

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121420\
 Data File : VX019978.D
 Acq On : 14 Dec 2020 11:59
 Operator : JC/MD
 Sample : VX1214WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 5:33:45 PM

Quant Time: Dec 15 00:35:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	274543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	434735	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	397003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	166663	46.19	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.38%
35) Dibromofluoromethane	5.46	113	137038	48.77	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.54%
50) Toluene-d8	8.69	98	526255	49.06	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.12%
62) 4-Bromofluorobenzene	11.12	95	196153	48.05	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	43393	17.264	ug/l 99
3) Chloromethane	1.31	50	50750	17.168	ug/l 97
4) Vinyl Chloride	1.39	62	56057	17.985	ug/l 99
5) Bromomethane	1.62	94	32987	31.873	ug/l 100
6) Chloroethane	1.71	64	37235	19.886	ug/l 100
7) Trichlorofluoromethane	1.92	101	80818	18.618	ug/l 99
8) Diethyl Ether	2.17	74	34202	18.593	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	47806	19.214	ug/l 98
10) Methyl Iodide	2.49	142	57936	15.798	ug/l 99
11) Tert butyl alcohol	3.01	59	67655	89.525	ug/l 100
12) 1,1-Dichloroethene	2.35	96	45358	18.032	ug/l 97
13) Acrolein	2.27	56	28006	70.316	ug/l 98
14) Allyl chloride	2.70	41	78934	18.580	ug/l 98
15) Acrylonitrile	3.11	53	156766	96.104	ug/l 99
16) Acetone	2.42	43	129798	95.702	ug/l 100
17) Carbon Disulfide	2.55	76	113036	15.661	ug/l 100
18) Methyl Acetate	2.75	43	69270	20.871	ug/l 99
19) Methyl tert-butyl Ether	3.16	73	176861	19.307	ug/l 99
20) Methylene Chloride	2.83	84	61177	18.873	ug/l 98
21) trans-1,2-Dichloroethene	3.14	96	53801	18.346	ug/l 96
22) Diisopropyl ether	3.82	45	173217	20.166	ug/l 97
23) Vinyl Acetate	3.78	43	709622	96.972	ug/l 100
24) 1,1-Dichloroethane	3.67	63	101825	19.659	ug/l 99
25) 2-Butanone	4.62	43	199246	95.605	ug/l 99
26) 2,2-Dichloropropane	4.54	77	83957	18.822	ug/l 99
27) cis-1,2-Dichloroethene	4.56	96	63950	18.634	ug/l 99
28) Bromochloromethane	4.97	49	46321	18.760	ug/l 96
29) Tetrahydrofuran	5.08	42	126595	94.282	ug/l 98
30) Chloroform	5.17	83	105541	19.817	ug/l 97
31) Cyclohexane	5.54	56	82324	18.341	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	87396	19.055	ug/l 99
36) 1,1-Dichloropropene	5.76	75	74428	18.946	ug/l 99
37) Ethyl Acetate	4.79	43	76716	19.342	ug/l 99
38) Carbon Tetrachloride	5.75	117	73728	19.165	ug/l 98

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Manual Integrations
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Quant Time: Dec 15 00:35:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	86051	18.644	ug/l	97
40) Benzene	6.10	78	234508	19.542	ug/l	98
41) Methacrylonitrile	4.99	41	42260	19.406	ug/l	99
42) 1,2-Dichloroethane	6.15	62	82303	20.074	ug/l	100
43) Isopropyl Acetate	6.40	43	121537	18.847	ug/l	99
44) Trichloroethene	7.18	130	59182	18.797	ug/l	99
45) 1,2-Dichloropropane	7.48	63	59617	19.878	ug/l	100
46) Dibromomethane	7.63	93	39808	19.655	ug/l	99
47) Bromodichloromethane	7.87	83	79207	19.708	ug/l	99
48) Methyl methacrylate	7.74	41	60223	18.989	ug/l	98
49) 1,4-Dioxane	7.71	88	27699	360.535	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	388173	98.595	ug/l	99
52) Toluene	8.76	92	146736	19.551	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	83976	18.829	ug/l	98
54) cis-1,3-Dichloropropene	8.41	75	93519	19.301	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	61119	20.208	ug/l	98
56) Ethyl methacrylate	9.16	69	86690	18.944	ug/l	100
57) 1,3-Dichloropropane	9.35	76	102278	19.804	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	238536	98.397	ug/l	99
59) 2-Hexanone	9.47	43	292446	95.830	ug/l	99
60) Dibromochloromethane	9.56	129	59280	19.291	ug/l	98
61) 1,2-Dibromoethane	9.65	107	62308	19.400	ug/l	99
64) Tetrachloroethene	9.32	164	55283	20.765	ug/l	95
65) Chlorobenzene	10.12	112	154020	19.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	56495	19.845	ug/l	99
67) Ethyl Benzene	10.23	91	273234	19.462	ug/l	100
68) m/p-Xylenes	10.34	106	206817	39.094	ug/l	99
69) o-Xylene	10.68	106	96316	18.926	ug/l	98
70) Styrene	10.69	104	165972	19.322	ug/l	99
71) Bromoform	10.84	173	41932	18.724	ug/l #	99
73) Isopropylbenzene	11.00	105	266345	19.726	ug/l	98
74) N-amyl acetate	10.88	43	100152	18.510	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	94481	19.848	ug/l	99
76) 1,2,3-Trichloropropane	11.27	75	87948m	19.842	ug/l	
77) Bromobenzene	11.24	156	65444	18.940	ug/l	98
78) n-propylbenzene	11.34	91	305788	19.829	ug/l	99
79) 2-Chlorotoluene	11.40	91	188750	19.875	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	224218	19.676	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	27298	17.803	ug/l	94
82) 4-Chlorotoluene	11.49	91	216414	19.458	ug/l	99
83) tert-Butylbenzene	11.76	119	218344	19.537	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	229837	20.023	ug/l	99
85) sec-Butylbenzene	11.93	105	258729	20.277	ug/l	99
86) p-Isopropyltoluene	12.05	119	233160	19.938	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	120043	18.929	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	123915	19.184	ug/l	99
89) n-Butylbenzene	12.37	91	201158	19.416	ug/l	99
90) Hexachloroethane	12.58	117	38045	18.844	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	122572	19.827	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	18837	18.407	ug/l	97

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ClientSampleId :
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Manual Integrations
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Quant Time: Dec 15 00:35:56 2020
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Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	77271	19.201	ug/l	100
94) Hexachlorobutadiene	13.76	225	37165	20.663	ug/l	98
95) Naphthalene	13.82	128	244036	18.705	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	77041	19.589	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

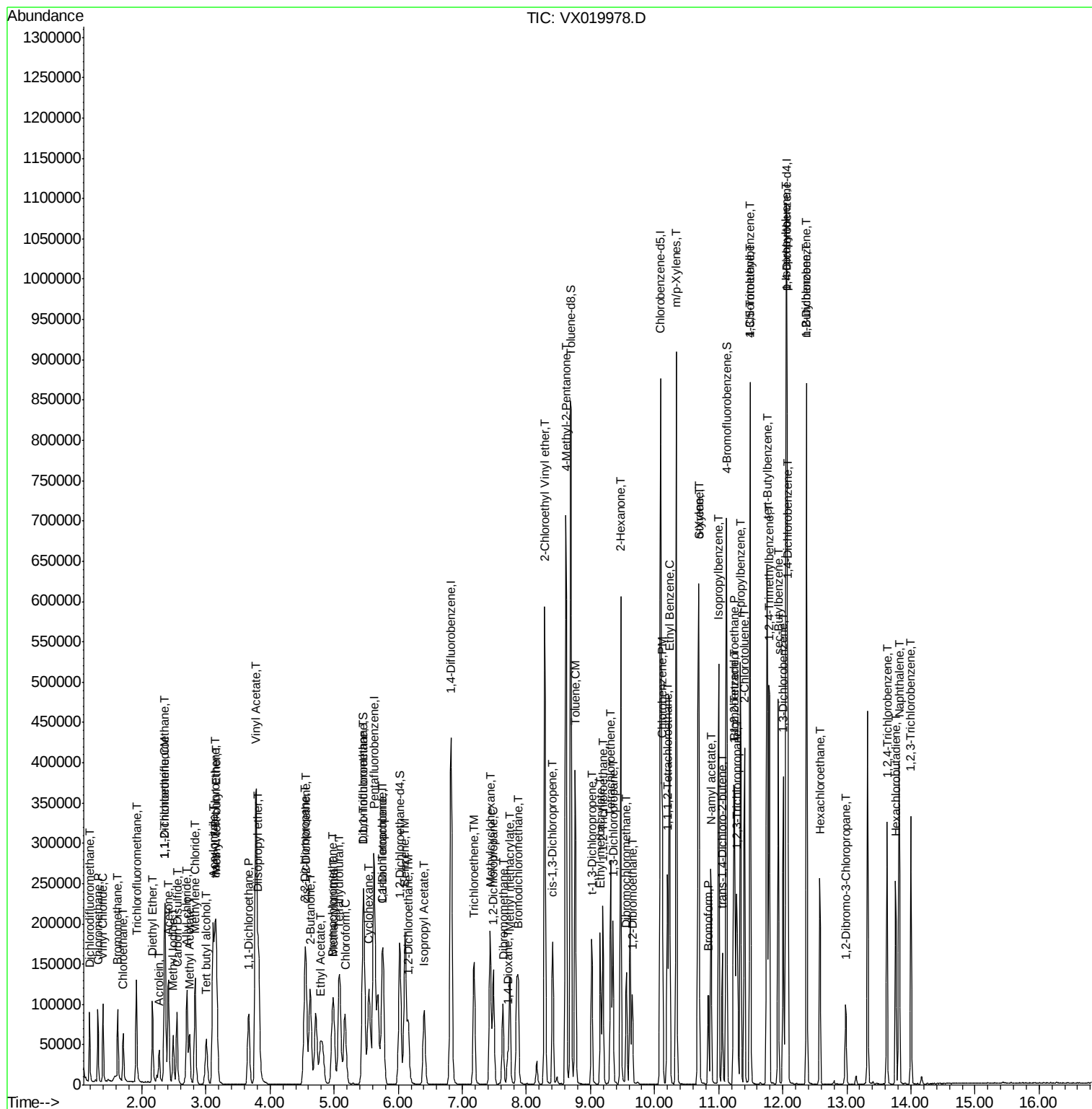
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 Data File : VX019978.D
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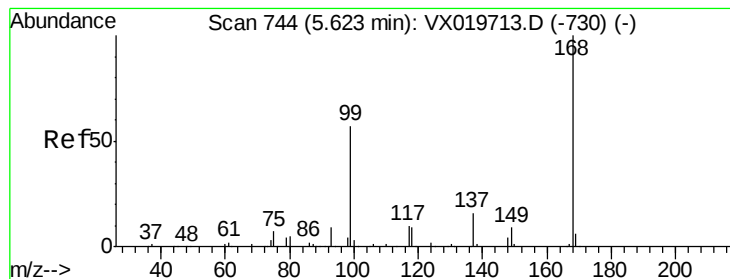
Instrument :
 MSVOA_X
 Client Sampled :
 VX1214WBS01

Manual Integrations
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MMDadoda
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion:168 Resp: 274543

Ion Ratio Lower Upper

168 100

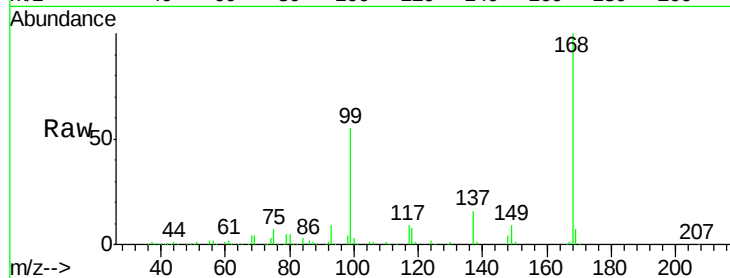
99 54.8 45.8 68.6

Manual Integrations

APPROVED

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12/15/2020 5:33:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

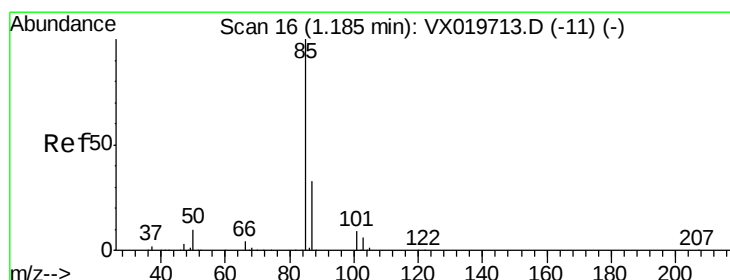
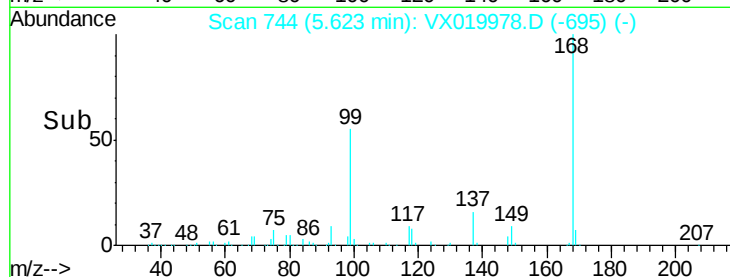
0

5.50

5.60

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.264 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019978.D

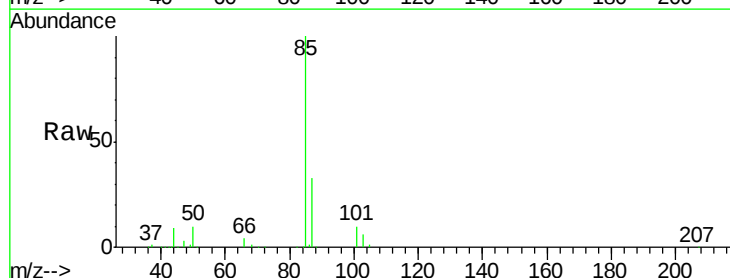
Acq: 14 Dec 2020 11:59

Tgt Ion: 85 Resp: 43393

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

20000

10000

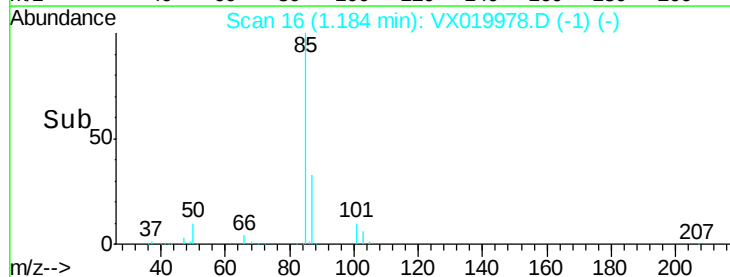
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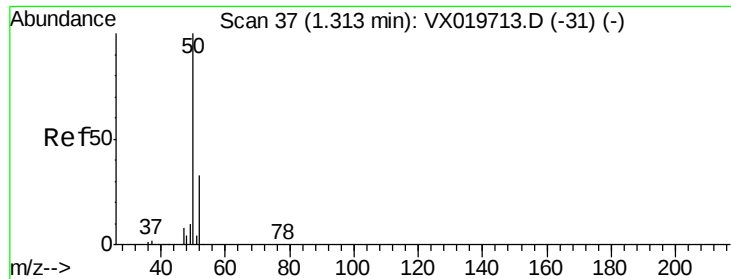
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 17.168 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 50 Resp: 50750

Ion Ratio Lower Upper

50 100

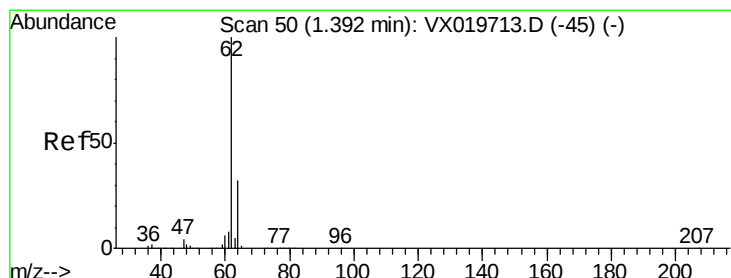
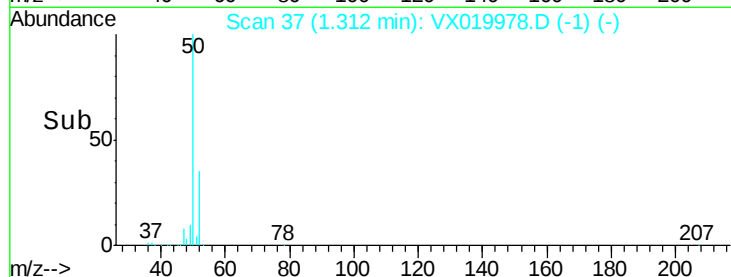
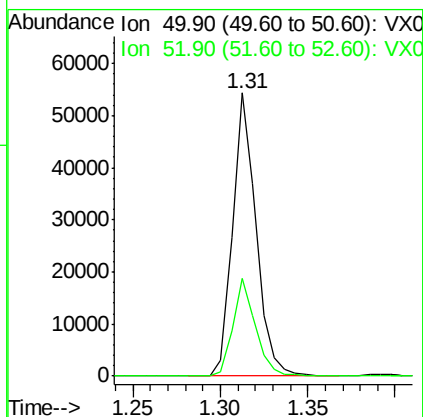
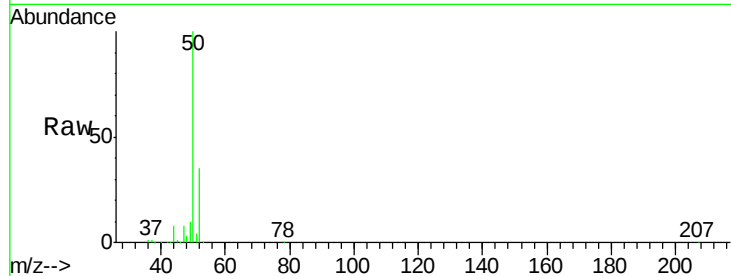
52 34.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.985 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019978.D

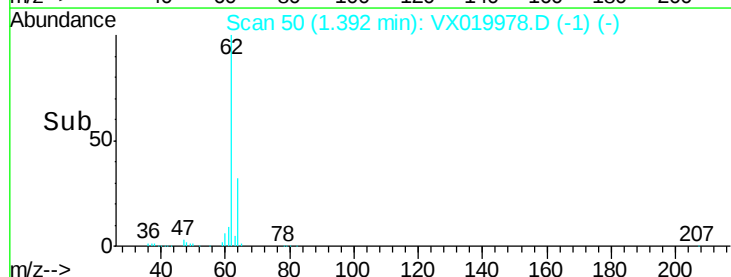
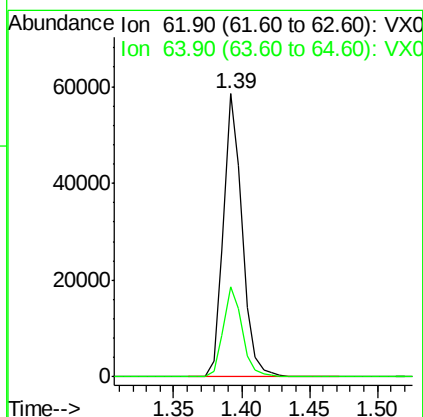
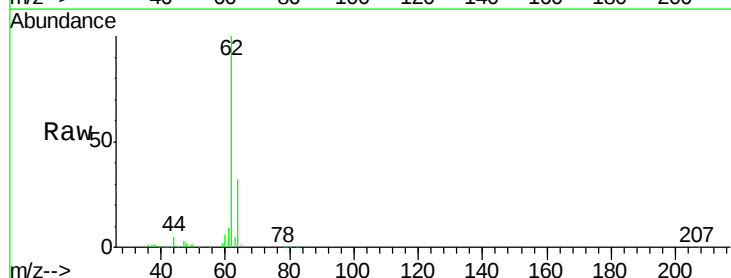
Acq: 14 Dec 2020 11:59

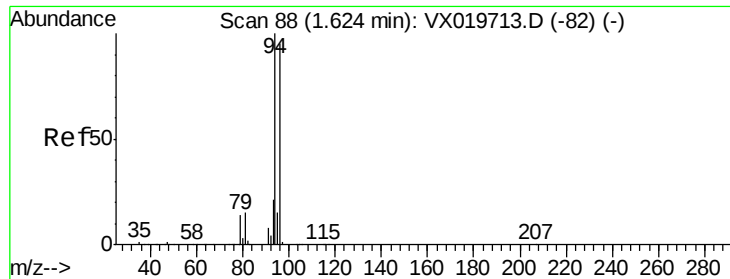
Tgt Ion: 62 Resp: 56057

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 31.873 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 94 Resp: 32987

Ion Ratio Lower Upper

94 100

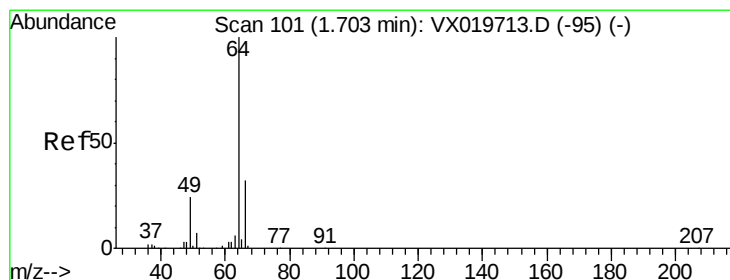
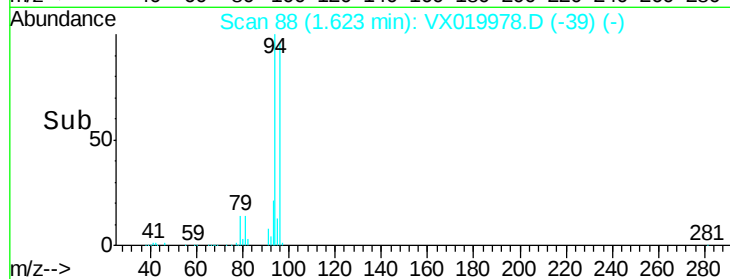
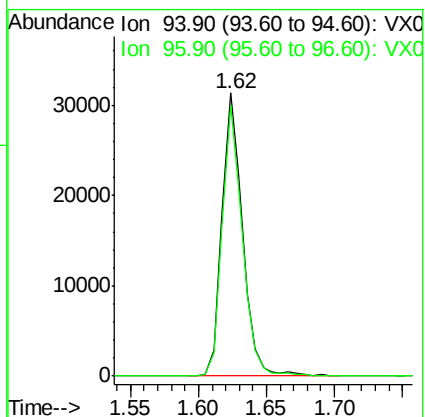
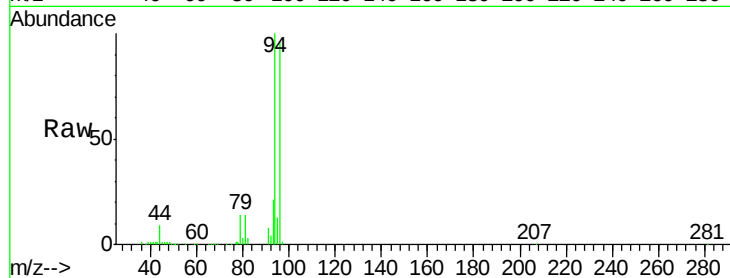
96 95.6 76.4 114.6

Manual Integrations

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#6

Chloroethane

Concen: 19.886 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX019978.D

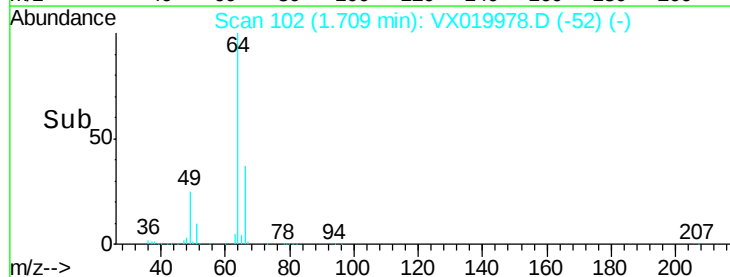
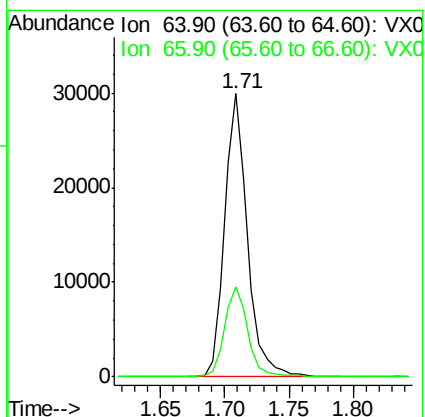
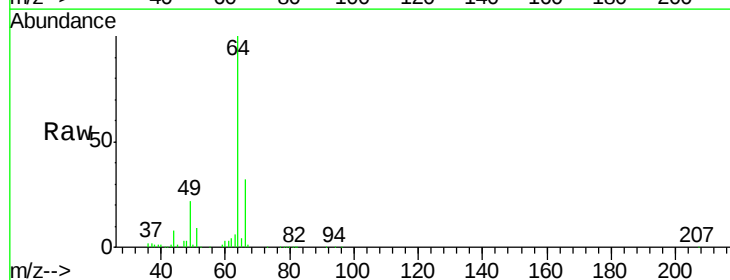
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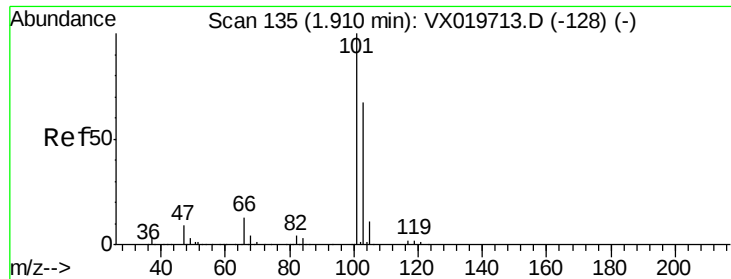
Tgt Ion: 64 Resp: 37235

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.0





#7

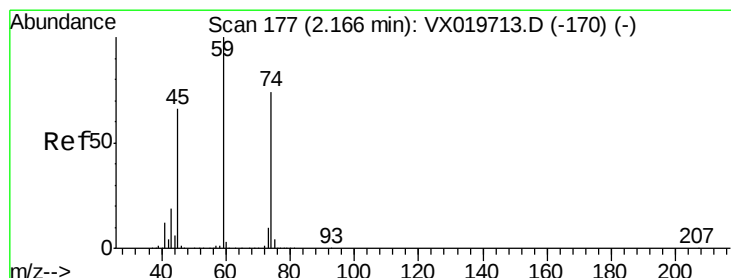
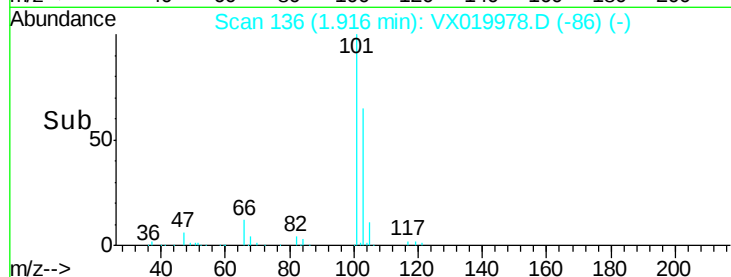
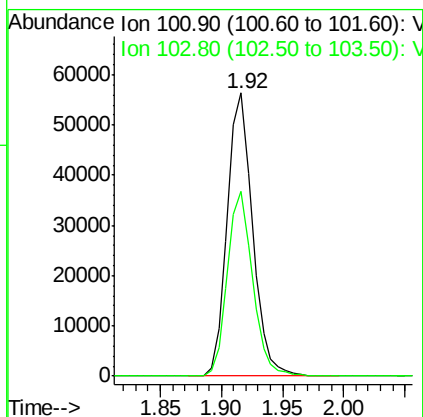
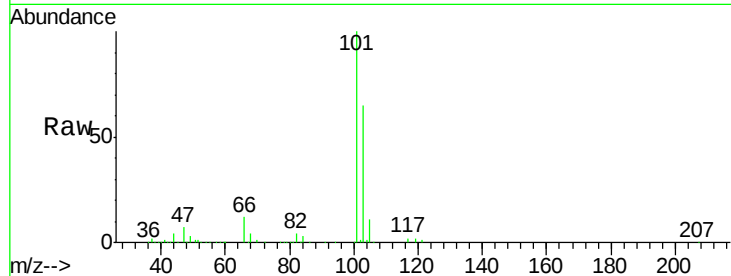
Trichlorofluoromethane
Concen: 18.618 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.2	79.8

Manual Integrations
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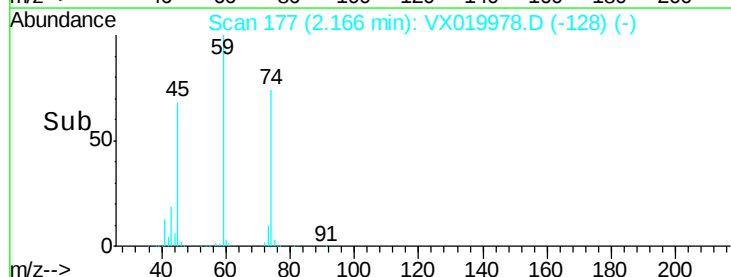
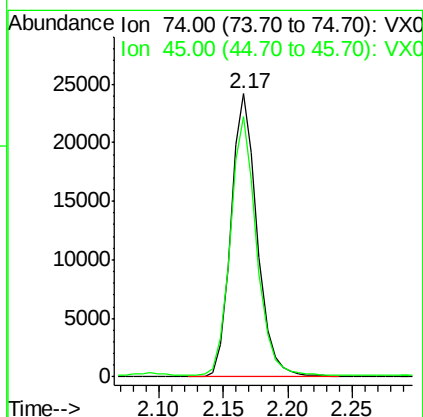
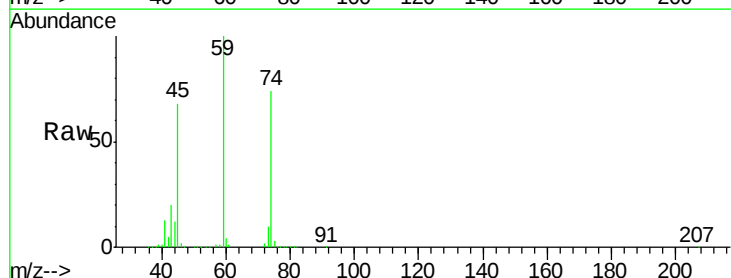
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12/15/2020 5:33:45 PM

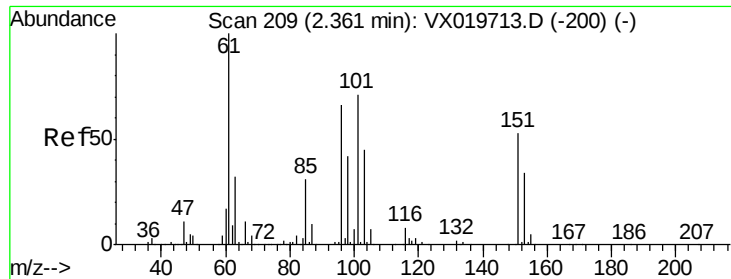


#8

Diethyl Ether
Concen: 18.593 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.214 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

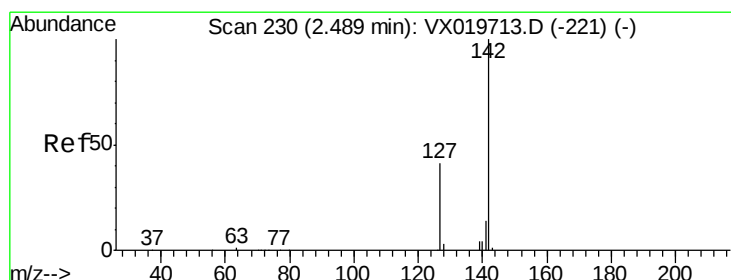
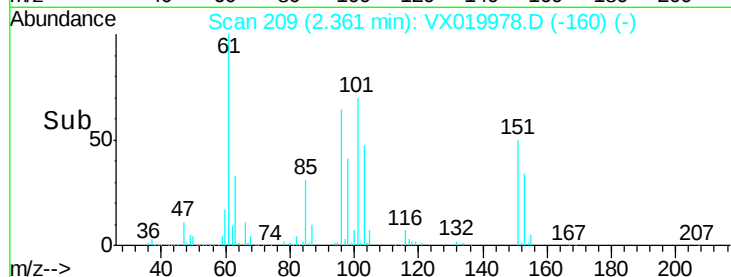
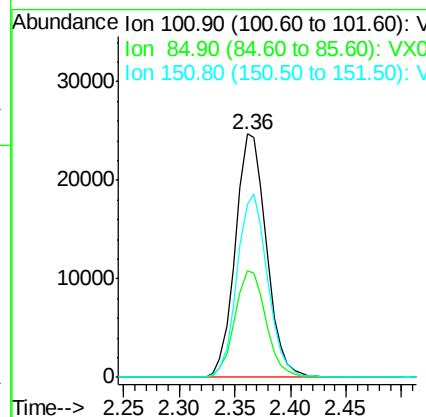
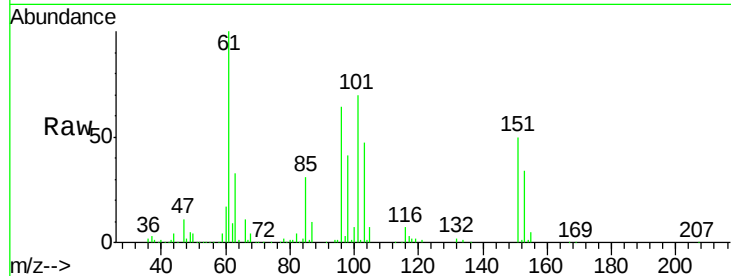
ClientSampleId :

VX1214WBS01

Tot Ion:	101	Resp:	47806
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.9	52.3
151	74.1	61.4	92.2

Manual Integrations
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MMDadoda
12/15/2020 5:33:45 PM



#10

Methyl Iodide

Concen: 15.798 ug/l

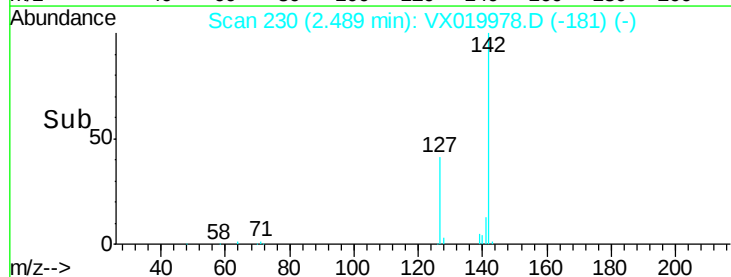
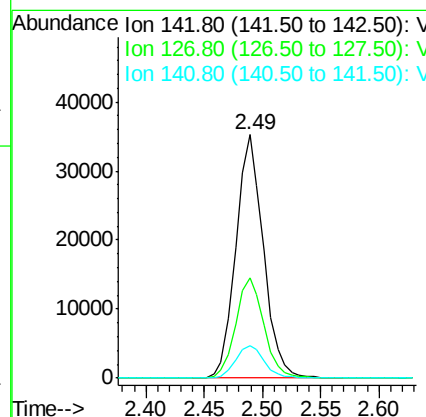
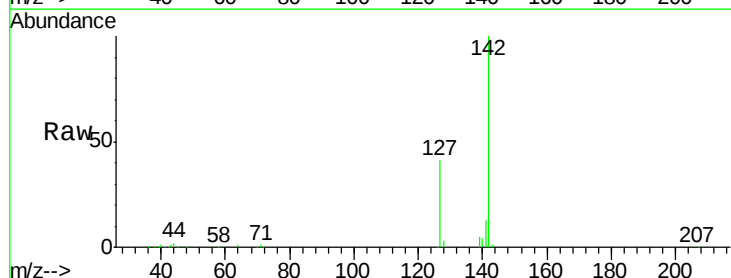
RT: 2.49 min Scan# 230

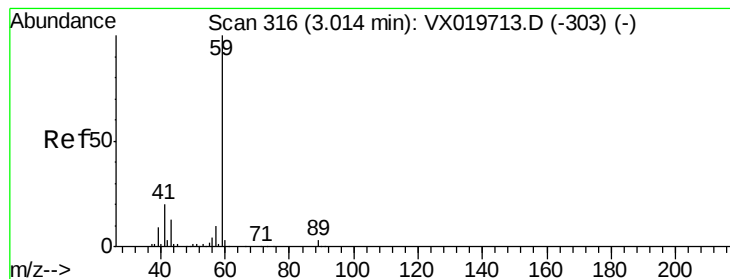
Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Tgt Ion:	142	Resp:	57936
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.3	49.9
141	13.7	11.4	17.0





#11

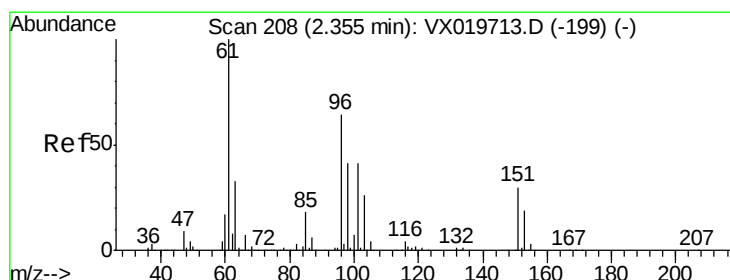
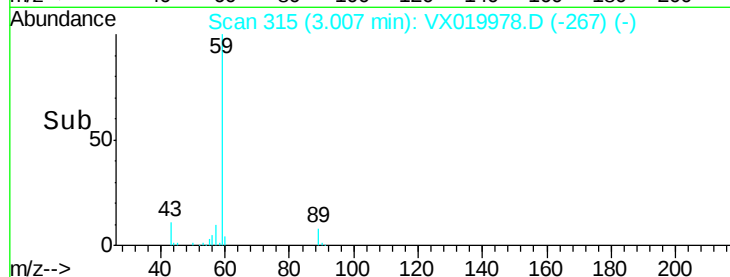
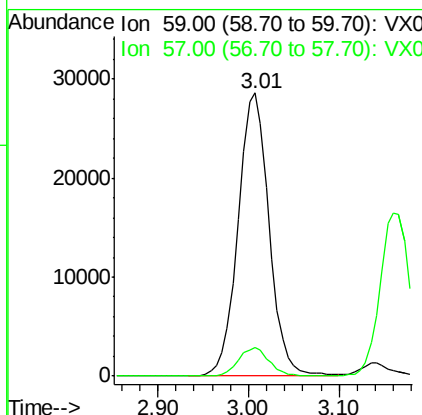
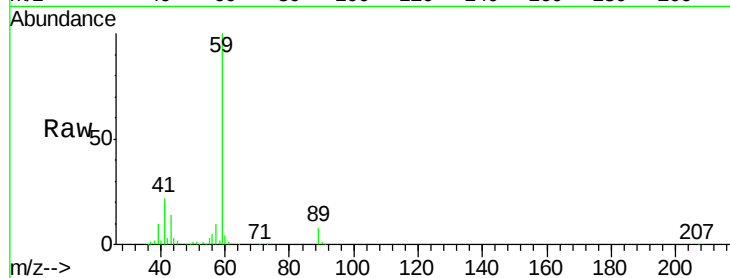
Tert butyl alcohol
 Concen: 89.525 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	67655		
57	57	9.8		7.8	11.8

Manual Integrations
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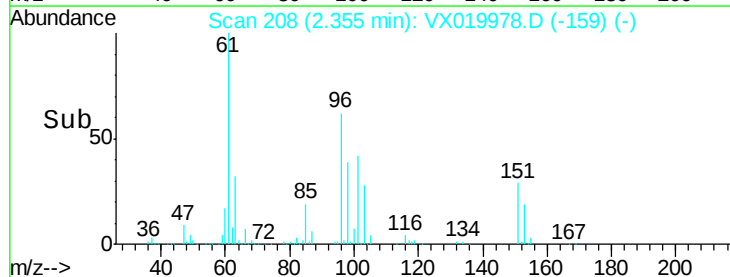
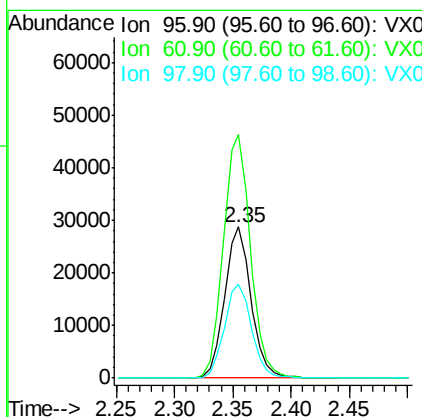
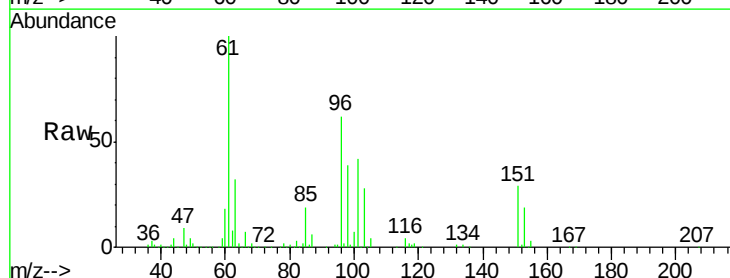
MMDadoda
 12/15/2020 5:33:45 PM

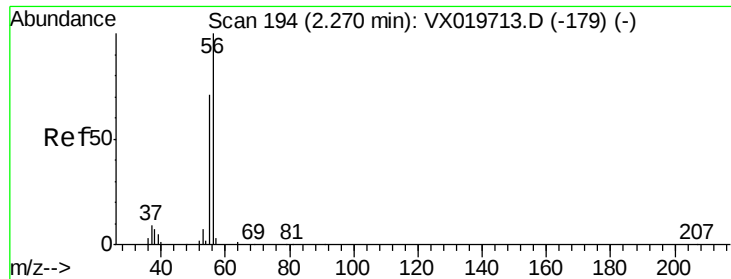


#12

1,1-Dichloroethene
 Concen: 18.032 ug/l
 RT: 2.35 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	45358		
61	61	160.7		124.6	187.0
98	98	62.2		50.6	76.0





#13

Acrolein

Concen: 70.316 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 56 Resp: 28006

Ion Ratio Lower Upper

56 100

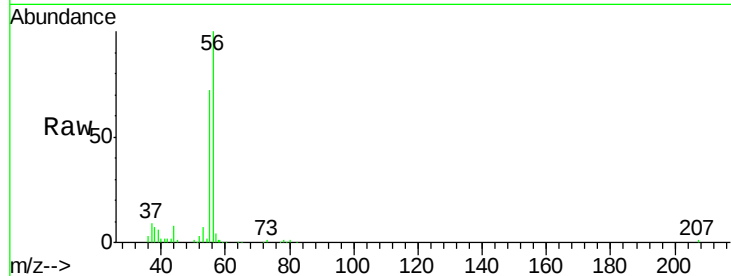
55 72.3 56.4 84.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

20000

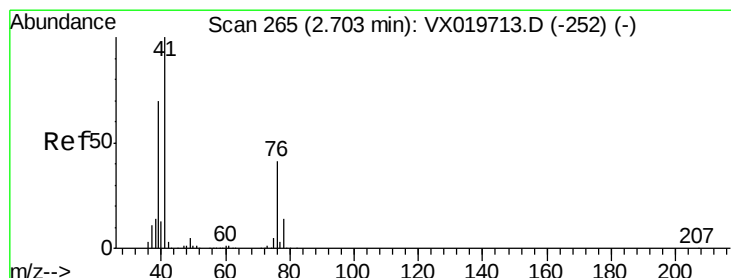
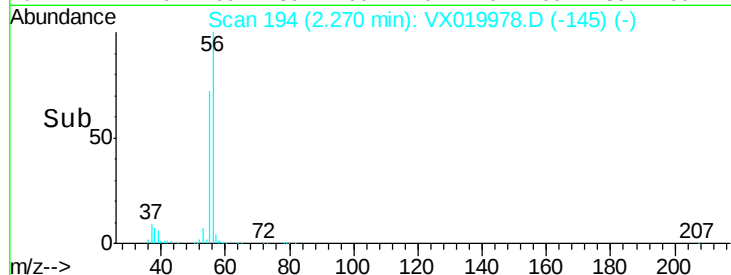
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 18.580 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

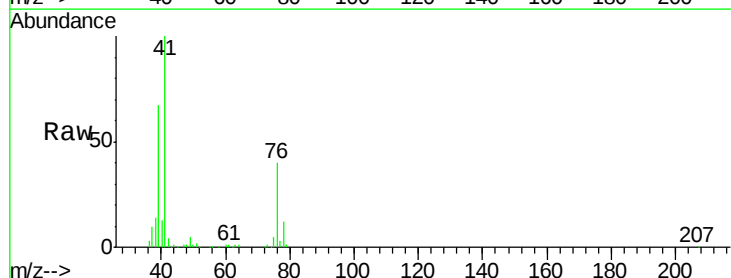
Tgt Ion: 41 Resp: 78934

Ion Ratio Lower Upper

41 100

39 62.9 51.6 77.4

76 36.9 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.70

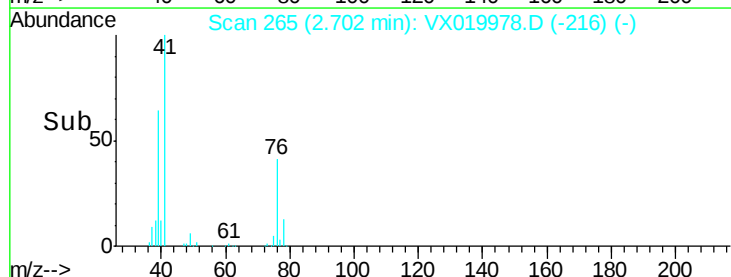
60000

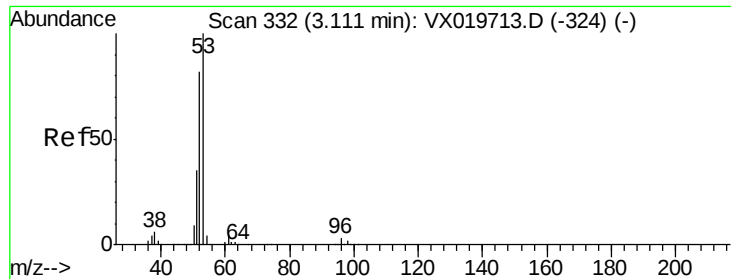
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 96.104 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

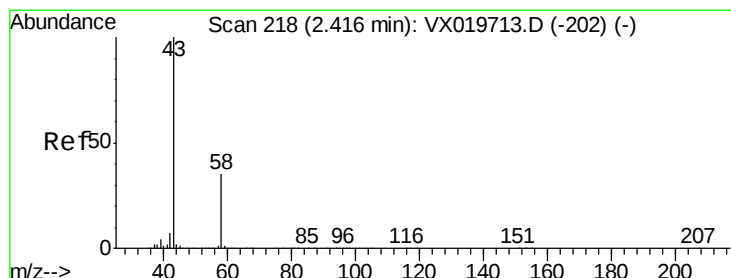
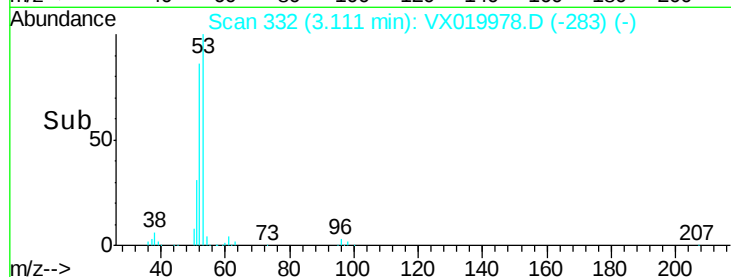
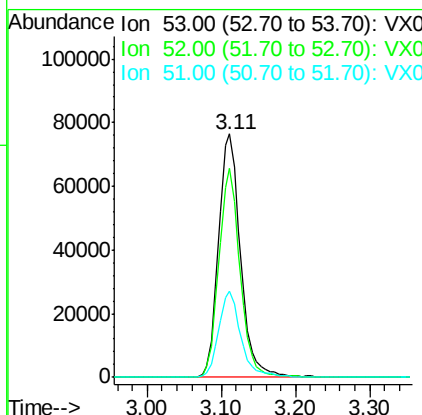
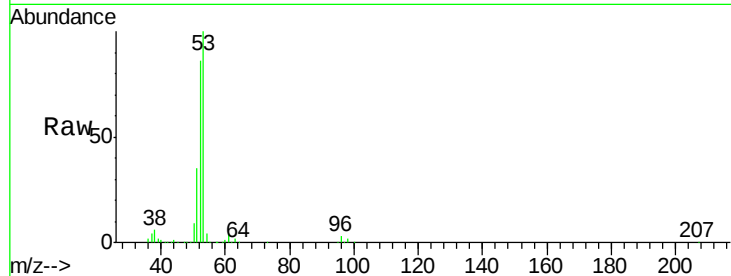
ClientSampleId :

VX1214WBS01

Tot Ion:	53	Resp:	156766
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.3	97.9
51	35.5	28.2	42.2

Manual Integrations
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MMDadoda
12/15/2020 5:33:45 PM



#16

Acetone

Concen: 95.702 ug/l

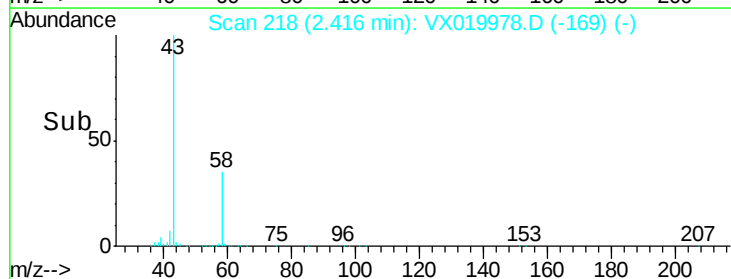
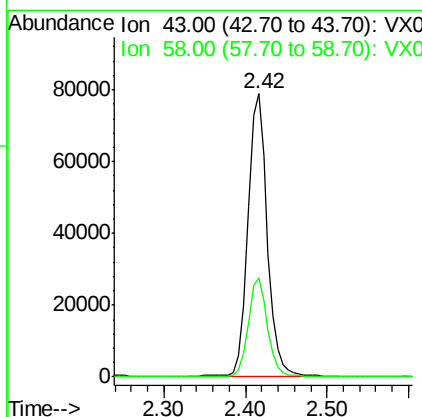
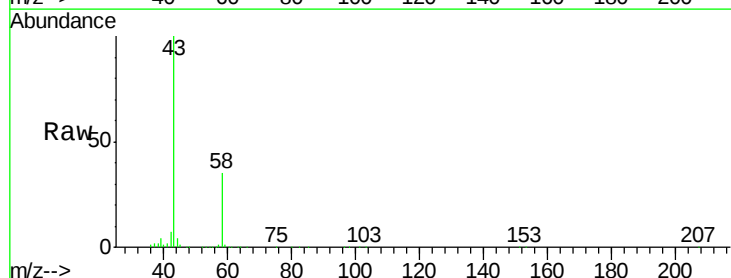
RT: 2.42 min Scan# 218

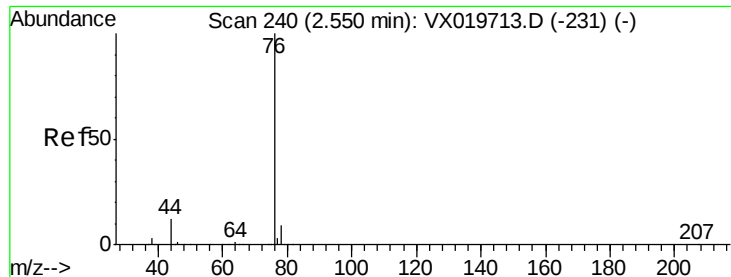
Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Tgt Ion:	43	Resp:	129798
Ion Ratio	Lower	Upper	
43	100		
58	34.9	27.8	41.8





#17

Carbon Disulfide

Concen: 15.661 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 76 Resp: 113036

Ion Ratio Lower Upper

76 100

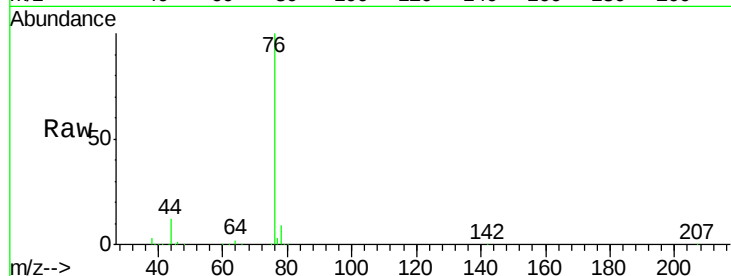
78 9.2 7.2 10.8

Manual Integrations

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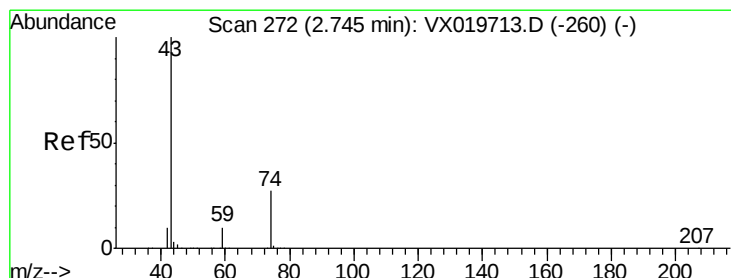
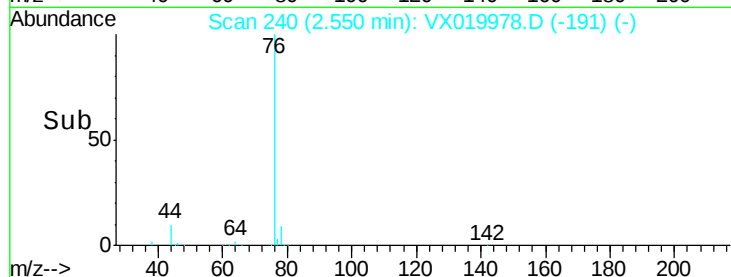
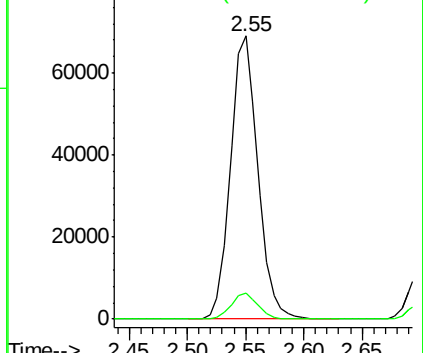
MMDadoda

12/15/2020 5:33:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.871 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019978.D

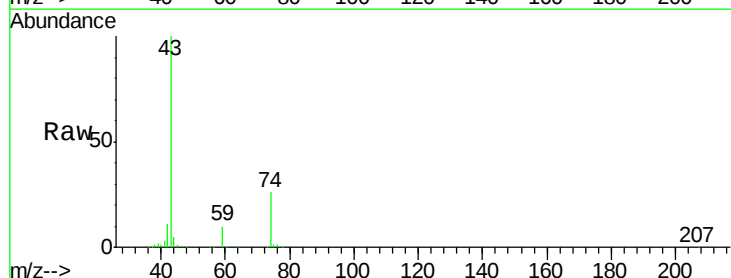
Acq: 14 Dec 2020 11:59

Tgt Ion: 43 Resp: 69270

Ion Ratio Lower Upper

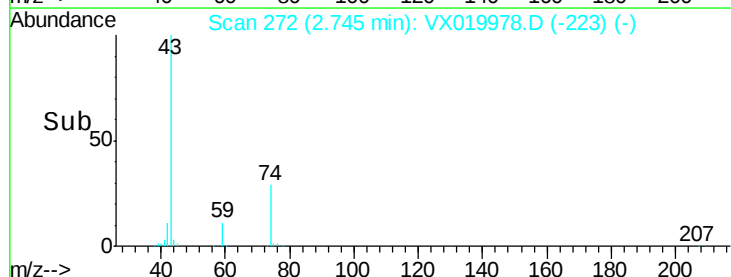
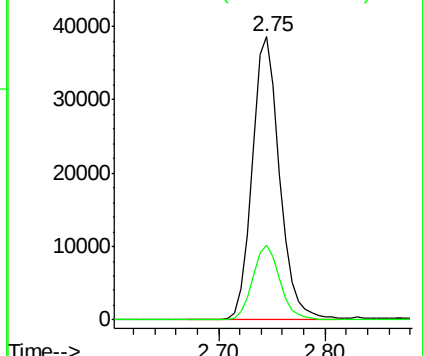
43 100

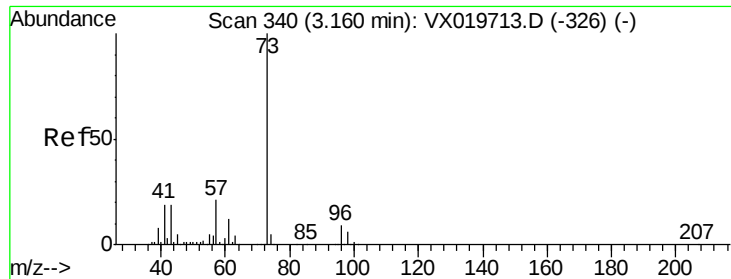
74 26.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





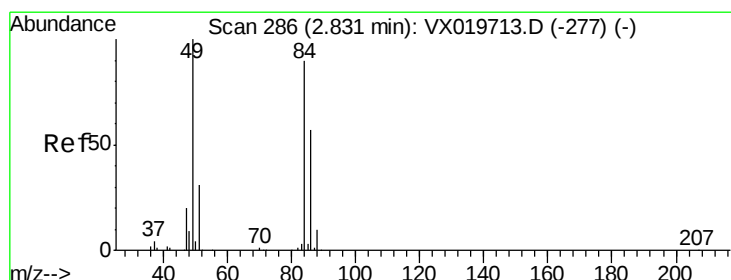
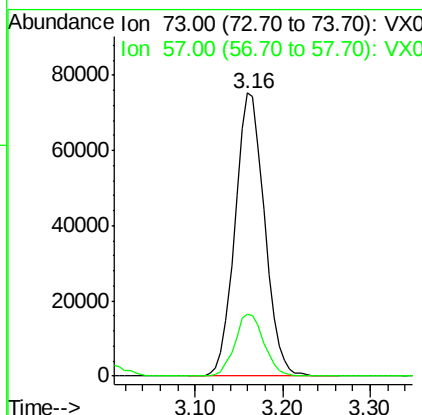
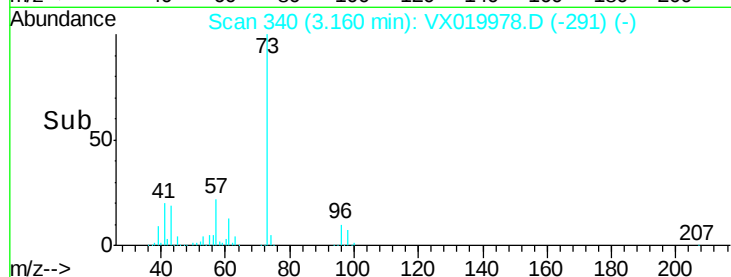
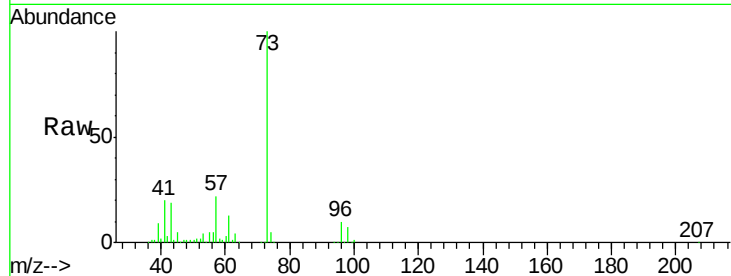
#19
Methvl tert-butvl Ether
Concen: 19.307 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.1	25.7

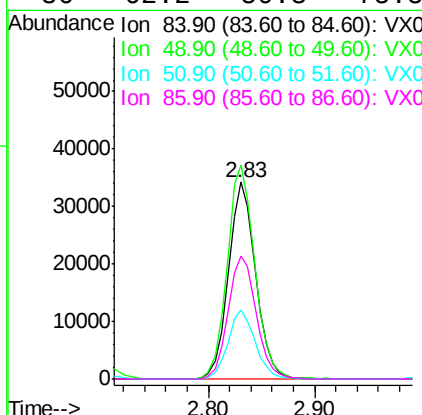
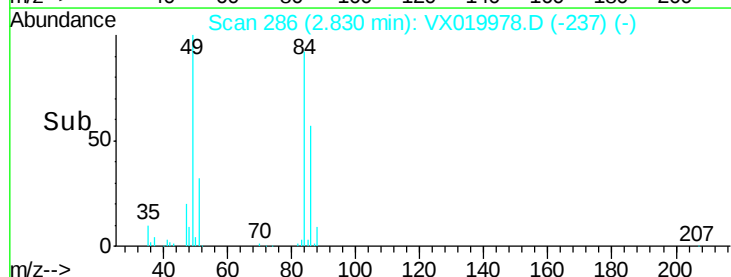
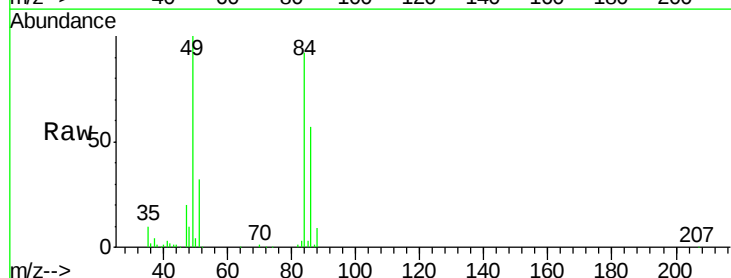
Manual Integrations
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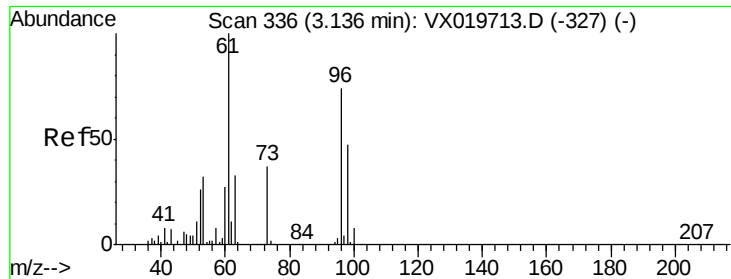
MMDadoda
12/15/2020 5:33:45 PM



#20
Methylene Chloride
Concen: 18.873 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.7	88.6	132.8
51	34.9	27.0	40.6
86	62.2	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 18.346 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

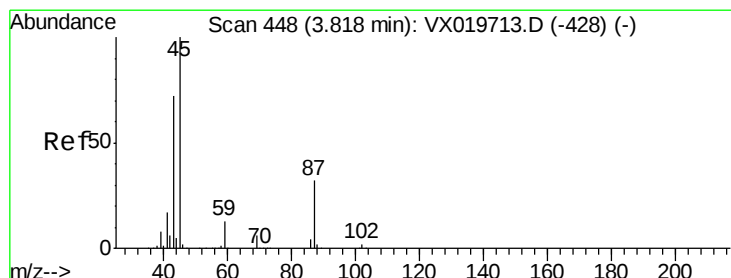
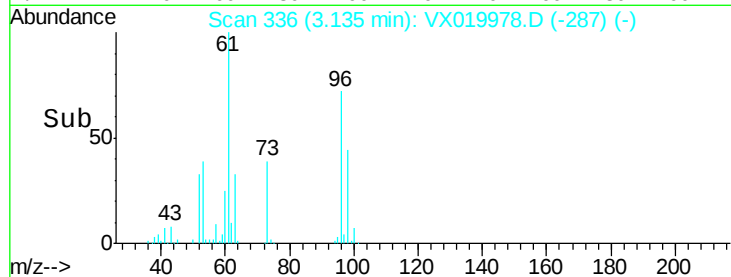
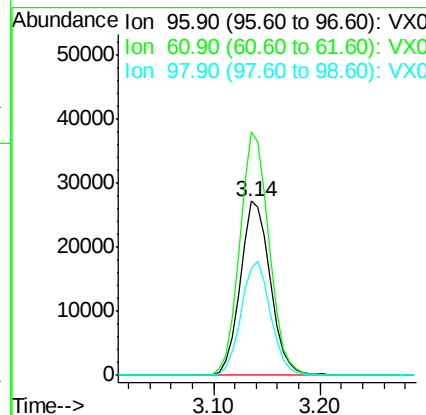
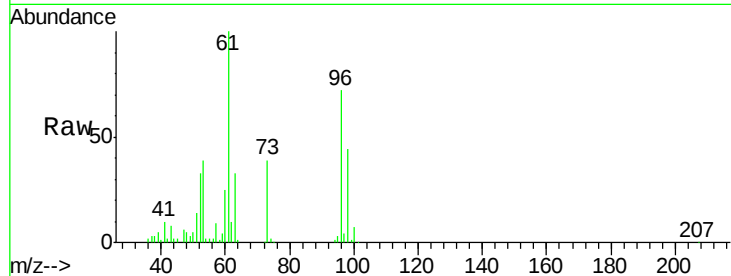
ClientSampleId :

VX1214WBS01

Tot Ion:	96	Resp:	53801
Ion	Ratio	Lower	Upper
96	100		
61	139.6	107.7	161.5
98	61.3	50.4	75.6

Manual Integrations
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MMDadoda
12/15/2020 5:33:45 PM



#22

Diisopropyl ether

Concen: 20.166 ug/l

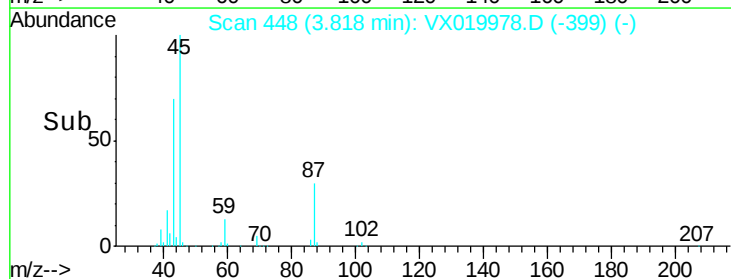
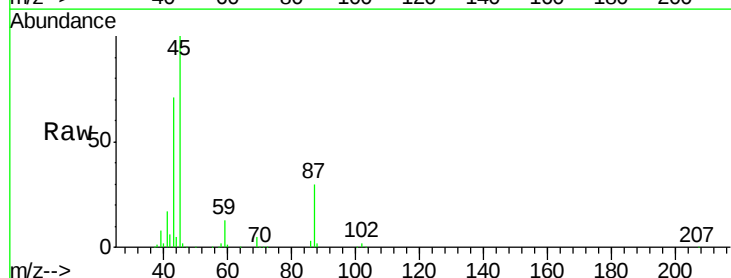
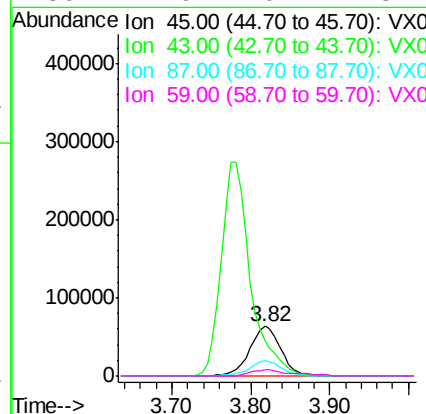
RT: 3.82 min Scan# 448

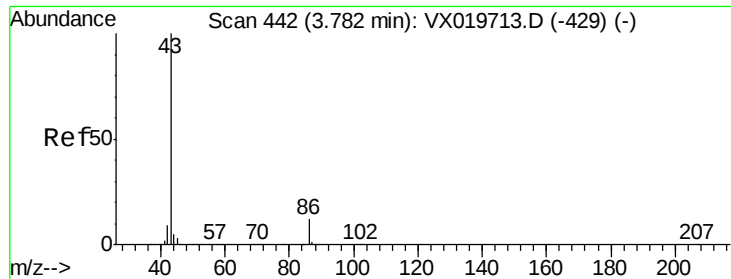
Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Tgt Ion:	45	Resp:	173217
Ion	Ratio	Lower	Upper
45	100		
43	70.0	58.0	87.0
87	30.2	25.4	38.0
59	12.9	10.2	15.2





#23

Vinyl Acetate

Concen: 96.972 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 43 Resp: 709622

Ion Ratio Lower Upper

43 100

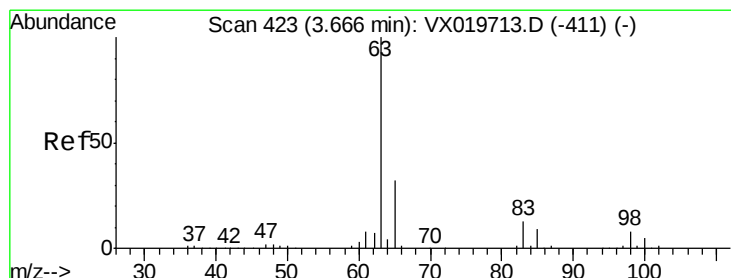
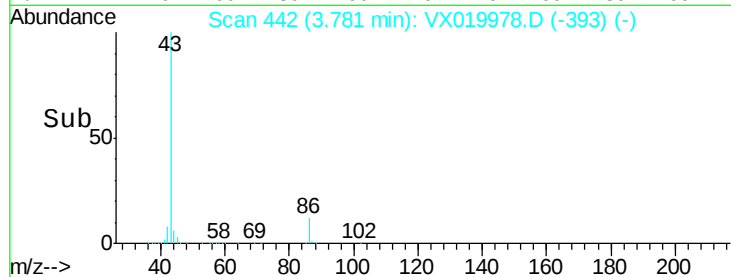
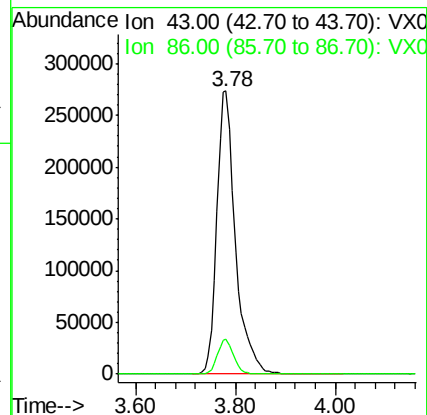
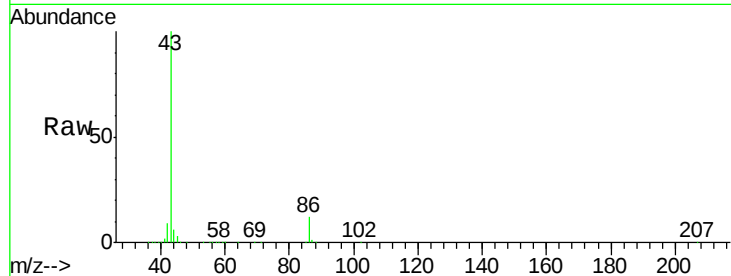
86 12.3 9.9 14.9

Manual Integrations

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MMDadoda

12/15/2020 5:33:45 PM



#24

1,1-Dichloroethane

Concen: 19.659 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

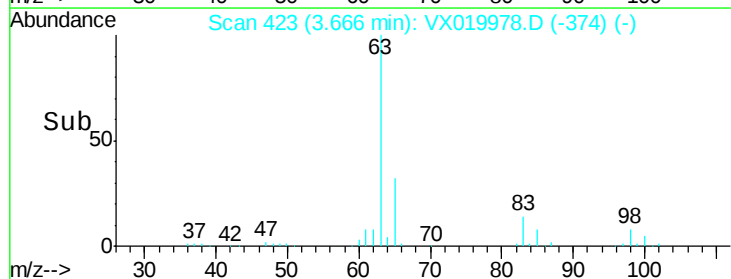
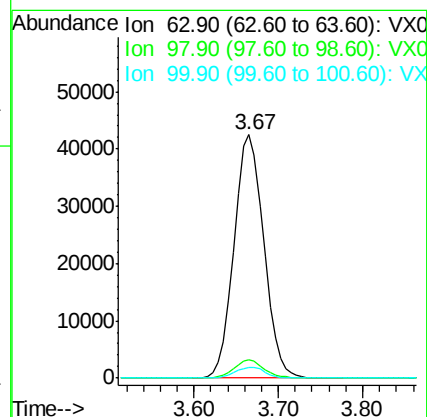
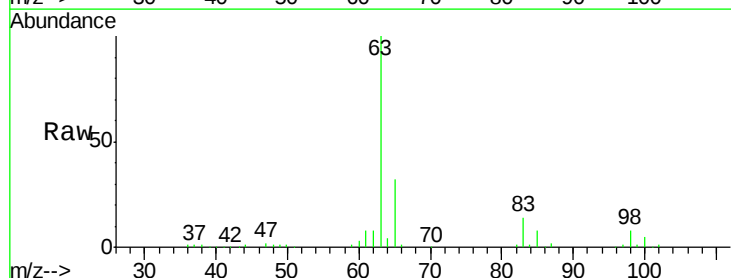
Tgt Ion: 63 Resp: 101825

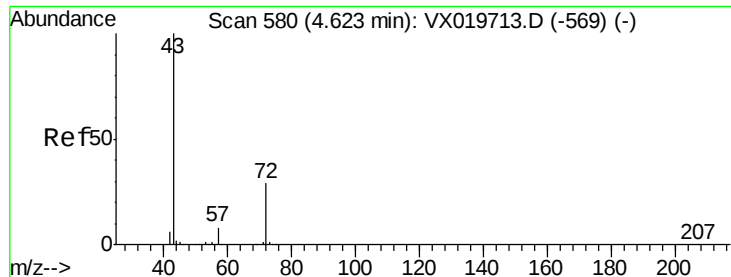
Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 95.605 ug/l

RT: 4.62 min Scan# 580

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 43 Resp: 199246

Ion Ratio Lower Upper

43 100

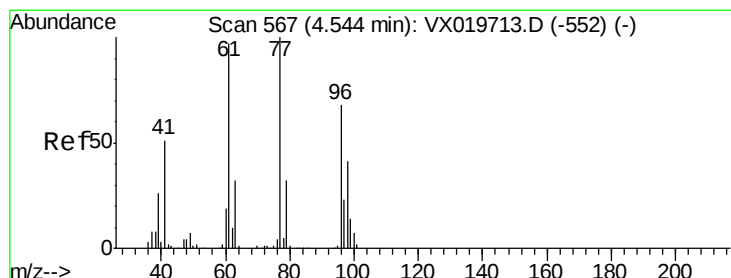
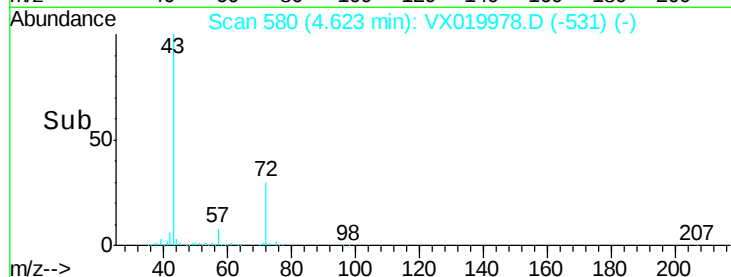
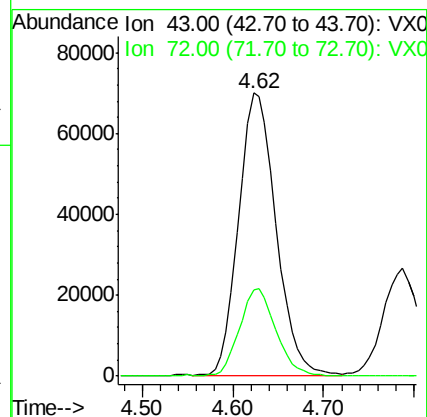
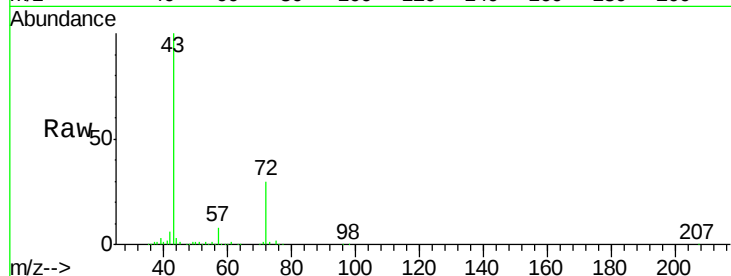
72 30.2 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.822 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.00 min

Lab File: VX019978.D

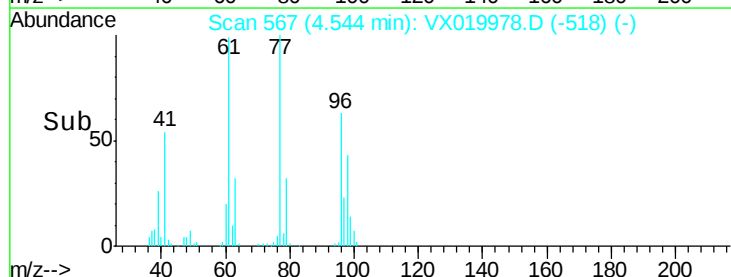
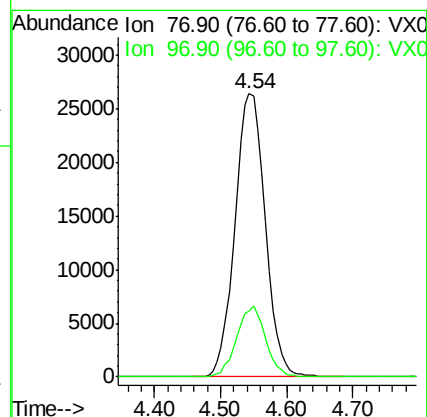
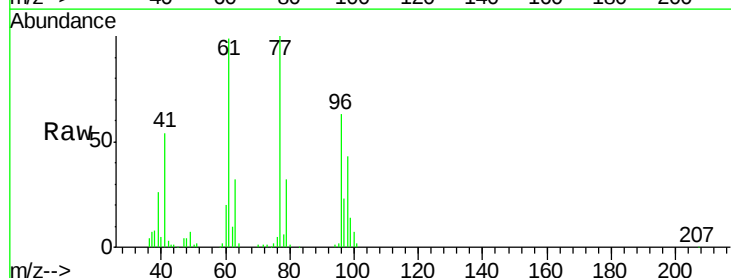
Acq: 14 Dec 2020 11:59

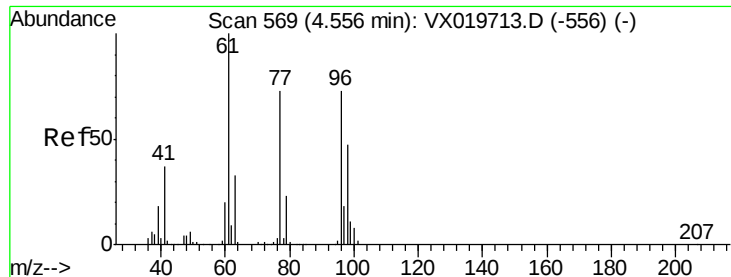
Tgt Ion: 77 Resp: 83957

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

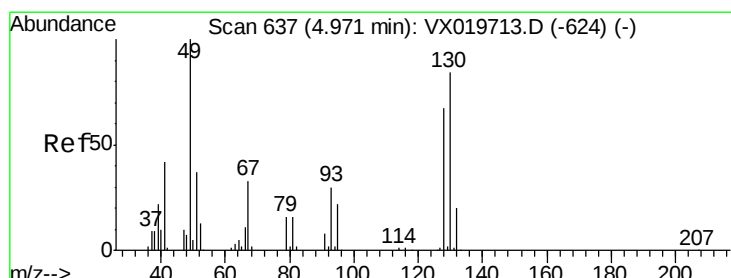
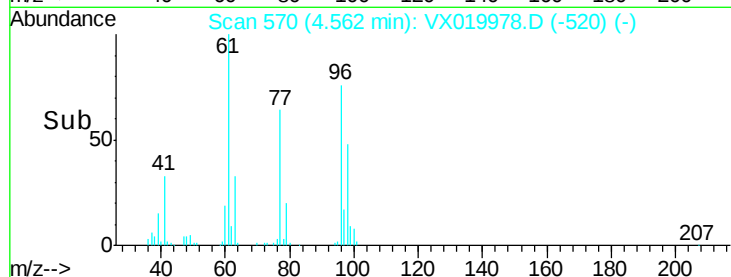
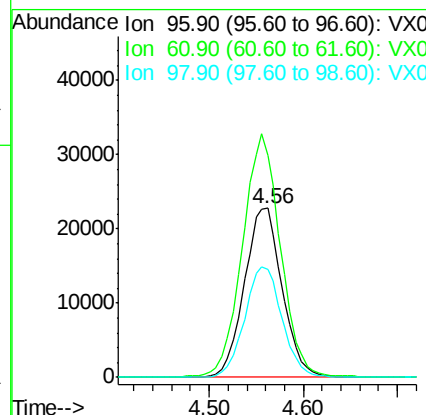
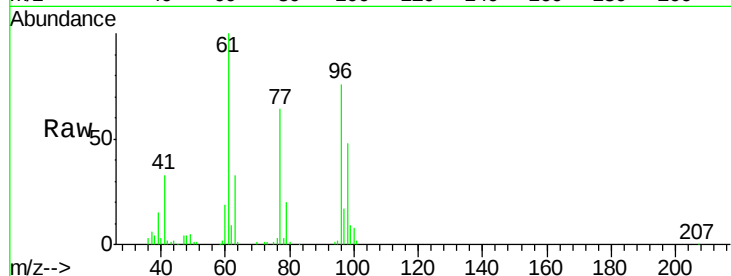
cis-1,2-Dichloroethene
Concen: 18.634 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	63950		
61	145.1	0.0	285.6	
98	64.7	0.0	129.6	

Manual Integrations
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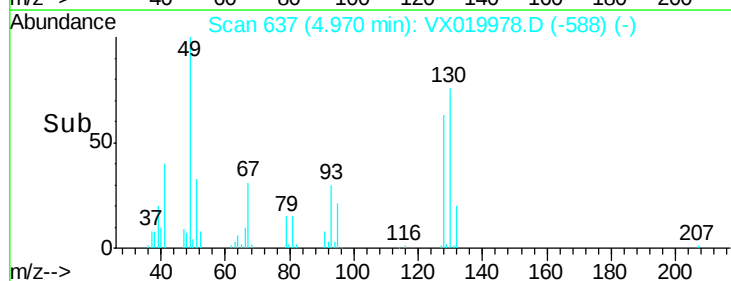
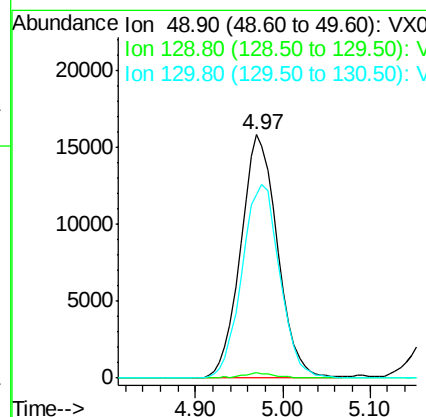
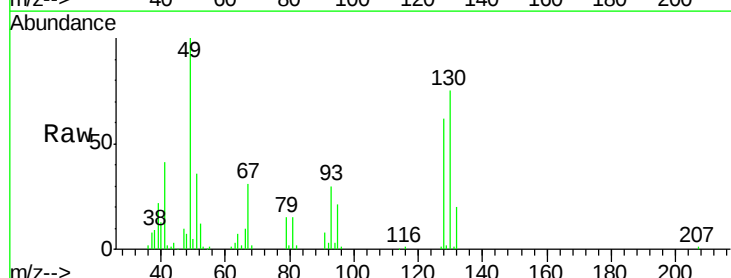
MMDadoda
12/15/2020 5:33:45 PM

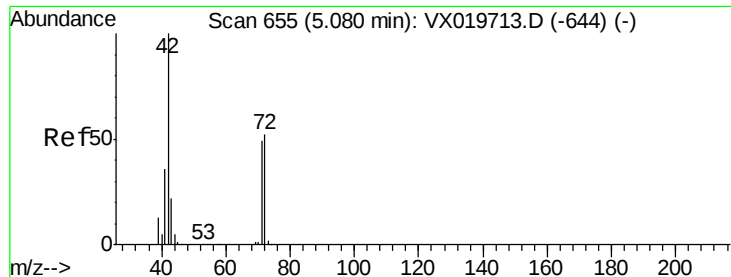


#28

Bromochloromethane
Concen: 18.760 ug/l
RT: 4.97 min Scan# 637
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46321		
129	1.9	0.0	4.0	
130	81.9	68.2	102.2	





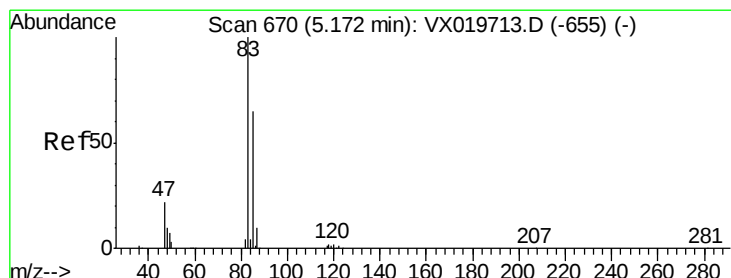
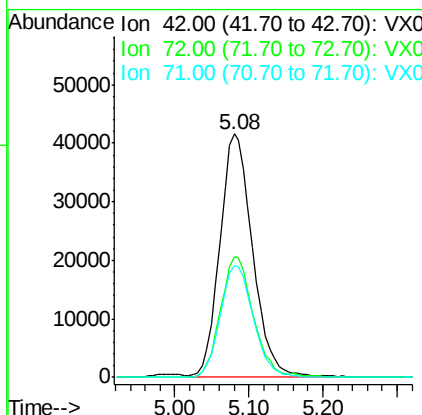
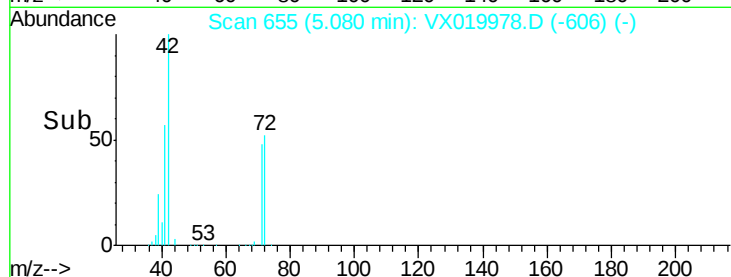
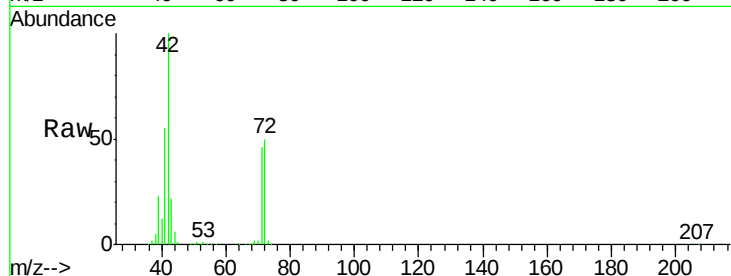
#29
Tetrahydrofuran
Concen: 94.282 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.4	41.7	62.5
71	46.6	38.4	57.6

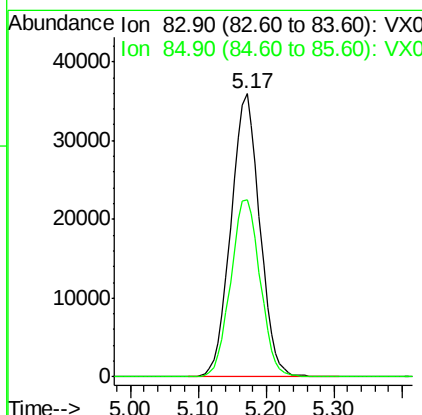
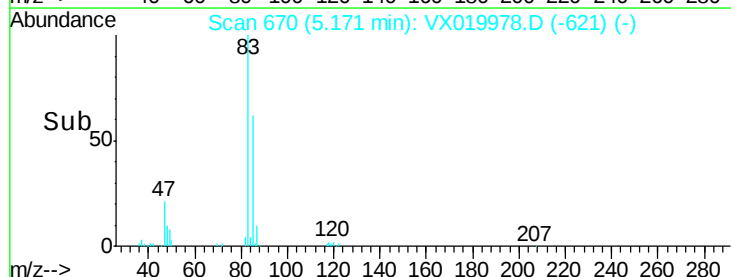
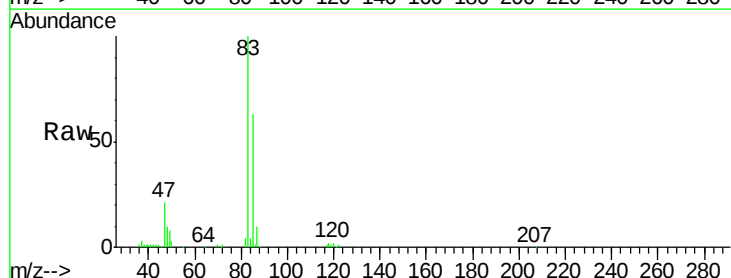
Manual Integrations
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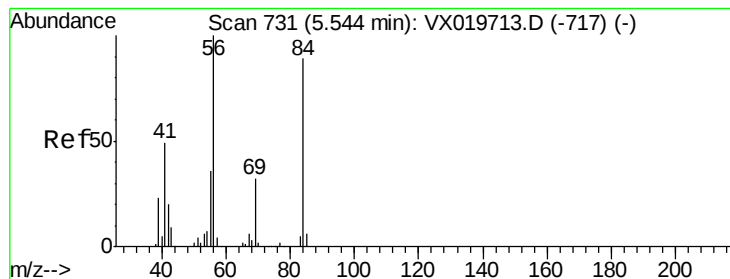
MMDadoda
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#30
Chloroform
Concen: 19.817 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.0	78.0





#31

Cyclohexane

Concen: 18.341 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

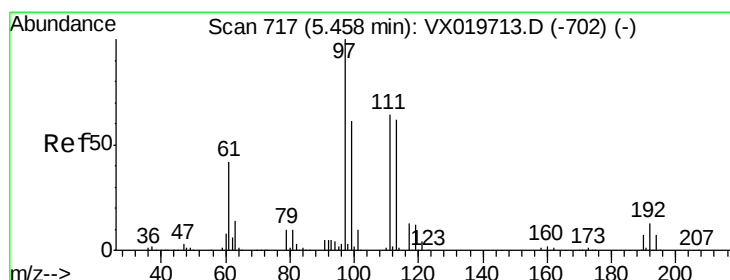
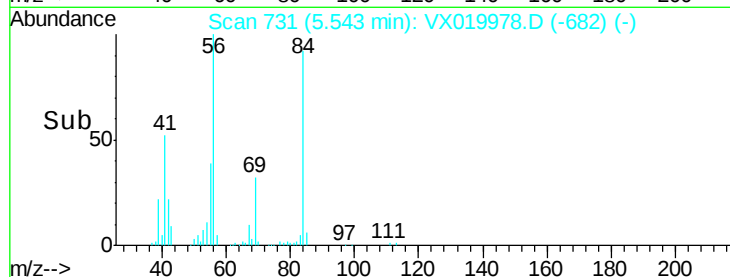
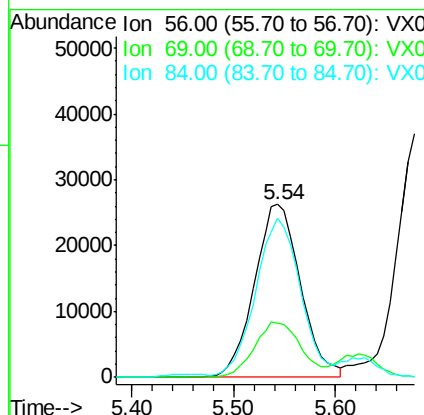
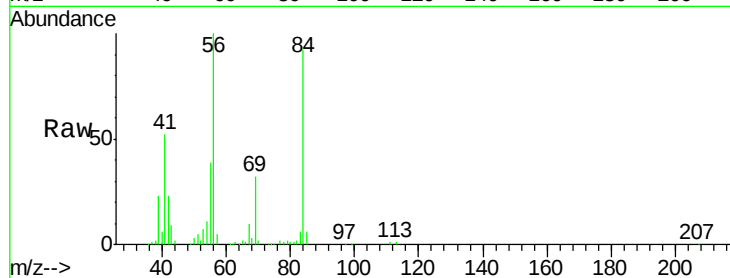
ClientSampleId :

VX1214WBS01

Tot Ion:	56	Resp:	82324
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.3	37.9
84	90.5	71.4	107.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.055 ug/l

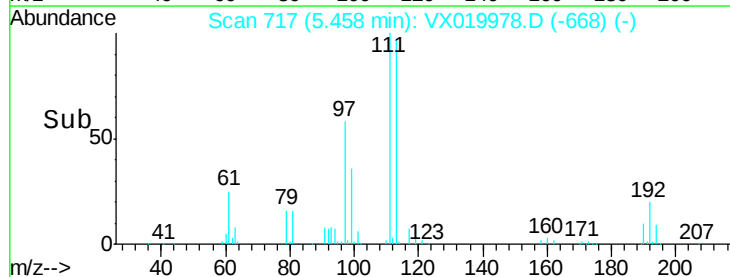
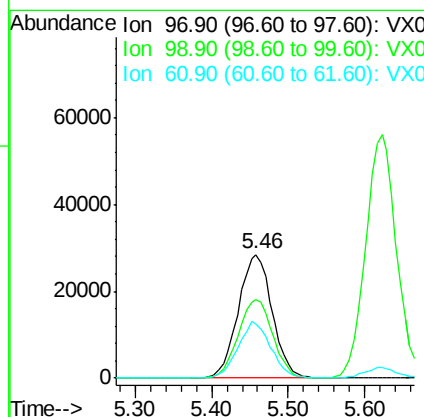
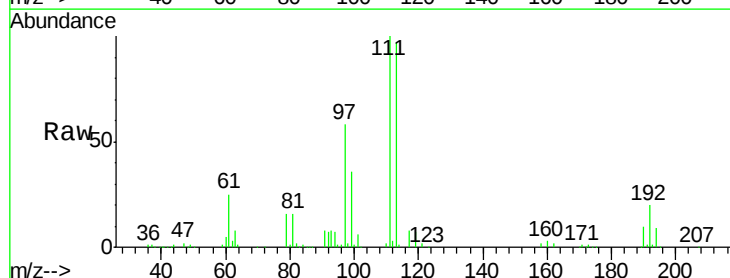
RT: 5.46 min Scan# 717

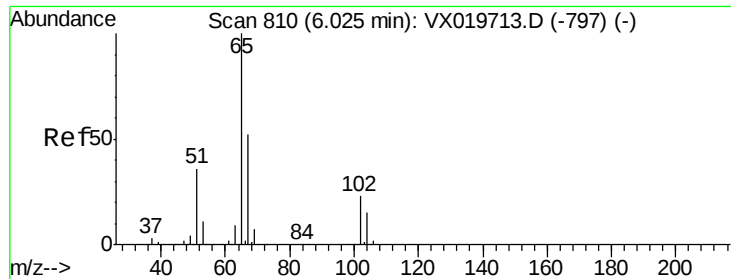
Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Tgt Ion:	97	Resp:	87396
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	44.0	34.2	51.4





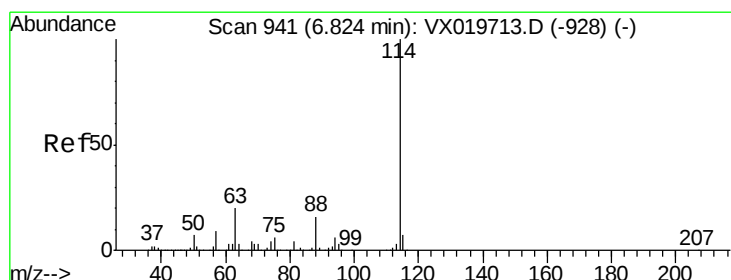
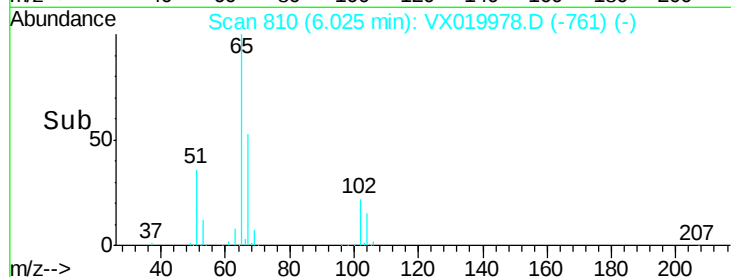
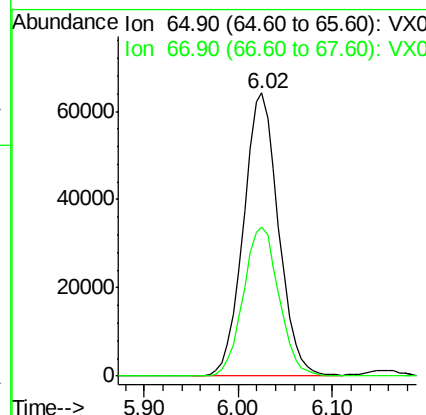
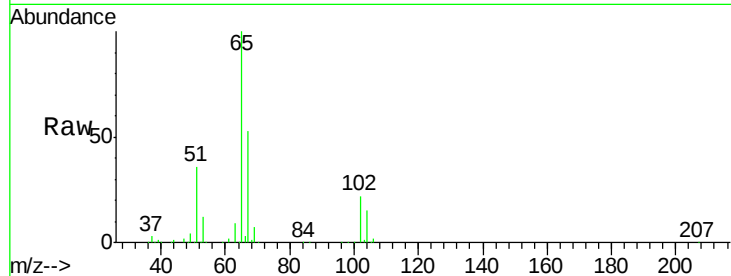
#33
 1,2-Dichloroethane-d4
 Concen: 46.189 ug/l
 RT: 6.02 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166663		
67	53.7	0.0	105.4	

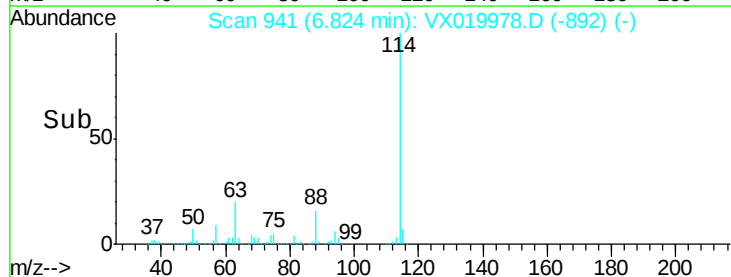
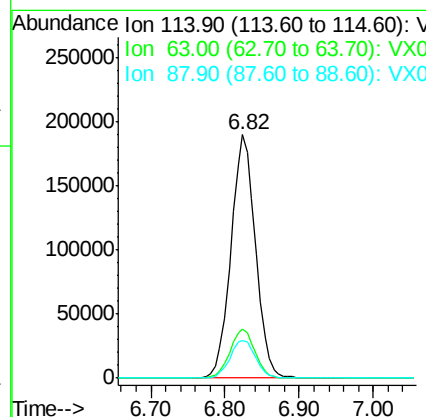
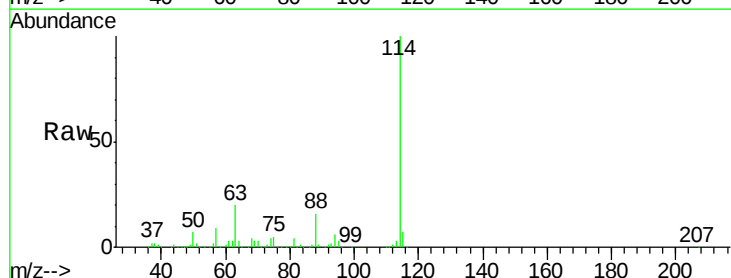
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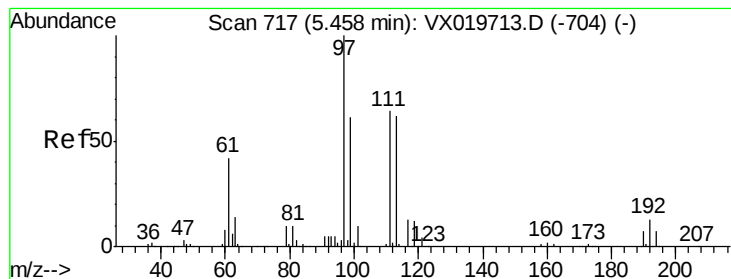
MMDadoda
 12/15/2020 5:33:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	434735		
63	20.4	0.0	40.8	
88	15.6	0.0	32.8	





#35

Dibromofluoromethane

Concen: 48.774 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

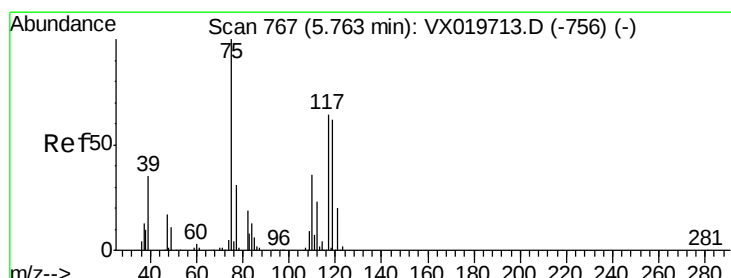
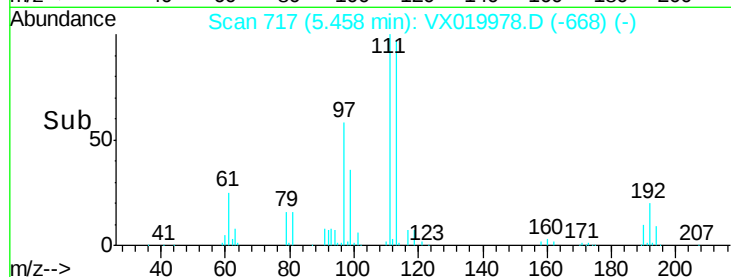
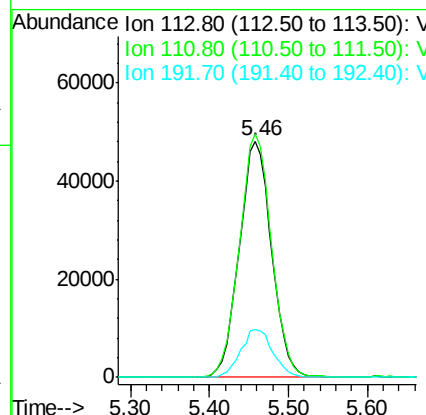
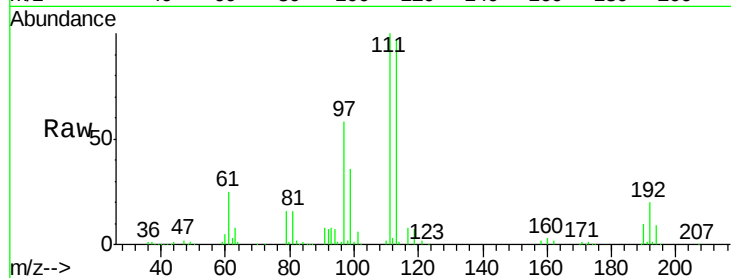
ClientSampleId :

VX1214WBS01

Tot Ion:	113	Resp:	137038
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.9	122.9
192	20.3	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 18.946 ug/l

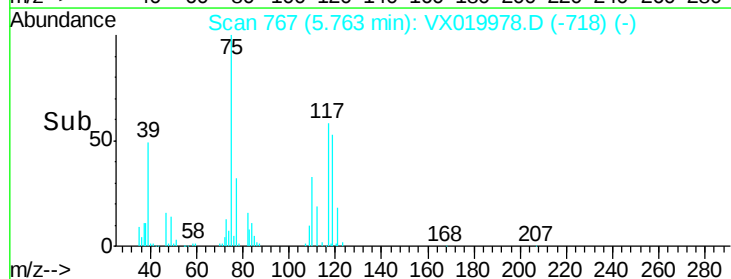
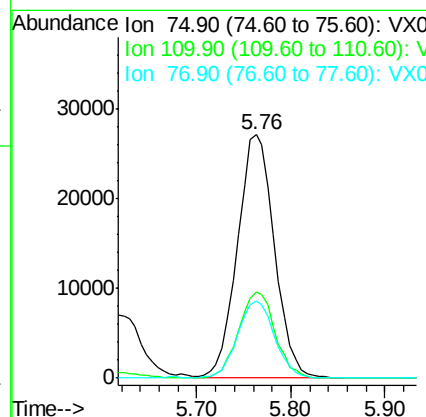
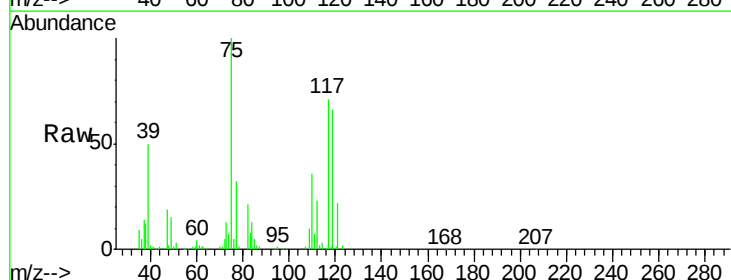
RT: 5.76 min Scan# 767

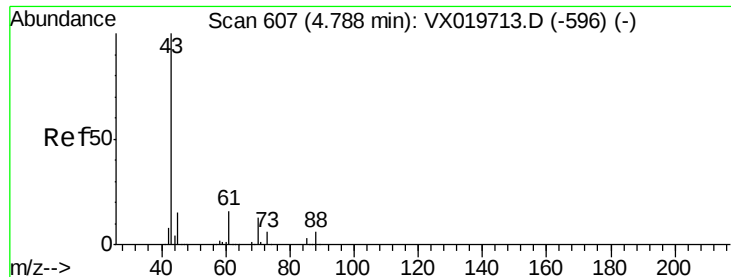
Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Tgt Ion:	75	Resp:	74428
Ion Ratio	Lower	Upper	
75	100		
110	35.0	18.1	54.4
77	31.7	25.3	37.9





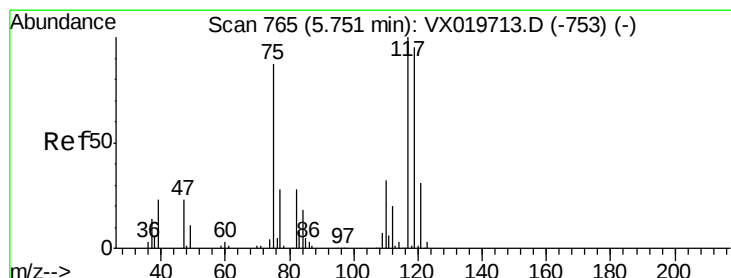
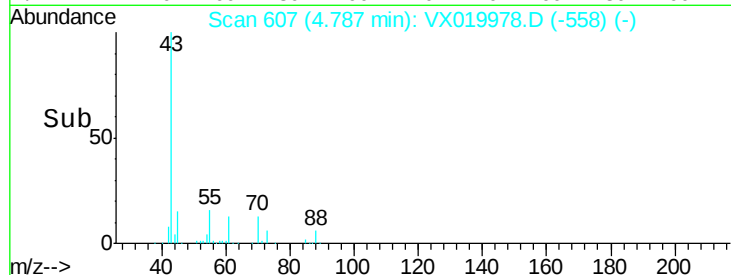
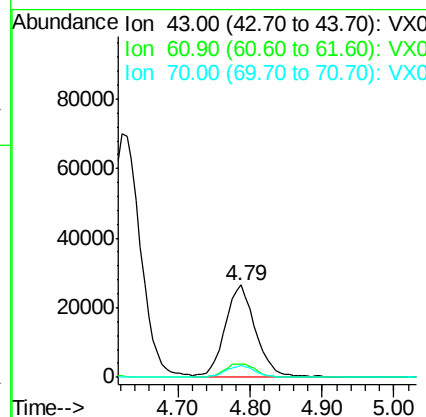
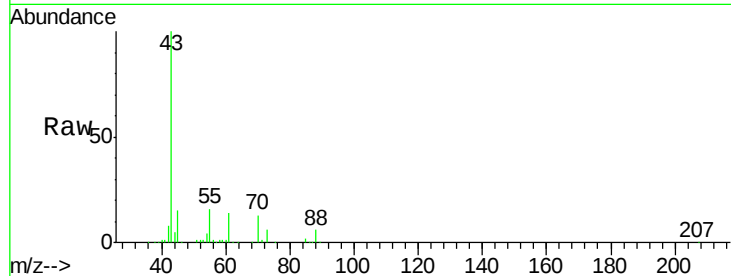
#37
Ethyl Acetate
Concen: 19.342 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.8	19.2
70	12.6	10.5	15.7

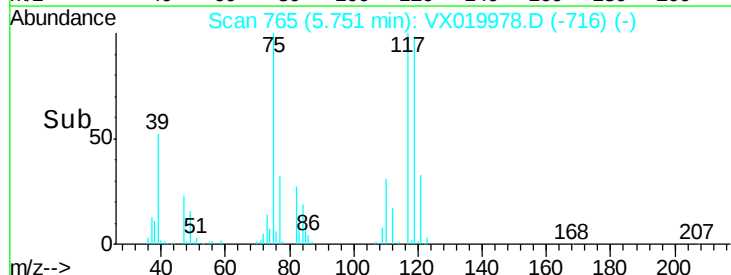
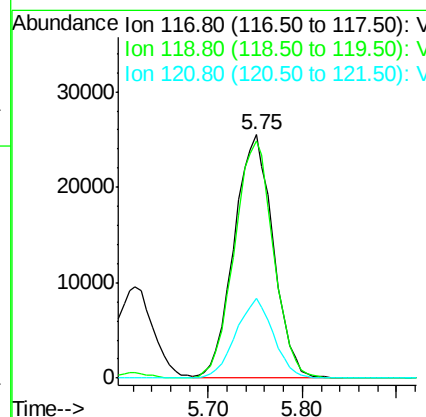
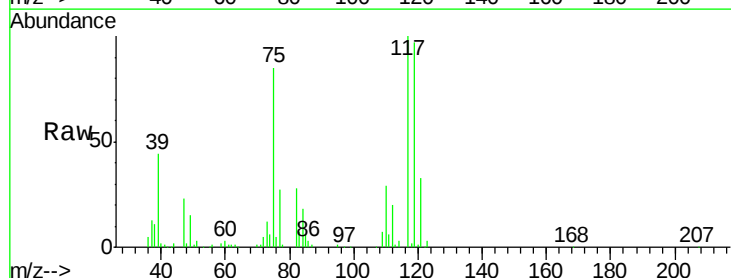
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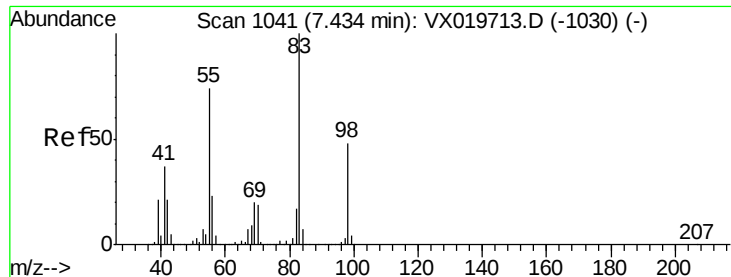
MMDadoda
12/15/2020 5:33:45 PM



#38
Carbon Tetrachloride
Concen: 19.165 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.2	114.2
121	32.8	24.8	37.2





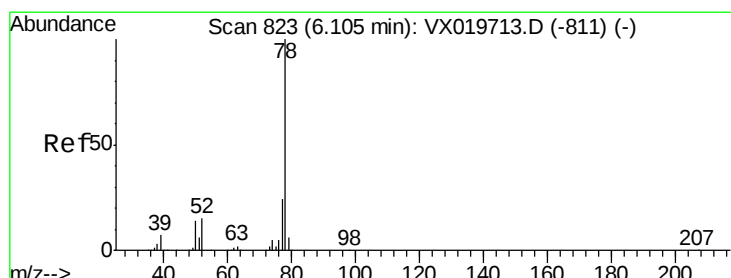
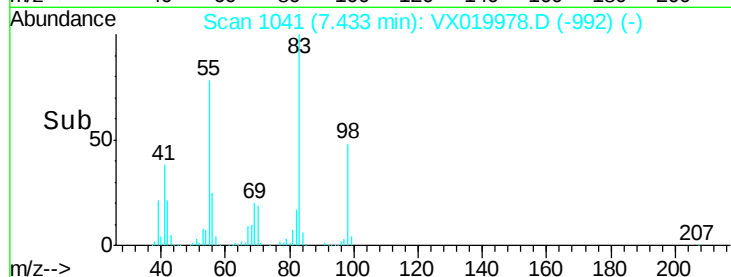
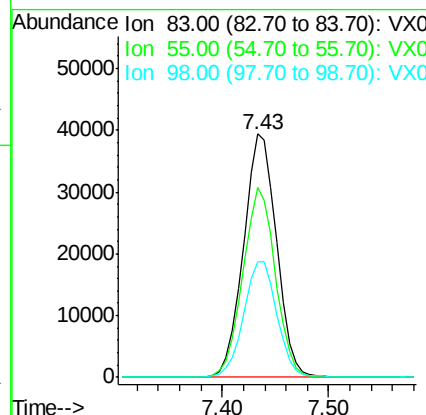
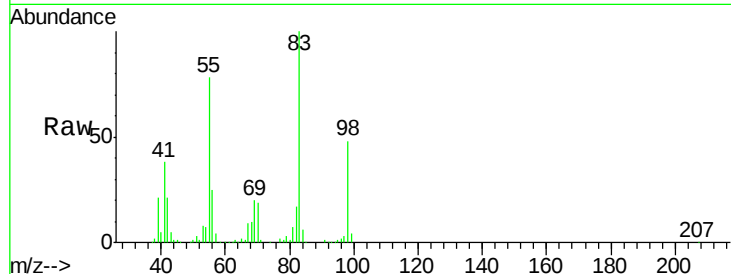
#39
Methylvlcyclohexane
Concen: 18.644 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	58.9	88.3
98	47.6	38.1	57.1

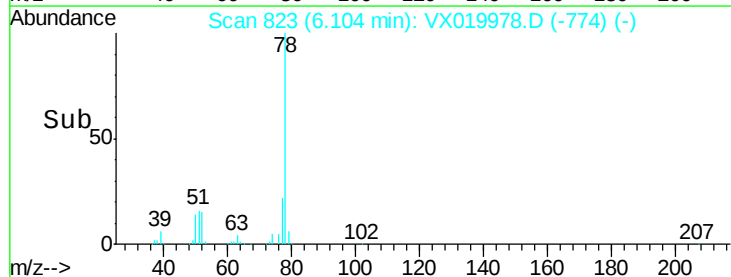
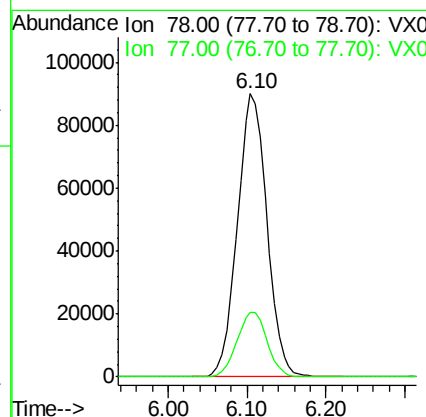
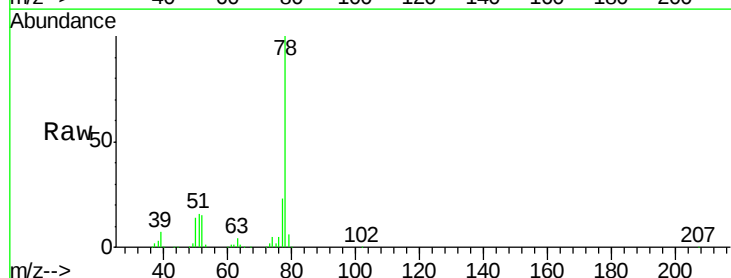
Manual Integrations
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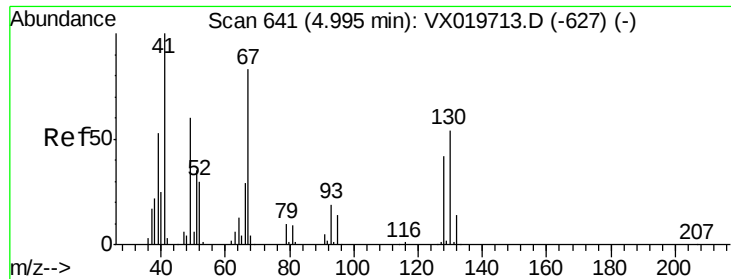
MMDadoda
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#40
Benzene
Concen: 19.542 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.9	28.3





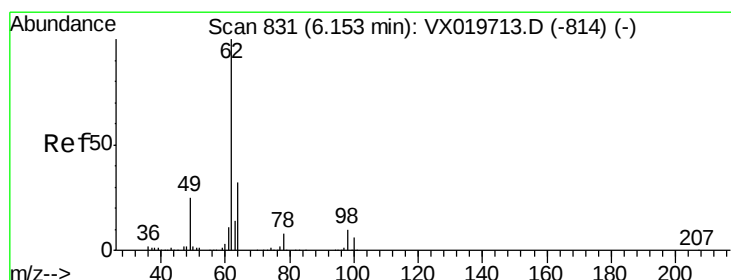
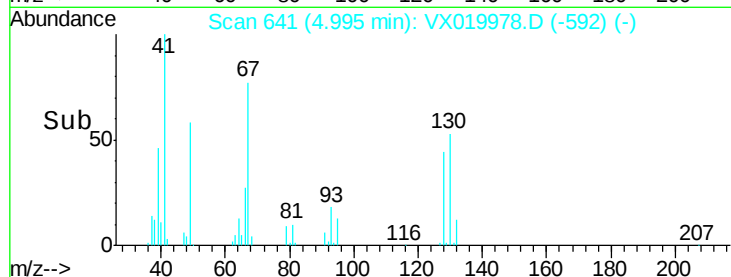
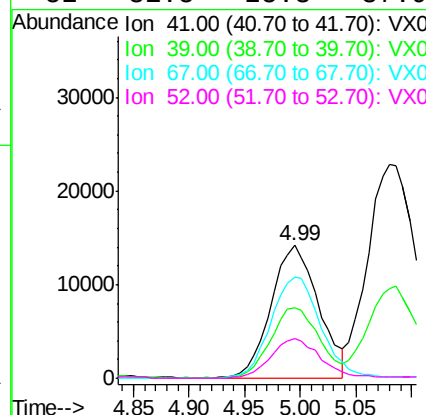
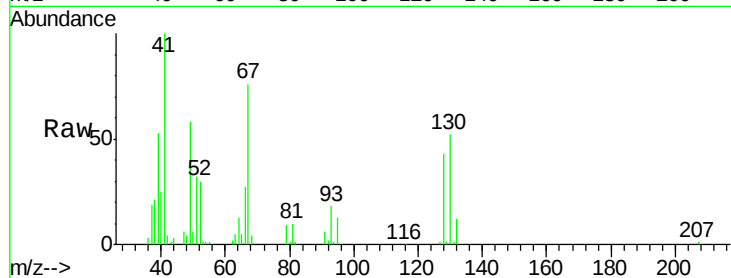
#41
Methacrylonitrile
Concen: 19.406 ug/l
RT: 4.99 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	42.5	63.7	
67	80.8	65.0	97.6	
52	31.5	25.3	37.9	

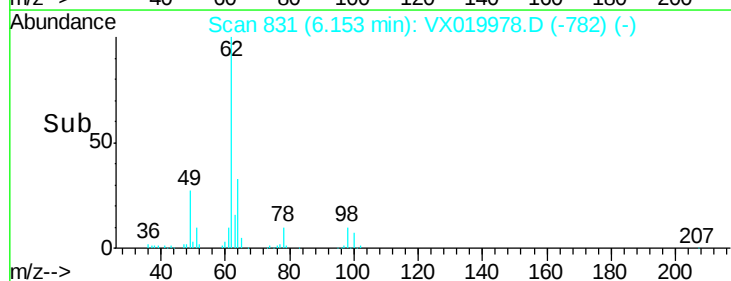
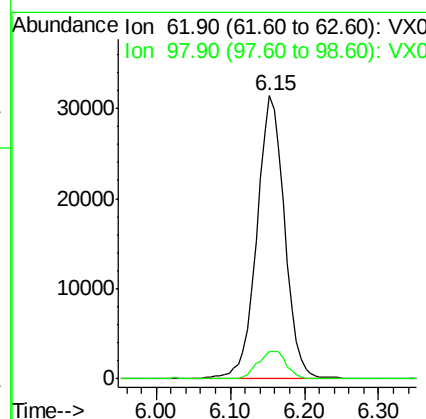
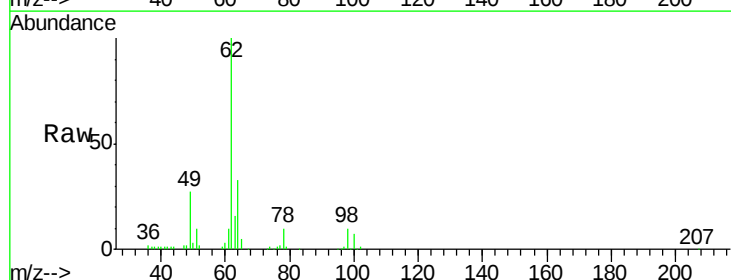
Manual Integrations
APPROVED

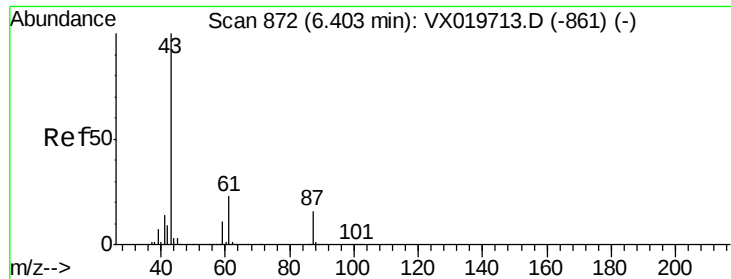
MMDadoda
12/15/2020 5:33:45 PM



#42
1,2-Dichloroethane
Concen: 20.074 ug/l
RT: 6.15 min Scan# 831
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.2	





#43

Isopropyl Acetate

Concen: 18.847 ug/l

RT: 6.40 min Scan# 872

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

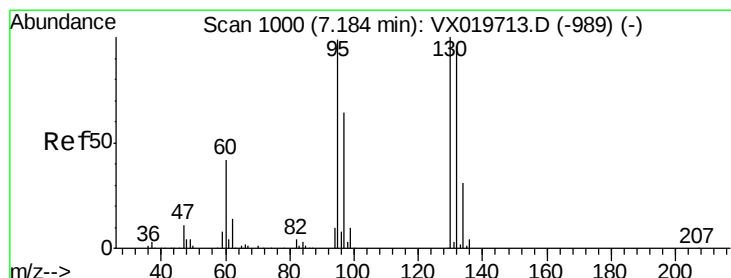
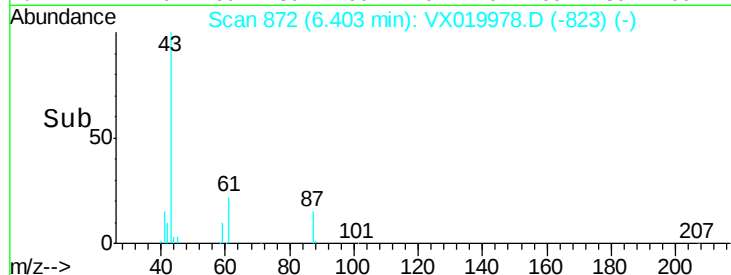
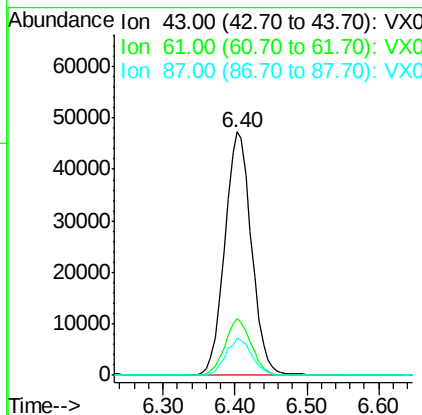
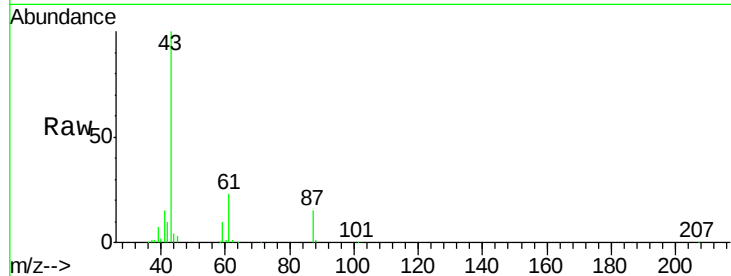
ClientSampleId :

VX1214WBS01

Tot Ion:	43	Resp:	121537
Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.2	27.4
87	14.8	12.5	18.7

Manual Integrations
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MMDadoda
12/15/2020 5:33:45 PM



#44

Trichloroethene

Concen: 18.797 ug/l

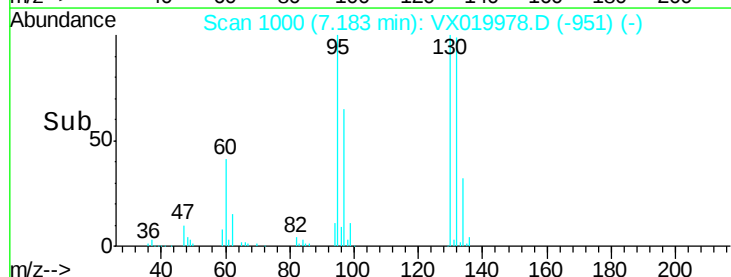
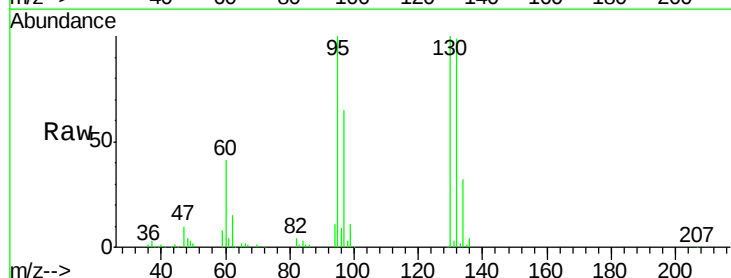
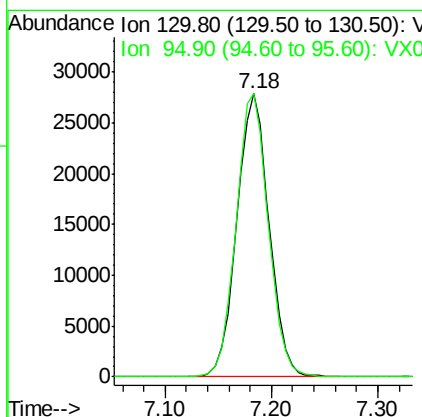
RT: 7.18 min Scan# 1000

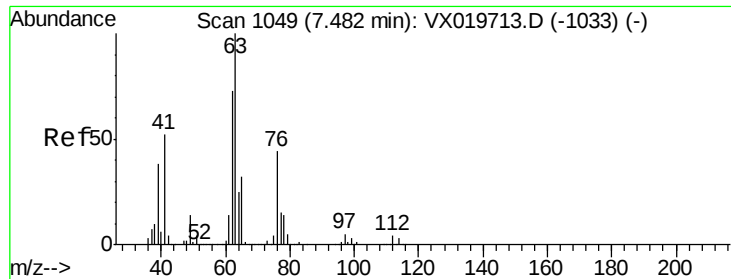
Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Tgt Ion:	130	Resp:	59182
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	198.0





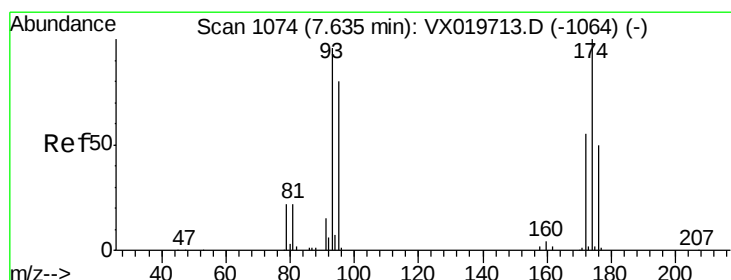
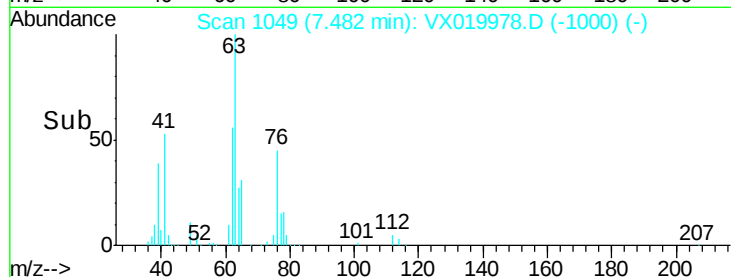
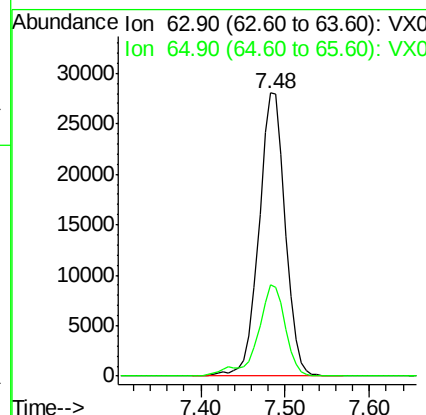
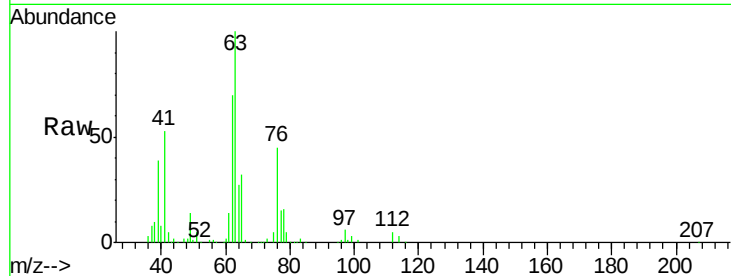
#45
 1,2-Dichloropropane
 Concen: 19.878 ug/l
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS01

Tot Ion: 63 Resp: 59617
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.7 38.5

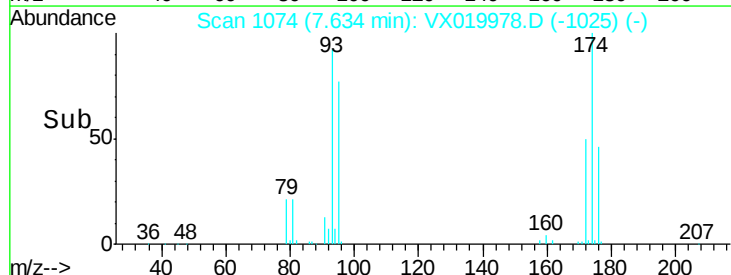
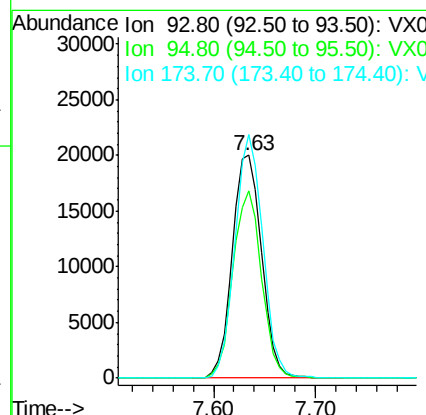
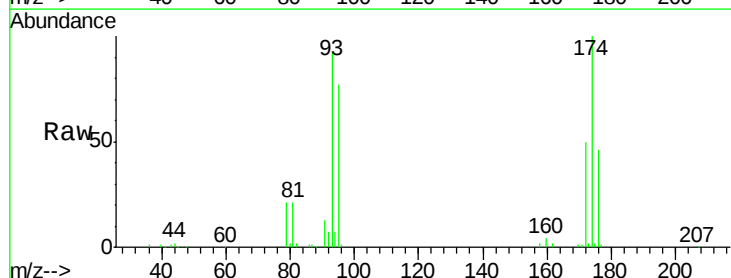
Manual Integrations
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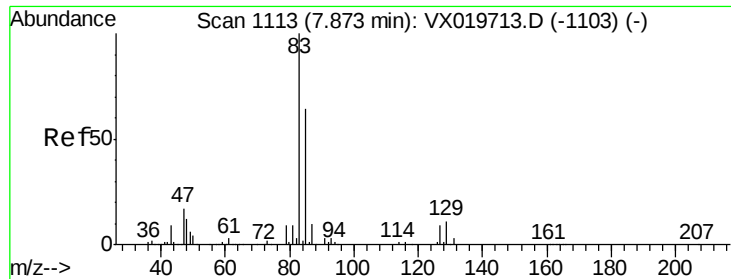
MMDadoda
 12/15/2020 5:33:45 PM



#46
 Dibromomethane
 Concen: 19.655 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Tgt Ion: 93 Resp: 39808
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.8 100.2
 174 103.6 83.1 124.7





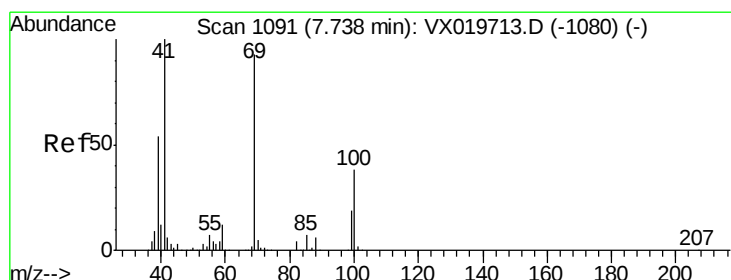
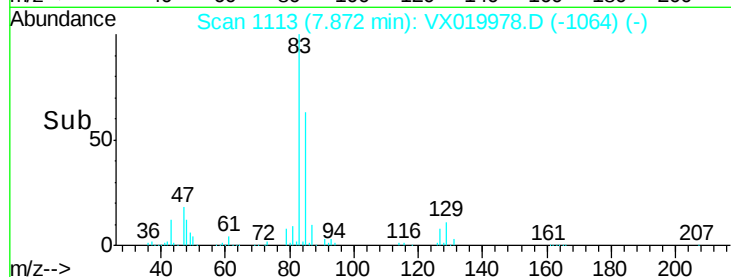
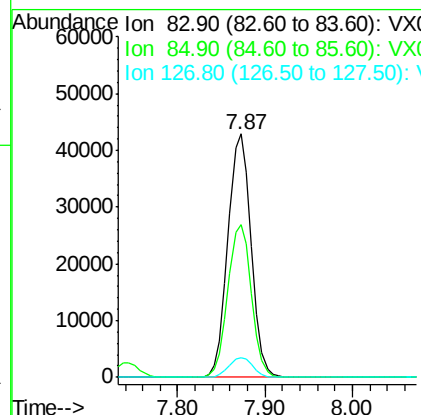
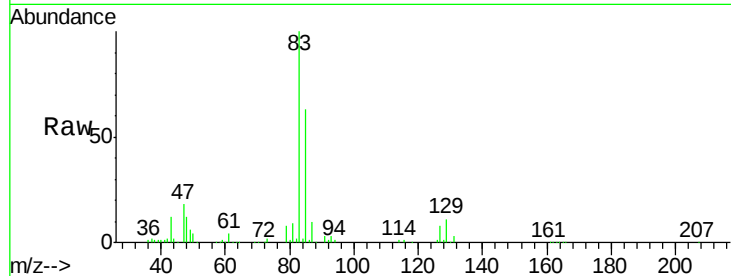
#47
Bromodichloromethane
Concen: 19.708 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	83	Resp	79207
Ion Ratio	100		
85	63.0	51.4	77.0
127	8.3	6.8	10.2

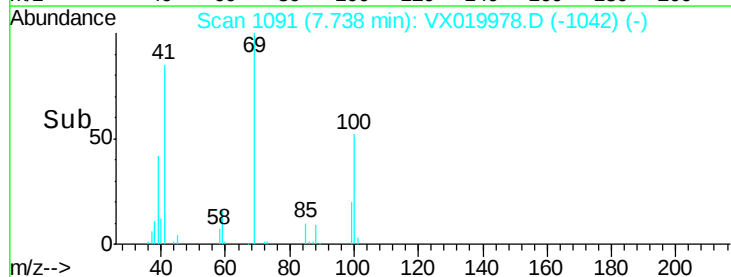
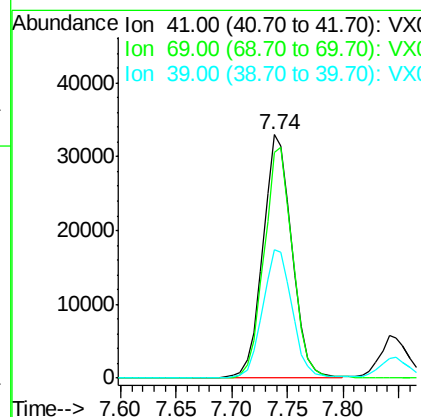
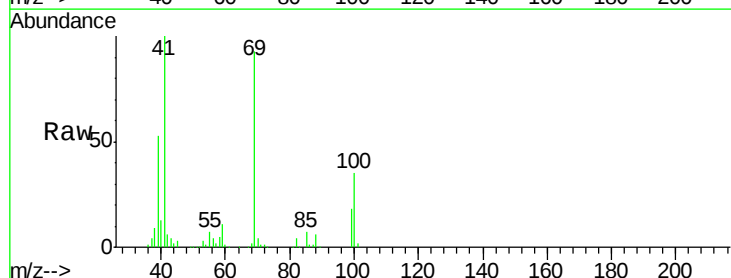
Manual Integrations
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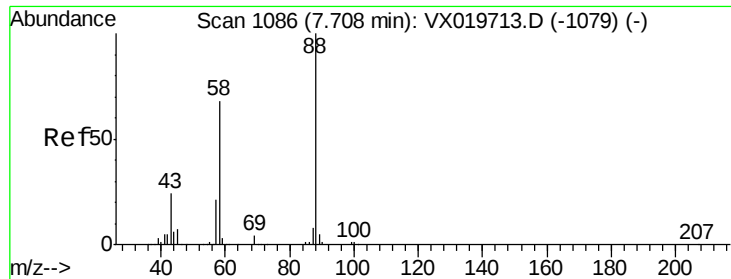
MMDadoda
12/15/2020 5:33:45 PM



#48
Methyl methacrylate
Concen: 18.989 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	41	Resp	60223
Ion Ratio	100		
69	93.5	76.0	114.0
39	53.7	44.6	67.0





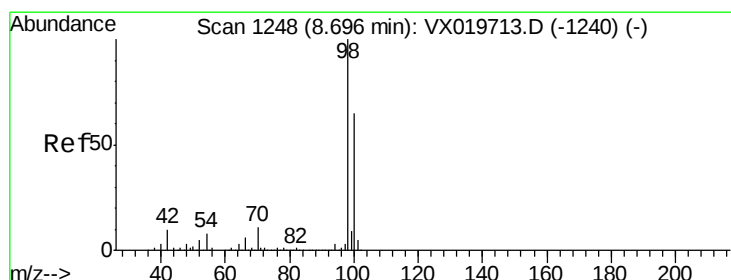
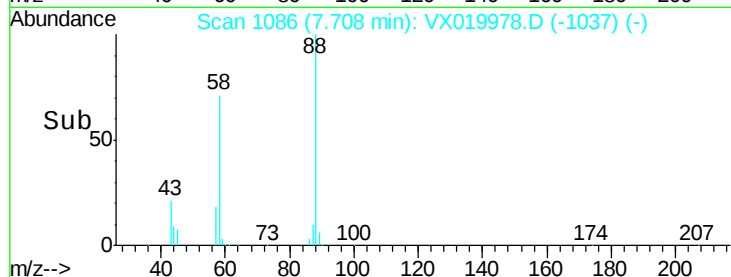
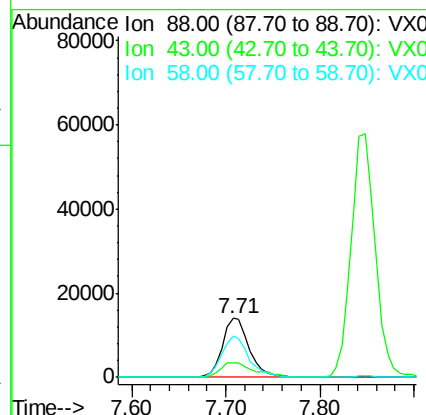
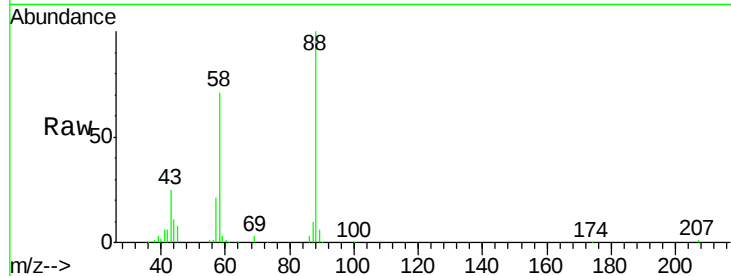
#49
1,4-Dioxane
Concen: 360.535 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	23.2	34.8
58	72.0	55.0	82.4

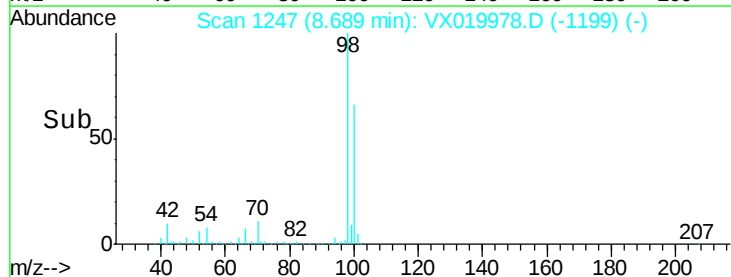
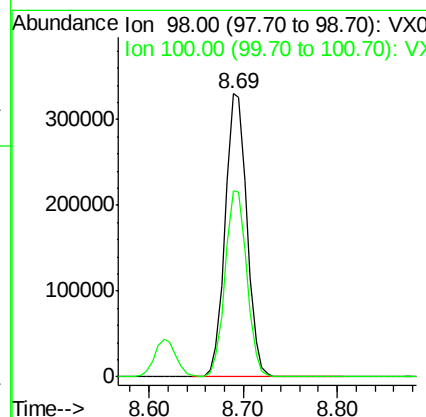
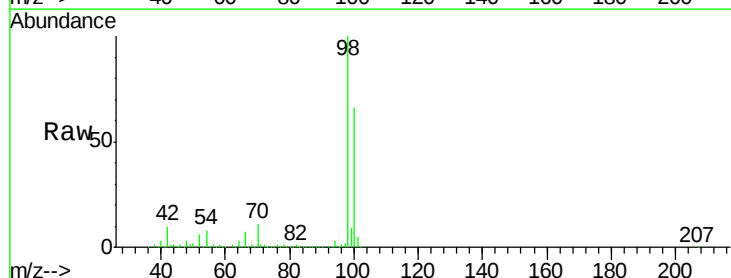
Manual Integrations
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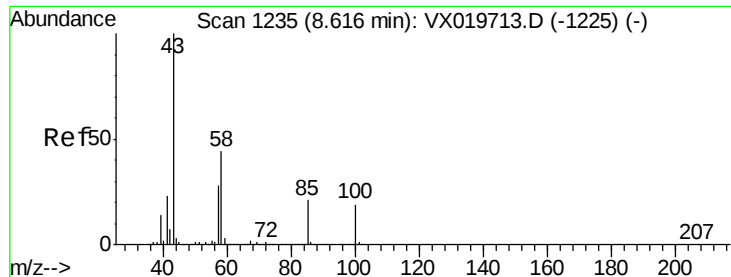
MMDadoda
12/15/2020 5:33:45 PM



#50
Toluene-d8
Concen: 49.062 ug/l
RT: 8.69 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.9	77.9





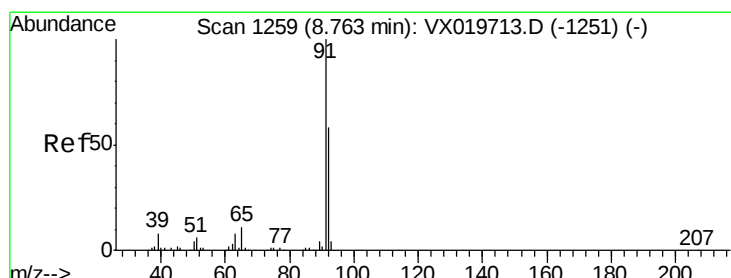
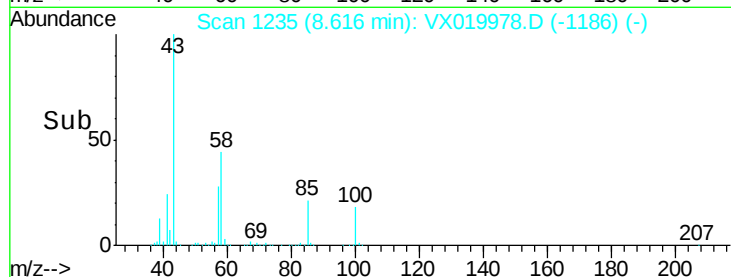
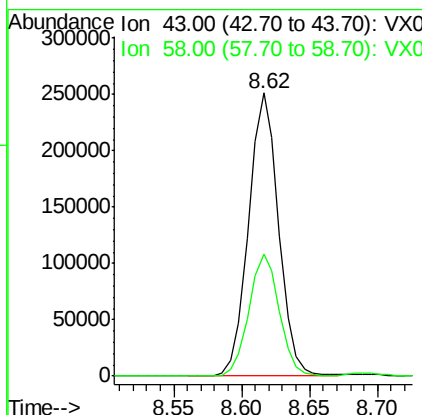
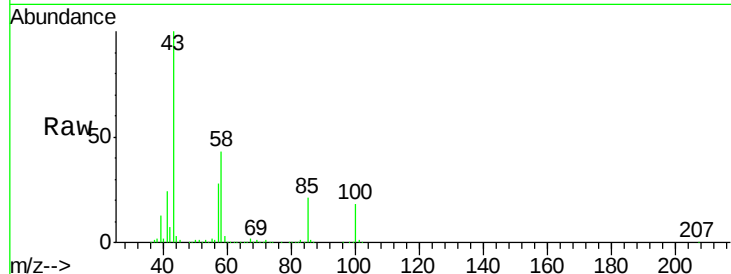
#51
4-Methyl-2-Pentanone
Concen: 98.595 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.6	35.4	53.0

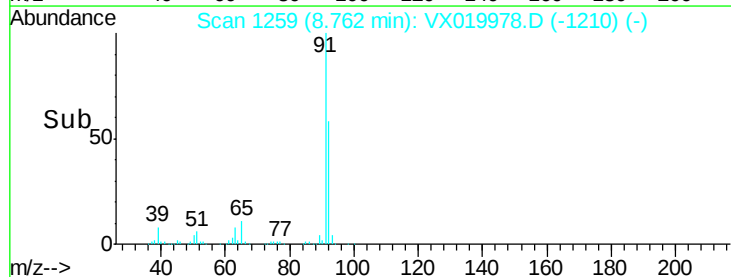
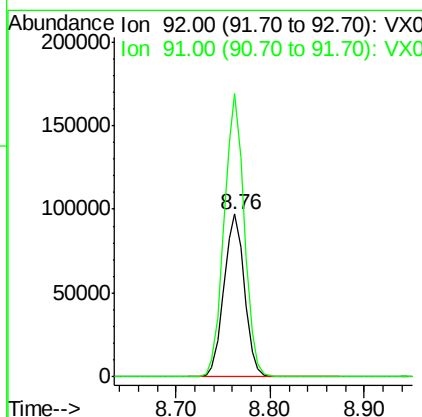
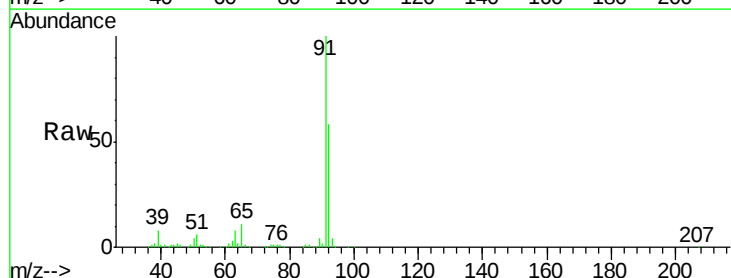
Manual Integrations
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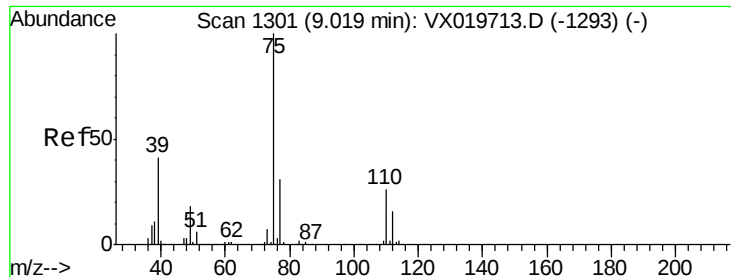
MMDadoda
12/15/2020 5:33:45 PM



#52
Toluene
Concen: 19.551 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.1	205.7





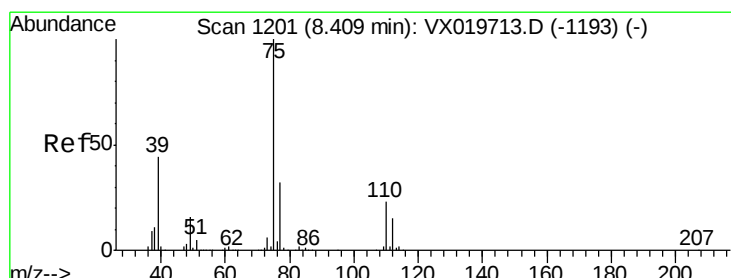
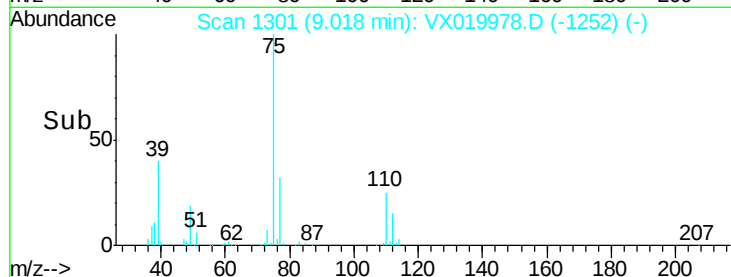
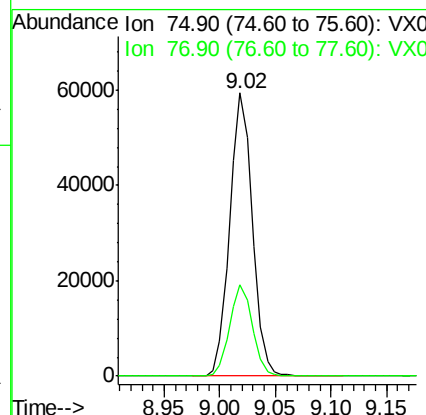
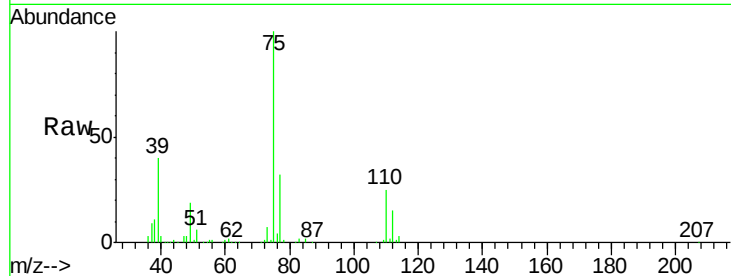
#53
t-1,3-Dichloropropene
Concen: 18.829 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion: 75 Resp: 83976
Ion Ratio Lower Upper
75 100
77 32.4 24.9 37.3

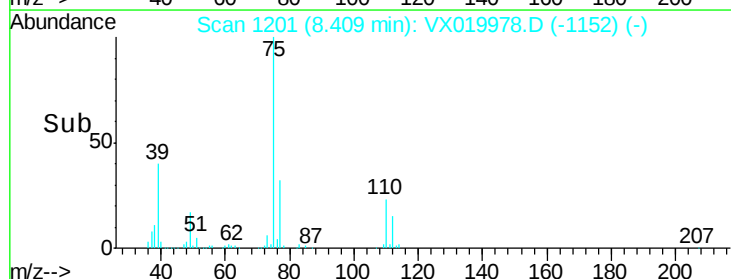
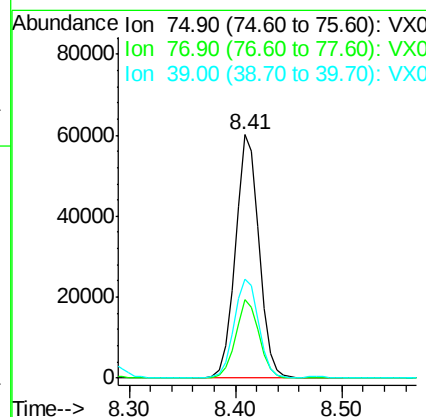
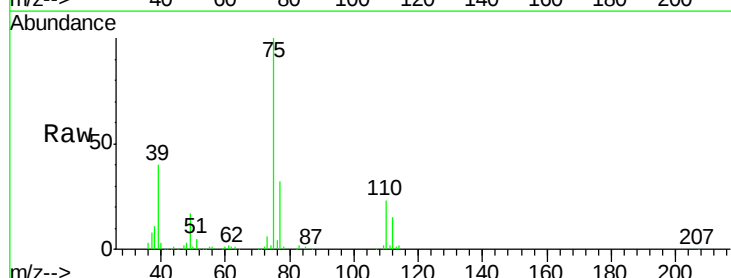
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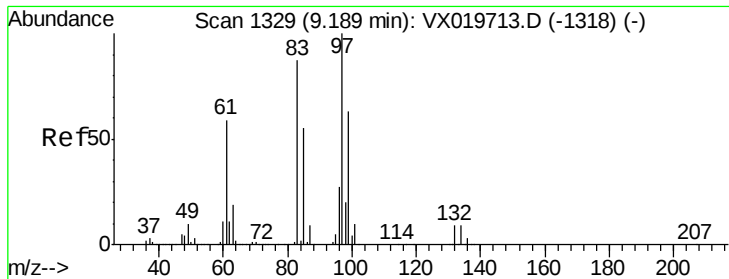
MMDadoda
12/15/2020 5:33:45 PM



#54
cis-1,3-Dichloropropene
Concen: 19.301 ug/l
RT: 8.41 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion: 75 Resp: 93519
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
39 40.4 35.1 52.7





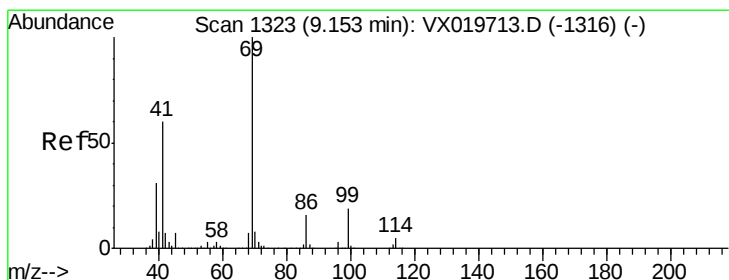
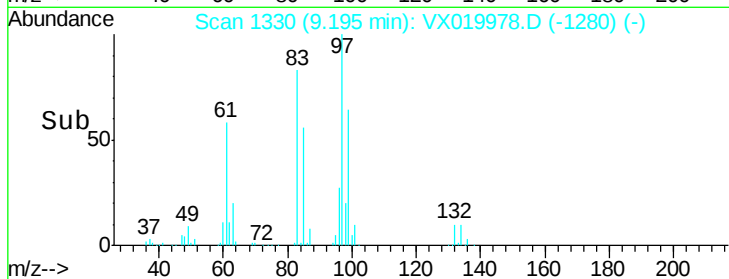
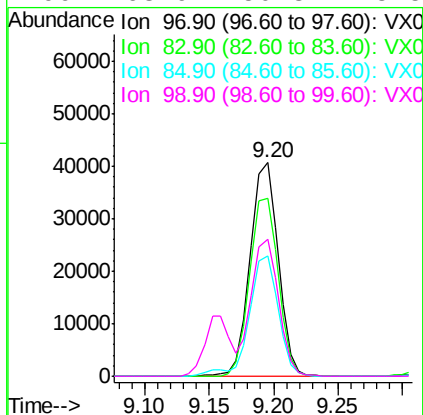
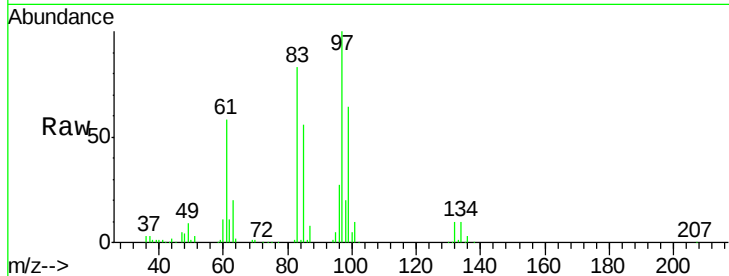
#55
 1,1,2-Trichloroethane
 Concen: 20.208 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS01

Tot Ion:	97	Resp:	61119
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.3	103.9
85	56.1	44.3	66.5
99	63.9	50.3	75.5

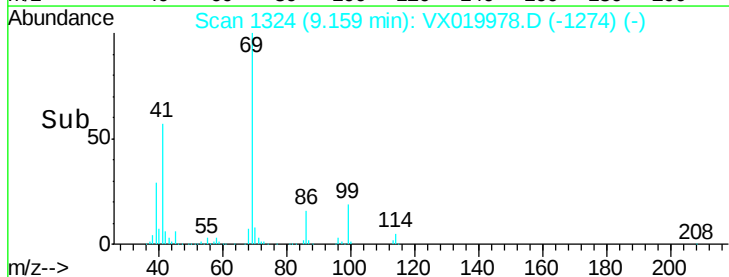
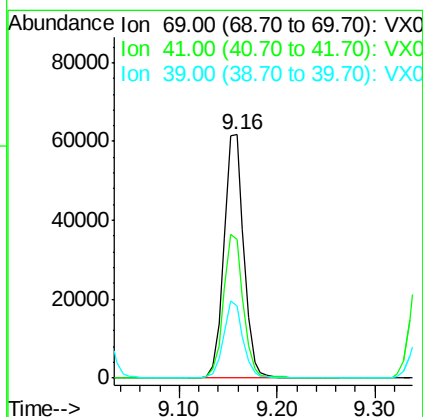
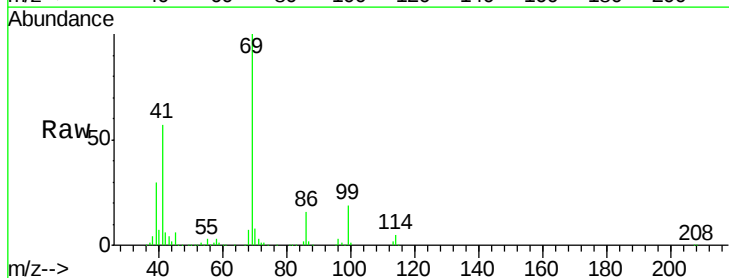
Manual Integrations
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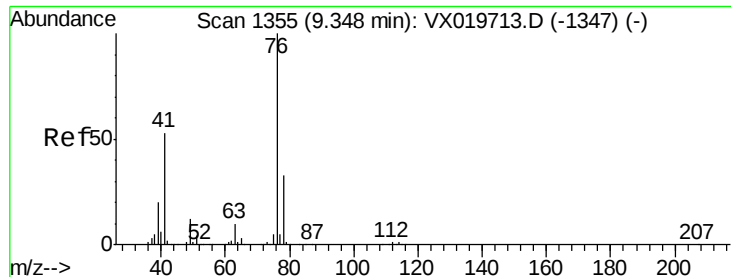
MMDadoda
 12/15/2020 5:33:45 PM



#56
 Ethyl methacrylate
 Concen: 18.944 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Tgt Ion:	69	Resp:	86690
Ion	Ratio	Lower	Upper
69	100		
41	58.2	46.8	70.2
39	30.5	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.804 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 76 Resp: 102278

Ion Ratio Lower Upper

76 100

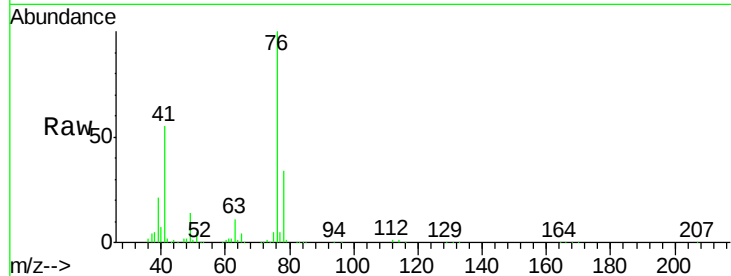
78 32.7 26.2 39.2

Manual Integrations

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MMDadoda

12/15/2020 5:33:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

60000

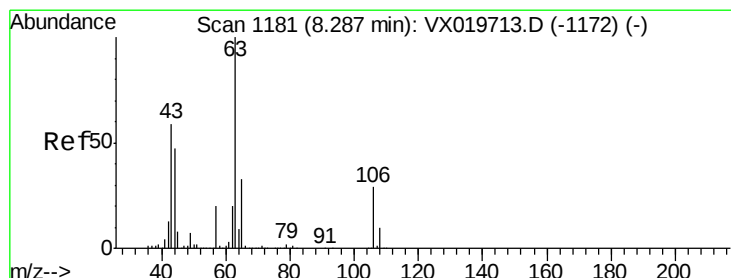
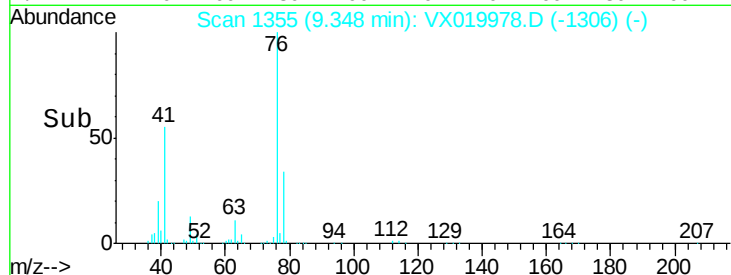
40000

20000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.397 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX019978.D

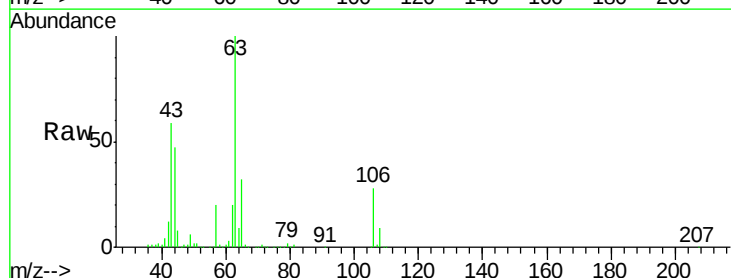
Acq: 14 Dec 2020 11:59

Tgt Ion: 63 Resp: 238536

Ion Ratio Lower Upper

63 100

106 28.9 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

150000

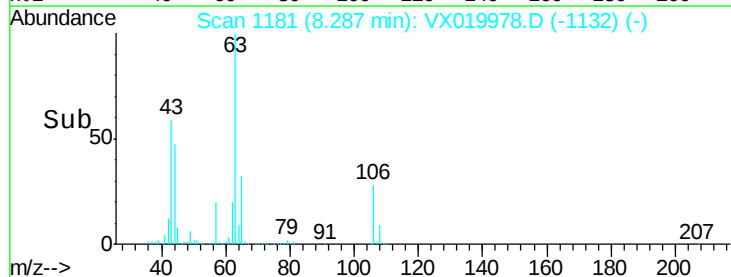
100000

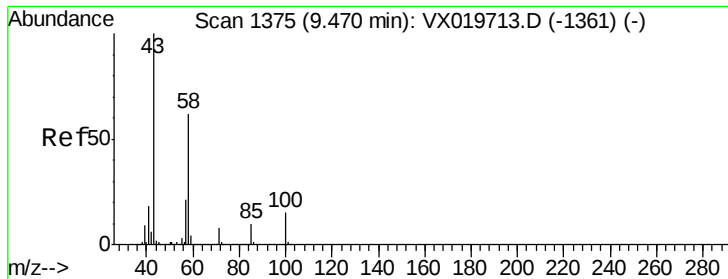
50000

0

8.20 8.30 8.40

Time-->





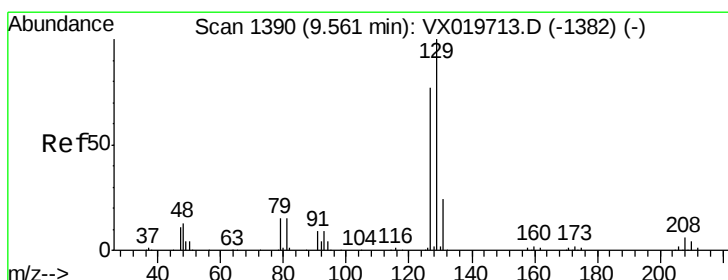
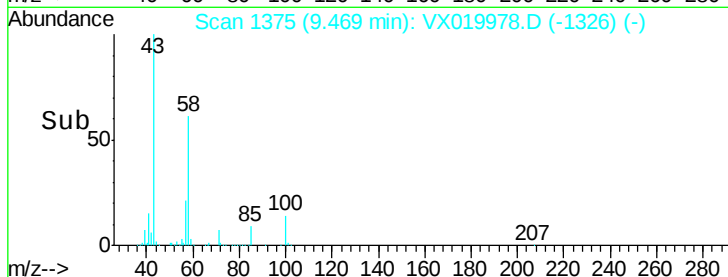
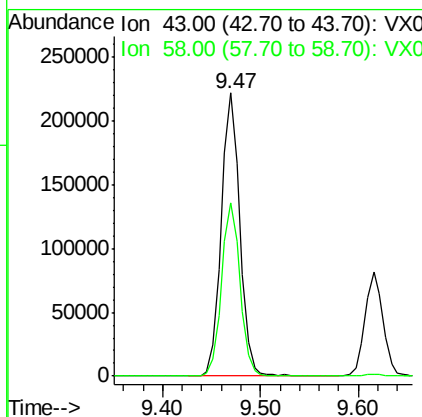
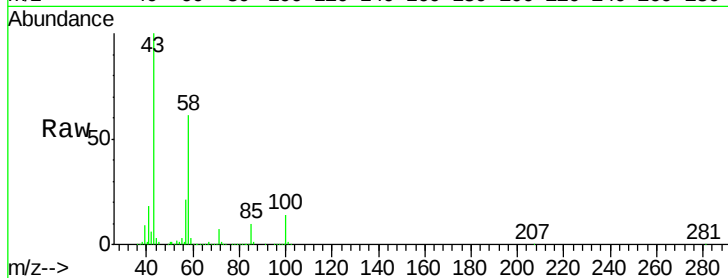
#59
2-Hexanone
Concen: 95.830 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.3	30.9	92.8

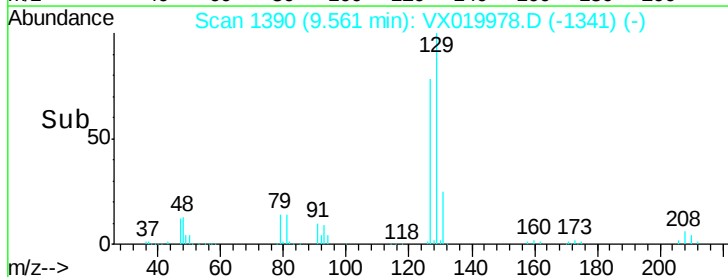
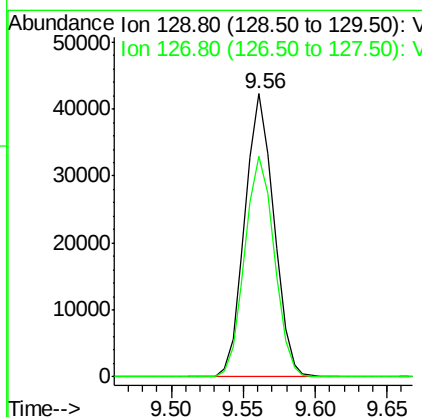
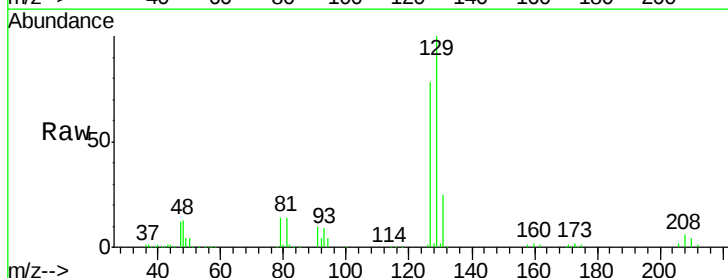
Manual Integrations
APPROVED

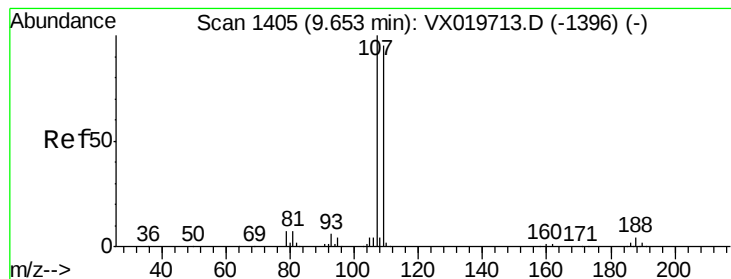
MMDadoda
12/15/2020 5:33:45 PM



#60
Dibromochloromethane
Concen: 19.291 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.4	115.2





#61

1,2-Dibromoethane

Concen: 19.400 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion:107 Resp: 62308

Ion Ratio Lower Upper

107 100

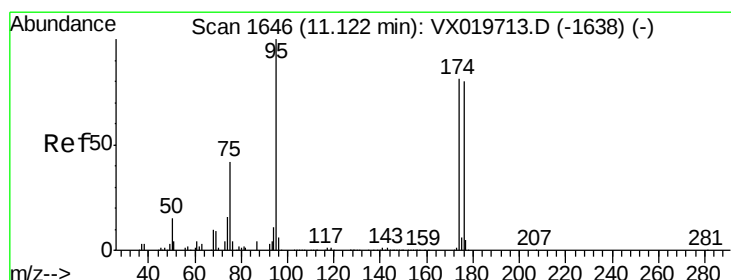
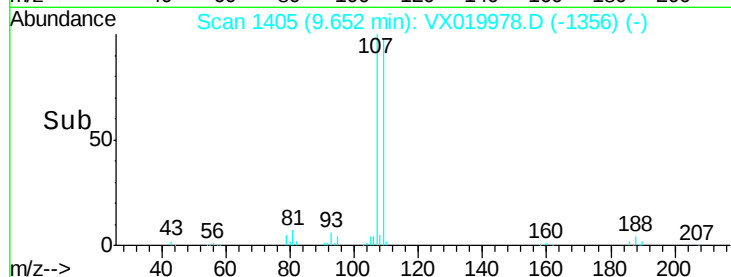
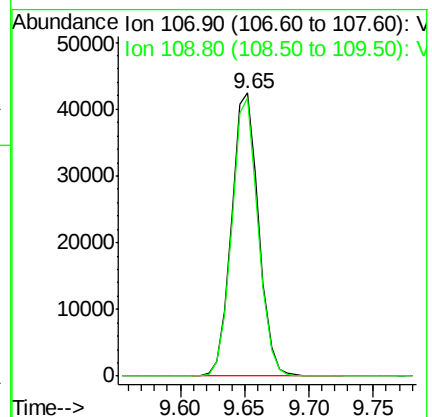
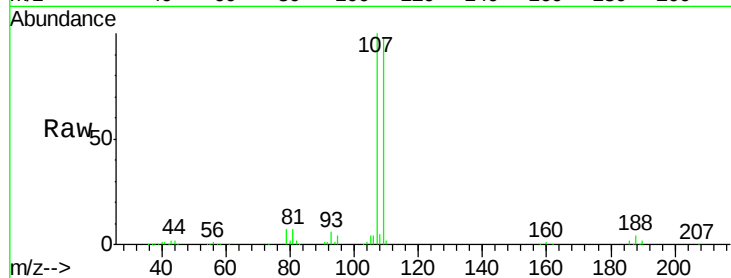
109 95.8 75.8 113.6

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12/15/2020 5:33:45 PM



#62

4-Bromofluorobenzene

Concen: 48.046 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

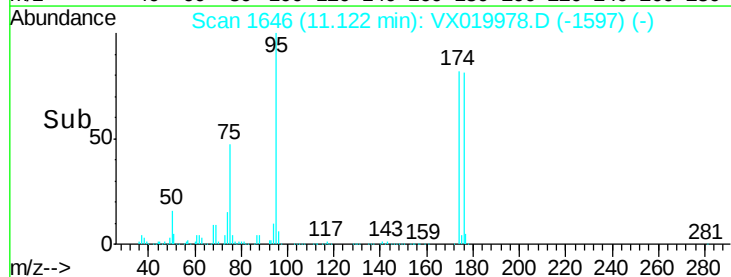
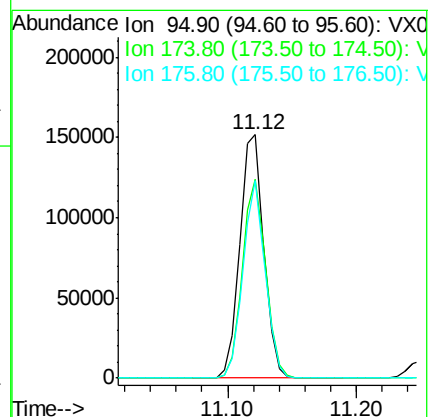
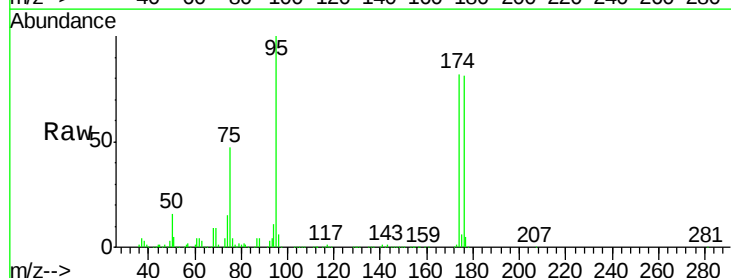
Tgt Ion: 95 Resp: 196153

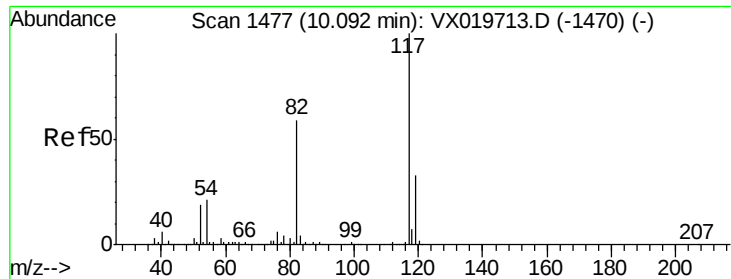
Ion Ratio Lower Upper

95 100

174 79.1 0.0 154.6

176 75.0 0.0 155.8





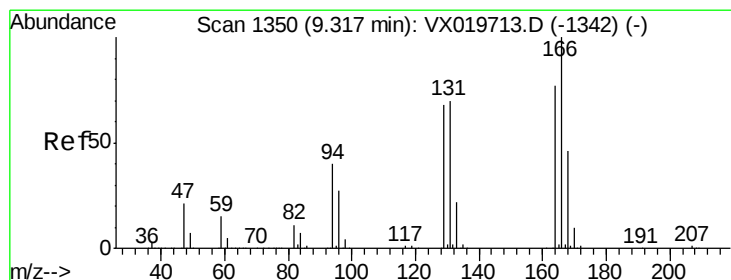
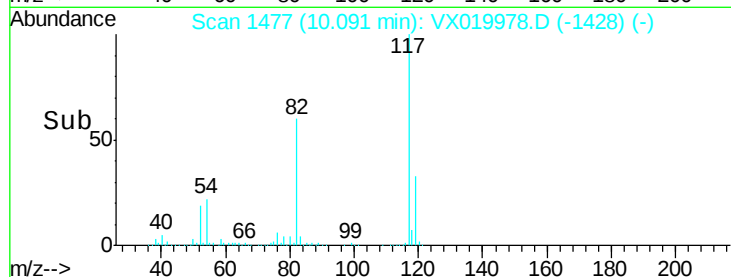
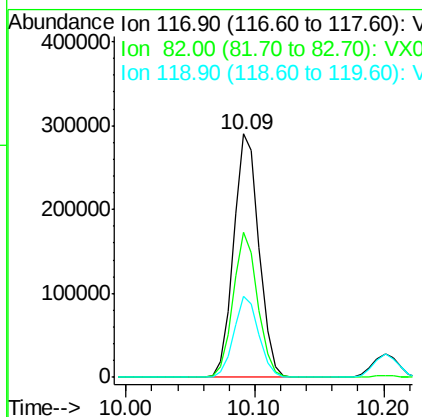
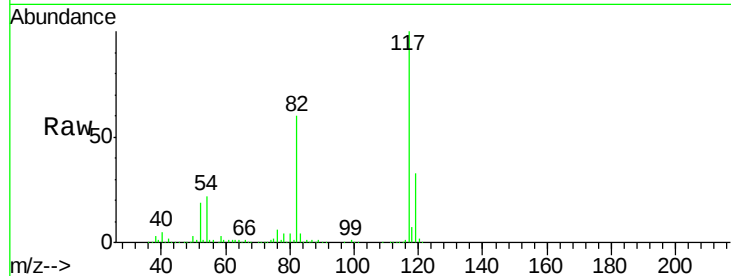
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	397003		
82	59.7		47.4	71.2
119	33.1		26.6	39.8

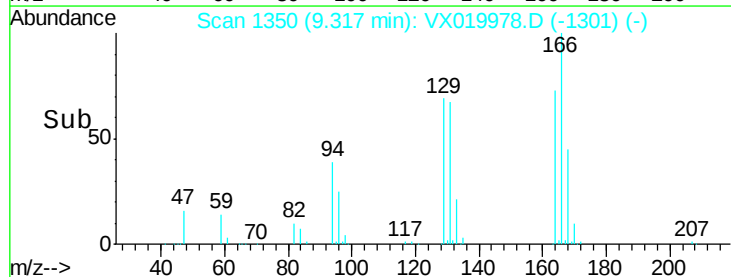
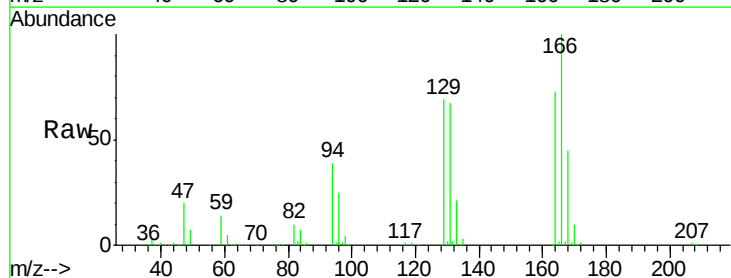
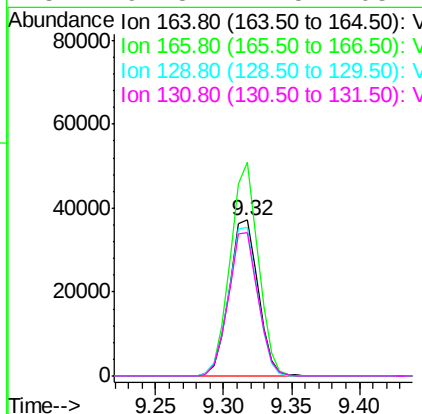
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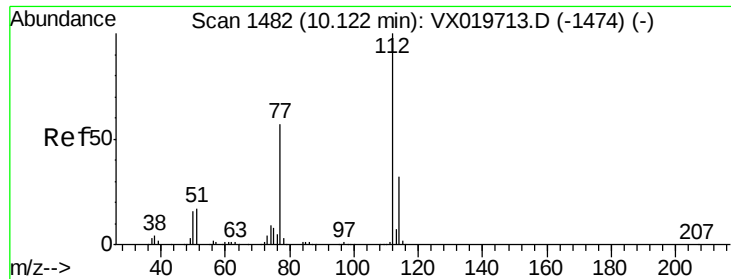
MMDadoda
12/15/2020 5:33:45 PM



#64
Tetrachloroethene
Concen: 20.765 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55283		
166	137.0		103.4	155.2
129	94.9		70.8	106.2
131	91.8		72.5	108.7





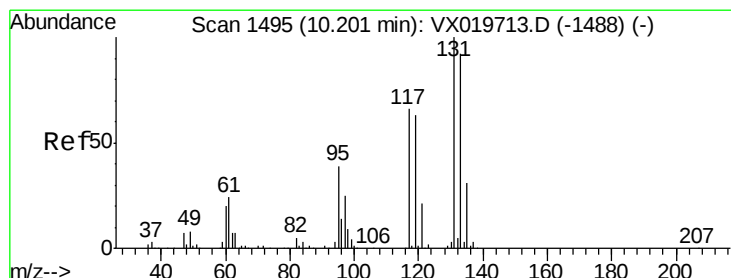
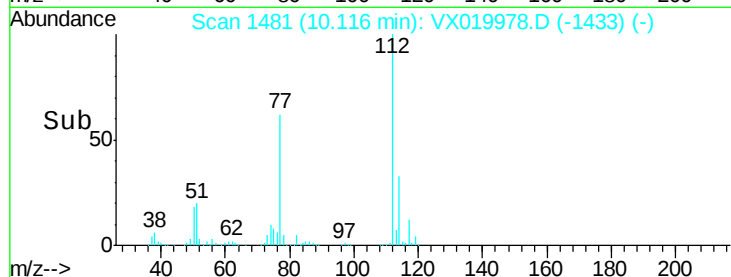
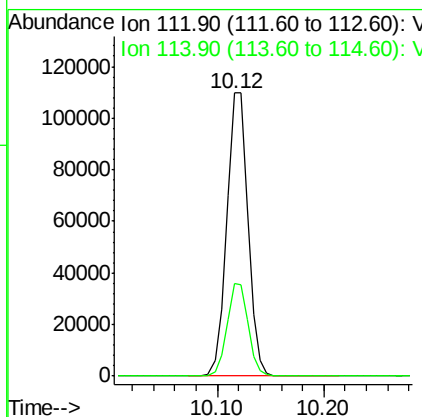
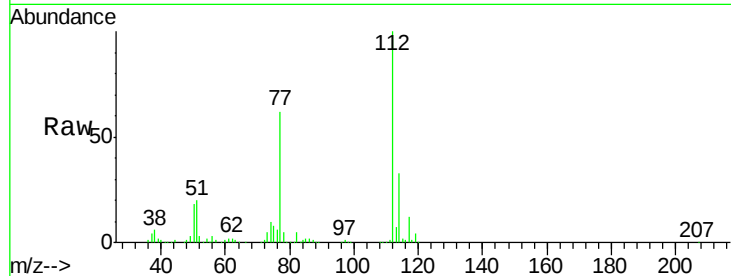
#65
Chlorobenzene
Concen: 19.473 ug/l
RT: 10.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion:112 Resp: 154020
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

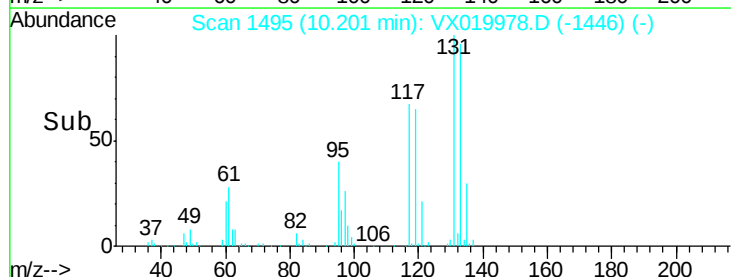
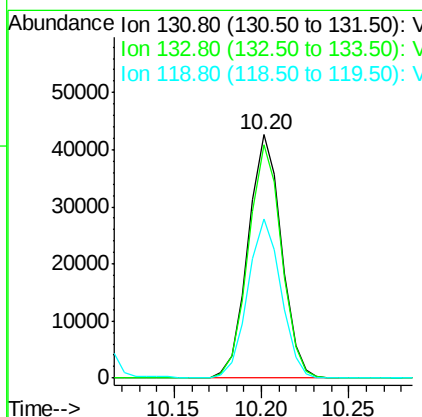
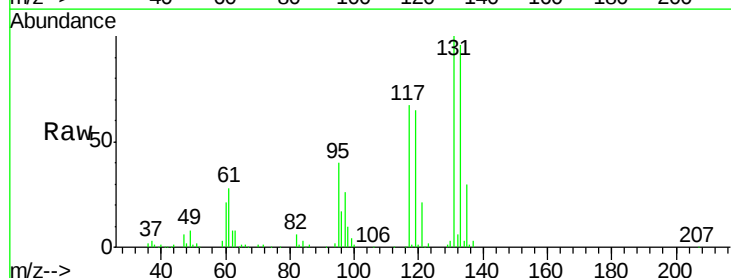
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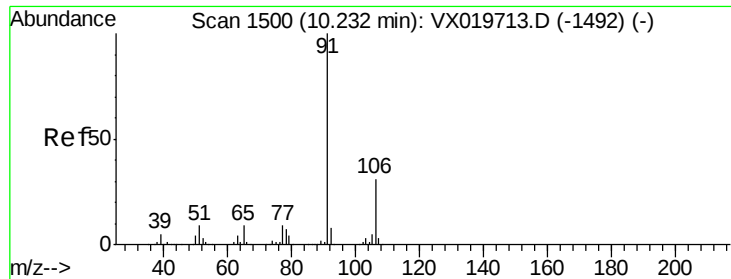
MMDadoda
12/15/2020 5:33:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.845 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion:131 Resp: 56495
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 65.5 32.1 96.5





#67

Ethyl Benzene

Concen: 19.462 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 91 Resp: 273234

Ion Ratio Lower Upper

91 100

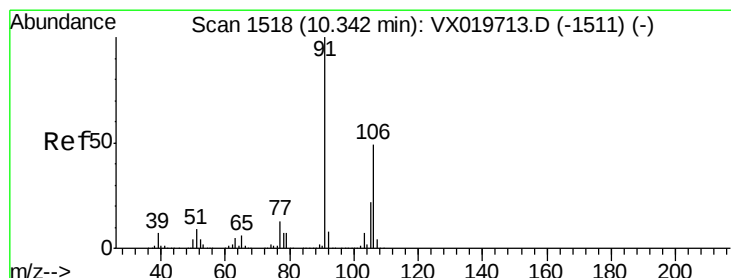
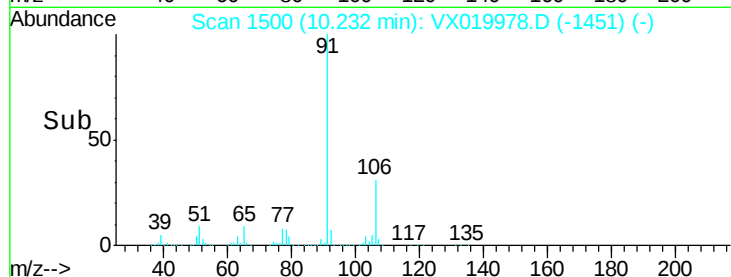
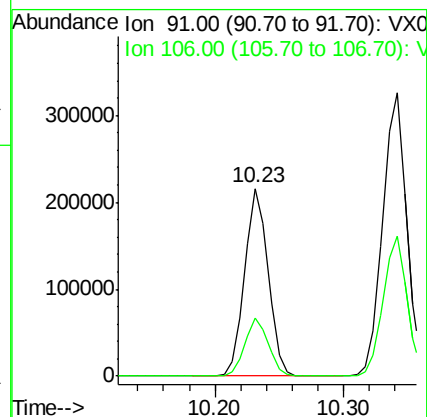
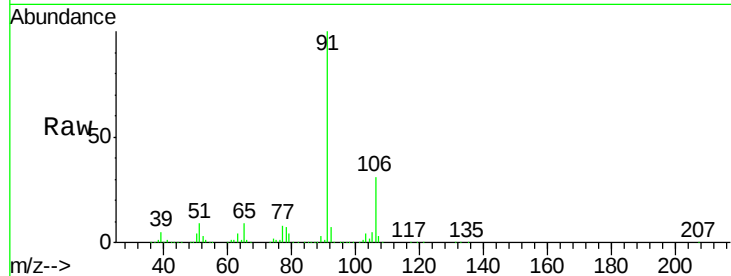
106 31.0 24.6 37.0

Manual Integrations

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12/15/2020 5:33:45 PM



#68

m/p-Xylenes

Concen: 39.094 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019978.D

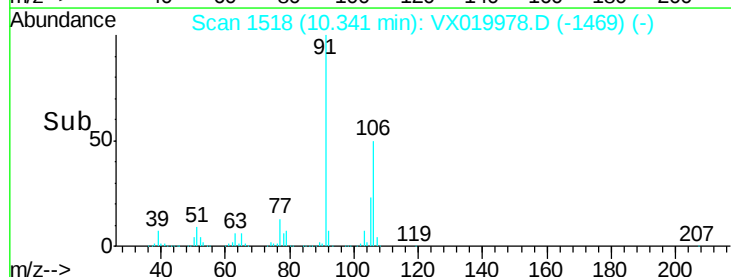
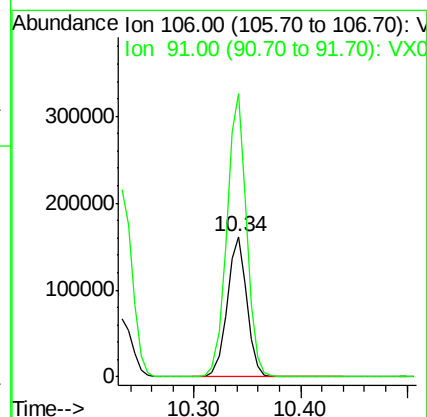
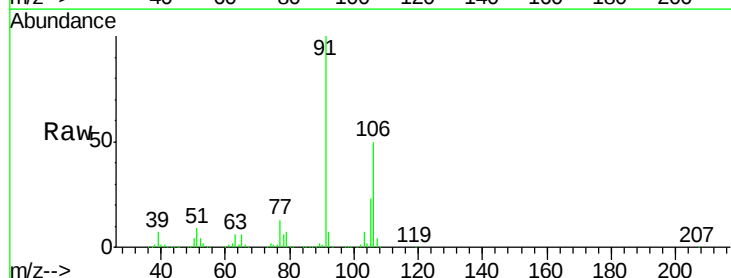
Acq: 14 Dec 2020 11:59

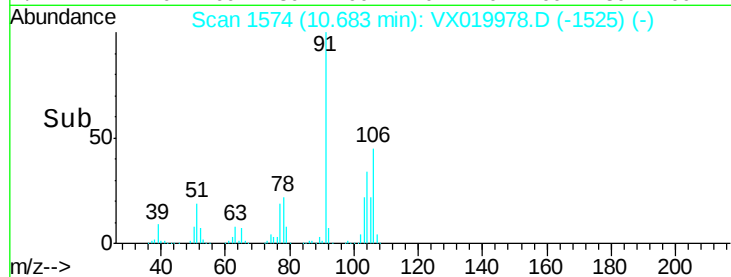
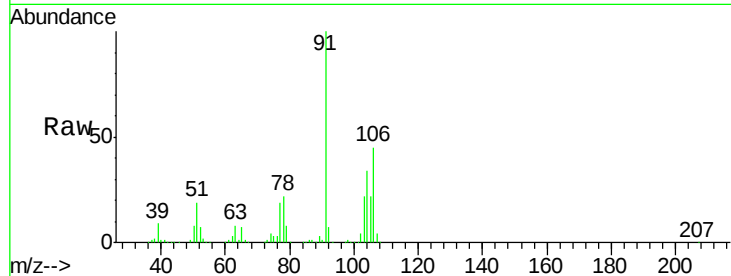
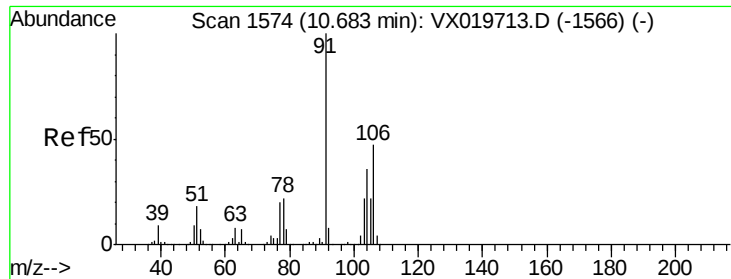
Tgt Ion: 106 Resp: 206817

Ion Ratio Lower Upper

106 100

91 202.6 162.8 244.2





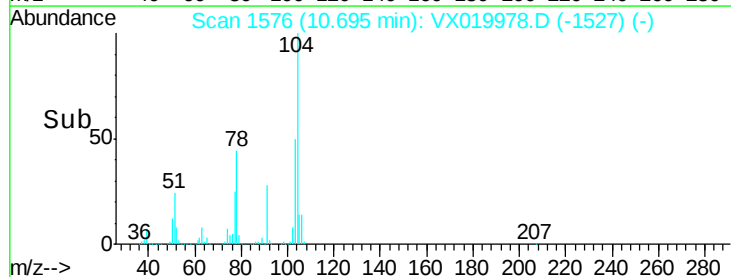
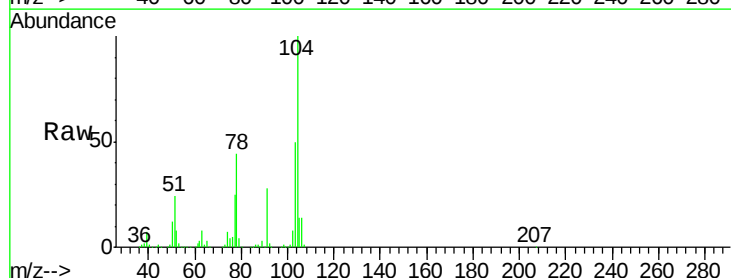
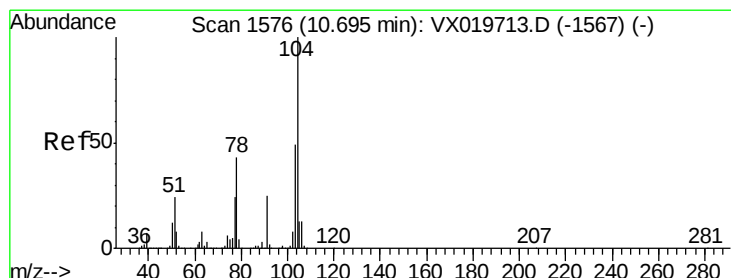
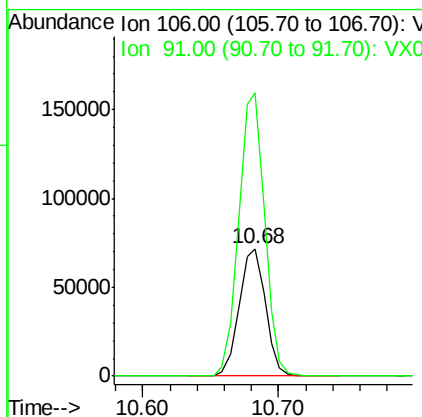
#69
o-Xylene
Concen: 18.926 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tot Ion:106 Resp: 96316
Ion Ratio Lower Upper
106 100
91 219.7 108.1 324.2

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

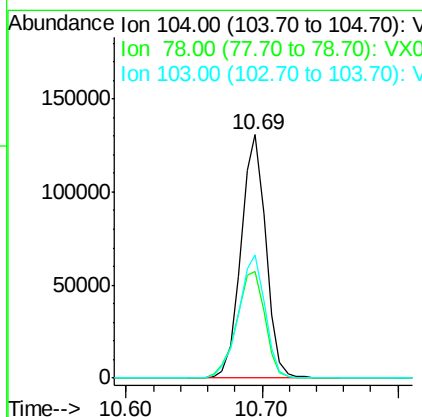
Manual Integrations
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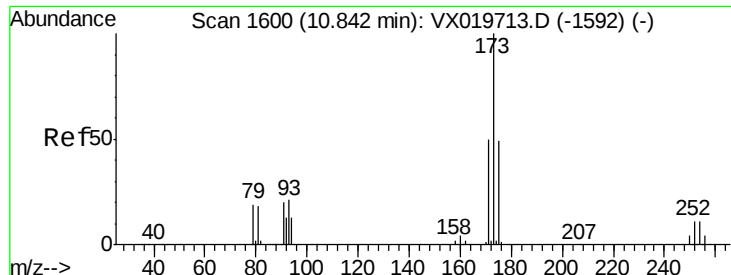
MMDadoda
12/15/2020 5:33:45 PM



#70
Styrene
Concen: 19.322 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion:104 Resp: 165972
Ion Ratio Lower Upper
104 100
78 50.6 40.0 60.0
103 54.7 43.4 65.0





#71

Bromoform

Concen: 18.724 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion:173 Resp: 41932

Ion Ratio Lower Upper

173 100

175 48.5 23.9 71.8

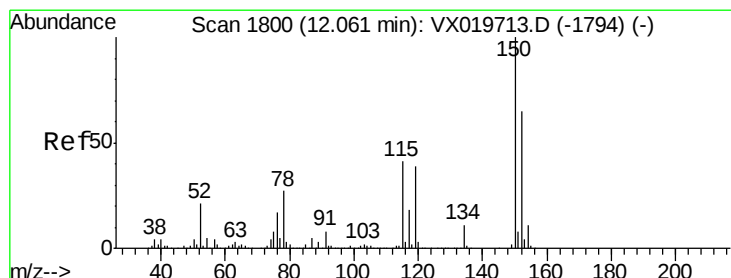
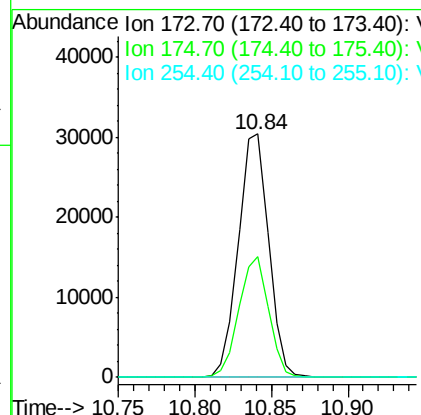
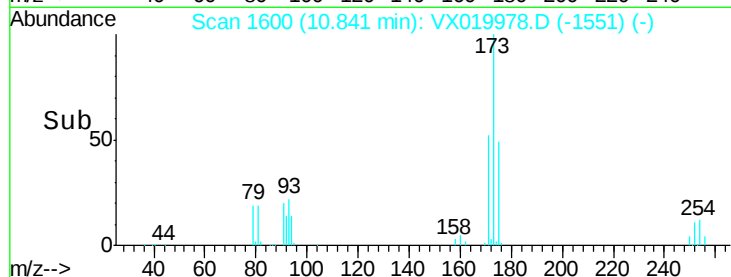
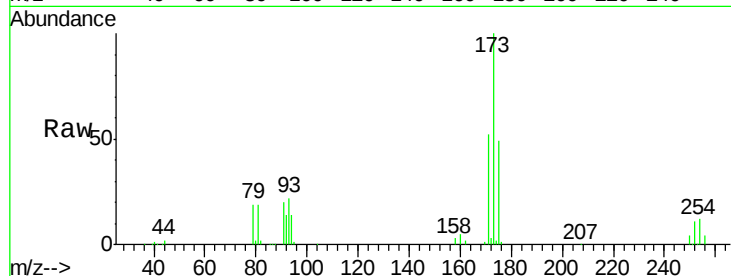
254 0.0 0.1 0.1#

Manual Integrations

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12/15/2020 5:33:45 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

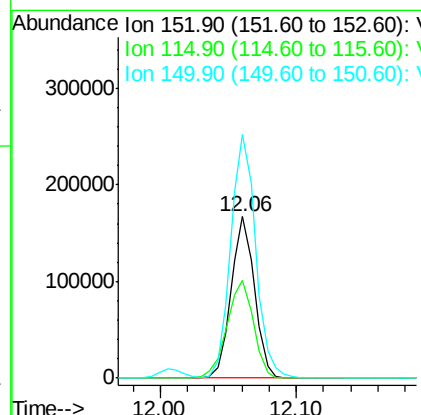
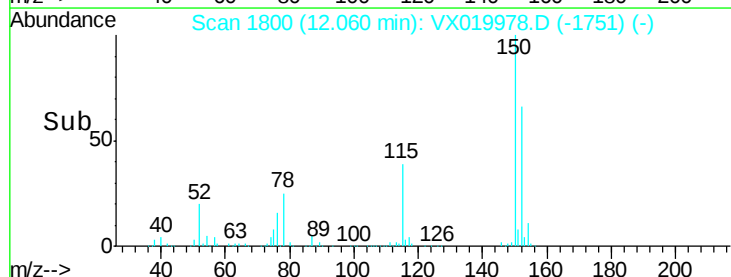
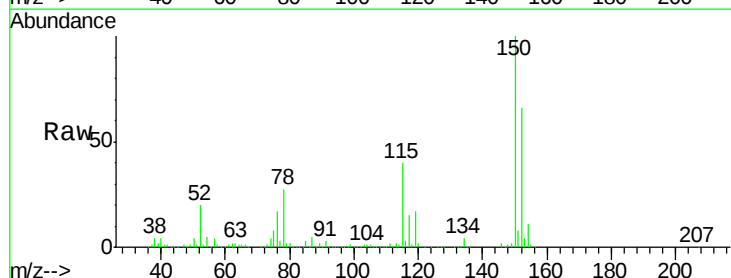
Tgt Ion:152 Resp: 197629

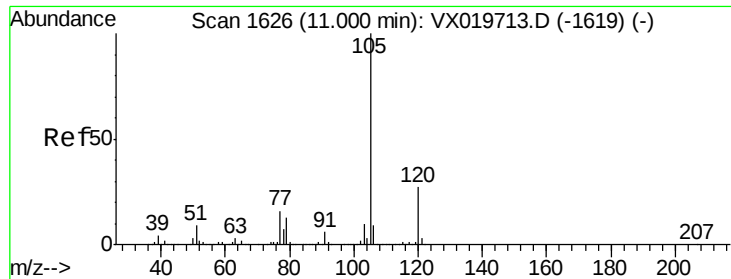
Ion Ratio Lower Upper

152 100

115 68.6 41.1 123.3

150 162.2 0.0 349.0





#73

Isopropylbenzene

Concen: 19.726 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 105 Resp: 266345

Ion Ratio Lower Upper

105 100

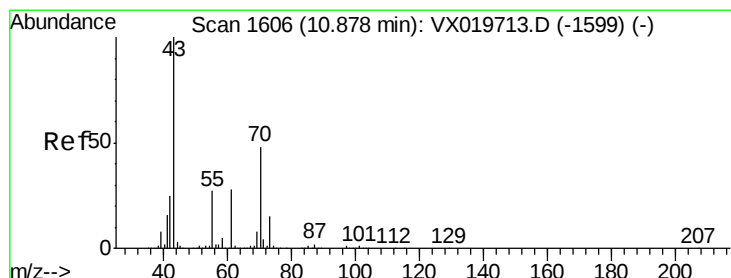
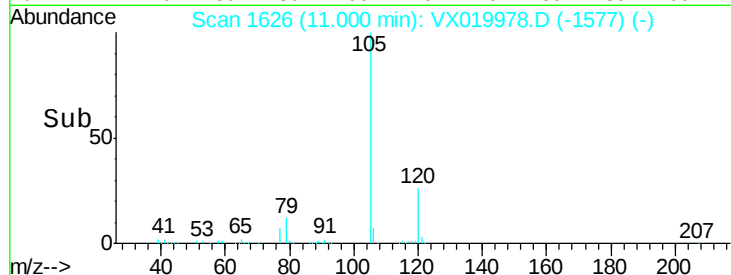
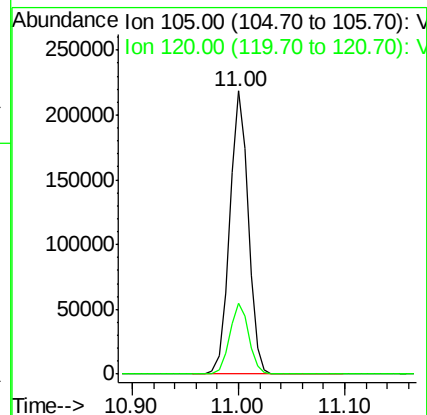
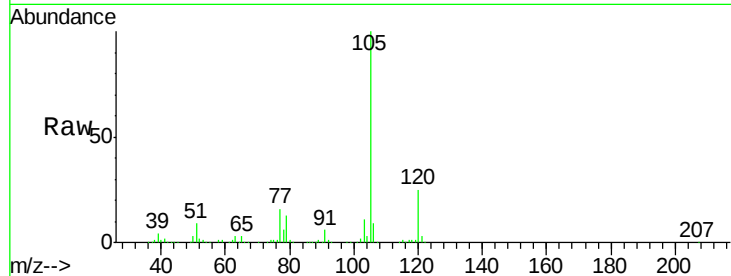
120 25.5 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.510 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Tgt Ion: 43 Resp: 100152

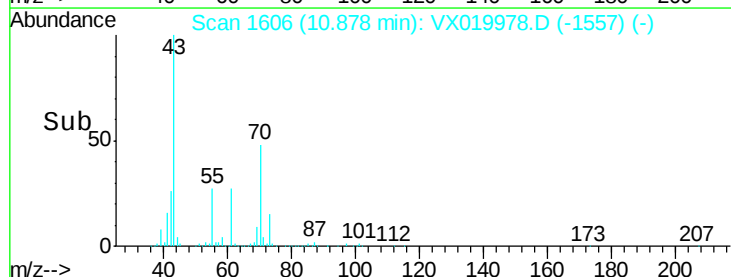
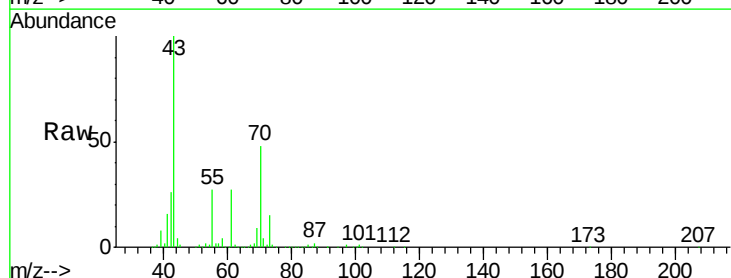
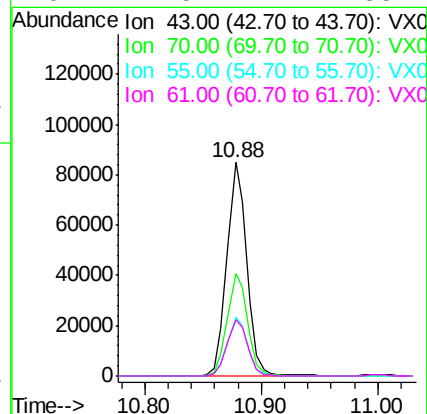
Ion Ratio Lower Upper

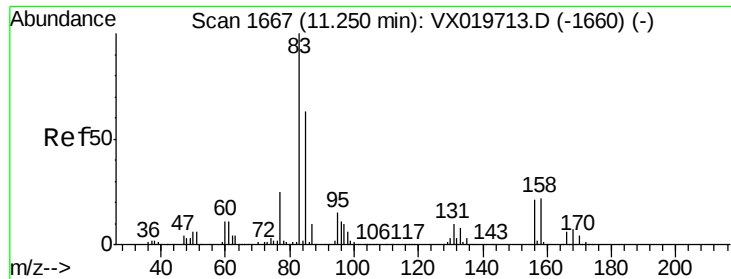
43 100

70 49.0 39.0 58.6

55 28.2 21.5 32.3

61 27.5 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.848 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

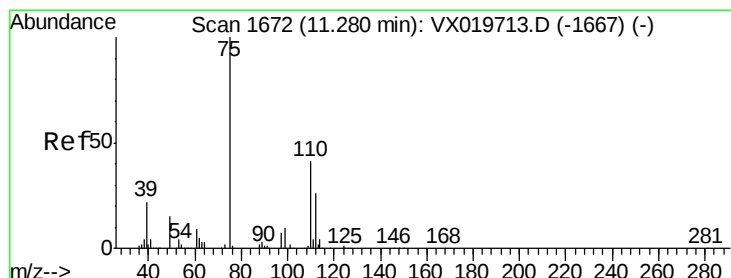
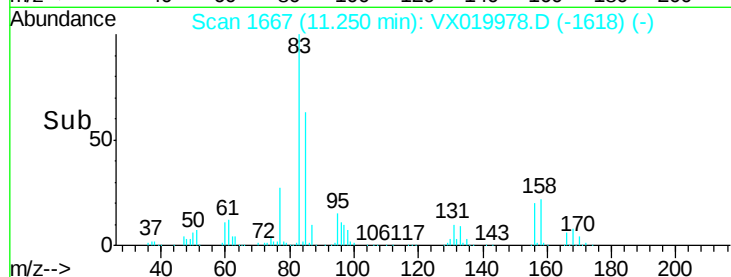
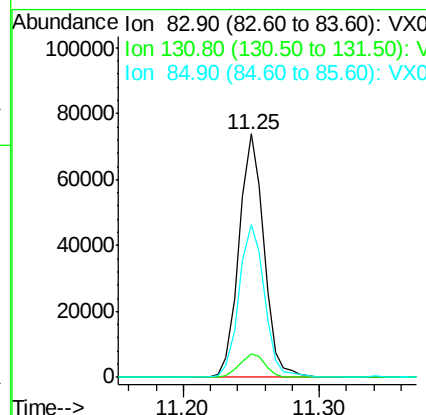
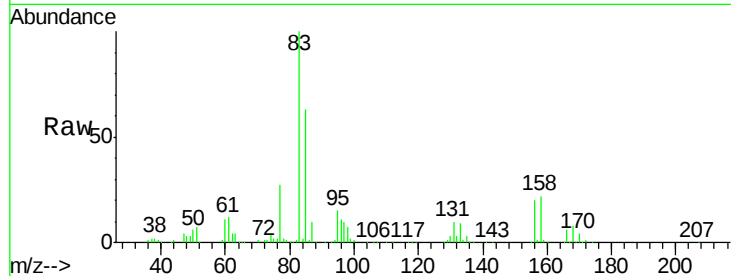
ClientSampleId :

VX1214WBS01

Tot Ion:	83	Resp:	94481
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	64.3	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.842 ug/l m

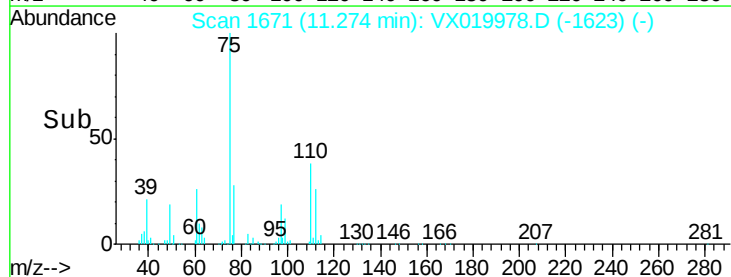
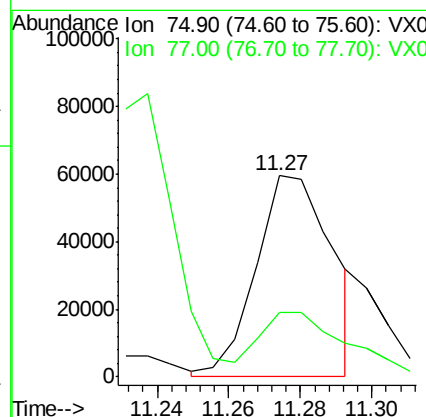
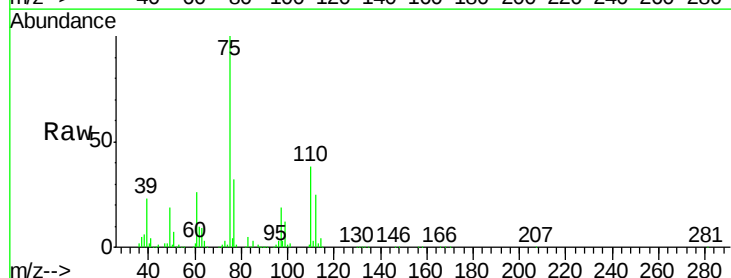
RT: 11.27 min Scan# 1671

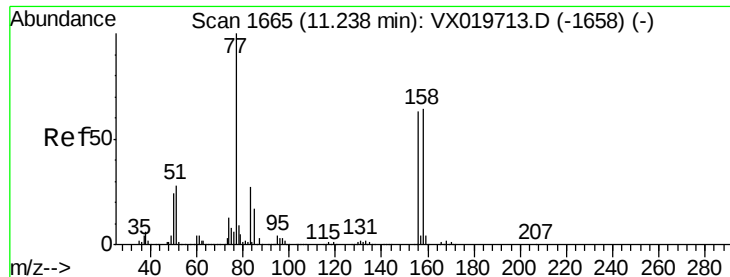
Delta R.T. -0.01 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Tgt Ion:	75	Resp:	87948
Ion Ratio	Lower	Upper	
75	100		
77	37.0	19.1	57.5





#77

Bromobenzene

Concen: 18.940 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion:156 Resp: 65444

Ion Ratio Lower Upper

156 100

77 170.7 82.8 248.6

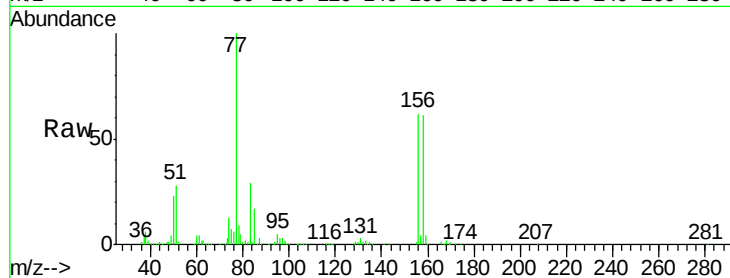
158 97.8 49.1 147.4

Manual Integrations

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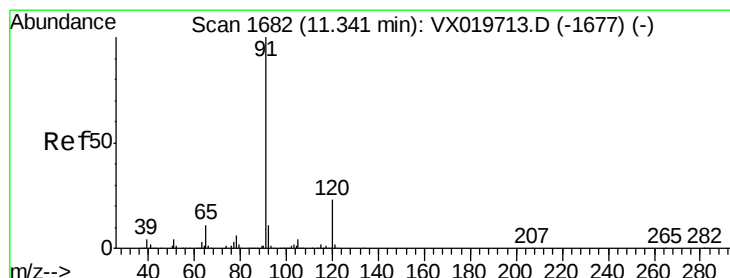
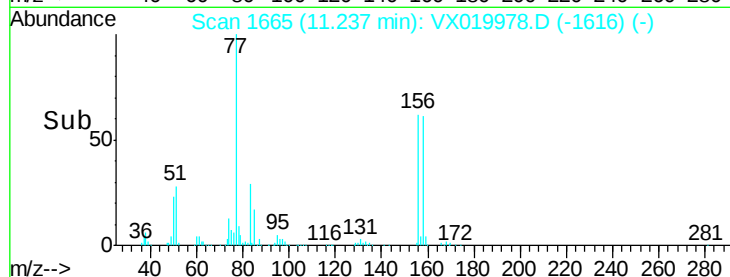
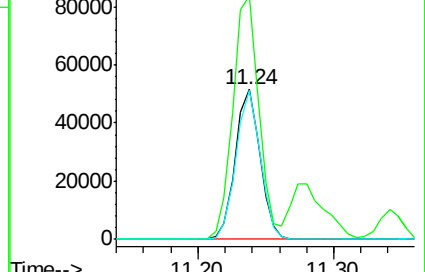
12/15/2020 5:33:45 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.829 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019978.D

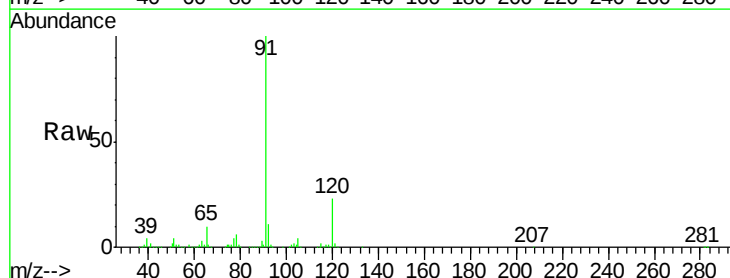
Acq: 14 Dec 2020 11:59

Tgt Ion: 91 Resp: 305788

Ion Ratio Lower Upper

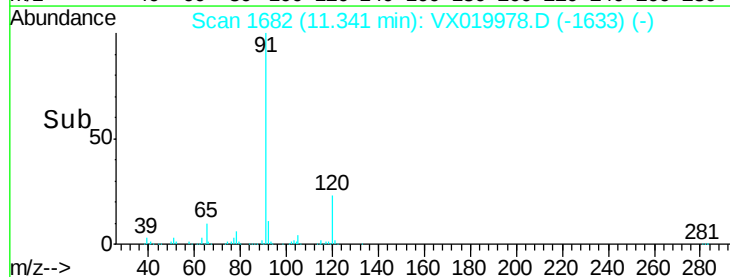
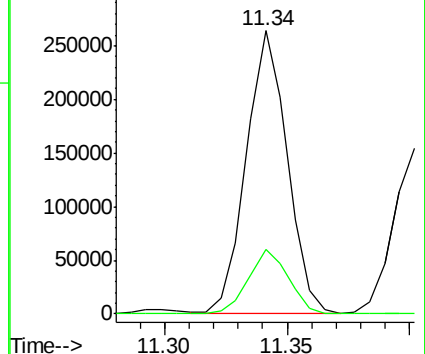
91 100

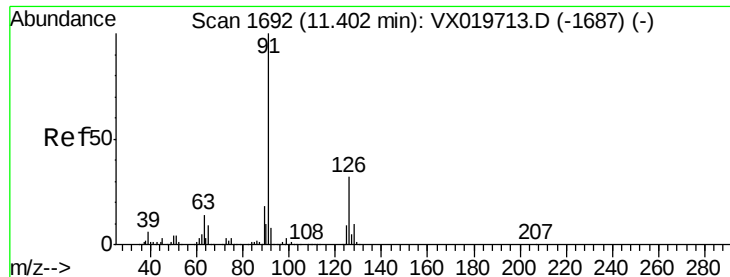
120 22.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.875 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 91 Resp: 188750

Ion Ratio Lower Upper

91 100

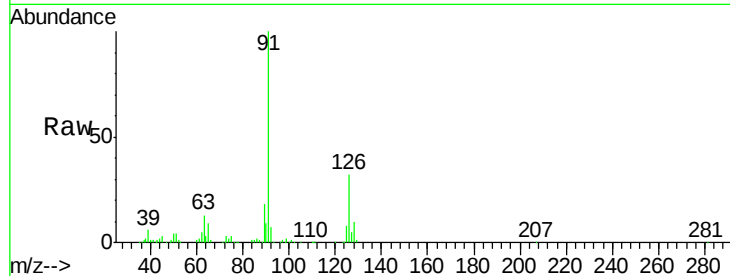
126 32.8 16.6 49.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX019713.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX019713.D (-1687) (-)

300000

250000

200000

150000

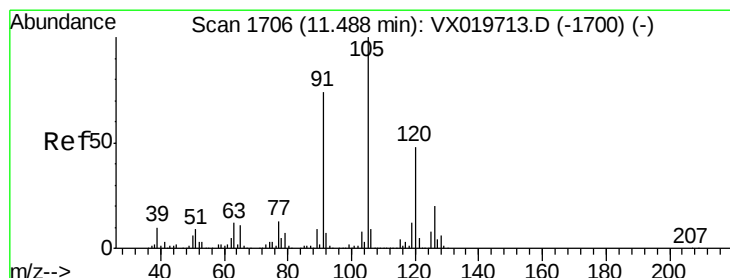
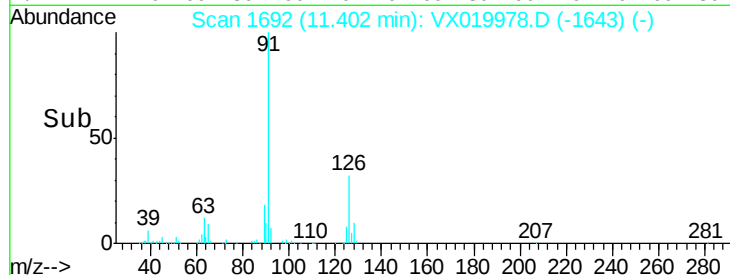
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.676 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019978.D

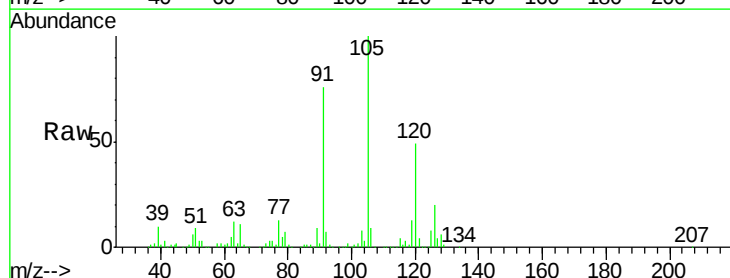
Acq: 14 Dec 2020 11:59

Tgt Ion: 105 Resp: 224218

Ion Ratio Lower Upper

105 100

120 49.2 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VX019713.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX019713.D (-1700) (-)

200000

150000

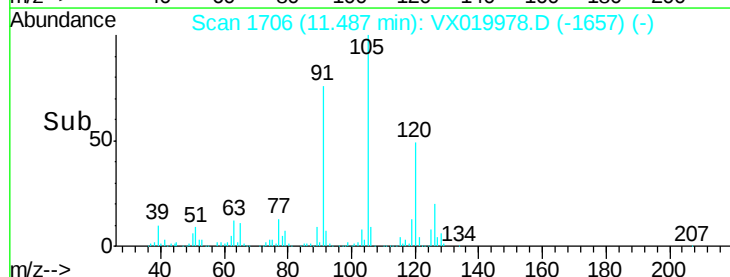
100000

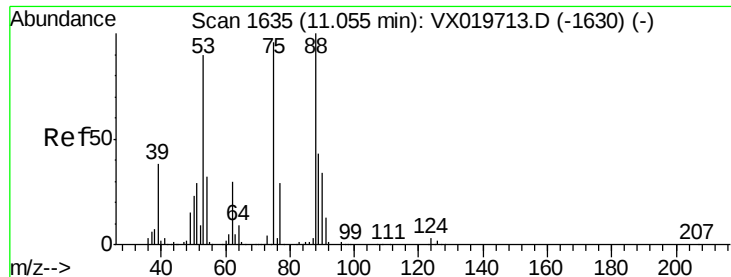
50000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.803 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion: 75 Resp: 27298

Ion Ratio Lower Upper

75 100

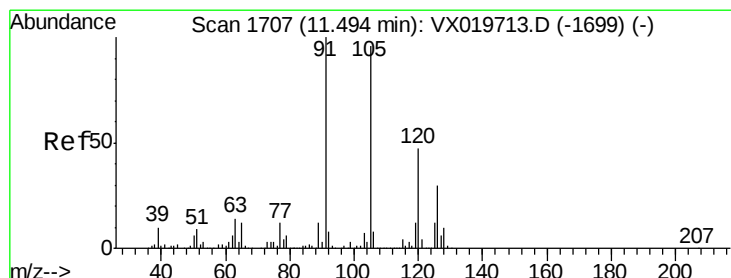
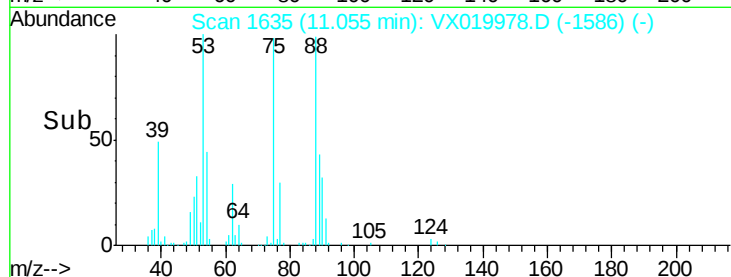
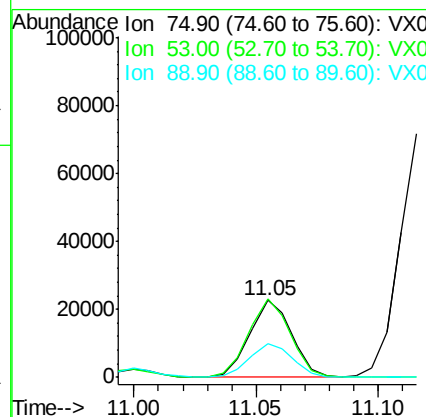
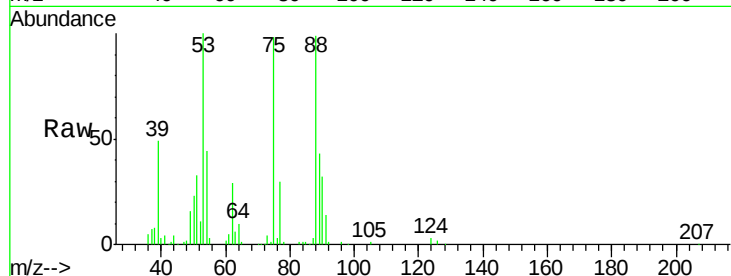
53 100.2 74.5 111.7

89 45.3 37.9 56.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.458 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019978.D

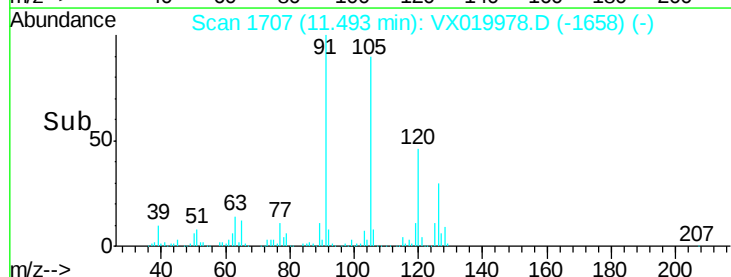
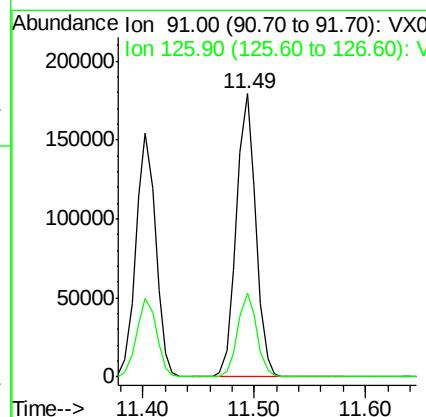
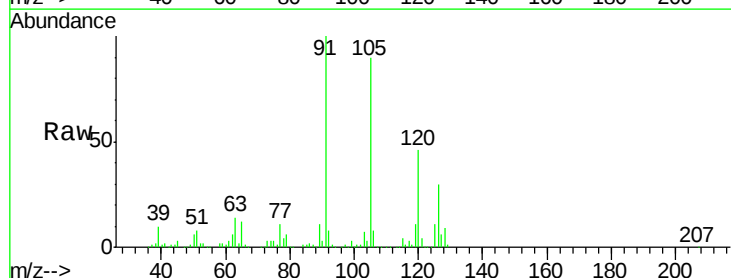
Acq: 14 Dec 2020 11:59

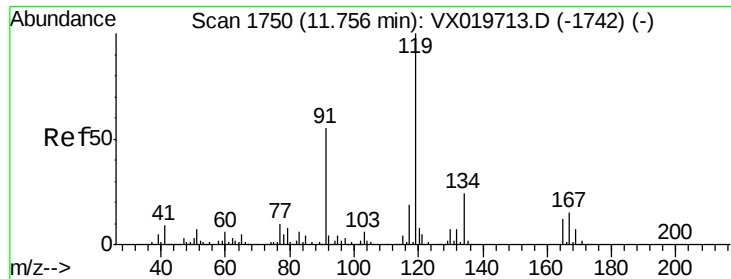
Tgt Ion: 91 Resp: 216414

Ion Ratio Lower Upper

91 100

126 29.1 14.9 44.5





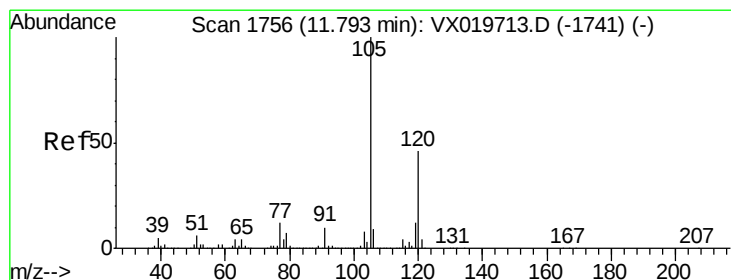
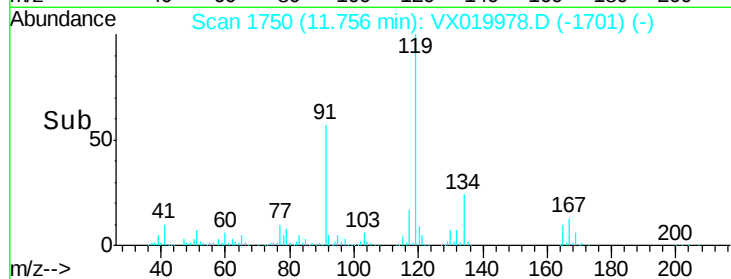
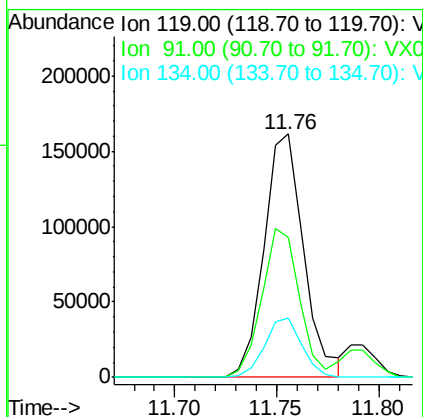
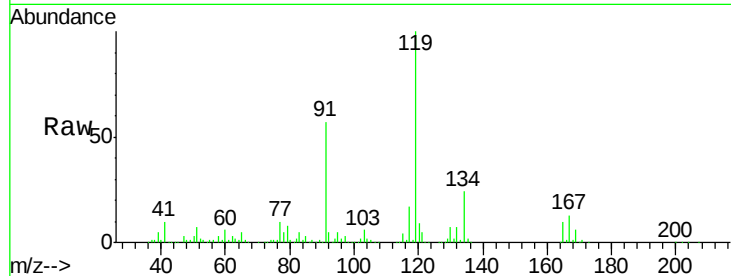
#83
tert-Butylbenzene
Concen: 19.537 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218344		
91	57.8	27.9	83.7	
134	22.9	11.3	33.9	

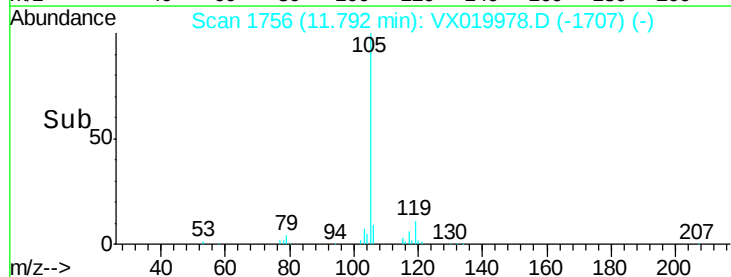
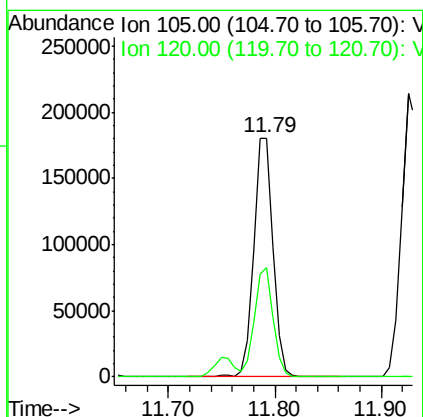
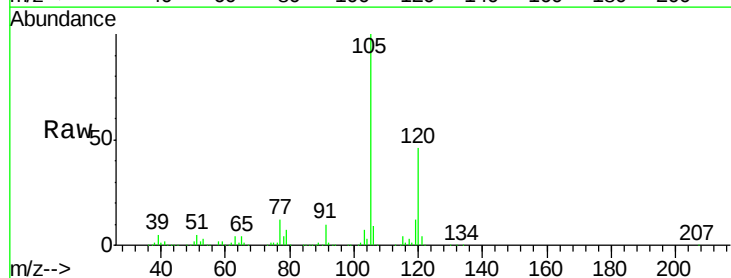
Manual Integrations
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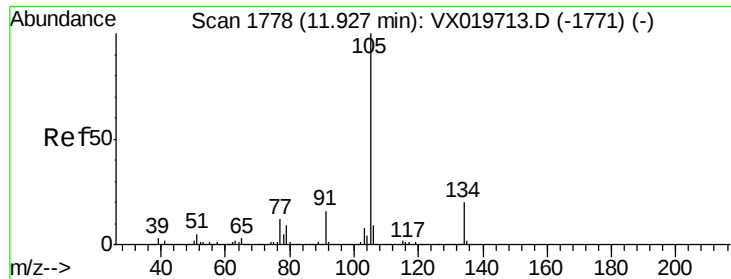
MMDadoda
12/15/2020 5:33:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.023 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229837		
120	44.1	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.277 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBS01

Tot Ion:105 Resp: 258729

Ion Ratio Lower Upper

105 100

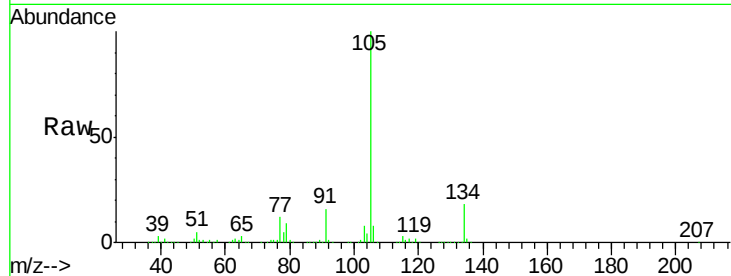
134 19.4 10.0 29.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

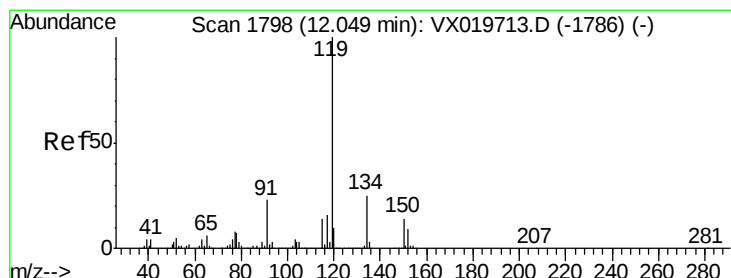
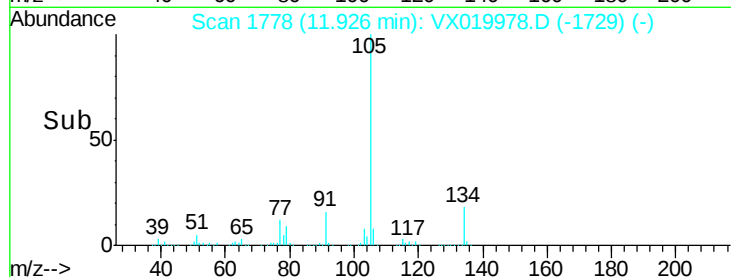
0

11.90

11.93

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.938 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

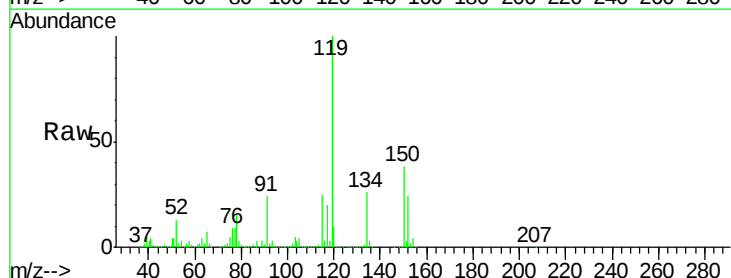
Tgt Ion:119 Resp: 233160

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.1 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

0

11.90

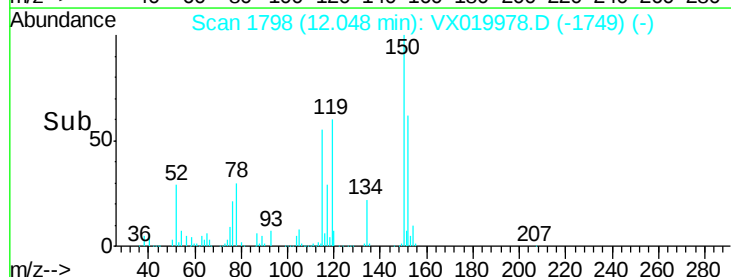
12.00

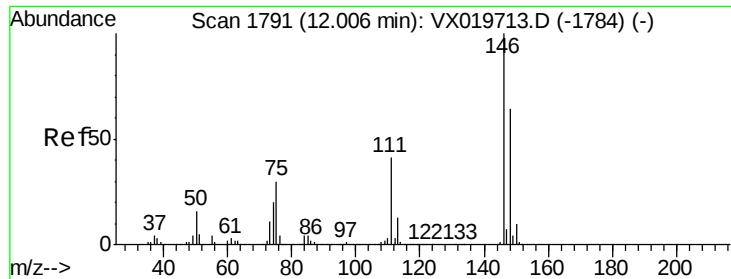
12.05

12.10

12.20

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.929 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Instrument :

MSVOA_X

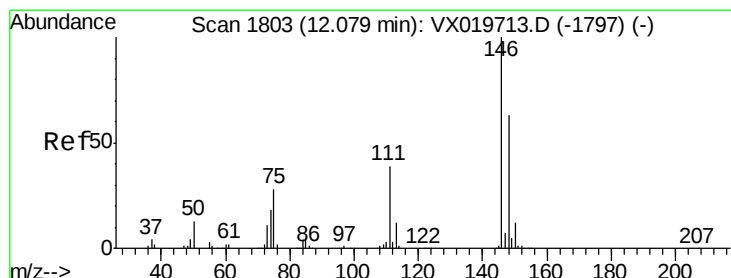
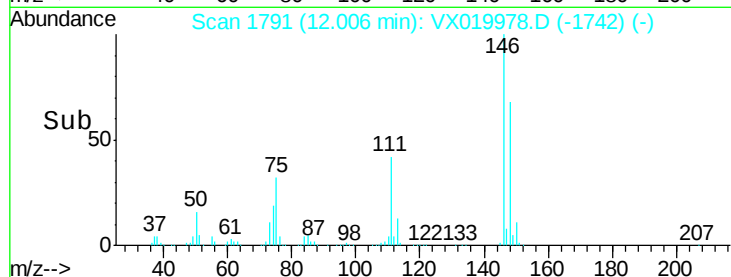
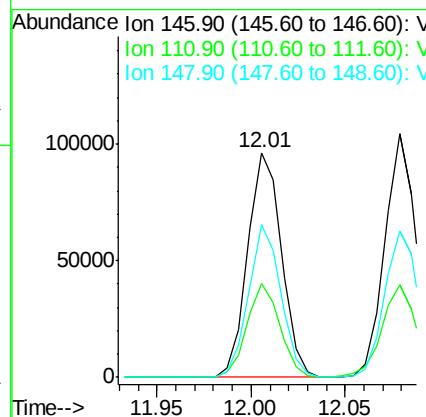
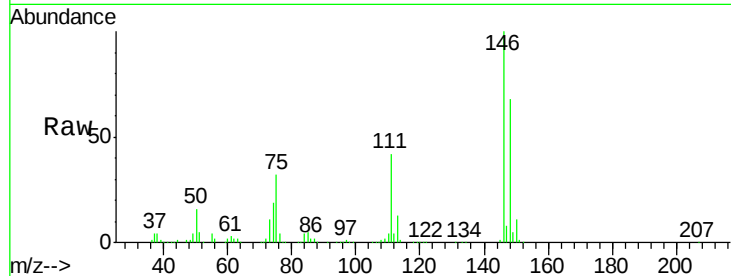
ClientSampleId :

VX1214WBS01

Tot Ion:	146	Resp:	120043
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.2	60.5
148	64.9	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.184 ug/l

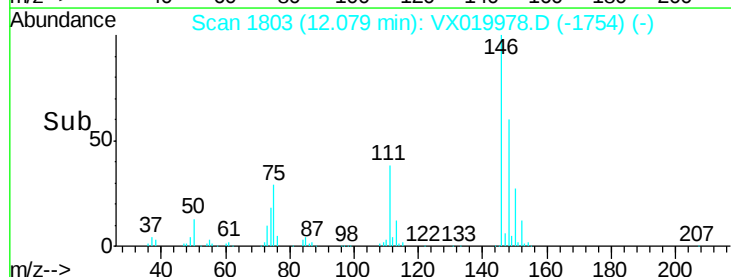
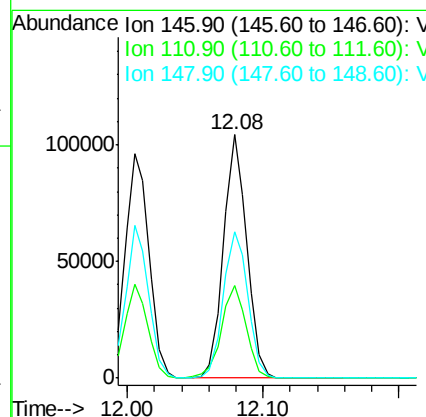
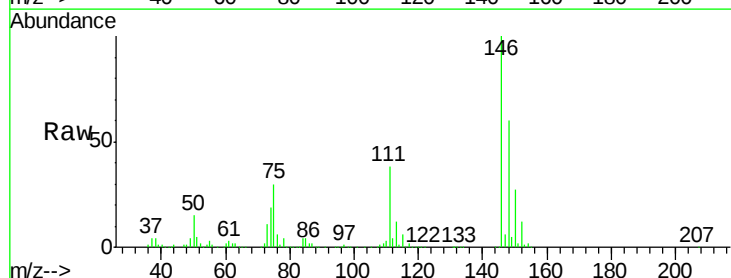
RT: 12.08 min Scan# 1803

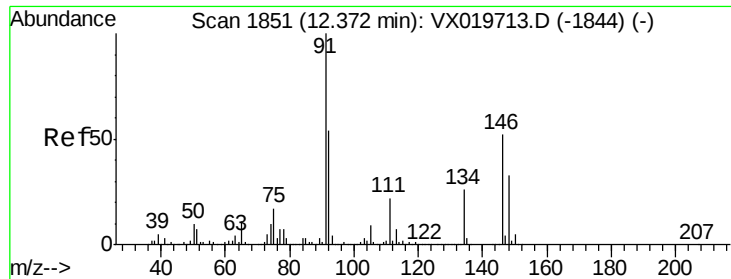
Delta R.T. -0.00 min

Lab File: VX019978.D

Acq: 14 Dec 2020 11:59

Tgt Ion:	146	Resp:	123915
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.6	58.8
148	63.1	31.6	95.0





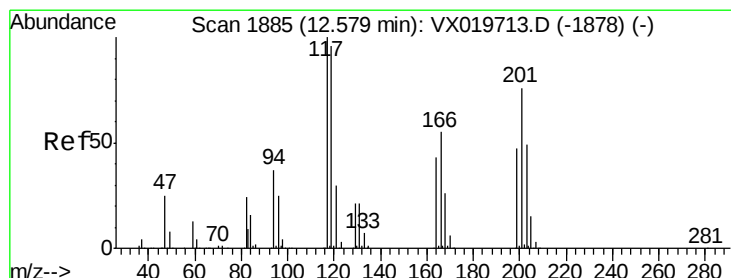
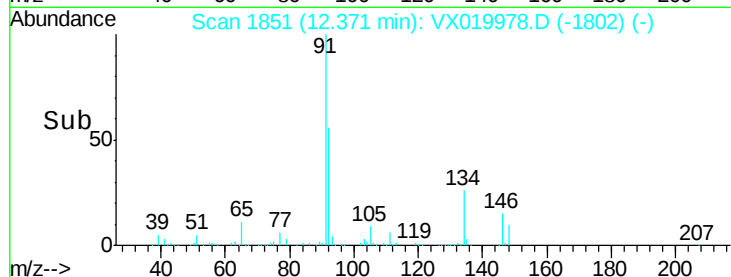
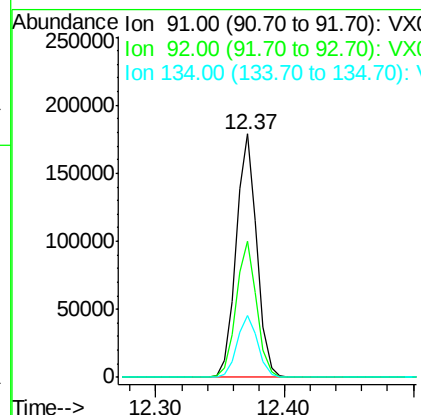
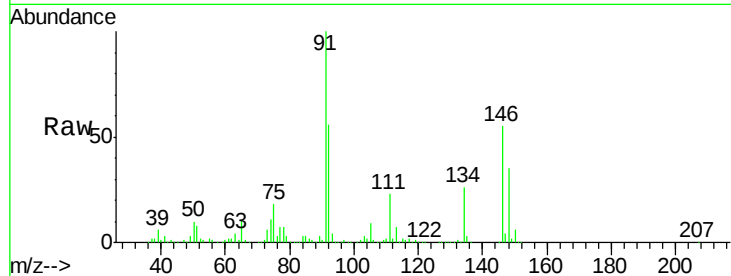
#89
n-Butylbenzene
Concen: 19.416 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	201158		
92	55.4	27.4	82.0	
134	25.5	13.2	39.5	

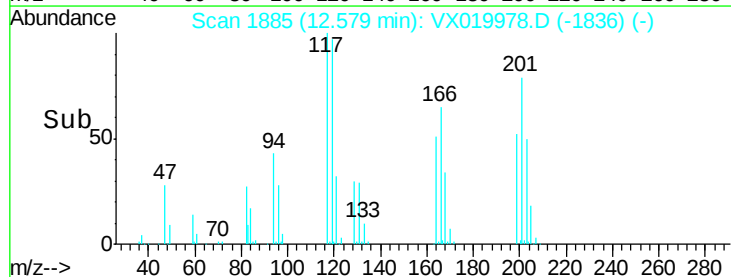
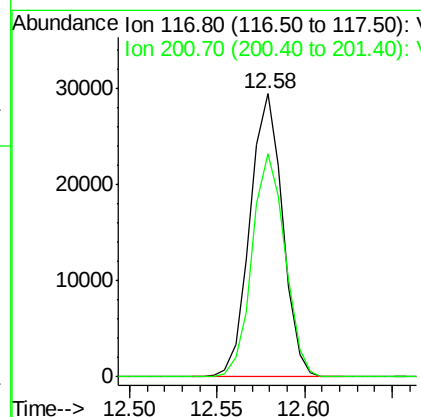
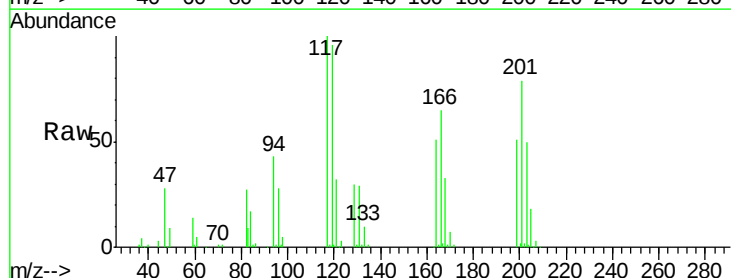
Manual Integrations
APPROVED

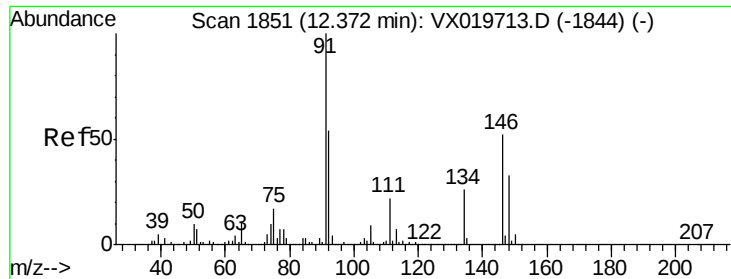
MMDadoda
12/15/2020 5:33:45 PM



#90
Hexachloroethane
Concen: 18.844 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38045		
201	79.4	40.4	121.2	





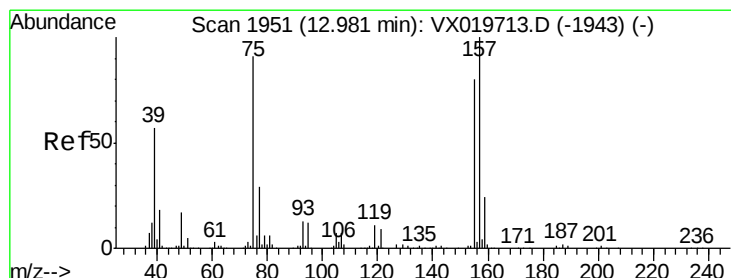
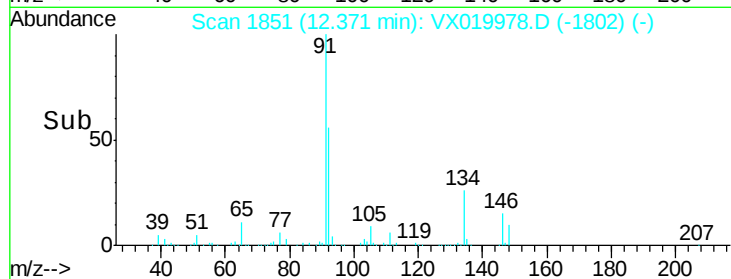
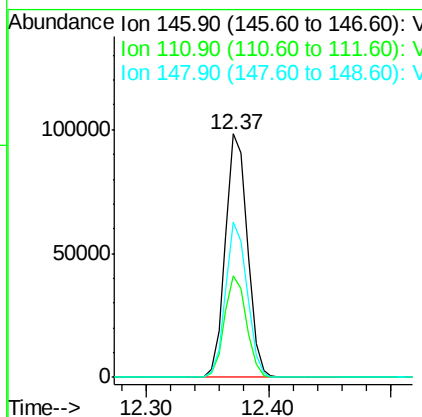
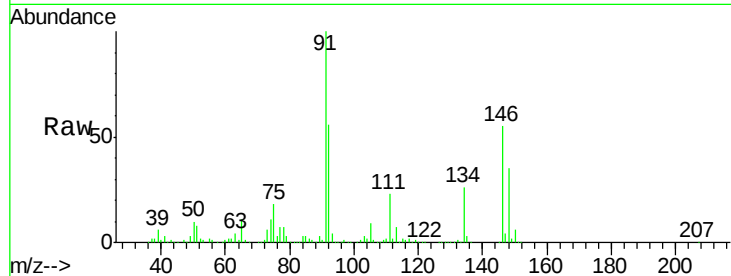
#91
 1,2-Dichlorobenzene
 Concen: 19.827 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.2
148	62.4	31.9	95.5

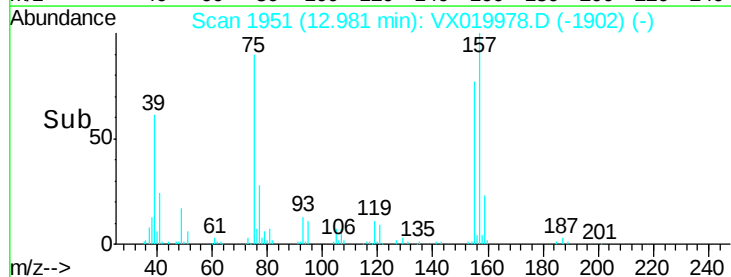
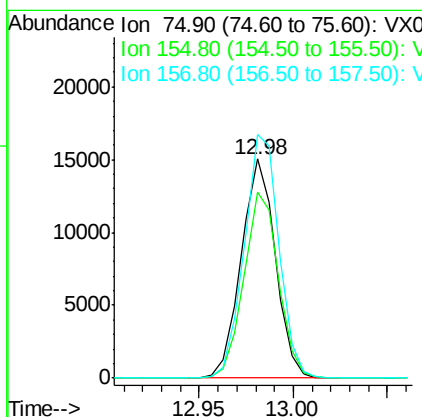
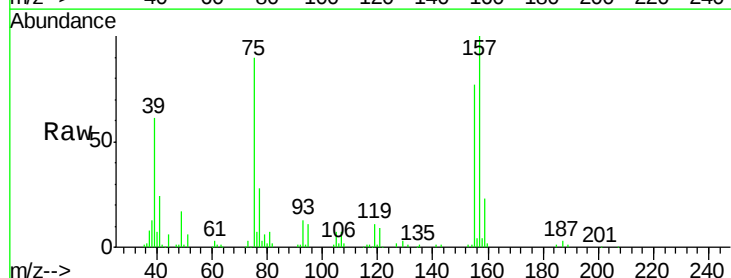
Manual Integrations
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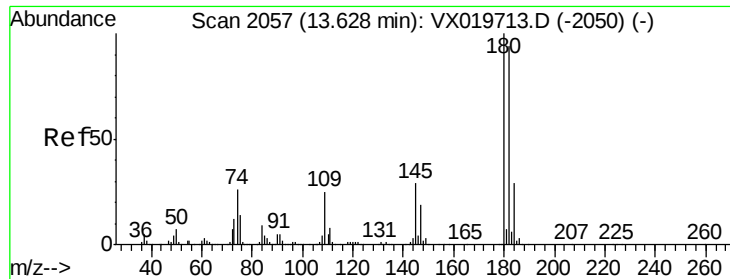
MMDadoda
 12/15/2020 5:33:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.407 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	45.3	135.9
157	113.3	57.7	173.1





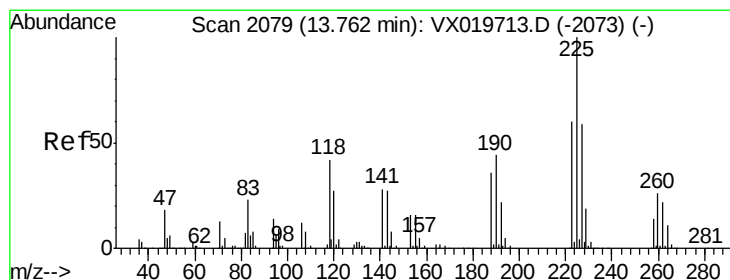
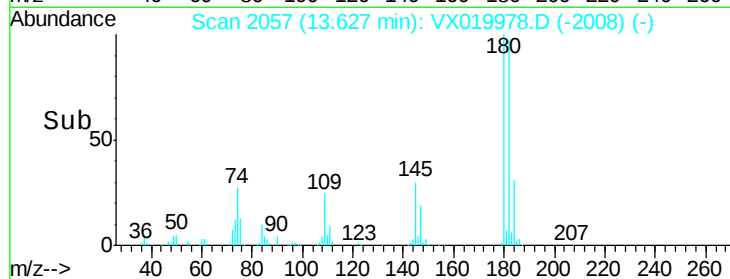
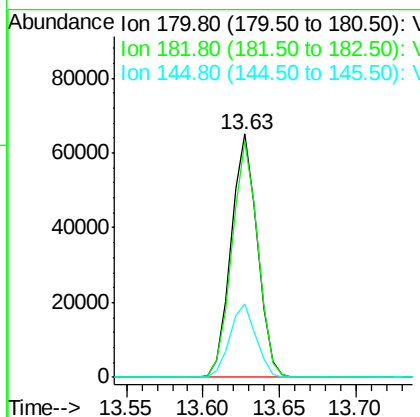
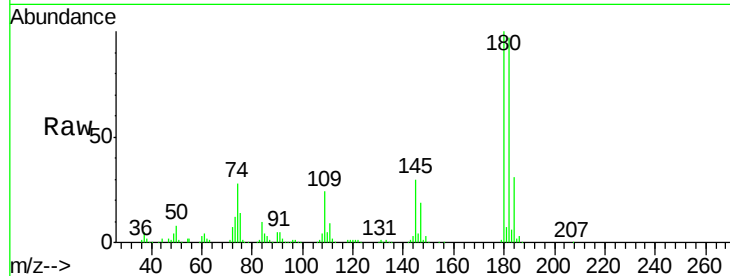
#93
 1,2,4-Trichlorobenzene
 Concen: 19.201 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.7	143.1
145	30.1	15.0	45.0

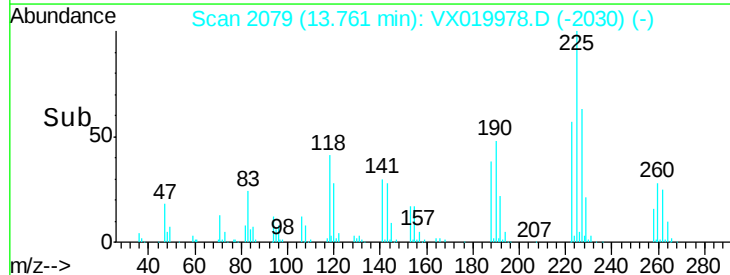
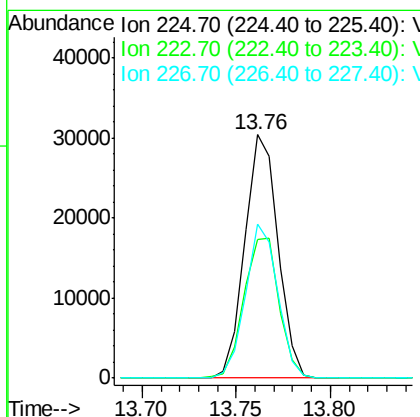
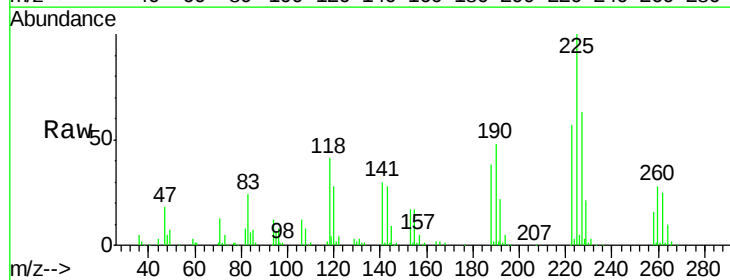
Manual Integrations
 APPROVED

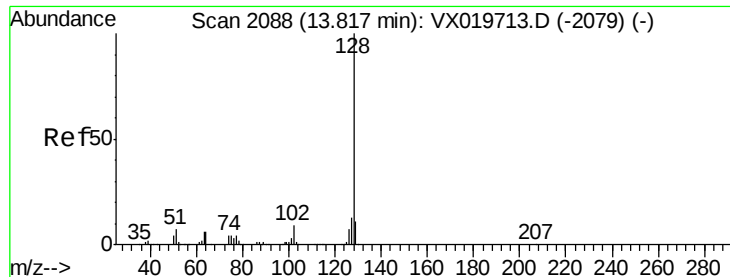
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 20.663 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX019978.D
 Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.1	93.2
227	61.2	31.6	95.0





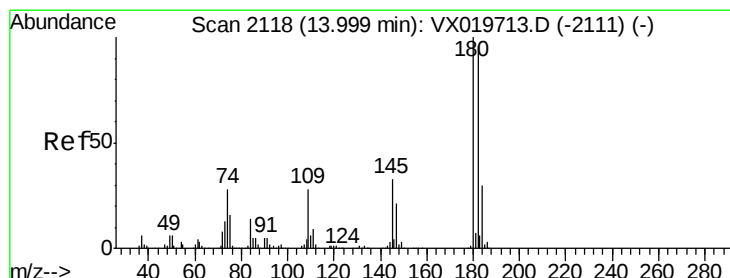
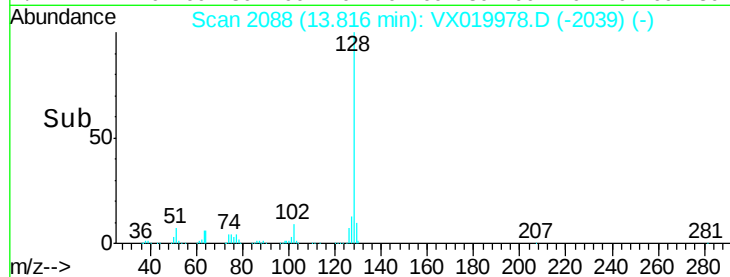
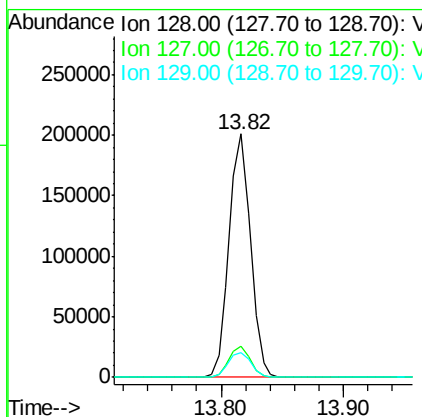
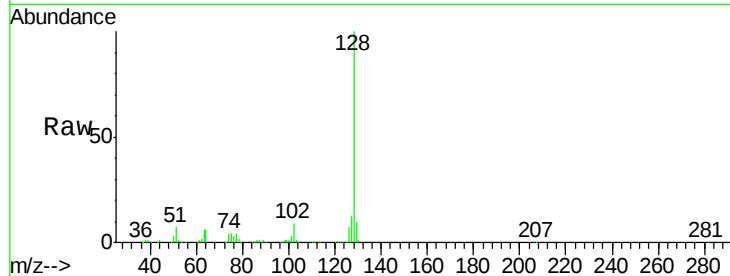
#95
Naphthalene
Concen: 18.705 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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12/15/2020 5:33:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.589 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019978.D
Acq: 14 Dec 2020 11:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	32.3	16.1	48.3

