

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121220\
 Data File : VX019928.D
 Acq On : 12 Dec 2020 13:35
 Operator : JC/MD
 Sample : VX1212WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 4:49:30 PM

Quant Time: Dec 14 05:53:55 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	282865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	452635	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	419095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	174943	47.06	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.12%
35) Dibromofluoromethane	5.46	113	141169	48.26	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.52%
50) Toluene-d8	8.70	98	550163	49.26	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.52%
62) 4-Bromofluorobenzene	11.12	95	203454	47.86	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.72%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	46372	17.906	ug/l	99
3) Chloromethane	1.31	50	52359	17.191	ug/l	98
4) Vinyl Chloride	1.39	62	58860	18.328	ug/l	99
5) Bromomethane	1.62	94	36118	33.872	ug/l	100
6) Chloroethane	1.71	64	38572	19.994	ug/l	99
7) Trichlorofluoromethane	1.92	101	83517	18.674	ug/l	99
8) Diethyl Ether	2.17	74	35794	18.886	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	49763	19.412	ug/l	99
10) Methyl Iodide	2.49	142	55840	14.778	ug/l	100
11) Tert butyl alcohol	3.01	59	70741	90.894	ug/l	99
12) 1,1-Dichloroethene	2.35	96	47117	18.180	ug/l	96
13) Acrolein	2.27	56	27280	66.478	ug/l	99
14) Allyl chloride	2.70	41	80998	18.505	ug/l	97
15) Acrylonitrile	3.11	53	165366	98.393	ug/l	99
16) Acetone	2.42	43	145561	104.167	ug/l	100
17) Carbon Disulfide	2.55	76	117428	15.791	ug/l	99
18) Methyl Acetate	2.74	43	72334	21.153	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	182041	19.287	ug/l	100
20) Methylene Chloride	2.83	84	62605	18.735	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	56244	18.615	ug/l	98
22) Diisopropyl ether	3.82	45	177868	20.099	ug/l	96
23) Vinyl Acetate	3.78	43	733626	97.303	ug/l	100
24) 1,1-Dichloroethane	3.67	63	103483	19.391	ug/l	100
25) 2-Butanone	4.63	43	215847	100.524	ug/l	100
26) 2,2-Dichloropropane	4.55	77	84758	18.443	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	65941	18.649	ug/l	99
28) Bromochloromethane	4.98	49	48411	19.029	ug/l	98
29) Tetrahydrofuran	5.08	42	134763	97.413	ug/l	98
30) Chloroform	5.17	83	107242	19.543	ug/l	99
31) Cyclohexane	5.54	56	86181	18.636	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	89699	18.982	ug/l	99
36) 1,1-Dichloropropene	5.76	75	76142	18.616	ug/l	100
37) Ethyl Acetate	4.79	43	79578	19.270	ug/l	99
38) Carbon Tetrachloride	5.75	117	75899	18.950	ug/l	99

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Manual Integrations
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 12/15/2020 4:49:30 PM

Quant Time: Dec 14 05:53:55 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	7.44	83	90052	18.740	ug/l	95
40) Benzene	6.10	78	241655	19.341	ug/l	100
41) Methacrylonitrile	4.99	41	43628	19.241	ug/l	98
42) 1,2-Dichloroethane	6.15	62	84102	19.701	ug/l	100
43) Isopropyl Acetate	6.41	43	127489	18.988	ug/l	100
44) Trichloroethene	7.18	130	62184	18.969	ug/l	97
45) 1,2-Dichloropropane	7.49	63	61820	19.797	ug/l	97
46) Dibromomethane	7.63	93	40738	19.318	ug/l	98
47) Bromodichloromethane	7.87	83	79989	19.116	ug/l	99
48) Methyl methacrylate	7.74	41	62330	18.876	ug/l	99
49) 1,4-Dioxane	7.71	88	30019	375.280	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	408751	99.716	ug/l	100
52) Toluene	8.76	92	150374	19.243	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	85561	18.426	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	94874	18.807	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	62408	19.818	ug/l	99
56) Ethyl methacrylate	9.16	69	90195	18.931	ug/l	99
57) 1,3-Dichloropropane	9.35	76	106025	19.718	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	248465	98.440	ug/l	99
59) 2-Hexanone	9.47	43	313233	98.582	ug/l	98
60) Dibromochloromethane	9.56	129	61194	19.126	ug/l	99
61) 1,2-Dibromoethane	9.65	107	64947	19.422	ug/l	99
64) Tetrachloroethene	9.32	164	58302	20.744	ug/l	98
65) Chlorobenzene	10.12	112	158163	18.943	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	58070	19.323	ug/l	99
67) Ethyl Benzene	10.23	91	282874	19.086	ug/l	98
68) m/p-Xylenes	10.34	106	210942	37.771	ug/l	98
69) o-Xylene	10.68	106	100531	18.713	ug/l	98
70) Styrene	10.69	104	169897	18.737	ug/l	99
71) Bromoform	10.84	173	42823	18.114	ug/l #	100
73) Isopropylbenzene	11.00	105	278383	20.190	ug/l	99
74) N-amyl acetate	10.88	43	102456	18.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	97586	20.075	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	90536m	20.002	ug/l	
77) Bromobenzene	11.24	156	69563	19.715	ug/l	99
78) n-propylbenzene	11.34	91	318481	20.224	ug/l	99
79) 2-Chlorotoluene	11.40	91	192606	19.861	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	233084	20.030	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	27792	17.750	ug/l	94
82) 4-Chlorotoluene	11.49	91	225544	19.858	ug/l	98
83) tert-Butylbenzene	11.76	119	221254	19.387	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	236275	20.157	ug/l	100
85) sec-Butylbenzene	11.93	105	265731	20.394	ug/l	100
86) p-Isopropyltoluene	12.05	119	241229	20.200	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	123913	19.134	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	124778	18.917	ug/l	98
89) n-Butylbenzene	12.37	91	208472	19.704	ug/l	99
90) Hexachloroethane	12.58	117	38879	18.858	ug/l	97
91) 1,2-Dichlorobenzene	12.37	146	125182	19.829	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	19535	18.693	ug/l	97

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Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

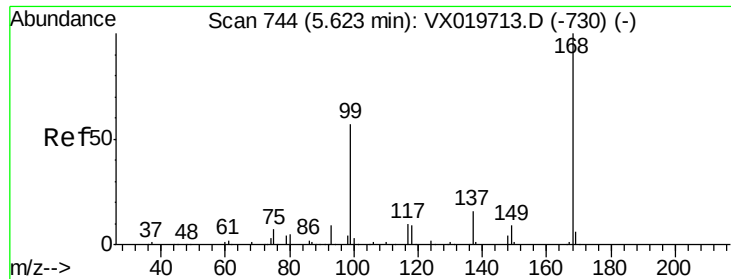
Manual Integrations
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12/15/2020 4:49:30 PM

Quant Time: Dec 14 05:53:55 2020
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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	81165	19.750	ug/l	99
94) Hexachlorobutadiene	13.76	225	36838	20.056	ug/l	99
95) Naphthalene	13.82	128	256966	19.287	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	80133	19.952	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion:168 Resp: 282865

Ion Ratio Lower Upper

168 100

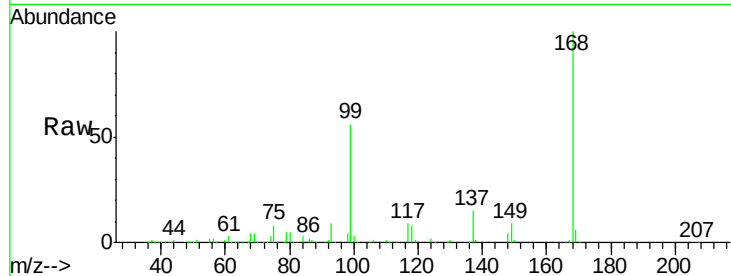
99 56.3 45.8 68.6

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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

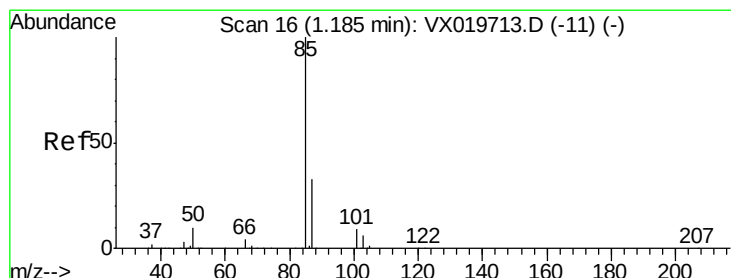
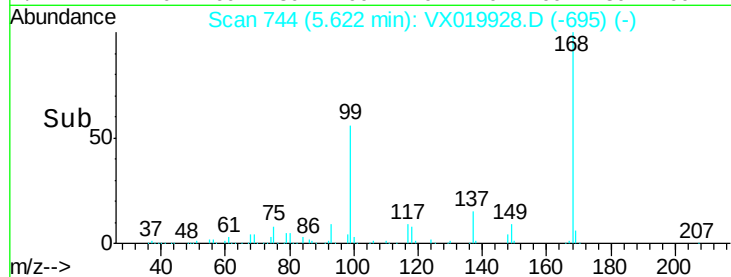
0

5.50

5.60

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.906 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019928.D

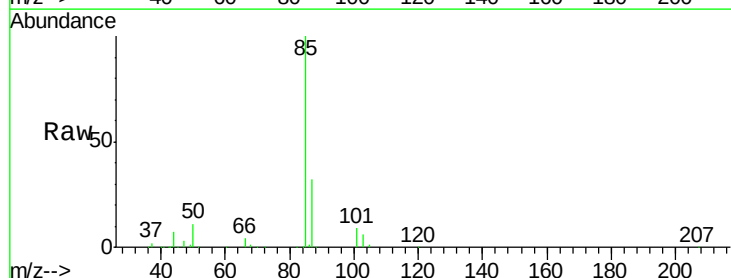
Acq: 12 Dec 2020 13:35

Tgt Ion: 85 Resp: 46372

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

30000

20000

10000

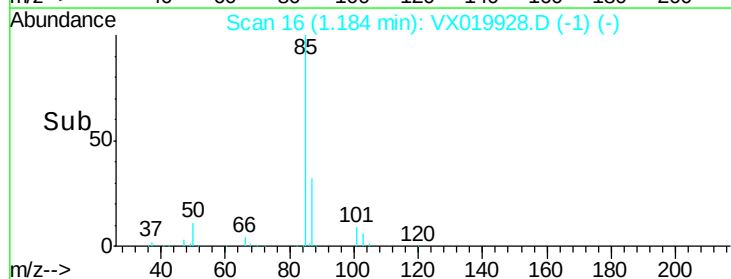
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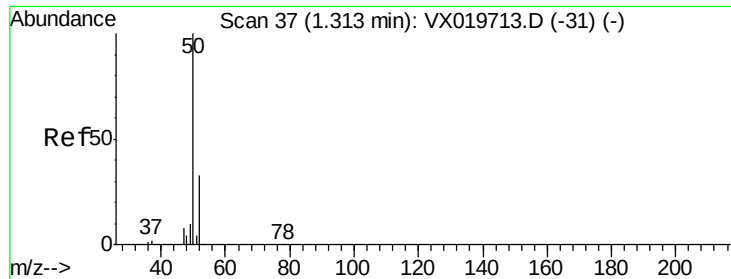
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 17.191 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 50 Resp: 52359

Ion Ratio Lower Upper

50 100

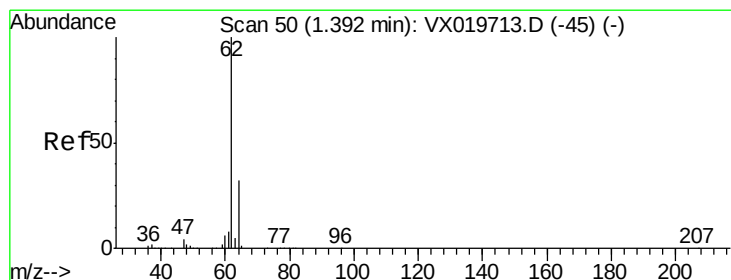
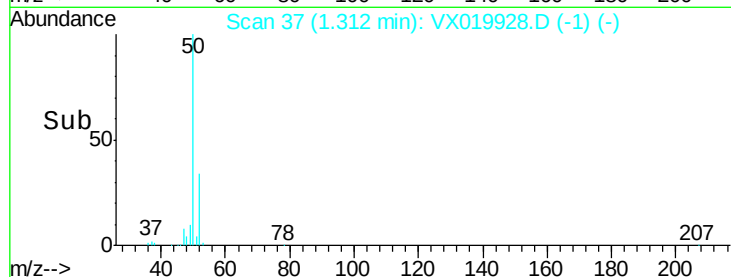
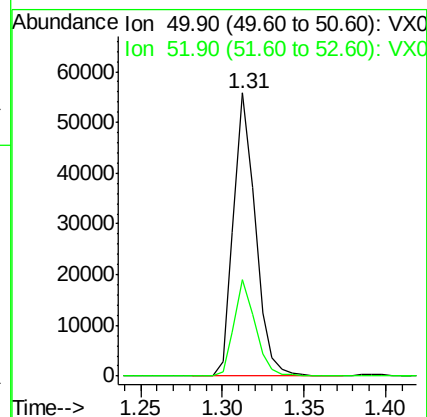
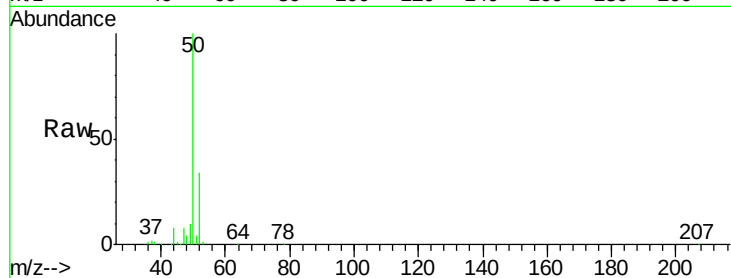
52 33.9 26.4 39.6

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#4

Vinyl Chloride

Concen: 18.328 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019928.D

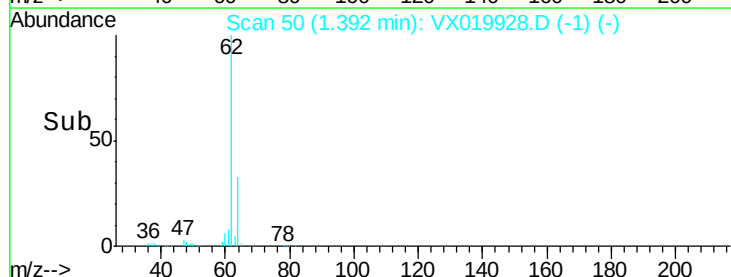
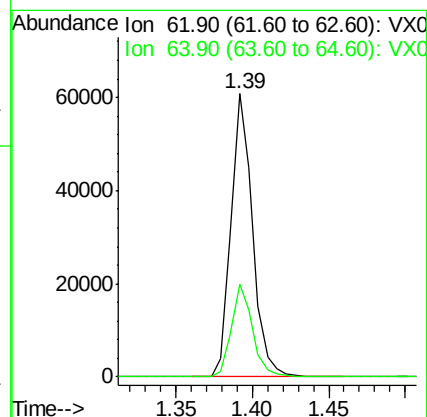
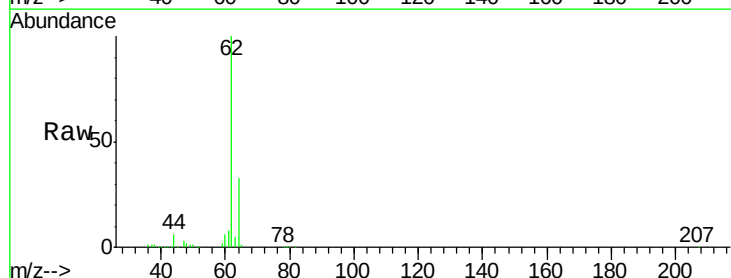
Acq: 12 Dec 2020 13:35

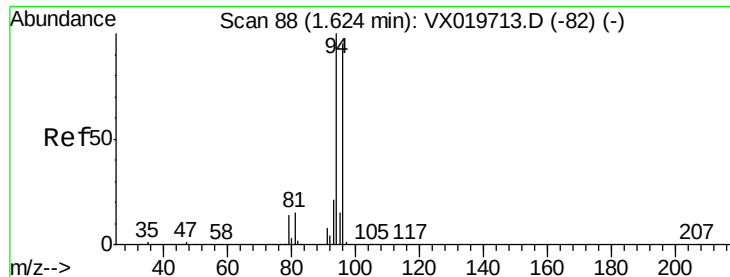
Tgt Ion: 62 Resp: 58860

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 33.872 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 94 Resp: 36118

Ion Ratio Lower Upper

94 100

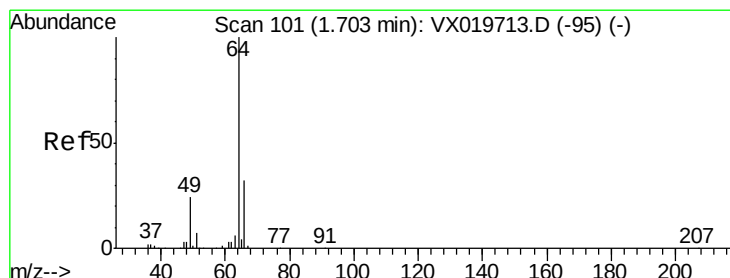
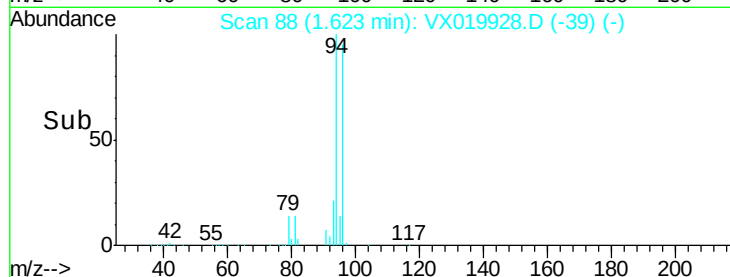
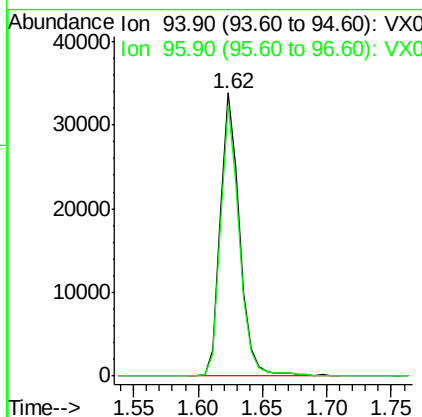
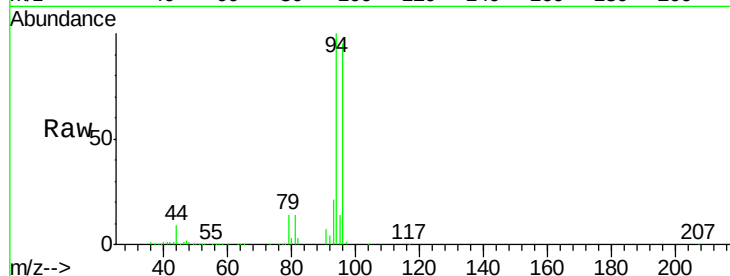
96 95.2 76.4 114.6

Manual Integrations

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#6

Chloroethane

Concen: 19.994 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX019928.D

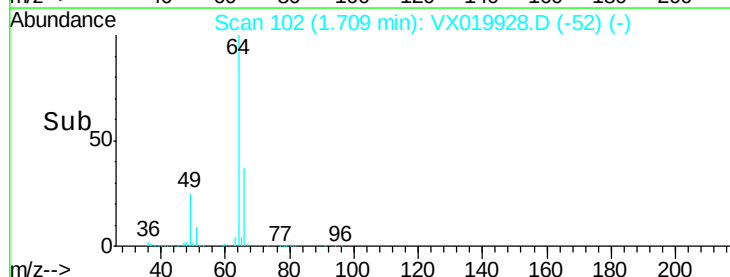
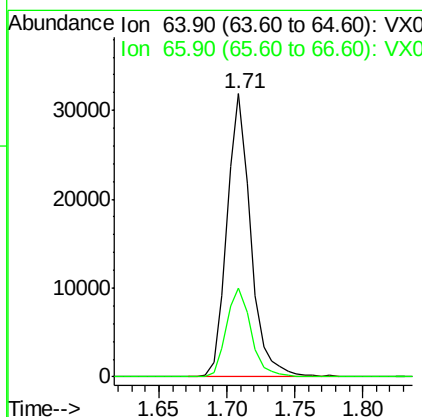
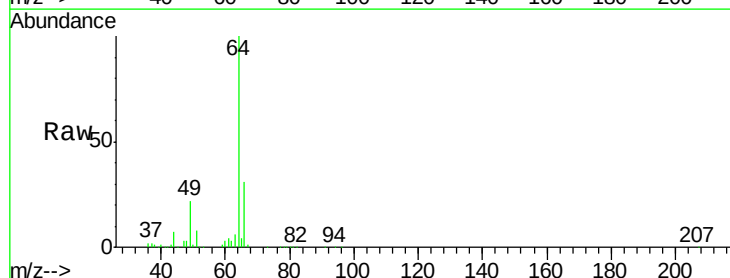
Acq: 12 Dec 2020 13:35

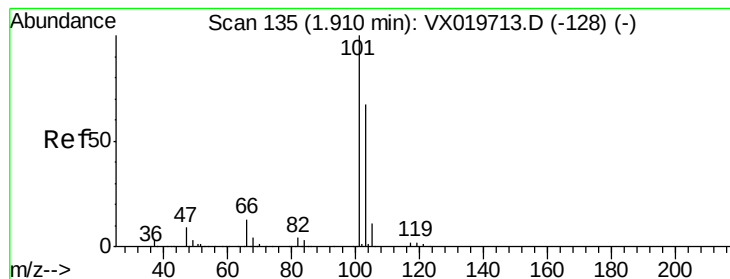
Tgt Ion: 64 Resp: 38572

Ion Ratio Lower Upper

64 100

66 31.3 25.4 38.0





#7

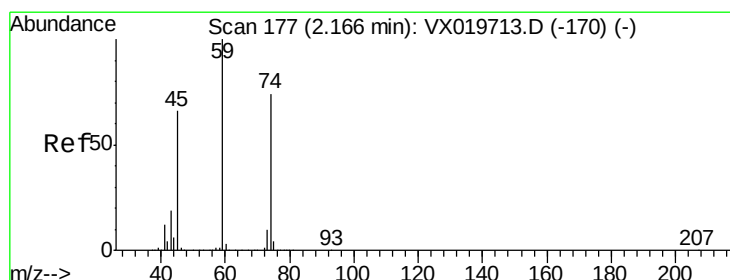
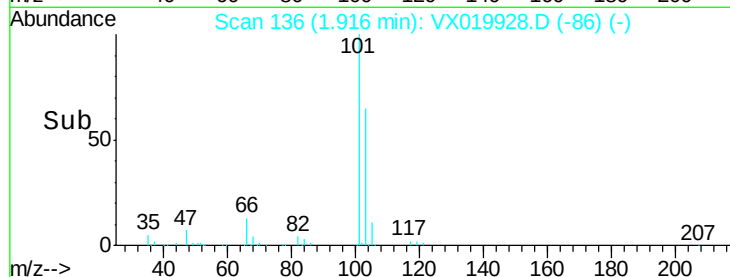
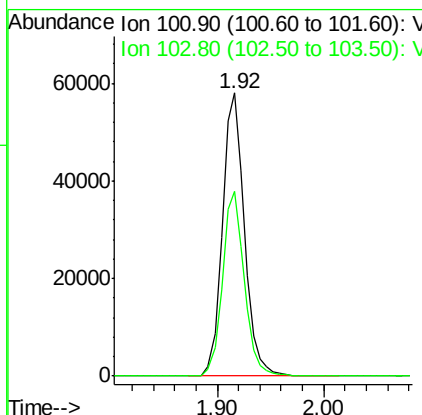
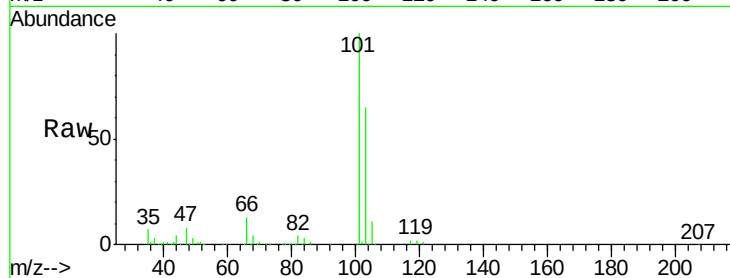
Trichlorofluoromethane
Concen: 18.674 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
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ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.2	79.8

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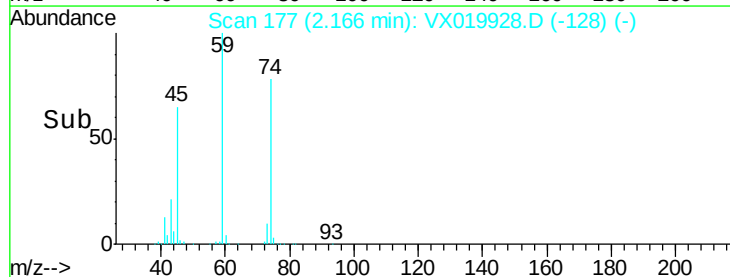
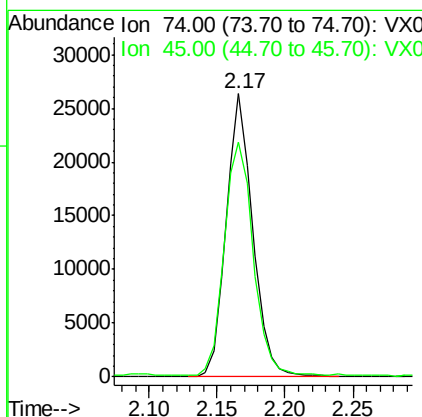
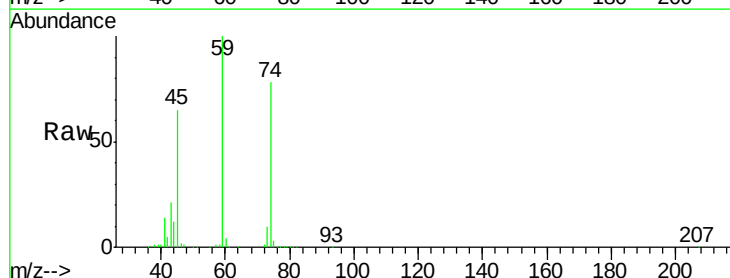
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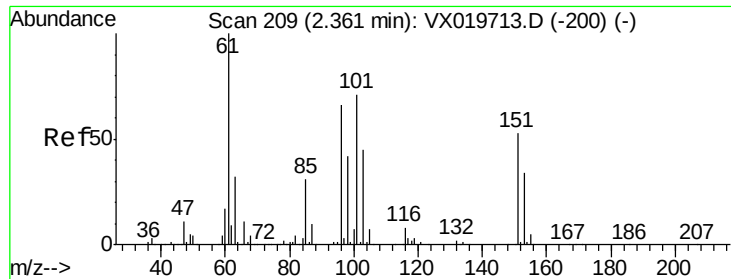


#8

Diethyl Ether
Concen: 18.886 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.4	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.412 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

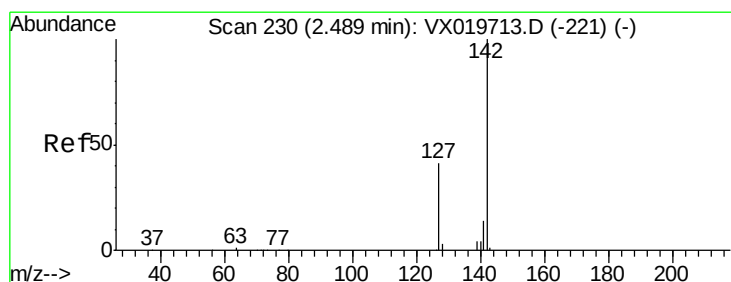
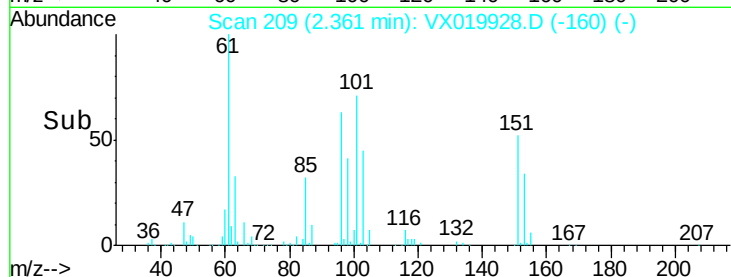
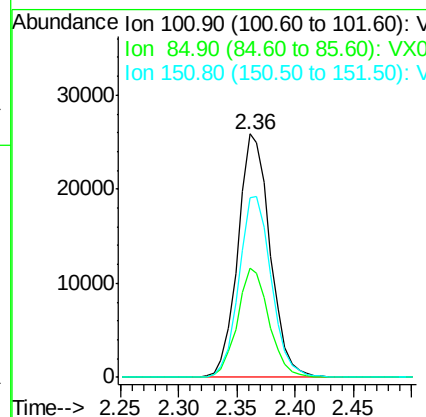
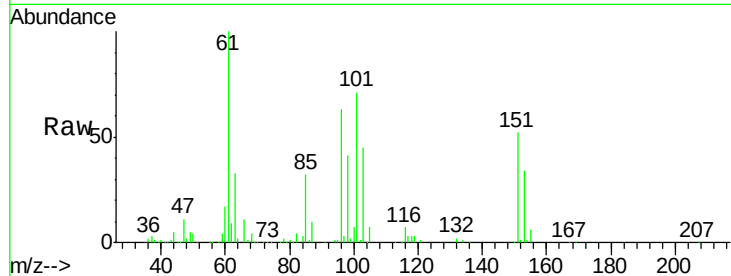
ClientSampleId :

VX1212WBS01

Tot Ion:	101	Resp:	49763
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.9	52.3
151	75.2	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 14.778 ug/l

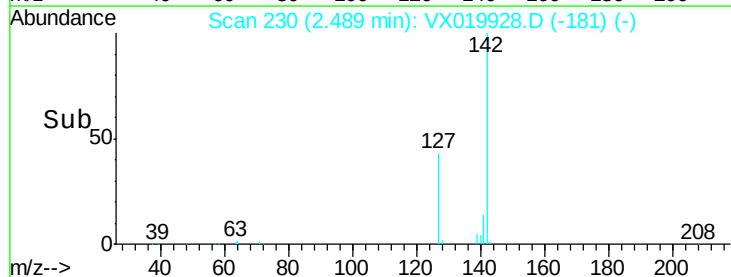
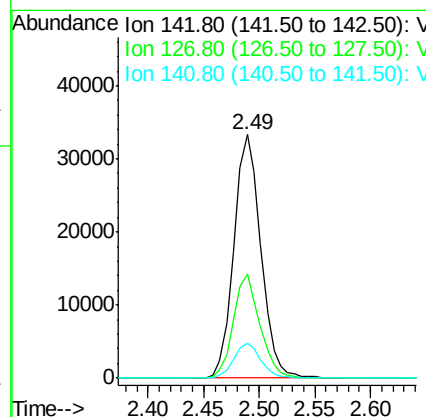
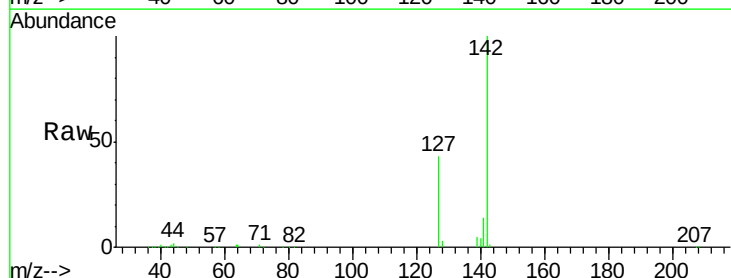
RT: 2.49 min Scan# 230

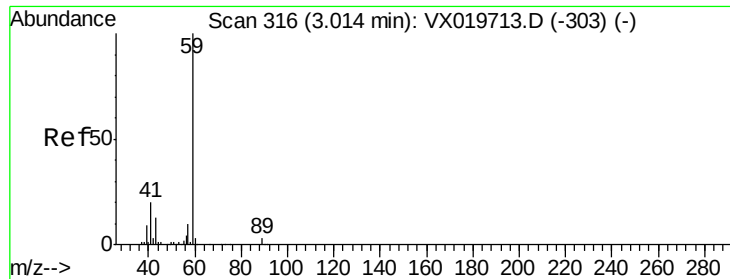
Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Tgt Ion:	142	Resp:	55840
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.3	49.9
141	14.2	11.4	17.0





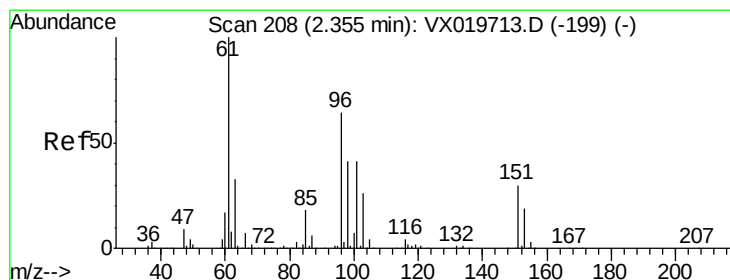
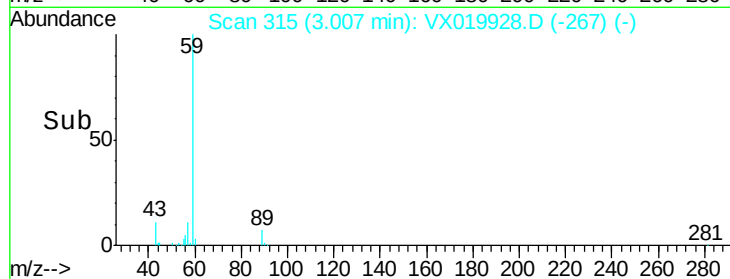
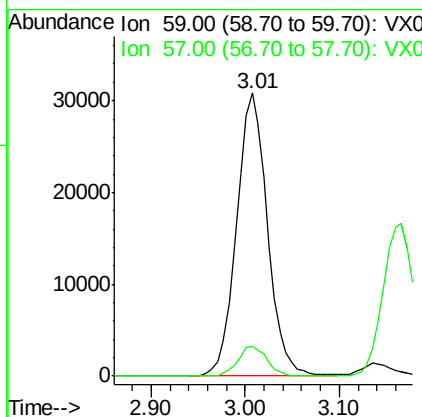
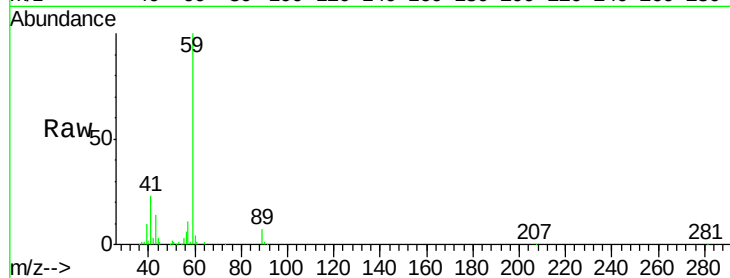
#11
Tert butyl alcohol
Concen: 90.894 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	59	Resp	70741
Ion Ratio	100	Lower	Upper
57	10.1	7.8	11.8

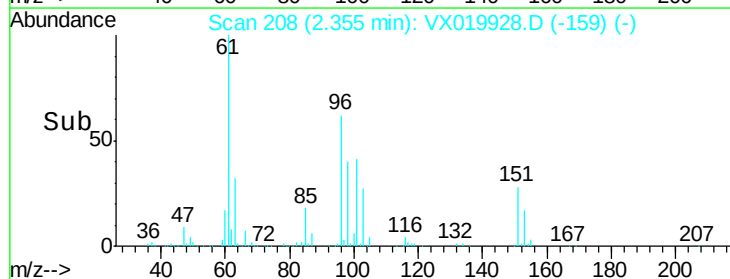
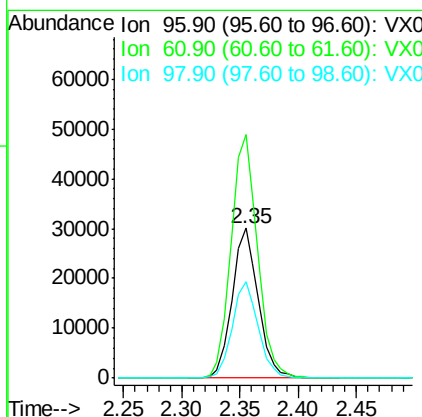
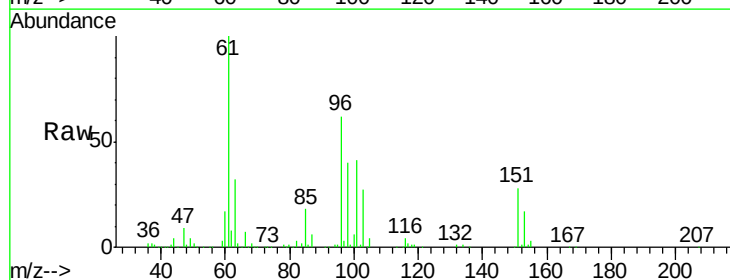
Manual Integrations
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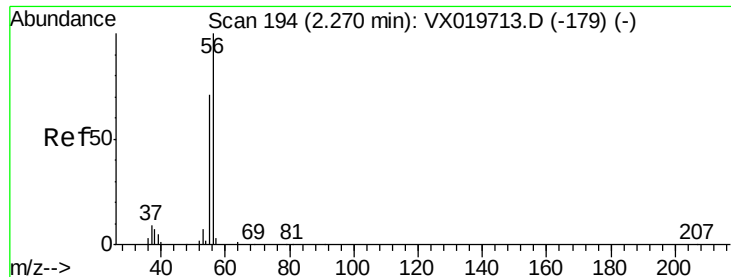
MMDadoda
12/15/2020 4:49:30 PM



#12
1,1-Dichloroethene
Concen: 18.180 ug/l
RT: 2.35 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	96	Resp	47117
Ion Ratio	100	Lower	Upper
61	162.2	124.6	187.0
98	64.2	50.6	76.0





#13

Acrolein

Concen: 66.478 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 56 Resp: 27280

Ion Ratio Lower Upper

56 100

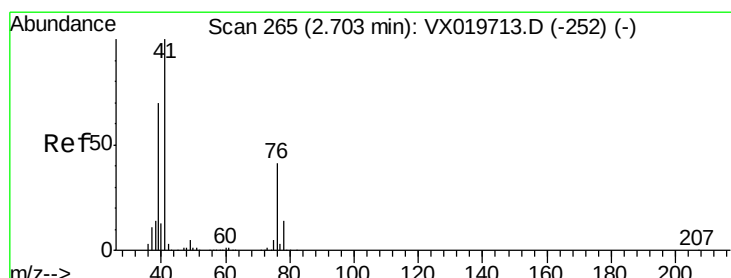
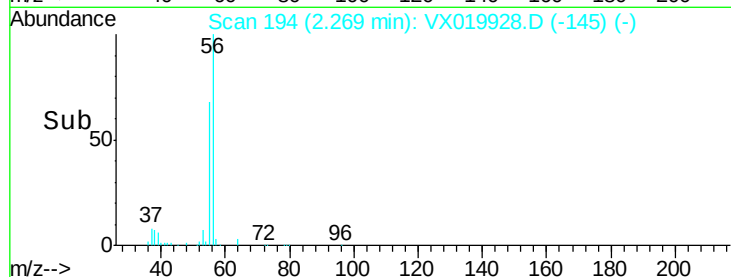
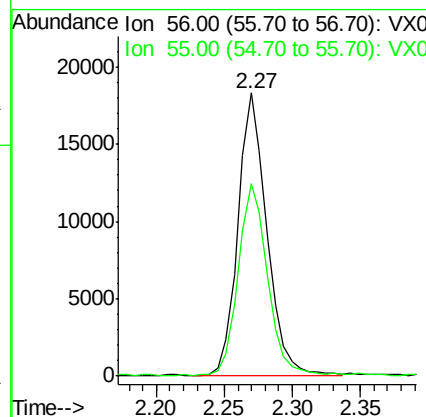
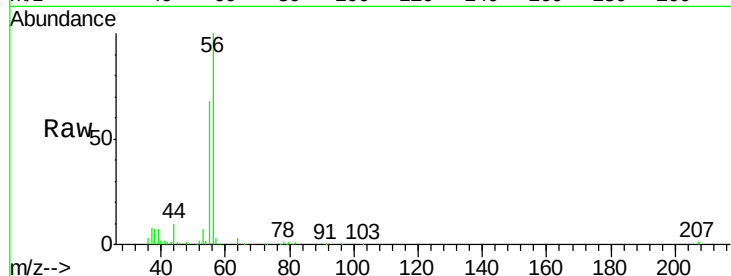
55 69.6 56.4 84.6

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#14

Allyl chloride

Concen: 18.505 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

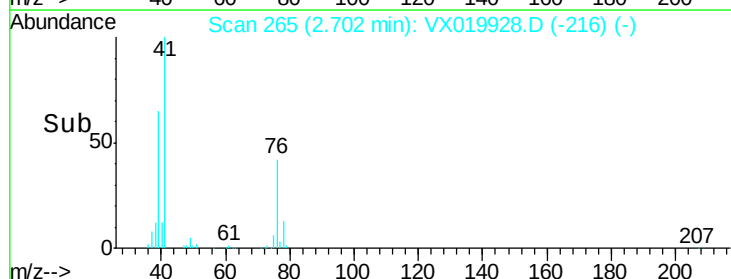
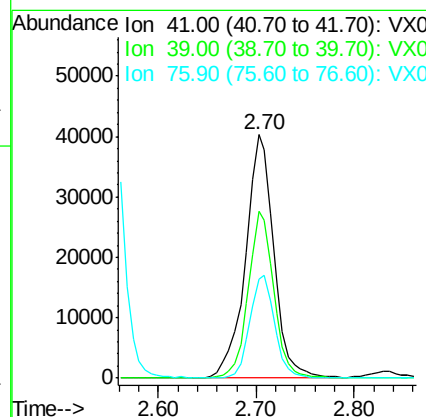
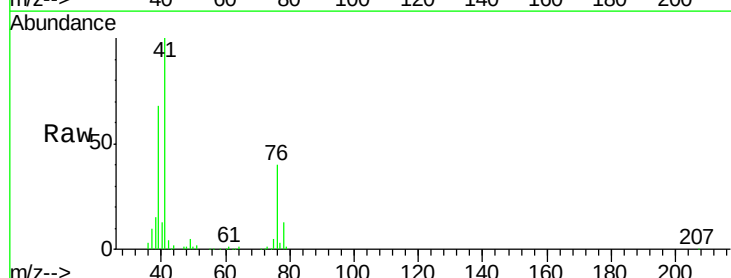
Tgt Ion: 41 Resp: 80998

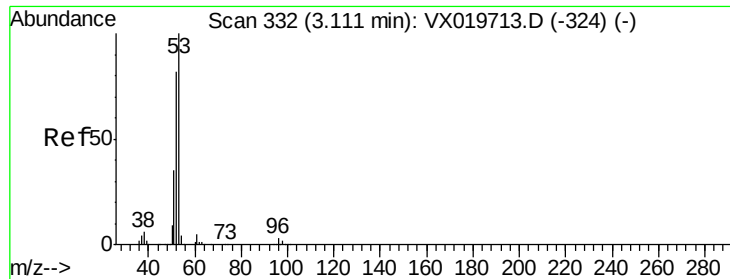
Ion Ratio Lower Upper

41 100

39 62.2 51.6 77.4

76 36.9 30.5 45.7





#15

Acrylonitrile

Concen: 98.393 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

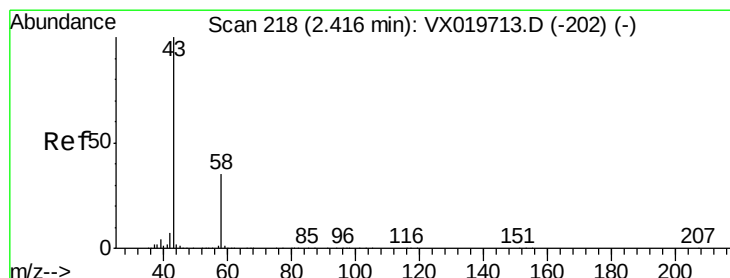
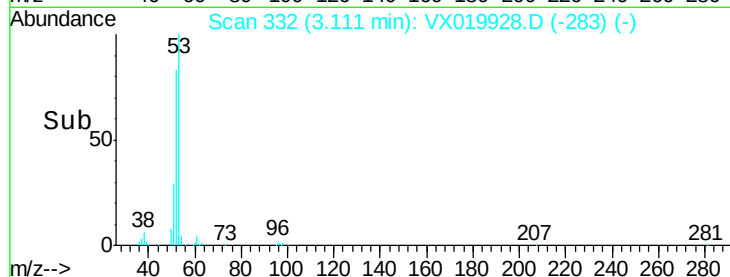
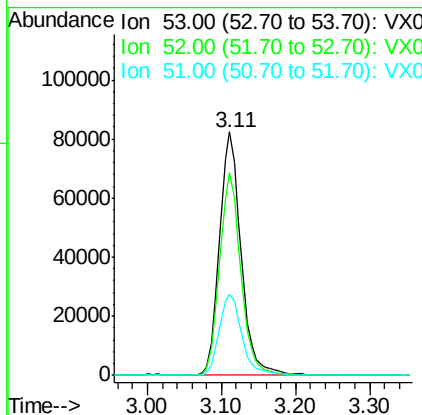
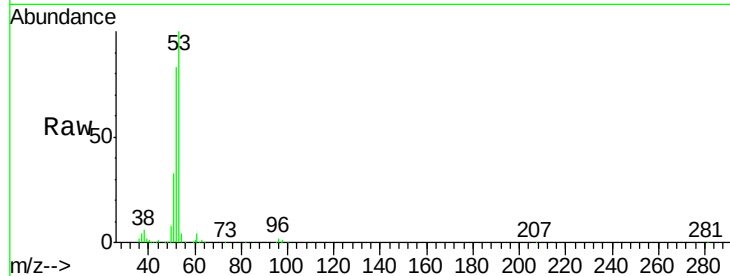
ClientSampleId :

VX1212WBS01

Tot Ion:	53	Resp:	165366
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.3	97.9
51	35.4	28.2	42.2

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#16

Acetone

Concen: 104.167 ug/l

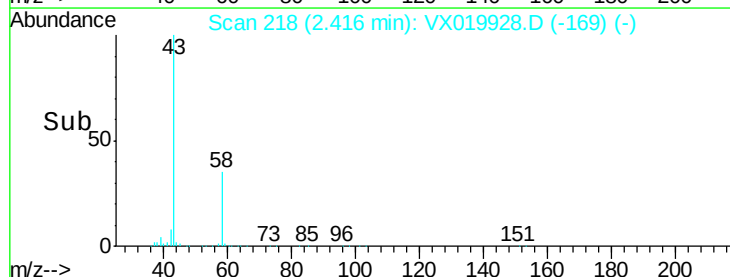
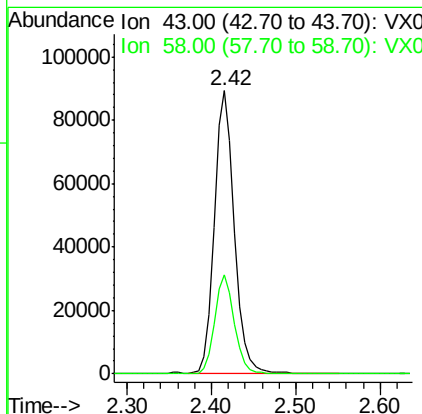
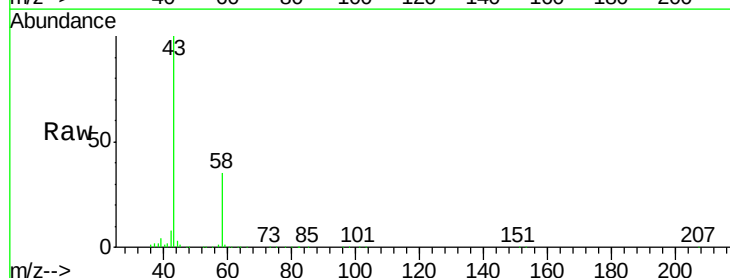
RT: 2.42 min Scan# 218

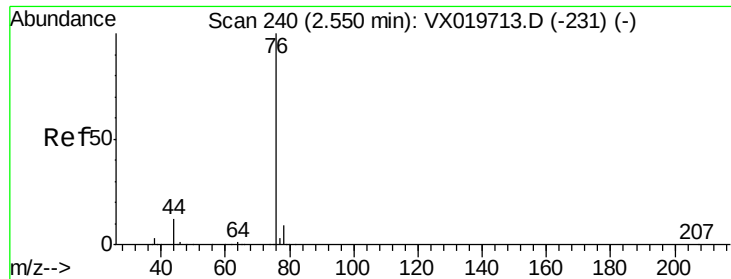
Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Tgt Ion:	43	Resp:	145561
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.8	41.8





#17

Carbon Disulfide

Concen: 15.791 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 76 Resp: 117428

Ion Ratio Lower Upper

76 100

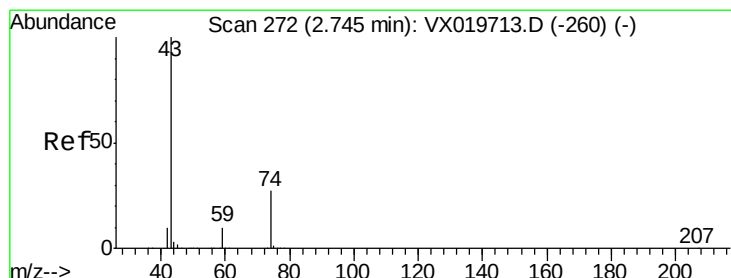
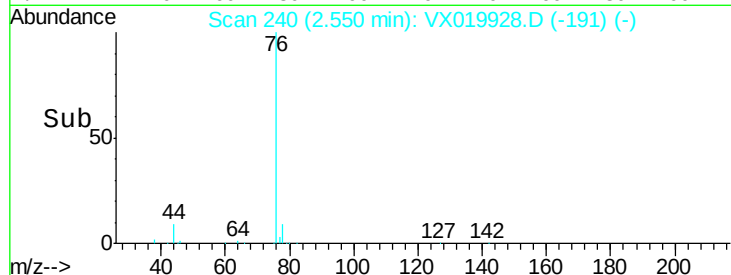
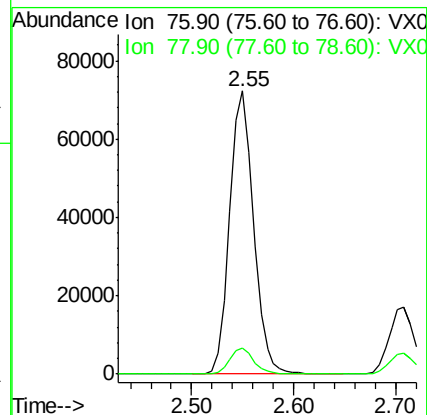
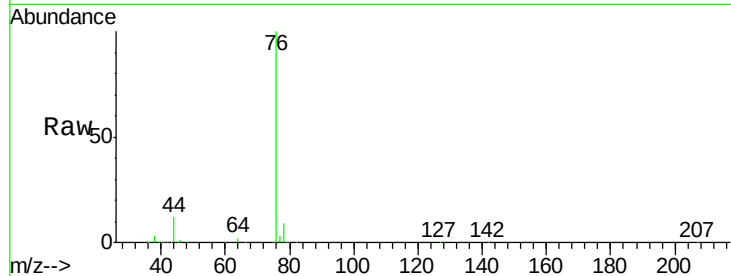
78 9.3 7.2 10.8

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#18

Methyl Acetate

Concen: 21.153 ug/l

RT: 2.74 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019928.D

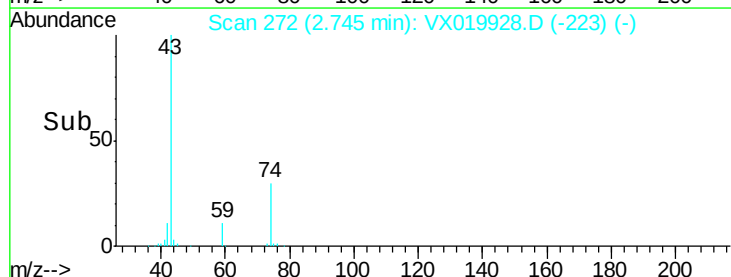
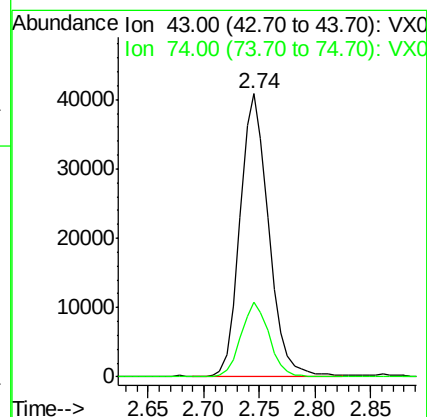
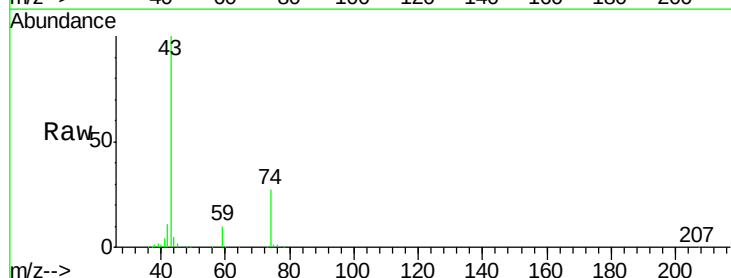
Acq: 12 Dec 2020 13:35

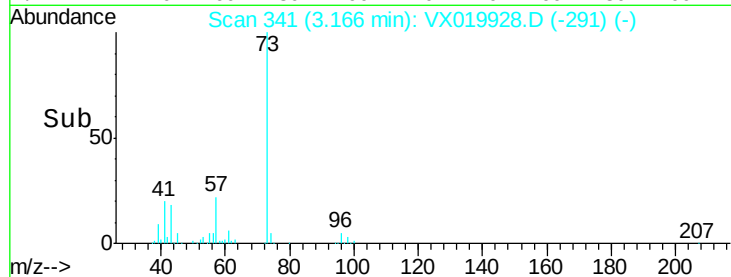
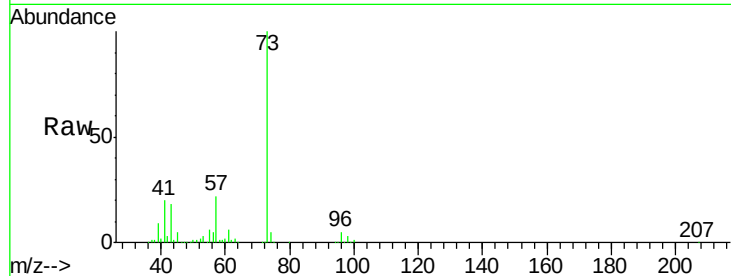
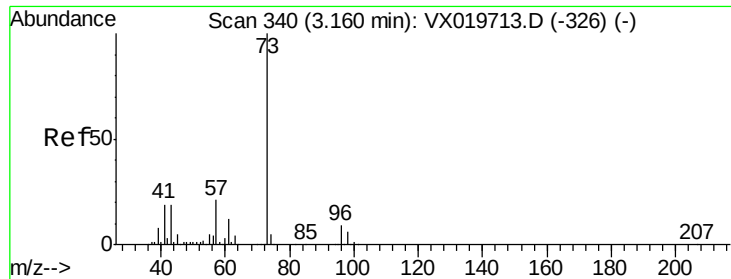
Tgt Ion: 43 Resp: 72334

Ion Ratio Lower Upper

43 100

74 26.6 21.9 32.9





#19

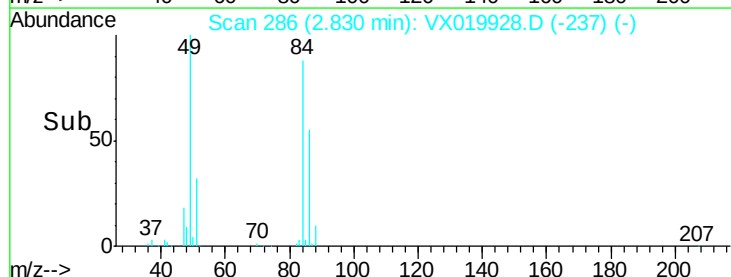
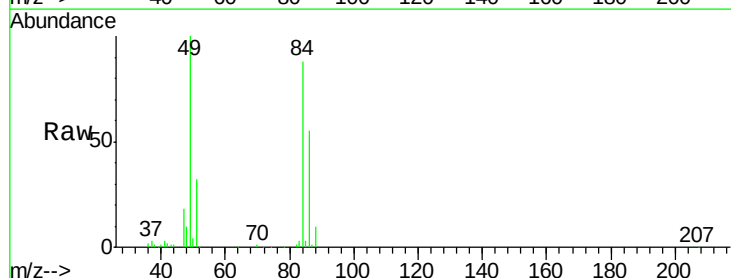
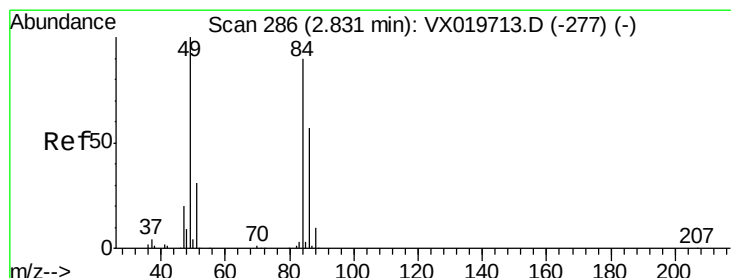
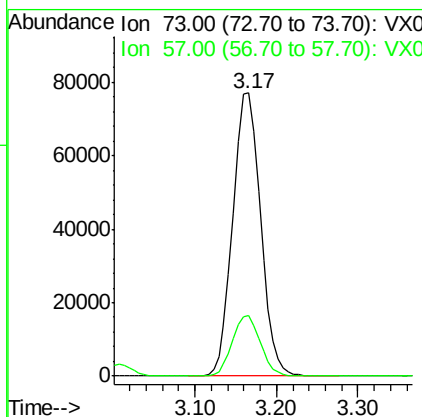
Methyl tert-butyl Ether
Concen: 19.287 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tot Ion	73	Resp	182041
Ion Ratio	100	Lower	Upper
73	100		
57	21.6	17.1	25.7

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

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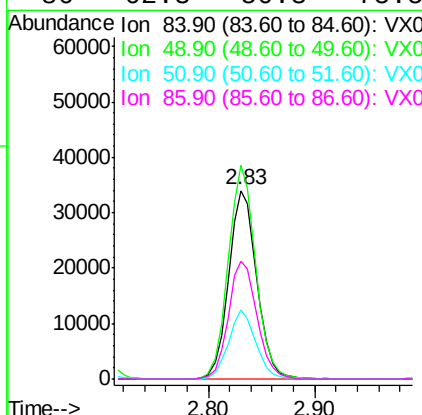
MMDadoda
12/15/2020 4:49:30 PM

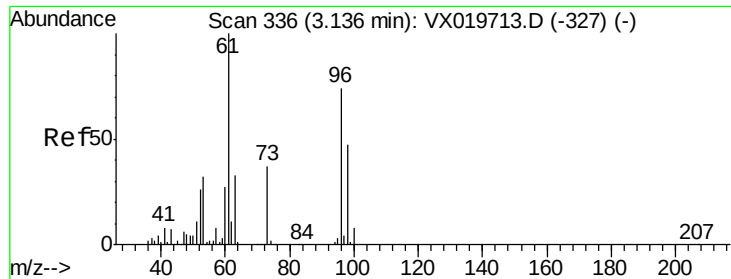


#20

Methylene Chloride
Concen: 18.735 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	84	Resp	62605
Ion Ratio	100	Lower	Upper
84	100		
49	113.3	88.6	132.8
51	36.4	27.0	40.6
86	62.3	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 18.615 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

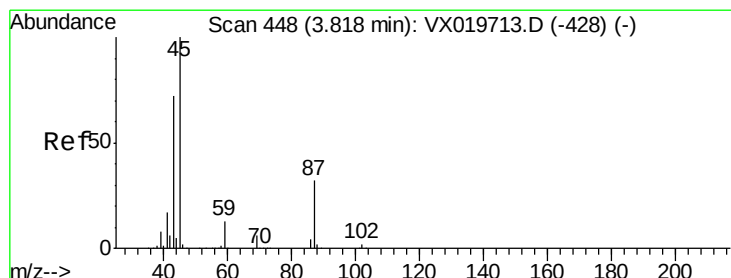
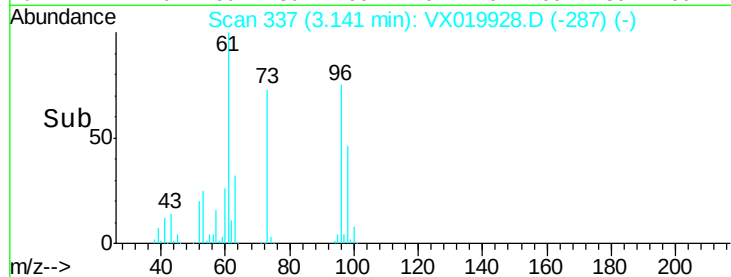
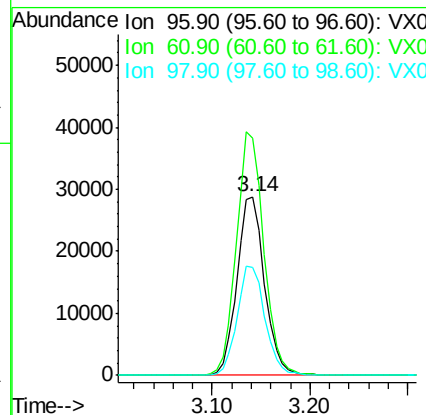
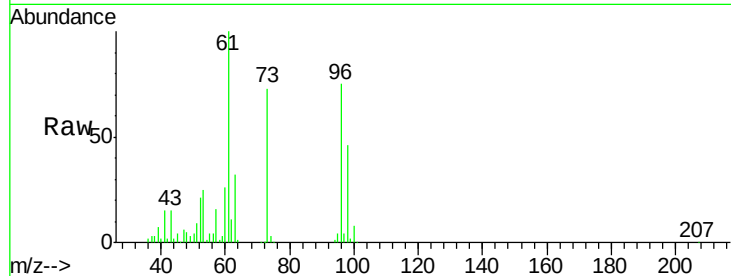
ClientSampleId :

VX1212WBS01

Tot Ion:	96	Resp:	56244
Ion	Ratio	Lower	Upper
96	100		
61	133.1	107.7	161.5
98	60.7	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.099 ug/l

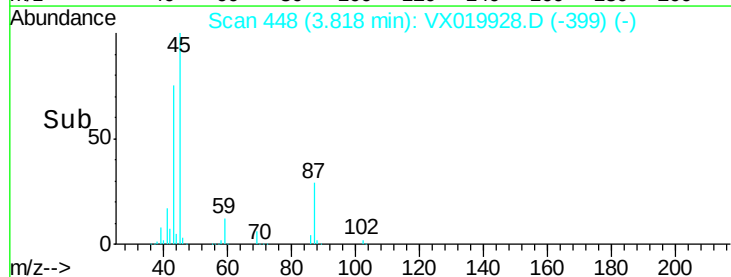
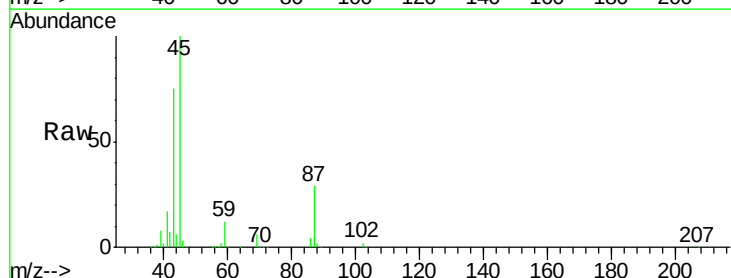
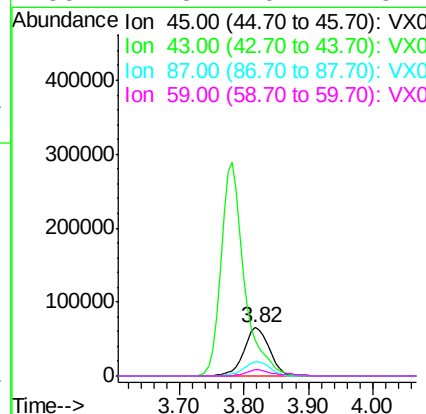
RT: 3.82 min Scan# 448

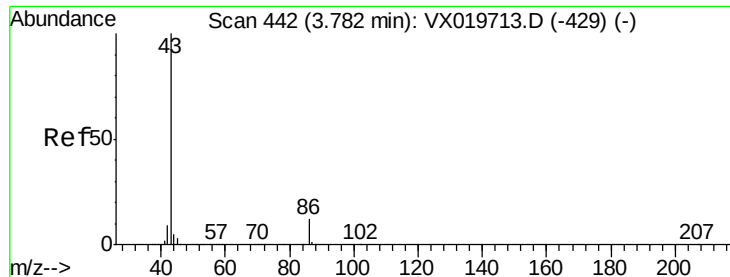
Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Tgt Ion:	45	Resp:	177868
Ion	Ratio	Lower	Upper
45	100		
43	75.3	58.0	87.0
87	28.9	25.4	38.0
59	12.3	10.2	15.2





#23

Vinyl Acetate

Concen: 97.303 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 43 Resp: 733626

Ion Ratio Lower Upper

43 100

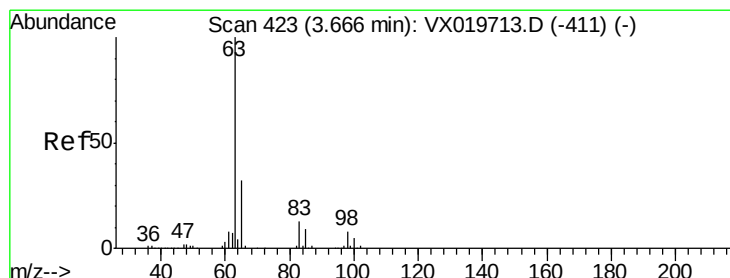
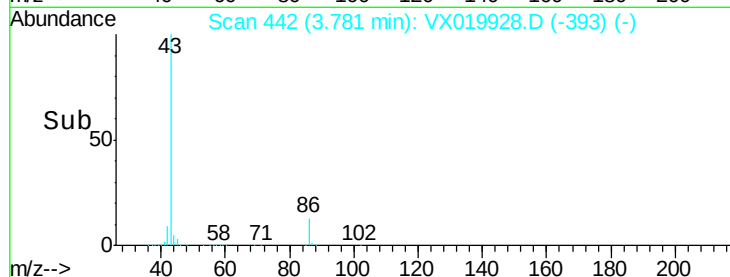
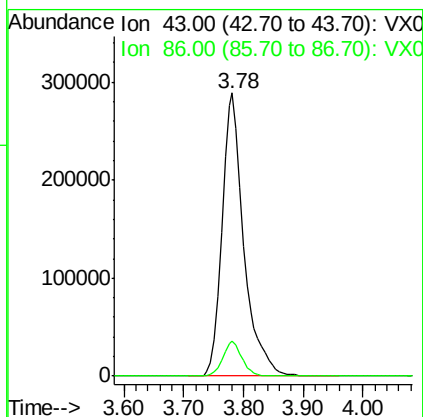
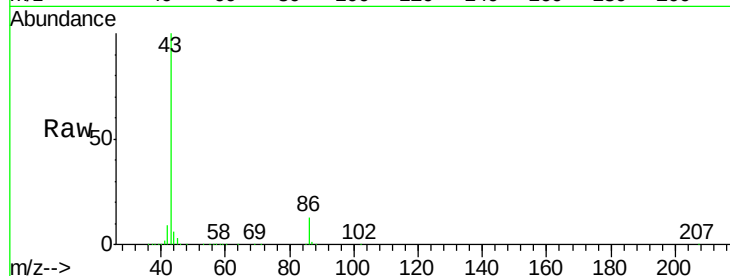
86 12.6 9.9 14.9

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#24

1,1-Dichloroethane

Concen: 19.391 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

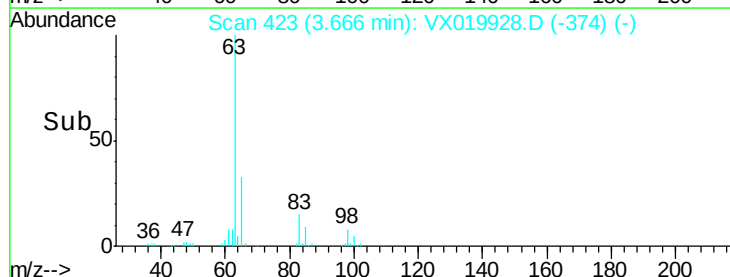
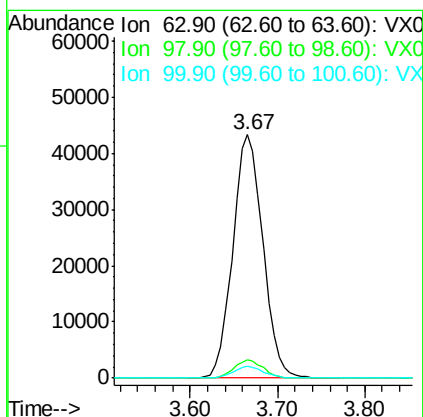
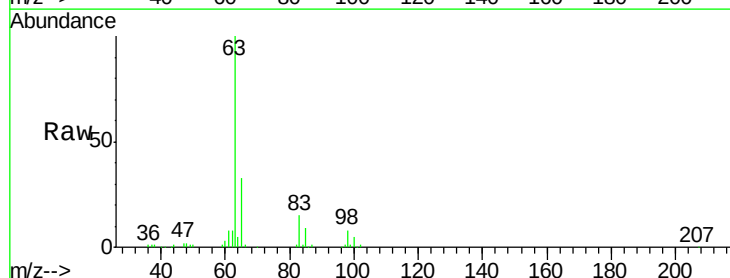
Tgt Ion: 63 Resp: 103483

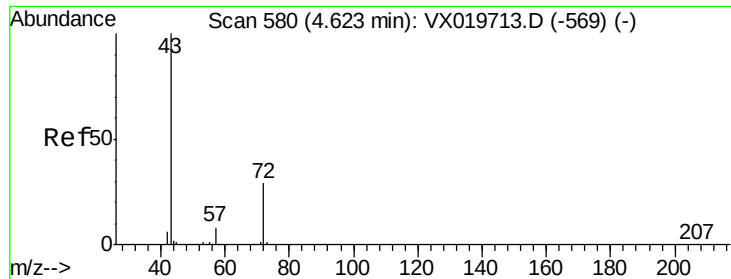
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.2

100 4.7 2.5 7.5





#25

2-Butanone

Concen: 100.524 ug/l

RT: 4.63 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 43 Resp: 215847

Ion Ratio Lower Upper

43 100

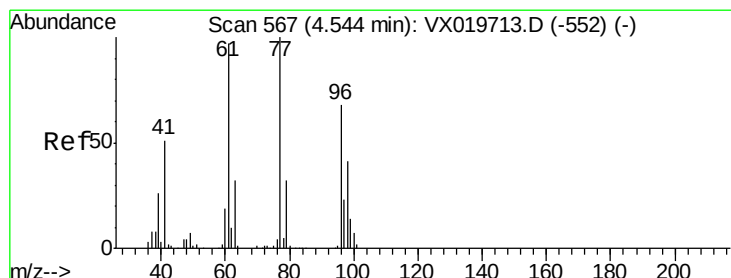
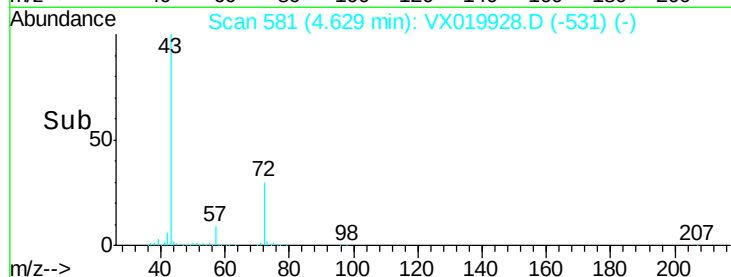
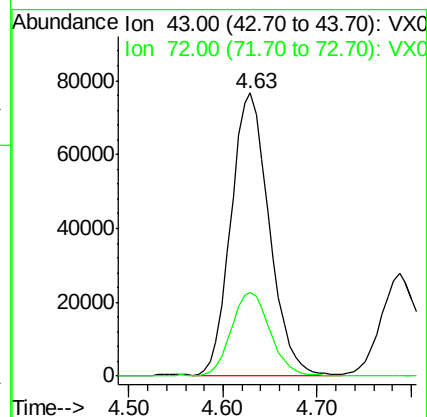
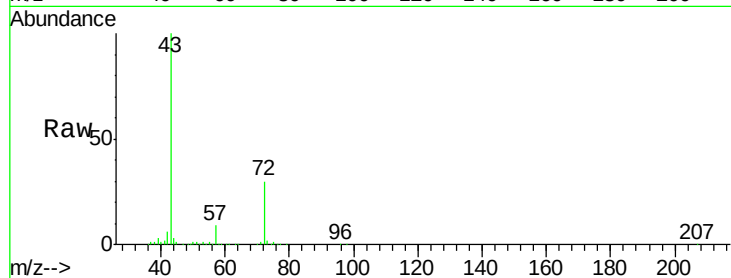
72 29.5 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.443 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX019928.D

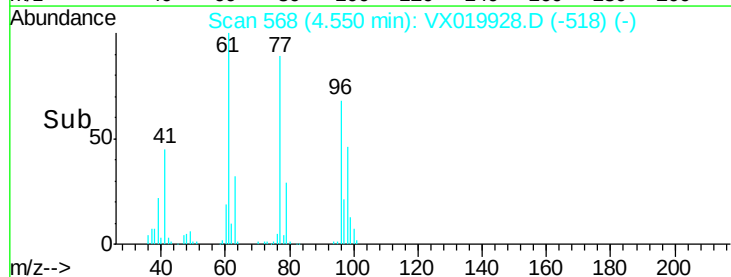
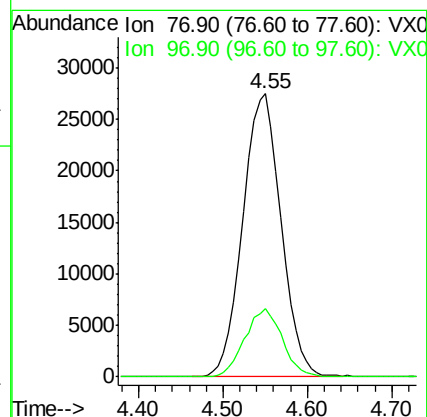
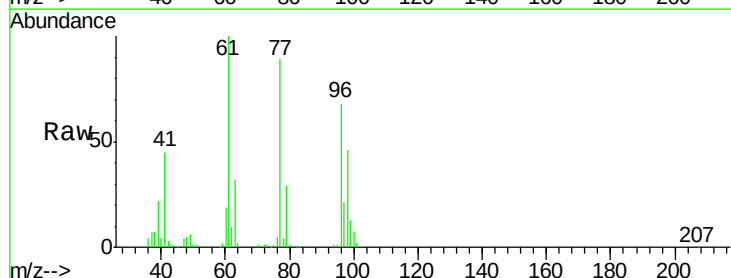
Acq: 12 Dec 2020 13:35

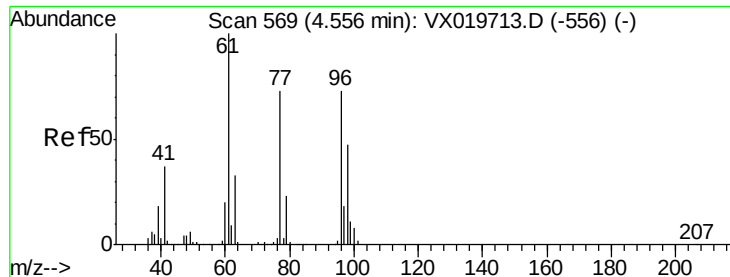
Tgt Ion: 77 Resp: 84758

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1





#27

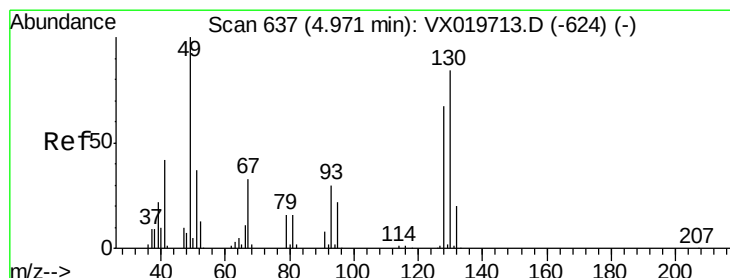
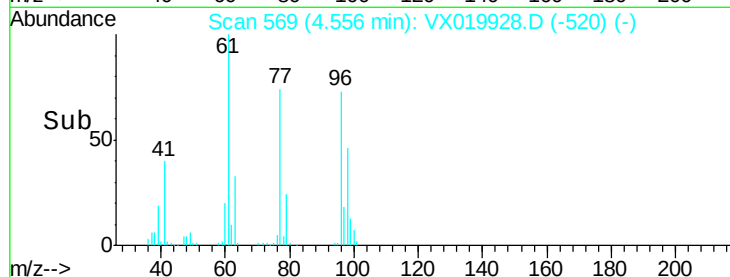
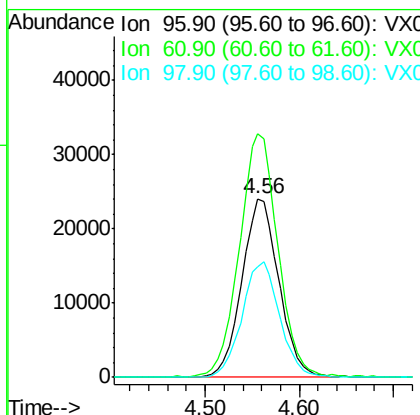
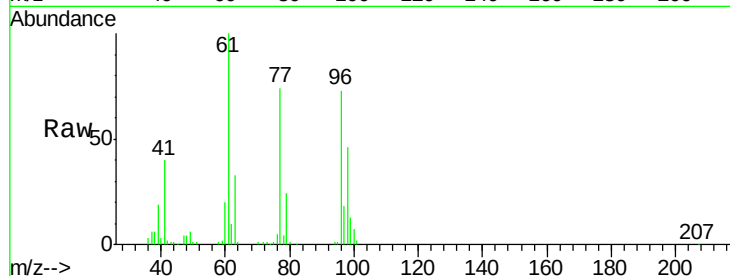
cis-1,2-Dichloroethene
Concen: 18.649 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	65941		
61	143.0		0.0	285.6
98	65.8		0.0	129.6

Manual Integrations
APPROVED

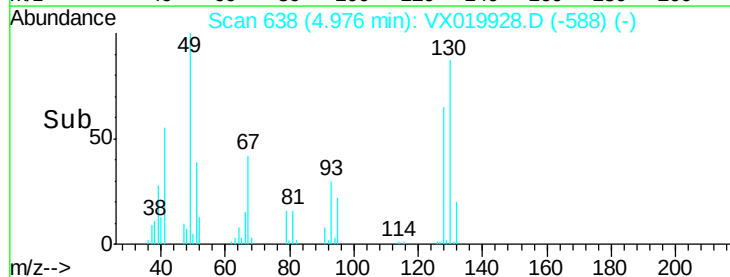
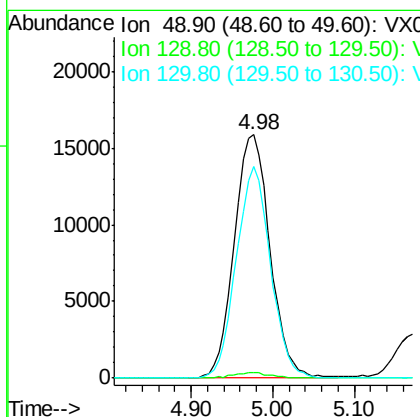
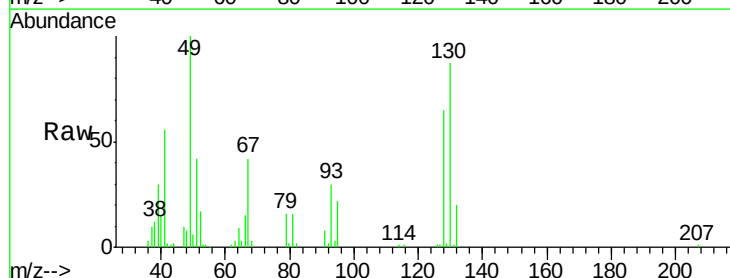
MMDadoda
12/15/2020 4:49:30 PM

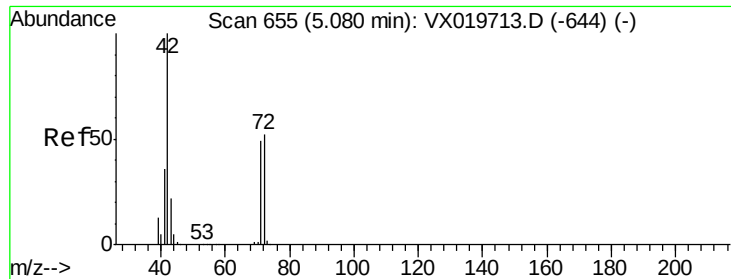


#28

Bromochloromethane
Concen: 19.029 ug/l
RT: 4.98 min Scan# 638
Delta R.T. 0.01 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48411		
129	2.2		0.0	4.0
130	83.2		68.2	102.2





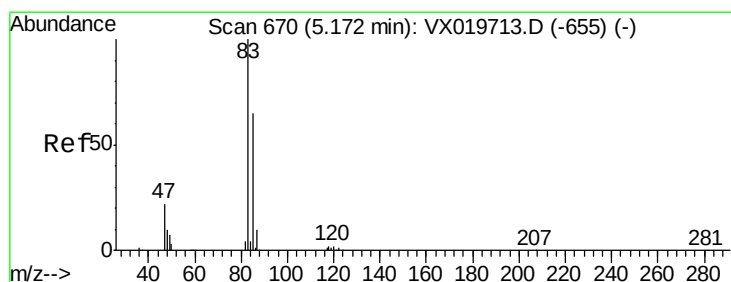
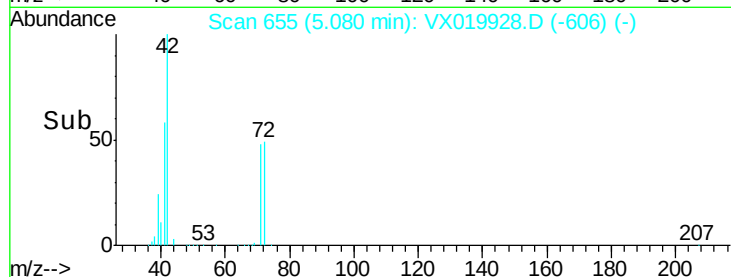
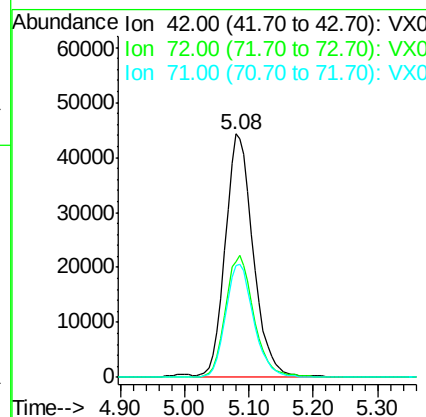
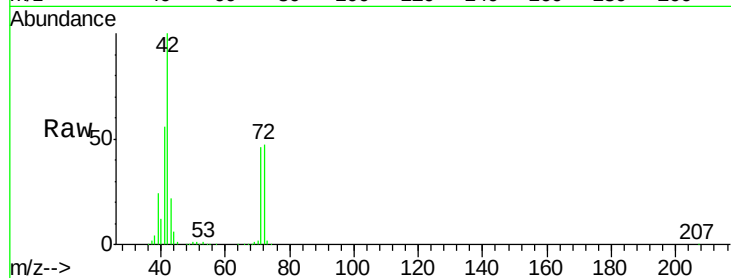
#29
Tetrahydrofuran
Concen: 97.413 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	41.7	62.5
71	46.8	38.4	57.6

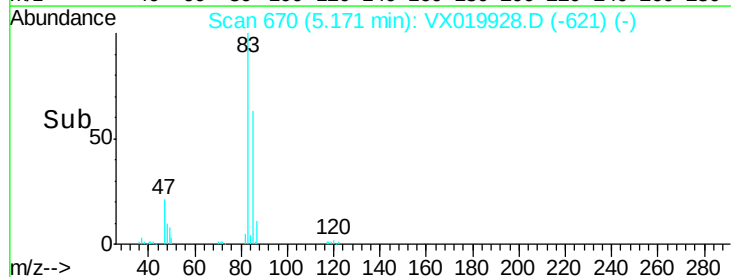
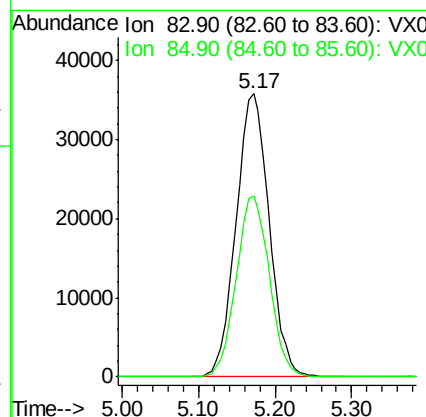
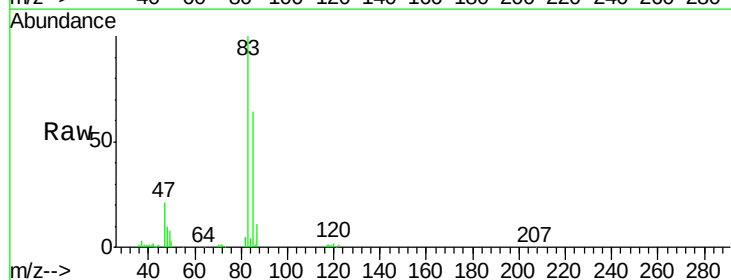
Manual Integrations
APPROVED

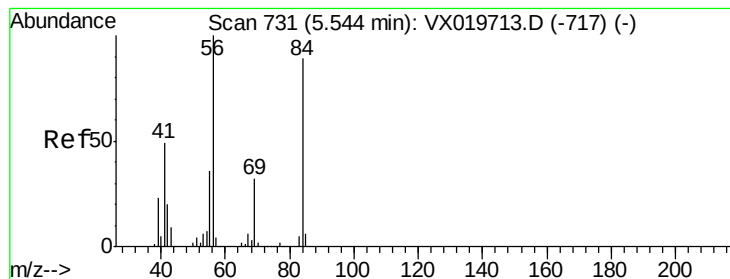
MMDadoda
12/15/2020 4:49:30 PM



#30
Chloroform
Concen: 19.543 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.0	78.0





#31

Cyclohexane

Concen: 18.636 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 56 Resp: 86181

Ion Ratio Lower Upper

56 100

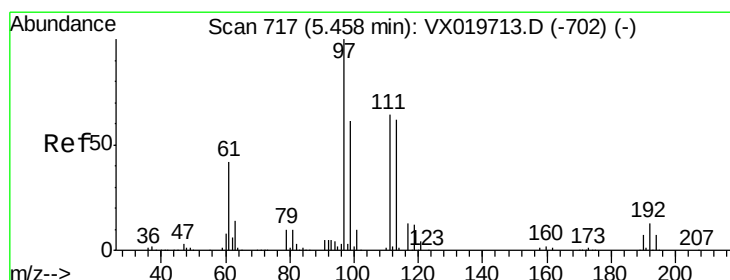
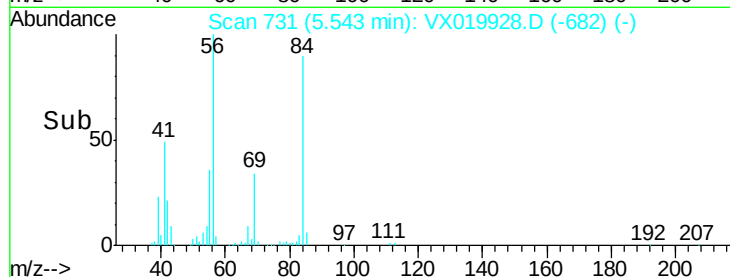
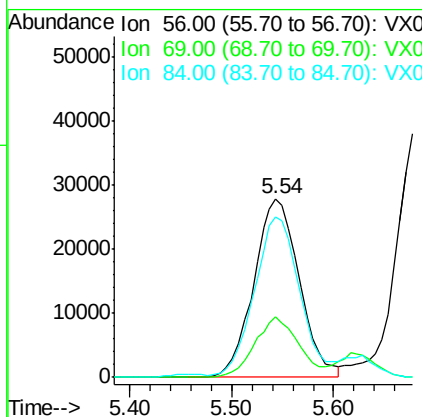
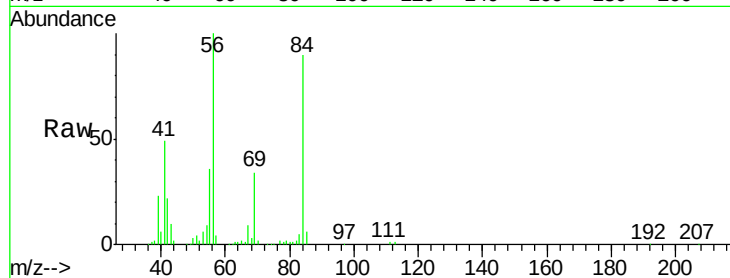
69 33.8 25.3 37.9

84 88.4 71.4 107.0

Manual Integrations
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12/15/2020 4:49:30 PM



#32

1,1,1-Trichloroethane

Concen: 18.982 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

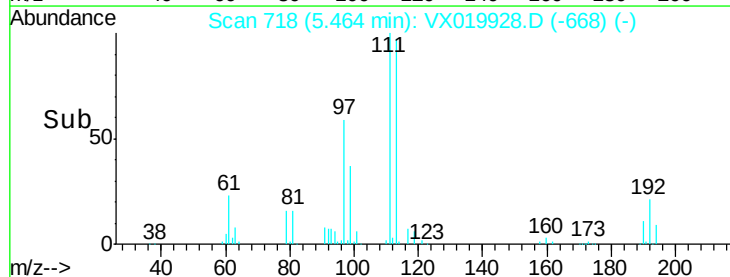
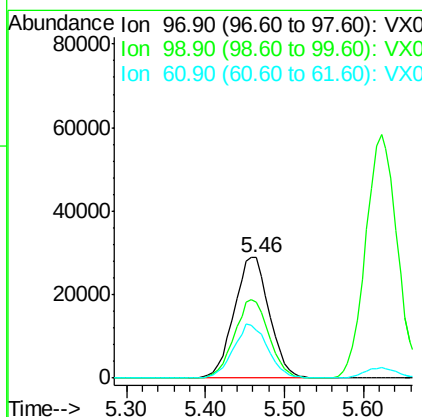
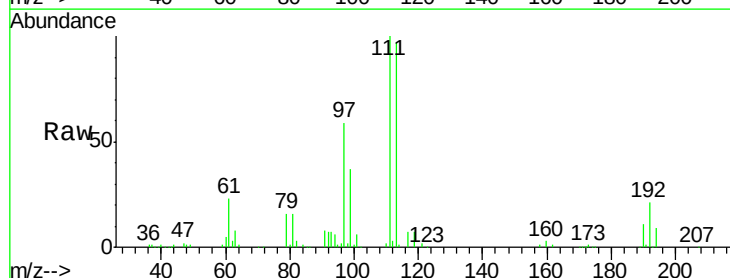
Tgt Ion: 97 Resp: 89699

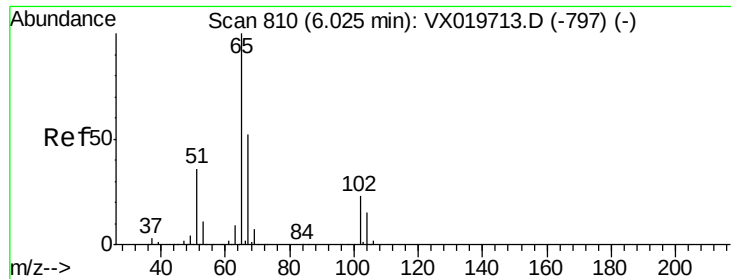
Ion Ratio Lower Upper

97 100

99 63.7 51.5 77.3

61 43.7 34.2 51.4





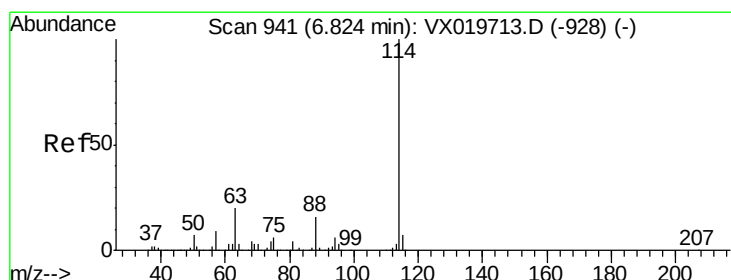
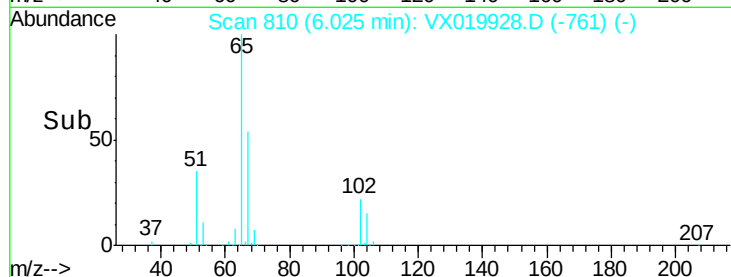
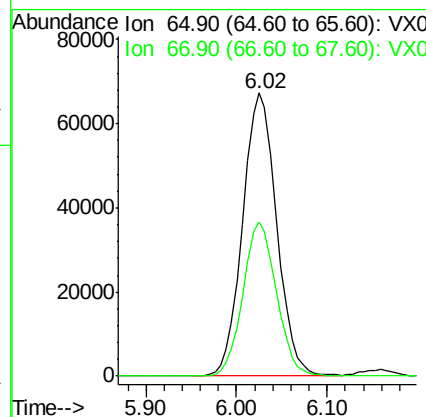
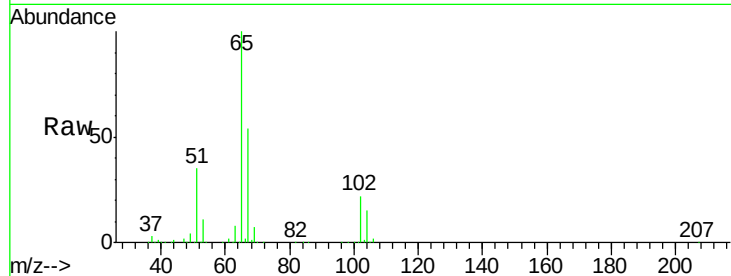
#33
 1,2-Dichloroethane-d4
 Concen: 47.057 ug/l
 RT: 6.02 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174943		
67	53.8	0.0	105.4	

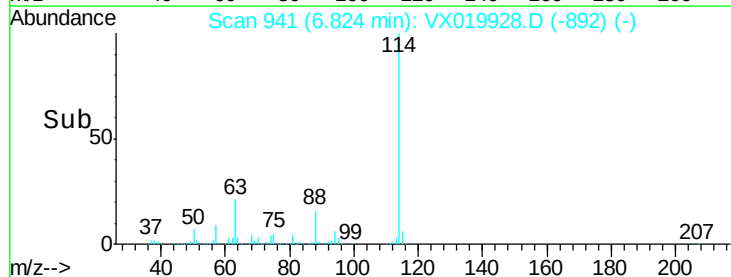
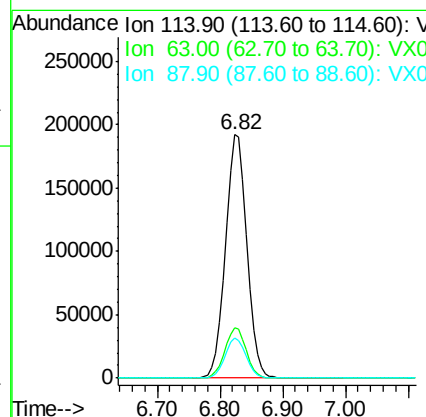
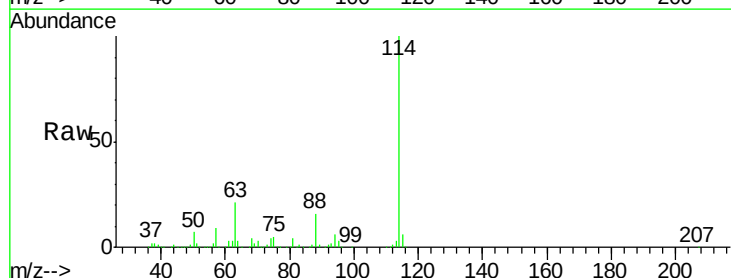
Manual Integrations
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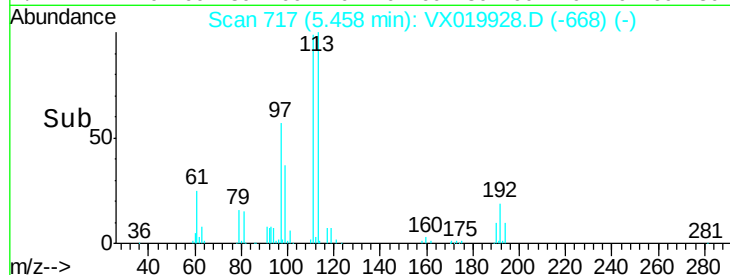
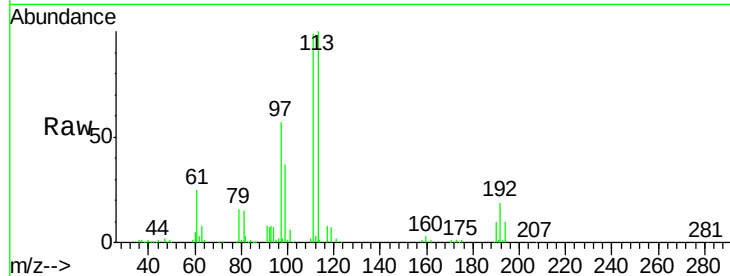
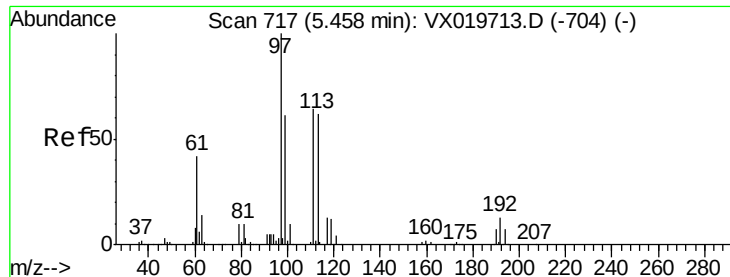
MMDadoda
 12/15/2020 4:49:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	452635		
63	20.9	0.0	40.8	
88	16.4	0.0	32.8	





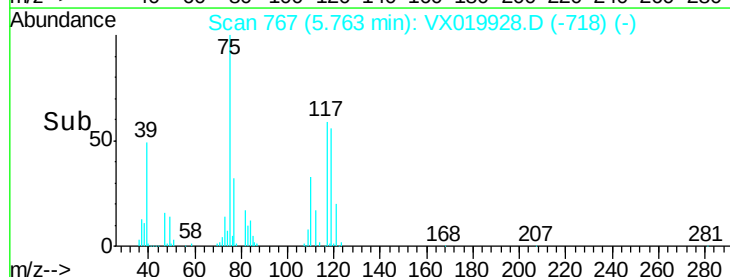
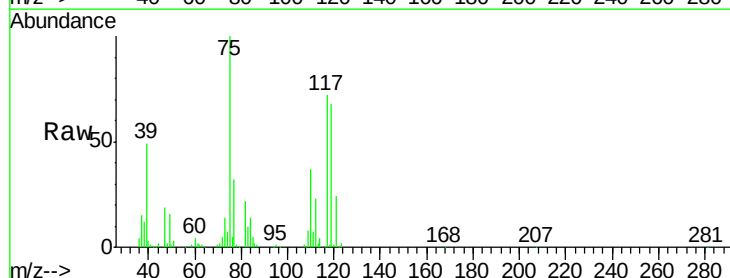
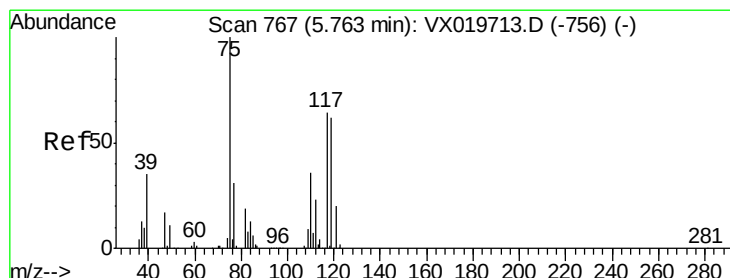
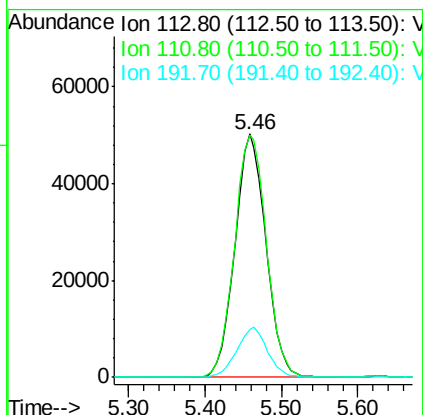
#35
Dibromofluoromethane
Concen: 48.258 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141169		
111	102.5	81.9	122.9	
192	20.3	16.7	25.1	

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

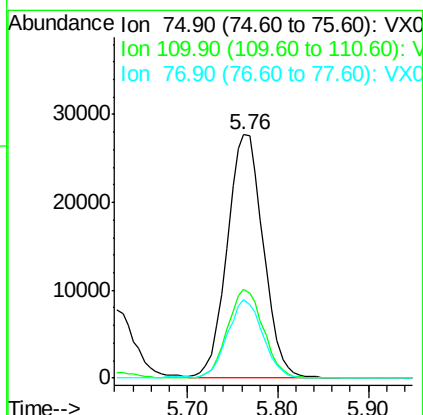
Manual Integrations
APPROVED

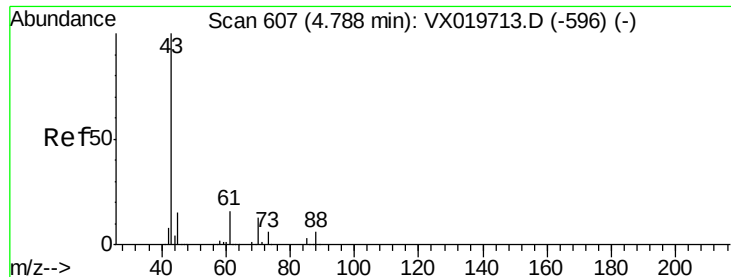
MMDadoda
12/15/2020 4:49:30 PM



#36
1,1-Dichloropropene
Concen: 18.616 ug/l
RT: 5.76 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76142		
110	36.5	18.1	54.4	
77	31.7	25.3	37.9	





#37

Ethyl Acetate

Concen: 19.270 ug/l

RT: 4.79 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

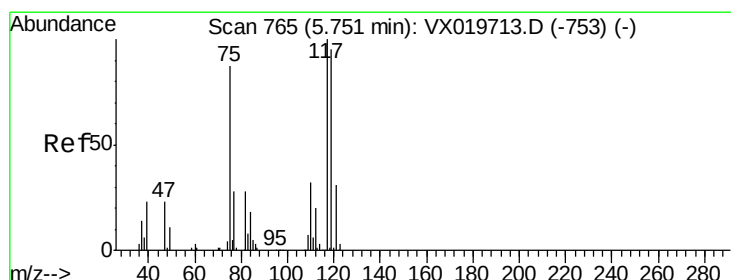
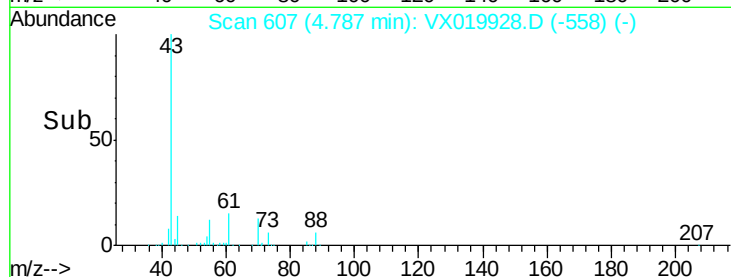
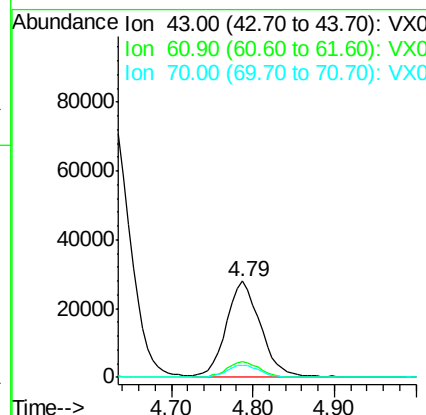
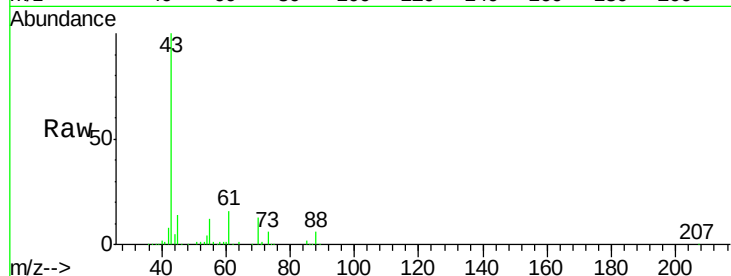
ClientSampleId :

VX1212WBS01

Tot Ion:	43	Resp:	79578
Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.8	19.2
70	12.8	10.5	15.7

Manual Integrations
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12/15/2020 4:49:30 PM



#38

Carbon Tetrachloride

Concen: 18.950 ug/l

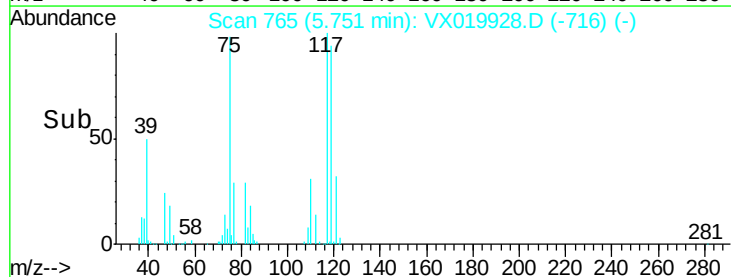
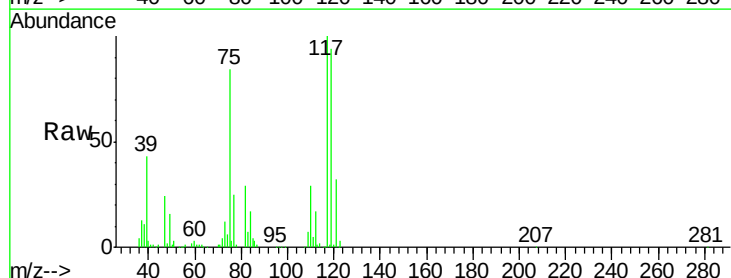
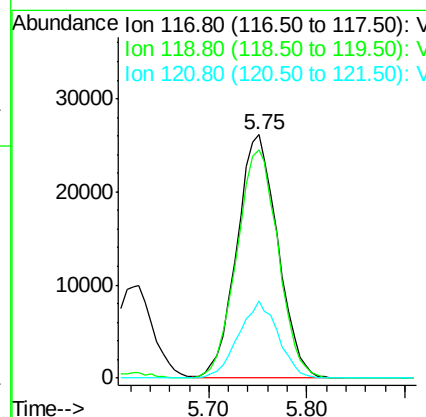
RT: 5.75 min Scan# 765

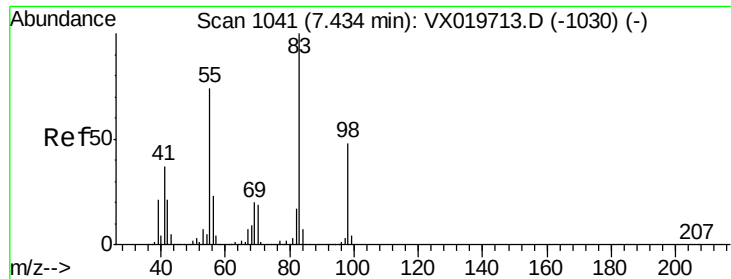
Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Tgt Ion:	117	Resp:	75899
Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.2	114.2
121	31.9	24.8	37.2





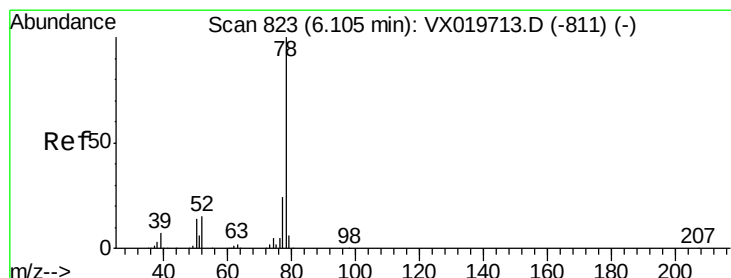
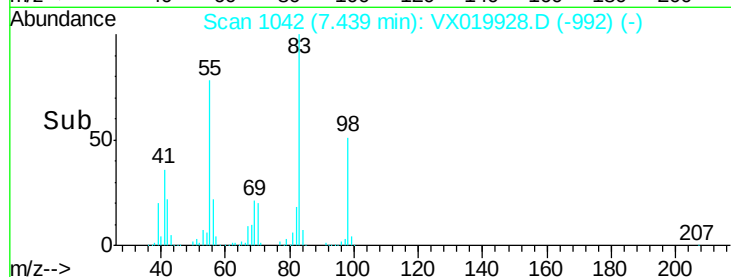
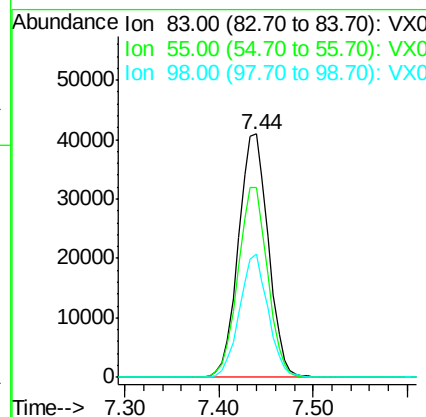
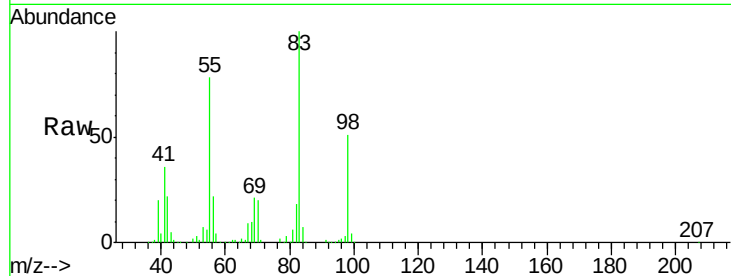
#39
Methylvlcyclohexane
Concen: 18.740 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	58.9	88.3
98	50.9	38.1	57.1

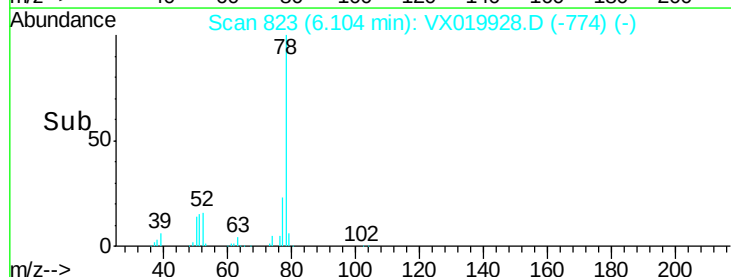
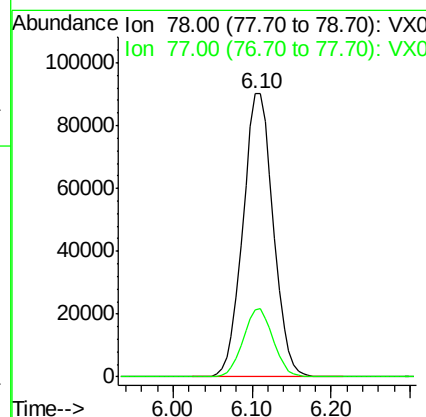
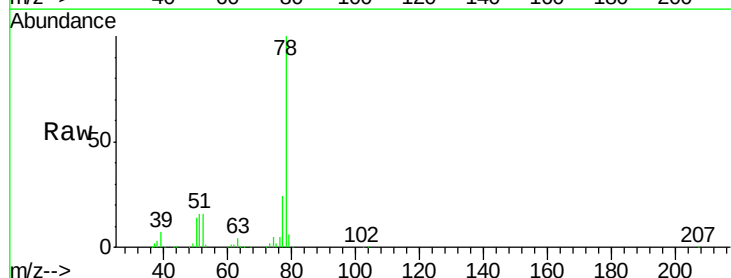
Manual Integrations
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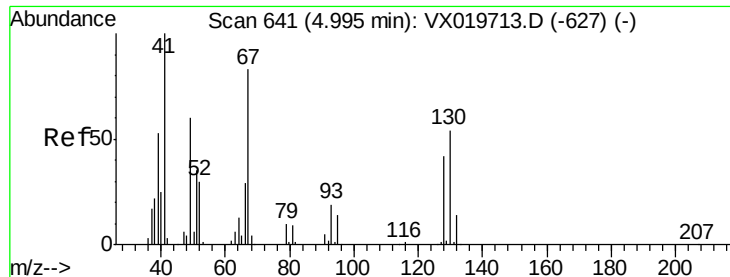
MMDadoda
12/15/2020 4:49:30 PM



#40
Benzene
Concen: 19.341 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





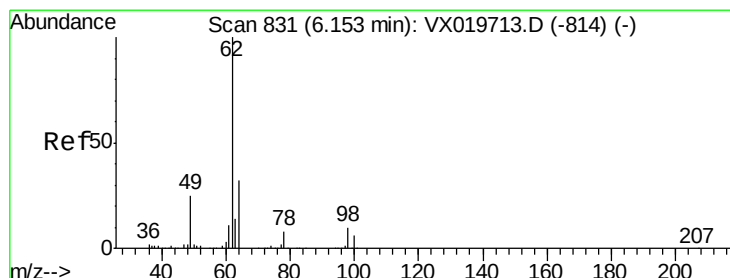
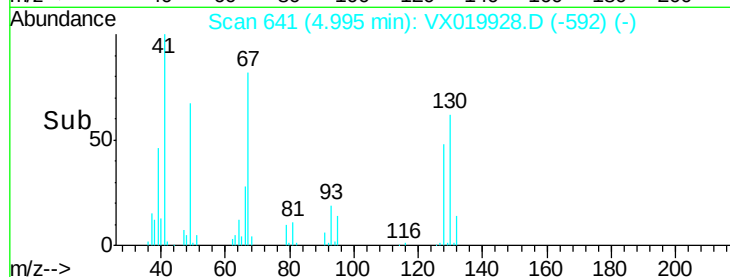
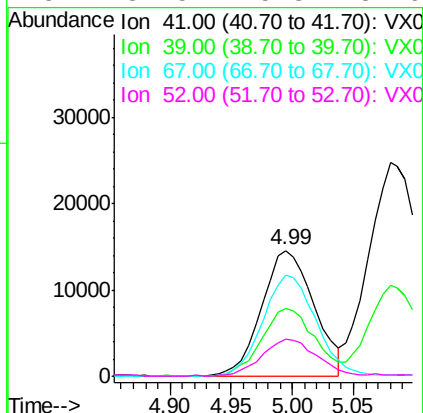
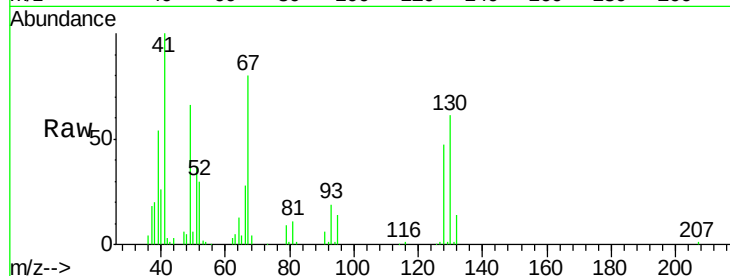
#41
Methacrylonitrile
Concen: 19.241 ug/l
RT: 4.99 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	42.5	63.7	
67	82.0	65.0	97.6	
52	32.5	25.3	37.9	

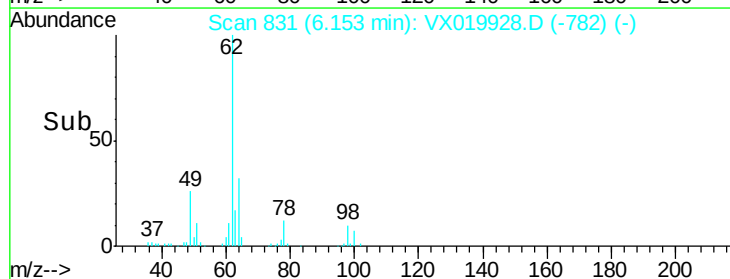
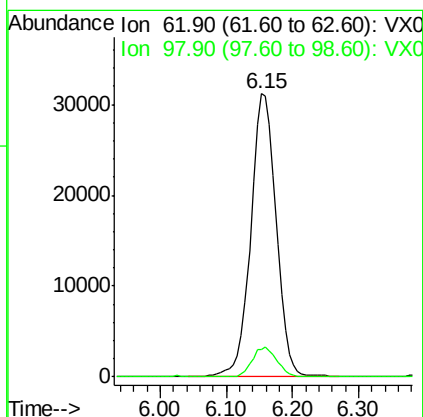
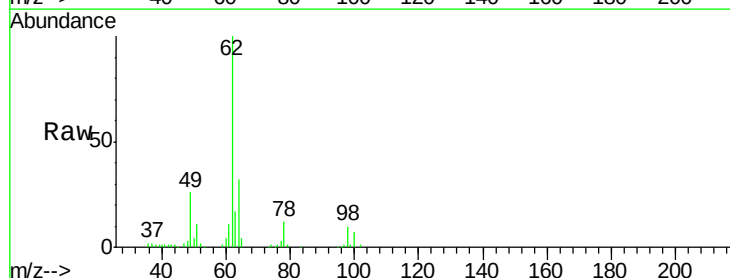
Manual Integrations
APPROVED

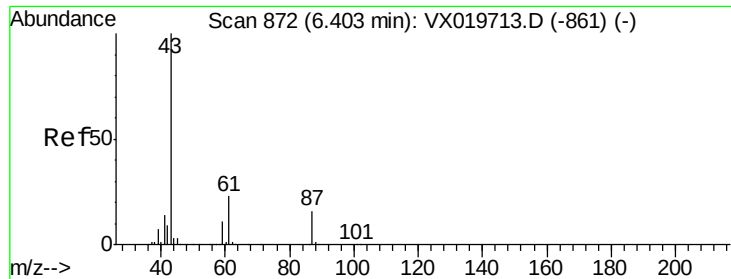
MMDadoda
12/15/2020 4:49:30 PM



#42
1,2-Dichloroethane
Concen: 19.701 ug/l
RT: 6.15 min Scan# 831
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.2	





#43

Isopropyl Acetate

Concen: 18.988 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

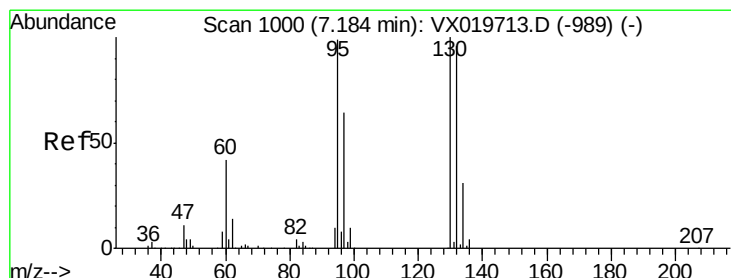
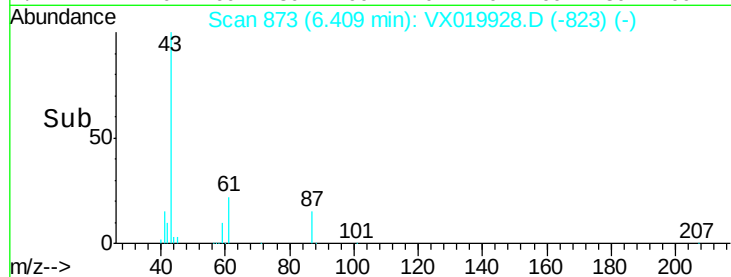
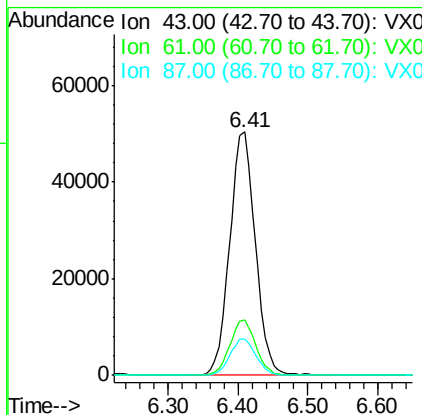
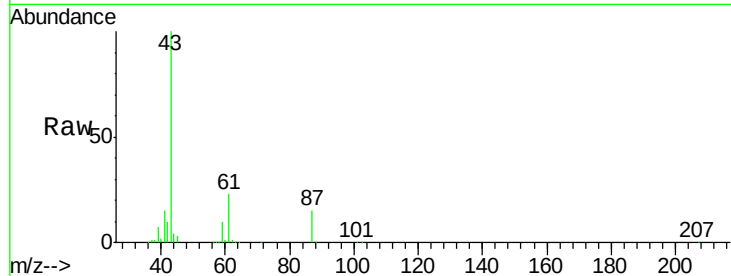
ClientSampleId :

VX1212WBS01

Tot Ion:	43	Resp:	127489
Ion	Ratio	Lower	Upper
43	100		
61	22.9	18.2	27.4
87	15.2	12.5	18.7

Manual Integrations
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MMDadoda
12/15/2020 4:49:30 PM



#44

Trichloroethene

Concen: 18.969 ug/l

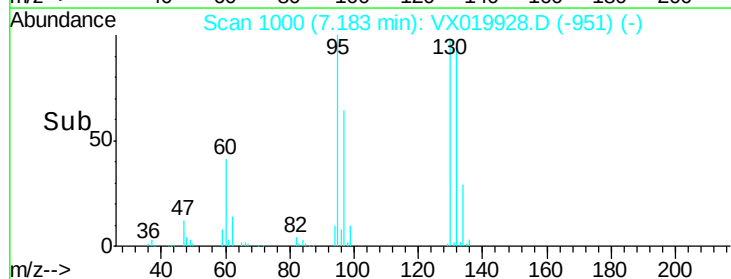
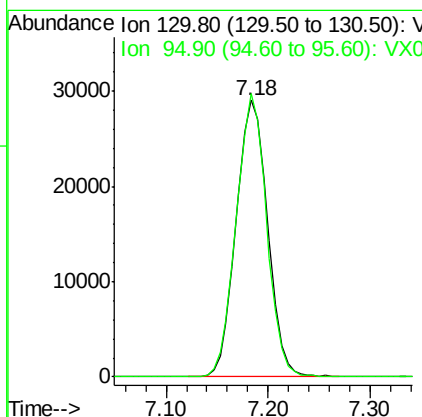
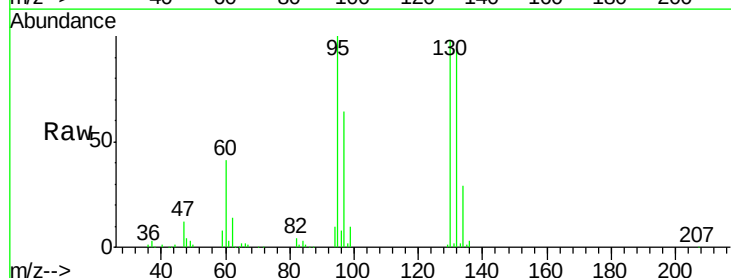
RT: 7.18 min Scan# 1000

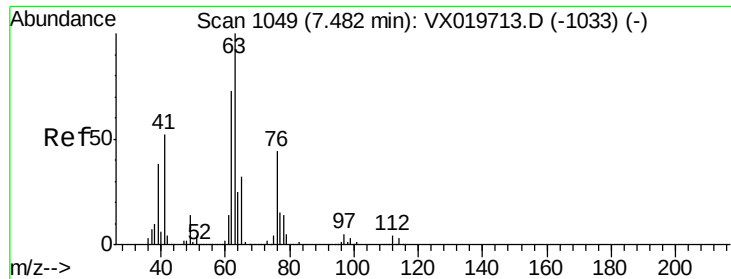
Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Tgt Ion:	130	Resp:	62184
Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	198.0





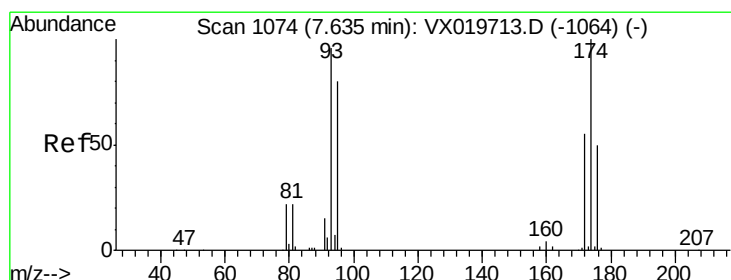
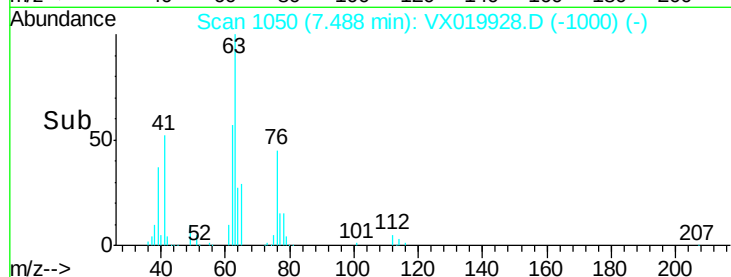
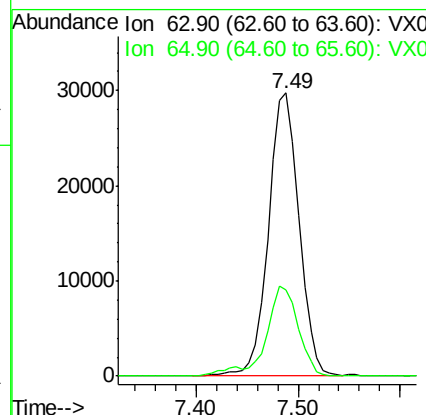
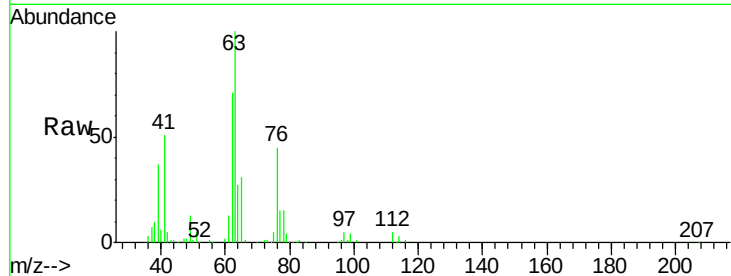
#45
 1,2-Dichloropropane
 Concen: 19.797 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion: 63 Resp: 61820
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.7 38.5

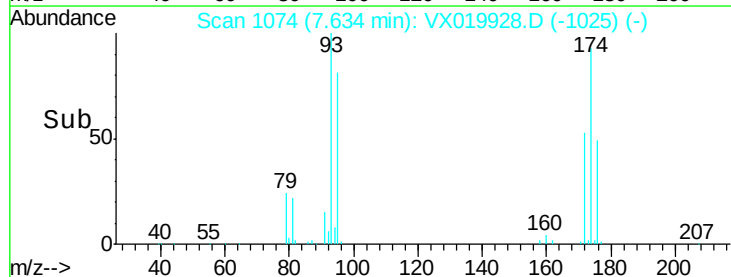
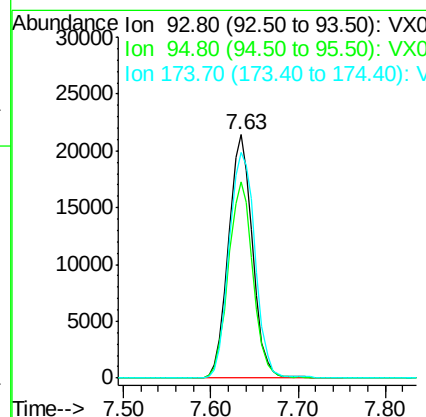
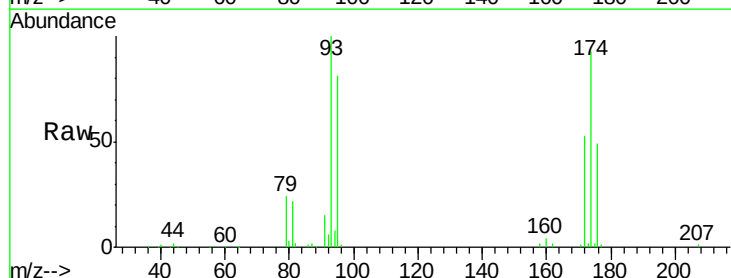
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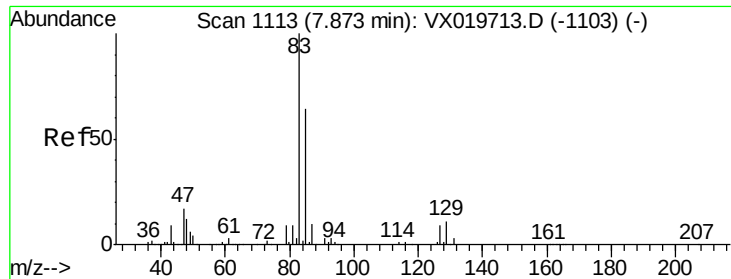
MMDadoda
 12/15/2020 4:49:30 PM



#46
 Dibromomethane
 Concen: 19.318 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Tgt Ion: 93 Resp: 40738
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.8 100.2
 174 100.7 83.1 124.7





#47

Bromodichloromethane

Concen: 19.116 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

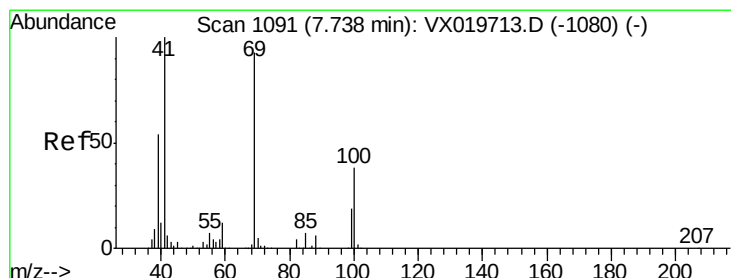
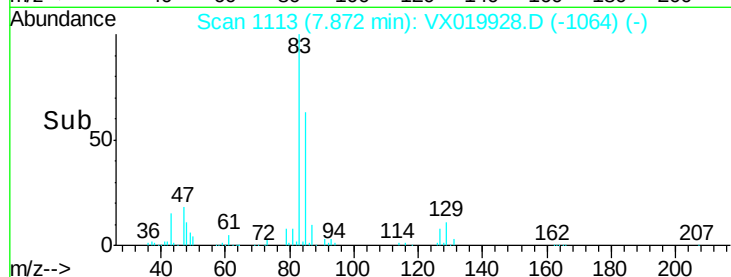
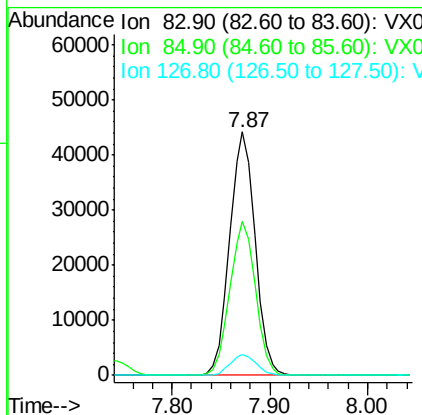
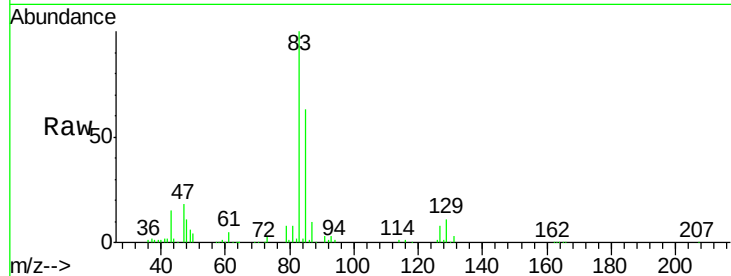
ClientSampleId :

VX1212WBS01

Tot Ion:	83	Resp:	79989
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.4	77.0
127	8.3	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.876 ug/l

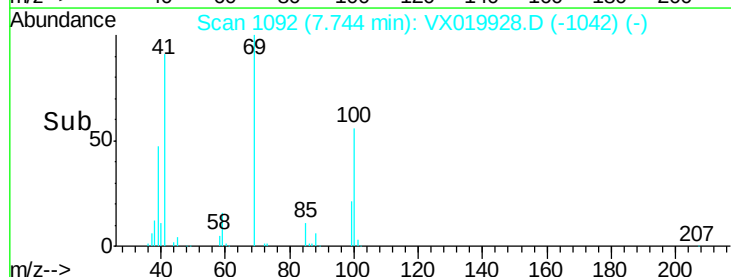
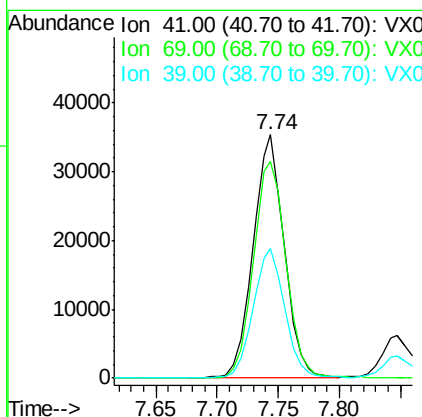
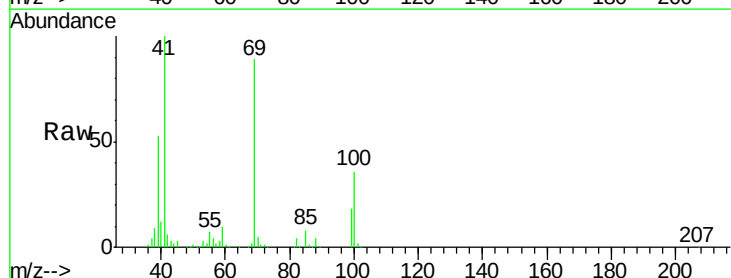
RT: 7.74 min Scan# 1092

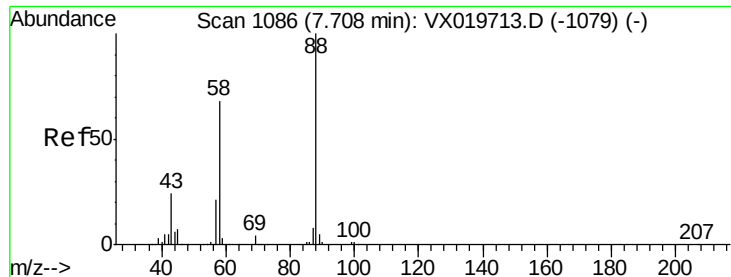
Delta R.T. 0.01 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Tgt Ion:	41	Resp:	62330
Ion	Ratio	Lower	Upper
41	100		
69	93.8	76.0	114.0
39	54.4	44.6	67.0





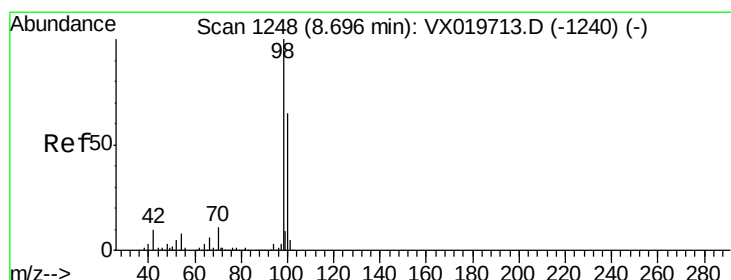
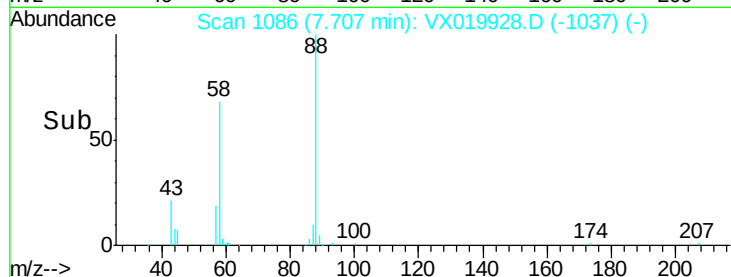
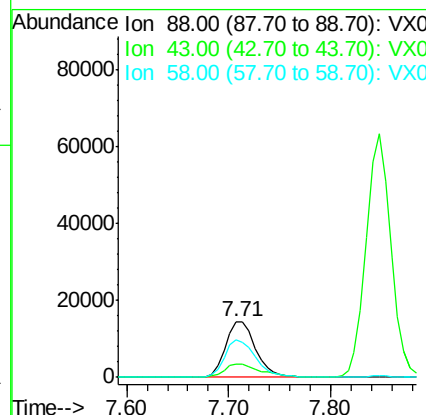
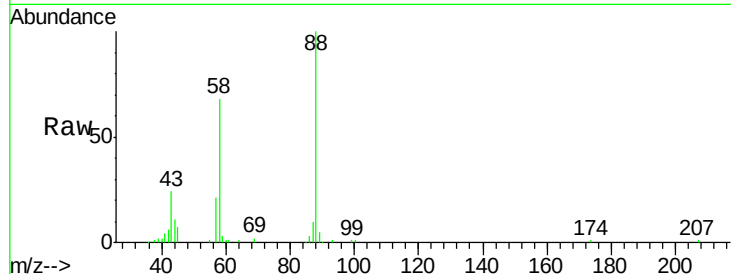
#49
1,4-Dioxane
Concen: 375.280 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.2	34.8
58	69.8	55.0	82.4

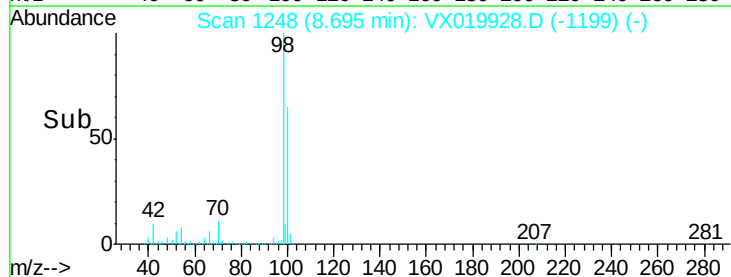
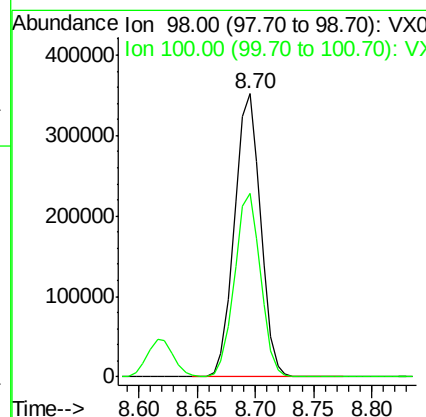
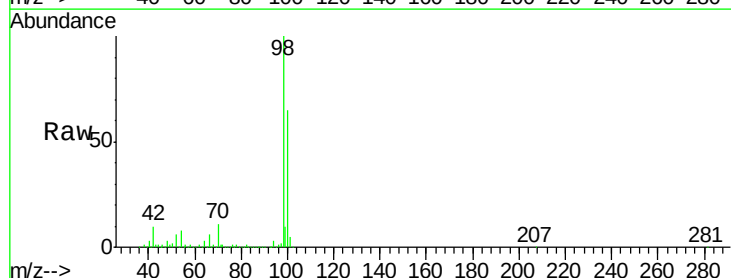
Manual Integrations
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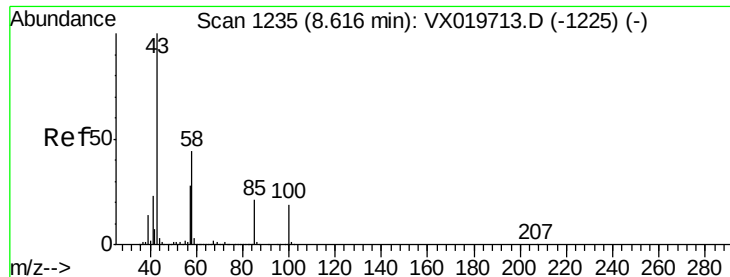
MMDadoda
12/15/2020 4:49:30 PM



#50
Toluene-d8
Concen: 49.262 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





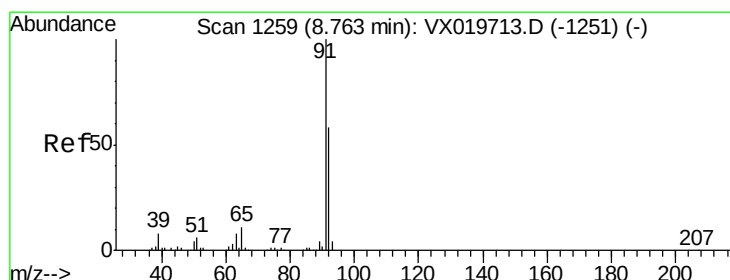
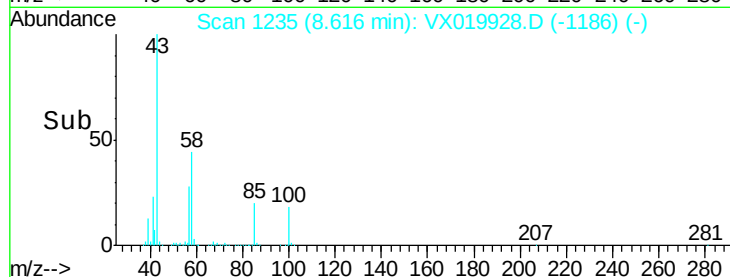
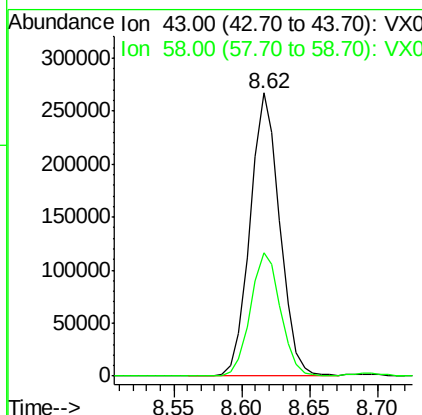
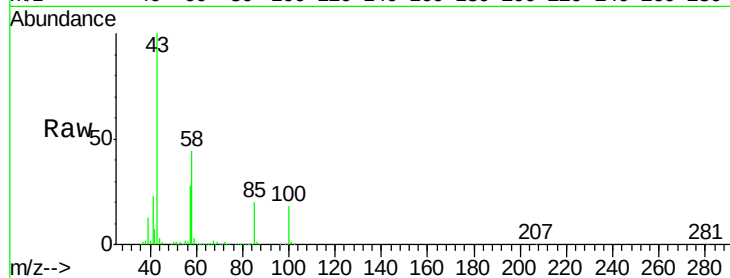
#51
4-Methyl-2-Pentanone
Concen: 99.716 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.2	35.4	53.0

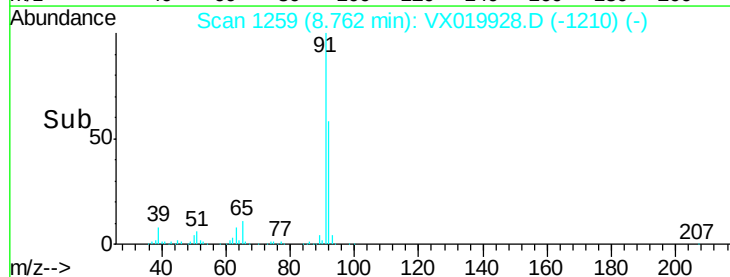
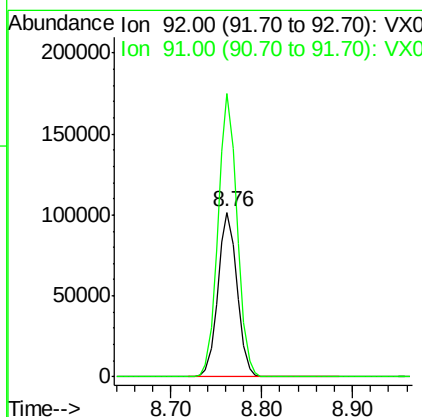
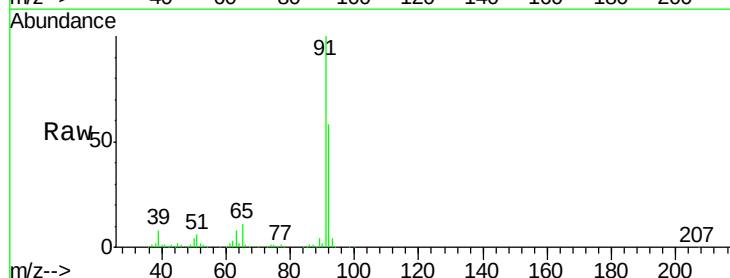
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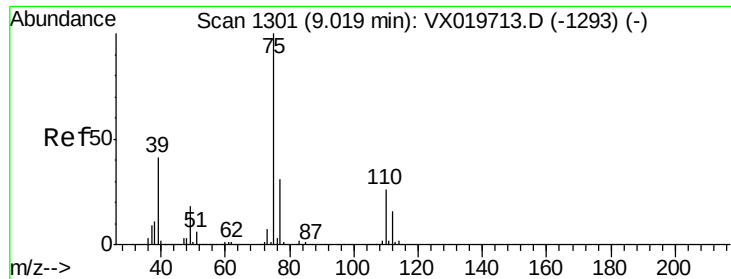
MMDadoda
12/15/2020 4:49:30 PM



#52
Toluene
Concen: 19.243 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.1	205.7





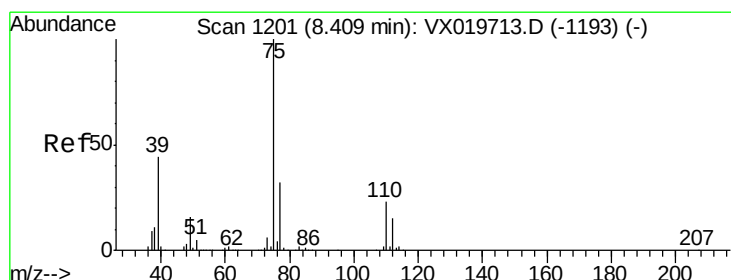
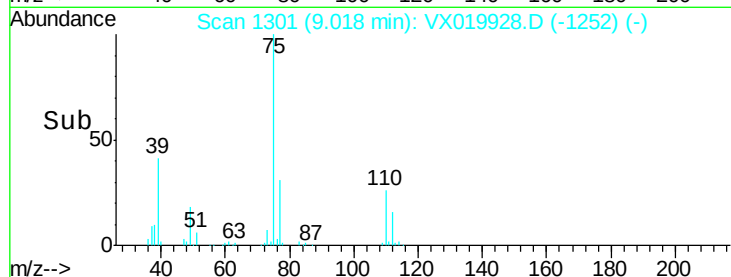
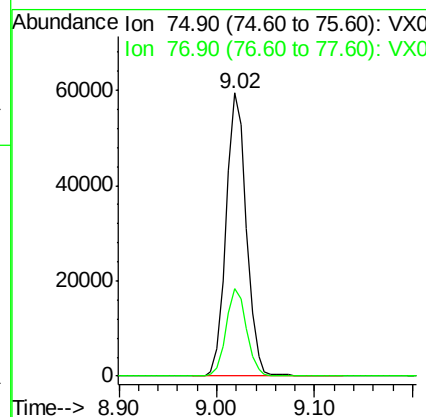
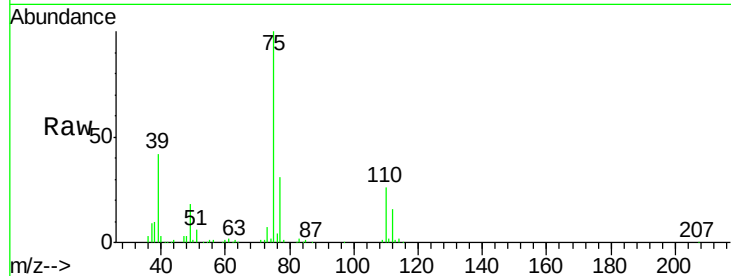
#53
t-1,3-Dichloropropene
Concen: 18.426 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion: 75 Resp: 85561
Ion Ratio Lower Upper
75 100
77 30.8 24.9 37.3

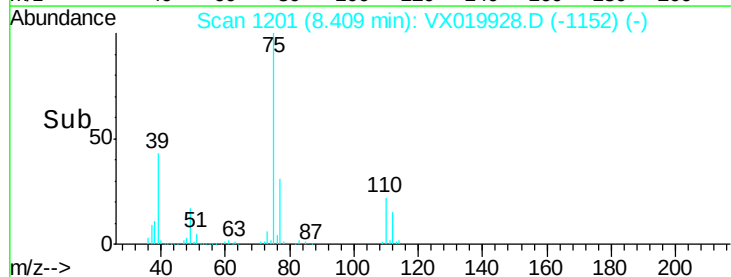
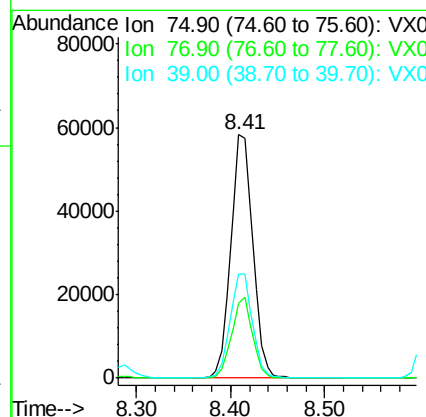
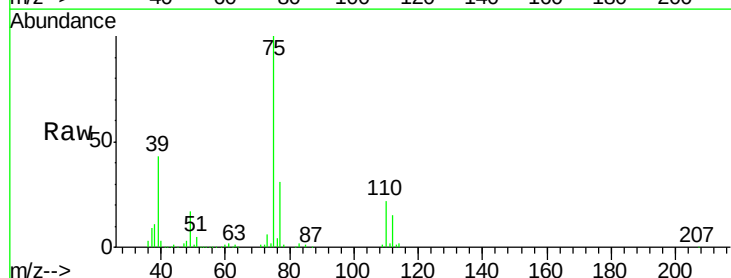
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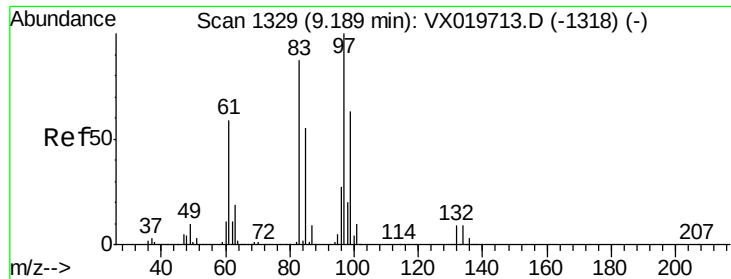
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.807 ug/l
RT: 8.41 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion: 75 Resp: 94874
Ion Ratio Lower Upper
75 100
77 30.9 25.7 38.5
39 42.7 35.1 52.7





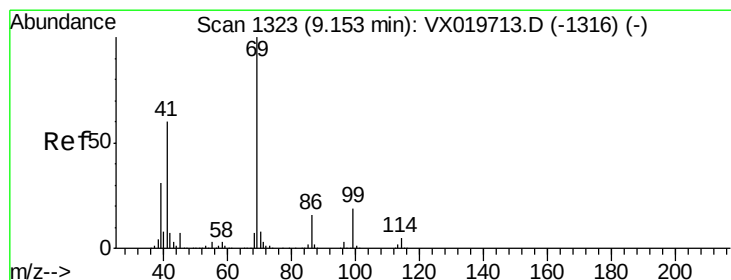
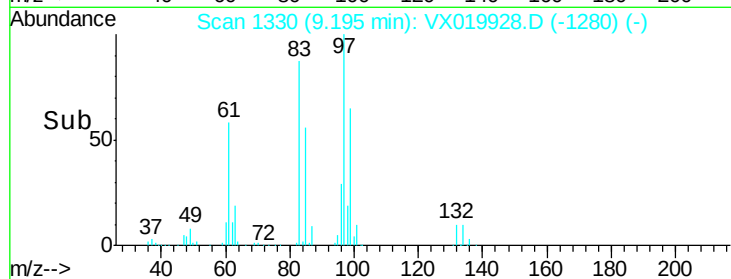
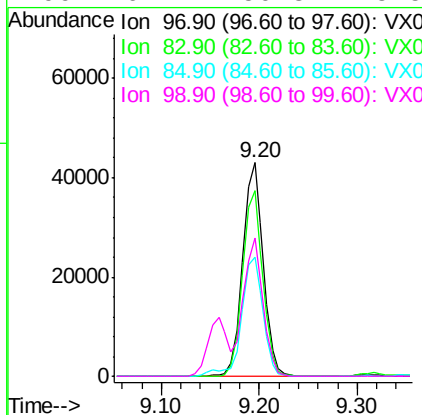
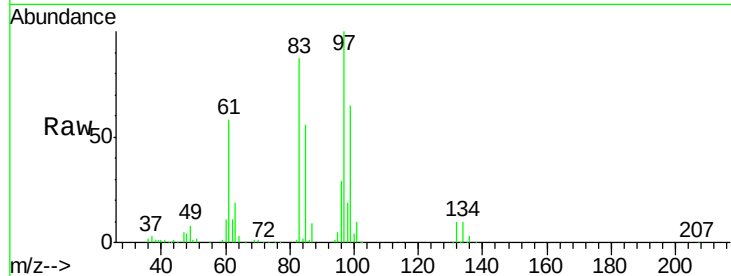
#55
 1,1,2-Trichloroethane
 Concen: 19.818 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion:	97	Resp:	62408
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.3	103.9
85	55.5	44.3	66.5
99	64.7	50.3	75.5

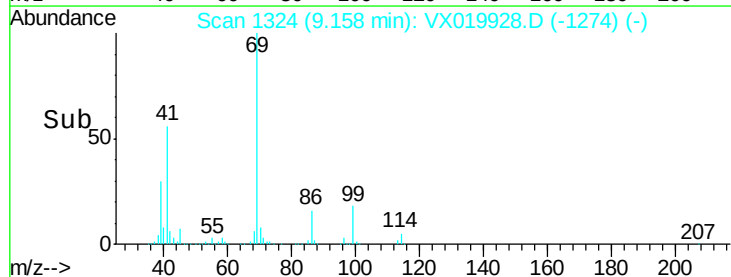
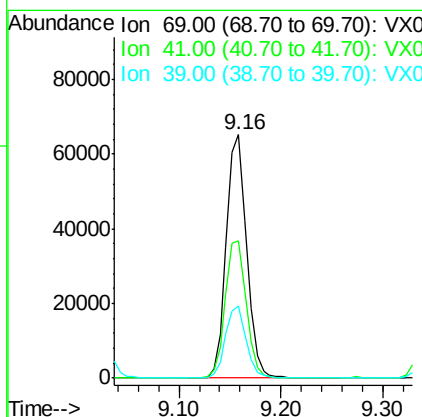
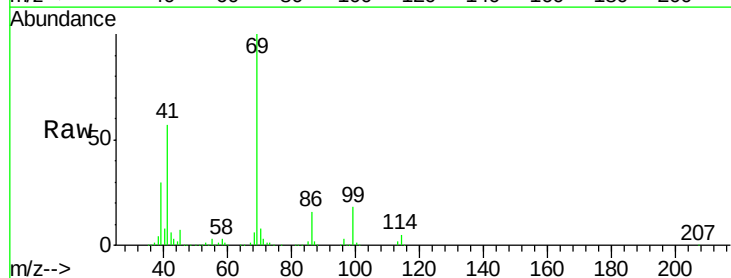
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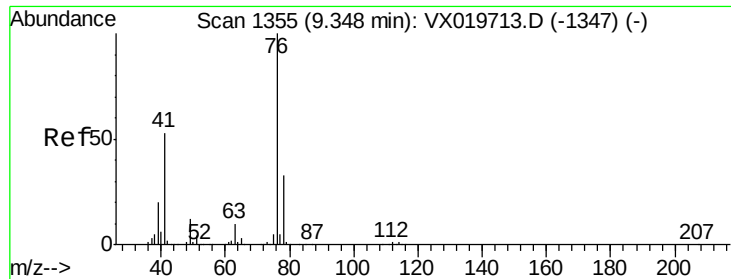
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 12/15/2020 4:49:30 PM



#56
 Ethyl methacrylate
 Concen: 18.931 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Tgt Ion:	69	Resp:	90195
Ion	Ratio	Lower	Upper
69	100		
41	58.8	46.8	70.2
39	29.8	24.7	37.1





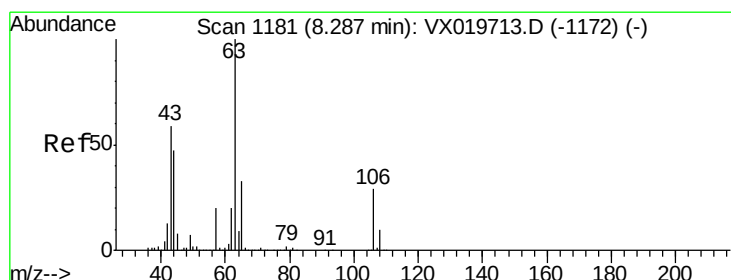
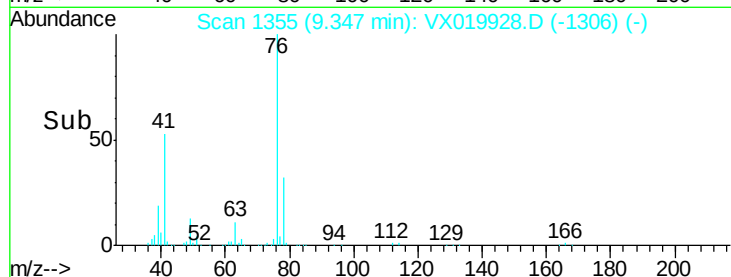
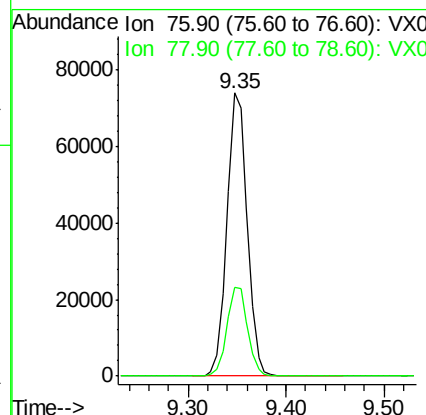
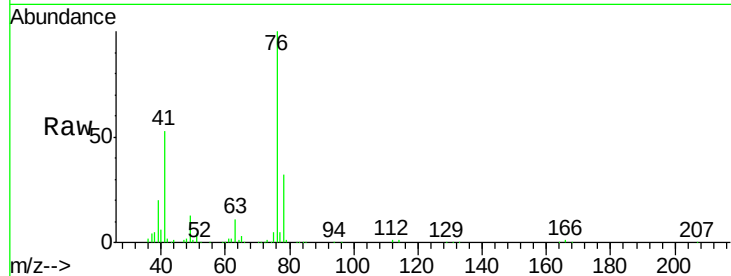
#57
 1,3-Dichloropropane
 Concen: 19.718 ug/l
 RT: 9.35 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion: 76 Resp: 106025
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

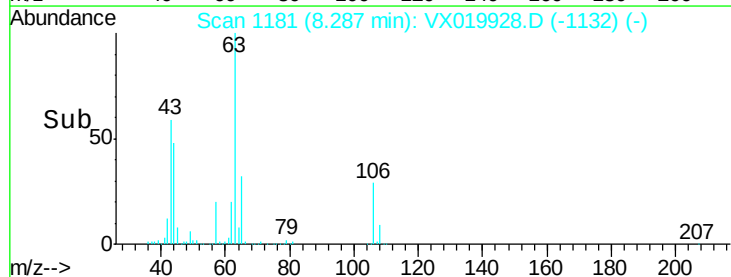
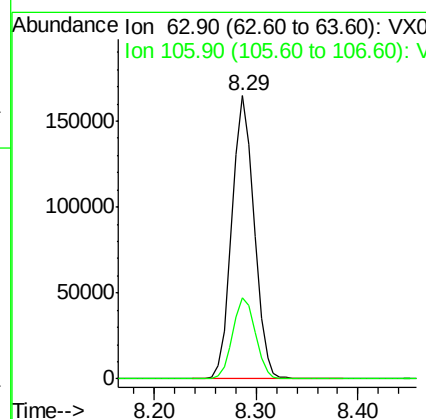
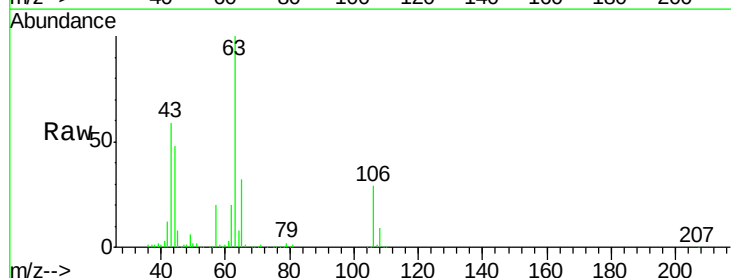
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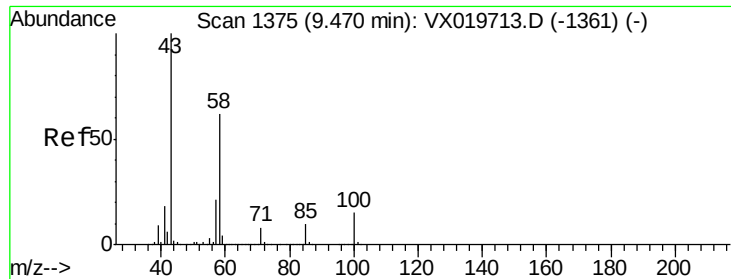
MMDadoda
 12/15/2020 4:49:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.440 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Tgt Ion: 63 Resp: 248465
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.5 35.3





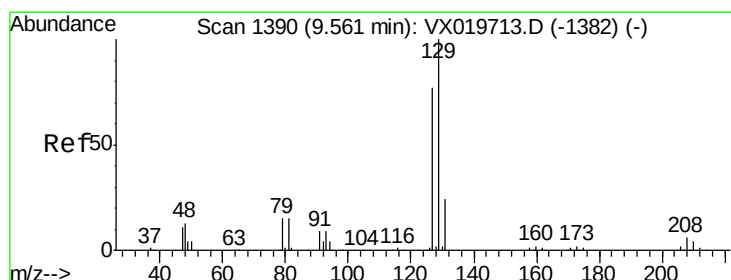
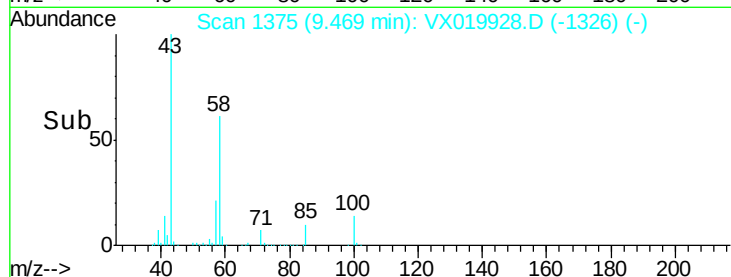
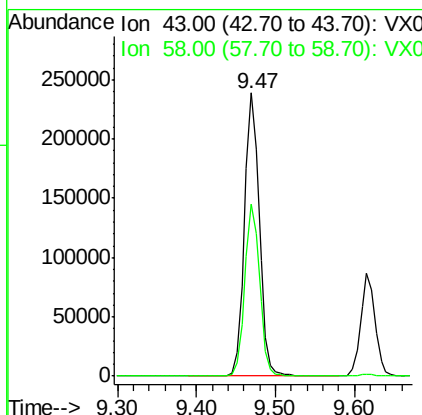
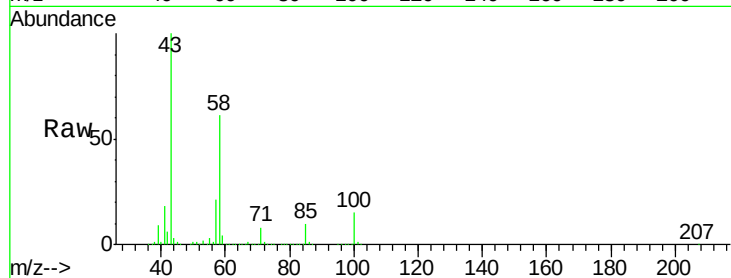
#59
2-Hexanone
Concen: 98.582 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.7	30.9	92.8

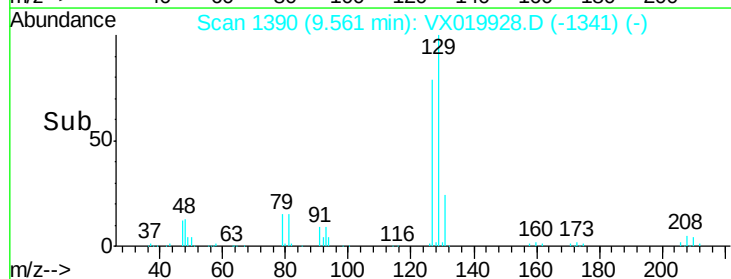
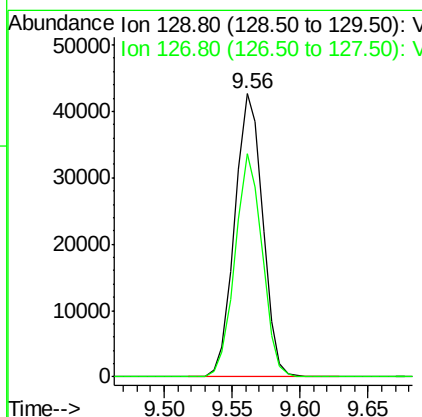
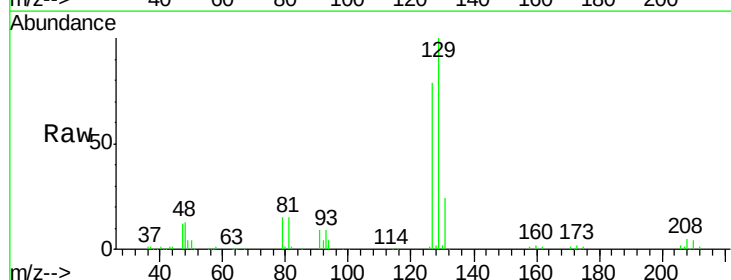
Manual Integrations
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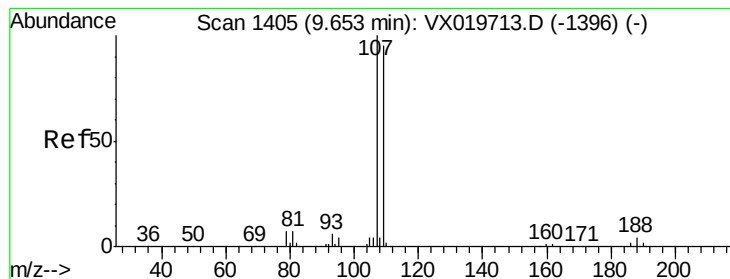
MMDadoda
12/15/2020 4:49:30 PM



#60
Dibromochloromethane
Concen: 19.126 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.4	115.2





#61

1,2-Dibromoethane

Concen: 19.422 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion:107 Resp: 64947

Ion Ratio Lower Upper

107 100

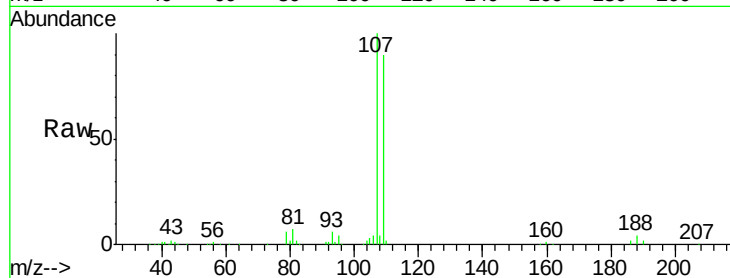
109 93.7 75.8 113.6

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

50000

40000

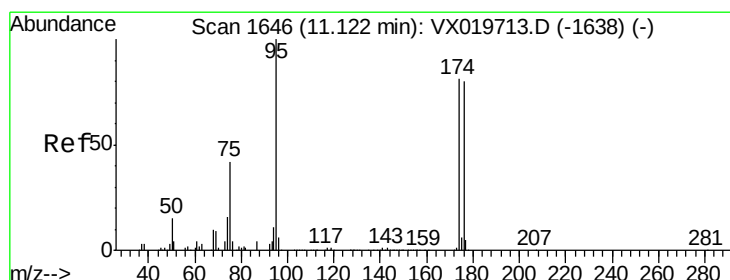
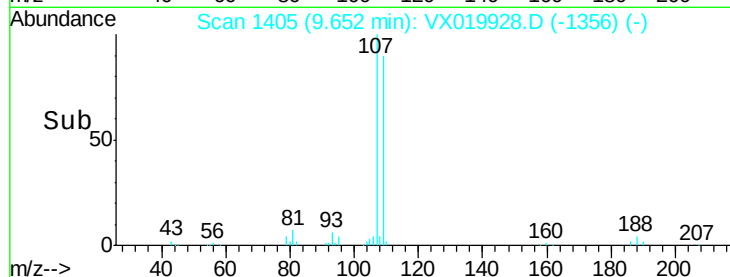
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.863 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

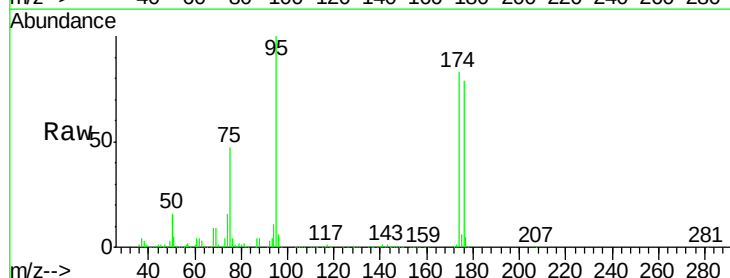
Tgt Ion: 95 Resp: 203454

Ion Ratio Lower Upper

95 100

174 77.7 0.0 154.6

176 75.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

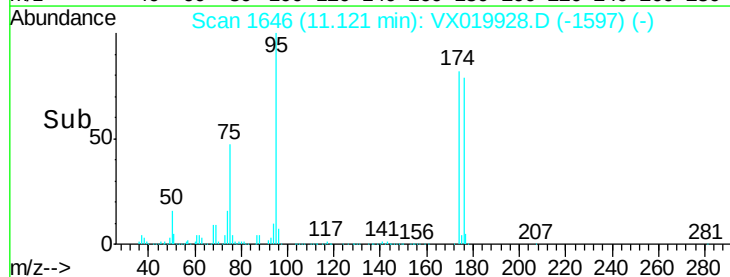
150000

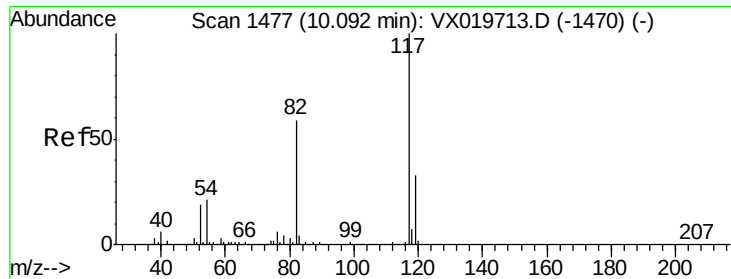
100000

50000

0

Time-->





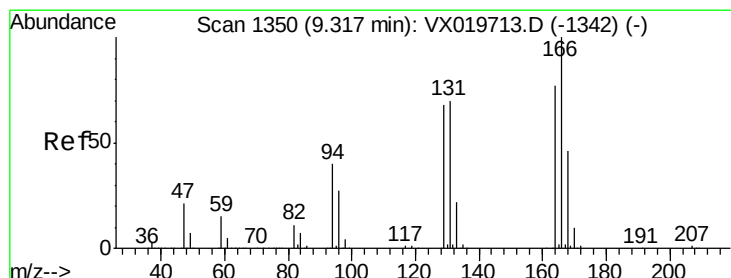
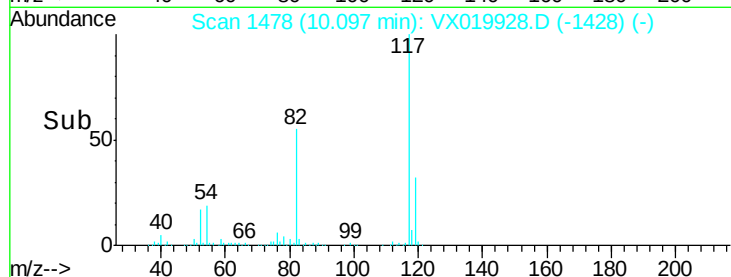
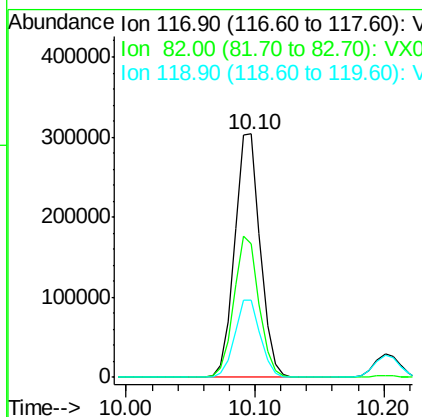
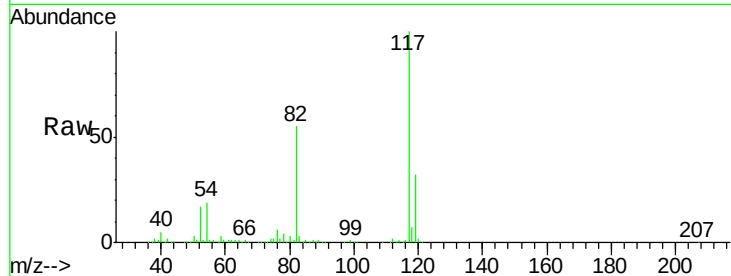
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419095		
82	54.6		47.4	71.2
119	31.9		26.6	39.8

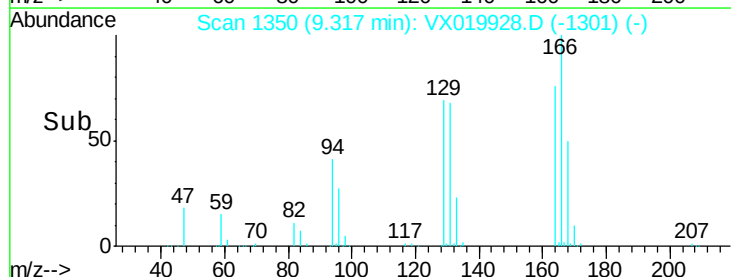
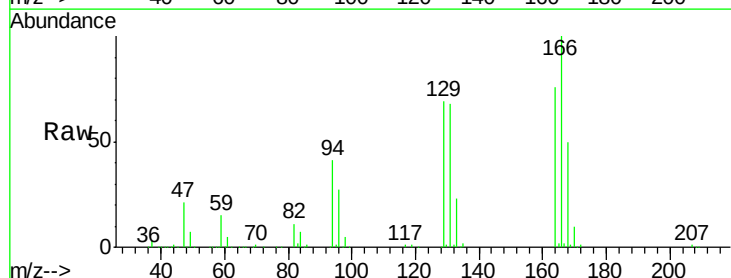
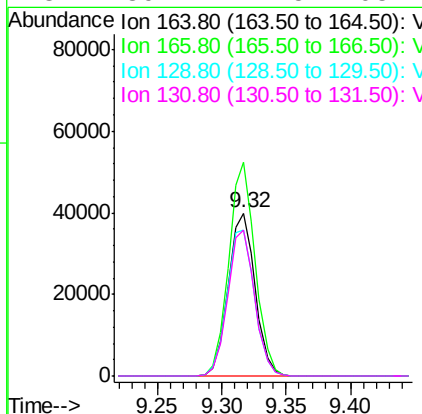
Manual Integrations
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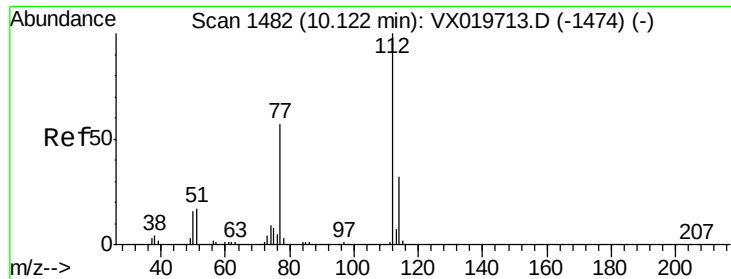
MMDadoda
12/15/2020 4:49:30 PM



#64
Tetrachloroethene
Concen: 20.744 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58302		
166	131.2		103.4	155.2
129	89.9		70.8	106.2
131	89.4		72.5	108.7





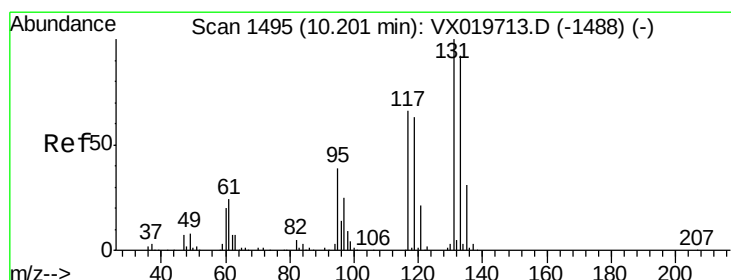
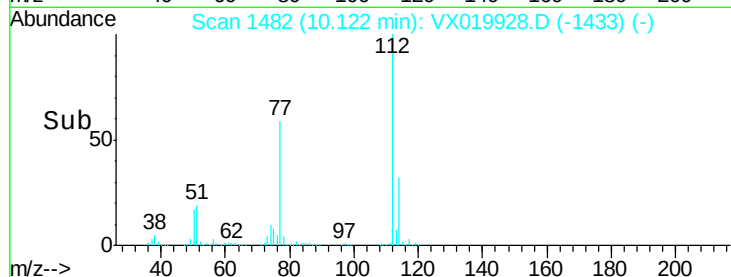
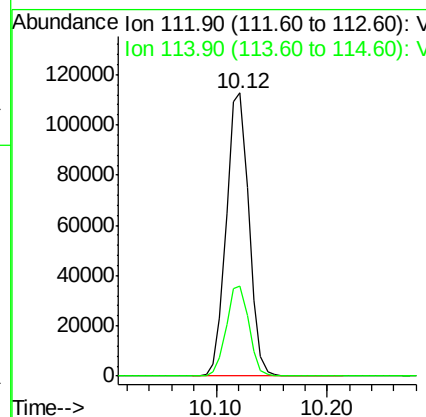
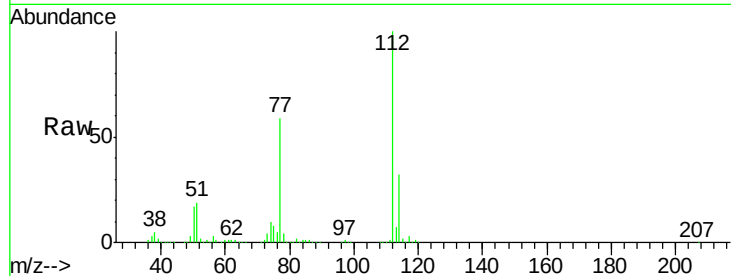
#65
Chlorobenzene
Concen: 18.943 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion:112 Resp: 158163
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

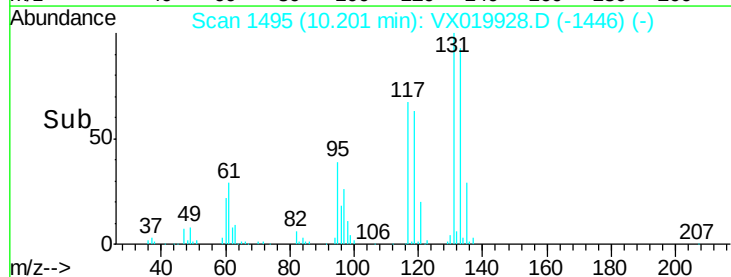
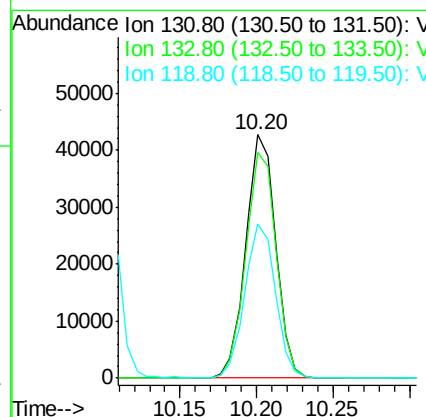
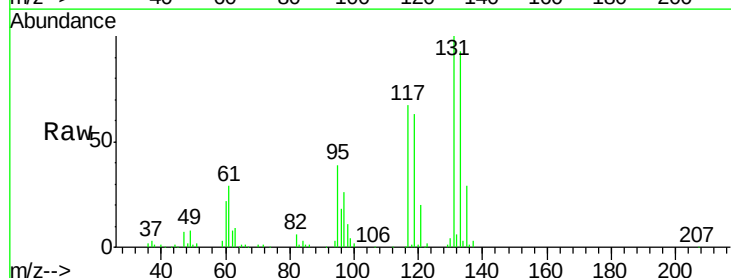
Manual Integrations
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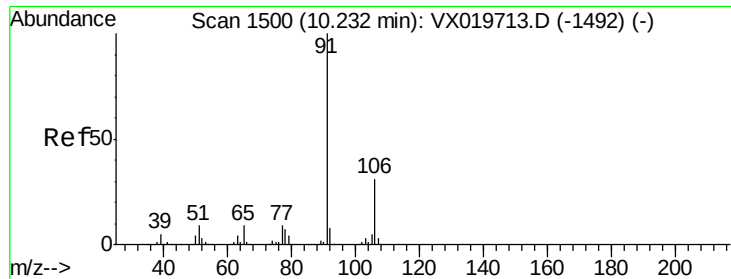
MMDadoda
12/15/2020 4:49:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.323 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion:131 Resp: 58070
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 64.8 32.1 96.5





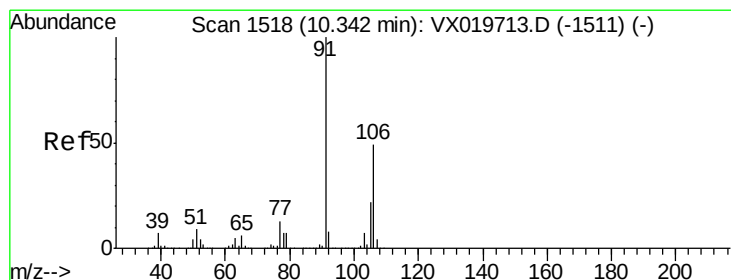
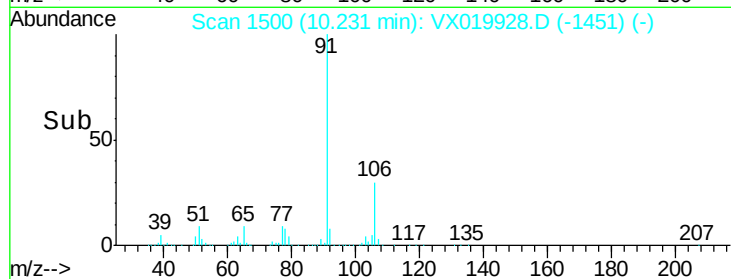
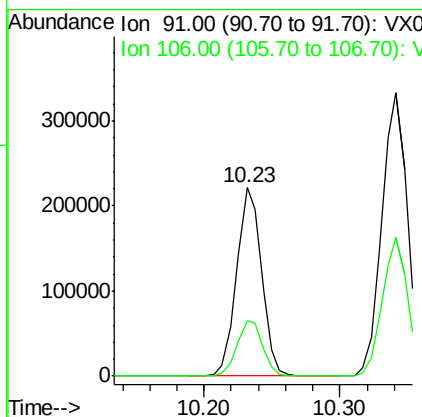
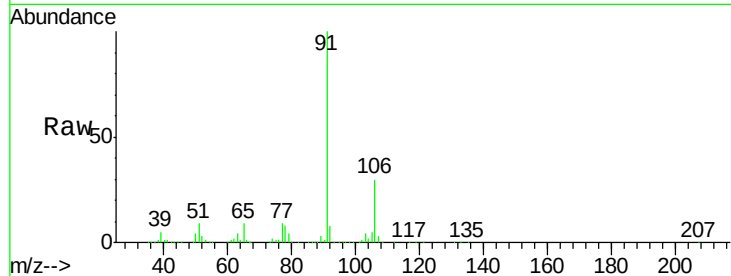
#67
Ethyl Benzene
Concen: 19.086 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion: 91 Resp: 282874
Ion Ratio Lower Upper
91 100
106 29.8 24.6 37.0

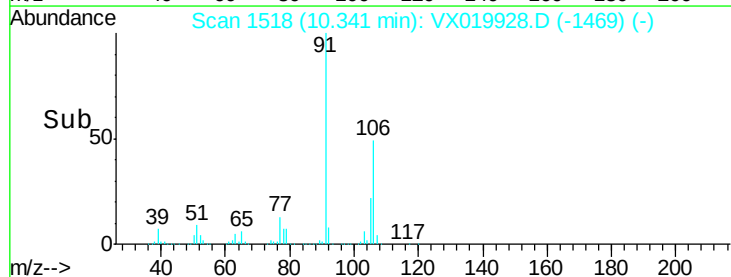
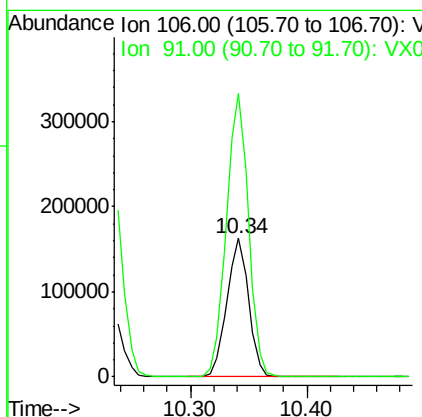
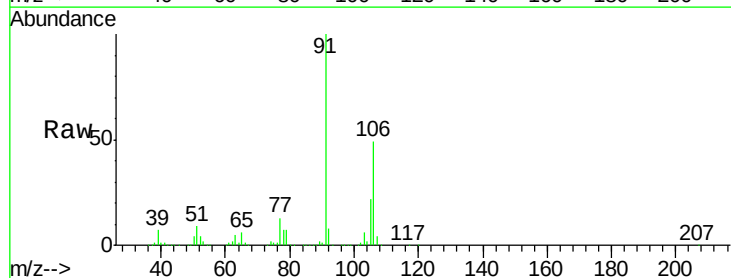
Manual Integrations
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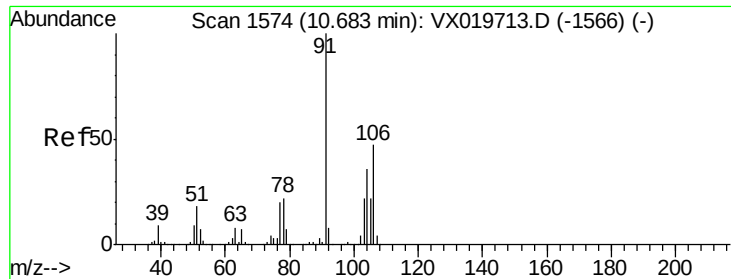
MMDadoda
12/15/2020 4:49:30 PM



#68
m/p-Xylenes
Concen: 37.771 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion: 106 Resp: 210942
Ion Ratio Lower Upper
106 100
91 207.1 162.8 244.2





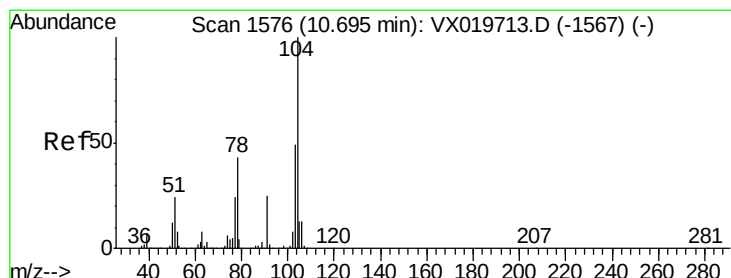
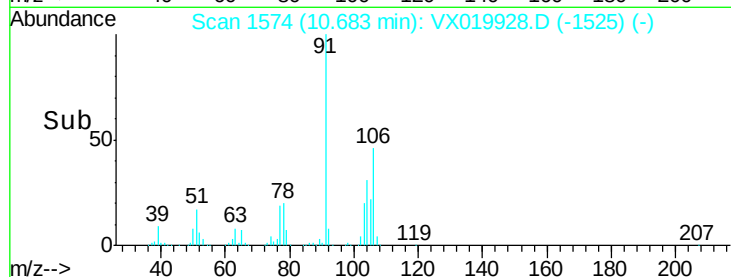
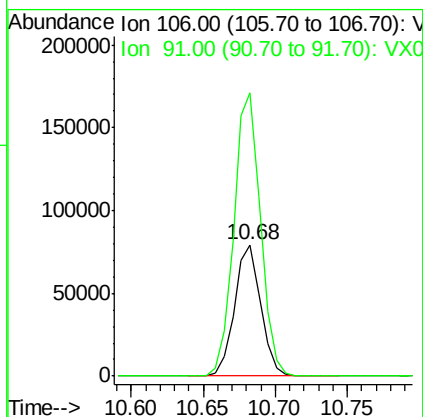
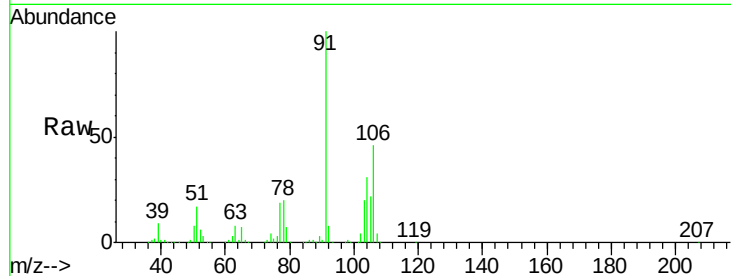
#69
o-Xylene
Concen: 18.713 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	219.9	108.1	324.2		

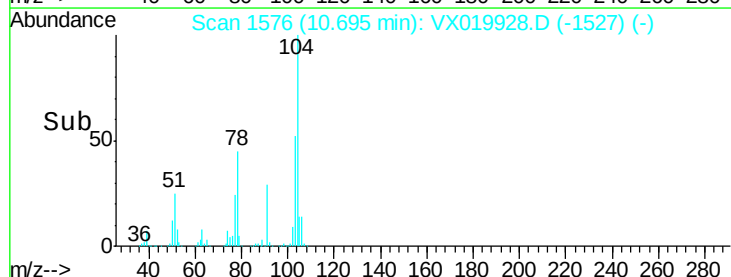
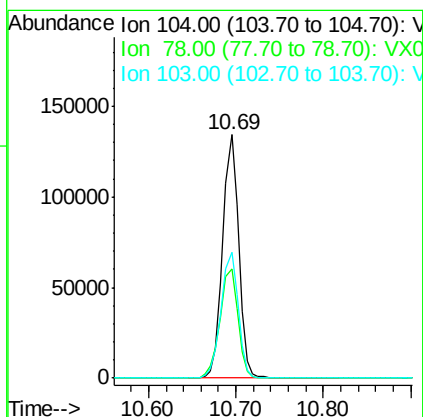
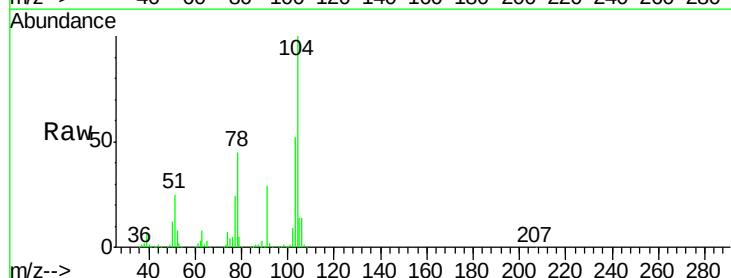
Manual Integrations
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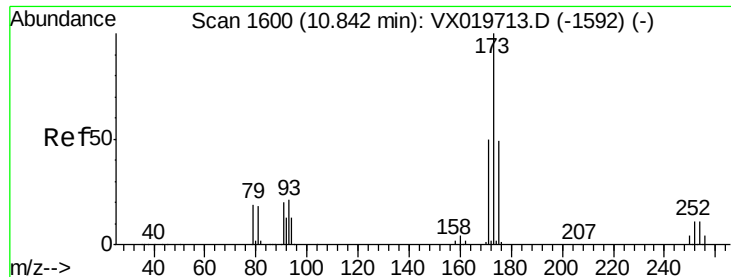
MMDadoda
12/15/2020 4:49:30 PM



#70
Styrene
Concen: 18.737 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	50.4	40.0	60.0		
103	55.6	43.4	65.0		





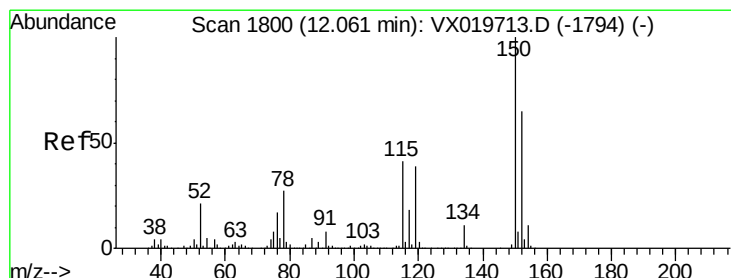
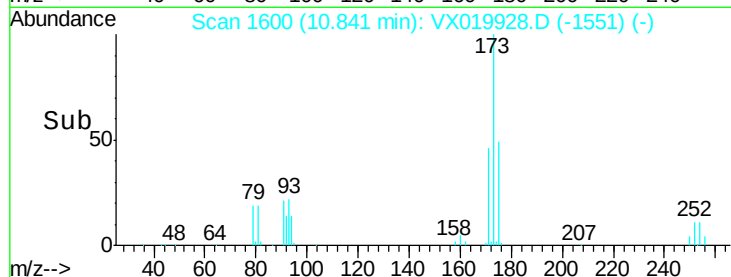
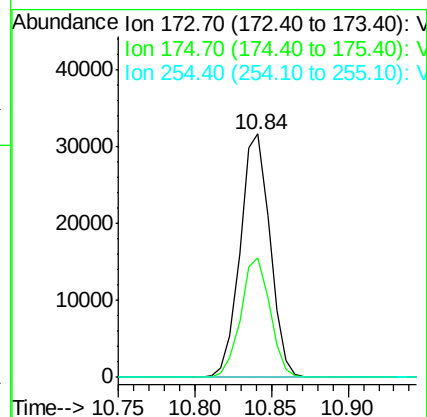
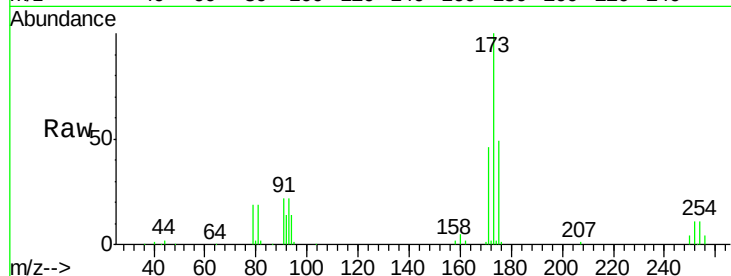
#71
Bromoform
Concen: 18.114 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.9	71.8
254	0.0	0.1	0.1#

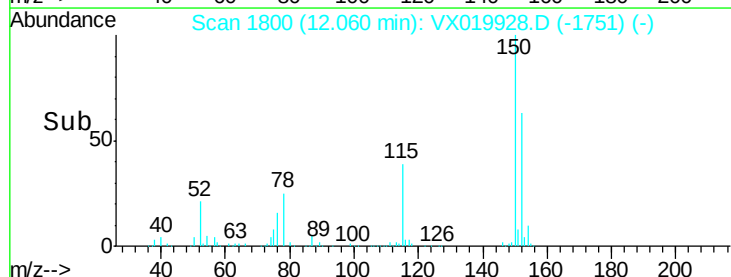
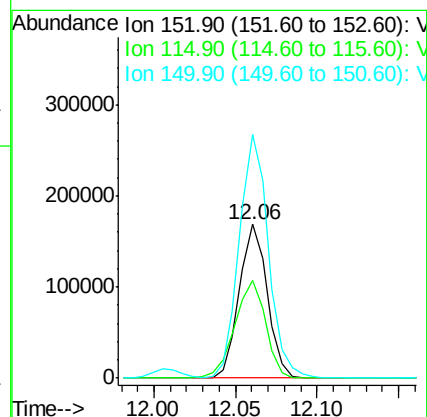
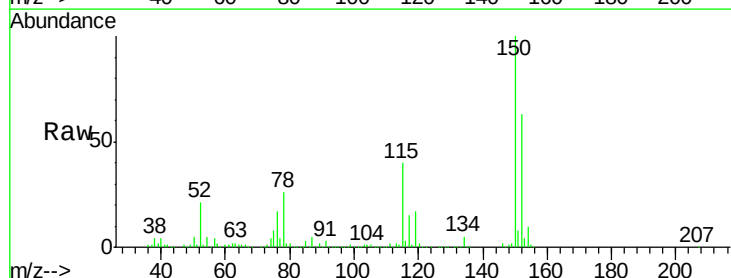
Manual Integrations
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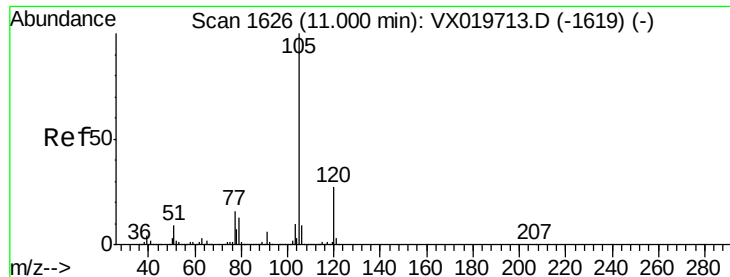
MMDadoda
12/15/2020 4:49:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.6	41.1	123.3
150	165.6	0.0	349.0





#73

Isopropylbenzene

Concen: 20.190 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion:105 Resp: 278383

Ion Ratio Lower Upper

105 100

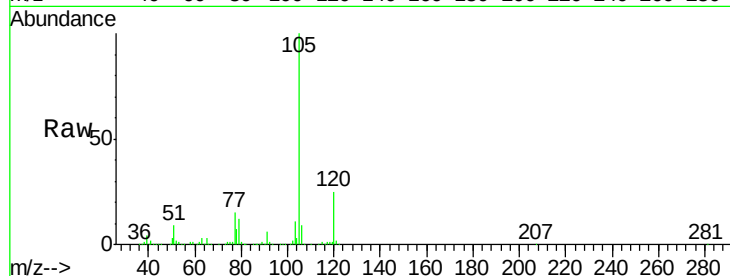
120 25.8 13.2 39.6

Manual Integrations

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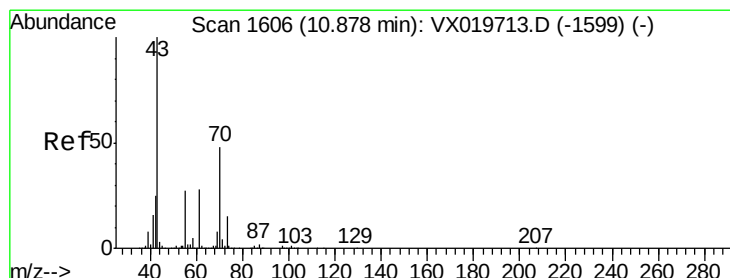
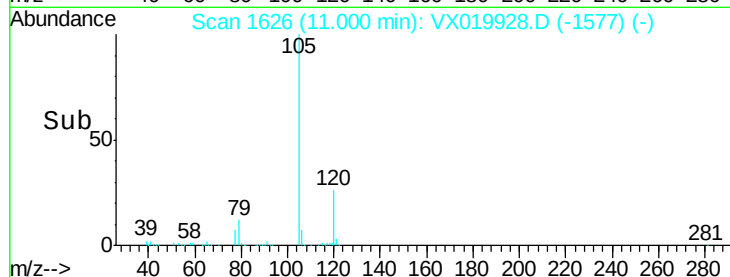
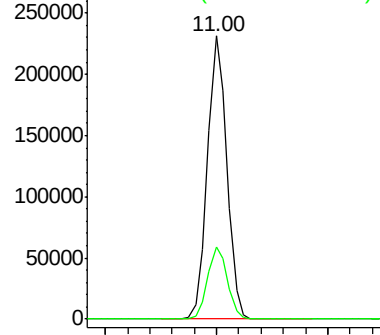
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.543 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Tgt Ion: 43 Resp: 102456

Ion Ratio Lower Upper

43 100

70 48.8 39.0 58.6

55 28.2 21.5 32.3

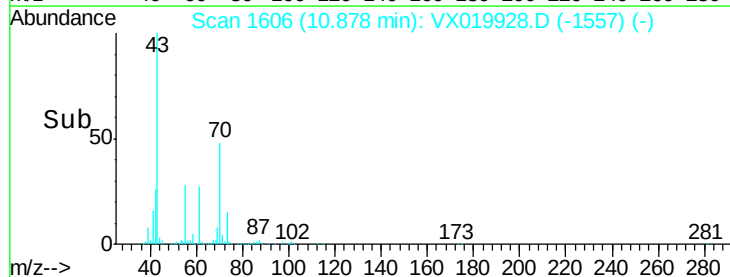
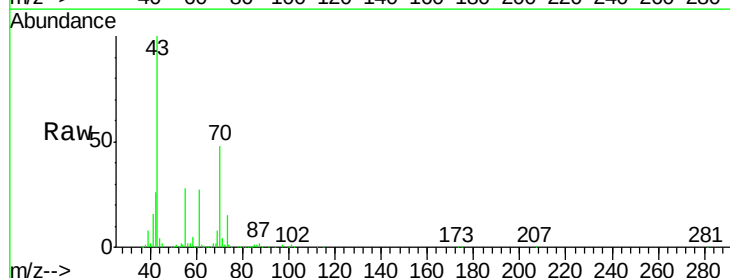
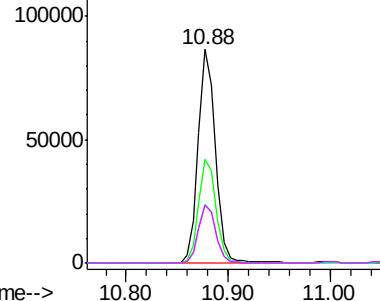
61 27.1 22.1 33.1

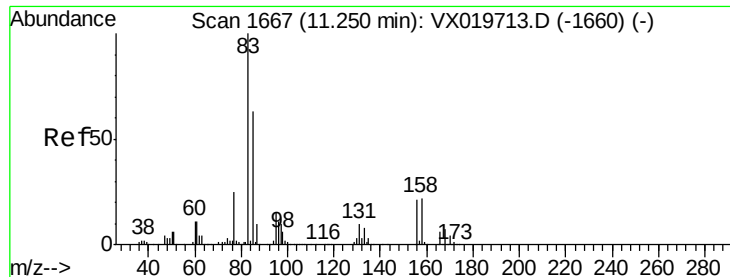
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.075 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

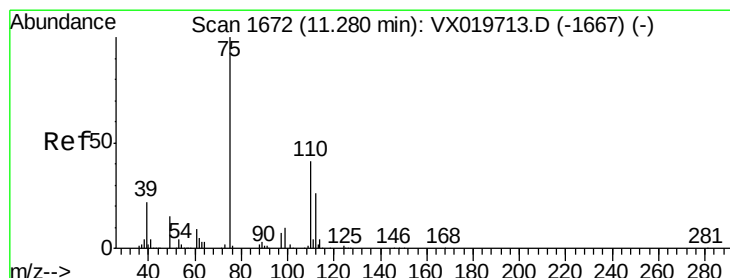
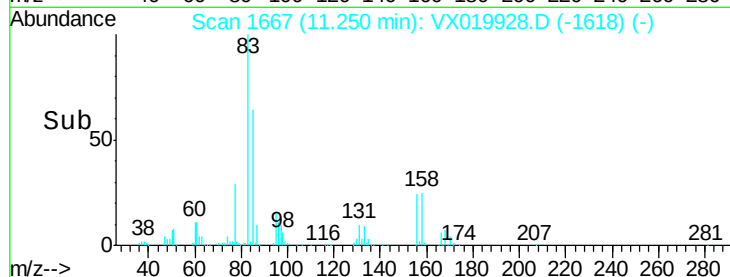
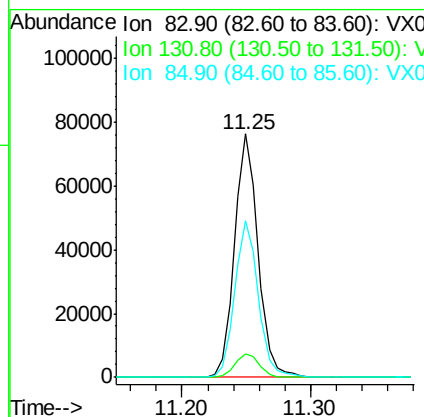
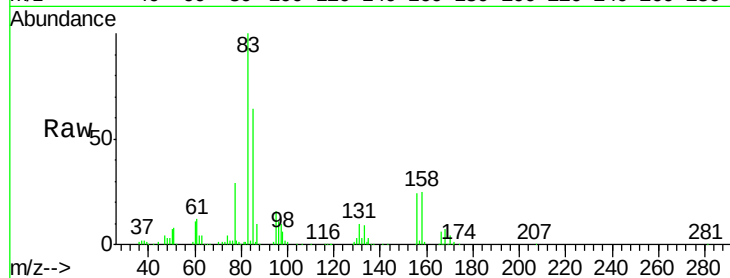
ClientSampleId :

VX1212WBS01

Tot Ion:	83	Resp:	97586
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	64.5	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.002 ug/l m

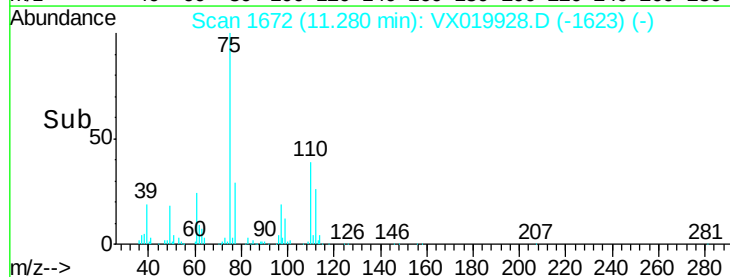
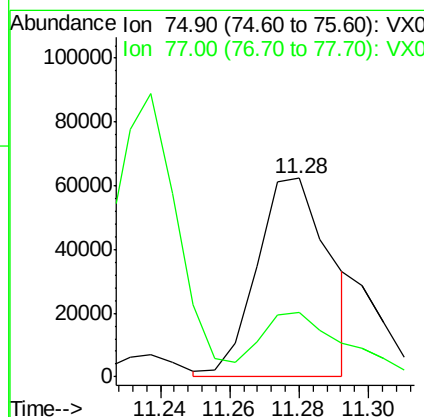
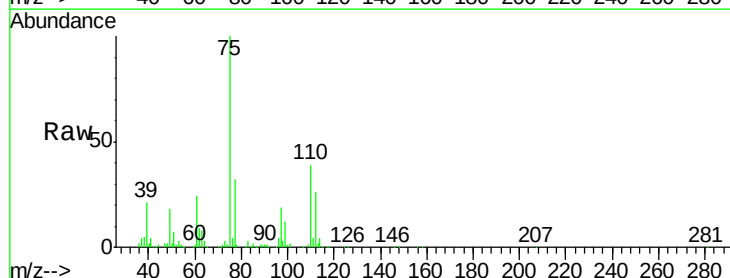
RT: 11.28 min Scan# 1672

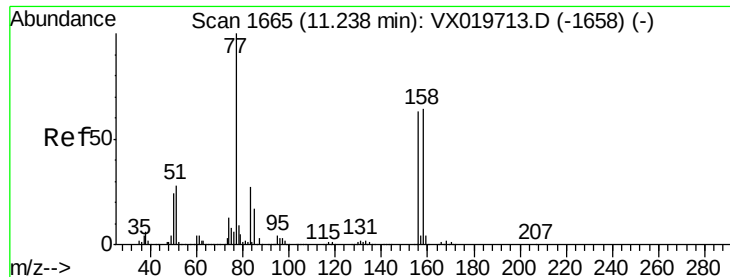
Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Tgt Ion:	75	Resp:	90536
Ion Ratio	Lower	Upper	
75	100		
77	37.5	19.1	57.5





#77

Bromobenzene

Concen: 19.715 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

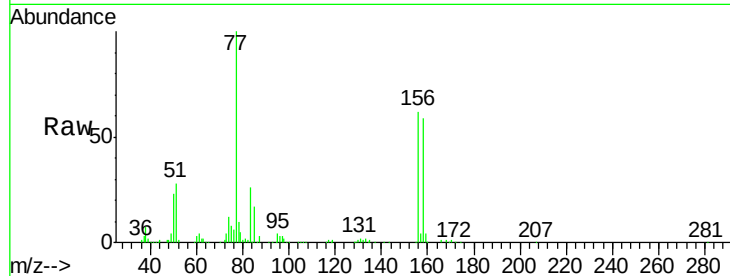
ClientSampleId :

VX1212WBS01

Tot Ion:	156	Resp:	69563
Ion Ratio	Lower	Upper	
156	100		
77	165.2	82.8	248.6
158	96.5	49.1	147.4

Manual Integrations
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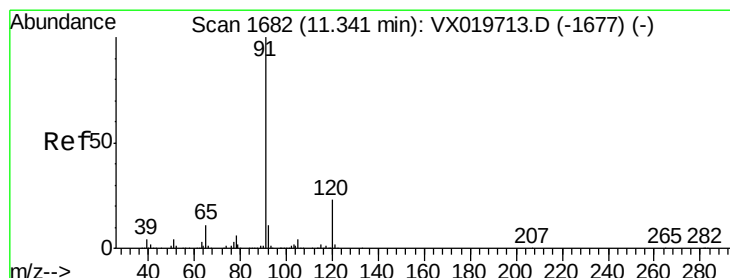
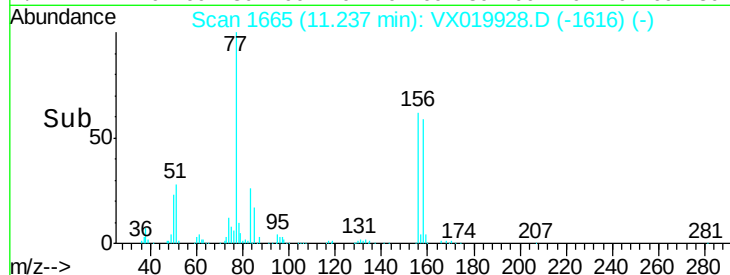
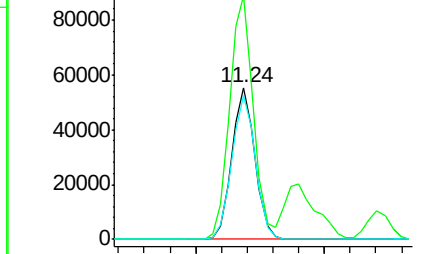
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.224 ug/l

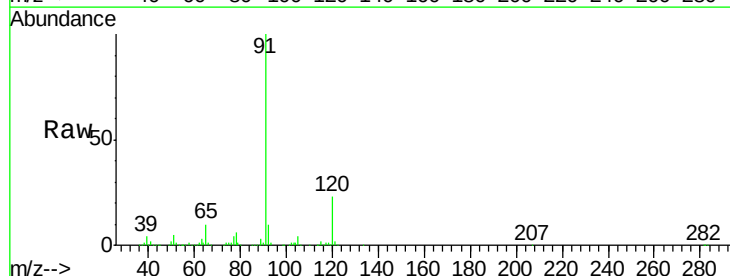
RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019928.D

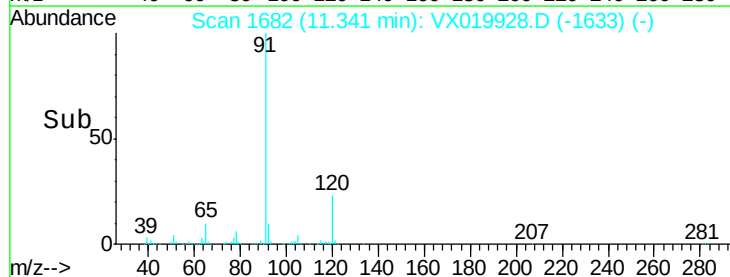
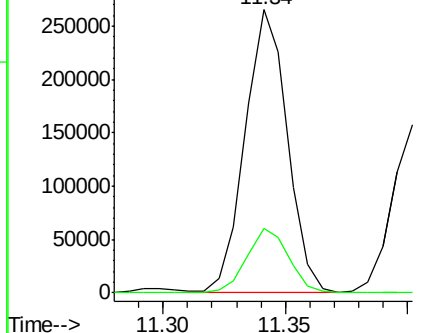
Acq: 12 Dec 2020 13:35

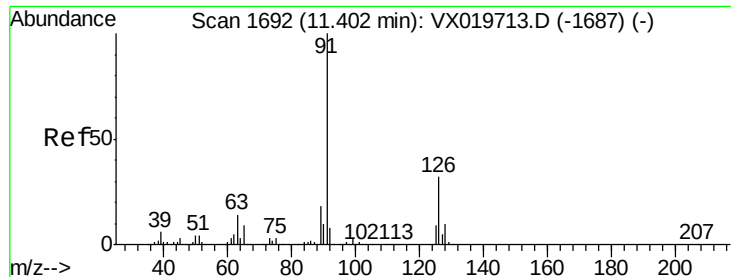
Tgt Ion:	91	Resp:	318481
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.861 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 91 Resp: 192606

Ion Ratio Lower Upper

91 100

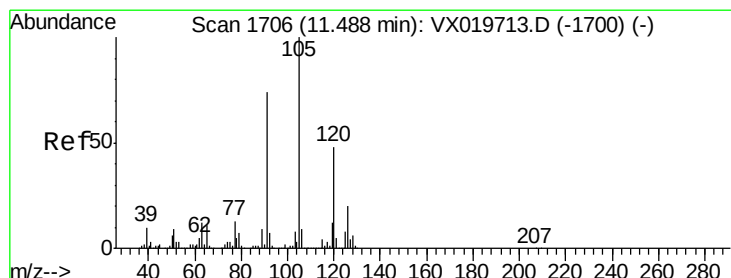
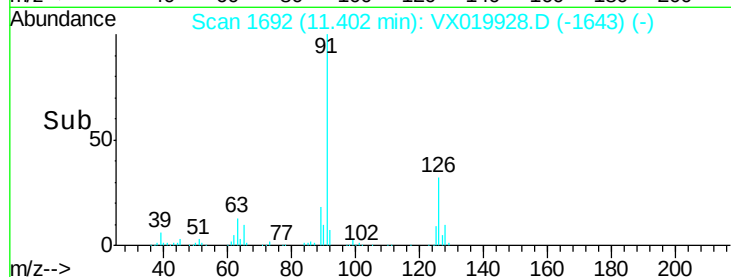
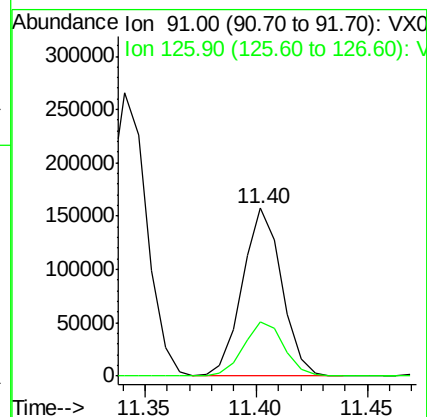
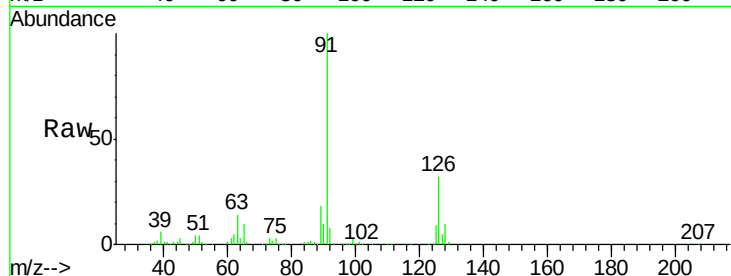
126 33.0 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.030 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019928.D

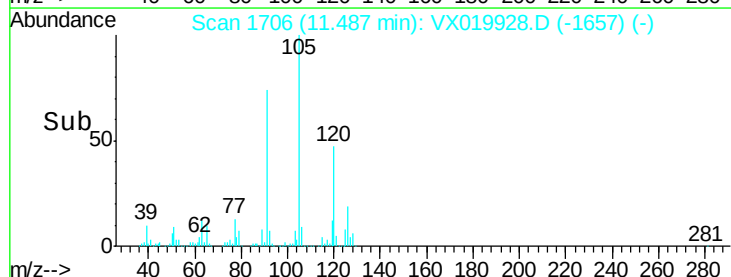
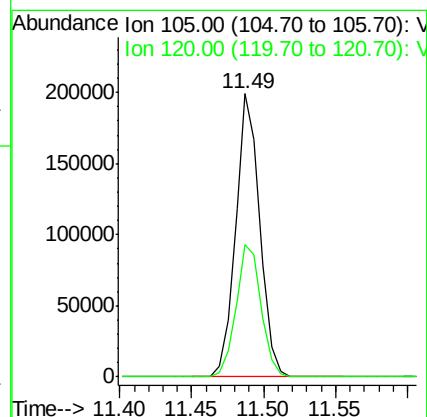
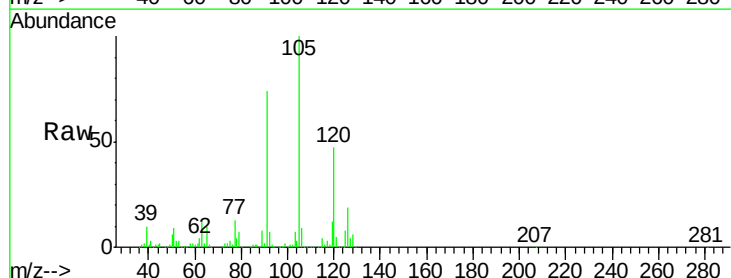
Acq: 12 Dec 2020 13:35

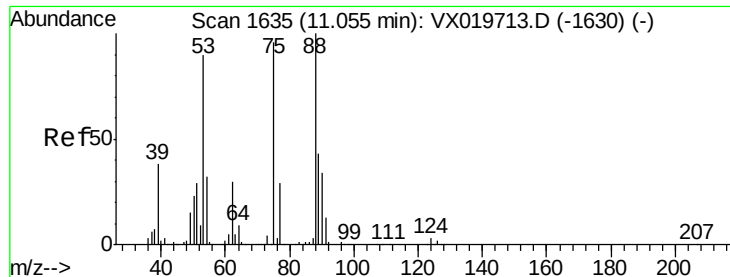
Tgt Ion: 105 Resp: 233084

Ion Ratio Lower Upper

105 100

120 48.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.750 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBS01

Tot Ion: 75 Resp: 27792

Ion Ratio Lower Upper

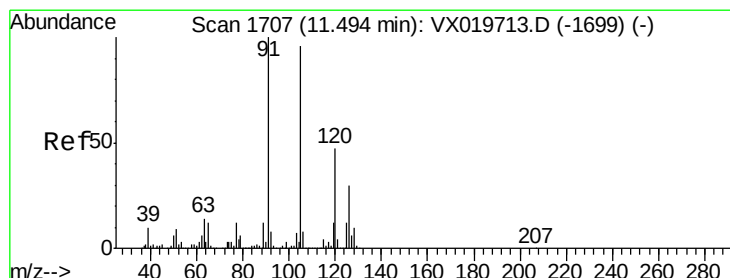
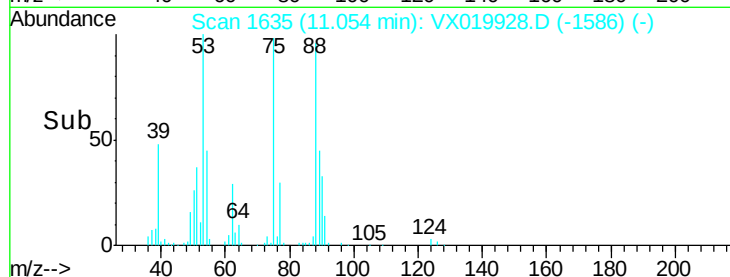
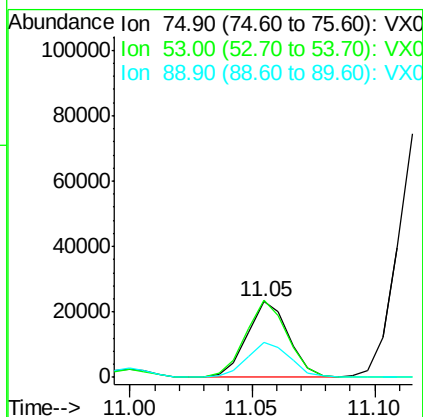
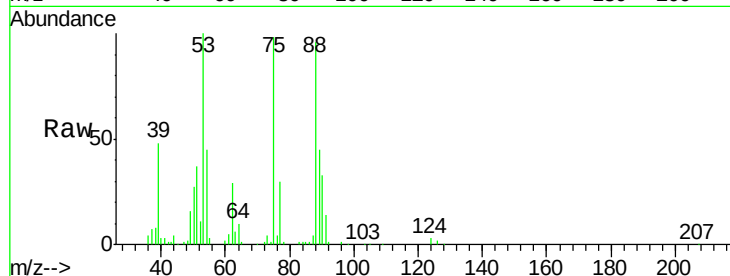
75 100

53 101.7 74.5 111.7

89 47.0 37.9 56.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.858 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019928.D

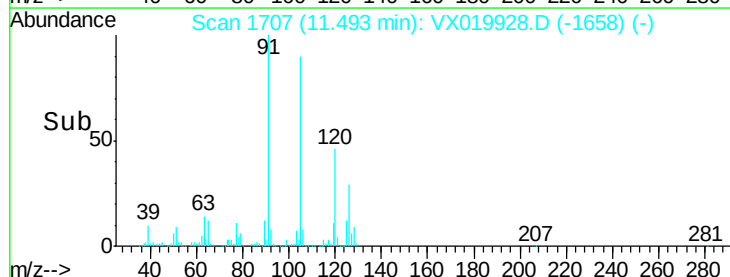
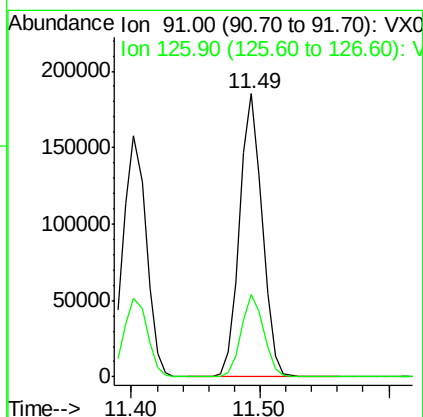
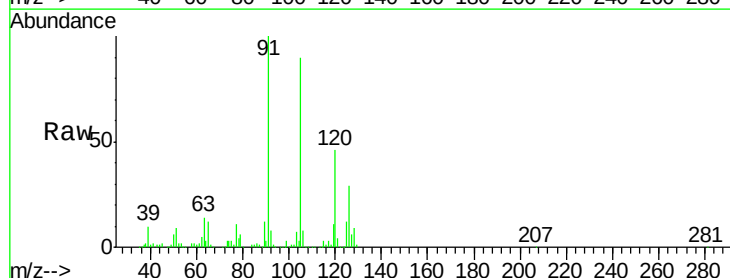
Acq: 12 Dec 2020 13:35

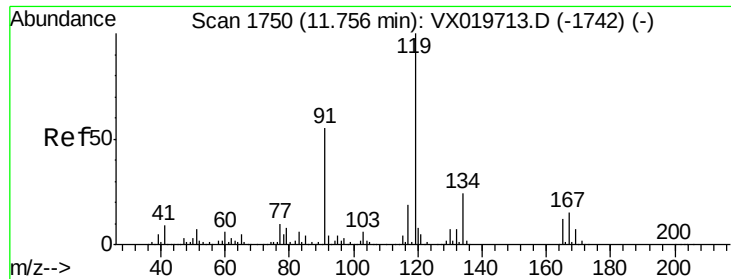
Tgt Ion: 91 Resp: 225544

Ion Ratio Lower Upper

91 100

126 28.7 14.9 44.5





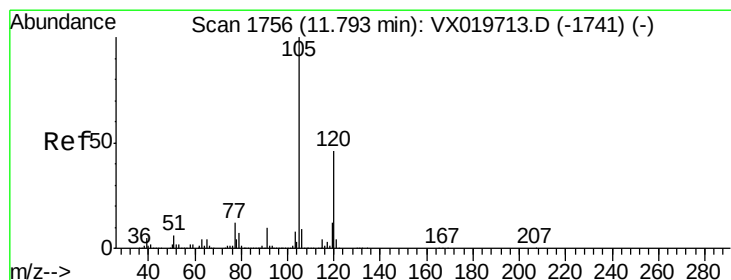
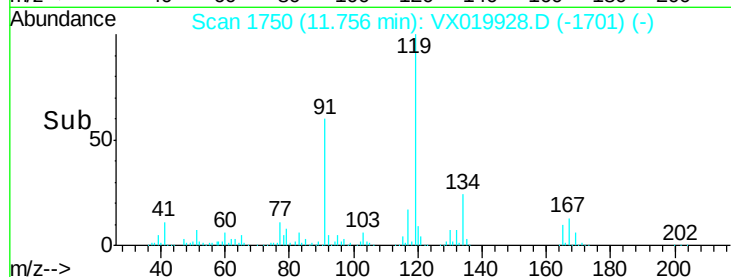
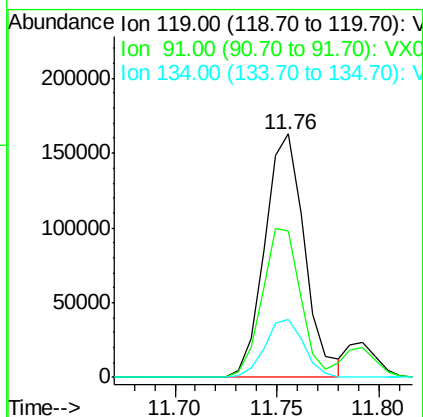
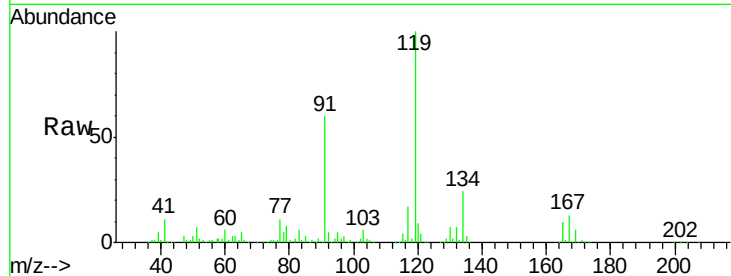
#83
 tert-Butylbenzene
 Concen: 19.387 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	221254		
91	59.0		27.9	83.7
134	23.2		11.3	33.9

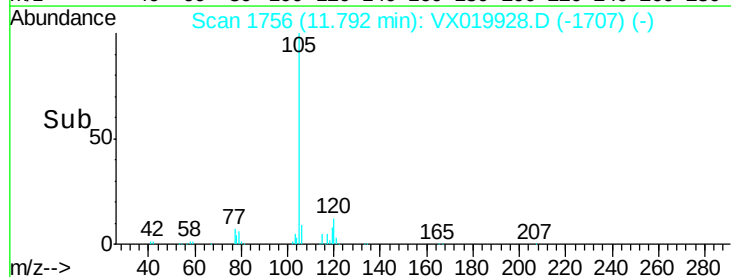
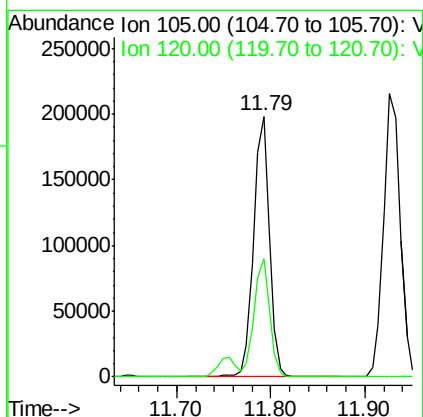
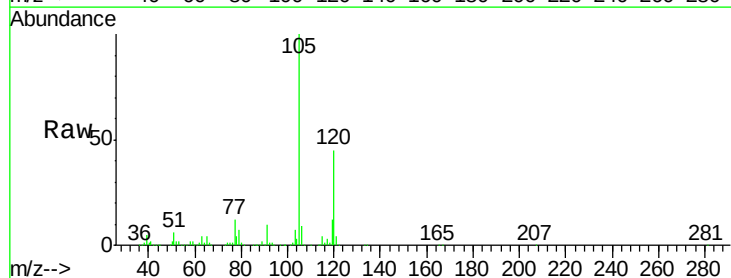
Manual Integrations
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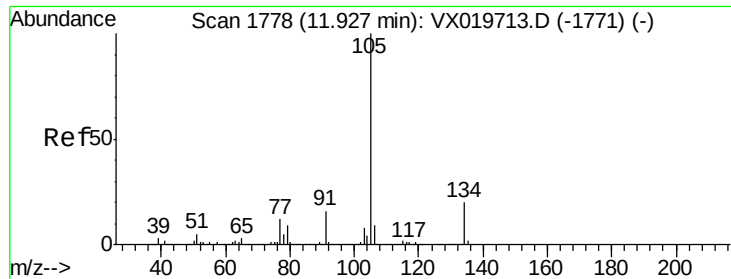
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.157 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	236275		
120	44.6		22.4	67.3





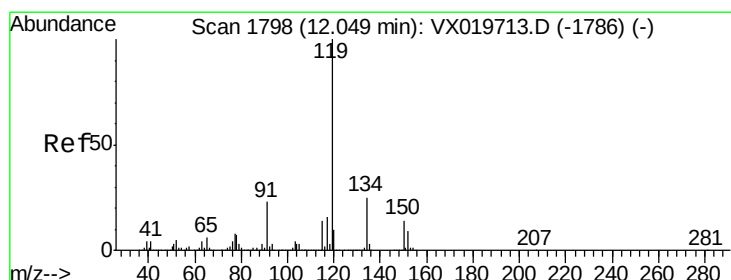
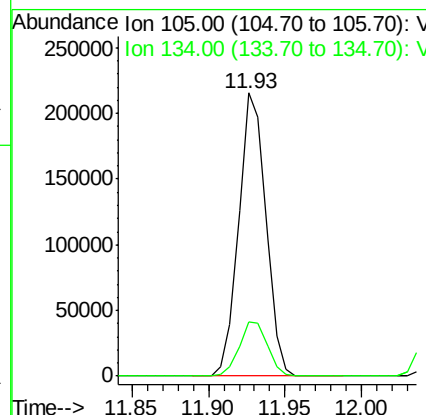
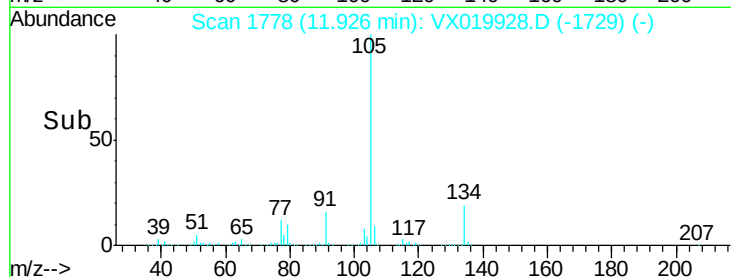
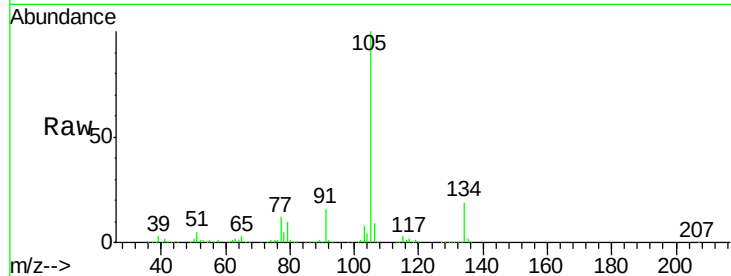
#85
 sec-Butylbenzene
 Concen: 20.394 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	265731		
134	19.7	10.0	29.8	

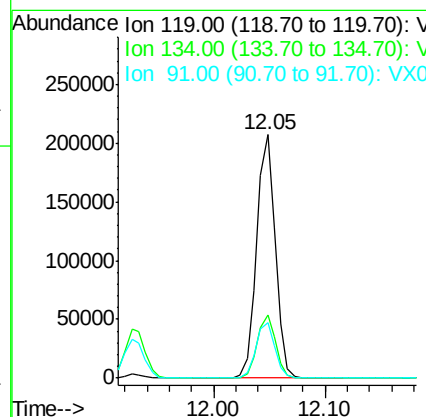
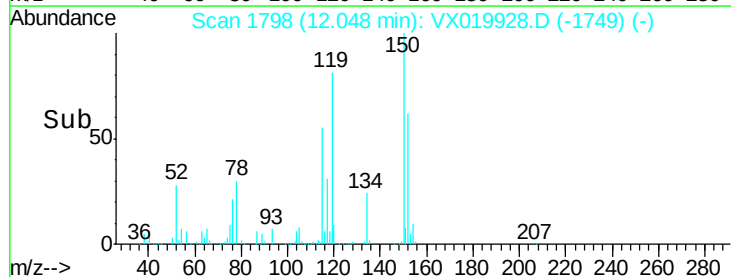
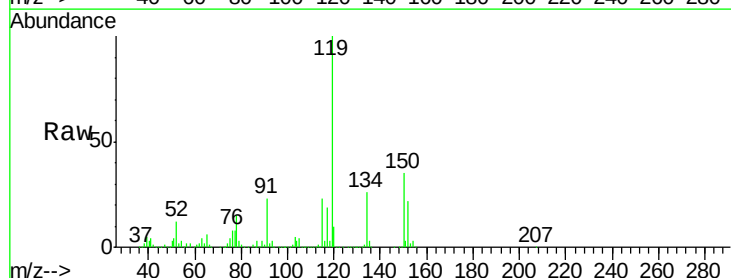
Manual Integrations
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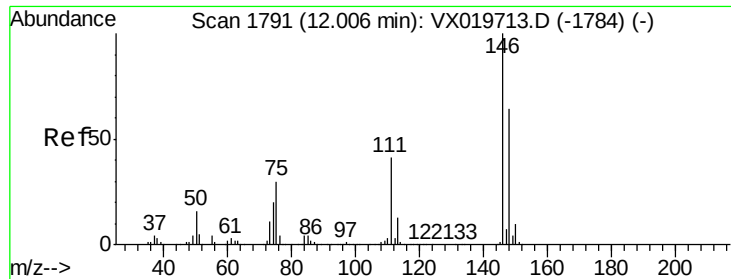
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.200 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	241229		
134	25.7	12.9	38.7	
91	23.5	11.7	35.0	





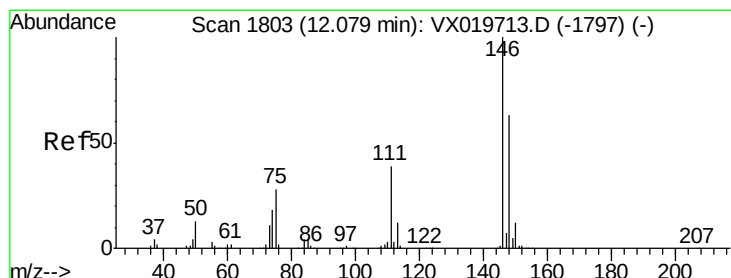
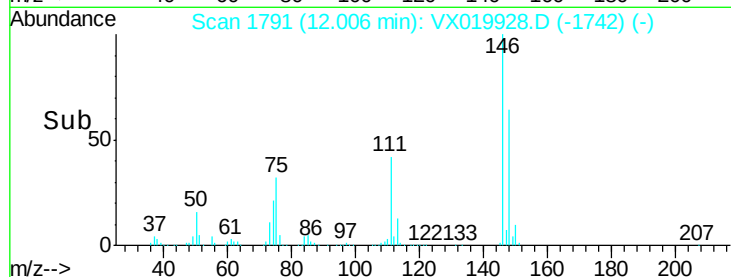
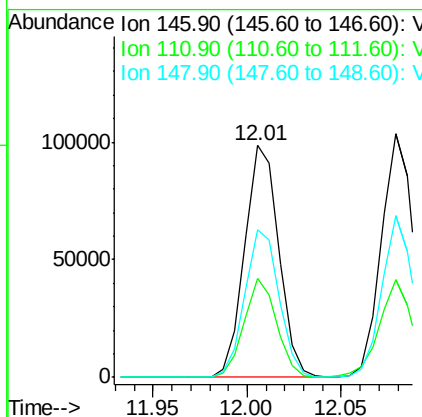
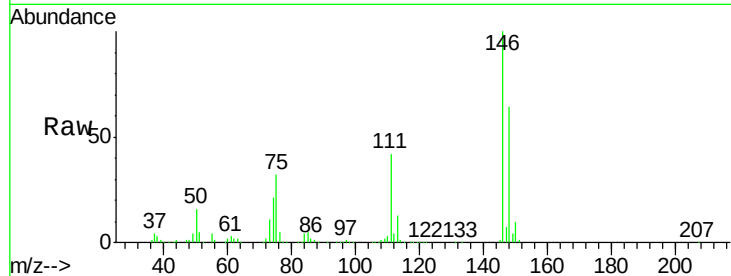
#87
 1,3-Dichlorobenzene
 Concen: 19.134 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Instrument :
 MSVOA_X
 ClientSampled :
 VX1212WBS01

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	40.7	20.2	60.5
148	64.1	31.9	95.7

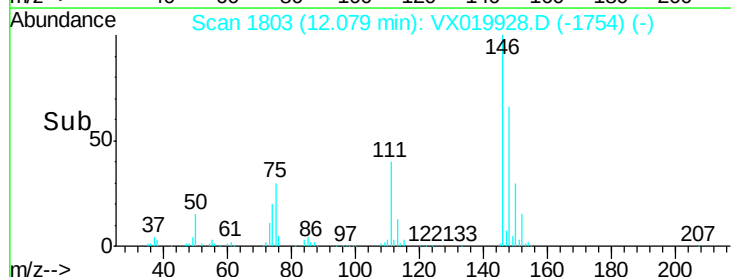
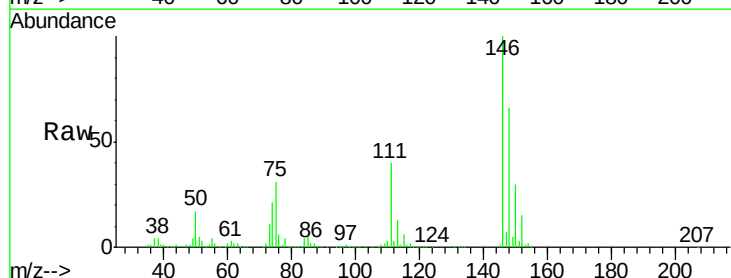
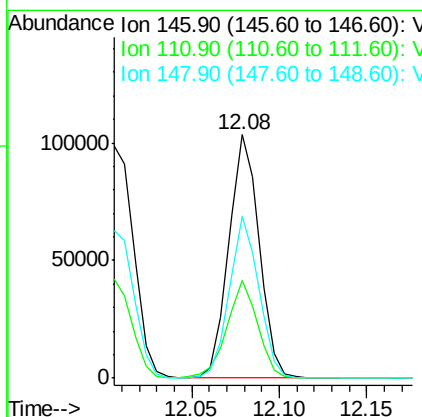
Manual Integrations
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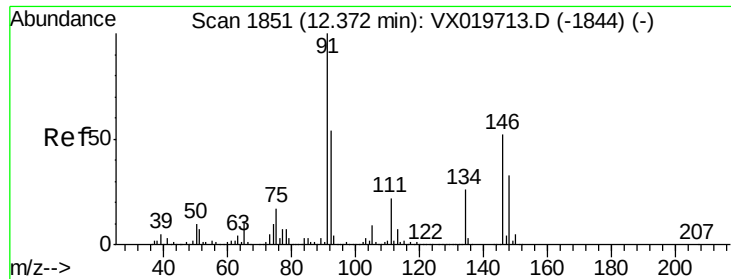
MMDadoda
 12/15/2020 4:49:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.917 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	41.0	19.6	58.8
148	65.0	31.6	95.0





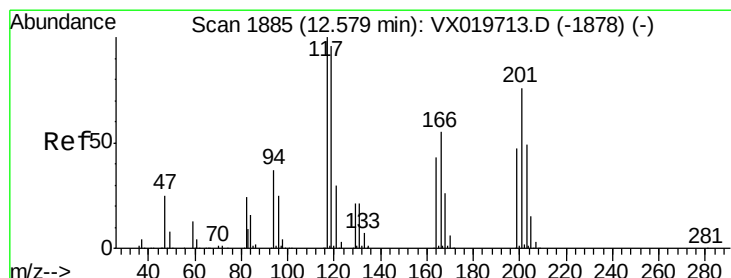
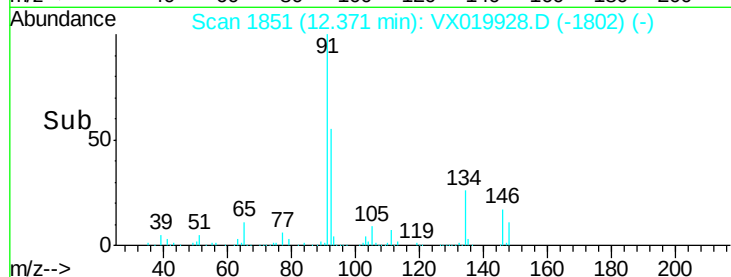
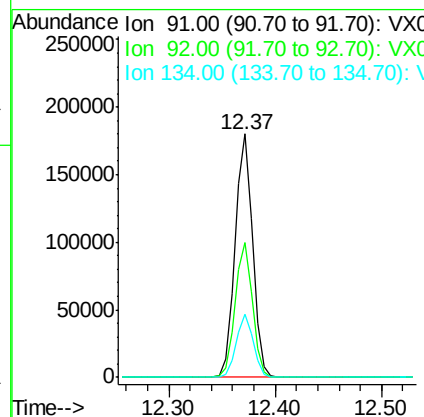
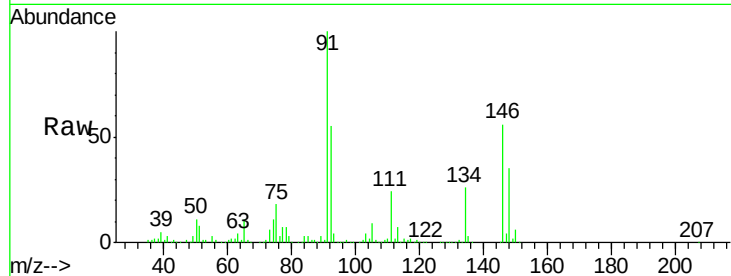
#89
n-Butylbenzene
Concen: 19.704 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.4	82.0
134	25.3	13.2	39.5

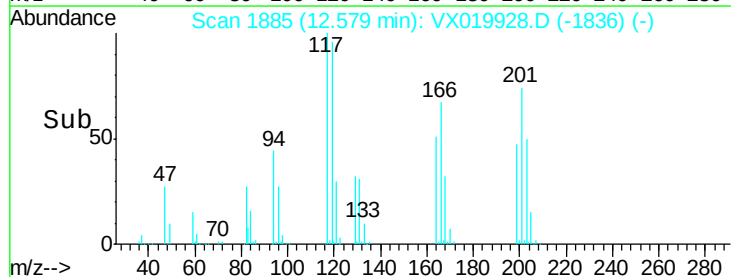
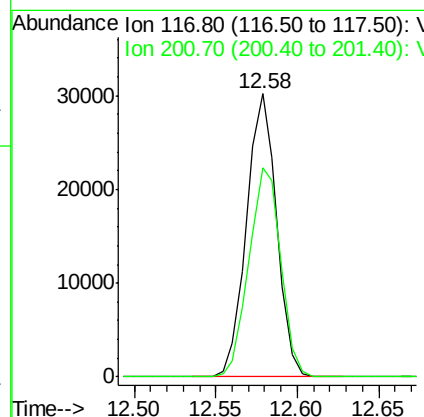
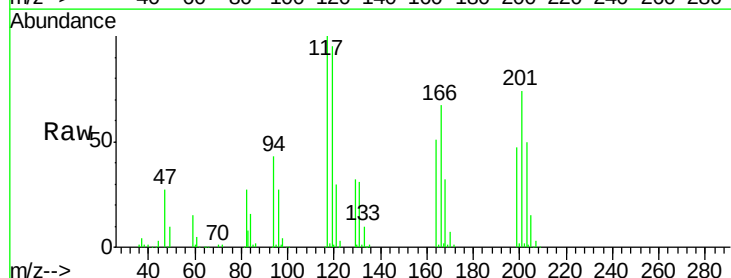
Manual Integrations
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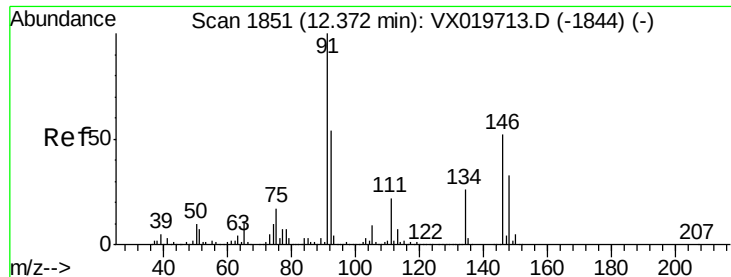
MMDadoda
12/15/2020 4:49:30 PM



#90
Hexachloroethane
Concen: 18.858 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.0	40.4	121.2





#91

1,2-Dichlorobenzene

Concen: 19.829 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Instrument :

MSVOA_X

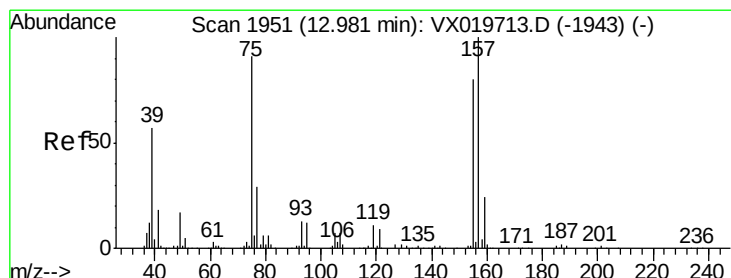
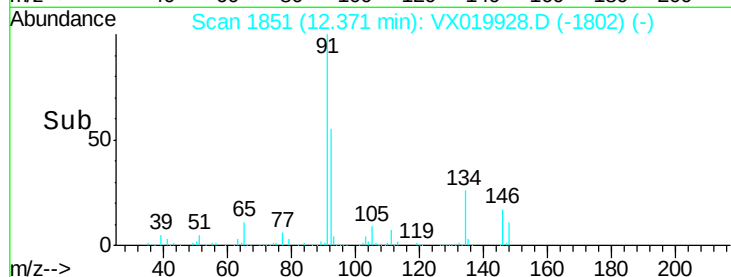
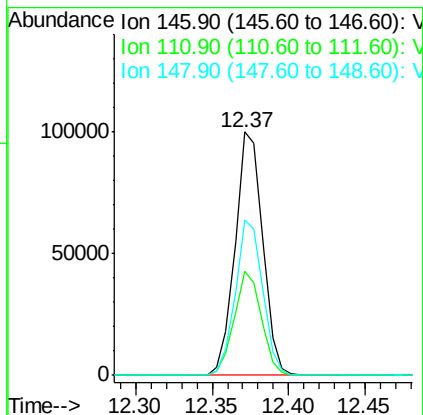
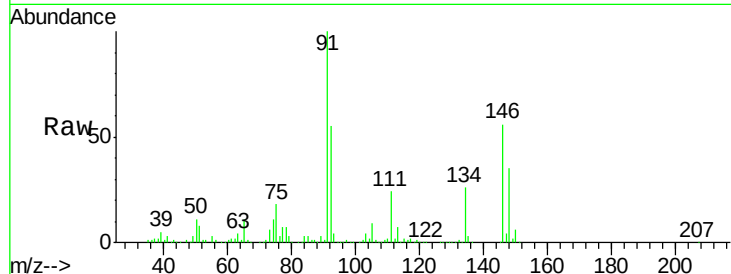
ClientSampleId :

VX1212WBS01

Tot Ion:	146	Resp:	125182
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.8	62.2
148	63.2	31.9	95.5

Manual Integrations
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12/15/2020 4:49:30 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.693 ug/l

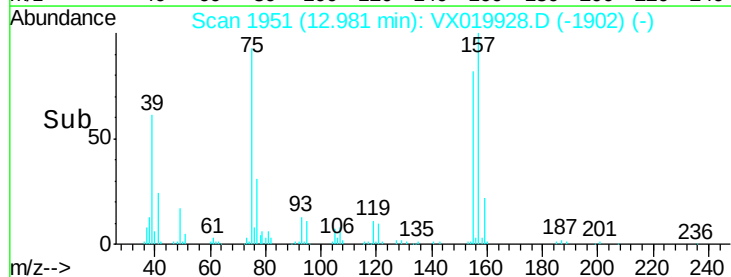
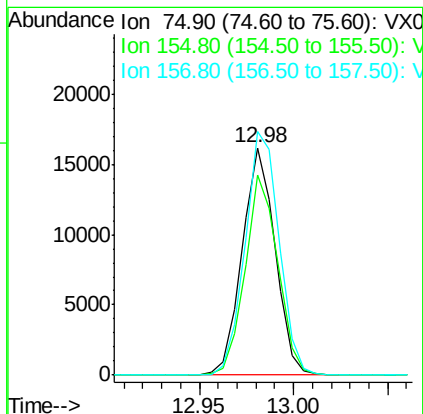
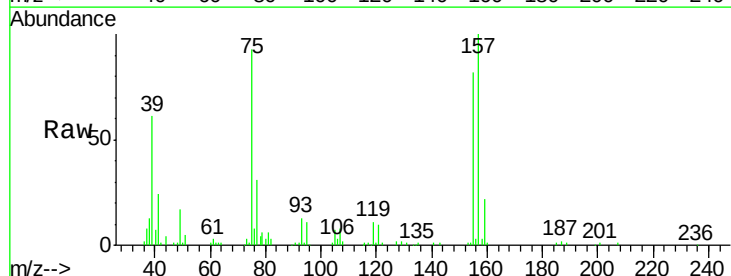
RT: 12.98 min Scan# 1951

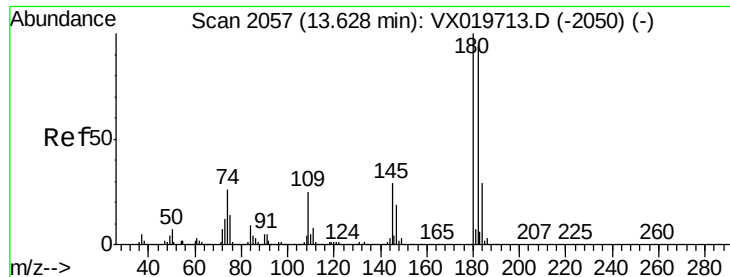
Delta R.T. -0.00 min

Lab File: VX019928.D

Acq: 12 Dec 2020 13:35

Tgt Ion:	75	Resp:	19535
Ion Ratio	Lower	Upper	
75	100		
155	87.9	45.3	135.9
157	111.3	57.7	173.1





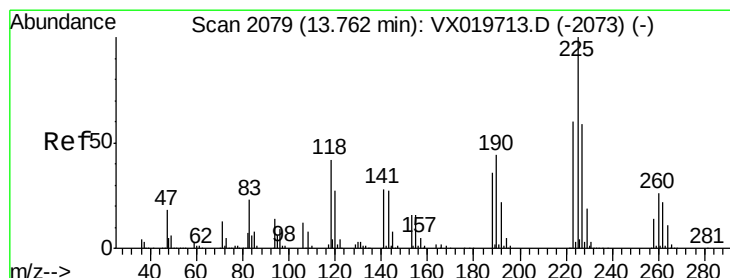
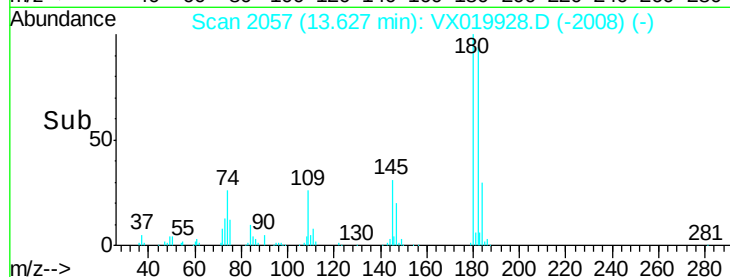
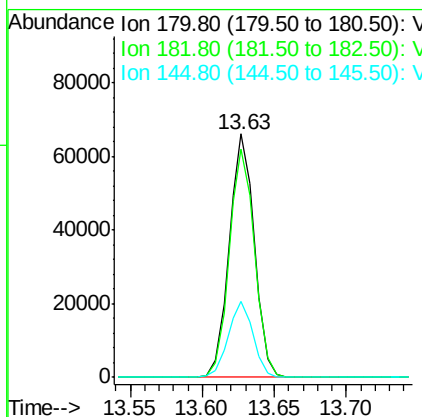
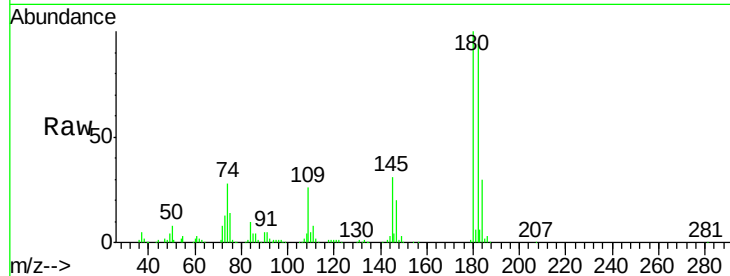
#93
 1,2,4-Trichlorobenzene
 Concen: 19.750 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	81165		
182	94.2	47.7	143.1	
145	30.9	15.0	45.0	

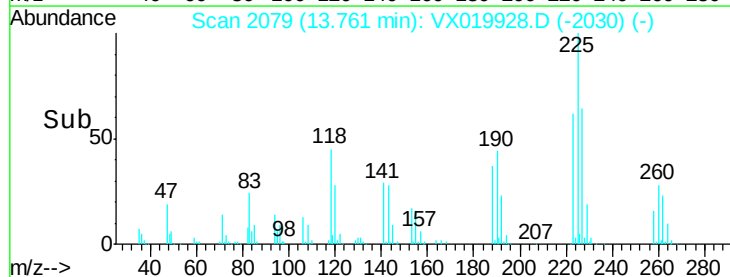
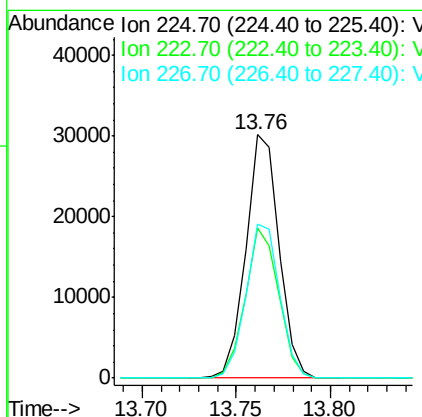
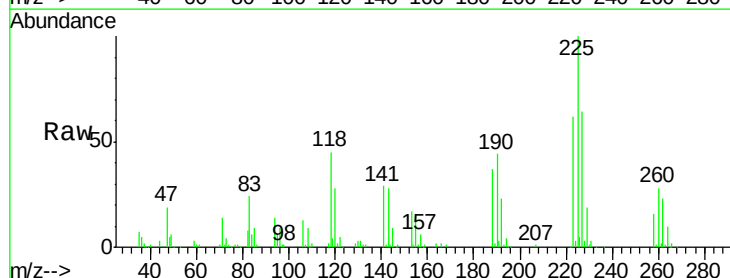
Manual Integrations
 APPROVED

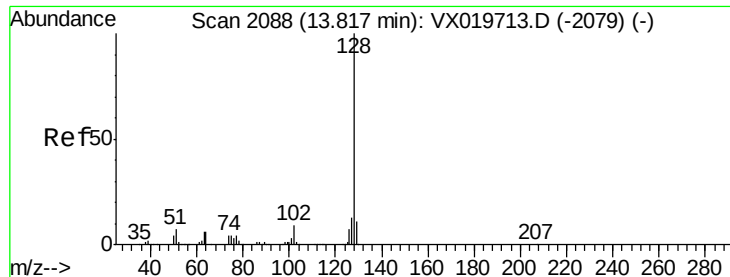
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 20.056 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX019928.D
 Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36838		
223	62.1	31.1	93.2	
227	64.6	31.6	95.0	





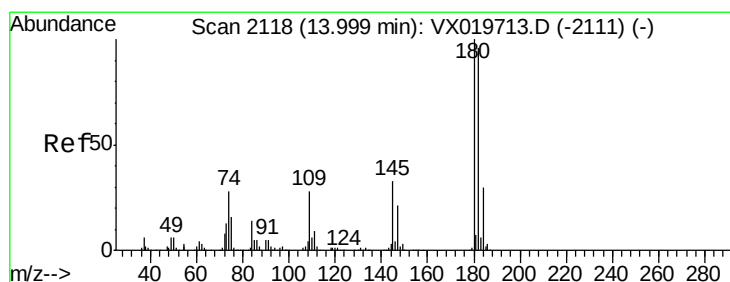
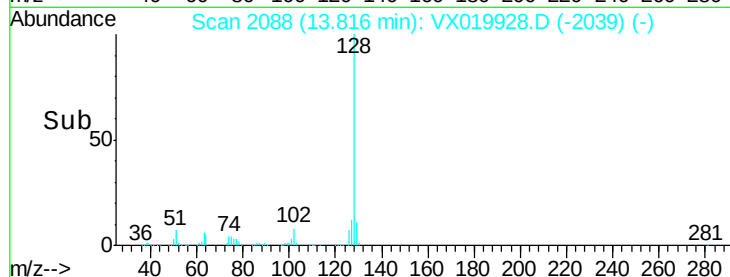
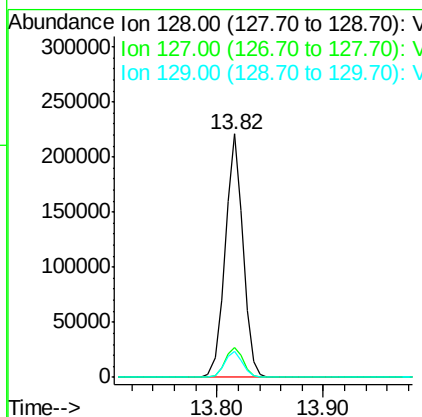
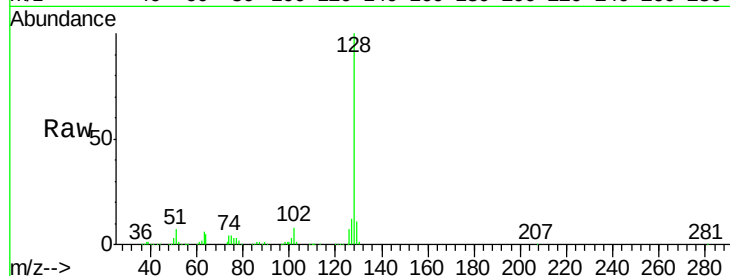
#95
Naphthalene
Concen: 19.287 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/15/2020 4:49:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.952 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019928.D
Acq: 12 Dec 2020 13:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.9
145	32.3	16.1	48.3

