

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121020\
 Data File : VX019811.D
 Acq On : 10 Dec 2020 09:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:45:50 PM

Quant Time: Dec 11 01:00:24 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	295561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	469545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	435078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	221460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	174994	45.05	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.10%
35) Dibromofluoromethane	5.46	113	144745	47.70	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.40%
50) Toluene-d8	8.70	98	549850	47.46	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.92%
62) 4-Bromofluorobenzene	11.12	95	210467	47.73	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	138370	51.135	ug/l 99
3) Chloromethane	1.31	50	140131	44.033	ug/l 100
4) Vinyl Chloride	1.39	62	169012	50.368	ug/l 100
5) Bromomethane	1.62	94	55335	49.664	ug/l 99
6) Chloroethane	1.70	64	107502	53.332	ug/l 98
7) Trichlorofluoromethane	1.91	101	240472	51.458	ug/l 97
8) Diethyl Ether	2.17	74	98919	49.951	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	138509	51.710	ug/l 100
10) Methyl Iodide	2.49	142	165100	41.817	ug/l 100
11) Tert butyl alcohol	3.01	59	181935	227.583	ug/l 100
12) 1,1-Dichloroethene	2.36	96	135641	50.089	ug/l 99
13) Acrolein	2.27	56	77924	181.735	ug/l 99
14) Allyl chloride	2.70	41	227126	49.661	ug/l 99
15) Acrylonitrile	3.11	53	429363	244.499	ug/l 99
16) Acetone	2.42	43	419438	287.267	ug/l 100
17) Carbon Disulfide	2.55	76	358002	46.074	ug/l 99
18) Methyl Acetate	2.75	43	180669	50.565	ug/l 100
19) Methyl tert-butyl Ether	3.16	73	507095	51.419	ug/l 100
20) Methylene Chloride	2.83	84	167564	50.277	ug/l 98
21) trans-1,2-Dichloroethene	3.14	96	159710	50.587	ug/l 98
22) Diisopropyl ether	3.82	45	481700	52.092	ug/l 96
23) Vinyl Acetate	3.78	43	2022924	256.780	ug/l 100
24) 1,1-Dichloroethane	3.67	63	282714	50.700	ug/l 100
25) 2-Butanone	4.62	43	586871	261.576	ug/l 99
26) 2,2-Dichloropropane	4.54	77	246513	51.335	ug/l 100
27) cis-1,2-Dichloroethene	4.56	96	183776	49.741	ug/l 100
28) Bromochloromethane	4.97	49	123075	46.300	ug/l 100
29) Tetrahydrofuran	5.08	42	346572	239.756	ug/l 100
30) Chloroform	5.17	83	293789	51.239	ug/l 99
31) Cyclohexane	5.54	56	247808	51.284	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	253589	51.358	ug/l 100
36) 1,1-Dichloropropene	5.76	75	217559	51.275	ug/l 100
37) Ethyl Acetate	4.78	43	211329	49.330	ug/l 99
38) Carbon Tetrachloride	5.74	117	218777	52.655	ug/l 99

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 12/11/2020 12:45:50 PM

Quant Time: Dec 11 01:00:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	265246	53.209	ug/l	99
40) Benzene	6.10	78	664758	51.289	ug/l	99
41) Methacrylonitrile	5.00	41	118873	50.539	ug/l	99
42) 1,2-Dichloroethane	6.15	62	227312	51.331	ug/l	100
43) Isopropyl Acetate	6.40	43	344292	49.433	ug/l	100
44) Trichloroethene	7.18	130	173981	51.161	ug/l	98
45) 1,2-Dichloropropane	7.48	63	168143	51.907	ug/l	96
46) Dibromomethane	7.63	93	113990	52.109	ug/l	98
47) Bromodichloromethane	7.87	83	227842	52.489	ug/l	100
48) Methyl methacrylate	7.74	41	171530	50.076	ug/l	100
49) 1,4-Dioxane	7.71	88	82758	997.333	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1079289	253.814	ug/l	100
52) Toluene	8.76	92	420363	51.856	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	252191	52.355	ug/l	97
54) cis-1,3-Dichloropropene	8.41	75	277505	53.028	ug/l	99
55) 1,1,2-Trichloroethane	9.19	97	171577	52.522	ug/l	97
56) Ethyl methacrylate	9.15	69	256900	51.978	ug/l	100
57) 1,3-Dichloropropane	9.35	76	284360	50.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	690922	263.880	ug/l	99
59) 2-Hexanone	9.47	43	869767	263.879	ug/l	100
60) Dibromochloromethane	9.56	129	176716	53.244	ug/l	99
61) 1,2-Dibromoethane	9.65	107	177667	51.217	ug/l	100
64) Tetrachloroethene	9.31	164	158120	54.193	ug/l	94
65) Chlorobenzene	10.12	112	438909	50.636	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	165327	52.992	ug/l	99
67) Ethyl Benzene	10.23	91	803347	52.213	ug/l	100
68) m/p-Xylenes	10.34	106	614422	105.977	ug/l	99
69) o-Xylene	10.68	106	292446	52.437	ug/l	99
70) Styrene	10.70	104	505269	53.675	ug/l	99
71) Bromoform	10.84	173	132802	54.110	ug/l #	99
73) Isopropylbenzene	11.00	105	790608	52.254	ug/l	100
74) N-amyl acetate	10.88	43	300913	49.629	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	265413	49.756	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	253558m	51.049	ug/l	
77) Bromobenzene	11.24	156	194815	50.314	ug/l	98
78) n-propylbenzene	11.34	91	918932	53.176	ug/l	100
79) 2-Chlorotoluene	11.40	91	549180	51.606	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	670531	52.511	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.05	75	88616	51.575	ug/l	99
82) 4-Chlorotoluene	11.49	91	649634	52.123	ug/l	99
83) tert-Butylbenzene	11.75	119	658777	52.603	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	683063	53.104	ug/l	99
85) sec-Butylbenzene	11.93	105	779288	54.502	ug/l	100
86) p-Isopropyltoluene	12.05	119	717142	54.726	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	361312	50.843	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	370753	51.223	ug/l	100
89) n-Butylbenzene	12.37	91	631300	54.376	ug/l	100
90) Hexachloroethane	12.58	117	120185	53.124	ug/l	99
91) 1,2-Dichlorobenzene	12.37	146	354321	51.147	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56175	48.987	ug/l	97

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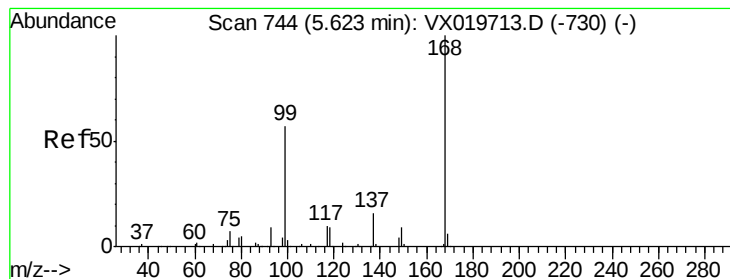
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	240005	53.222	ug/l	100
94) Hexachlorobutadiene	13.76	225	106334	52.757	ug/l	99
95) Naphthalene	13.82	128	760460	52.016	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	231518	52.533	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.01 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 295561

Ion Ratio Lower Upper

168 100

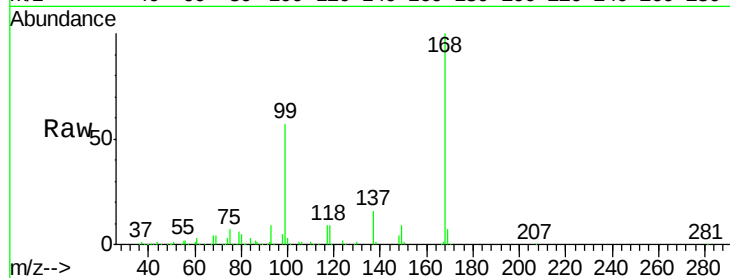
99 57.3 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

100000

80000

60000

40000

20000

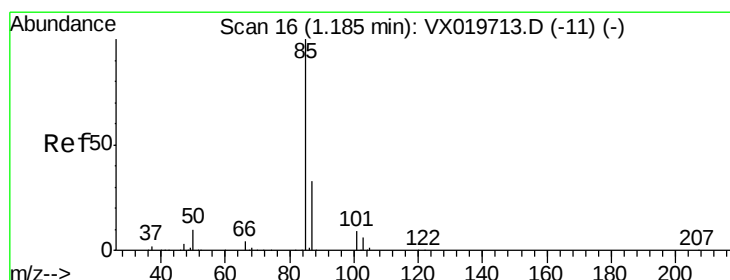
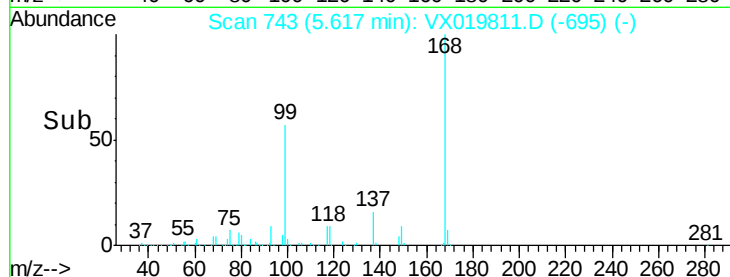
0

5.50

5.60

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.135 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019811.D

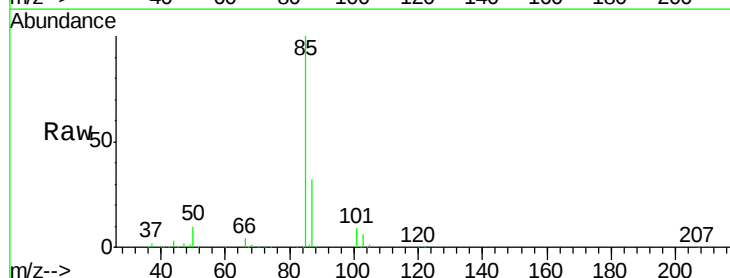
Acq: 10 Dec 2020 09:20

Tgt Ion: 85 Resp: 138370

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

150000

100000

50000

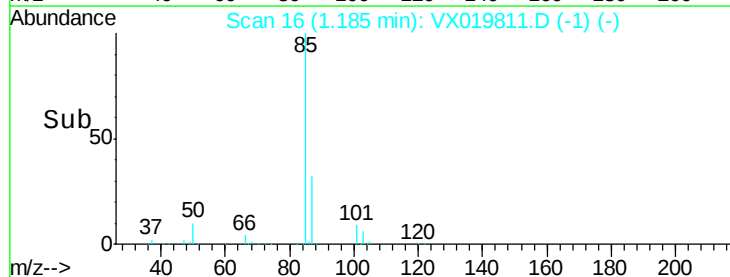
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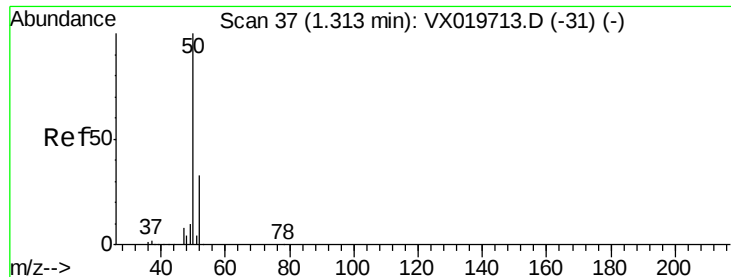
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 44.033 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 140131

Ion Ratio Lower Upper

50 100

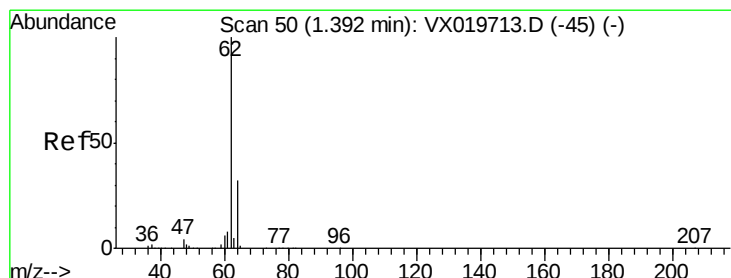
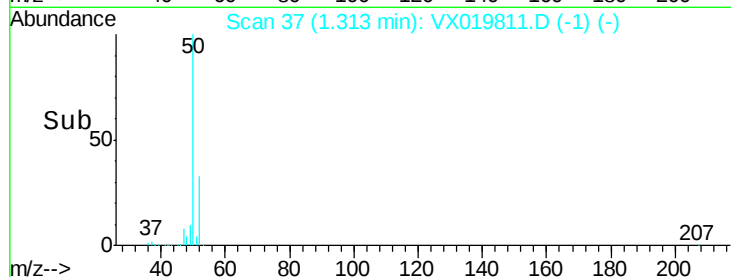
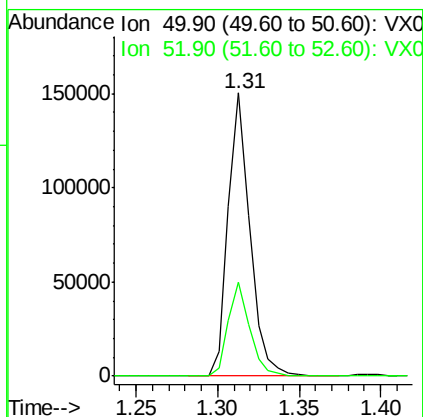
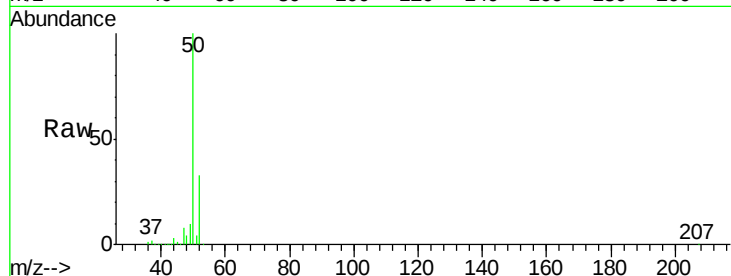
52 33.0 26.4 39.6

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#4

Vinyl Chloride

Concen: 50.368 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019811.D

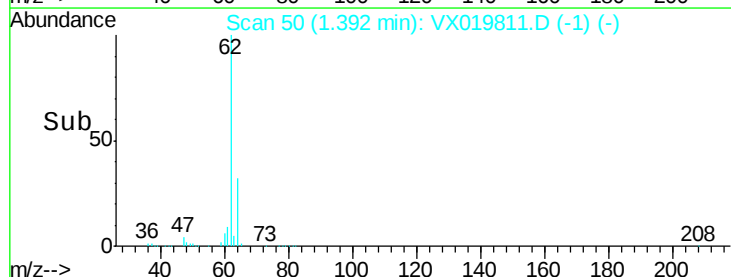
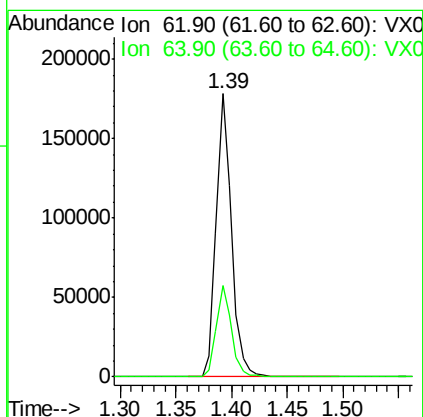
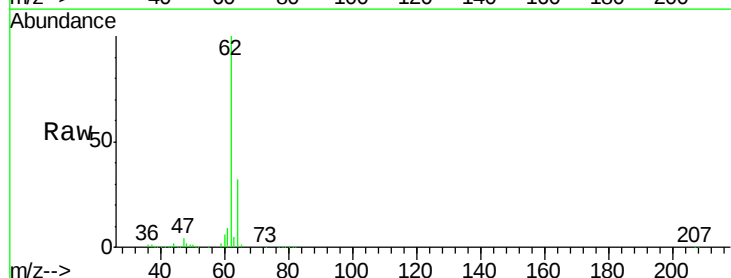
Acq: 10 Dec 2020 09:20

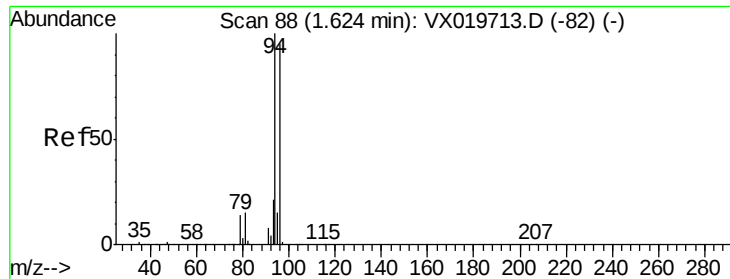
Tgt Ion: 62 Resp: 169012

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 49.664 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 55335

Ion Ratio Lower Upper

94 100

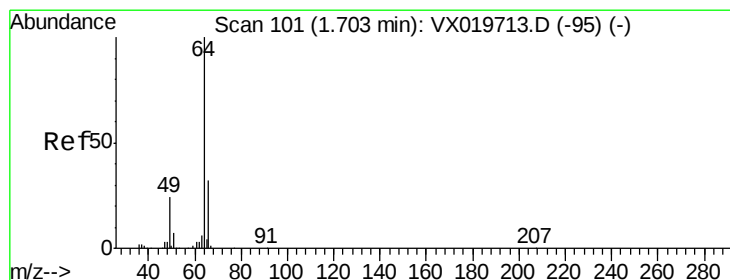
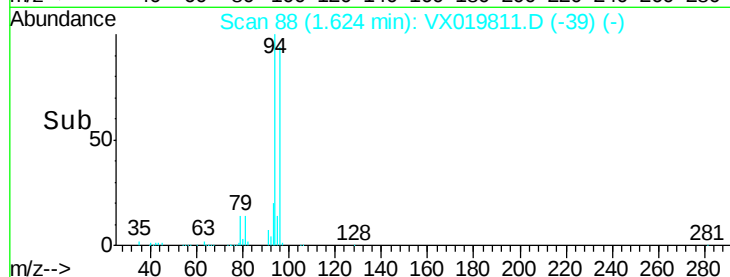
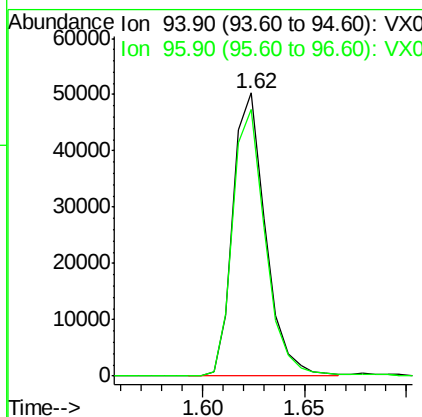
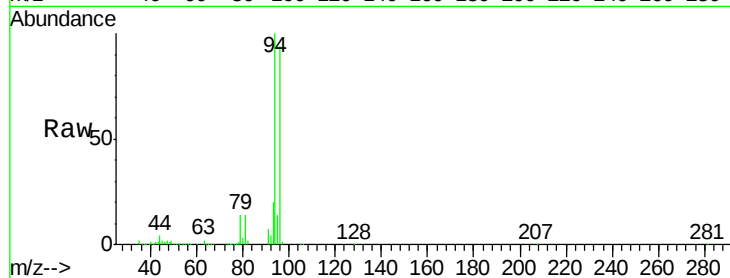
96 94.0 76.4 114.6

Manual Integrations

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#6

Chloroethane

Concen: 53.332 ug/l

RT: 1.70 min Scan# 101

Delta R.T. 0.00 min

Lab File: VX019811.D

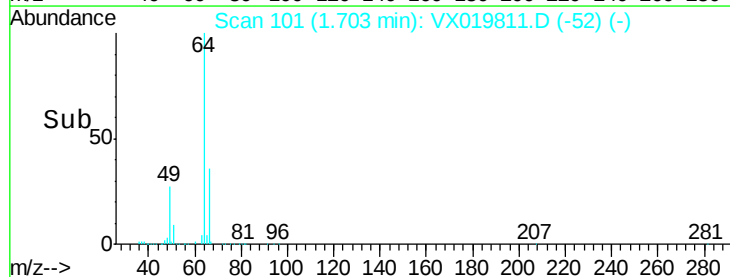
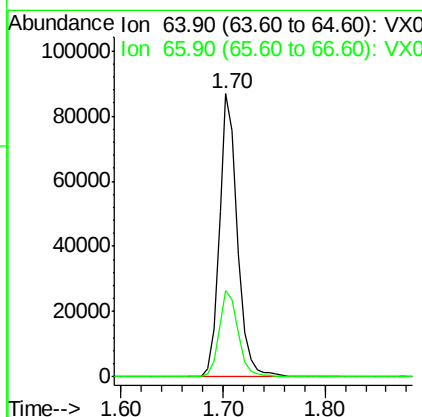
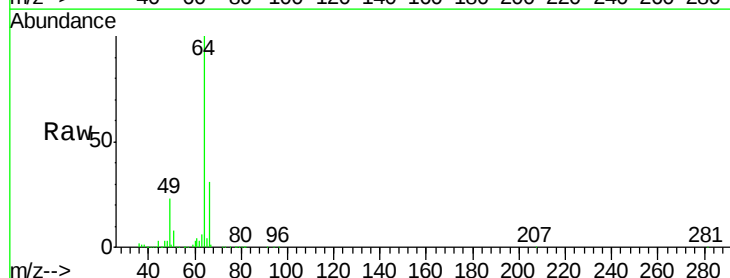
Acq: 10 Dec 2020 09:20

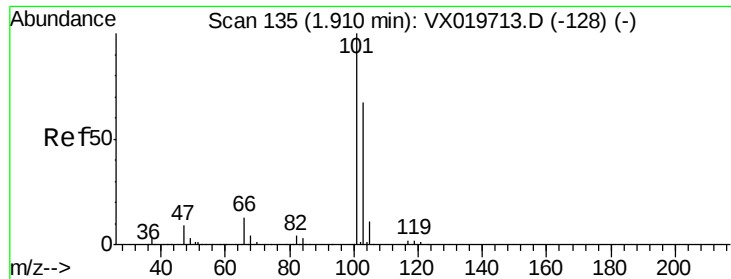
Tgt Ion: 64 Resp: 107502

Ion Ratio Lower Upper

64 100

66 30.6 25.4 38.0





#7

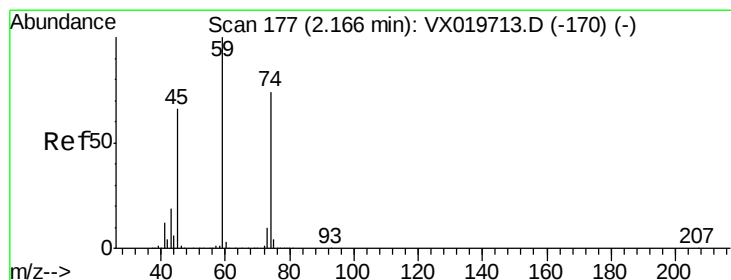
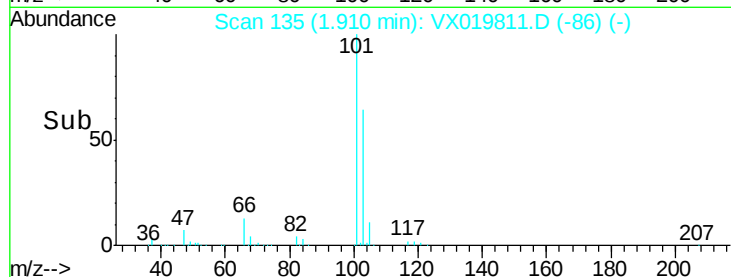
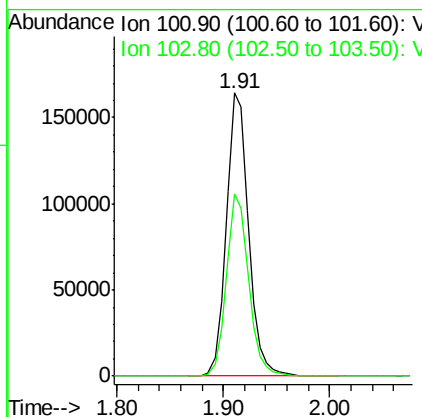
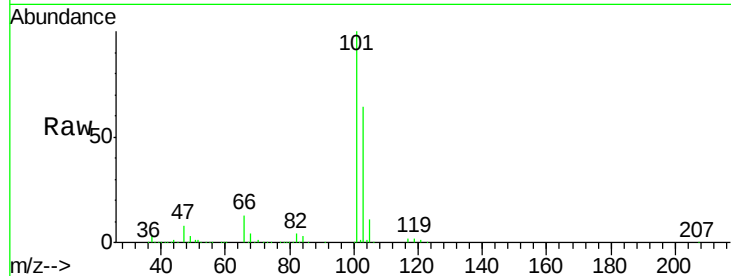
Trichlorofluoromethane
 Concen: 51.458 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.2	79.8

Manual Integrations
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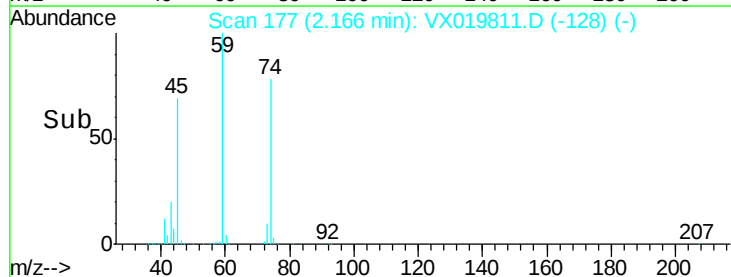
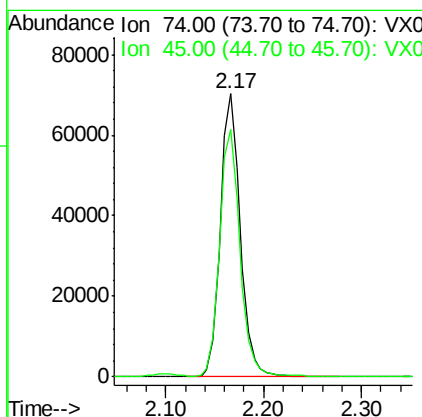
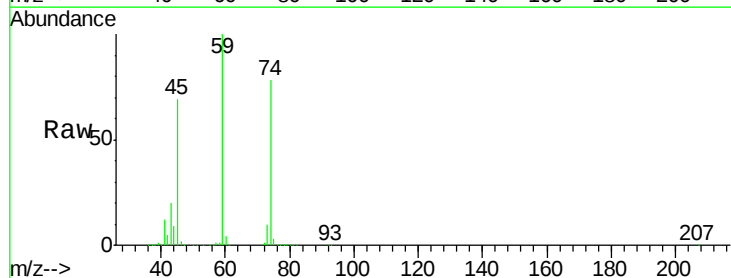
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 12/11/2020 12:45:50 PM

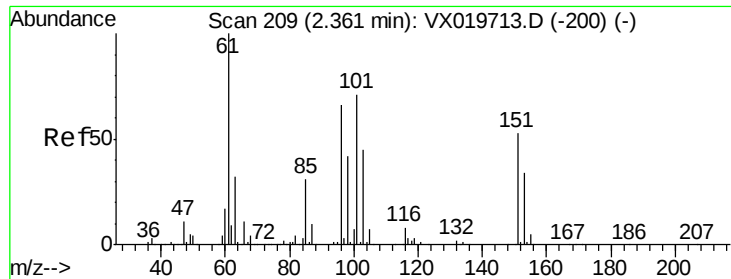


#8

Diethyl Ether
 Concen: 49.951 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.710 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

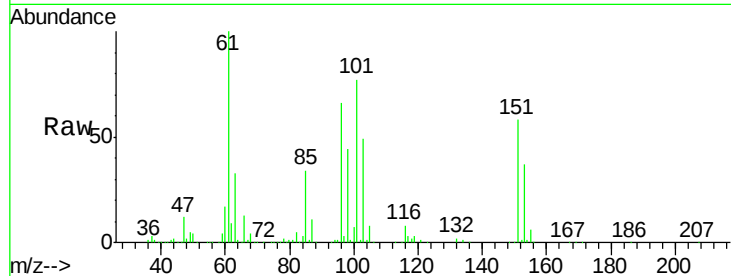
ClientSampleId :

VSTDCCC050

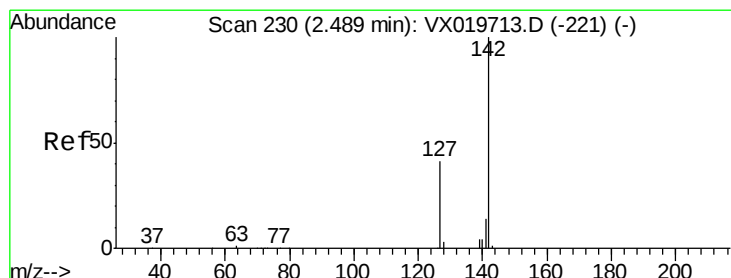
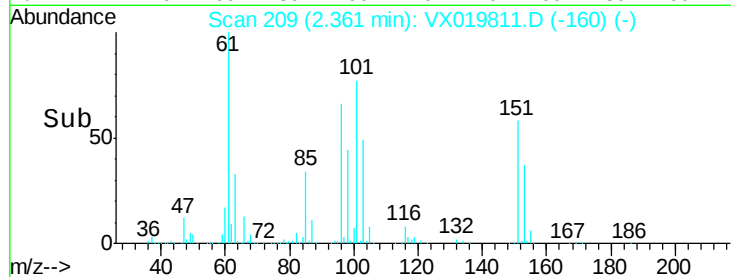
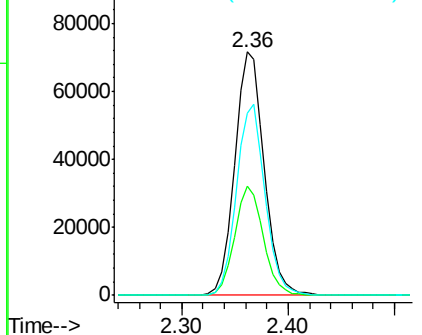
Tot Ion:	101	Resp:	138509
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.9	52.3
151	76.6	61.4	92.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.817 ug/l

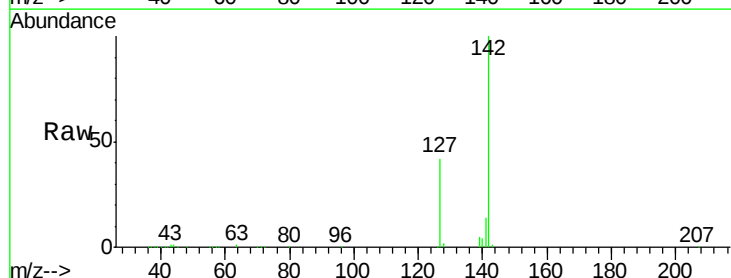
RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

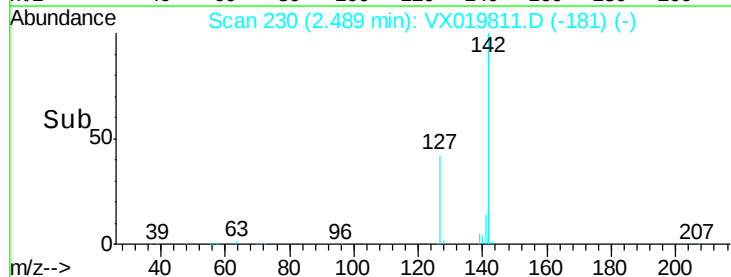
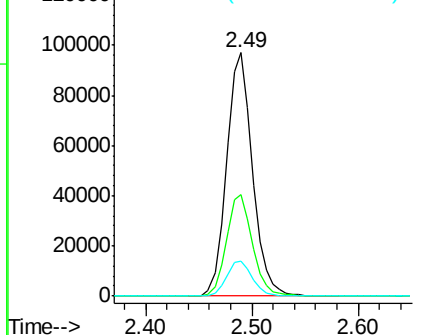
Lab File: VX019811.D

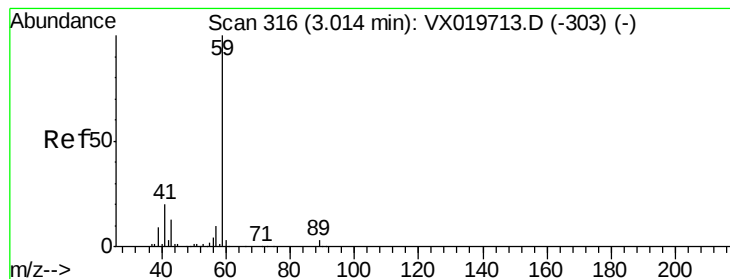
Acq: 10 Dec 2020 09:20

Tgt Ion:	142	Resp:	165100
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.3	49.9
141	14.4	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

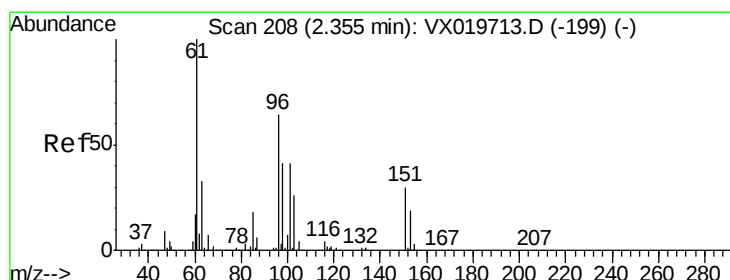
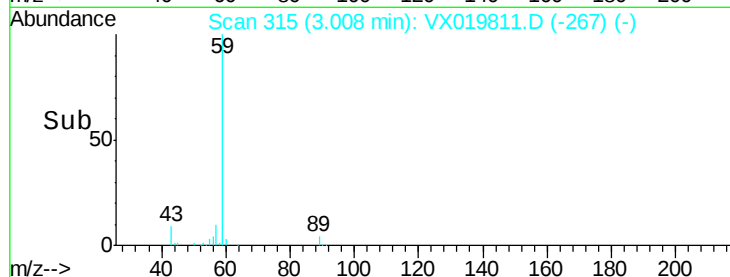
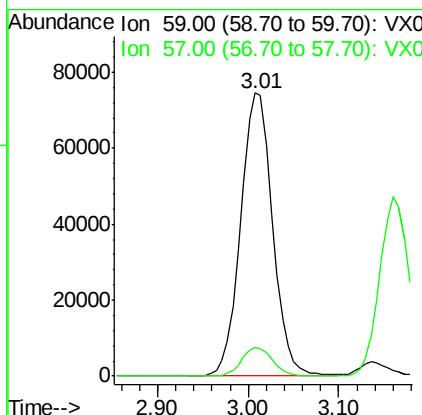
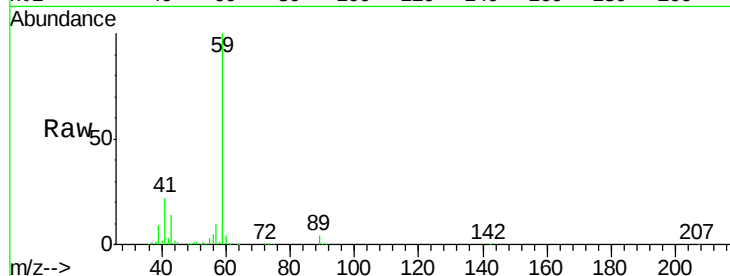
Tert butyl alcohol
Concen: 227.583 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	181935		
57	9.9		7.8	11.8

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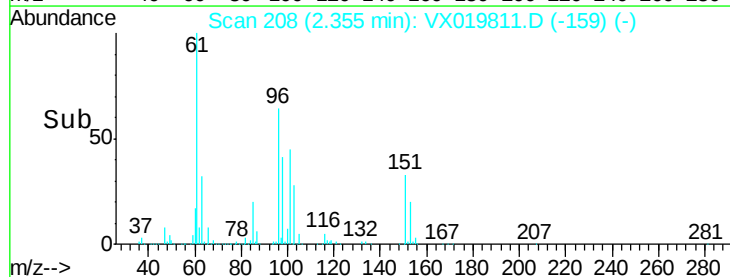
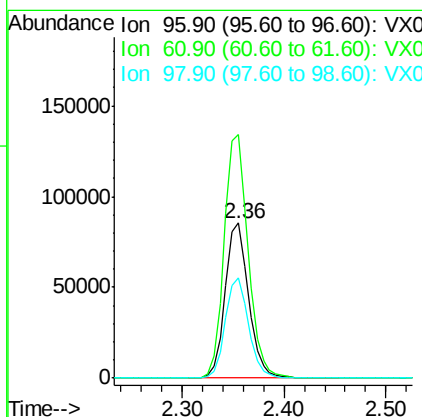
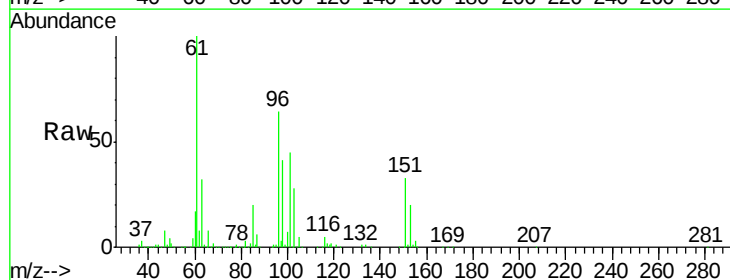
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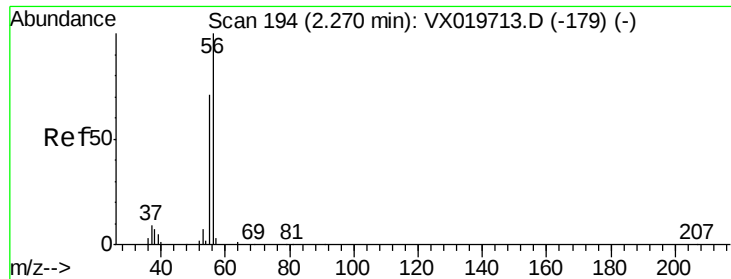


#12

1,1-Dichloroethene
Concen: 50.089 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	135641		
61	157.3		124.6	187.0
98	64.7		50.6	76.0





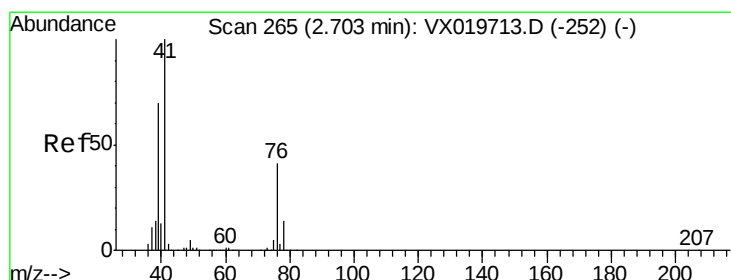
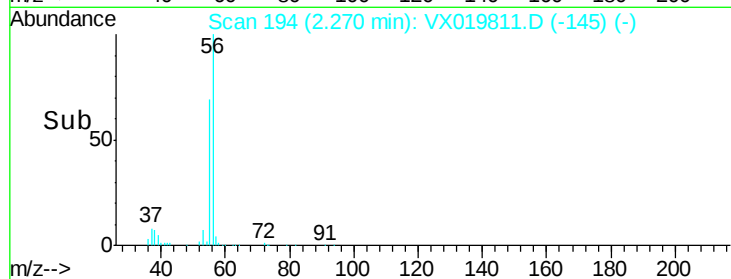
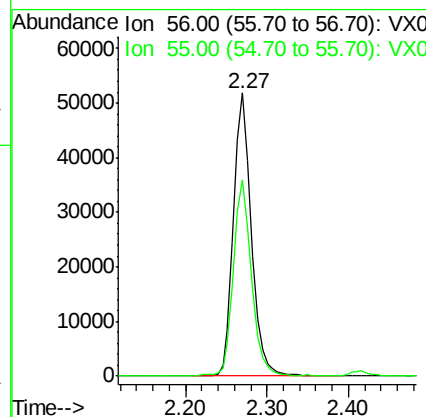
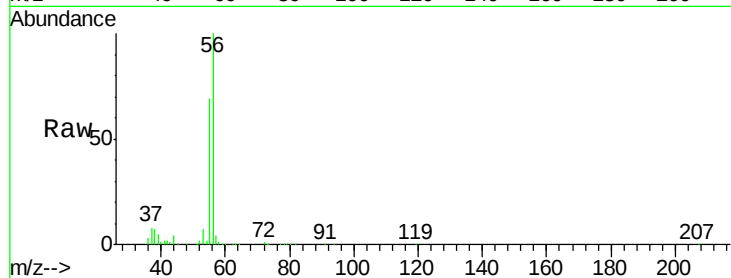
#13
Acrolein
Concen: 181.735 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	77924
Ion Ratio	100	Lower	Upper
56	100		
55	69.5	56.4	84.6

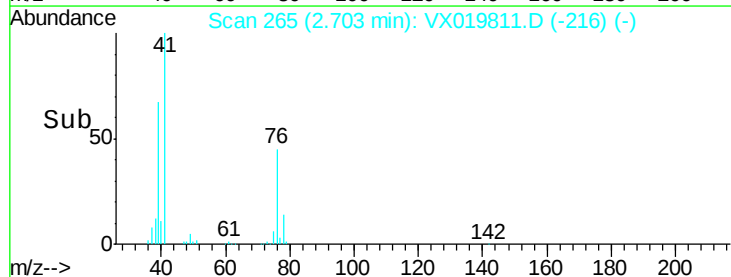
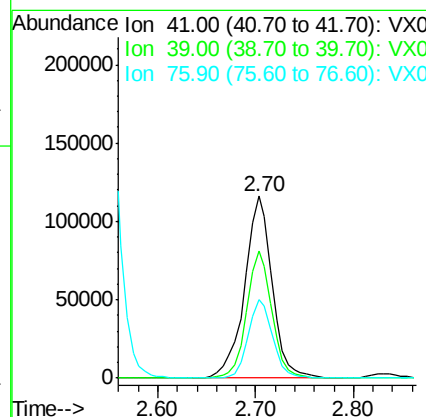
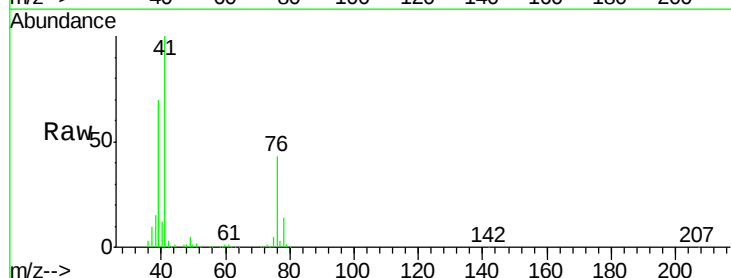
Manual Integrations
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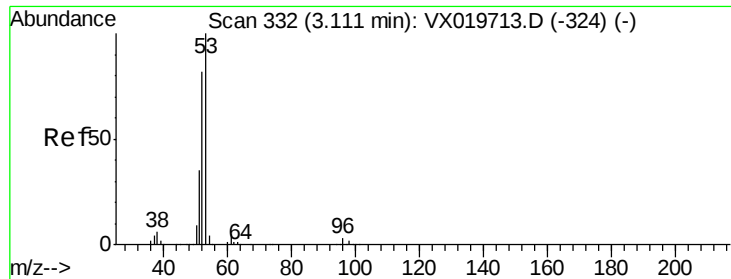
MMDadoda
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#14
Allyl chloride
Concen: 49.661 ug/l
RT: 2.70 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	41	Resp	227126
Ion Ratio	100	Lower	Upper
41	100		
39	64.0	51.6	77.4
76	38.3	30.5	45.7





#15

Acrylonitrile

Concen: 244.499 ug/l

RT: 3.11 min Scan# 332

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

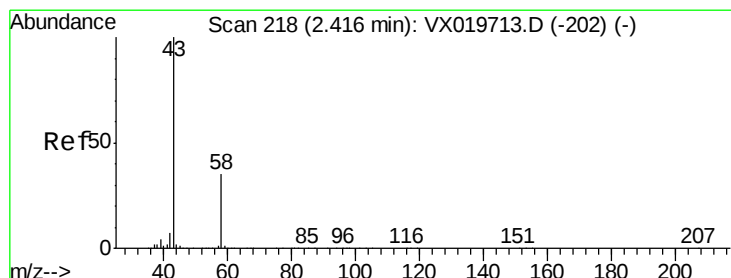
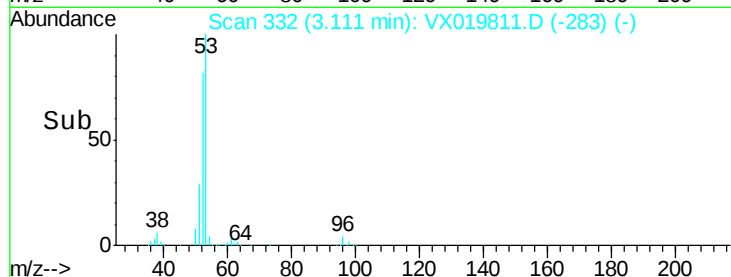
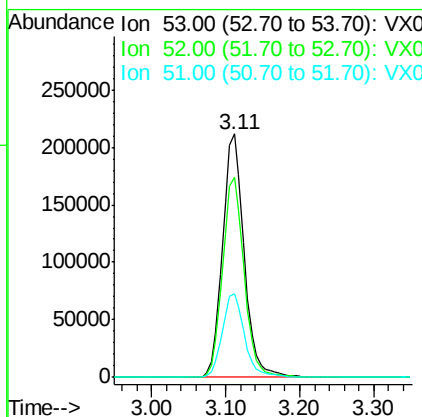
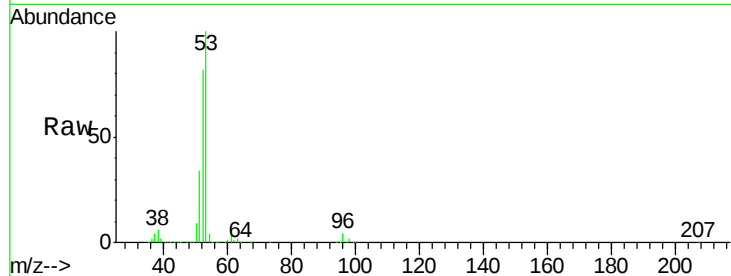
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	429363
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 287.267 ug/l

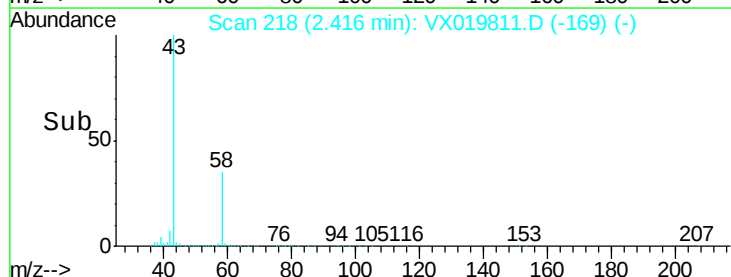
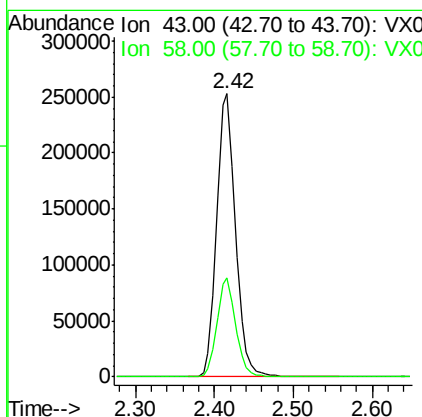
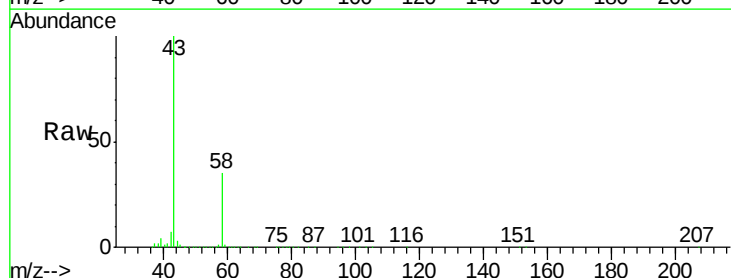
RT: 2.42 min Scan# 218

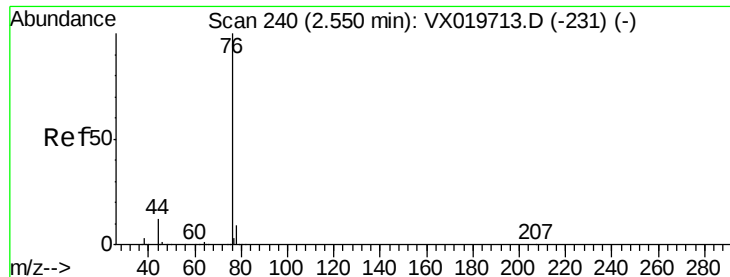
Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Tgt Ion:	43	Resp:	419438
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8





#17

Carbon Disulfide

Concen: 46.074 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 358002

Ion Ratio Lower Upper

76 100

78 9.5

7.2

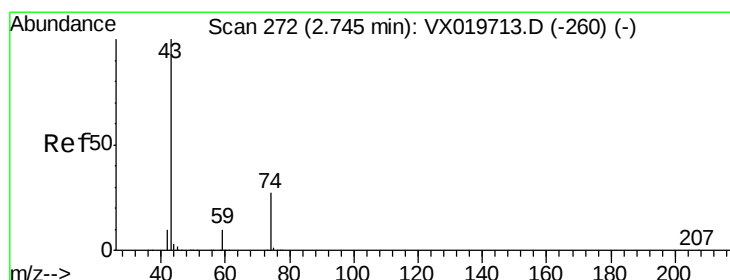
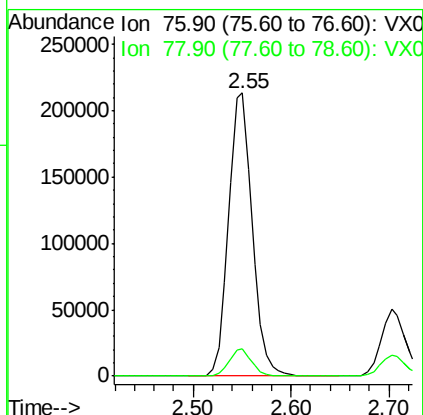
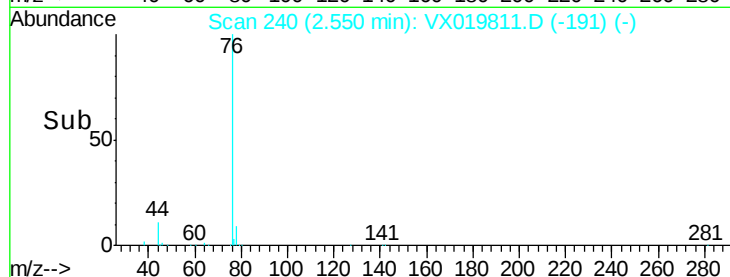
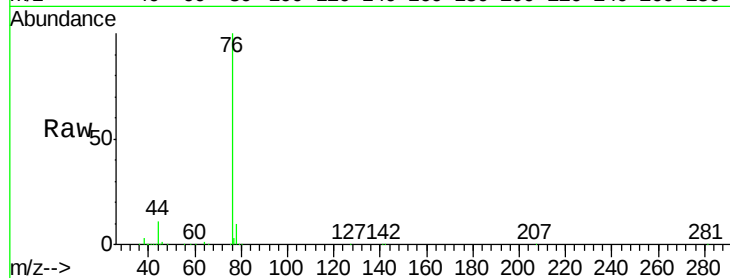
10.8

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#18

Methyl Acetate

Concen: 50.565 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Tgt Ion: 43 Resp: 180669

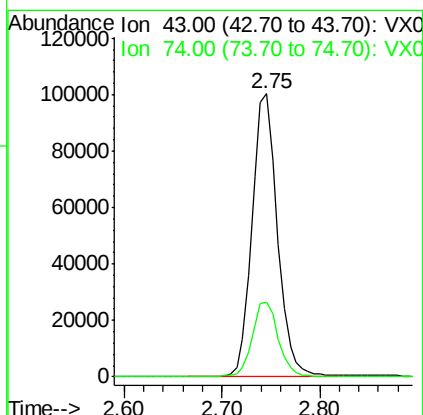
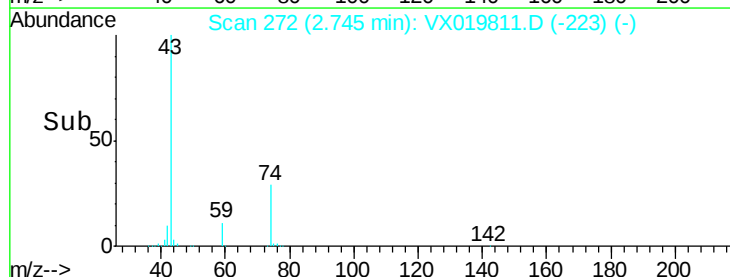
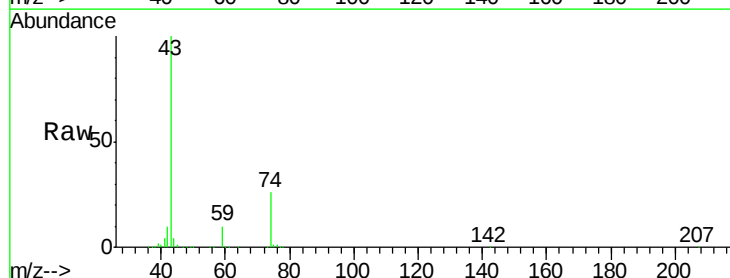
Ion Ratio Lower Upper

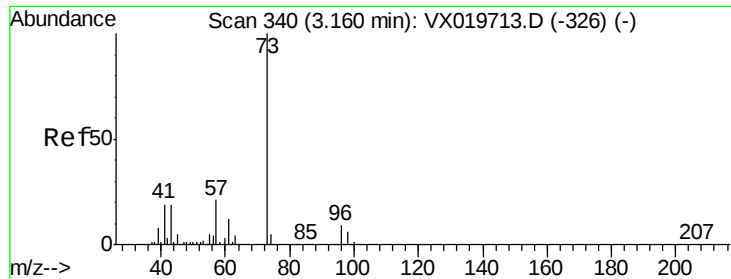
43 100

74 27.4

21.9

32.9





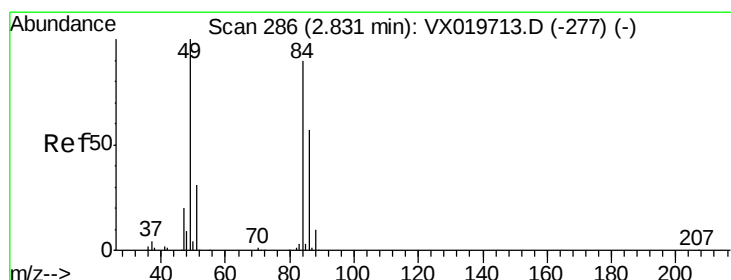
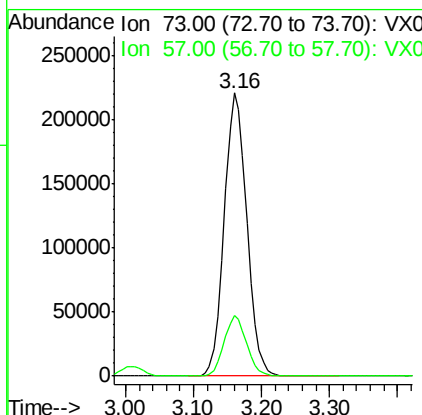
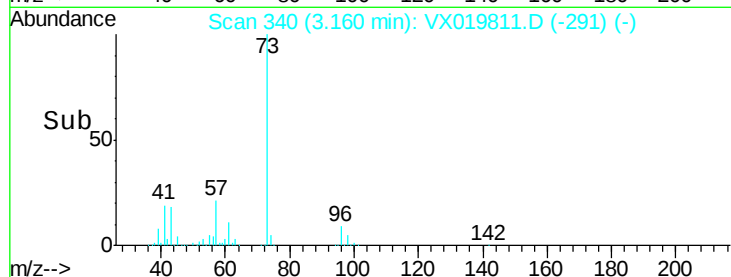
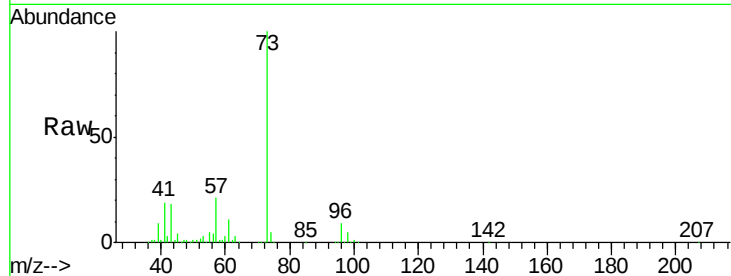
#19
Methyl tert-butyl Ether
Concen: 51.419 ug/l
RT: 3.16 min Scan# 340
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.1	25.7

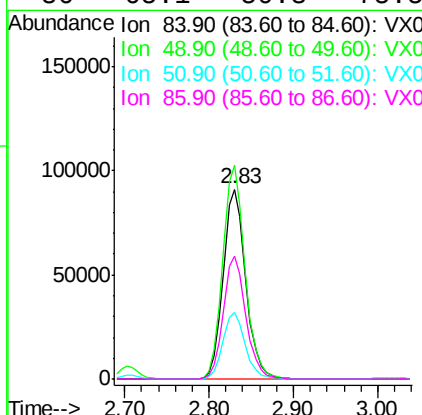
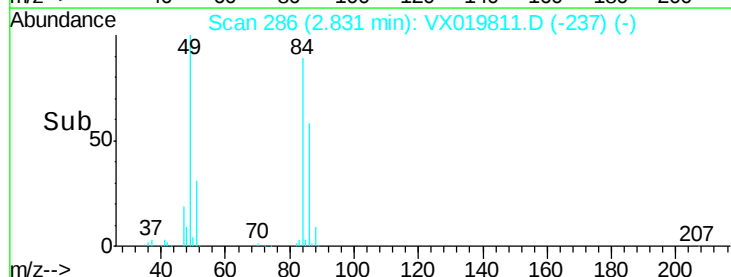
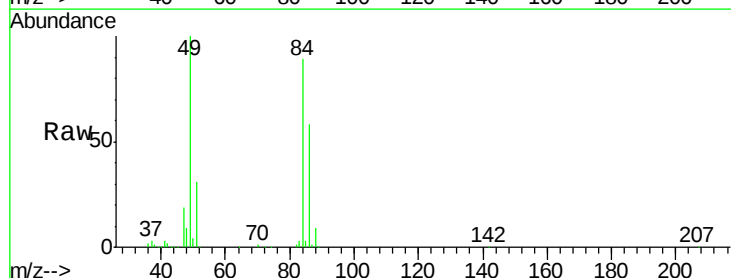
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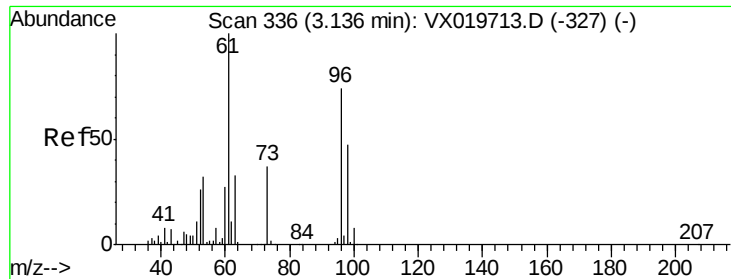
MMDadoda
12/11/2020 12:45:50 PM



#20
Methylene Chloride
Concen: 50.277 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.7	88.6	132.8
51	35.4	27.0	40.6
86	65.1	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 50.587 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

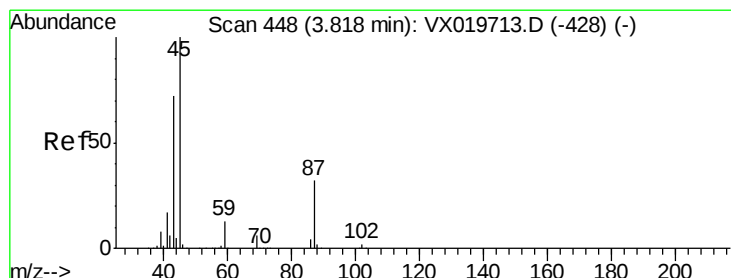
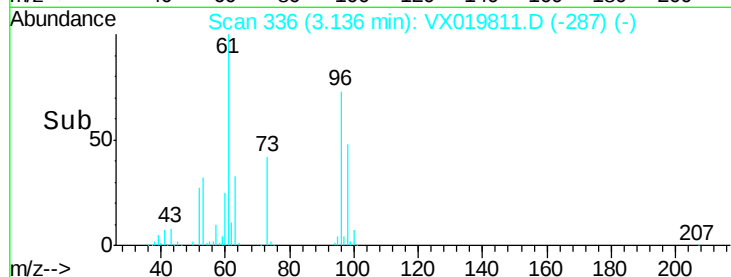
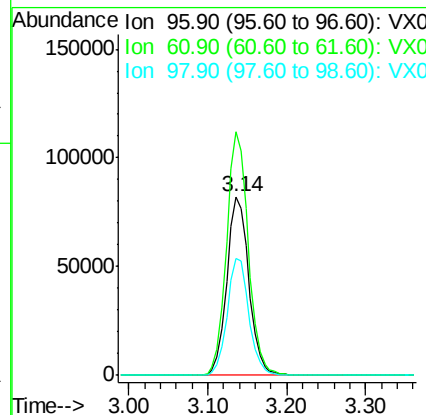
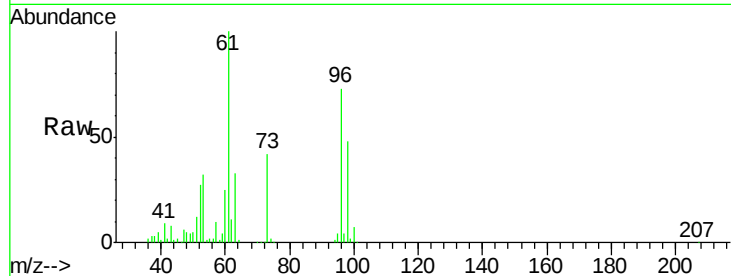
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	159710
Ion	Ratio	Lower	Upper
96	100		
61	136.3	107.7	161.5
98	65.5	50.4	75.6

Manual Integrations
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12/11/2020 12:45:50 PM



#22

Diisopropyl ether

Concen: 52.092 ug/l

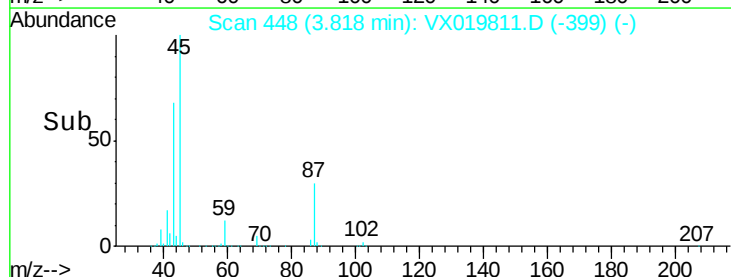
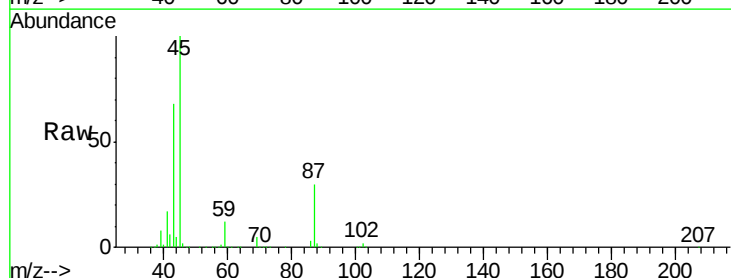
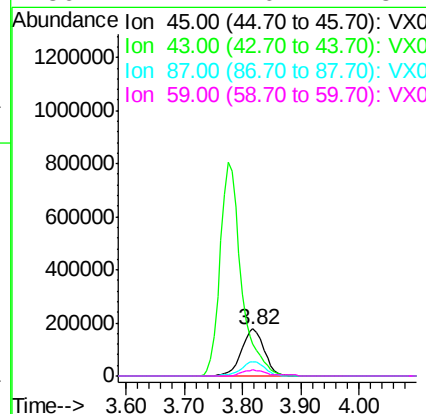
RT: 3.82 min Scan# 448

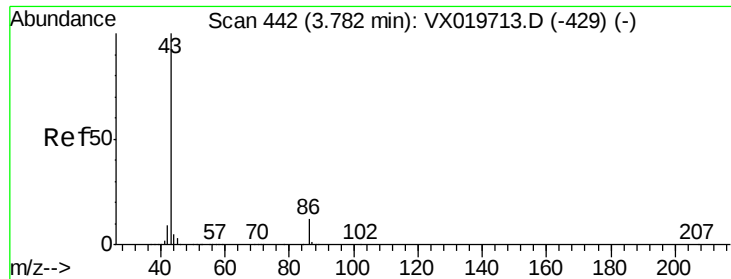
Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Tgt Ion:	45	Resp:	481700
Ion	Ratio	Lower	Upper
45	100		
43	68.1	58.0	87.0
87	30.2	25.4	38.0
59	12.4	10.2	15.2





#23

Vinyl Acetate

Concen: 256.780 ug/l

RT: 3.78 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2022924

Ion Ratio Lower Upper

43 100

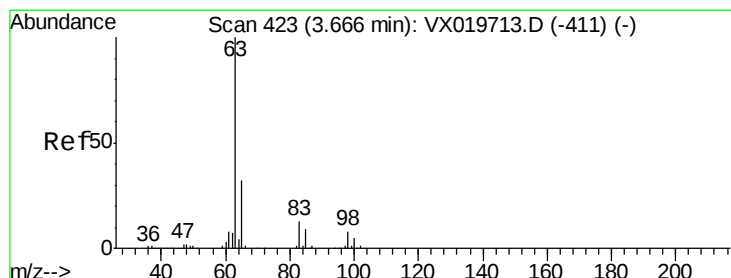
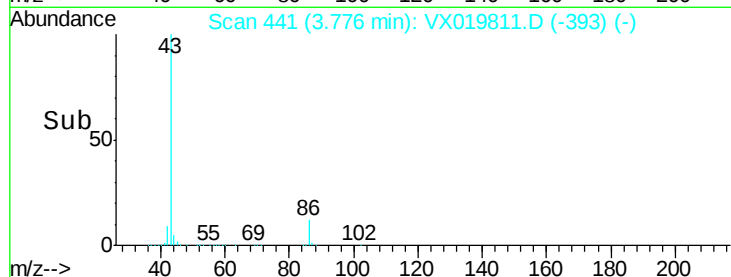
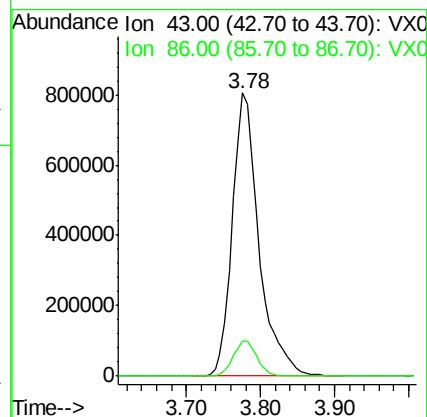
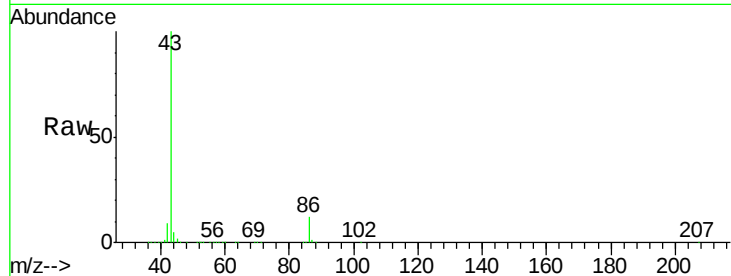
86 12.2 9.9 14.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.700 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

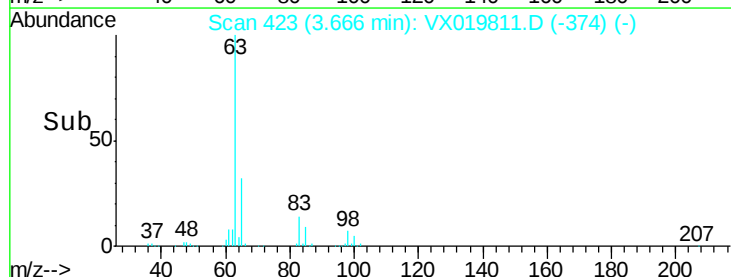
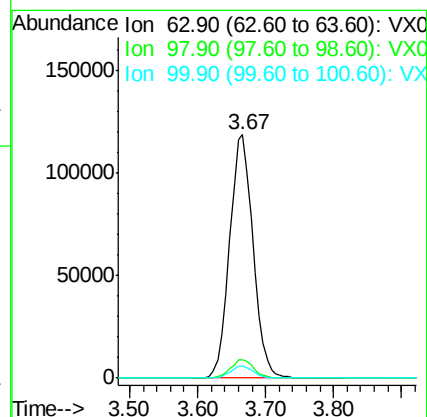
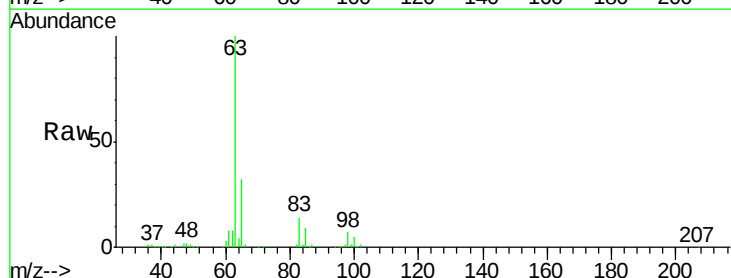
Tgt Ion: 63 Resp: 282714

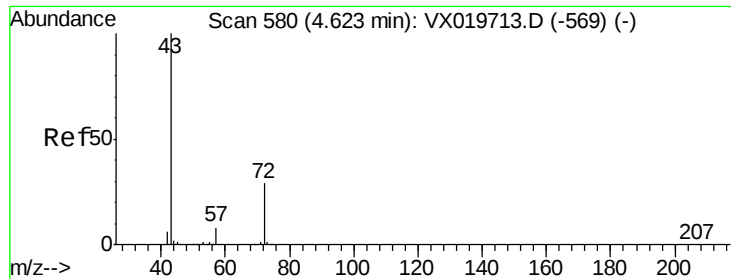
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.8 2.5 7.5





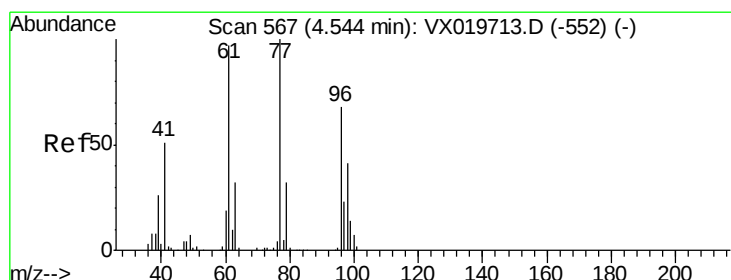
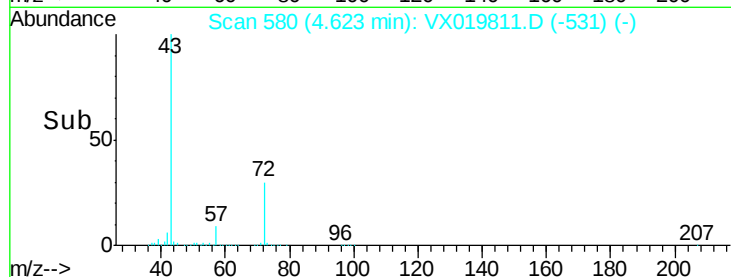
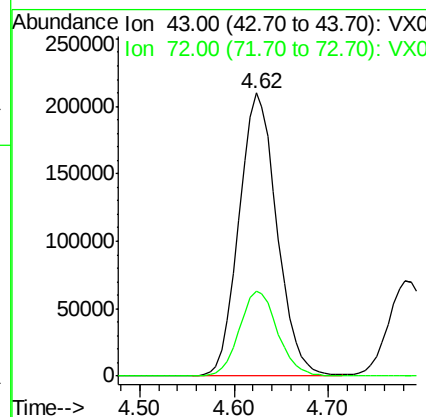
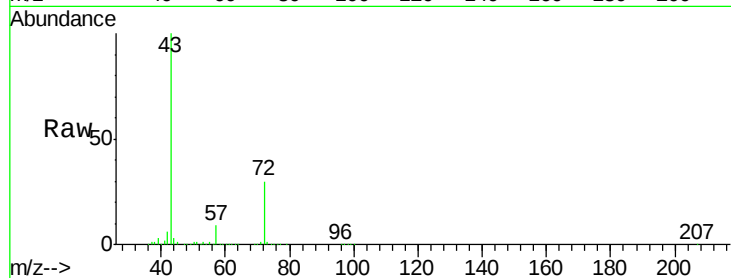
#25
2-Butanone
Concen: 261.576 ug/l
RT: 4.62 min Scan# 580
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 586871
Ion Ratio Lower Upper
43 100
72 29.9 23.7 35.5

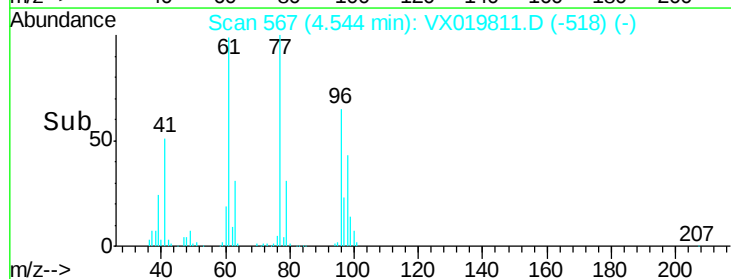
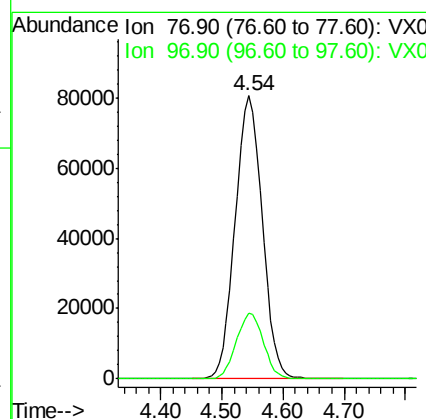
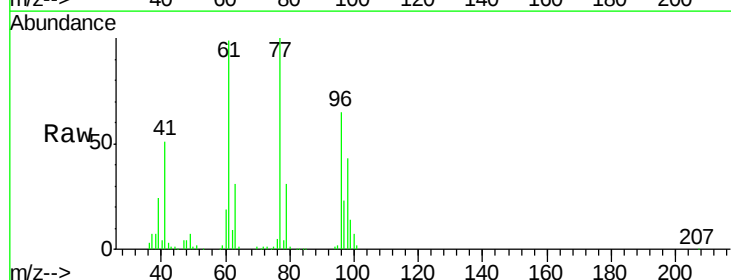
Manual Integrations
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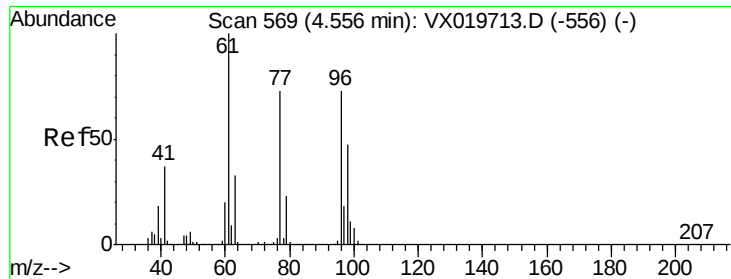
MMDadoda
12/11/2020 12:45:50 PM



#26
2,2-Dichloropropane
Concen: 51.335 ug/l
RT: 4.54 min Scan# 567
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion: 77 Resp: 246513
Ion Ratio Lower Upper
77 100
97 23.3 11.7 35.1





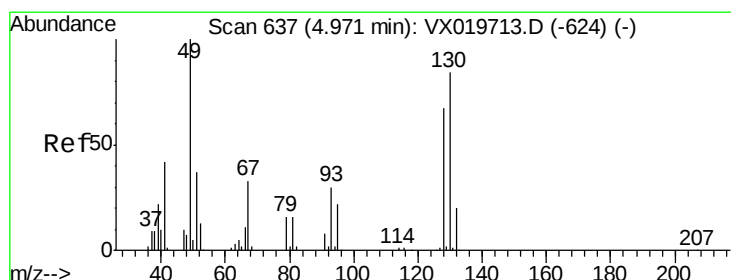
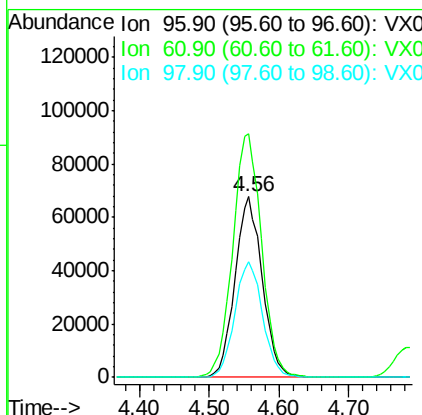
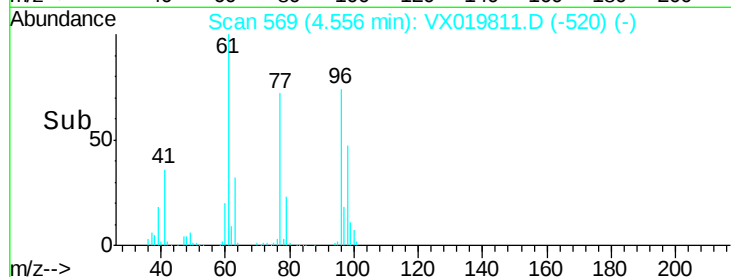
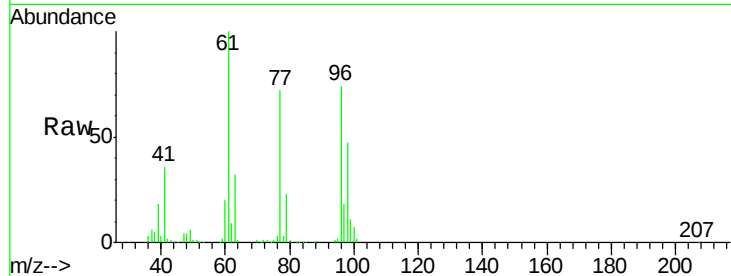
#27
 cis-1,2-Dichloroethene
 Concen: 49.741 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.9	0.0	285.6	
98	64.9	0.0	129.6	

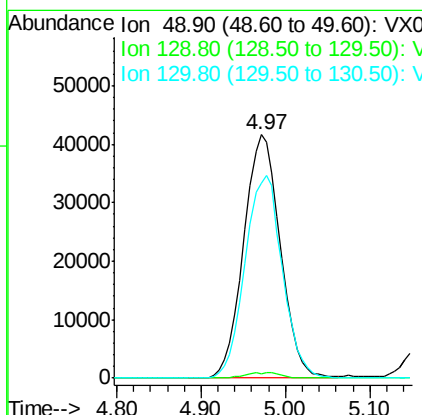
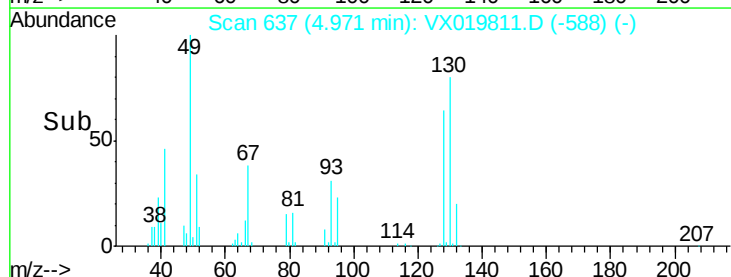
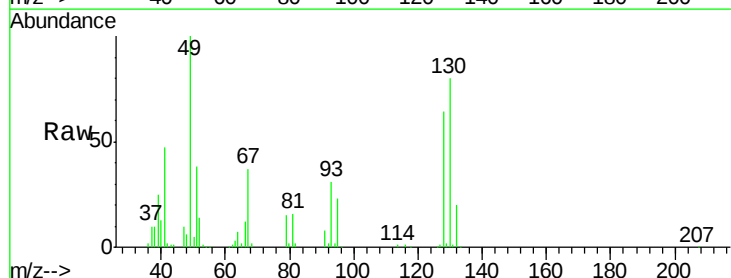
Manual Integrations
 APPROVED

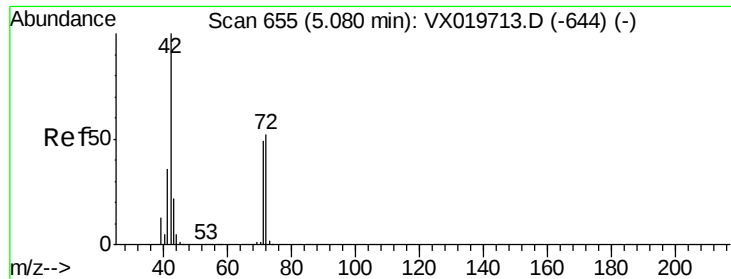
MMDadoda
 12/11/2020 12:45:50 PM



#28
 Bromochloromethane
 Concen: 46.300 ug/l
 RT: 4.97 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.0	
130	84.9	68.2	102.2	





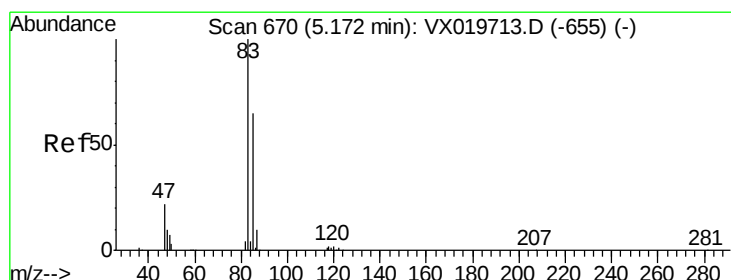
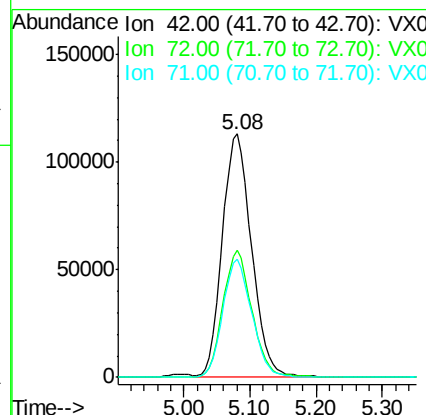
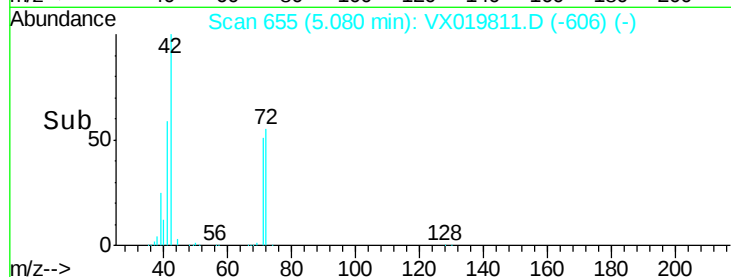
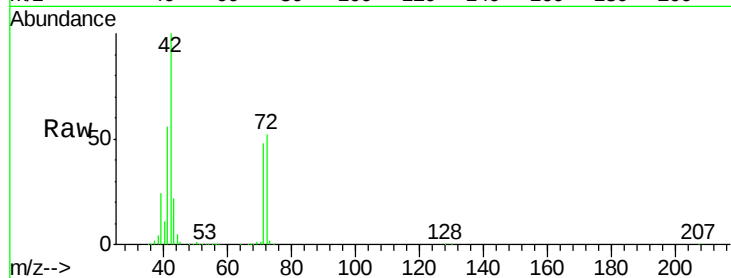
#29
Tetrahydrofuran
Concen: 239.756 ug/l
RT: 5.08 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.9	41.7	62.5
71	48.1	38.4	57.6

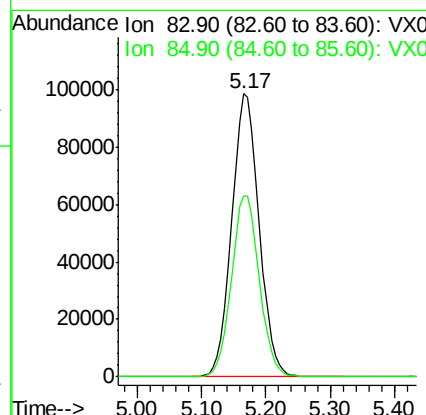
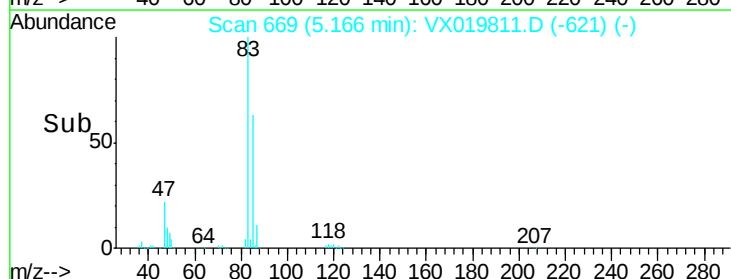
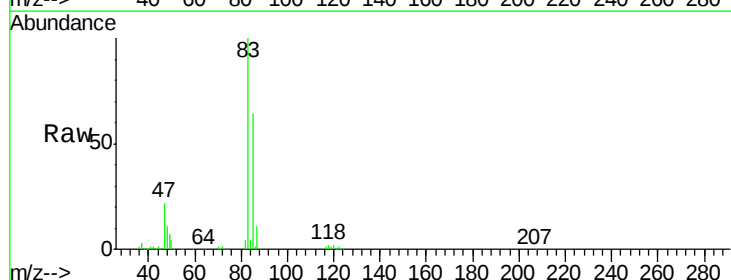
Manual Integrations
APPROVED

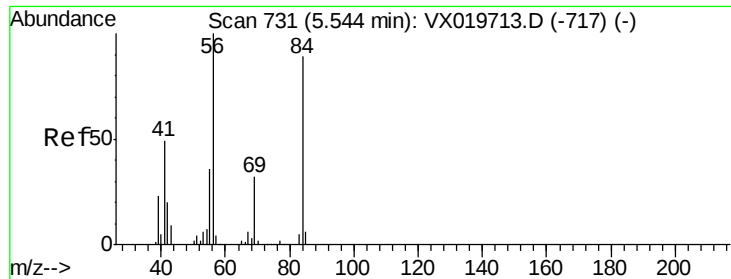
MMDadoda
12/11/2020 12:45:50 PM



#30
Chloroform
Concen: 51.239 ug/l
RT: 5.17 min Scan# 669
Delta R.T. -0.01 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.0	78.0





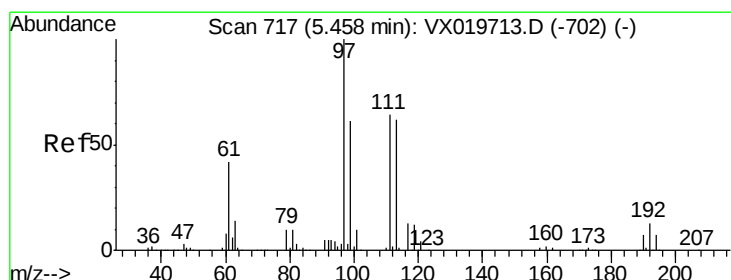
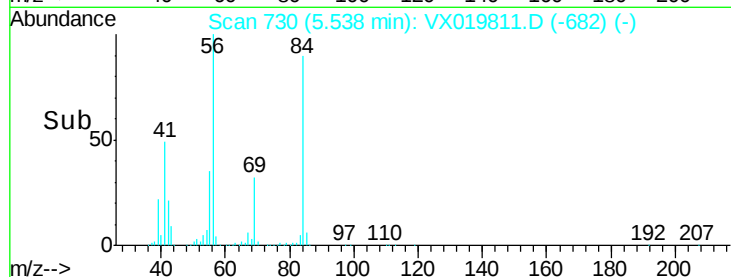
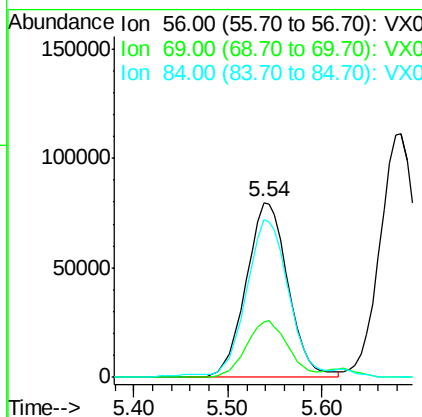
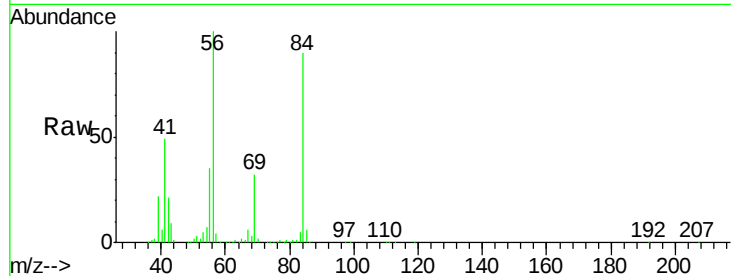
#31
Cvclohexane
Concen: 51.284 ug/l
RT: 5.54 min Scan# 730
Delta R.T. -0.01 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.3	37.9
84	88.8	71.4	107.0

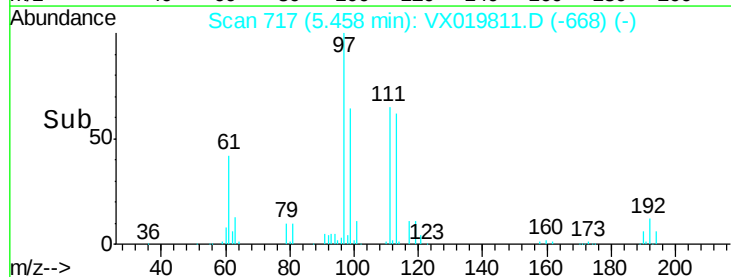
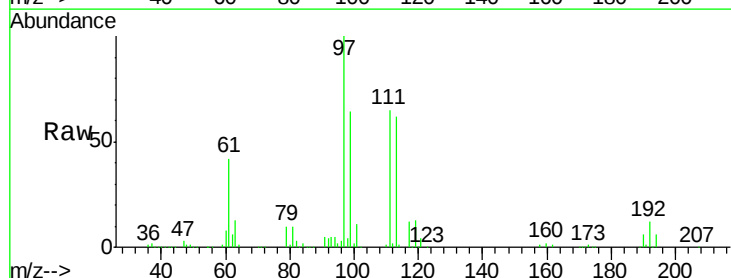
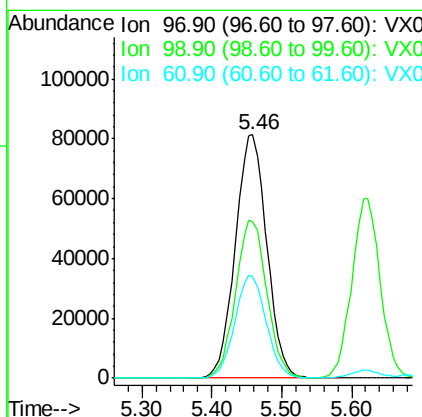
Manual Integrations
APPROVED

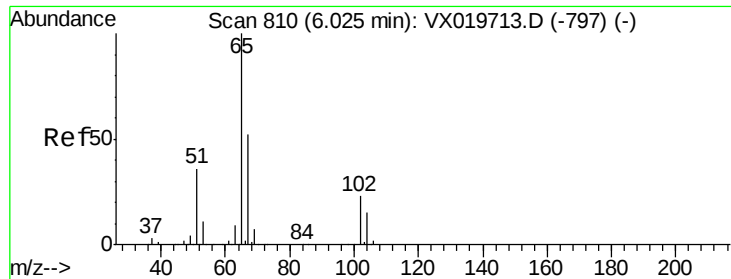
MMDadoda
12/11/2020 12:45:50 PM



#32
1,1,1-Trichloroethane
Concen: 51.358 ug/l
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	42.4	34.2	51.4





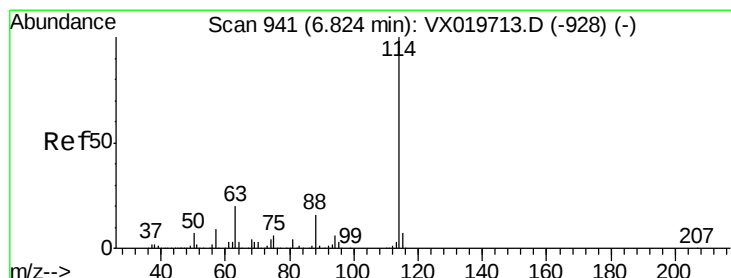
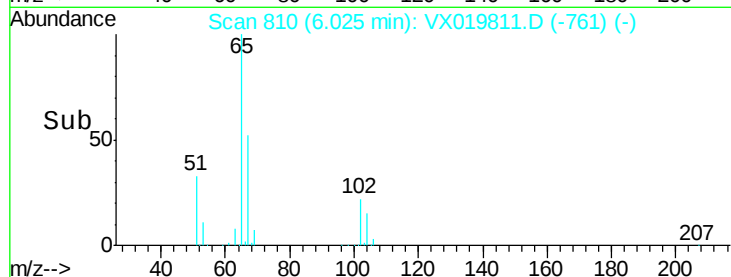
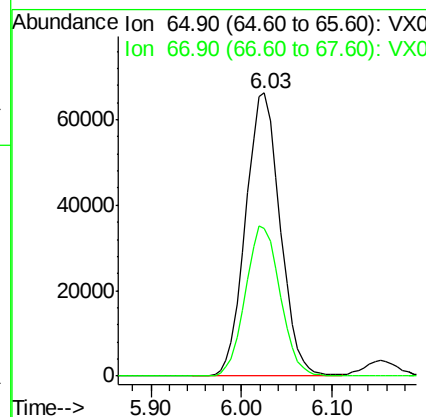
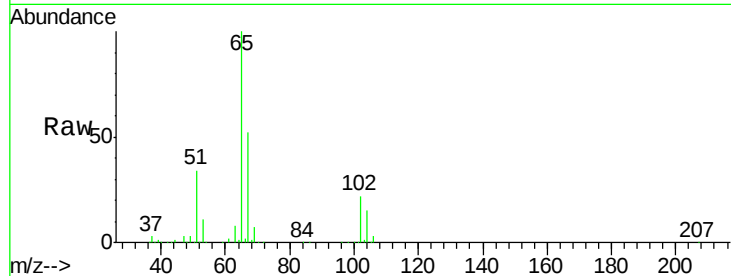
#33
 1,2-Dichloroethane-d4
 Concen: 45.049 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.4

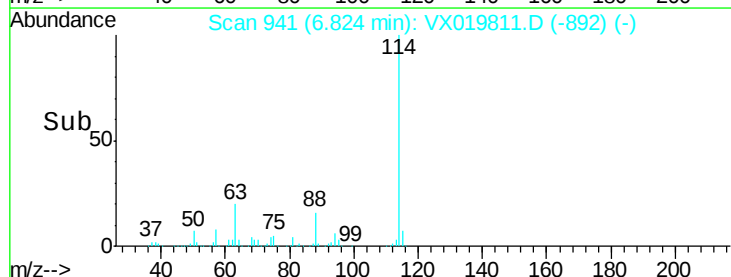
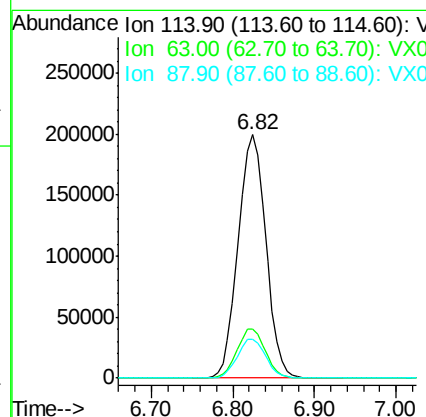
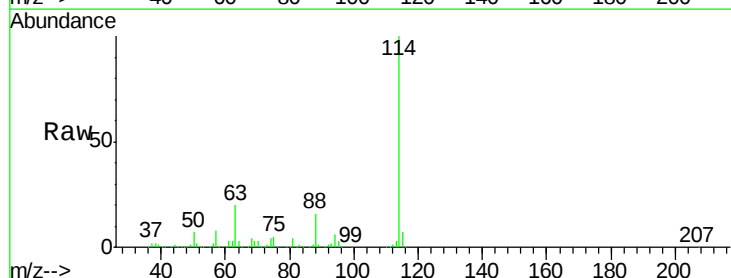
Manual Integrations
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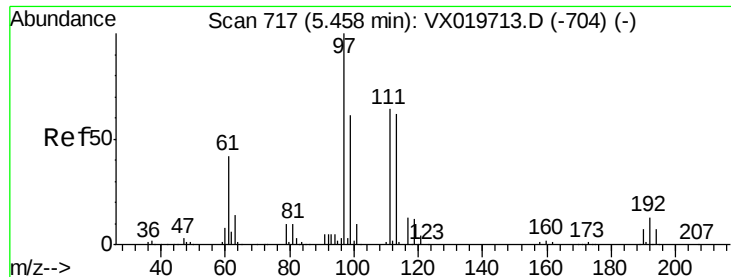
MMDadoda
 12/11/2020 12:45:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	15.8	0.0	32.8





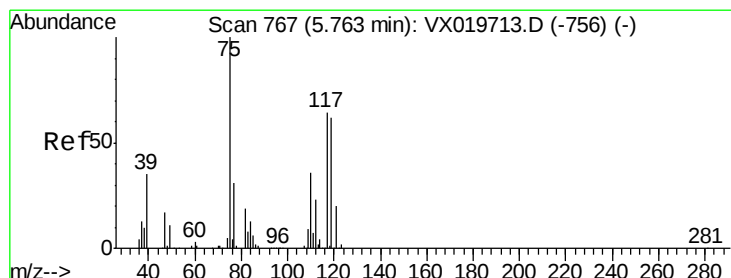
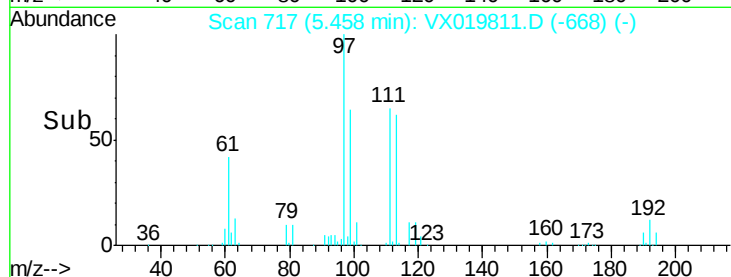
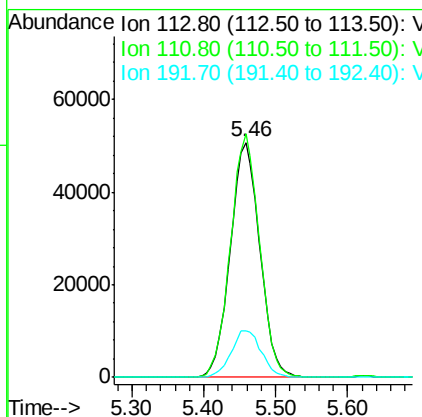
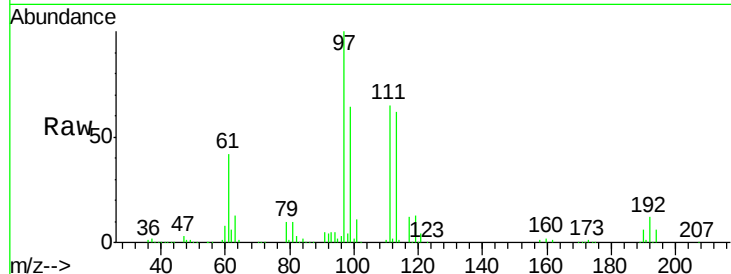
#35
Dibromofluoromethane
Concen: 47.698 ug/l
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144745		
111	102.0	81.9	122.9	
192	20.3	16.7	25.1	

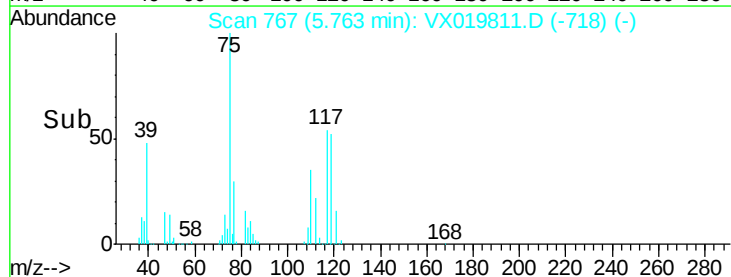
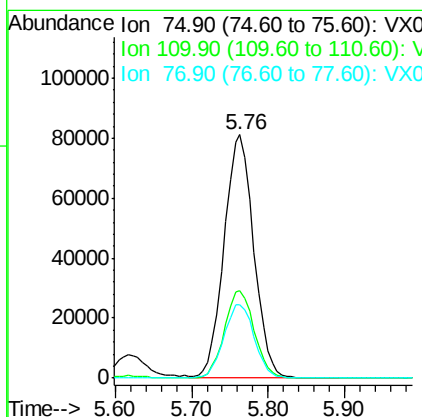
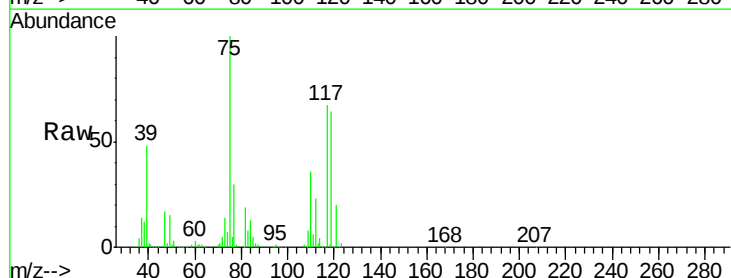
Manual Integrations
APPROVED

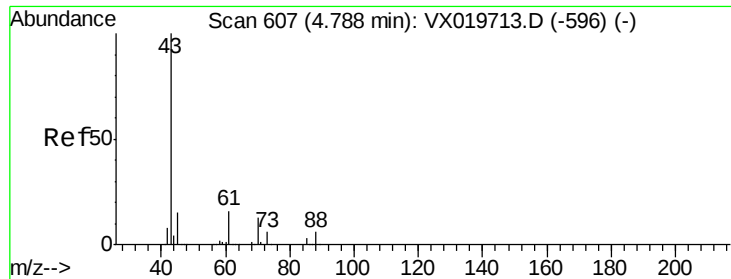
MMDadoda
12/11/2020 12:45:50 PM



#36
1,1-Dichloropropene
Concen: 51.275 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	217559		
110	36.2	18.1	54.4	
77	31.2	25.3	37.9	





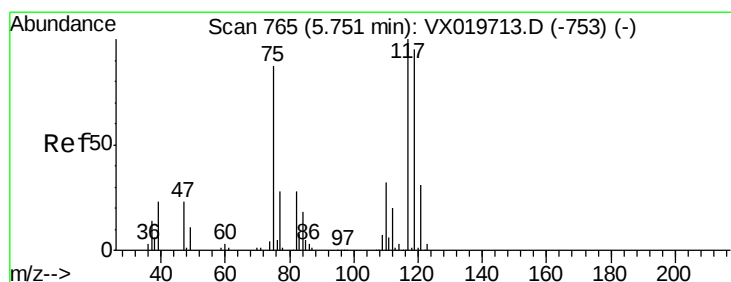
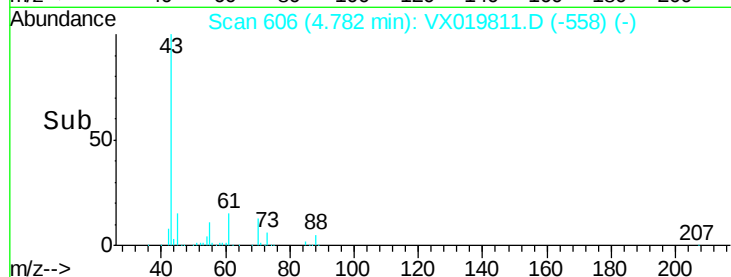
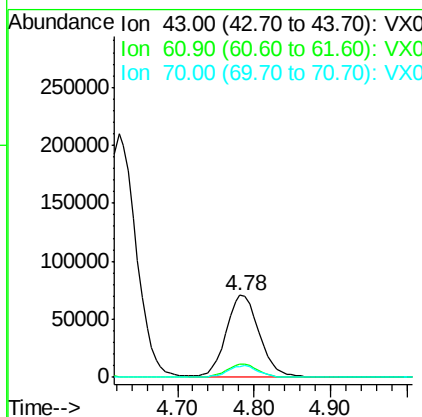
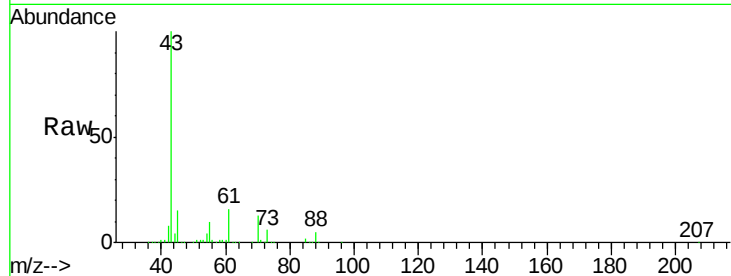
#37
Ethyl Acetate
Concen: 49.330 ug/l
RT: 4.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.8	19.2
70	13.1	10.5	15.7

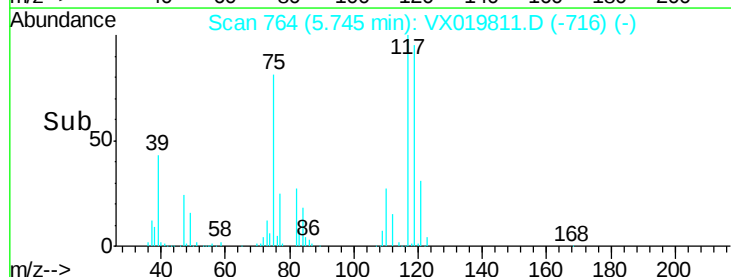
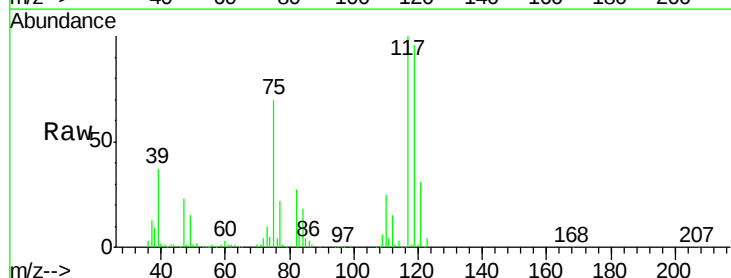
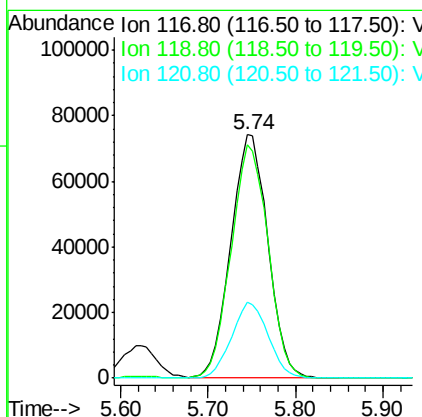
Manual Integrations
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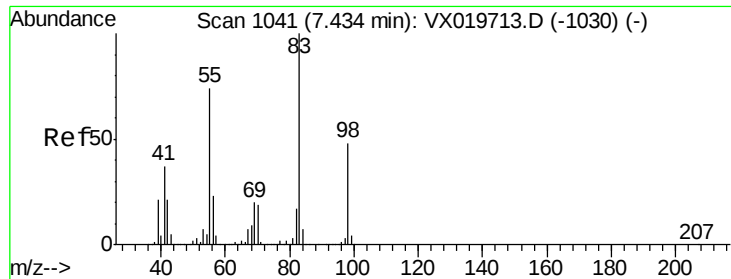
MMDadoda
12/11/2020 12:45:50 PM



#38
Carbon Tetrachloride
Concen: 52.655 ug/l
RT: 5.74 min Scan# 764
Delta R.T. -0.01 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.2	114.2
121	31.1	24.8	37.2





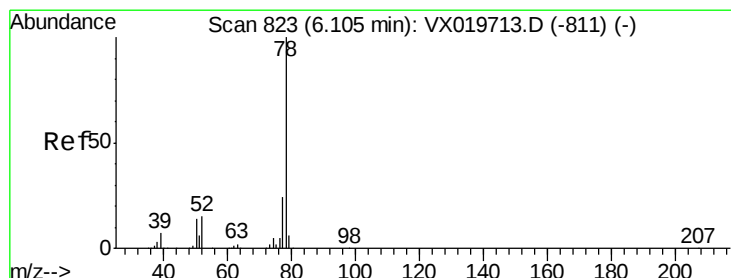
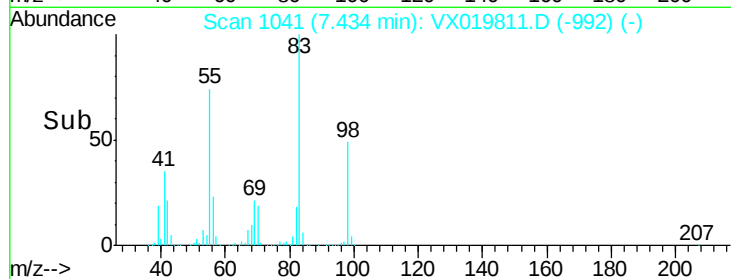
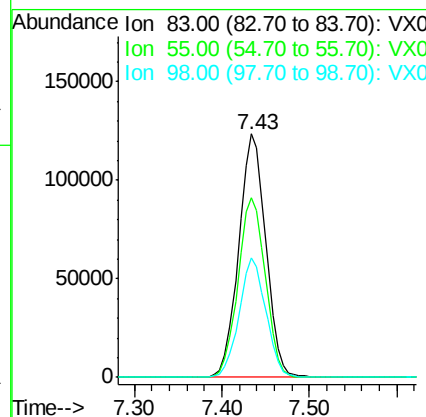
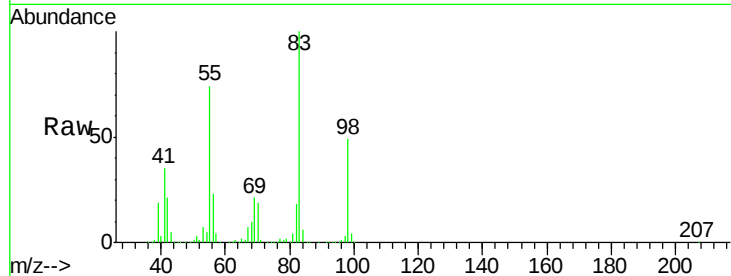
#39
Methvlcvclohexane
Concen: 53.209 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	265246		
55	74.0		58.9	88.3
98	49.1		38.1	57.1

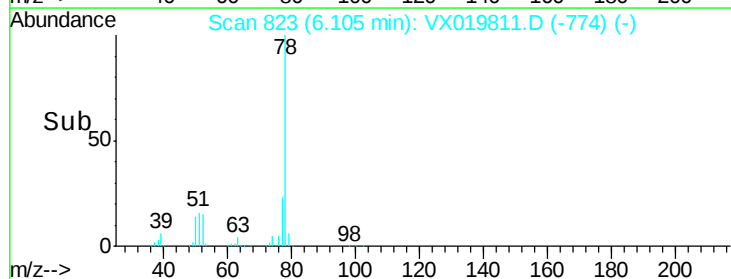
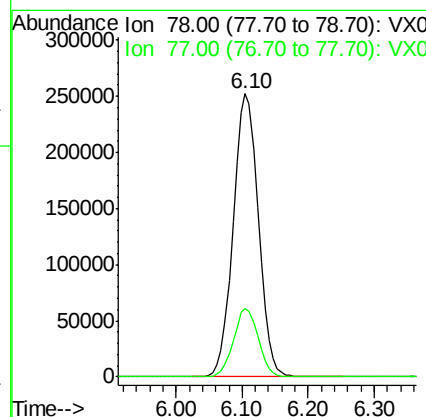
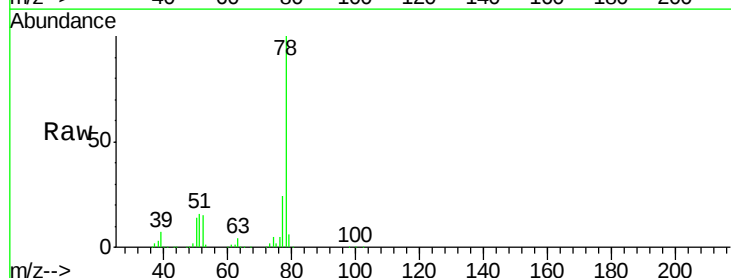
Manual Integrations
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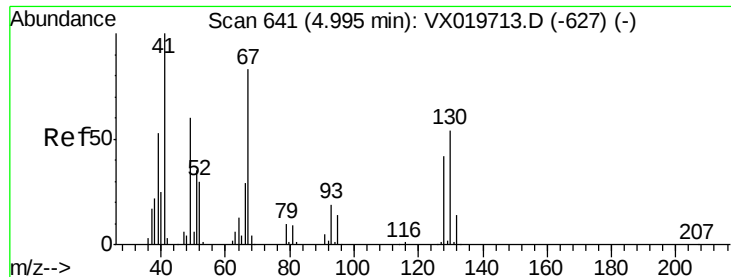
MMDadoda
12/11/2020 12:45:50 PM



#40
Benzene
Concen: 51.289 ug/l
RT: 6.10 min Scan# 823
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	664758		
77	24.1		18.9	28.3





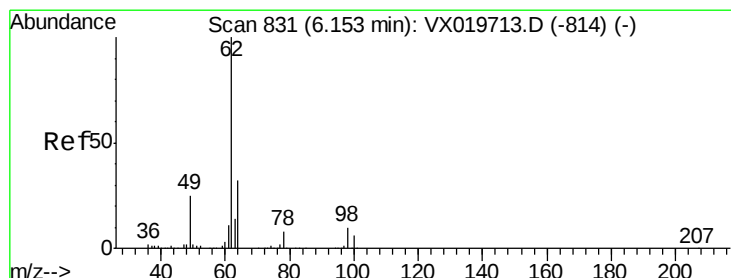
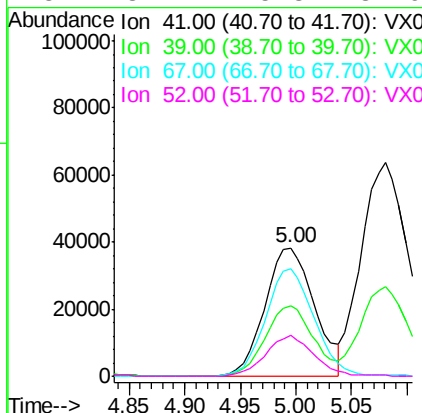
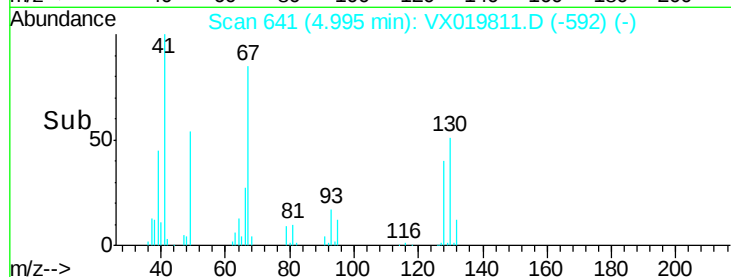
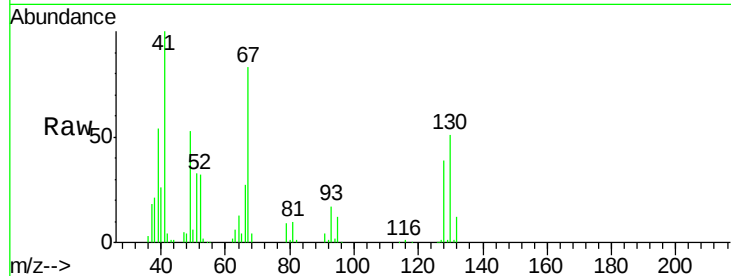
#41
Methacrylonitrile
Concen: 50.539 ug/l
RT: 5.00 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.5	63.7	
67	81.9	65.0	97.6	
52	31.4	25.3	37.9	

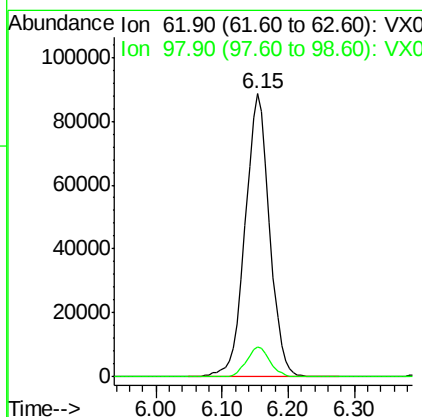
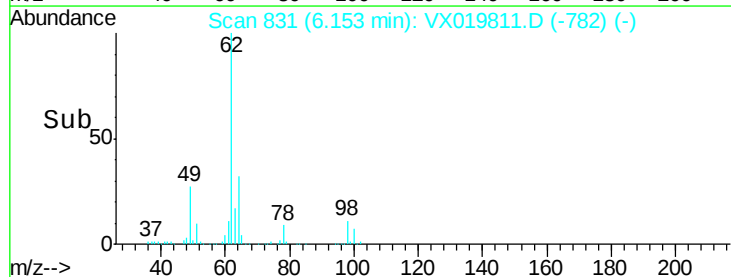
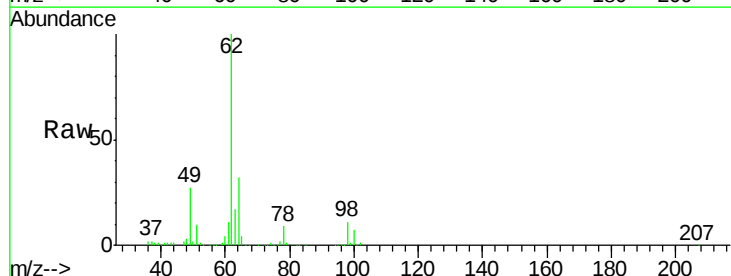
Manual Integrations
APPROVED

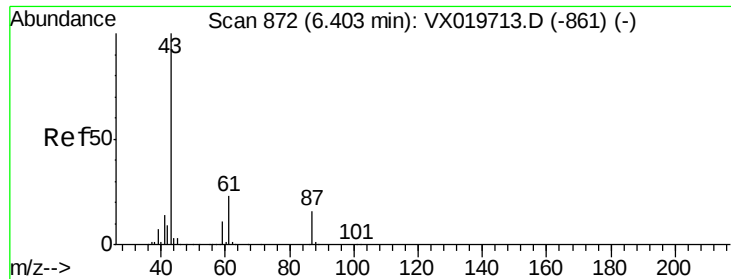
MMDadoda
12/11/2020 12:45:50 PM



#42
1,2-Dichloroethane
Concen: 51.331 ug/l
RT: 6.15 min Scan# 831
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.2	





#43

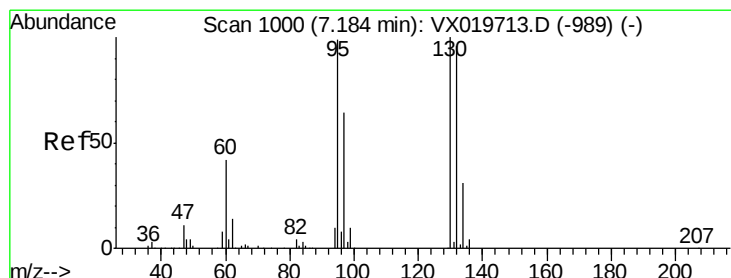
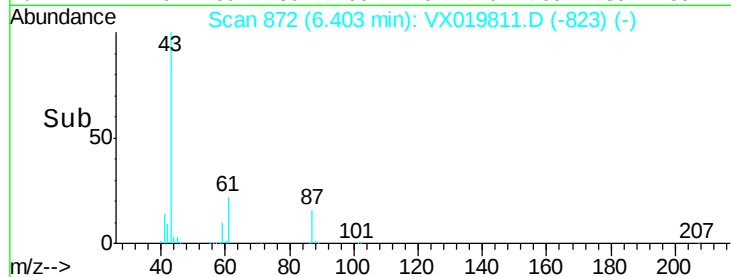
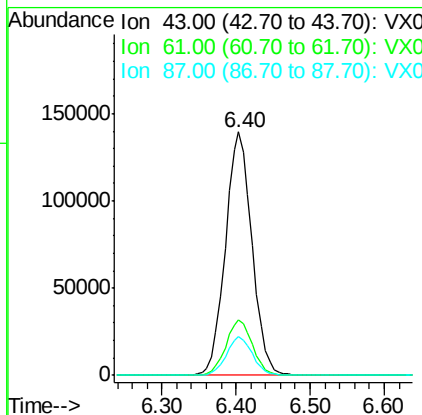
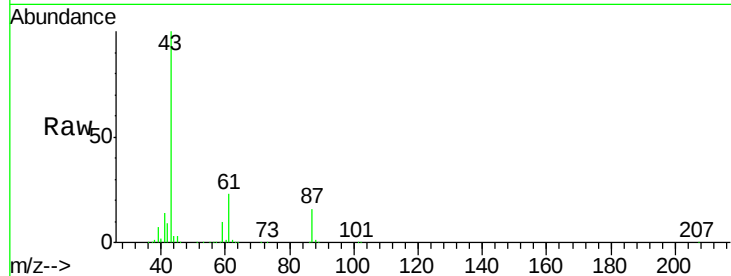
Isopropyl Acetate
 Concen: 49.433 ug/l
 RT: 6.40 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	344292
Ion	Ratio	Lower	Upper
43	100		
61	23.1	18.2	27.4
87	15.5	12.5	18.7

Manual Integrations
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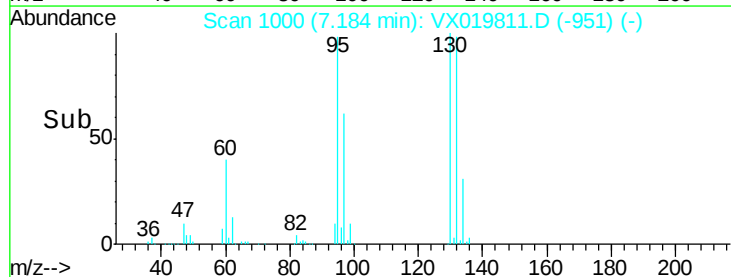
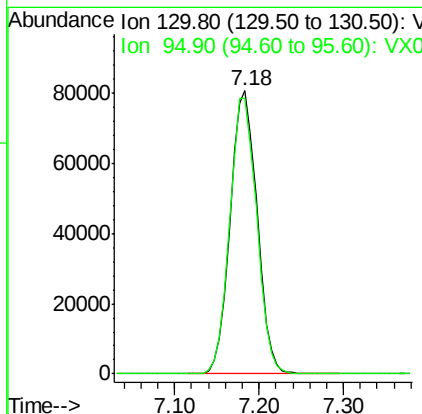
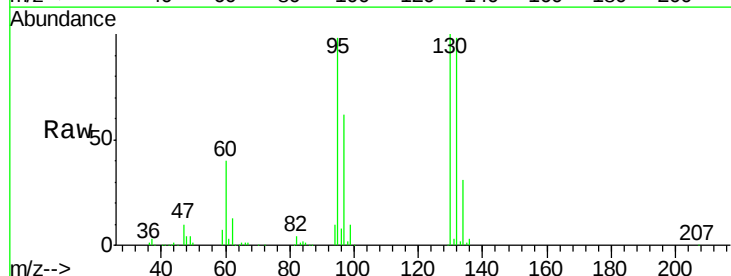
MMDadoda
 12/11/2020 12:45:50 PM

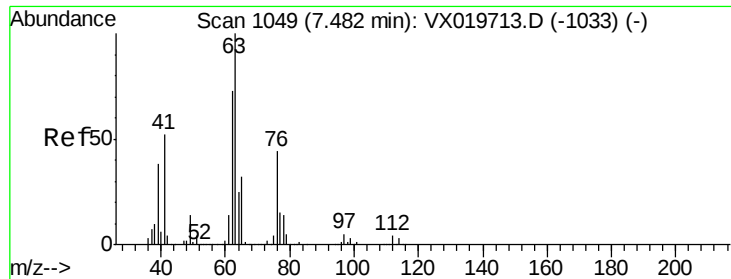


#44

Trichloroethene
 Concen: 51.161 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion:	130	Resp:	173981
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	198.0





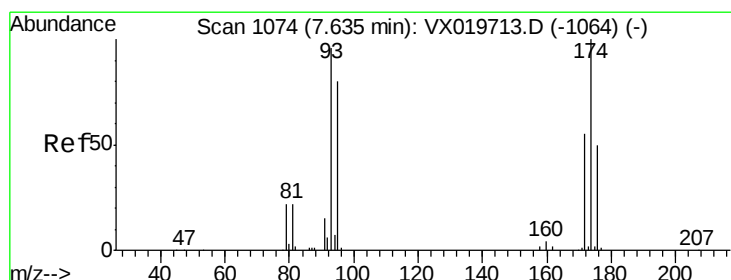
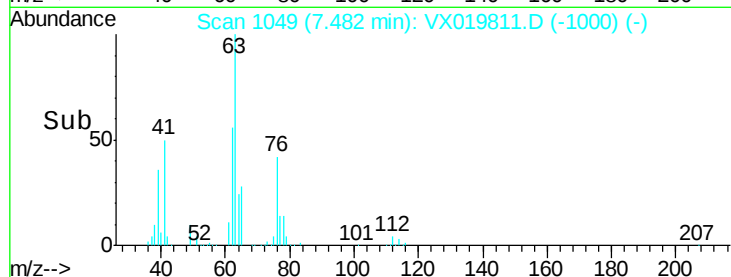
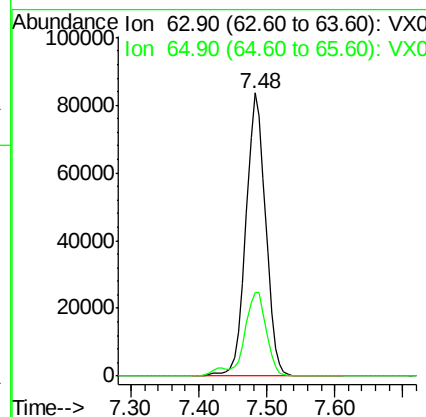
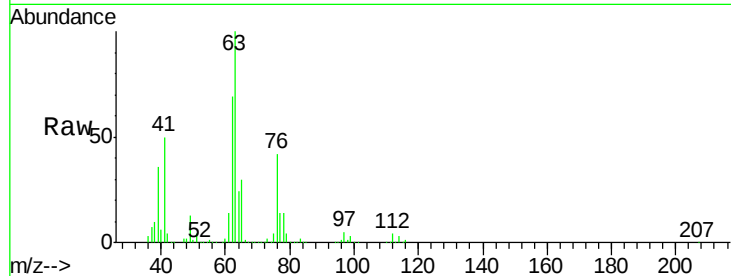
#45
 1,2-Dichloropropane
 Concen: 51.907 ug/l
 RT: 7.48 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 168143
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.7 38.5

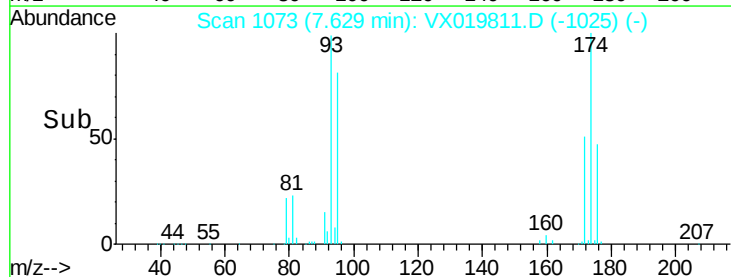
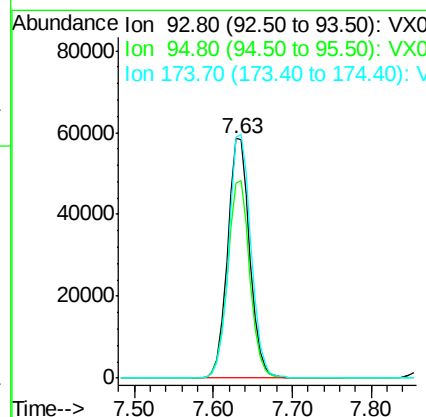
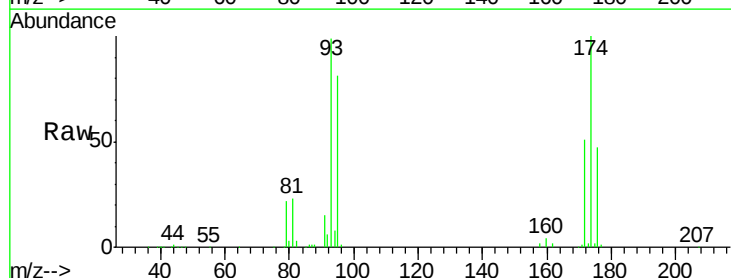
Manual Integrations
 APPROVED

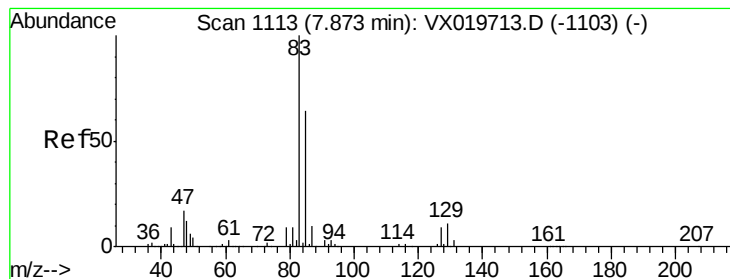
MMDadoda
 12/11/2020 12:45:50 PM



#46
 Dibromomethane
 Concen: 52.109 ug/l
 RT: 7.63 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion: 93 Resp: 113990
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.8 100.2
 174 102.1 83.1 124.7





#47

Bromodichloromethane

Concen: 52.489 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

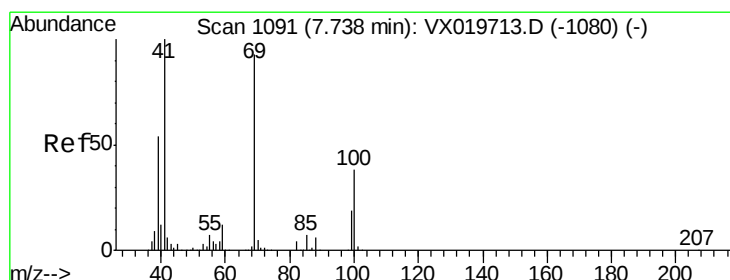
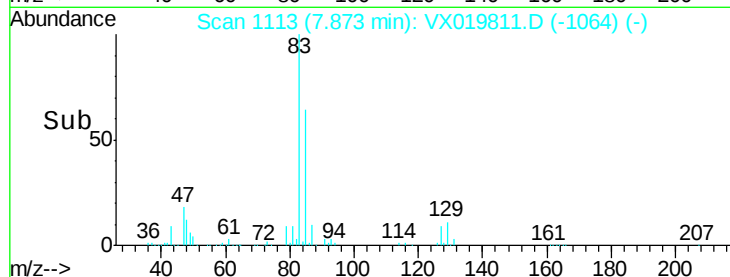
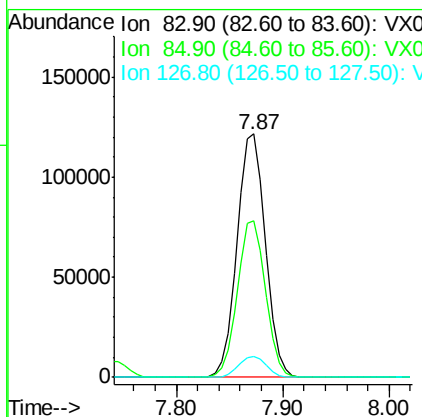
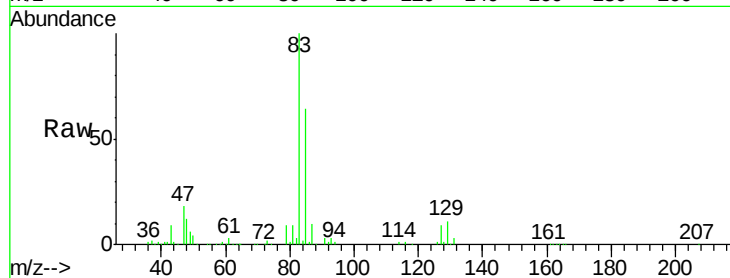
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	227842
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.0
127	8.7	6.8	10.2

Manual Integrations
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MMDadoda
12/11/2020 12:45:50 PM



#48

Methyl methacrylate

Concen: 50.076 ug/l

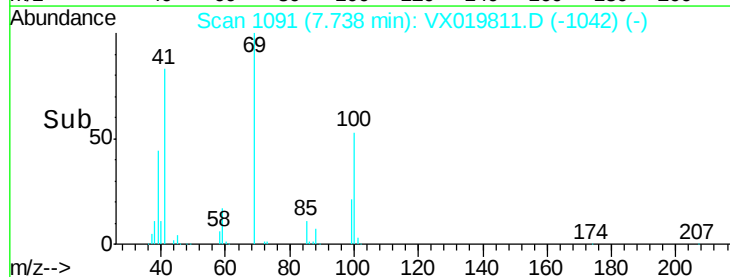
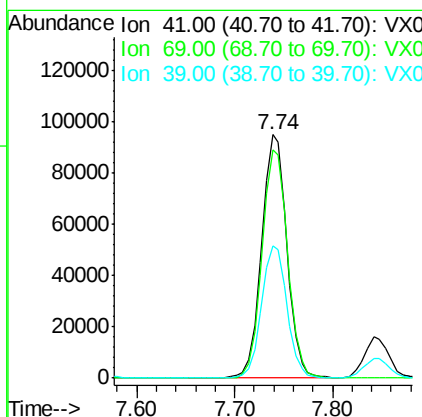
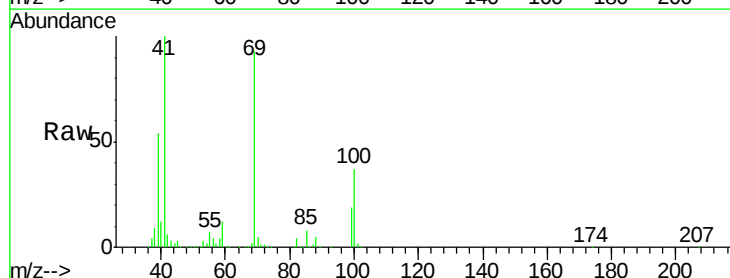
RT: 7.74 min Scan# 1091

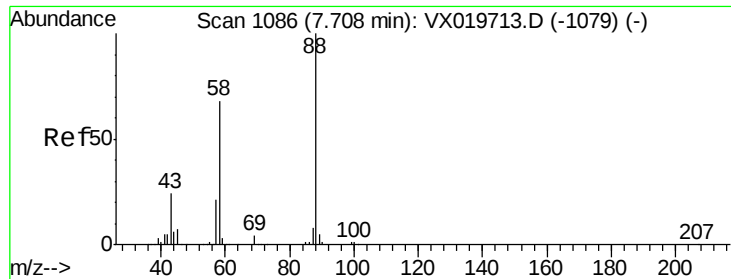
Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Tgt Ion:	41	Resp:	171530
Ion	Ratio	Lower	Upper
41	100		
69	95.2	76.0	114.0
39	55.4	44.6	67.0





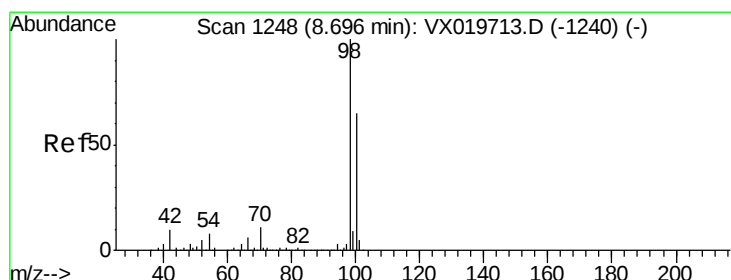
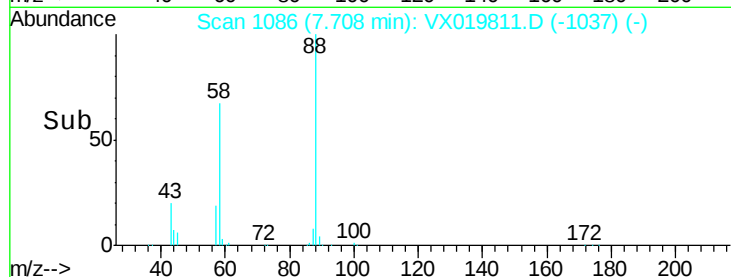
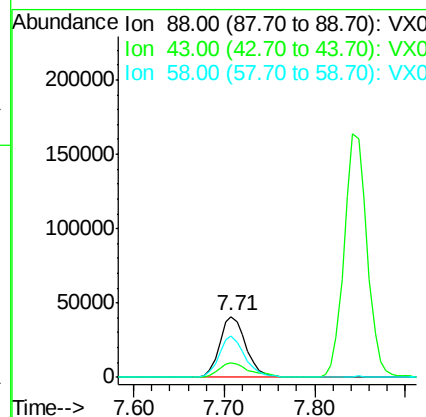
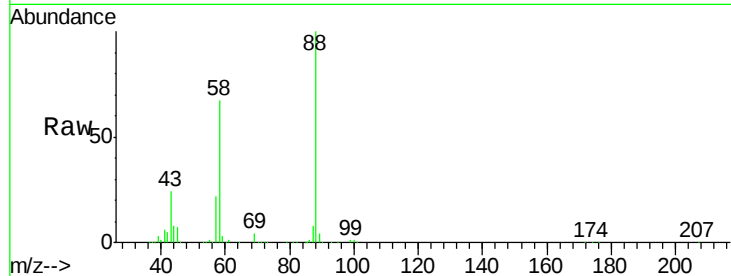
#49
1,4-Dioxane
Concen: 997.333 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.2	34.8
58	68.0	55.0	82.4

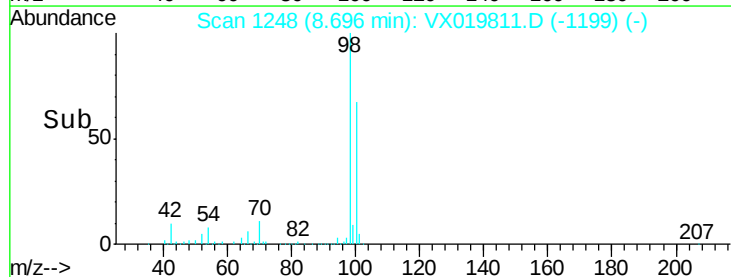
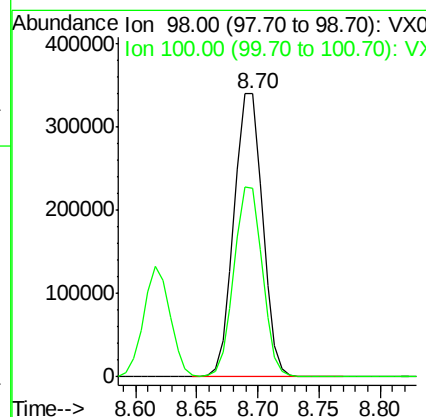
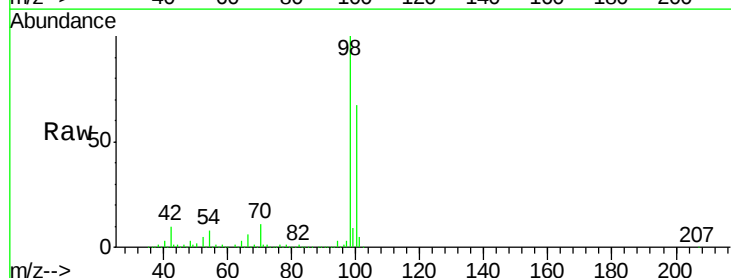
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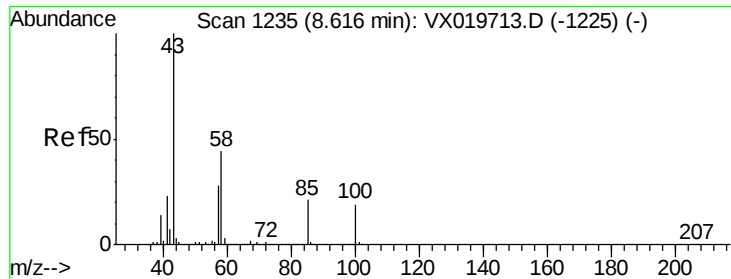
MMDadoda
12/11/2020 12:45:50 PM



#50
Toluene-d8
Concen: 47.461 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.9	77.9





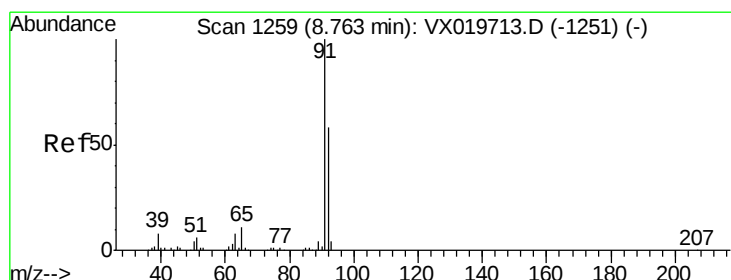
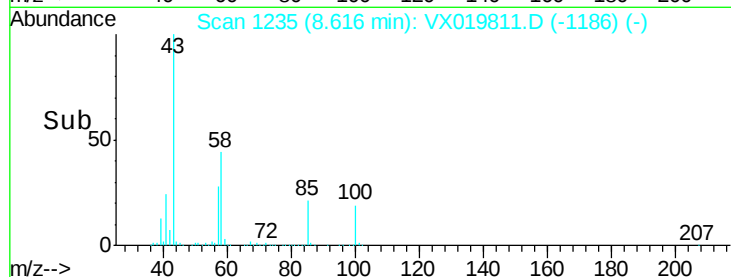
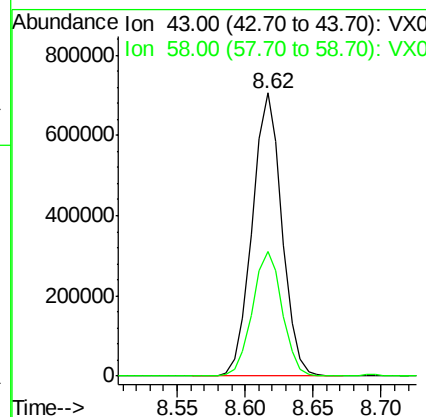
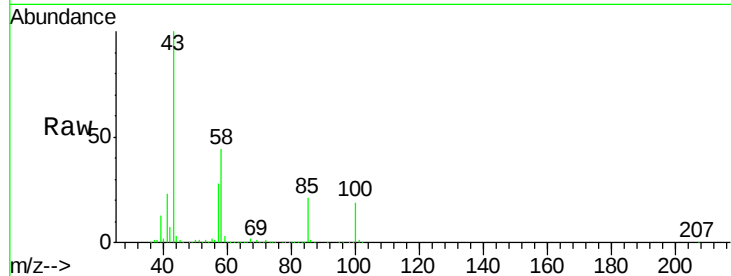
#51
4-Methyl-2-Pentanone
Concen: 253.814 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1079289
Ion Ratio Lower Upper
43 100
58 44.3 35.4 53.0

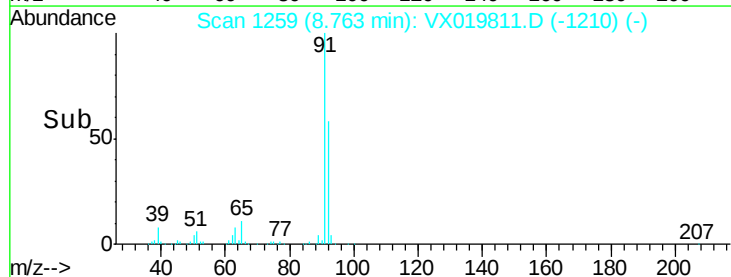
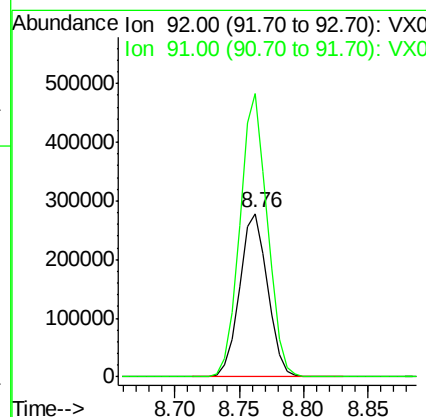
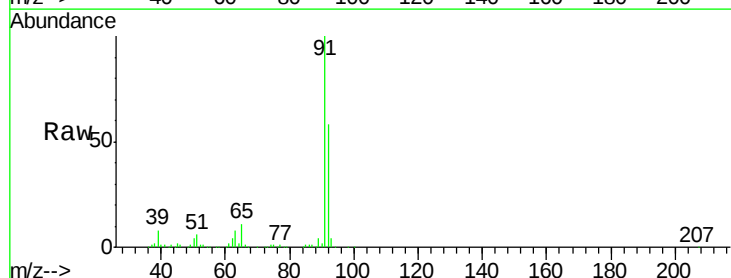
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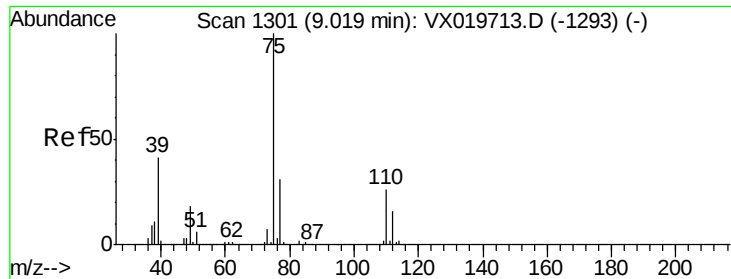
MMDadoda
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#52
Toluene
Concen: 51.856 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion: 92 Resp: 420363
Ion Ratio Lower Upper
92 100
91 169.7 137.1 205.7





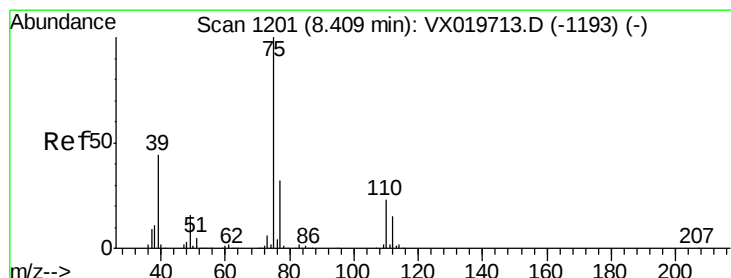
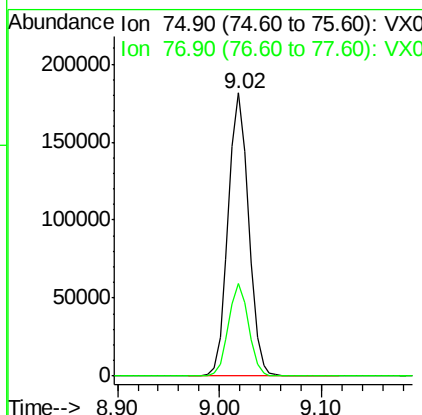
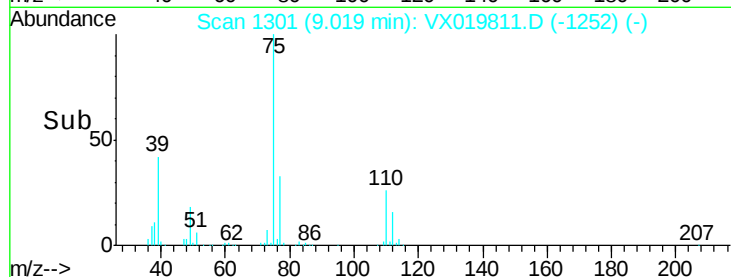
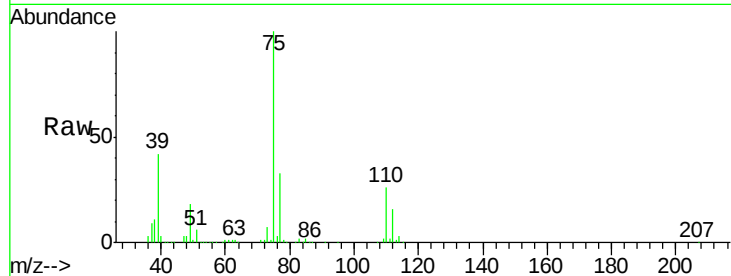
#53
 t-1,3-Dichloropropene
 Concen: 52.355 ug/l
 RT: 9.02 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 252191
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.9 37.3

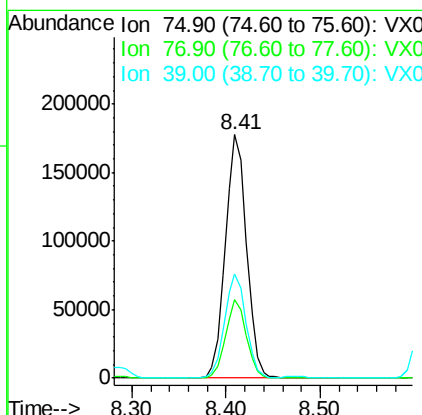
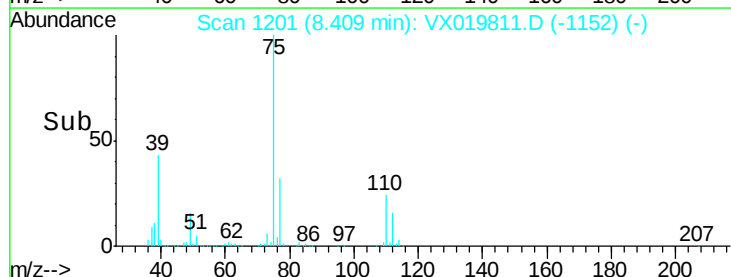
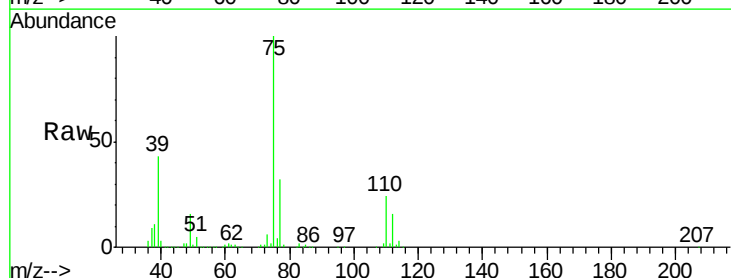
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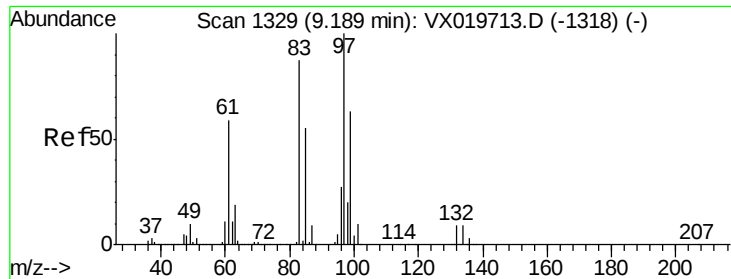
MMDadoda
 12/11/2020 12:45:50 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.028 ug/l
 RT: 8.41 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion: 75 Resp: 277505
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.7 38.5
 39 42.8 35.1 52.7





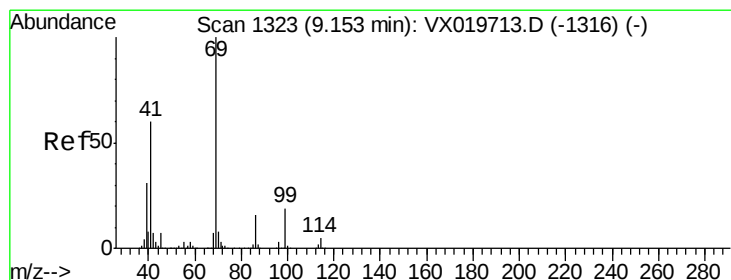
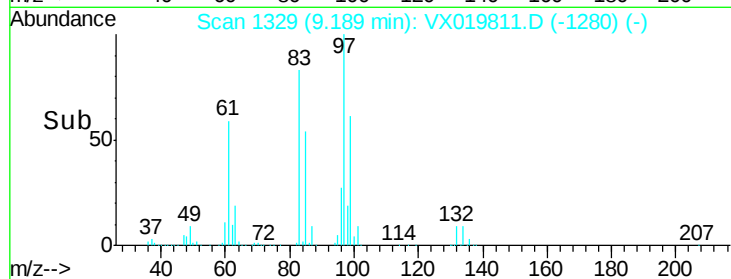
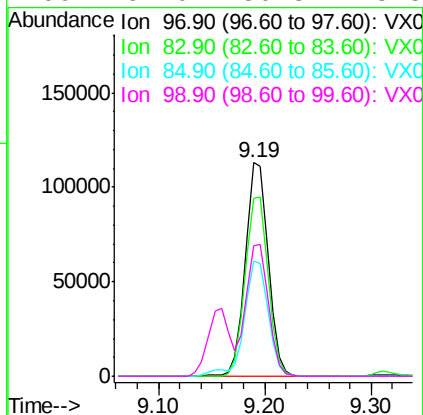
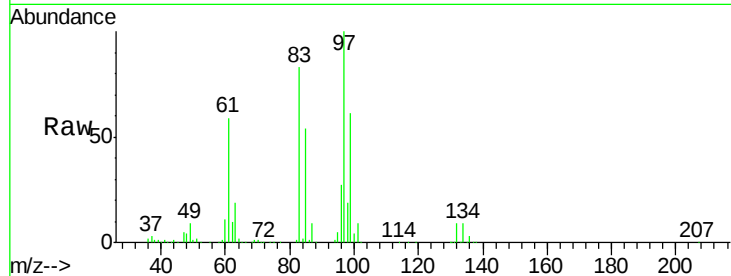
#55
 1,1,2-Trichloroethane
 Concen: 52.522 ug/l
 RT: 9.19 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	171577		
83	83.1	69.3	103.9	
85	53.9	44.3	66.5	
99	61.0	50.3	75.5	

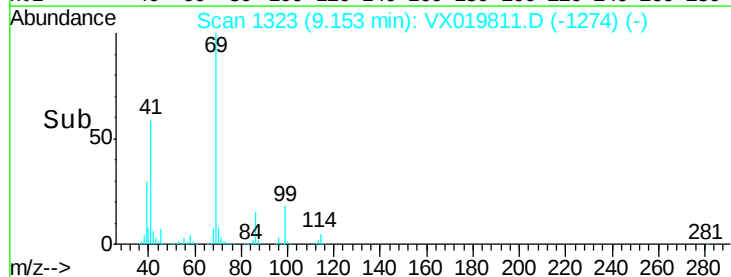
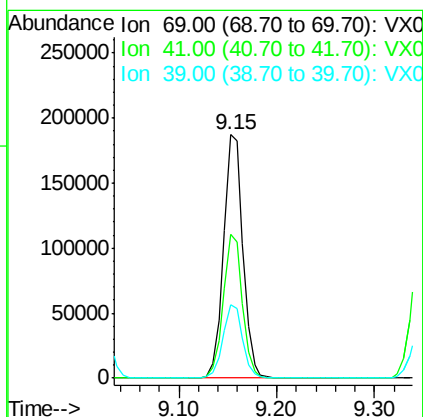
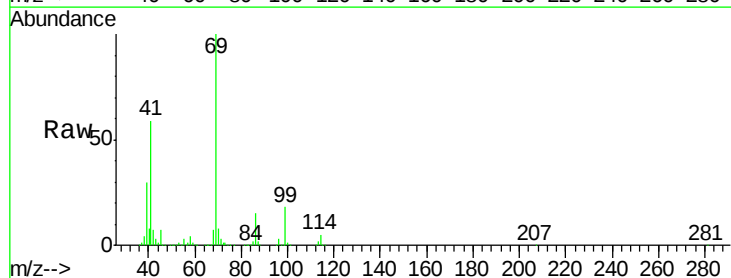
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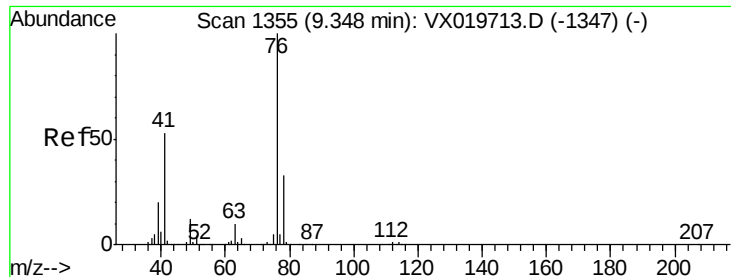
MMDadoda
 12/11/2020 12:45:50 PM



#56
 Ethyl methacrylate
 Concen: 51.978 ug/l
 RT: 9.15 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	256900		
41	58.4	46.8	70.2	
39	30.5	24.7	37.1	





#57

1,3-Dichloropropane

Concen: 50.979 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 284360

Ion Ratio Lower Upper

76 100

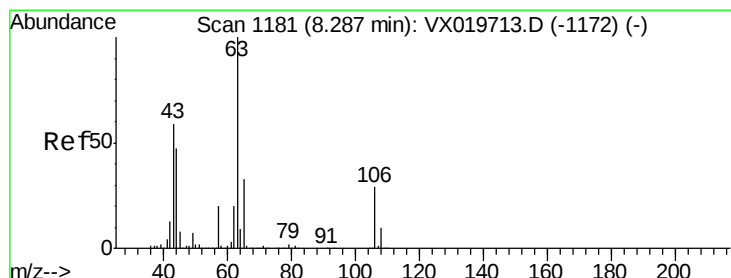
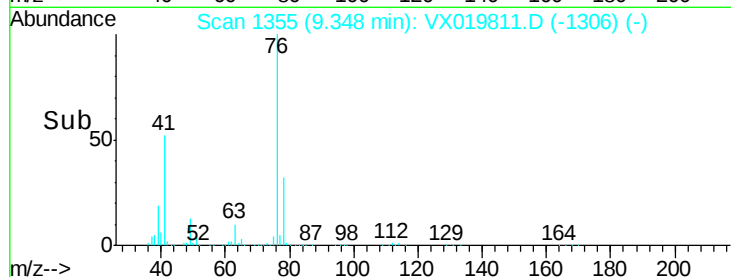
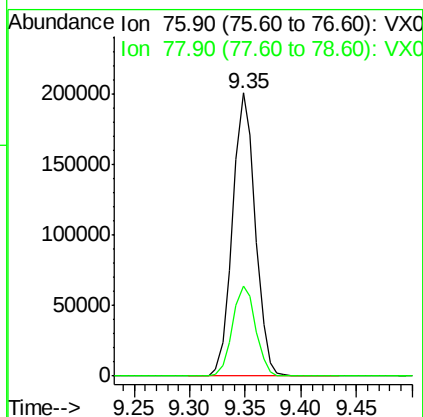
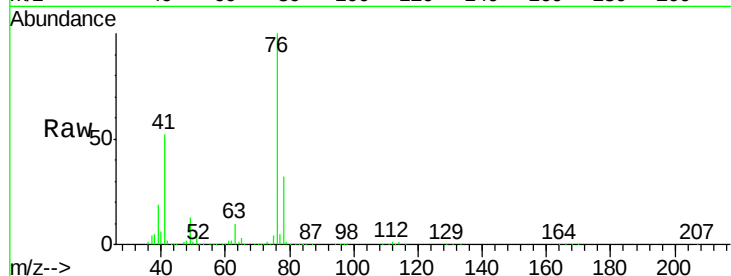
78 32.5 26.2 39.2

Manual Integrations

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MMDadoda

12/11/2020 12:45:50 PM



#58

2-Chloroethyl Vinyl ether

Concen: 263.880 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX019811.D

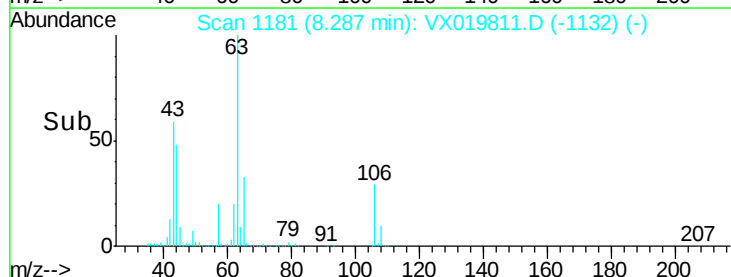
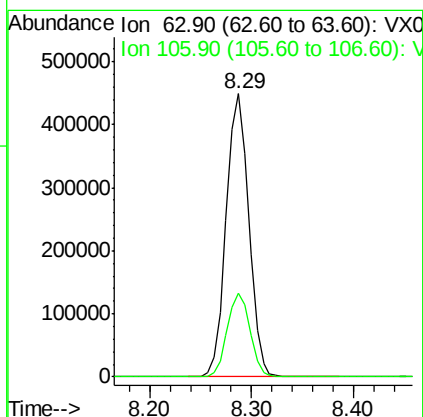
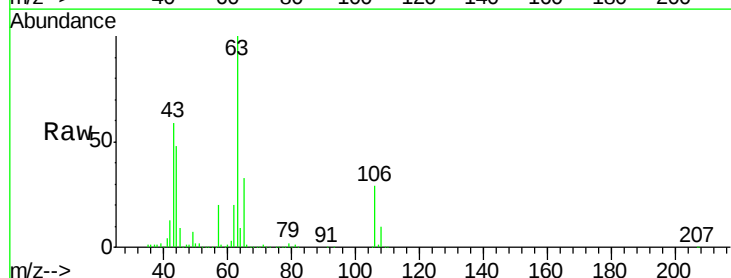
Acq: 10 Dec 2020 09:20

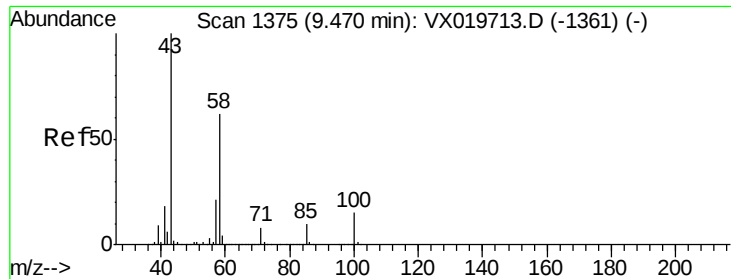
Tgt Ion: 63 Resp: 690922

Ion Ratio Lower Upper

63 100

106 29.7 23.5 35.3





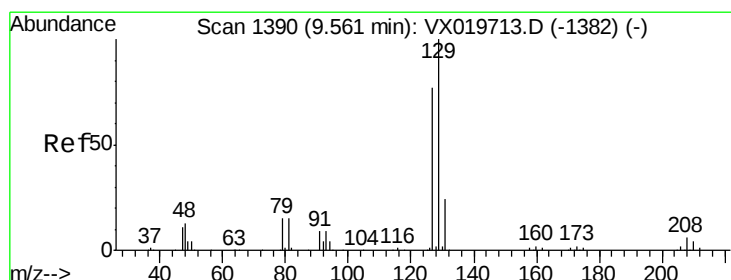
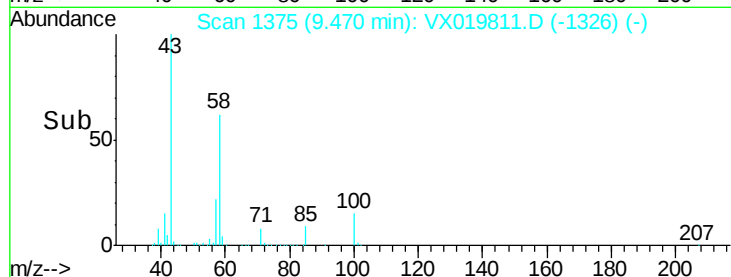
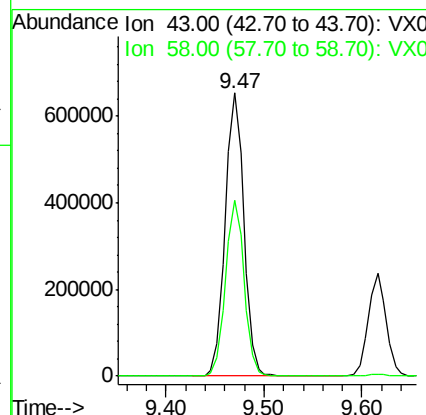
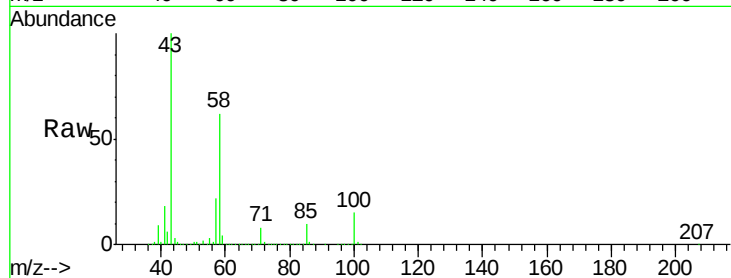
#59
2-Hexanone
Concen: 263.879 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.7	30.9	92.8

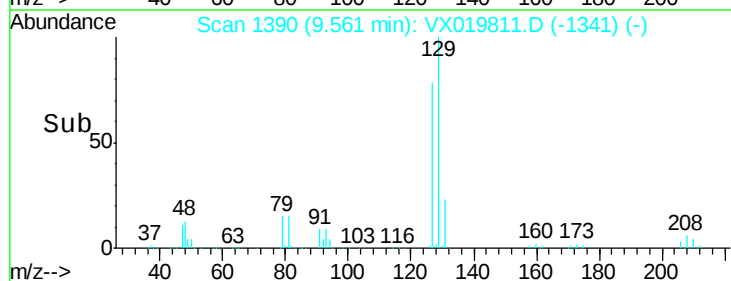
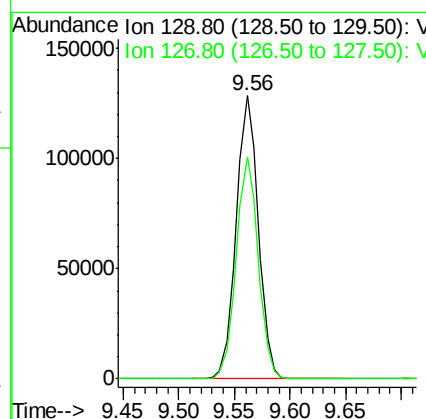
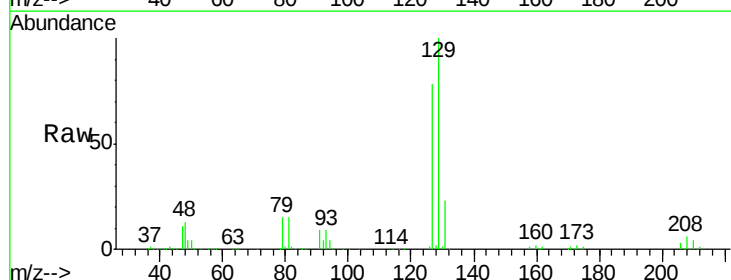
Manual Integrations
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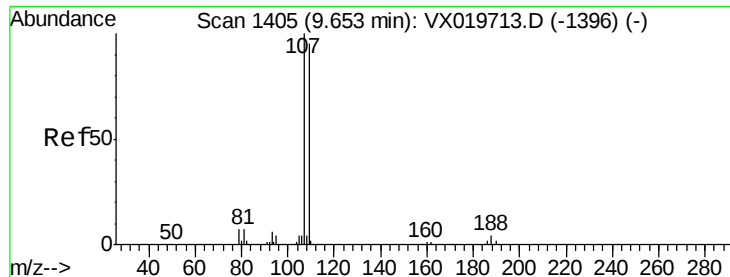
MMDadoda
12/11/2020 12:45:50 PM



#60
Dibromochloromethane
Concen: 53.244 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2





#61

1,2-Dibromoethane

Concen: 51.217 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 177667

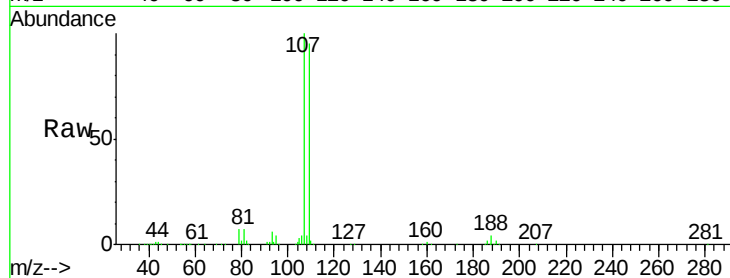
Ion Ratio Lower Upper

107 100

109 94.5 75.8 113.6

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12/11/2020 12:45:50 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

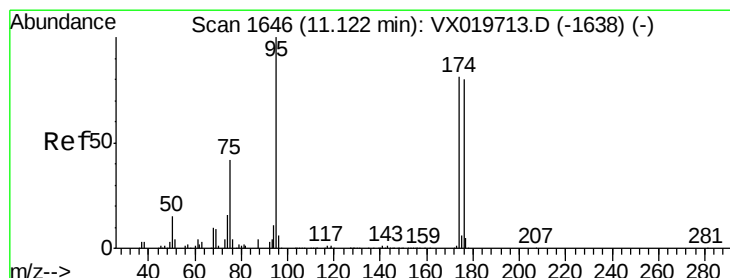
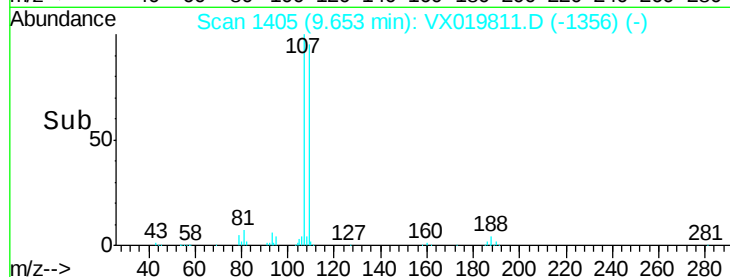
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.730 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.01 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

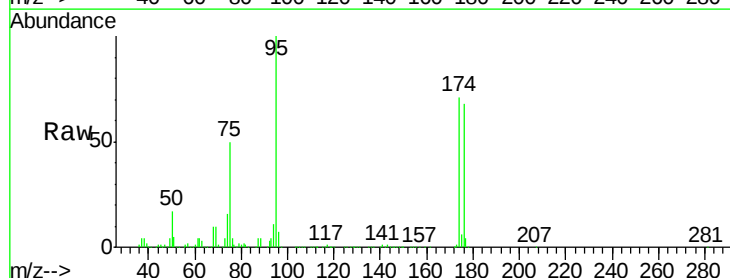
Tgt Ion: 95 Resp: 210467

Ion Ratio Lower Upper

95 100

174 79.0 0.0 154.6

176 76.3 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

11.12

200000

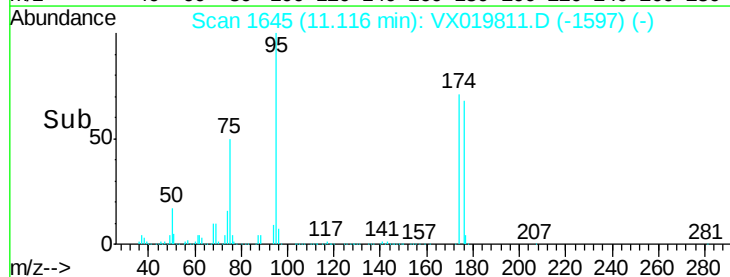
150000

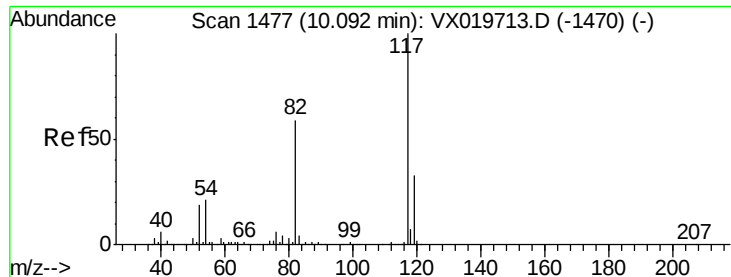
100000

50000

0

Time-->





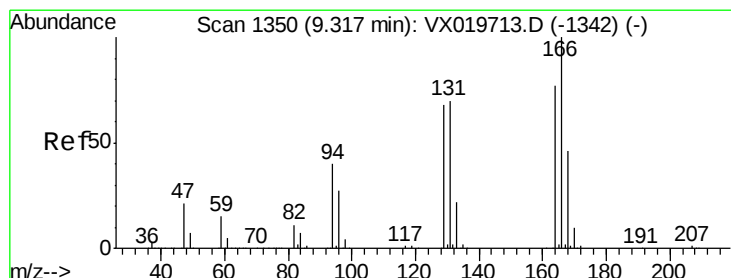
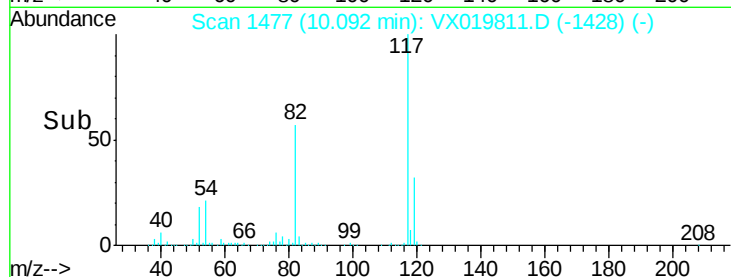
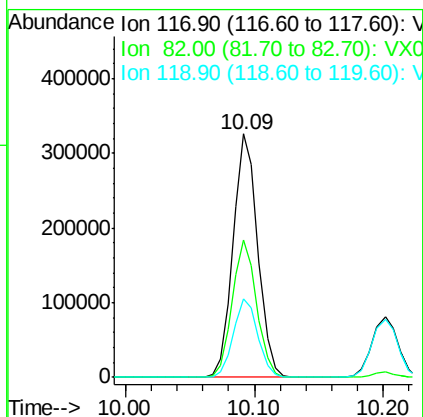
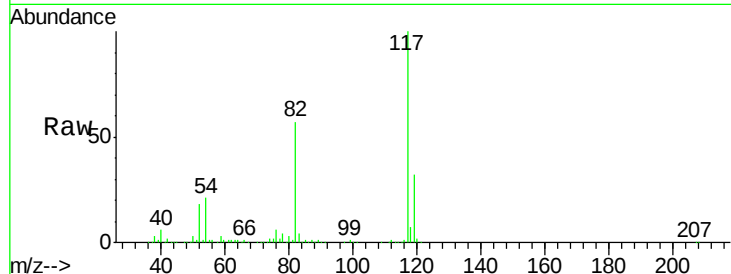
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	435078		
82	56.6		47.4	71.2
119	32.4		26.6	39.8

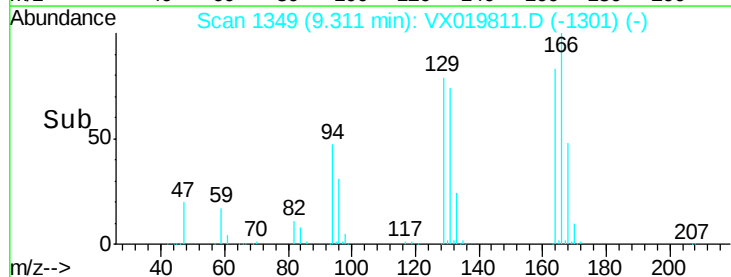
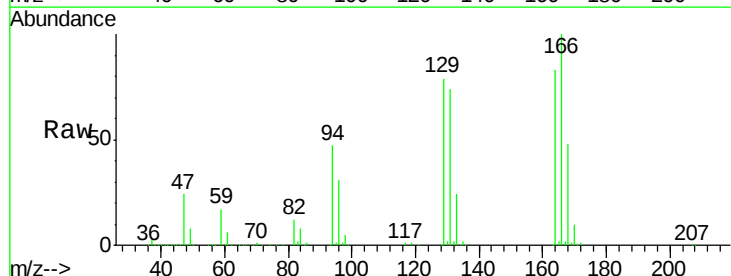
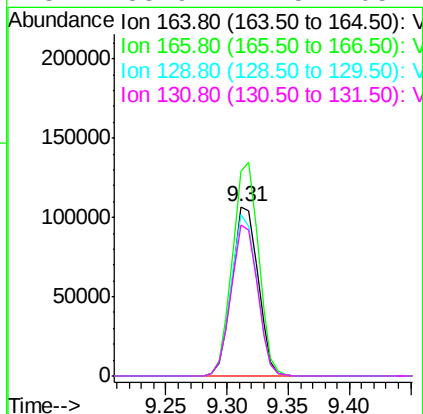
Manual Integrations
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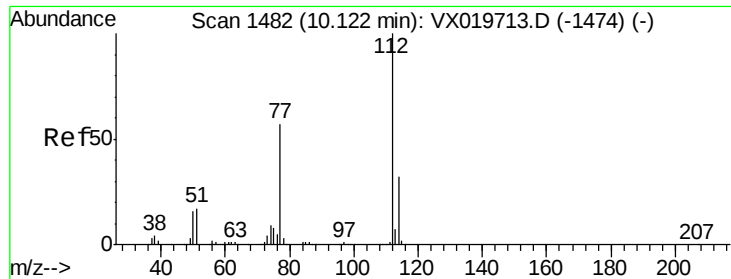
MMDadoda
12/11/2020 12:45:50 PM



#64
Tetrachloroethene
Concen: 54.193 ug/l
RT: 9.31 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	158120		
166	120.8		103.4	155.2
129	94.9		70.8	106.2
131	88.9		72.5	108.7





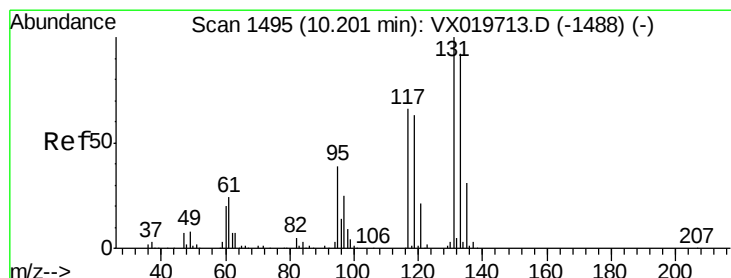
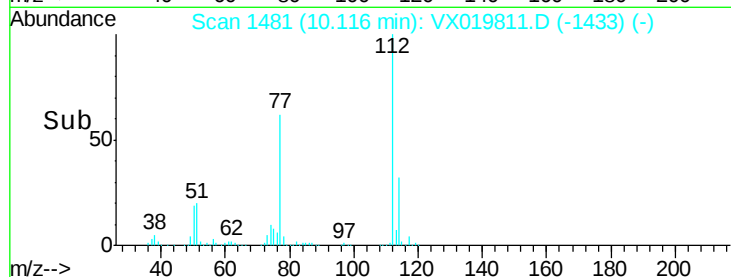
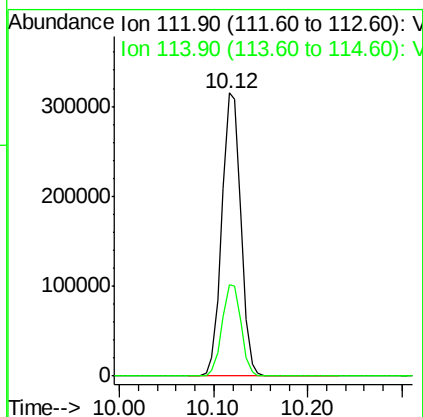
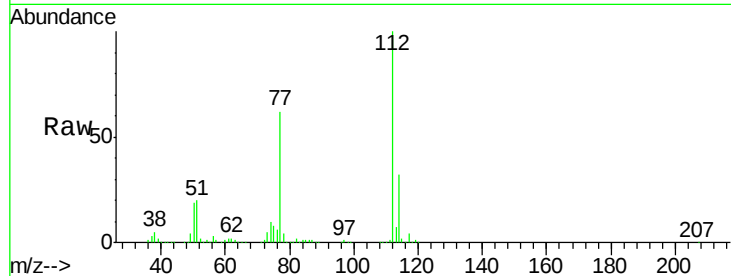
#65
Chlorobenzene
Concen: 50.636 ug/l
RT: 10.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 438909
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6

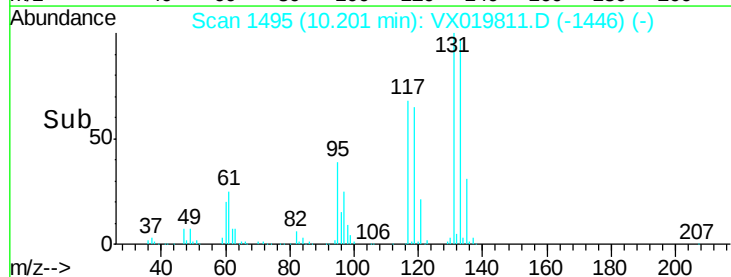
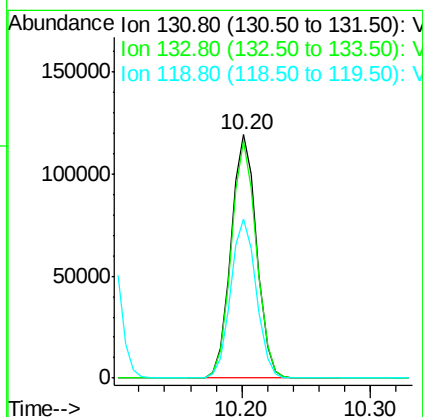
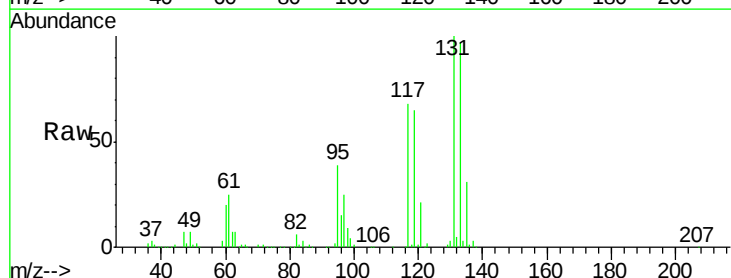
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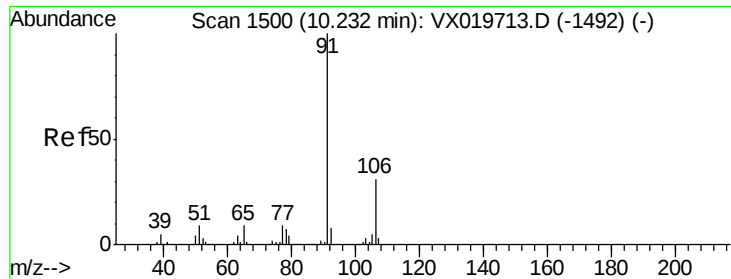
MMDadoda
12/11/2020 12:45:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.992 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion:131 Resp: 165327
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 65.7 32.1 96.5





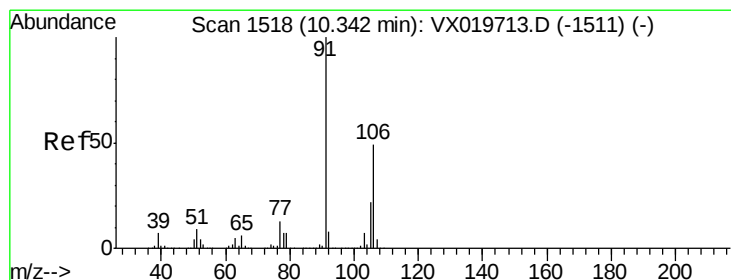
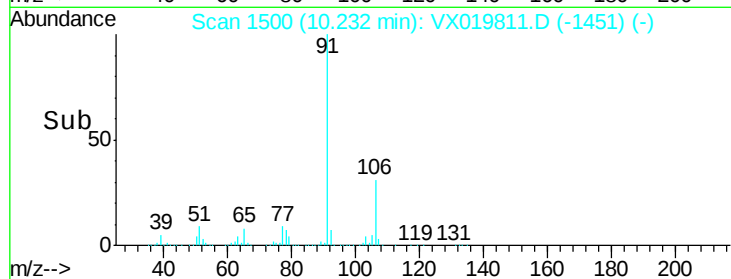
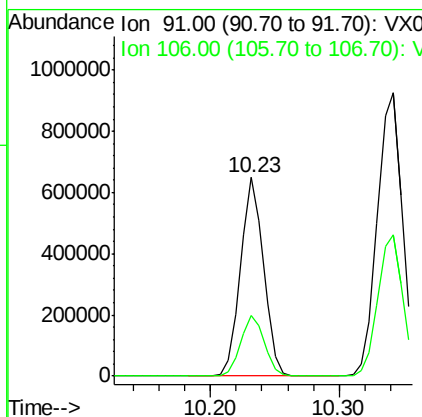
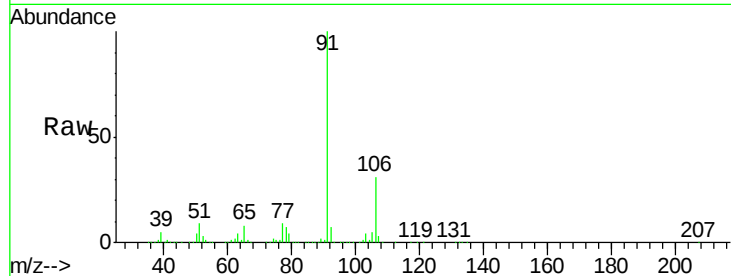
#67
Ethyl Benzene
Concen: 52.213 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 803347
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0

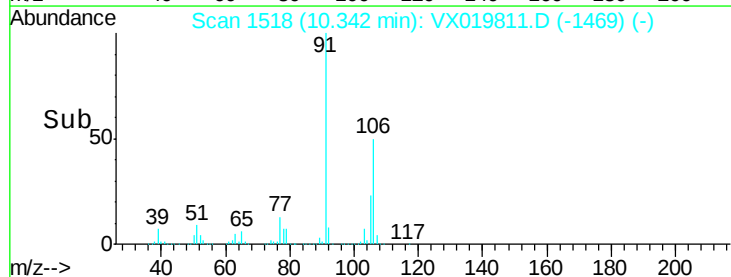
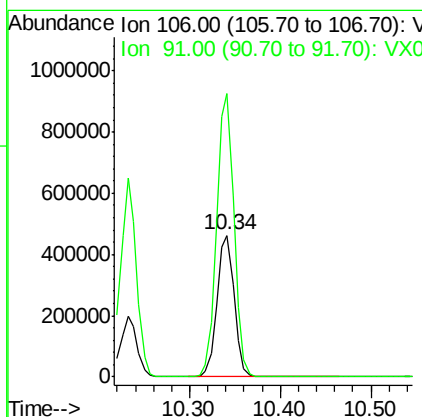
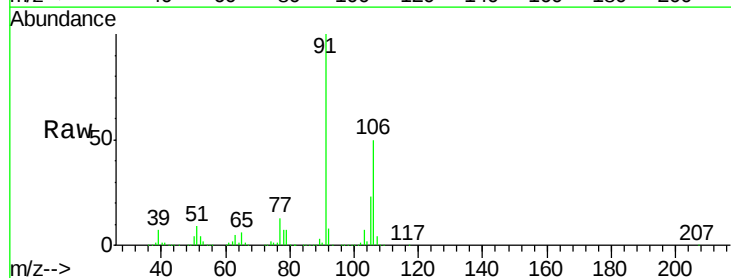
Manual Integrations
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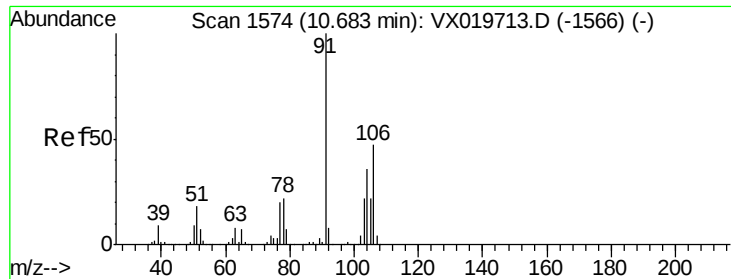
MMDadoda
12/11/2020 12:45:50 PM



#68
m/p-Xylenes
Concen: 105.977 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion: 106 Resp: 614422
Ion Ratio Lower Upper
106 100
91 201.6 162.8 244.2





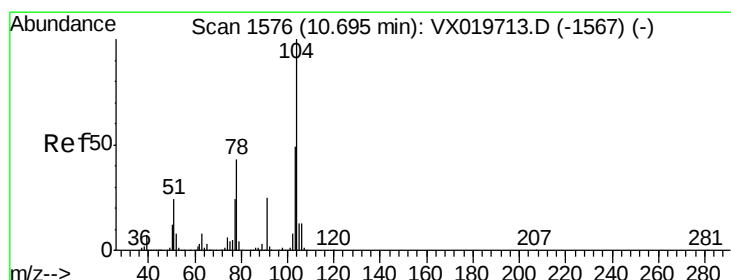
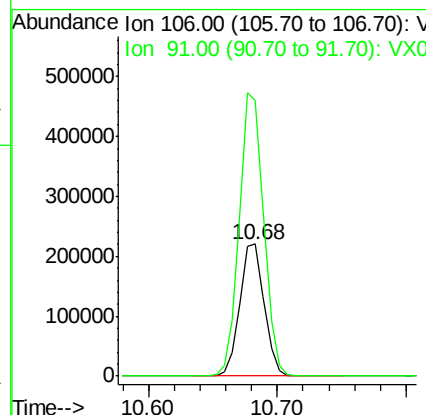
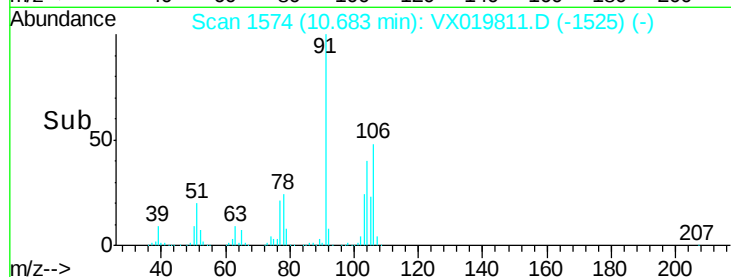
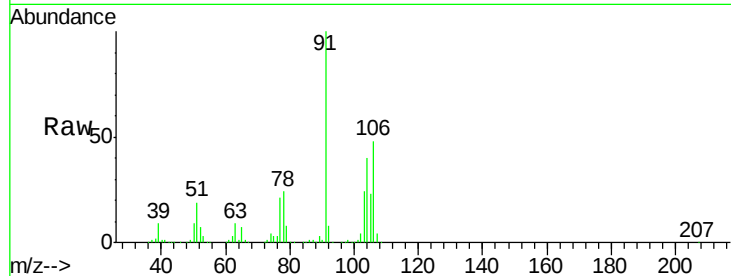
#69
o-Xylene
Concen: 52.437 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 292446
Ion Ratio Lower Upper
106 100
91 214.3 108.1 324.2

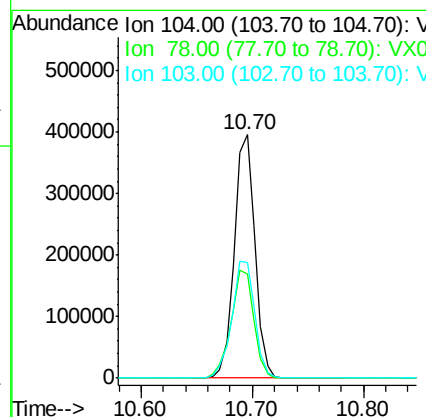
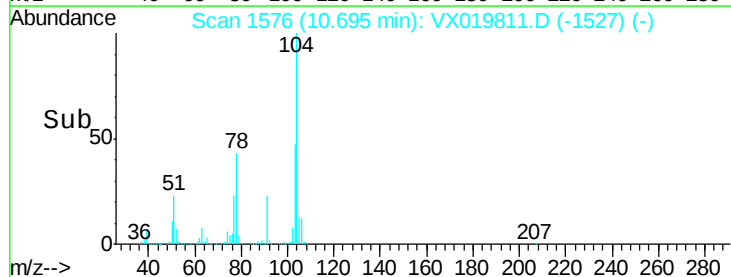
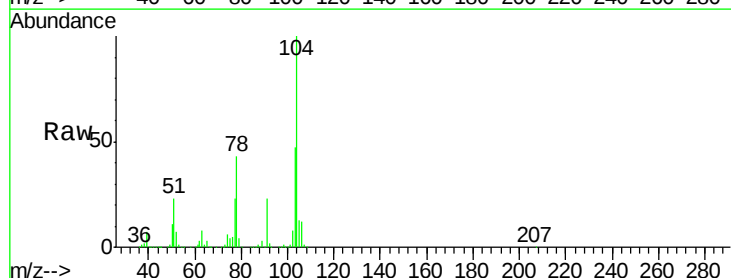
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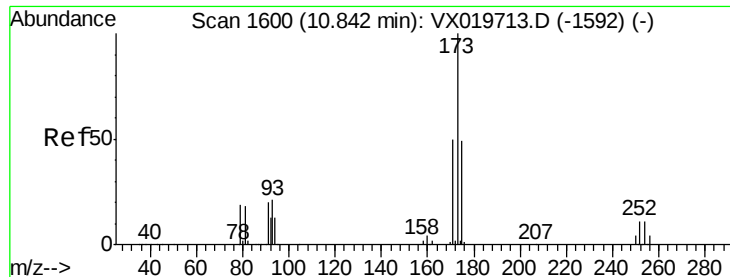
MMDadoda
12/11/2020 12:45:50 PM



#70
Styrene
Concen: 53.675 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion:104 Resp: 505269
Ion Ratio Lower Upper
104 100
78 49.3 40.0 60.0
103 53.6 43.4 65.0





#71

Bromoform

Concen: 54.110 ug/l

RT: 10.84 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 132802

Ion Ratio Lower Upper

173 100

175 47.4 23.9 71.8

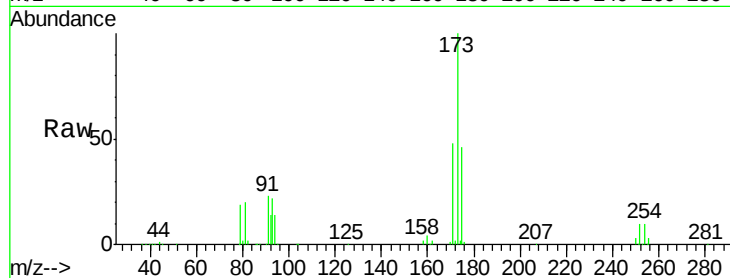
254 0.1 0.1 0.1#

Manual Integrations

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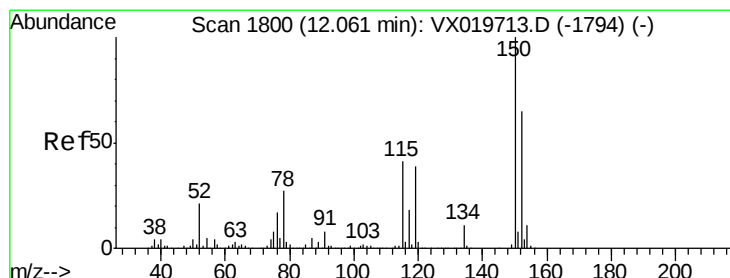
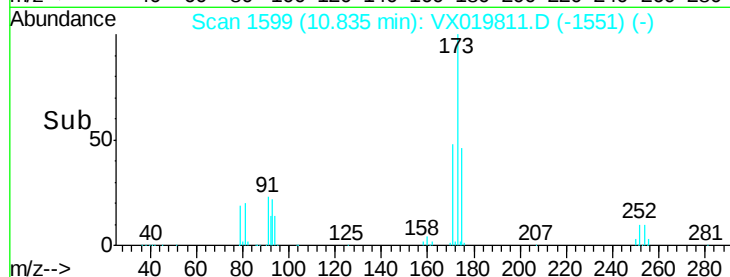
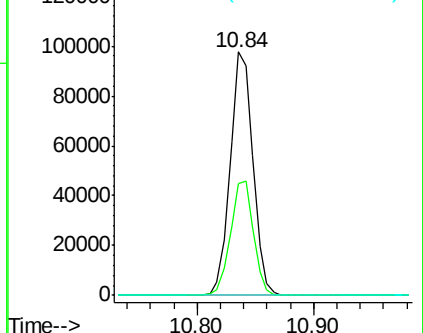
12/11/2020 12:45:50 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

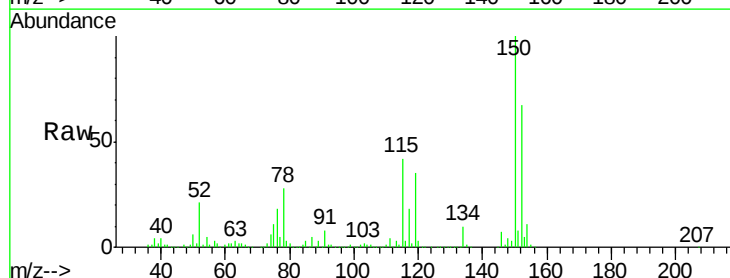
Tgt Ion:152 Resp: 221460

Ion Ratio Lower Upper

152 100

115 82.9 41.1 123.3

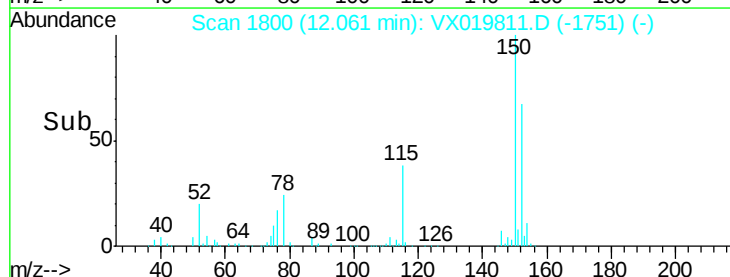
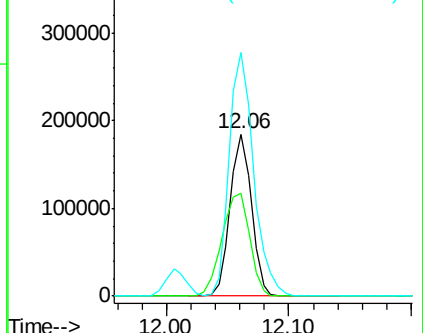
150 173.3 0.0 349.0

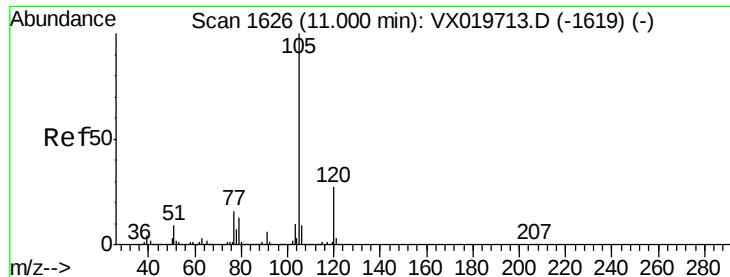


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.254 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 790608

Ion Ratio Lower Upper

105 100

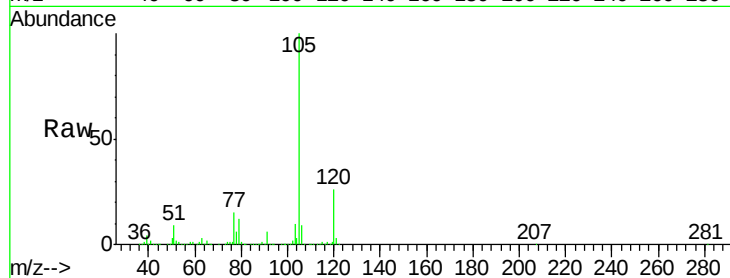
120 26.4 13.2 39.6

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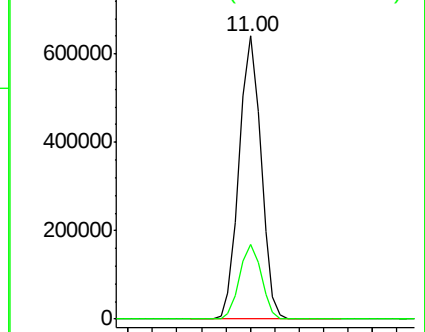
MMDadoda

12/11/2020 12:45:50 PM

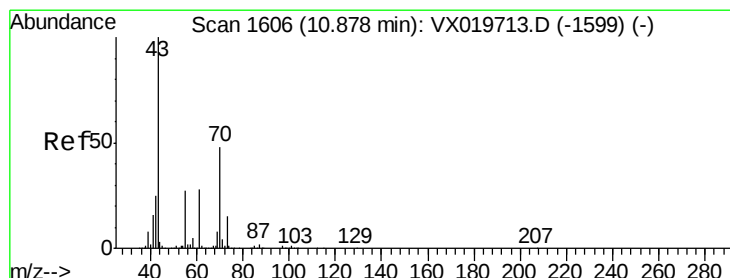
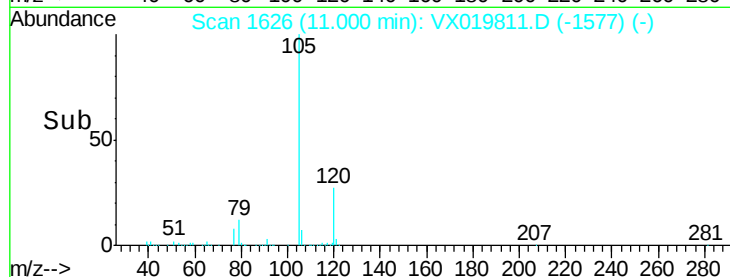


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 49.629 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Tgt Ion: 43 Resp: 300913

Ion Ratio Lower Upper

43 100

70 49.3 39.0 58.6

55 27.3 21.5 32.3

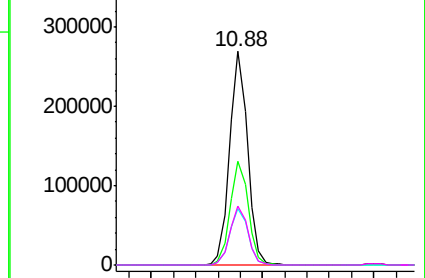
61 27.6 22.1 33.1

Abundance Ion 43.00 (42.70 to 43.70): VX0

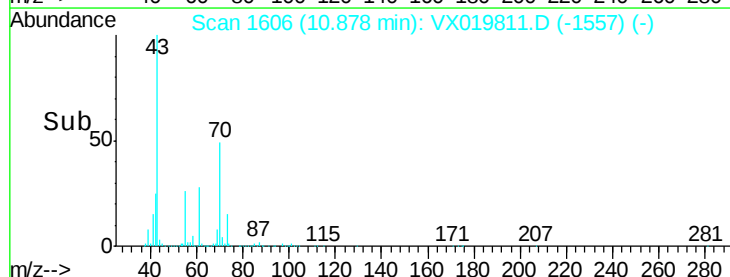
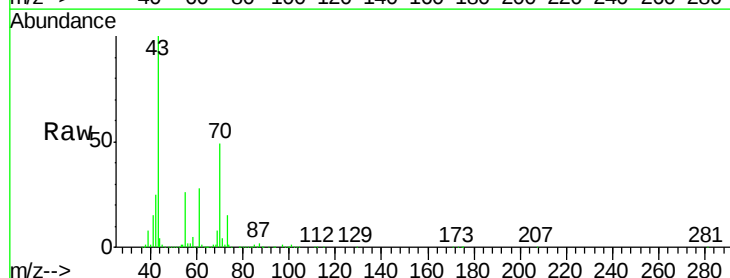
Ion 70.00 (69.70 to 70.70): VX0

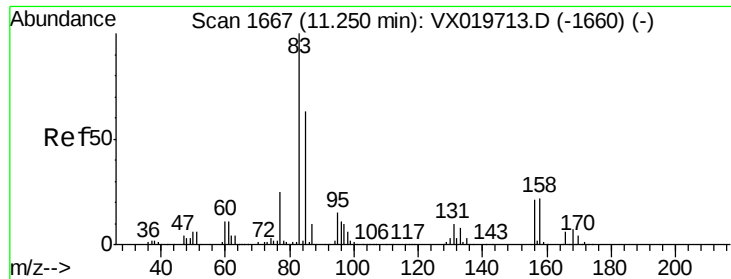
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.756 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

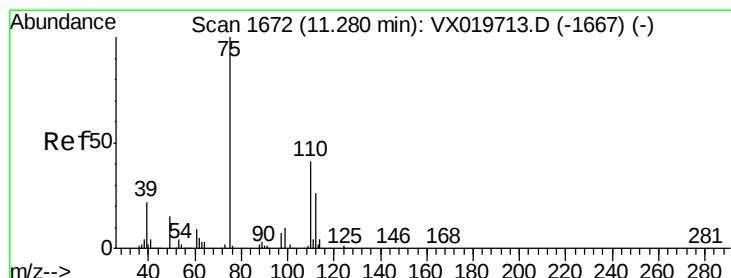
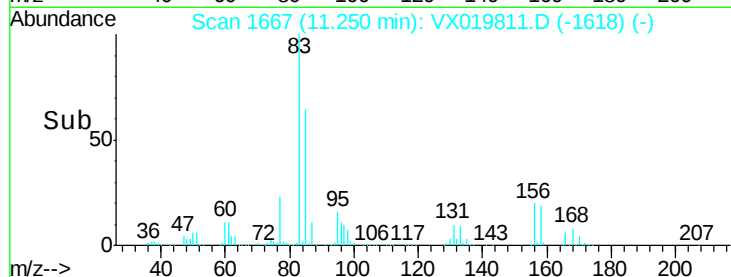
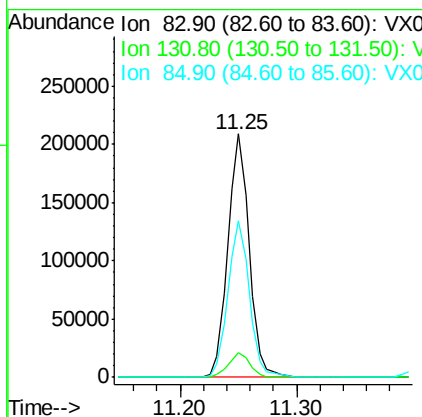
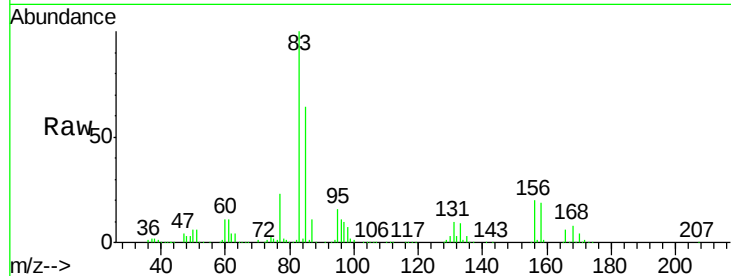
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	265413
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.2
85	65.0	31.8	95.4

Manual Integrations
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12/11/2020 12:45:50 PM



#76

1,2,3-Trichloropropane

Concen: 51.049 ug/l m

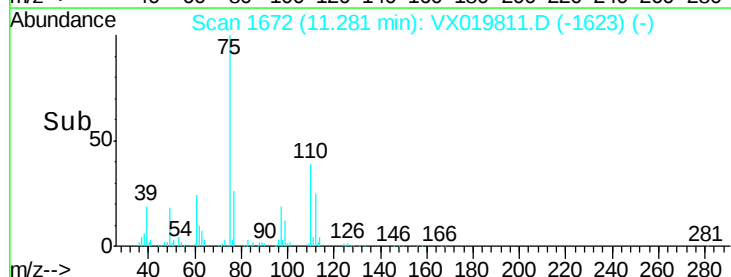
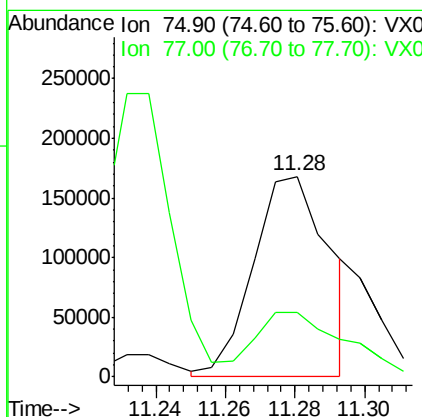
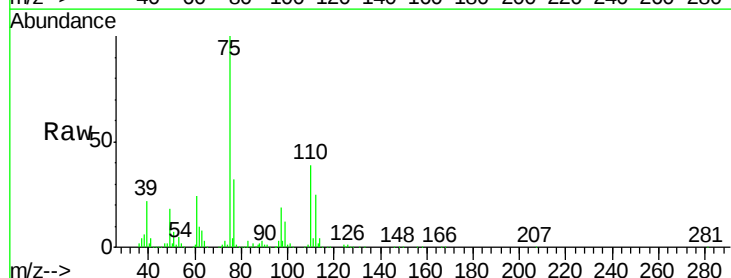
RT: 11.28 min Scan# 1672

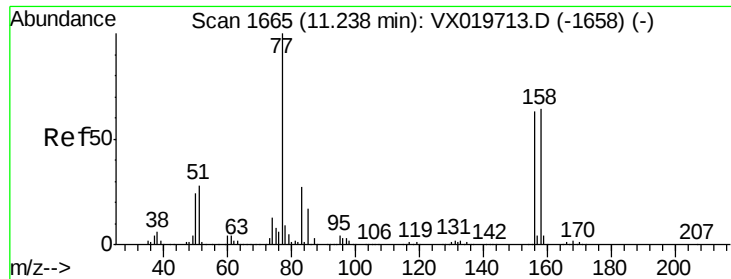
Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Tgt Ion:	75	Resp:	253558
Ion Ratio	Lower	Upper	
75	100		
77	39.4	19.1	57.5





#77

Bromobenzene

Concen: 50.314 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 194815

Ion Ratio Lower Upper

156 100

77 162.3 82.8 248.6

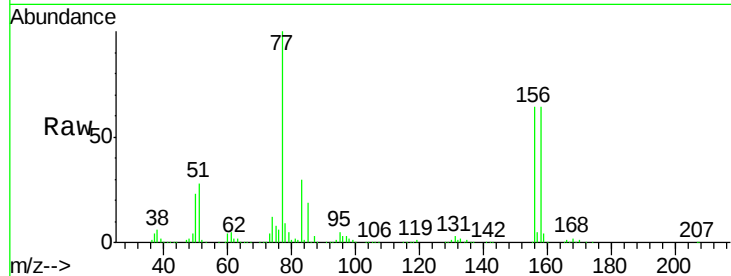
158 97.5 49.1 147.4

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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

300000

250000

200000

150000

100000

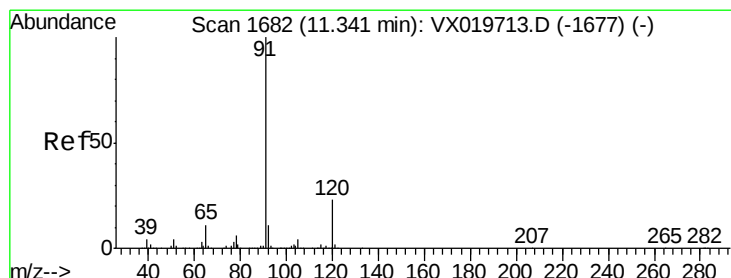
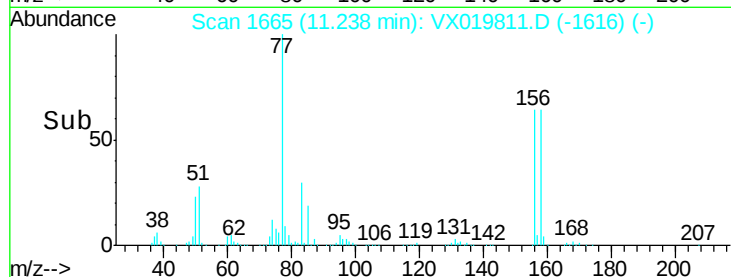
50000

0

11.20

11.30

Time-->



#78

n-propylbenzene

Concen: 53.176 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019811.D

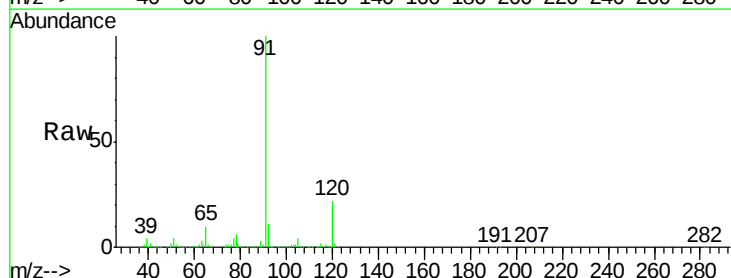
Acq: 10 Dec 2020 09:20

Tgt Ion: 91 Resp: 918932

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

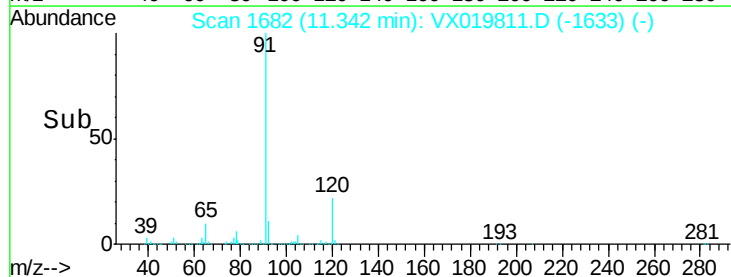
200000

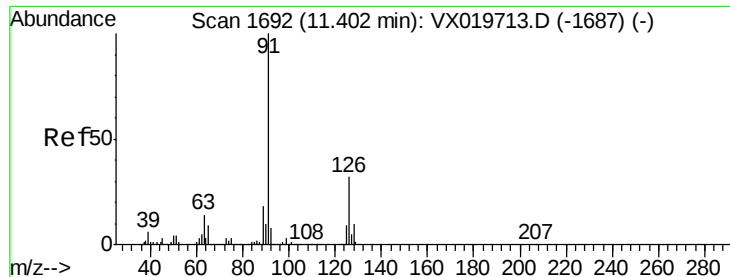
0

11.30

11.35

Time-->





#79

2-Chlorotoluene

Concen: 51.606 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 549180

Ion Ratio Lower Upper

91 100

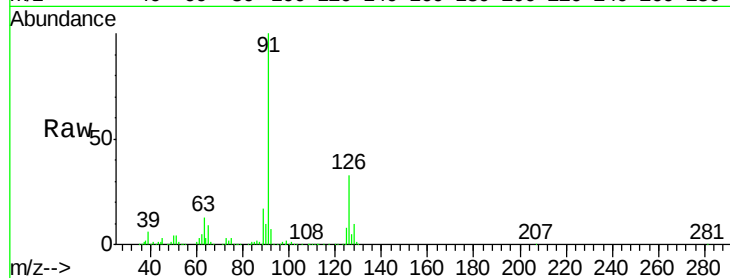
126 33.4 16.6 49.8

Manual Integrations

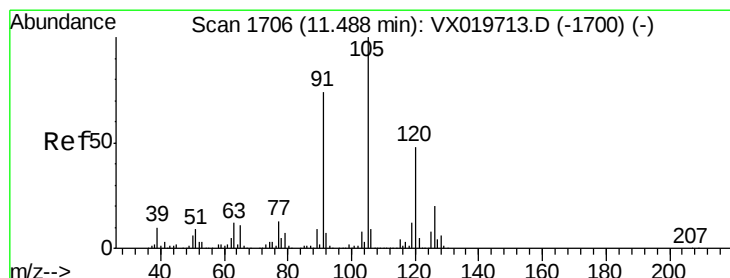
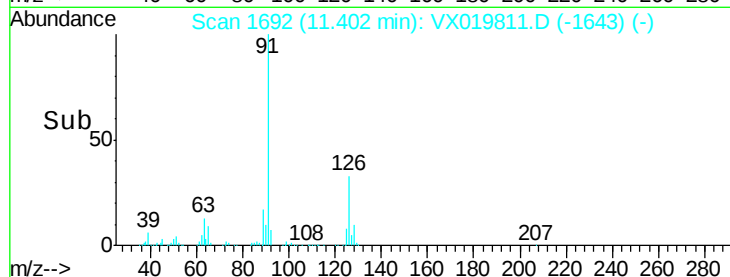
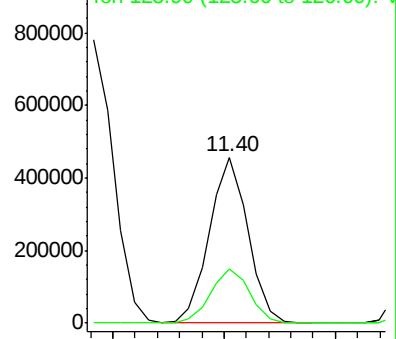
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Abundance Ion 91.00 (90.70 to 91.70): VX019713.D (-1687) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.511 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019811.D

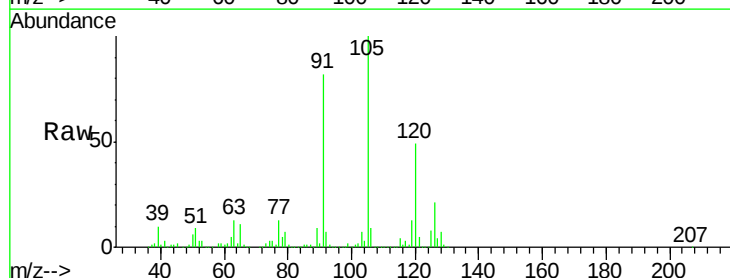
Acq: 10 Dec 2020 09:20

Tgt Ion: 105 Resp: 670531

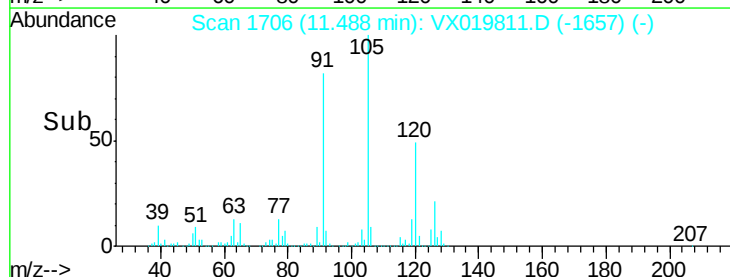
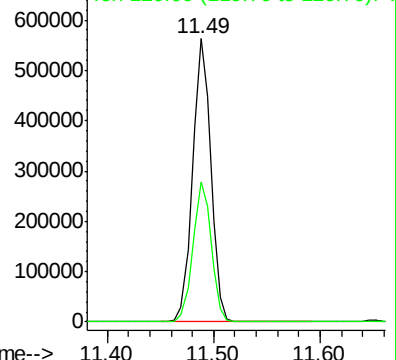
Ion Ratio Lower Upper

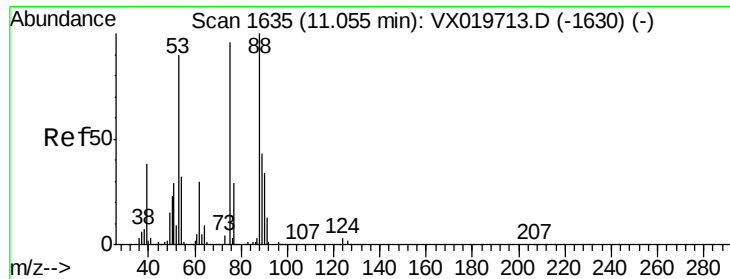
105 100

120 49.7 23.8 71.5



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





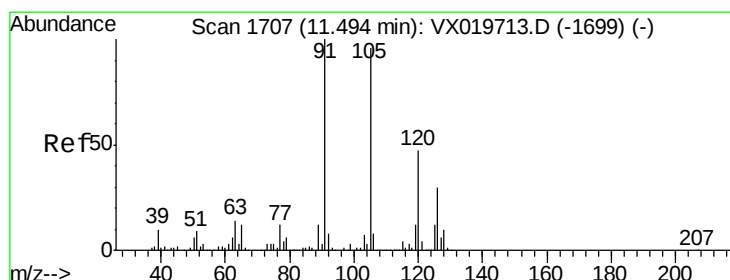
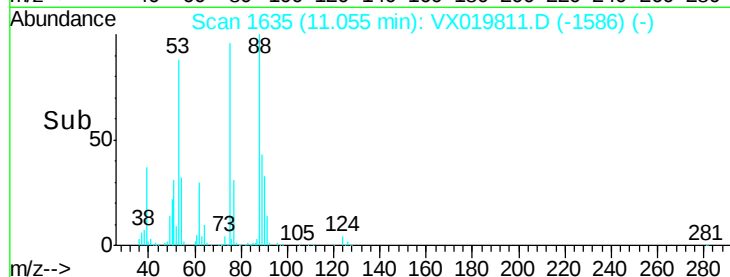
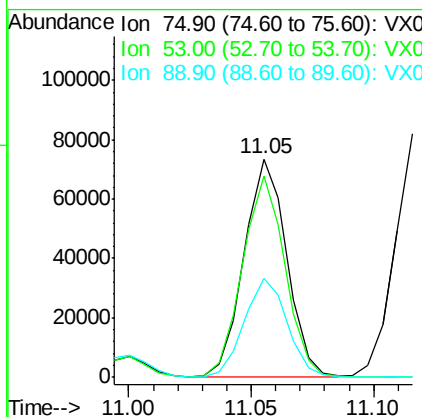
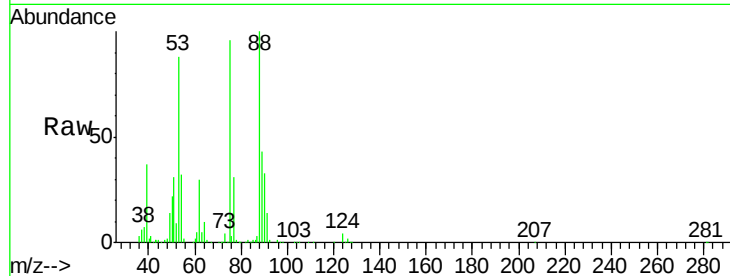
#81
trans-1,4-Dichloro-2-butene
Concen: 51.575 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	74.5	111.7
89	46.0	37.9	56.9

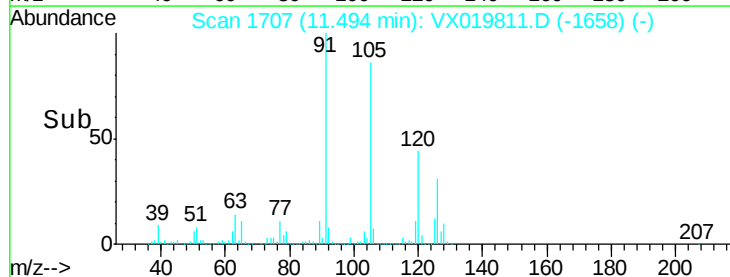
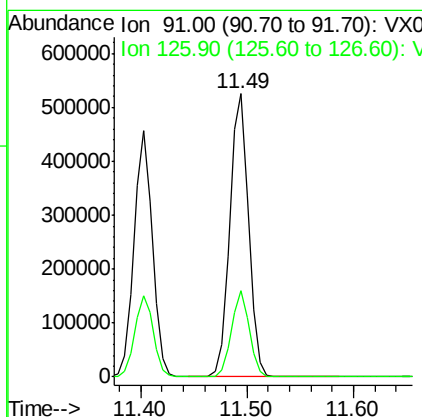
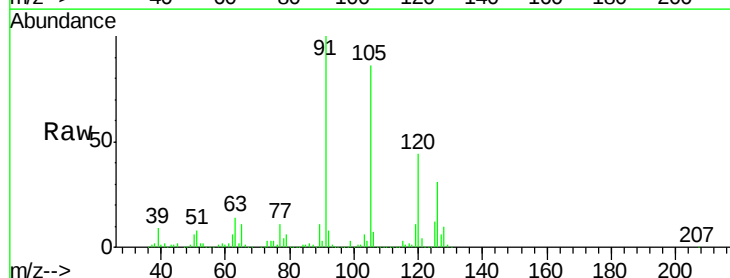
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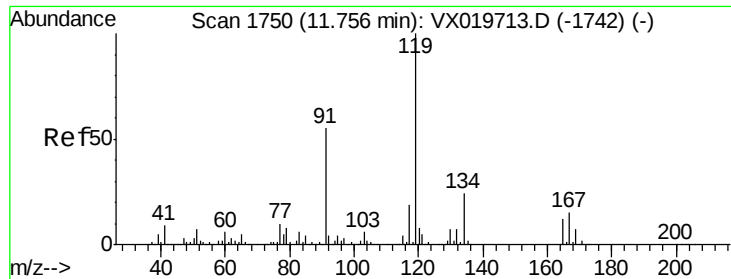
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.123 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.9	44.5





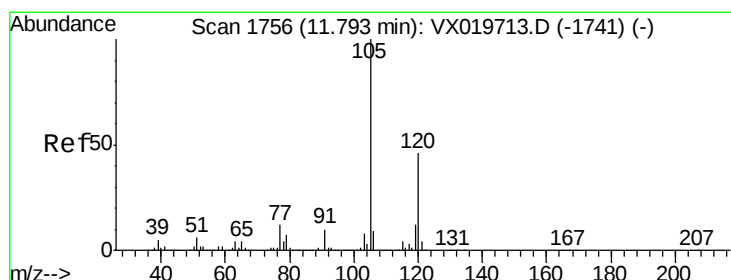
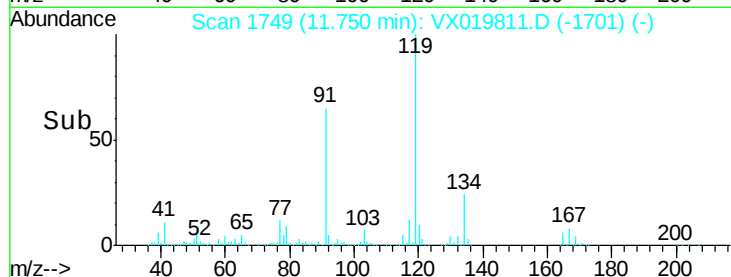
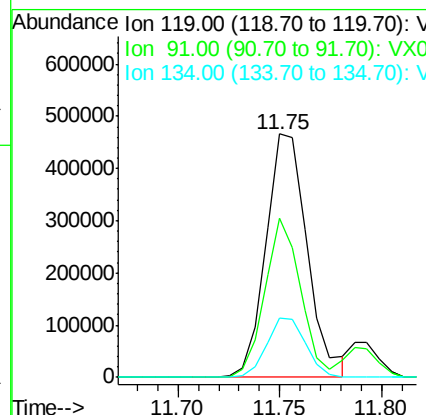
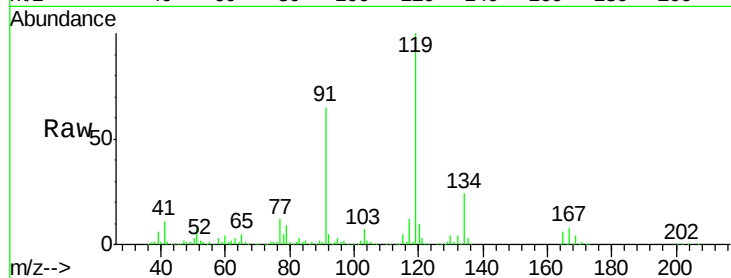
#83
tert-Butylbenzene
Concen: 52.603 ug/l
RT: 11.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	658777		
91	56.7		27.9	83.7
134	23.1		11.3	33.9

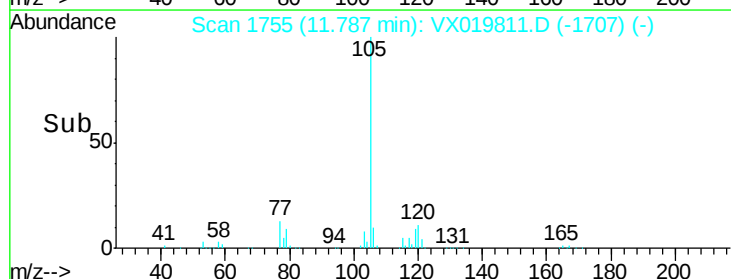
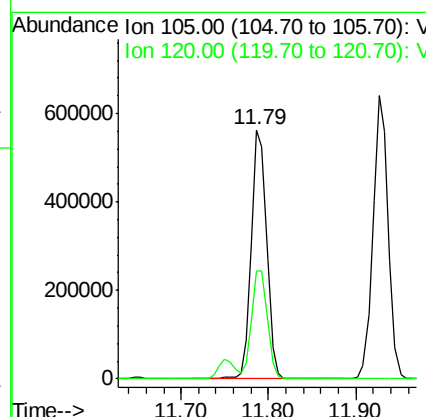
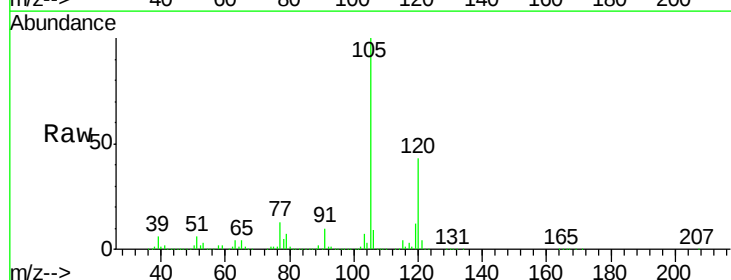
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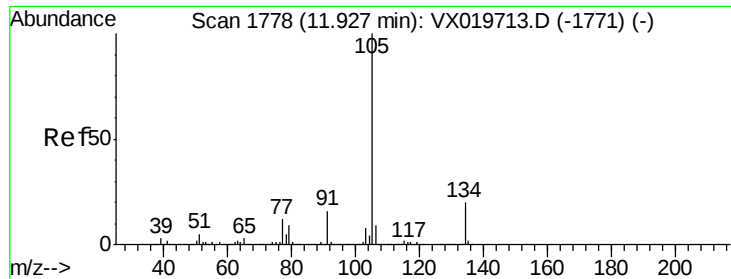
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.104 ug/l
RT: 11.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	683063		
120	44.3		22.4	67.3





#85

sec-Butylbenzene

Concen: 54.502 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 779288

Ion Ratio Lower Upper

105 100

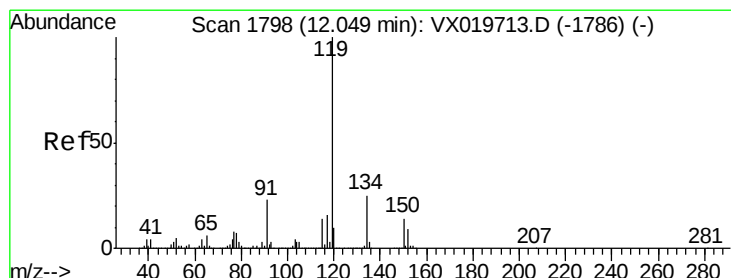
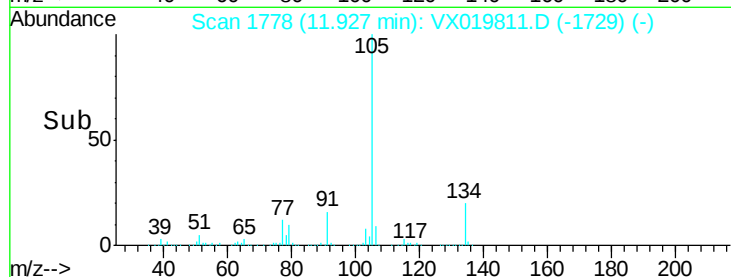
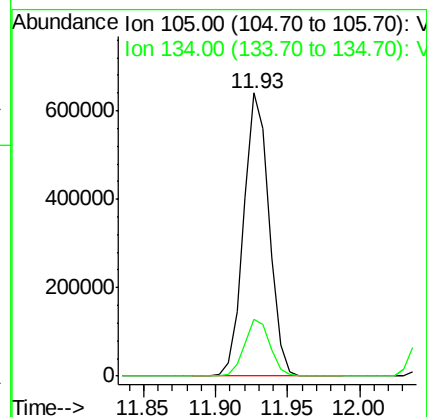
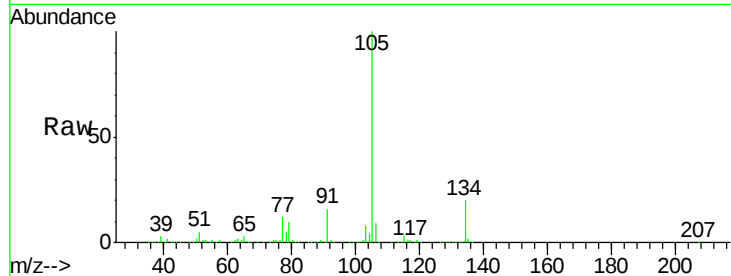
134 20.0 10.0 29.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.726 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019811.D

Acq: 10 Dec 2020 09:20

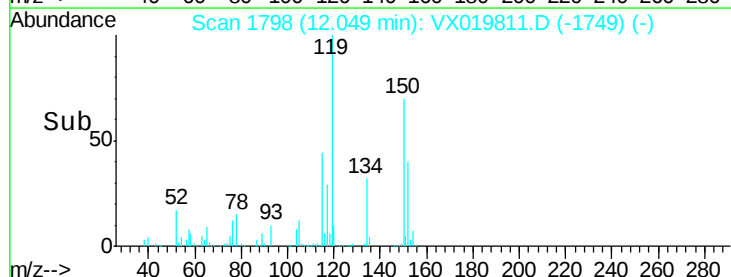
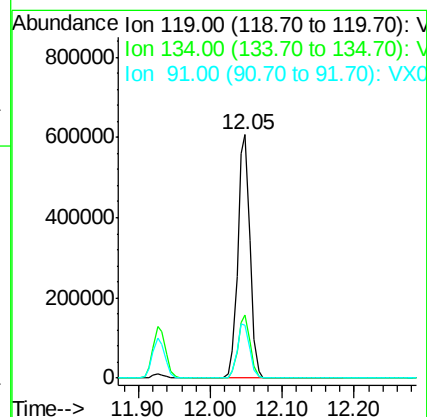
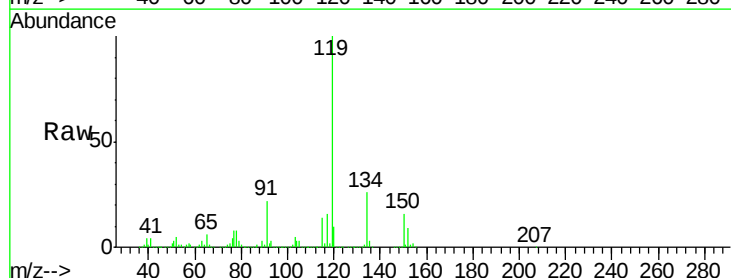
Tgt Ion:119 Resp: 717142

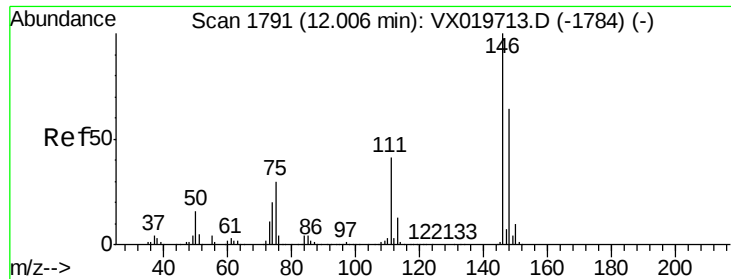
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.1 11.7 35.0





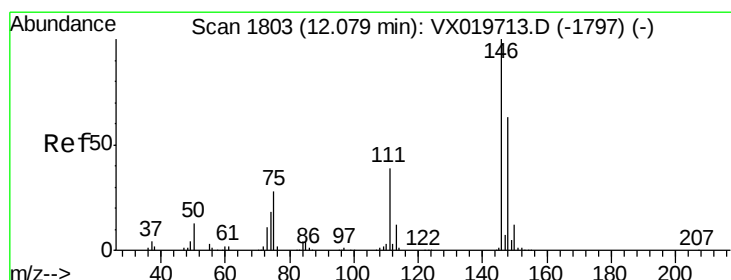
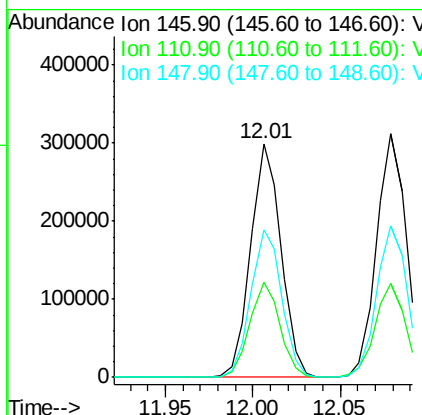
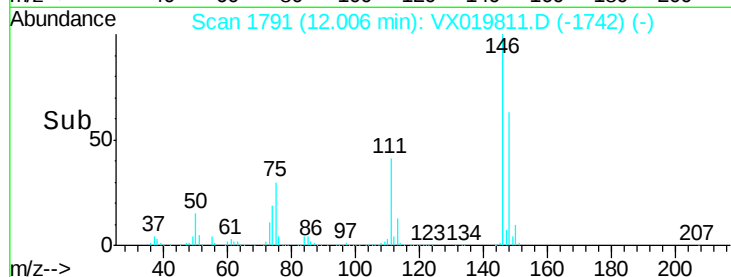
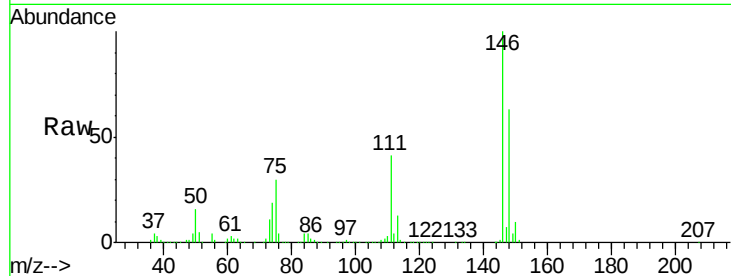
#87
 1,3-Dichlorobenzene
 Concen: 50.843 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	361312		
111	40.5	20.2	60.5	
148	64.5	31.9	95.7	

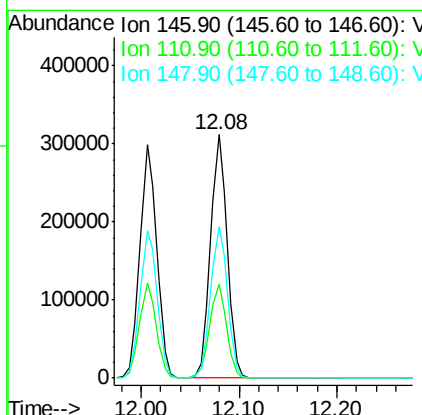
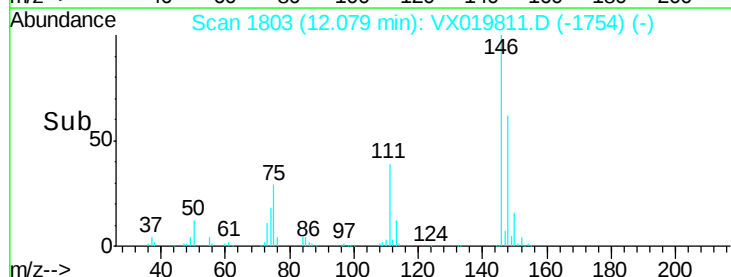
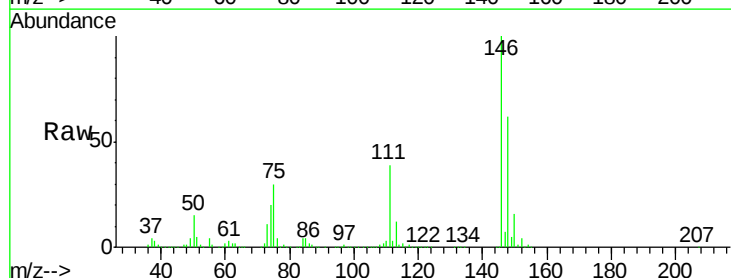
Manual Integrations
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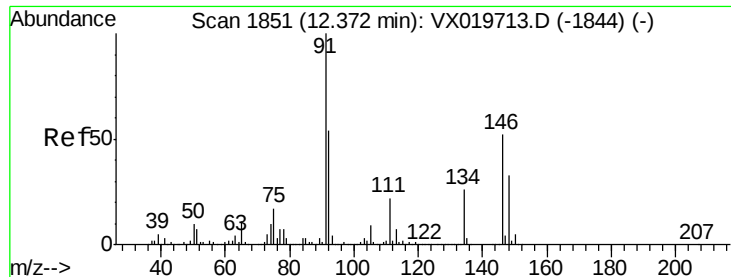
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#88
 1,4-Dichlorobenzene
 Concen: 51.223 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	370753		
111	39.0	19.6	58.8	
148	63.0	31.6	95.0	





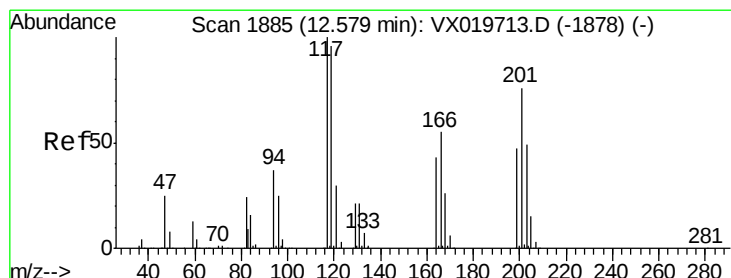
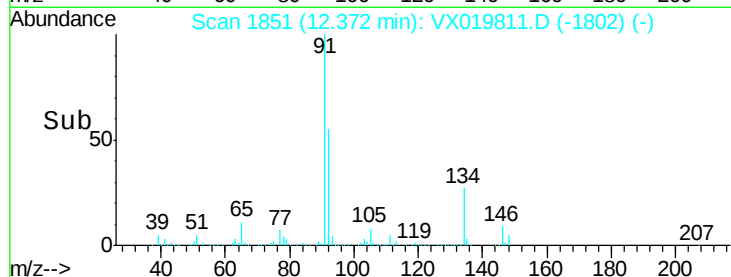
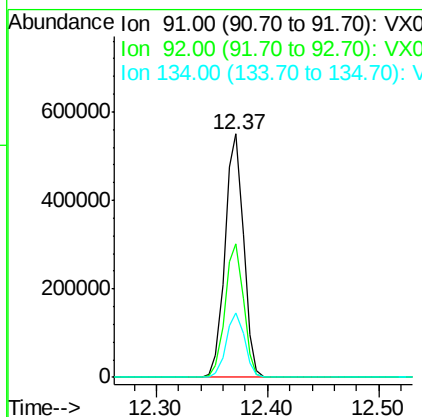
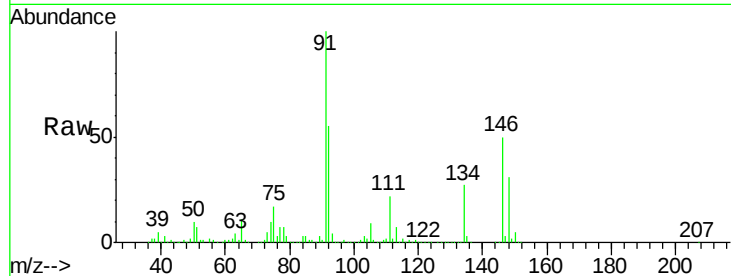
#89
n-Butylbenzene
Concen: 54.376 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.4	82.0
134	26.4	13.2	39.5

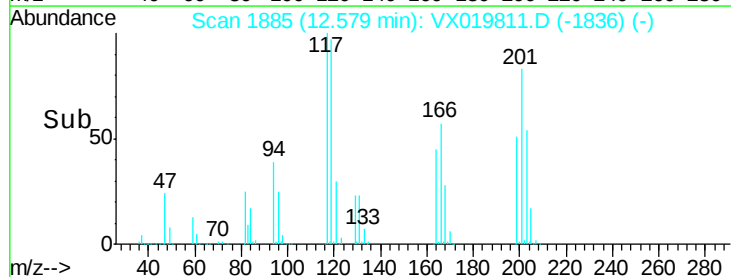
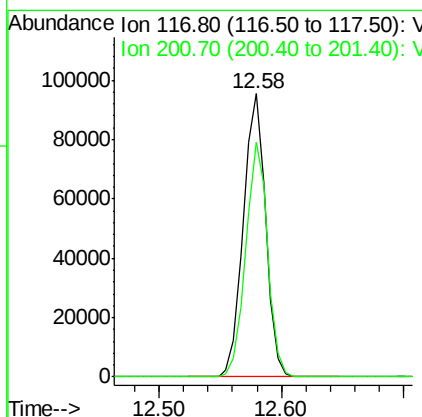
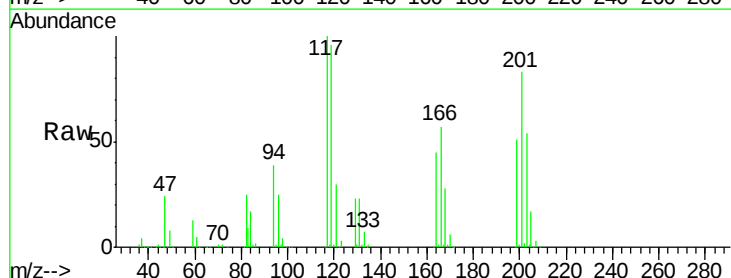
Manual Integrations
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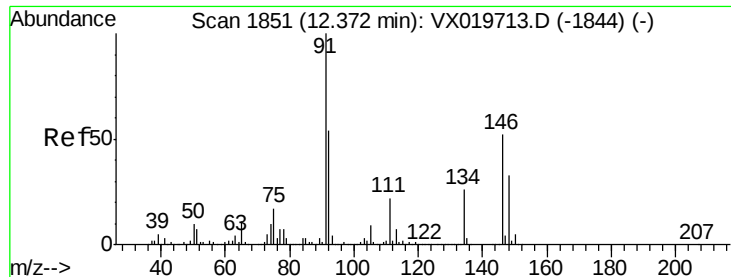
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12/11/2020 12:45:50 PM



#90
Hexachloroethane
Concen: 53.124 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	40.4	121.2





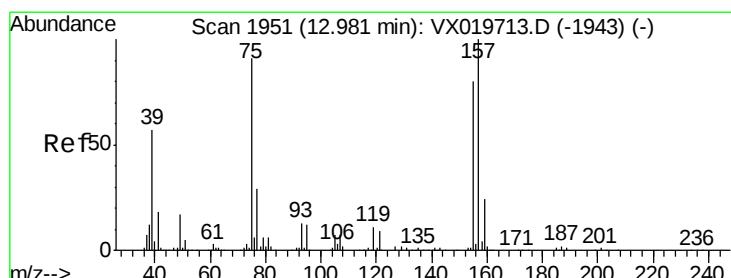
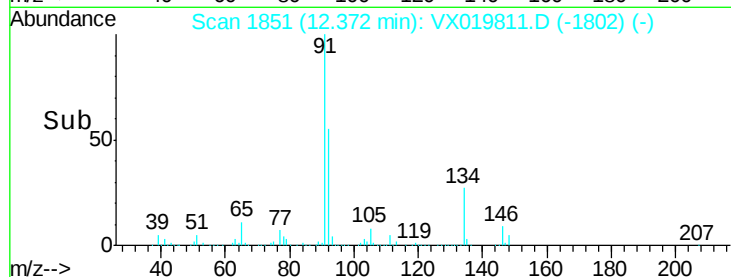
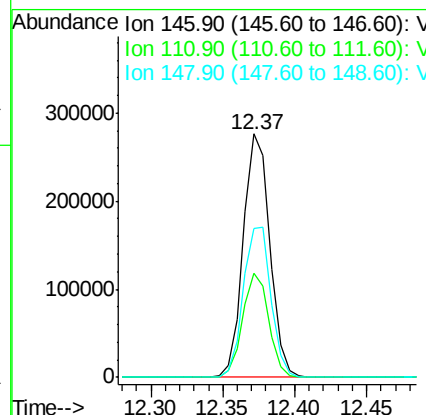
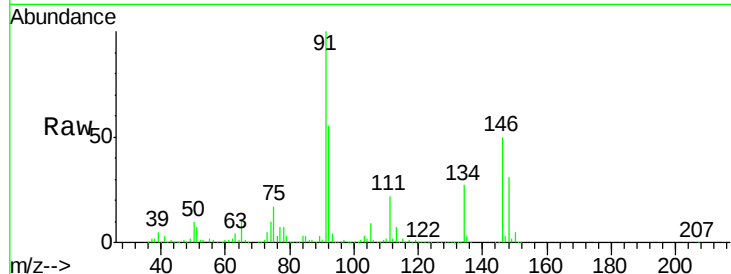
#91
 1,2-Dichlorobenzene
 Concen: 51.147 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	354321		
111	42.1	20.8	62.2	
148	64.0	31.9	95.5	

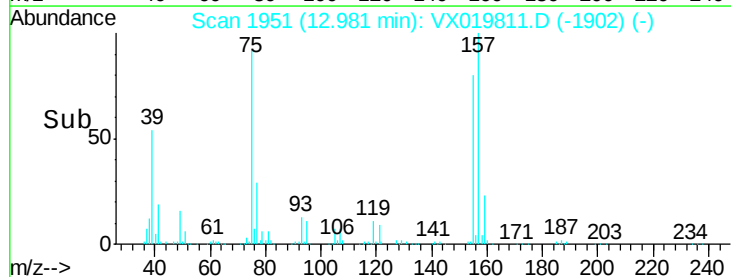
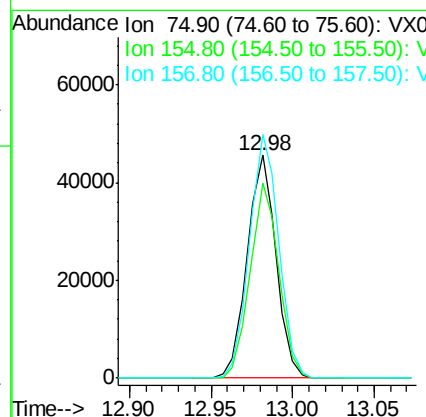
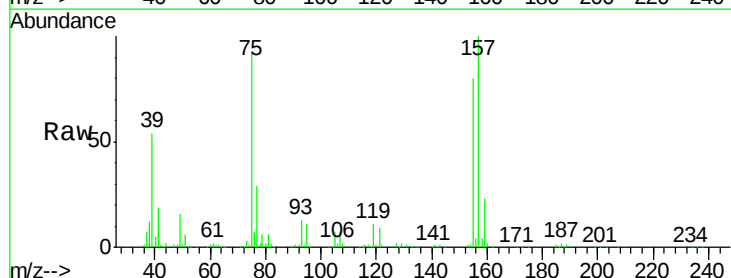
Manual Integrations
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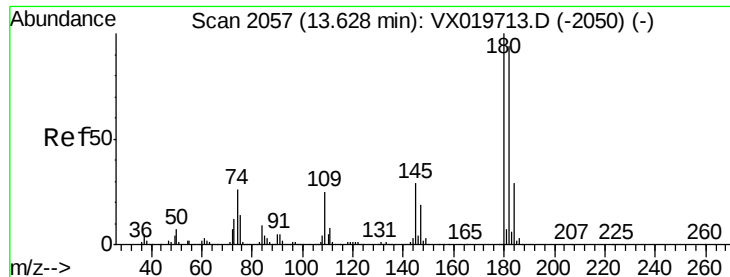
MMDadoda
 12/11/2020 12:45:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.987 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56175		
155	87.3	45.3	135.9	
157	111.8	57.7	173.1	





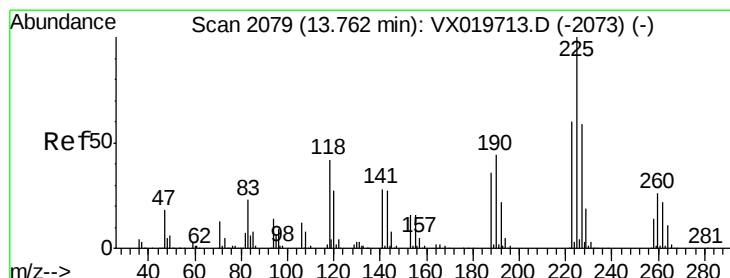
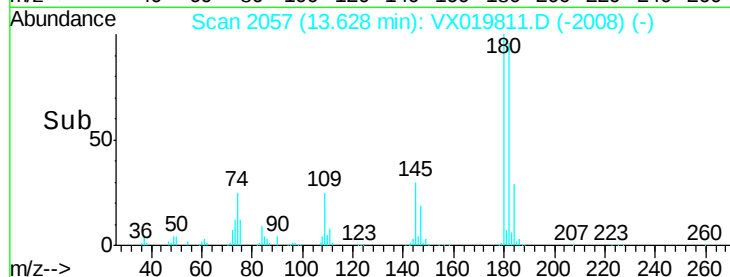
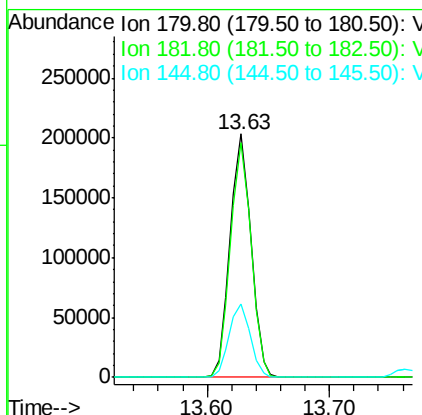
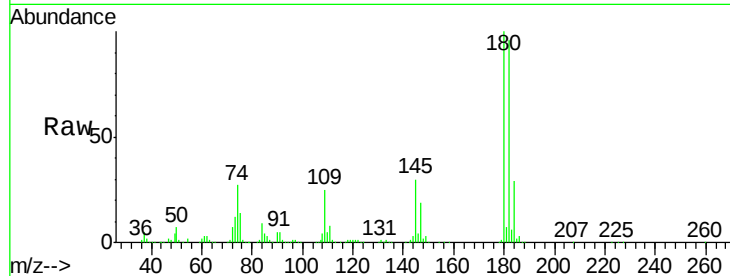
#93
 1,2,4-Trichlorobenzene
 Concen: 53.222 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240005		
182	95.3	47.7	143.1	
145	30.6	15.0	45.0	

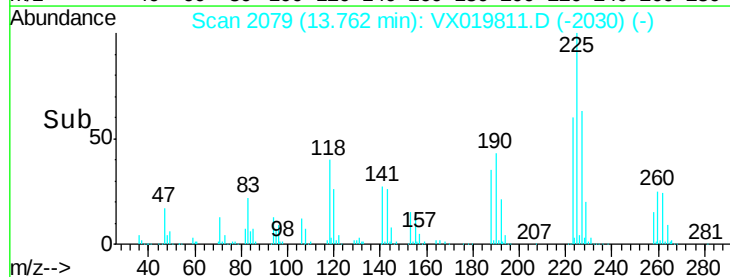
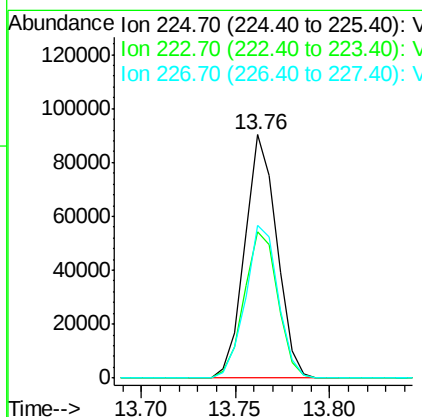
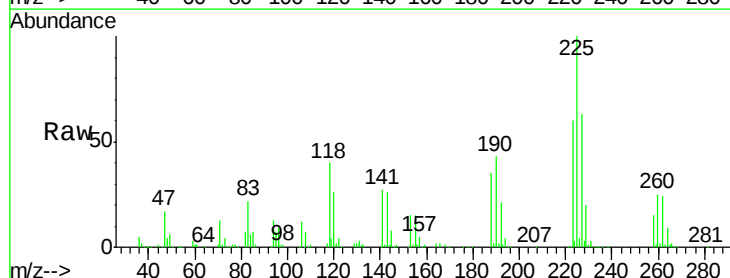
Manual Integrations
 APPROVED

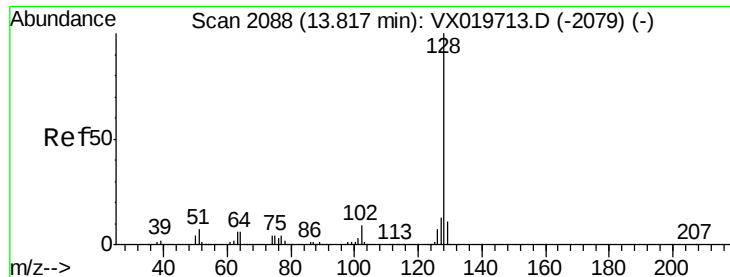
MMDadoda
 12/11/2020 12:45:50 PM



#94
 Hexachlorobutadiene
 Concen: 52.757 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX019811.D
 Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106334		
223	63.1	31.1	93.2	
227	63.9	31.6	95.0	





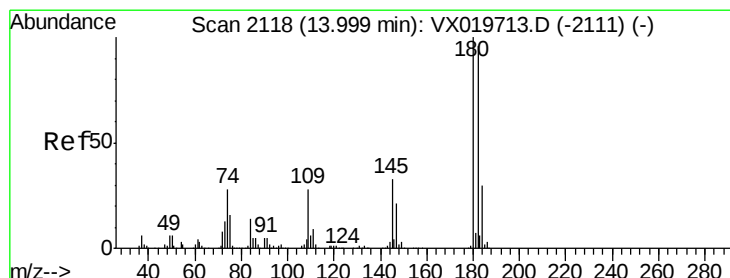
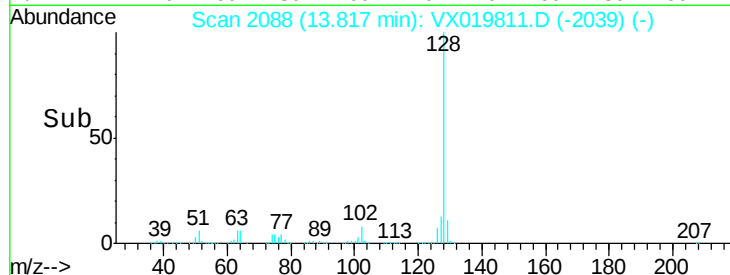
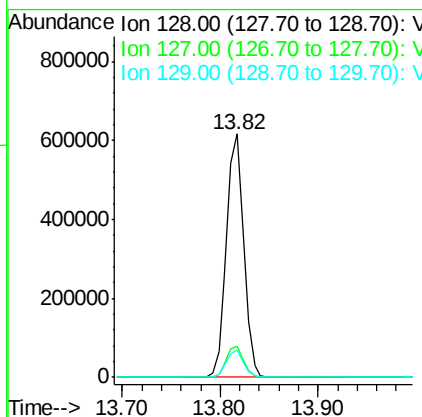
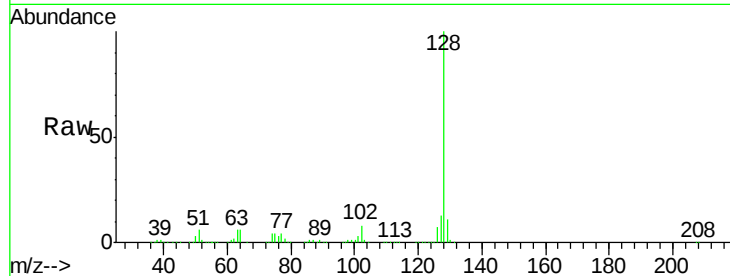
#95
Naphthalene
Concen: 52.016 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/11/2020 12:45:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.533 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019811.D
Acq: 10 Dec 2020 09:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.6	142.9
145	32.7	16.1	48.3

