

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120120\
 Data File : VX019686.D
 Acq On : 01 Dec 2020 10:20
 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

12/2/2020 12:43:58 PM

Quant Time: Dec 02 02:16:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	286190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	459377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	403345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	177748	47.90	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.80%
35) Dibromofluoromethane	5.46	113	146261	50.72	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.44%
50) Toluene-d8	8.70	98	542671	48.43	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.86%
62) 4-Bromofluorobenzene	11.12	95	200311	49.69	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.38%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	130277	46.811	ug/l	98
3) Chloromethane	1.31	50	139508	43.683	ug/l	100
4) Vinyl Chloride	1.39	62	163007	47.415	ug/l	99
5) Bromomethane	1.62	94	50454	38.747	ug/l	100
6) Chloroethane	1.68	64	34650	40.575	ug/l	97
7) Trichlorofluoromethane	1.89	101	229403	46.233	ug/l	97
8) Diethyl Ether	2.17	74	97101	48.863	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.35	101	134392	48.548	ug/l	98
10) Methyl Iodide	2.48	142	182664	50.228	ug/l	100
11) Tert butyl alcohol	3.05	59	185761	264.522	ug/l	100
12) 1,1-Dichloroethene	2.34	96	132983	46.804	ug/l	99
13) Acrolein	2.28	56	87669	185.720	ug/l	100
14) Allyl chloride	2.70	41	221038	49.660	ug/l	99
15) Acrylonitrile	3.12	53	430810	260.127	ug/l	100
16) Acetone	2.43	43	418701	291.779	ug/l	100
17) Carbon Disulfide	2.54	76	337523	44.218	ug/l	99
18) Methyl Acetate	2.75	43	187950	53.375	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	508736	51.872	ug/l	99
20) Methylene Chloride	2.82	84	168457	46.968	ug/l	99
21) trans-1,2-Dichloroethene	3.13	96	156170	48.513	ug/l	96
22) Diisopropyl ether	3.82	45	465429	50.547	ug/l	97
23) Vinyl Acetate	3.78	43	2019178	261.434	ug/l	100
24) 1,1-Dichloroethane	3.66	63	282113	50.091	ug/l	100
25) 2-Butanone	4.64	43	585767	271.738	ug/l	100
26) 2,2-Dichloropropane	4.54	77	245677	49.975	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	183239	49.554	ug/l	98
28) Bromochloromethane	4.97	49	122144	45.361	ug/l	99
29) Tetrahydrofuran	5.09	42	346616	252.012	ug/l	99
30) Chloroform	5.17	83	294515	50.010	ug/l	100
31) Cyclohexane	5.54	56	235477	48.791	ug/l	96
32) 1,1,1-Trichloroethane	5.45	97	254599	50.328	ug/l	100
36) 1,1-Dichloropropene	5.76	75	213337	49.536	ug/l	99
37) Ethyl Acetate	4.79	43	214816	53.132	ug/l	99
38) Carbon Tetrachloride	5.74	117	214220	51.390	ug/l	98

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12/2/2020 12:43:58 PM

Quant Time: Dec 02 02:16:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	252055	50.265	ug/l	98
40) Benzene	6.10	78	661069	49.959	ug/l	99
41) Methacrylonitrile	5.01	41	113862	51.070	ug/l	98
42) 1,2-Dichloroethane	6.15	62	230182	50.752	ug/l	100
43) Isopropyl Acetate	6.41	43	347685	51.157	ug/l	100
44) Trichloroethene	7.18	130	172005	49.626	ug/l	95
45) 1,2-Dichloropropane	7.48	63	167434	51.399	ug/l	99
46) Dibromomethane	7.63	93	113659	50.979	ug/l	99
47) Bromodichloromethane	7.87	83	226712	52.403	ug/l	99
48) Methyl methacrylate	7.74	41	169390	53.218	ug/l	100
49) 1,4-Dioxane	7.72	88	78304	1083.498	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1043148	263.209	ug/l	100
52) Toluene	8.76	92	407942	50.395	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	245030	52.442	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	275426	53.118	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	165469	50.192	ug/l	96
56) Ethyl methacrylate	9.16	69	247250	53.002	ug/l	99
57) 1,3-Dichloropropane	9.35	76	280277	50.780	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	660283	241.560	ug/l	99
59) 2-Hexanone	9.48	43	808611	269.019	ug/l	99
60) Dibromochloromethane	9.56	129	172014	53.270	ug/l	98
61) 1,2-Dibromoethane	9.65	107	170887	50.287	ug/l	97
64) Tetrachloroethene	9.32	164	146898	46.333	ug/l	93
65) Chlorobenzene	10.12	112	420004	50.646	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	158013	52.384	ug/l	99
67) Ethyl Benzene	10.23	91	759960	52.311	ug/l	100
68) m/p-Xylenes	10.34	106	569882	105.290	ug/l	99
69) o-Xylene	10.68	106	272829	52.731	ug/l	100
70) Styrene	10.70	104	471866	49.293	ug/l	100
71) Bromoform	10.84	173	124720	48.895	ug/l	98
73) Isopropylbenzene	11.00	105	736873	52.815	ug/l	100
74) N-amyl acetate	10.88	43	289672	55.408	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	261594	52.431	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	234831m	53.354	ug/l	
77) Bromobenzene	11.24	156	184277	51.739	ug/l	99
78) n-propylbenzene	11.34	91	830226	51.871	ug/l	99
79) 2-Chlorotoluene	11.40	91	508902	52.427	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	623885	53.306	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	84141	51.495	ug/l	100
82) 4-Chlorotoluene	11.49	91	594799	52.053	ug/l	100
83) tert-Butylbenzene	11.76	119	609046	53.788	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	628244	53.051	ug/l	99
85) sec-Butylbenzene	11.93	105	709515	52.672	ug/l	100
86) p-Isopropyltoluene	12.05	119	651081	53.235	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	338952	51.819	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	334420	49.635	ug/l	99
89) n-Butylbenzene	12.37	91	576544	52.144	ug/l	100
90) Hexachloroethane	12.58	117	108858	53.192	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	331246	50.421	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	55633	54.656	ug/l	99

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Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

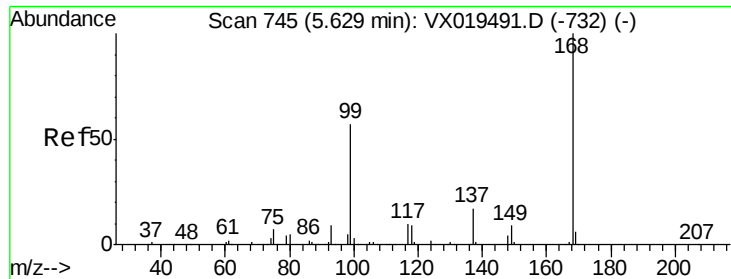
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12/2/2020 12:43:58 PM

Quant Time: Dec 02 02:16:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	219983	52.156	ug/l	99
94) Hexachlorobutadiene	13.77	225	91012	47.368	ug/l	96
95) Naphthalene	13.82	128	740051	49.758	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	218670	51.831	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 286190

Ion Ratio Lower Upper

168 100

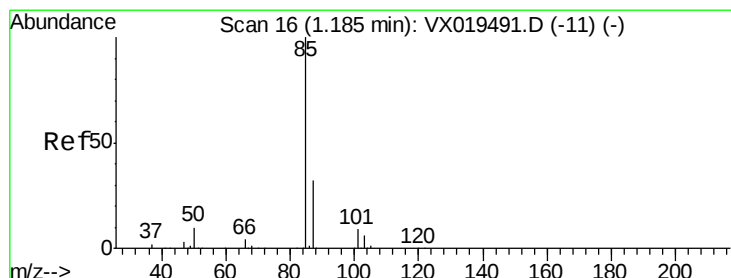
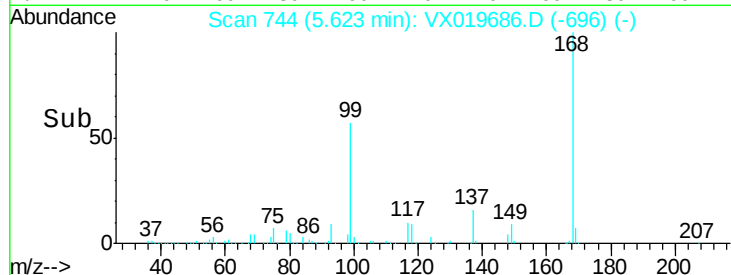
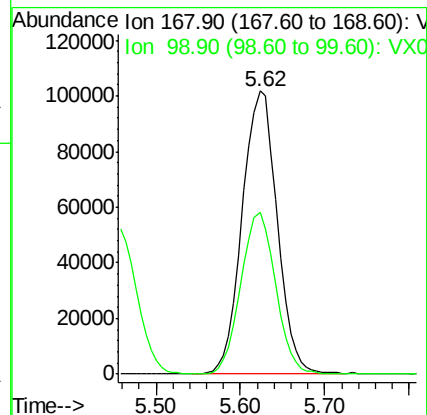
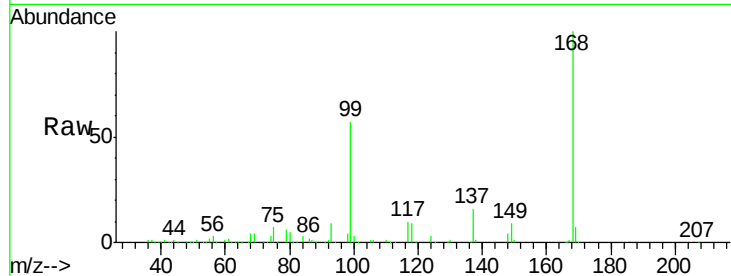
99 56.9 45.8 68.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.811 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019686.D

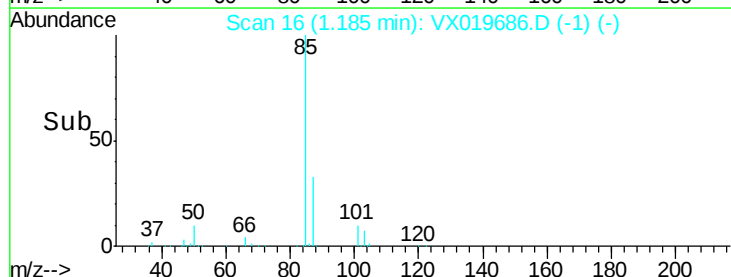
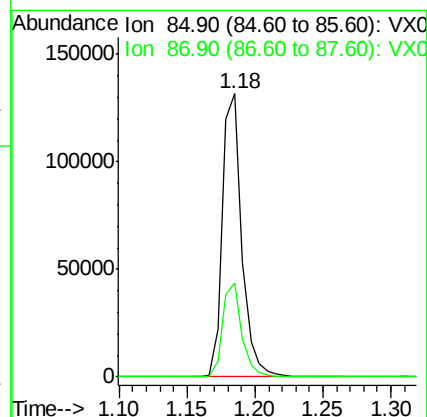
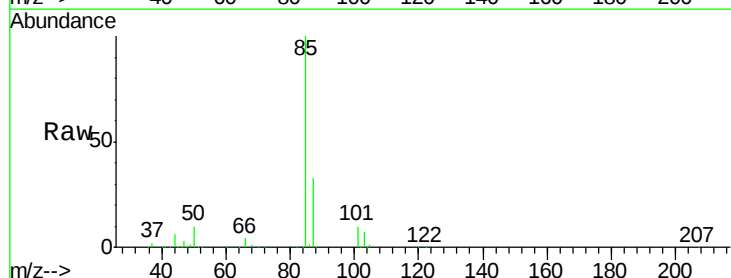
Acq: 01 Dec 2020 10:20

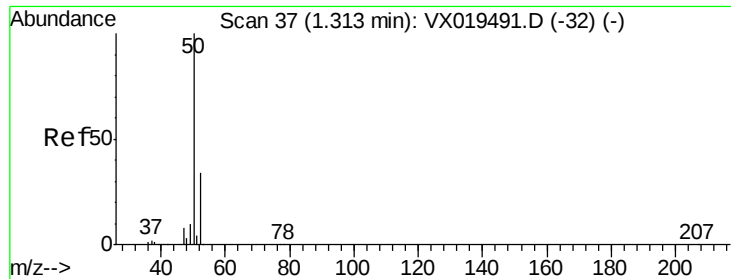
Tgt Ion: 85 Resp: 130277

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9





#3

Chloromethane

Concen: 43.683 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 139508

Ion Ratio Lower Upper

50 100

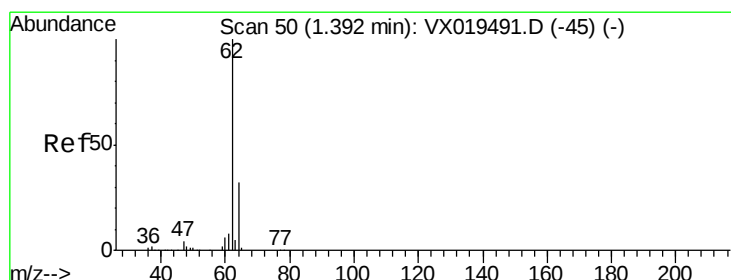
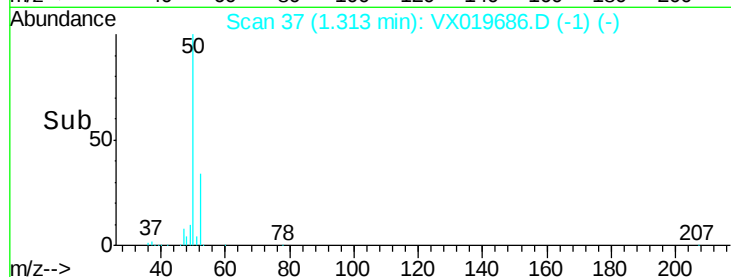
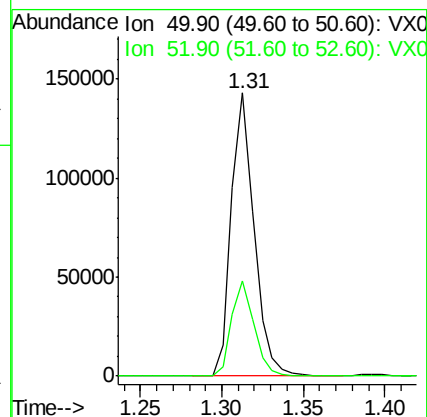
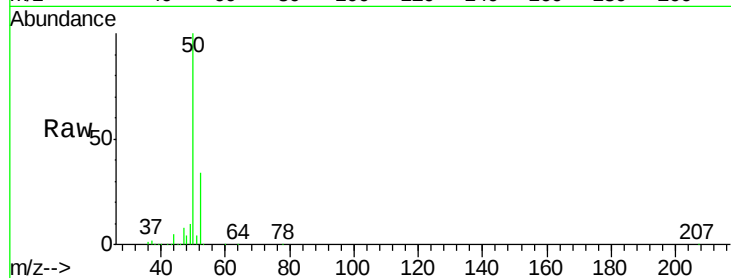
52 33.8 27.0 40.6

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#4

Vinyl Chloride

Concen: 47.415 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019686.D

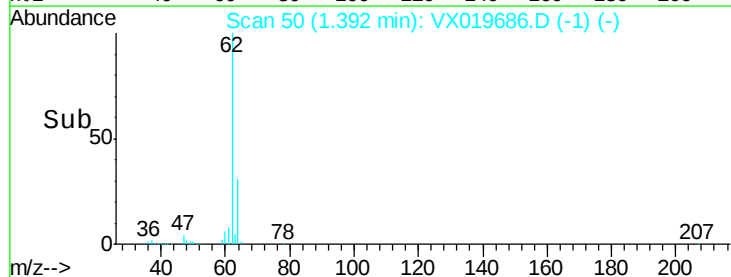
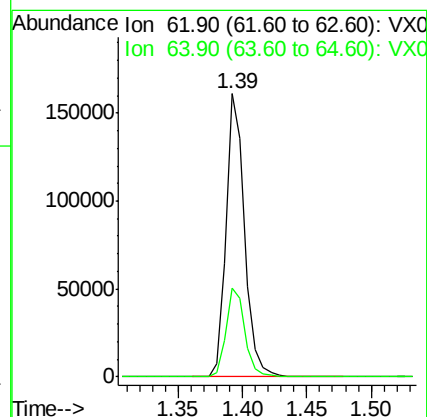
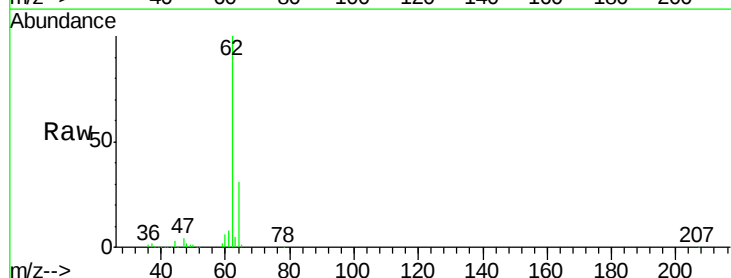
Acq: 01 Dec 2020 10:20

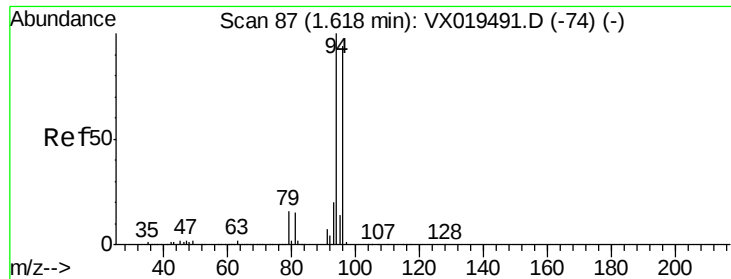
Tgt Ion: 62 Resp: 163007

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 38.747 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 50454

Ion Ratio Lower Upper

94 100

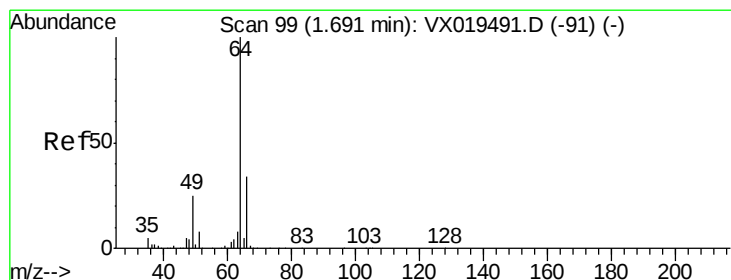
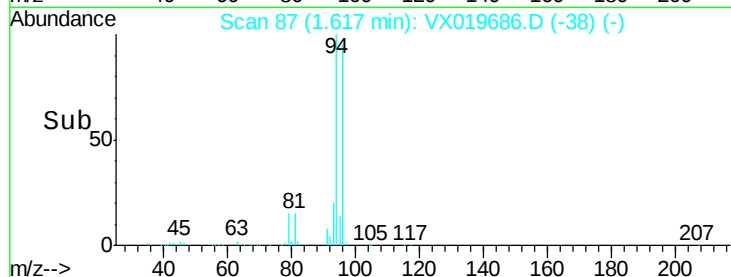
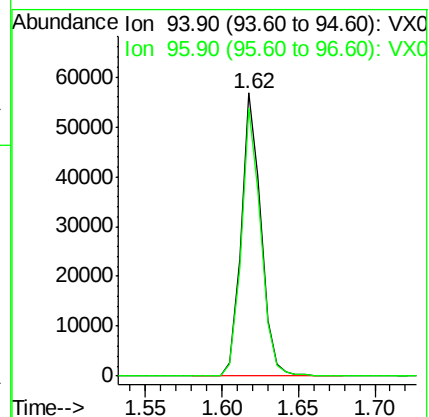
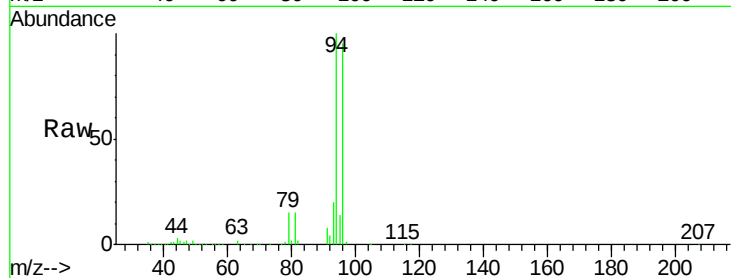
96 94.5 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 40.575 ug/l

RT: 1.68 min Scan# 98

Delta R.T. -0.01 min

Lab File: VX019686.D

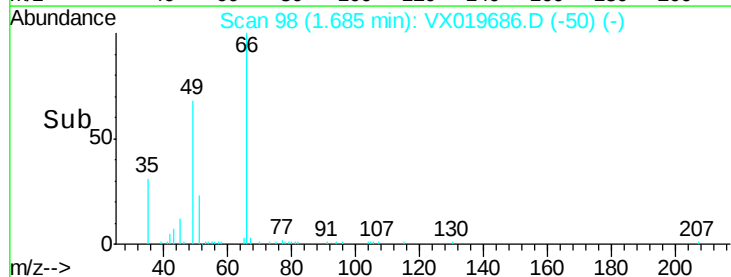
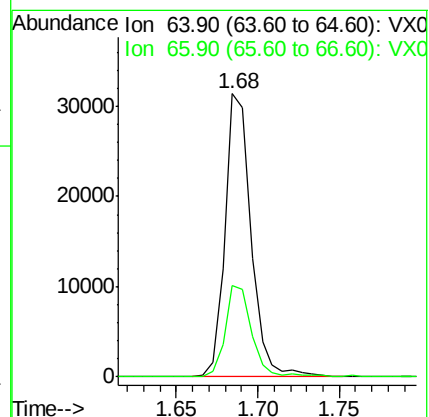
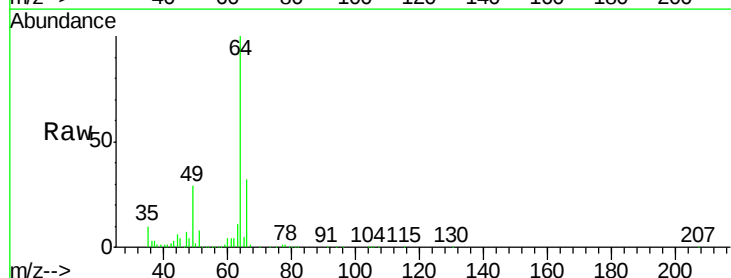
Acq: 01 Dec 2020 10:20

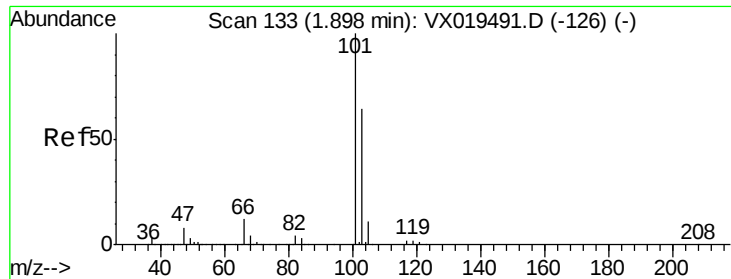
Tgt Ion: 64 Resp: 34650

Ion Ratio Lower Upper

64 100

66 32.2 27.1 40.7





#7

Trichlorofluoromethane
Concen: 46.233 ug/l
RT: 1.89 min Scan# 132
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

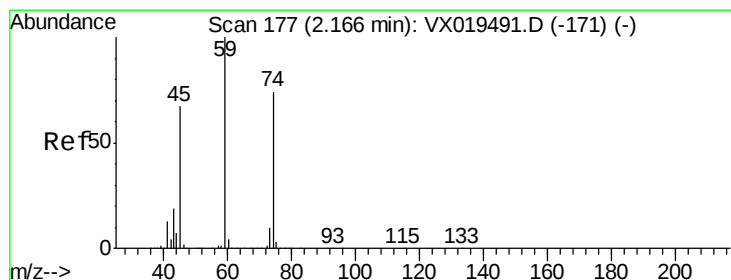
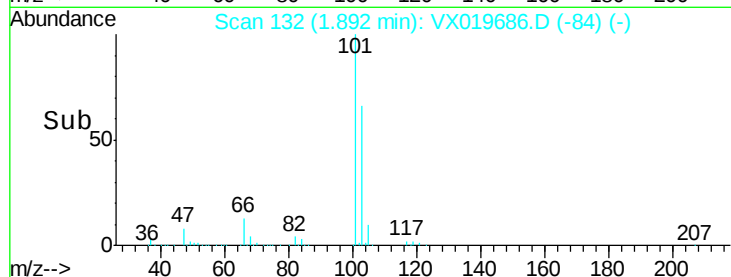
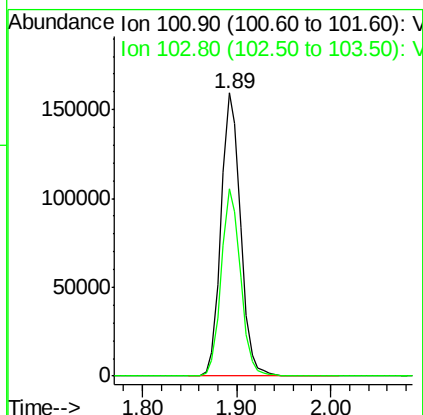
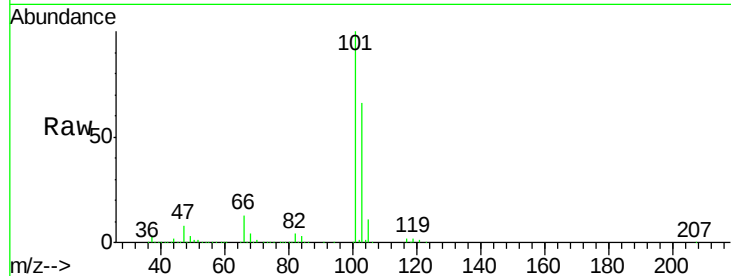
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.9	76.3

Manual Integrations
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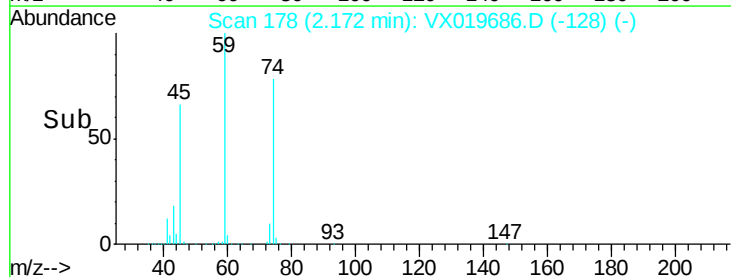
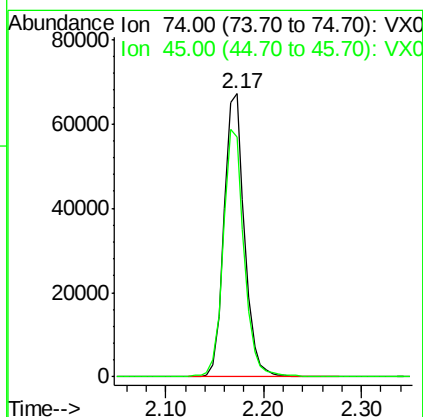
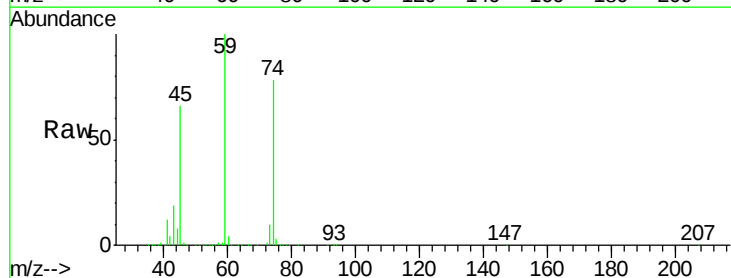
12/2/2020 12:43:58 PM

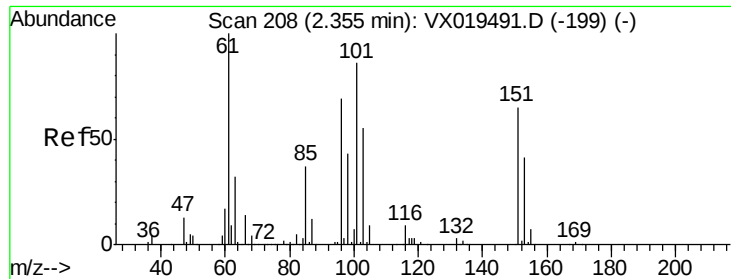


#8

Diethyl Ether
Concen: 48.863 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	44.4	133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.548 ug/l

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

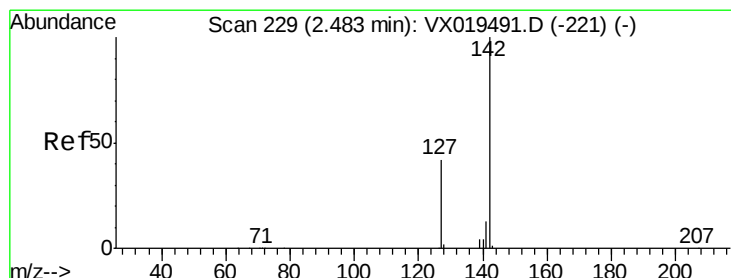
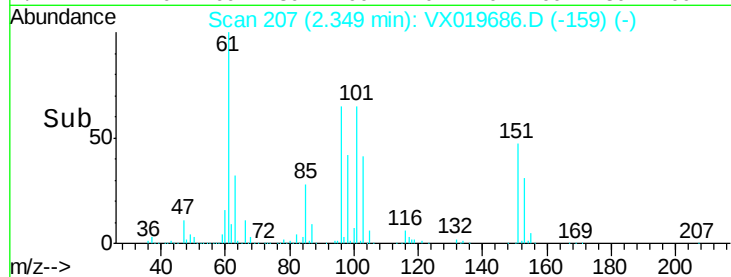
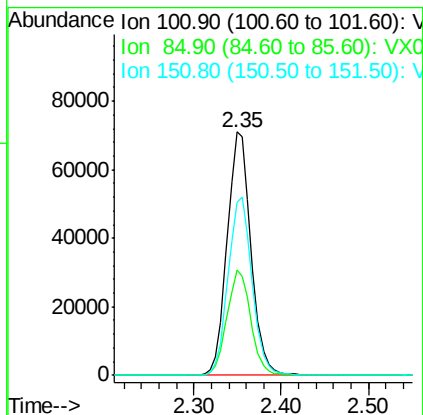
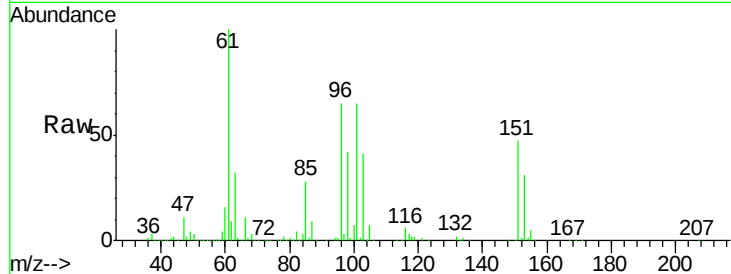
VSTDCCC050

Tot Ion:	101	Resp:	134392
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.9	50.9
151	74.1	60.9	91.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.228 ug/l

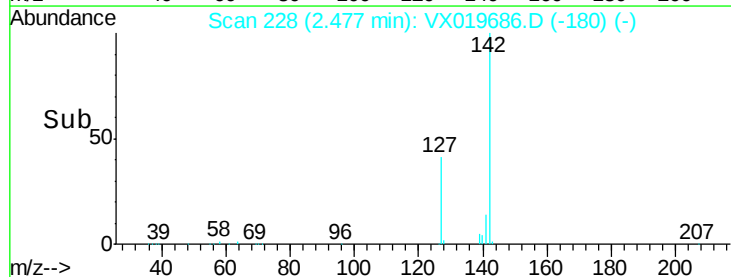
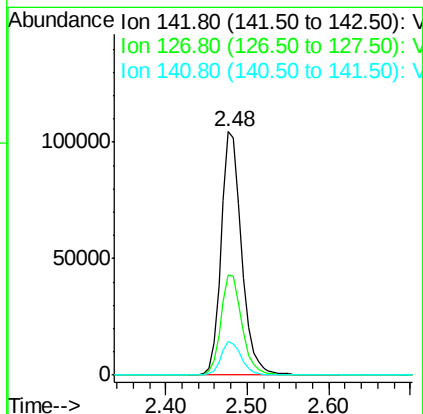
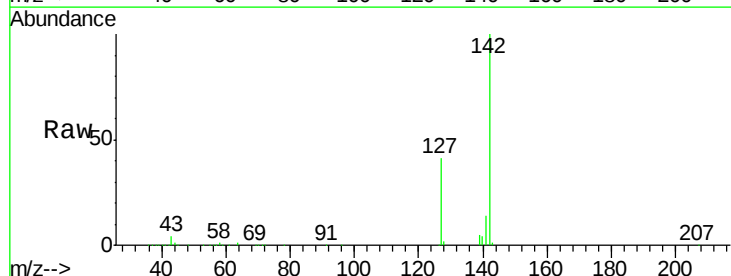
RT: 2.48 min Scan# 228

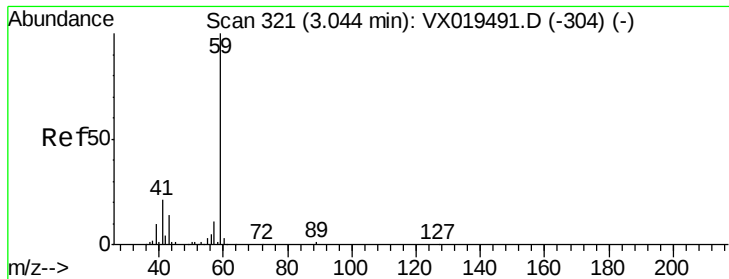
Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Tgt Ion:	142	Resp:	182664
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.6
141	14.0	11.0	16.6





#11

Tert butyl alcohol
Concen: 264.522 ug/l
RT: 3.05 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

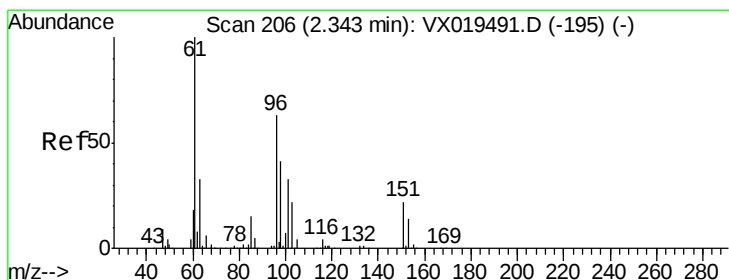
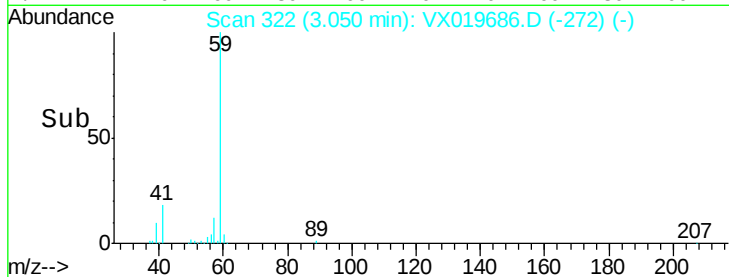
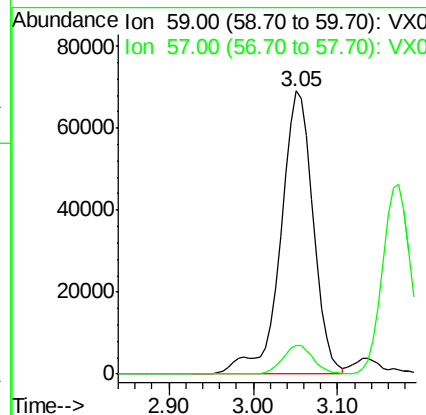
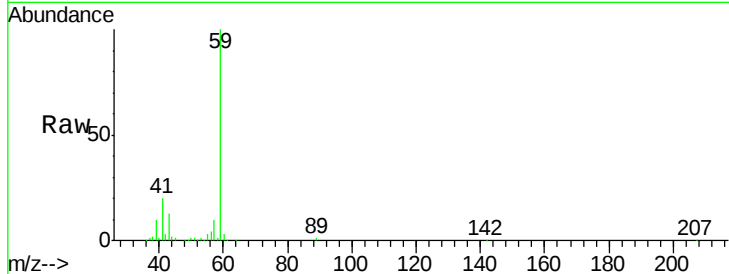
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	185761		
57	9.8		7.9	11.9

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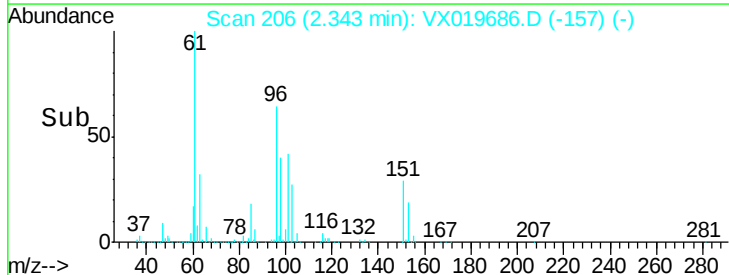
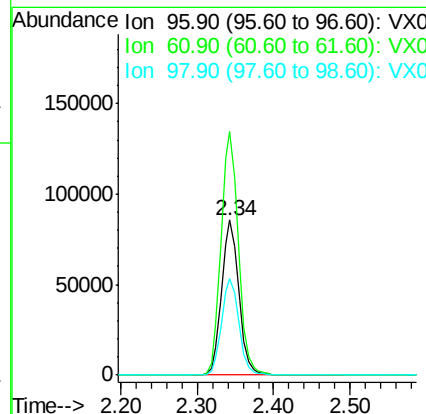
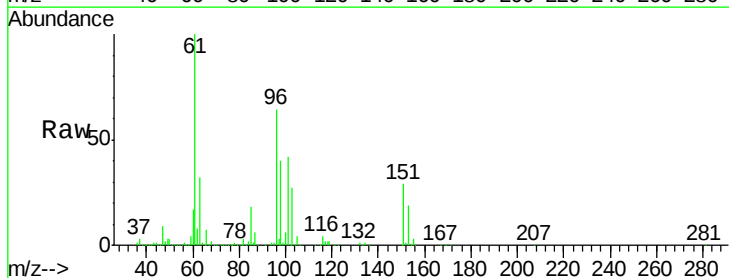
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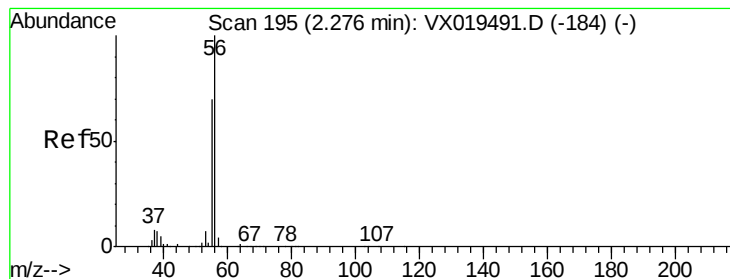


#12

1,1-Dichloroethene
Concen: 46.804 ug/l
RT: 2.34 min Scan# 206
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	132983		
61	157.3		126.0	189.0
98	62.3		52.0	78.0





#13

Acrolein

Concen: 185.720 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 87669

Ion Ratio Lower Upper

56 100

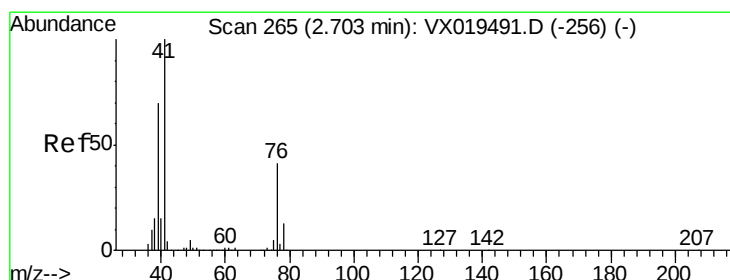
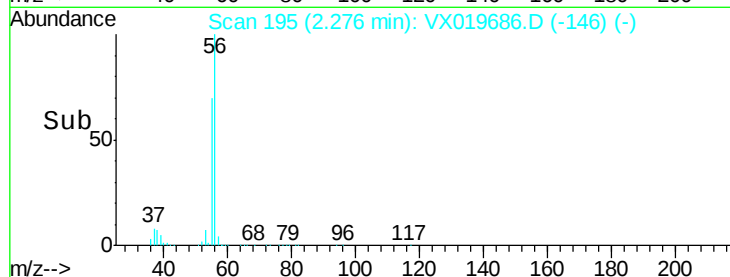
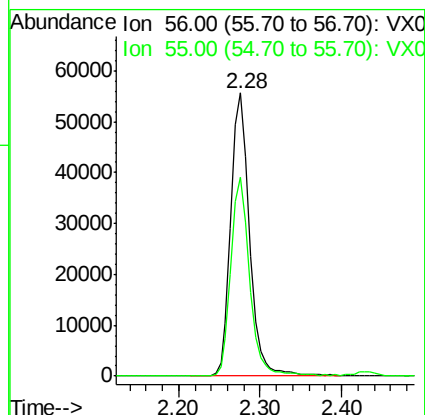
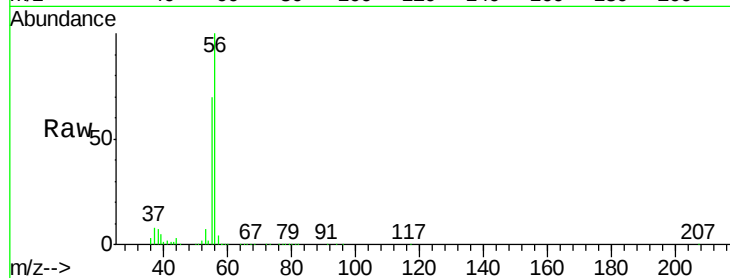
55 69.6 55.5 83.3

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#14

Allyl chloride

Concen: 49.660 ug/l

RT: 2.70 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

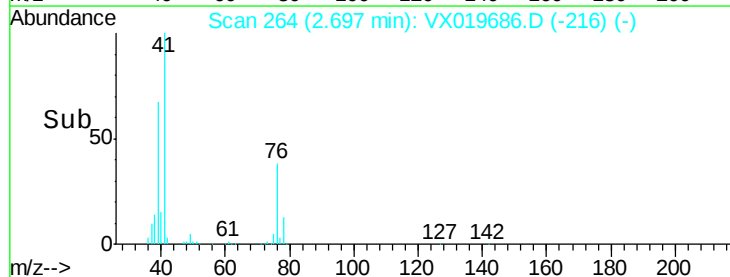
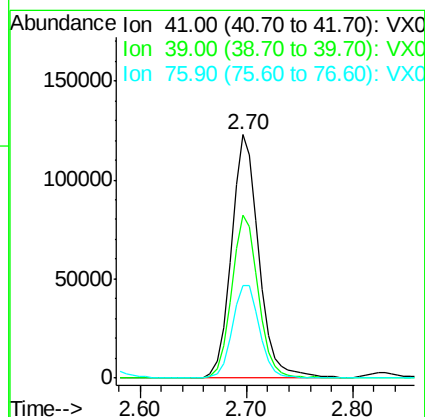
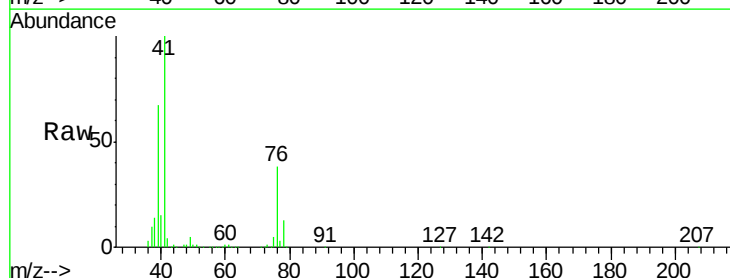
Tgt Ion: 41 Resp: 221038

Ion Ratio Lower Upper

41 100

39 65.5 53.0 79.4

76 38.3 31.0 46.6





#15

Acrylonitrile

Concen: 260.127 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampled :

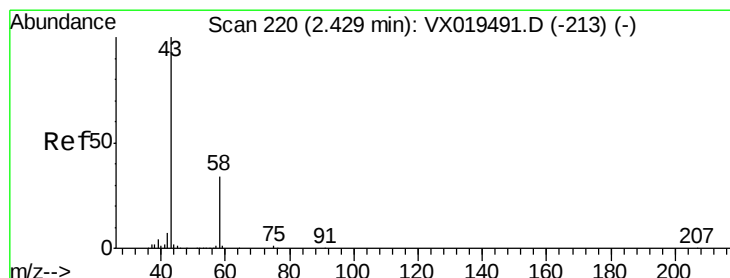
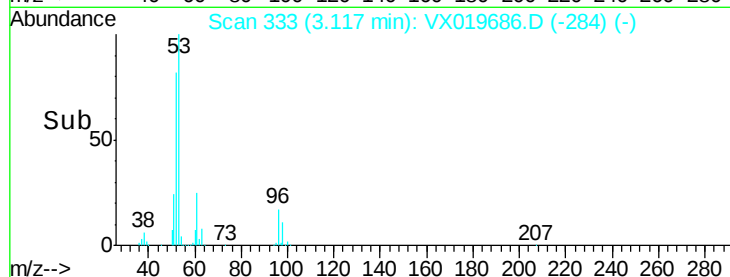
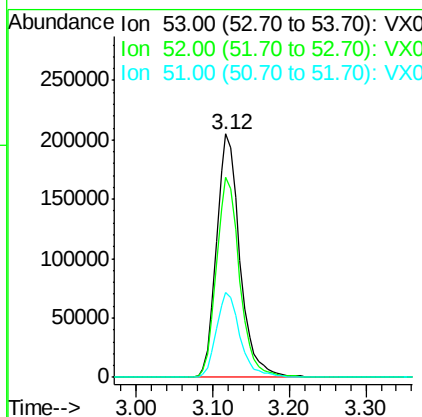
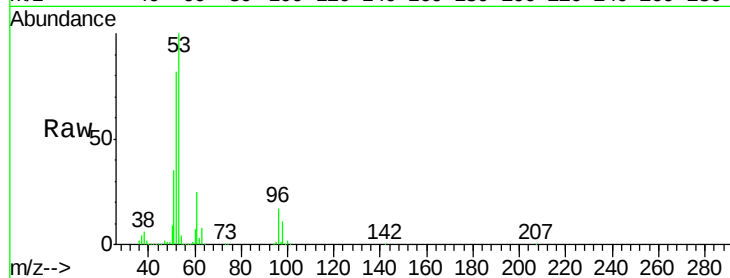
VSTDCCC050

Tot Ion:	53	Resp:	430810
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.2	99.2
51	35.5	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 291.779 ug/l

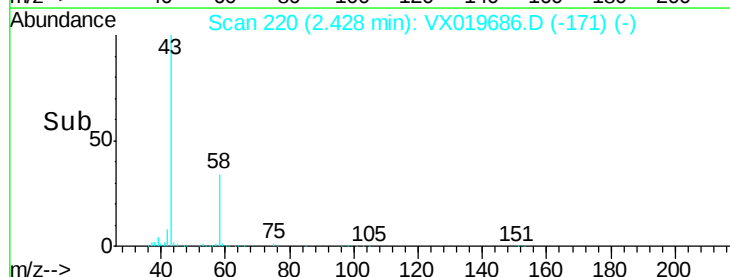
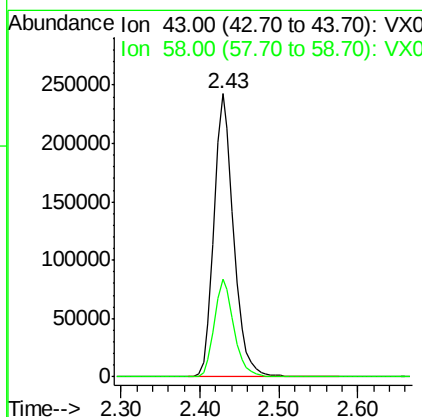
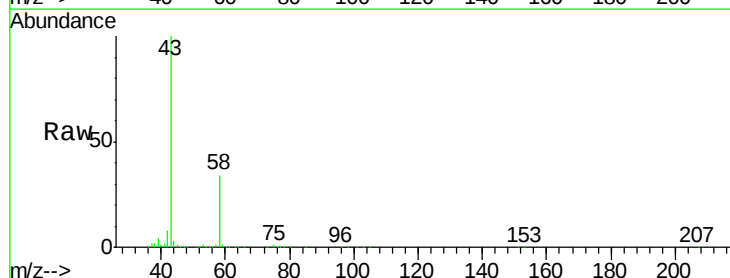
RT: 2.43 min Scan# 220

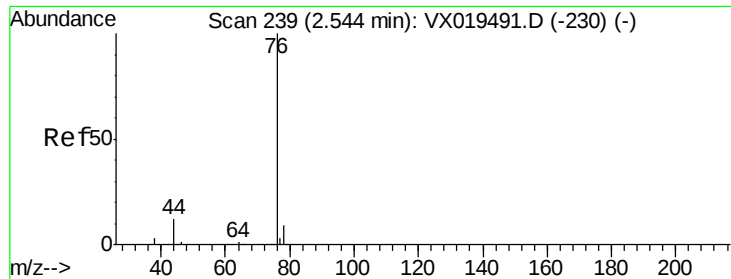
Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Tgt Ion:	43	Resp:	418701
Ion Ratio		Lower	Upper
43	100		
58	34.5	27.4	41.2





#17
Carbon Disulfide
Concen: 44.218 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

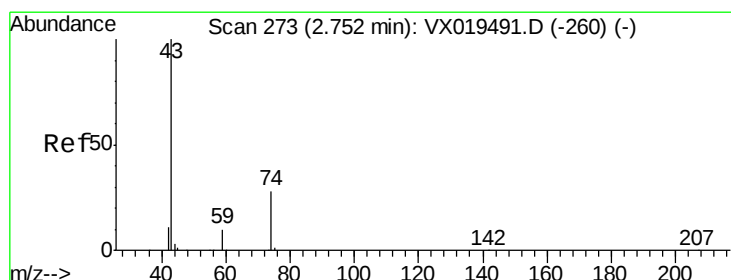
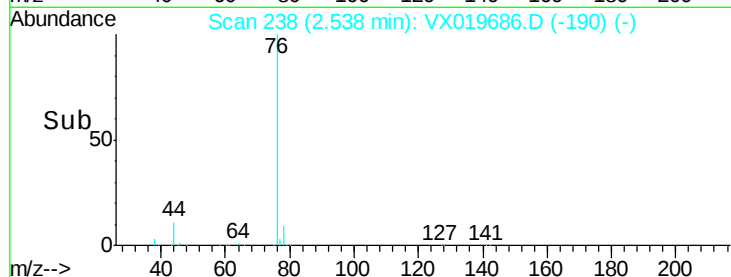
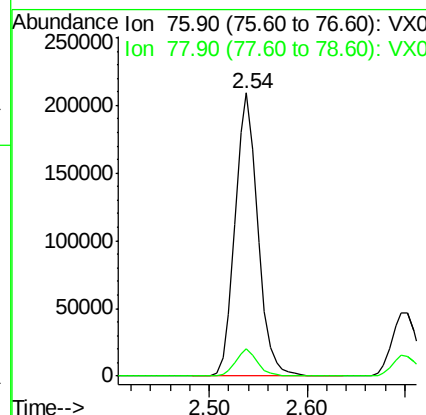
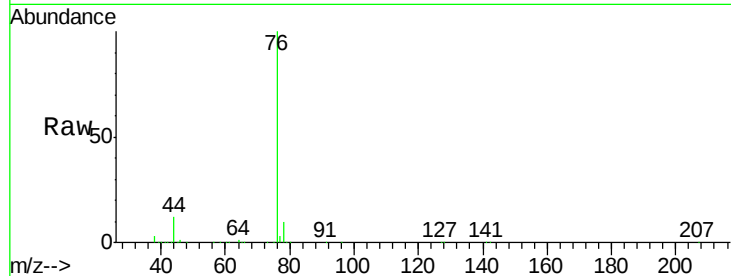
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

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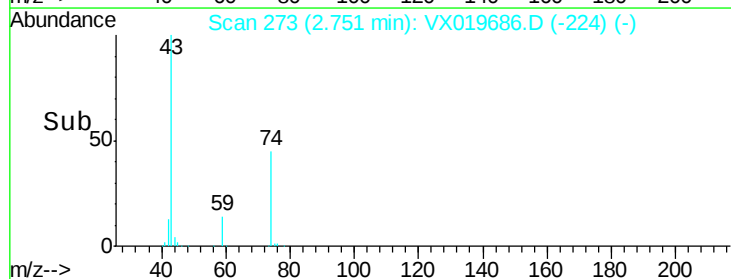
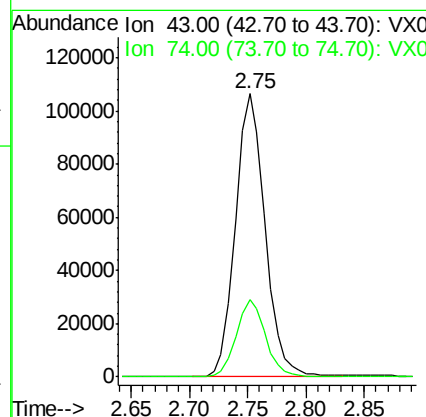
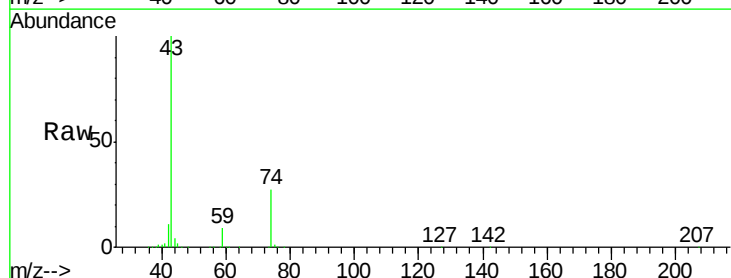
MMDadoda

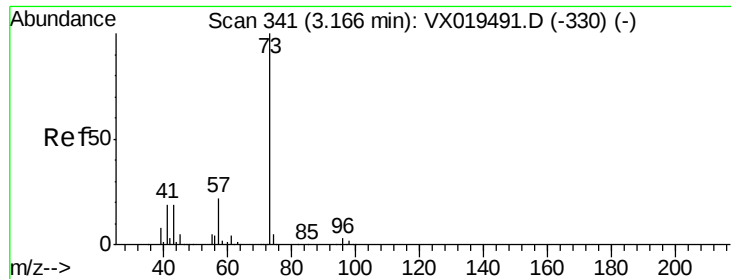
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#18
Methyl Acetate
Concen: 53.375 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	22.2	33.4





#19
Methvl tert-butvl Ether
Concen: 51.872 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

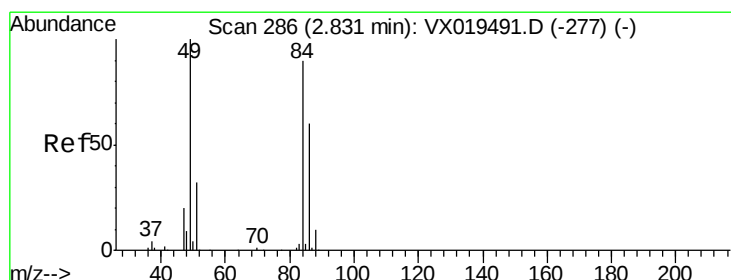
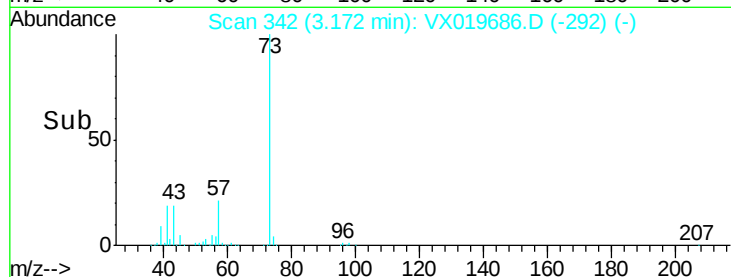
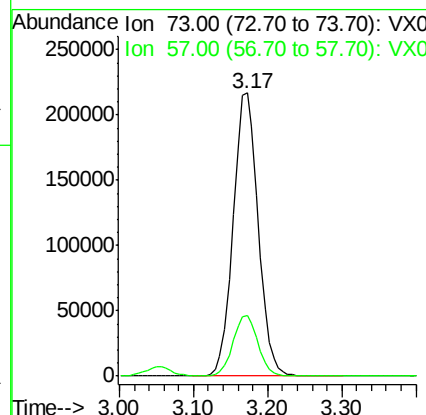
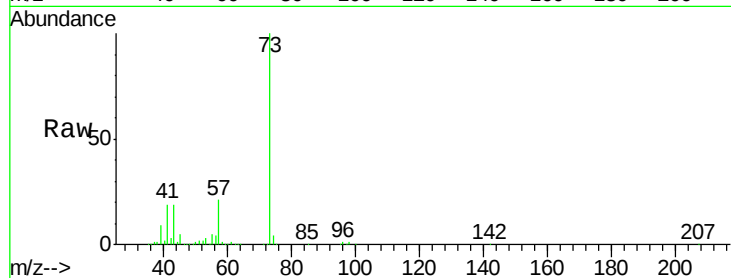
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.3	25.9

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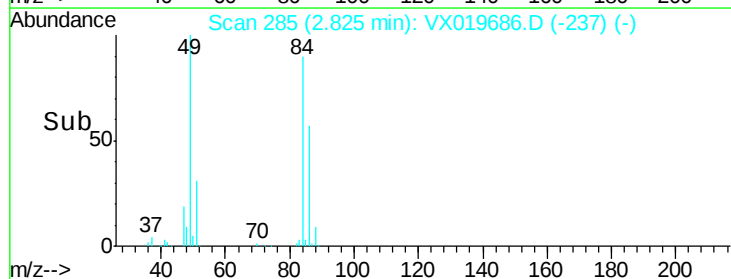
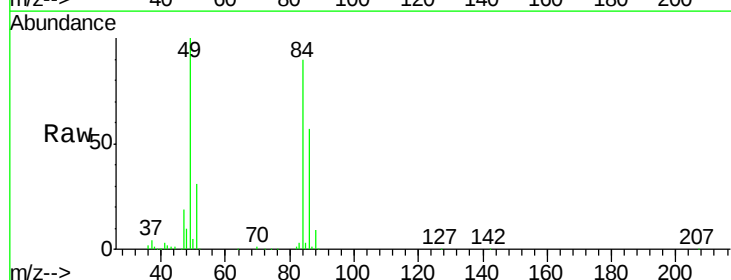
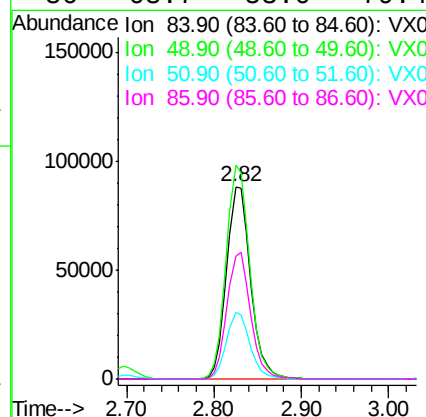
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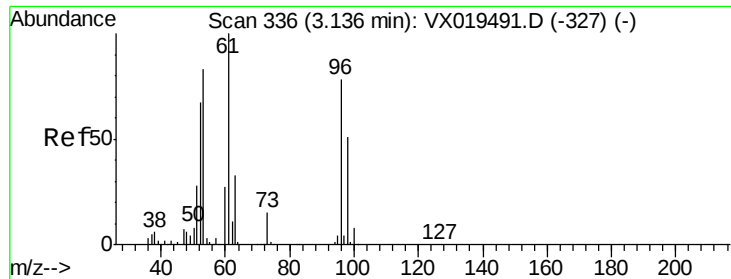
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#20
Methylene Chloride
Concen: 46.968 ug/l
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.0	88.5	132.7
51	34.7	28.0	42.0
86	63.7	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 48.513 ug/l

RT: 3.13 min Scan# 335

Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampled :

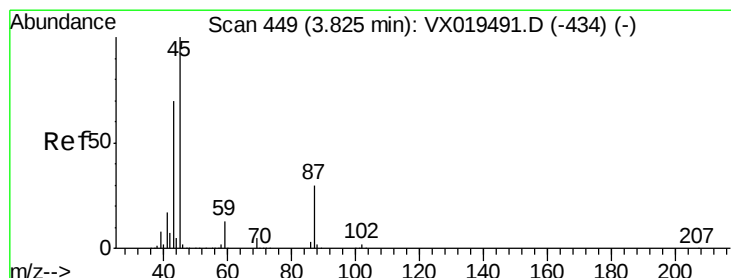
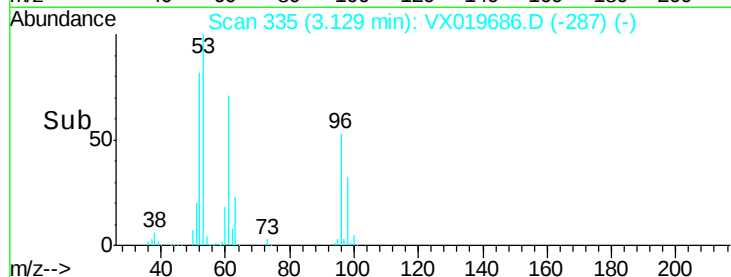
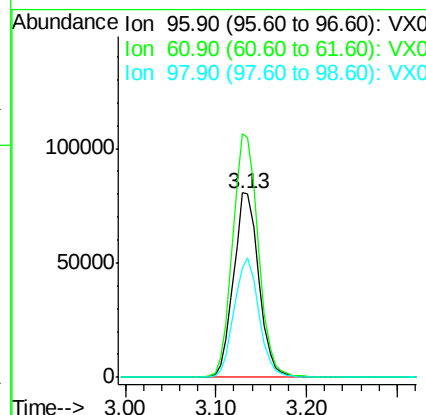
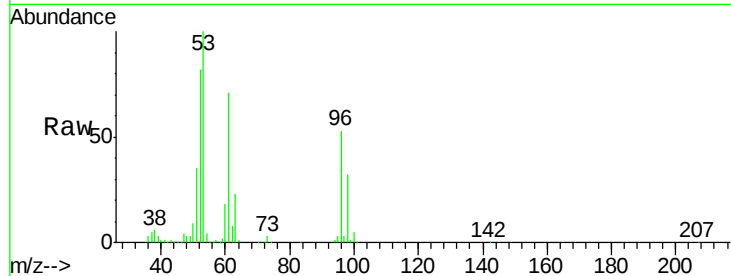
VSTDCCC050

Tot Ion:	96	Resp:	156170
Ion	Ratio	Lower	Upper
96	100		
61	132.1	102.9	154.3
98	59.6	52.1	78.1

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#22

Diisopropyl ether

Concen: 50.547 ug/l

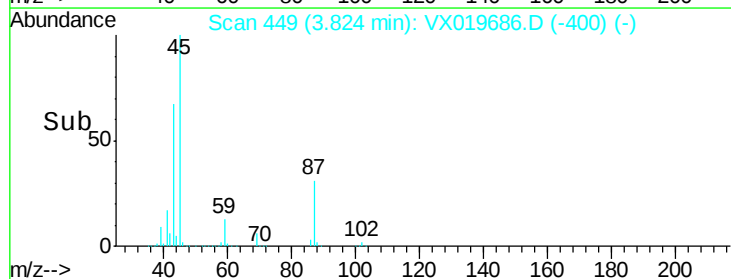
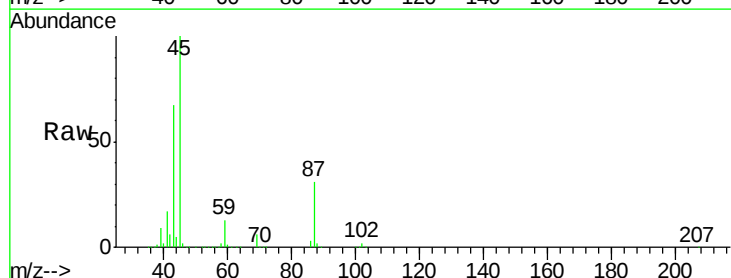
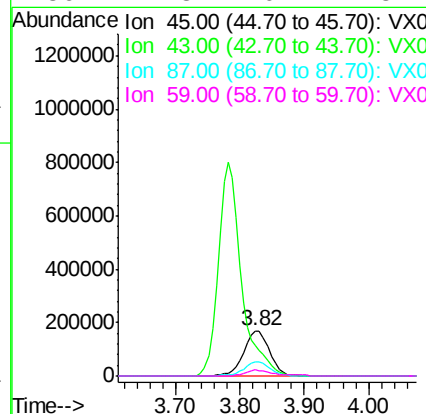
RT: 3.82 min Scan# 449

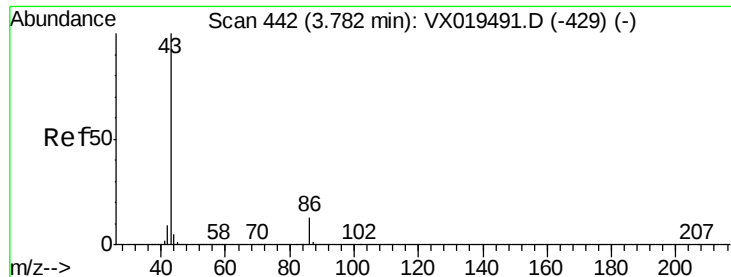
Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Tgt Ion:	45	Resp:	465429
Ion	Ratio	Lower	Upper
45	100		
43	66.9	56.1	84.1
87	31.5	24.2	36.2
59	12.8	10.2	15.2





#23

Vinyl Acetate

Concen: 261.434 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2019178

Ion Ratio Lower Upper

43 100

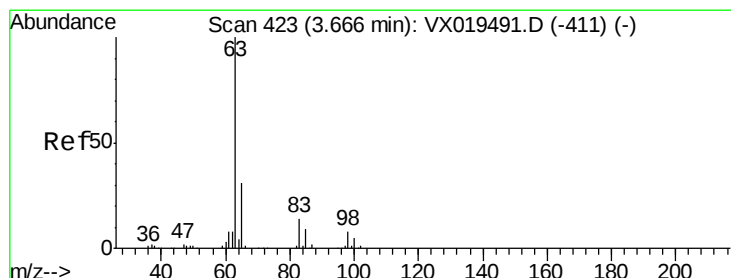
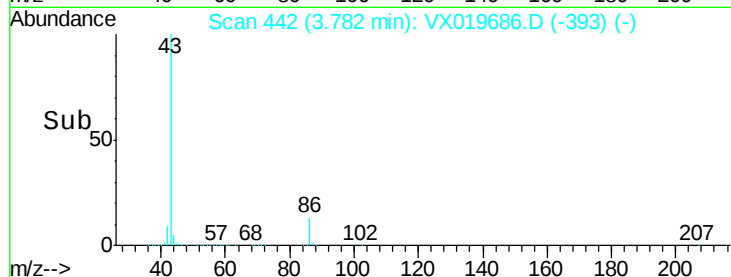
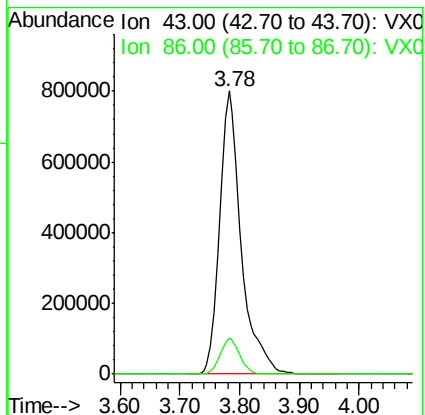
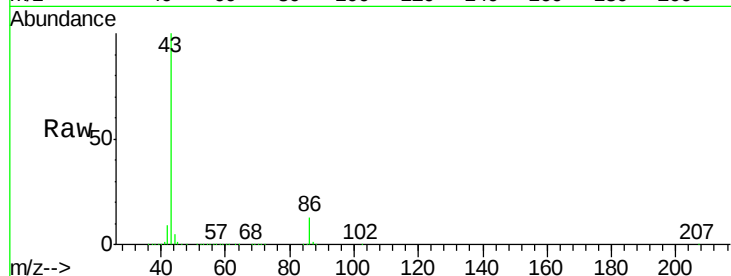
86 12.7 10.2 15.2

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#24

1,1-Dichloroethane

Concen: 50.091 ug/l

RT: 3.66 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

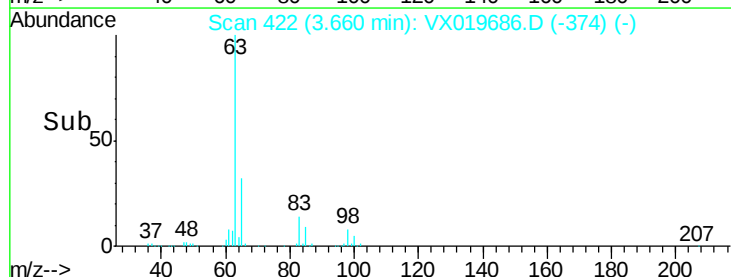
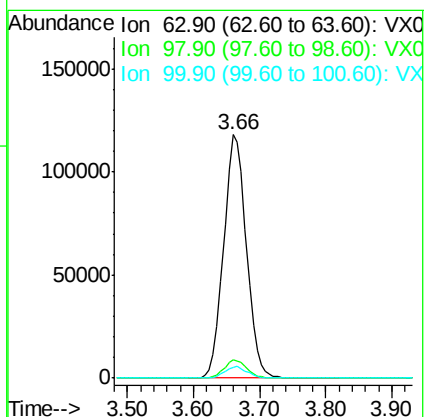
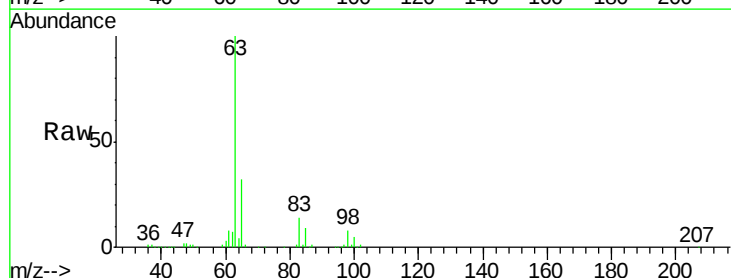
Tgt Ion: 63 Resp: 282113

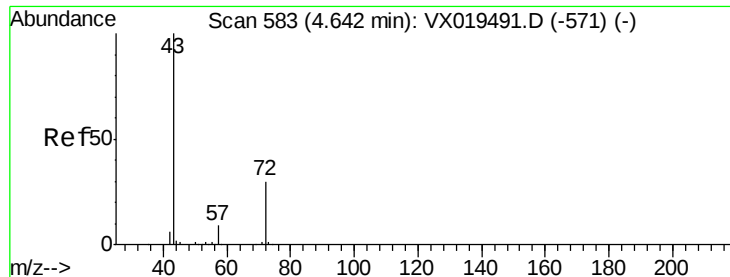
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 271.738 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 585767

Ion Ratio Lower Upper

43 100

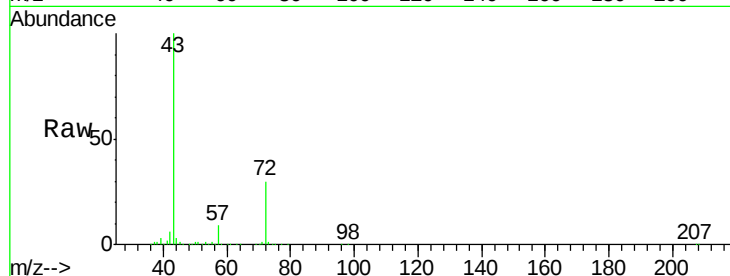
72 29.9 24.0 36.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.64

200000

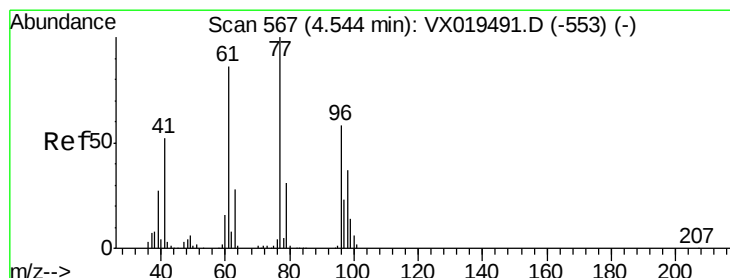
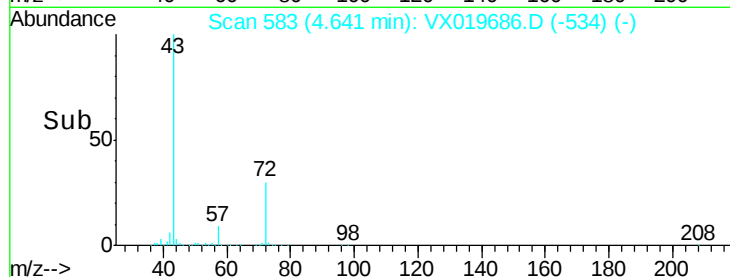
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.975 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.00 min

Lab File: VX019686.D

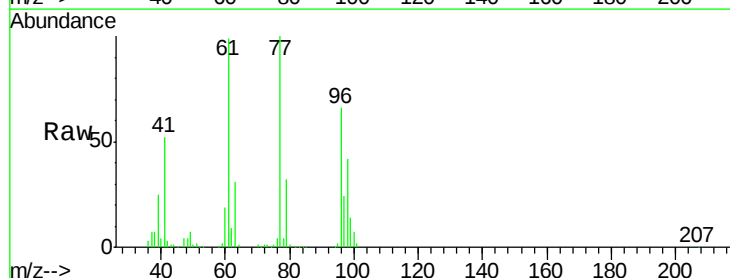
Acq: 01 Dec 2020 10:20

Tgt Ion: 77 Resp: 245677

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.54

80000

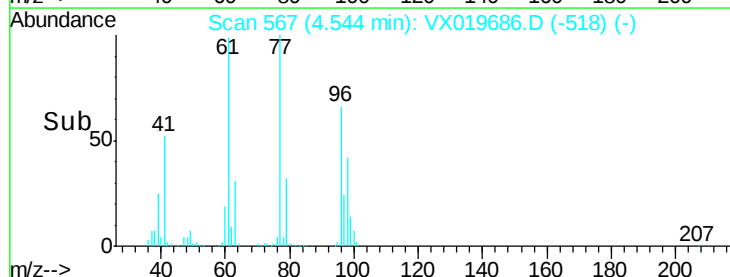
60000

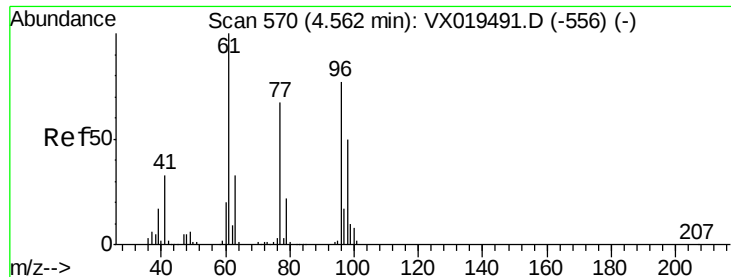
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene
Concen: 49.554 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

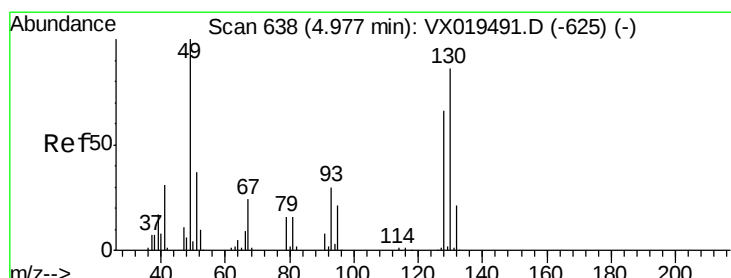
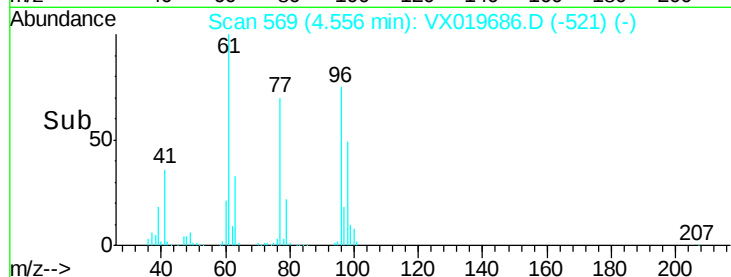
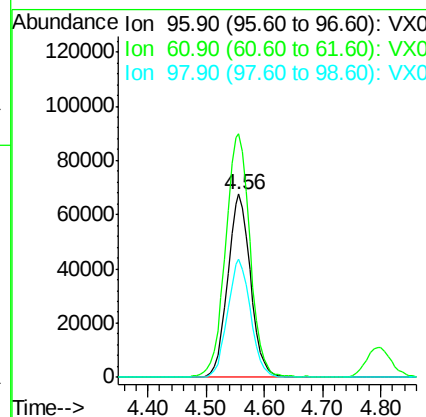
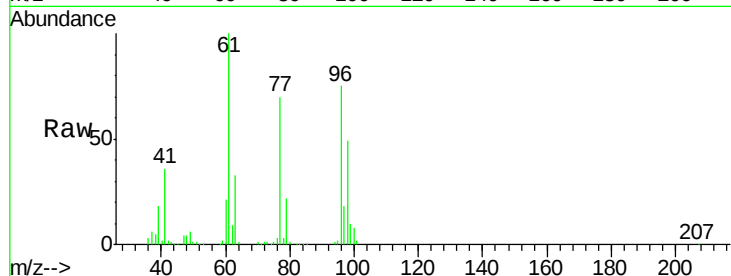
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	183239		
61	143.0	0.0	279.2	
98	65.3	0.0	129.8	

Manual Integrations
APPROVED

MMDadoda

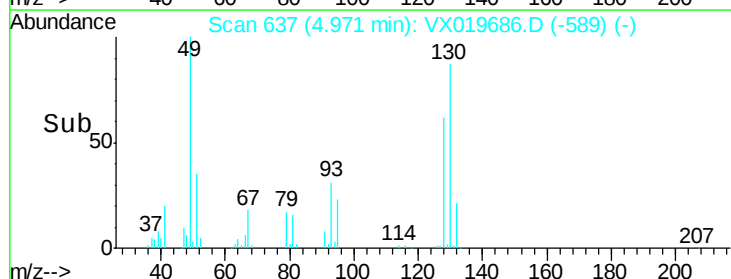
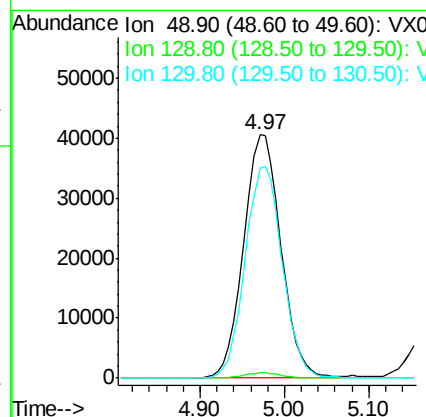
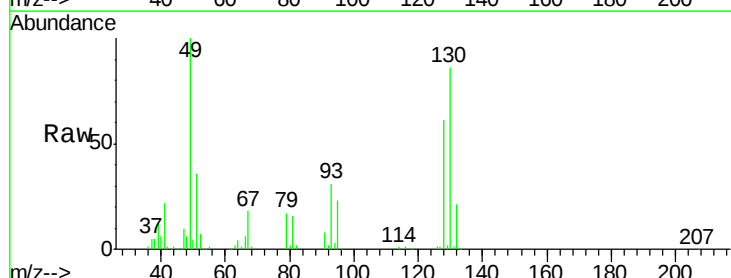
12/2/2020 12:43:58 PM

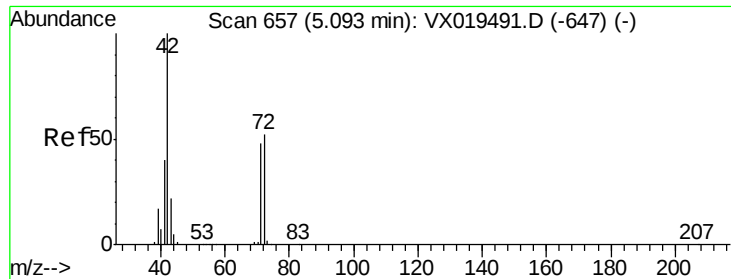


#28

Bromochloromethane
Concen: 45.361 ug/l
RT: 4.97 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122144		
129	2.1	0.0	4.2	
130	86.8	69.0	103.6	





#29
Tetrahydrofuran
Concen: 252.012 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

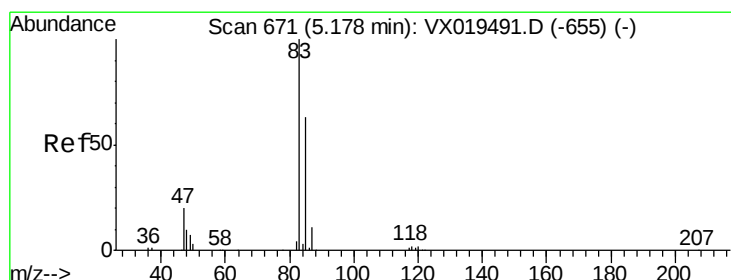
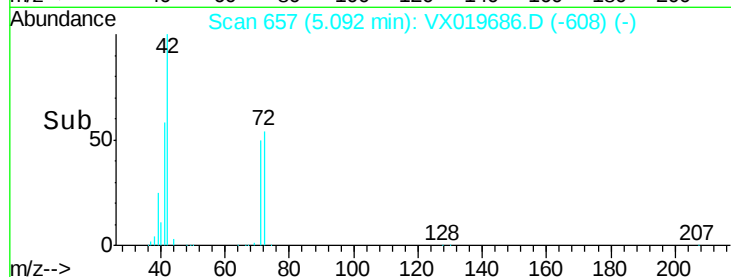
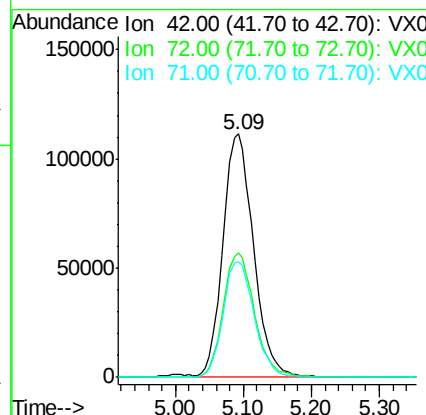
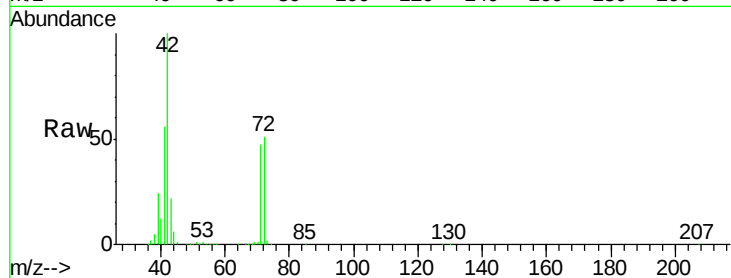
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
72	52.7	42.6	63.8		
71	48.4	39.0	58.6		

Manual Integrations
APPROVED

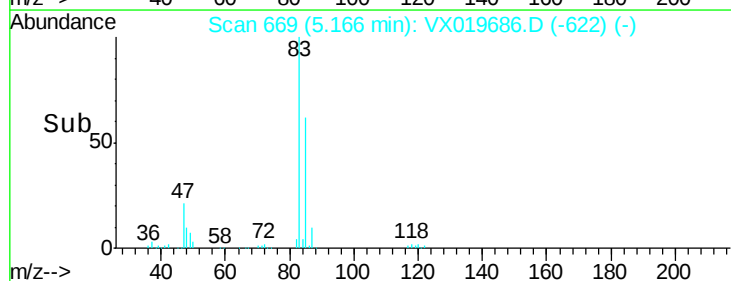
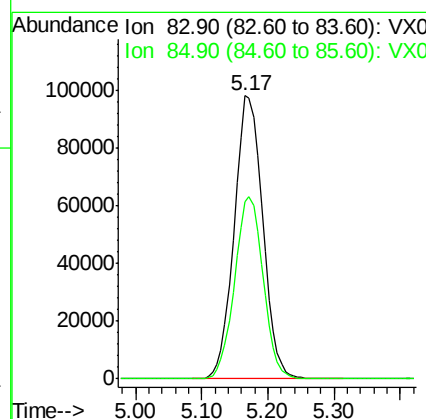
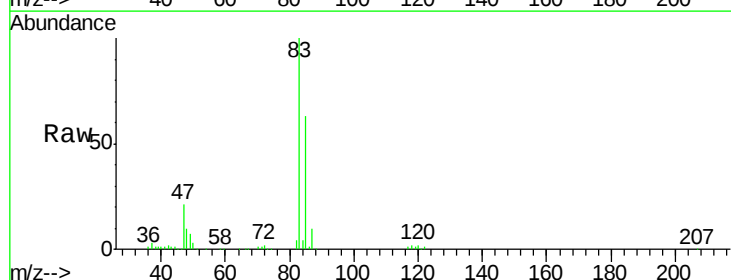
MMDadoda

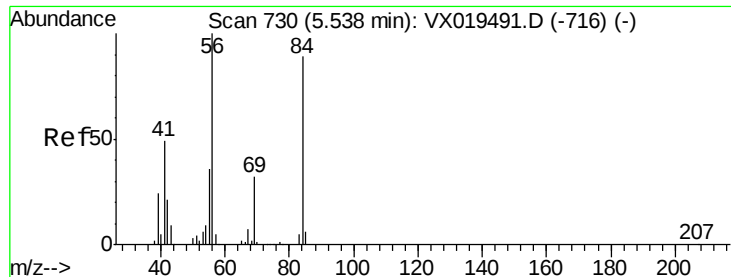
12/2/2020 12:43:58 PM



#30
Chloroform
Concen: 50.010 ug/l
RT: 5.17 min Scan# 669
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
85	62.7	50.5	75.7		





#31

Cyclohexane

Concen: 48.791 ug/l

RT: 5.54 min Scan# 730

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

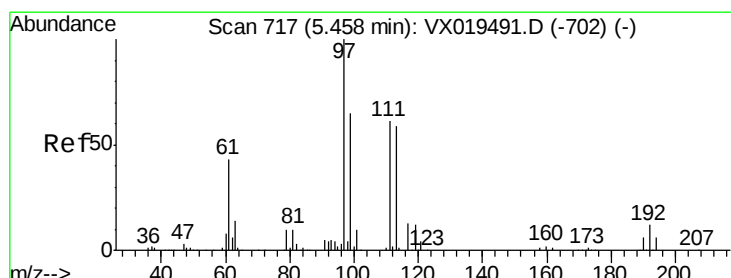
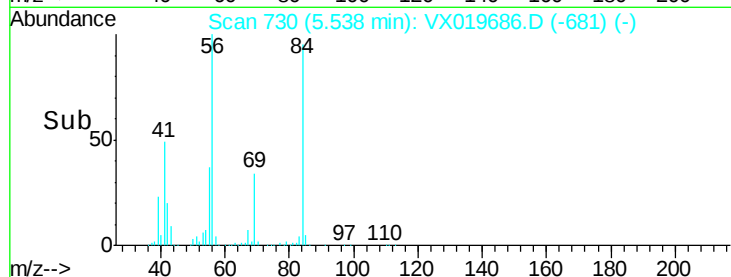
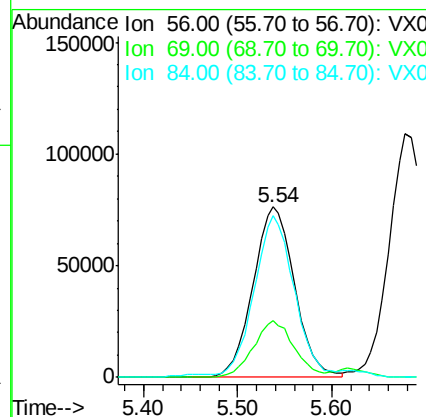
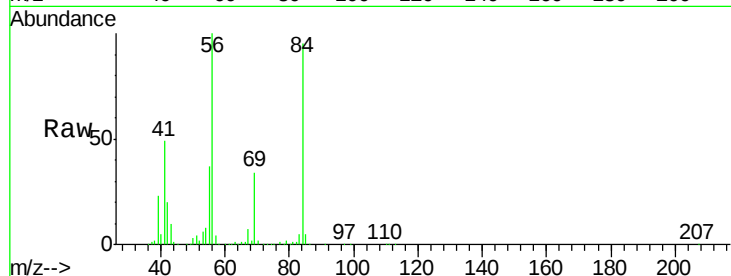
VSTDCCC050

Tot Ion:	56	Resp:	235477
Ion Ratio	Lower	Upper	
56	100		
69	33.6	25.5	38.3
84	93.4	71.1	106.7

Manual Integrations
APPROVED

MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 50.328 ug/l

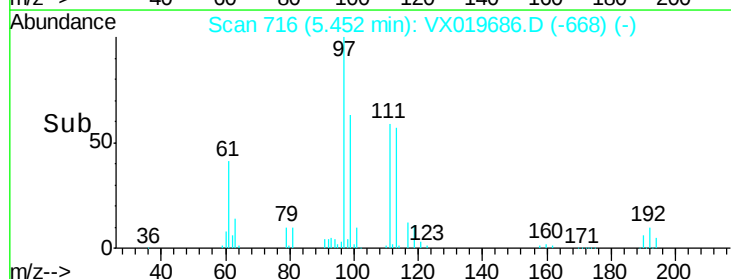
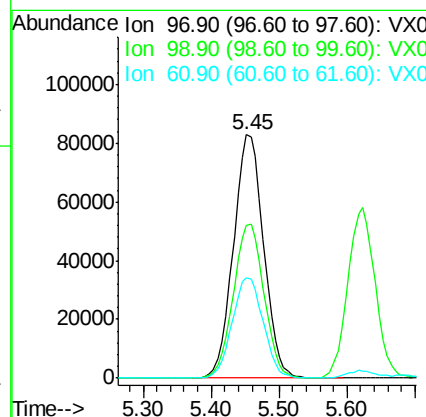
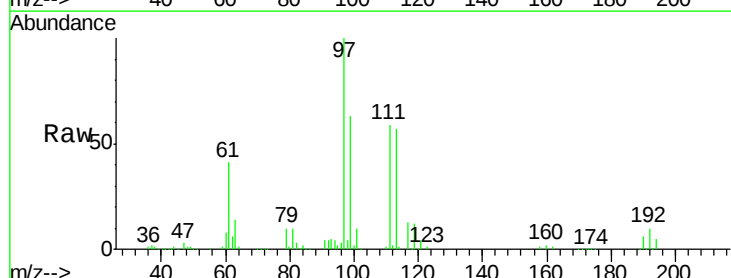
RT: 5.45 min Scan# 716

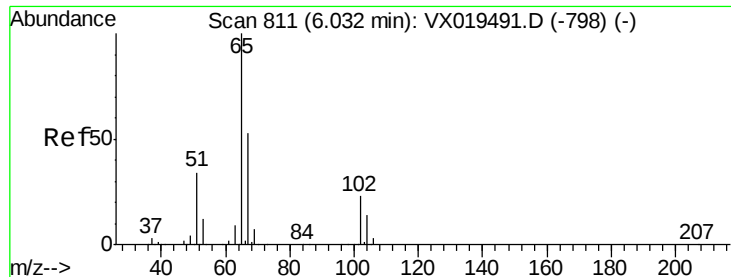
Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Tgt Ion:	97	Resp:	254599
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.4	77.0
61	42.5	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 47.902 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 177748

Ion Ratio Lower Upper

65 100

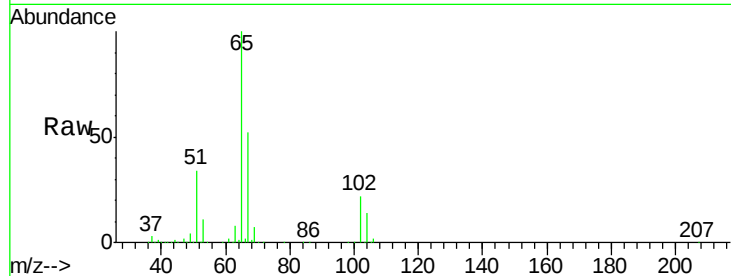
67 52.8 0.0 105.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

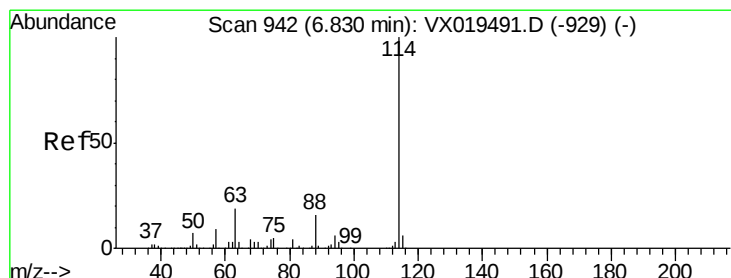
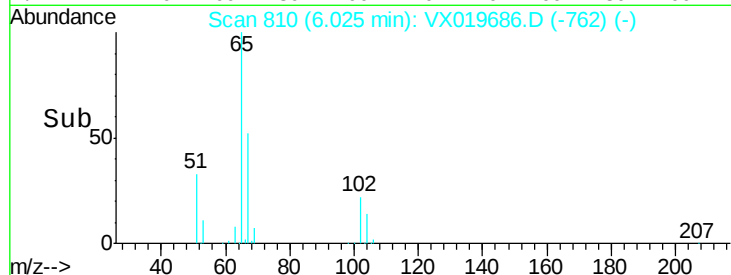
40000

20000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

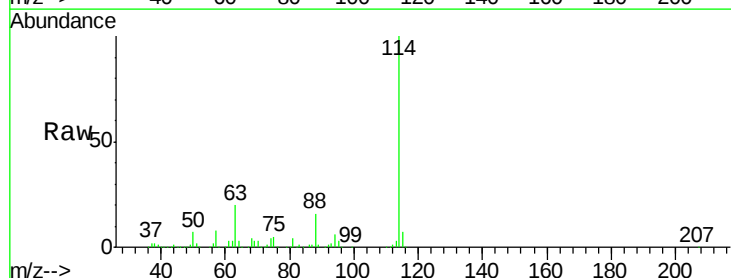
Tgt Ion: 114 Resp: 459377

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 15.7 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.82

250000

200000

150000

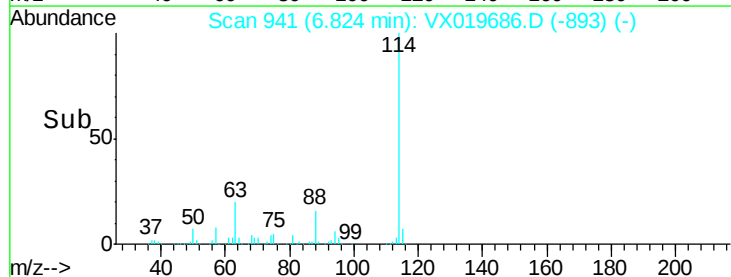
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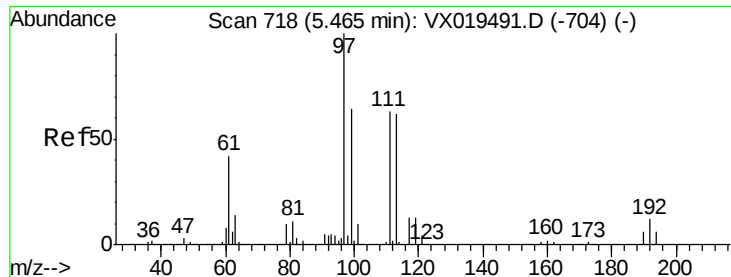
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35
Dibromofluoromethane
Concen: 50.723 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

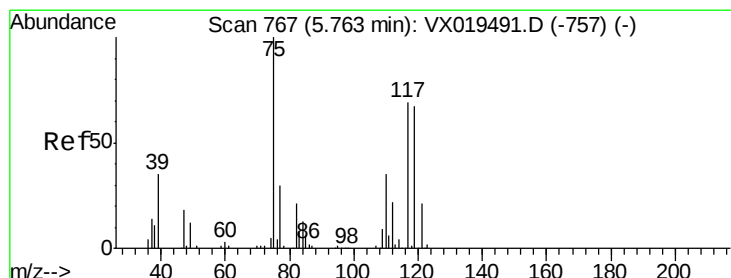
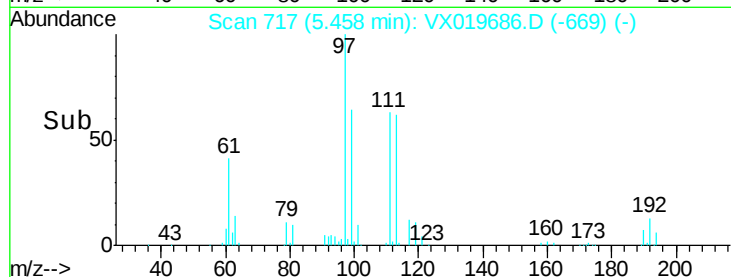
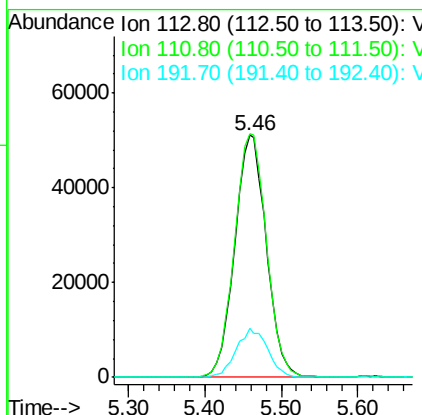
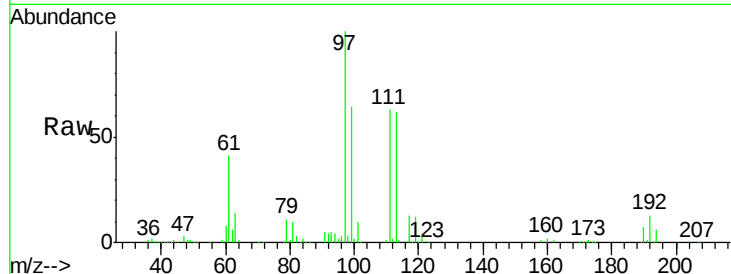
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146261		
111	101.8	81.5	122.3	
192	20.0	16.2	24.2	

Manual Integrations
APPROVED

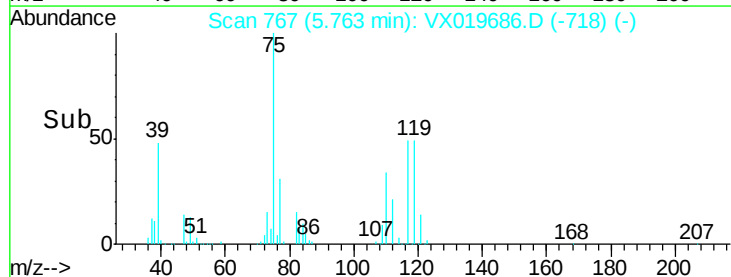
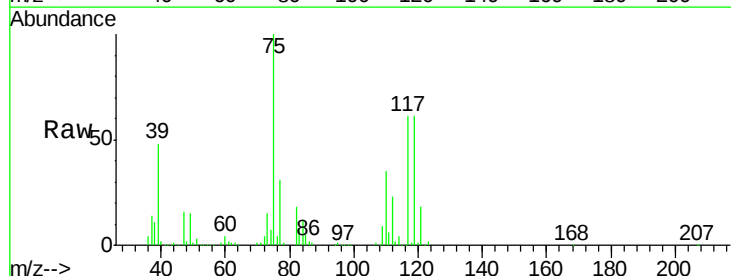
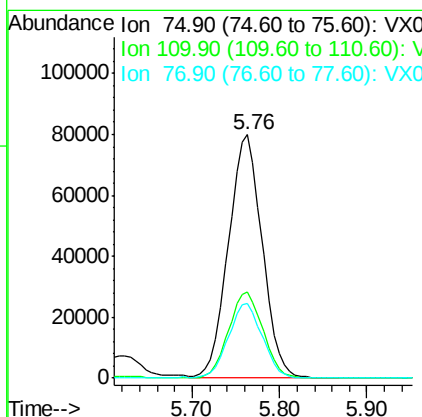
MMDadoda

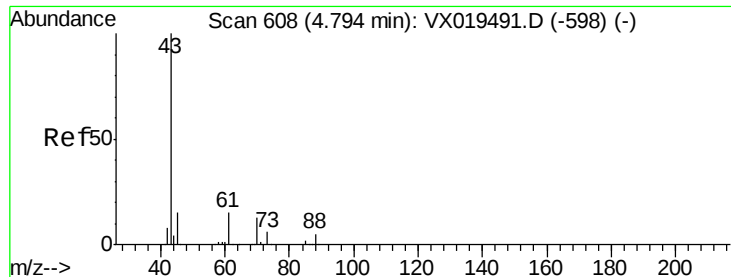
12/2/2020 12:43:58 PM



#36
1,1-Dichloropropene
Concen: 49.536 ug/l
RT: 5.76 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213337		
110	36.0	18.1	54.3	
77	31.1	24.2	36.4	





#37
Ethyl Acetate
Concen: 53.132 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

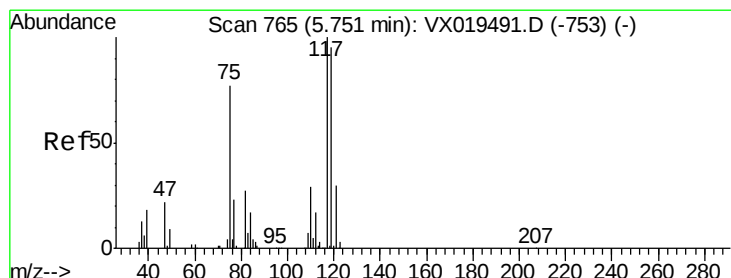
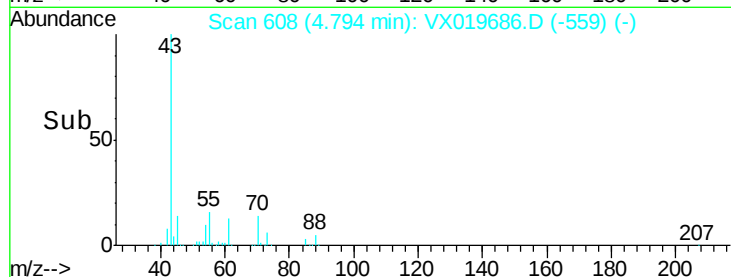
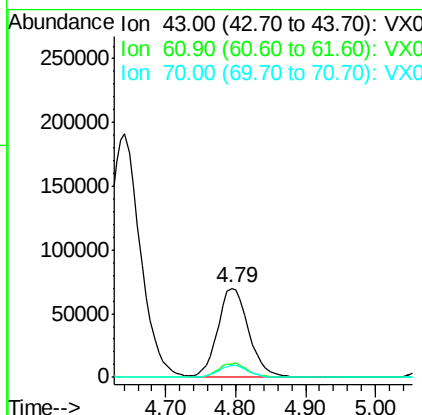
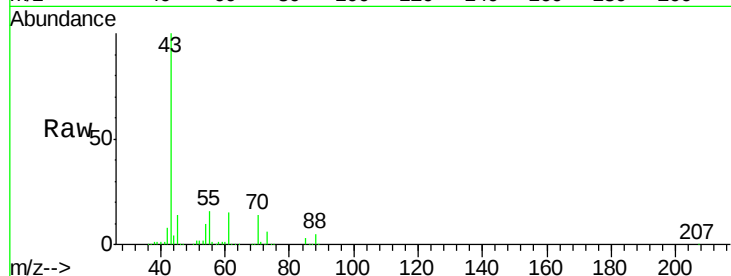
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:	43	Resp:	214816
Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.7	19.1
70	12.9	10.2	15.2

Manual Integrations
APPROVED

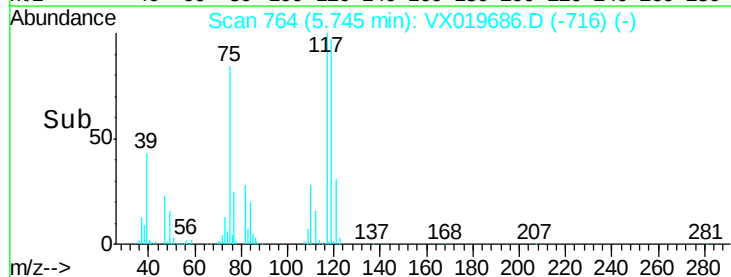
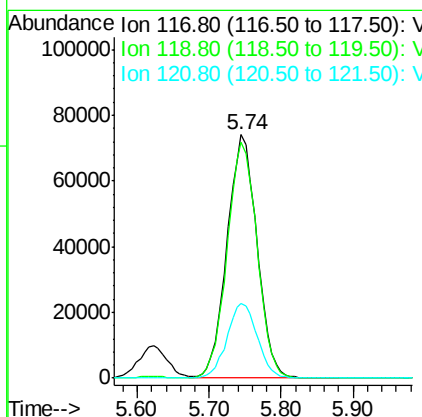
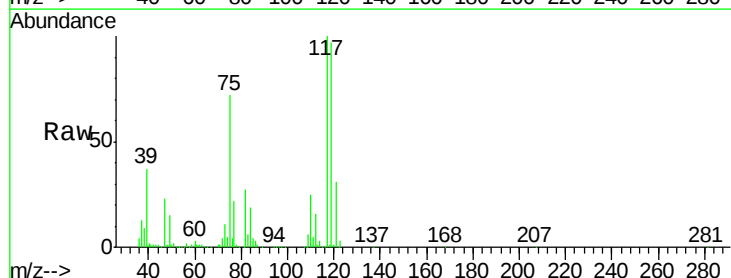
MMDadoda

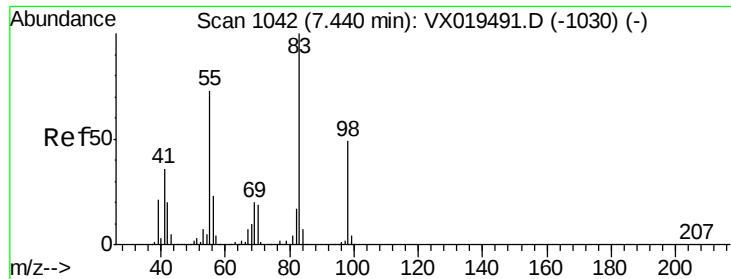
12/2/2020 12:43:58 PM



#38
Carbon Tetrachloride
Concen: 51.390 ug/l
RT: 5.74 min Scan# 764
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion:	117	Resp:	214220
Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.9	113.9
121	30.7	24.0	36.0





#39
Methvlcvclohexane
Concen: 50.265 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

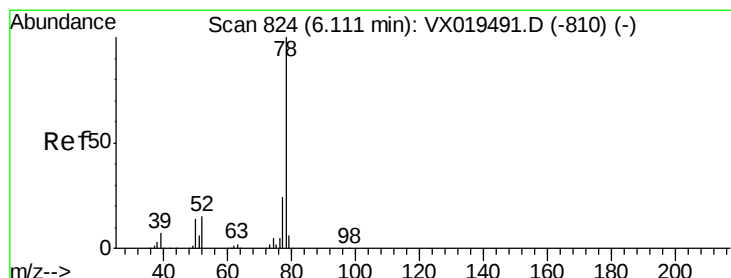
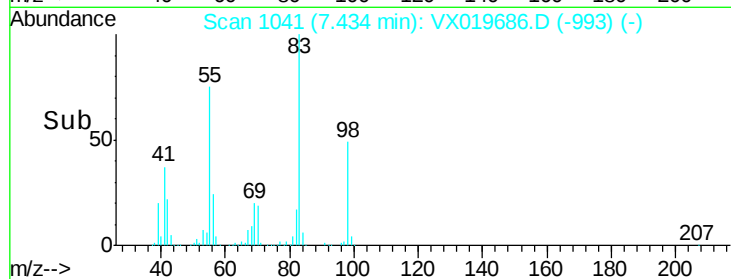
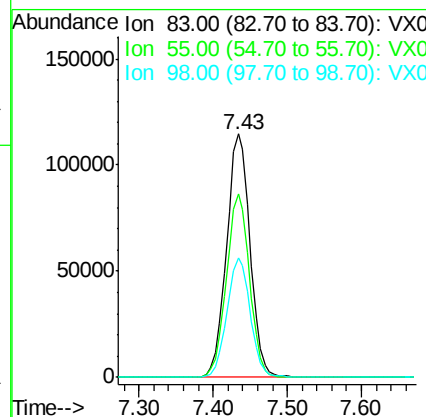
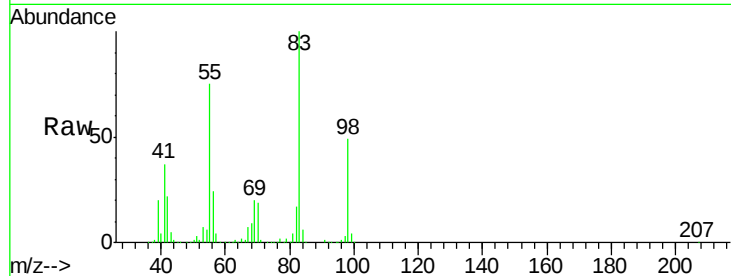
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	252055		
55	75.4		58.3	87.5
98	49.2		38.9	58.3

Manual Integrations
APPROVED

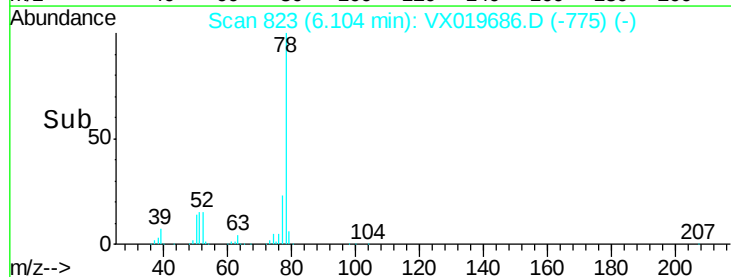
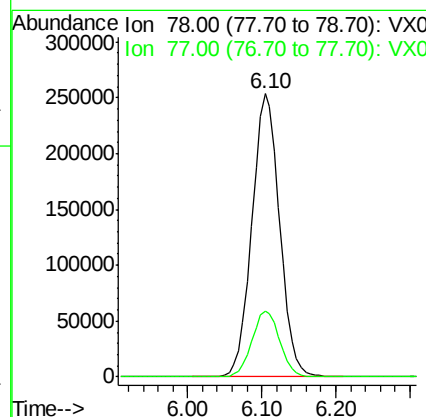
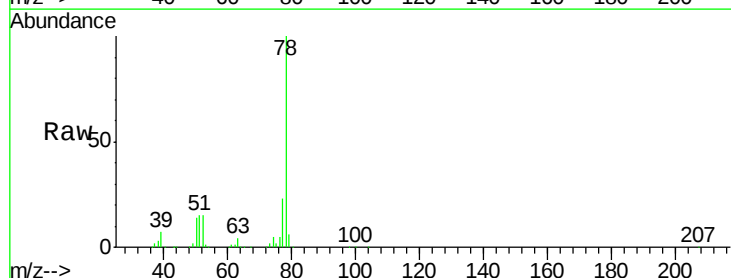
MMDadoda

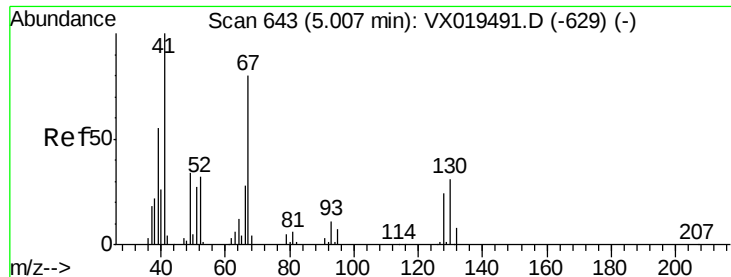
12/2/2020 12:43:58 PM



#40
Benzene
Concen: 49.959 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	661069		
77	23.2		18.9	28.3





#41
Methacrylonitrile
Concen: 51.070 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

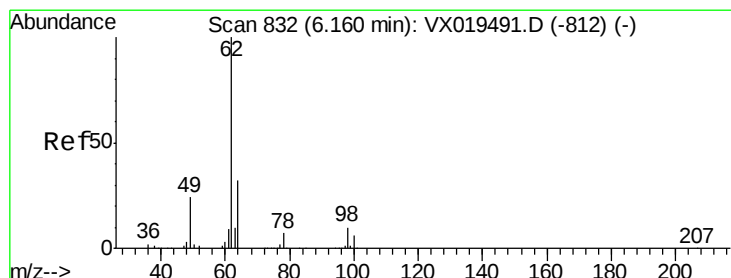
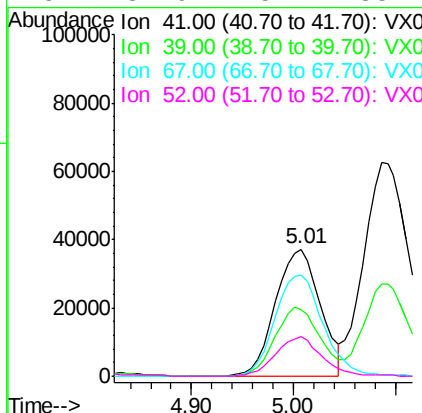
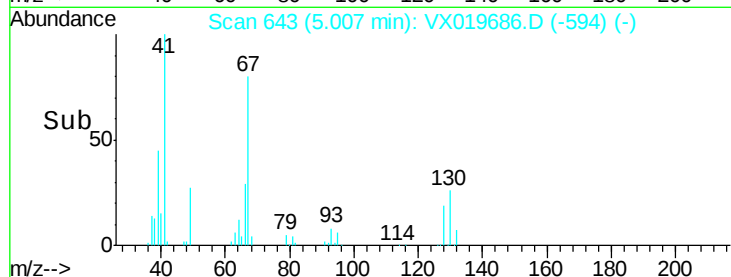
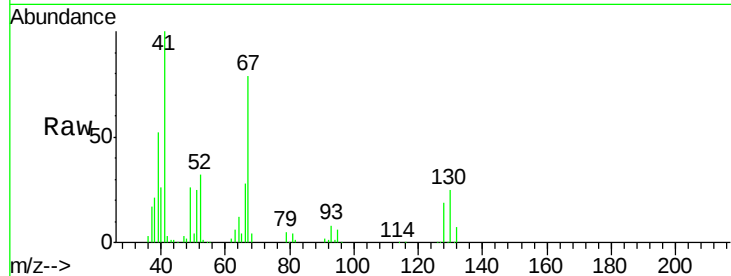
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.3	64.9
67	85.2	66.0	99.0
52	31.9	25.4	38.2

Manual Integrations
APPROVED

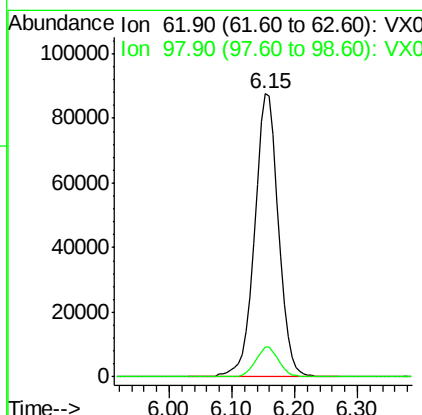
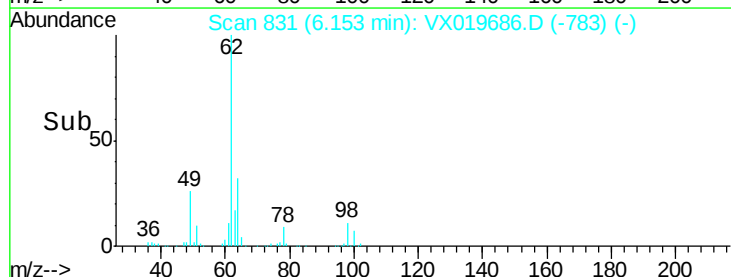
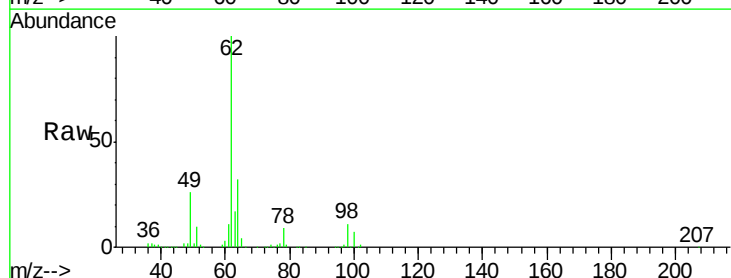
MMDadoda

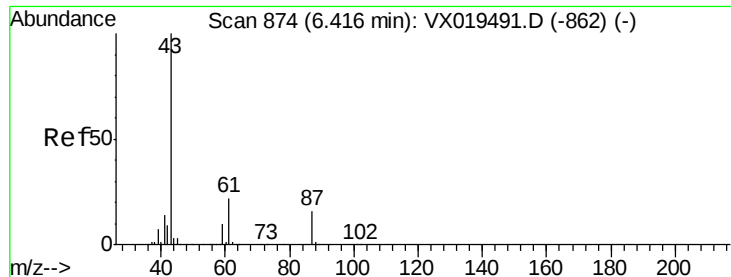
12/2/2020 12:43:58 PM



#42
1,2-Dichloroethane
Concen: 50.752 ug/l
RT: 6.15 min Scan# 831
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0





#43

Isopropyl Acetate
 Concen: 51.157 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

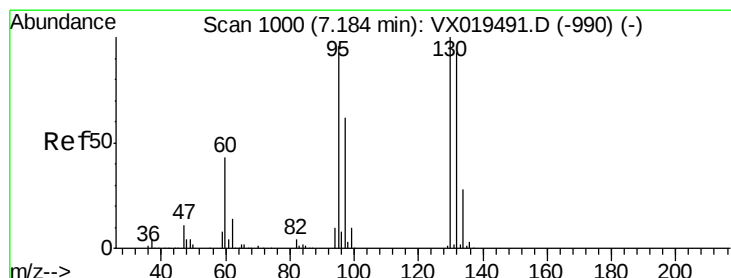
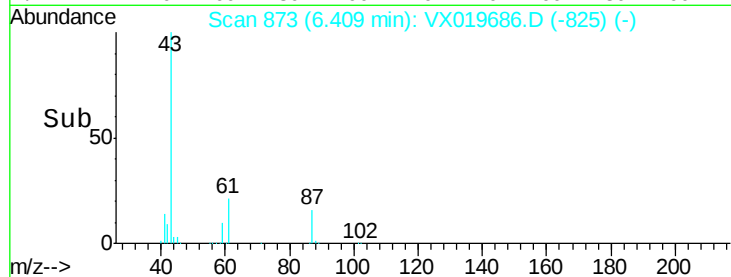
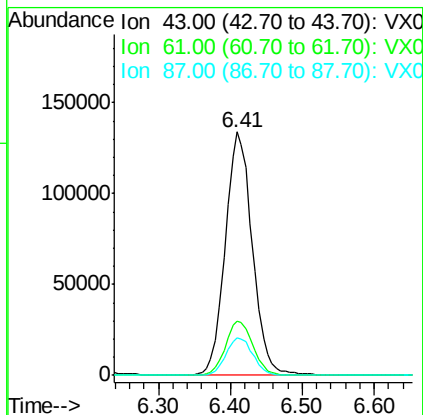
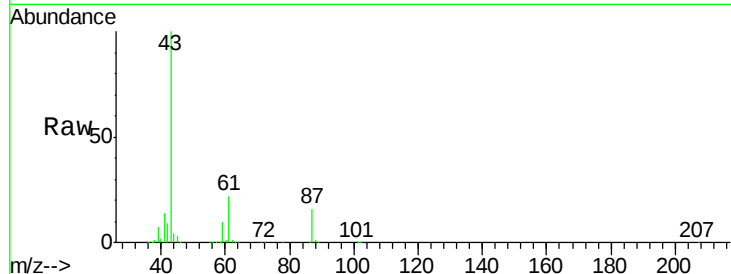
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.7	18.2	27.2
87	15.5	12.6	18.8

Manual Integrations
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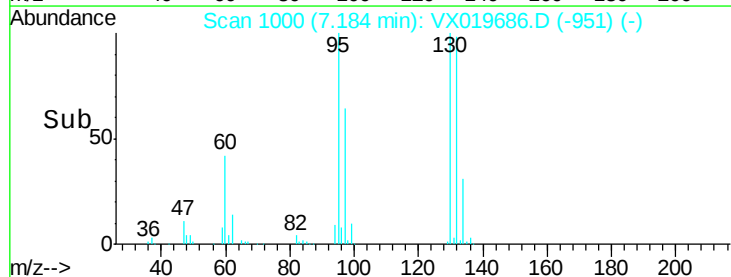
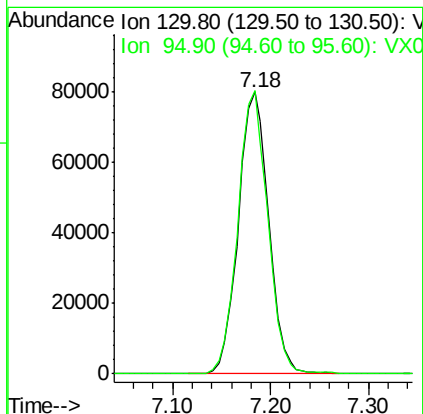
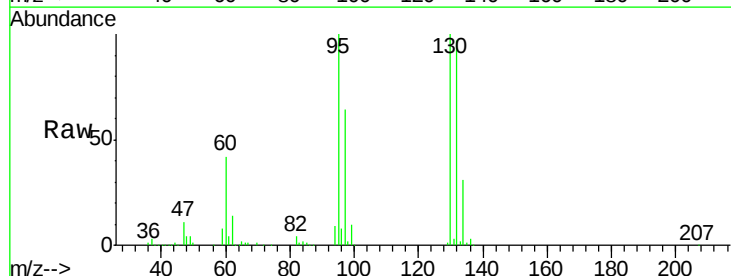
12/2/2020 12:43:58 PM

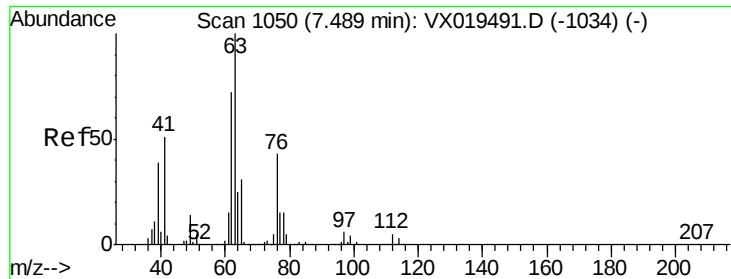


#44

Trichloroethene
 Concen: 49.626 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	191.2





#45

1,2-Dichloropropane

Concen: 51.399 ug/l

RT: 7.48 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 167434

Ion Ratio Lower Upper

63 100

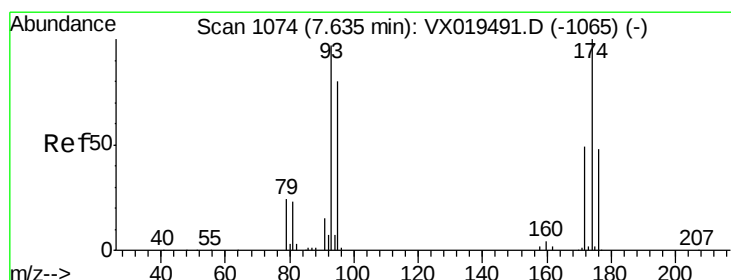
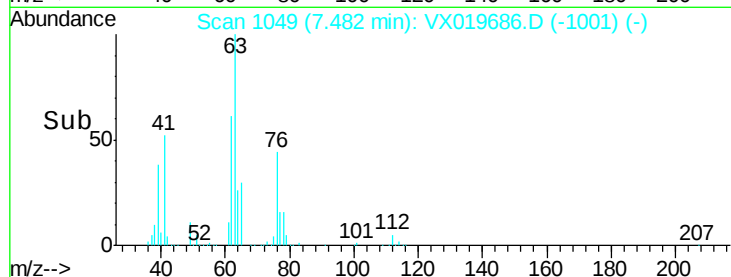
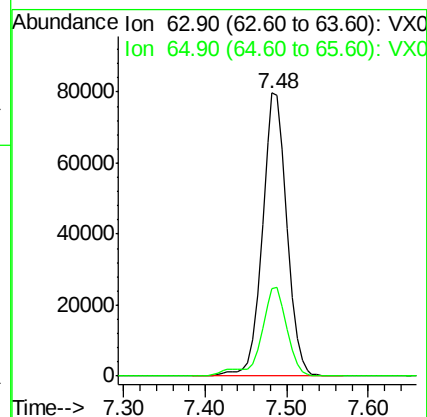
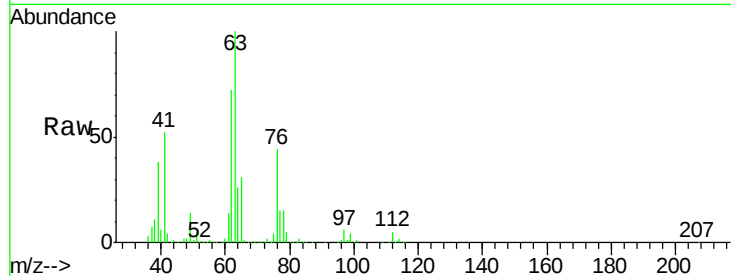
65 30.9 25.0 37.4

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 50.979 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

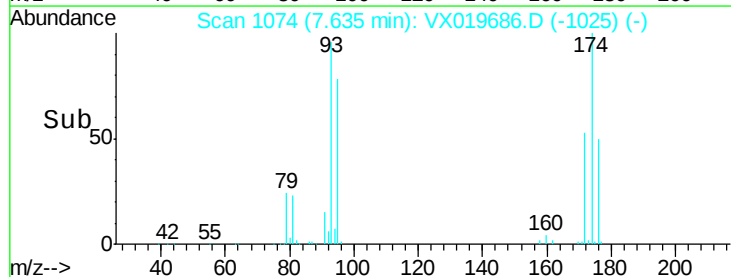
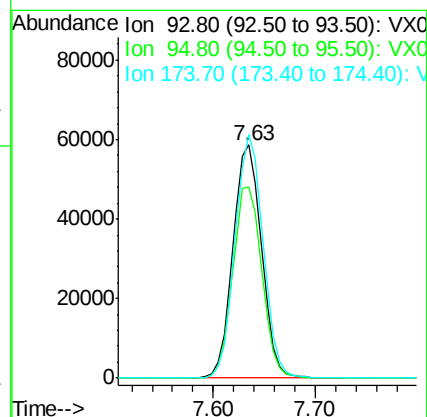
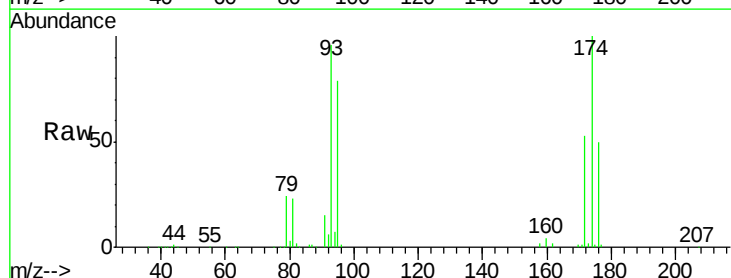
Tgt Ion: 93 Resp: 113659

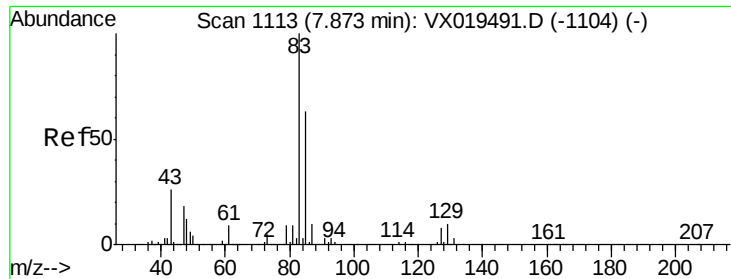
Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 102.6 83.0 124.4





#47
Bromodichloromethane
Concen: 52.403 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

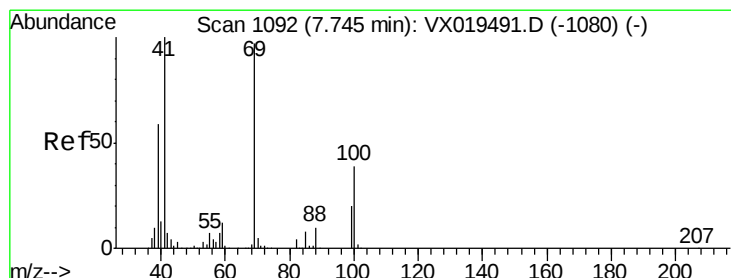
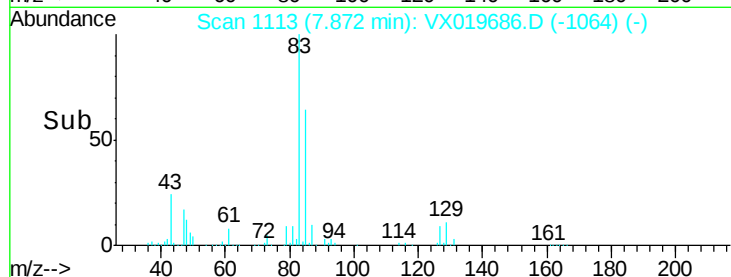
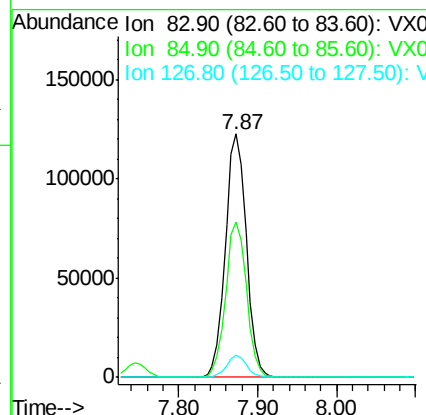
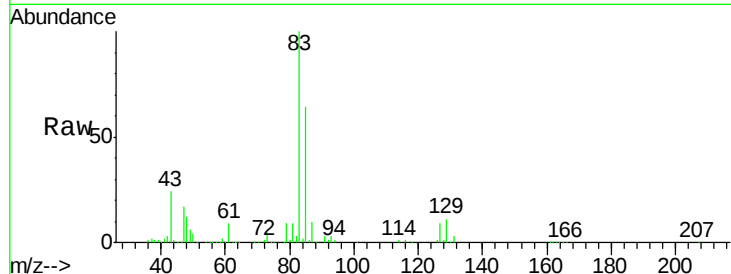
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.2
127	8.9	6.4	9.6

Manual Integrations
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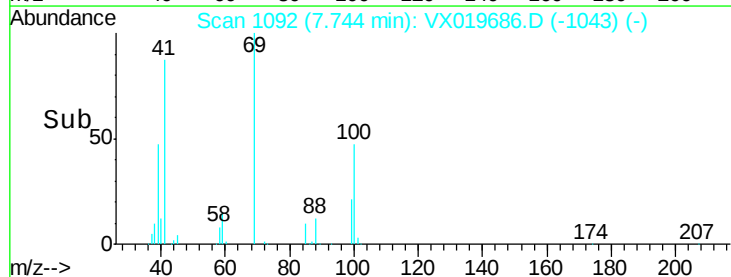
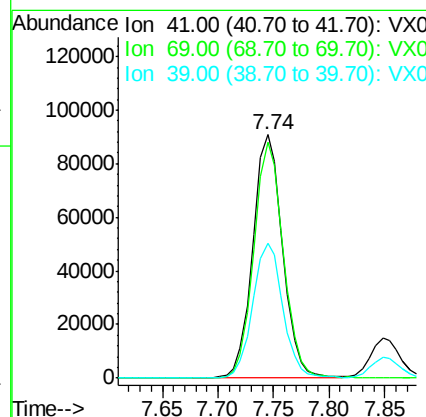
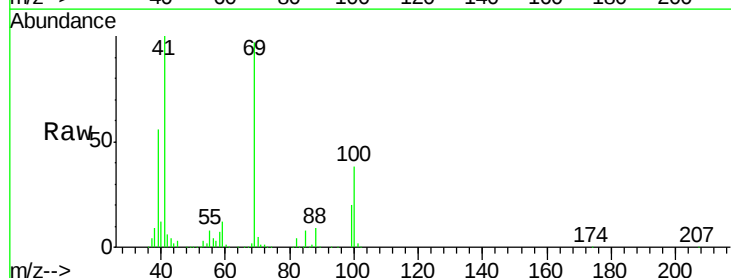
MMDadoda

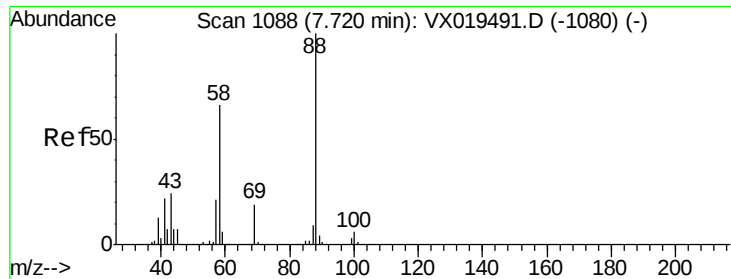
12/2/2020 12:43:58 PM



#48
Methyl methacrylate
Concen: 53.218 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.4	77.0	115.6
39	56.2	45.6	68.4





#49
1,4-Dioxane
Concen: 1083.498 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

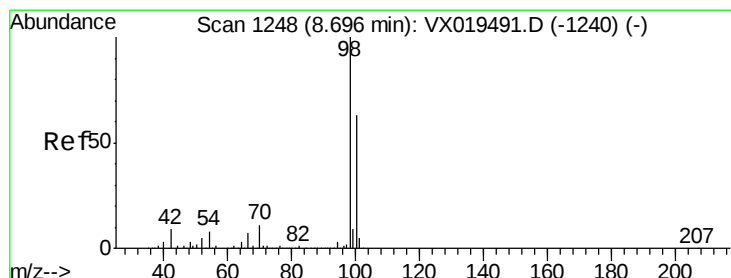
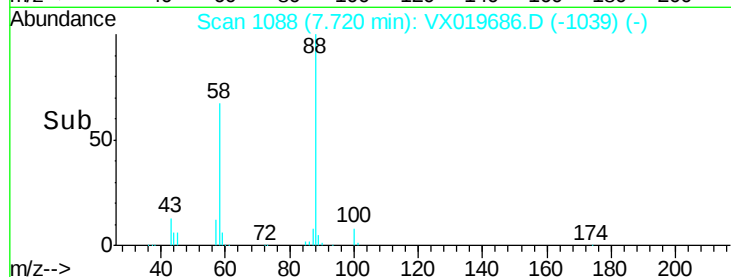
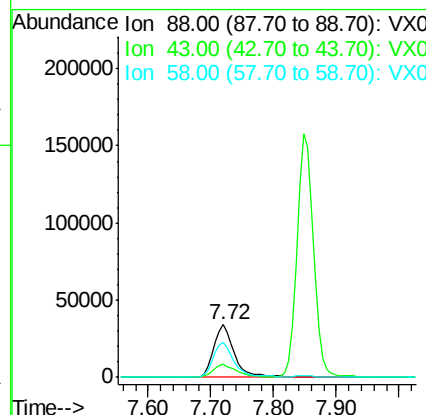
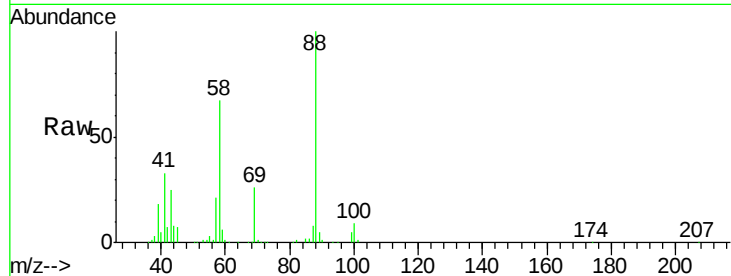
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.7	23.8	35.6
58	67.4	54.2	81.2

Manual Integrations
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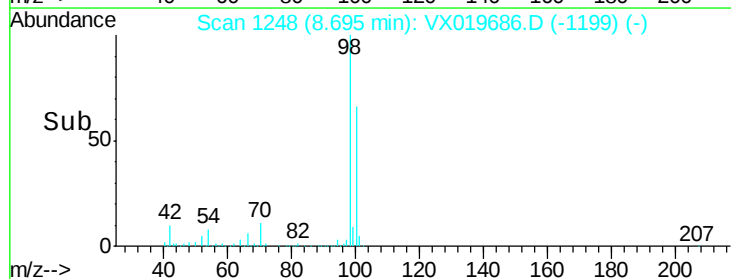
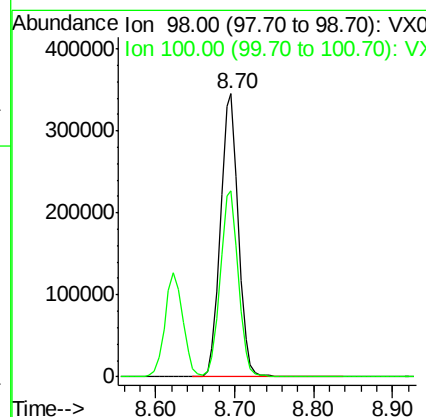
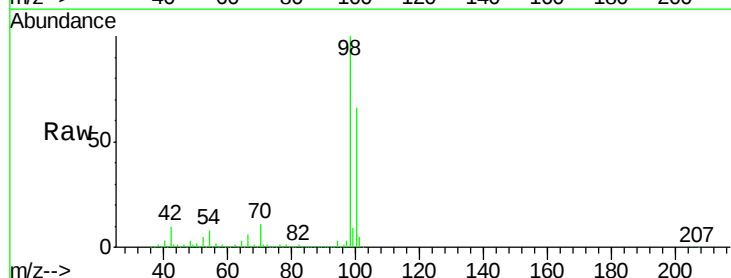
MMDadoda

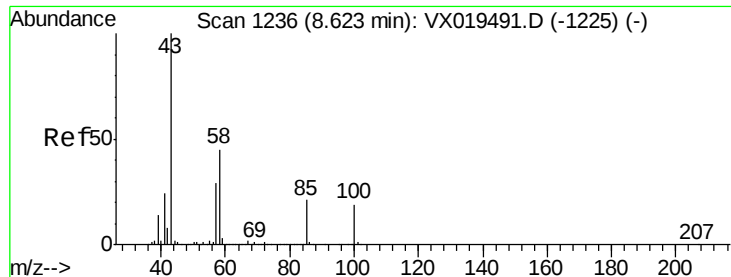
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#50
Toluene-d8
Concen: 48.431 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 263.209 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1043148

Ion Ratio Lower Upper

43 100

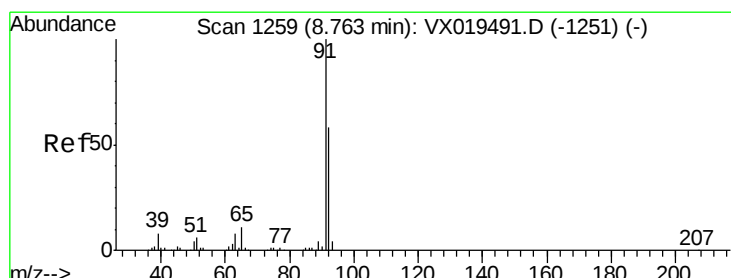
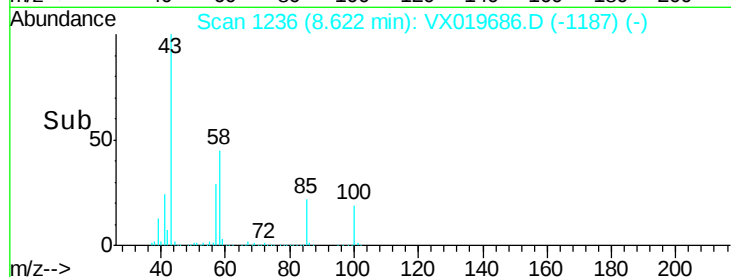
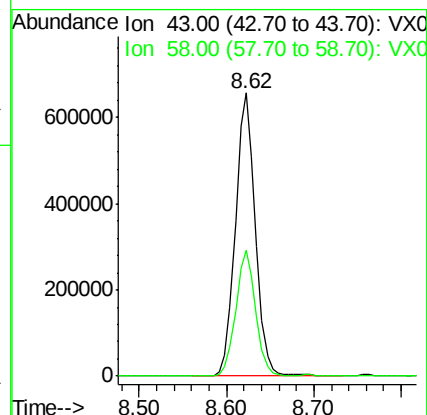
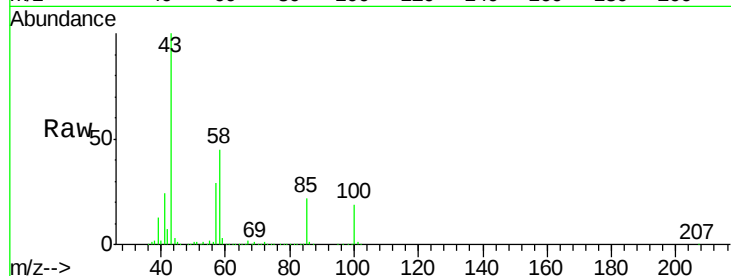
58 44.0 35.1 52.7

Manual Integrations

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#52

Toluene

Concen: 50.395 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019686.D

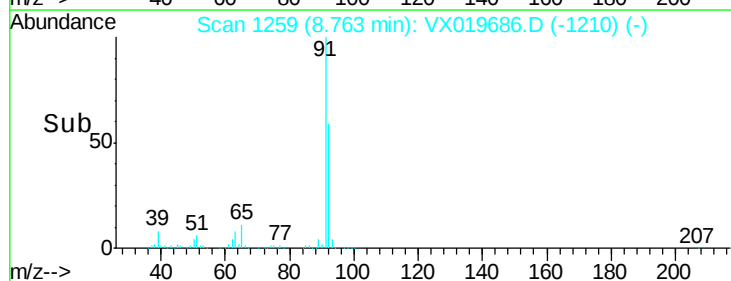
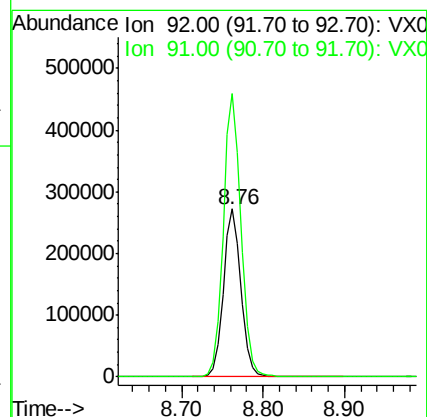
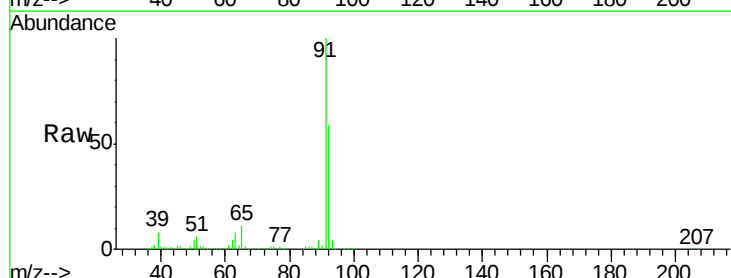
Acq: 01 Dec 2020 10:20

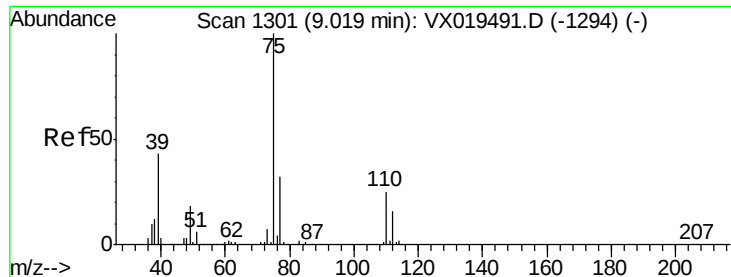
Tgt Ion: 92 Resp: 407942

Ion Ratio Lower Upper

92 100

91 170.5 138.1 207.1





#53
 t-1,3-Dichloropropene
 Concen: 52.442 ug/l
 RT: 9.02 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

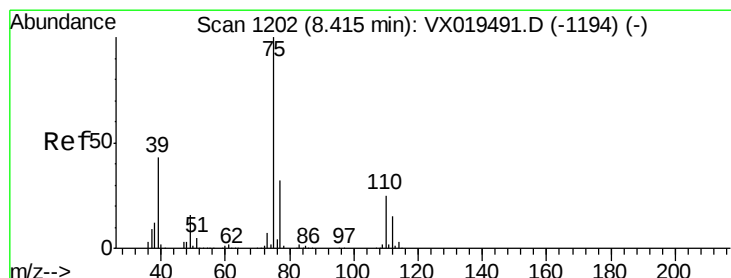
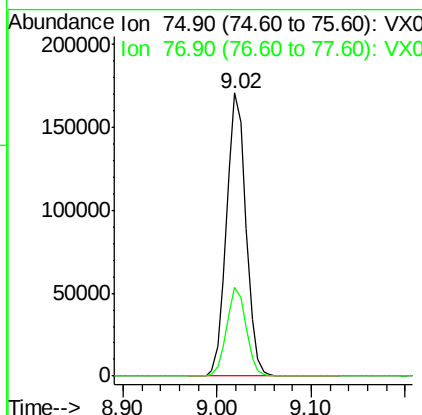
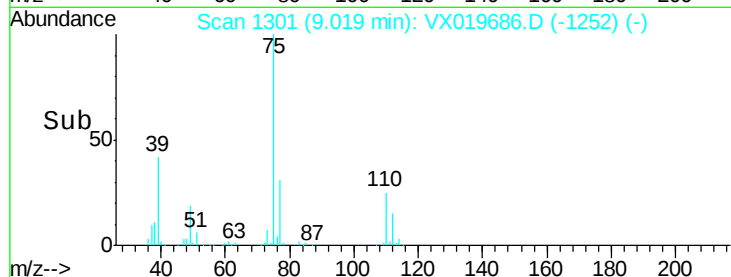
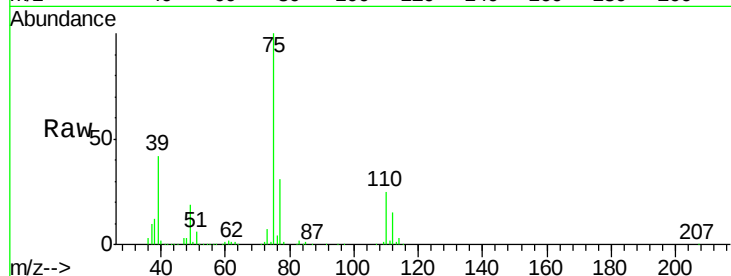
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 245030
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9

Manual Integrations
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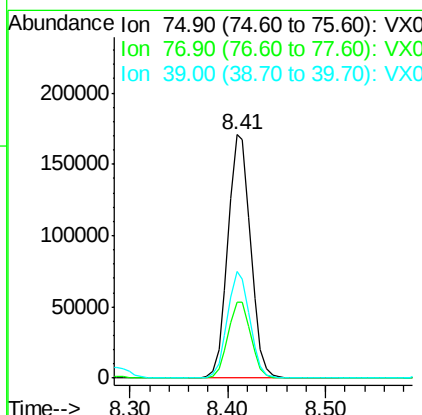
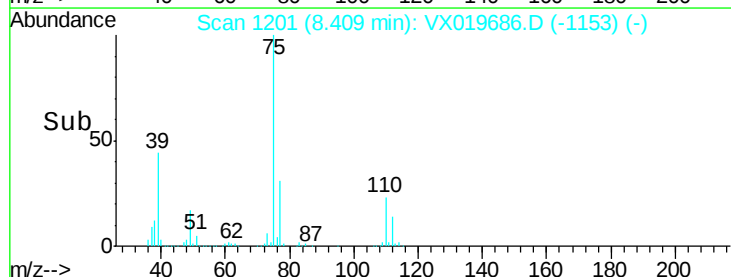
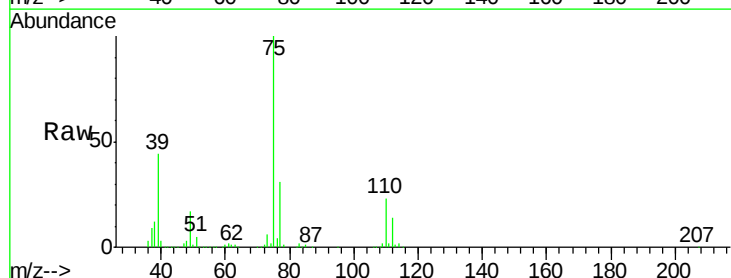
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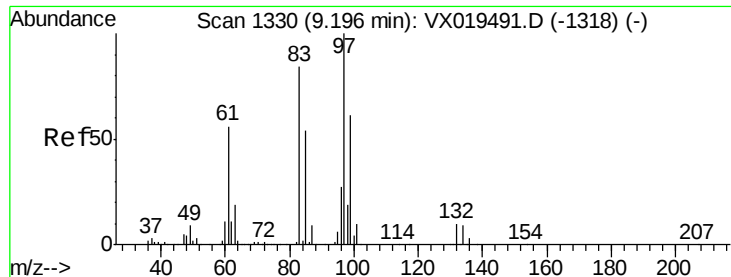
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#54
 cis-1,3-Dichloropropene
 Concen: 53.118 ug/l
 RT: 8.41 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

Tgt Ion: 75 Resp: 275426
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6
 39 43.7 34.6 51.8





#55
 1,1,2-Trichloroethane
 Concen: 50.192 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

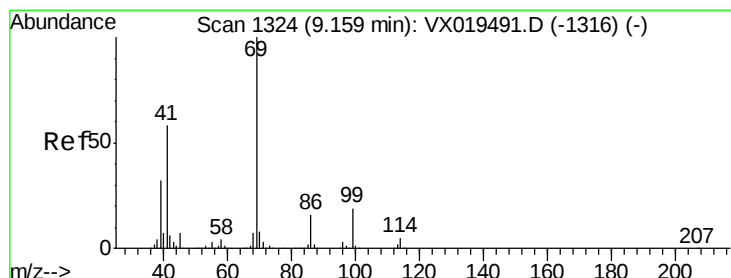
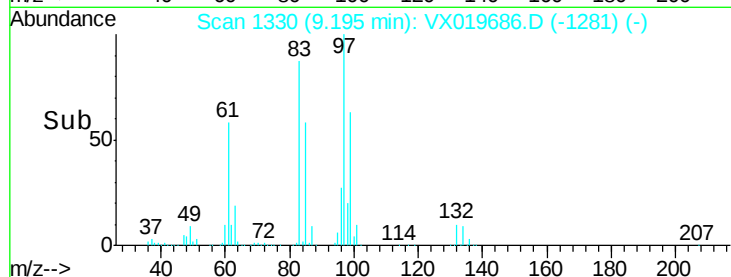
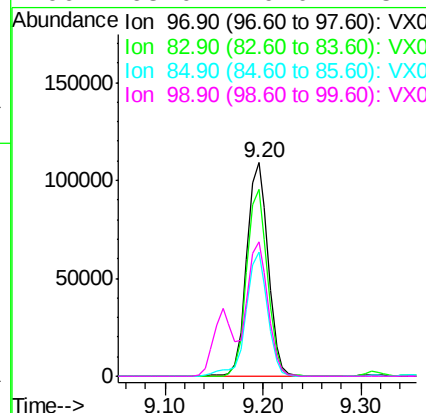
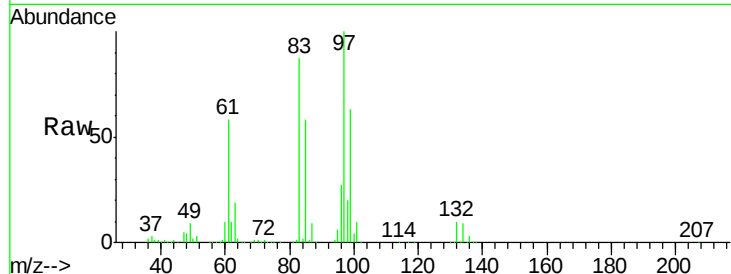
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	165469
Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.0	100.6
85	58.1	43.4	65.0
99	63.0	49.0	73.4

Manual Integrations
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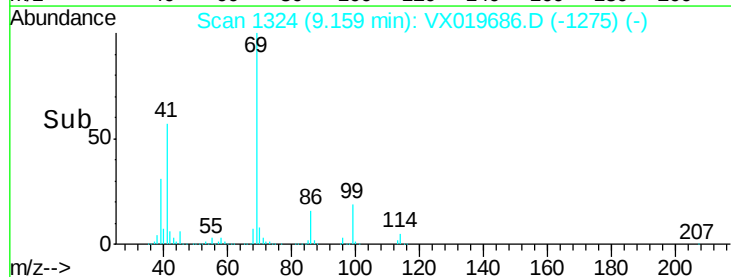
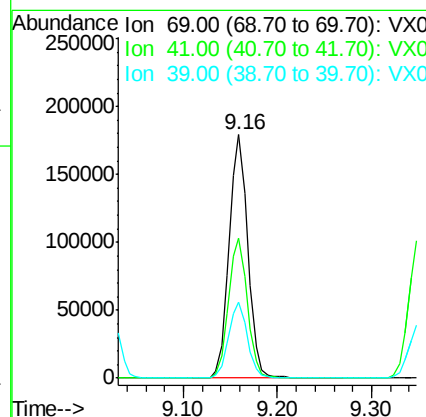
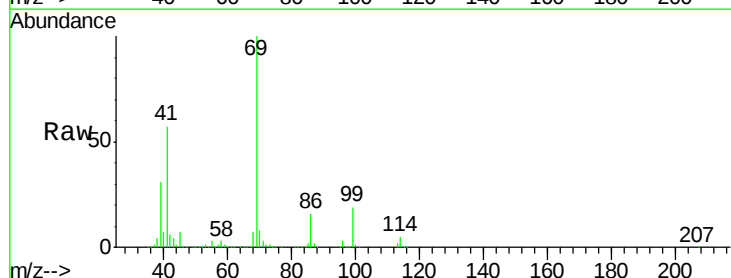
MMDadoda

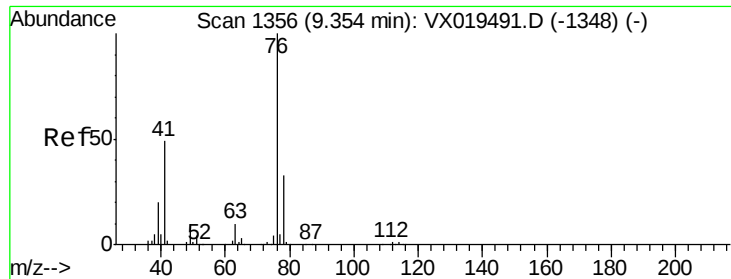
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#56
 Ethyl methacrylate
 Concen: 53.002 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

Tgt Ion:	69	Resp:	247250
Ion	Ratio	Lower	Upper
69	100		
41	57.9	46.2	69.2
39	31.2	25.5	38.3





#57
 1,3-Dichloropropane
 Concen: 50.780 ug/l
 RT: 9.35 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

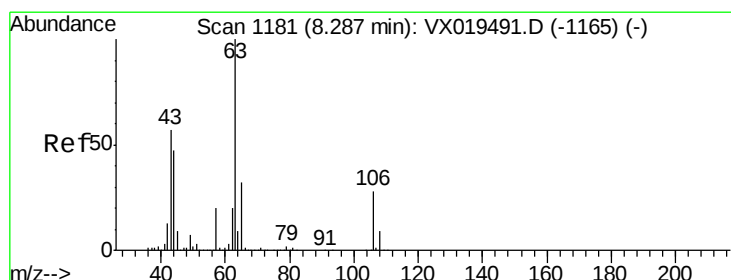
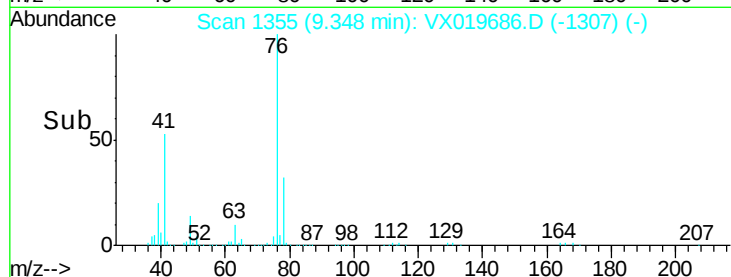
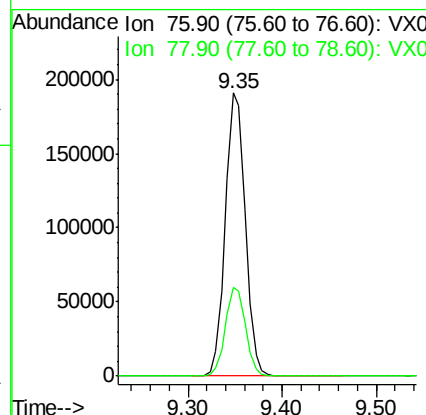
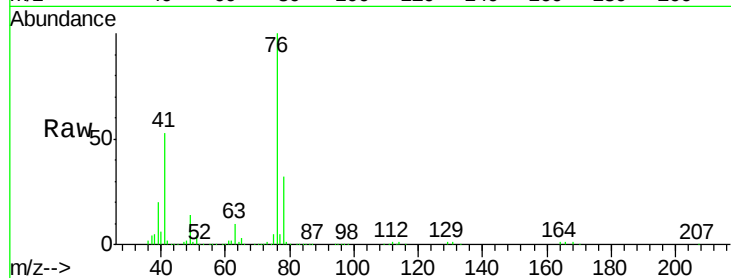
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5

Manual Integrations
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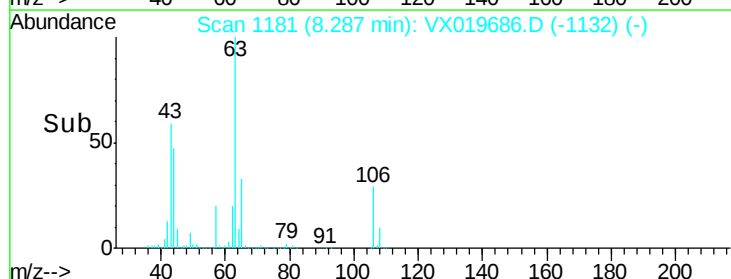
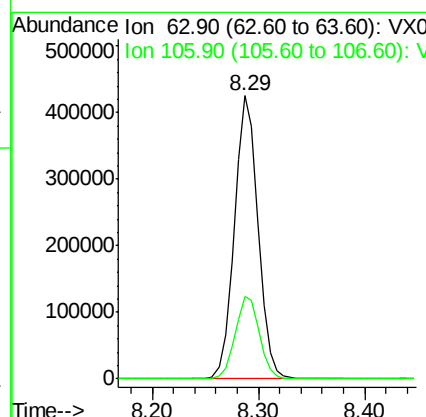
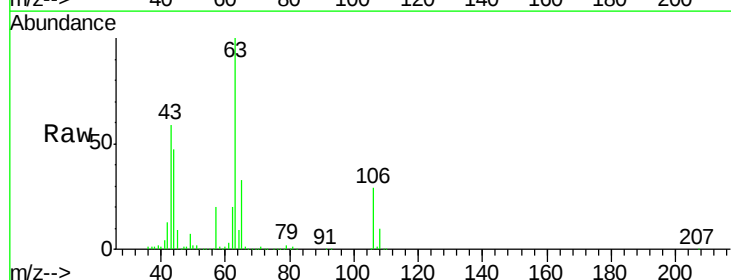
MMDadoda

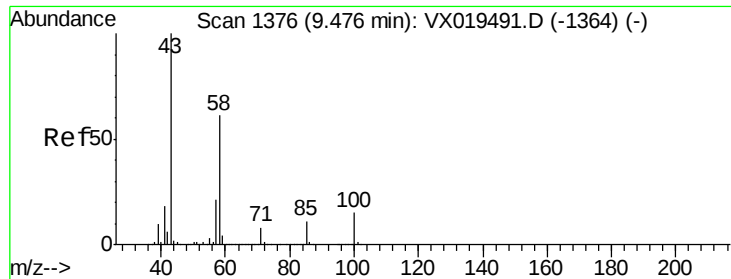
12/2/2020 12:43:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.560 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.7	35.5





#59
2-Hexanone
Concen: 269.019 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

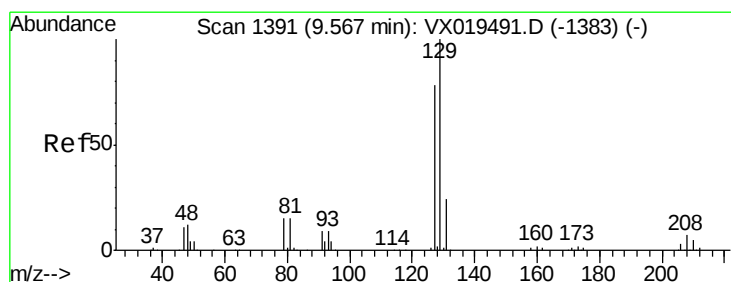
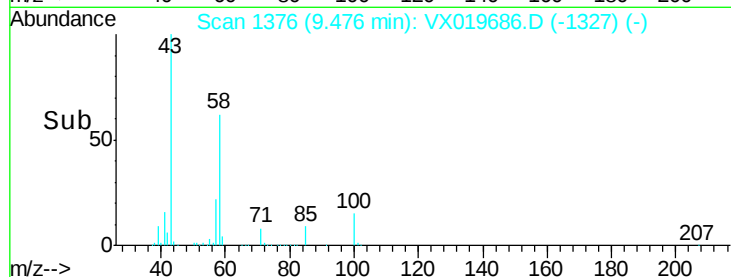
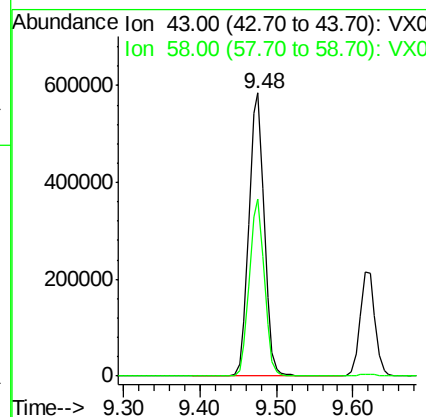
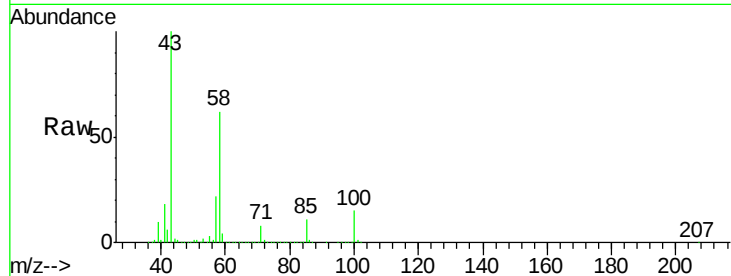
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.8	30.6	91.6

Manual Integrations
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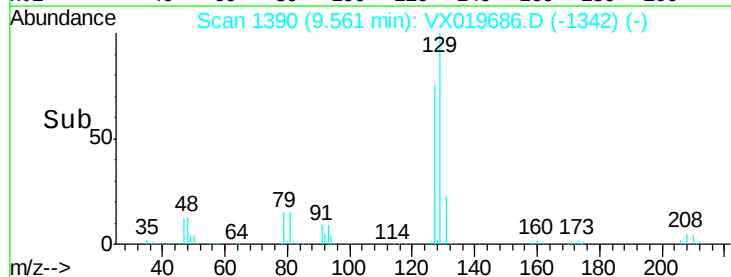
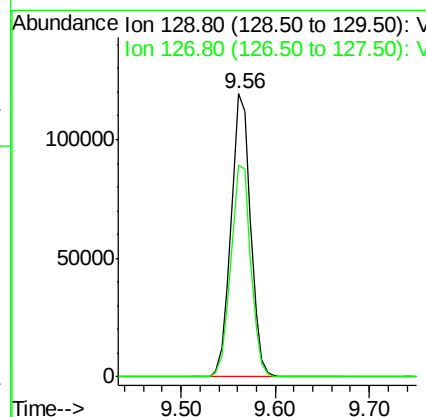
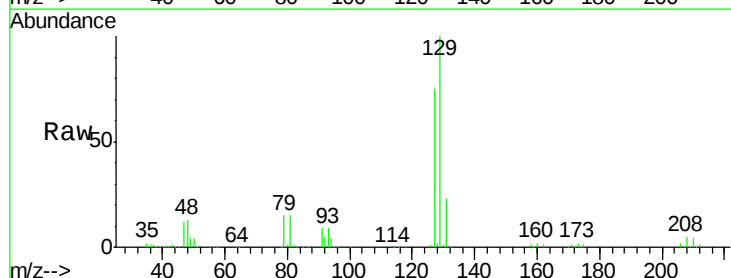
MMDadoda

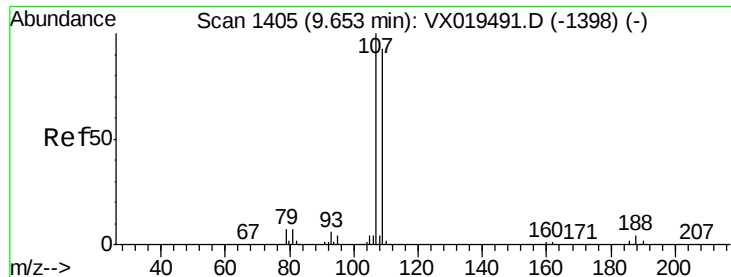
12/2/2020 12:43:58 PM



#60
Dibromochloromethane
Concen: 53.270 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.0	116.9





#61

1,2-Dibromoethane

Concen: 50.287 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 170887

Ion Ratio Lower Upper

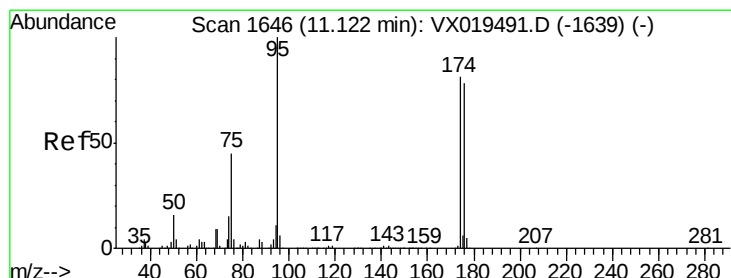
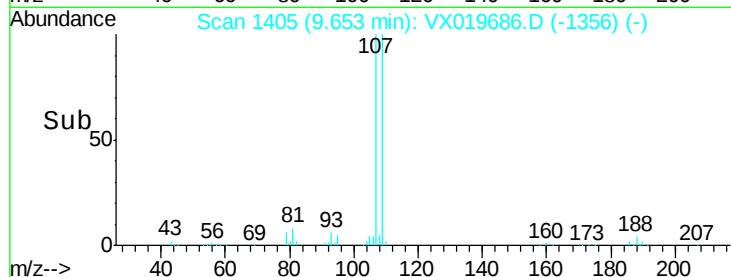
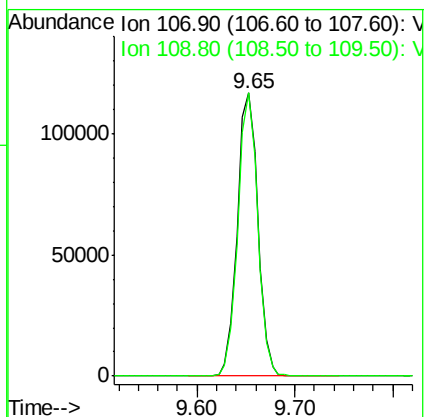
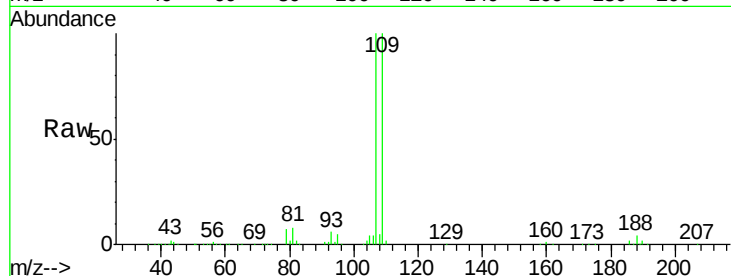
107 100

109 96.5 74.8 112.2

Manual Integrations
APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 49.688 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

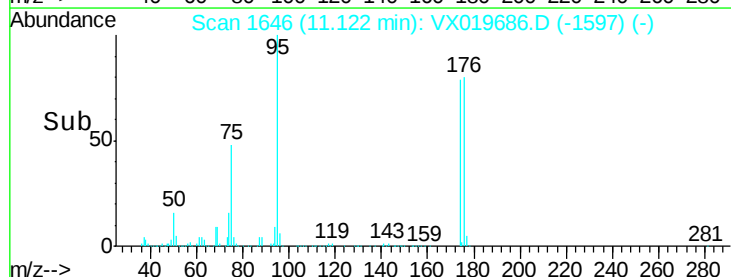
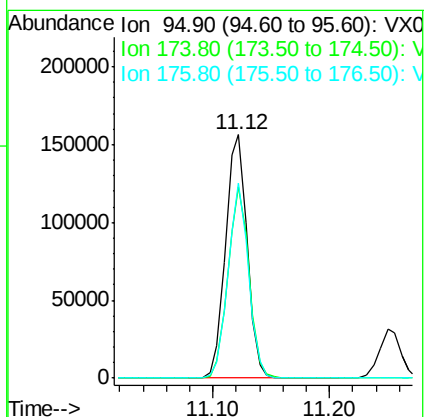
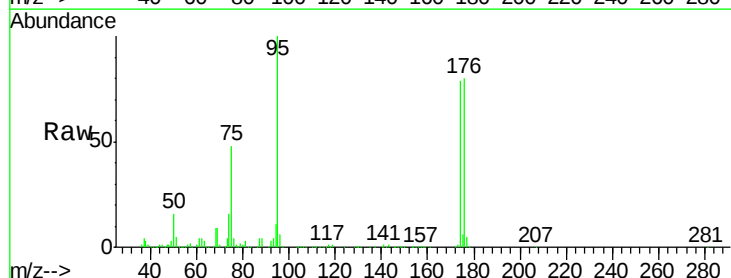
Tgt Ion: 95 Resp: 200311

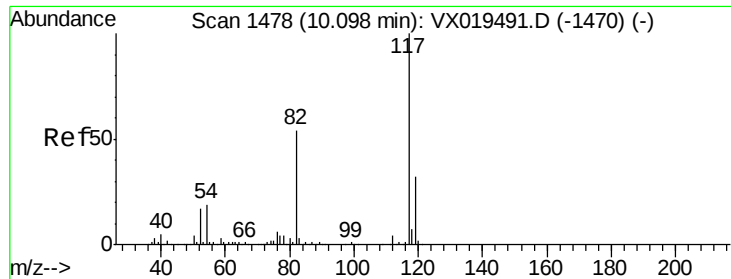
Ion Ratio Lower Upper

95 100

174 76.9 0.0 156.2

176 75.8 0.0 151.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

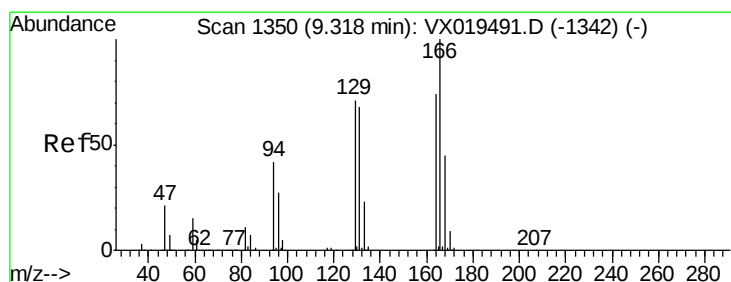
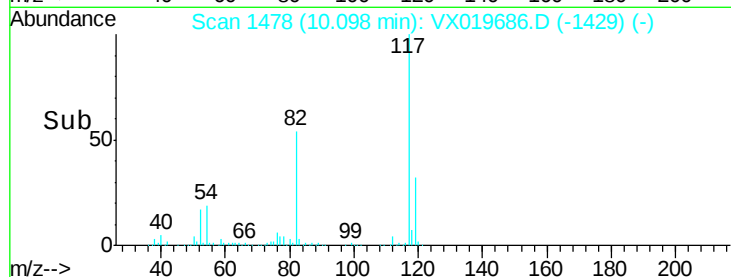
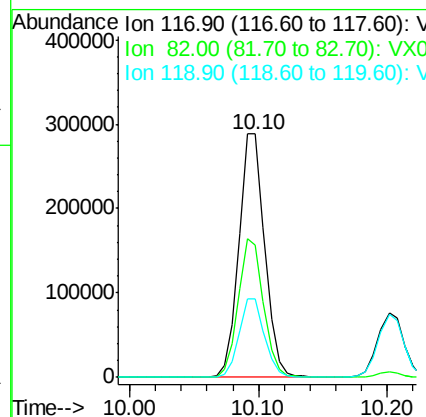
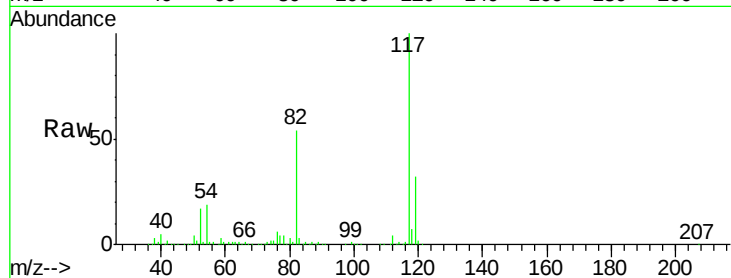
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.3	43.0	64.4
119	32.4	25.6	38.4

Manual Integrations
APPROVED

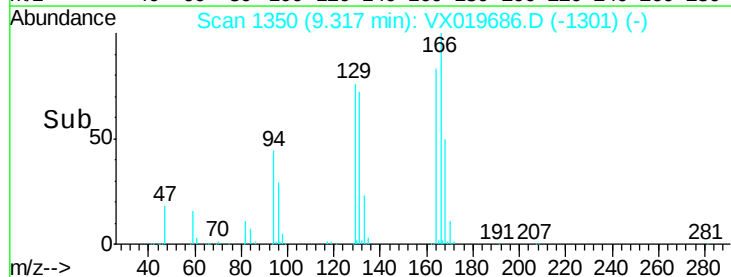
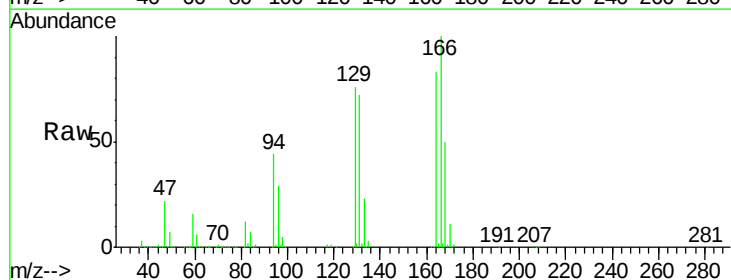
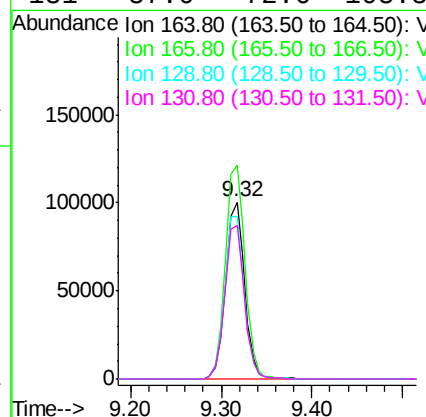
MMDadoda

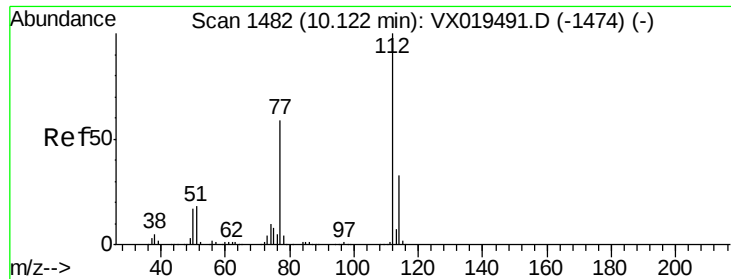
12/2/2020 12:43:58 PM



#64
Tetrachloroethene
Concen: 46.333 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	120.8	107.4	161.0
129	91.8	76.6	114.8
131	87.0	72.6	108.8





#65
Chlorobenzene
Concen: 50.646 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

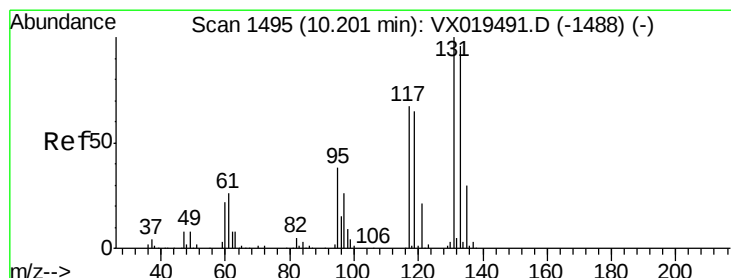
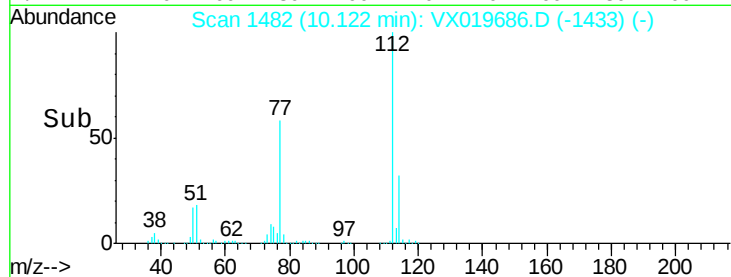
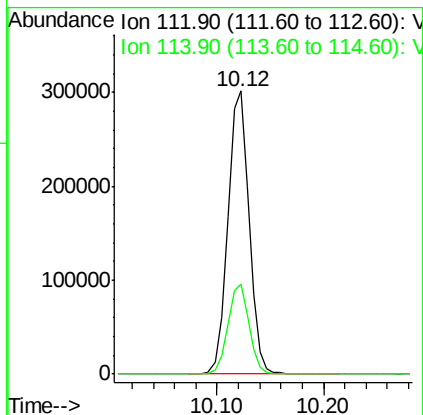
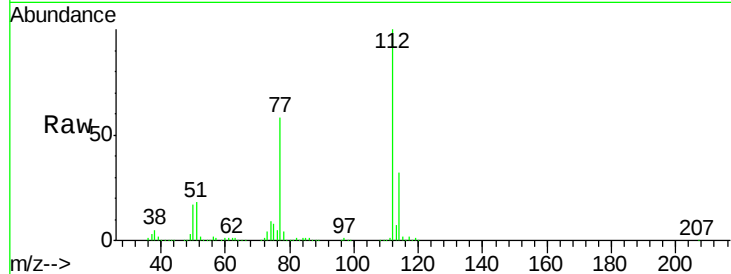
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 420004
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0

Manual Integrations
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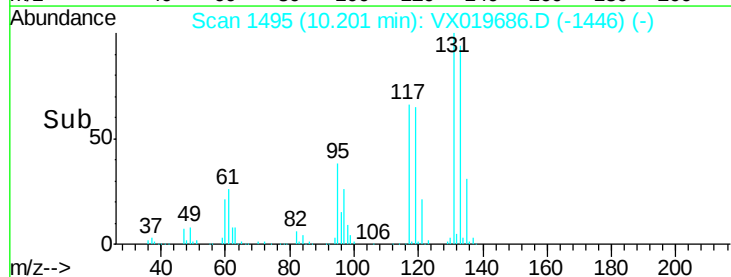
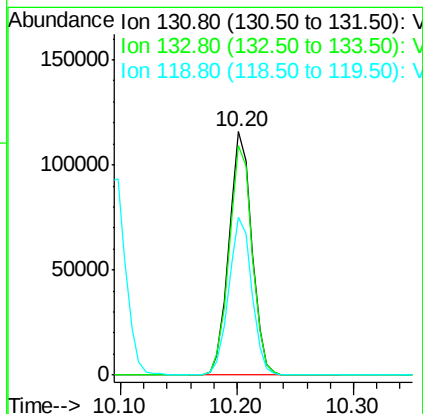
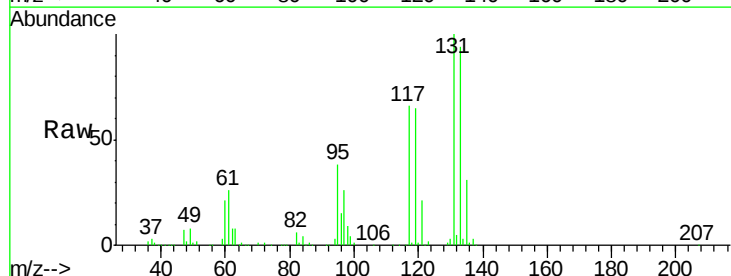
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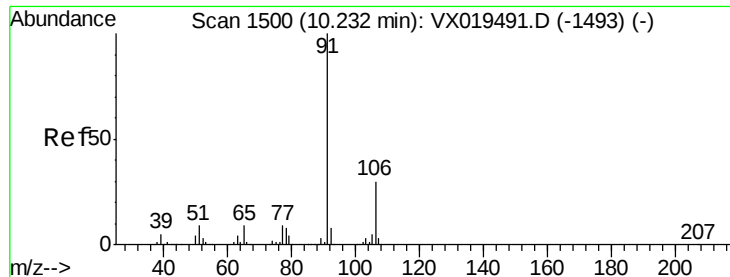
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.384 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion:131 Resp: 158013
Ion Ratio Lower Upper
131 100
133 95.2 48.5 145.5
119 65.3 33.0 99.0





#67
Ethyl Benzene
Concen: 52.311 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

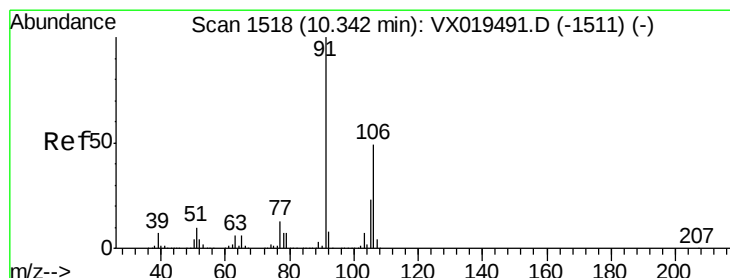
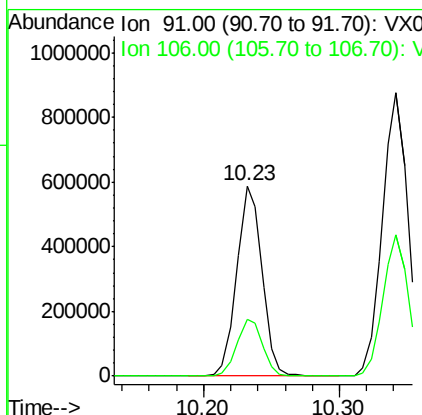
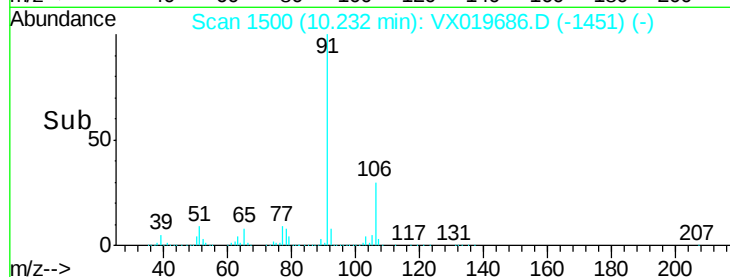
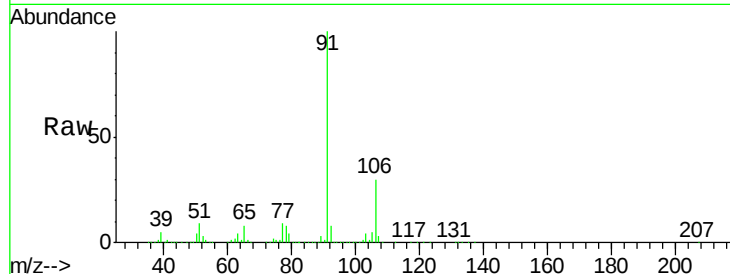
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 759960
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0

Manual Integrations
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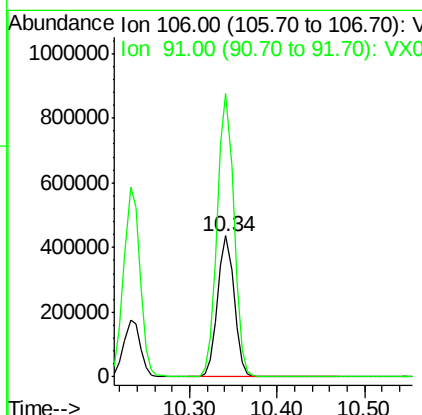
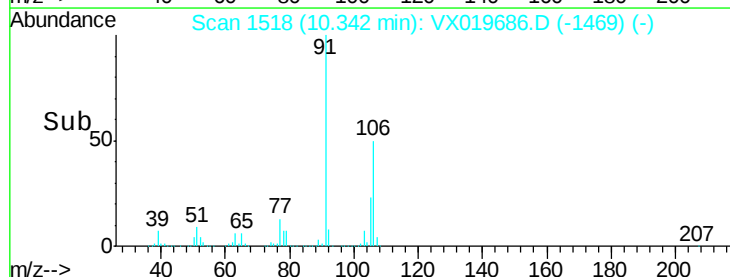
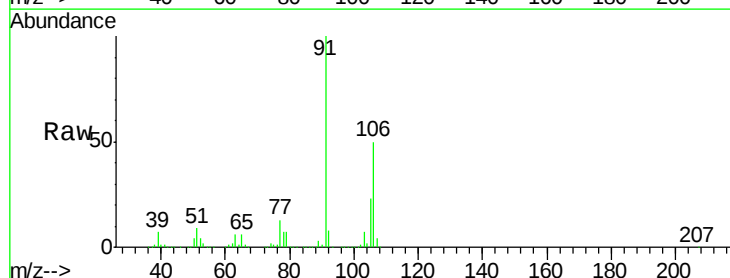
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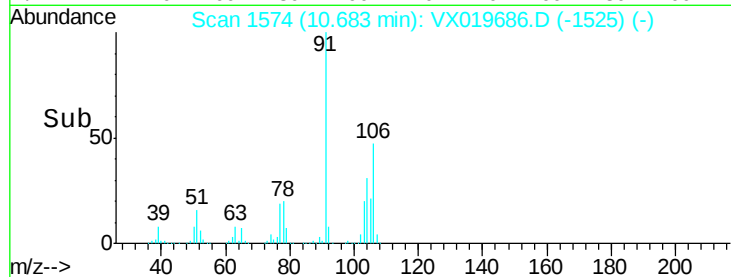
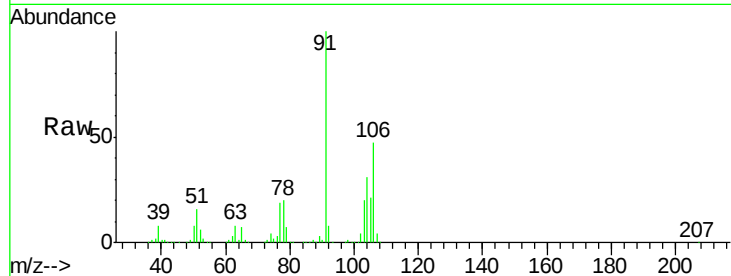
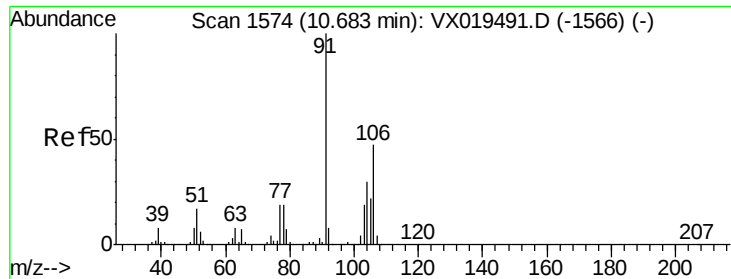
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#68
m/p-Xylenes
Concen: 105.290 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion: 106 Resp: 569882
Ion Ratio Lower Upper
106 100
91 202.6 163.3 244.9





#69
o-Xylene
Concen: 52.731 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

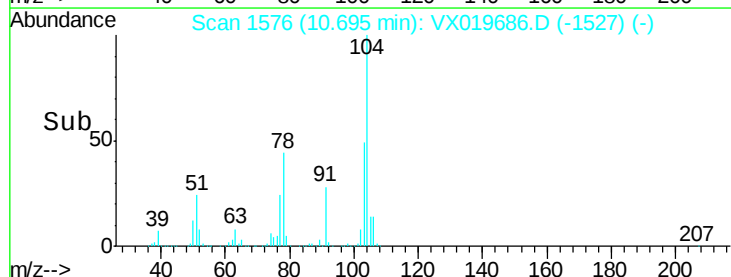
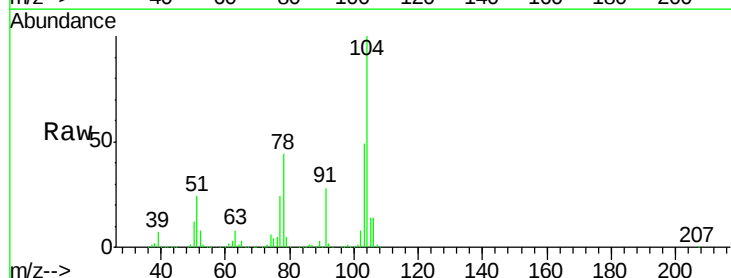
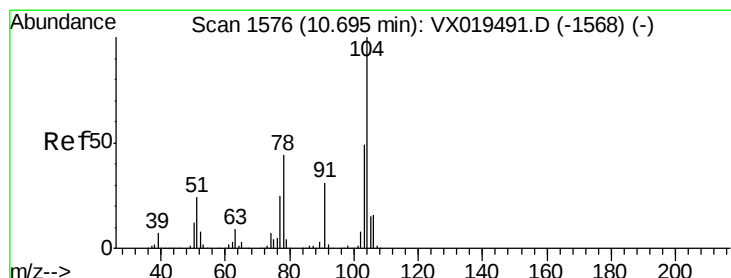
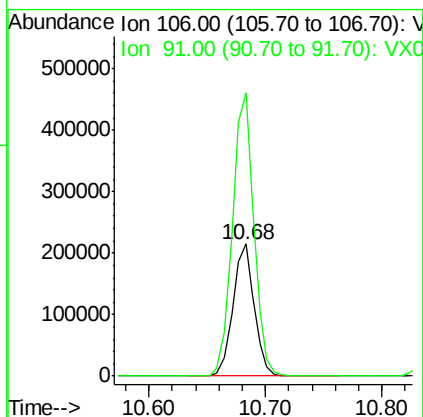
Tot Ion: 106 Resp: 272829
Ion Ratio Lower Upper
106 100
91 216.2 108.0 324.0

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Manual Integrations
APPROVED

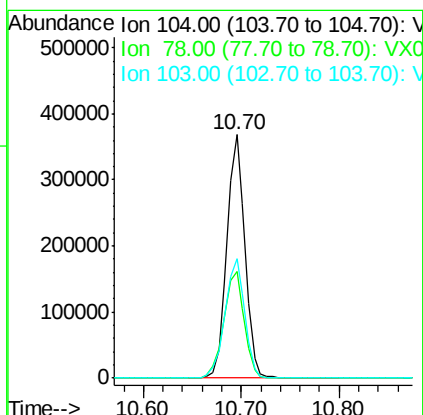
MMDadoda

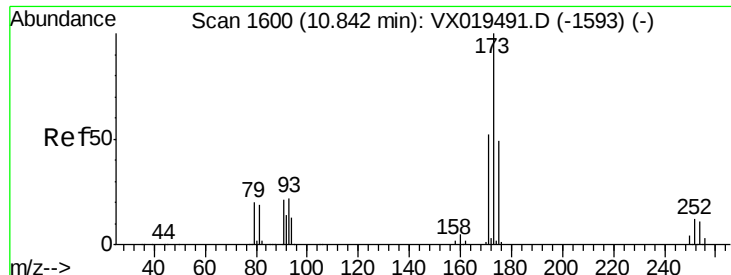
12/2/2020 12:43:58 PM



#70
Styrene
Concen: 49.293 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion: 104 Resp: 471866
Ion Ratio Lower Upper
104 100
78 49.6 39.5 59.3
103 54.0 43.6 65.4





#71

Bromoform

Concen: 48.895 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 124720

Ion Ratio Lower Upper

173 100

175 48.2 24.9 74.8

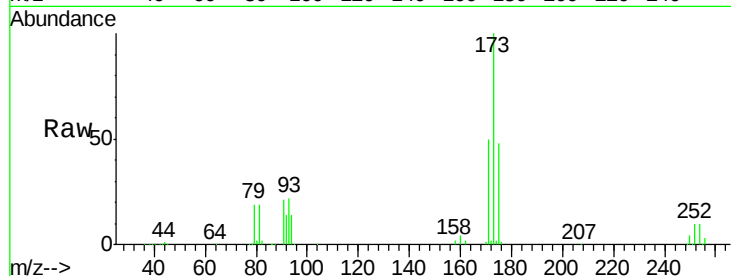
254 0.1 0.1 0.1

Manual Integrations

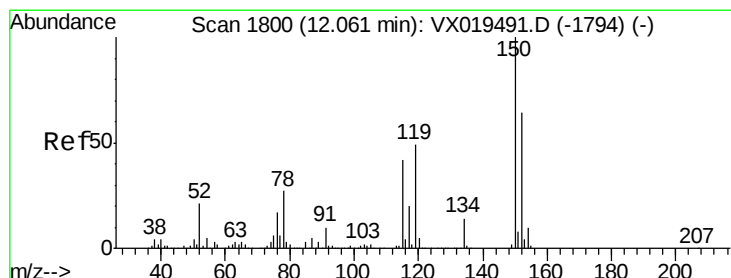
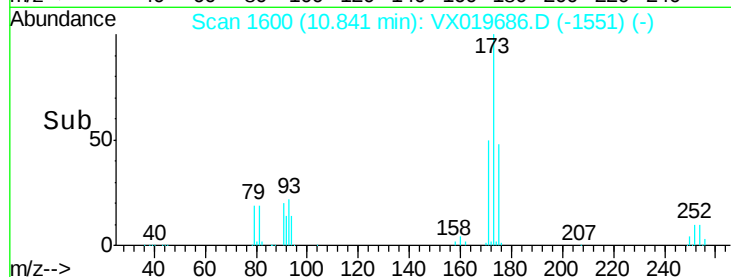
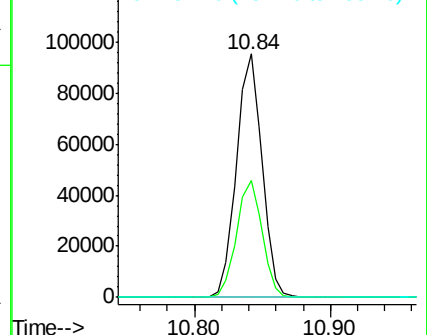
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

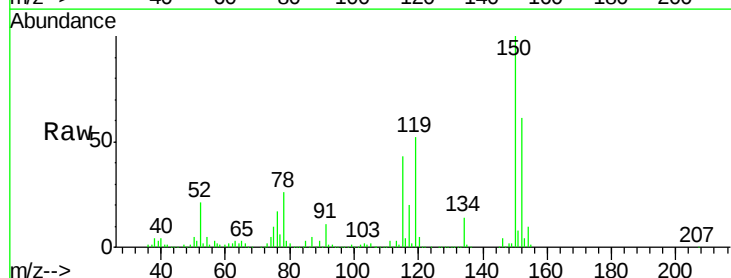
Tgt Ion:152 Resp: 201682

Ion Ratio Lower Upper

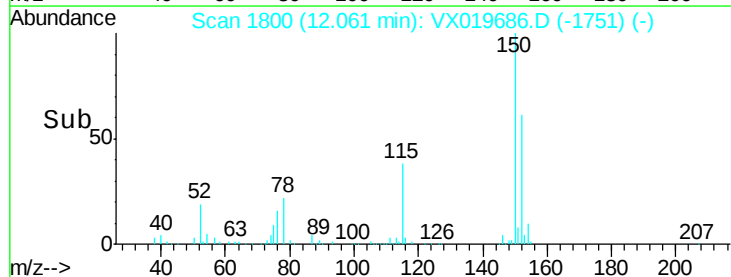
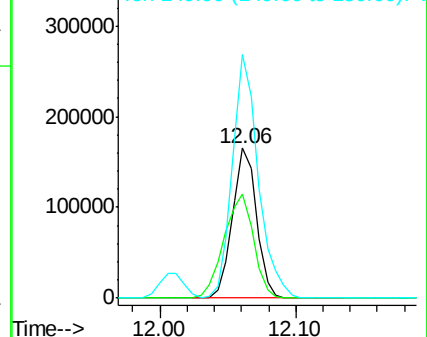
152 100

115 85.2 41.8 125.4

150 176.0 0.0 348.2



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: 52.815 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 736873

Ion Ratio Lower Upper

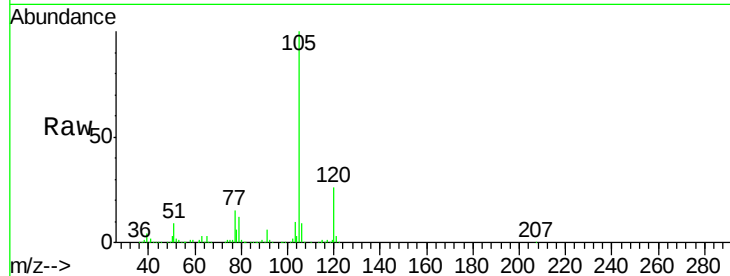
105 100

120 26.0 13.0 39.0

Manual Integrations
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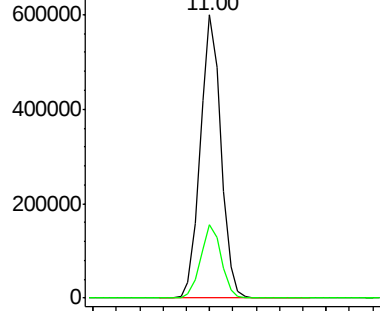
MMDadoda

12/2/2020 12:43:58 PM

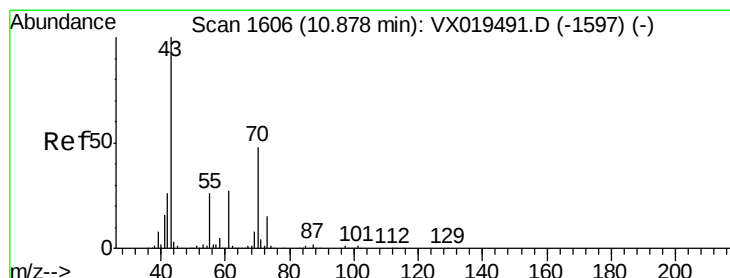
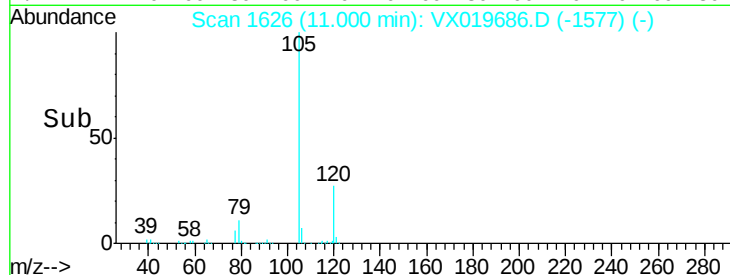


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 55.408 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Tgt Ion: 43 Resp: 289672

Ion Ratio Lower Upper

43 100

70 49.7 39.7 59.5

55 27.5 21.8 32.6

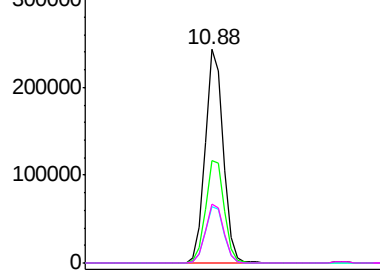
61 28.0 22.2 33.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

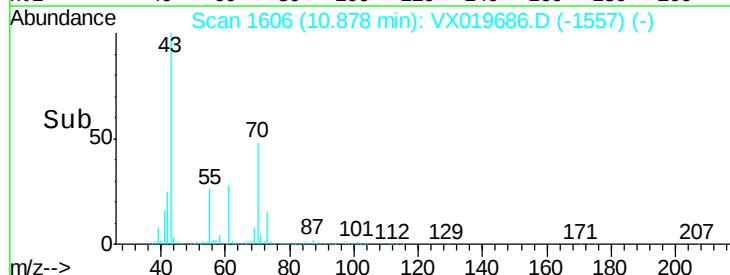
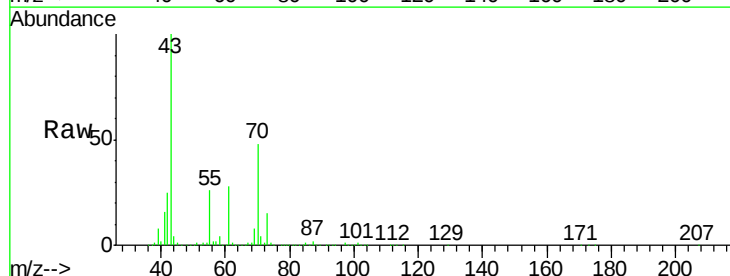
Ion 70.00 (69.70 to 70.70): VX0

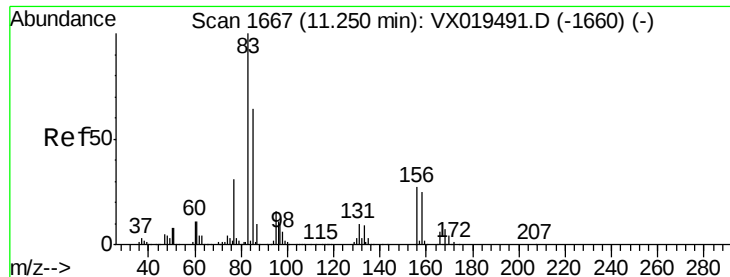
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.431 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 261594
Ion Ratio Lower Upper

83 100

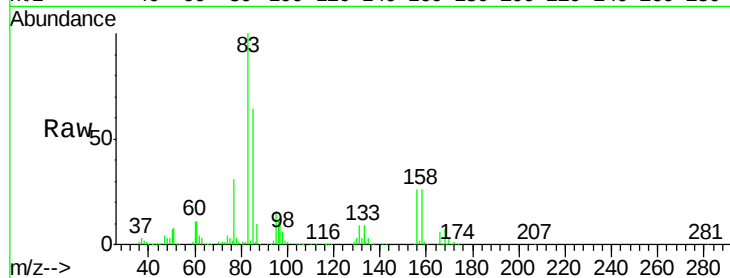
131 9.8 5.0 15.0

85 63.8 32.4 97.2

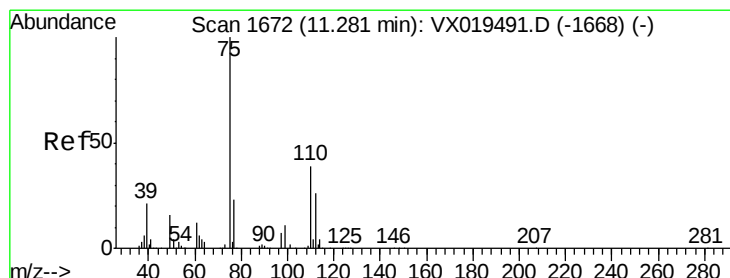
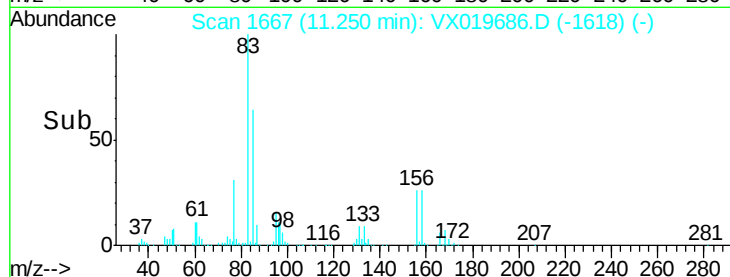
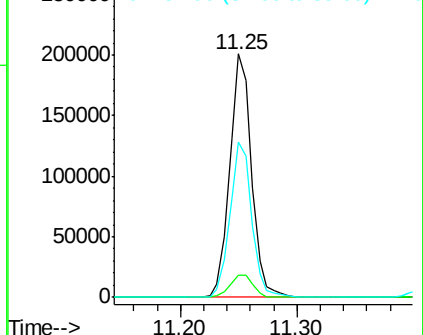
Manual Integrations
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12/2/2020 12:43:58 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): VX0
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 53.354 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

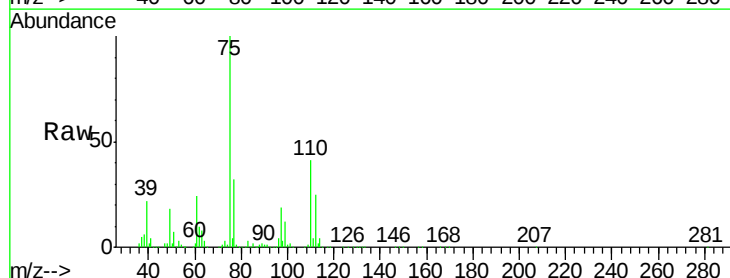
Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

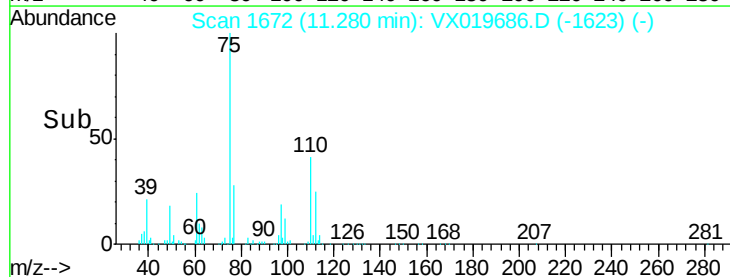
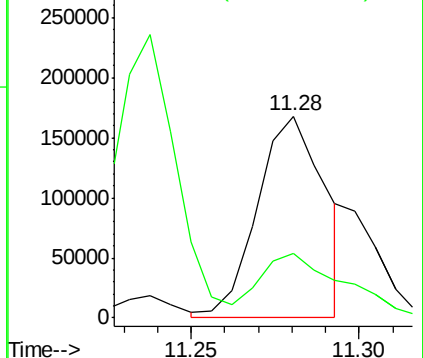
Tgt Ion: 75 Resp: 234831
Ion Ratio Lower Upper

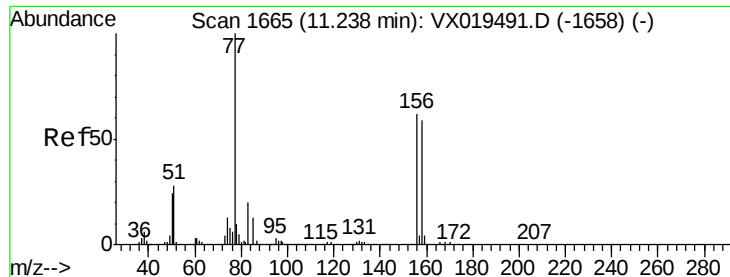
75 100

77 39.6 20.0 60.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.739 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

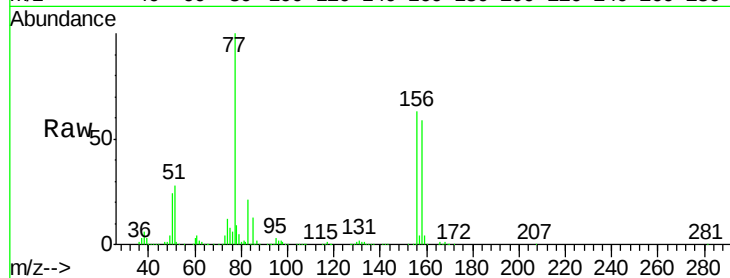
VSTDCCC050

Tot Ion:	156	Resp:	184277
Ion Ratio	Lower	Upper	
156	100		
77	162.9	82.5	247.3
158	96.8	48.9	146.7

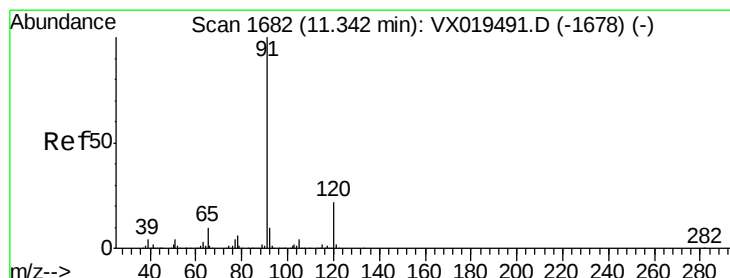
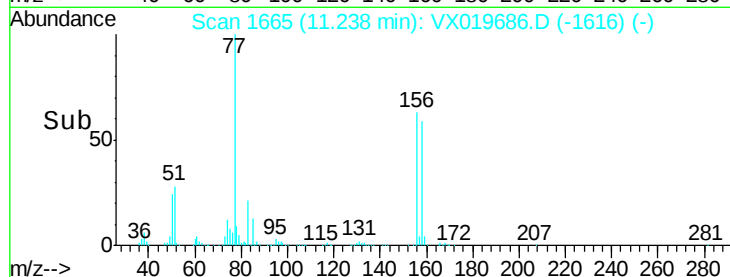
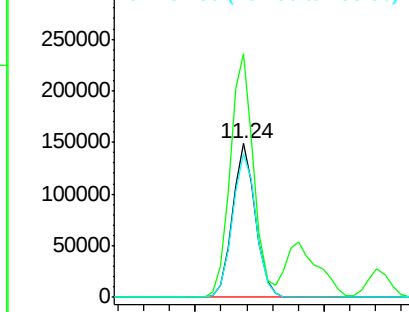
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.871 ug/l

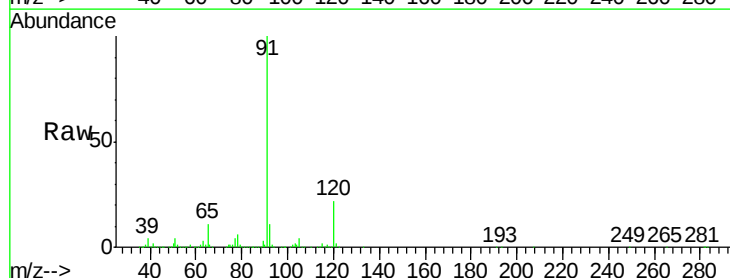
RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

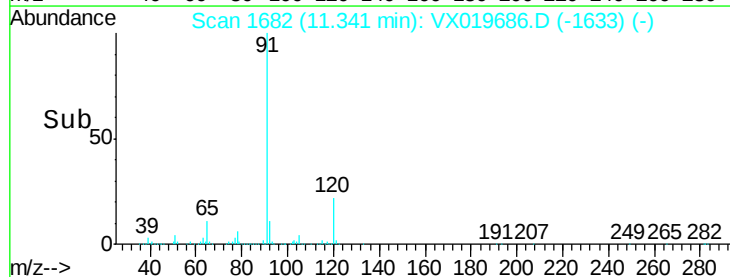
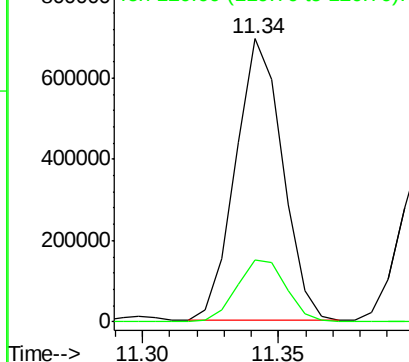
Lab File: VX019686.D

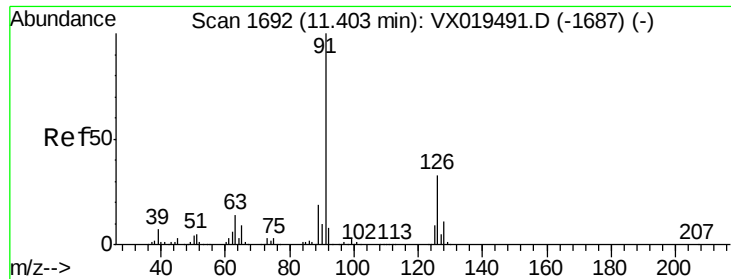
Acq: 01 Dec 2020 10:20

Tgt Ion:	91	Resp:	830226
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.427 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 508902

Ion Ratio Lower Upper

91 100

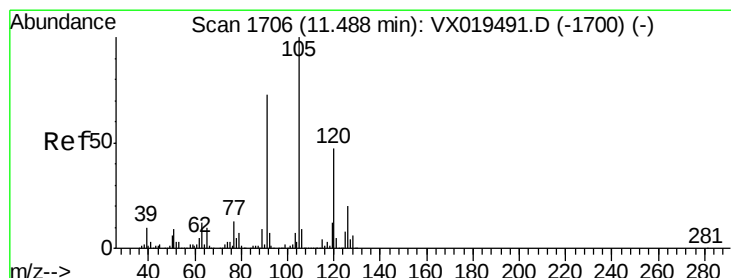
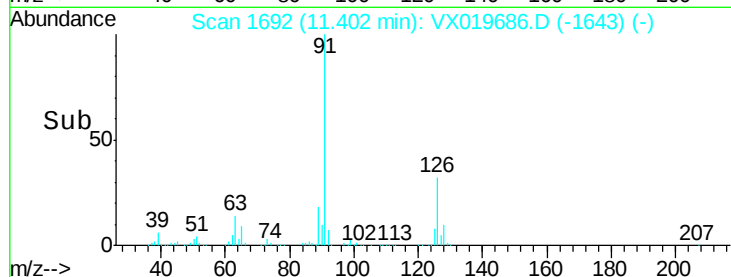
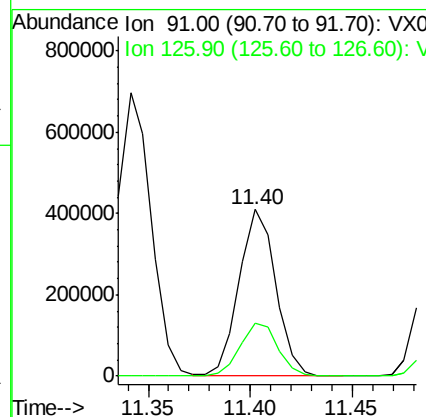
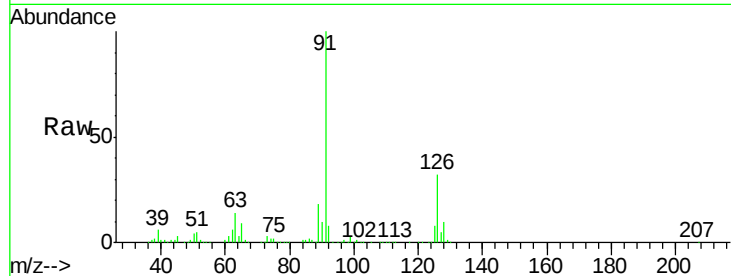
126 33.2 16.7 50.0

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#80

1,3,5-Trimethylbenzene

Concen: 53.306 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019686.D

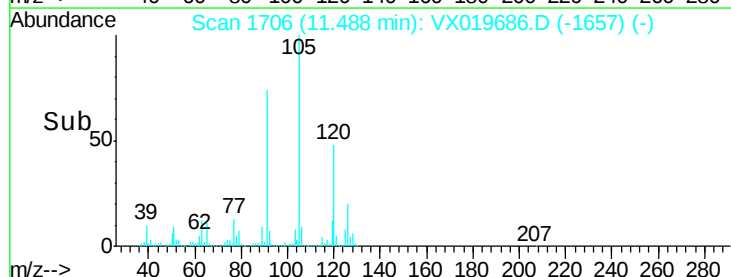
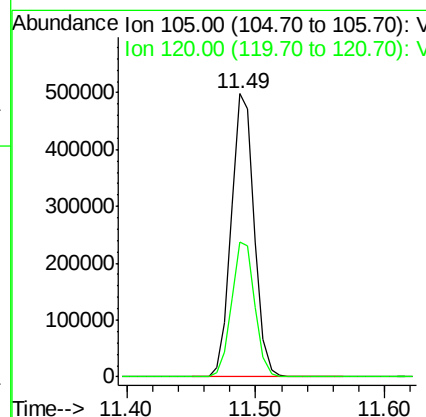
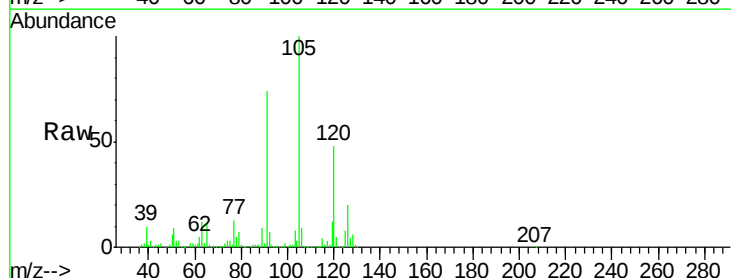
Acq: 01 Dec 2020 10:20

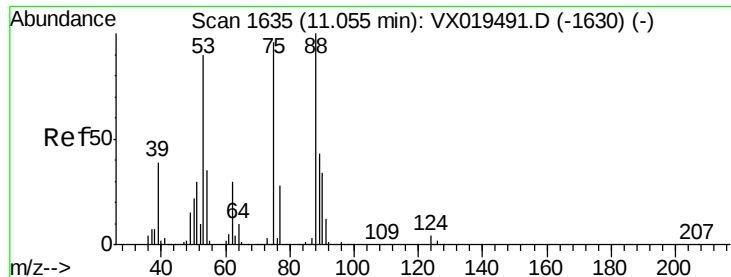
Tgt Ion: 105 Resp: 623885

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 51.495 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

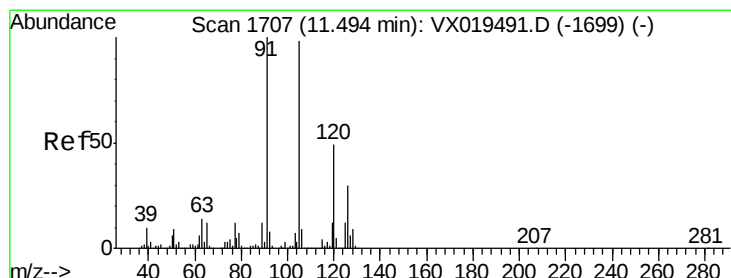
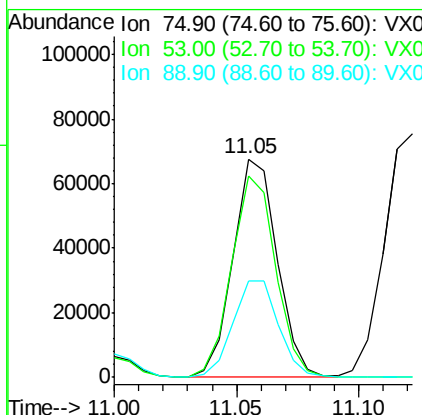
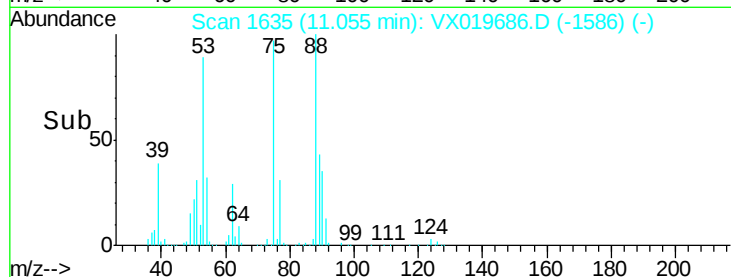
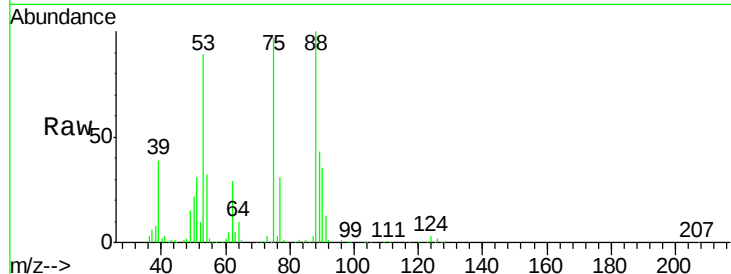
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	73.9	110.9
89	46.4	37.3	55.9

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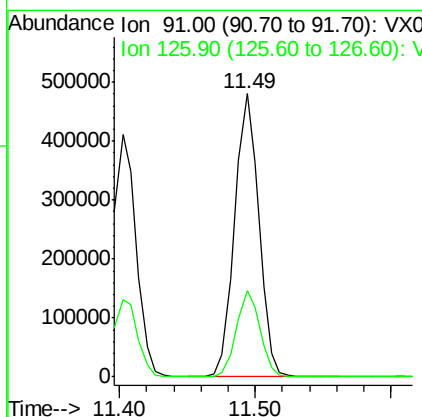
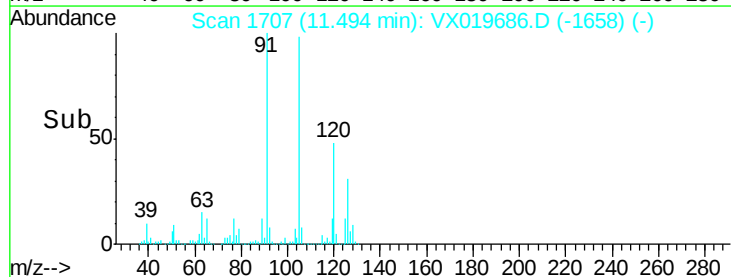
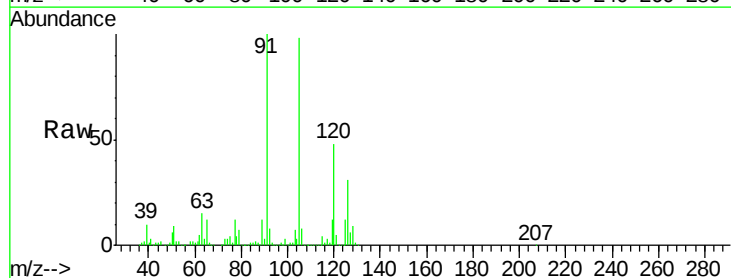
MMDadoda

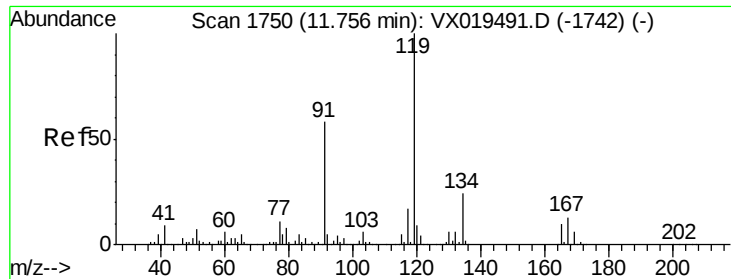
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#82
4-Chlorotoluene
Concen: 52.053 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.9	44.7





#83
tert-Butylbenzene
Concen: 53.788 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

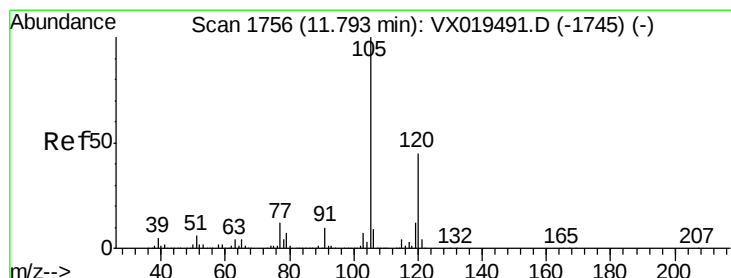
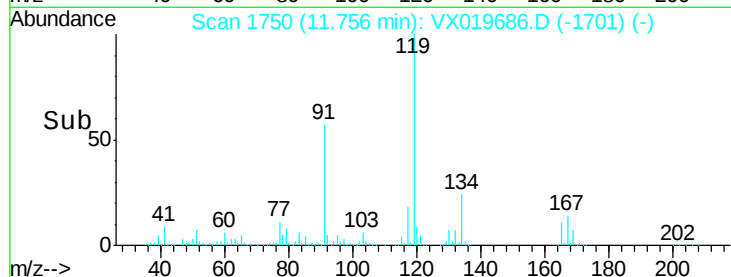
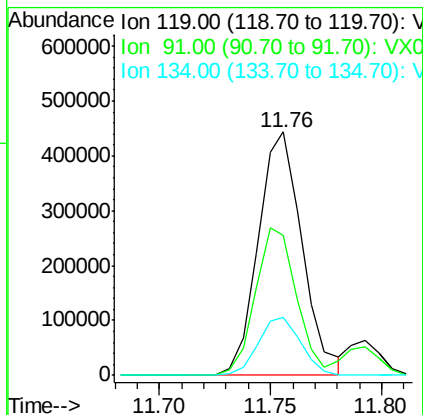
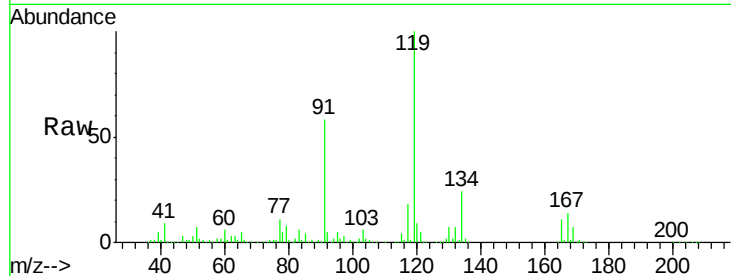
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	609046		
91	56.8		28.9	86.8
134	23.0		11.7	35.0

Manual Integrations
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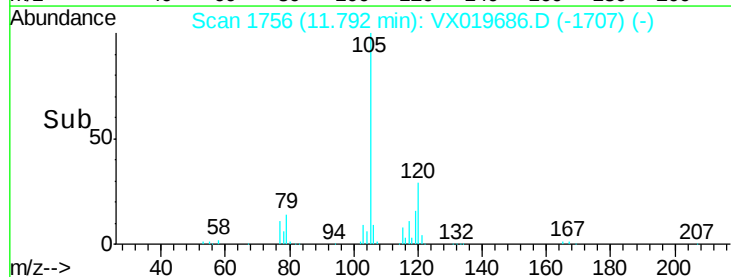
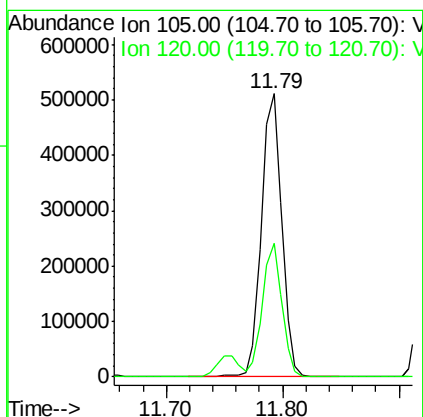
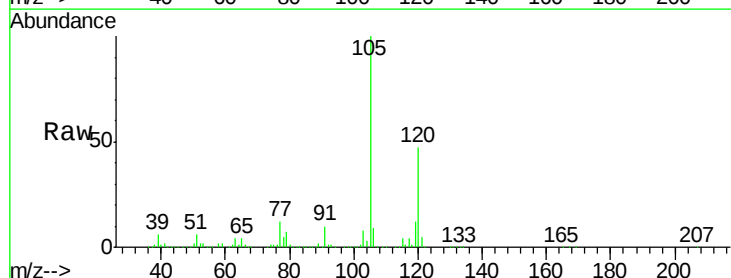
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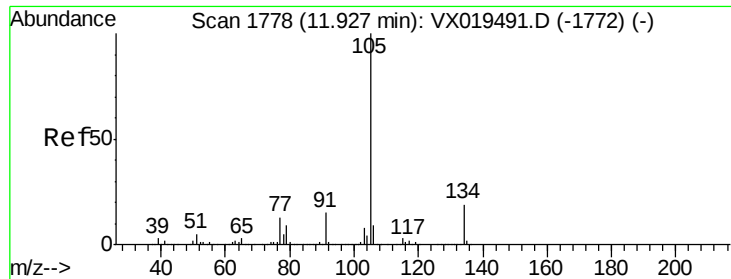
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#84
1,2,4-Trimethylbenzene
Concen: 53.051 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	628244		
120	45.3		22.2	66.6





#85
 sec-Butylbenzene
 Concen: 52.672 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

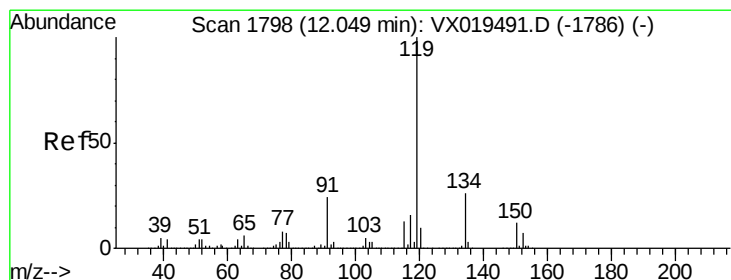
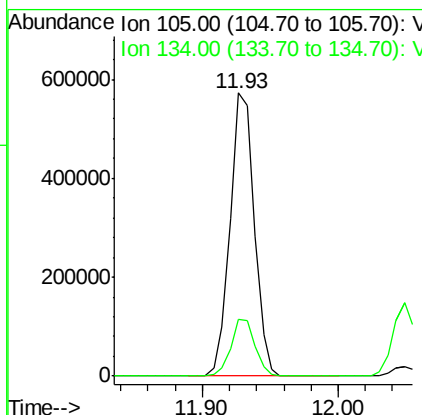
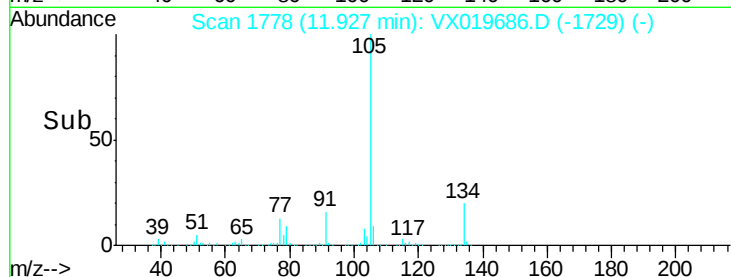
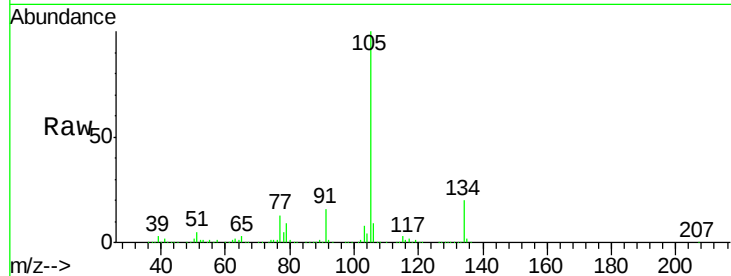
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.3

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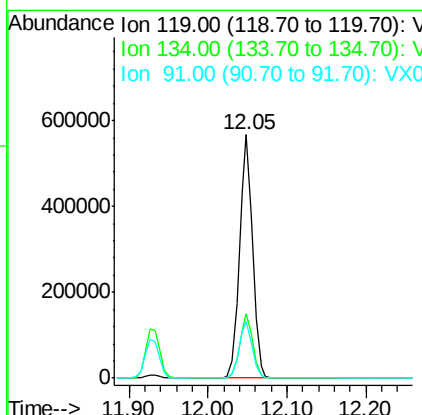
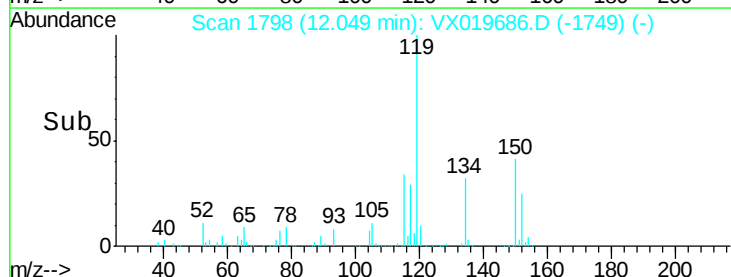
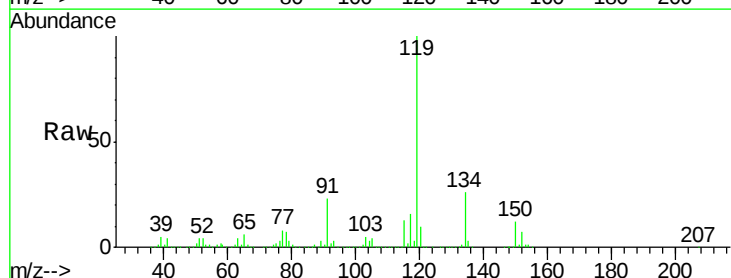
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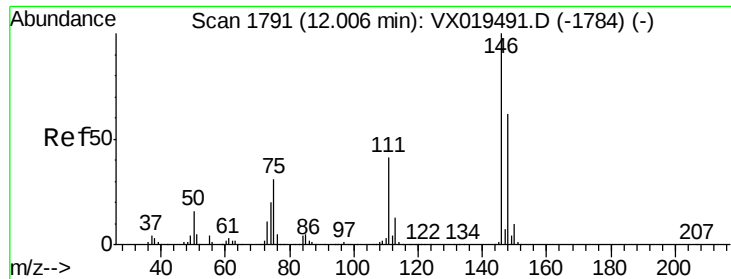
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#86
 p-Isopropyltoluene
 Concen: 53.235 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	23.6	11.8	35.4





#87
 1,3-Dichlorobenzene
 Concen: 51.819 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

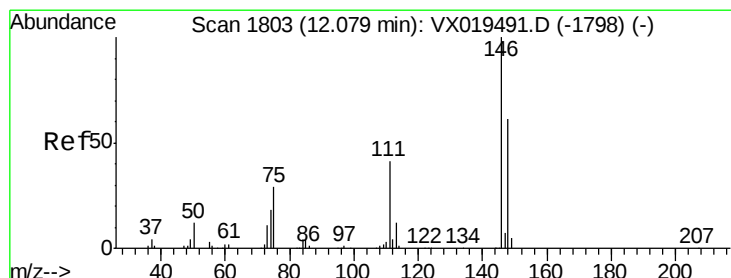
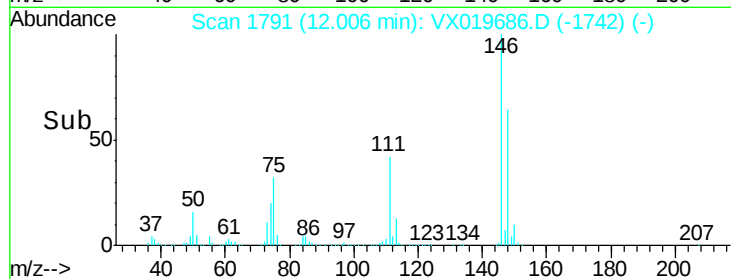
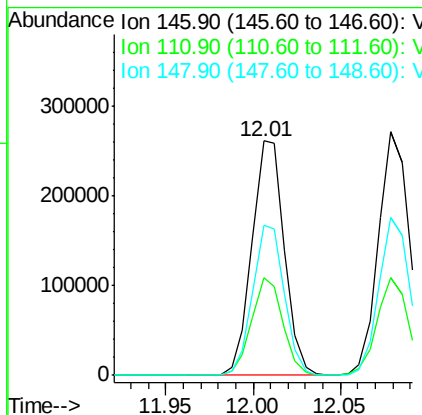
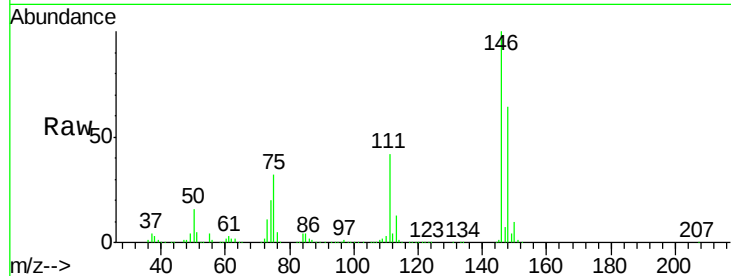
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.6
148	63.0	31.4	94.2

Manual Integrations
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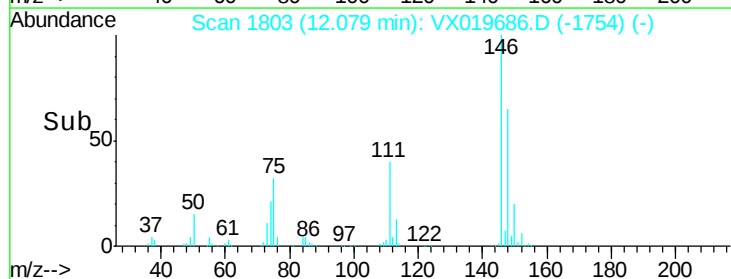
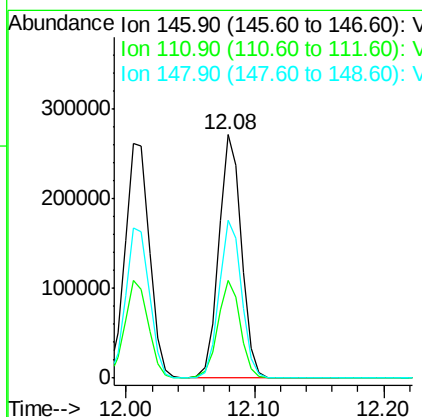
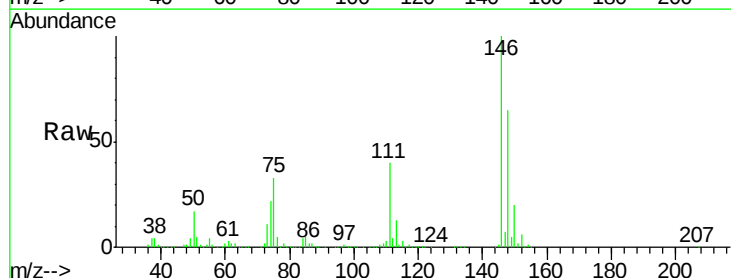
MMDadoda

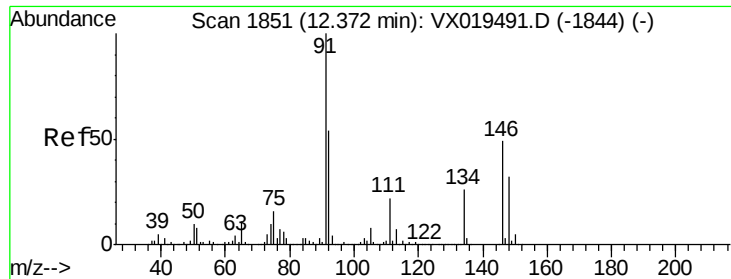
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#88
 1,4-Dichlorobenzene
 Concen: 49.635 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019686.D
 Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.6
148	64.6	31.7	95.1





#89
n-Butylbenzene
Concen: 52.144 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

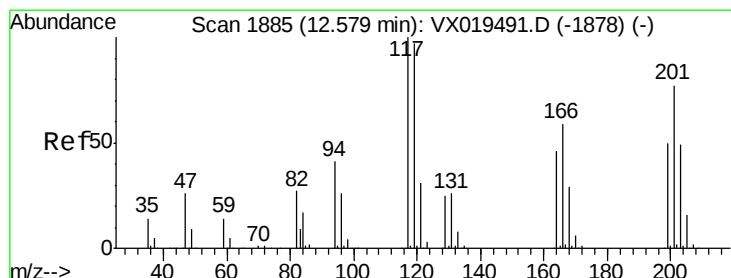
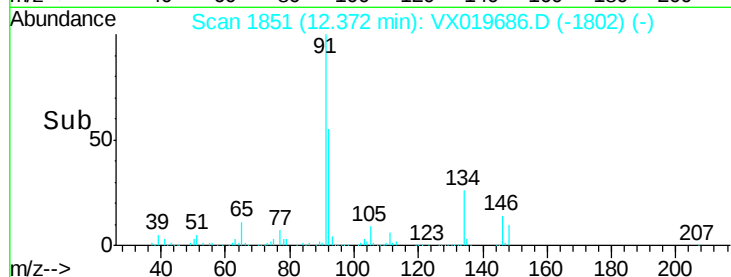
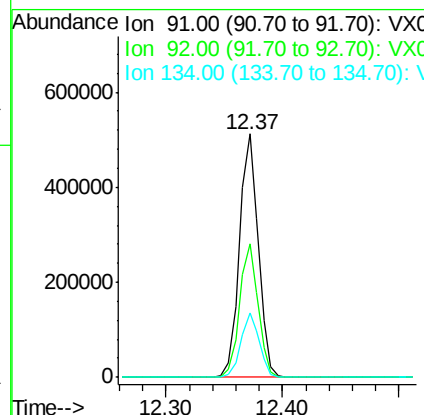
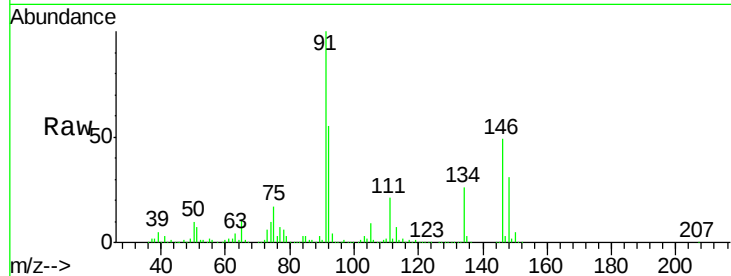
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.9	80.6
134	25.8	12.9	38.6

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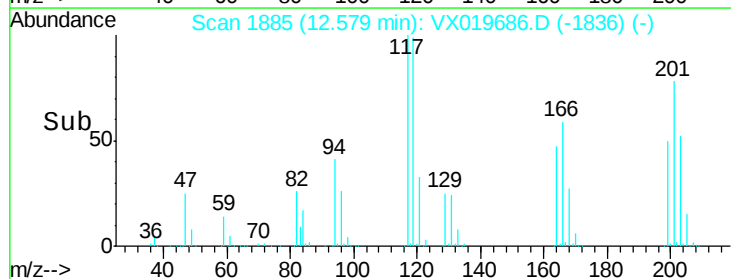
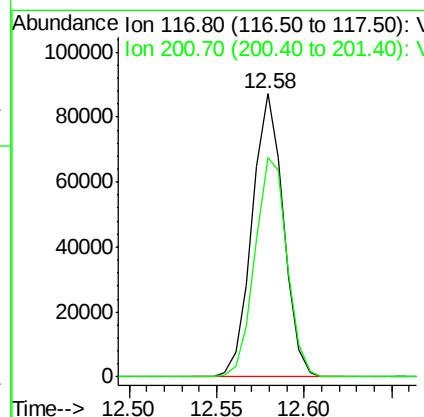
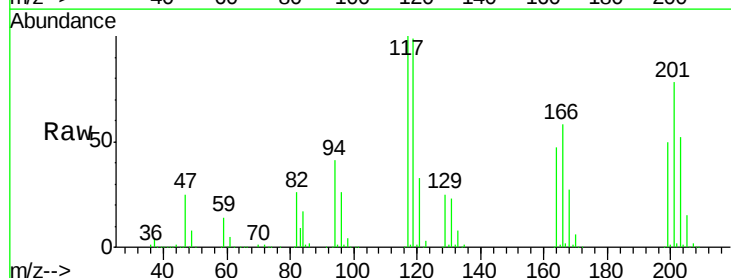
MMDadoda

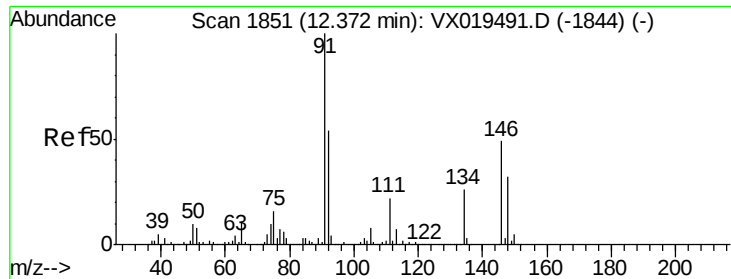
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#90
Hexachloroethane
Concen: 53.192 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	39.4	118.2





#91

1,2-Dichlorobenzene

Concen: 50.421 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

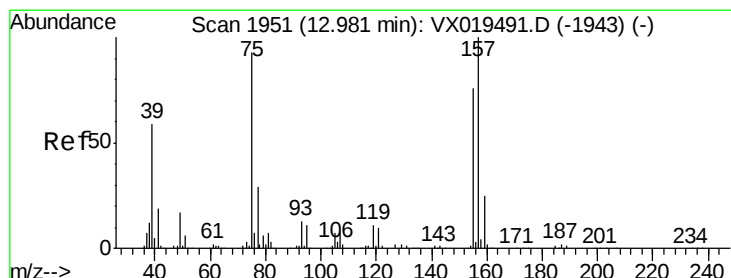
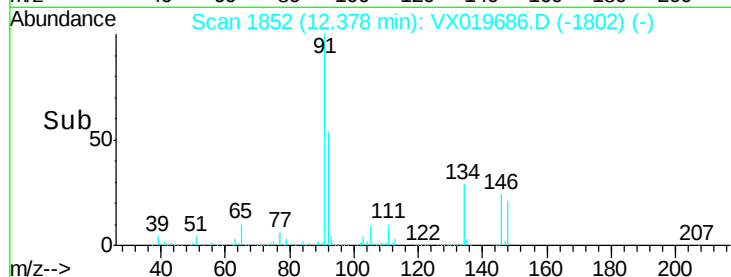
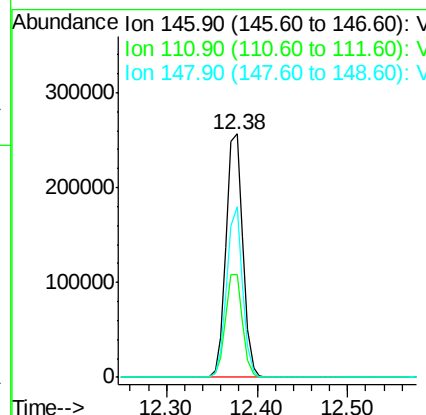
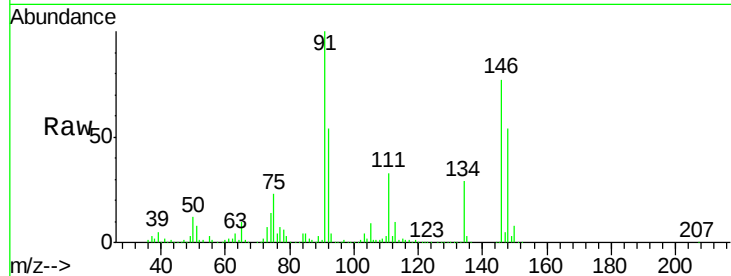
VSTDCCC050

Tot Ion:	146	Resp:	331246
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.1	63.3
148	66.1	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.656 ug/l

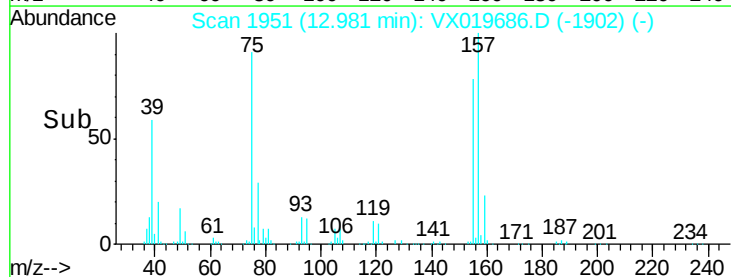
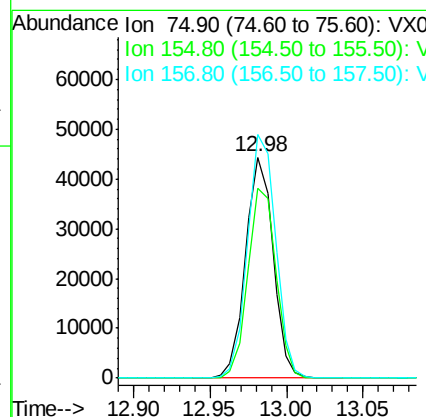
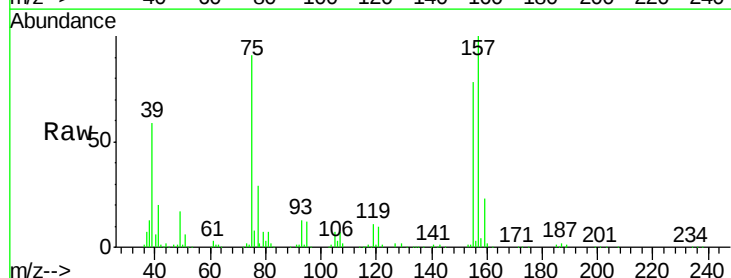
RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Tgt Ion:	75	Resp:	55633
Ion Ratio	Lower	Upper	
75	100		
155	87.8	43.6	130.9
157	112.3	57.0	170.8





#93
1,2,4-Trichlorobenzene
Concen: 52.156 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

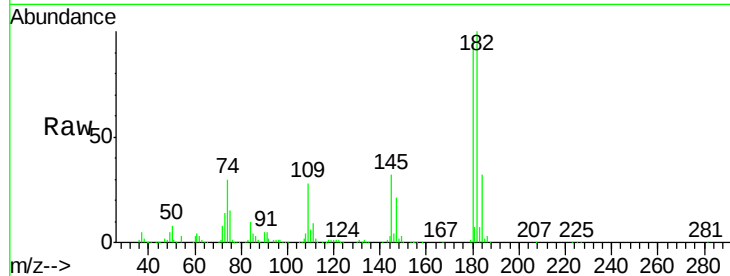
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	48.6	145.9	
145	30.8	15.9	47.7	

Manual Integrations
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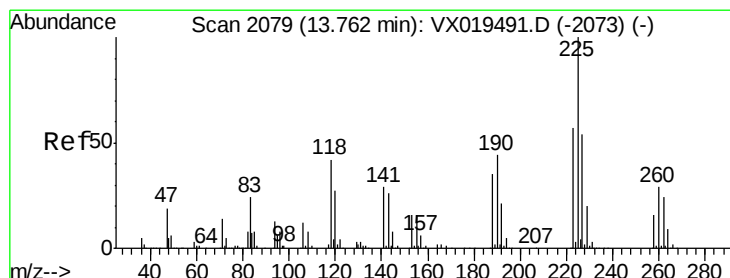
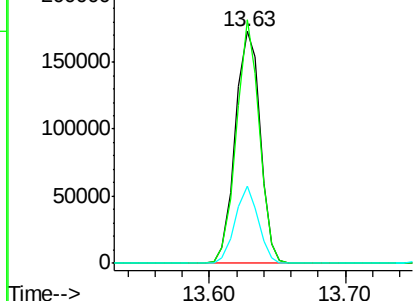
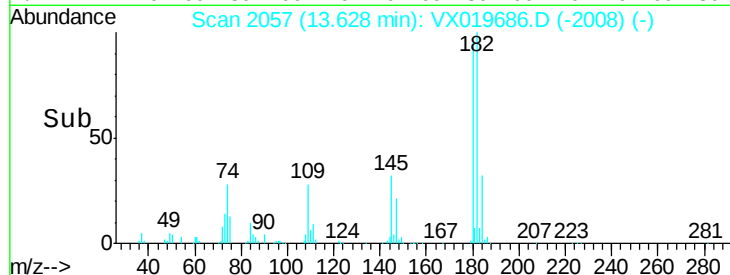


Abundance

Ion 179.80 (179.50 to 180.50): V

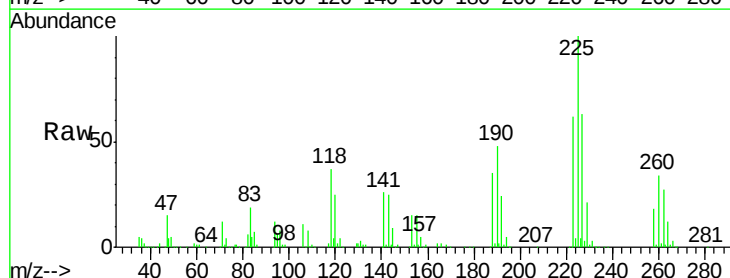
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 47.368 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX019686.D
Acq: 01 Dec 2020 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	32.5	97.5	
227	62.0	32.8	98.3	

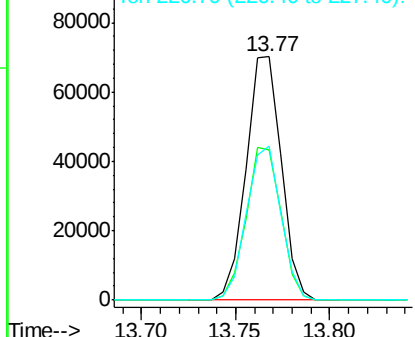
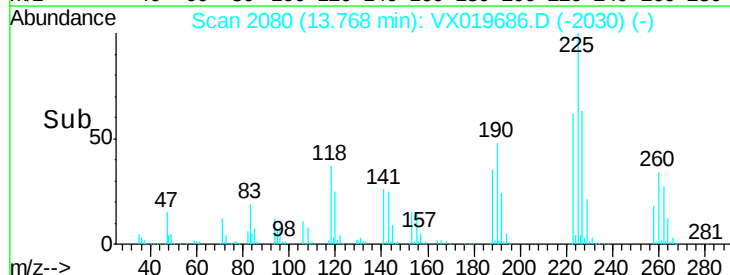


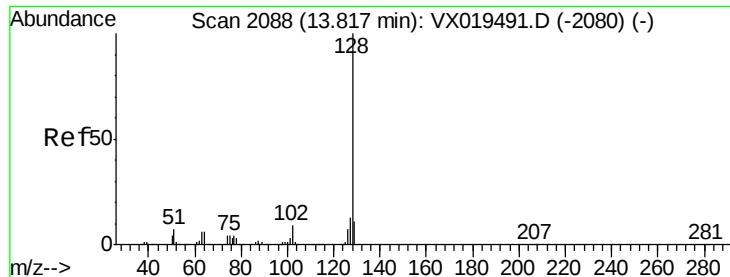
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.758 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Instrument :

MSVOA_X

ClientSampleId :

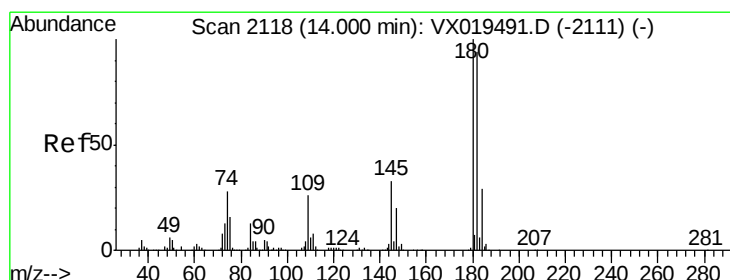
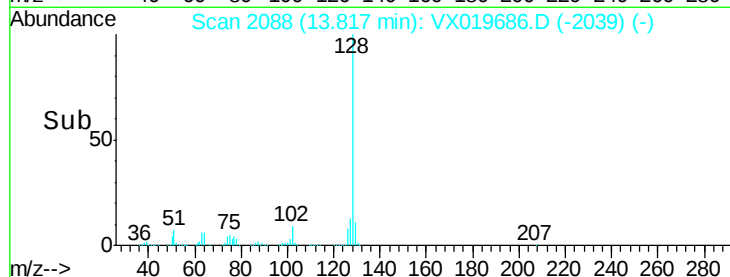
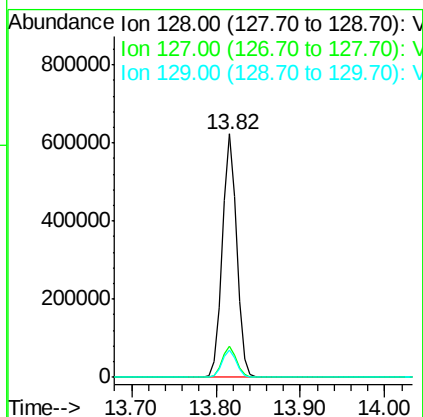
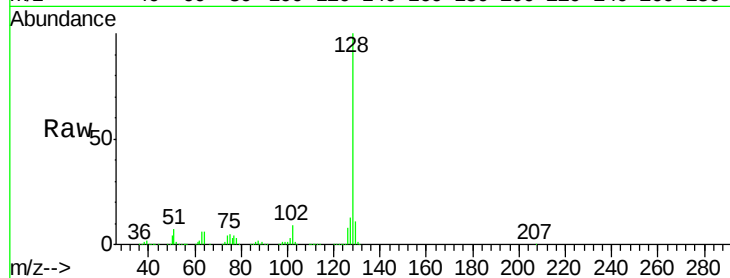
VSTDCCC050

Tot Ion:	128	Resp:	740051
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda

12/2/2020 12:43:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.831 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019686.D

Acq: 01 Dec 2020 10:20

Tgt Ion:	180	Resp:	218670
Ion Ratio	Lower	Upper	
180	100		
182	97.9	48.1	144.3
145	33.0	16.6	49.8

