

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112120\
 Data File : VX019534.D
 Acq On : 21 Nov 2020 08:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 9:34:59 AM

Quant Time: Nov 23 00:20:11 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	274987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	484052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	419037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	181851	51.00	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.00%
35) Dibromofluoromethane	5.46	113	149233	49.12	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.24%
50) Toluene-d8	8.70	98	552011	46.75	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.50%
62) 4-Bromofluorobenzene	11.12	95	205465	48.37	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.74%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	130925	48.960	ug/l 98
3) Chloromethane	1.31	50	143241	46.679	ug/l 99
4) Vinyl Chloride	1.39	62	164426	49.777	ug/l 100
5) Bromomethane	1.62	94	51889	41.472	ug/l 100
6) Chloroethane	1.69	64	43147	53.952	ug/l 94
7) Trichlorofluoromethane	1.90	101	237233	49.758	ug/l 97
8) Diethyl Ether	2.17	74	101902	53.368	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	126791	47.668	ug/l 99
10) Methyl Iodide	2.48	142	160044	45.801	ug/l 100
11) Tert butyl alcohol	3.04	59	199523	295.694	ug/l 99
12) 1,1-Dichloroethene	2.35	96	137491	50.362	ug/l 96
13) Acrolein	2.28	56	91073	200.791	ug/l 100
14) Allyl chloride	2.70	41	207602	48.541	ug/l 98
15) Acrylonitrile	3.12	53	415087	260.844	ug/l 100
16) Acetone	2.43	43	333028	241.531	ug/l 99
17) Carbon Disulfide	2.54	76	351517	47.928	ug/l 100
18) Methyl Acetate	2.75	43	177939	52.600	ug/l 99
19) Methyl tert-butyl Ether	3.17	73	524740	55.684	ug/l 99
20) Methylene Chloride	2.83	84	166846	48.414	ug/l 97
21) trans-1,2-Dichloroethene	3.14	96	155048	50.126	ug/l 96
22) Diisopropyl ether	3.82	45	470320	53.159	ug/l 98
23) Vinyl Acetate	3.78	43	2010467	270.911	ug/l 100
24) 1,1-Dichloroethane	3.67	63	282246	52.156	ug/l 99
25) 2-Butanone	4.64	43	529515	255.650	ug/l 98
26) 2,2-Dichloropropane	4.54	77	168826	35.742	ug/l 98
27) cis-1,2-Dichloroethene	4.56	96	188032	52.922	ug/l 98
28) Bromochloromethane	4.98	49	123156	47.601	ug/l 98
29) Tetrahydrofuran	5.09	42	342049	258.823	ug/l 99
30) Chloroform	5.17	83	296571	52.411	ug/l 100
31) Cyclohexane	5.54	56	225518	48.631	ug/l 97
32) 1,1,1-Trichloroethane	5.46	97	258532	53.188	ug/l 99
36) 1,1-Dichloropropene	5.76	75	211923	46.700	ug/l 98
37) Ethyl Acetate	4.80	43	212521	49.885	ug/l 99
38) Carbon Tetrachloride	5.75	117	215542	49.071	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	226621	42.890	ug/l	99
40) Benzene	6.11	78	668855	47.971	ug/l	99
41) Methacrylonitrile	5.01	41	114975	48.940	ug/l	98
42) 1,2-Dichloroethane	6.16	62	234748	49.120	ug/l	100
43) Isopropyl Acetate	6.42	43	356305	49.753	ug/l	99
44) Trichloroethene	7.19	130	174771	47.854	ug/l	99
45) 1,2-Dichloropropane	7.49	63	167505	48.800	ug/l	99
46) Dibromomethane	7.63	93	117140	49.862	ug/l	99
47) Bromodichloromethane	7.87	83	232233	50.943	ug/l	99
48) Methyl methacrylate	7.74	41	173508	51.733	ug/l	99
49) 1,4-Dioxane	7.72	88	79375	1042.329	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	1047264	250.777	ug/l	99
52) Toluene	8.76	92	414868	48.638	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	241683	49.089	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	264449	48.401	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	168953	48.636	ug/l	98
56) Ethyl methacrylate	9.16	69	263635	53.634	ug/l	99
57) 1,3-Dichloropropane	9.35	76	284711	48.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	681146	236.489	ug/l	98
59) 2-Hexanone	9.48	43	790121	249.468	ug/l	99
60) Dibromochloromethane	9.57	129	176121	51.761	ug/l	98
61) 1,2-Dibromoethane	9.65	107	176173	49.200	ug/l	97
64) Tetrachloroethene	9.32	164	145198	44.082	ug/l	98
65) Chlorobenzene	10.12	112	431138	50.042	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	162918	51.988	ug/l	99
67) Ethyl Benzene	10.23	91	767741	50.867	ug/l	99
68) m/p-Xylenes	10.34	106	572244	101.767	ug/l	99
69) o-Xylene	10.68	106	279682	52.031	ug/l	100
70) Styrene	10.70	104	473443	47.662	ug/l	99
71) Bromoform	10.84	173	124169	47.006	ug/l	100
73) Isopropylbenzene	11.00	105	734802	53.237	ug/l	99
74) N-amyl acetate	10.88	43	304852	58.943	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	259492	52.573	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	229058m	52.606	ug/l	
77) Bromobenzene	11.24	156	183449	52.064	ug/l	99
78) n-propylbenzene	11.34	91	818598	51.699	ug/l	99
79) 2-Chlorotoluene	11.40	91	505813	52.674	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	620747	53.612	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	73981	46.239	ug/l	99
82) 4-Chlorotoluene	11.49	91	584678	51.721	ug/l	100
83) tert-Butylbenzene	11.76	119	599355	53.506	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	625636	53.404	ug/l	99
85) sec-Butylbenzene	11.93	105	675940	50.723	ug/l	100
86) p-Isopropyltoluene	12.05	119	618961	51.158	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	326073	50.391	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	324940	48.750	ug/l	99
89) n-Butylbenzene	12.37	91	514717	47.057	ug/l	98
90) Hexachloroethane	12.58	117	107666	53.179	ug/l	100
91) 1,2-Dichlorobenzene	12.37	146	329046	50.629	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56958	56.564	ug/l	98

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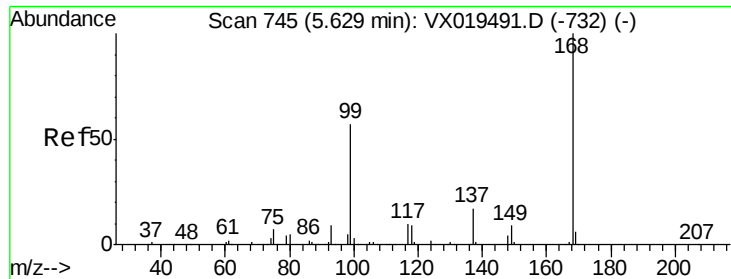
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	212987	51.045	ug/l	97
94) Hexachlorobutadiene	13.76	225	80488	42.345	ug/l	97
95) Naphthalene	13.82	128	753013	51.116	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	217050	52.005	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: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 274987

Ion Ratio Lower Upper

168 100

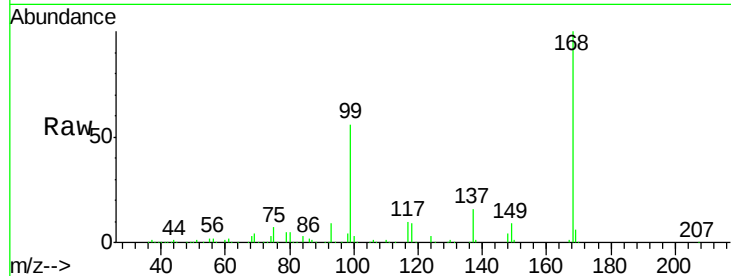
99 56.2 45.8 68.6

Manual Integrations

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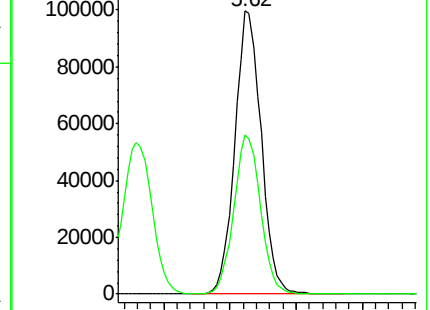
MMDadoda

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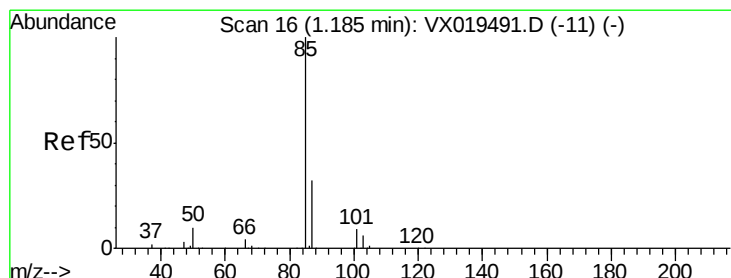
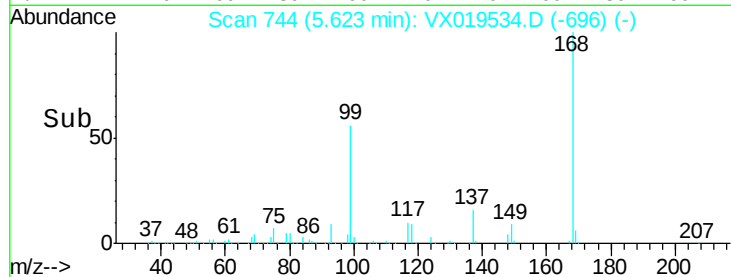


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#2

Dichlorodifluoromethane

Concen: 48.960 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019534.D

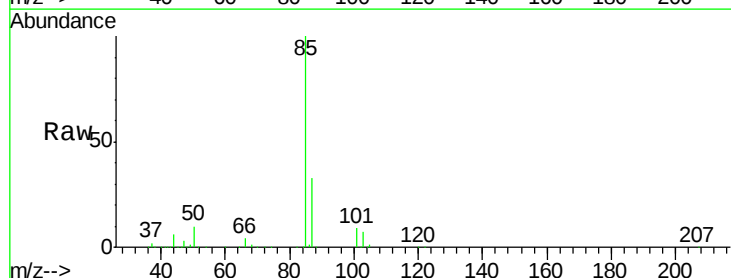
Acq: 21 Nov 2020 08:14

Tgt Ion: 85 Resp: 130925

Ion Ratio Lower Upper

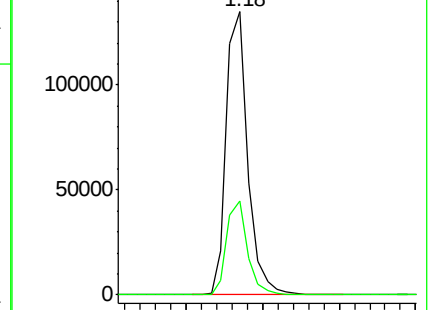
85 100

87 33.2 16.0 47.9

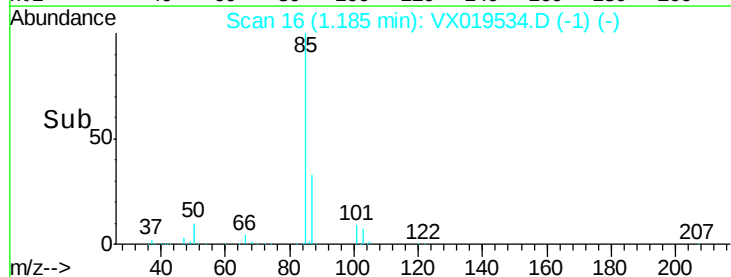


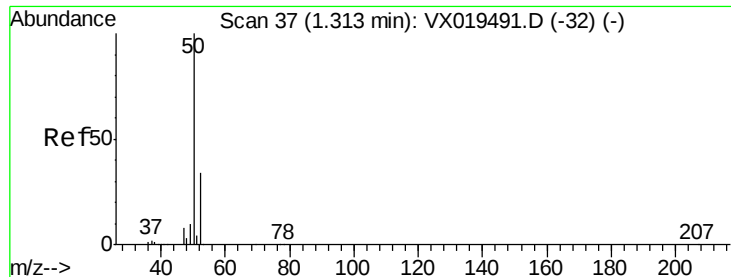
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->





#3

Chloromethane

Concen: 46.679 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 143241

Ion Ratio Lower Upper

50 100

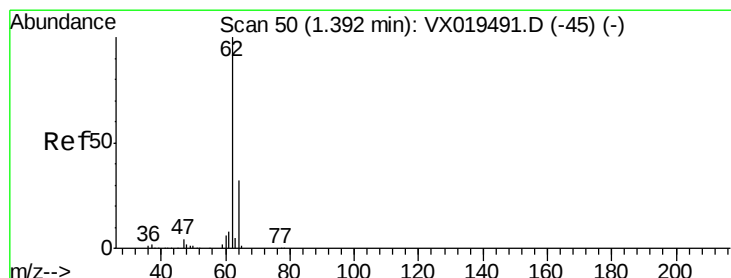
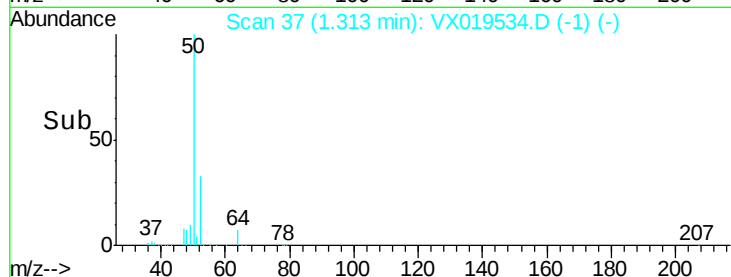
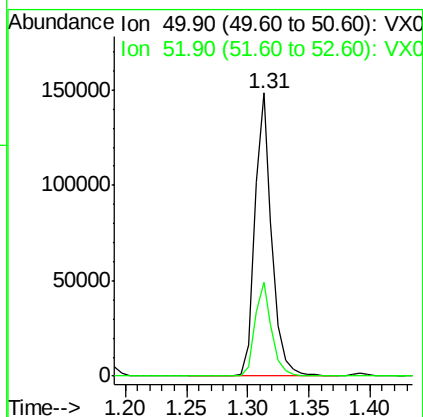
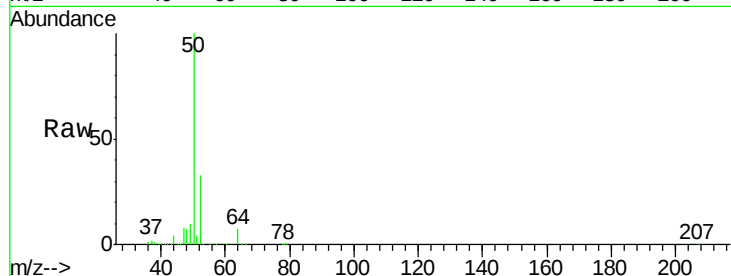
52 33.2 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.777 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019534.D

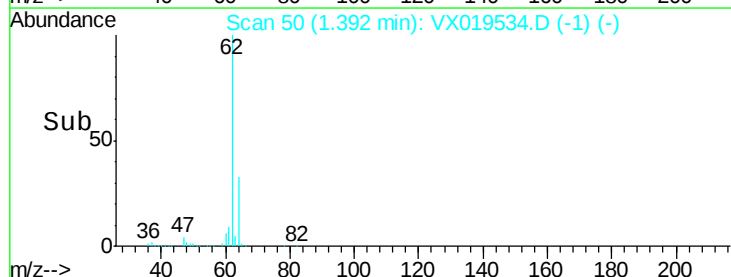
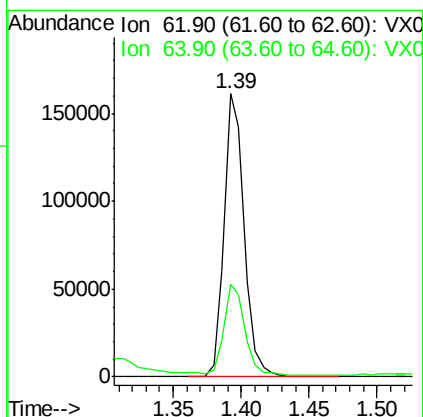
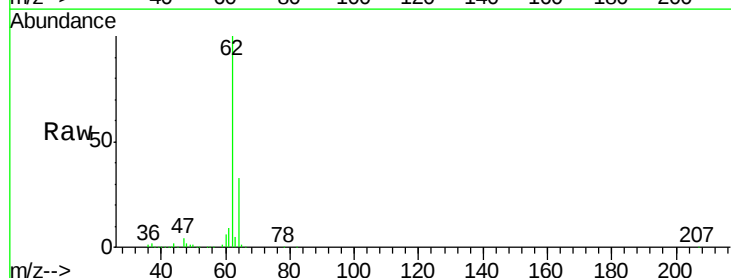
Acq: 21 Nov 2020 08:14

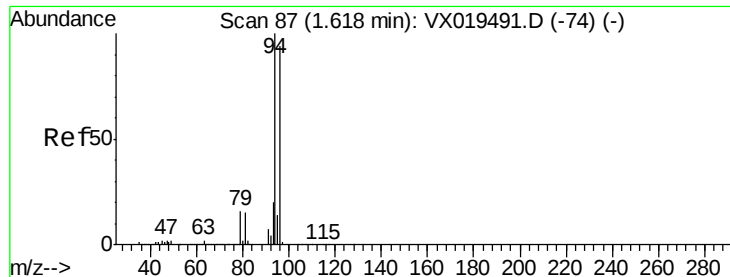
Tgt Ion: 62 Resp: 164426

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 41.472 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 51889

Ion Ratio Lower Upper

94 100

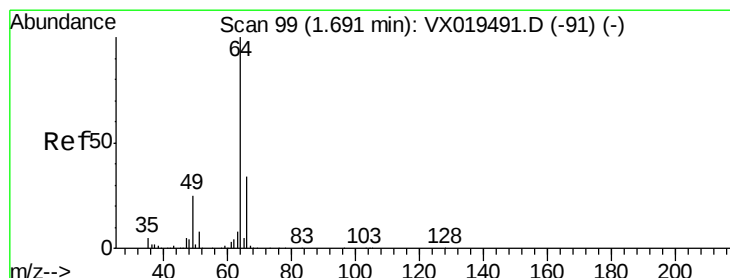
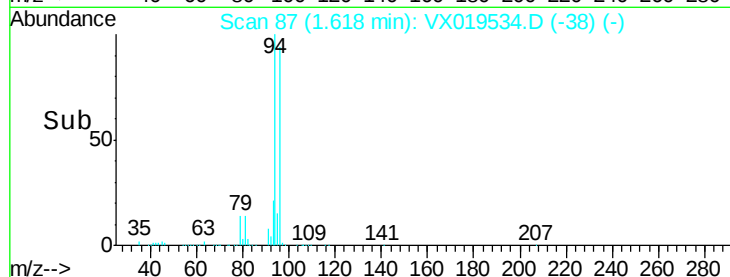
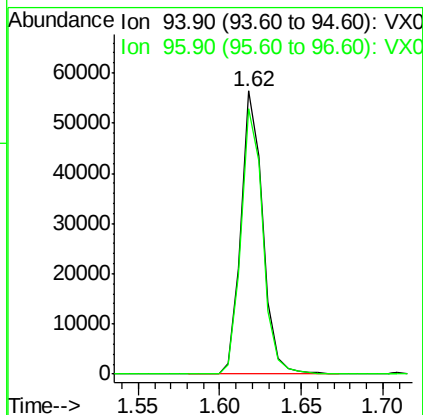
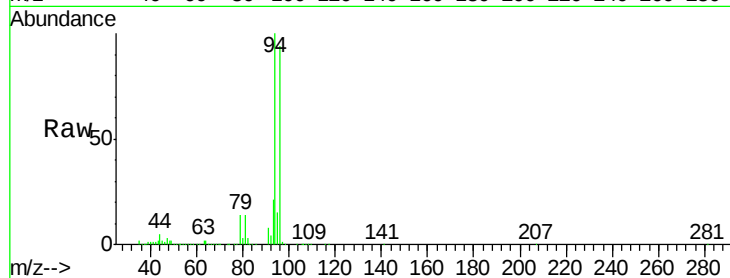
96 94.1 75.6 113.4

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#6

Chloroethane

Concen: 53.952 ug/l

RT: 1.69 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX019534.D

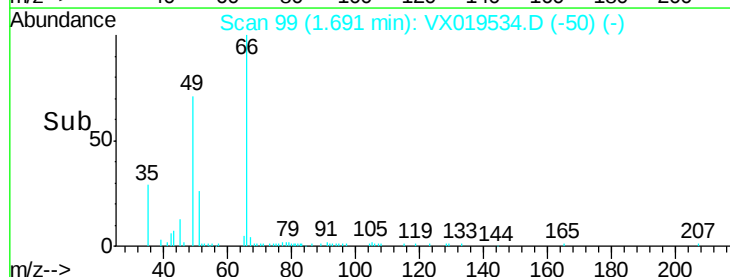
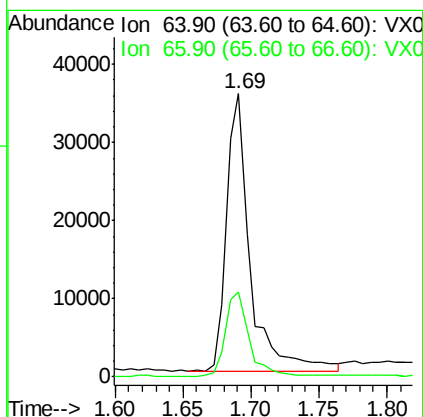
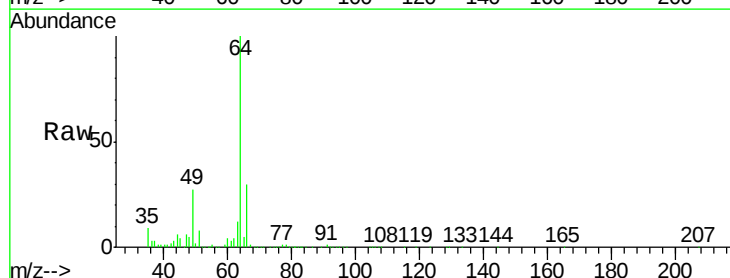
Acq: 21 Nov 2020 08:14

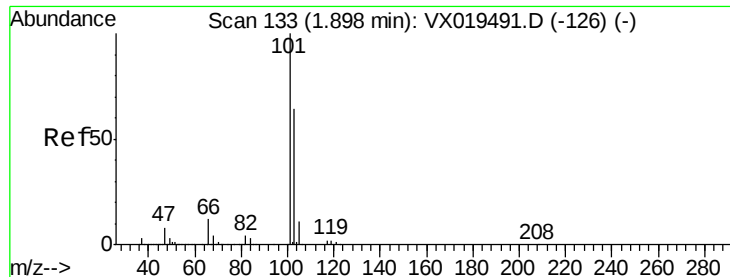
Tgt Ion: 64 Resp: 43147

Ion Ratio Lower Upper

64 100

66 30.3 27.1 40.7





#7

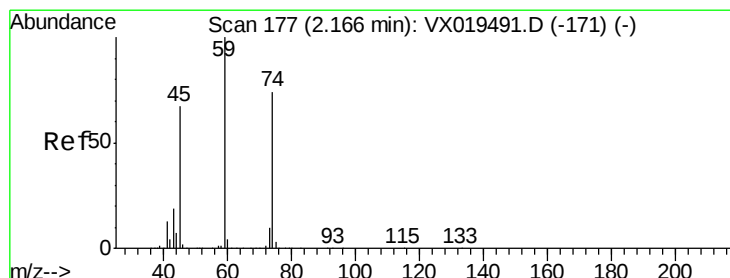
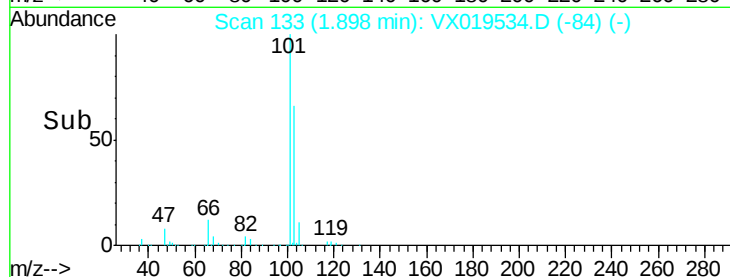
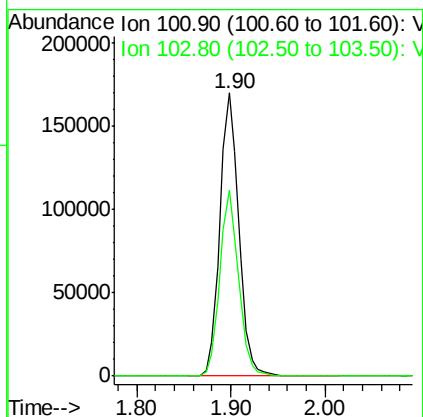
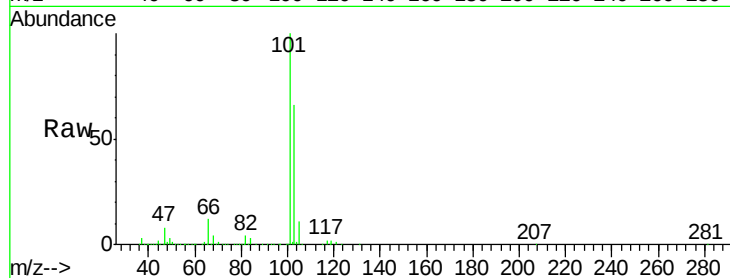
Trichlorofluoromethane
Concen: 49.758 ug/l
RT: 1.90 min Scan# 133
Delta R.T. -0.00 min
Lab File: VX019534.D
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.9	76.3

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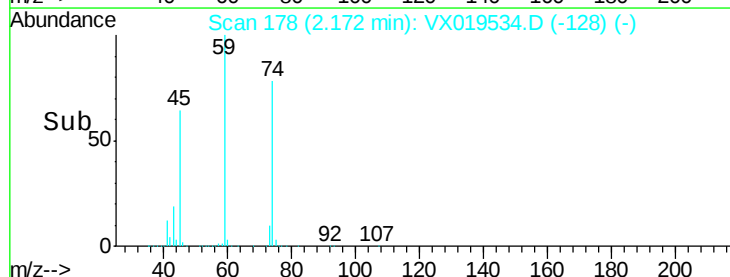
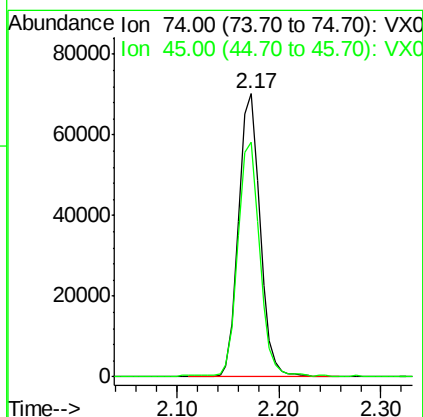
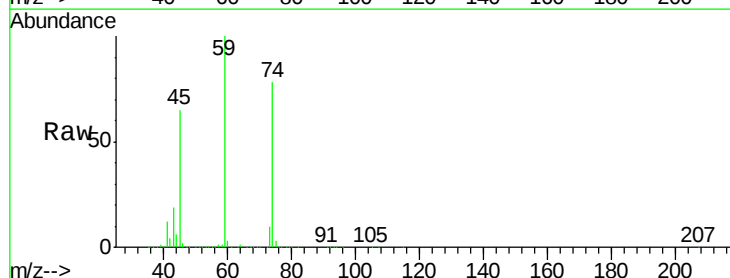
MMDadoda
11/23/2020 9:34:59 AM

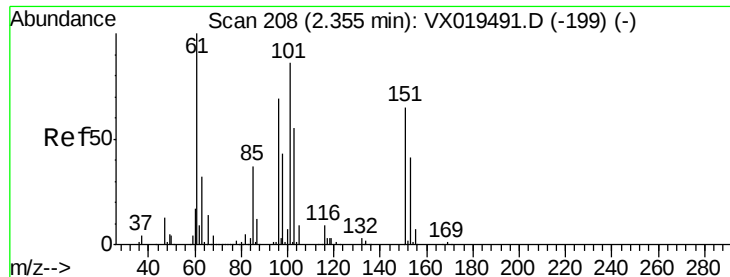


#8

Diethyl Ether
Concen: 53.368 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.6	44.4	133.2





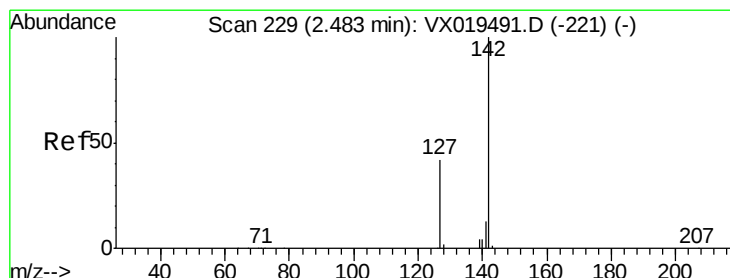
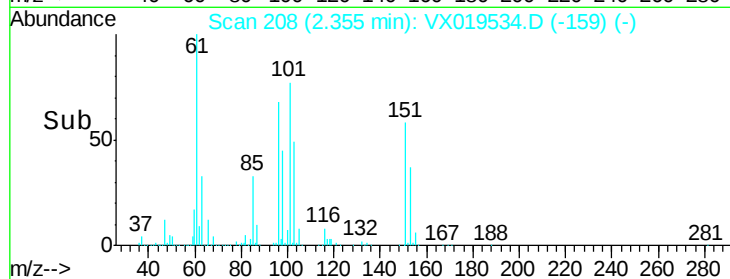
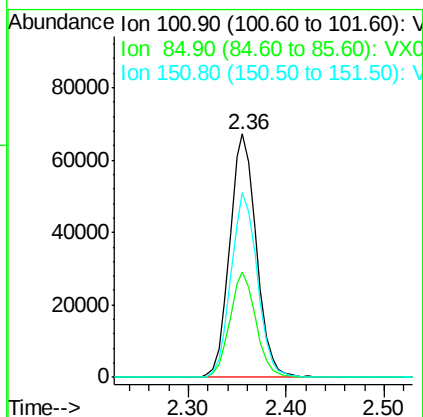
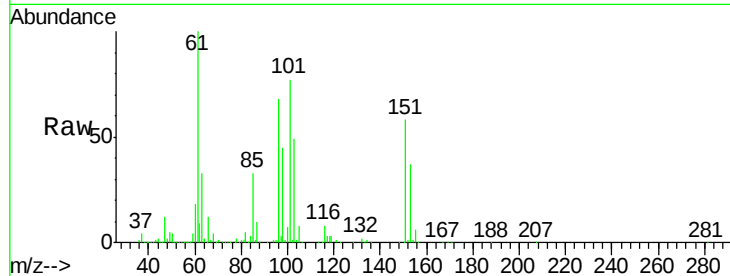
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.668 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	126791		
85	42.4	33.9	50.9	
151	75.3	60.9	91.3	

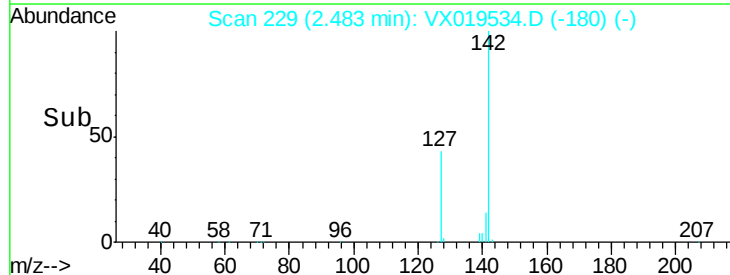
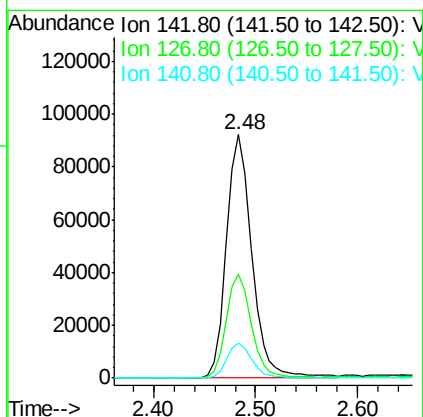
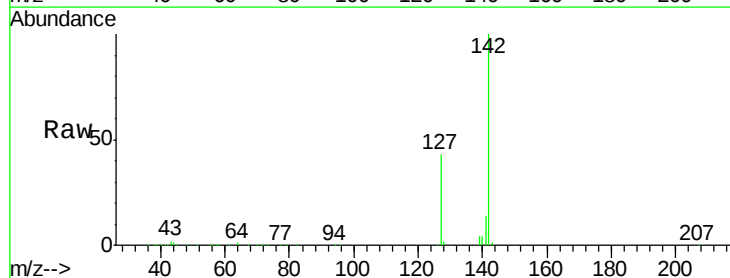
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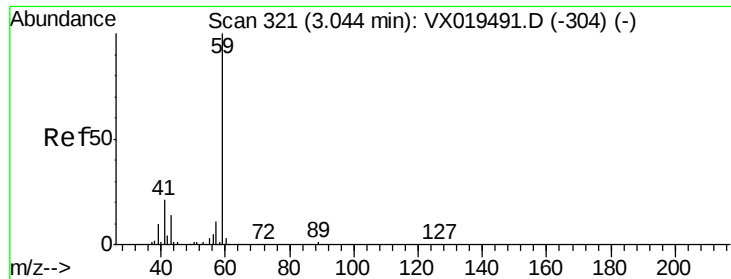
MMDadoda
 11/23/2020 9:34:59 AM



#10
 Methyl Iodide
 Concen: 45.801 ug/l
 RT: 2.48 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	160044		
127	42.3	33.8	50.6	
141	14.3	11.0	16.6	





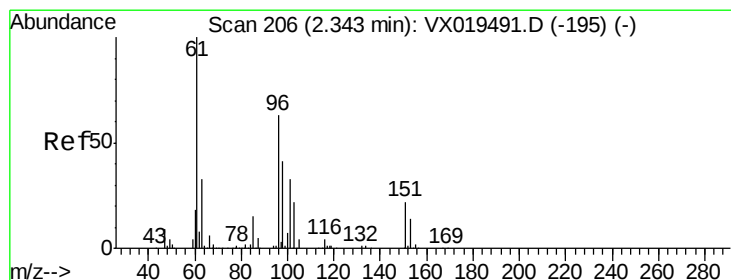
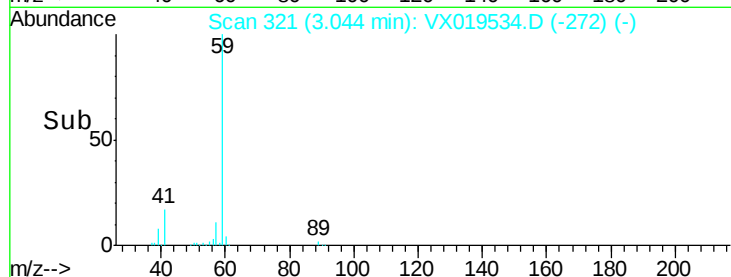
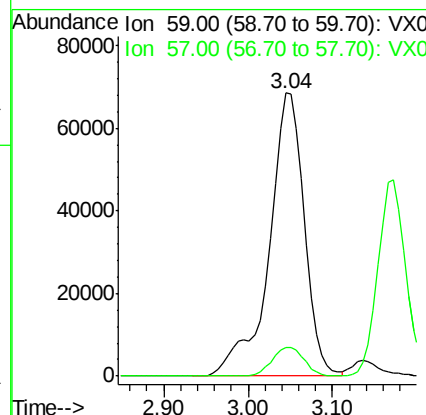
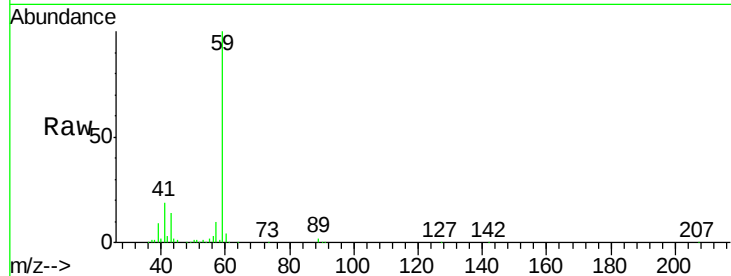
#11
Tert butyl alcohol
Concen: 295.694 ug/l
RT: 3.04 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	199523		
57	9.3		7.9	11.9

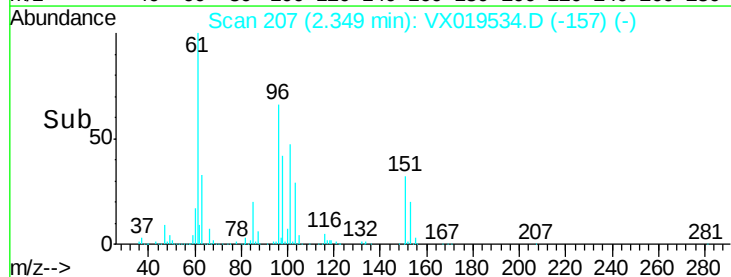
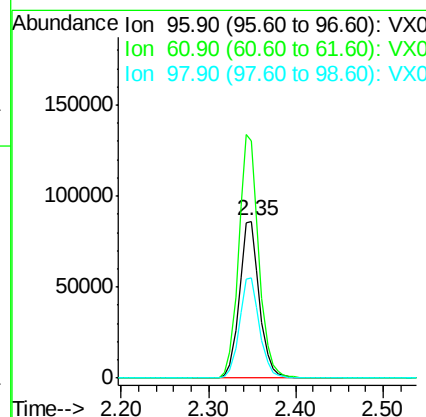
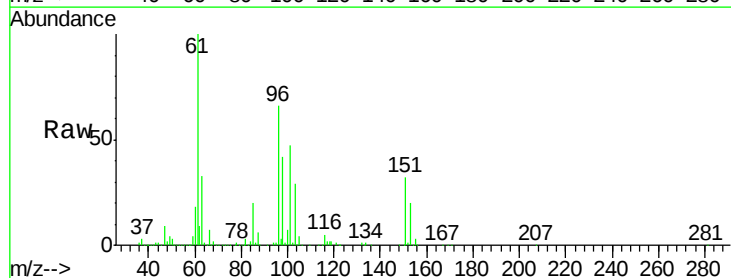
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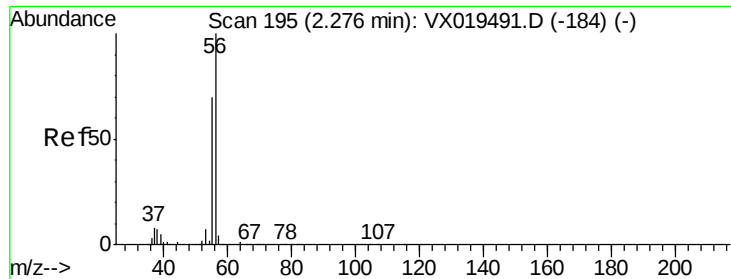
MMDadoda
11/23/2020 9:34:59 AM



#12
1,1-Dichloroethene
Concen: 50.362 ug/l
RT: 2.35 min Scan# 207
Delta R.T. 0.01 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	137491		
61	151.3		126.0	189.0
98	63.7		52.0	78.0





#13

Acrolein

Concen: 200.791 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 91073

Ion Ratio Lower Upper

56 100

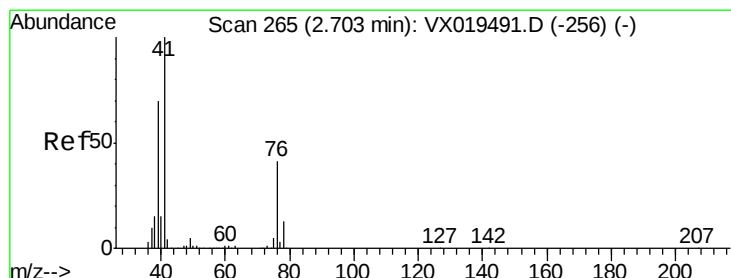
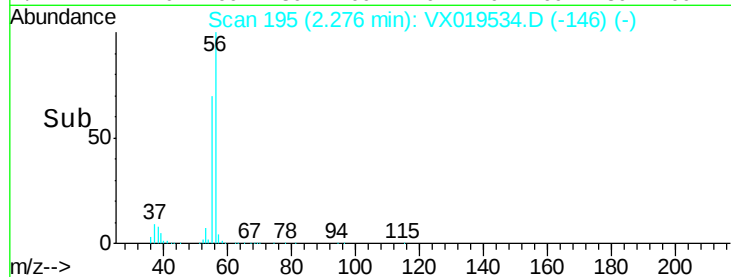
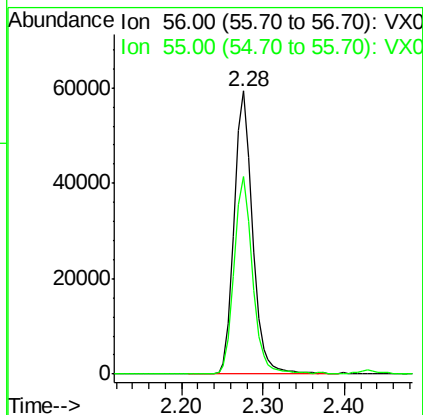
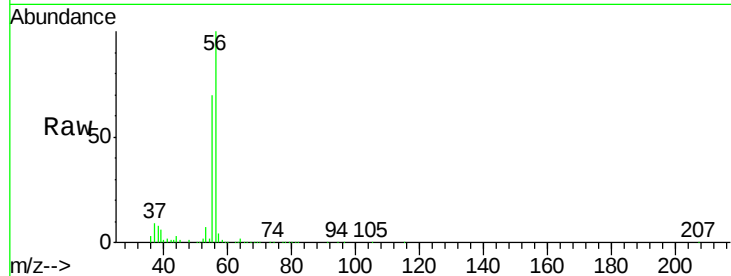
55 69.7 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 48.541 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

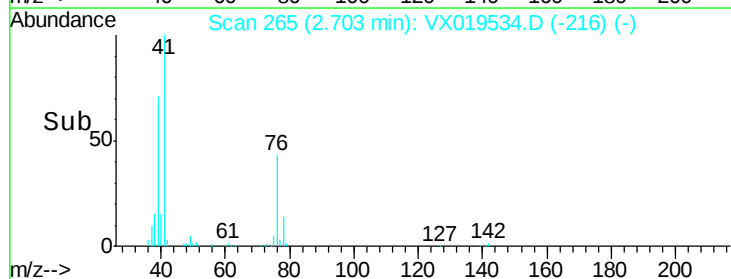
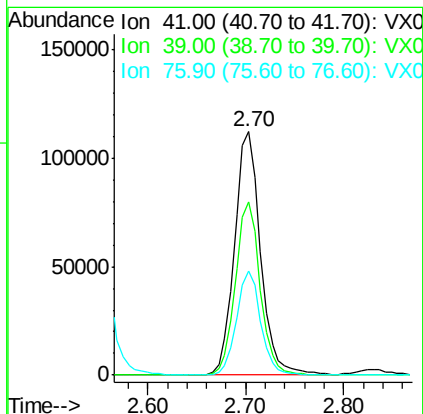
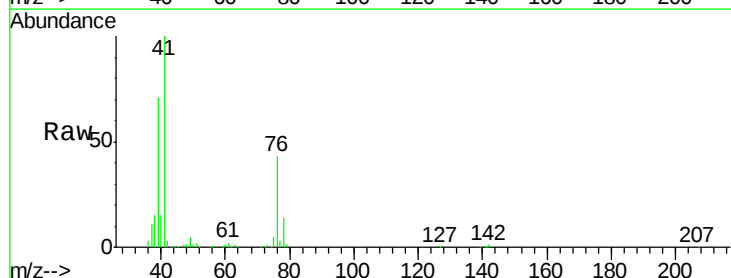
Tgt Ion: 41 Resp: 207602

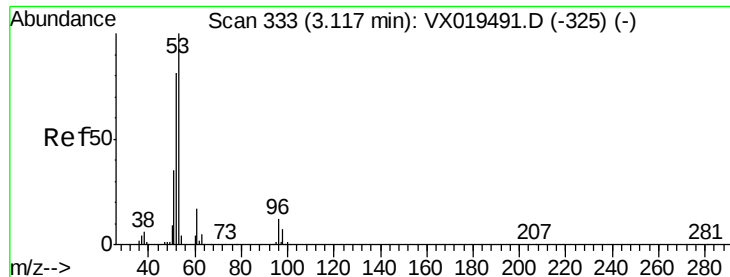
Ion Ratio Lower Upper

41 100

39 67.5 53.0 79.4

76 40.1 31.0 46.6





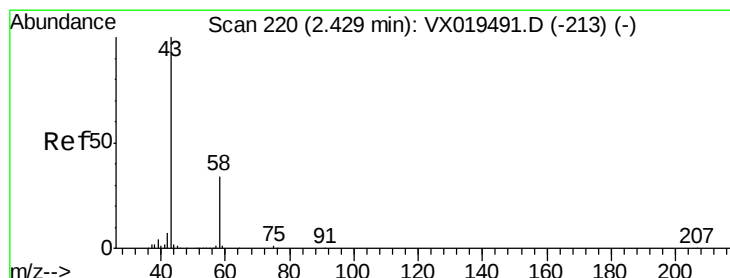
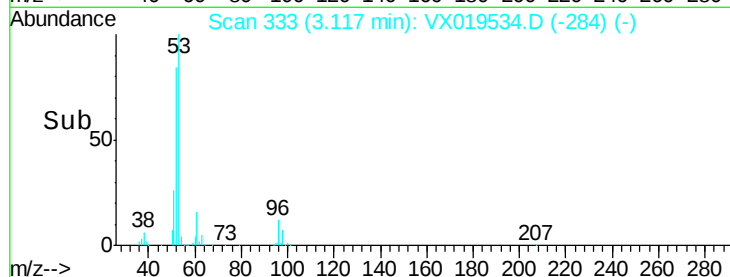
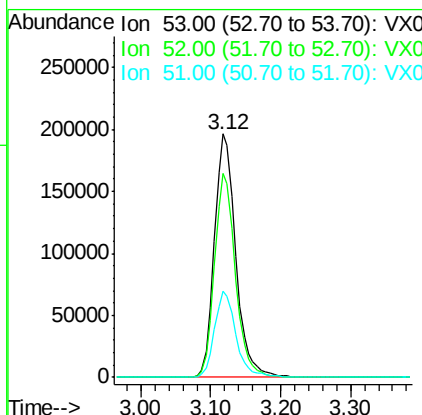
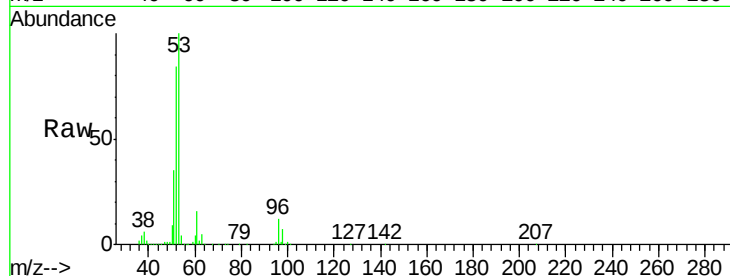
#15
 Acrylonitrile
 Concen: 260.844 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	35.7	28.5	42.7

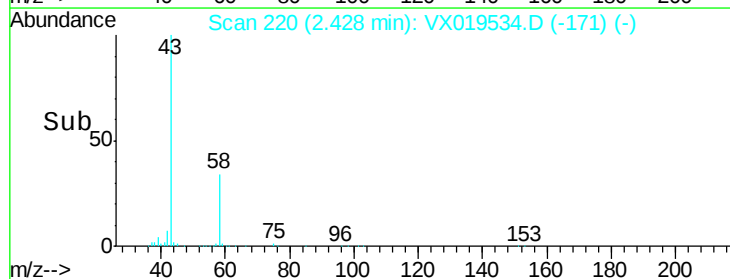
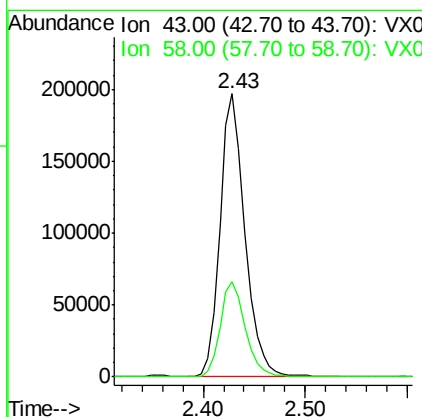
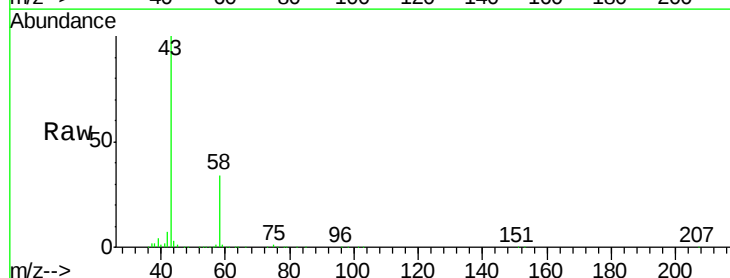
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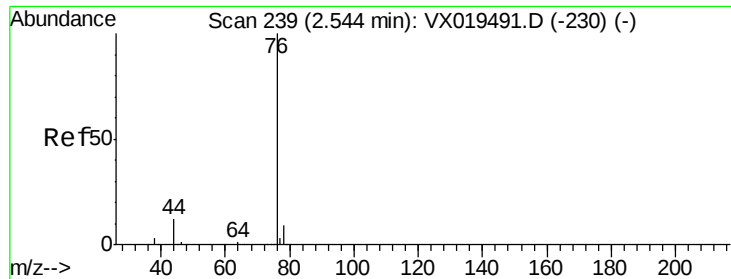
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#16
 Acetone
 Concen: 241.531 ug/l
 RT: 2.43 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.4	41.2





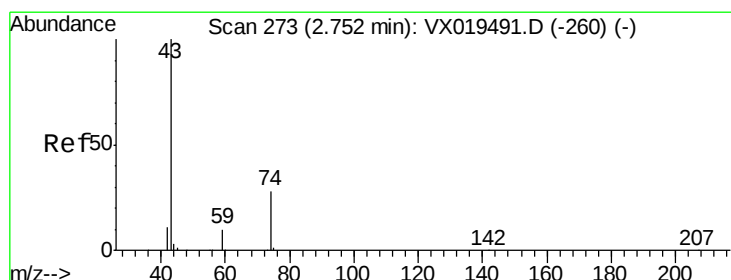
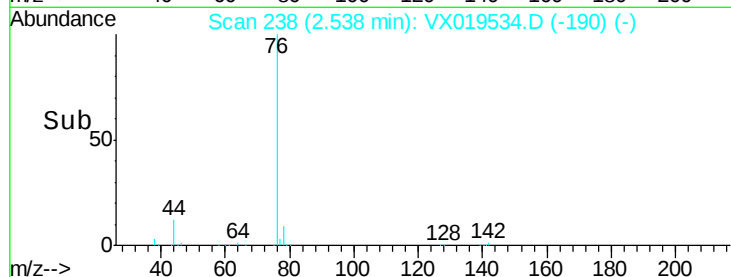
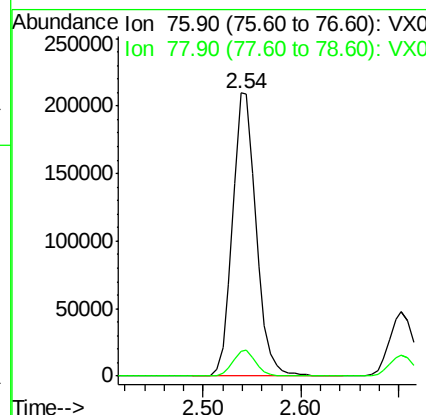
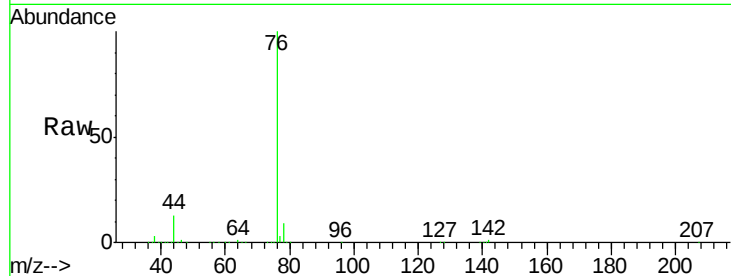
#17
Carbon Disulfide
Concen: 47.928 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

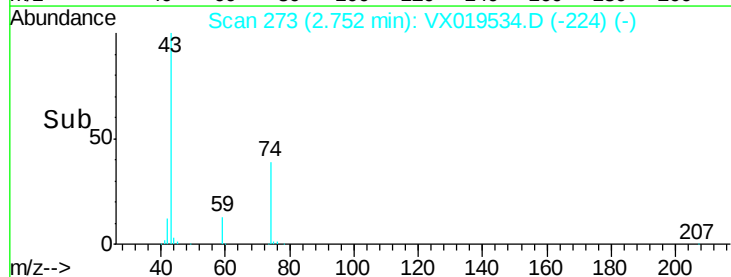
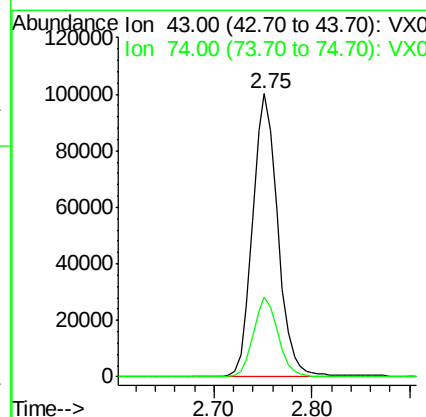
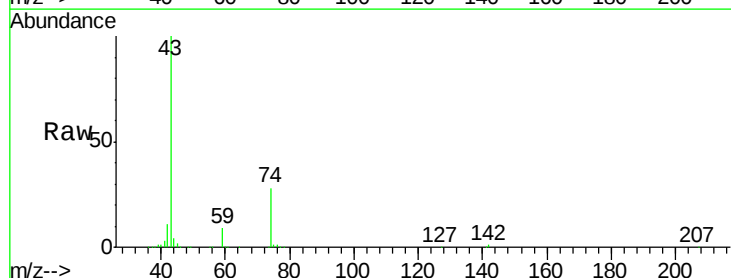
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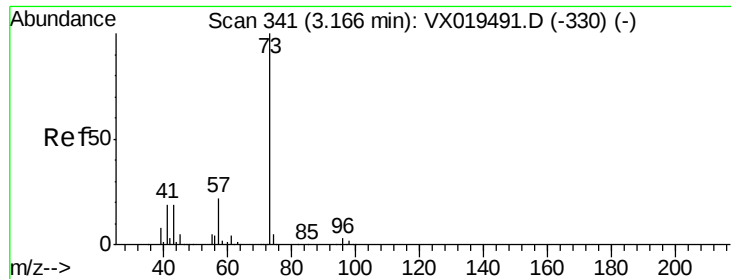
MMDadoda
11/23/2020 9:34:59 AM



#18
Methyl Acetate
Concen: 52.600 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	22.2	33.4





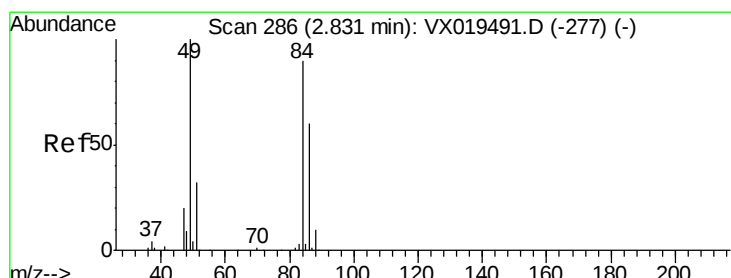
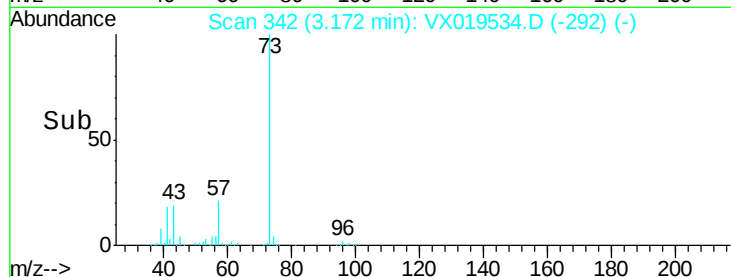
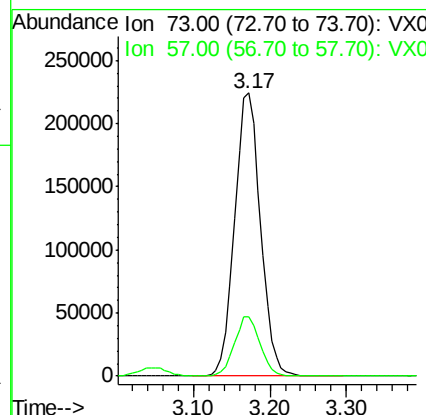
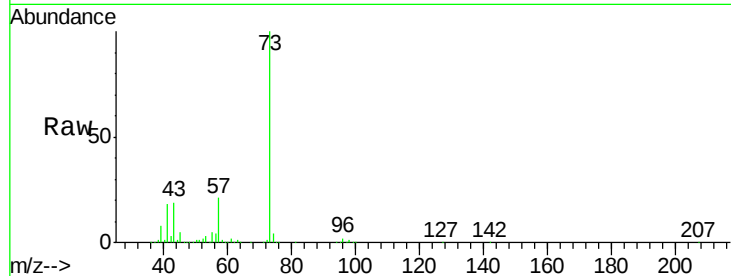
#19
Methvl tert-butvl Ether
Concen: 55.684 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 524740
Ion Ratio Lower Upper
73 100
57 21.1 17.3 25.9

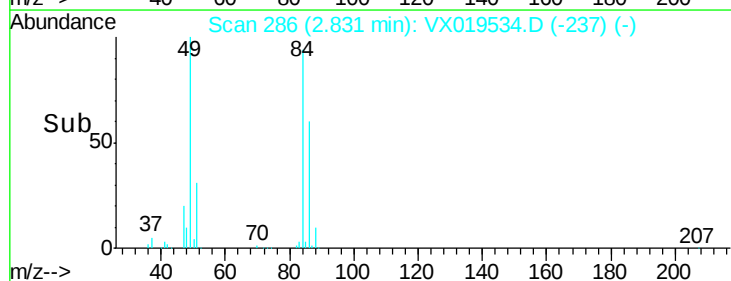
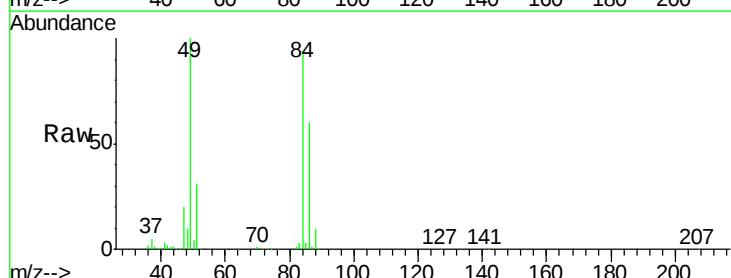
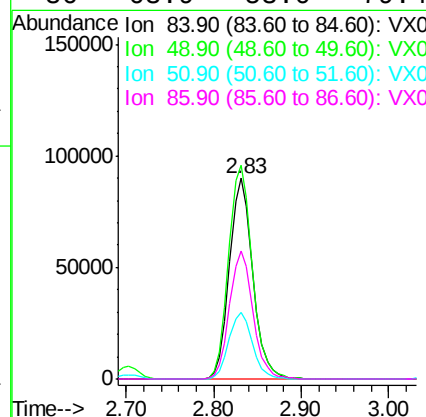
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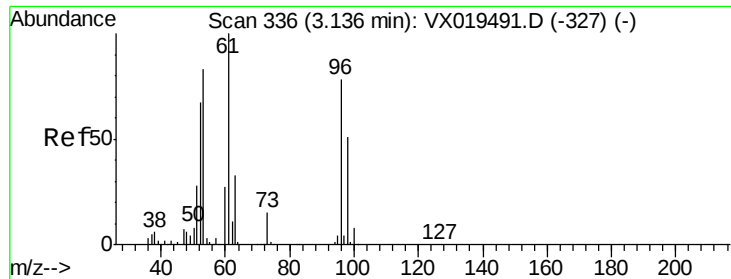
MMDadoda
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#20
Methylene Chloride
Concen: 48.414 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion: 84 Resp: 166846
Ion Ratio Lower Upper
84 100
49 106.4 88.5 132.7
51 33.2 28.0 42.0
86 63.9 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 50.126 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 155048

Ion Ratio Lower Upper

96 100

61 134.5 102.9 154.3

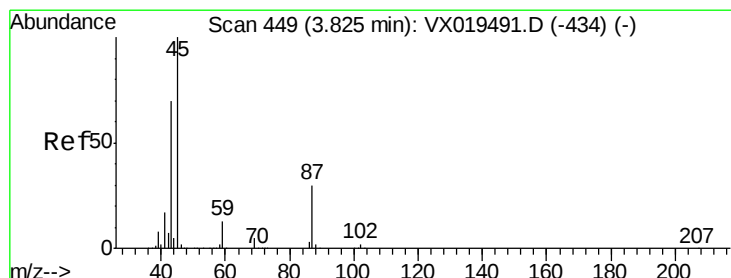
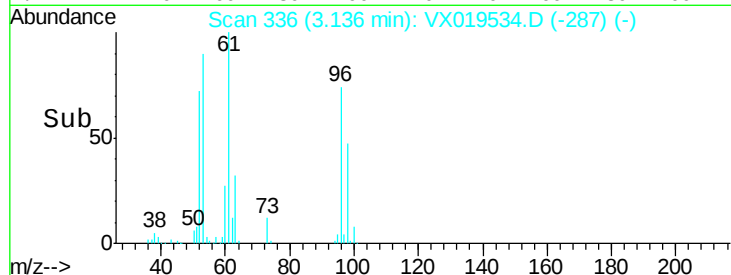
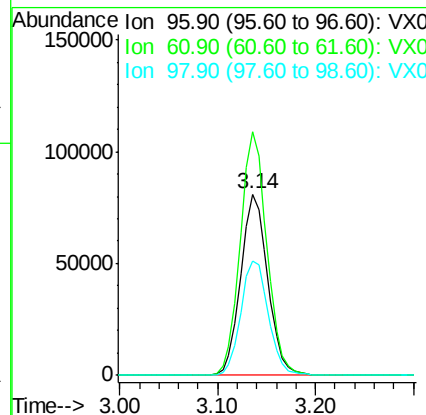
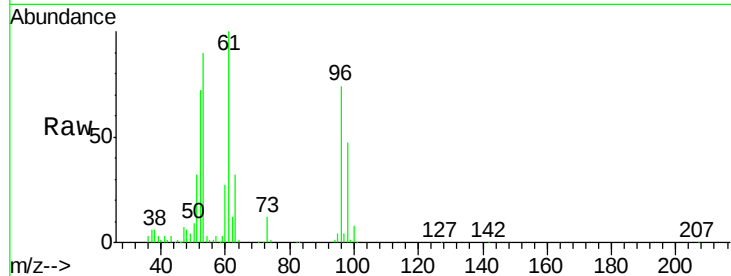
98 63.4 52.1 78.1

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#22

Diisopropyl ether

Concen: 53.159 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Tgt Ion: 45 Resp: 470320

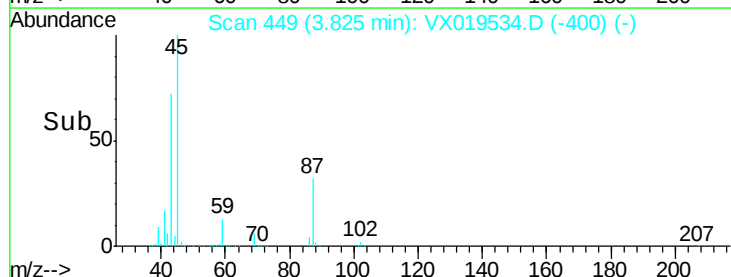
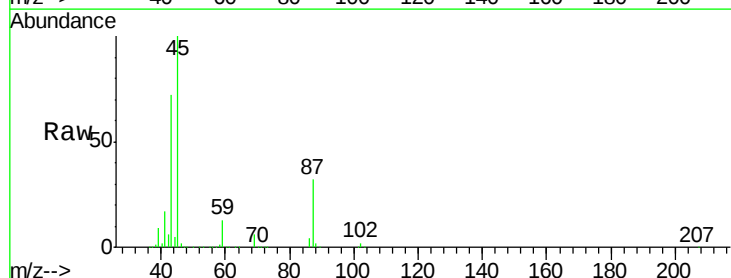
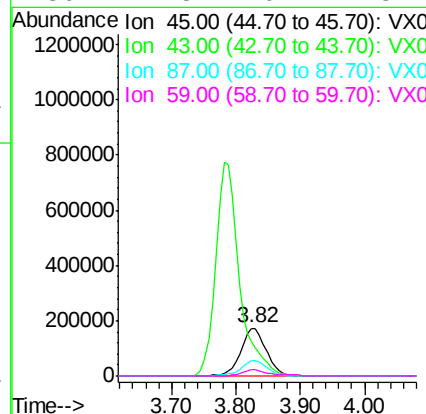
Ion Ratio Lower Upper

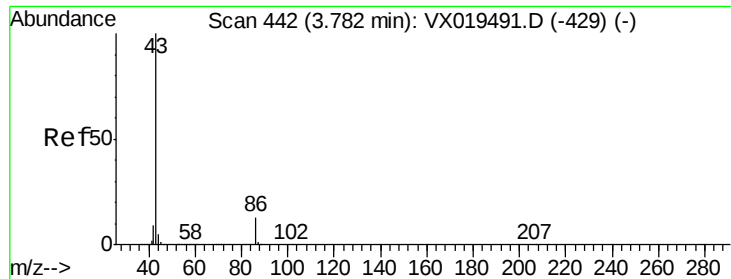
45 100

43 71.2 56.1 84.1

87 31.8 24.2 36.2

59 12.8 10.2 15.2





#23

Vinyl Acetate

Concen: 270.911 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2010467

Ion Ratio Lower Upper

43 100

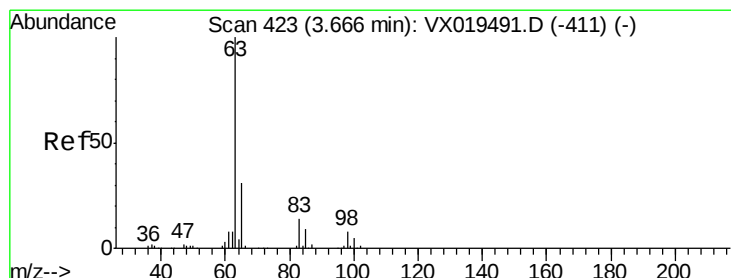
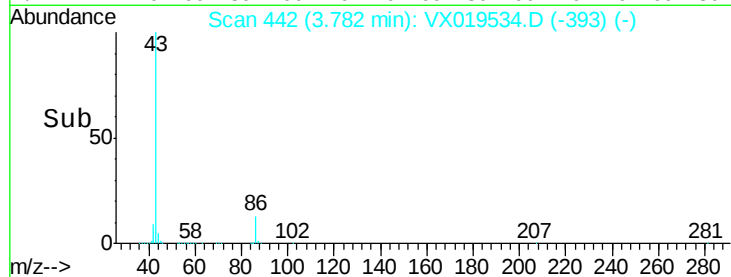
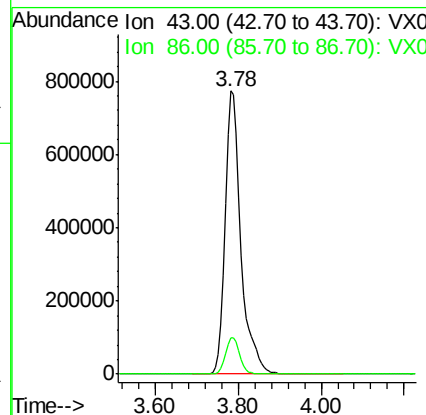
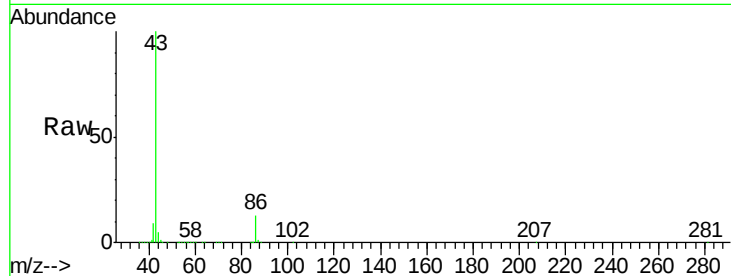
86 12.8 10.2 15.2

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#24

1,1-Dichloroethane

Concen: 52.156 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

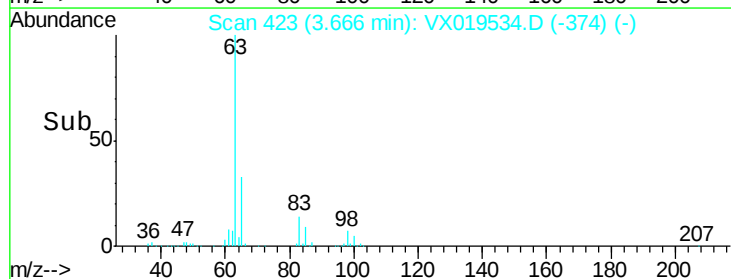
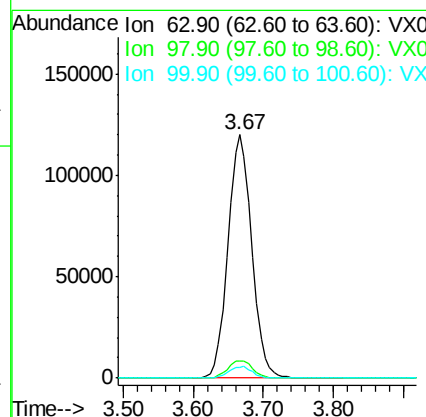
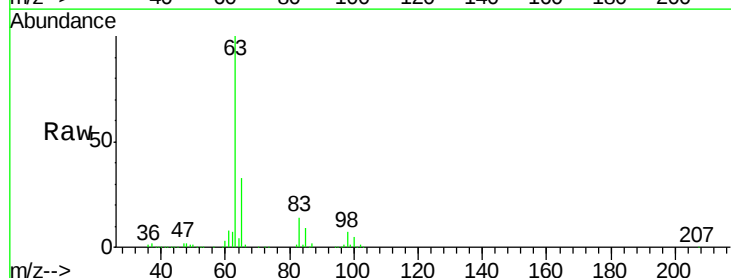
Tgt Ion: 63 Resp: 282246

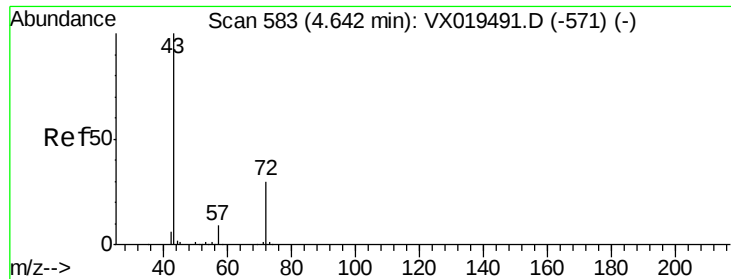
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 255.650 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 529515

Ion Ratio Lower Upper

43 100

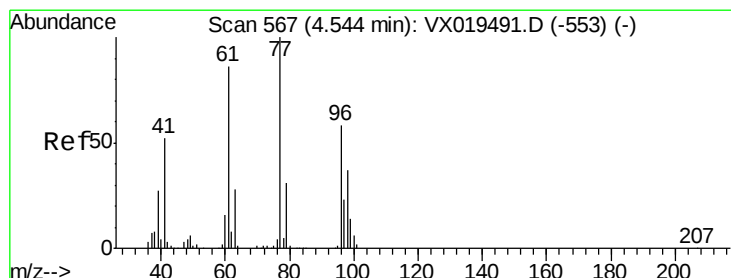
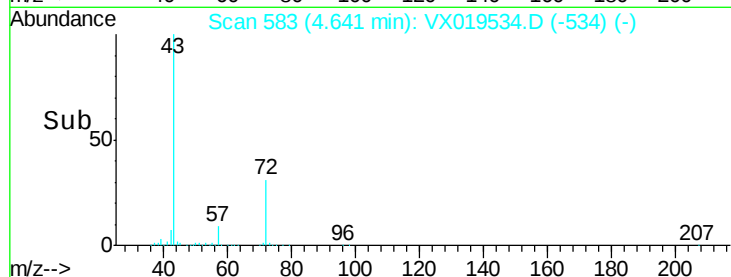
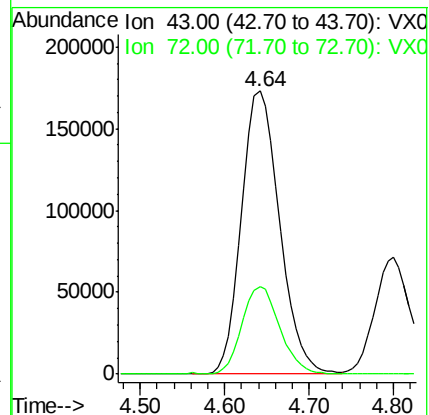
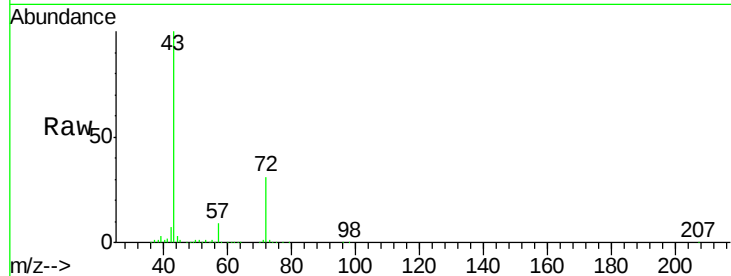
72 30.8 24.0 36.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 35.742 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.00 min

Lab File: VX019534.D

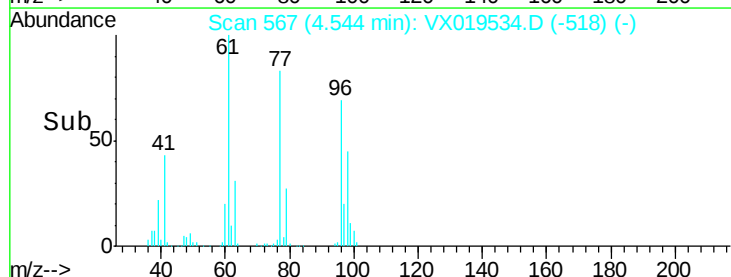
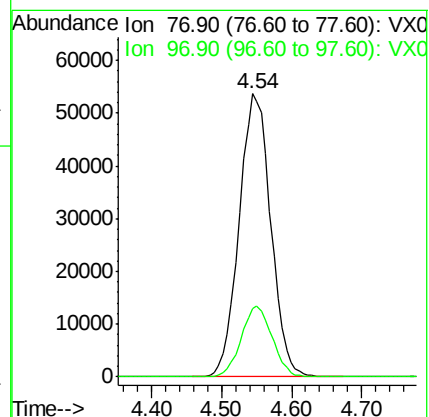
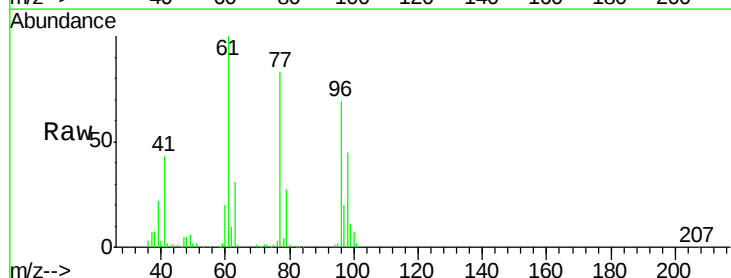
Acq: 21 Nov 2020 08:14

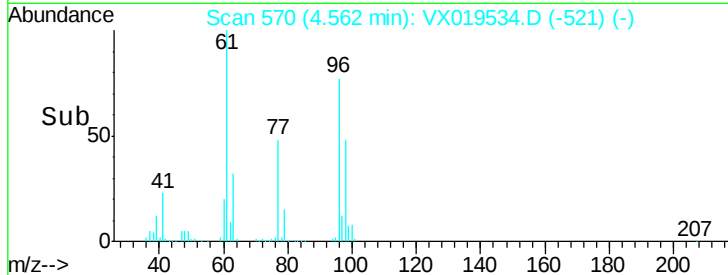
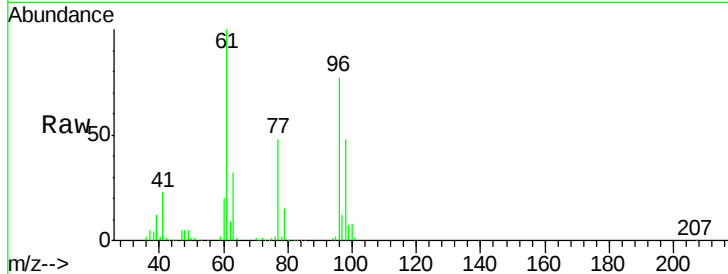
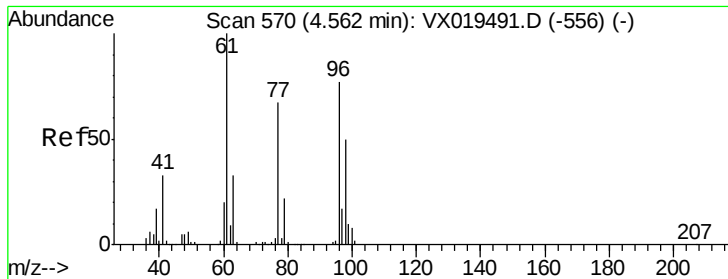
Tgt Ion: 77 Resp: 168826

Ion Ratio Lower Upper

77 100

97 24.4 11.6 34.8





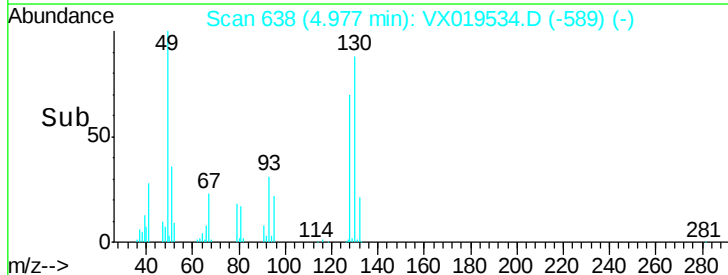
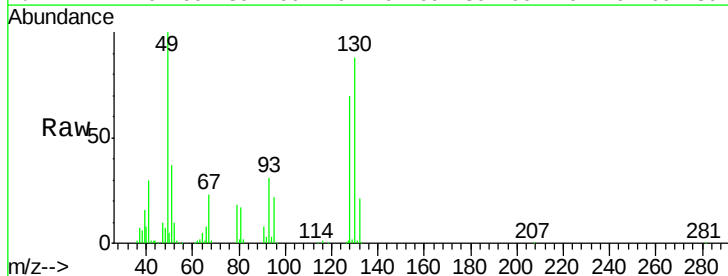
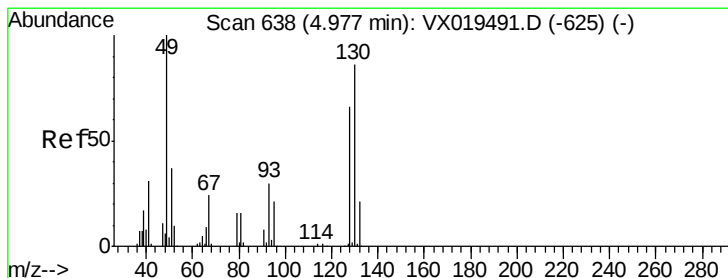
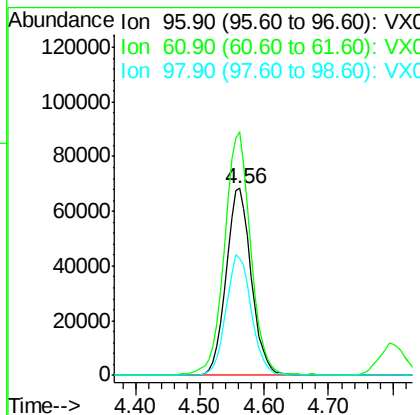
#27
 cis-1,2-Dichloroethene
 Concen: 52.922 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.5	0.0	279.2	
98	64.8	0.0	129.8	

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

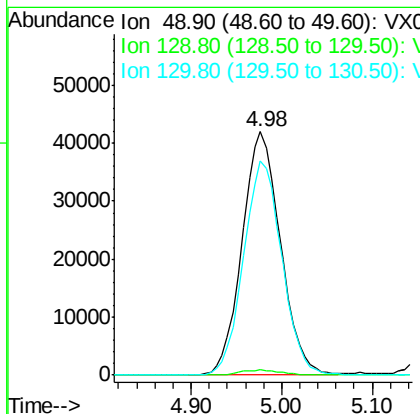
Manual Integrations
 APPROVED

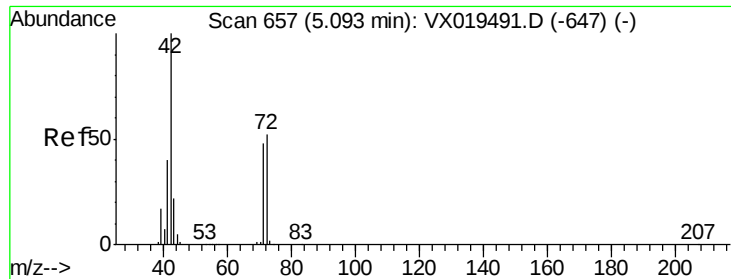
MMDadoda
 11/23/2020 9:34:59 AM



#28
 Bromochloromethane
 Concen: 47.601 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.2	
130	88.1	69.0	103.6	





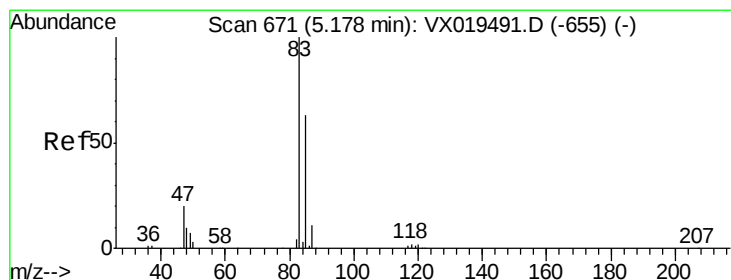
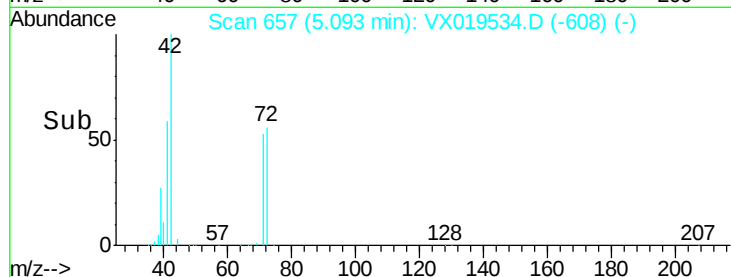
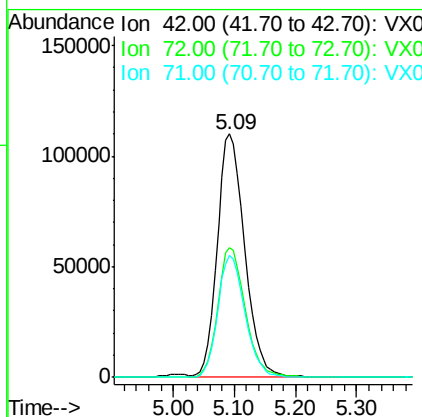
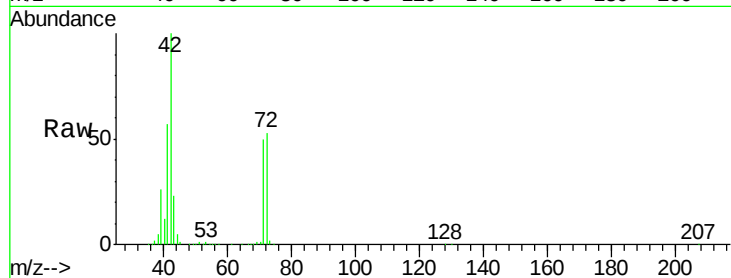
#29
Tetrahydrofuran
Concen: 258.823 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.8	42.6	63.8
71	49.8	39.0	58.6

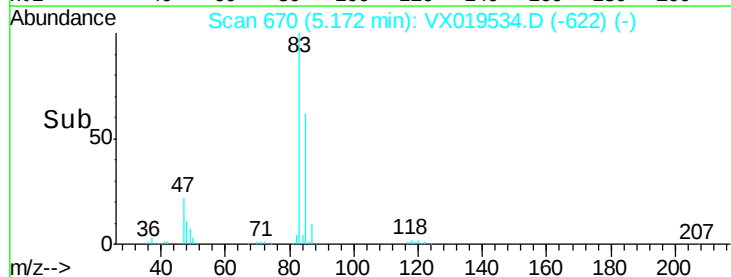
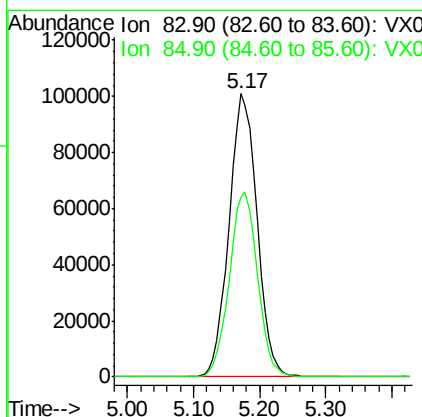
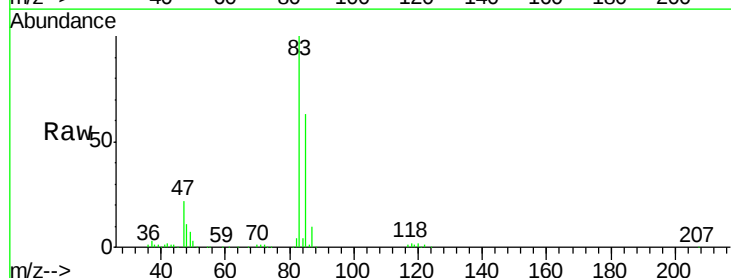
Manual Integrations
APPROVED

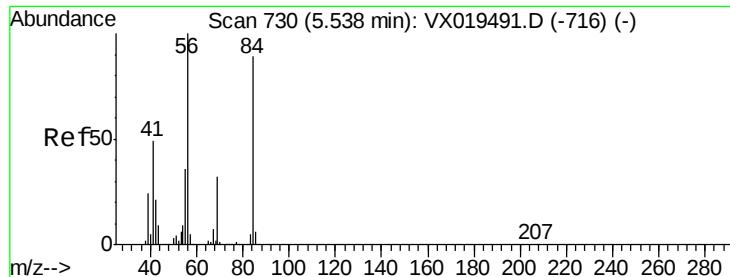
MMDadoda
11/23/2020 9:34:59 AM



#30
Chloroform
Concen: 52.411 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.5	75.7





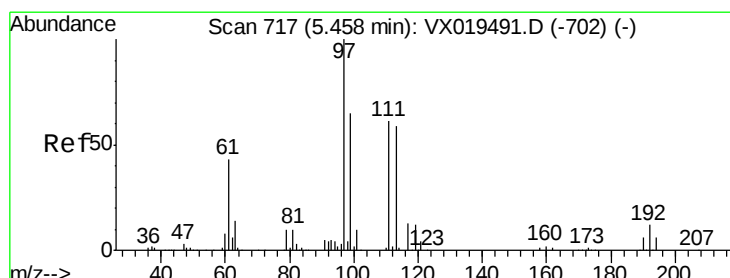
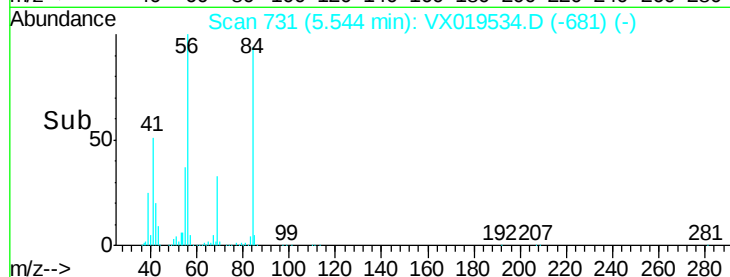
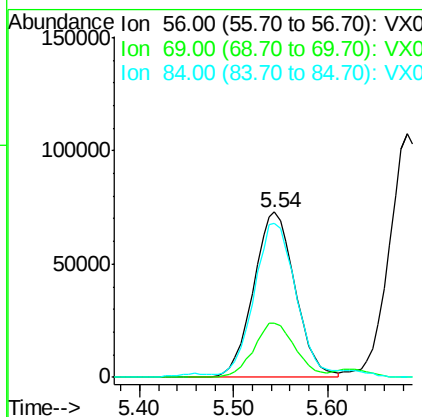
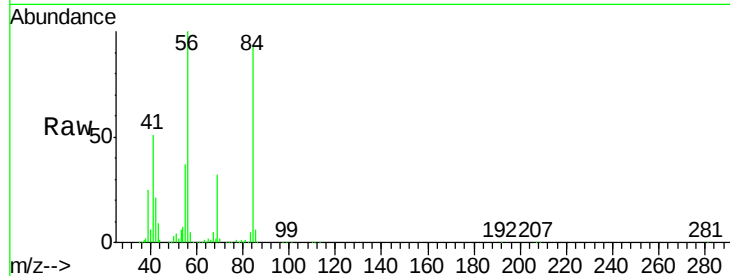
#31
Cvclohexane
Concen: 48.631 ug/l
RT: 5.54 min Scan# 731
Delta R.T. 0.01 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.5	38.3
84	91.8	71.1	106.7

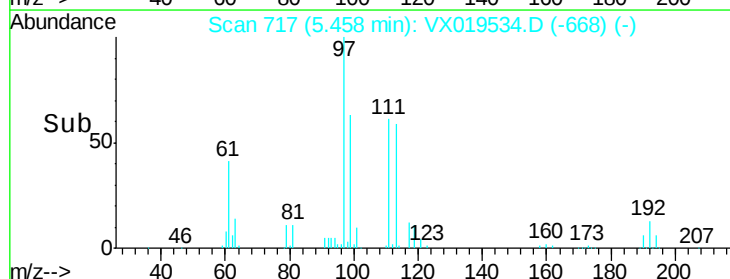
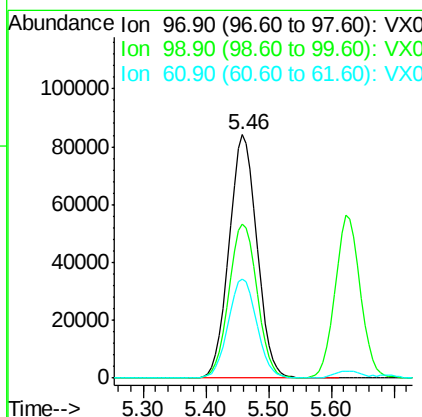
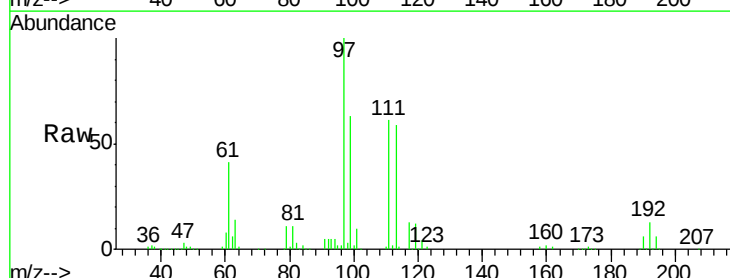
Manual Integrations
APPROVED

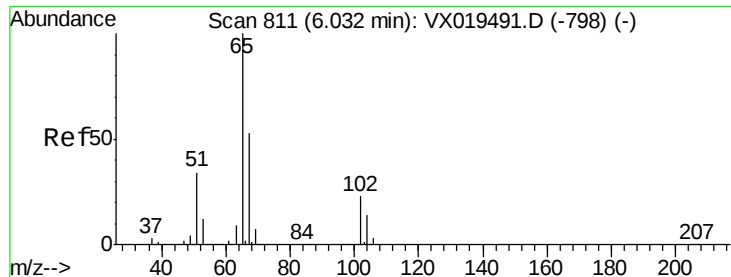
MMDadoda
11/23/2020 9:34:59 AM



#32
1,1,1-Trichloroethane
Concen: 53.188 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	41.8	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 51.004 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 181851

Ion Ratio Lower Upper

65 100

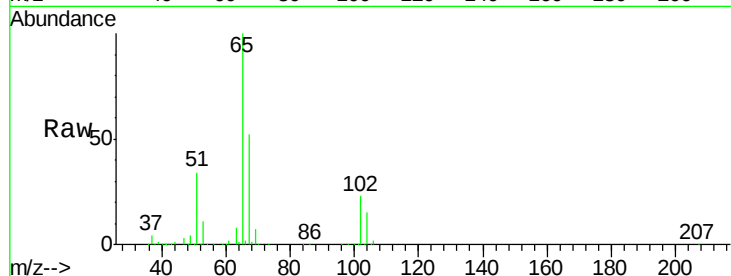
67 52.3 0.0 105.0

Manual Integrations

APPROVED

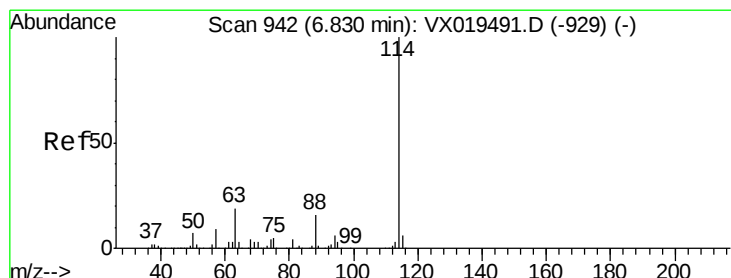
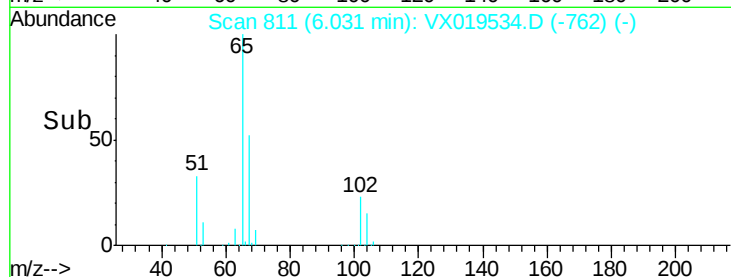
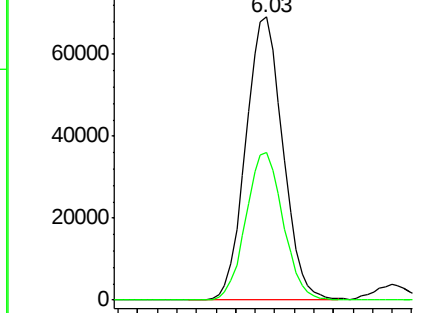
MMDadoda

11/23/2020 9:34:59 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

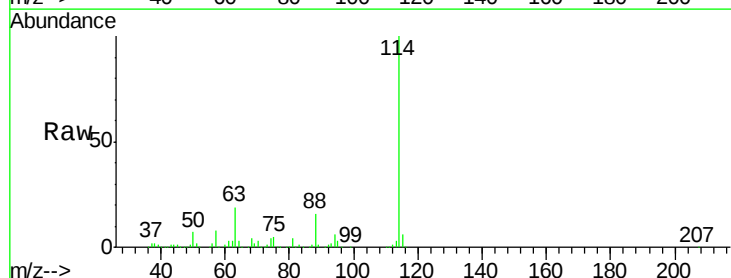
Tgt Ion: 114 Resp: 484052

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

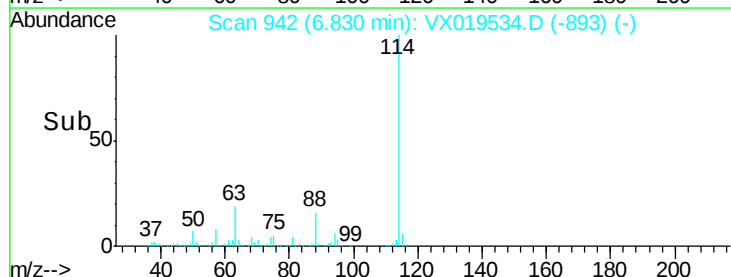
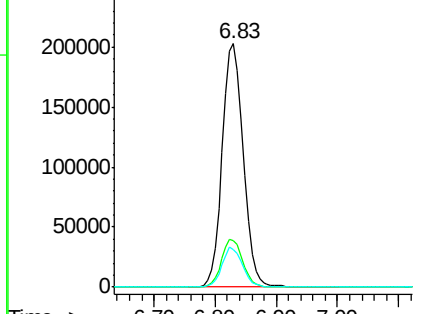
88 15.6 0.0 31.6

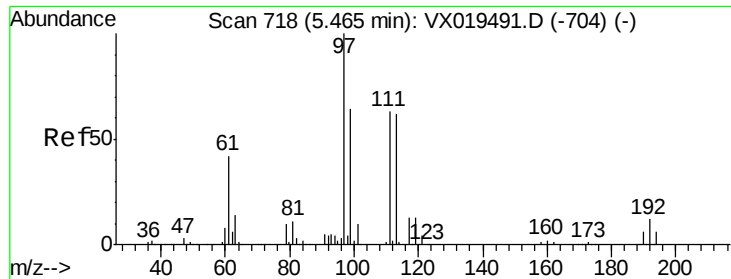


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





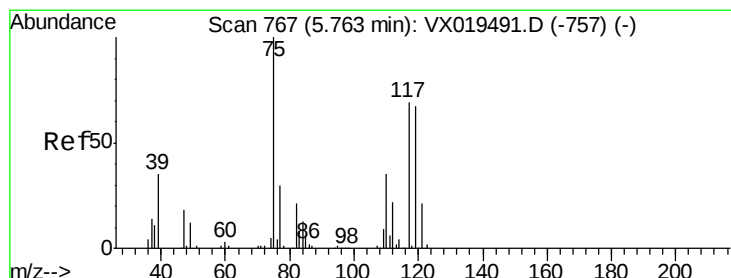
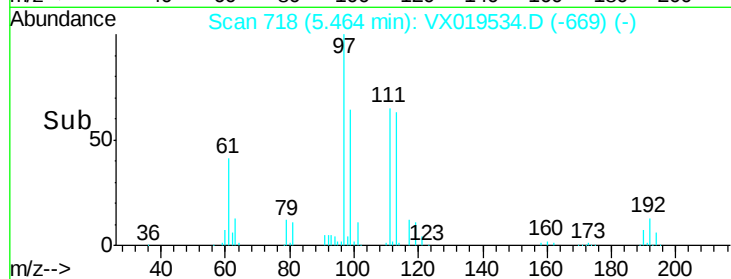
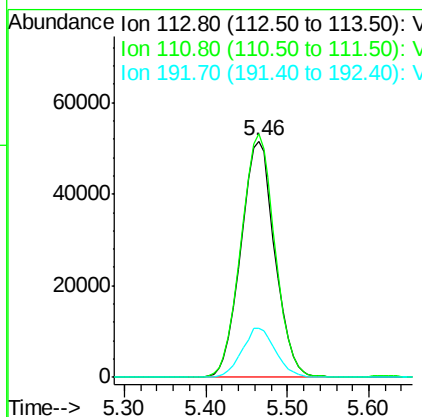
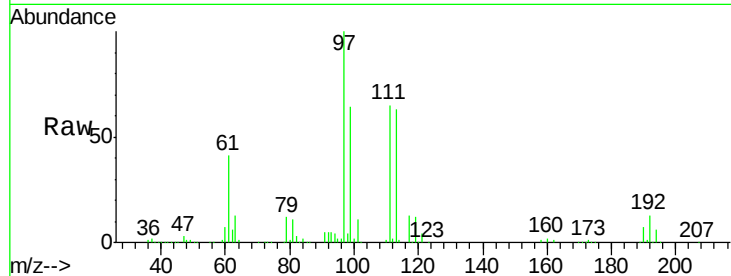
#35
Dibromofluoromethane
Concen: 49.116 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149233		
111	102.8	81.5	122.3	
192	20.5	16.2	24.2	

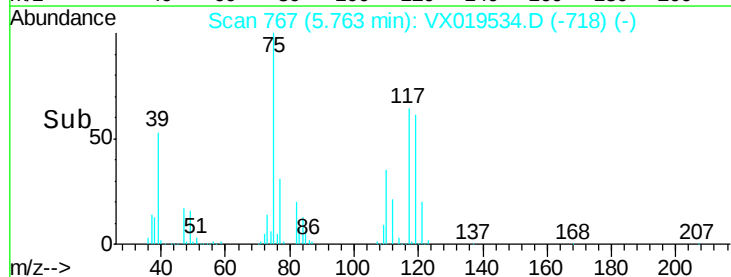
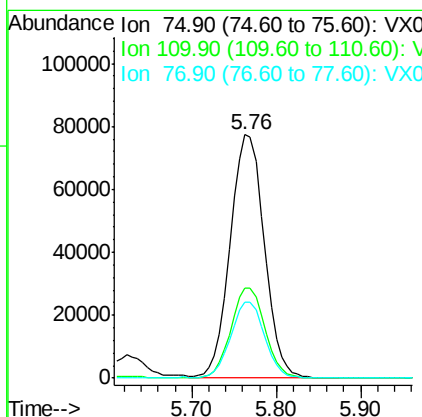
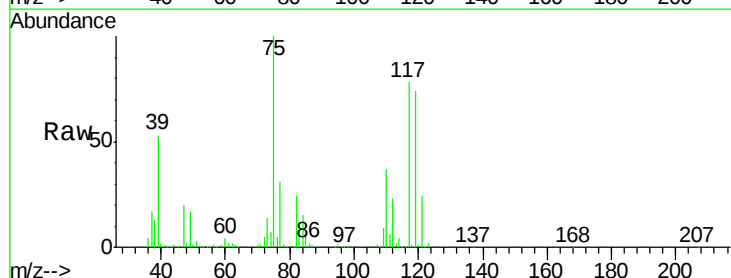
Manual Integrations
APPROVED

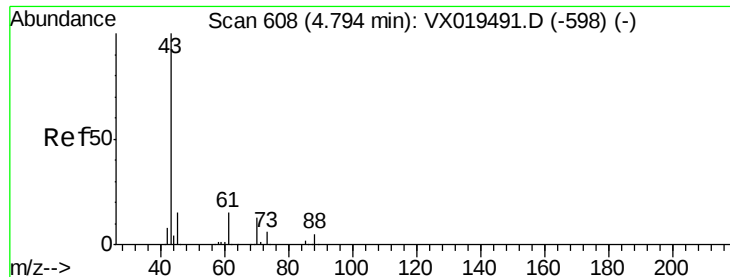
MMDadoda
11/23/2020 9:34:59 AM



#36
1,1-Dichloropropene
Concen: 46.700 ug/l
RT: 5.76 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	211923		
110	37.0	18.1	54.3	
77	31.3	24.2	36.4	





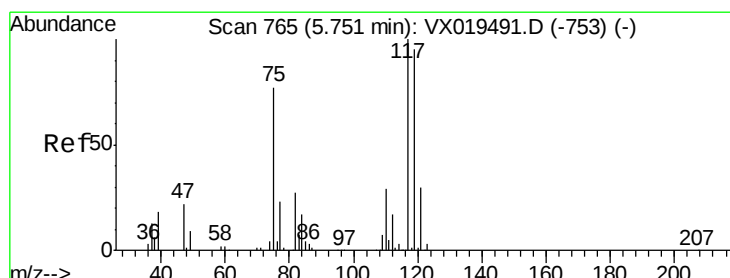
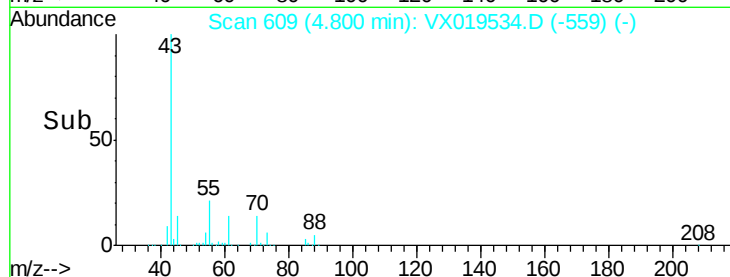
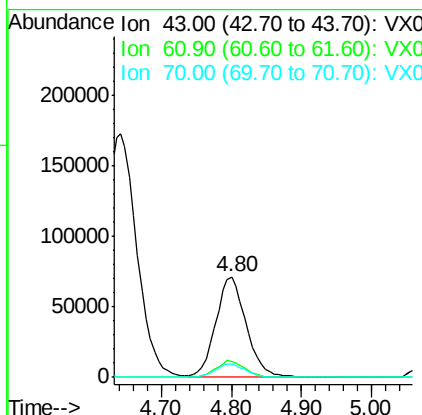
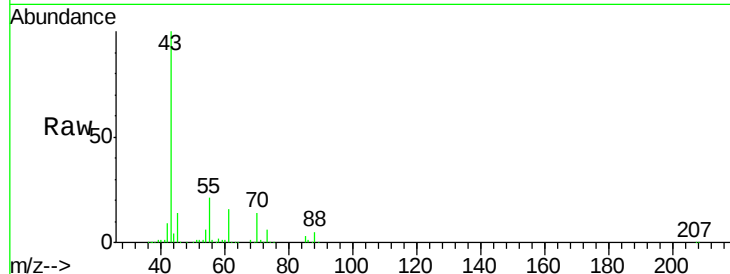
#37
Ethyl Acetate
Concen: 49.885 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.7	19.1
70	13.2	10.2	15.2

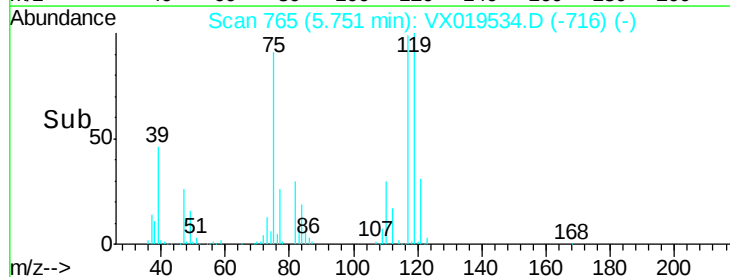
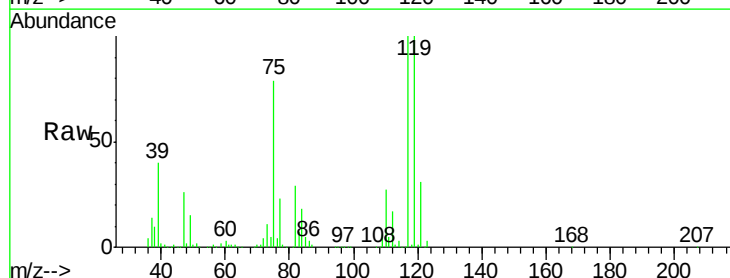
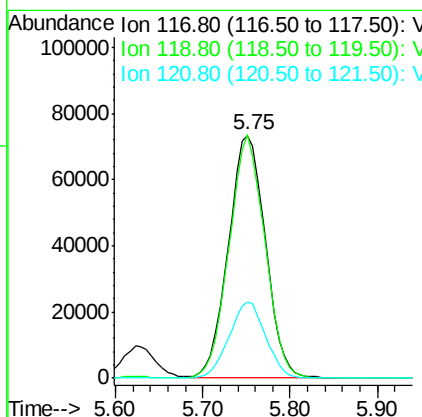
Manual Integrations
APPROVED

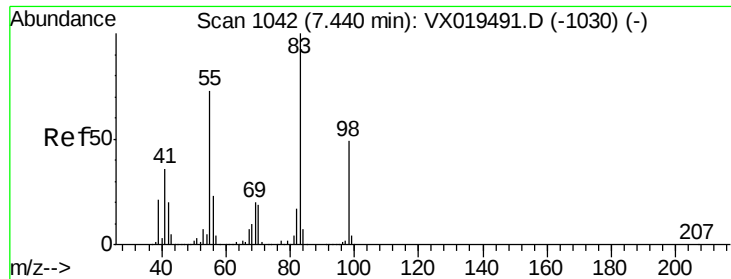
MMDadoda
11/23/2020 9:34:59 AM



#38
Carbon Tetrachloride
Concen: 49.071 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	75.9	113.9
121	31.5	24.0	36.0





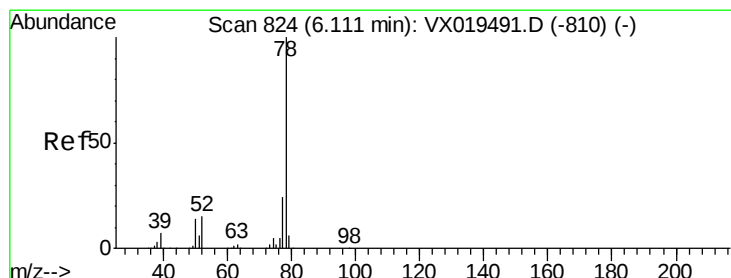
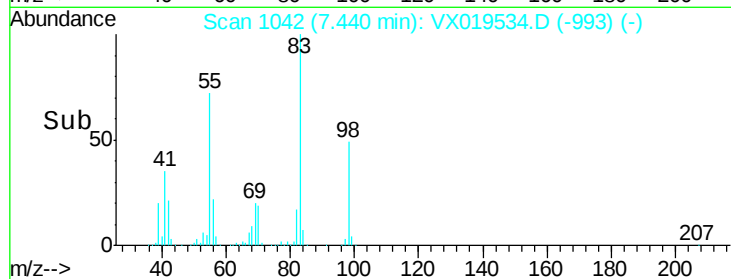
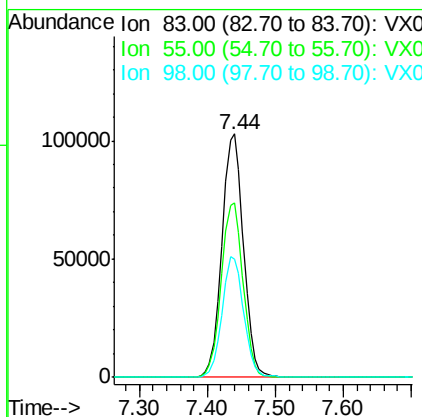
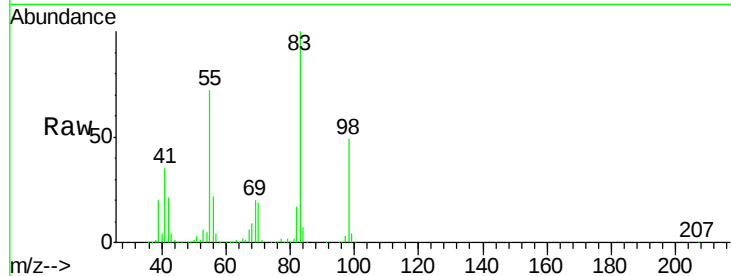
#39
Methvlcvclohexane
Concen: 42.890 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	58.3	87.5
98	48.6	38.9	58.3

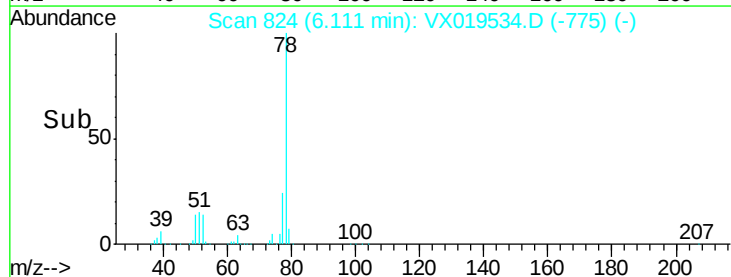
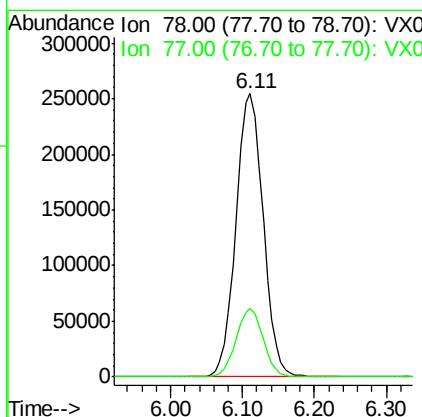
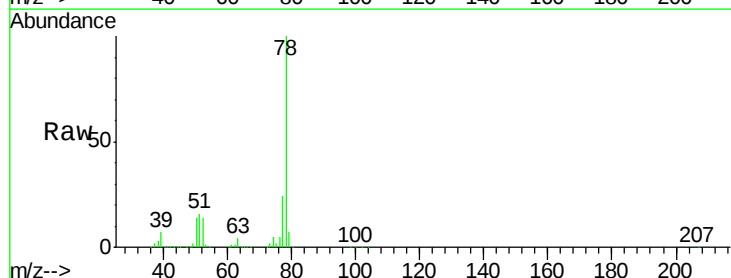
Manual Integrations
APPROVED

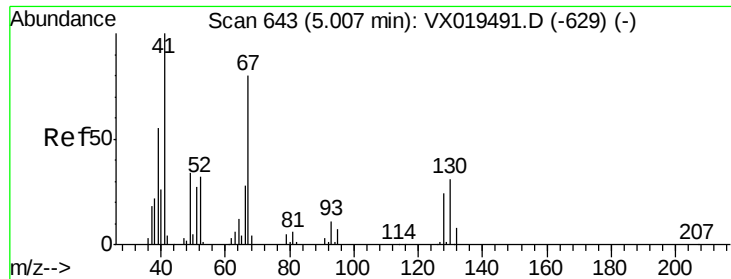
MMDadoda
11/23/2020 9:34:59 AM



#40
Benzene
Concen: 47.971 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3





#41

Methacrylonitrile

Concen: 48.940 ug/l

RT: 5.01 min Scan# 643

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

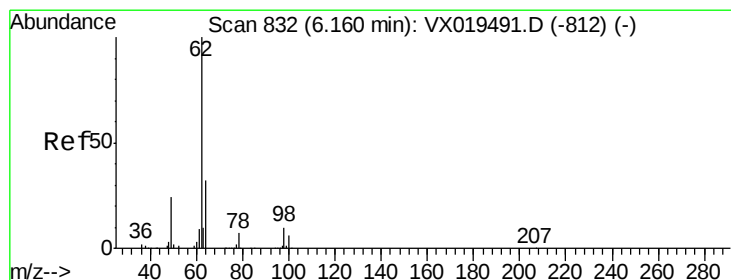
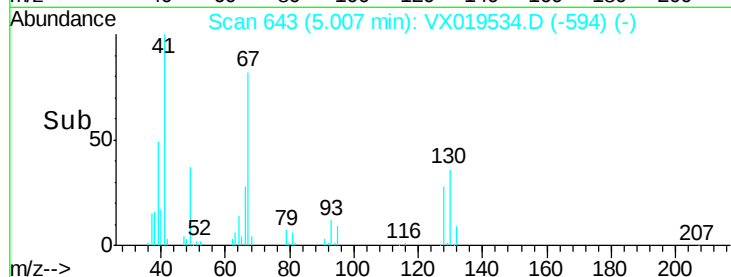
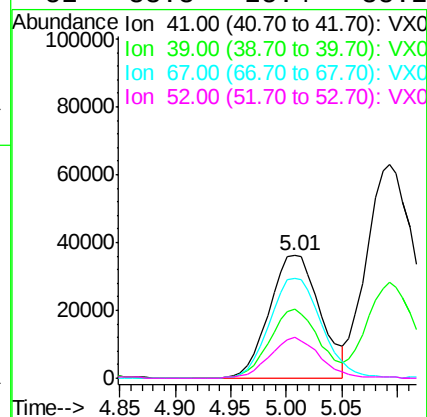
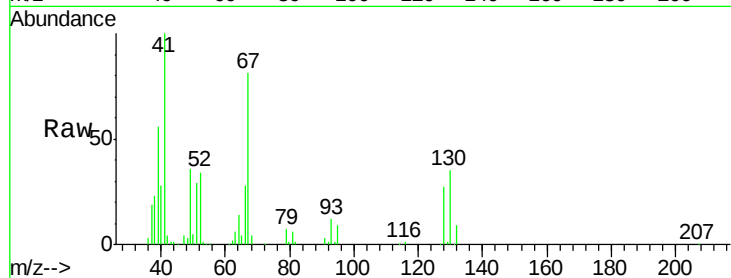
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	114975		
39	54.9		43.3	64.9
67	84.2		66.0	99.0
52	33.3		25.4	38.2

Manual Integrations
APPROVED

MMDadoda
11/23/2020 9:34:59 AM



#42

1,2-Dichloroethane

Concen: 49.120 ug/l

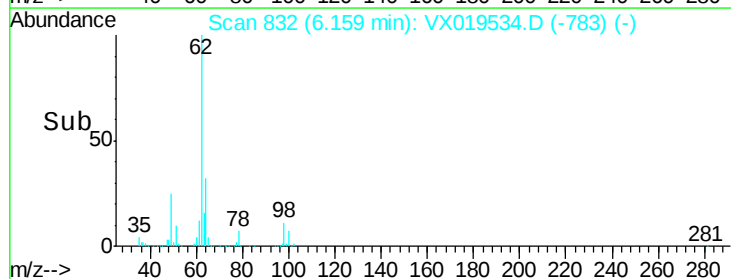
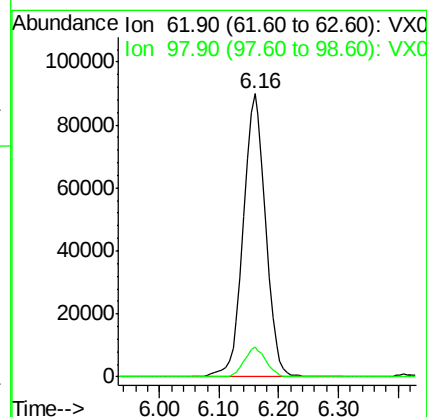
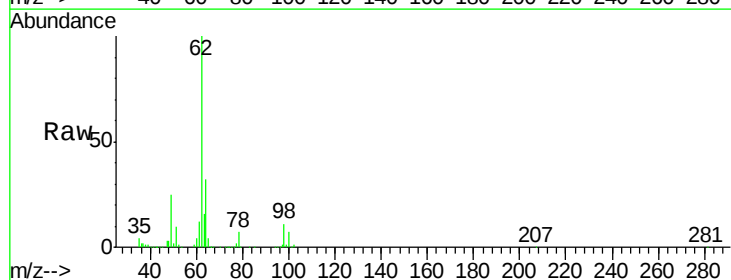
RT: 6.16 min Scan# 832

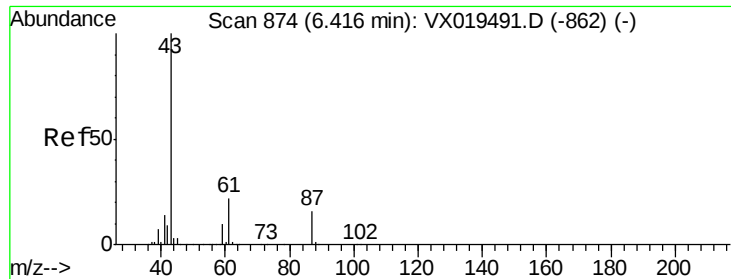
Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	234748		
98	10.1		0.0	20.0





#43

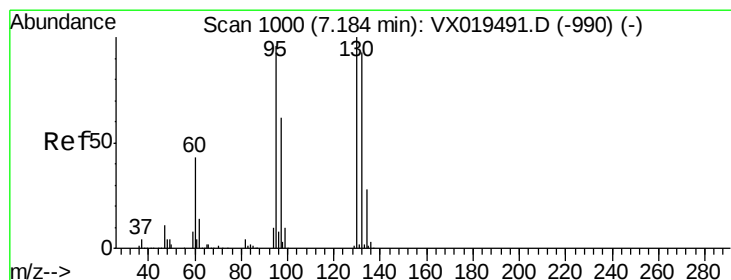
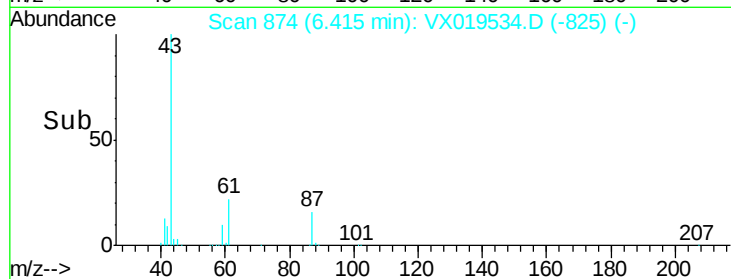
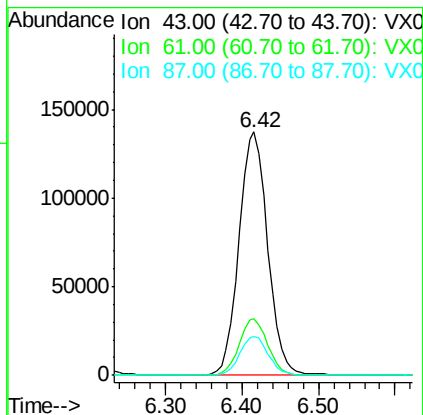
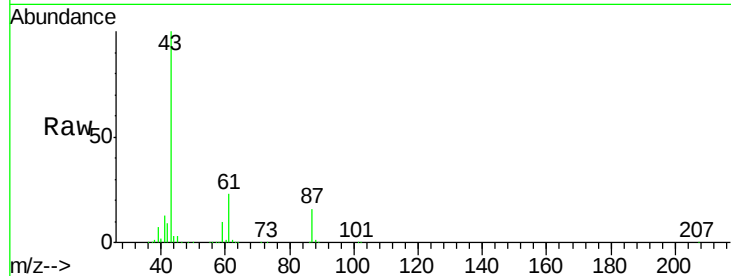
Isopropyl Acetate
 Concen: 49.753 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.2	18.2	27.2
87	15.9	12.6	18.8

Manual Integrations
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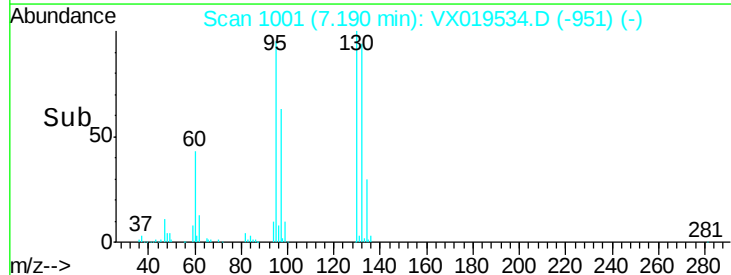
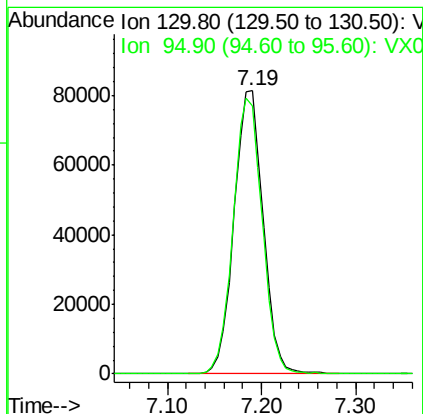
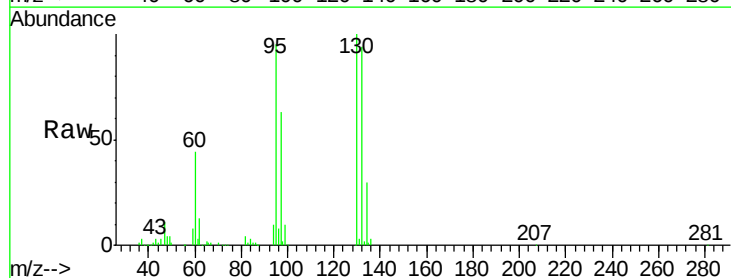
MMDadoda
 11/23/2020 9:34:59 AM

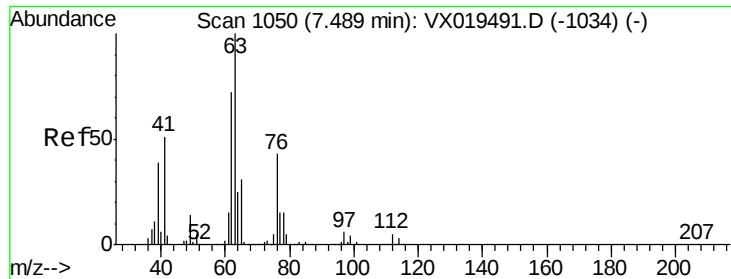


#44

Trichloroethene
 Concen: 47.854 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	191.2





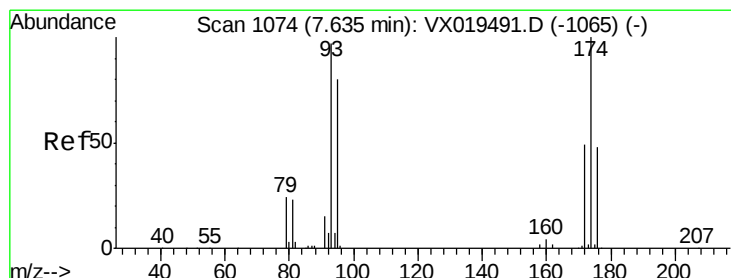
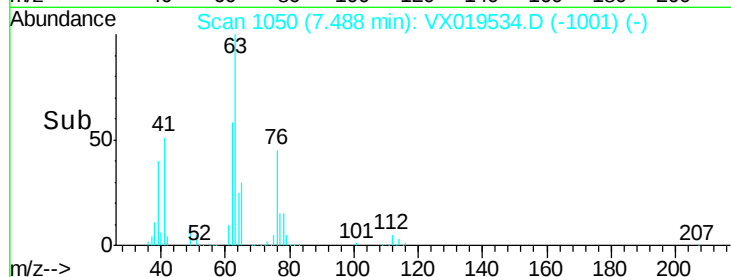
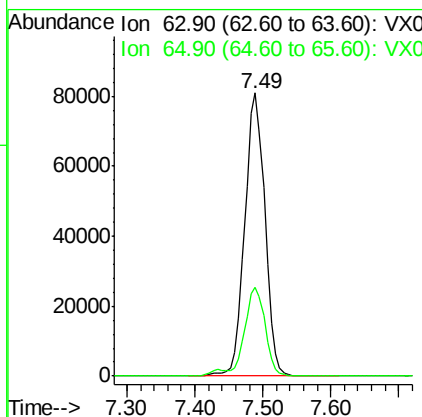
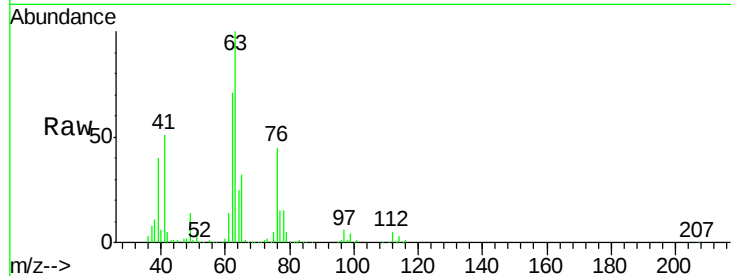
#45
 1,2-Dichloropropane
 Concen: 48.800 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 167505
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

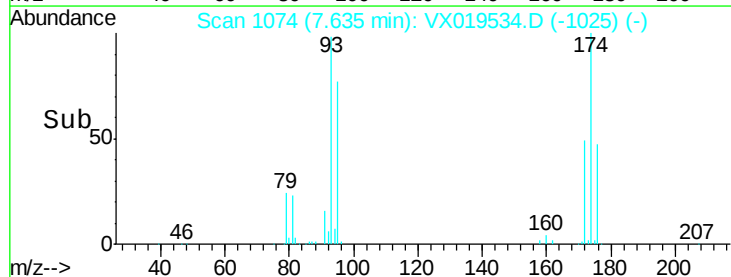
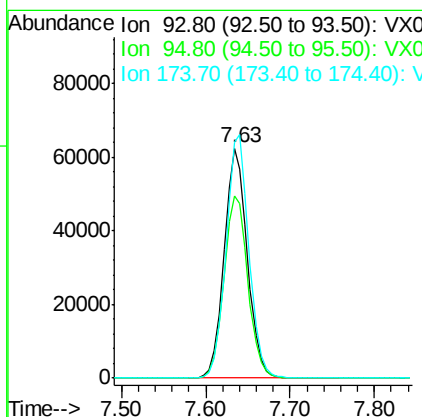
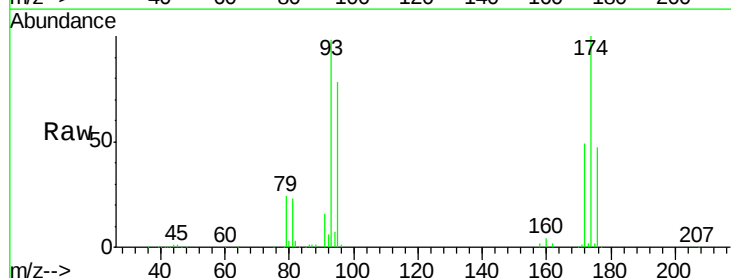
Manual Integrations
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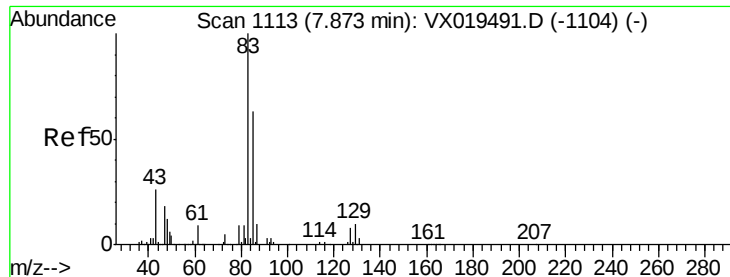
MMDadoda
 11/23/2020 9:34:59 AM



#46
 Dibromomethane
 Concen: 49.862 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion: 93 Resp: 117140
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.8 100.2
 174 104.7 83.0 124.4





#47

Bromodichloromethane

Concen: 50.943 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

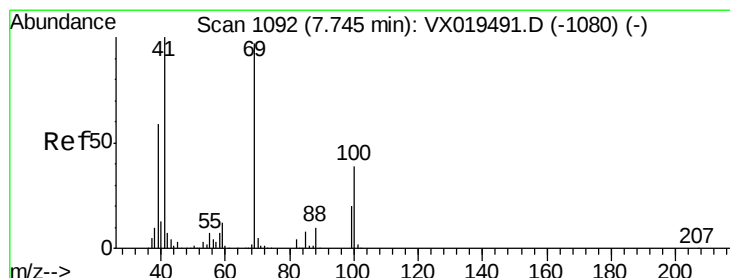
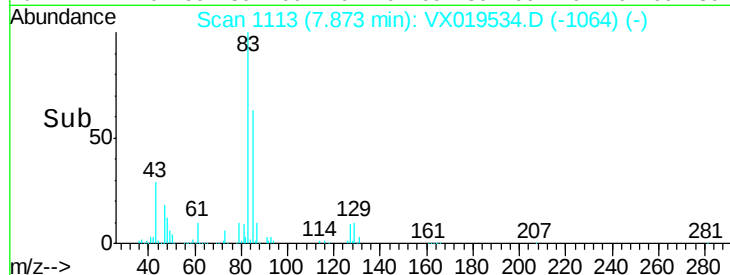
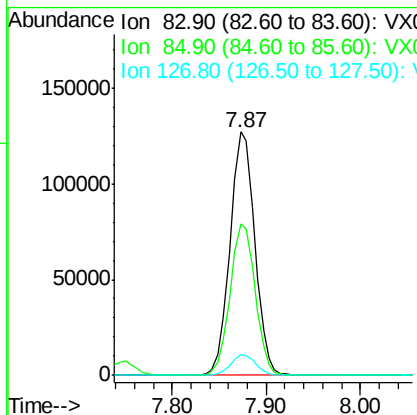
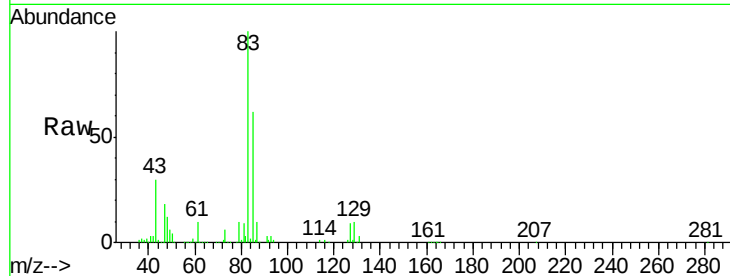
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	232233
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.2	75.2
127	8.7	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.733 ug/l

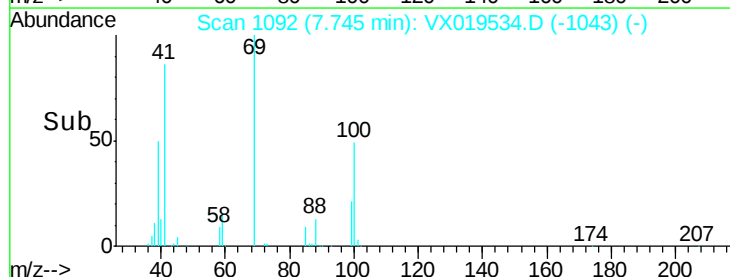
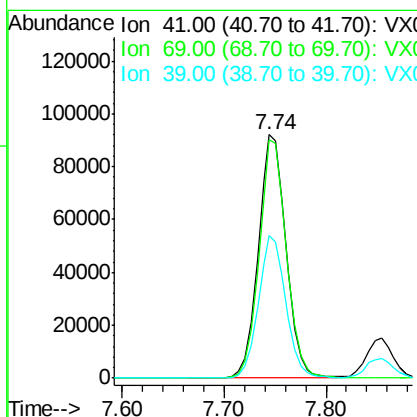
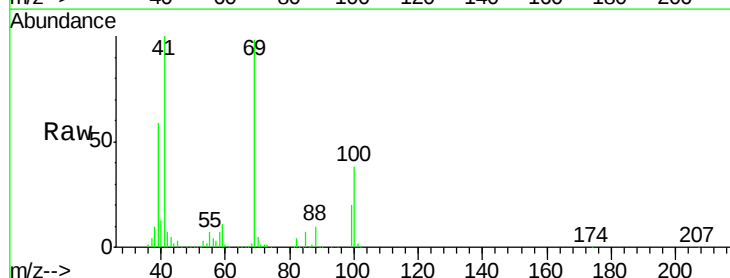
RT: 7.74 min Scan# 1092

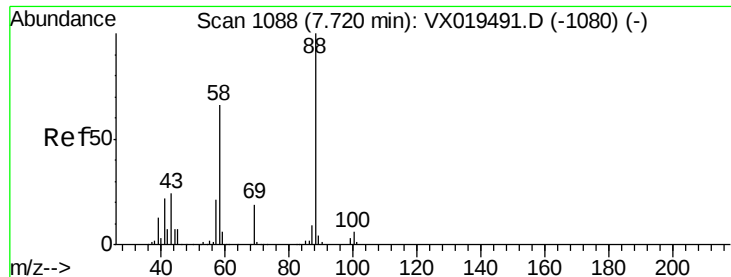
Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Tgt Ion:	41	Resp:	173508
Ion	Ratio	Lower	Upper
41	100		
69	96.7	77.0	115.6
39	58.1	45.6	68.4





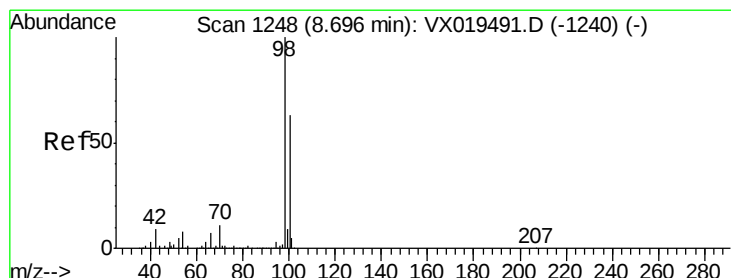
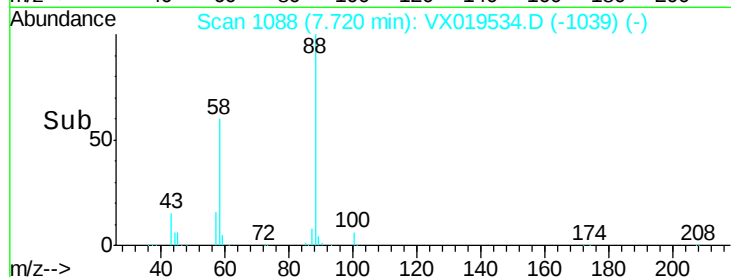
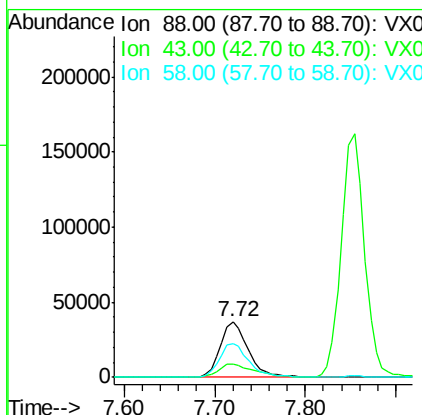
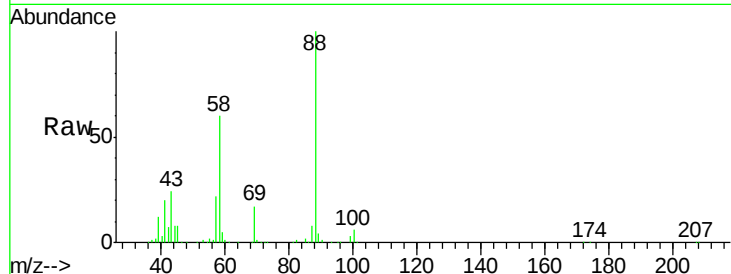
#49
1,4-Dioxane
Concen: 1042.329 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.9	23.8	35.6
58	64.6	54.2	81.2

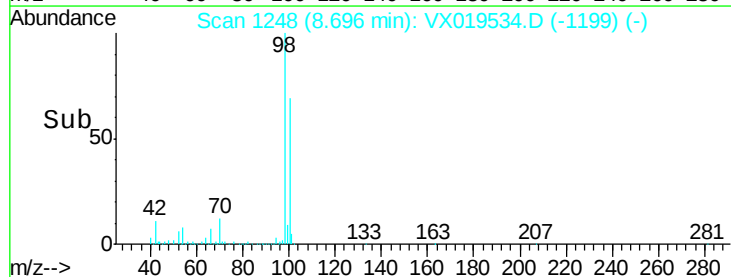
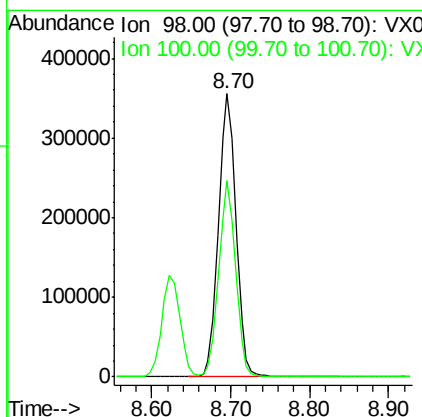
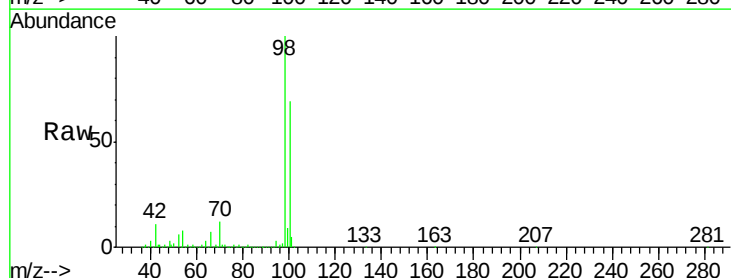
Manual Integrations
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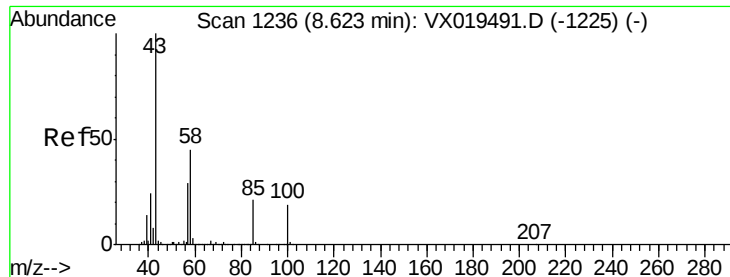
MMDadoda
11/23/2020 9:34:59 AM



#50
Toluene-d8
Concen: 46.753 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 250.777 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1047264

Ion Ratio Lower Upper

43 100

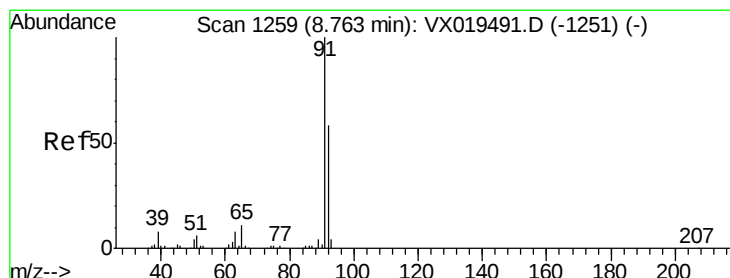
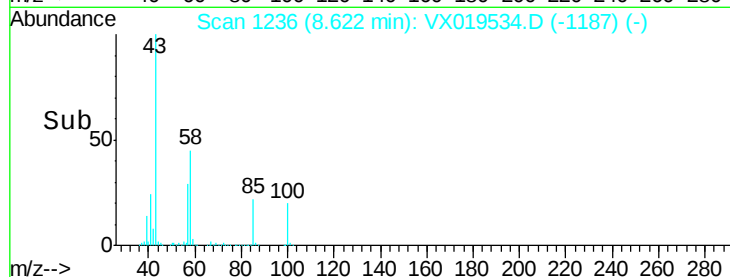
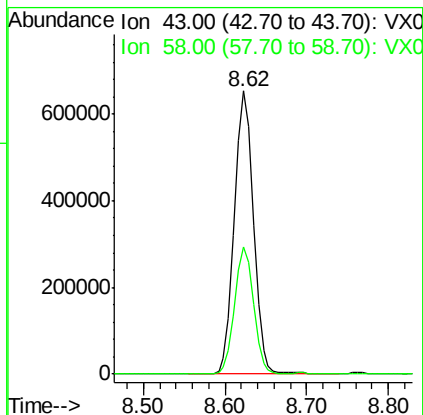
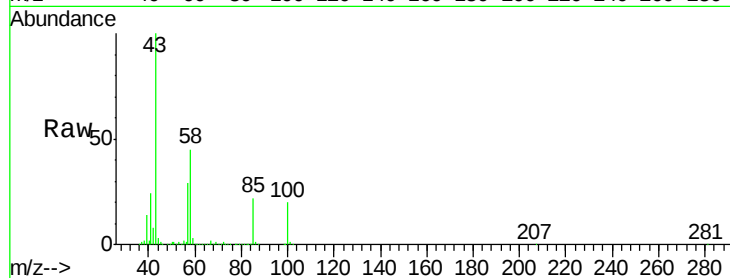
58 44.5 35.1 52.7

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#52

Toluene

Concen: 48.638 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019534.D

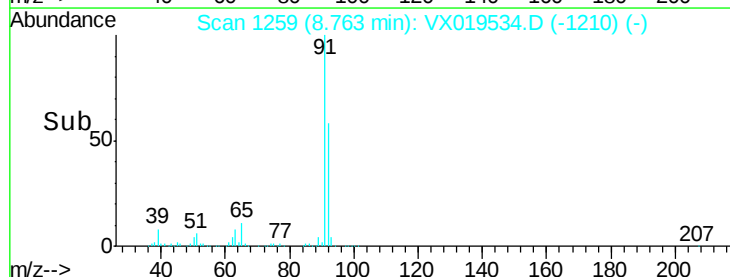
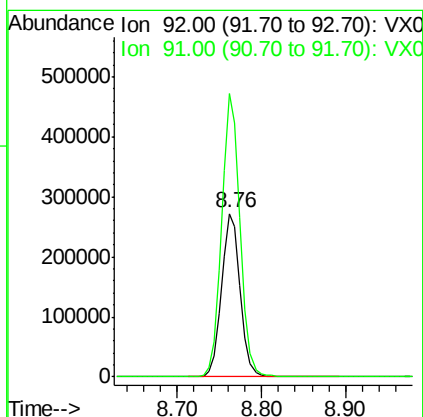
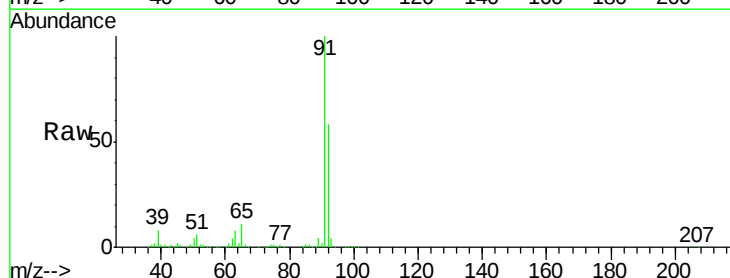
Acq: 21 Nov 2020 08:14

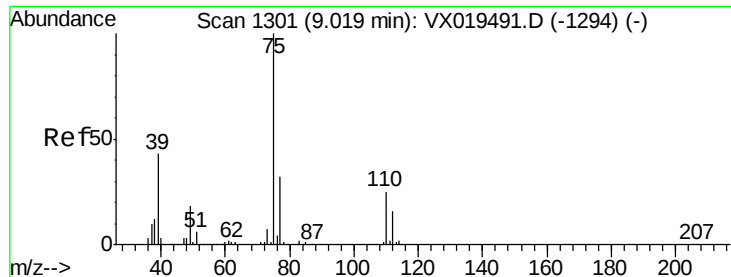
Tgt Ion: 92 Resp: 414868

Ion Ratio Lower Upper

92 100

91 171.1 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 49.089 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Tot Ion: 75 Resp: 241683

Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9

Instrument :

MSVOA_X

ClientSampleId :

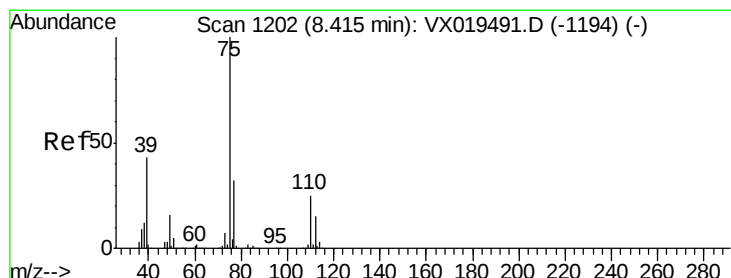
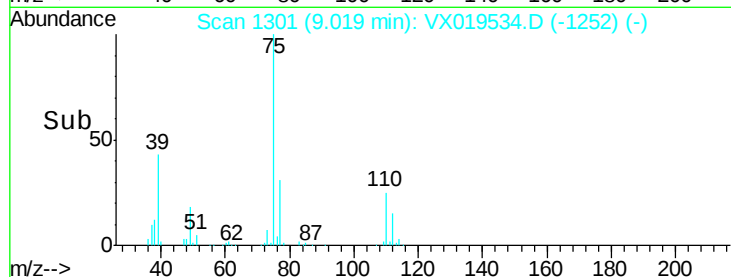
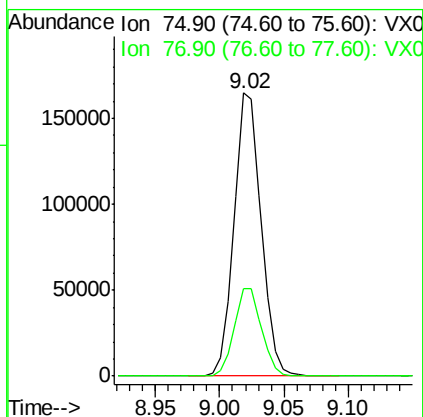
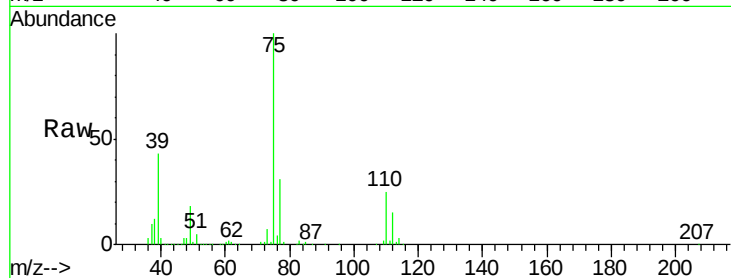
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 48.401 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

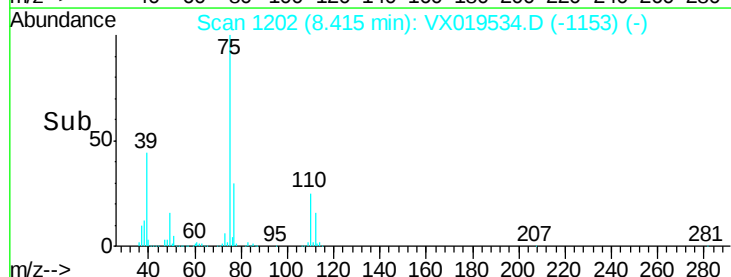
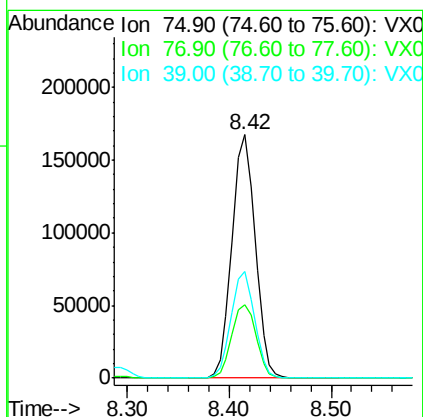
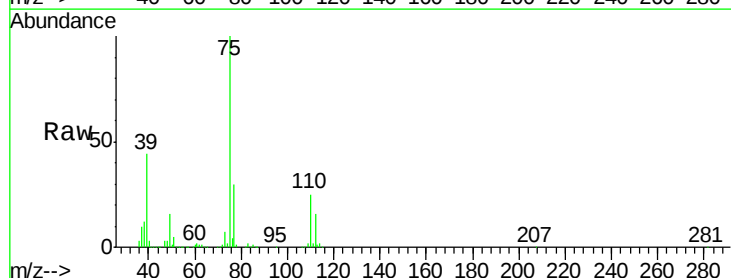
Tgt Ion: 75 Resp: 264449

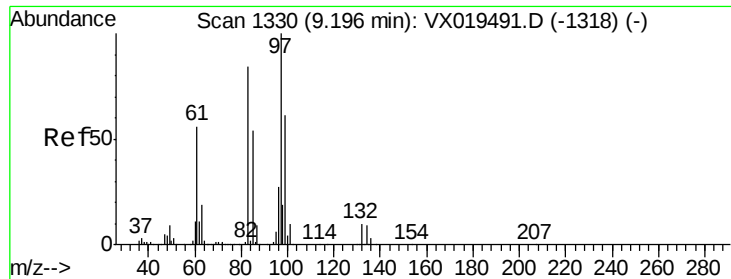
Ion Ratio Lower Upper

75 100

77 30.3 25.8 38.6

39 43.8 34.6 51.8





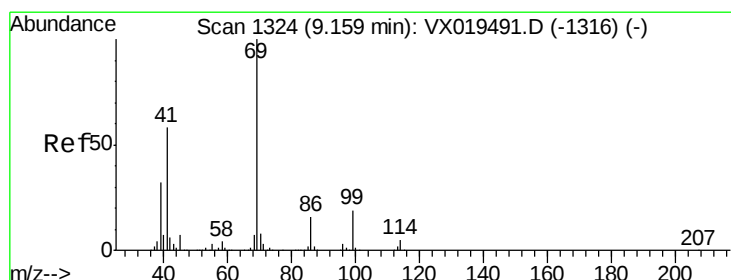
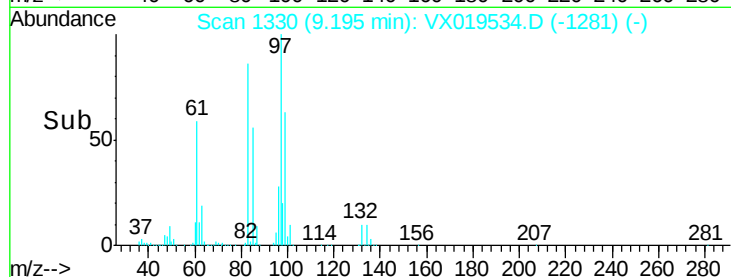
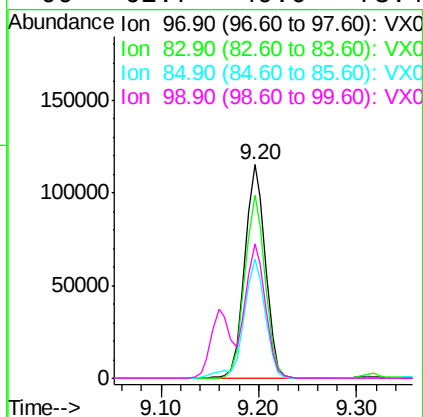
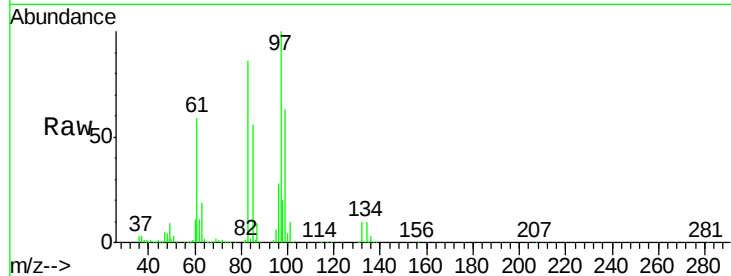
#55
 1,1,2-Trichloroethane
 Concen: 48.636 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	168953
Ion Ratio	Lower	Upper	
97	100		
83	85.9	67.0	100.6
85	55.9	43.4	65.0
99	62.7	49.0	73.4

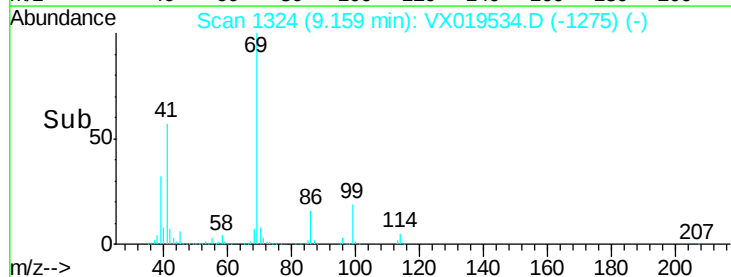
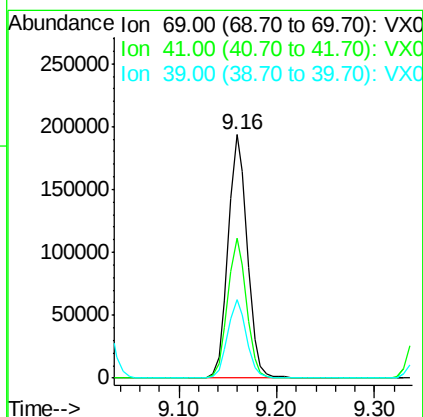
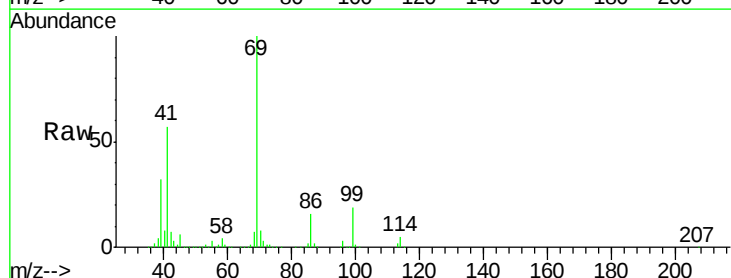
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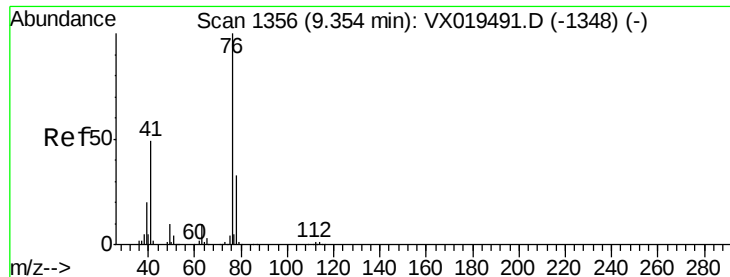
MMDadoda
 11/23/2020 9:34:59 AM



#56
 Ethyl methacrylate
 Concen: 53.634 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion:	69	Resp:	263635
Ion Ratio	Lower	Upper	
69	100		
41	56.6	46.2	69.2
39	31.8	25.5	38.3





#57

1,3-Dichloropropane

Concen: 48.954 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 284711

Ion Ratio Lower Upper

76 100

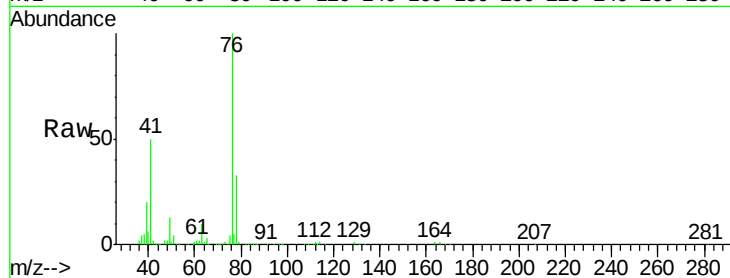
78 32.9 25.7 38.5

Manual Integrations

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MMDadoda

11/23/2020 9:34:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

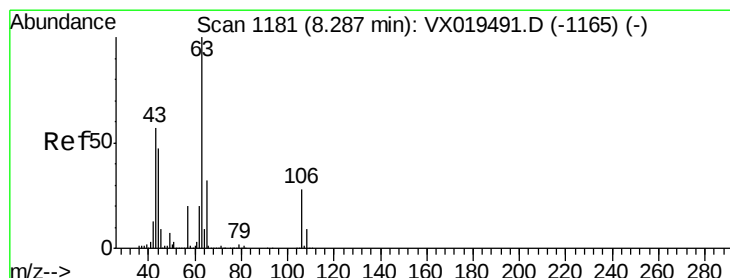
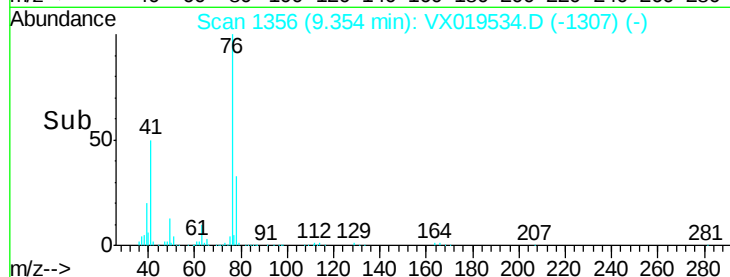
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 236.489 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX019534.D

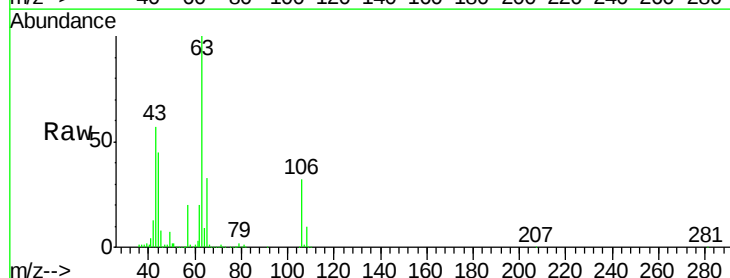
Acq: 21 Nov 2020 08:14

Tgt Ion: 63 Resp: 681146

Ion Ratio Lower Upper

63 100

106 30.6 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

500000

400000

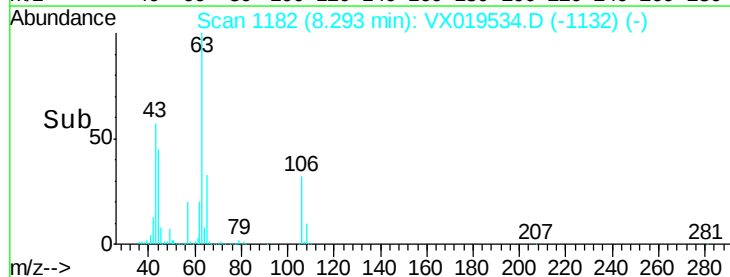
300000

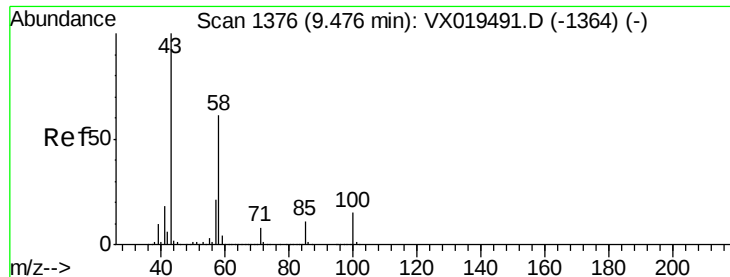
200000

100000

0

Time--> 8.20 8.30 8.40





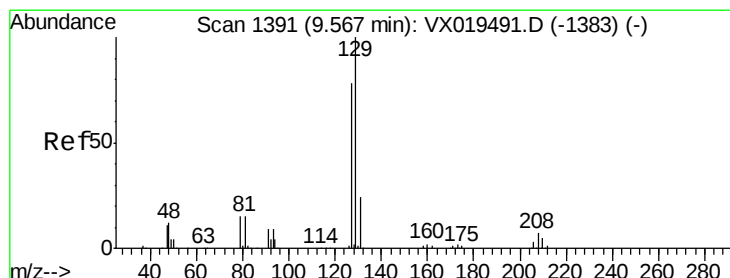
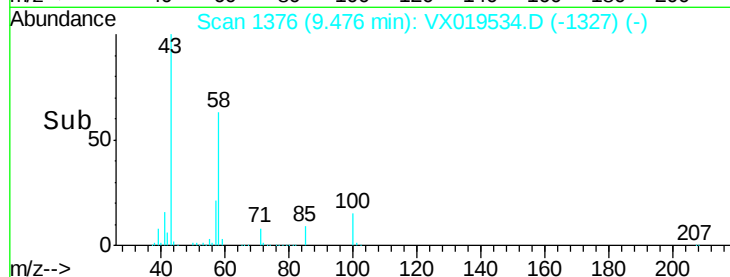
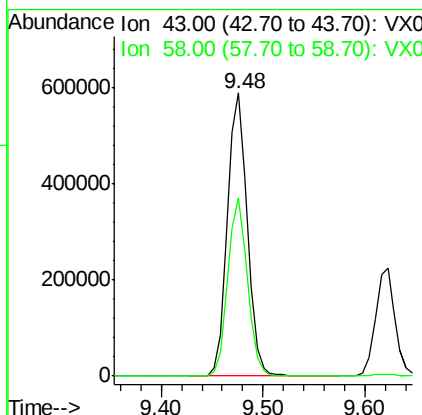
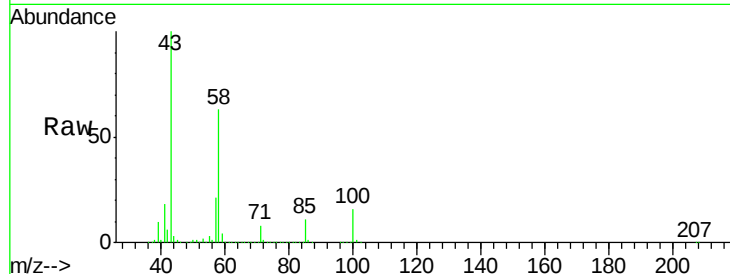
#59
2-Hexanone
Concen: 249.468 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	62.1	30.6	91.6

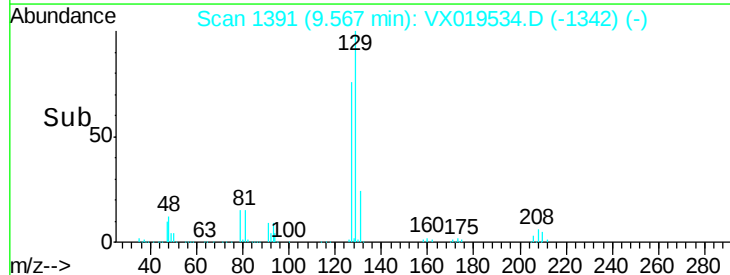
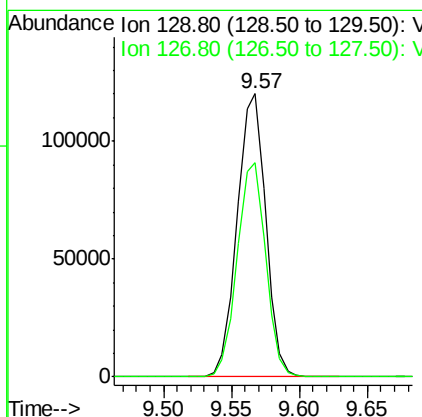
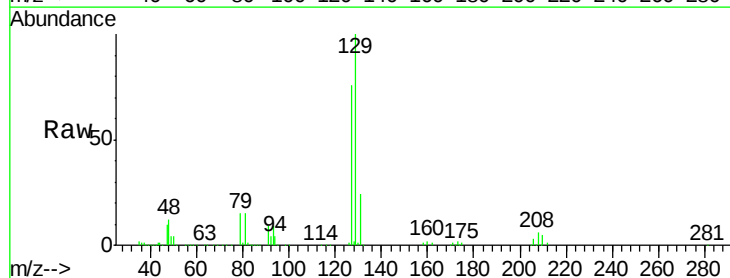
Manual Integrations
APPROVED

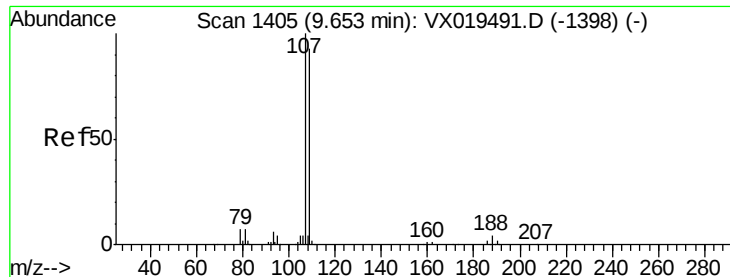
MMDadoda
11/23/2020 9:34:59 AM



#60
Dibromochloromethane
Concen: 51.761 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	39.0	116.9





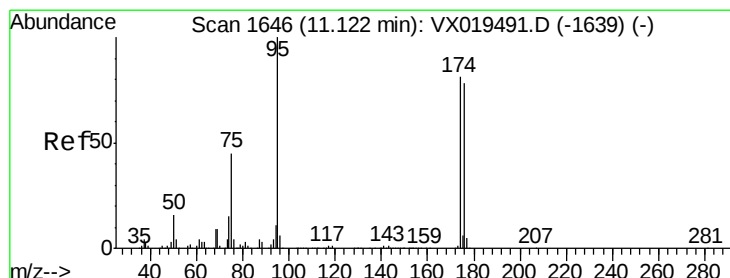
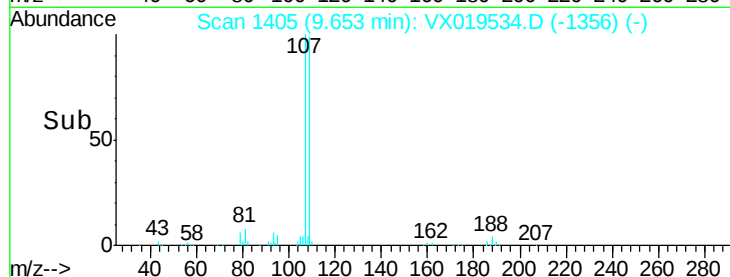
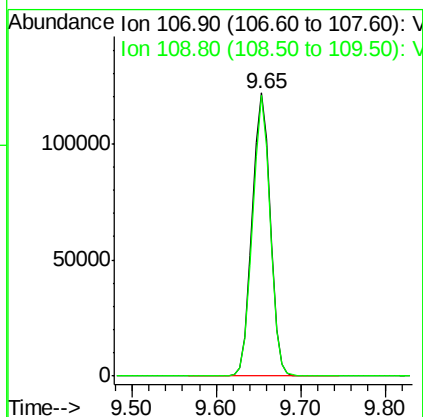
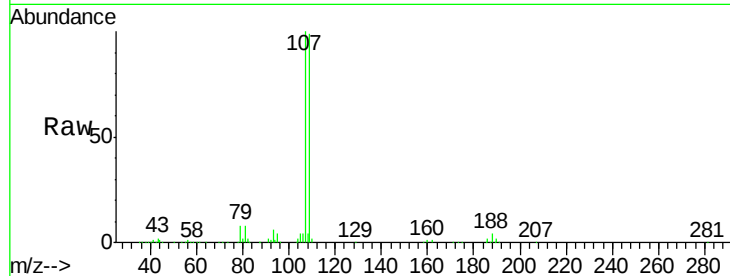
#61
 1,2-Dibromoethane
 Concen: 49.200 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	74.8	112.2

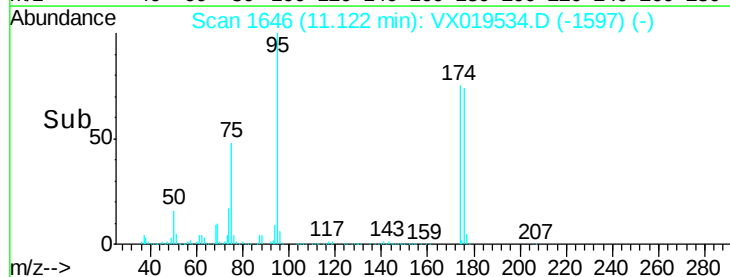
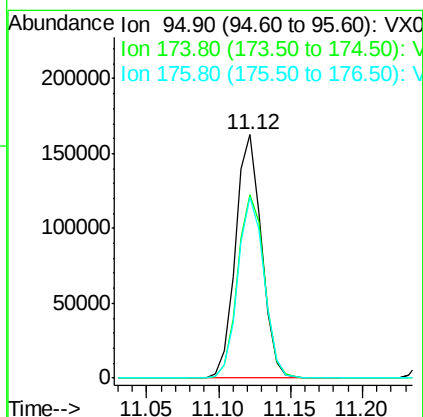
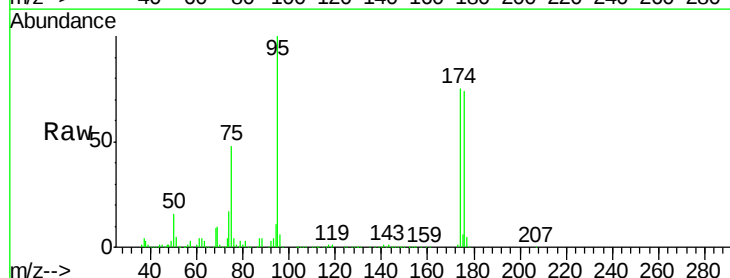
Manual Integrations
 APPROVED

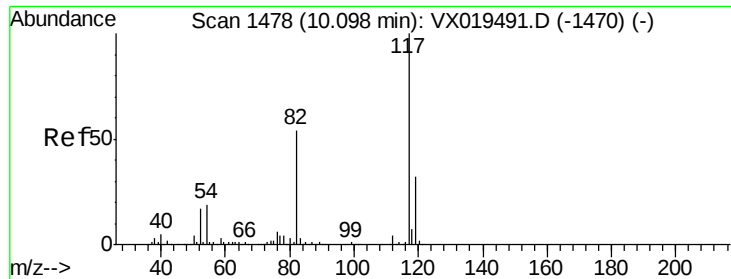
MMDadoda
 11/23/2020 9:34:59 AM



#62
 4-Bromofluorobenzene
 Concen: 48.368 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	156.2
176	75.2	0.0	151.4





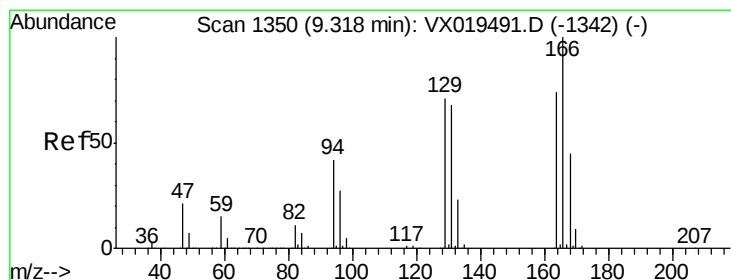
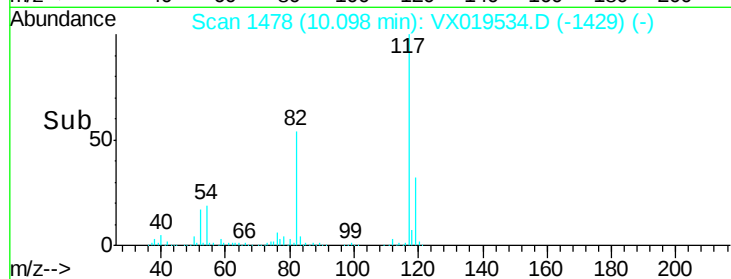
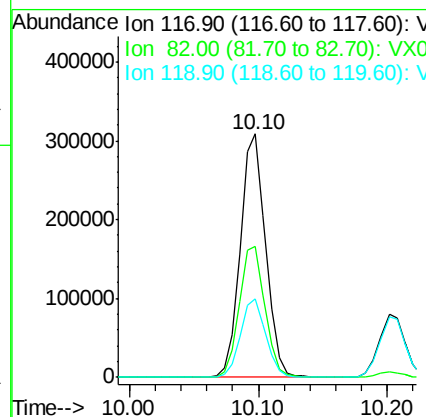
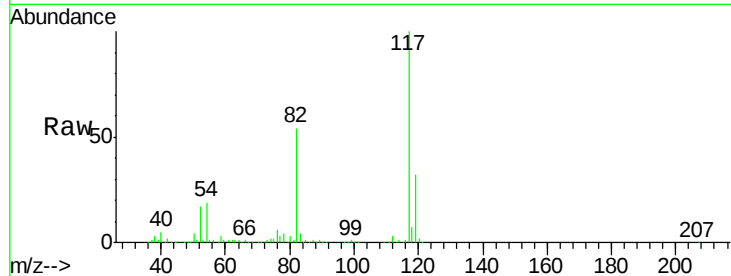
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419037		
82	53.6	43.0	64.4	
119	32.0	25.6	38.4	

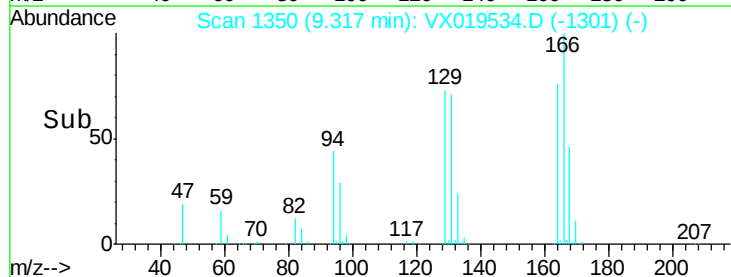
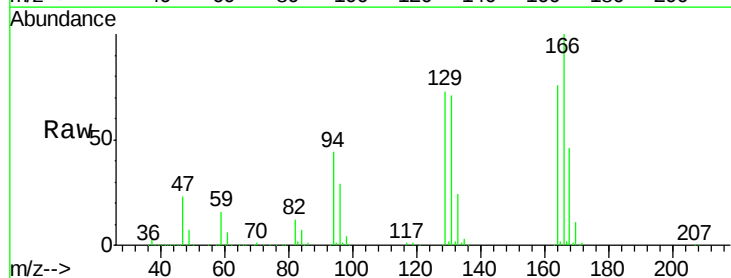
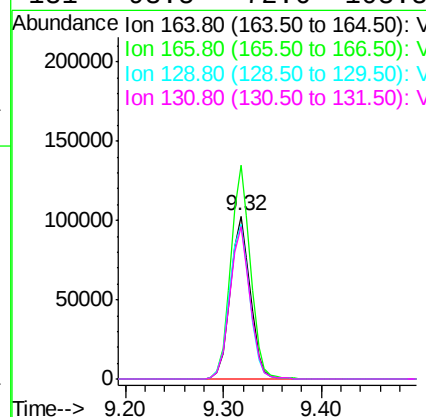
Manual Integrations
APPROVED

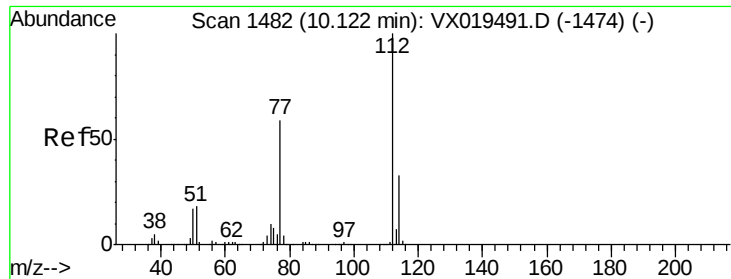
MMDadoda
11/23/2020 9:34:59 AM



#64
Tetrachloroethene
Concen: 44.082 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145198		
166	131.2	107.4	161.0	
129	95.1	76.6	114.8	
131	93.5	72.6	108.8	





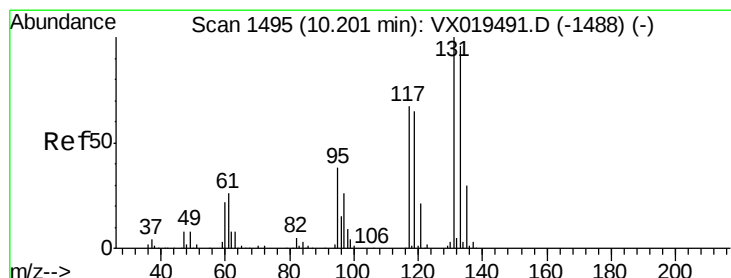
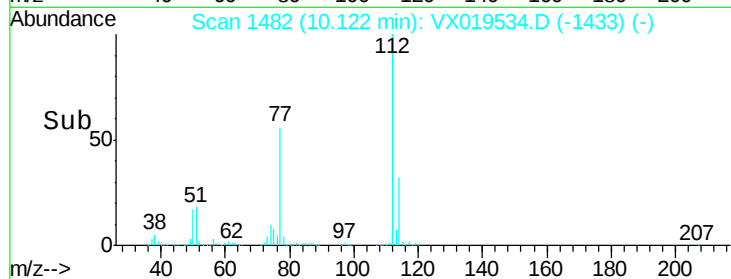
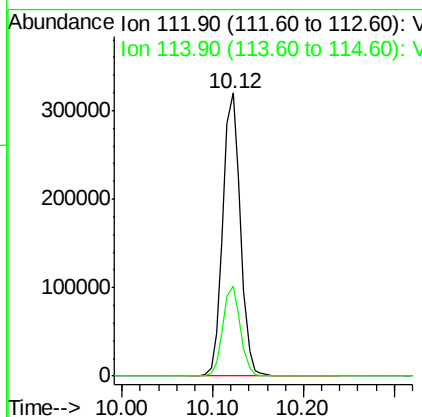
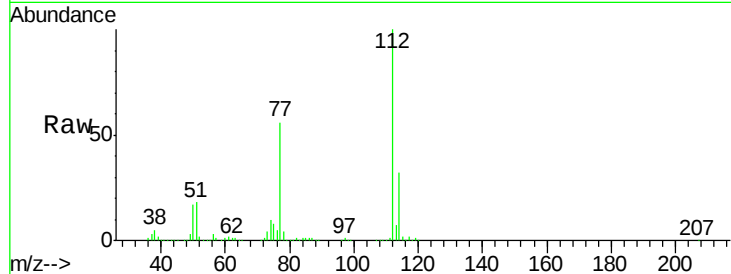
#65
Chlorobenzene
Concen: 50.042 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 431138
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0

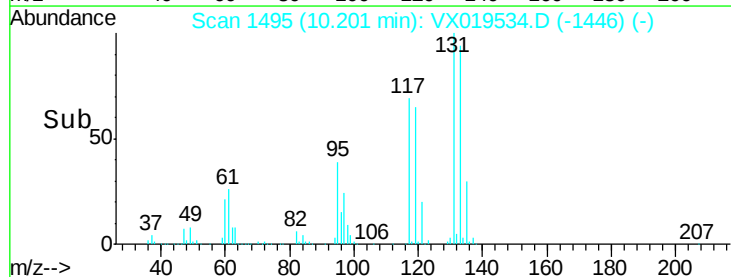
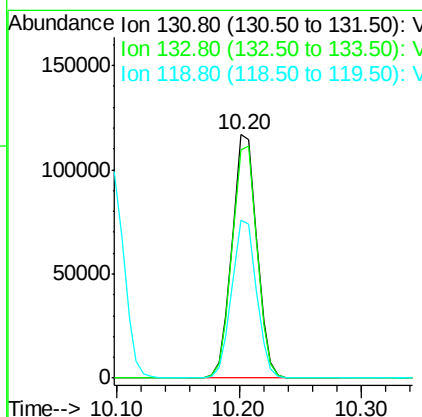
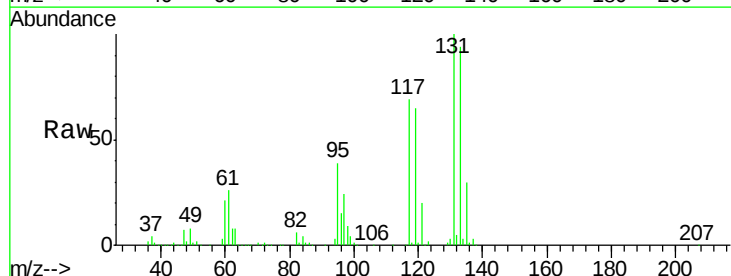
Manual Integrations
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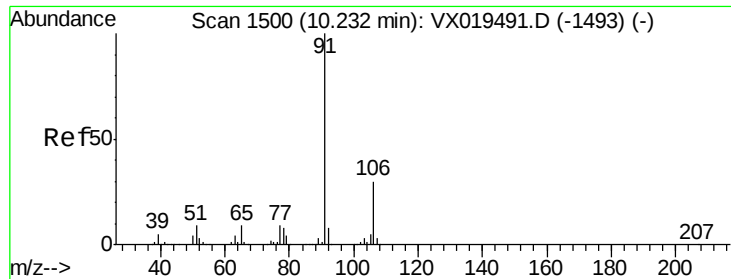
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.988 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion:131 Resp: 162918
Ion Ratio Lower Upper
131 100
133 96.3 48.5 145.5
119 65.0 33.0 99.0





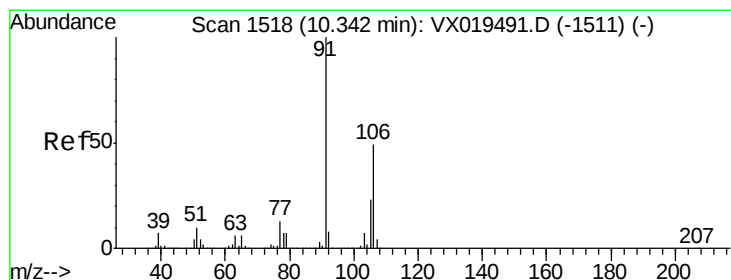
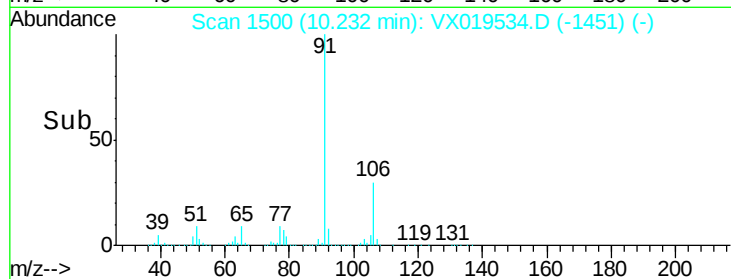
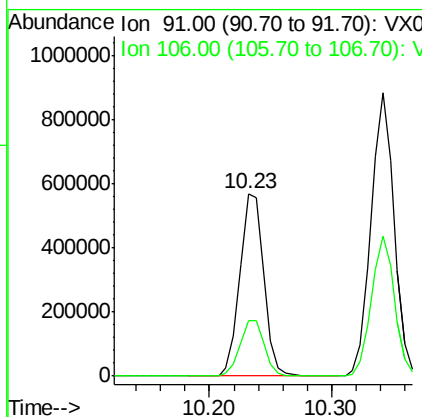
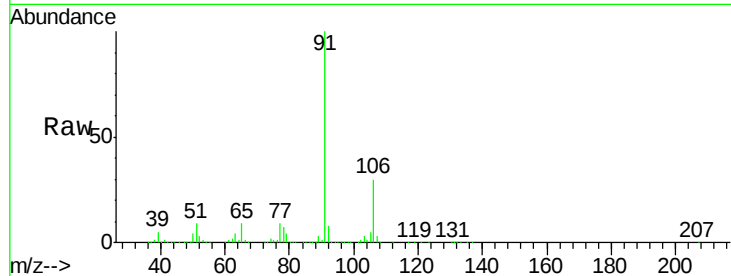
#67
Ethyl Benzene
Concen: 50.867 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.4	24.0	36.0	

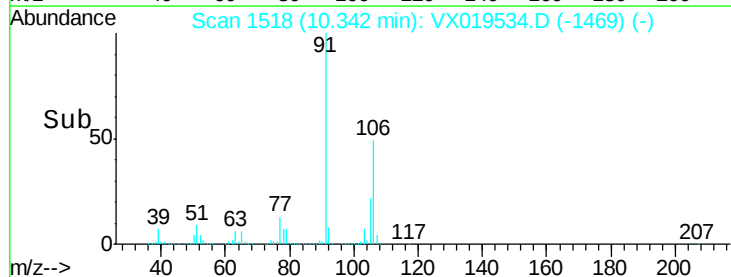
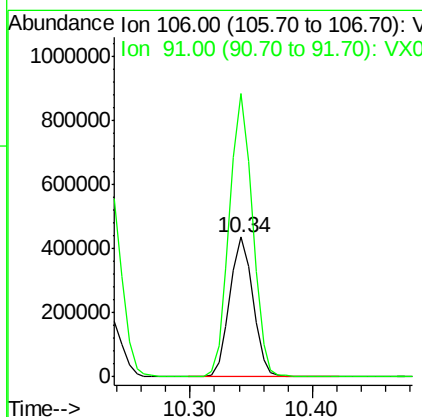
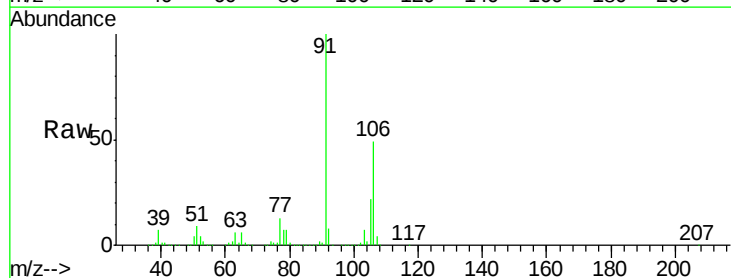
Manual Integrations
APPROVED

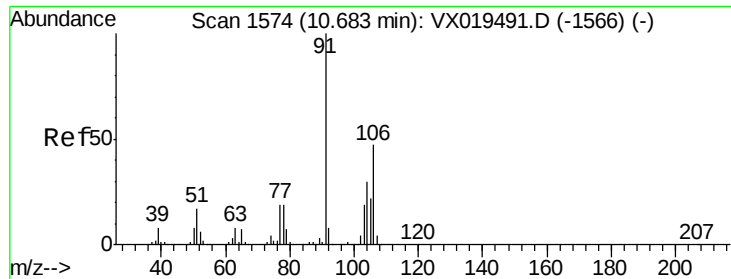
MMDadoda
11/23/2020 9:34:59 AM



#68
m/p-Xylenes
Concen: 101.767 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.4	163.3	244.9	





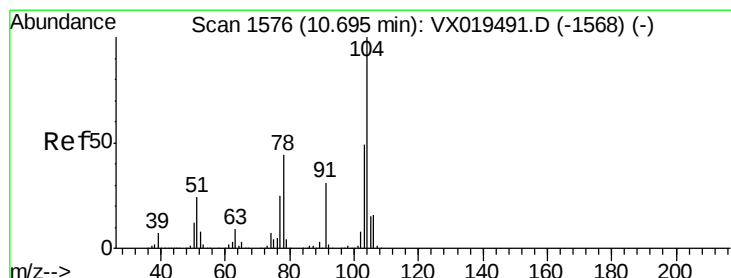
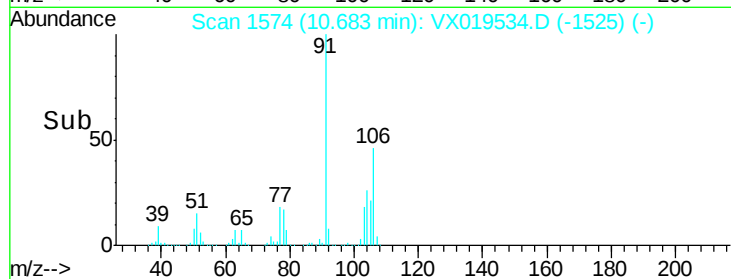
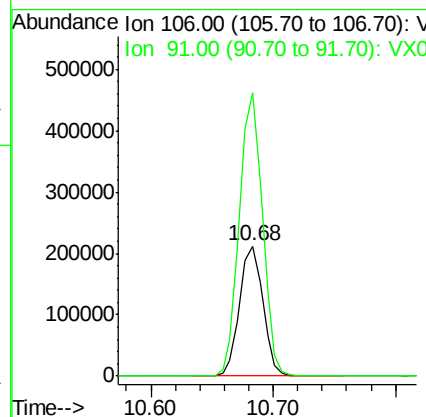
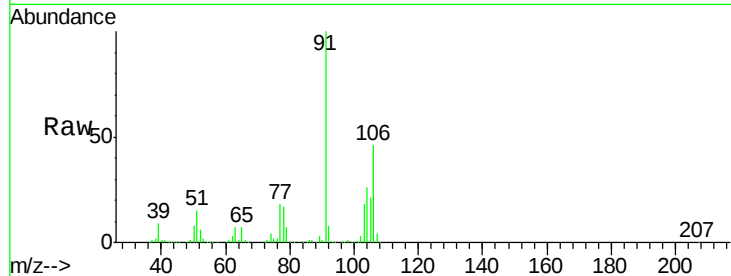
#69
o-Xylene
Concen: 52.031 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	279682		
91	91	215.4	108.0	324.0	

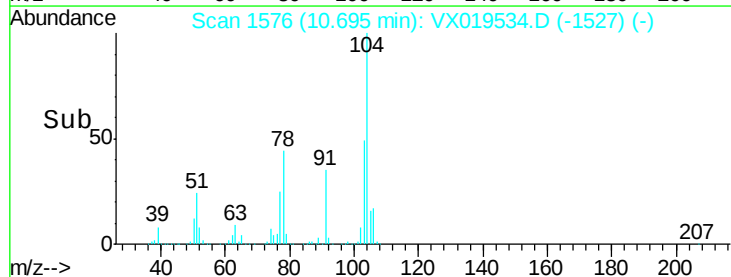
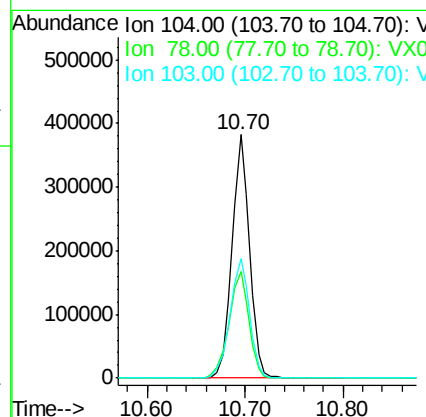
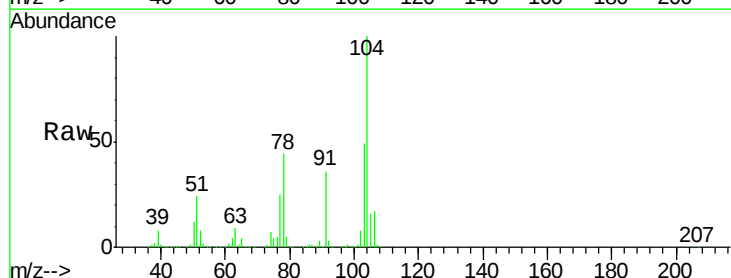
Manual Integrations
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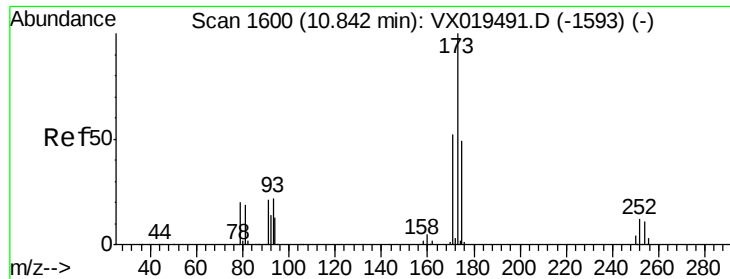
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#70
Styrene
Concen: 47.662 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	473443		
78	78	50.0	39.5	59.3	
103	103	54.7	43.6	65.4	





#71

Bromoform

Concen: 47.006 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 124169

Ion Ratio Lower Upper

173 100

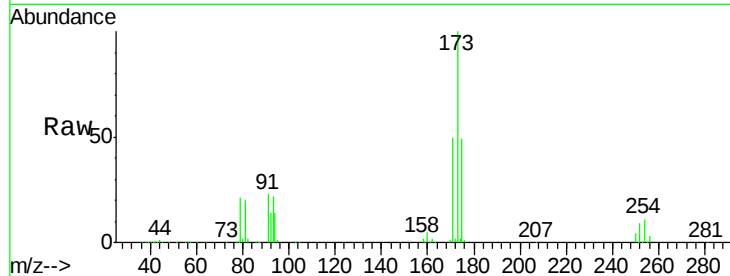
175 49.6 24.9 74.8

254 0.1 0.1 0.1

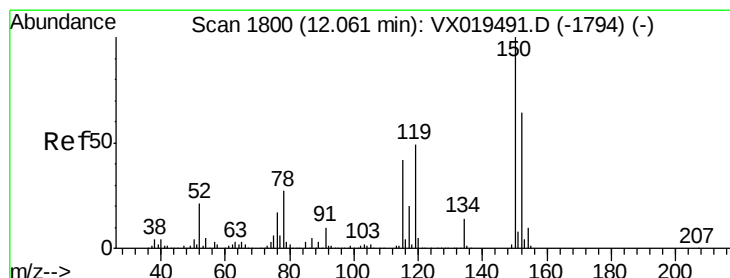
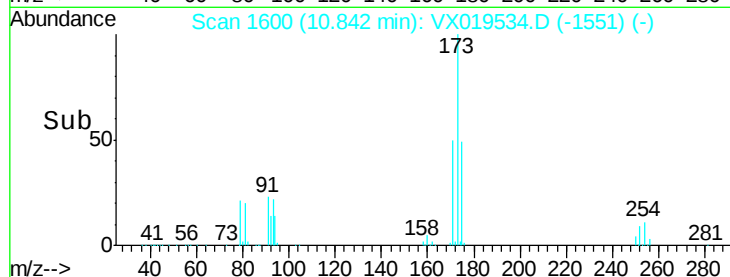
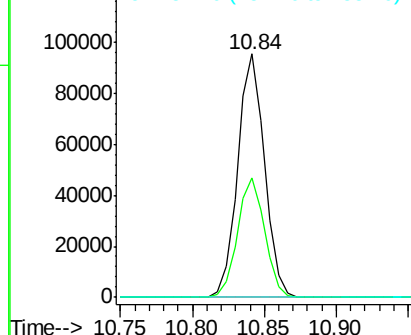
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

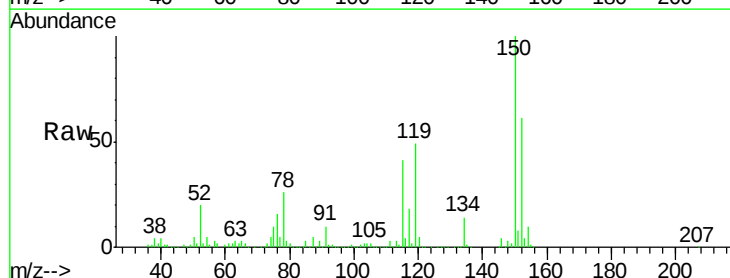
Tgt Ion:152 Resp: 199520

Ion Ratio Lower Upper

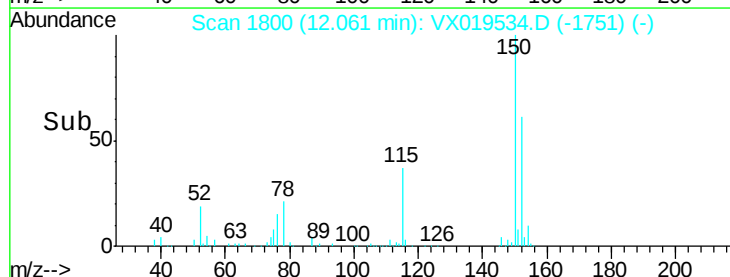
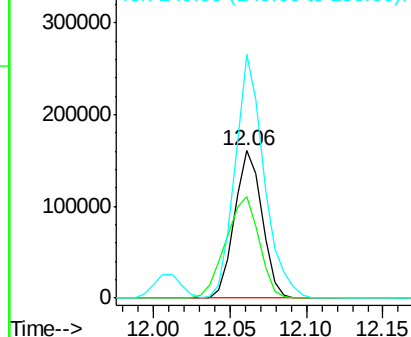
152 100

115 83.4 41.8 125.4

150 175.2 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: 53.237 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 734802

Ion Ratio Lower Upper

105 100

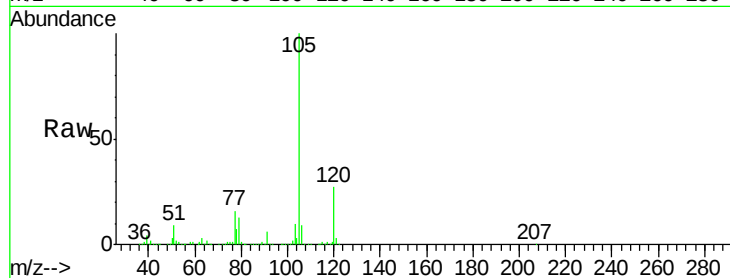
120 26.6 13.0 39.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

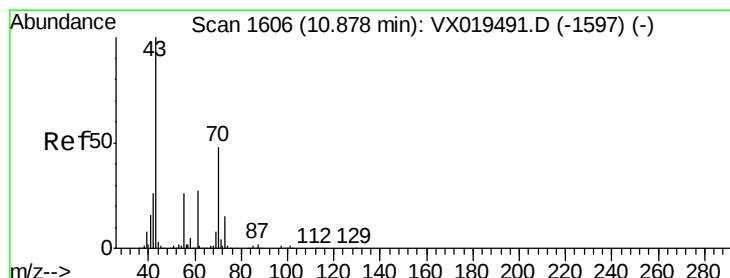
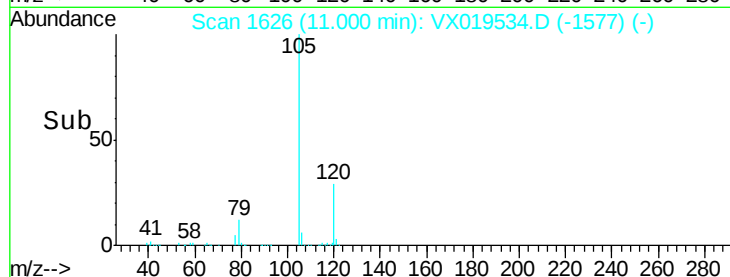
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 58.943 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Tgt Ion: 43 Resp: 304852

Ion Ratio Lower Upper

43 100

70 49.6 39.7 59.5

55 26.4 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

10.88

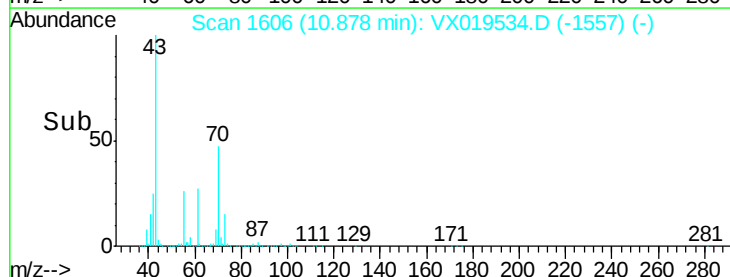
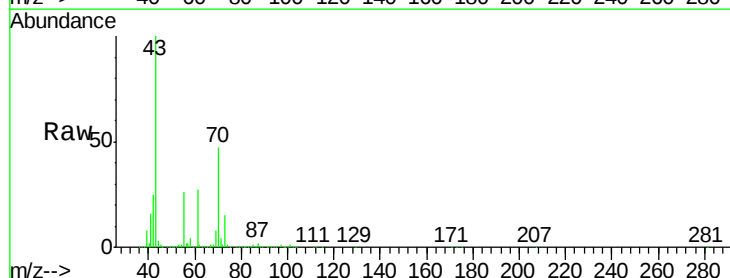
300000

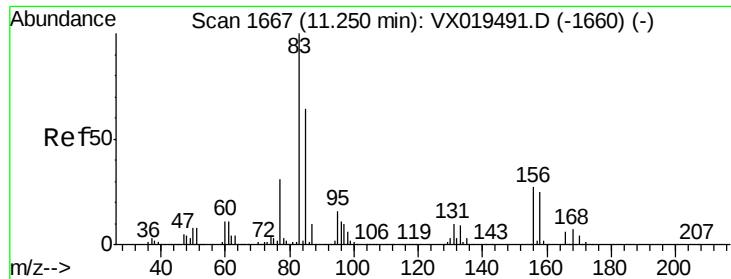
200000

100000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 52.573 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 259492

Ion Ratio Lower Upper

83 100

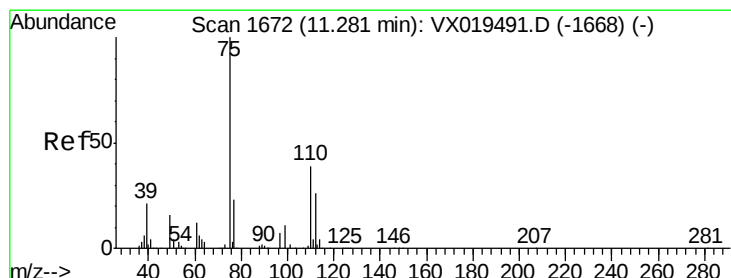
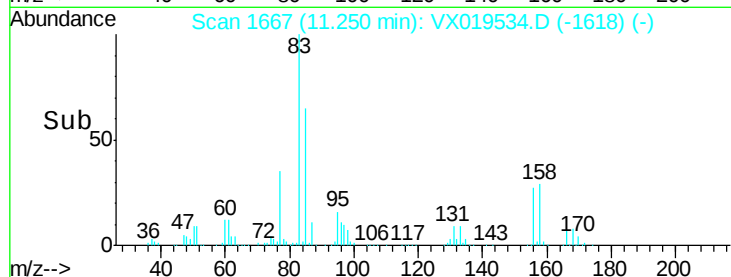
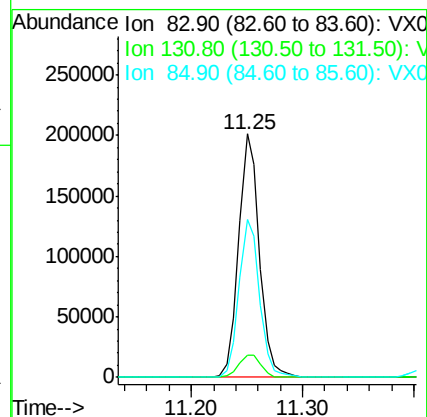
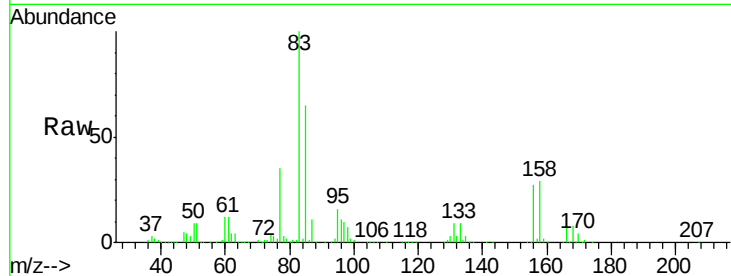
131 10.1 5.0 15.0

85 65.0 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.606 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019534.D

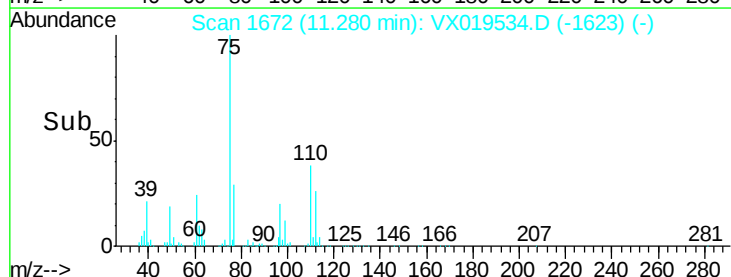
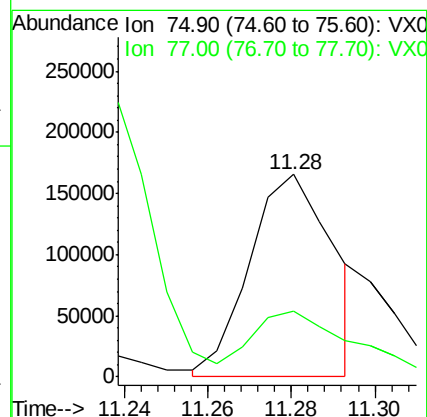
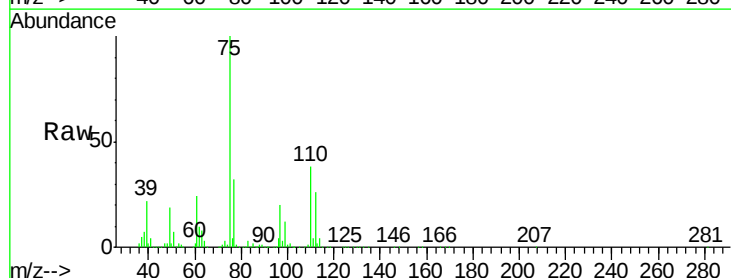
Acq: 21 Nov 2020 08:14

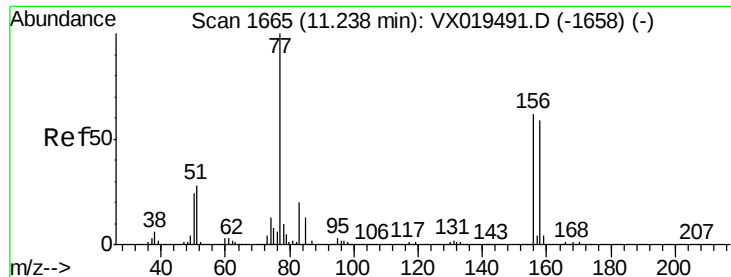
Tgt Ion: 75 Resp: 229058

Ion Ratio Lower Upper

75 100

77 39.7 20.0 60.0





#77

Bromobenzene

Concen: 52.064 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

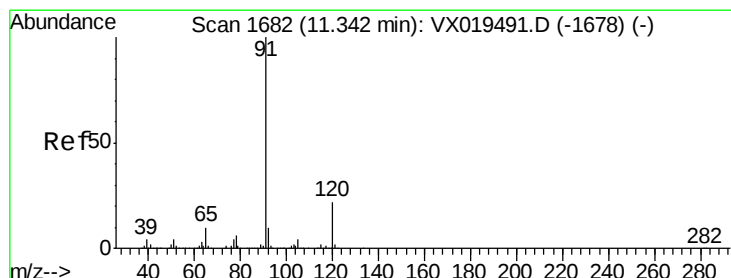
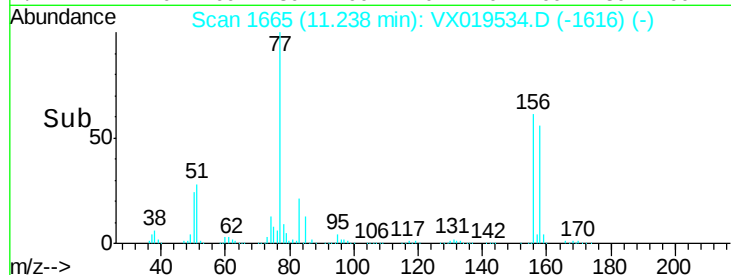
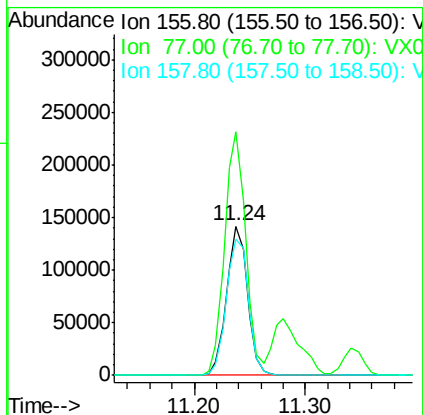
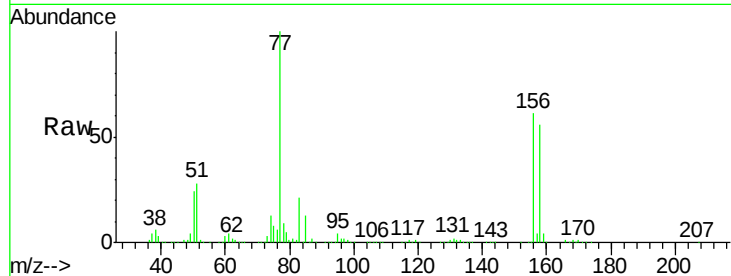
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	165.8	82.5	247.3	
158	97.3	48.9	146.7	

Manual Integrations
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#78

n-propylbenzene

Concen: 51.699 ug/l

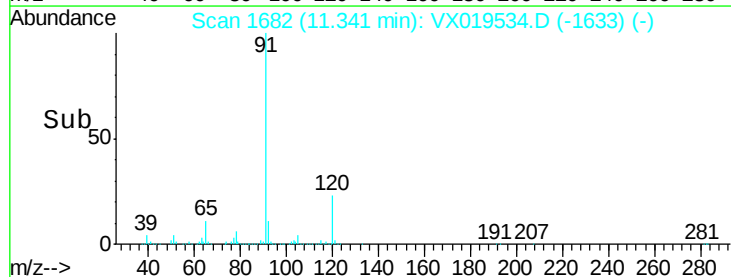
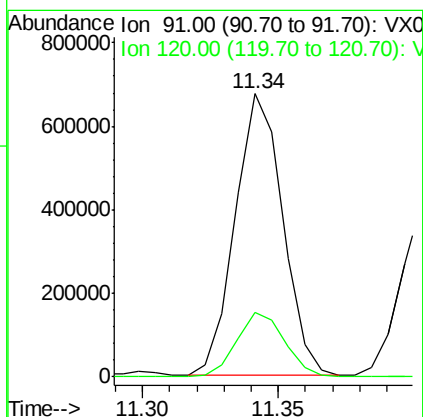
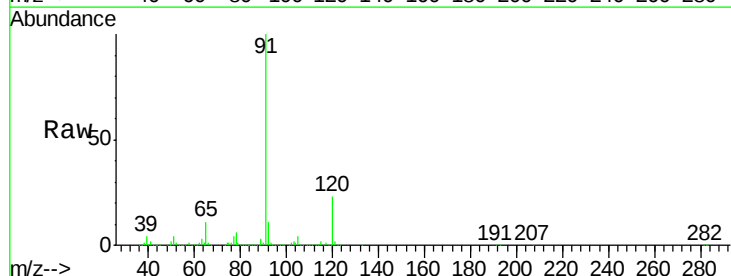
RT: 11.34 min Scan# 1682

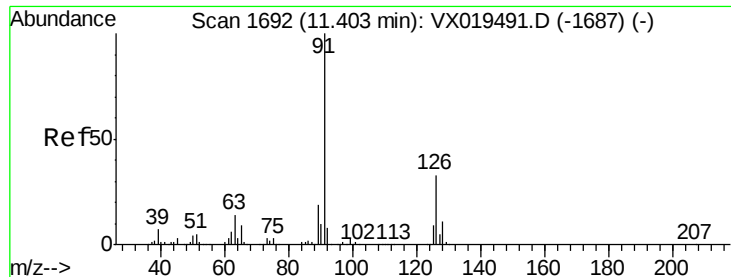
Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.5	34.4	





#79

2-Chlorotoluene

Concen: 52.674 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019534.D

Acq: 21 Nov 2020 08:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 505813

Ion Ratio Lower Upper

91 100

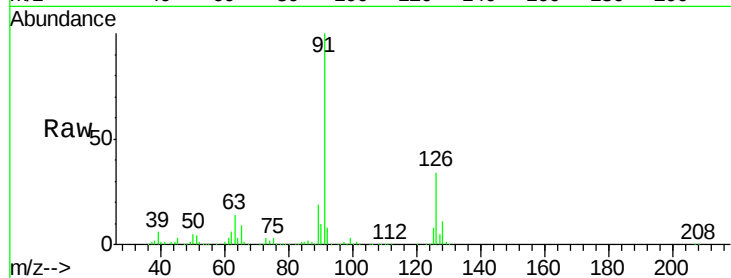
126 33.8 16.7 50.0

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Abundance Ion 91.00 (90.70 to 91.70): VX019491.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX019491.D (-1687) (-)

800000

600000

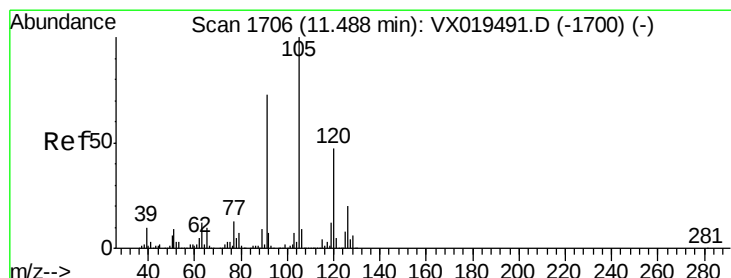
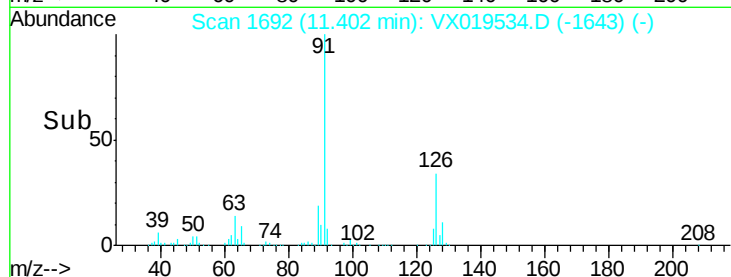
400000

200000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.612 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019534.D

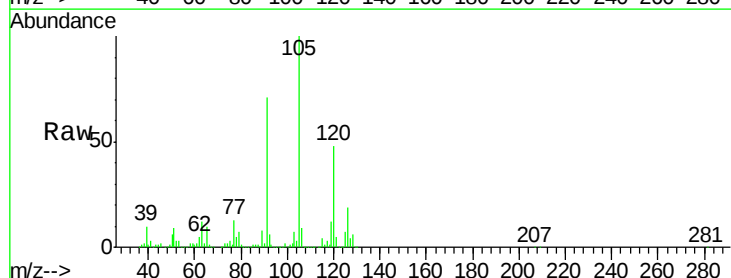
Acq: 21 Nov 2020 08:14

Tgt Ion: 105 Resp: 620747

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX019491.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX019491.D (-1700) (-)

500000

400000

300000

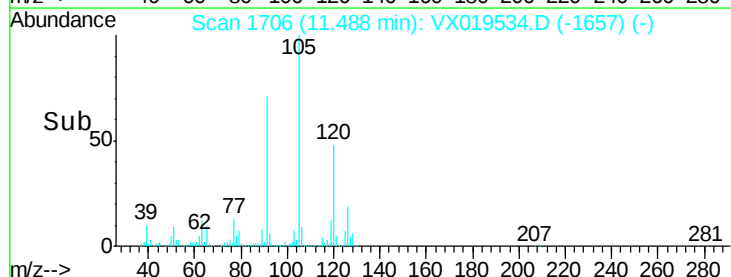
200000

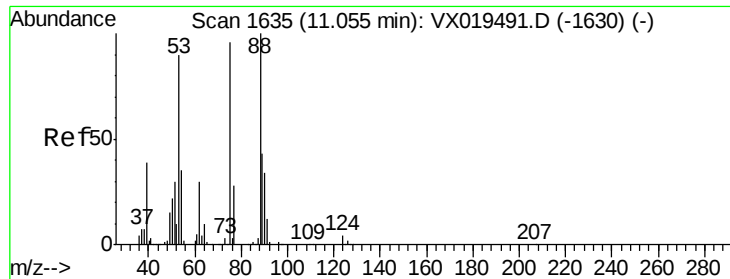
100000

0

11.40 11.45 11.50 11.55

Time-->





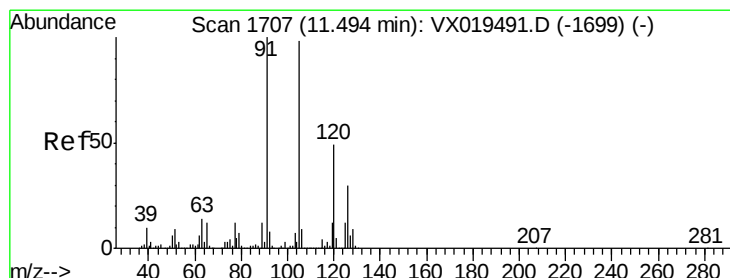
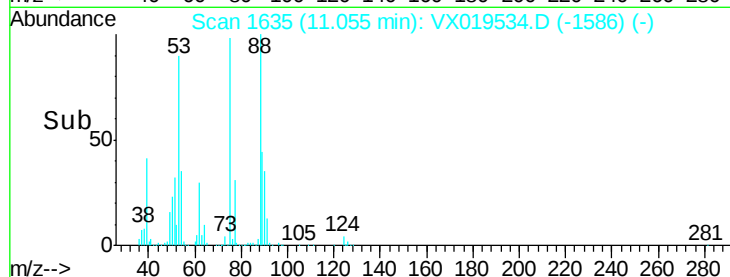
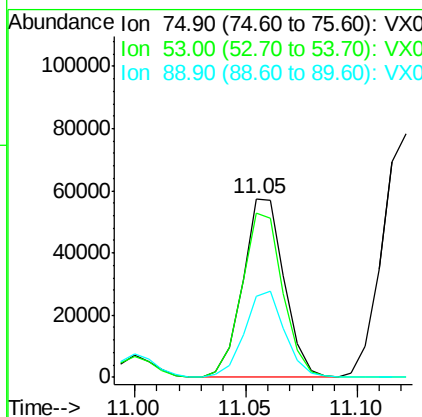
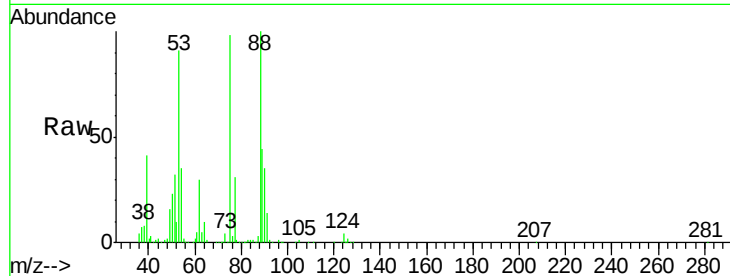
#81
trans-1,4-Dichloro-2-butene
Concen: 46.239 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.6	73.9	110.9
89	47.0	37.3	55.9

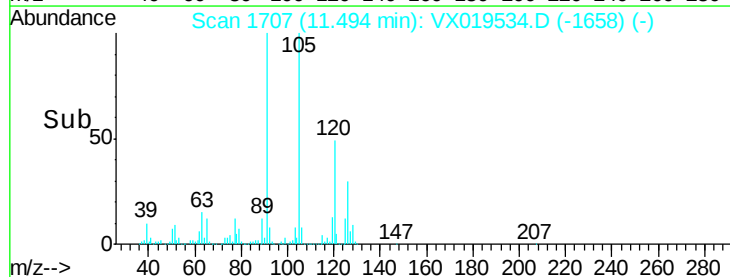
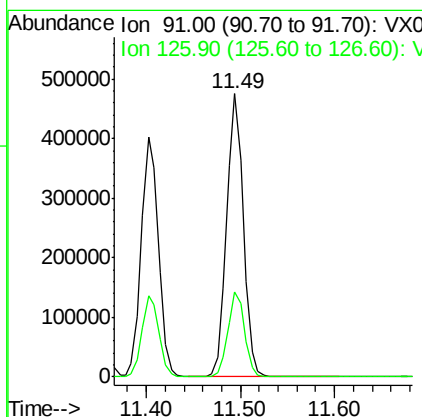
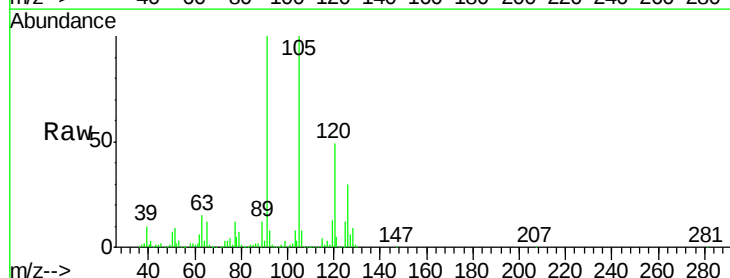
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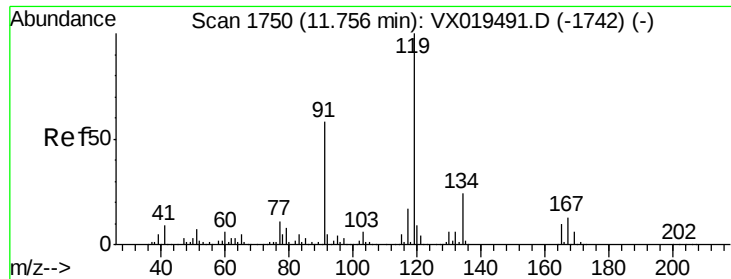
MMDadoda
11/23/2020 9:34:59 AM



#82
4-Chlorotoluene
Concen: 51.721 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.9	44.7





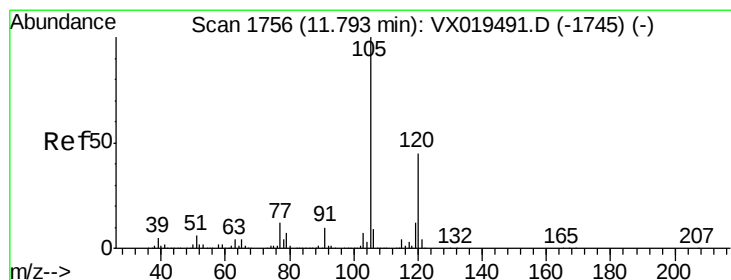
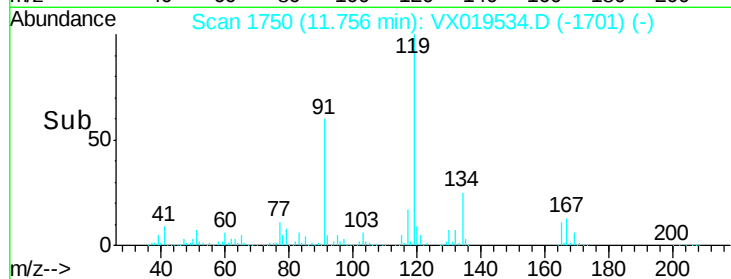
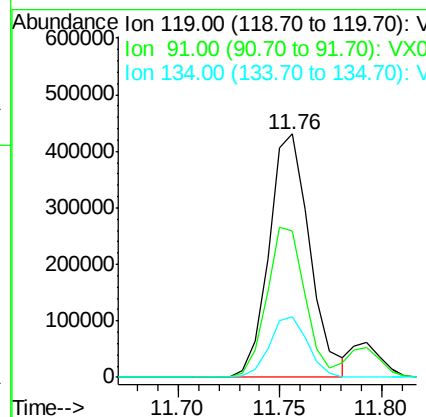
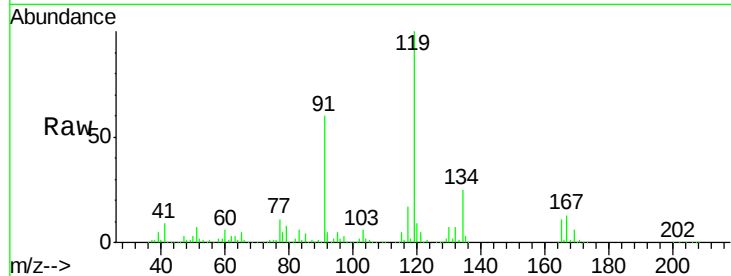
#83
tert-Butylbenzene
Concen: 53.506 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	599355		
91	57.9		28.9	86.8
134	23.5		11.7	35.0

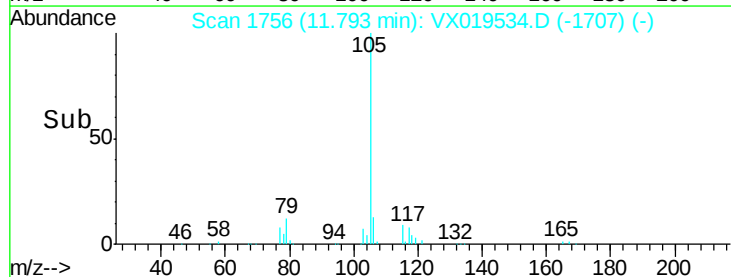
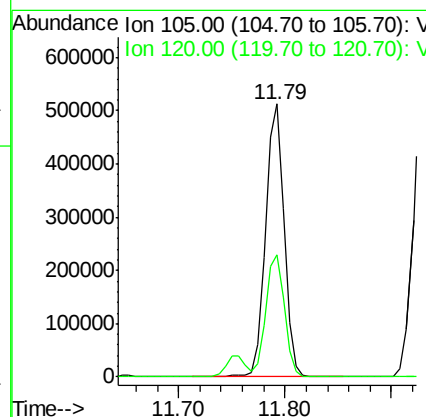
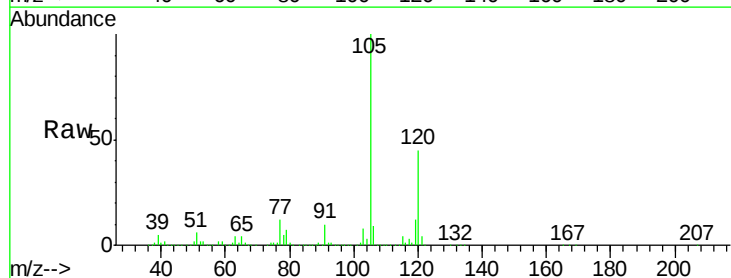
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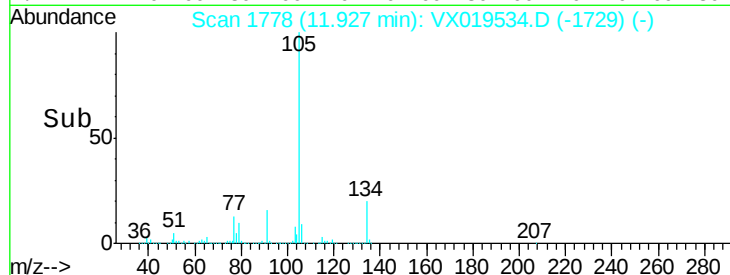
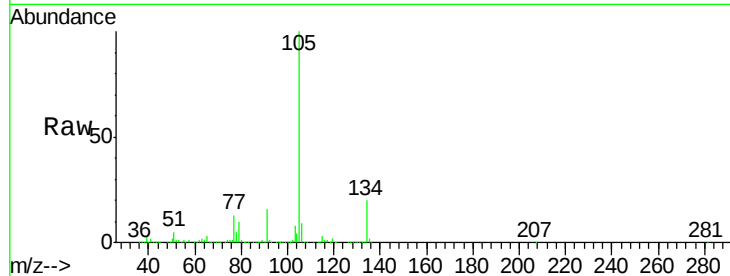
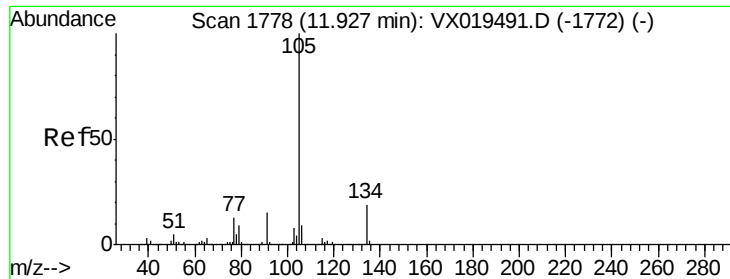
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#84
1,2,4-Trimethylbenzene
Concen: 53.404 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	625636		
120	45.0		22.2	66.6





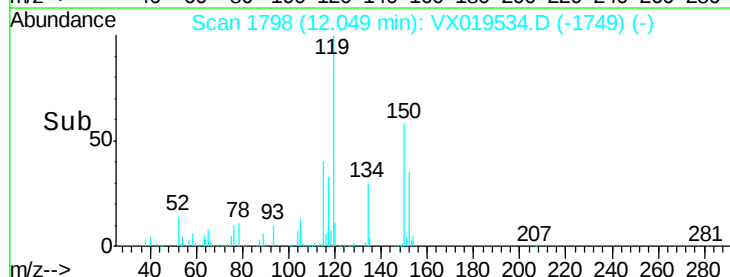
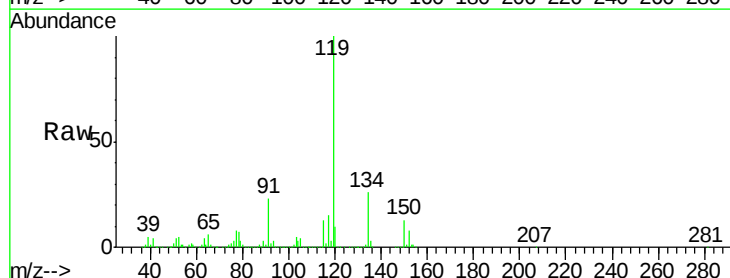
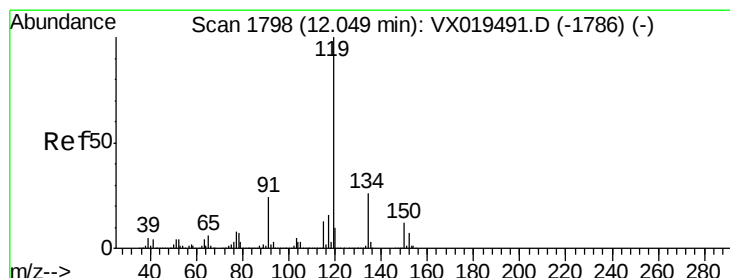
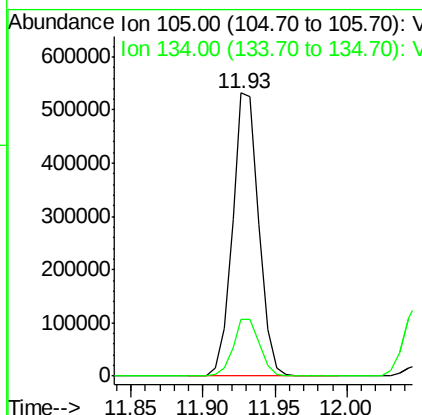
#85
 sec-Butylbenzene
 Concen: 50.723 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.3

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

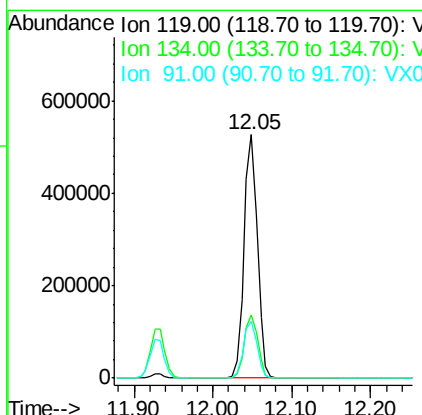
Manual Integrations
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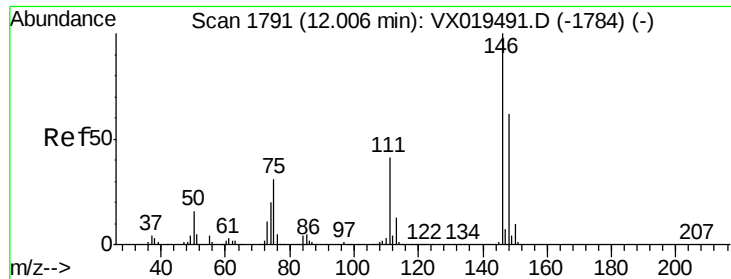
MMDadoda
 11/23/2020 9:34:59 AM



#86
 p-Isopropyltoluene
 Concen: 51.158 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	23.7	11.8	35.4





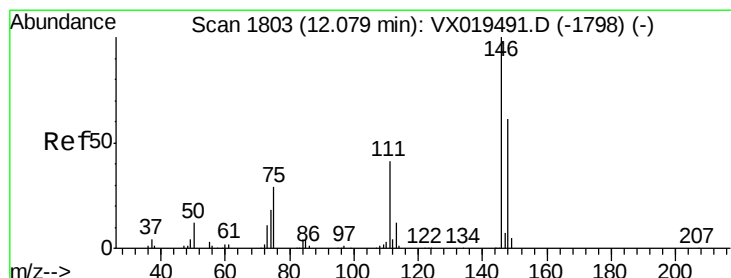
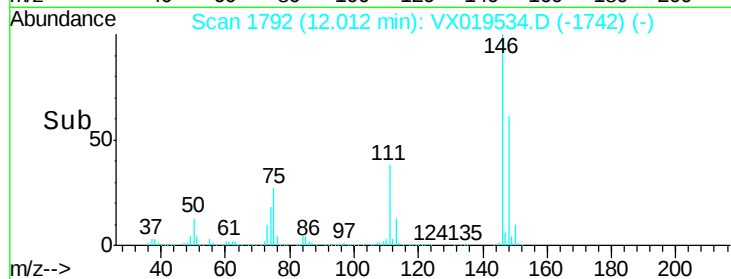
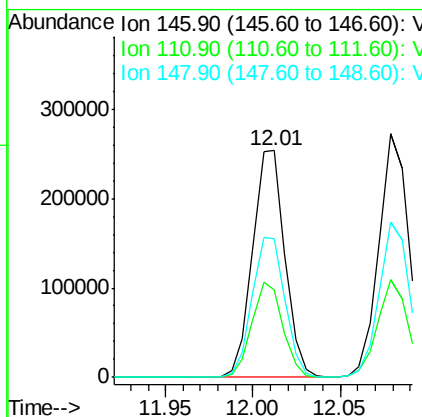
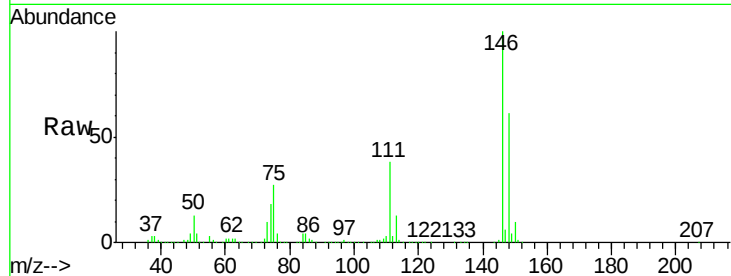
#87
 1,3-Dichlorobenzene
 Concen: 50.391 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	62.9	31.4	94.2

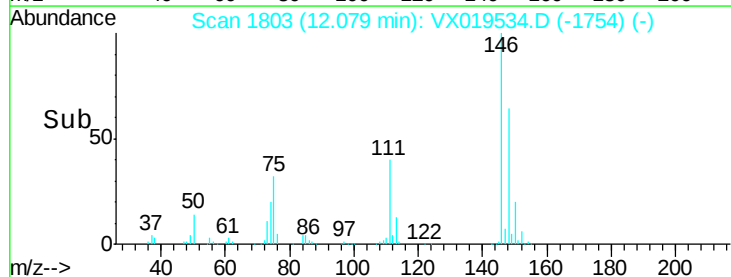
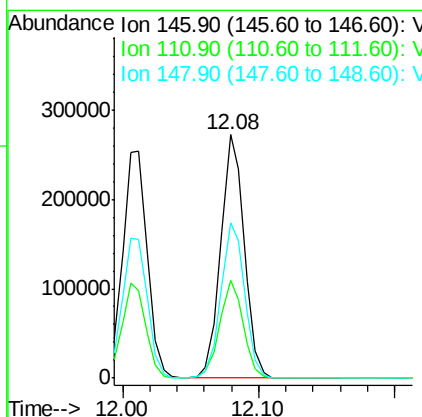
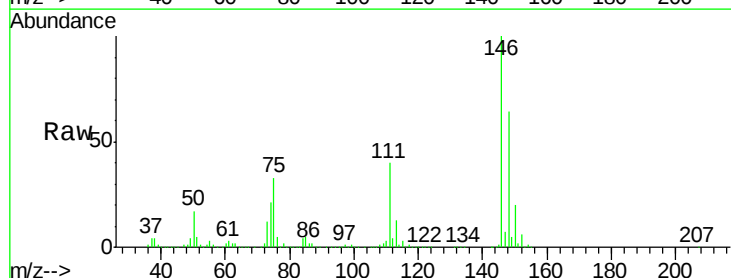
Manual Integrations
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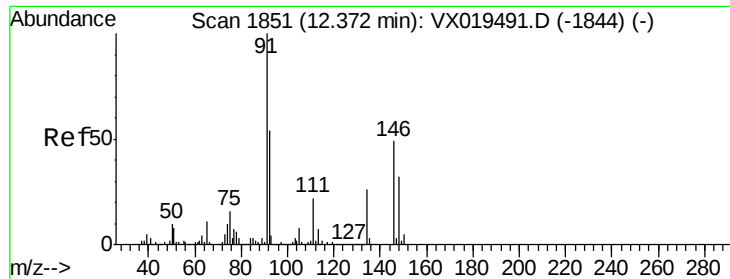
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#88
 1,4-Dichlorobenzene
 Concen: 48.750 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.6
148	64.5	31.7	95.1





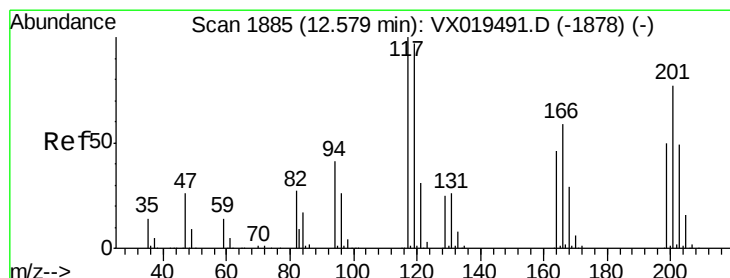
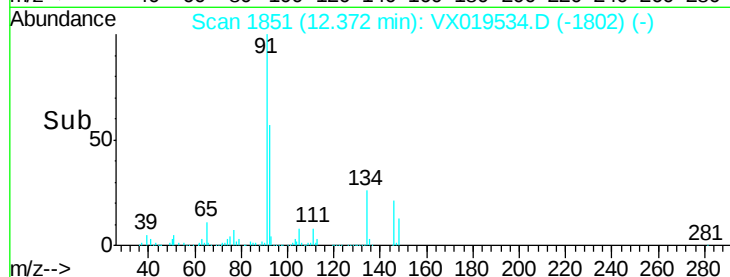
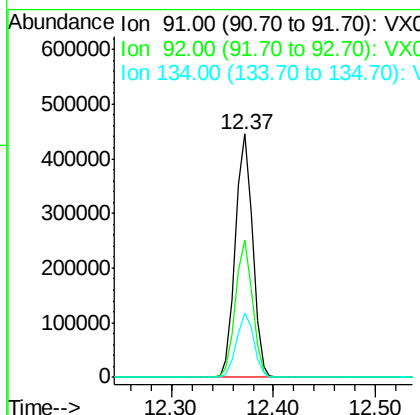
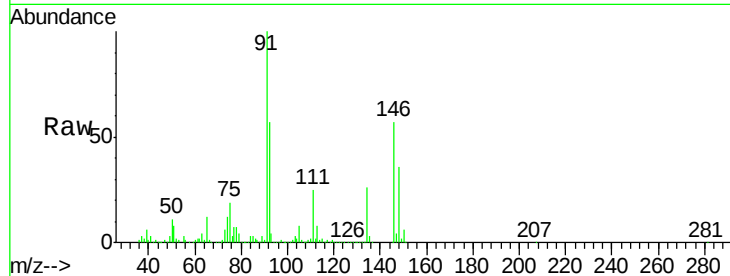
#89
n-Butylbenzene
Concen: 47.057 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	26.9	80.6
134	26.4	12.9	38.6

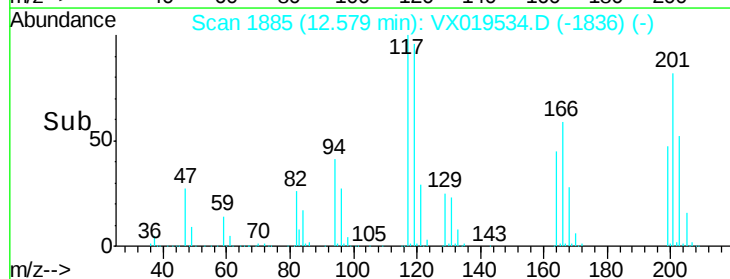
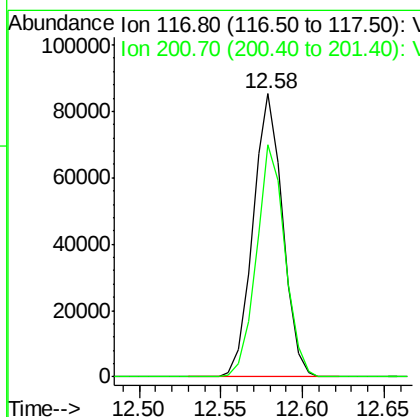
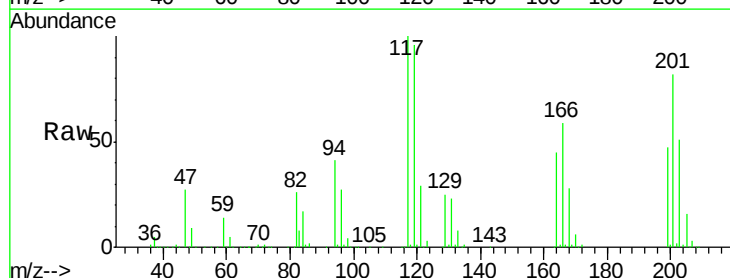
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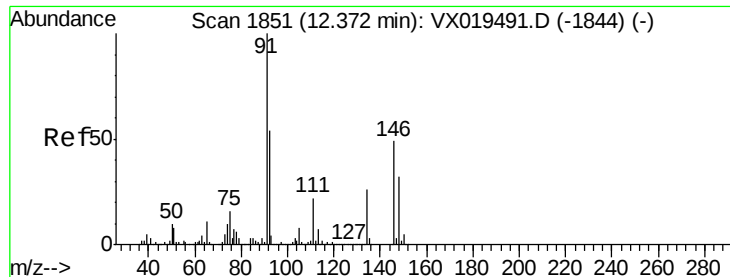
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11/23/2020 9:34:59 AM



#90
Hexachloroethane
Concen: 53.179 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	39.4	118.2





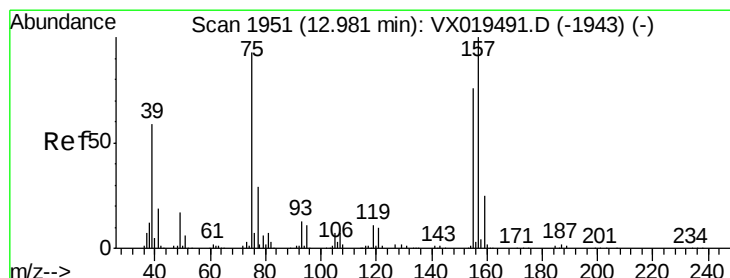
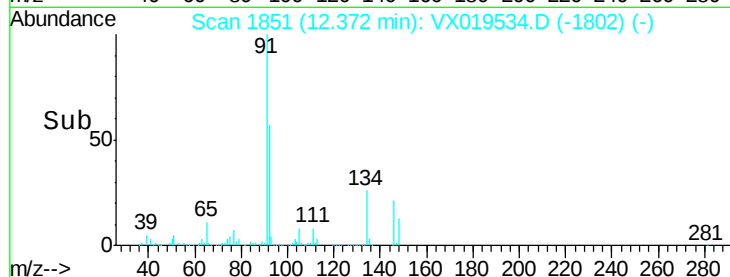
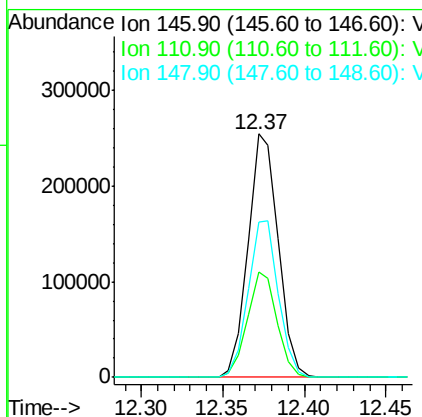
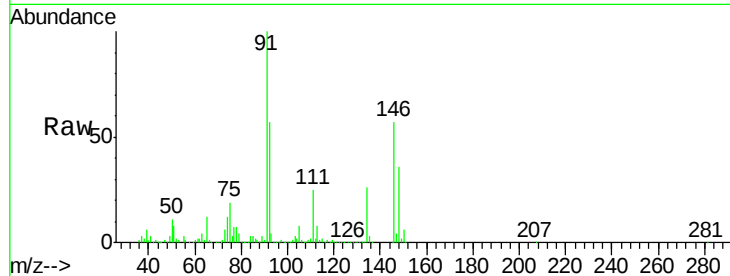
#91
 1,2-Dichlorobenzene
 Concen: 50.629 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.3
148	64.3	32.4	97.0

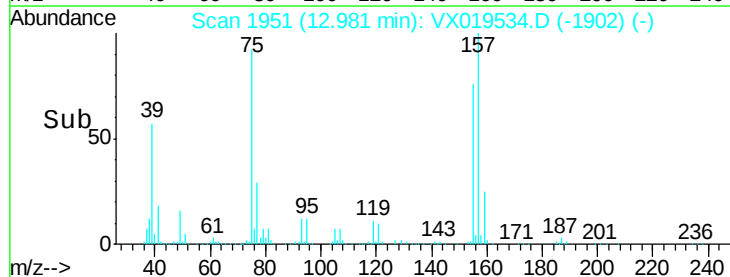
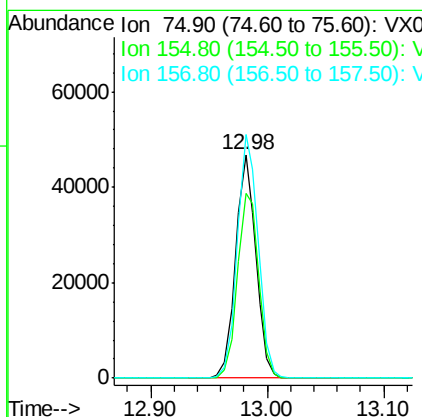
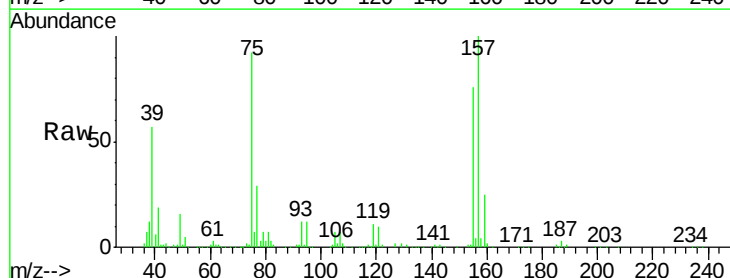
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.564 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	43.6	130.9
157	111.8	57.0	170.8





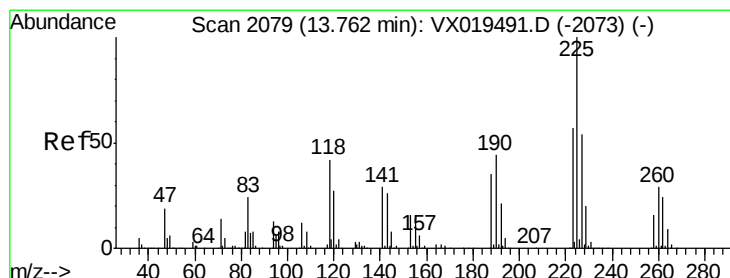
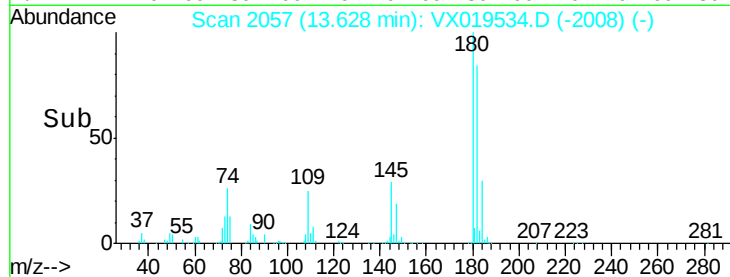
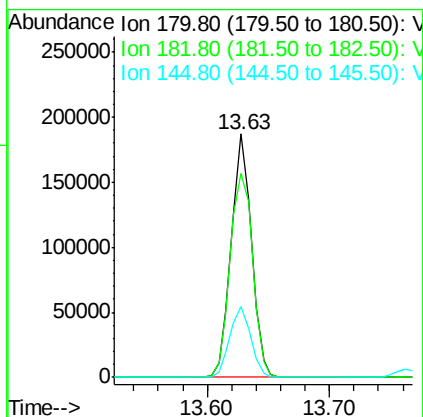
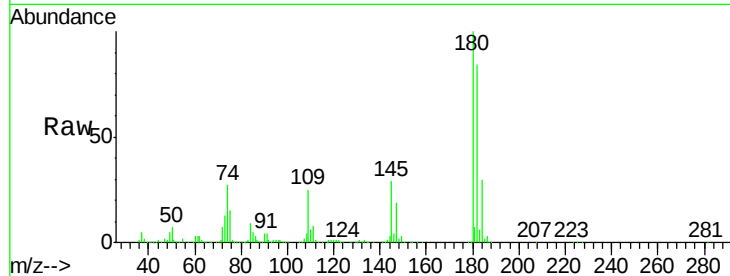
#93
 1,2,4-Trichlorobenzene
 Concen: 51.045 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212987		
182	93.7	48.6	145.9	
145	30.4	15.9	47.7	

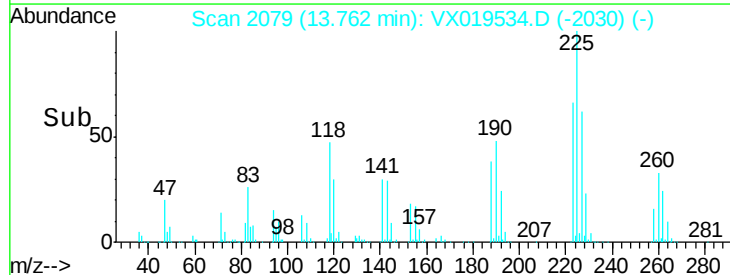
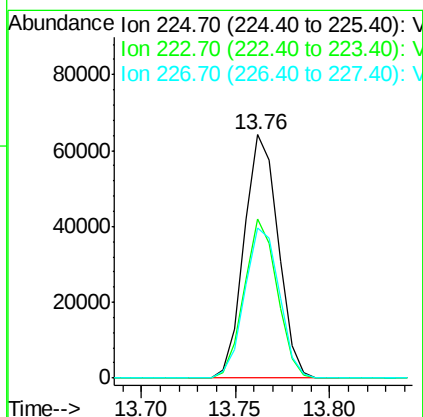
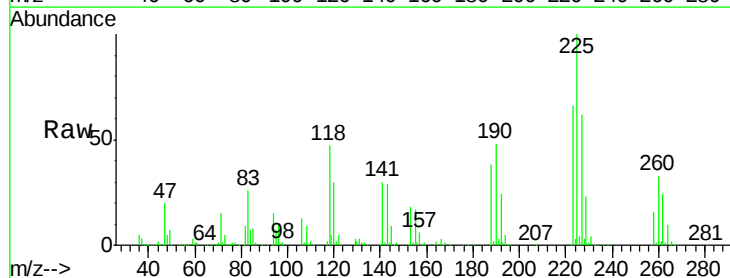
Manual Integrations
 APPROVED

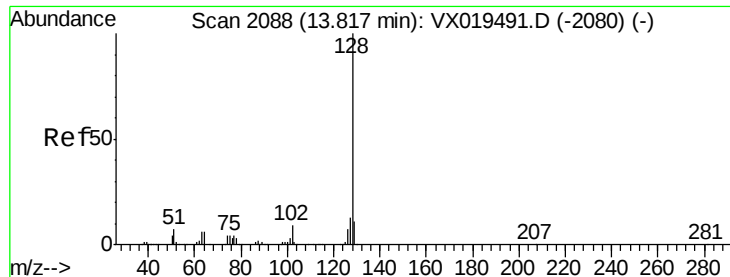
MMDadoda
 11/23/2020 9:34:59 AM



#94
 Hexachlorobutadiene
 Concen: 42.345 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX019534.D
 Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80488		
223	63.2	32.5	97.5	
227	62.8	32.8	98.3	





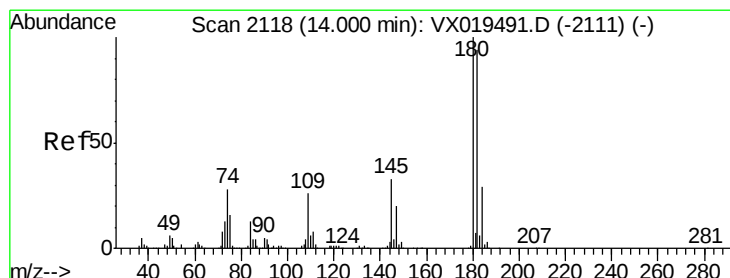
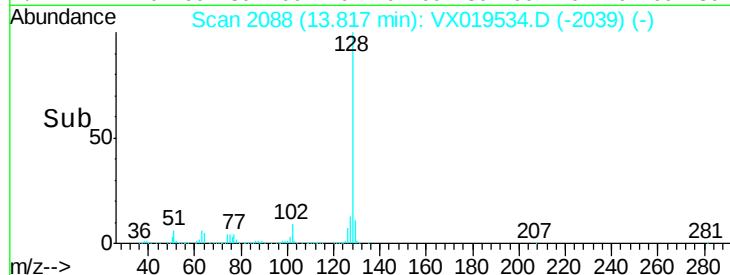
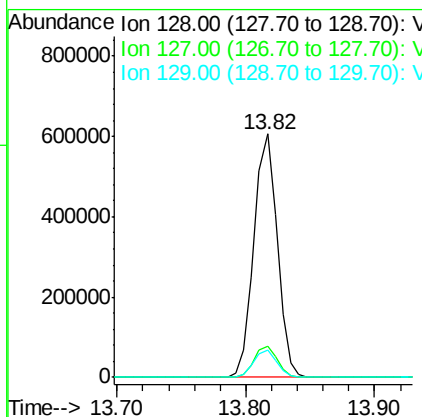
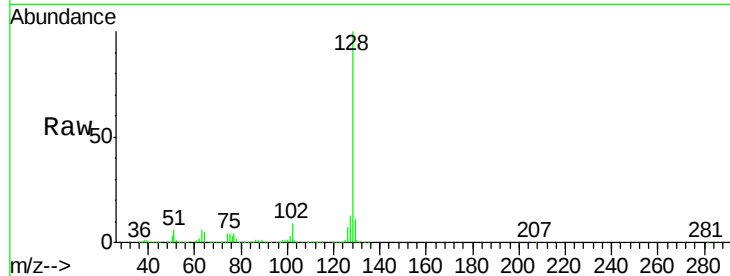
#95
Naphthalene
Concen: 51.116 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/23/2020 9:34:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.005 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019534.D
Acq: 21 Nov 2020 08:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.1	144.3
145	32.4	16.6	49.8

