

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121420\
 Data File : VX020002.D
 Acq On : 14 Dec 2020 21:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 5:34:20 PM

Quant Time: Dec 15 02:19:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	259340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	433730	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	166993	48.99	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.98%
35) Dibromofluoromethane	5.46	113	135457	48.32	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.64%
50) Toluene-d8	8.70	98	517499	48.36	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.72%
62) 4-Bromofluorobenzene	11.12	95	198981	48.85	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	113139	47.650	ug/l 99
3) Chloromethane	1.31	50	123762	44.321	ug/l 100
4) Vinyl Chloride	1.39	62	149363	50.729	ug/l 100
5) Bromomethane	1.62	94	37797	38.661	ug/l 98
6) Chloroethane	1.70	64	104042	58.824	ug/l 99
7) Trichlorofluoromethane	1.91	101	209405	51.069	ug/l 97
8) Diethyl Ether	2.17	74	90732	52.216	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	126407	53.783	ug/l 100
10) Methyl Iodide	2.49	142	117381	33.883	ug/l 99
11) Tert butyl alcohol	3.01	59	201795	288.378	ug/l 99
12) 1,1-Dichloroethene	2.36	96	126180	53.104	ug/l 99
13) Acrolein	2.27	56	73474	195.289	ug/l 100
14) Allyl chloride	2.70	41	217828	54.280	ug/l 97
15) Acrylonitrile	3.11	53	451136	292.777	ug/l 100
16) Acetone	2.42	43	360099	281.071	ug/l 99
17) Carbon Disulfide	2.55	76	315922	46.337	ug/l 100
18) Methyl Acetate	2.75	43	199360	63.589	ug/l 99
19) Methyl tert-butyl Ether	3.17	73	486845	56.261	ug/l 100
20) Methylene Chloride	2.83	84	158208	54.211	ug/l 97
21) trans-1,2-Dichloroethene	3.14	96	147699	53.317	ug/l 99
22) Diisopropyl ether	3.82	45	466974	57.553	ug/l 92
23) Vinyl Acetate	3.78	43	2001087	289.484	ug/l 100
24) 1,1-Dichloroethane	3.67	63	267196	54.609	ug/l 99
25) 2-Butanone	4.63	43	580686	294.968	ug/l 100
26) 2,2-Dichloropropane	4.55	77	198166	47.030	ug/l 100
27) cis-1,2-Dichloroethene	4.56	96	192370	59.339	ug/l 99
28) Bromochloromethane	4.98	49	121367	52.034	ug/l 97
29) Tetrahydrofuran	5.09	42	372529	293.707	ug/l 98
30) Chloroform	5.17	83	275788	54.818	ug/l 100
31) Cyclohexane	5.54	56	221431	52.226	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	235224	54.292	ug/l 100
36) 1,1-Dichloropropene	5.76	75	195718	49.937	ug/l 100
37) Ethyl Acetate	4.79	43	220523	55.727	ug/l 99
38) Carbon Tetrachloride	5.75	117	198434	51.702	ug/l 97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	227564	49.419	ug/l	97
40) Benzene	6.11	78	619791	51.768	ug/l	99
41) Methacrylonitrile	5.00	41	123538	56.859	ug/l	98
42) 1,2-Dichloroethane	6.16	62	215732	52.739	ug/l	100
43) Isopropyl Acetate	6.41	43	354442	55.092	ug/l	99
44) Trichloroethene	7.18	130	155862	49.617	ug/l	94
45) 1,2-Dichloropropane	7.49	63	160821	53.746	ug/l	97
46) Dibromomethane	7.63	93	107047	52.976	ug/l	99
47) Bromodichloromethane	7.87	83	217499	54.243	ug/l	98
48) Methyl methacrylate	7.74	41	176778	55.869	ug/l	97
49) 1,4-Dioxane	7.71	88	79519	1037.430	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1137924	289.700	ug/l	100
52) Toluene	8.76	92	389612	52.031	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	236492	53.150	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	256849	53.134	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	162435	53.830	ug/l	100
56) Ethyl methacrylate	9.16	69	255980	56.069	ug/l	99
57) 1,3-Dichloropropane	9.35	76	274924	53.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	680777	281.475	ug/l	99
59) 2-Hexanone	9.47	43	872921	286.704	ug/l	99
60) Dibromochloromethane	9.56	129	167369	54.592	ug/l	99
61) 1,2-Dibromoethane	9.65	107	168245	52.506	ug/l	100
64) Tetrachloroethene	9.32	164	126952	46.851	ug/l	95
65) Chlorobenzene	10.12	112	407002	50.559	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	154867	53.450	ug/l	99
67) Ethyl Benzene	10.23	91	744209	52.082	ug/l	99
68) m/p-Xylenes	10.34	106	559668	103.943	ug/l	99
69) o-Xylene	10.68	106	268701	51.878	ug/l	99
70) Styrene	10.70	104	465376	53.232	ug/l	99
71) Bromoform	10.84	173	128658	56.445	ug/l #	100
73) Isopropylbenzene	11.00	105	728235	52.747	ug/l	100
74) N-amyl acetate	10.88	43	316232	57.157	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	273382	56.165	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	249118m	54.965	ug/l	
77) Bromobenzene	11.24	156	180178	50.997	ug/l	97
78) n-propylbenzene	11.34	91	837097	53.086	ug/l	99
79) 2-Chlorotoluene	11.40	91	510998	52.623	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	616187	52.883	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	83782	53.438	ug/l	98
82) 4-Chlorotoluene	11.49	91	597234	52.514	ug/l	98
83) tert-Butylbenzene	11.76	119	615668	53.875	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	627243	53.441	ug/l	100
85) sec-Butylbenzene	11.93	105	701427	53.761	ug/l	100
86) p-Isopropyltoluene	12.05	119	640272	53.546	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	325945	50.264	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	332797	50.388	ug/l	99
89) n-Butylbenzene	12.37	91	557893	52.662	ug/l	100
90) Hexachloroethane	12.58	117	113925	55.186	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	335679	53.102	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	60549	57.865	ug/l	95

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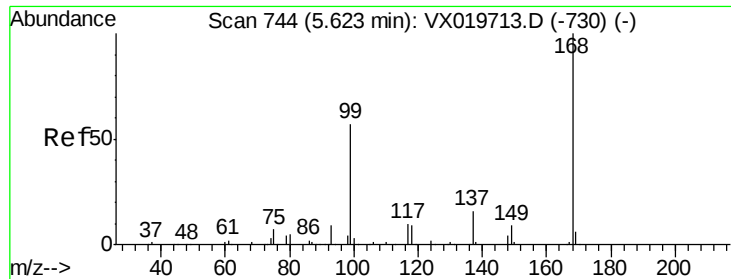
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	219909	53.442	ug/l	100
94) Hexachlorobutadiene	13.76	225	97715	53.130	ug/l	99
95) Naphthalene	13.82	128	752245	56.388	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	218272	54.277	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 259340

Ion Ratio Lower Upper

168 100

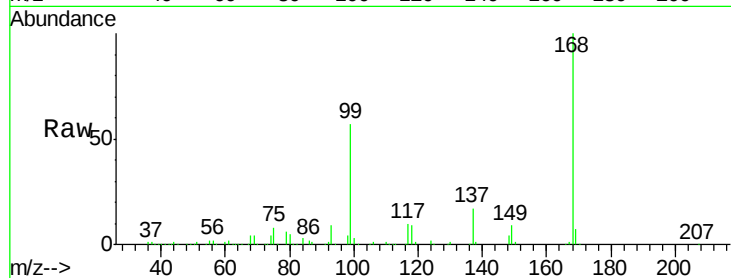
99 56.7 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

100000

80000

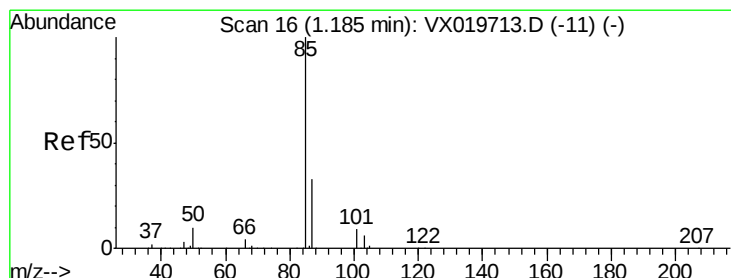
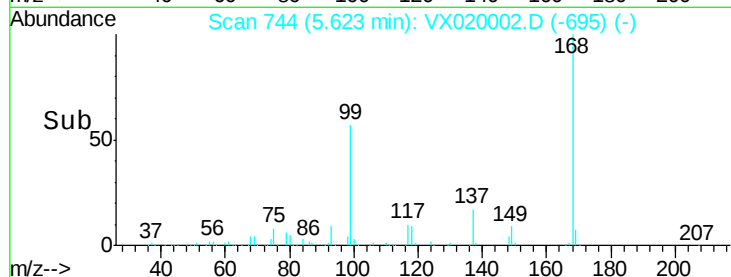
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.650 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020002.D

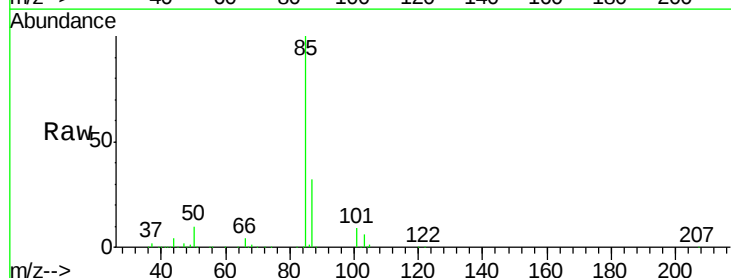
Acq: 14 Dec 2020 21:17

Tgt Ion: 85 Resp: 113139

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

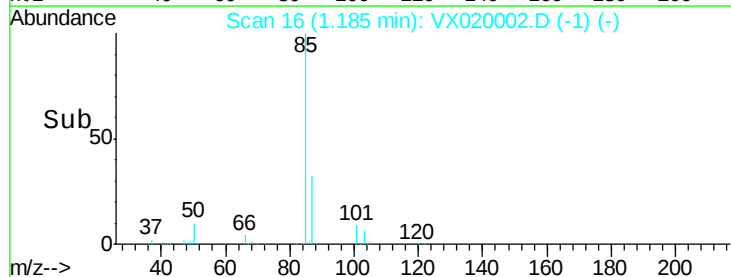
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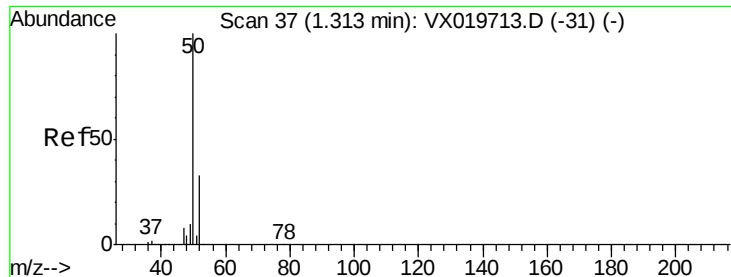
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.321 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 123762

Ion Ratio Lower Upper

50 100

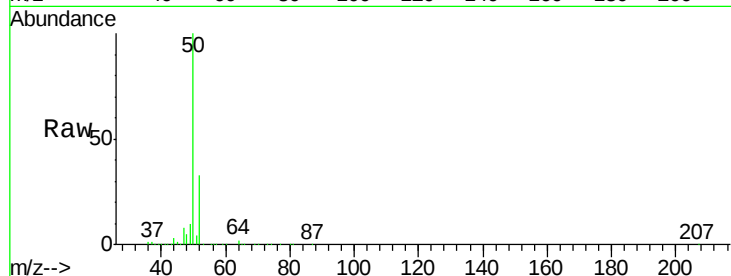
52 32.8 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

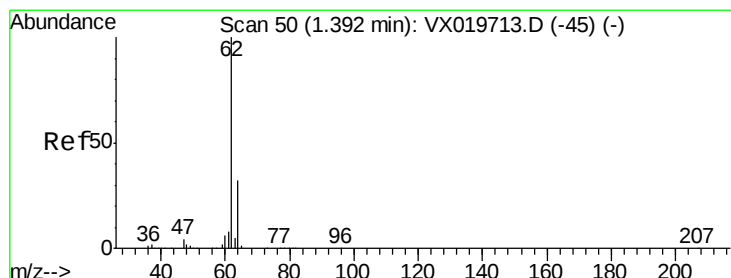
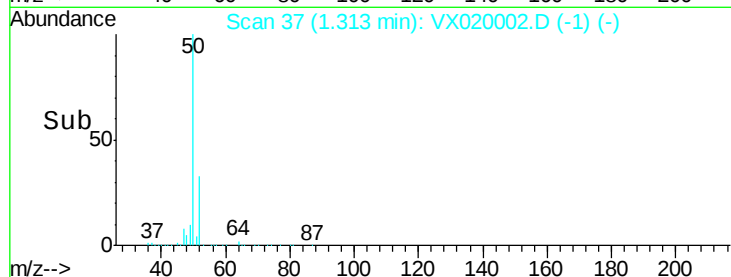
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.729 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020002.D

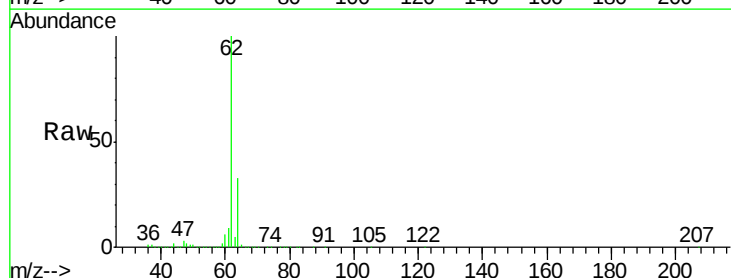
Acq: 14 Dec 2020 21:17

Tgt Ion: 62 Resp: 149363

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

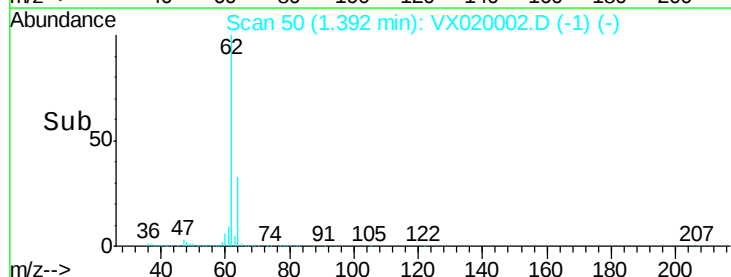
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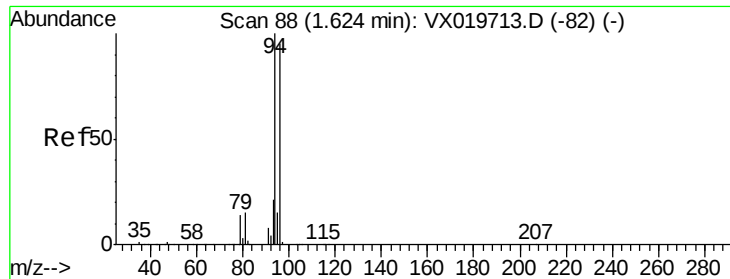
100000

50000

0

Time-->





#5

Bromomethane

Concen: 38.661 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 37797

Ion Ratio Lower Upper

94 100

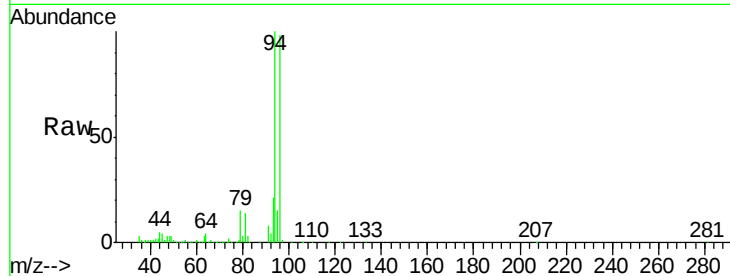
96 97.7 76.4 114.6

Manual Integrations

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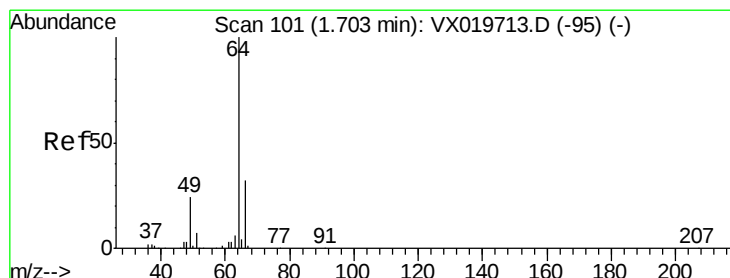
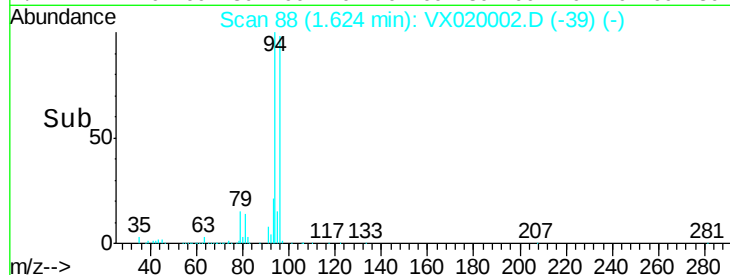
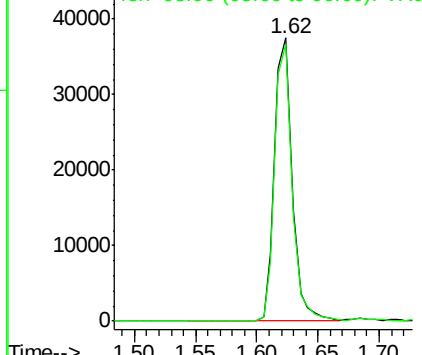
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 58.824 ug/l

RT: 1.70 min Scan# 101

Delta R.T. 0.00 min

Lab File: VX020002.D

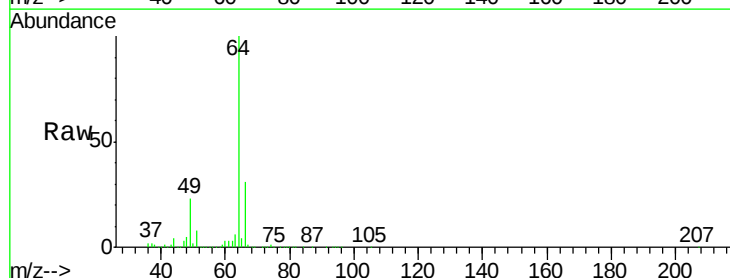
Acq: 14 Dec 2020 21:17

Tgt Ion: 64 Resp: 104042

Ion Ratio Lower Upper

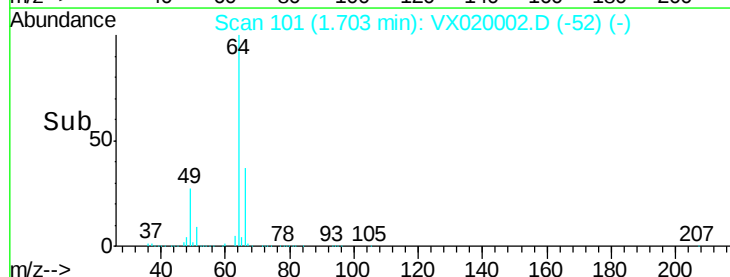
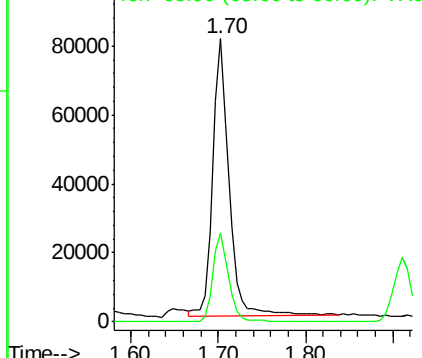
64 100

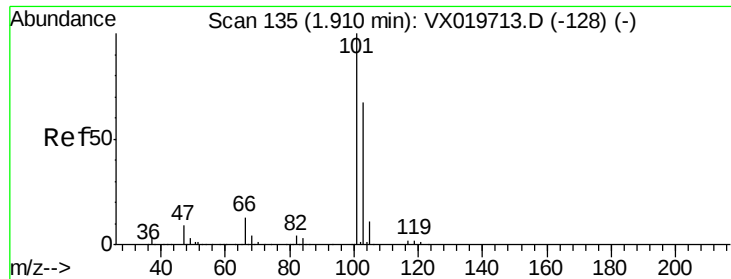
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

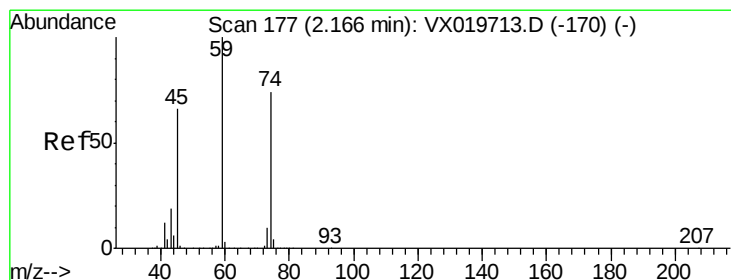
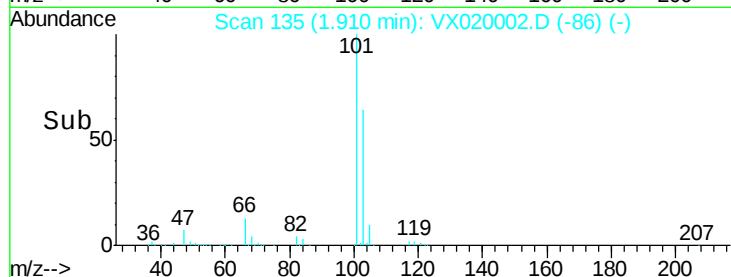
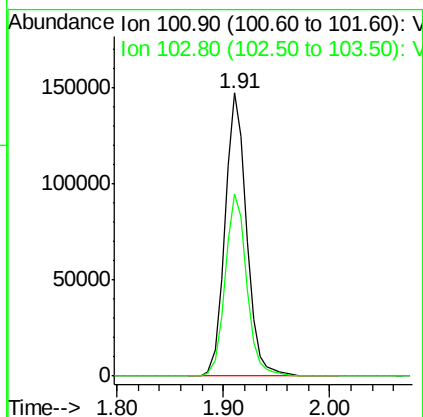
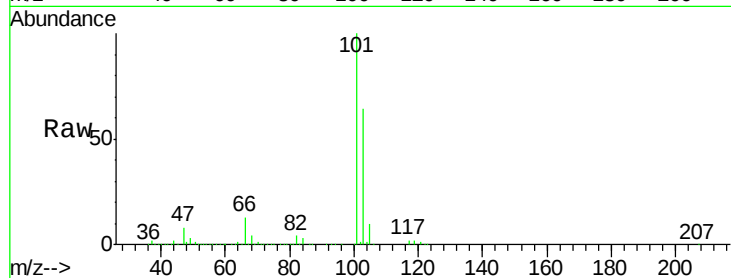
Trichlorofluoromethane
Concen: 51.069 ug/l
RT: 1.91 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.2	79.8

Manual Integrations
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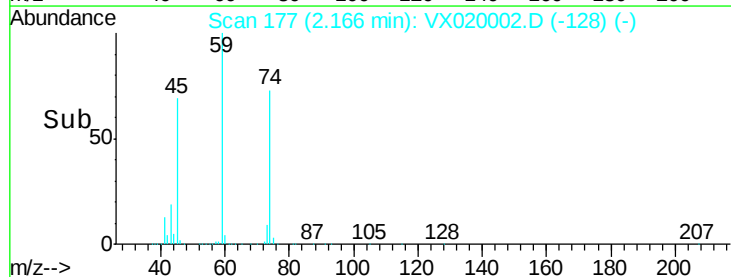
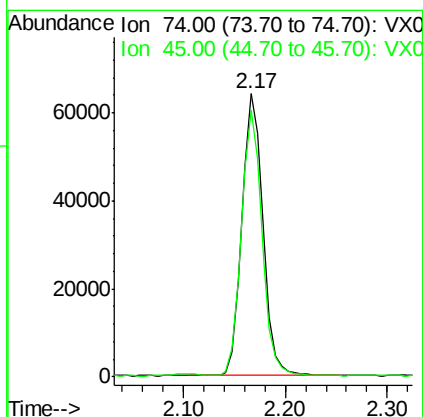
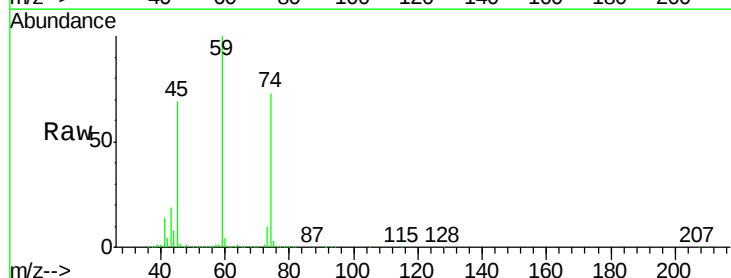
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12/15/2020 5:34:20 PM

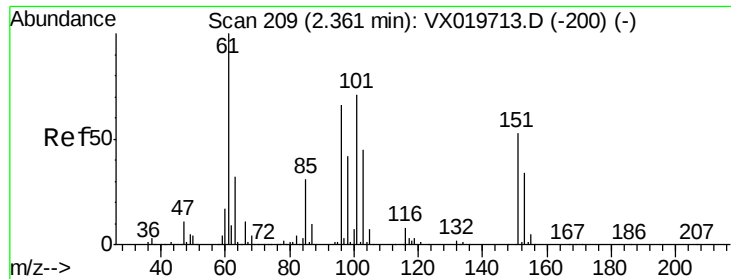


#8

Diethyl Ether
Concen: 52.216 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.783 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

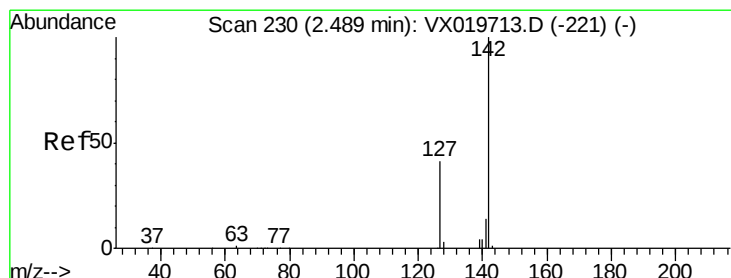
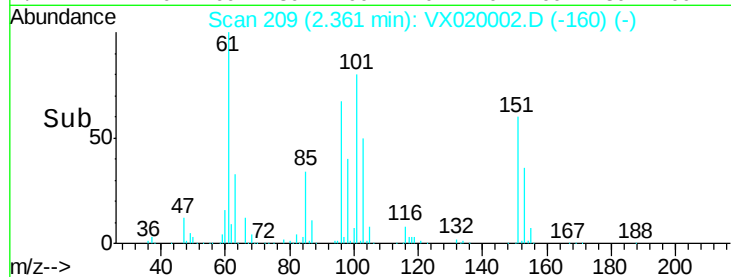
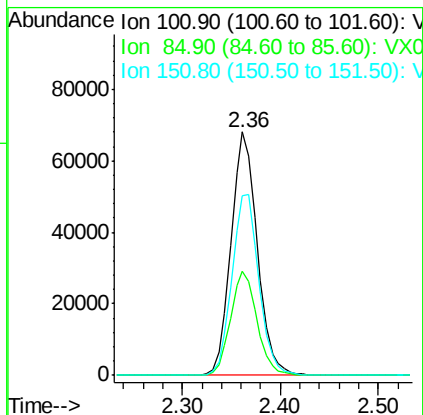
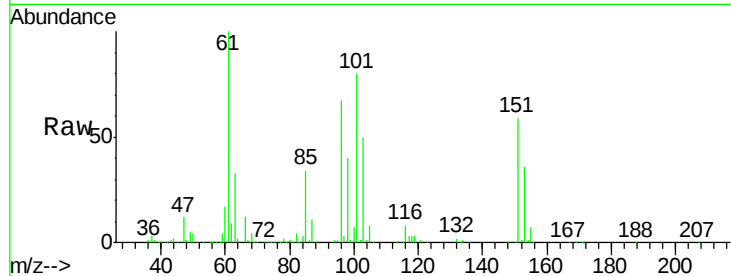
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	126407
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.9	52.3
151	76.6	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 33.883 ug/l

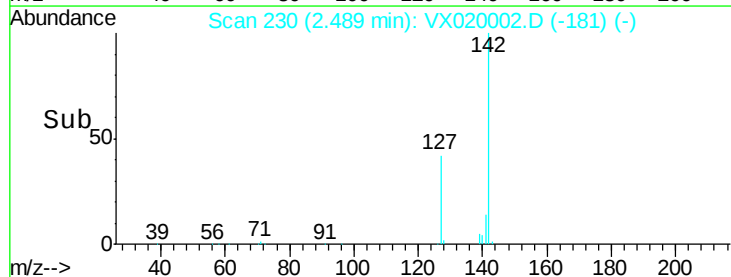
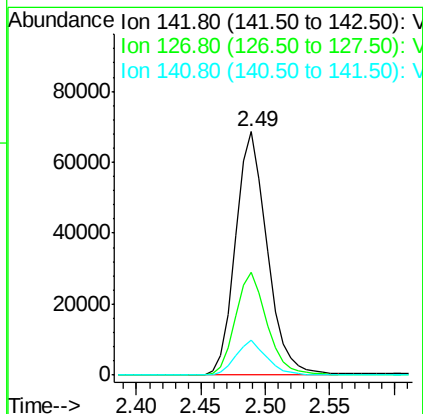
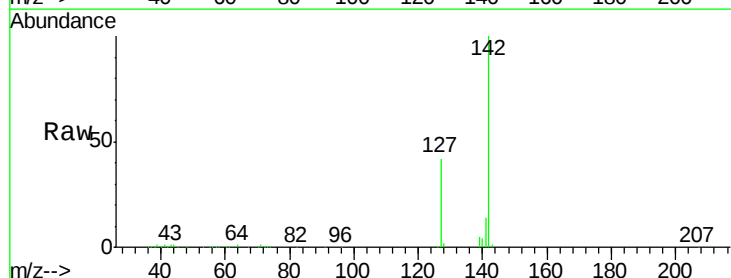
RT: 2.49 min Scan# 230

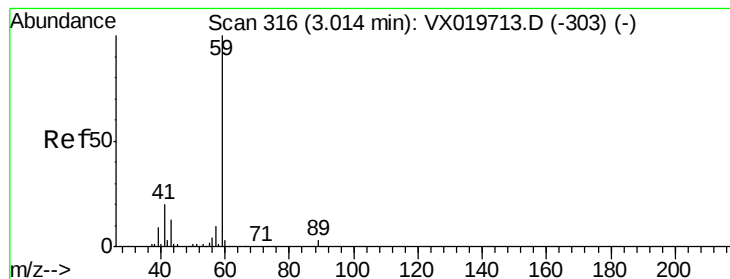
Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Tgt Ion:	142	Resp:	117381
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.3	49.9
141	14.1	11.4	17.0





#11

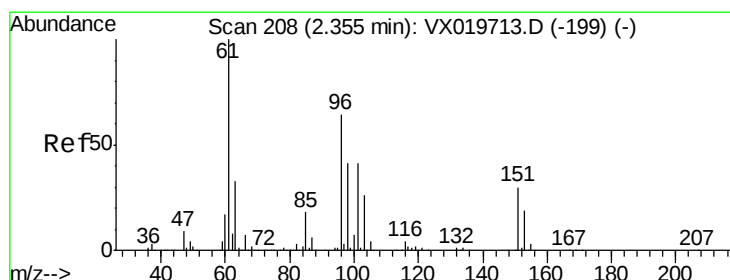
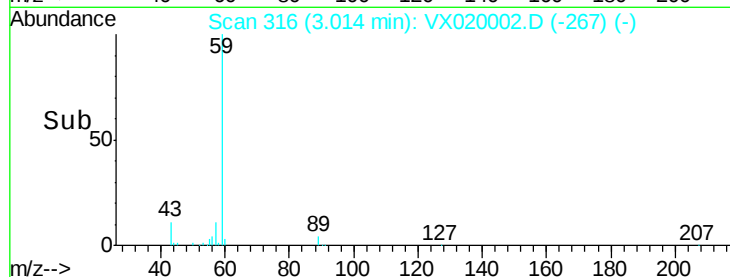
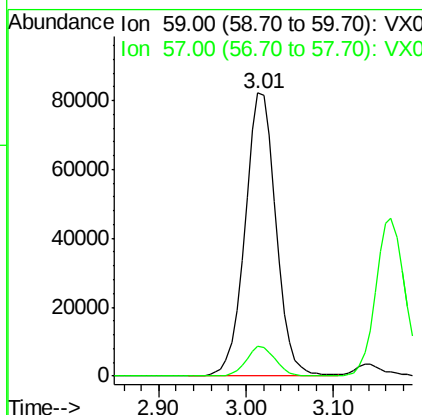
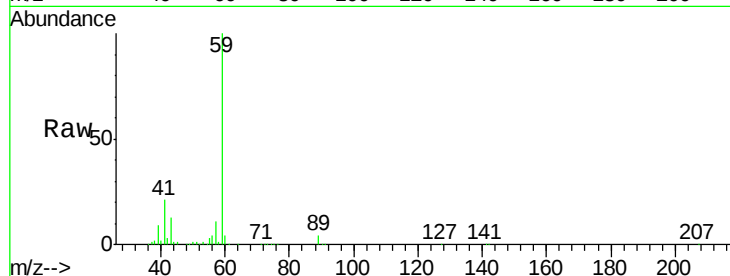
Tert butyl alcohol
Concen: 288.378 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	201795
Ion Ratio	100	Lower	Upper
59	100		
57	10.1	7.8	11.8

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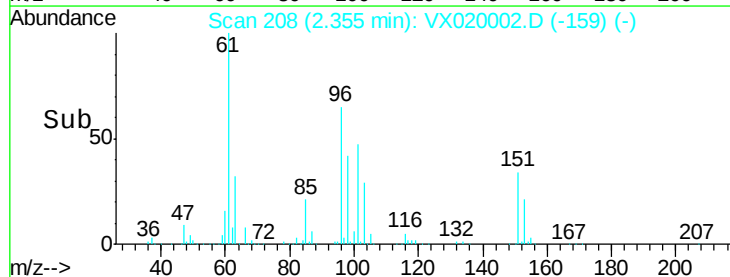
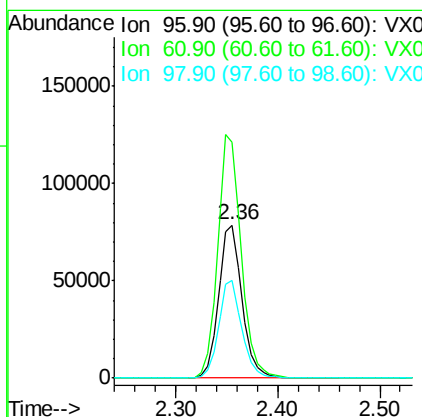
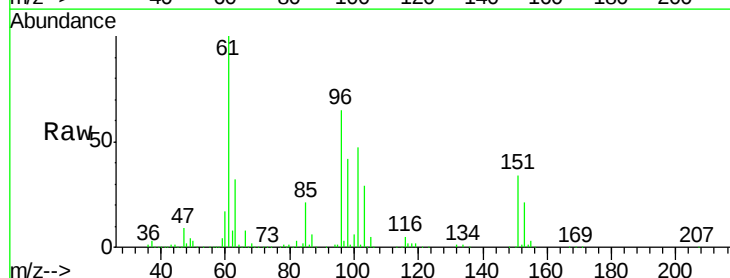
MMDadoda
12/15/2020 5:34:20 PM

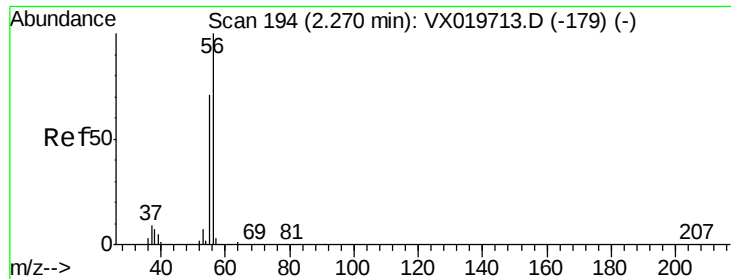


#12

1,1-Dichloroethene
Concen: 53.104 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	96	Resp	126180
Ion Ratio	100	Lower	Upper
96	100		
61	154.2	124.6	187.0
98	64.1	50.6	76.0





#13

Acrolein

Concen: 195.289 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 73474

Ion Ratio Lower Upper

56 100

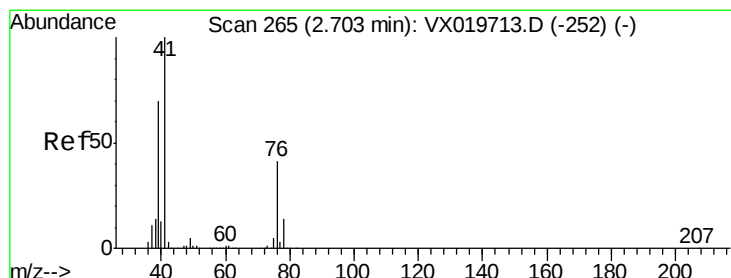
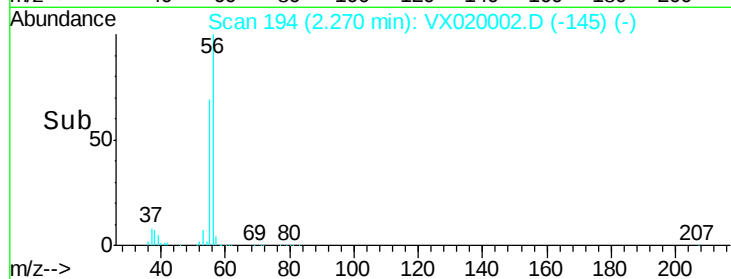
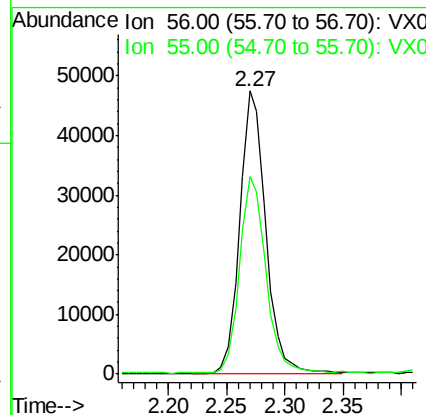
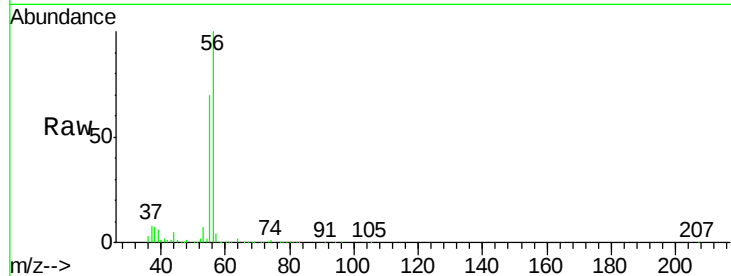
55 70.6 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 54.280 ug/l

RT: 2.70 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

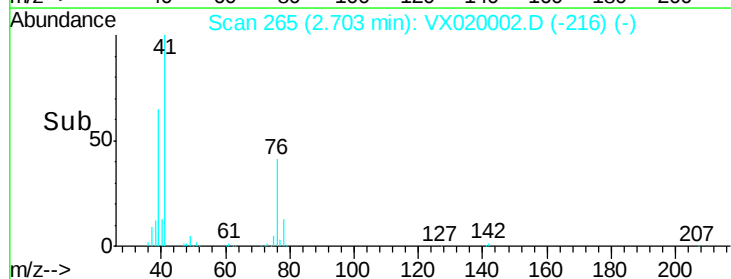
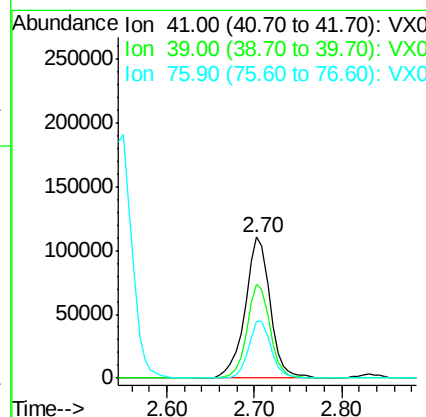
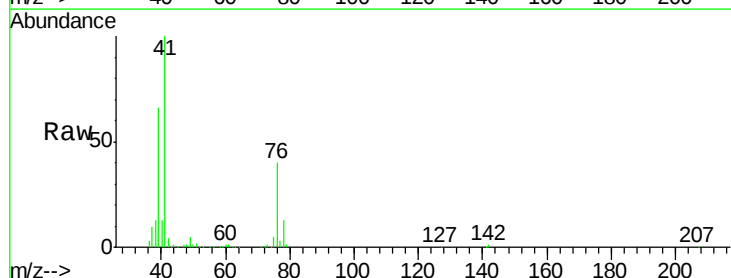
Tgt Ion: 41 Resp: 217828

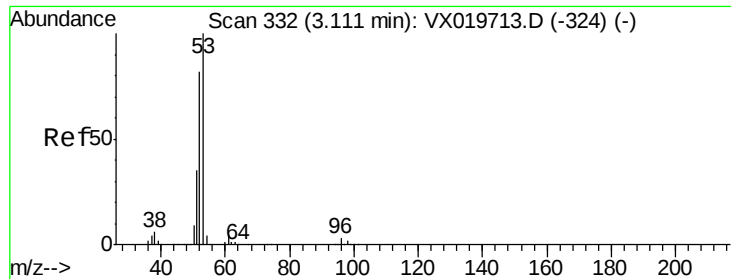
Ion Ratio Lower Upper

41 100

39 61.5 51.6 77.4

76 36.4 30.5 45.7





#15

Acrylonitrile

Concen: 292.777 ug/l

RT: 3.11 min Scan# 332

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

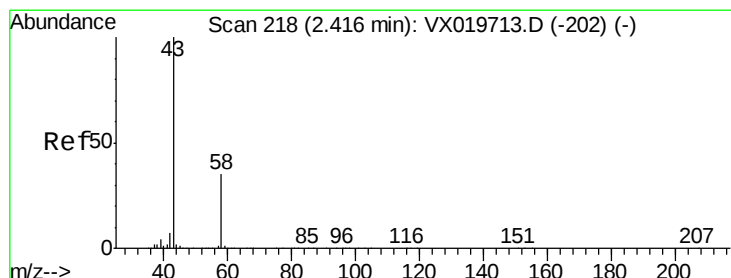
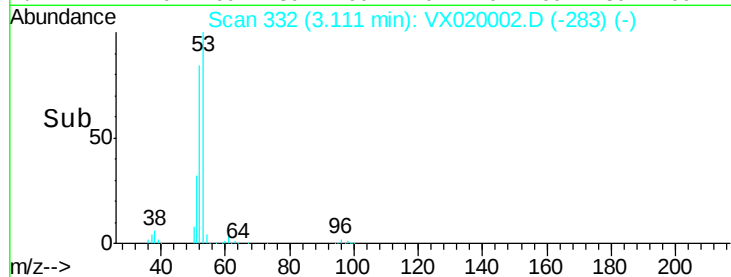
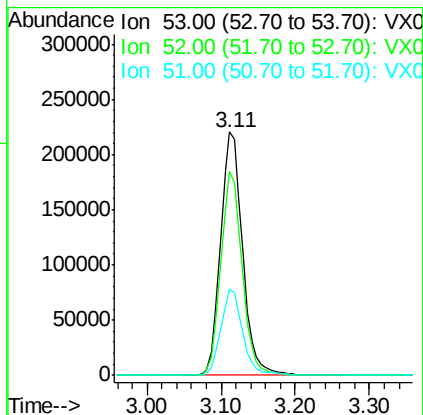
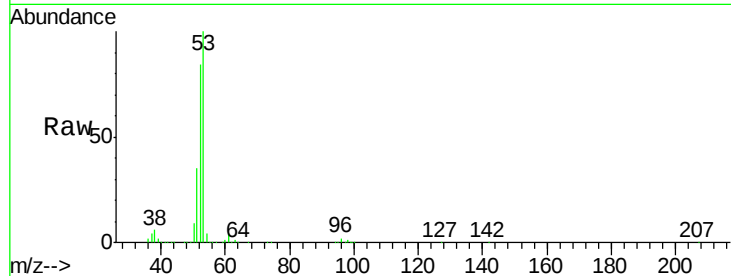
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	451136
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 281.071 ug/l

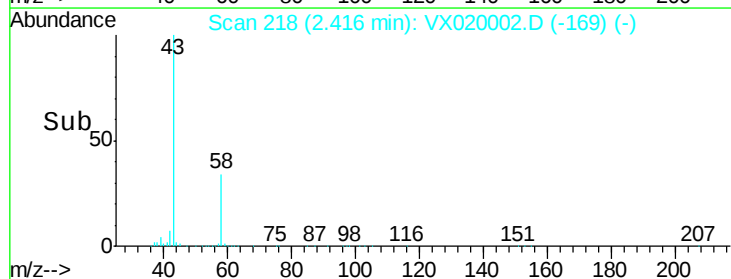
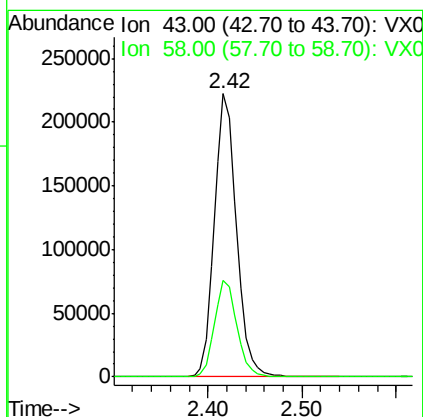
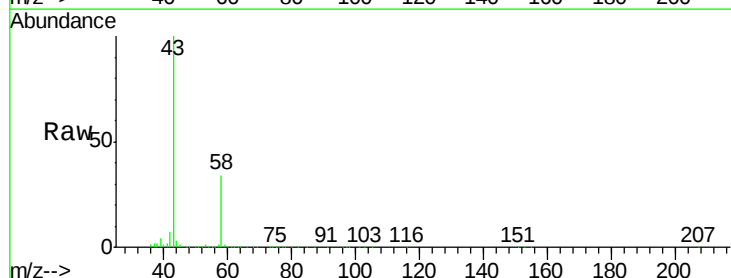
RT: 2.42 min Scan# 218

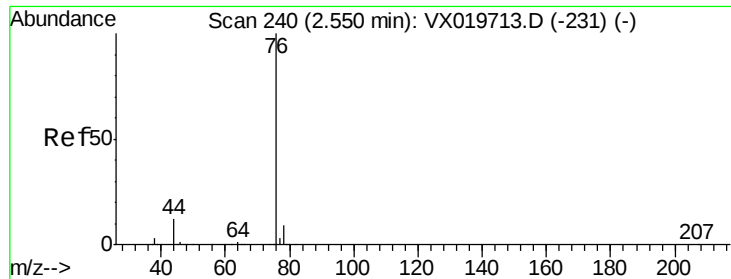
Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Tgt Ion:	43	Resp:	360099
Ion Ratio	Lower	Upper	
43	100		
58	34.3	27.8	41.8





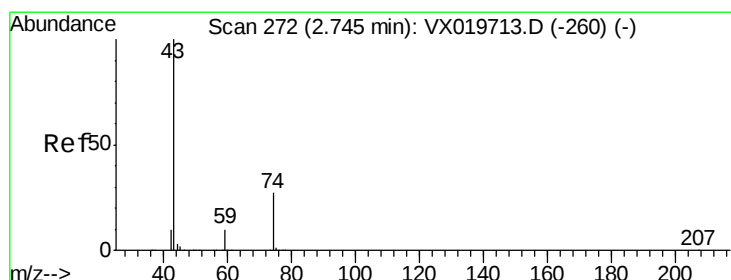
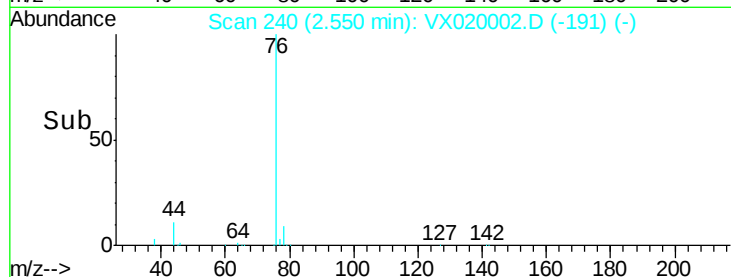
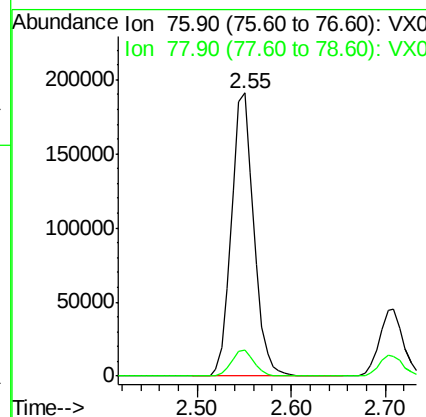
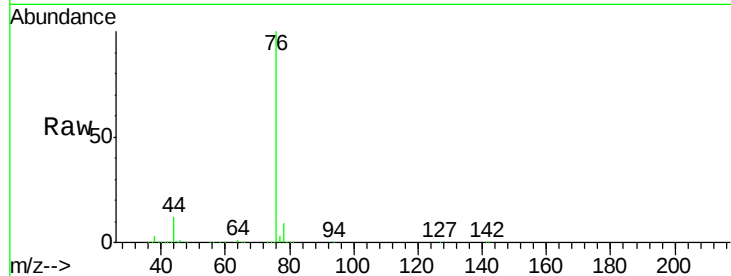
#17
Carbon Disulfide
Concen: 46.337 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

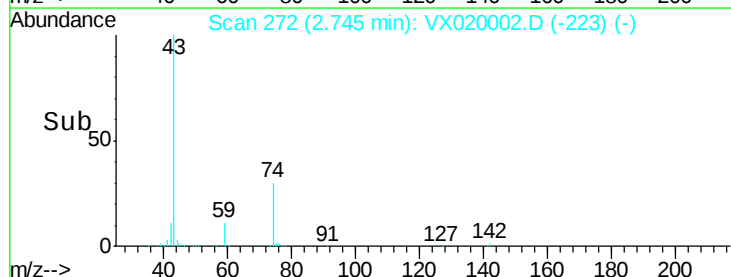
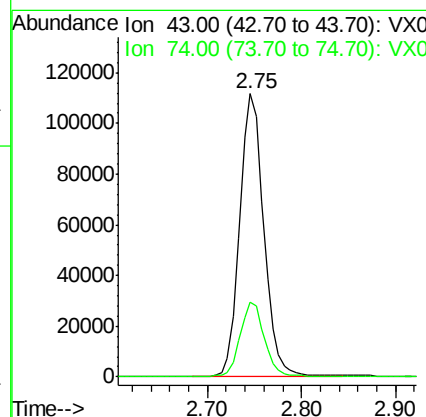
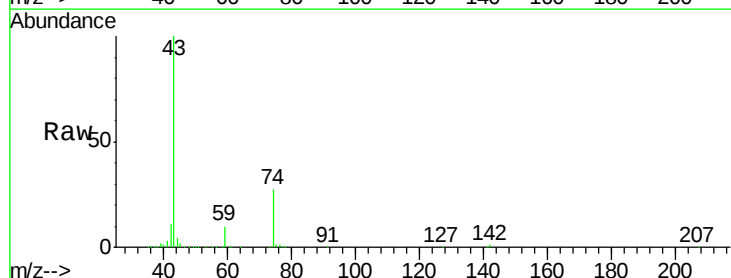
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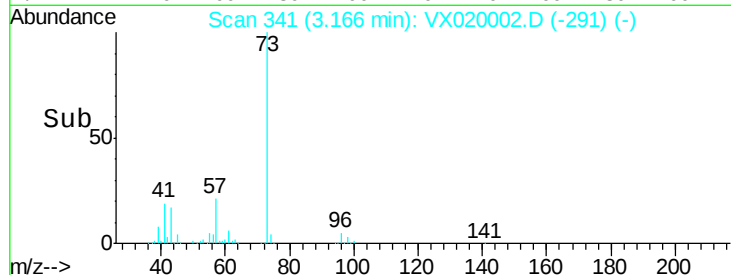
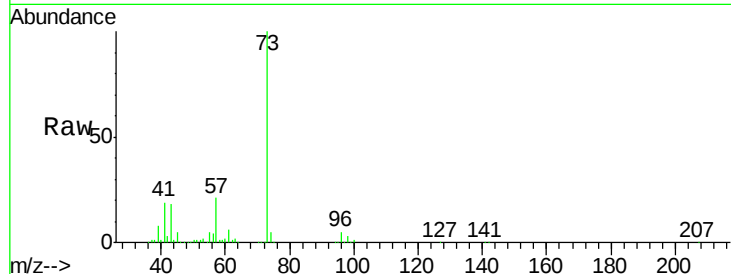
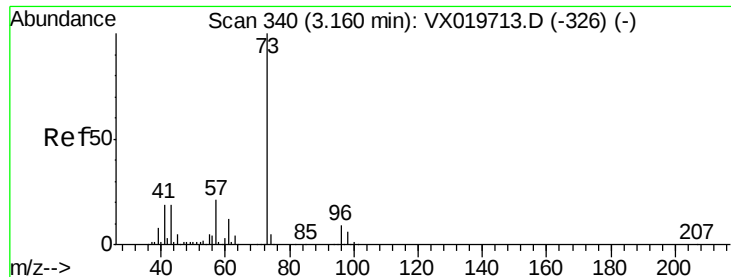
MMDadoda
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#18
Methyl Acetate
Concen: 63.589 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	21.9	32.9





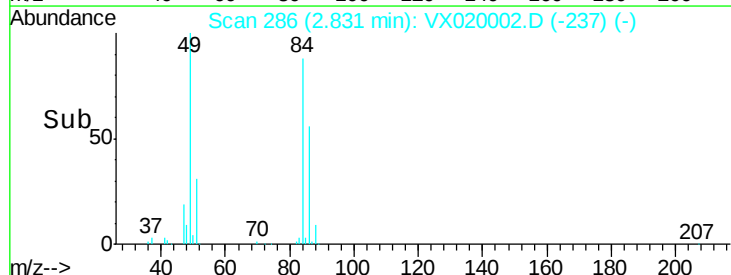
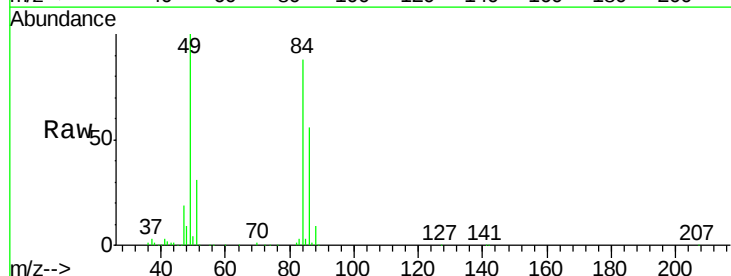
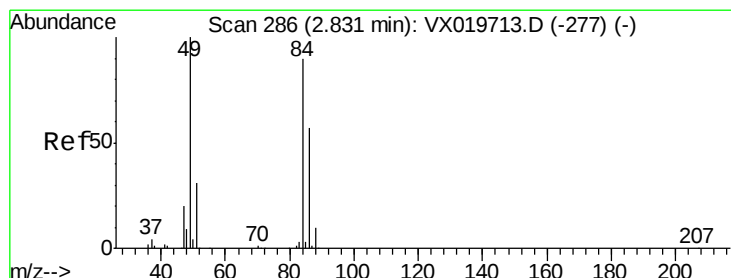
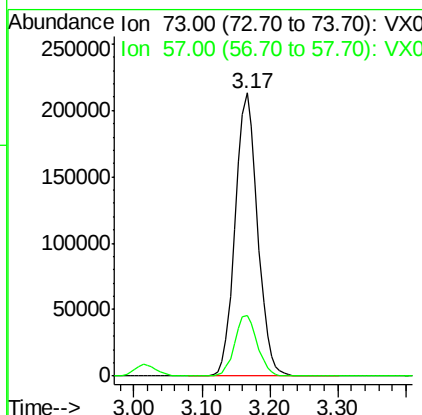
#19
Methyl tert-butyl Ether
Concen: 56.261 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tot Ion	73	Resp	486845
Ion Ratio	100	Lower	Upper
73	100		
57	21.5	17.1	25.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

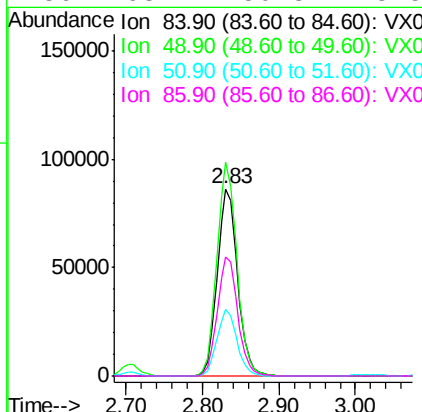
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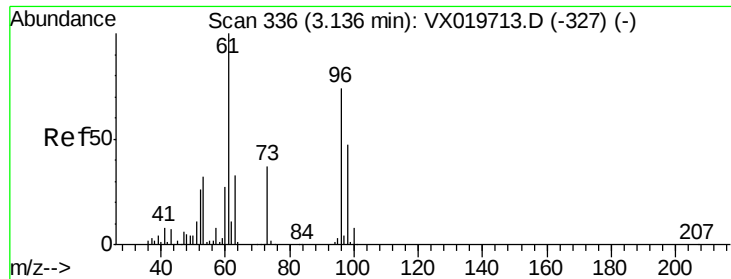
MMDadoda
12/15/2020 5:34:20 PM



#20
Methylene Chloride
Concen: 54.211 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	84	Resp	158208
Ion Ratio	100	Lower	Upper
84	100		
49	114.1	88.6	132.8
51	35.7	27.0	40.6
86	63.7	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 53.317 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 147699

Ion Ratio Lower Upper

96 100

61 133.2 107.7 161.5

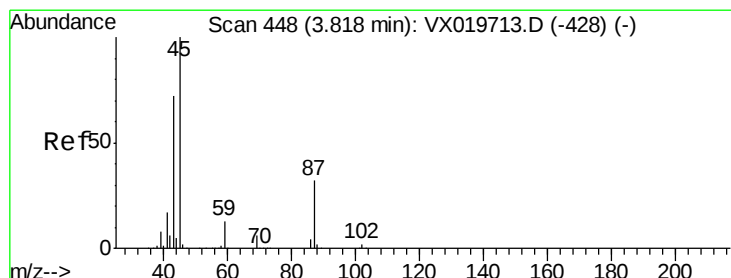
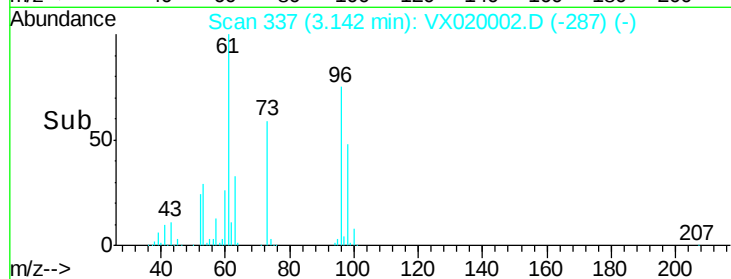
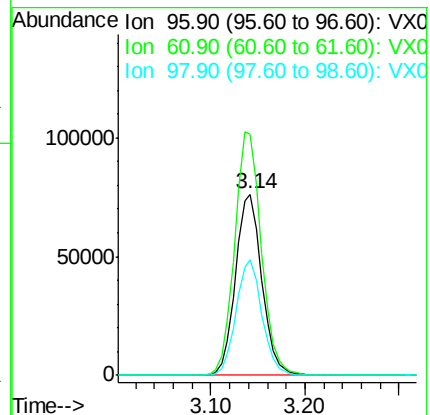
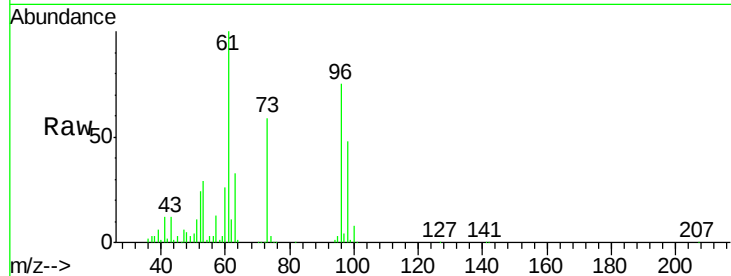
98 63.9 50.4 75.6

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#22

Diisopropyl ether

Concen: 57.553 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.01 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Tgt Ion: 45 Resp: 466974

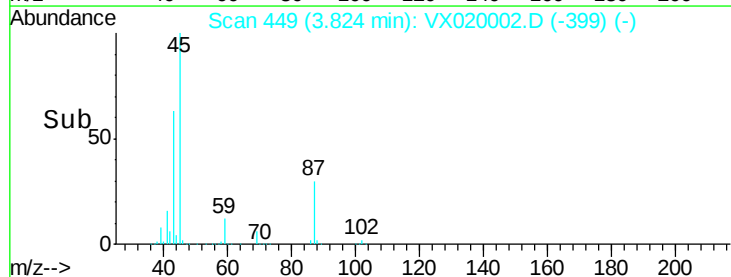
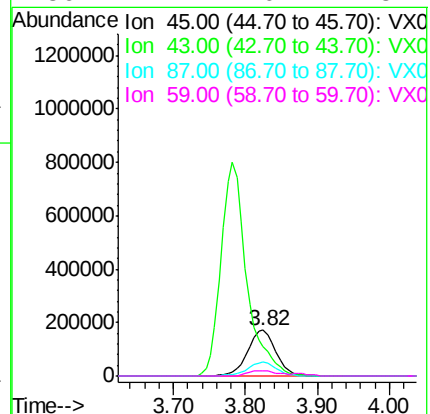
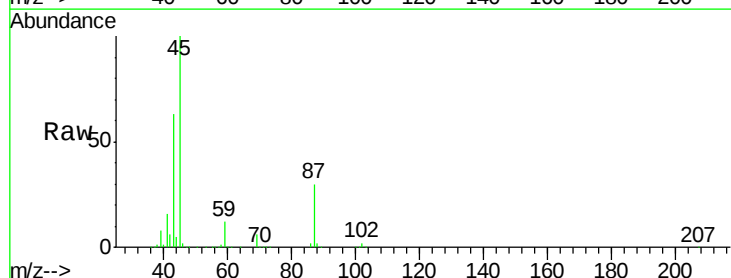
Ion Ratio Lower Upper

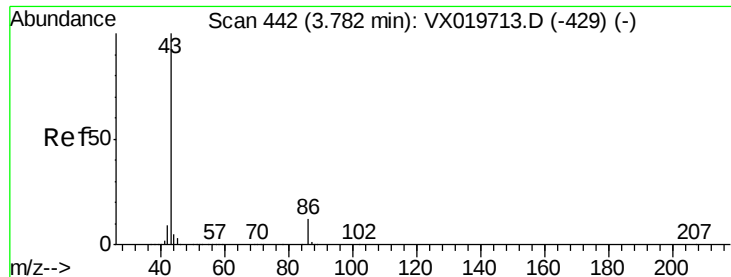
45 100

43 62.7 58.0 87.0

87 30.2 25.4 38.0

59 12.4 10.2 15.2





#23

Vinyl Acetate

Concen: 289.484 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2001087

Ion Ratio Lower Upper

43 100

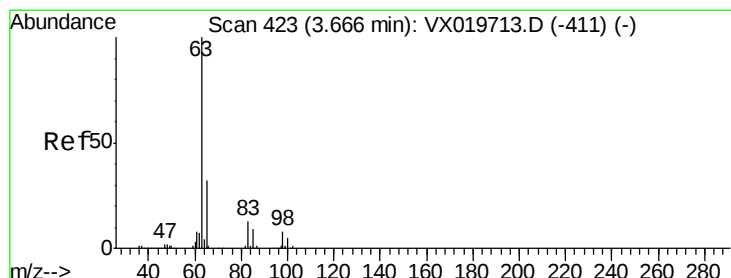
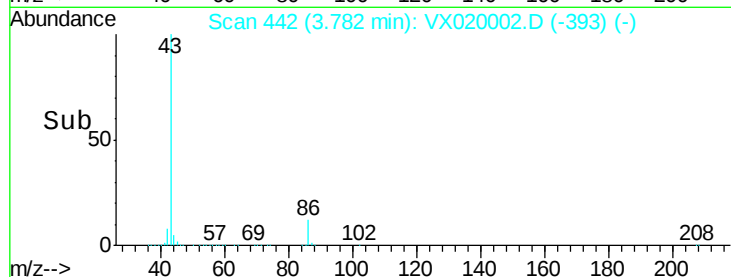
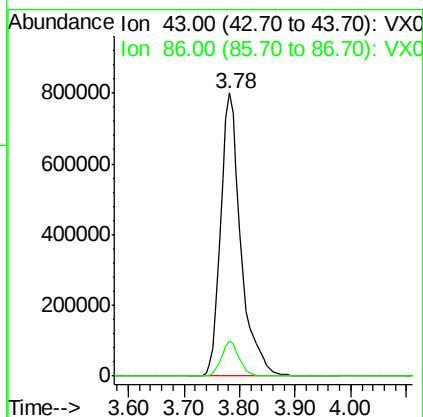
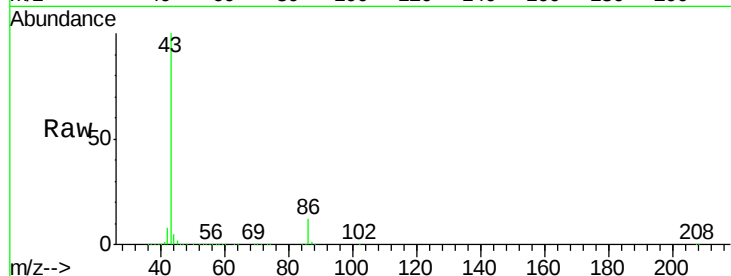
86 12.3 9.9 14.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.609 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

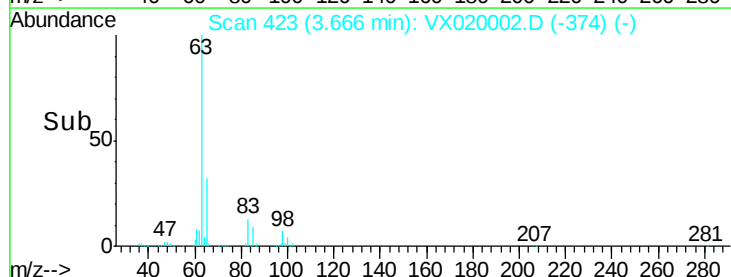
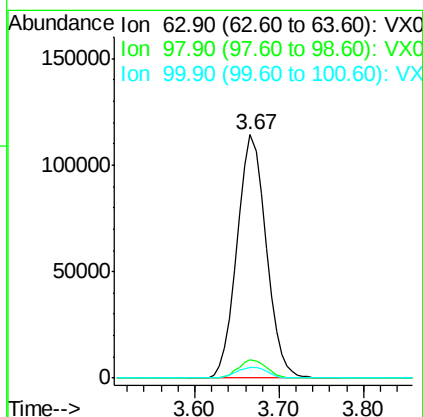
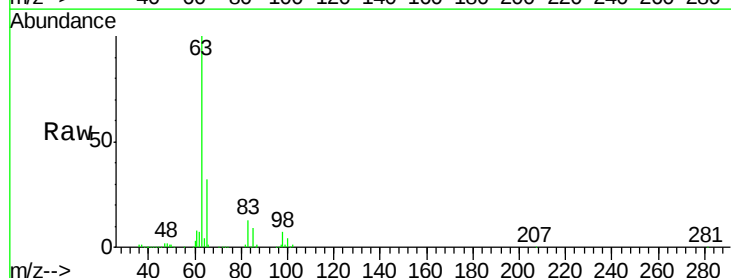
Tgt Ion: 63 Resp: 267196

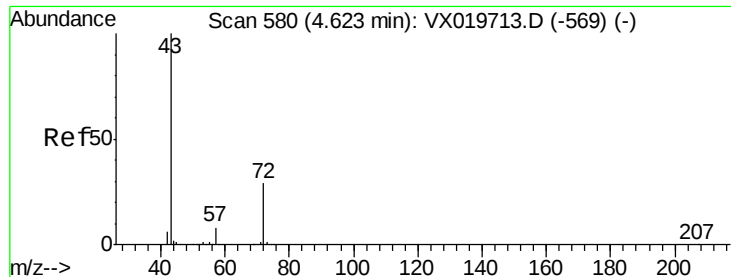
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 4.4 2.5 7.5





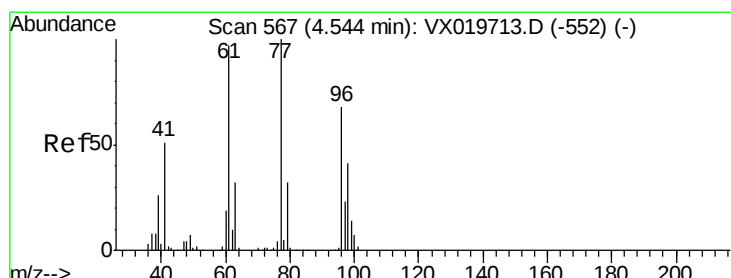
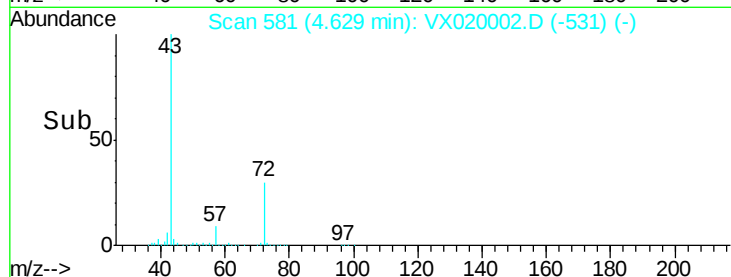
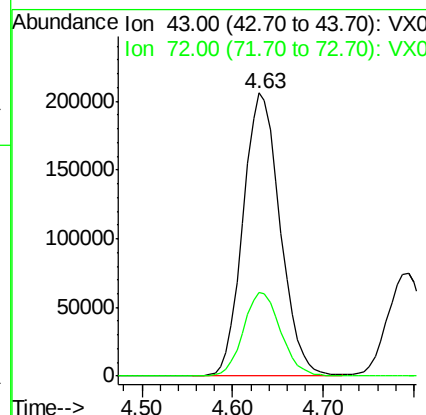
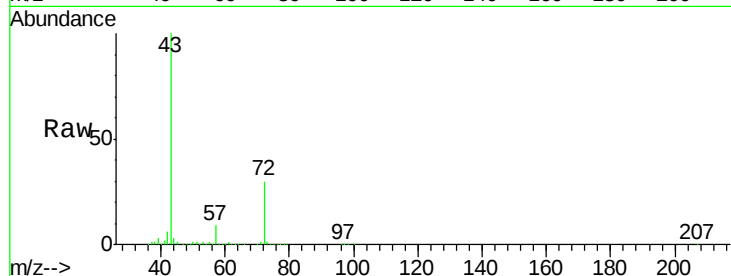
#25
2-Butanone
Concen: 294.968 ug/l
RT: 4.63 min Scan# 581
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 580686
Ion Ratio Lower Upper
43 100
72 29.7 23.7 35.5

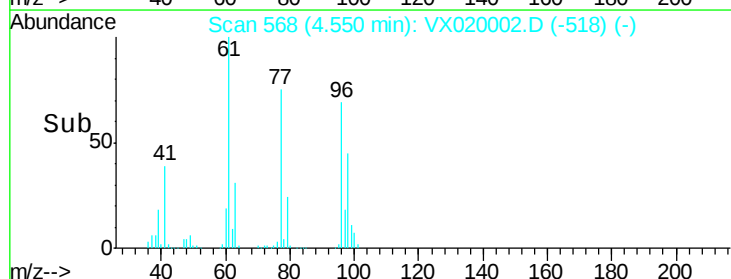
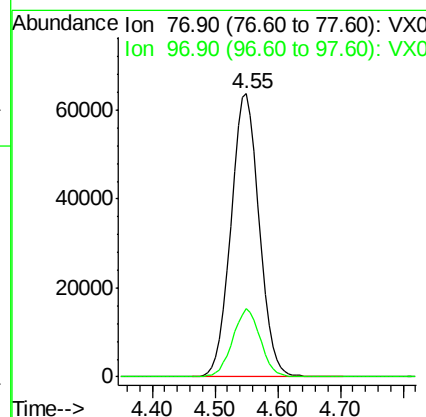
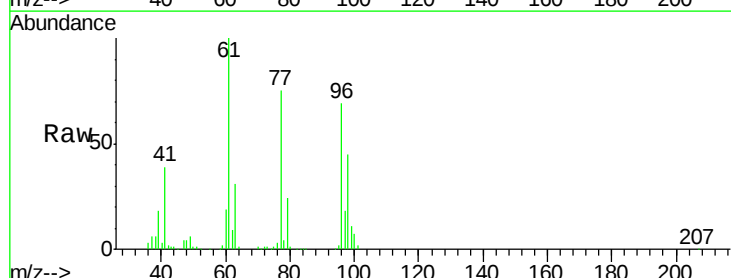
Manual Integrations
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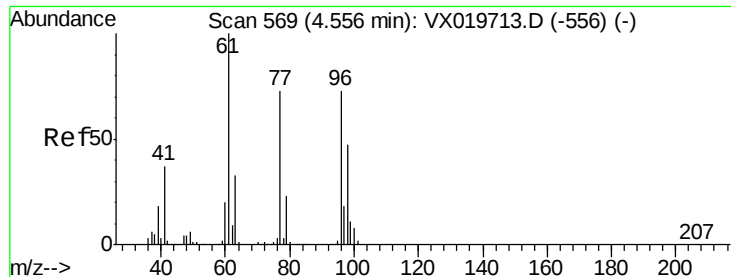
MMDadoda
12/15/2020 5:34:20 PM



#26
2,2-Dichloropropane
Concen: 47.030 ug/l
RT: 4.55 min Scan# 568
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion: 77 Resp: 198166
Ion Ratio Lower Upper
77 100
97 23.6 11.7 35.1





#27

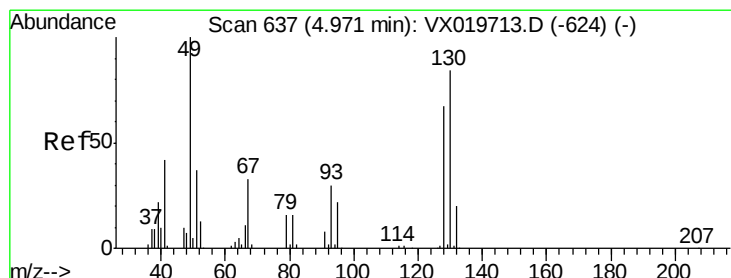
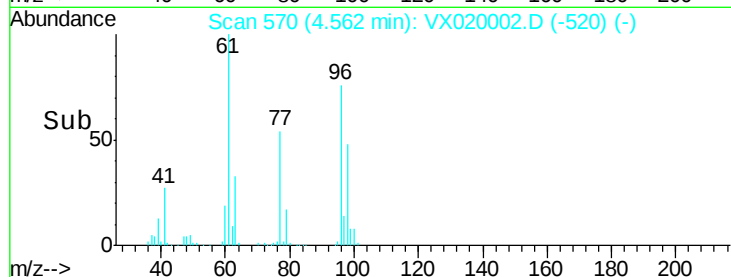
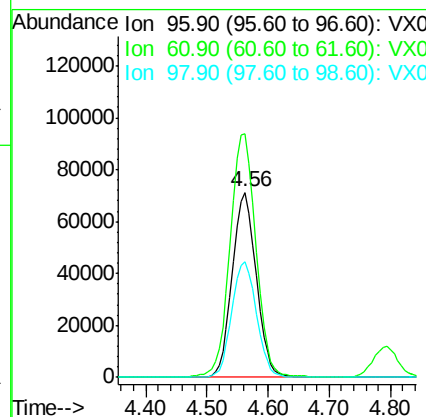
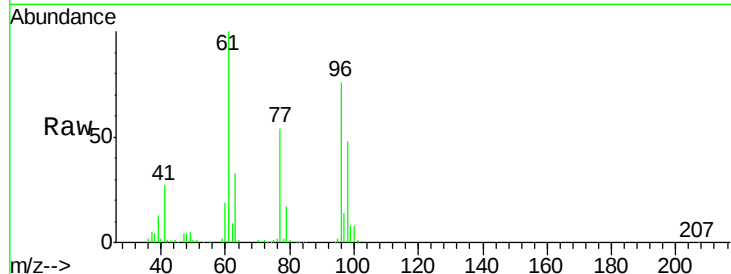
cis-1,2-Dichloroethene
Concen: 59.339 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.0	0.0	285.6	
98	64.4	0.0	129.6	

Manual Integrations
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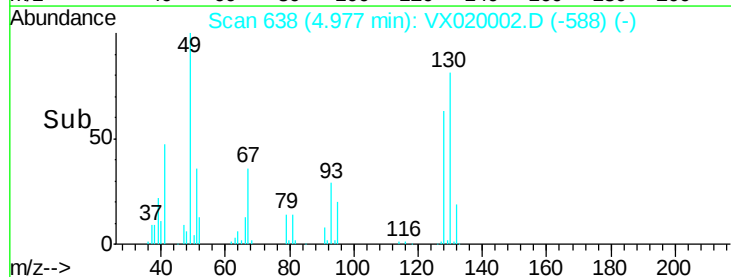
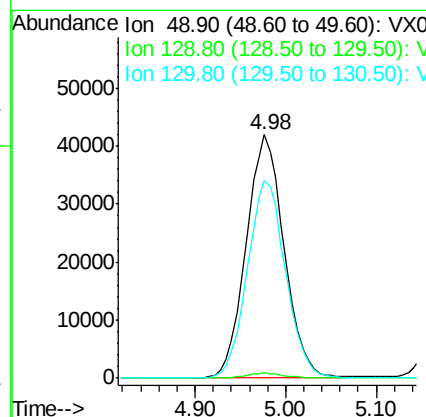
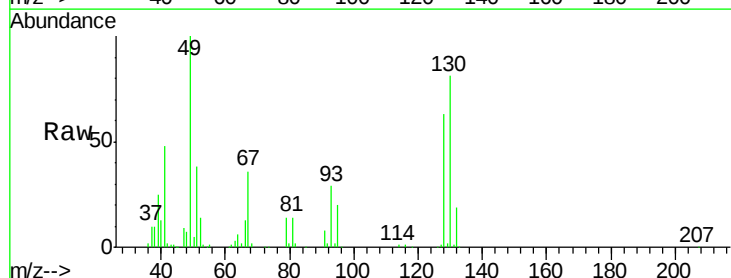
MMDadoda
12/15/2020 5:34:20 PM

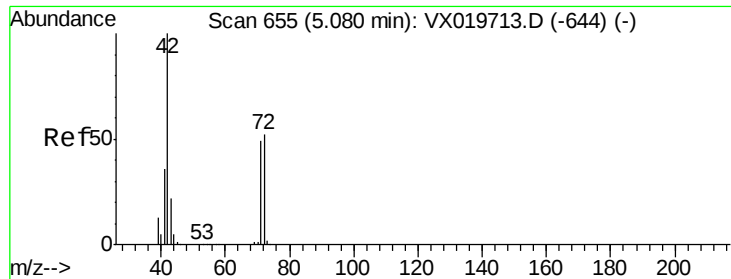


#28

Bromochloromethane
Concen: 52.034 ug/l
RT: 4.98 min Scan# 638
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	82.0	68.2	102.2	





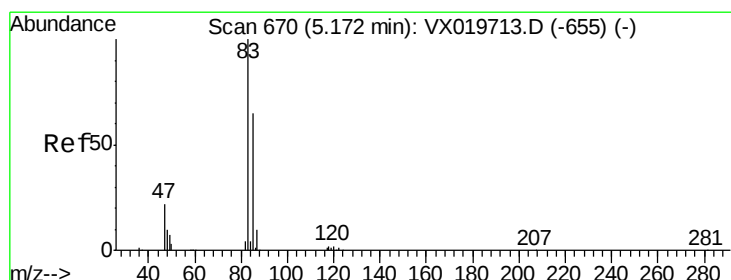
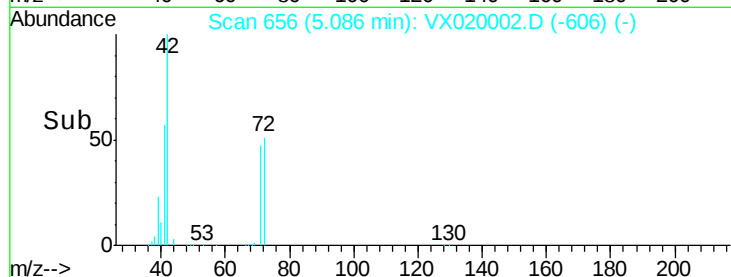
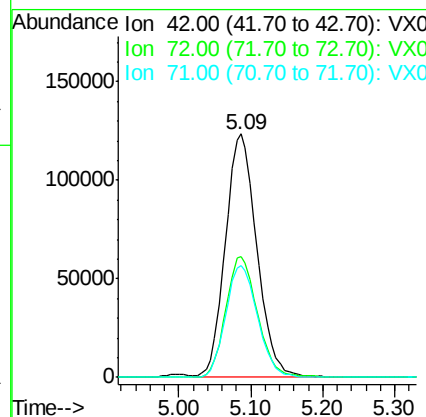
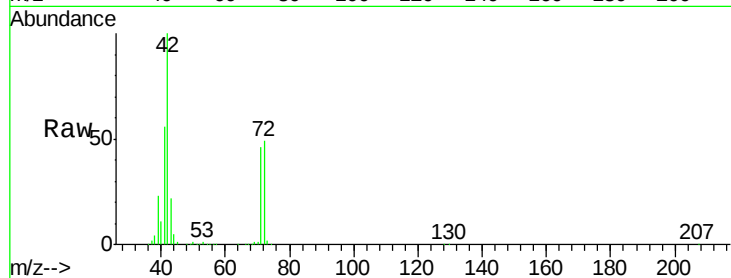
#29
Tetrahydrofuran
Concen: 293.707 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	41.7	62.5
71	46.9	38.4	57.6

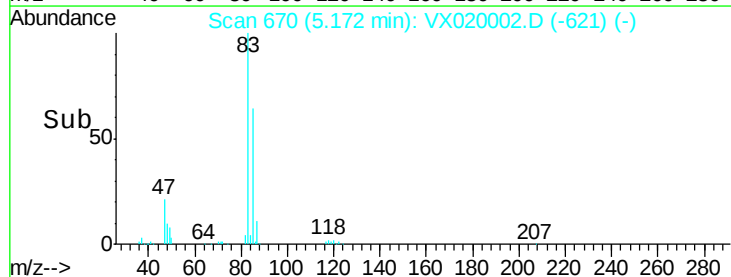
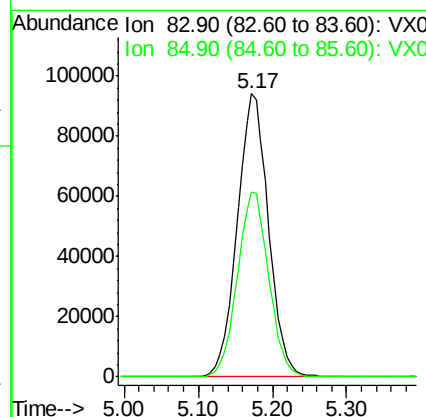
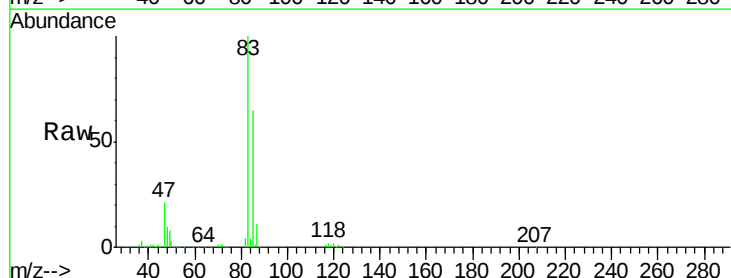
Manual Integrations
APPROVED

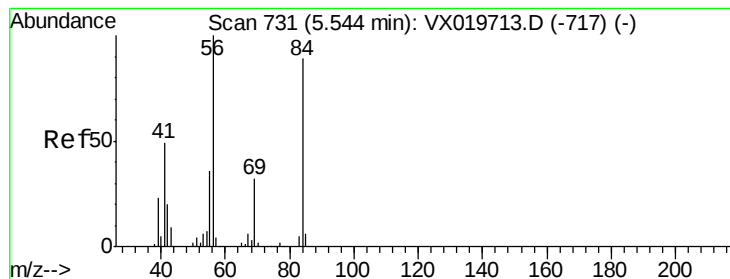
MMDadoda
12/15/2020 5:34:20 PM



#30
Chloroform
Concen: 54.818 ug/l
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.0	78.0





#31

Cvclohexane

Concen: 52.226 ug/l

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 221431

Ion Ratio Lower Upper

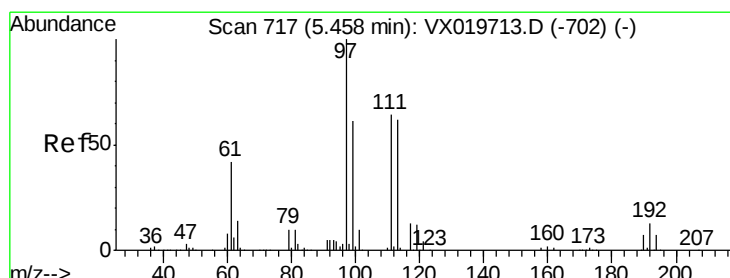
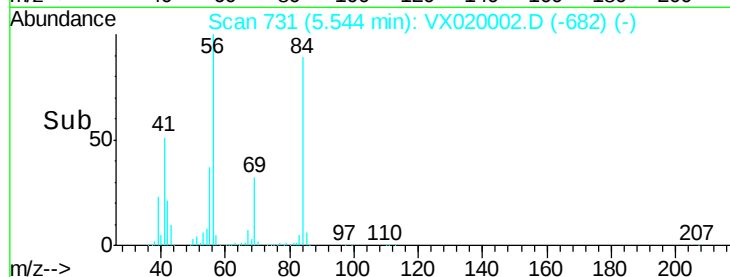
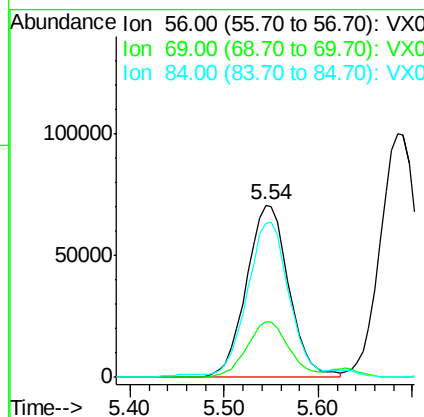
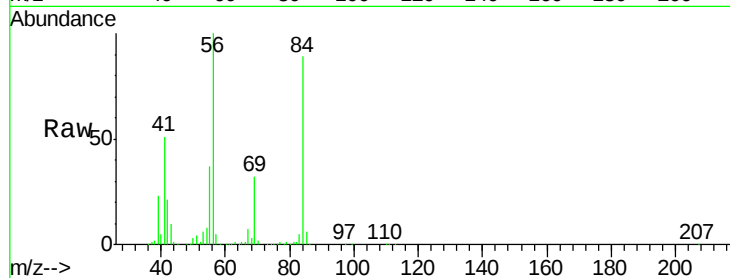
56 100

69 32.1 25.3 37.9

84 87.6 71.4 107.0

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 54.292 ug/l

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

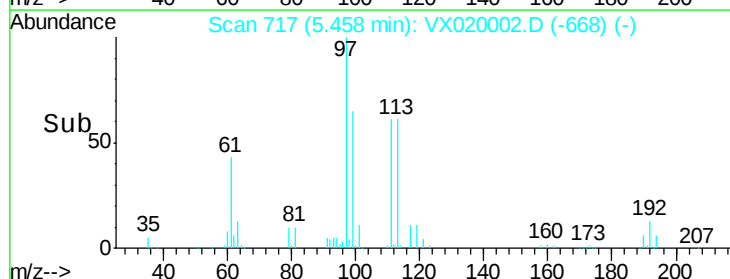
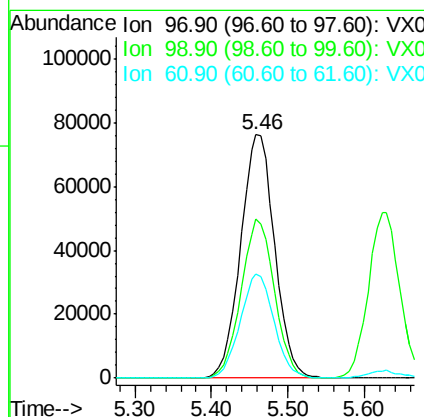
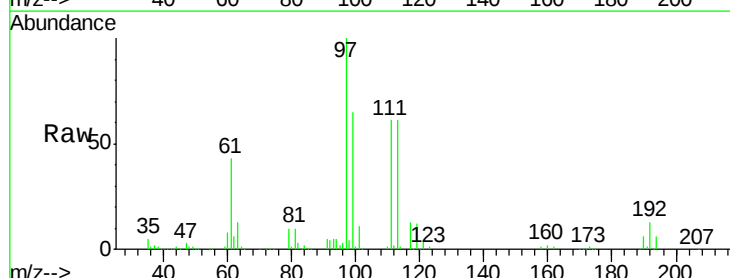
Tgt Ion: 97 Resp: 235224

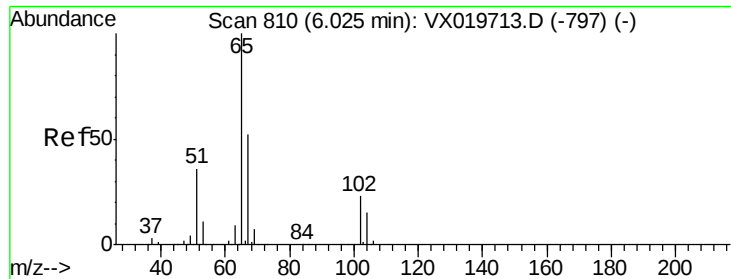
Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

61 42.5 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 48.993 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 166993

Ion Ratio Lower Upper

65 100

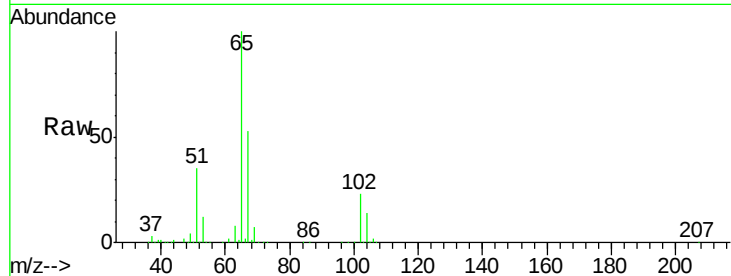
67 53.2 0.0 105.4

Manual Integrations

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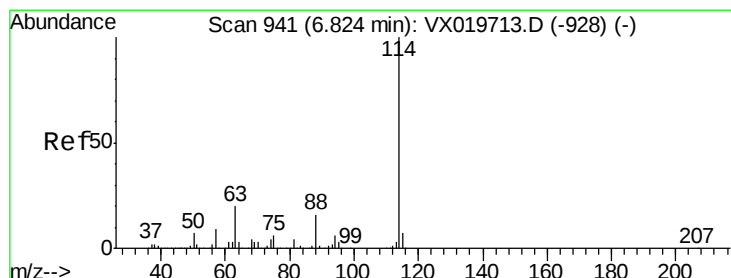
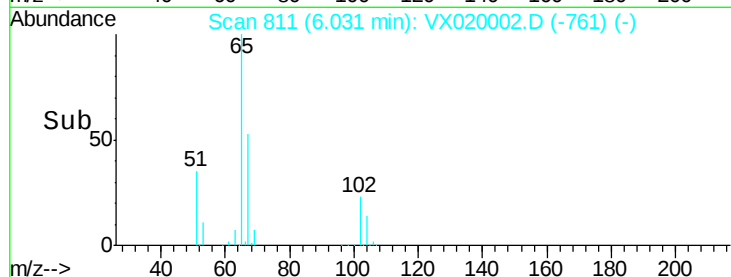
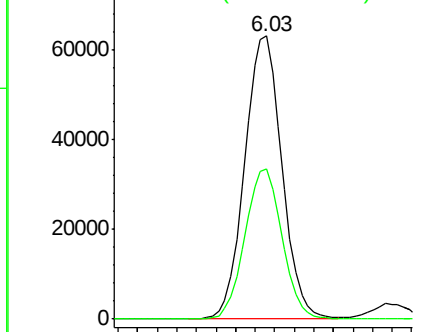
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Abundance Ion 64.90 (64.60 to 65.60): VX0

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. 0.01 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

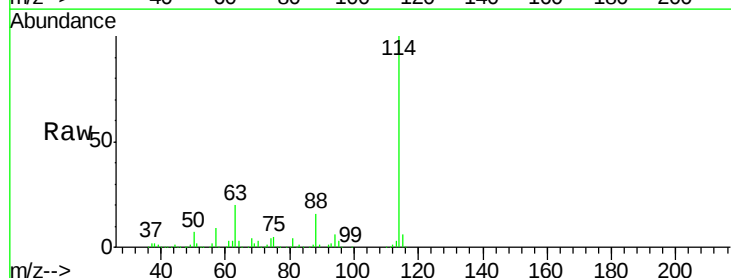
Tgt Ion: 114 Resp: 433730

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

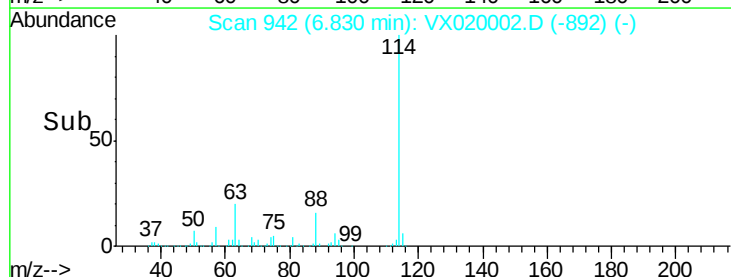
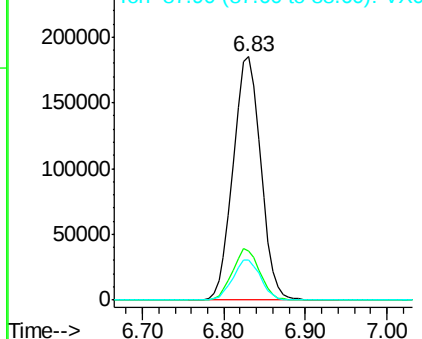
88 16.3 0.0 32.8

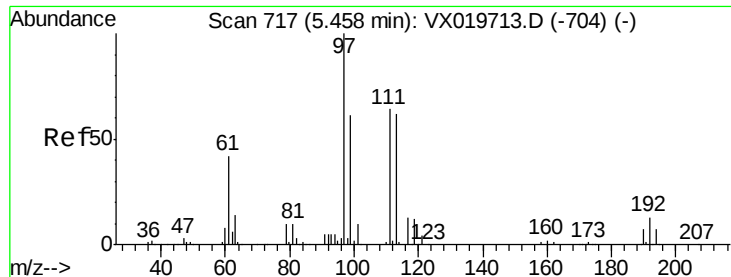


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





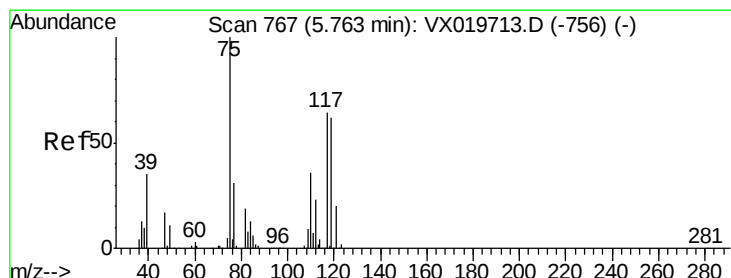
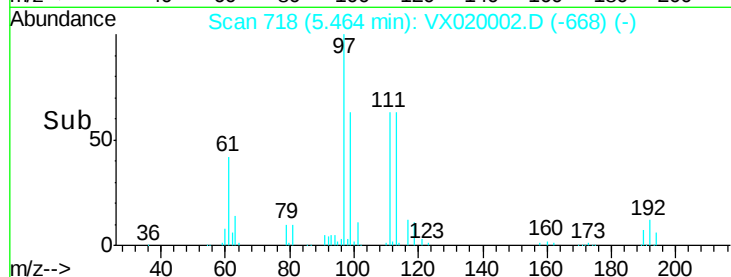
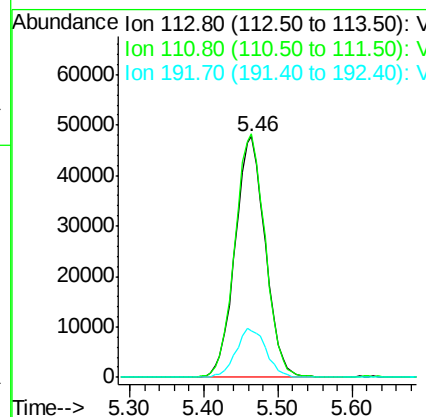
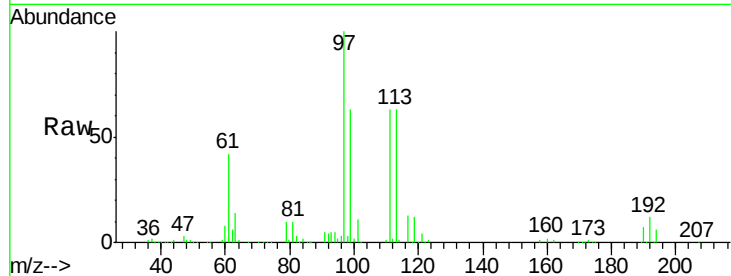
#35
 Dibromofluoromethane
 Concen: 48.323 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	135457		
111	101.7	81.9	122.9	
192	20.3	16.7	25.1	

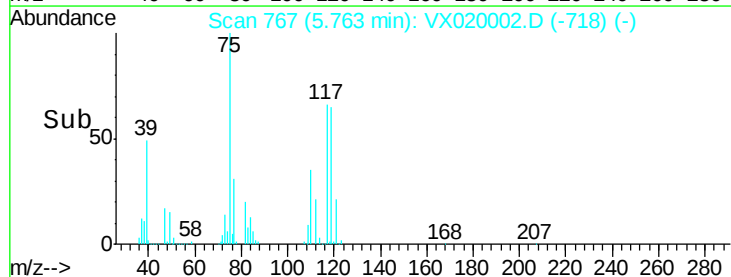
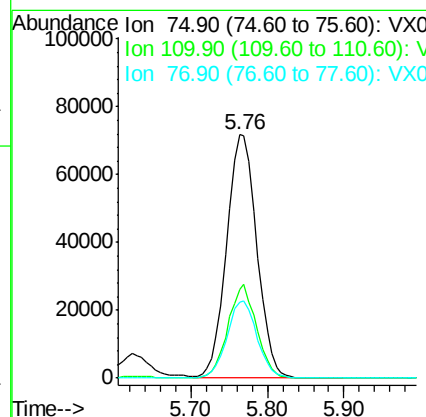
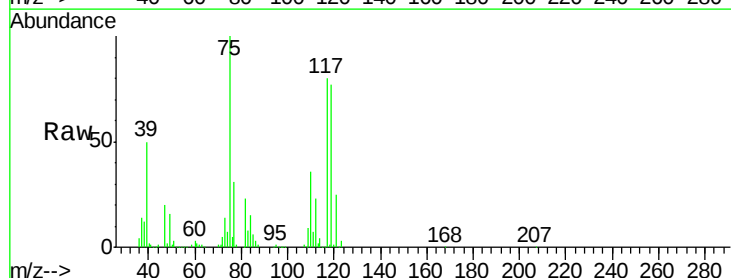
Manual Integrations
 APPROVED

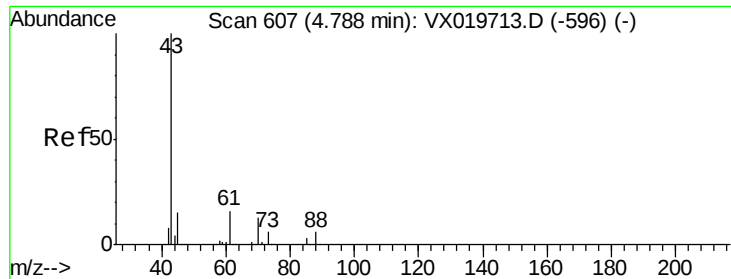
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 12/15/2020 5:34:20 PM



#36
 1,1-Dichloropropene
 Concen: 49.937 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	195718		
110	36.4	18.1	54.4	
77	31.6	25.3	37.9	





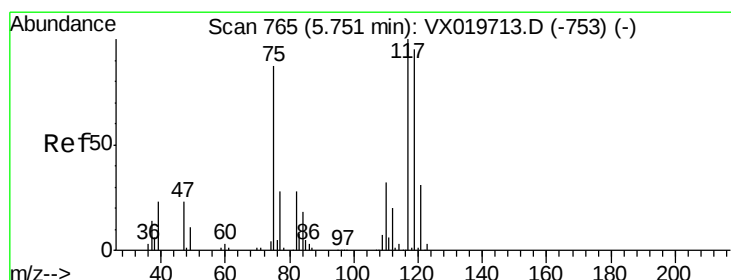
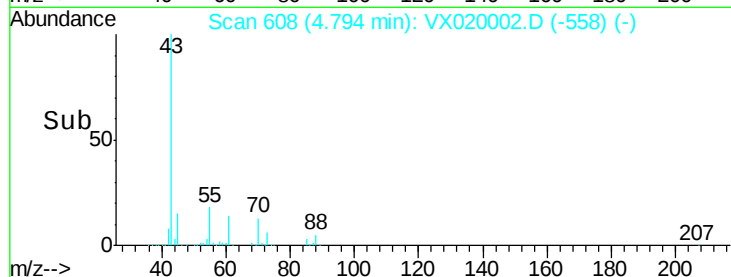
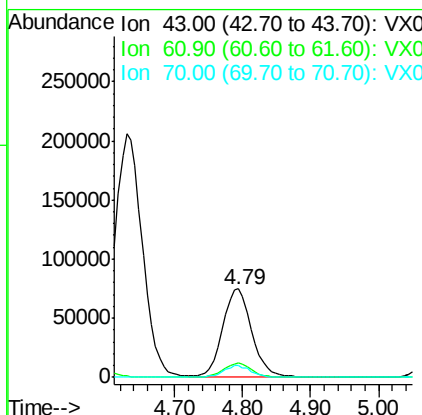
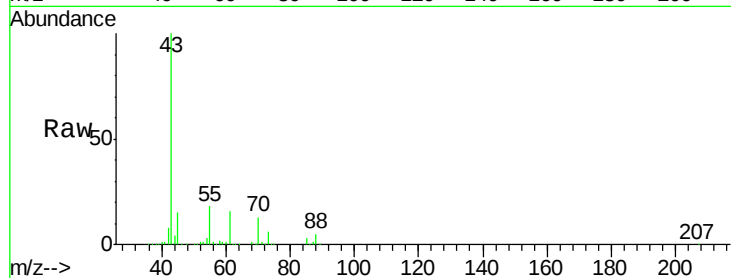
#37
Ethyl Acetate
Concen: 55.727 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.8	19.2
70	12.7	10.5	15.7

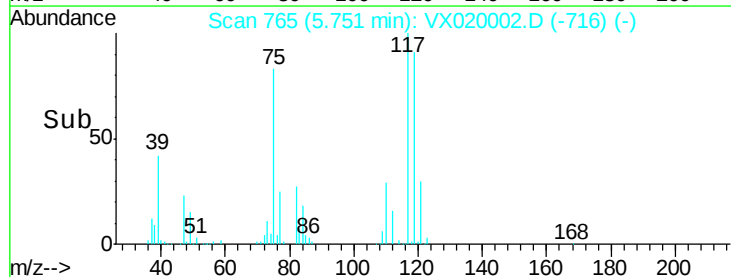
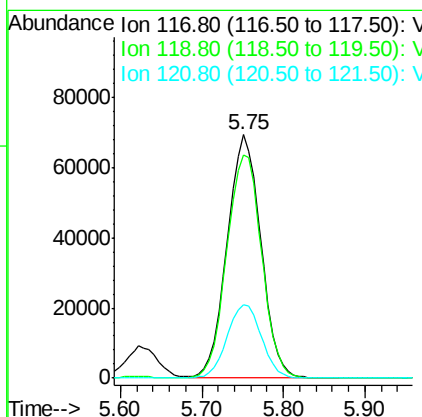
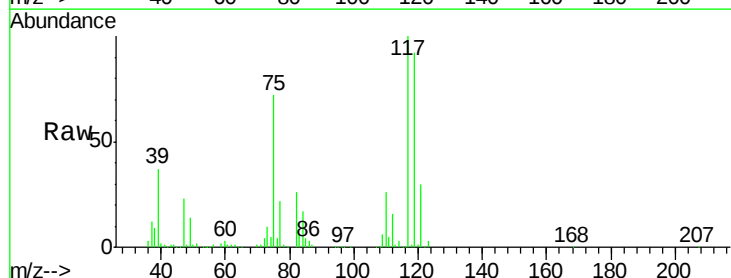
Manual Integrations
APPROVED

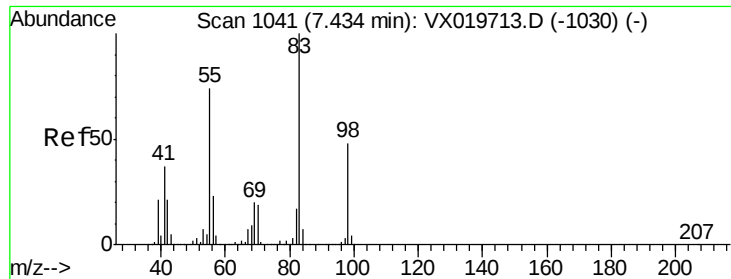
MMDadoda
12/15/2020 5:34:20 PM



#38
Carbon Tetrachloride
Concen: 51.702 ug/l
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.2	114.2
121	30.2	24.8	37.2





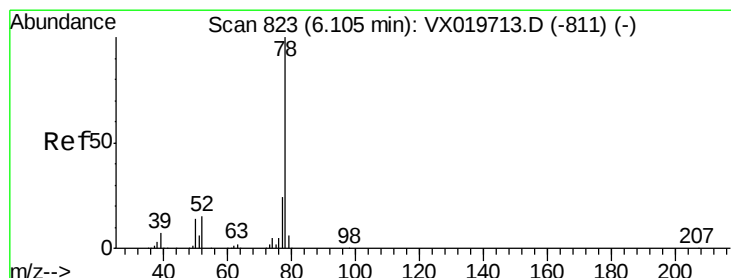
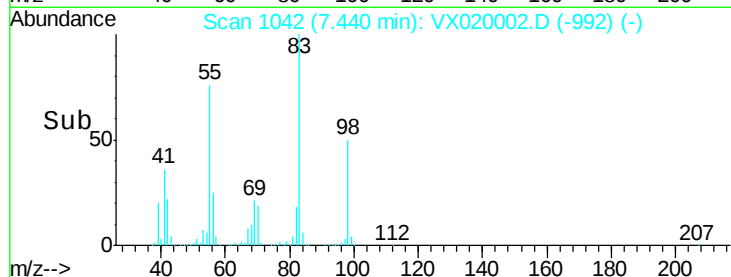
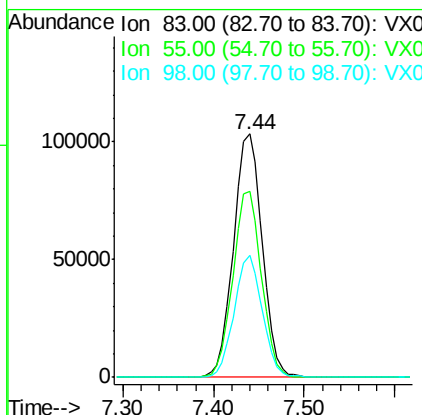
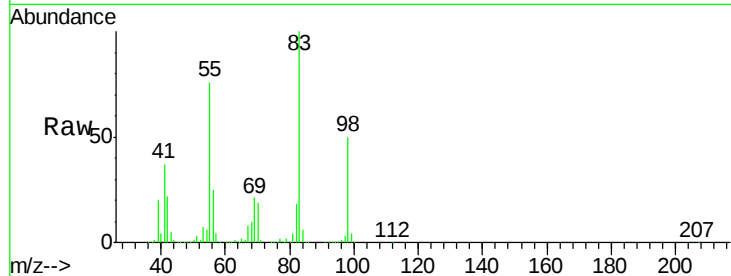
#39
Methvlcvclohexane
Concen: 49.419 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	227564		
55	76.4		58.9	88.3
98	50.1		38.1	57.1

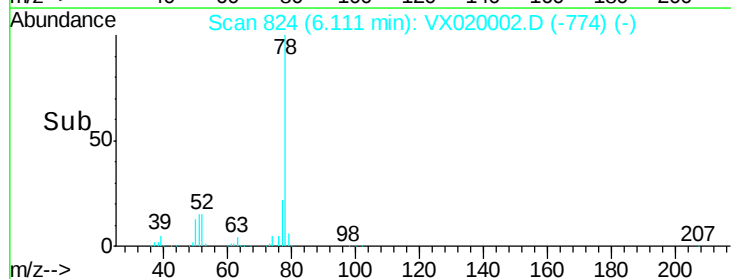
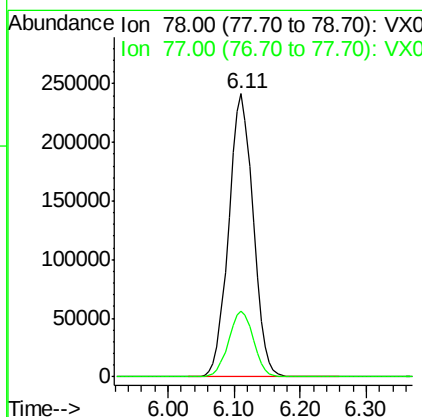
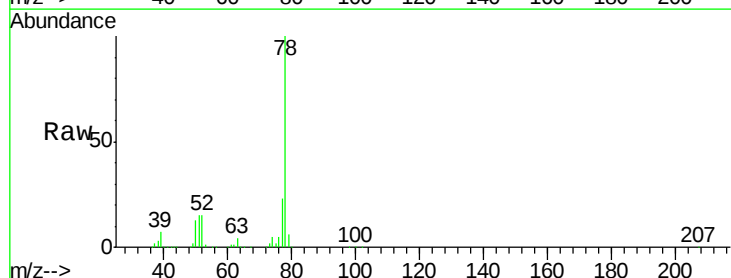
Manual Integrations
APPROVED

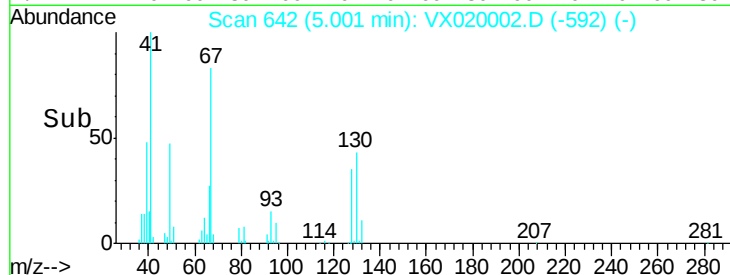
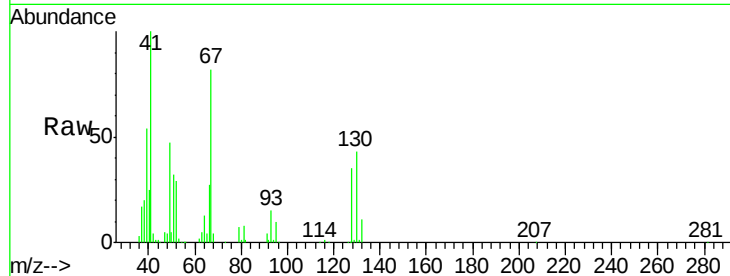
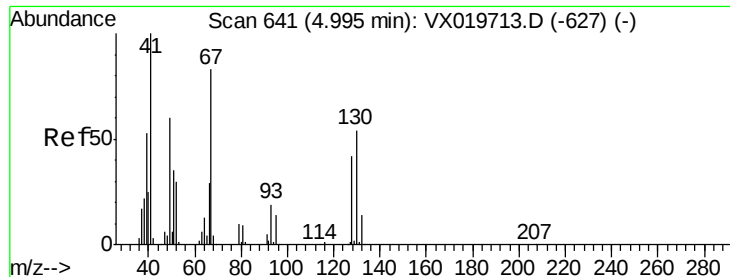
MMDadoda
12/15/2020 5:34:20 PM



#40
Benzene
Concen: 51.768 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

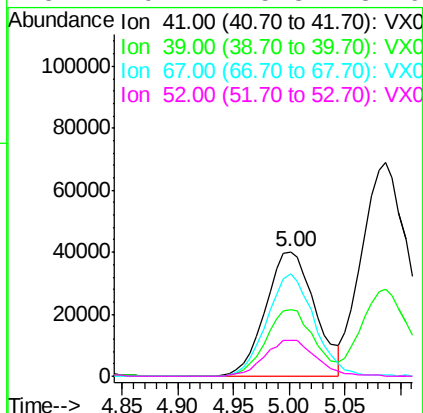
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	619791		
77	23.1		18.9	28.3





#41
Methacrylonitrile
Concen: 56.859 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

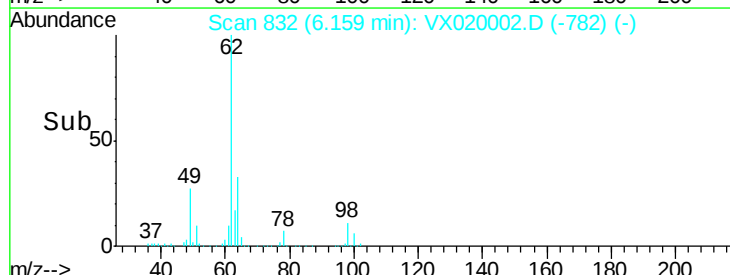
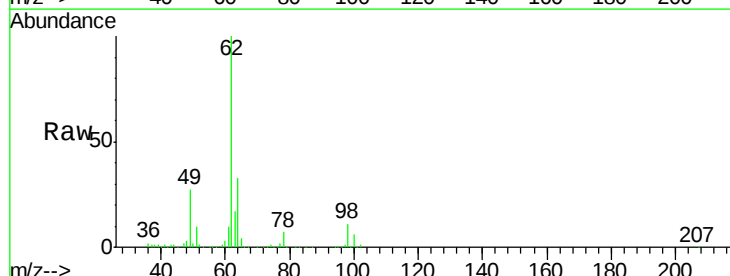
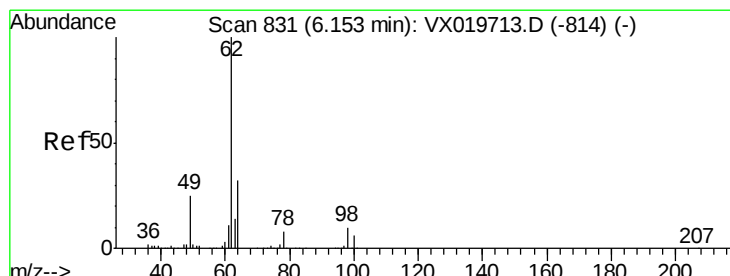
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.5	63.7	
67	79.6	65.0	97.6	
52	29.7	25.3	37.9	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

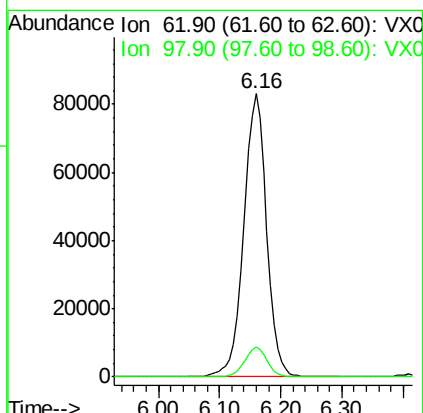
Manual Integrations
APPROVED

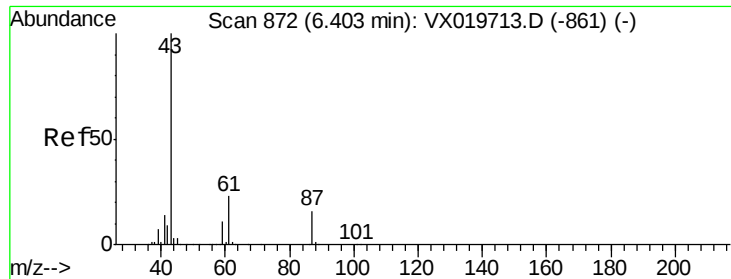
MMDadoda
12/15/2020 5:34:20 PM



#42
1,2-Dichloroethane
Concen: 52.739 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

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





#43

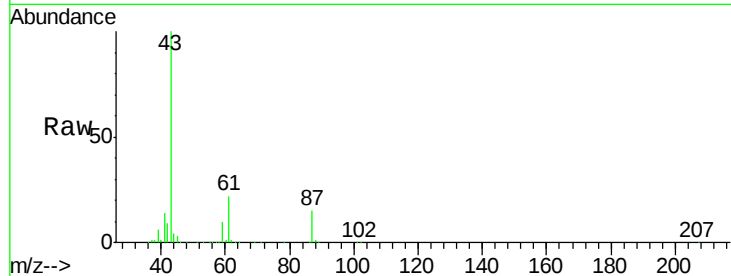
Isopropyl Acetate
 Concen: 55.092 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

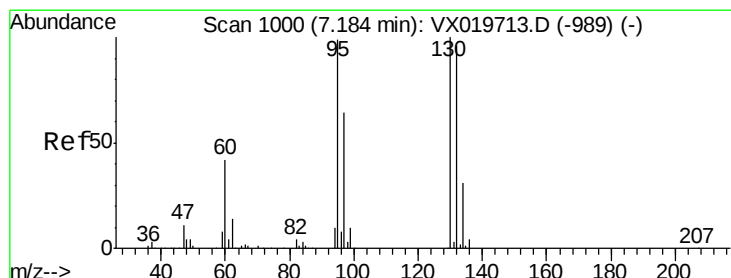
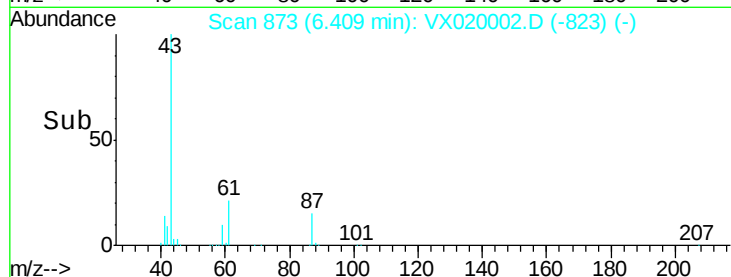
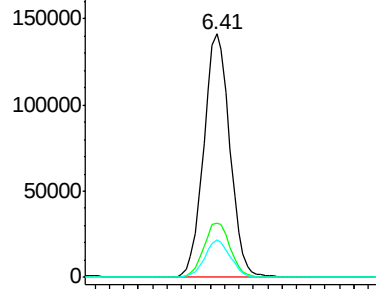
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.2	27.4
87	15.1	12.5	18.7

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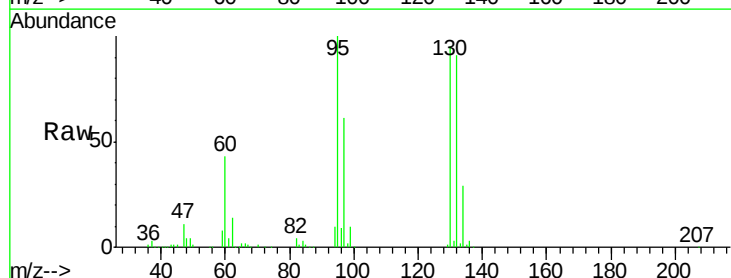
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



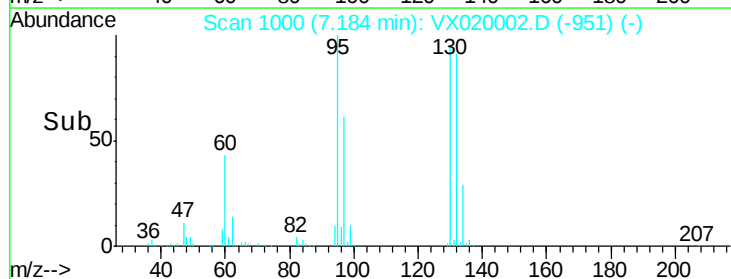
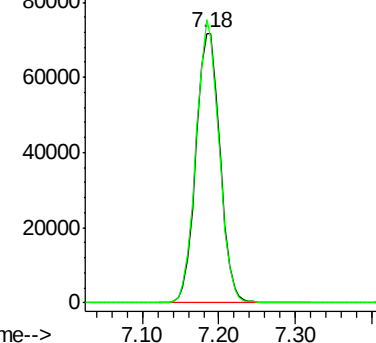
#44

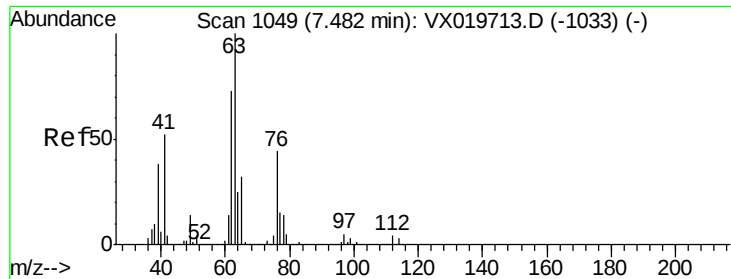
Trichloroethene
 Concen: 49.617 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	198.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 53.746 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 160821

Ion Ratio Lower Upper

63 100

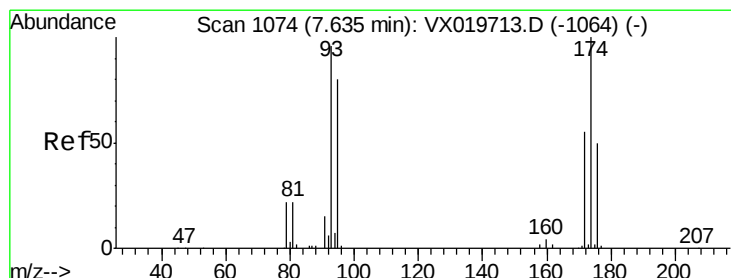
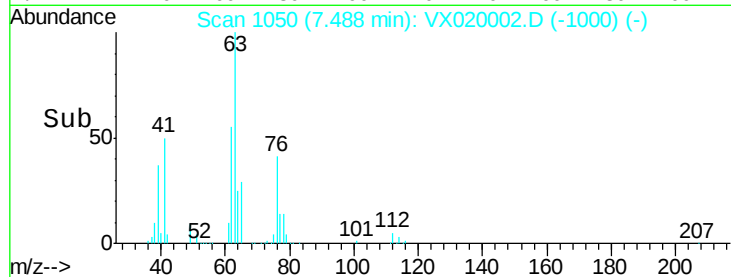
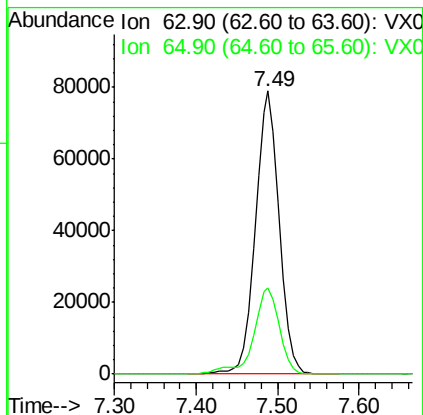
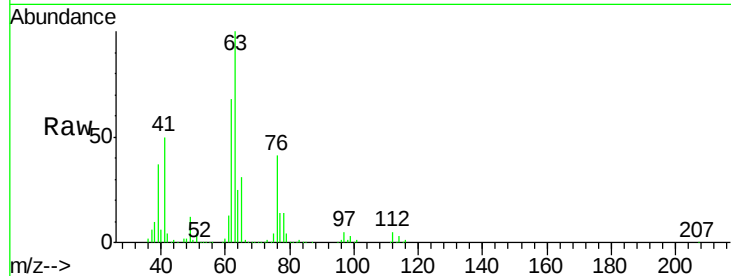
65 30.5 25.7 38.5

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#46

Dibromomethane

Concen: 52.976 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

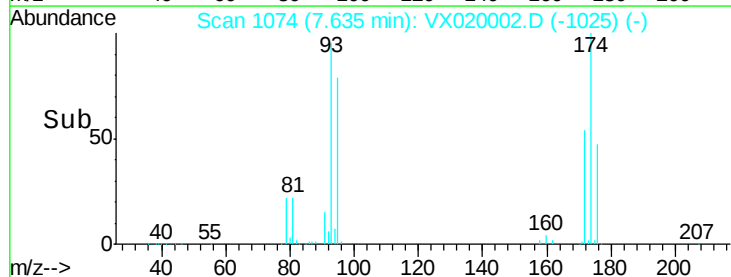
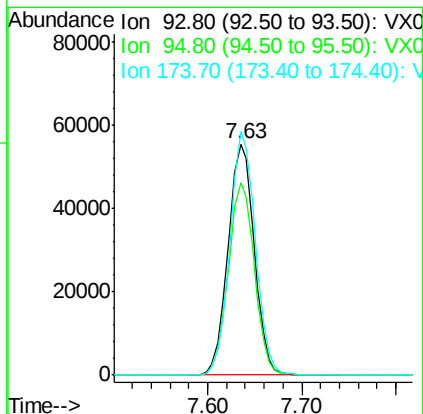
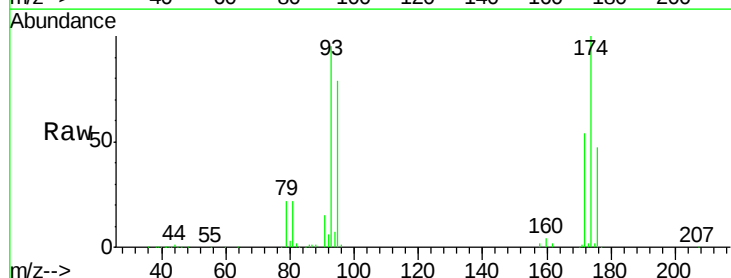
Tgt Ion: 93 Resp: 107047

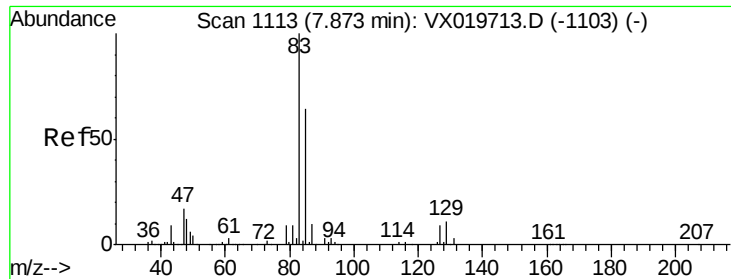
Ion Ratio Lower Upper

93 100

95 83.0 66.8 100.2

174 102.8 83.1 124.7





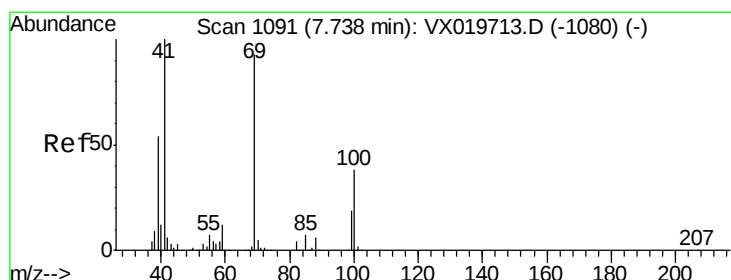
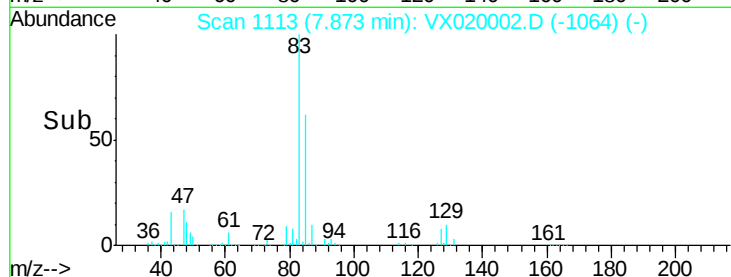
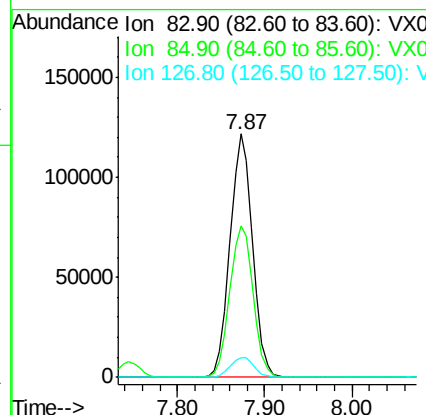
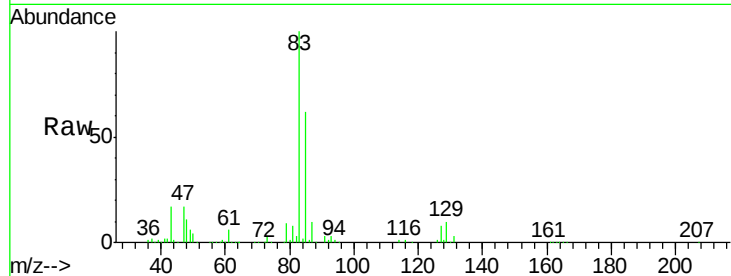
#47
Bromodichloromethane
Concen: 54.243 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	217499		
85	62.2		51.4	77.0
127	8.2		6.8	10.2

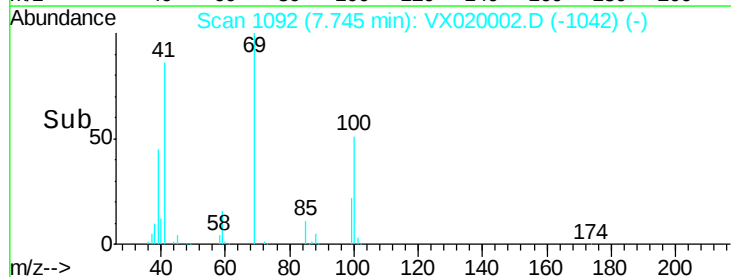
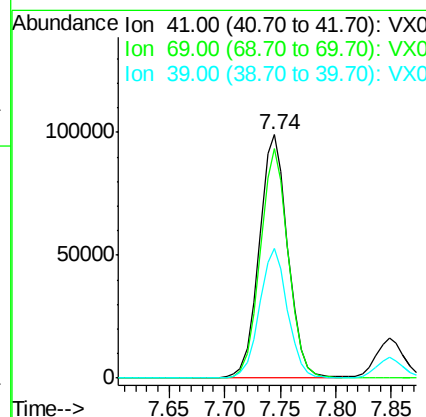
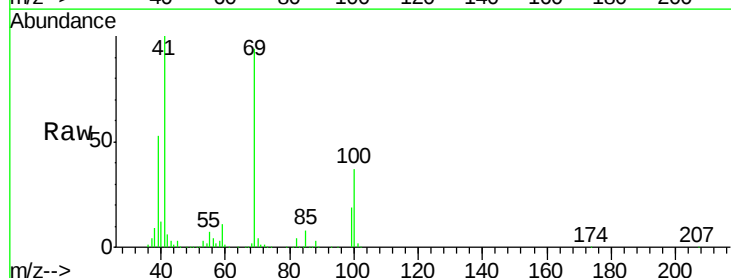
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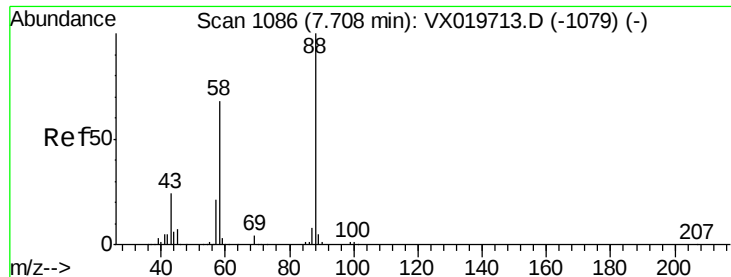
MMDadoda
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#48
Methyl methacrylate
Concen: 55.869 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	176778		
69	92.8		76.0	114.0
39	52.2		44.6	67.0





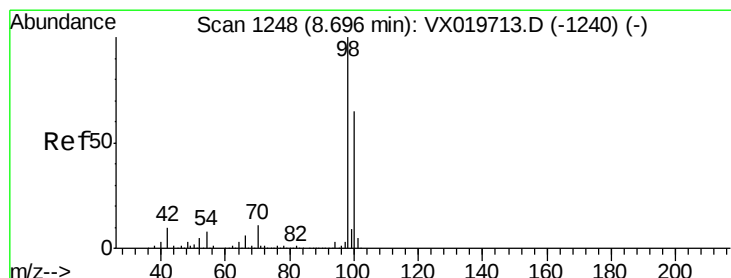
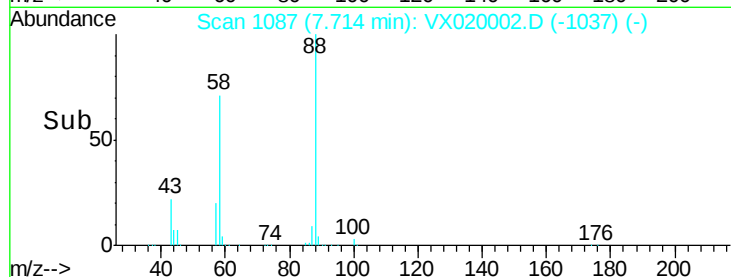
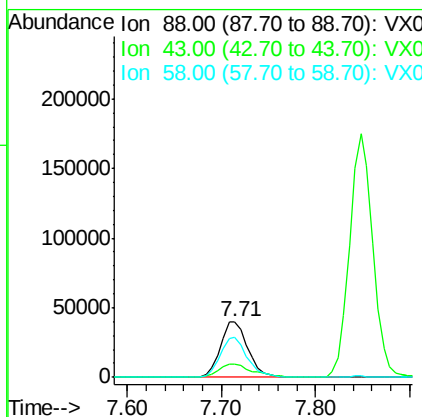
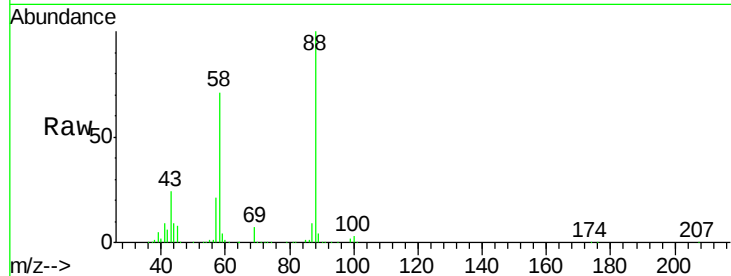
#49
1,4-Dioxane
Concen: 1037.430 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.2	34.8
58	71.6	55.0	82.4

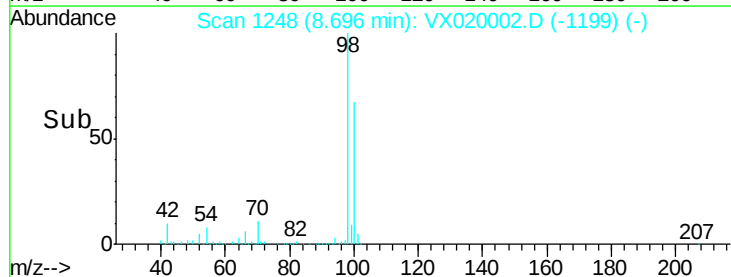
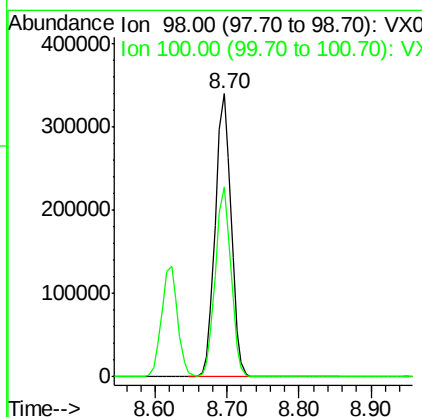
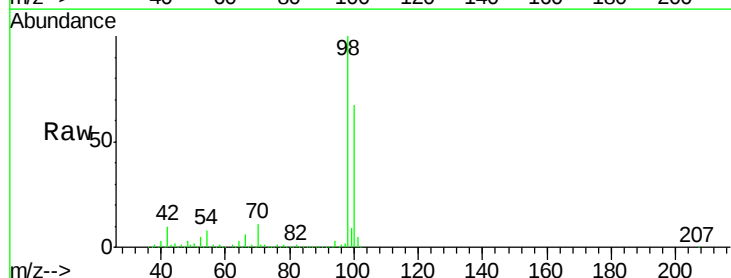
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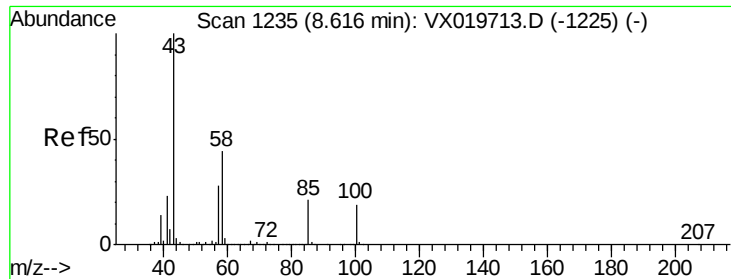
MMDadoda
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#50
Toluene-d8
Concen: 48.357 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.9	77.9





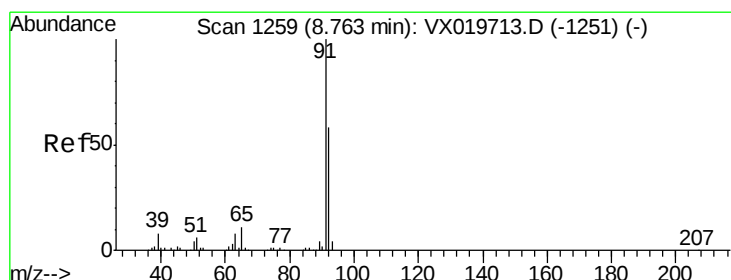
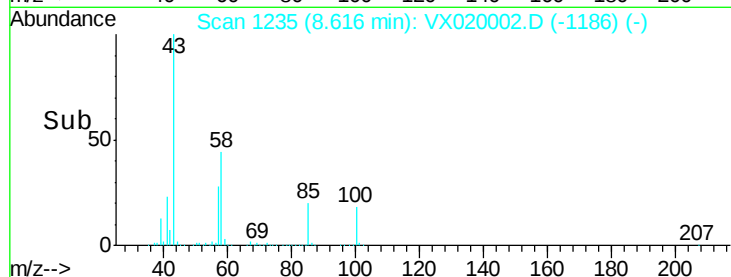
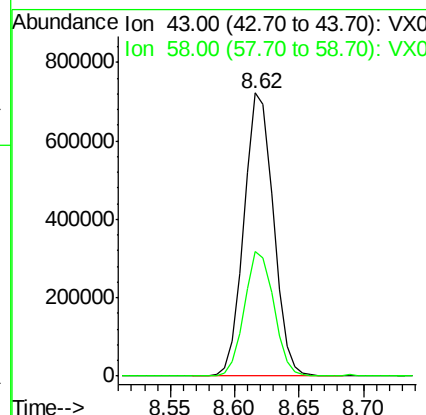
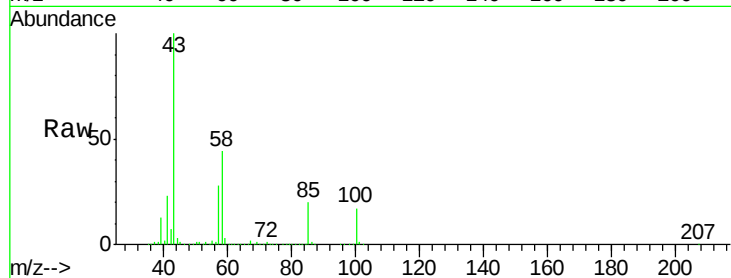
#51
4-Methyl-2-Pentanone
Concen: 289.700 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1137924
Ion Ratio Lower Upper
43 100
58 43.9 35.4 53.0

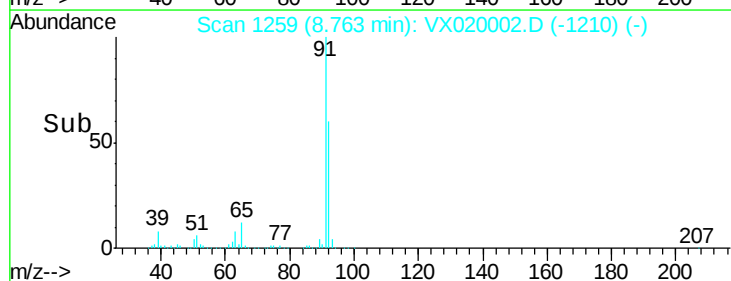
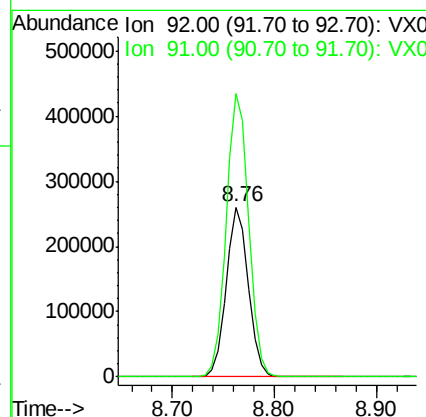
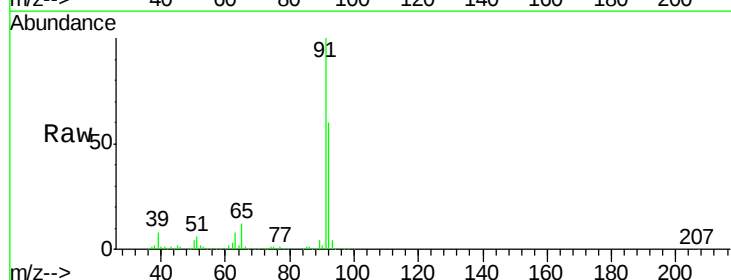
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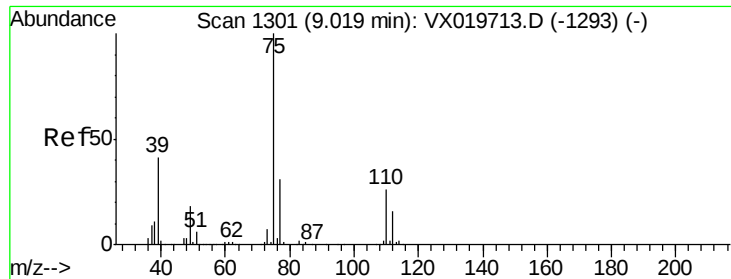
MMDadoda
12/15/2020 5:34:20 PM



#52
Toluene
Concen: 52.031 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion: 92 Resp: 389612
Ion Ratio Lower Upper
92 100
91 170.0 137.1 205.7





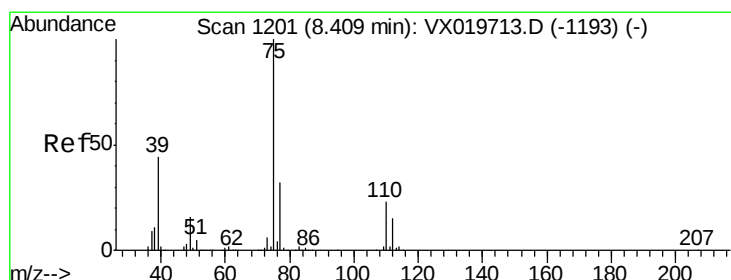
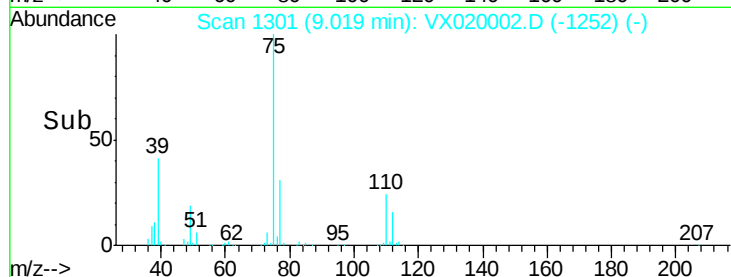
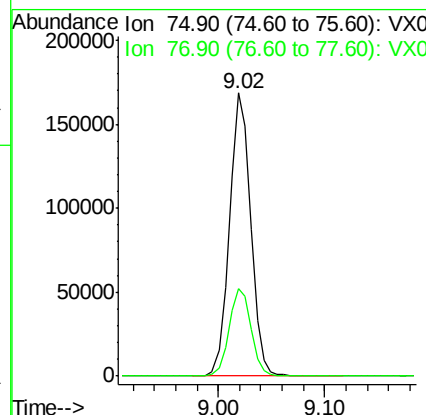
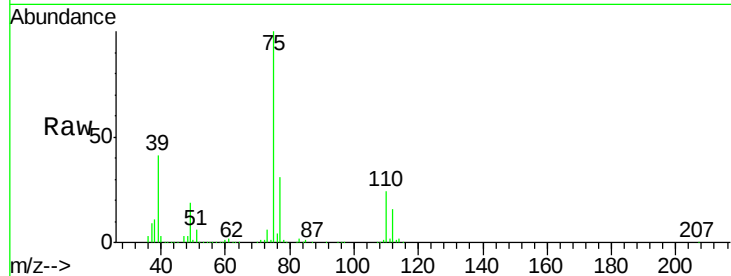
#53
 t-1,3-Dichloropropene
 Concen: 53.150 ug/l
 RT: 9.02 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 236492
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3

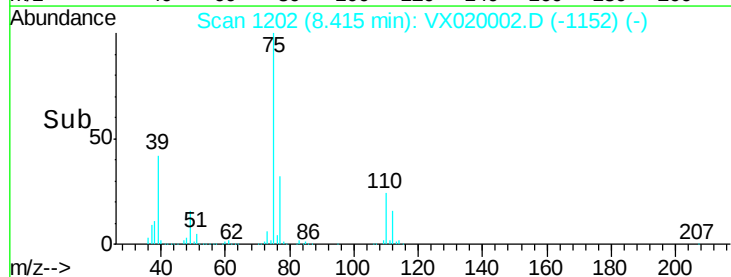
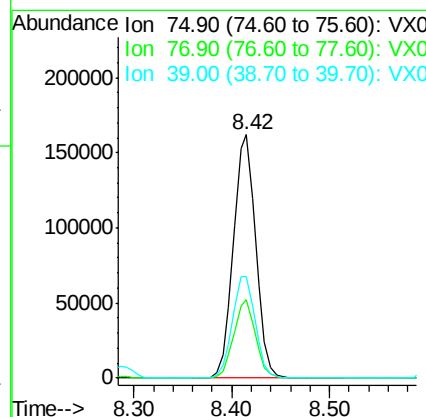
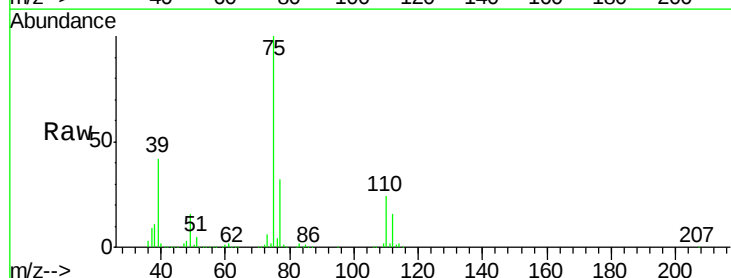
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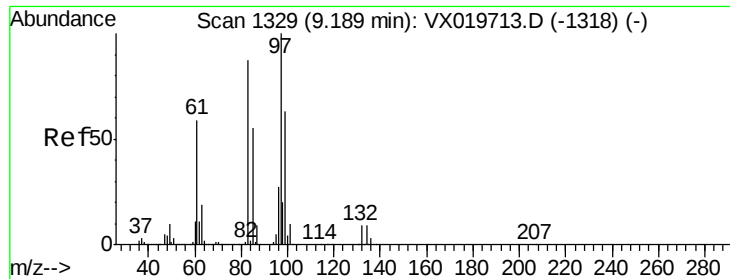
MMDadoda
 12/15/2020 5:34:20 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.134 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Tgt Ion: 75 Resp: 256849
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5
 39 41.6 35.1 52.7





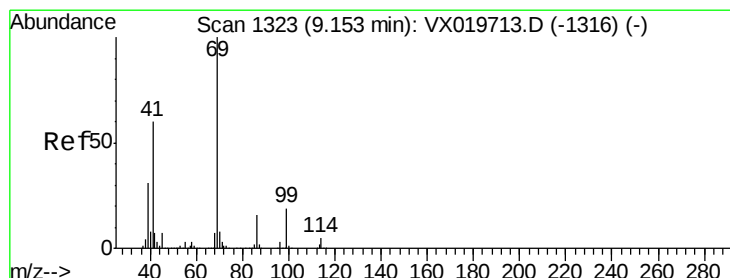
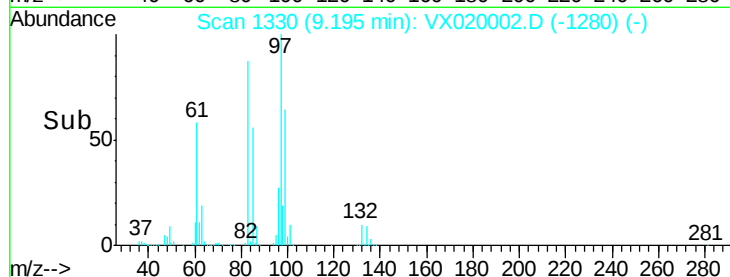
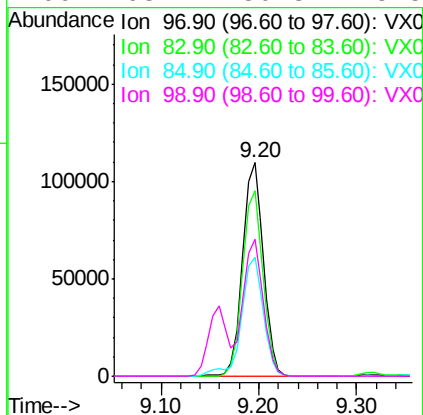
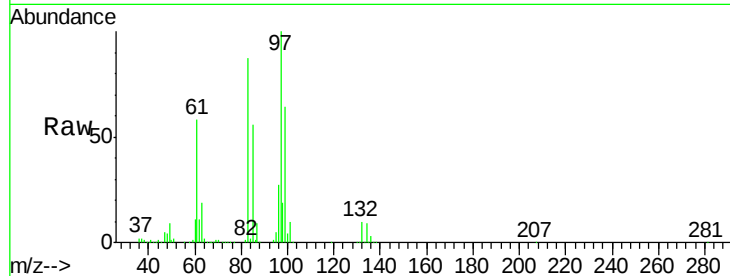
#55
 1,1,2-Trichloroethane
 Concen: 53.830 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	162435
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.3	103.9
85	55.7	44.3	66.5
99	63.7	50.3	75.5

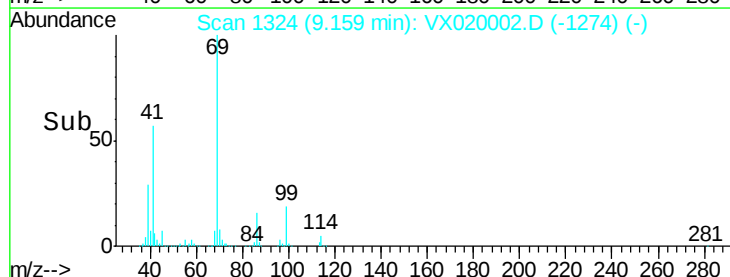
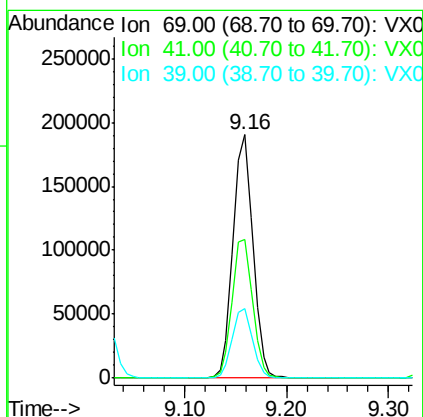
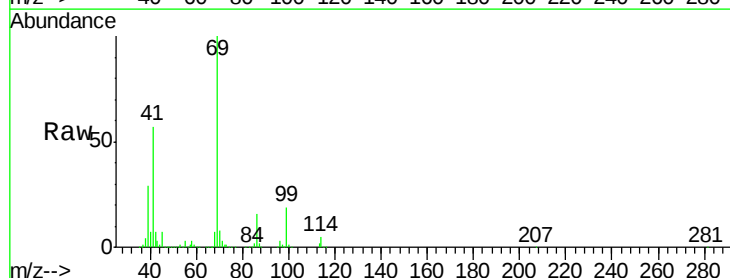
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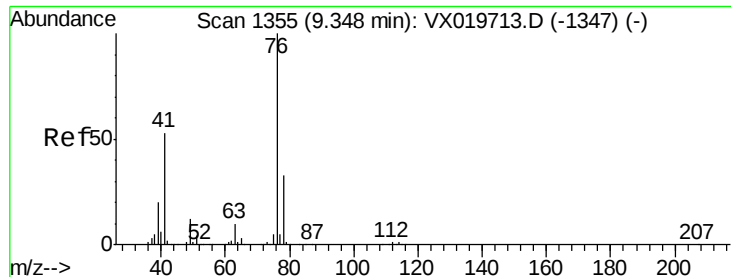
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 12/15/2020 5:34:20 PM



#56
 Ethyl methacrylate
 Concen: 56.069 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Tgt Ion:	69	Resp:	255980
Ion	Ratio	Lower	Upper
69	100		
41	58.8	46.8	70.2
39	29.3	24.7	37.1





#57

1,3-Dichloropropane

Concen: 53.357 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 274924

Ion Ratio Lower Upper

76 100

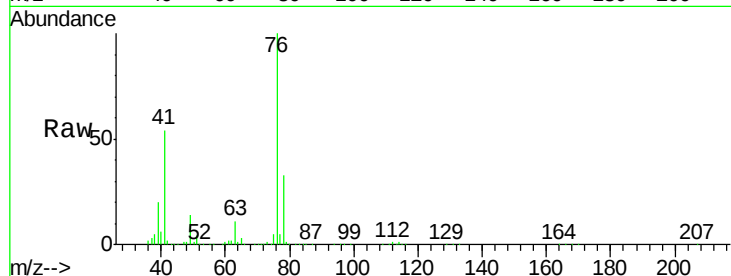
78 32.6 26.2 39.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

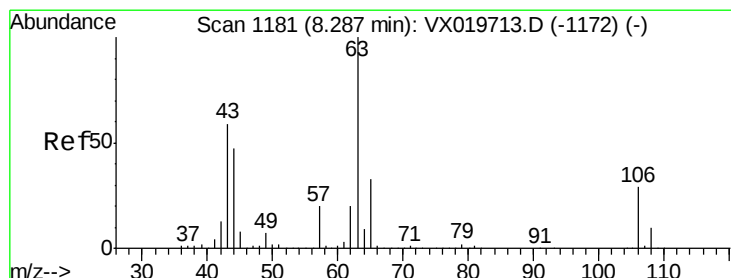
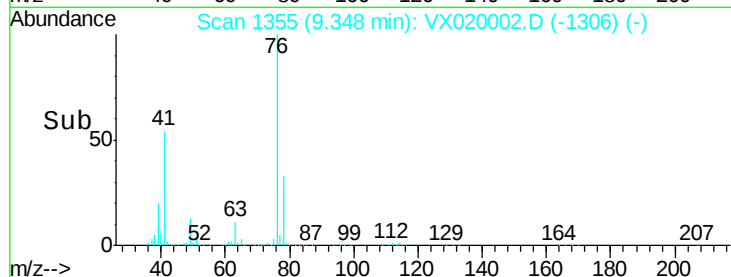
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 281.475 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX020002.D

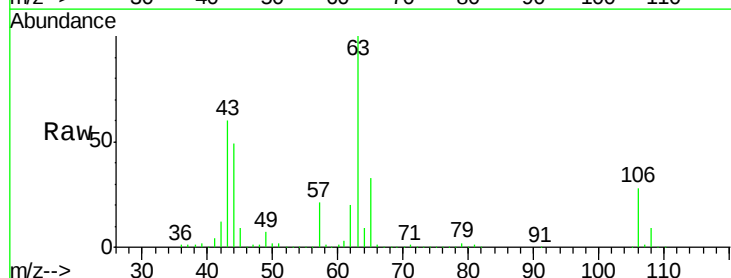
Acq: 14 Dec 2020 21:17

Tgt Ion: 63 Resp: 680777

Ion Ratio Lower Upper

63 100

106 28.9 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

500000

400000

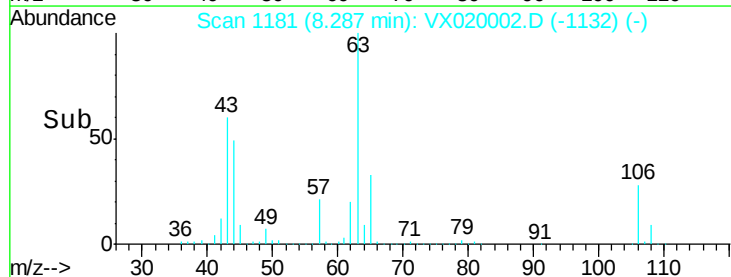
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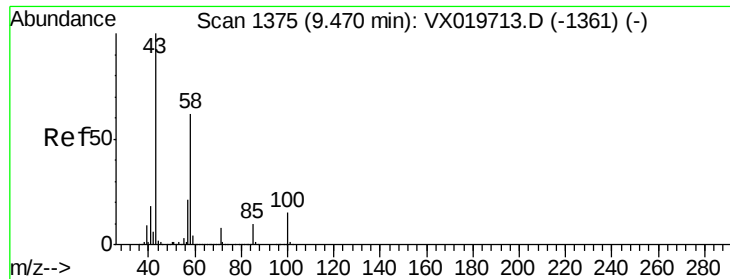
200000

100000

0

Time-->





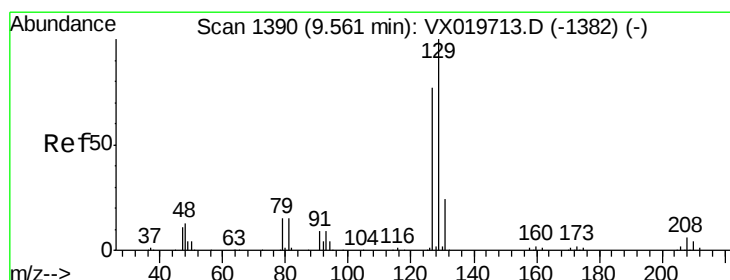
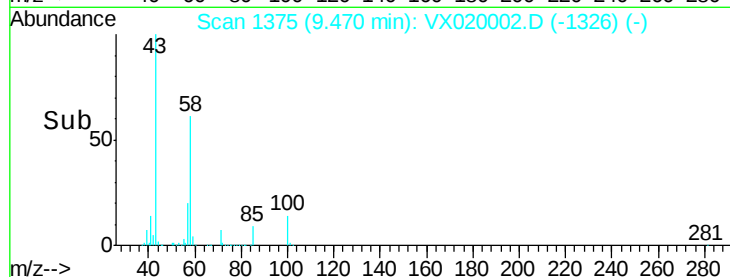
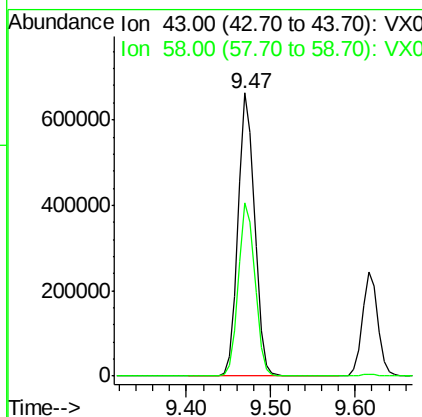
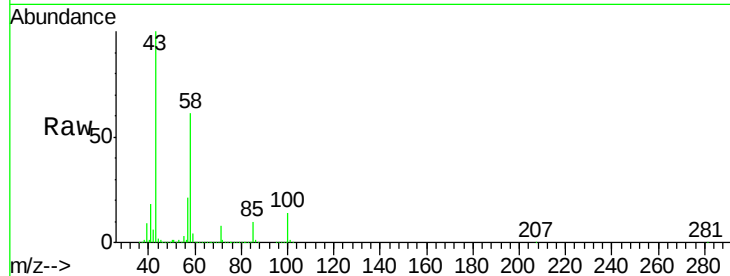
#59
2-Hexanone
Concen: 286.704 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.3	30.9	92.8

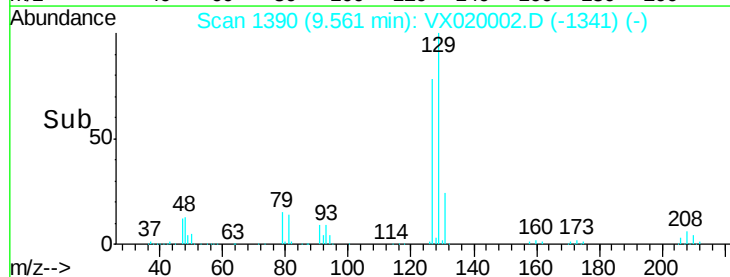
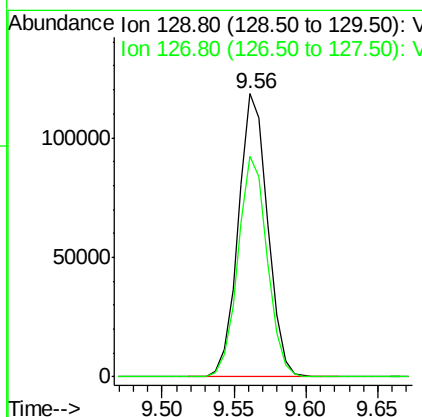
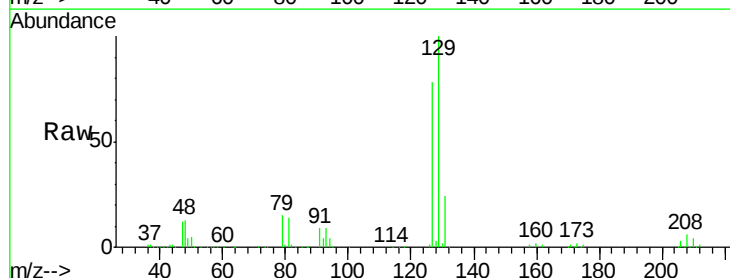
Manual Integrations
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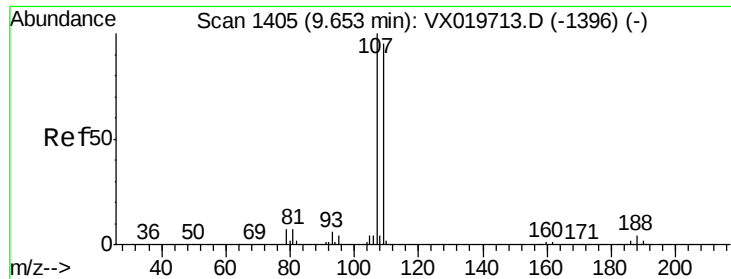
MMDadoda
12/15/2020 5:34:20 PM



#60
Dibromochloromethane
Concen: 54.592 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2





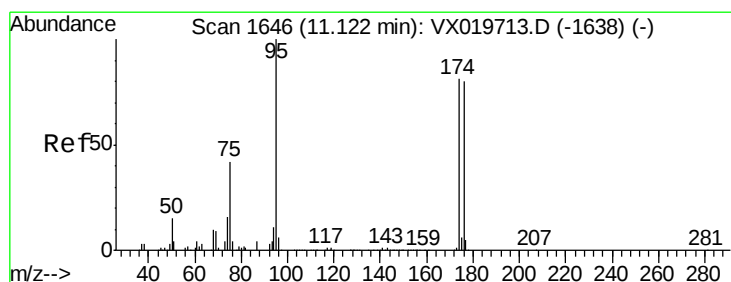
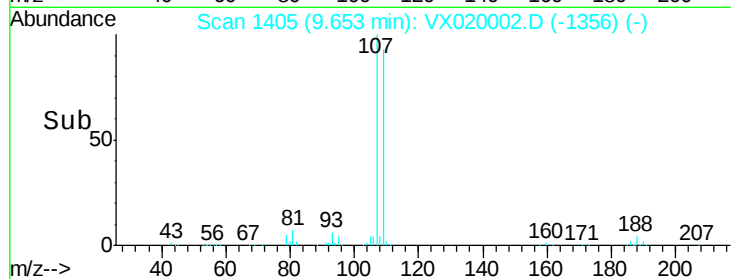
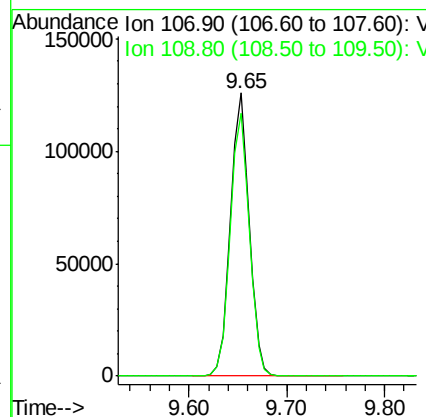
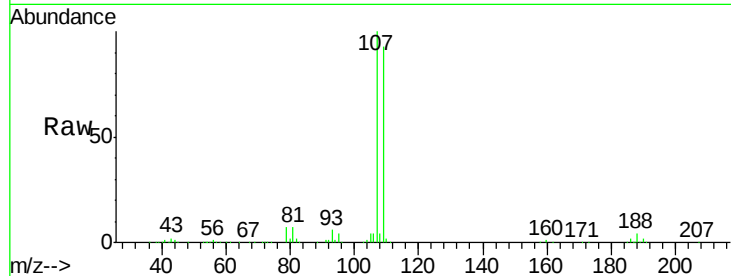
#61
 1,2-Dibromoethane
 Concen: 52.506 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.6

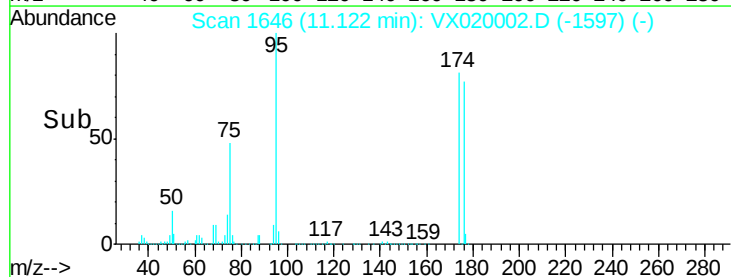
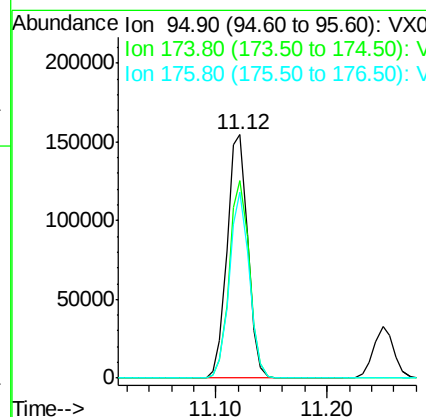
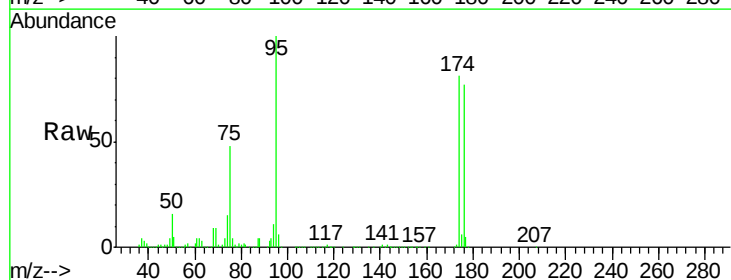
Manual Integrations
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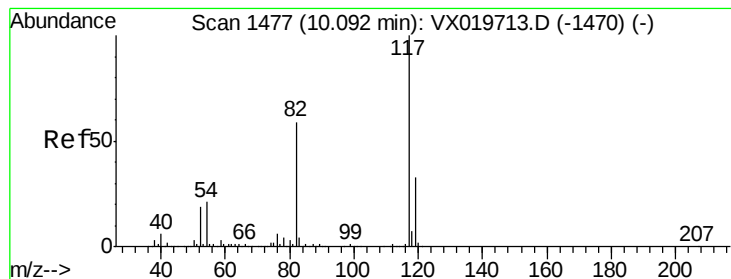
MMDadoda
 12/15/2020 5:34:20 PM



#62
 4-Bromofluorobenzene
 Concen: 48.851 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	154.6
176	73.6	0.0	155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

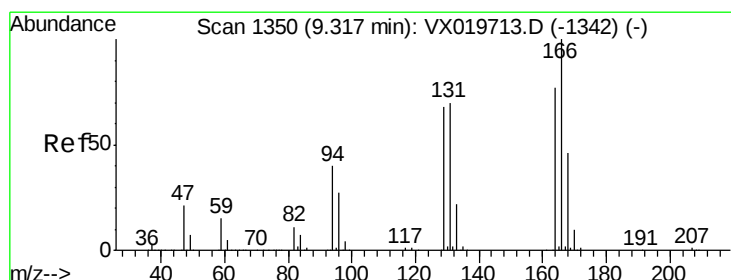
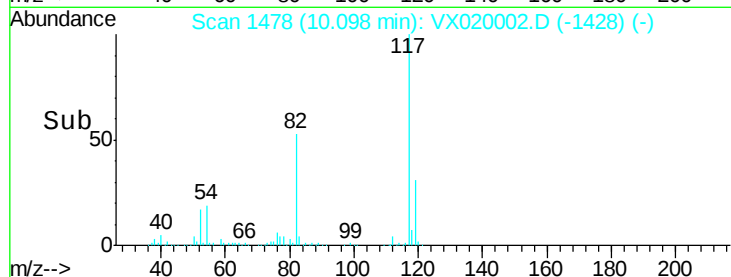
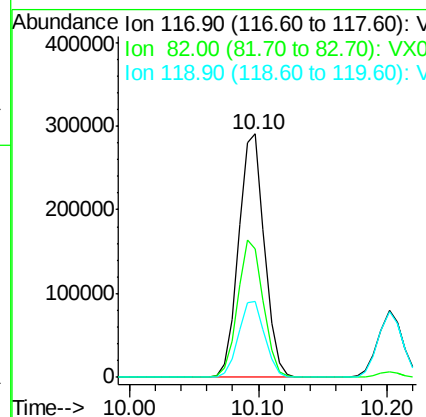
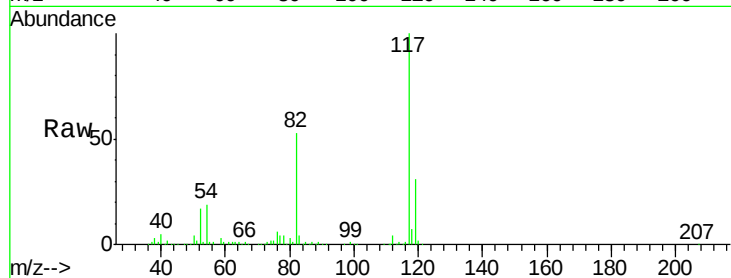
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	404061
Ion Ratio	Lower	Upper	
117	100		
82	52.9	47.4	71.2
119	31.4	26.6	39.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 46.851 ug/l

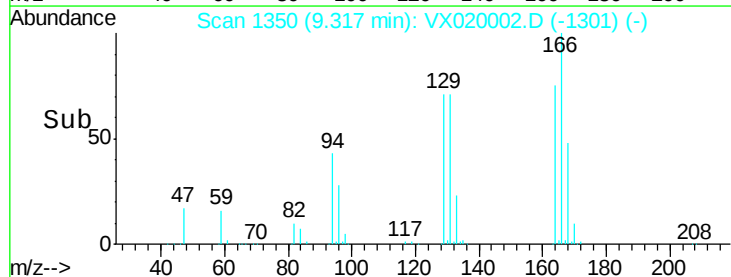
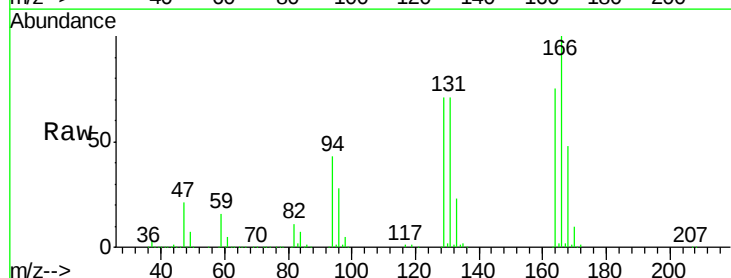
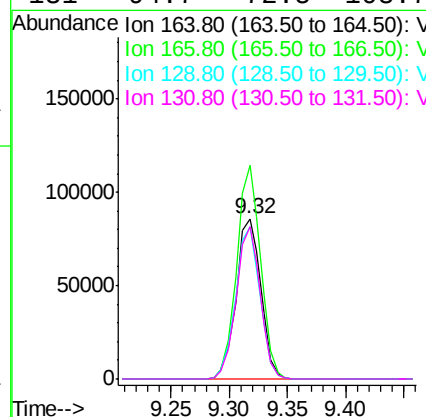
RT: 9.32 min Scan# 1350

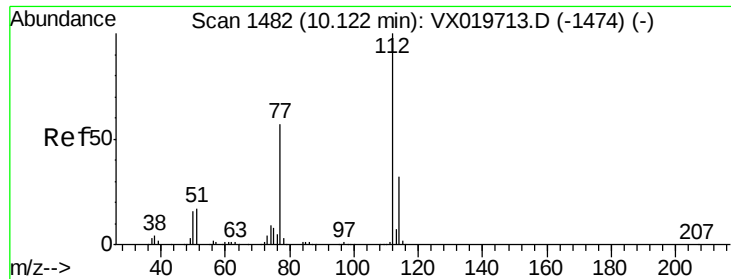
Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Tgt Ion:	164	Resp:	126952
Ion Ratio	Lower	Upper	
164	100		
166	133.1	103.4	155.2
129	94.7	70.8	106.2
131	94.7	72.5	108.7





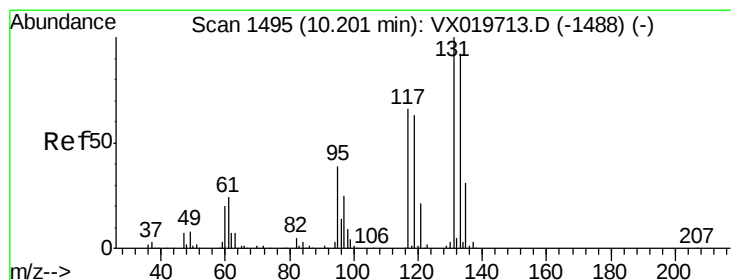
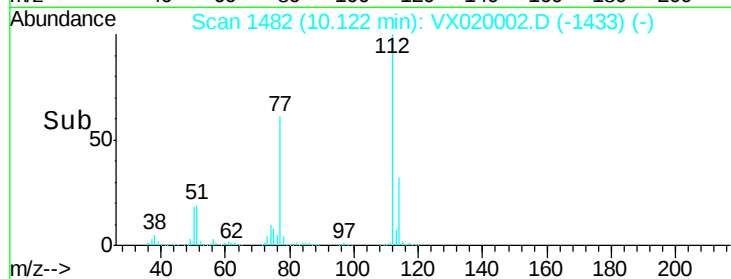
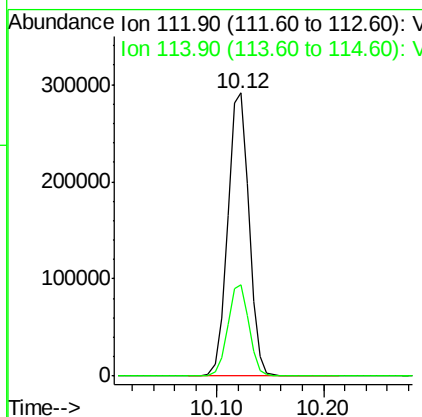
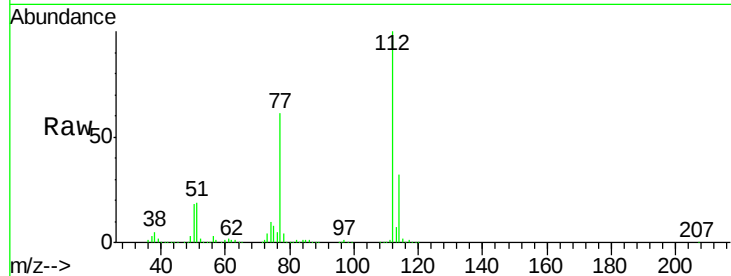
#65
Chlorobenzene
Concen: 50.559 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

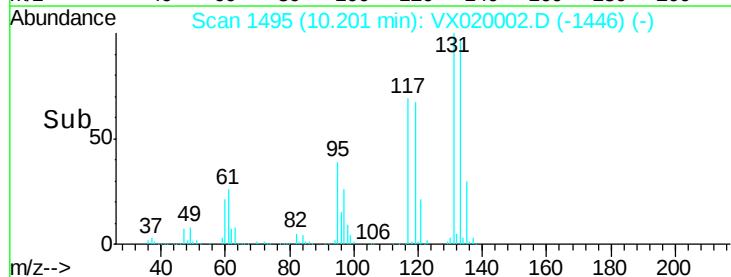
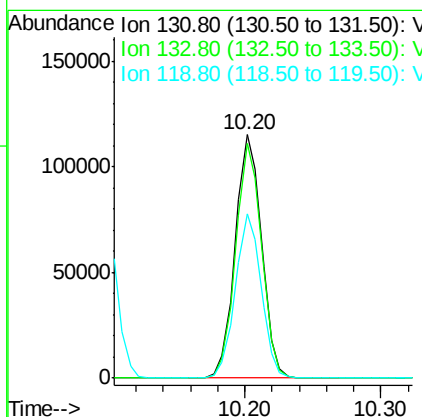
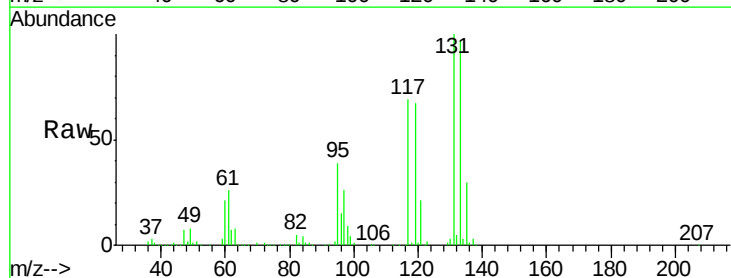
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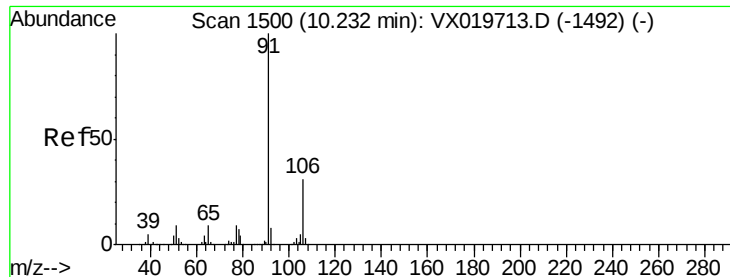
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.450 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.7	143.1
119	66.3	32.1	96.5





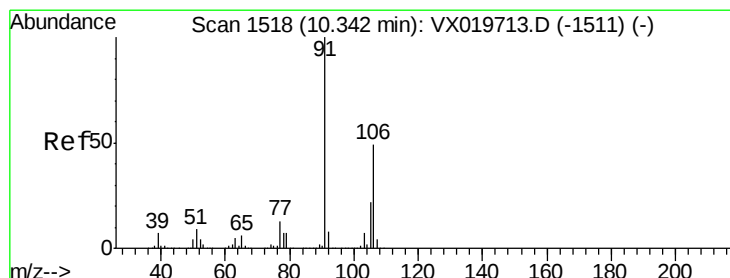
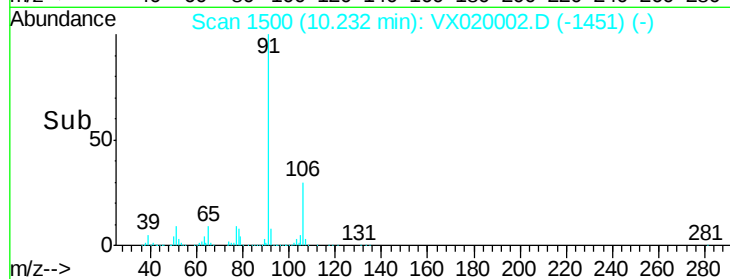
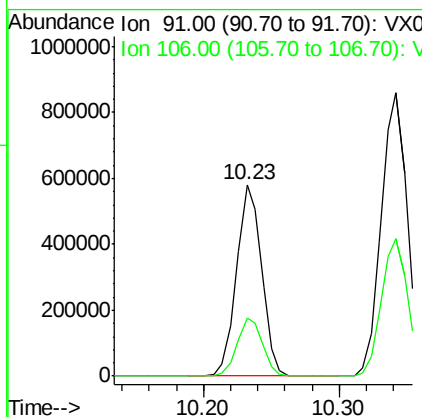
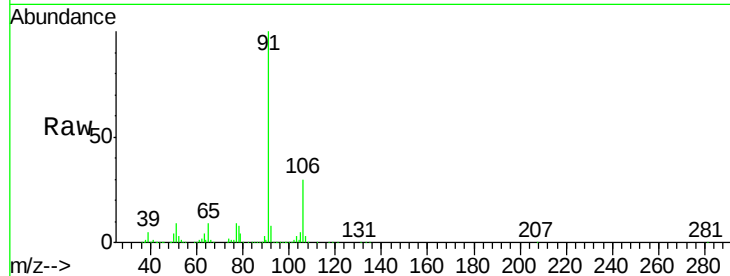
#67
Ethyl Benzene
Concen: 52.082 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 744209
Ion Ratio Lower Upper
91 100
106 30.3 24.6 37.0

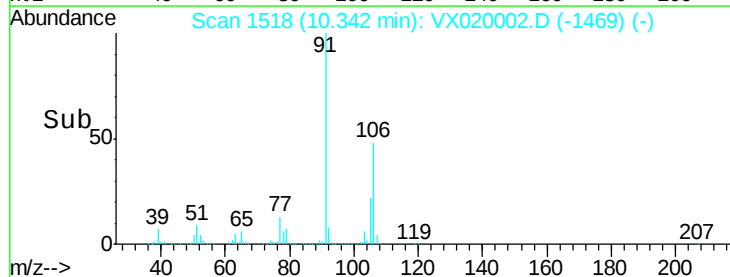
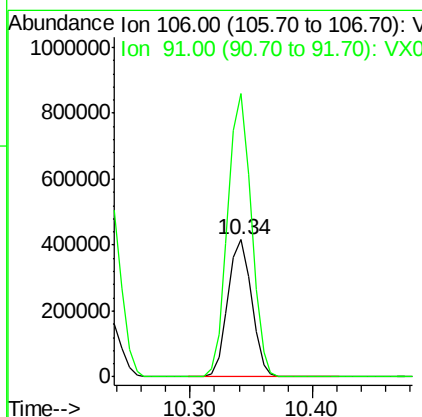
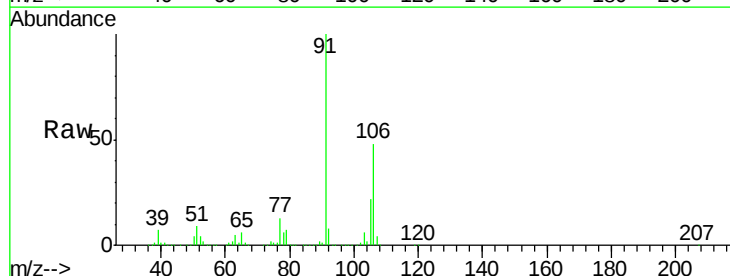
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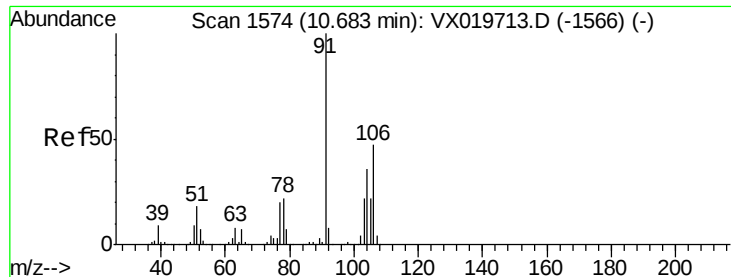
MMDadoda
12/15/2020 5:34:20 PM



#68
m/p-Xylenes
Concen: 103.943 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion: 106 Resp: 559668
Ion Ratio Lower Upper
106 100
91 205.1 162.8 244.2





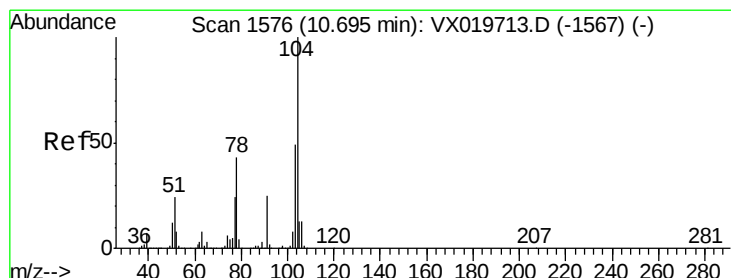
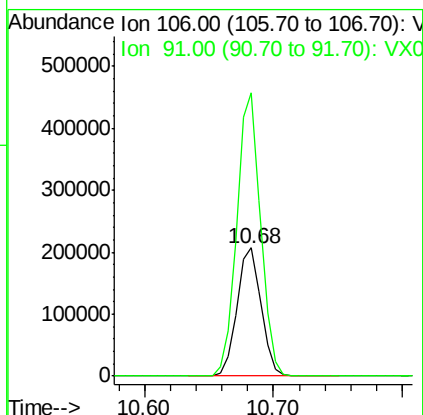
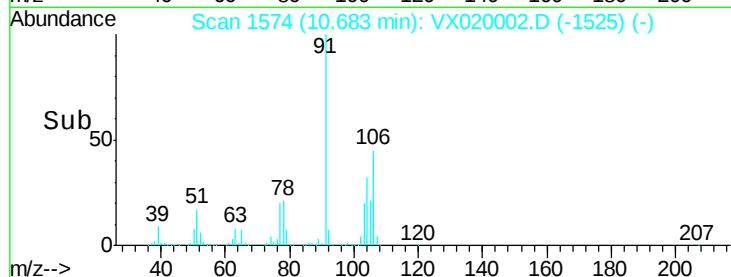
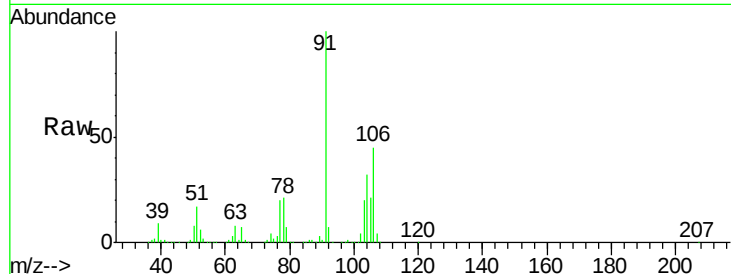
#69
o-Xylene
Concen: 51.878 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 268701
Ion Ratio Lower Upper
106 100
91 217.8 108.1 324.2

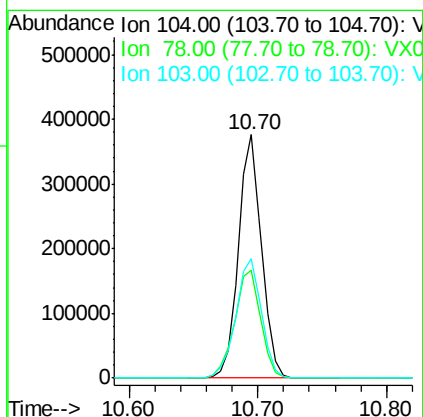
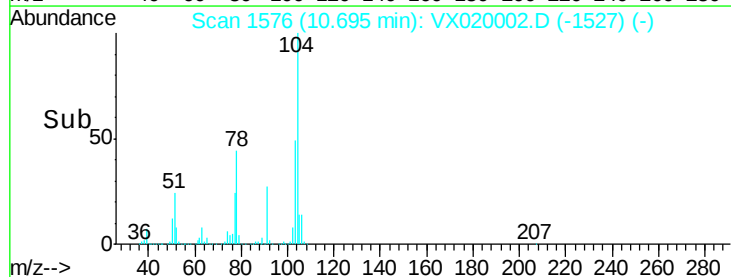
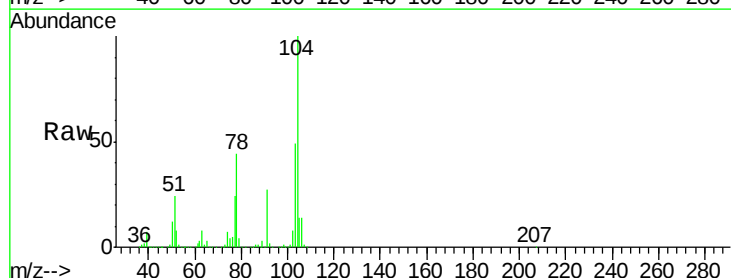
Manual Integrations
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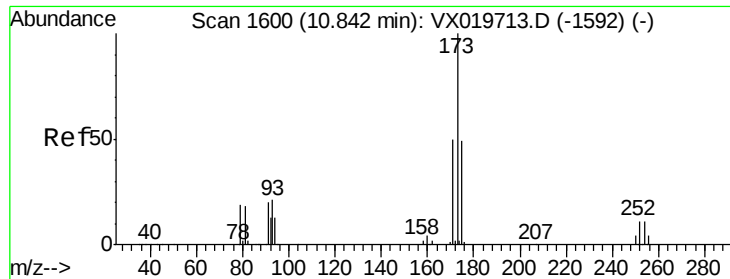
MMDadoda
12/15/2020 5:34:20 PM



#70
Styrene
Concen: 53.232 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion:104 Resp: 465376
Ion Ratio Lower Upper
104 100
78 50.8 40.0 60.0
103 54.9 43.4 65.0





#71

Bromoform

Concen: 56.445 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 128658

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.8

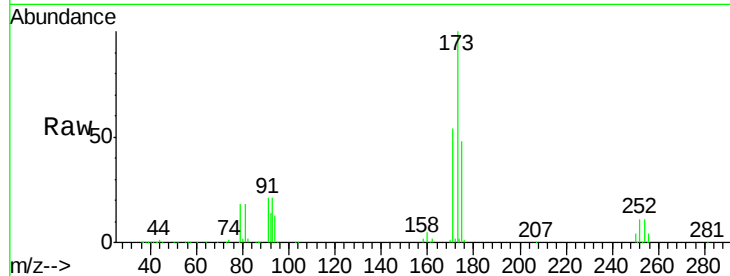
254 0.1 0.1 0.1#

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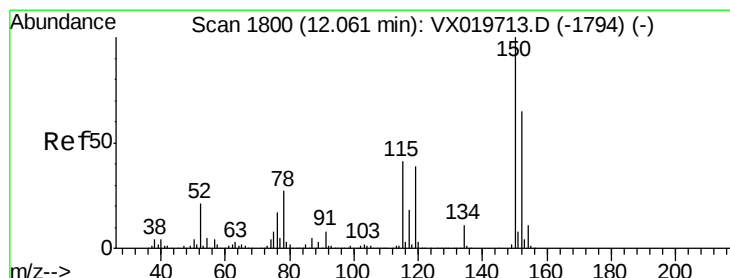
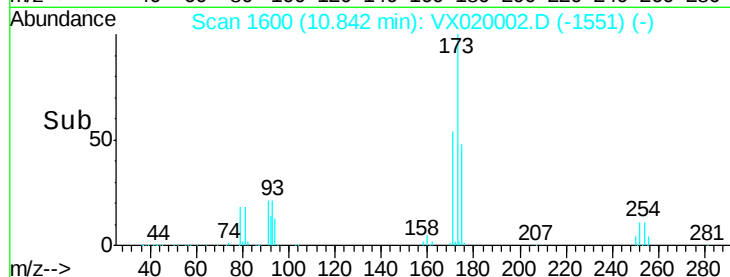
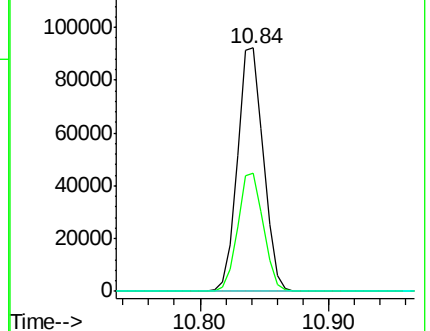
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX020002.D

Acq: 14 Dec 2020 21:17

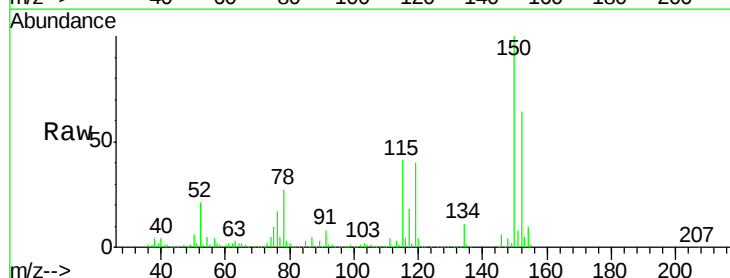
Tgt Ion:152 Resp: 202081

Ion Ratio Lower Upper

152 100

115 82.9 41.1 123.3

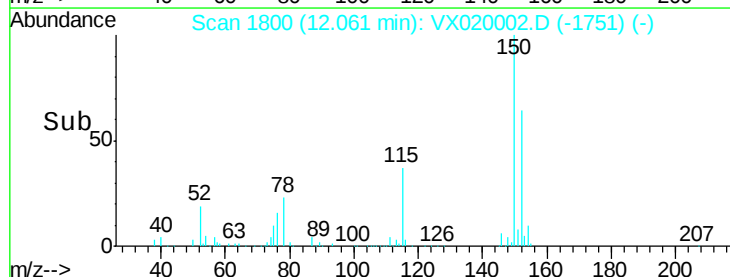
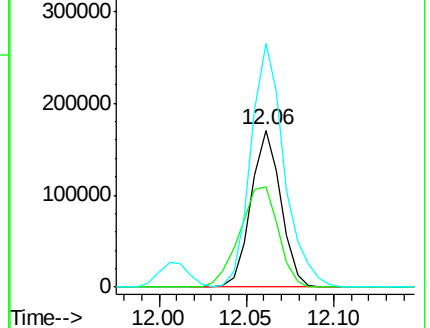
150 174.5 0.0 349.0

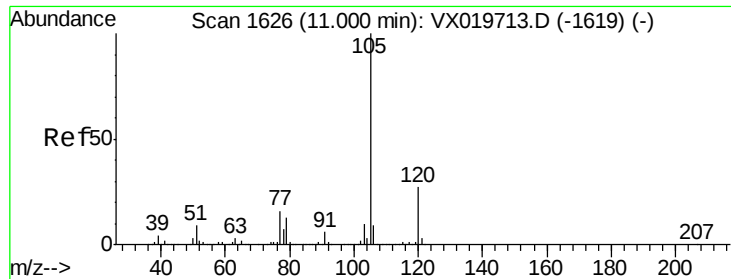


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.747 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 728235

Ion Ratio Lower Upper

105 100

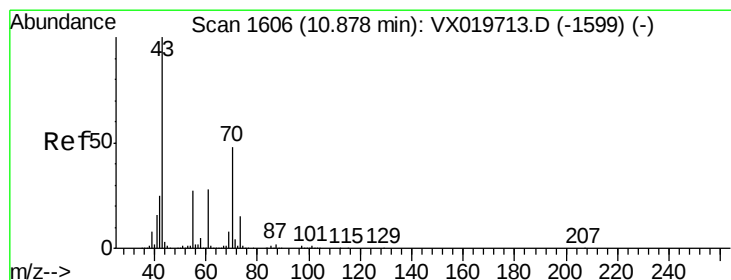
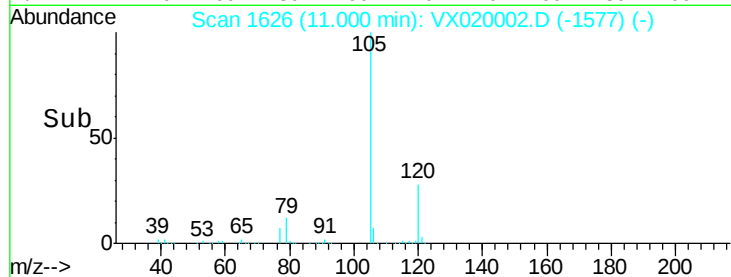
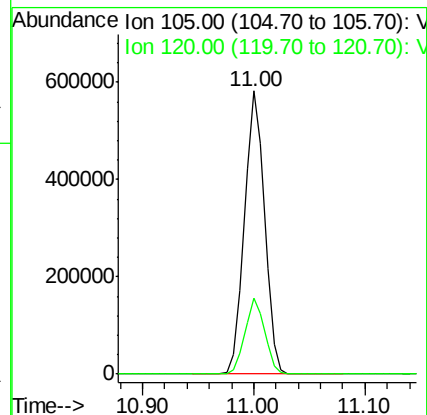
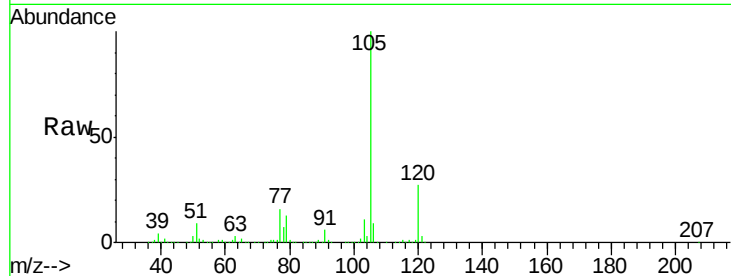
120 26.4 13.2 39.6

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#74

N-ethyl acetate

Concen: 57.157 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Tgt Ion: 43 Resp: 316232

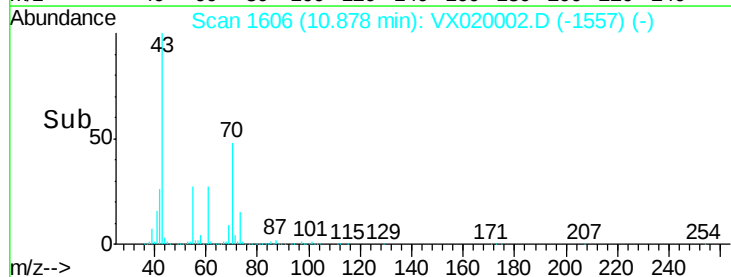
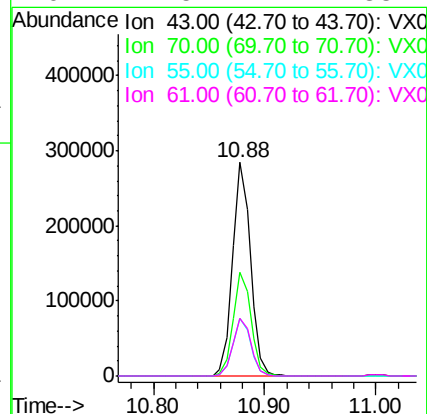
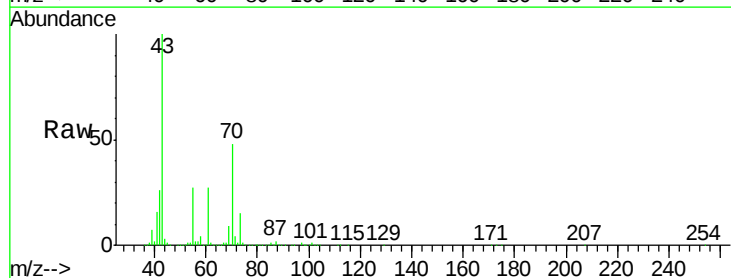
Ion Ratio Lower Upper

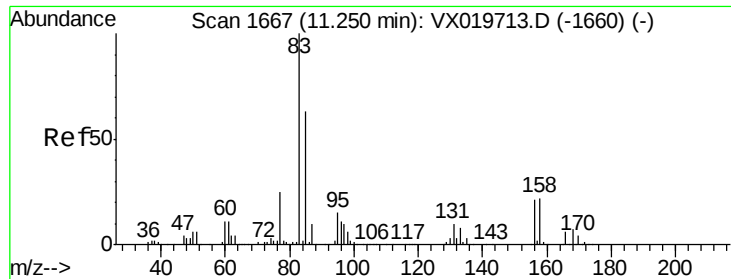
43 100

70 48.7 39.0 58.6

55 27.1 21.5 32.3

61 27.5 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.165 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

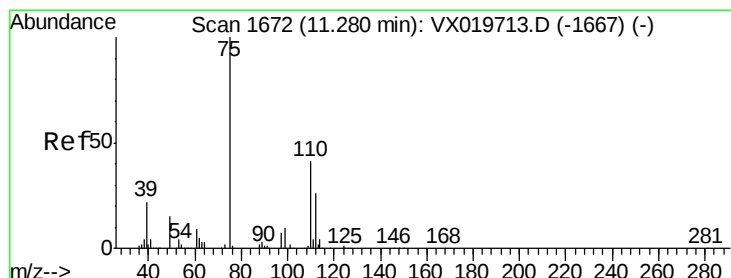
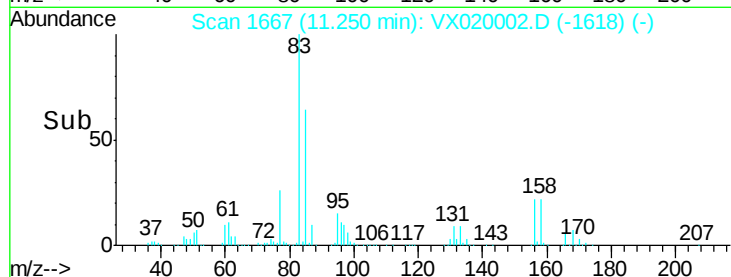
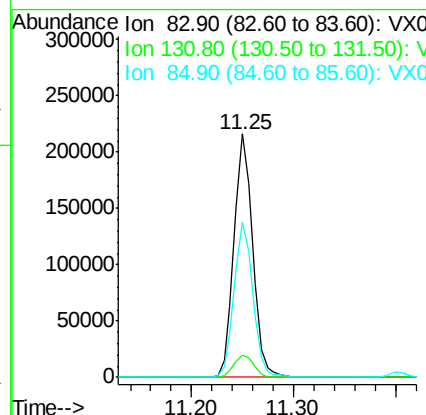
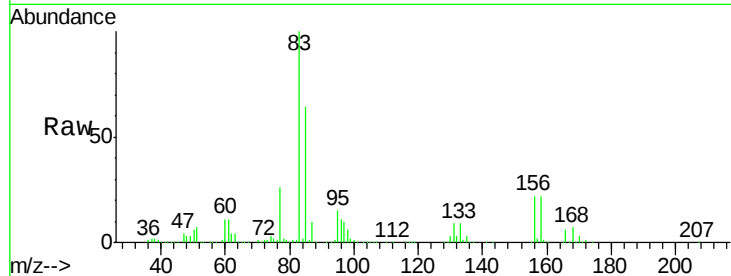
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	273382
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.2
85	64.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.965 ug/l m

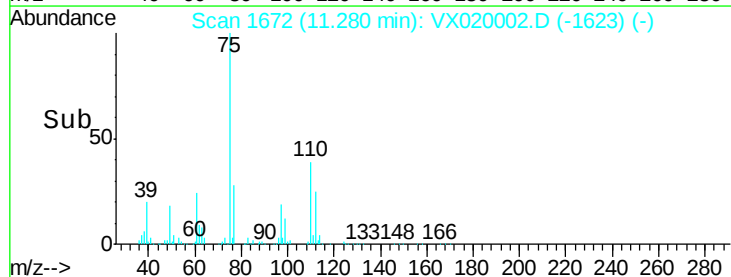
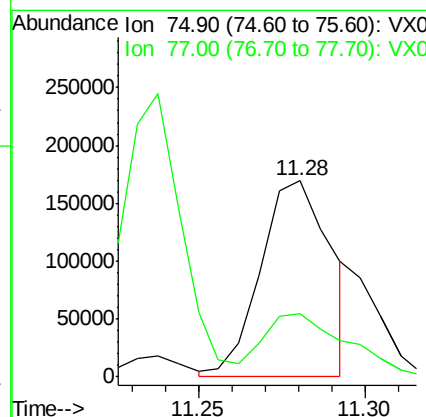
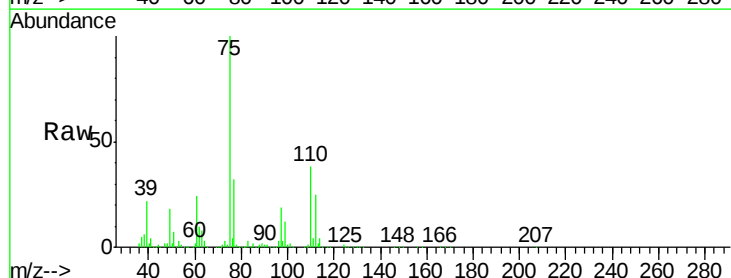
RT: 11.28 min Scan# 1672

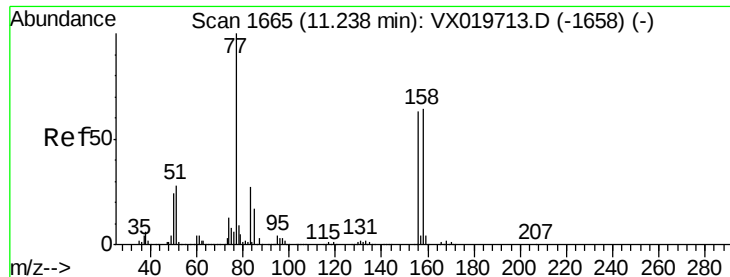
Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Tgt Ion:	75	Resp:	249118
Ion Ratio	Lower	Upper	
75	100		
77	38.2	19.1	57.5





#77

Bromobenzene

Concen: 50.997 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX020002.D

Acq: 14 Dec 2020 21:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 180178

Ion Ratio Lower Upper

156 100

77 171.1 82.8 248.6

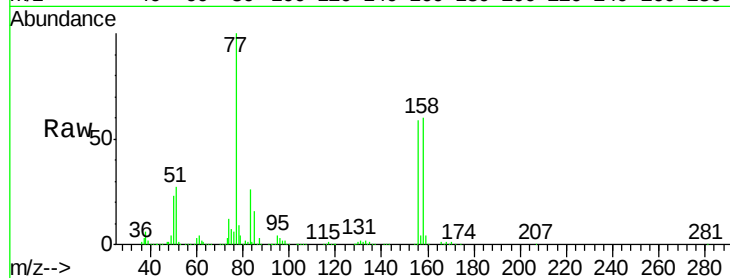
158 96.8 49.1 147.4

Manual Integrations

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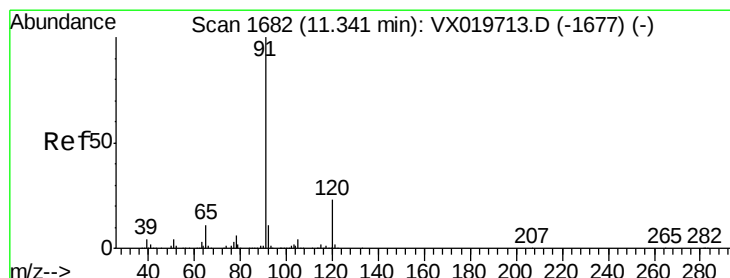
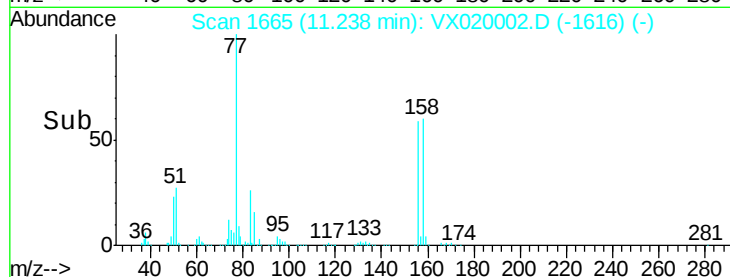
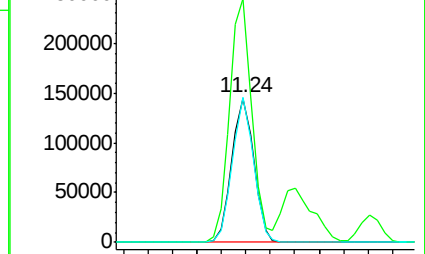
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.086 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX020002.D

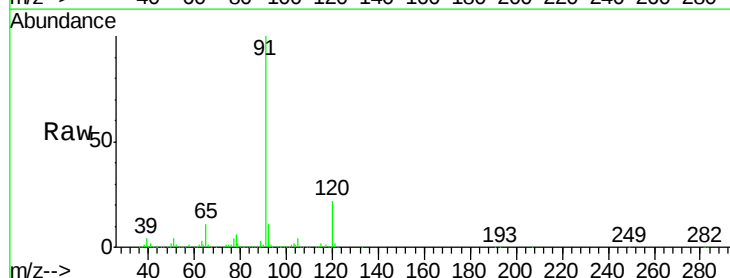
Acq: 14 Dec 2020 21:17

Tgt Ion: 91 Resp: 837097

Ion Ratio Lower Upper

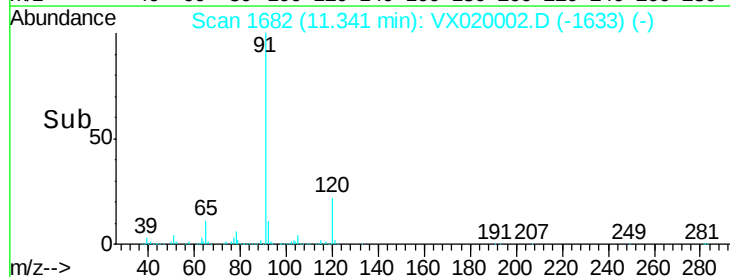
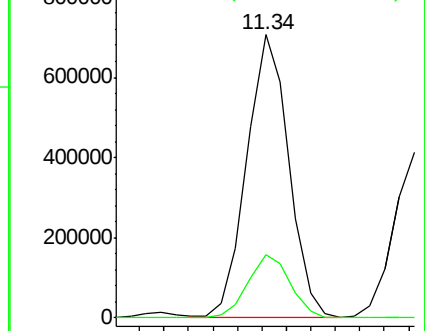
91 100

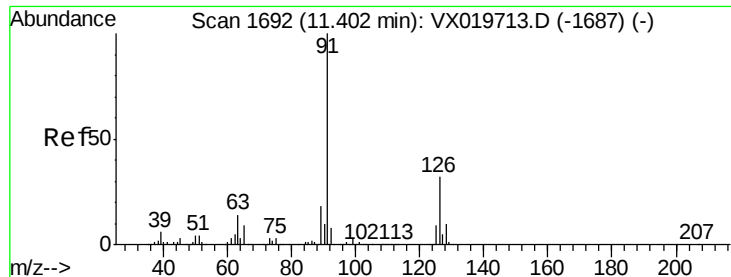
120 22.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





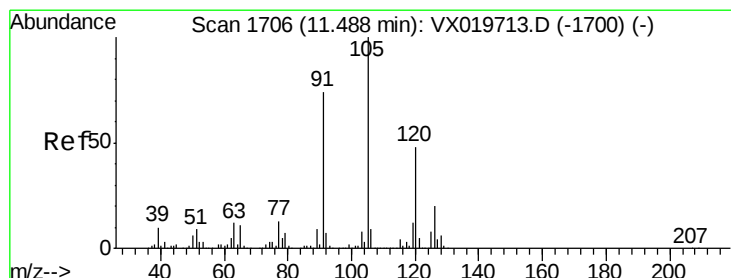
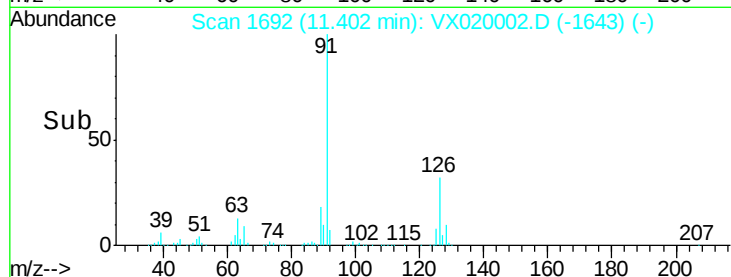
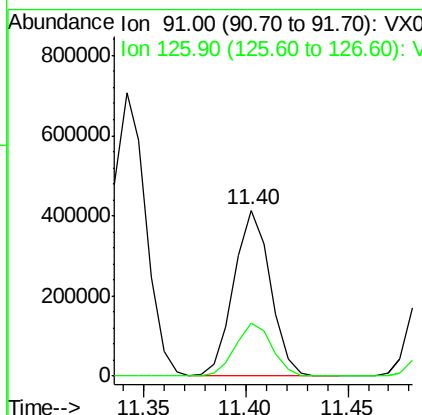
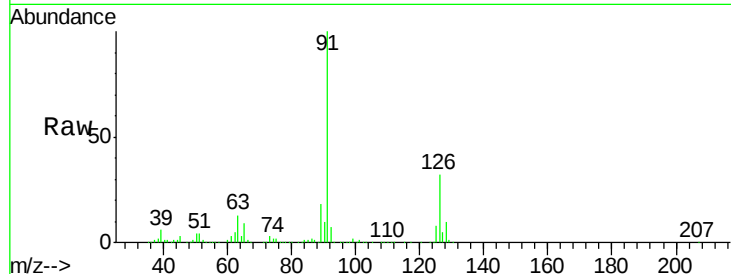
#79
2-Chlorotoluene
Concen: 52.623 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 510998
Ion Ratio Lower Upper
91 100
126 32.4 16.6 49.8

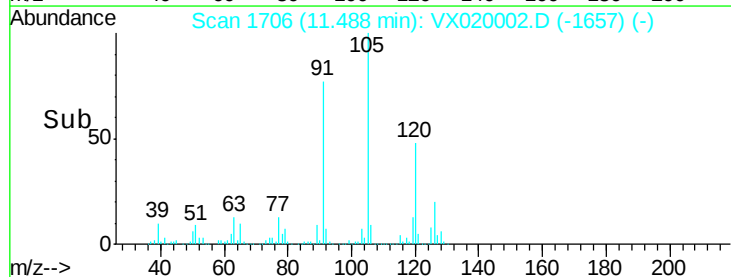
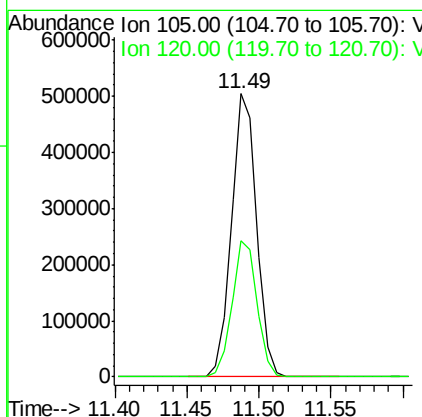
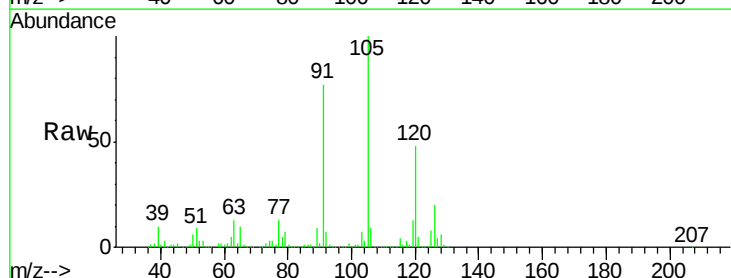
Manual Integrations
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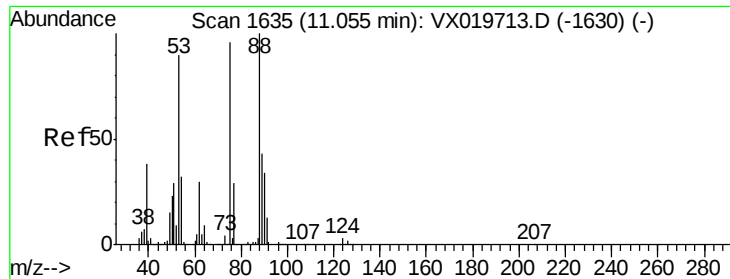
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 52.883 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion: 105 Resp: 616187
Ion Ratio Lower Upper
105 100
120 48.2 23.8 71.5





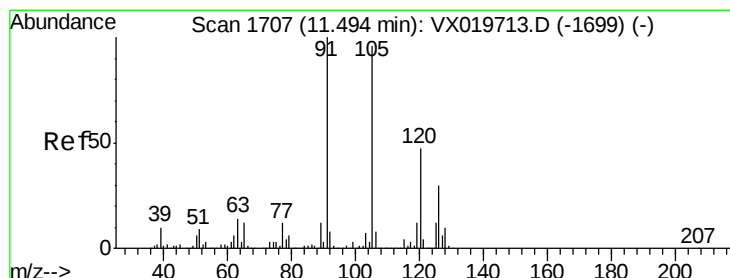
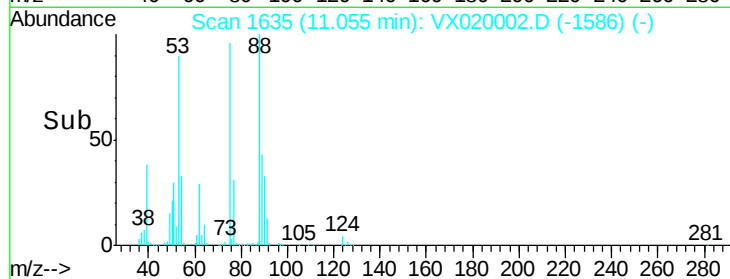
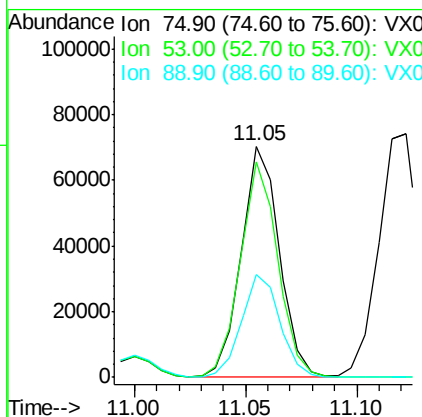
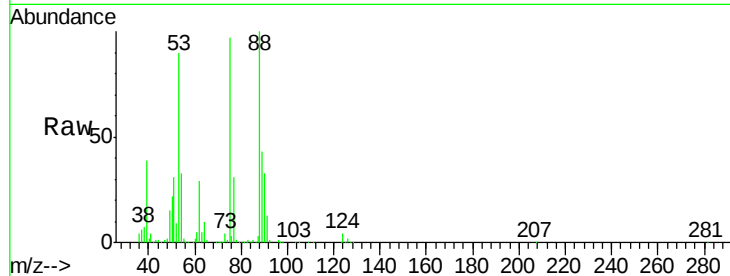
#81
trans-1,4-Dichloro-2-butene
Concen: 53.438 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.9	74.5	111.7
89	45.3	37.9	56.9

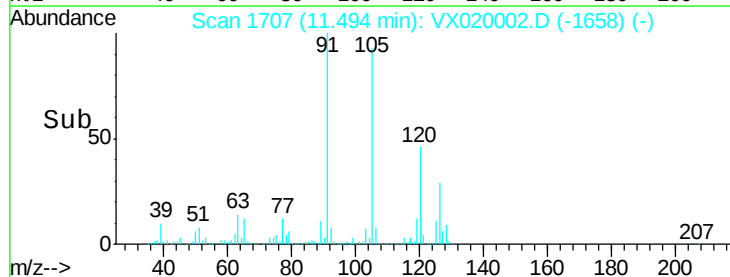
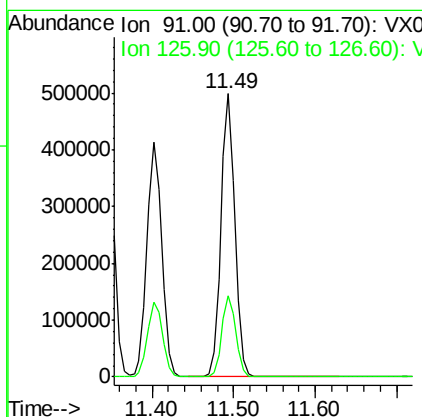
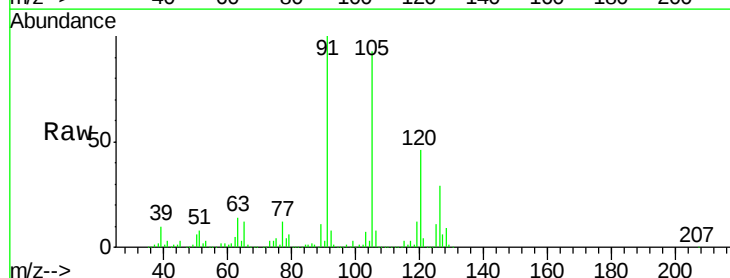
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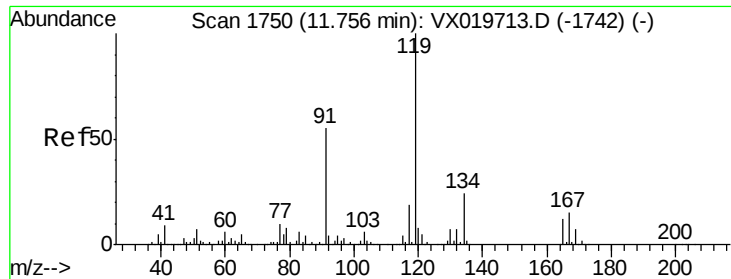
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.514 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.9	44.5





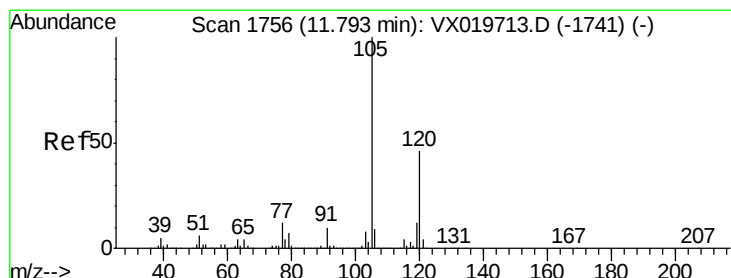
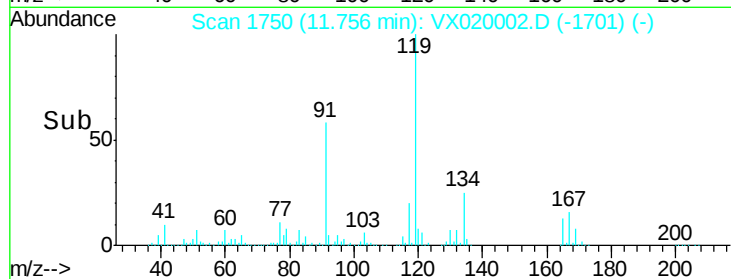
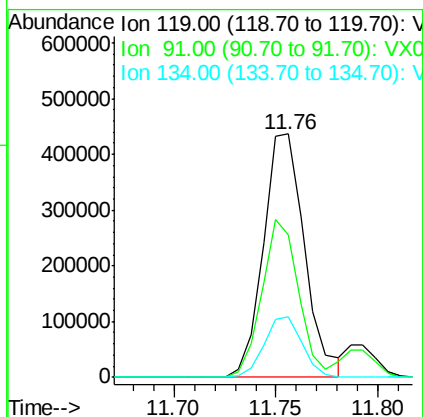
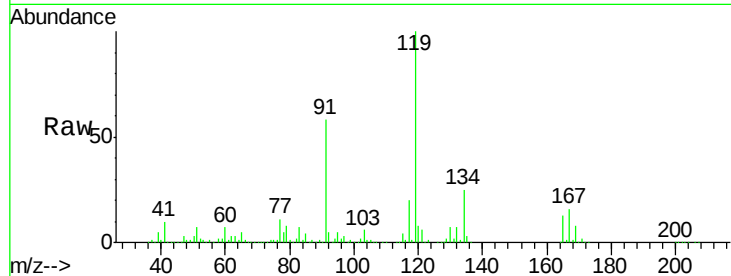
#83
tert-Butylbenzene
Concen: 53.875 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	27.9	83.7
134	22.9	11.3	33.9

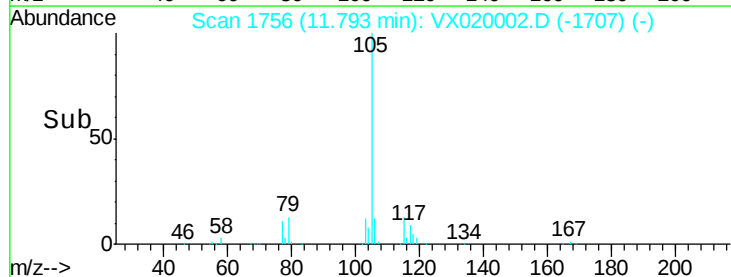
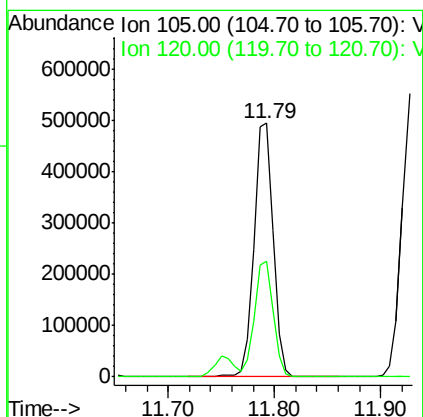
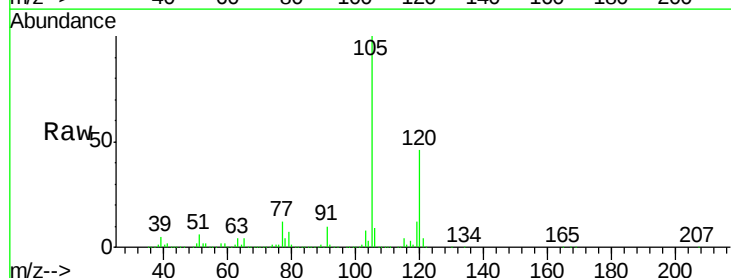
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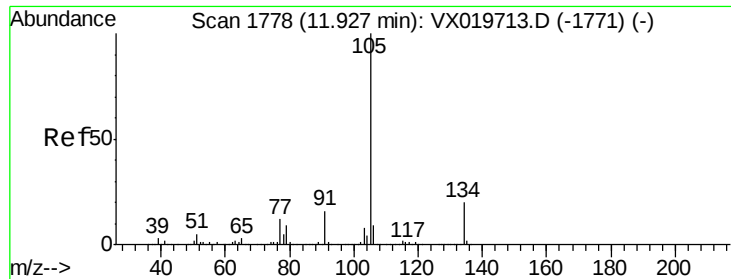
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#84
1,2,4-Trimethylbenzene
Concen: 53.441 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





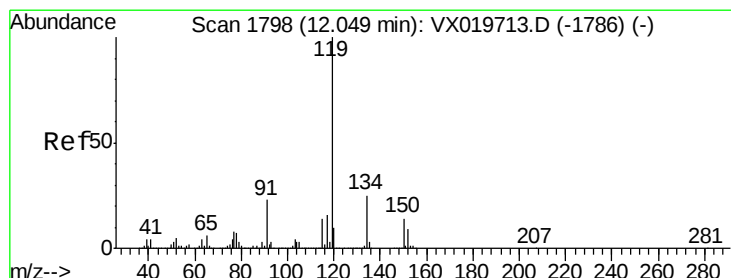
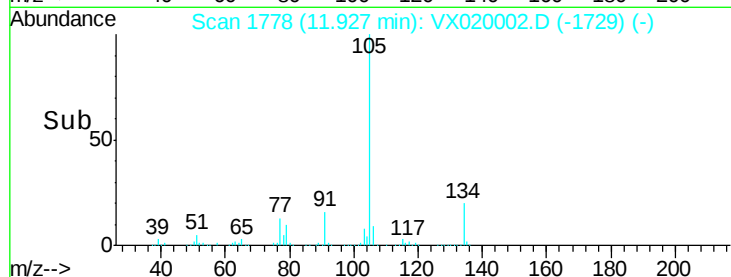
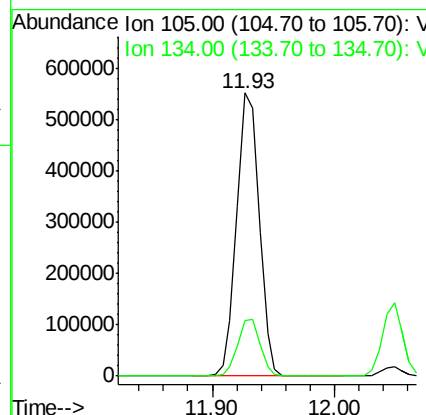
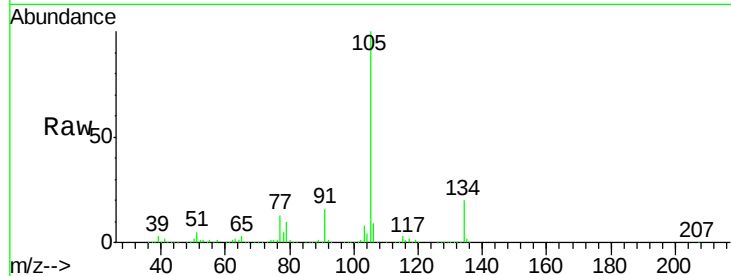
#85
 sec-Butylbenzene
 Concen: 53.761 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.0	29.8

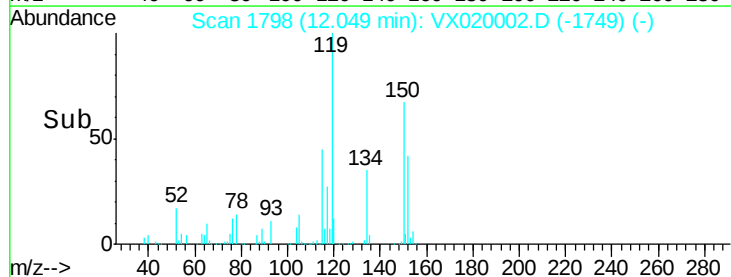
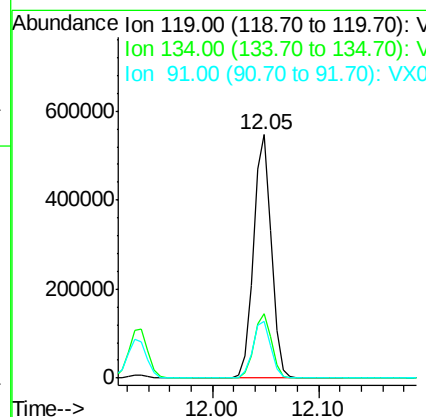
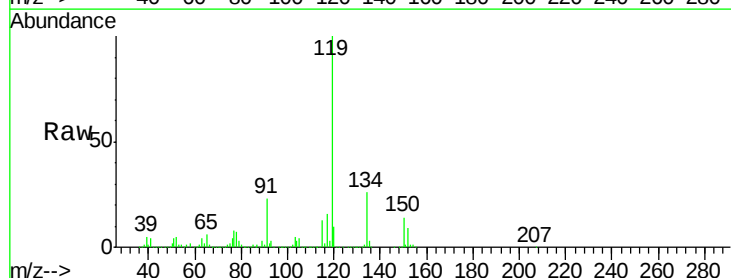
Manual Integrations
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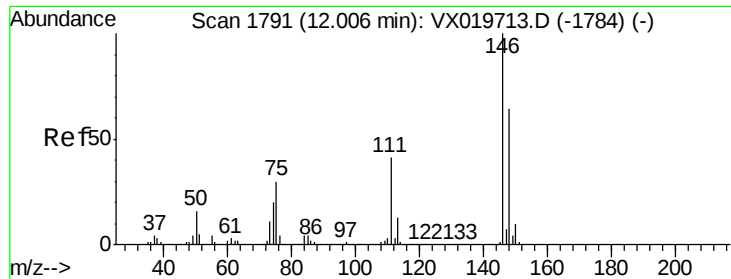
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#86
 p-Isopropyltoluene
 Concen: 53.546 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.7
91	23.6	11.7	35.0





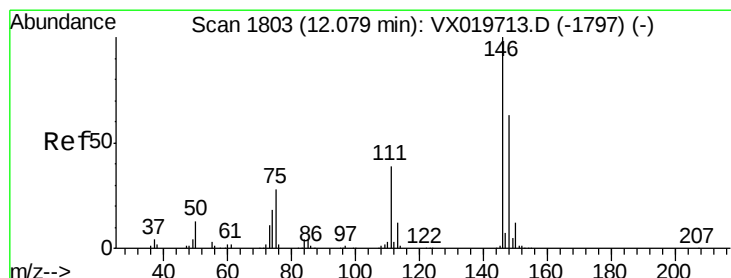
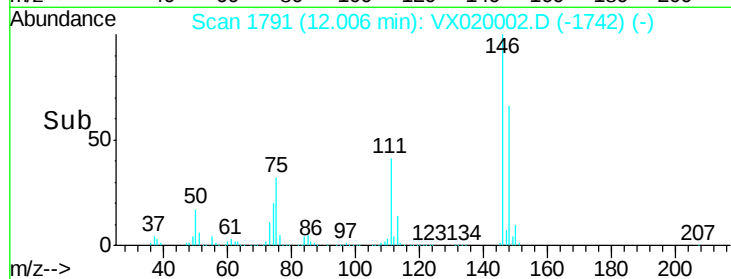
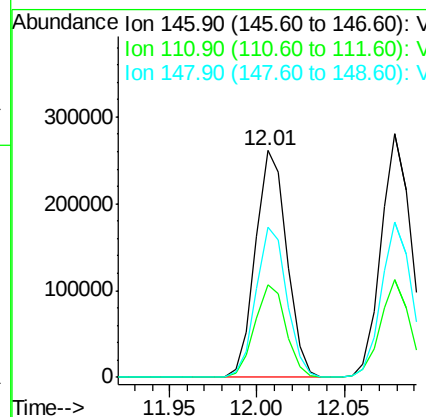
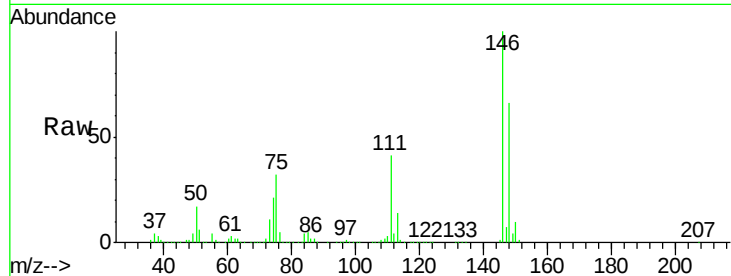
#87
 1,3-Dichlorobenzene
 Concen: 50.264 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.2	60.5
148	65.0	31.9	95.7

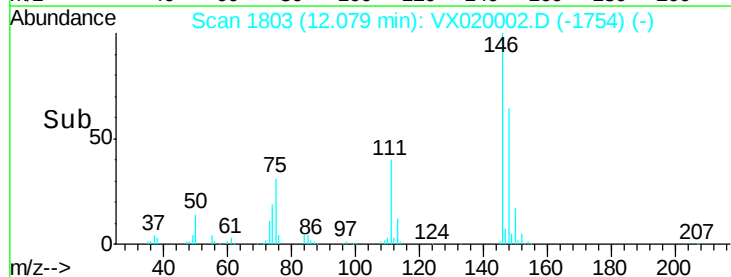
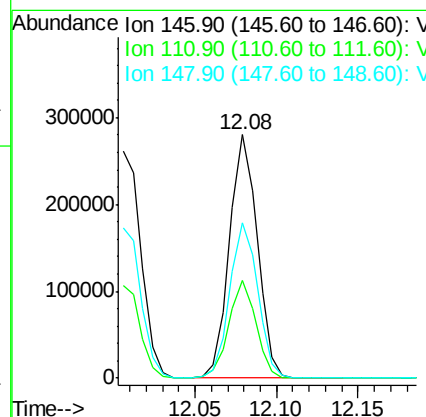
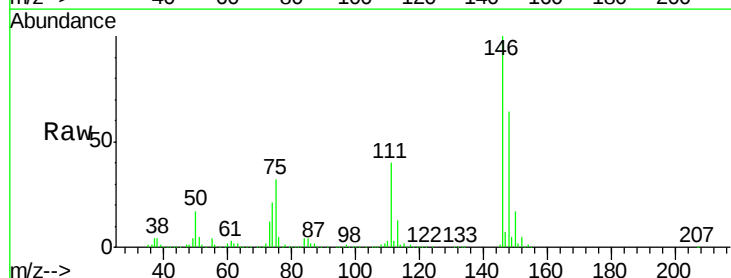
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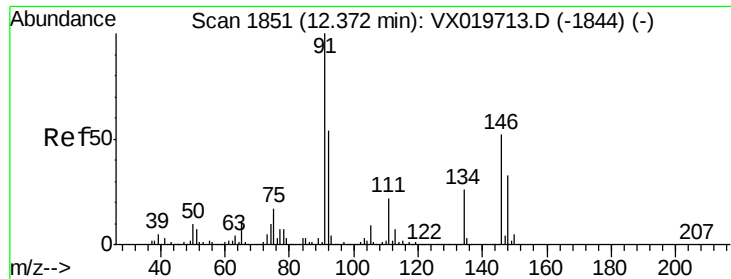
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#88
 1,4-Dichlorobenzene
 Concen: 50.388 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	64.1	31.6	95.0





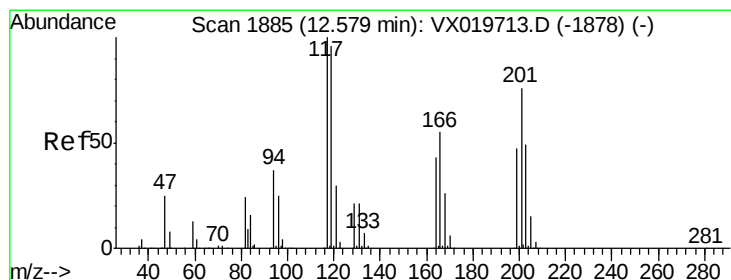
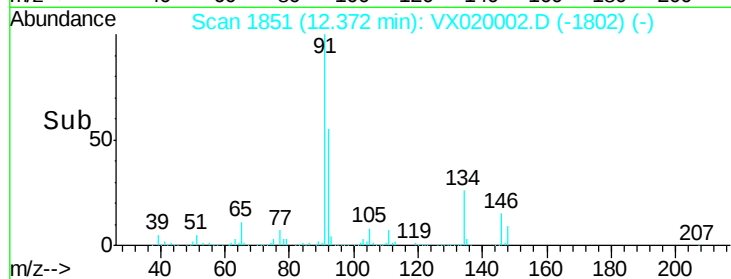
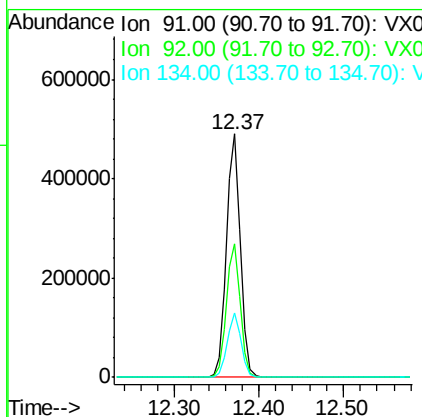
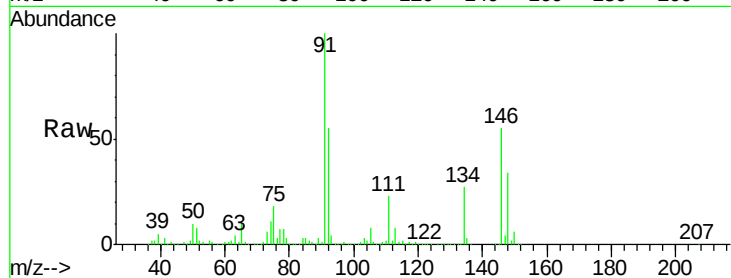
#89
n-Butylbenzene
Concen: 52.662 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.4	82.0
134	26.1	13.2	39.5

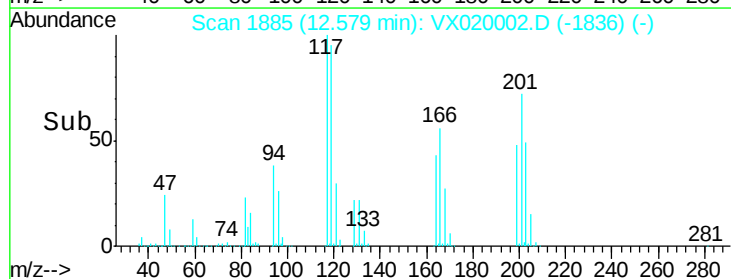
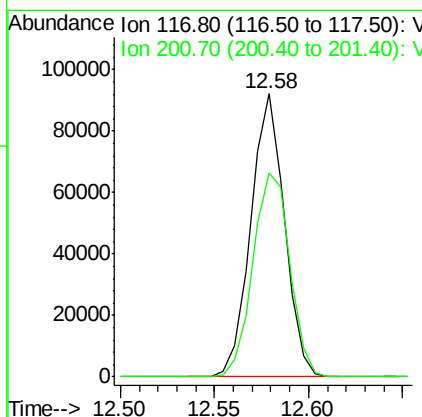
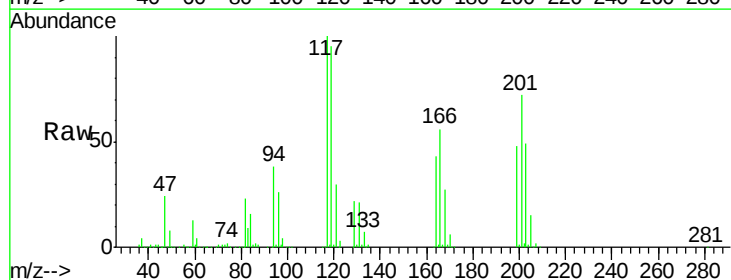
Manual Integrations
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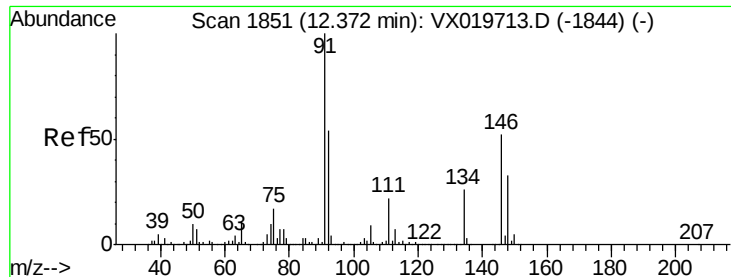
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#90
Hexachloroethane
Concen: 55.186 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	40.4	121.2





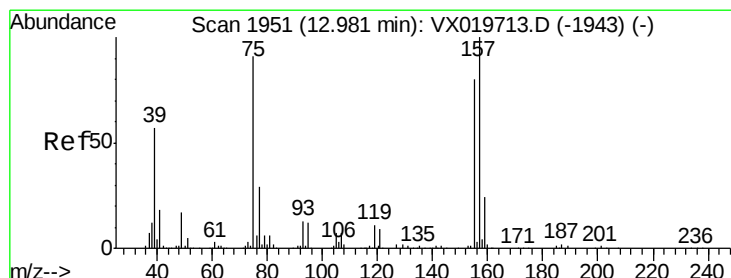
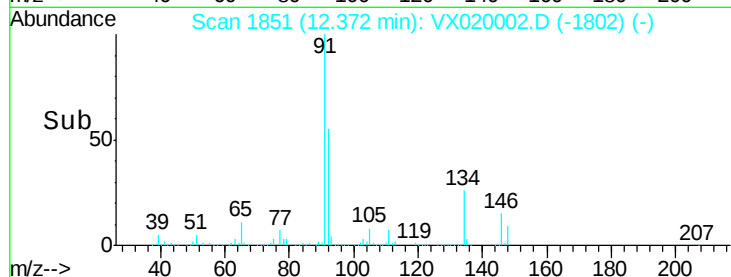
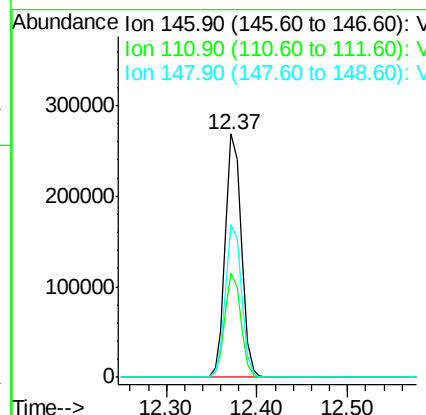
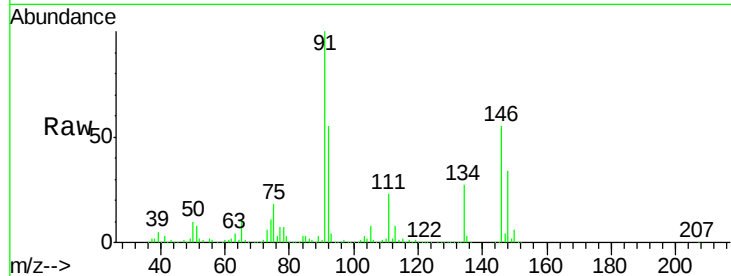
#91
 1,2-Dichlorobenzene
 Concen: 53.102 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.2
148	63.1	31.9	95.5

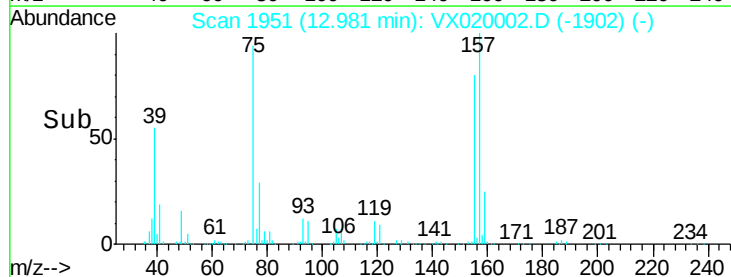
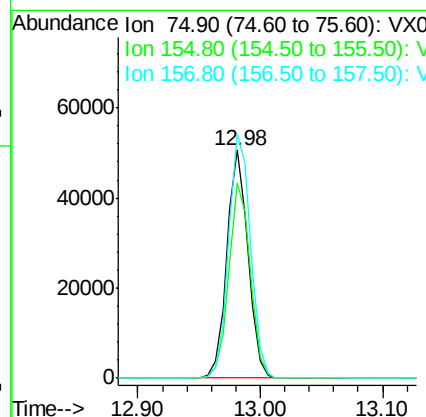
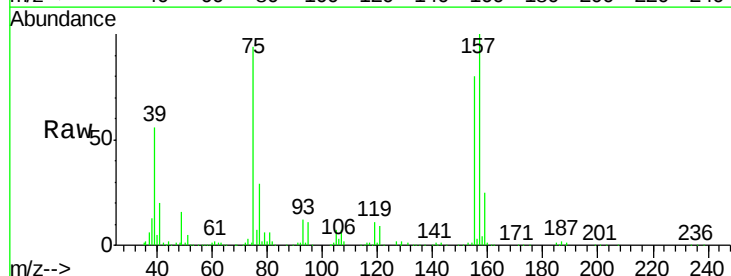
Manual Integrations
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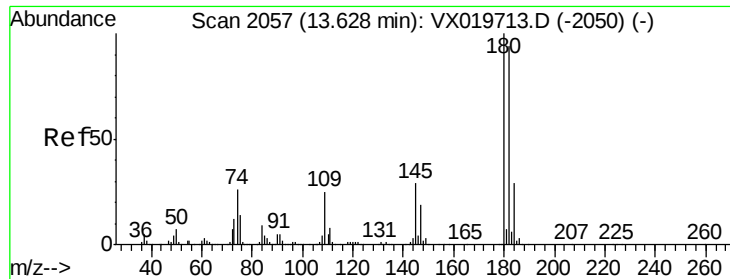
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 12/15/2020 5:34:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.865 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	45.3	135.9
157	110.5	57.7	173.1





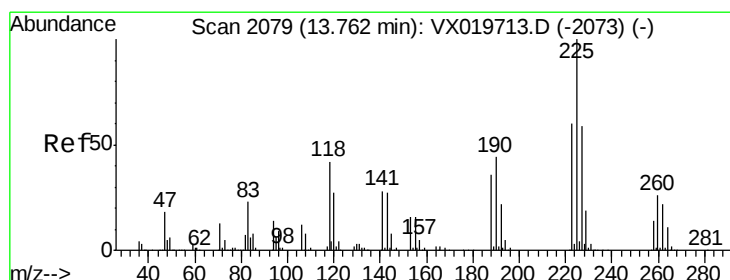
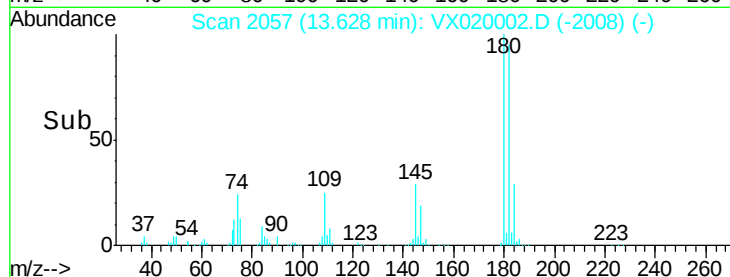
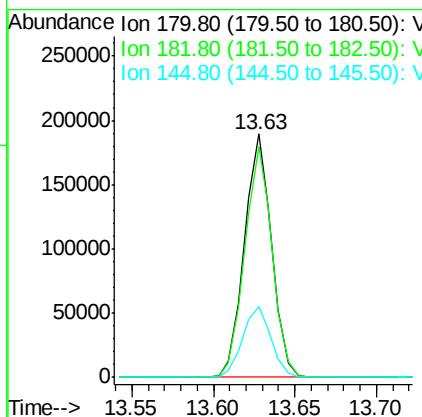
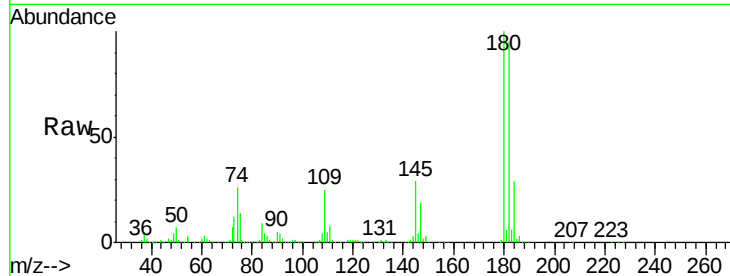
#93
 1,2,4-Trichlorobenzene
 Concen: 53.442 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	219909		
182	95.8	47.7	143.1	
145	30.3	15.0	45.0	

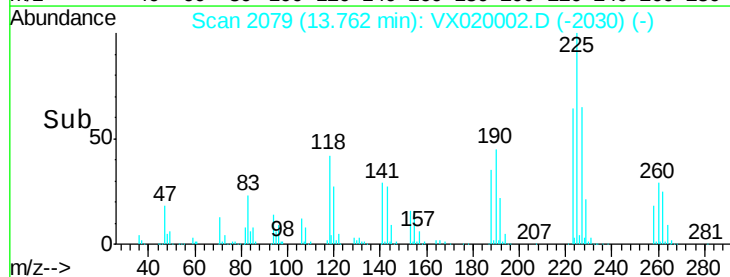
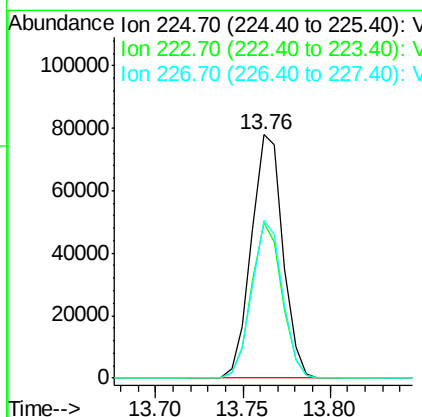
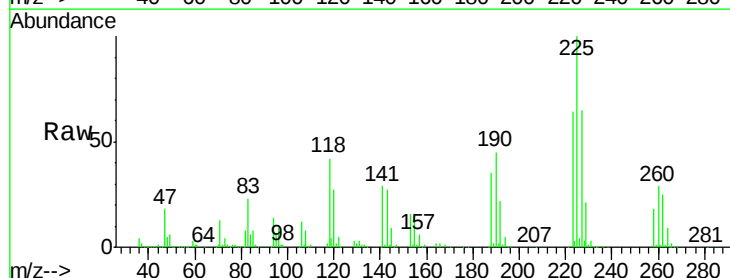
Manual Integrations
 APPROVED

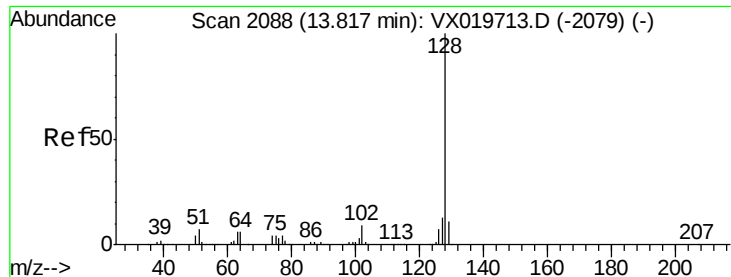
MMDadoda
 12/15/2020 5:34:20 PM



#94
 Hexachlorobutadiene
 Concen: 53.130 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX020002.D
 Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97715		
223	61.6	31.1	93.2	
227	63.0	31.6	95.0	





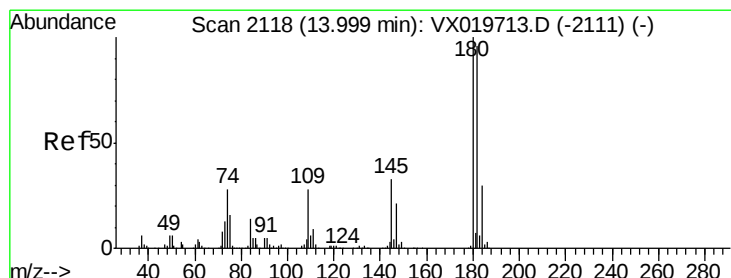
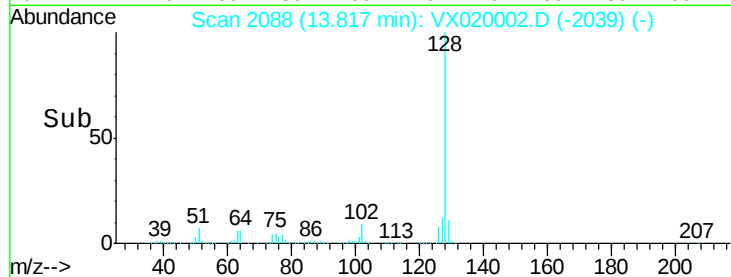
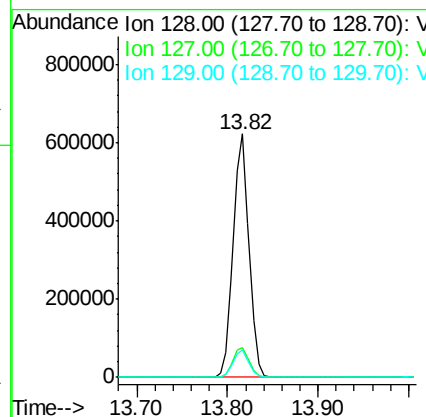
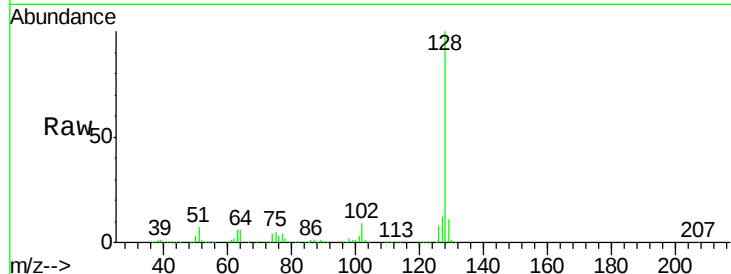
#95
Naphthalene
Concen: 56.388 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/15/2020 5:34:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.277 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX020002.D
Acq: 14 Dec 2020 21:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	33.0	16.1	48.3

