

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016449.D
 Acq On : 27 May 2020 15:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:10:24 PM

Quant Time: May 27 16:08:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 15:52:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	288856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	453585	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	214019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	178977	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	5.46	113	138368	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	8.70	98	547397	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.12	95	206058	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	151974	49.930	ug/l	100
3) Chloromethane	1.31	50	171771	48.544	ug/l	100
4) Vinyl Chloride	1.39	62	184498	48.773	ug/l	100
5) Bromomethane	1.62	94	85721	45.529	ug/l	100
6) Chloroethane	1.70	64	109227	47.923	ug/l	100
7) Trichlorofluoromethane	1.91	101	246432	49.638	ug/l	100
8) Diethyl Ether	2.17	74	98462	47.275	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	134991	47.495	ug/l	100
10) Methyl Iodide	2.49	142	154128	42.028	ug/l	100
11) Tert butyl alcohol	3.02	59	236458	246.733	ug/l	100
12) 1,1-Dichloroethene	2.36	96	140316	47.144	ug/l	100
13) Acrolein	2.27	56	93770	167.710	ug/l	100
14) Allyl chloride	2.70	41	263744	48.167	ug/l	100
15) Acrylonitrile	3.12	53	494361	247.828	ug/l	100
16) Acetone	2.42	43	410010	242.645	ug/l	100
17) Carbon Disulfide	2.55	76	422273	41.707	ug/l	100
18) Methyl Acetate	2.75	43	210718	50.314	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	520831	50.301	ug/l	100
20) Methylene Chloride	2.83	84	163715	46.948	ug/l	100
21) trans-1,2-Dichloroethene	3.14	96	156678	46.923	ug/l	100
22) Diisopropyl ether	3.82	45	517957	49.813	ug/l	100
23) Vinyl Acetate	3.79	43	2324947	254.473	ug/l	100
24) 1,1-Dichloroethane	3.67	63	288706	49.659	ug/l	100
25) 2-Butanone	4.64	43	708696	258.396	ug/l	100
26) 2,2-Dichloropropane	4.55	77	226186	43.511	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	180506	49.324	ug/l	100
28) Bromochloromethane	4.98	49	124889	47.311	ug/l	100
29) Tetrahydrofuran	5.09	42	462132	254.621	ug/l	100
30) Chloroform	5.18	83	288548	49.873	ug/l	100
31) Cyclohexane	5.55	56	253383	48.473	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	263512	50.053	ug/l	100
36) 1,1-Dichloropropene	5.77	75	219493	49.060	ug/l	100
37) Ethyl Acetate	4.79	43	265758	51.170	ug/l	100
38) Carbon Tetrachloride	5.76	117	232530	50.970	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	240002	45.387	ug/l	100
40) Benzene	6.11	78	659123	50.239	ug/l	100
41) Methacrylonitrile	5.00	41	142438	50.884	ug/l	100
42) 1,2-Dichloroethane	6.17	62	234895	49.774	ug/l	100
43) Isopropyl Acetate	6.42	43	415601	50.274	ug/l	100
44) Trichloroethene	7.19	130	202671	44.282	ug/l	100
45) 1,2-Dichloropropane	7.49	63	167944	50.669	ug/l	100
46) Dibromomethane	7.64	93	112143	49.794	ug/l	100
47) Bromodichloromethane	7.88	83	235236	51.261	ug/l	100
48) Methyl methacrylate	7.74	41	201777	51.358	ug/l	100
49) 1,4-Dioxane	7.71	88	94386	1004.566	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	1333405	262.773	ug/l	100
52) Toluene	8.77	92	417387	51.046	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	269480	49.428	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	283933	49.826	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	164487	51.180	ug/l	100
56) Ethyl methacrylate	9.16	69	278223	52.892	ug/l	100
57) 1,3-Dichloropropane	9.35	76	285909	50.938	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	701982	252.191	ug/l	100
59) 2-Hexanone	9.48	43	1048837	262.800	ug/l	100
60) Dibromochloromethane	9.57	129	189416	53.299	ug/l	100
61) 1,2-Dibromoethane	9.65	107	177450	51.122	ug/l	100
64) Tetrachloroethene	9.32	164	236945	46.329	ug/l	100
65) Chlorobenzene	10.12	112	442626	50.117	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	168241	51.448	ug/l	100
67) Ethyl Benzene	10.24	91	799954	50.791	ug/l	100
68) m/p-Xylenes	10.34	106	600420	101.984	ug/l	100
69) o-Xylene	10.68	106	286147	50.605	ug/l	100
70) Styrene	10.70	104	506557	52.554	ug/l	100
71) Bromoform	10.84	173	148418	55.279	ug/l	100
73) Isopropylbenzene	11.00	105	767450	49.454	ug/l	100
74) N-amyl acetate	10.88	43	358999	49.594	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	196235	67.817	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	242117m	49.921	ug/l	
77) Bromobenzene	11.24	156	196068	48.756	ug/l	100
78) n-propylbenzene	11.34	91	865953	48.083	ug/l	100
79) 2-Chlorotoluene	11.40	91	521655	48.818	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	649890	49.534	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	97065	48.286	ug/l	100
82) 4-Chlorotoluene	11.49	91	617002	48.935	ug/l	100
83) tert-Butylbenzene	11.76	119	556882	49.210	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	655683	49.430	ug/l	100
85) sec-Butylbenzene	11.93	105	690929	45.881	ug/l	100
86) p-Isopropyltoluene	12.05	119	653938	46.685	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	343702	47.738	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	348450	47.682	ug/l	100
89) n-Butylbenzene	12.37	91	546808	43.116	ug/l	100
90) Hexachloroethane	12.58	117	112014	46.716	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	329792	47.600	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	61587	48.195	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	223903	44.049	ug/l	100
94) Hexachlorobutadiene	13.77	225	83979	36.700	ug/l	100
95) Naphthalene	13.82	128	780542	47.249	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	215164	43.639	ug/l	100

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

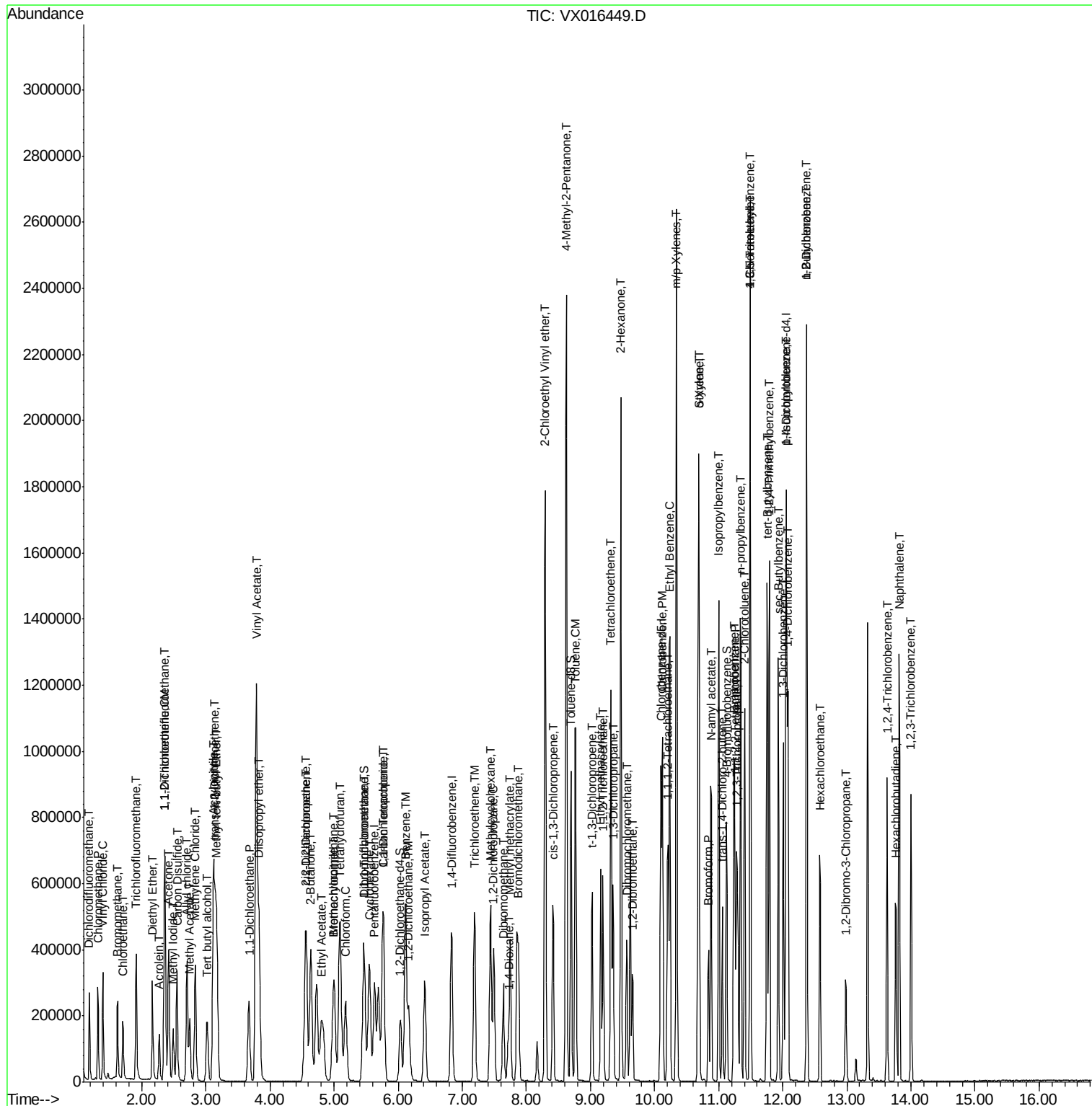
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052720\
Data File : VX016449.D
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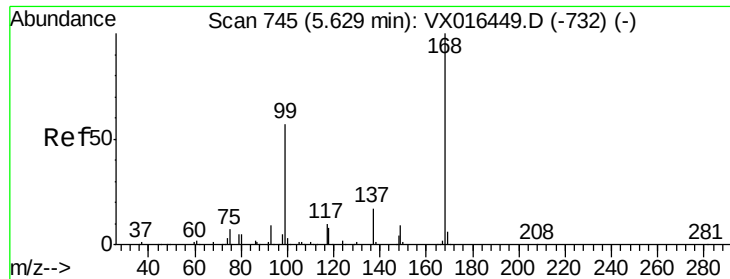
Instrument :
MSVOA_X
ClientSampleID :
VSTDICCC050

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#1

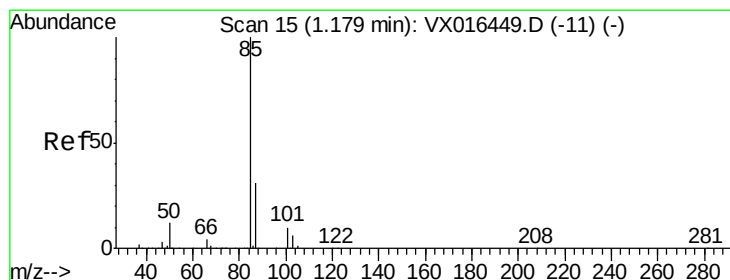
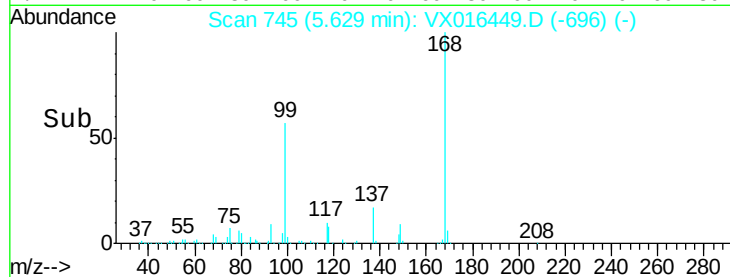
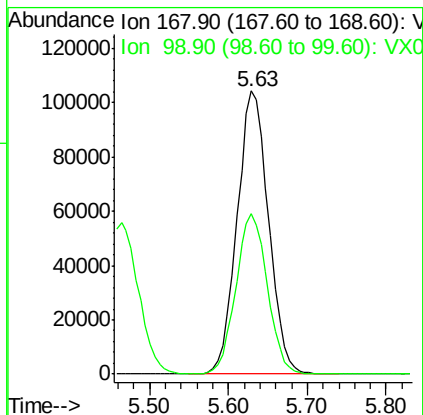
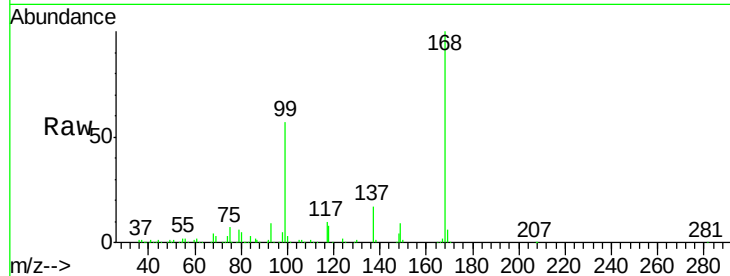
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.5	45.2	67.8

Manual Integrations
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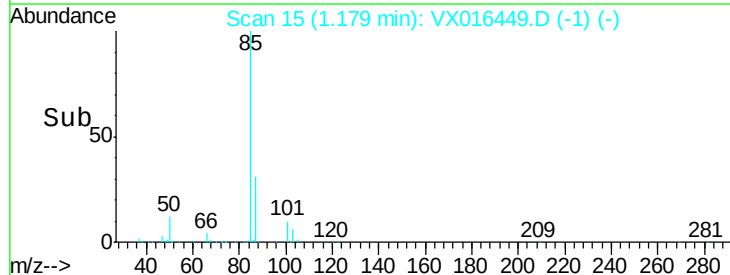
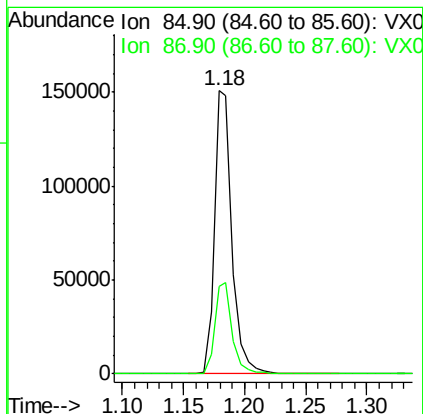
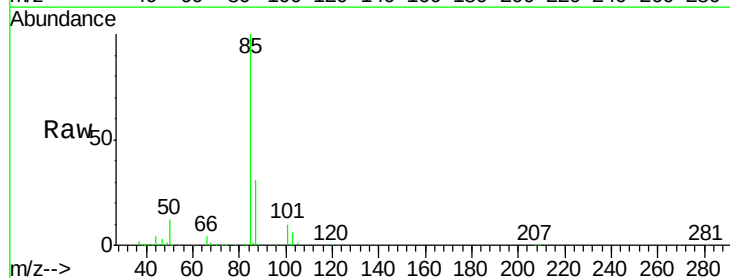
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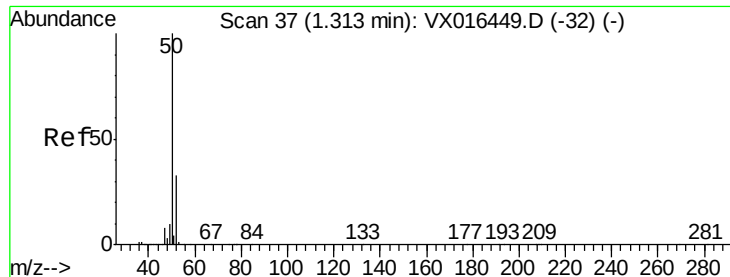


#2

Dichlorodifluoromethane
 Concen: 49.930 ug/l
 RT: 1.18 min Scan# 15
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.8	15.4	46.2





#3

Chloromethane

Concen: 48.544 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 171771

Ion Ratio Lower Upper

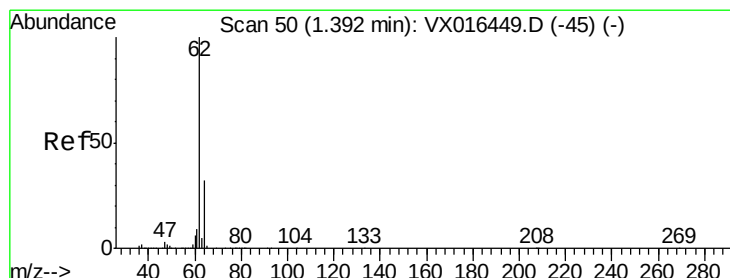
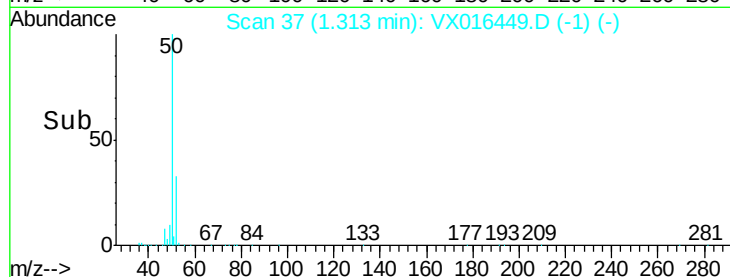
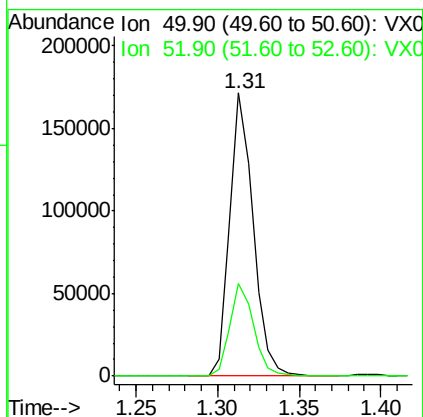
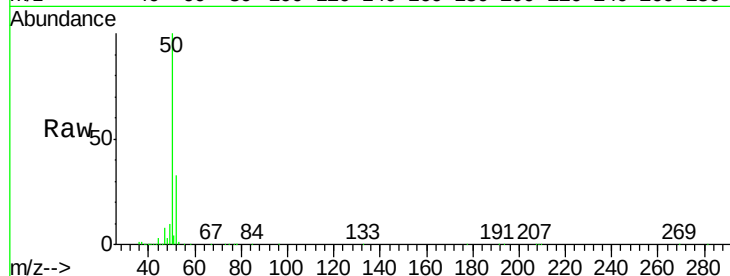
50 100

52 32.7 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.773 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016449.D

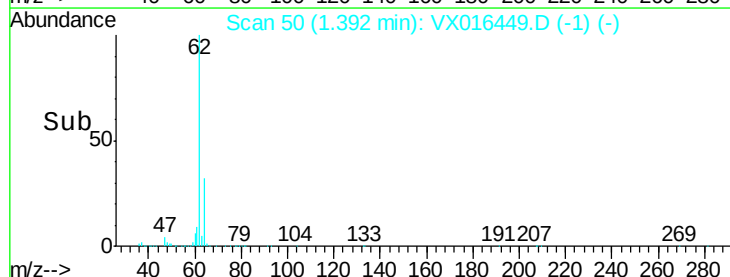
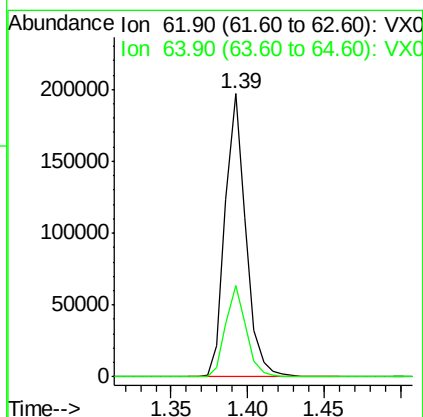
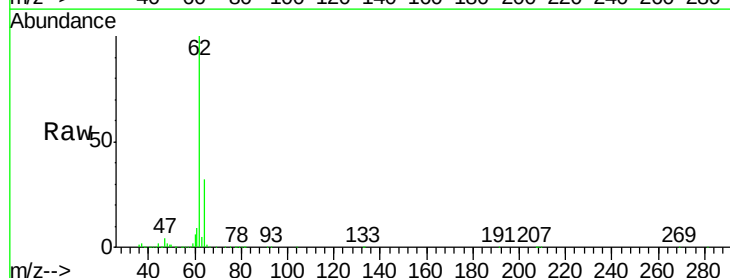
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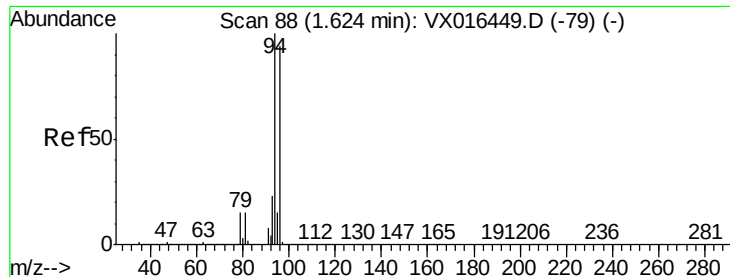
Tgt Ion: 62 Resp: 184498

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 45.529 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 85721

Ion Ratio Lower Upper

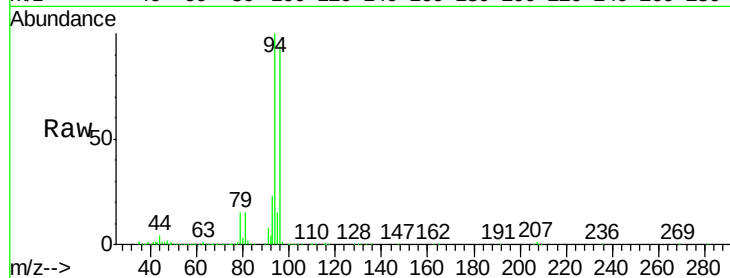
94 100

96 93.9 75.1 112.7

Manual Integrations
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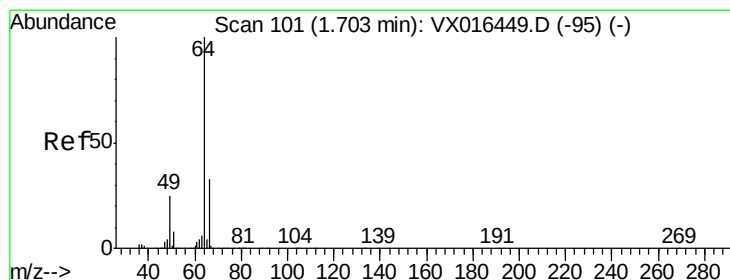
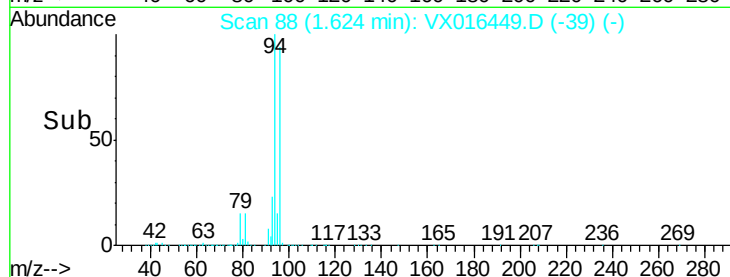
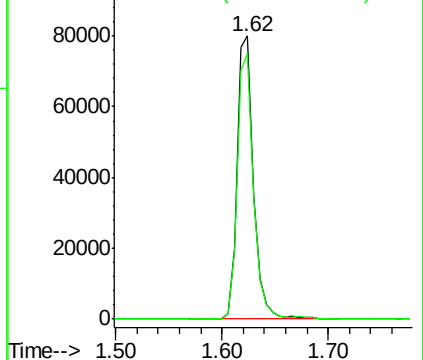
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.923 ug/l

RT: 1.70 min Scan# 101

Delta R.T. 0.00 min

Lab File: VX016449.D

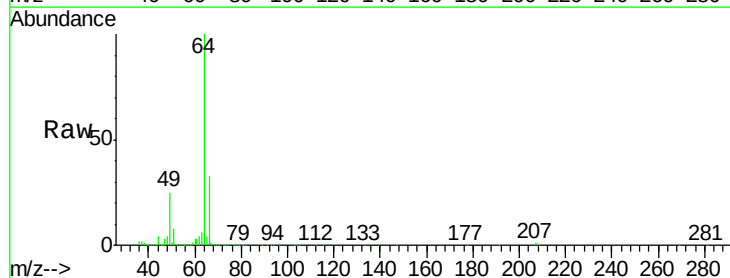
Acq: 27 May 2020 15:27

Tgt Ion: 64 Resp: 109227

Ion Ratio Lower Upper

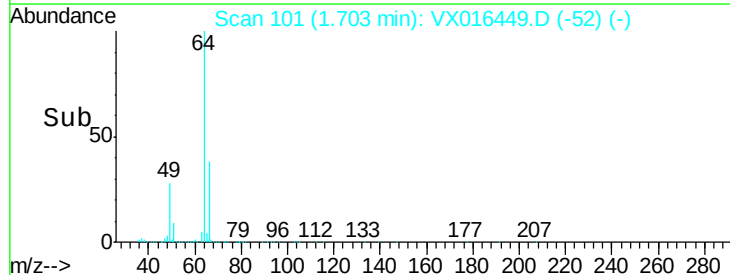
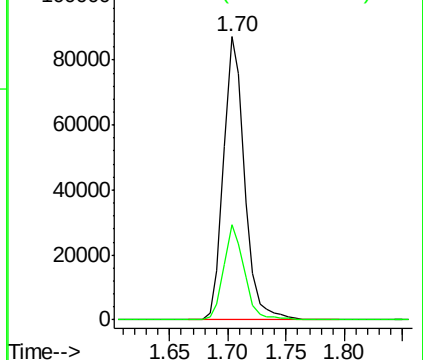
64 100

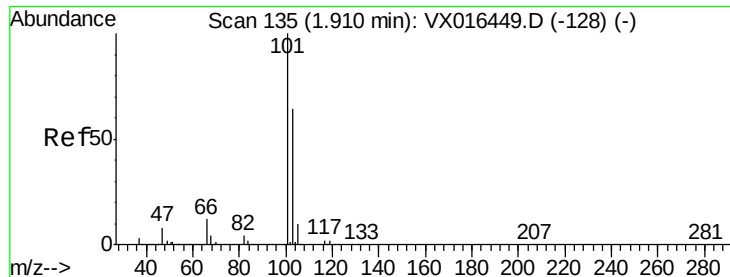
66 33.4 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

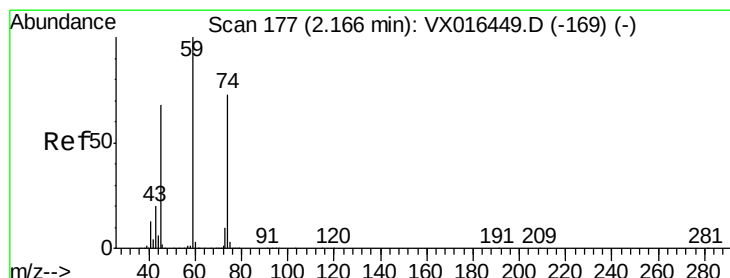
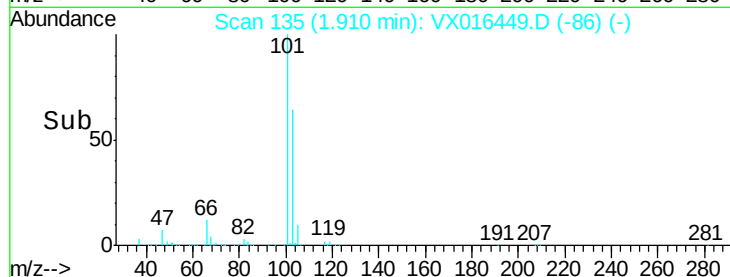
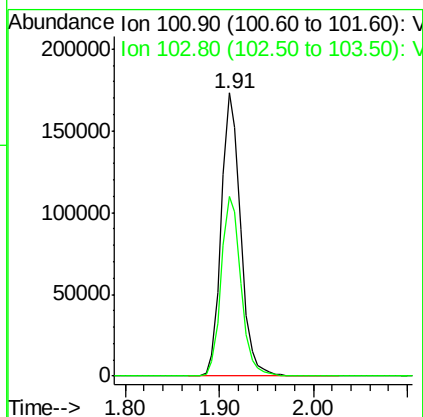
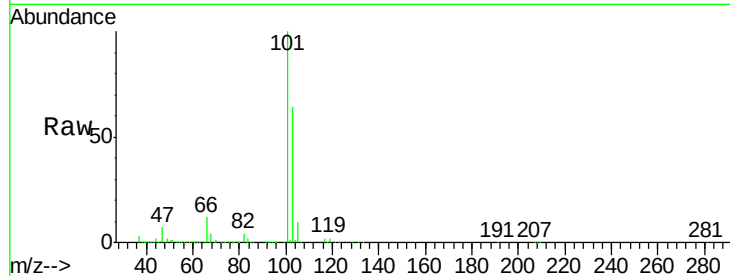
Trichlorofluoromethane
 Concen: 49.638 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		246432		
103	63.6	50.9	76.3		

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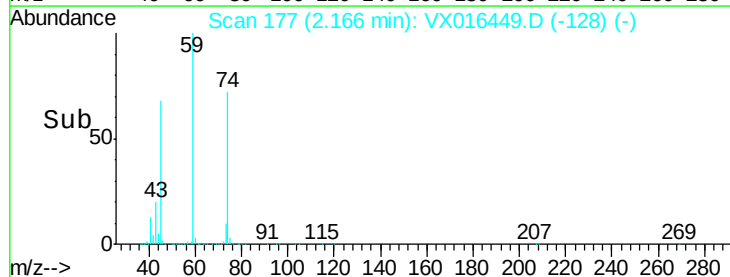
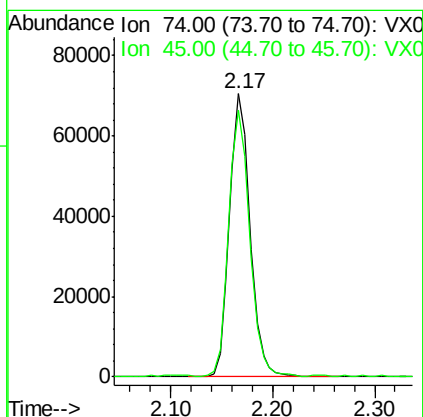
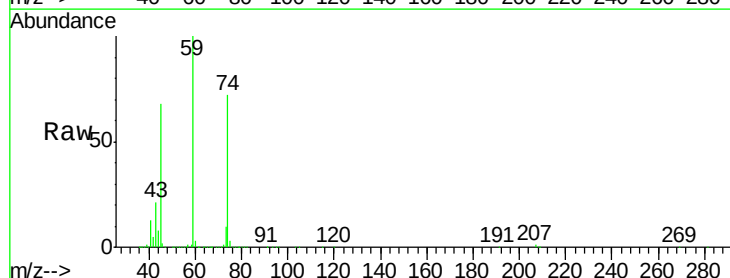
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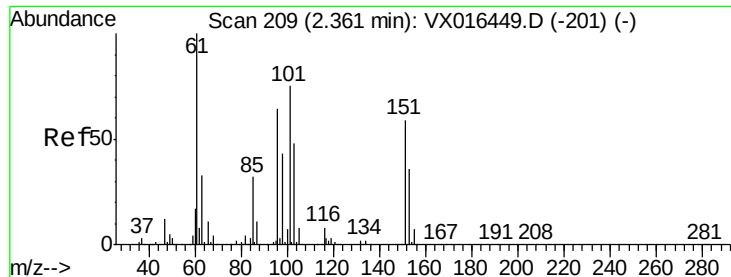


#8

Diethyl Ether
 Concen: 47.275 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		98462		
45	95.0	47.5	142.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.495 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

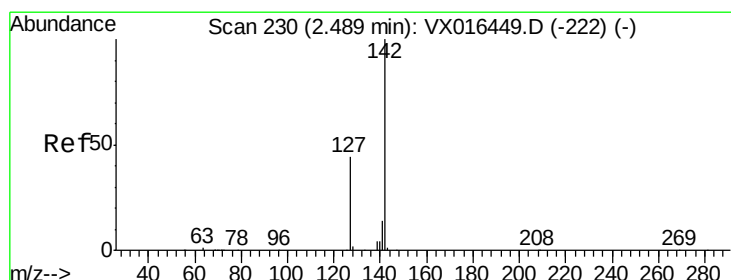
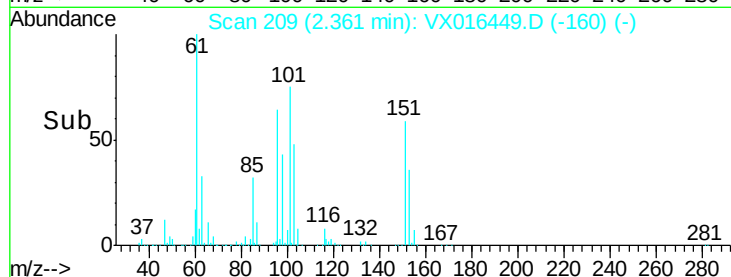
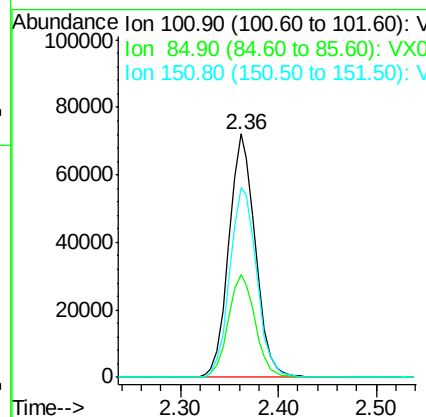
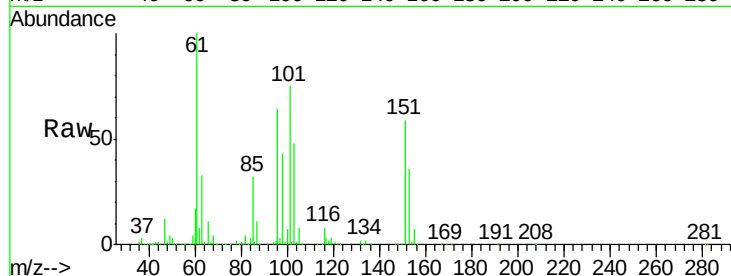
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	134991
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	79.7	63.8	95.6

Manual Integrations
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#10

Methyl Iodide

Concen: 42.028 ug/l

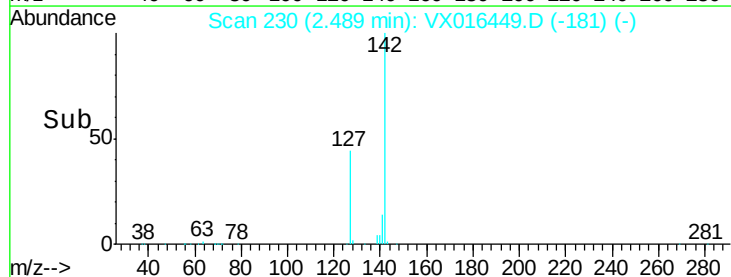
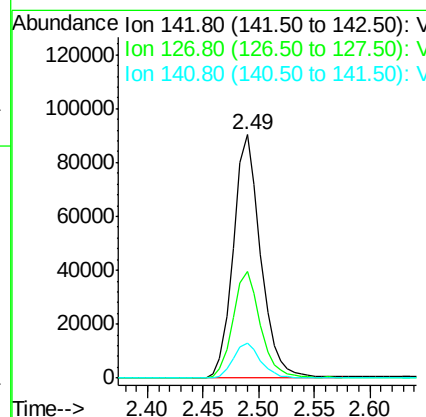
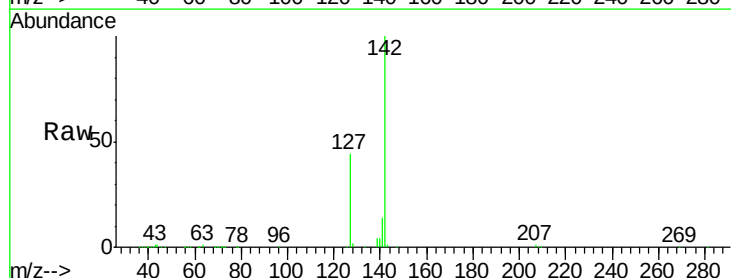
RT: 2.49 min Scan# 230

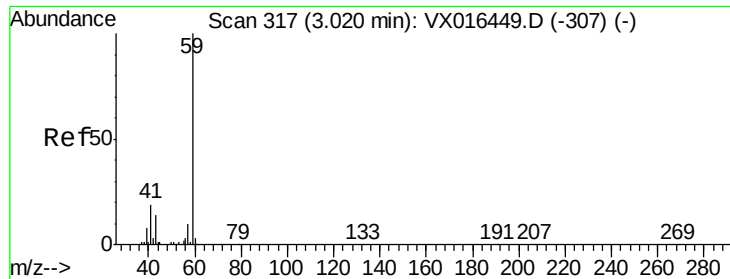
Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tgt Ion:	142	Resp:	154128
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.3	52.9
141	14.3	11.4	17.2





#11

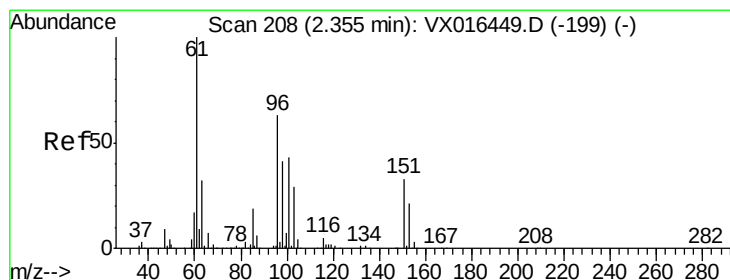
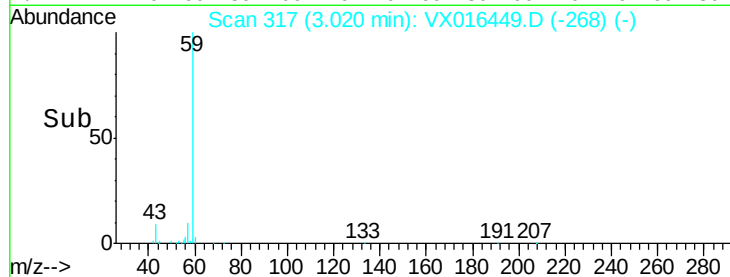
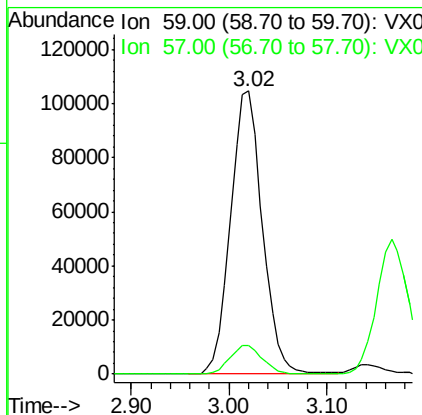
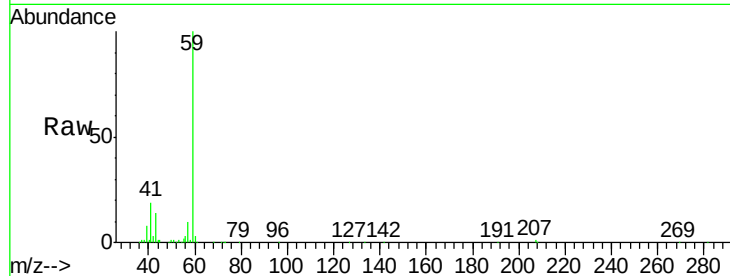
Tert butyl alcohol
Concen: 246.733 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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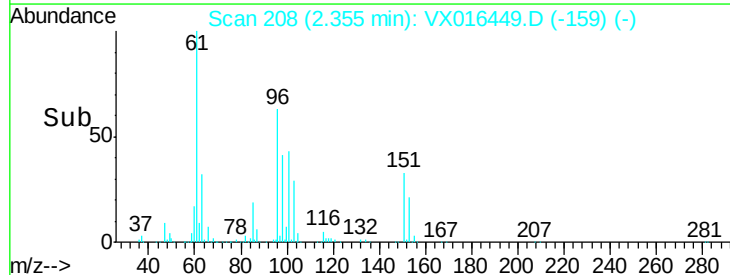
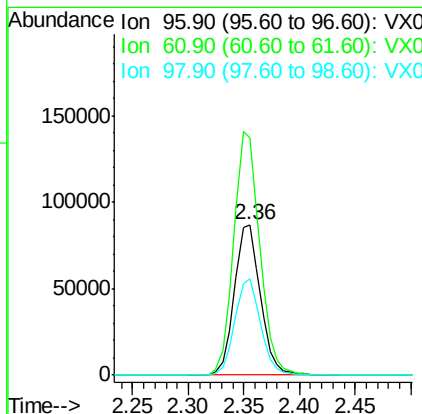
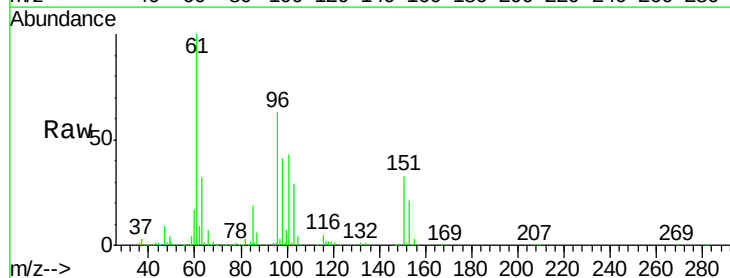
MMDadoda
5/28/2020 2:10:24 PM

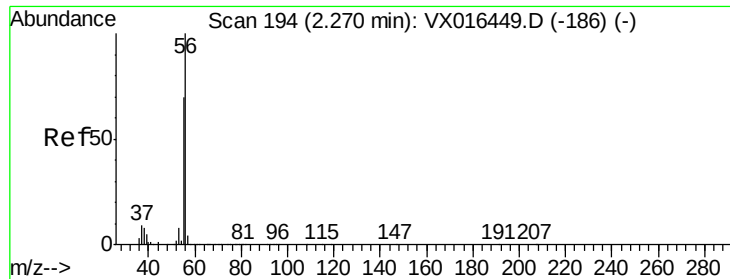


#12

1,1-Dichloroethene
Concen: 47.144 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	126.6	189.8
98	64.1	51.3	76.9





#13

Acrolein

Concen: 167.710 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 93770

Ion Ratio Lower Upper

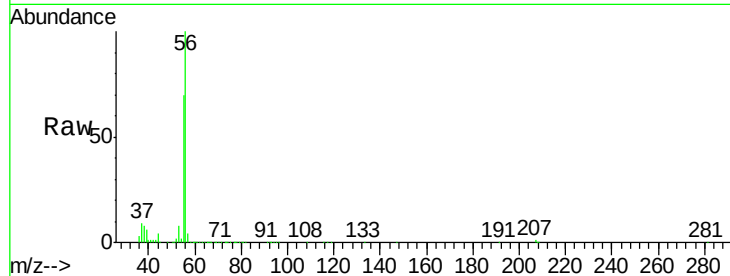
56 100

55 72.9 58.3 87.5

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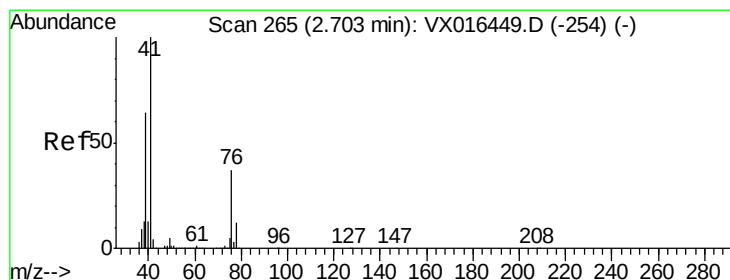
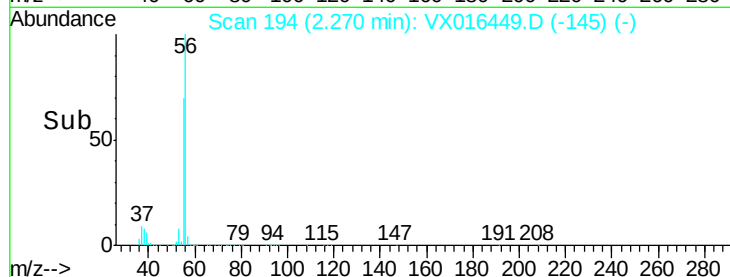
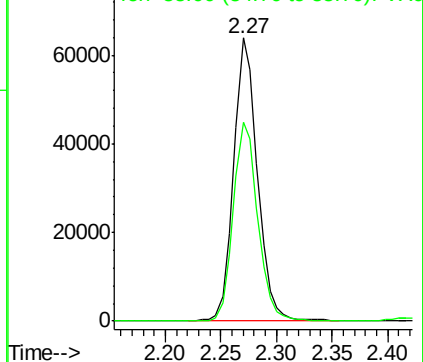
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.167 ug/l

RT: 2.70 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

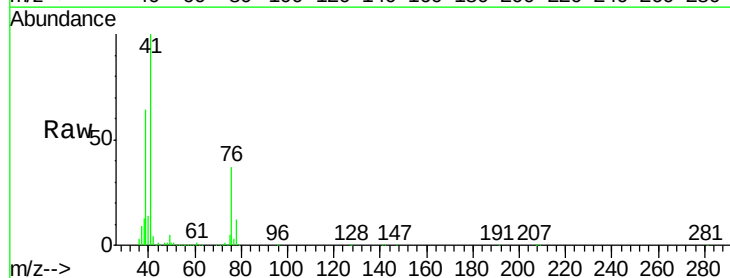
Tgt Ion: 41 Resp: 263744

Ion Ratio Lower Upper

41 100

39 59.6 47.7 71.5

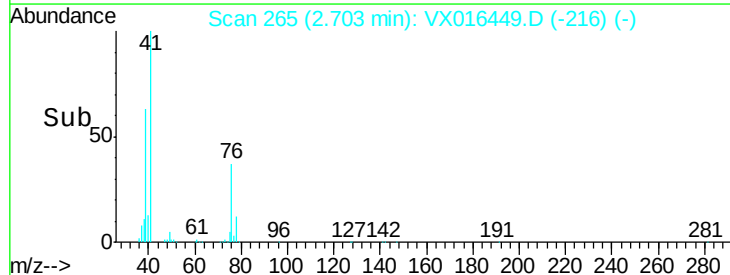
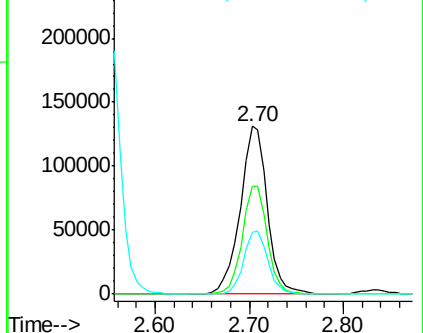
76 33.3 26.6 40.0

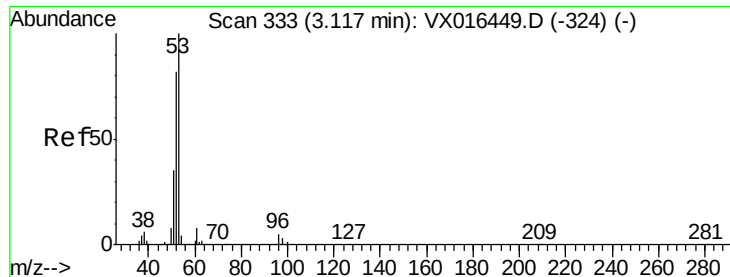


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 247.828 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

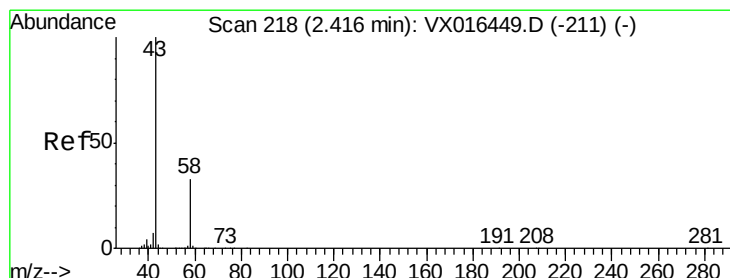
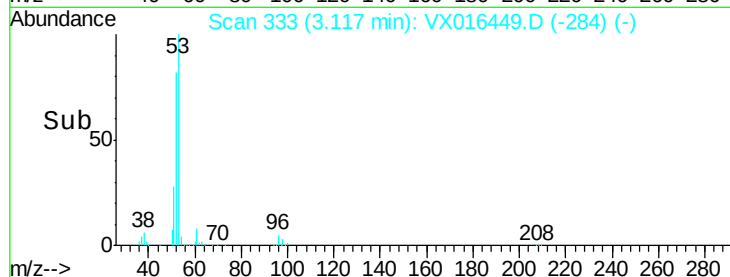
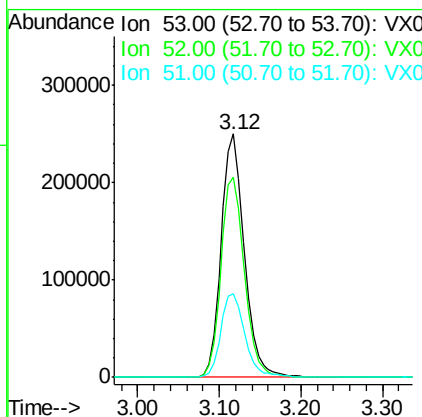
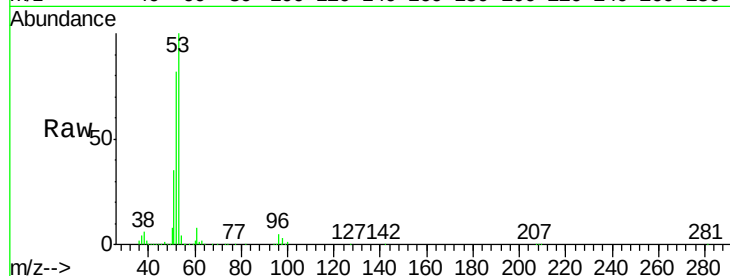
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	494361
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.7	100.1
51	35.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 242.645 ug/l

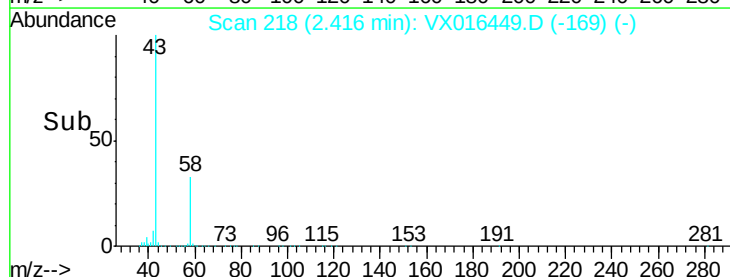
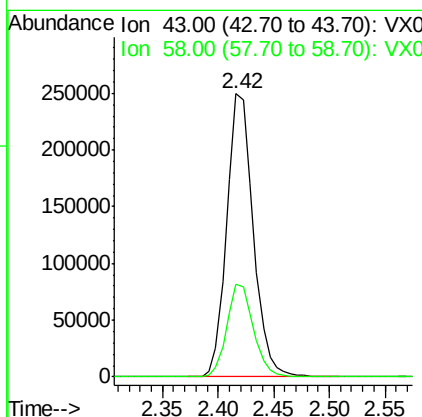
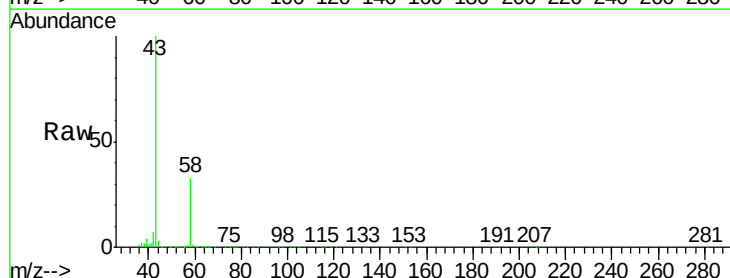
RT: 2.42 min Scan# 218

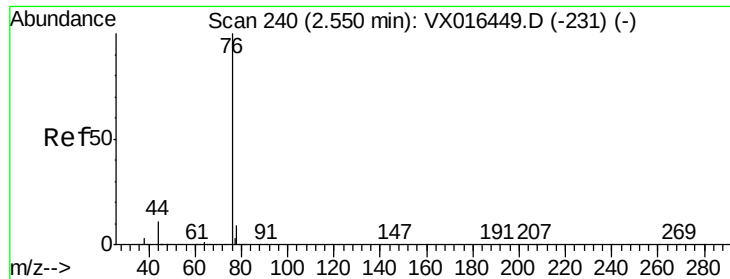
Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tgt Ion:	43	Resp:	410010
Ion Ratio	Lower	Upper	
43	100		
58	32.6	26.1	39.1





#17

Carbon Disulfide

Concen: 41.707 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 422273

Ion Ratio Lower Upper

76 100

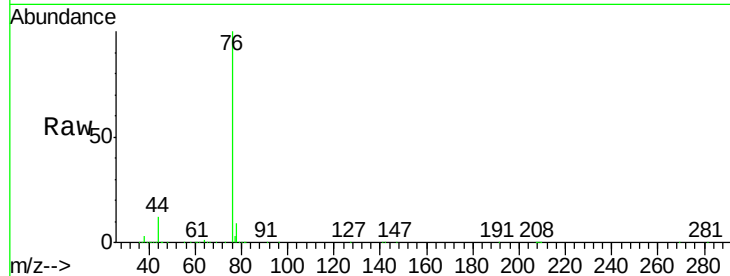
78 9.2 7.4 11.0

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

250000

200000

150000

100000

50000

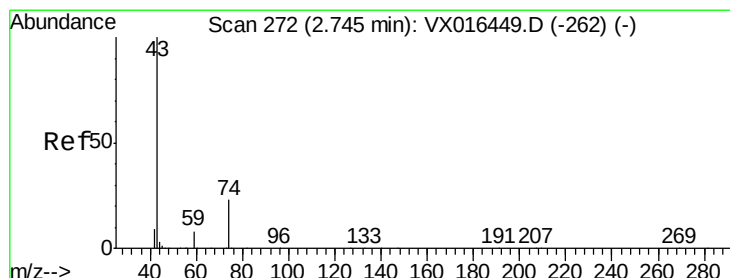
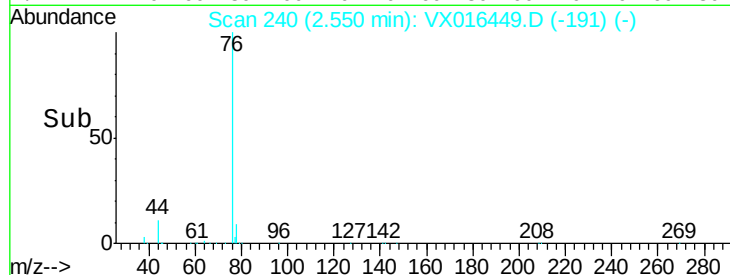
0

2.55

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 50.314 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX016449.D

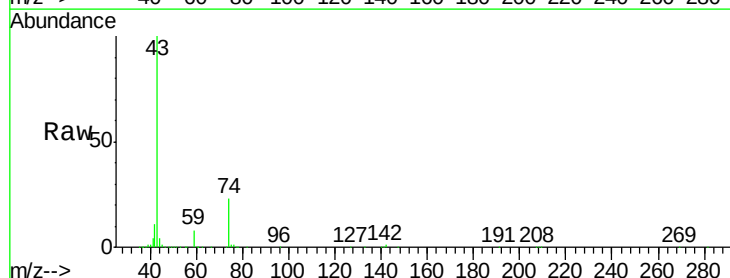
Acq: 27 May 2020 15:27

Tgt Ion: 43 Resp: 210718

Ion Ratio Lower Upper

43 100

74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

50000

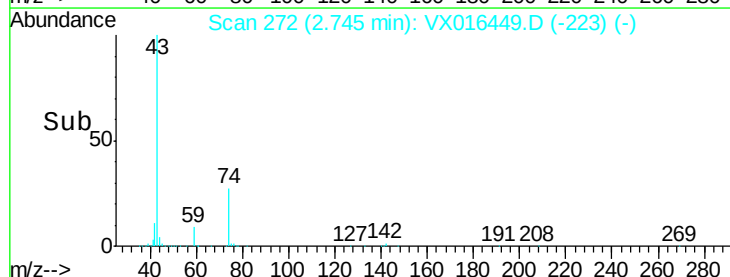
0

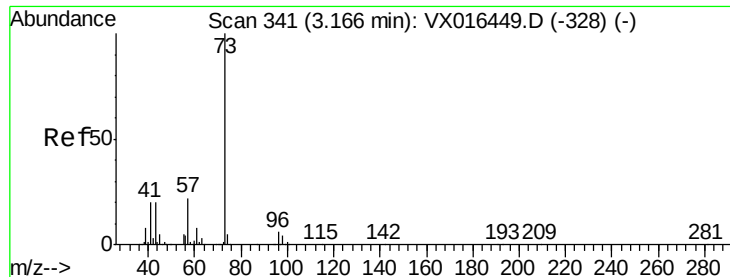
2.75

2.80

2.85

Time-->





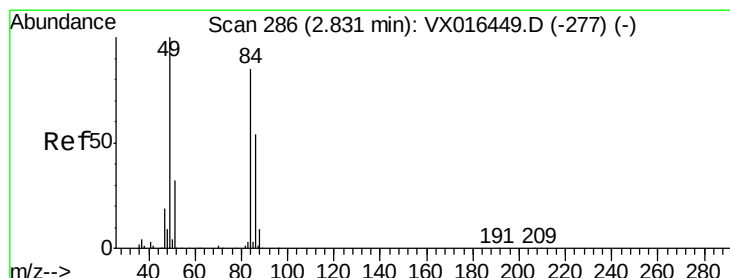
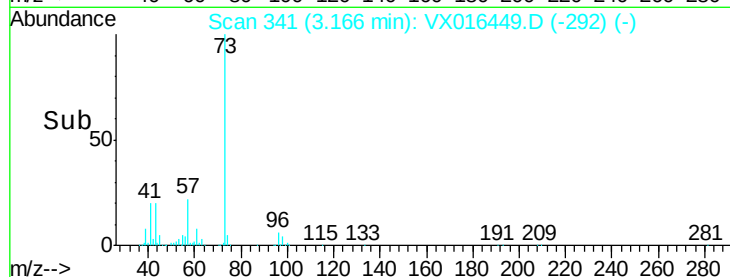
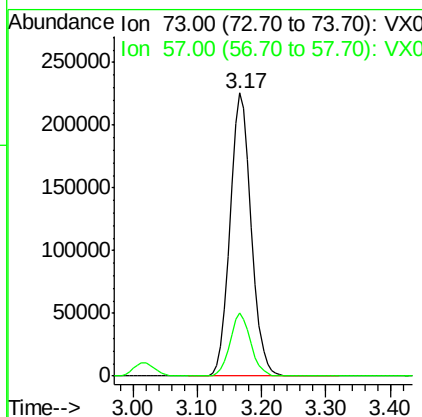
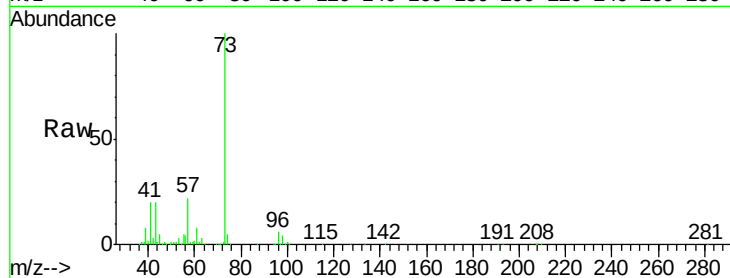
#19
Methyl tert-butyl Ether
Concen: 50.301 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.6

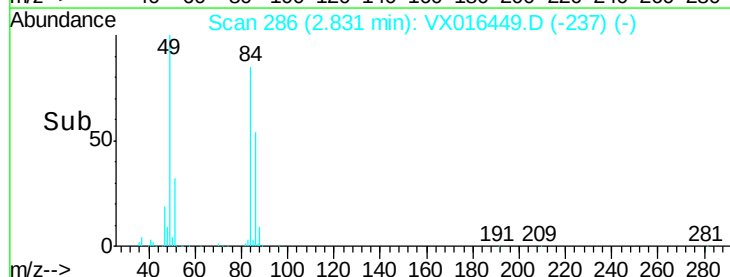
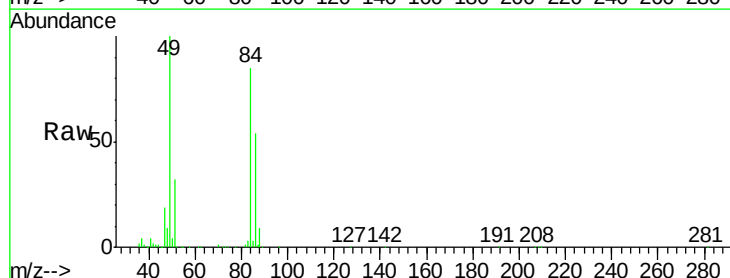
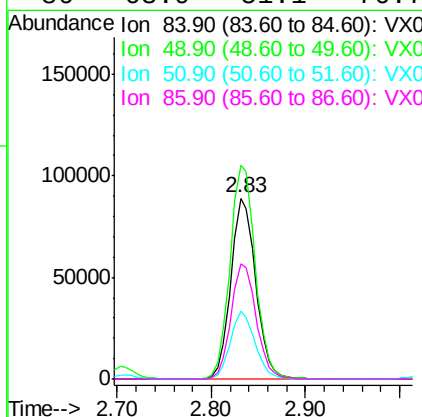
Manual Integrations
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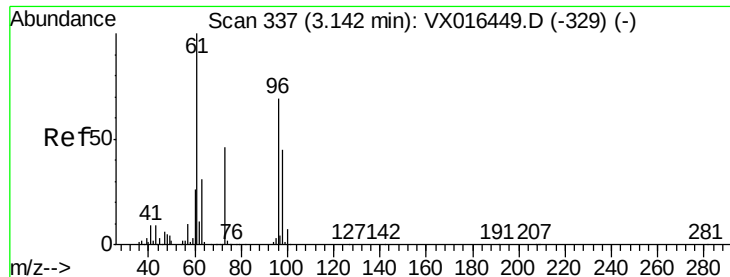
MMDadoda
5/28/2020 2:10:24 PM



#20
Methylene Chloride
Concen: 46.948 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.1	94.5	141.7
51	37.8	30.2	45.4
86	63.9	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 46.923 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 156678

Ion Ratio Lower Upper

96 100

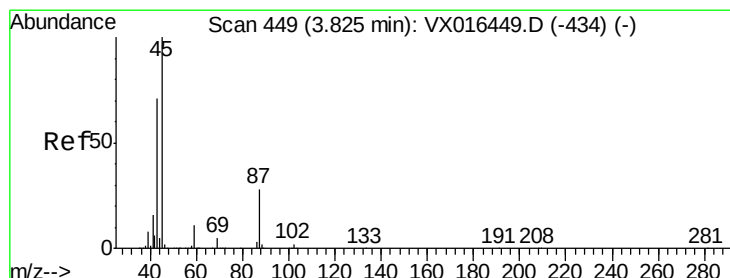
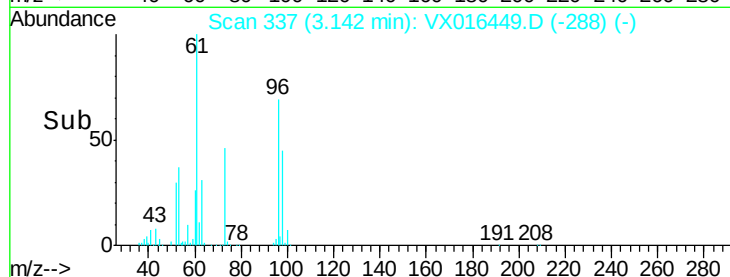
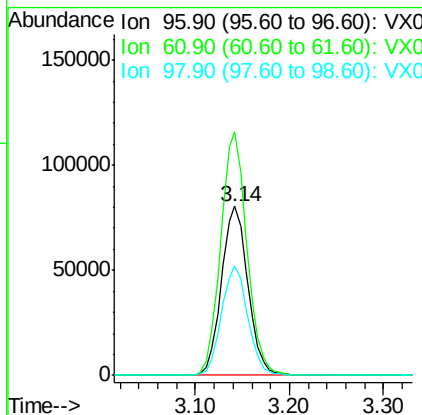
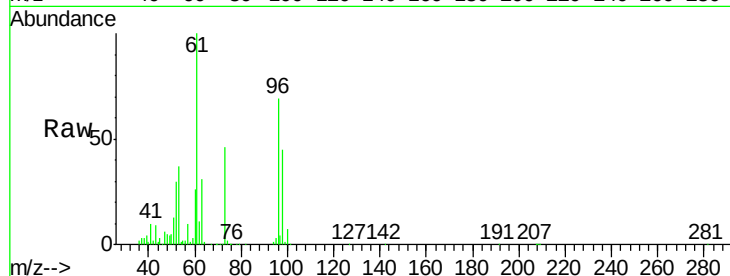
61 144.1 115.3 172.9

98 64.9 51.9 77.9

Manual Integrations
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5/28/2020 2:10:24 PM



#22

Diisopropyl ether

Concen: 49.813 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tgt Ion: 45 Resp: 517957

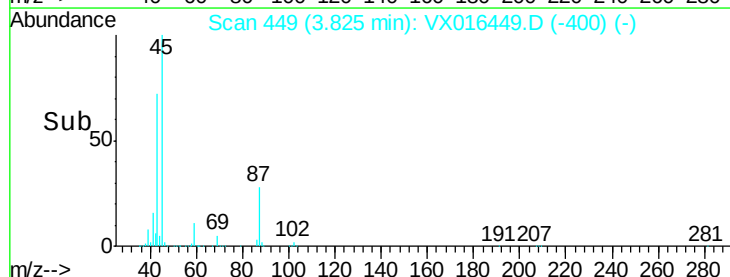
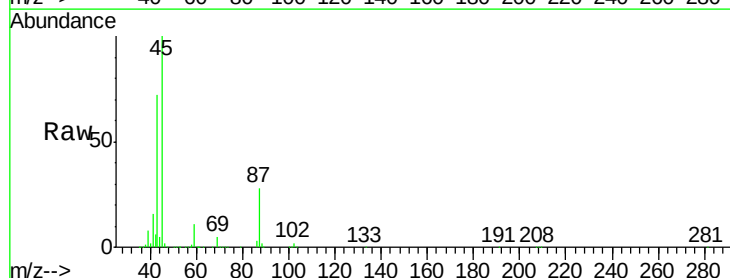
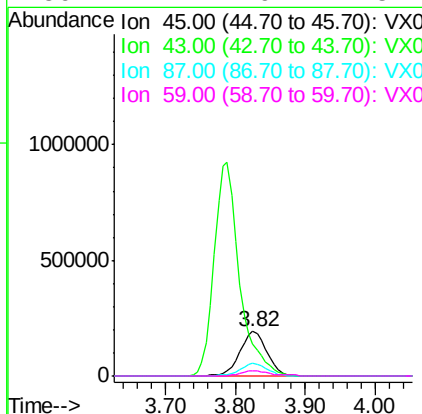
Ion Ratio Lower Upper

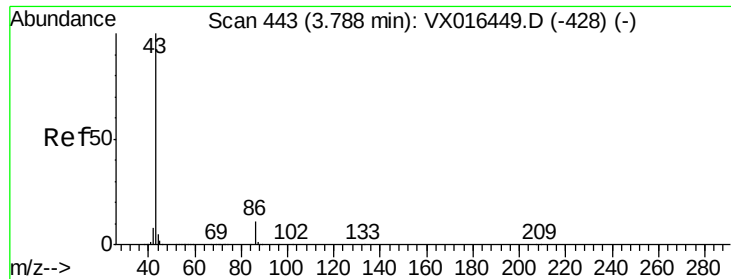
45 100

43 71.3 57.0 85.6

87 28.1 22.5 33.7

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 254.473 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 2324947

Ion Ratio Lower Upper

43 100

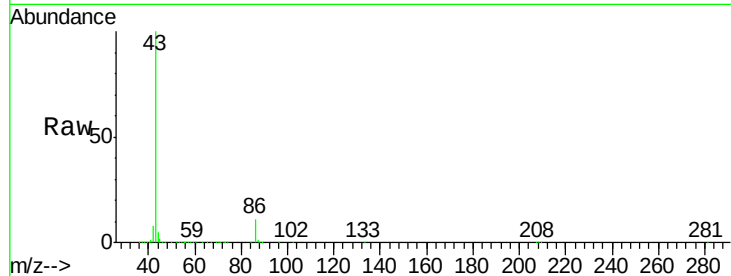
86 10.8 8.6 13.0

Manual Integrations

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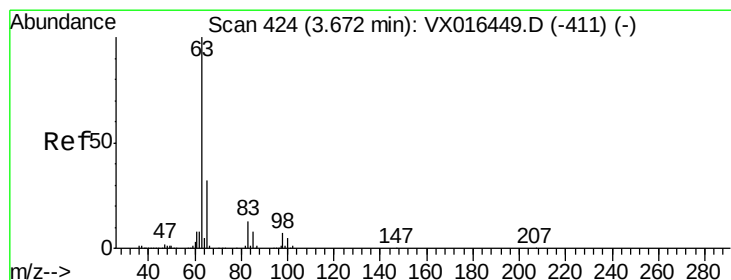
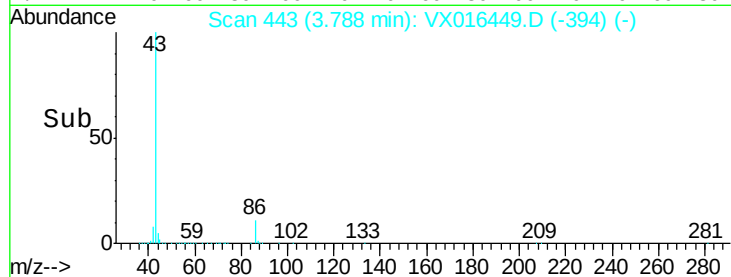
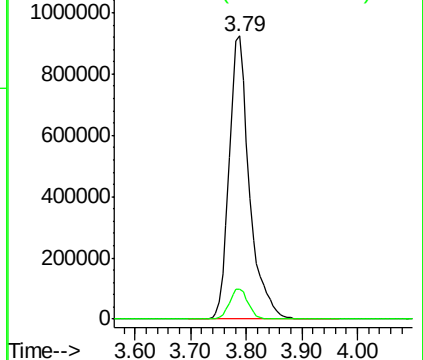
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.659 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

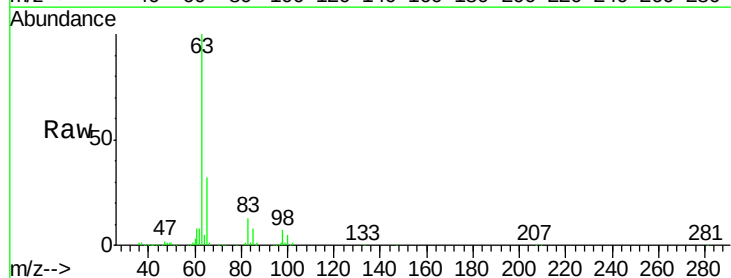
Tgt Ion: 63 Resp: 288706

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

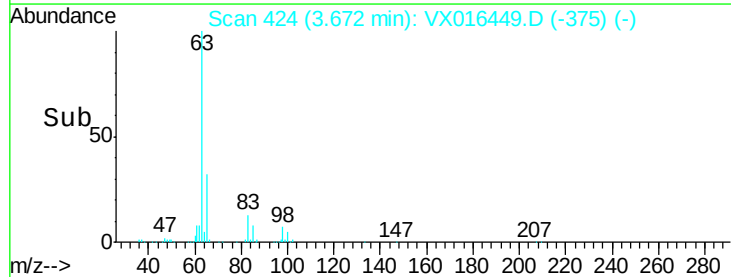
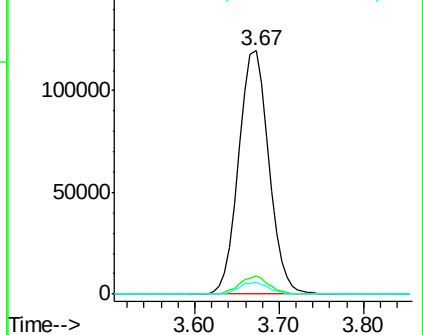
100 4.7 2.4 7.1

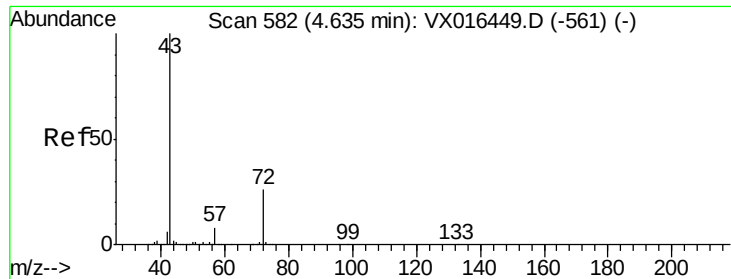


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 258.396 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 708696

Ion Ratio Lower Upper

43 100

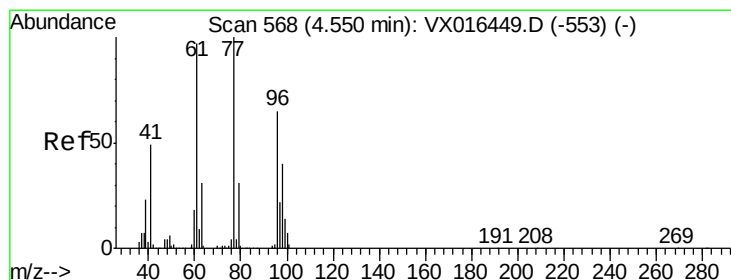
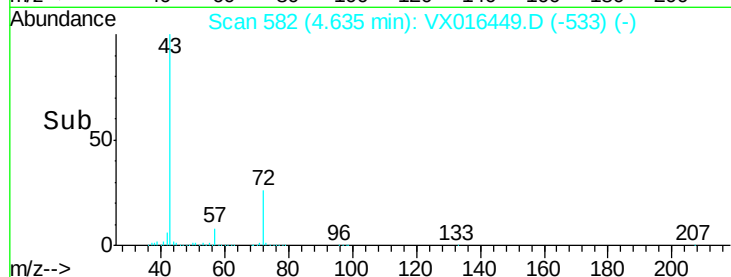
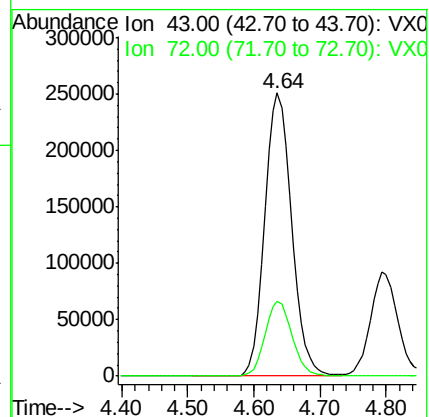
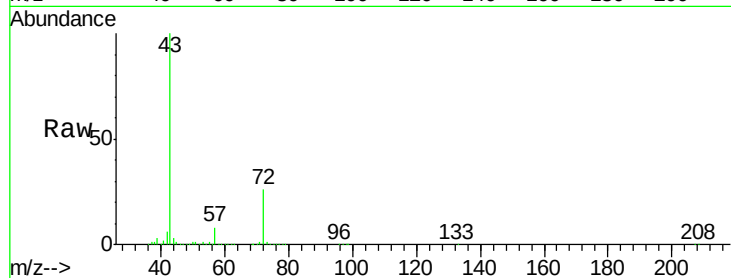
72 26.3 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.511 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX016449.D

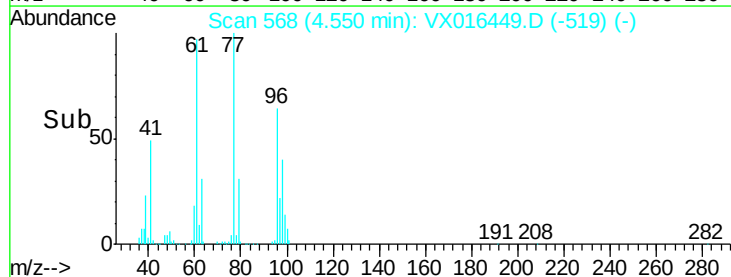
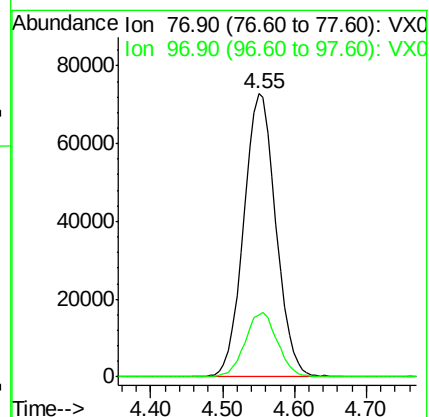
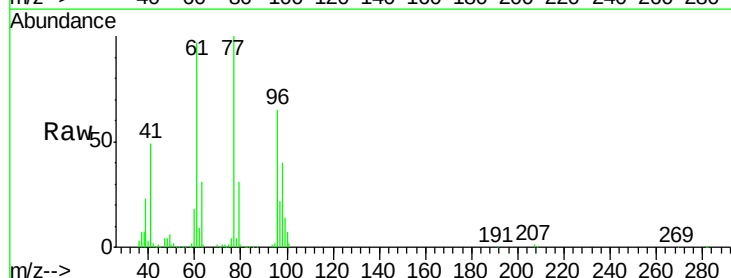
Acq: 27 May 2020 15:27

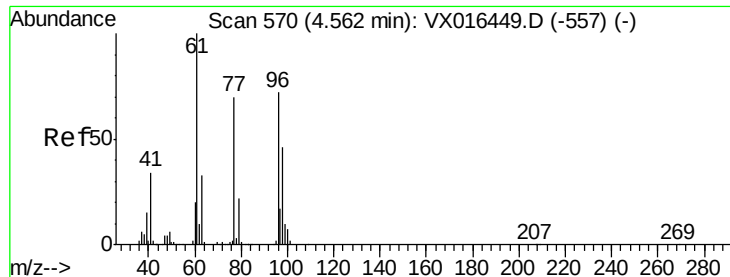
Tgt Ion: 77 Resp: 226186

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4





#27

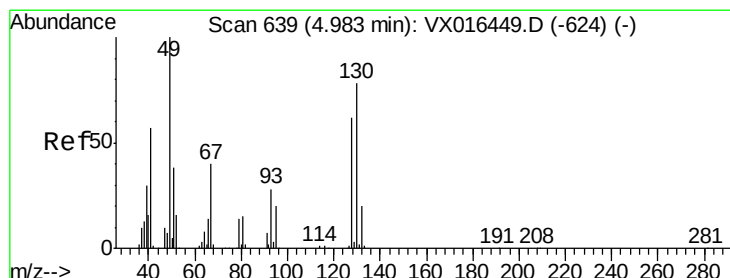
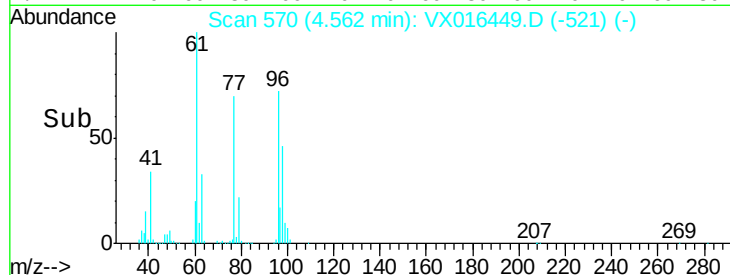
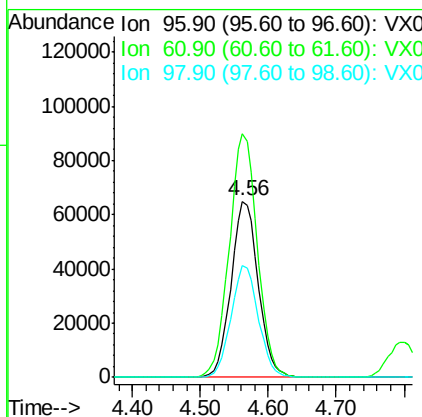
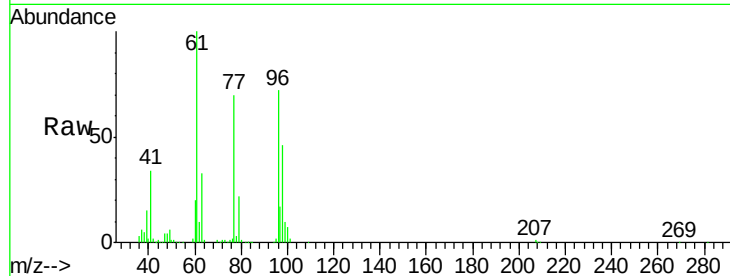
cis-1,2-Dichloroethene
 Concen: 49.324 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	180506		
61	142.3	0.0	284.6	
98	63.6	0.0	127.2	

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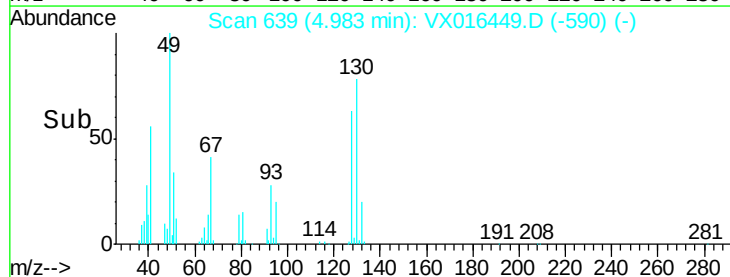
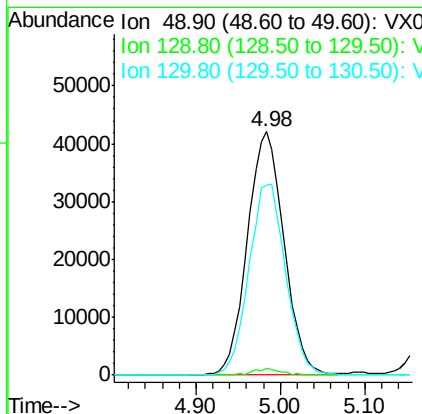
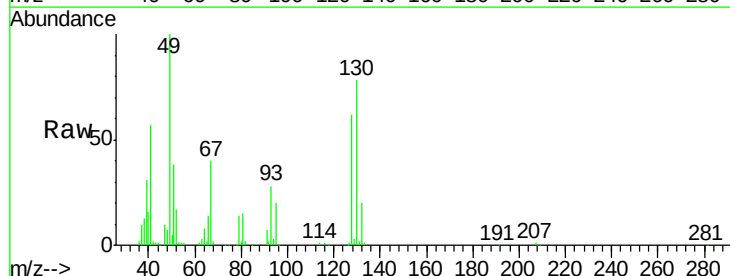
MMDadoda
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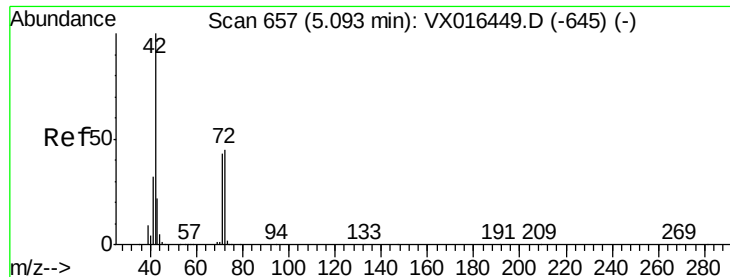


#28

Bromochloromethane
 Concen: 47.311 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124889		
129	2.0	0.0	4.0	
130	78.7	63.0	94.4	





#29

Tetrahydrofuran

Concen: 254.621 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

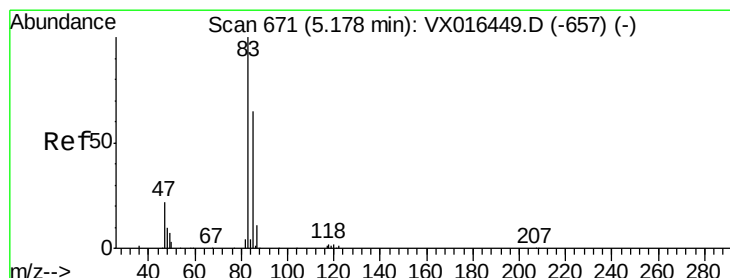
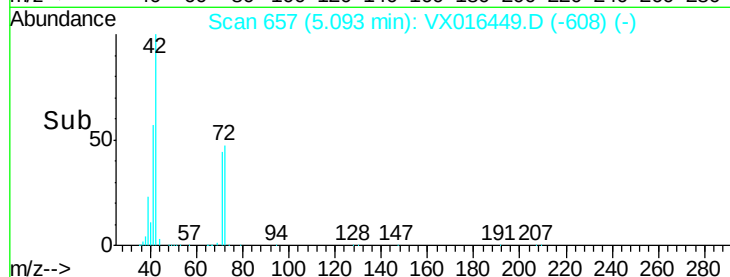
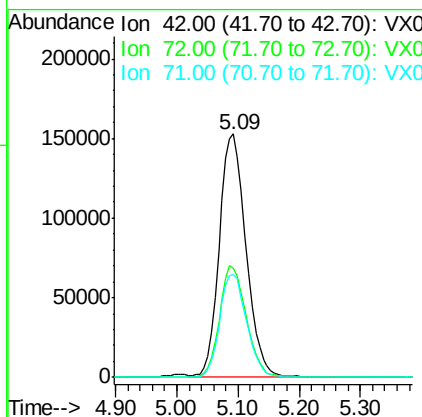
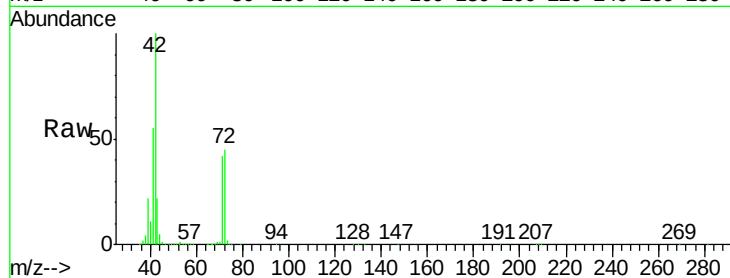
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	462132
Ion Ratio		Lower	Upper
42	100		
72	46.2	37.0	55.4
71	42.6	34.1	51.1

Manual Integrations
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#30

Chloroform

Concen: 49.873 ug/l

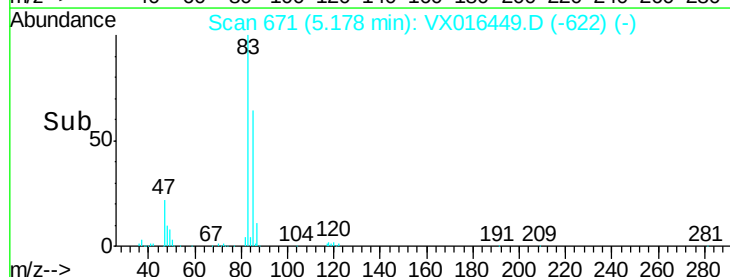
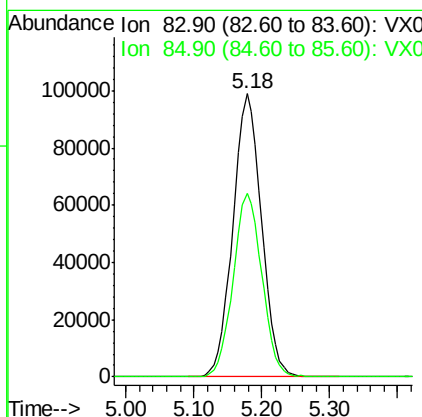
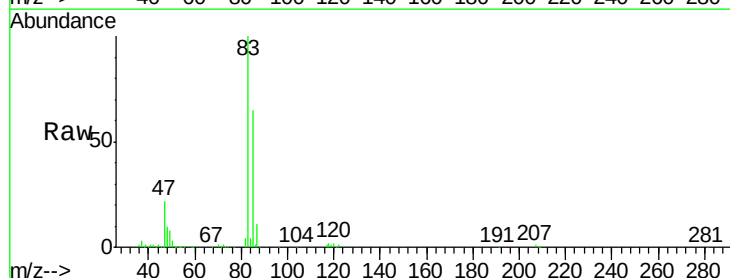
RT: 5.18 min Scan# 671

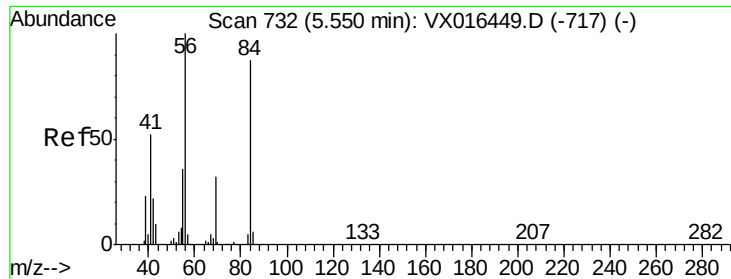
Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tgt Ion:	83	Resp:	288548
Ion Ratio		Lower	Upper
83	100		
85	65.0	52.0	78.0





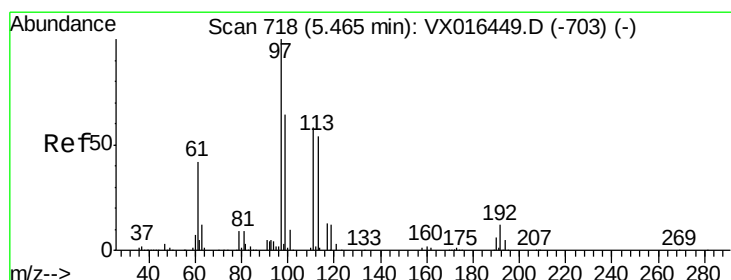
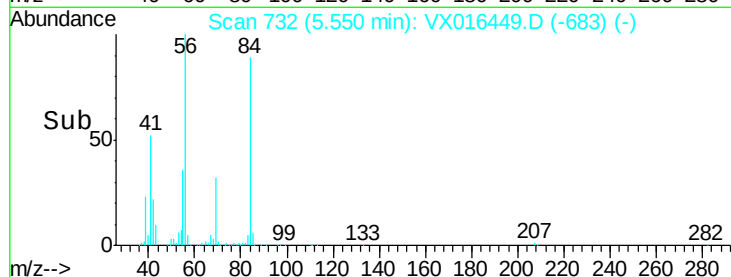
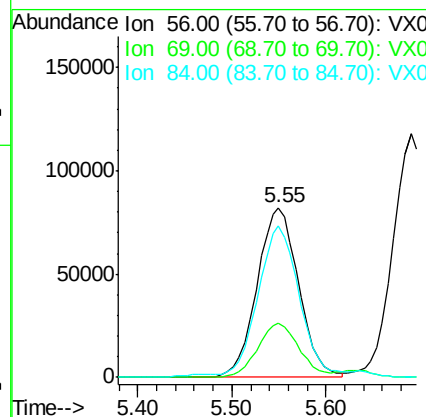
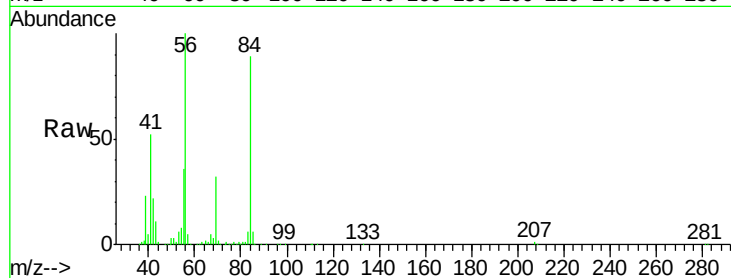
#31
Cyclohexane
Concen: 48.473 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.7	38.5
84	87.5	70.0	105.0

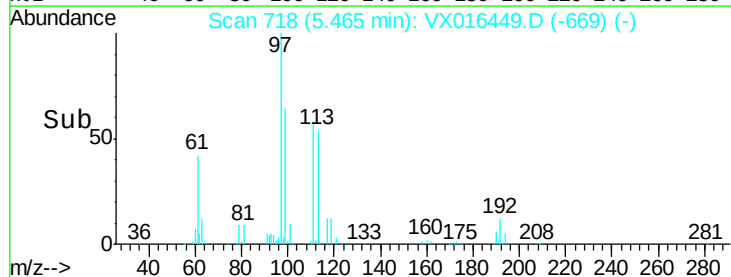
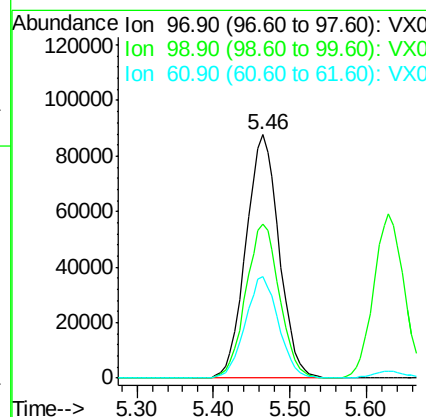
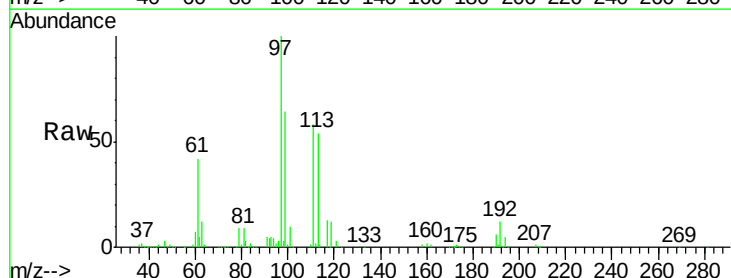
Manual Integrations
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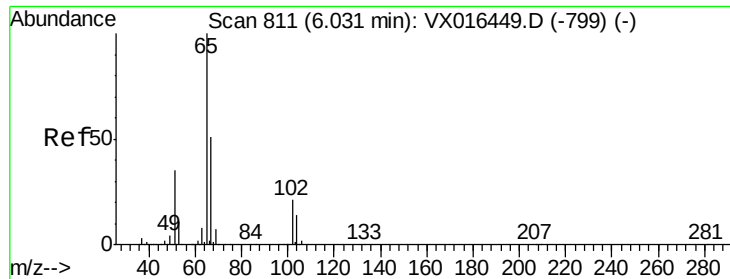
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.053 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	41.9	33.5	50.3





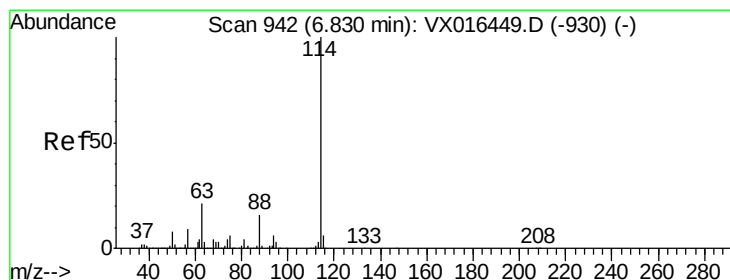
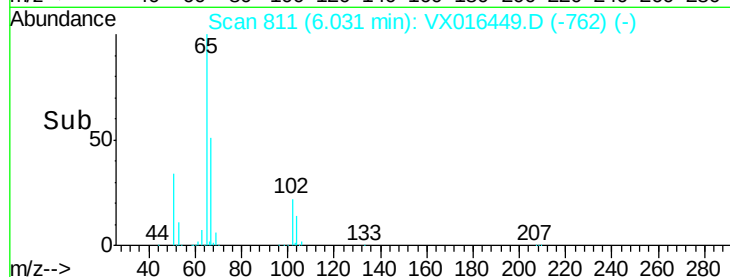
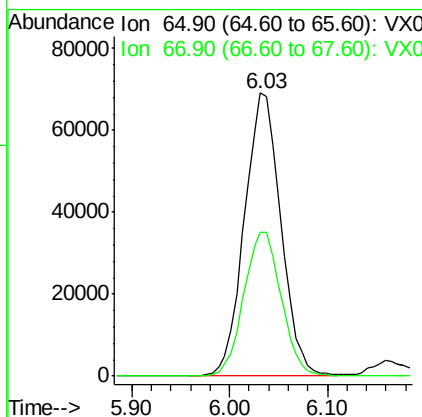
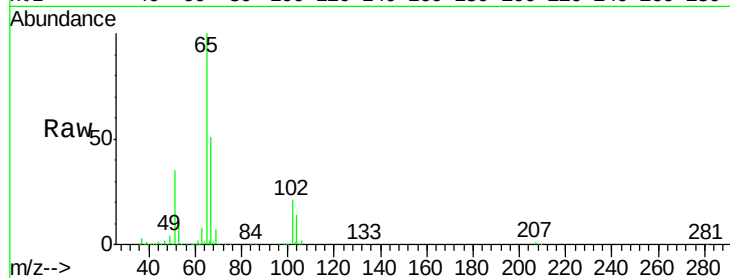
#33
 1,2-Dichloroethane-d4
 Concen: 47.033 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178977		
67	52.4	0.0	104.8	

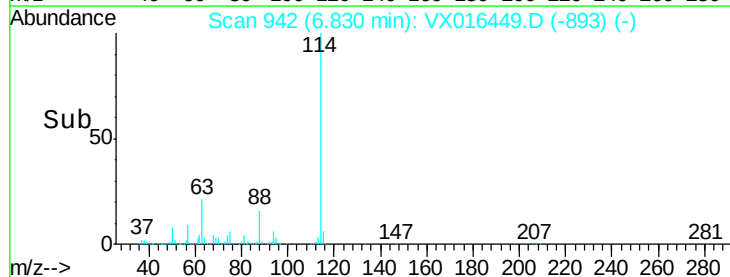
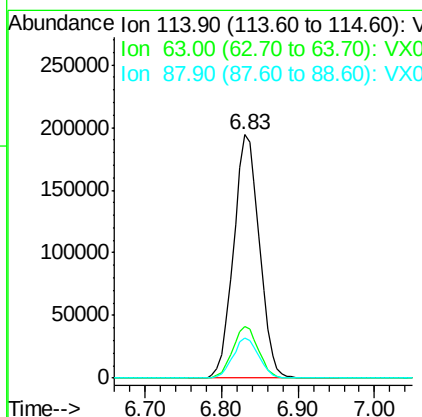
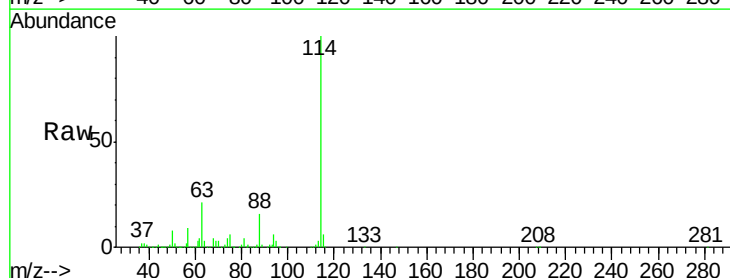
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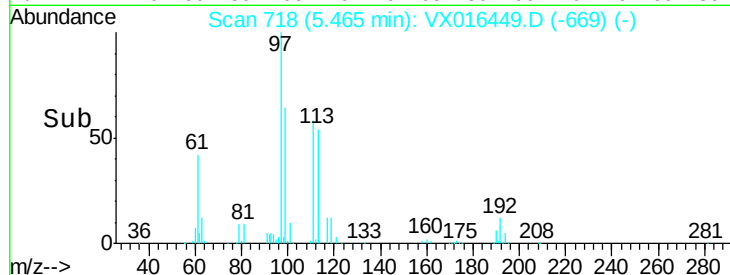
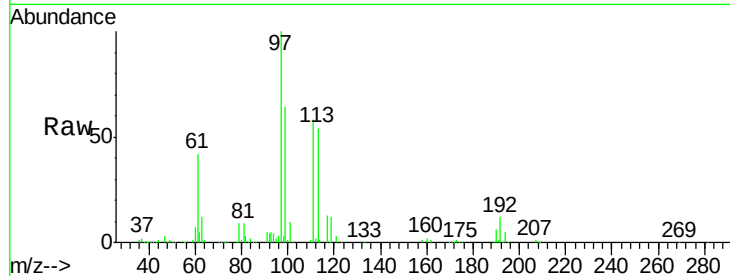
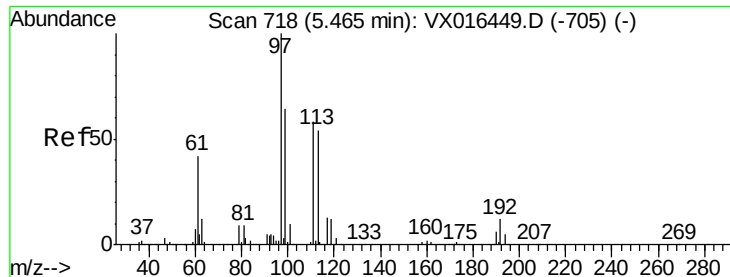
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 5/28/2020 2:10:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	453585		
63	21.3	0.0	42.6	
88	16.4	0.0	32.8	





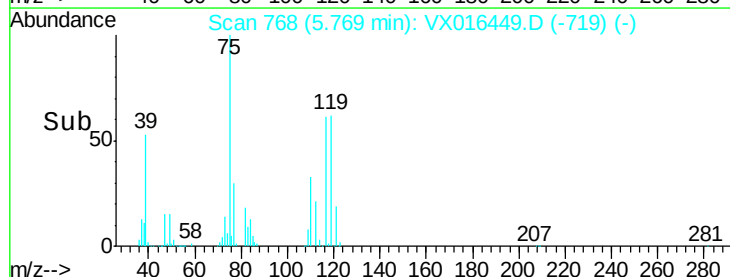
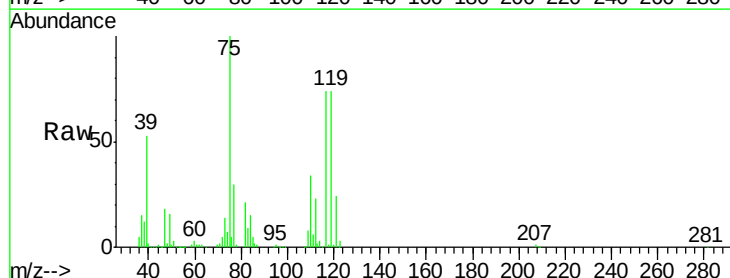
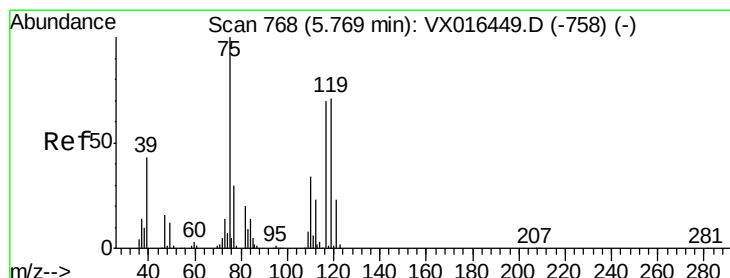
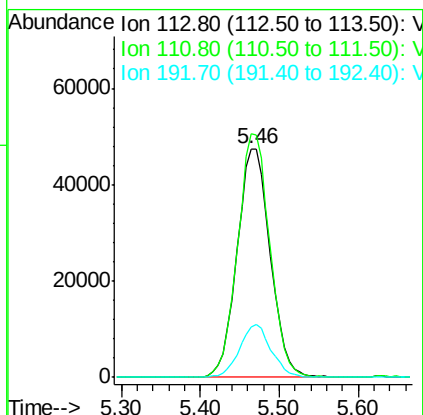
#35
Dibromofluoromethane
Concen: 47.957 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138368		
111	103.8	83.0	124.6	
192	22.1	17.7	26.5	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

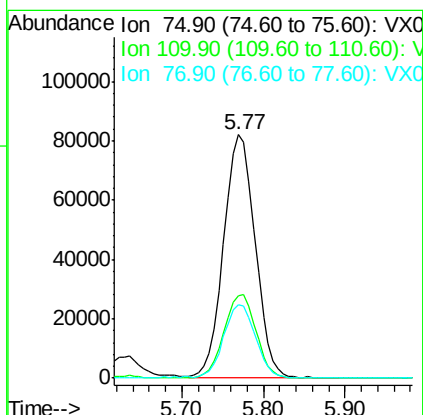
Manual Integrations
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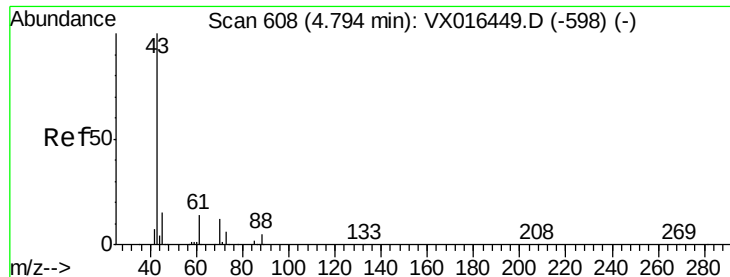
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.060 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	219493		
110	34.9	17.4	52.3	
77	30.3	24.2	36.4	





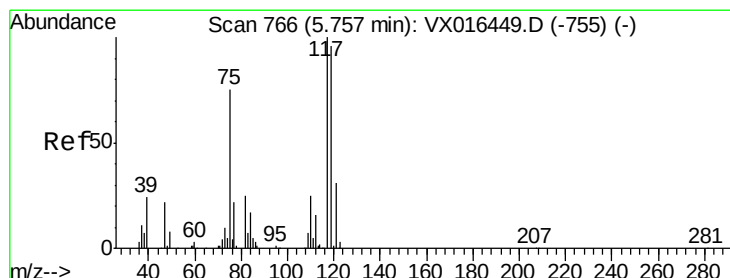
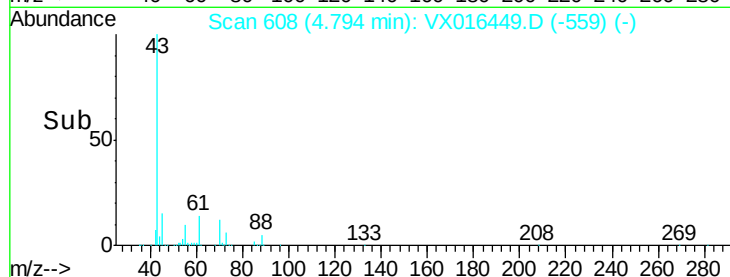
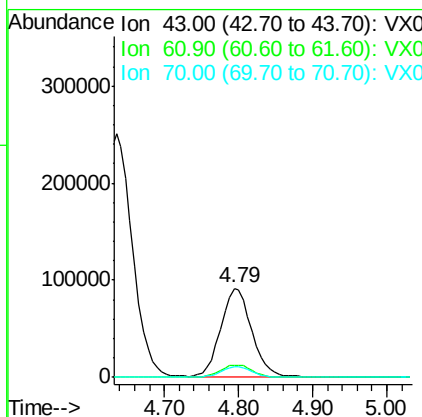
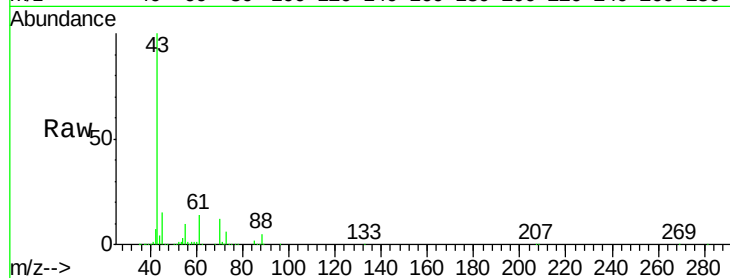
#37
Ethyl Acetate
Concen: 51.170 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	265758
Ion Ratio	Lower	Upper	
43	100		
61	14.1	11.3	16.9
70	11.6	9.3	13.9

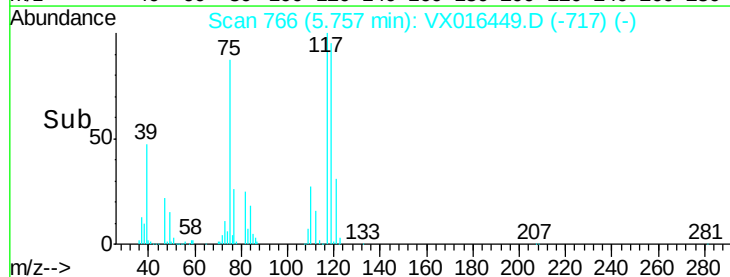
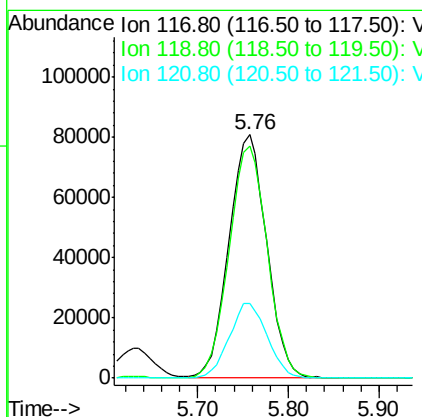
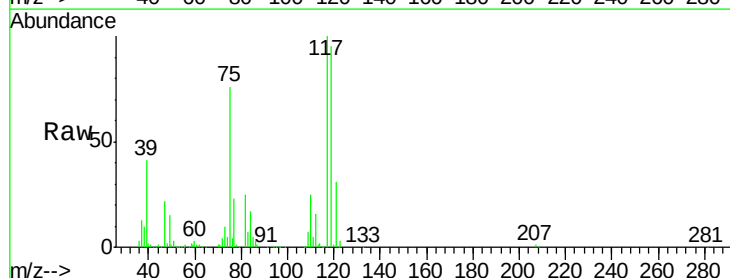
Manual Integrations
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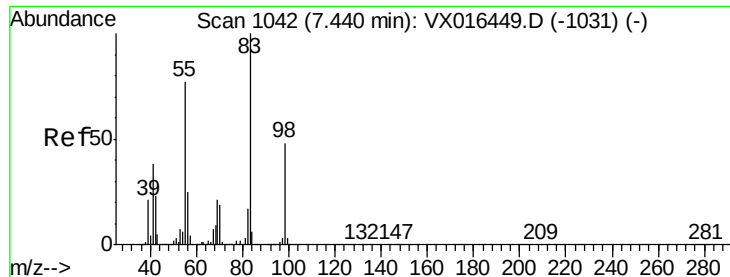
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.970 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	117	Resp	232530
Ion Ratio	Lower	Upper	
117	100		
119	95.4	76.3	114.5
121	30.8	24.6	37.0





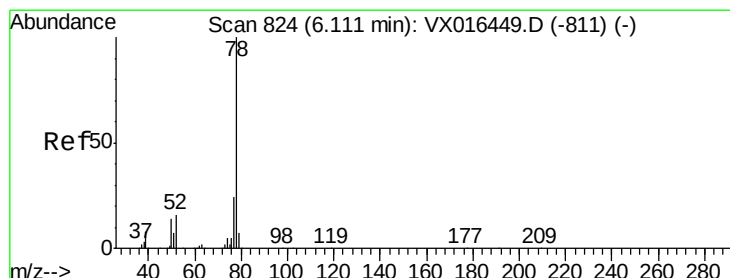
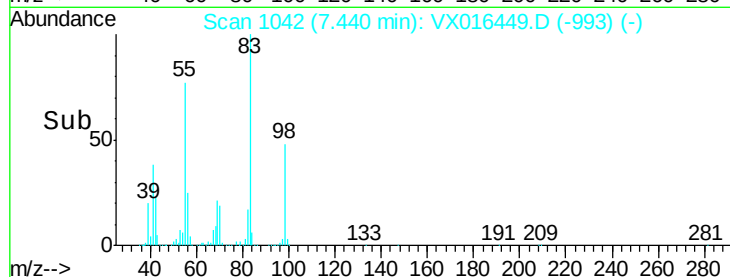
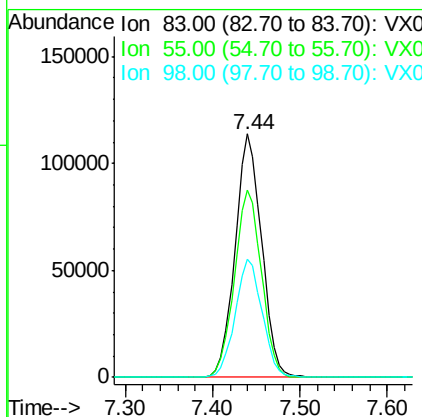
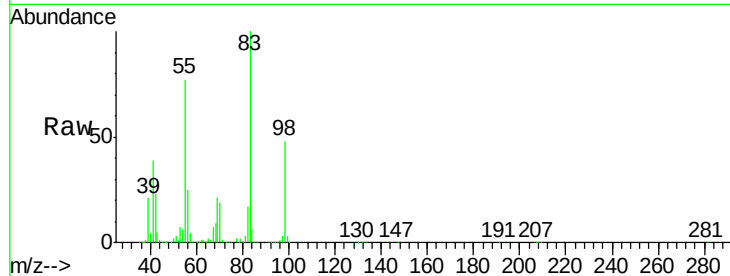
#39
Methylvlcyclohexane
Concen: 45.387 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.7	92.5
98	48.4	38.7	58.1

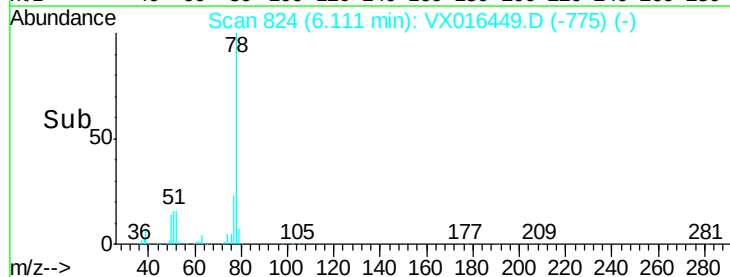
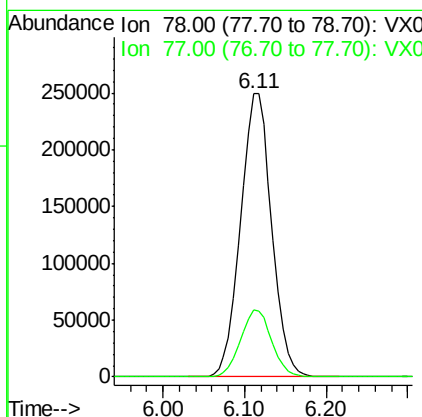
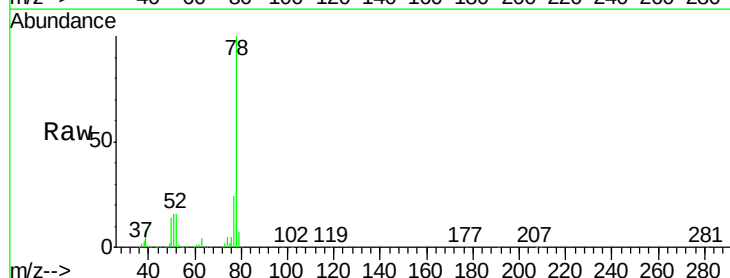
Manual Integrations
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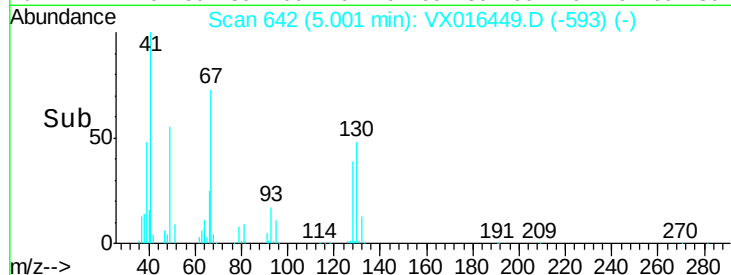
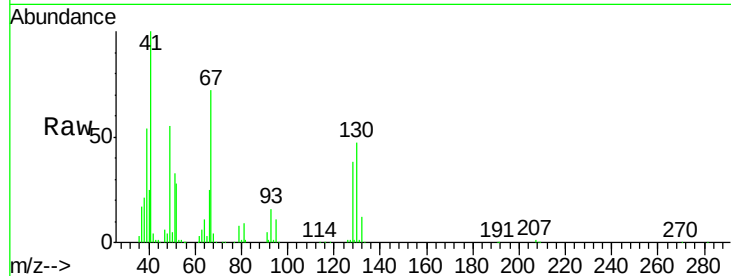
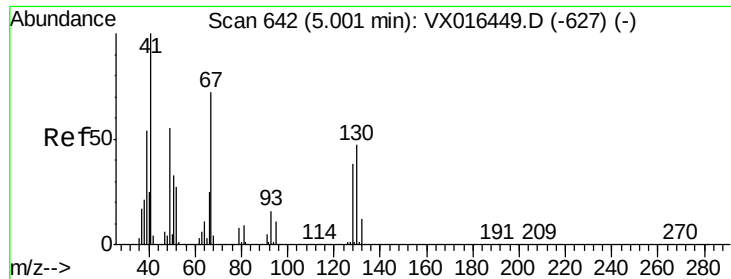
MMDadoda
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#40
Benzene
Concen: 50.239 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

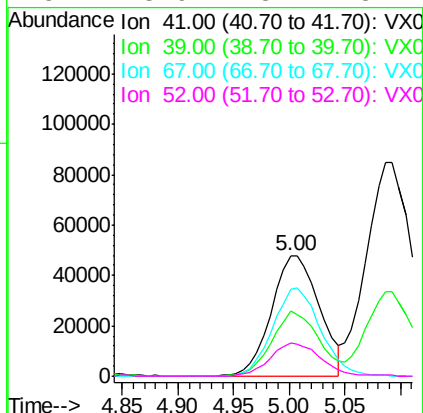
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





#41
Methacrylonitrile
Concen: 50.884 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

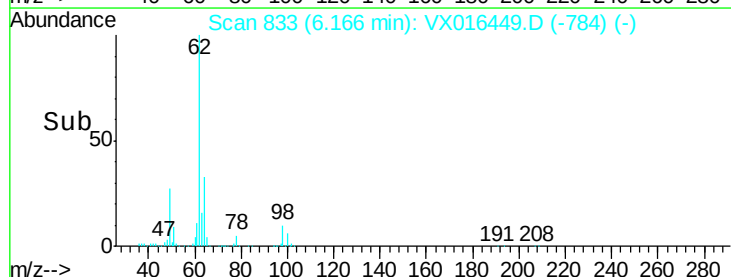
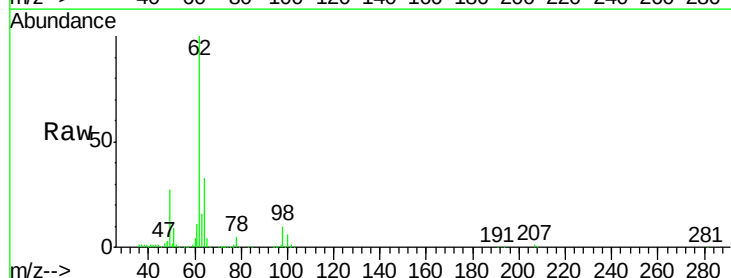
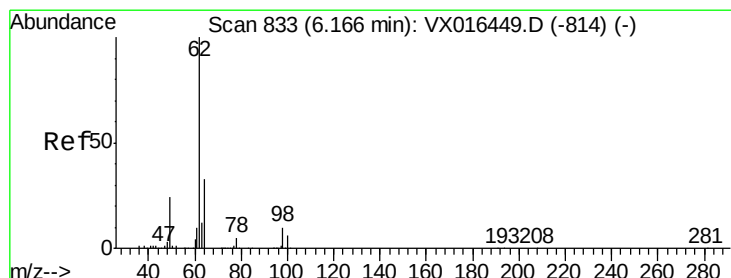
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.7	43.0	64.4		
67	73.6	58.9	88.3		
52	28.9	23.1	34.7		



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

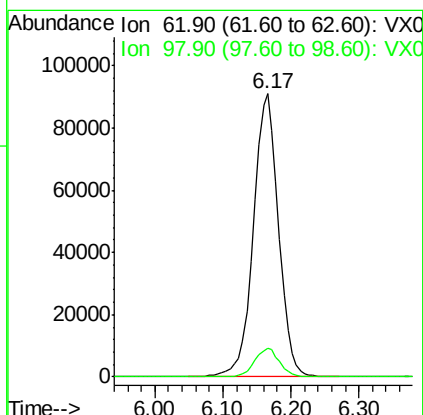
Manual Integrations
APPROVED

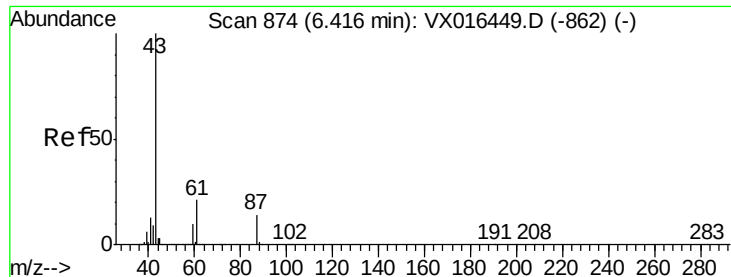
MMDadoda
5/28/2020 2:10:24 PM



#42
1,2-Dichloroethane
Concen: 49.774 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.9	0.0	19.8		





#43

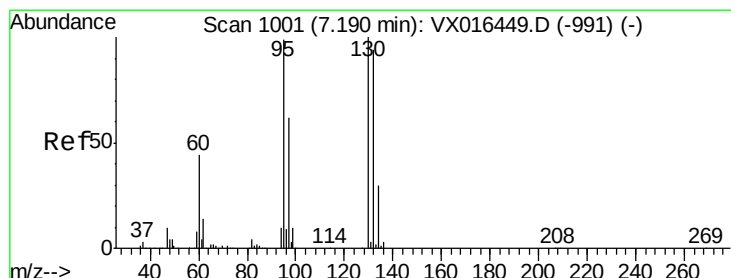
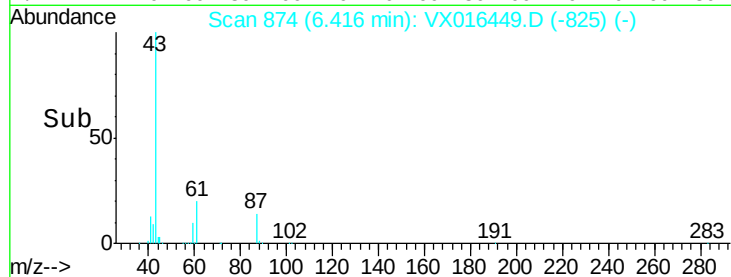
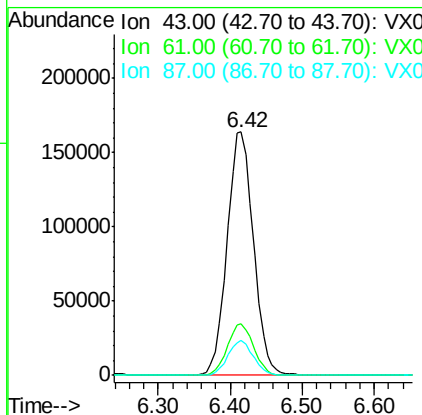
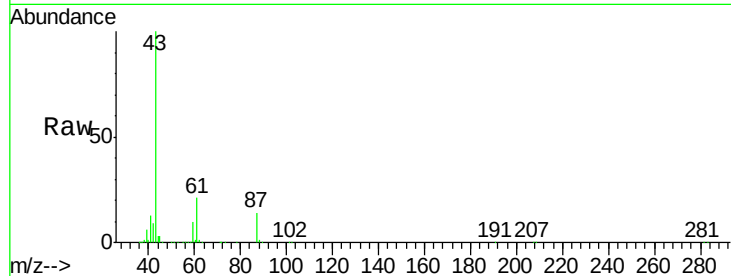
Isopropyl Acetate
 Concen: 50.274 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.8	25.2
87	14.0	11.2	16.8

Manual Integrations
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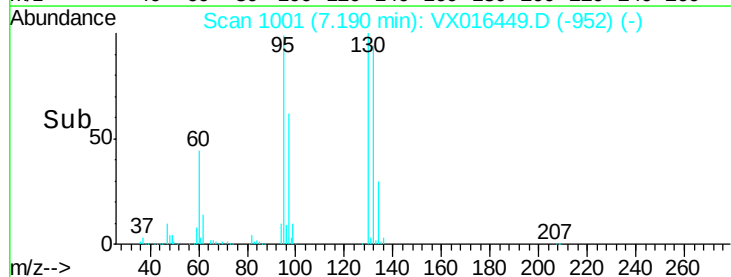
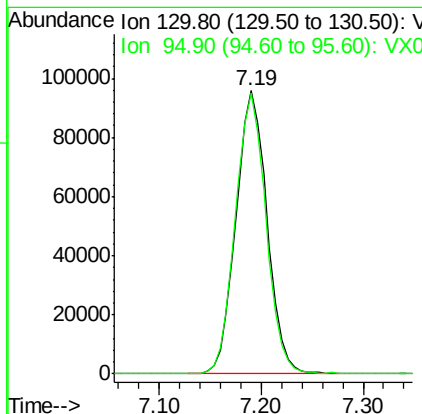
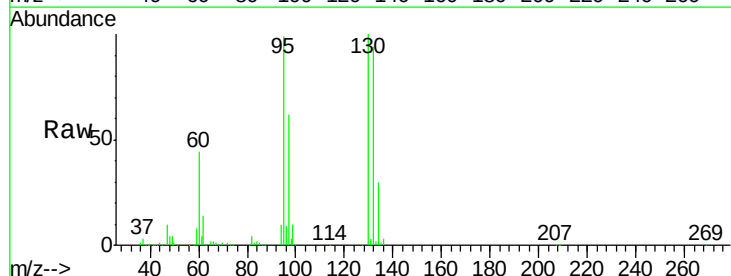
MMDadoda
 5/28/2020 2:10:24 PM

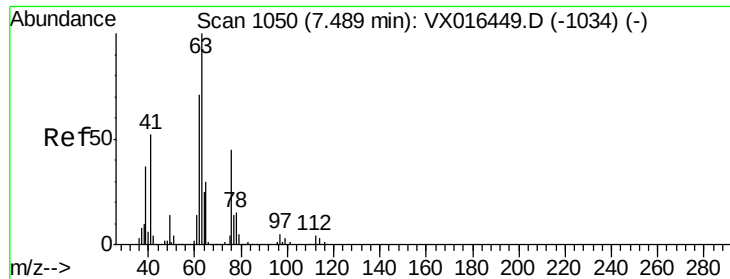


#44

Trichloroethene
 Concen: 44.282 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	198.2





#45

1,2-Dichloropropane

Concen: 50.669 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 167944

Ion Ratio Lower Upper

63 100

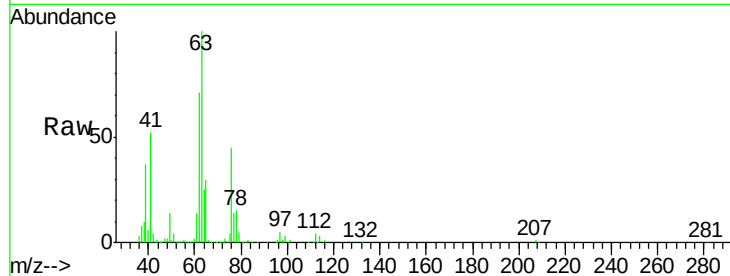
65 30.2 24.2 36.2

Manual Integrations

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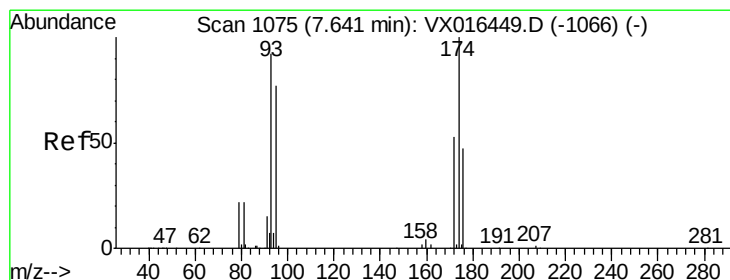
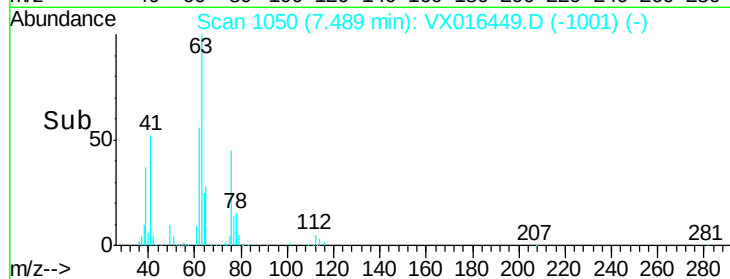
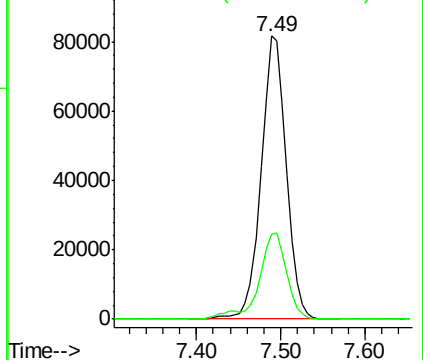
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.794 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

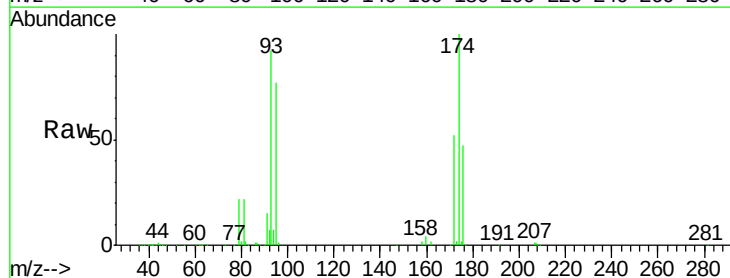
Tgt Ion: 93 Resp: 112143

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

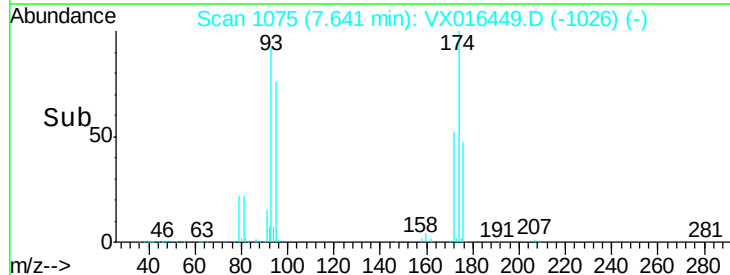
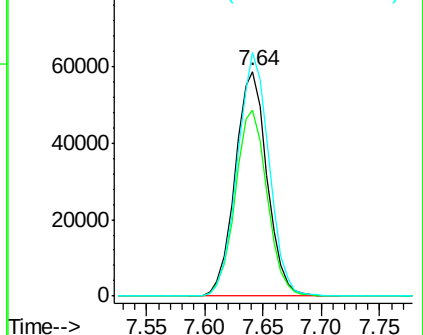
174 107.8 86.2 129.4

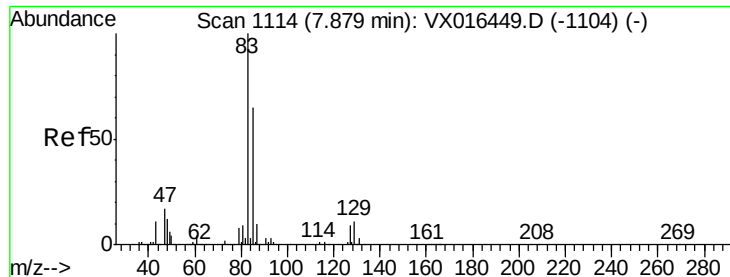


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.261 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

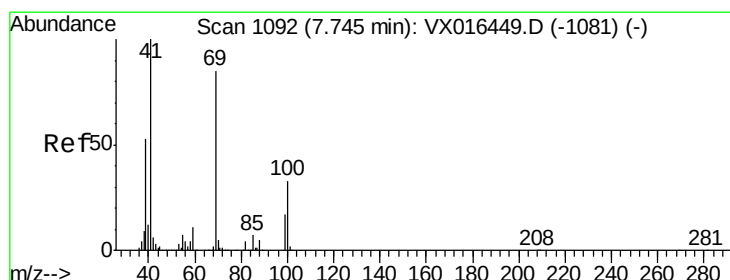
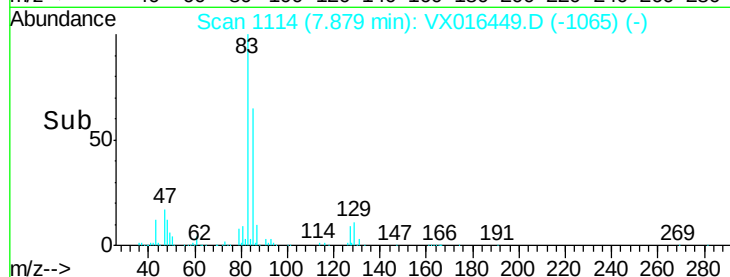
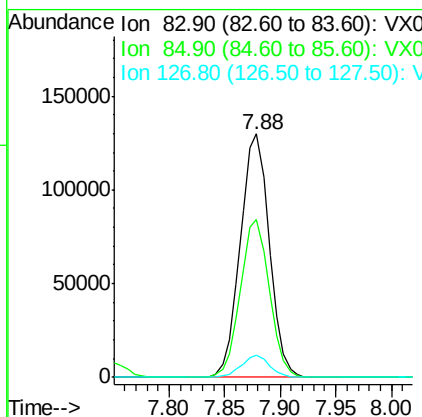
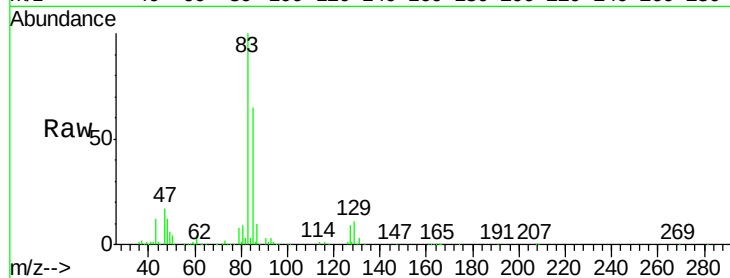
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	235236
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.0	78.0
127	9.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.358 ug/l

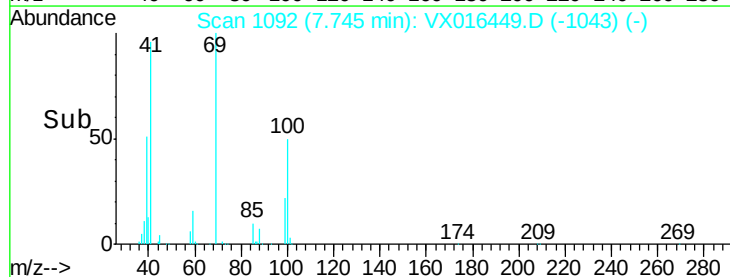
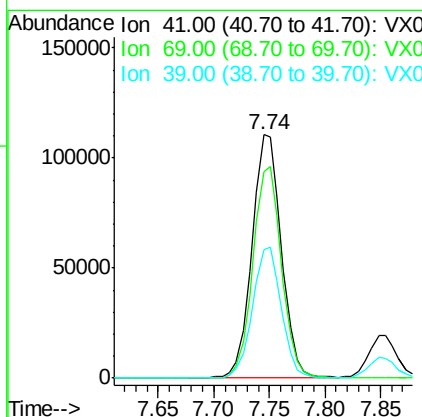
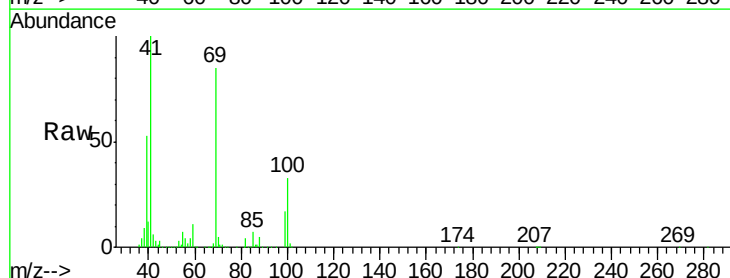
RT: 7.74 min Scan# 1092

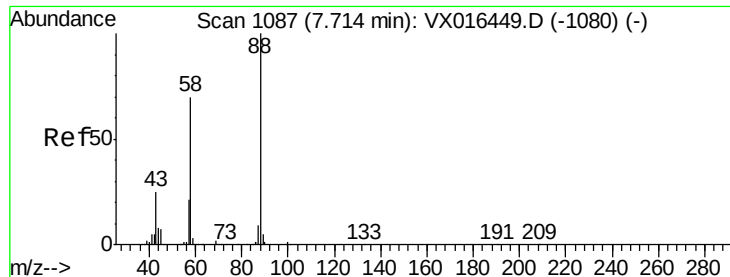
Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tgt Ion:	41	Resp:	201777
Ion Ratio	Lower	Upper	
41	100		
69	85.7	68.6	102.8
39	53.0	42.4	63.6





#49

1,4-Dioxane

Concen: 1004.566 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

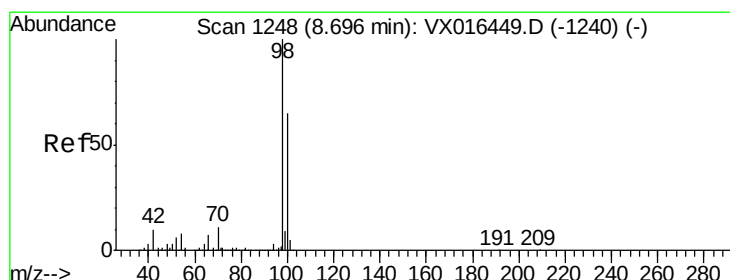
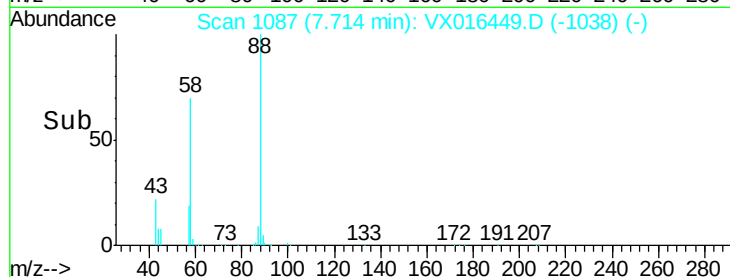
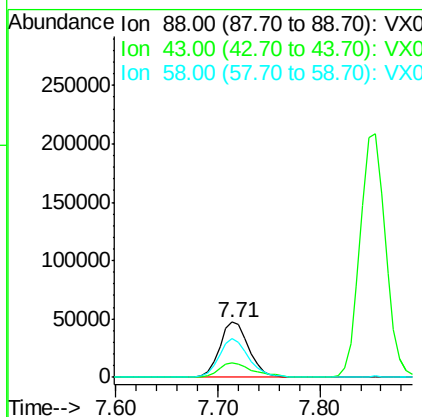
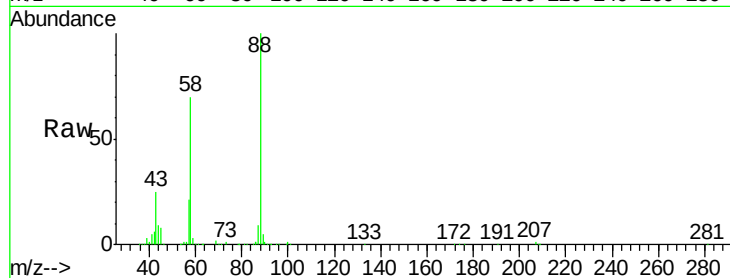
ClientSampleId :

VSTDICCC050

Tot Ion:	88	Resp:	94386
Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.2	36.4
58	70.6	56.5	84.7

Manual Integrations
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#50

Toluene-d8

Concen: 49.103 ug/l

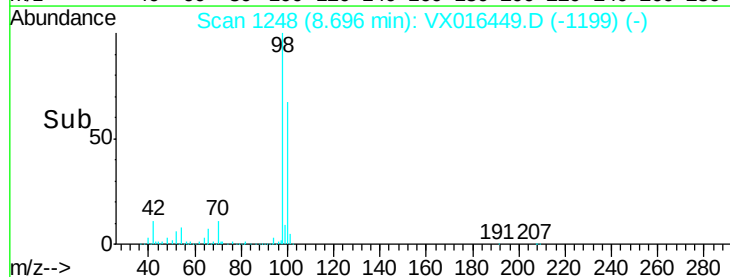
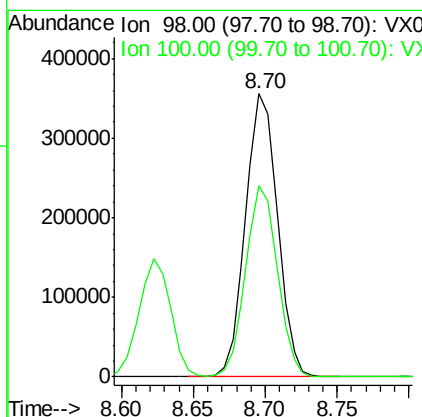
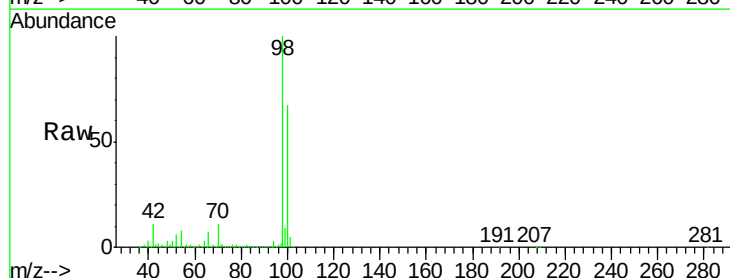
RT: 8.70 min Scan# 1248

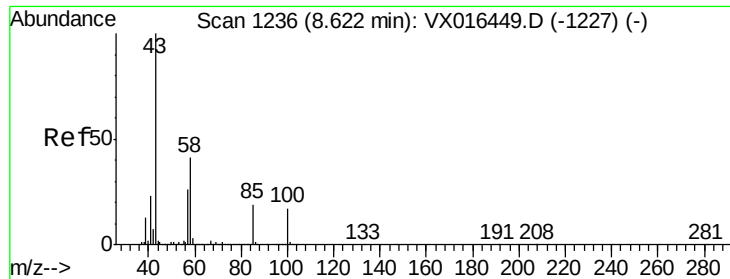
Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tgt Ion:	98	Resp:	547397
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.8	80.6





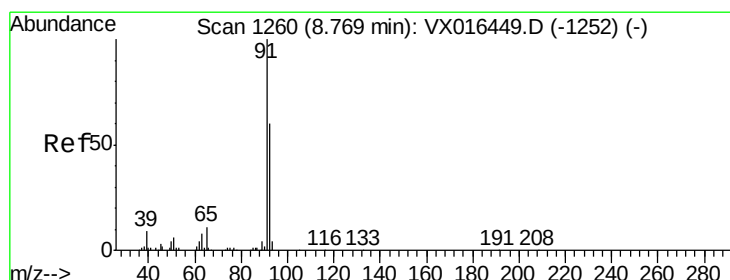
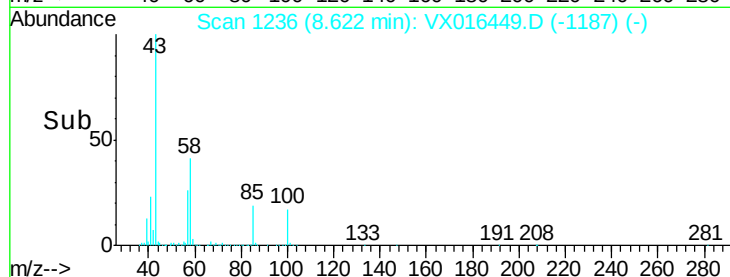
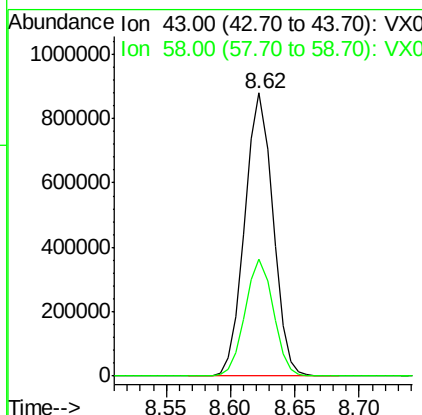
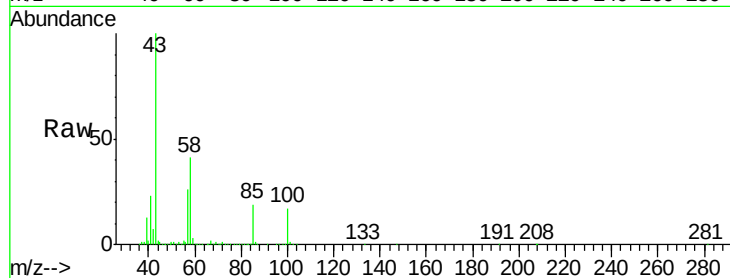
#51
 4-Methyl-2-Pentanone
 Concen: 262.773 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1333405
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.0 49.6

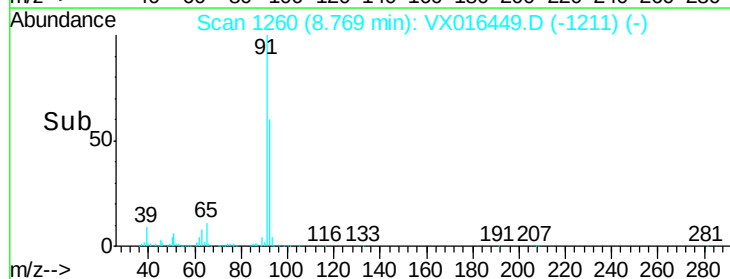
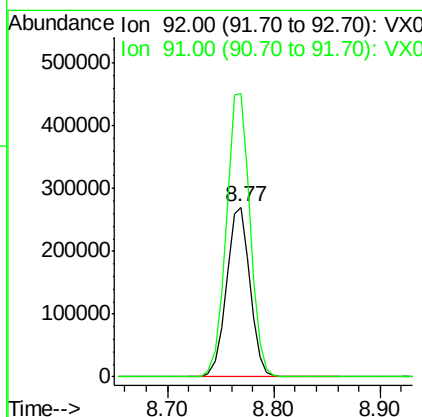
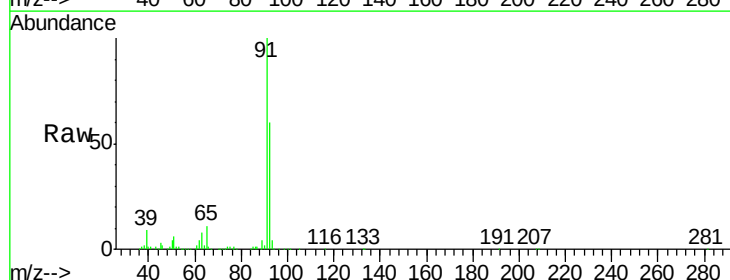
Manual Integrations
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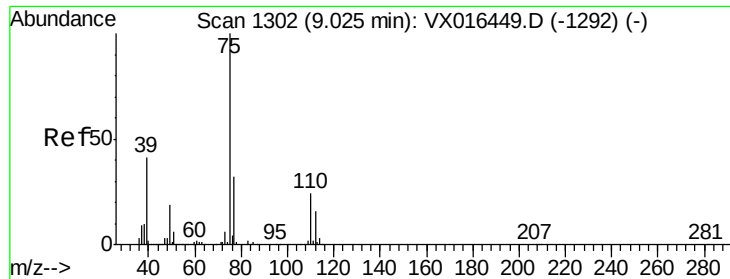
MMDadoda
 5/28/2020 2:10:24 PM



#52
 Toluene
 Concen: 51.046 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion: 92 Resp: 417387
 Ion Ratio Lower Upper
 92 100
 91 168.7 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 49.428 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tot Ion: 75 Resp: 269480

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

Instrument :

MSVOA_X

ClientSampleId :

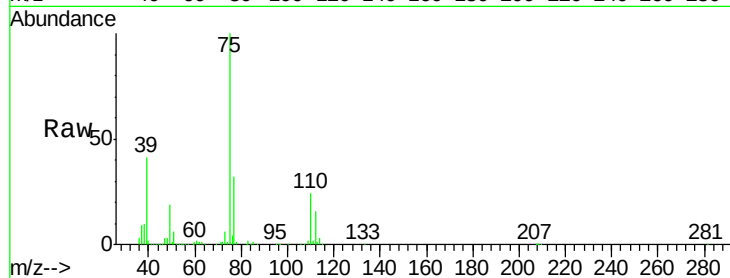
VSTDICCC050

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

200000

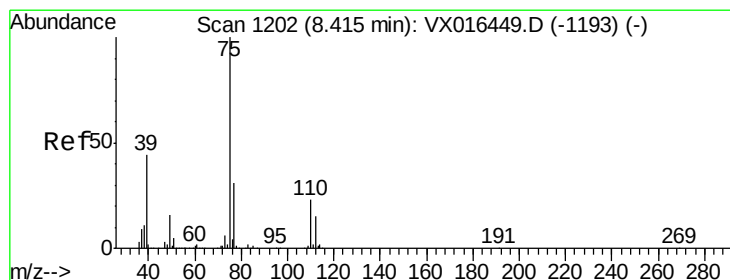
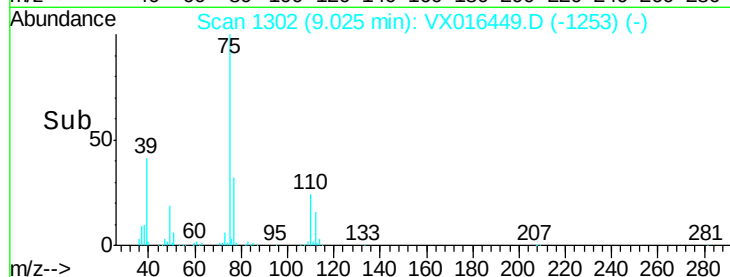
150000

100000

50000

0

Time--> 8.90 9.00 9.10



#54

cis-1,3-Dichloropropene

Concen: 49.826 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

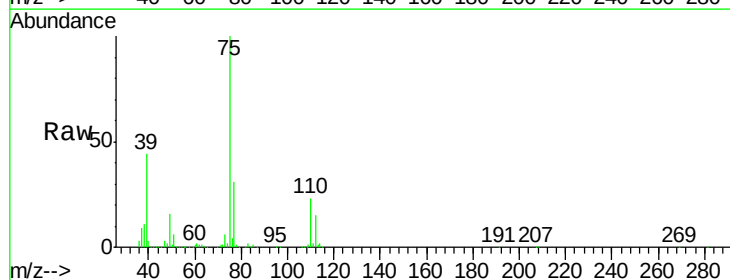
Tgt Ion: 75 Resp: 283933

Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

39 44.1 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

250000

200000

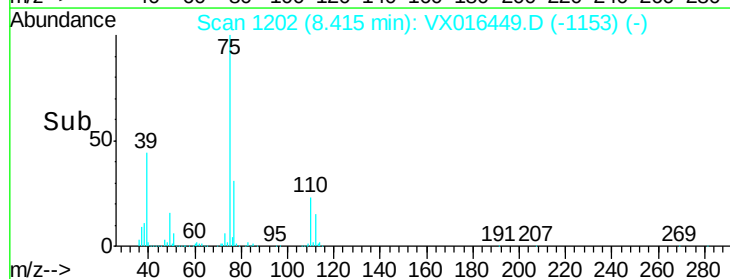
150000

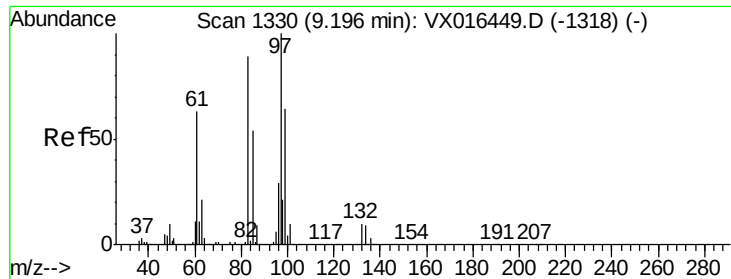
100000

50000

0

Time--> 8.30 8.35 8.40 8.45 8.50





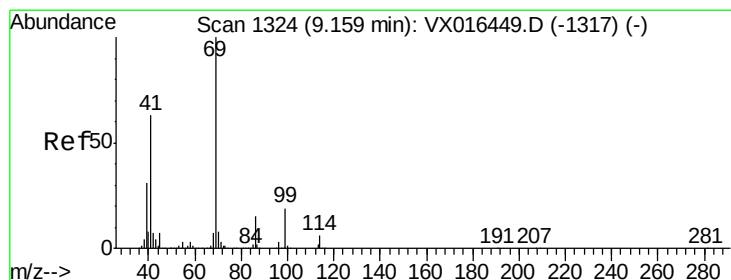
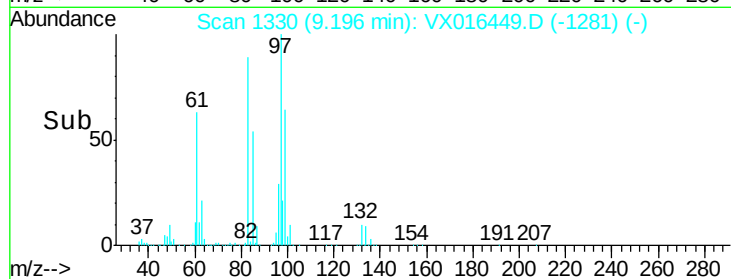
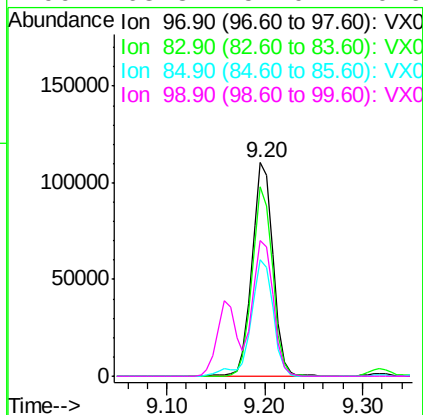
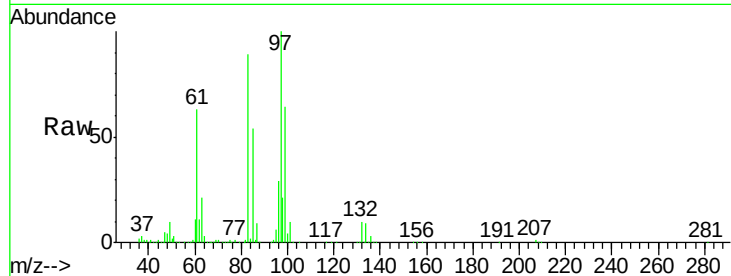
#55
 1,1,2-Trichloroethane
 Concen: 51.180 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	164487
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	54.3	43.4	65.2
99	63.8	51.0	76.6

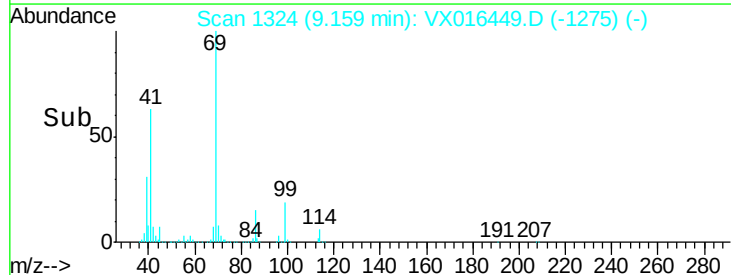
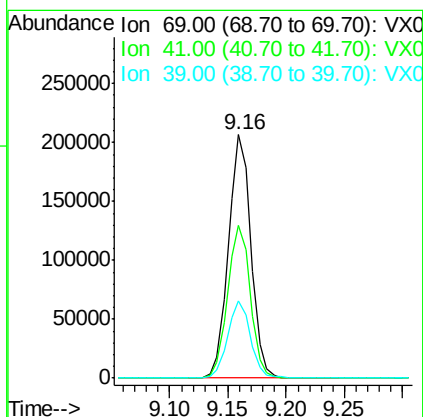
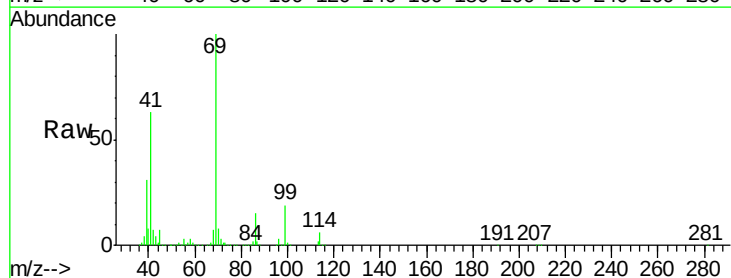
Manual Integrations
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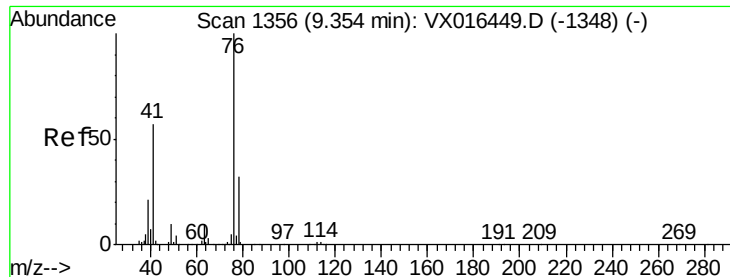
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#56
 Ethyl methacrylate
 Concen: 52.892 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion:	69	Resp:	278223
Ion	Ratio	Lower	Upper
69	100		
41	63.4	50.7	76.1
39	32.2	25.8	38.6





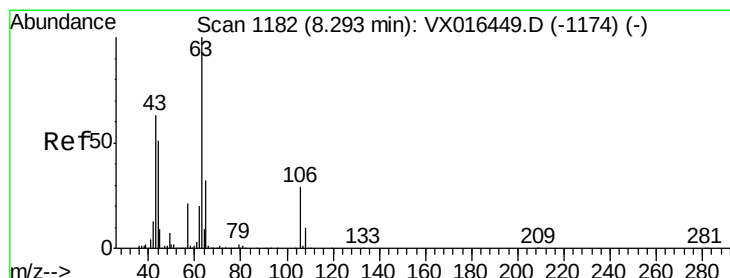
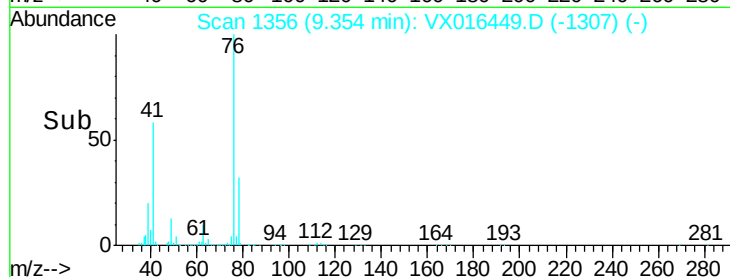
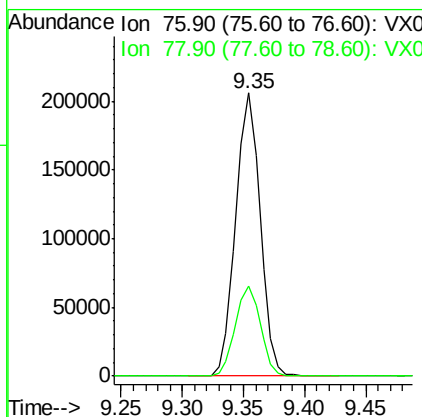
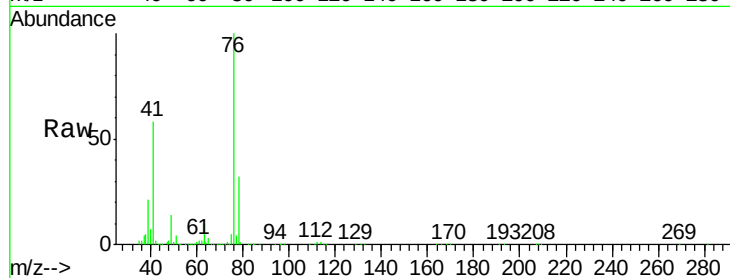
#57
 1,3-Dichloropropane
 Concen: 50.938 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

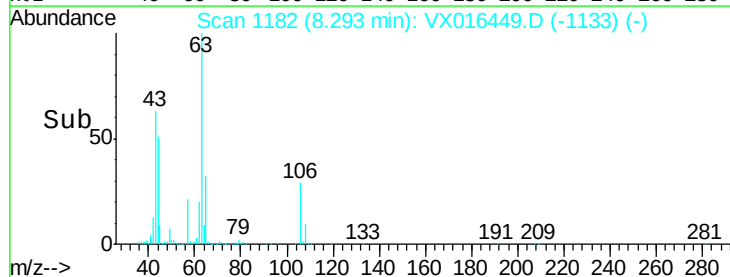
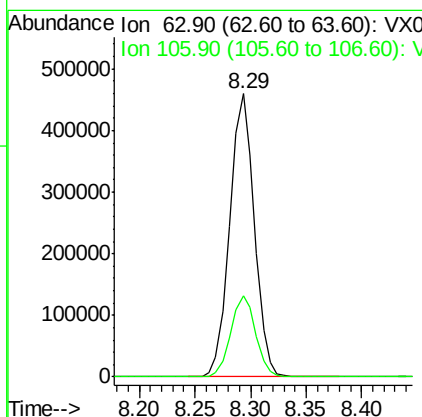
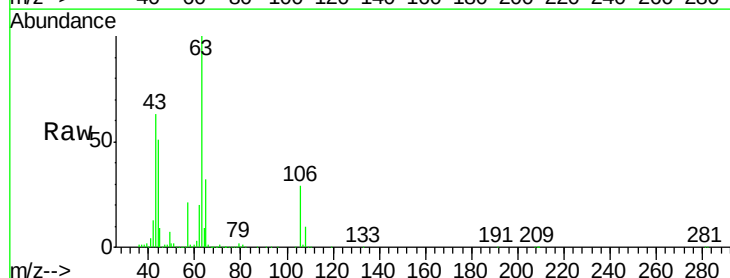
Manual Integrations
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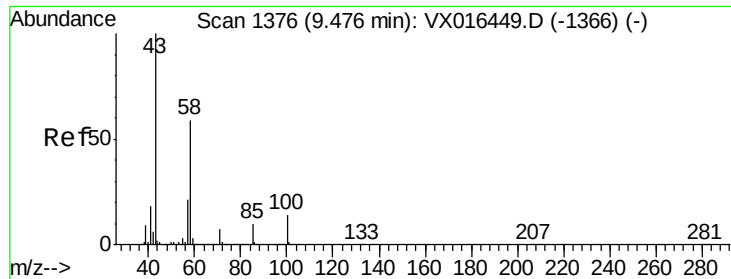
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#58
 2-Chloroethyl Vinyl ether
 Concen: 252.191 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.2	34.8





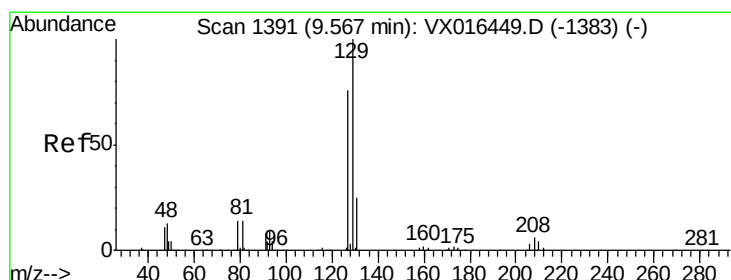
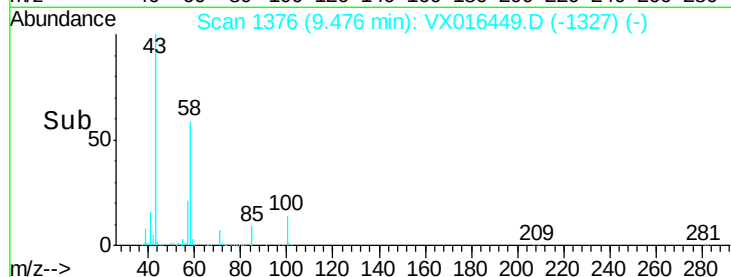
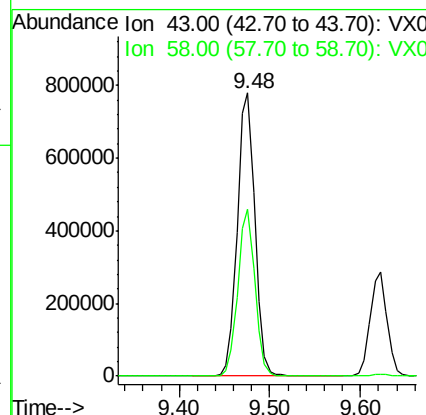
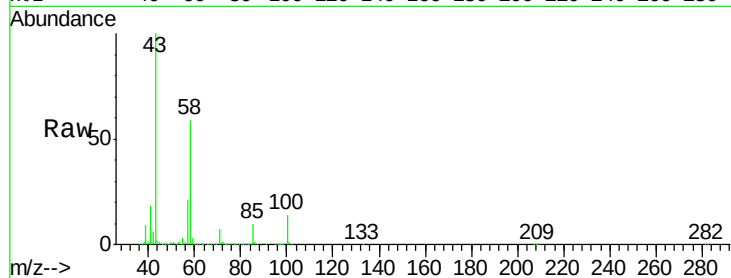
#59
2-Hexanone
Concen: 262.800 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1048837
Ion Ratio Lower Upper
43 100
58 57.6 28.8 86.4

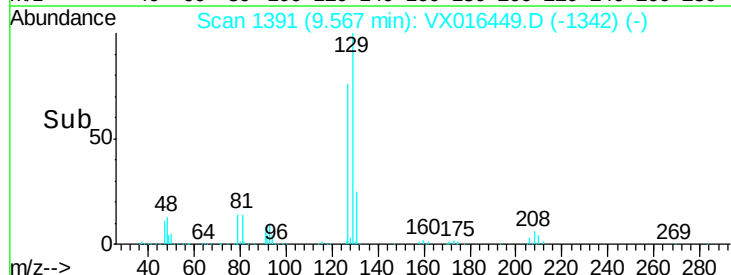
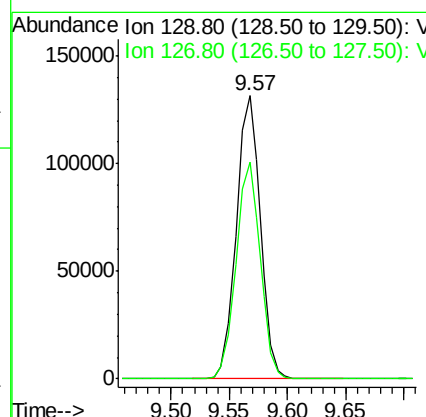
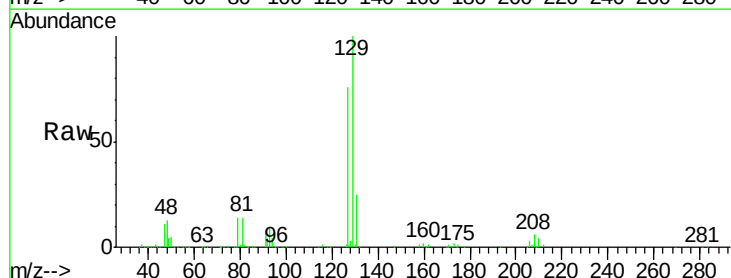
Manual Integrations
APPROVED

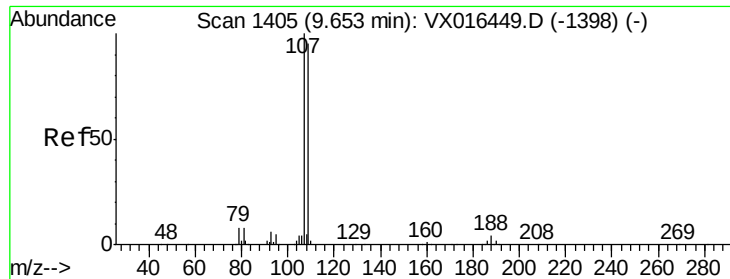
MMDadoda
5/28/2020 2:10:24 PM



#60
Dibromochloromethane
Concen: 53.299 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion: 129 Resp: 189416
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





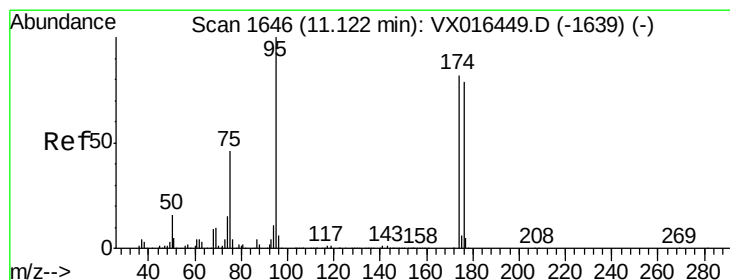
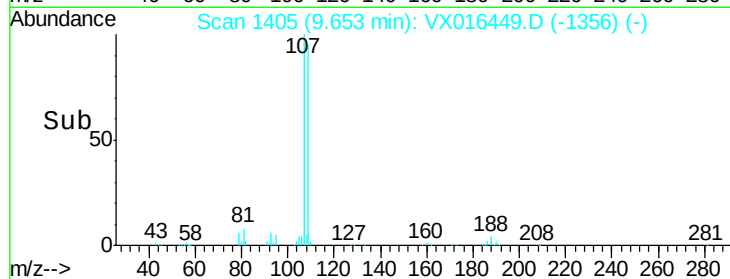
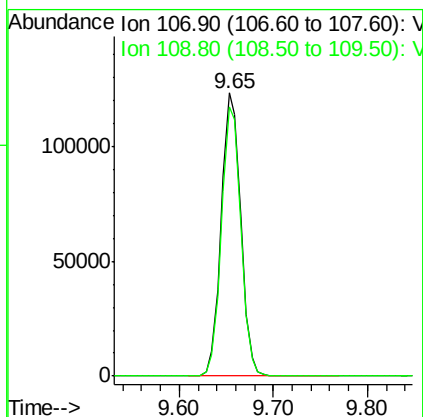
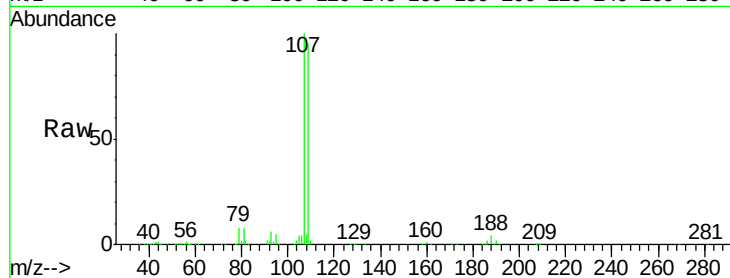
#61
 1,2-Dibromoethane
 Concen: 51.122 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	177450		
109	94.4	75.5	113.3	

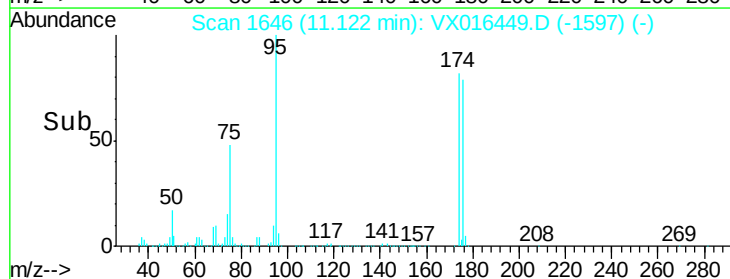
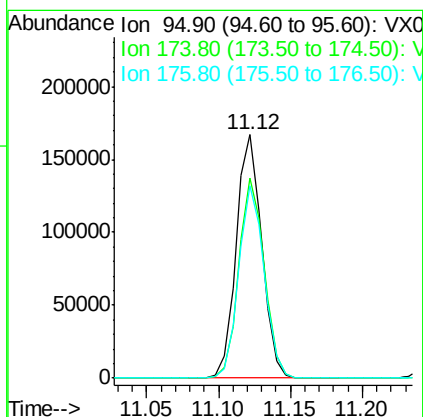
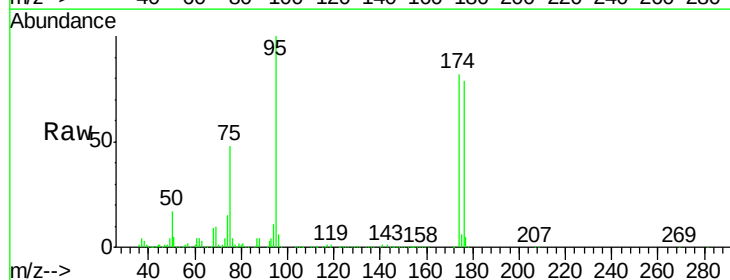
Manual Integrations
 APPROVED

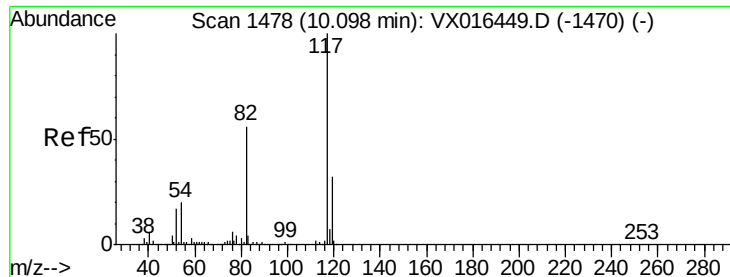
MMDadoda
 5/28/2020 2:10:24 PM



#62
 4-Bromofluorobenzene
 Concen: 48.698 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	206058		
174	81.5	0.0	163.0	
176	78.4	0.0	156.8	





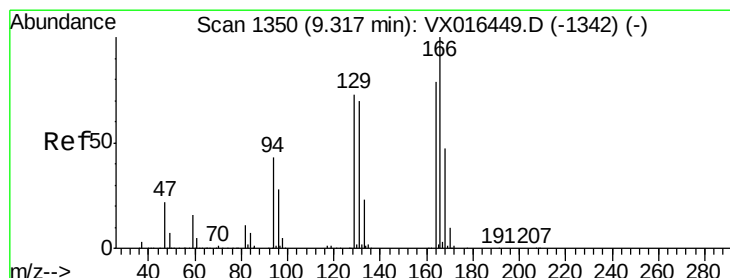
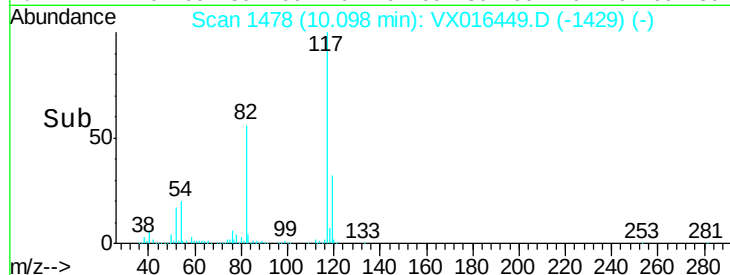
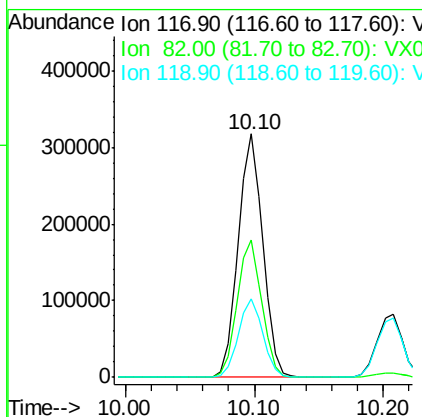
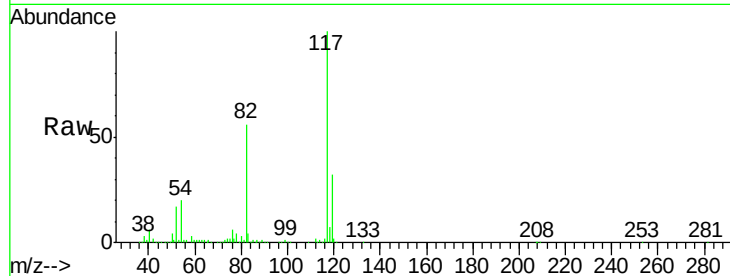
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	420833		
82	56.3		45.0	67.6
119	32.3		25.8	38.8

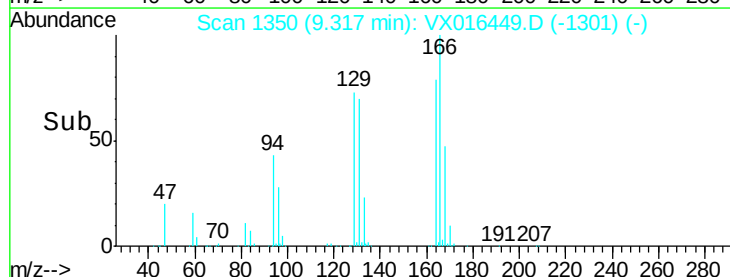
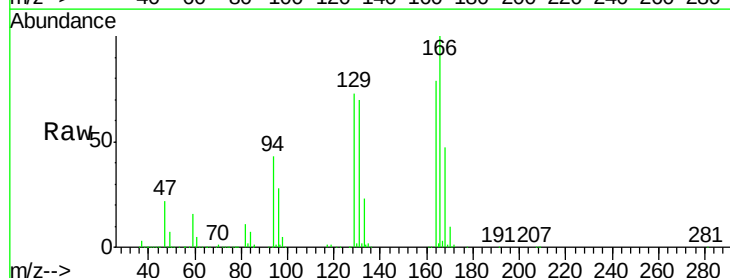
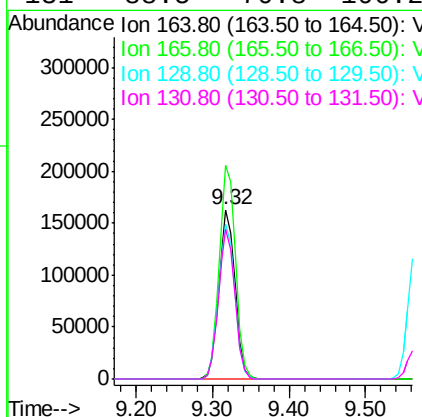
Manual Integrations
APPROVED

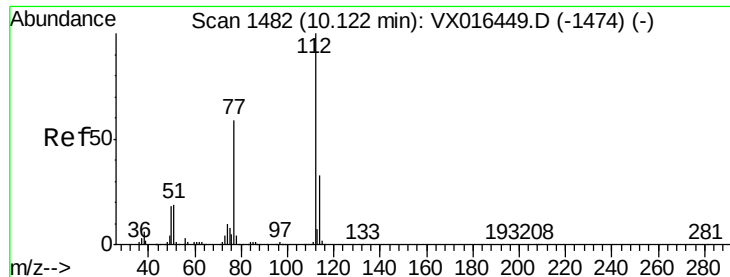
MMDadoda
5/28/2020 2:10:24 PM



#64
Tetrachloroethene
Concen: 46.329 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	236945		
166	126.1		100.9	151.3
129	91.5		73.2	109.8
131	88.5		70.8	106.2





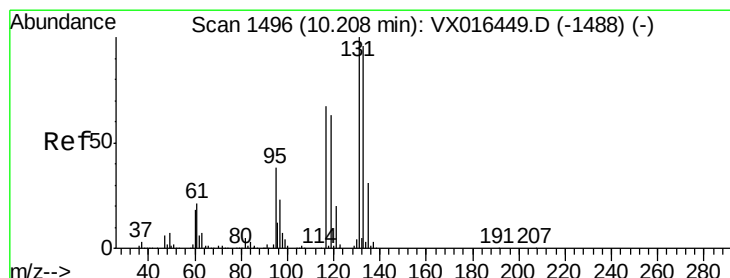
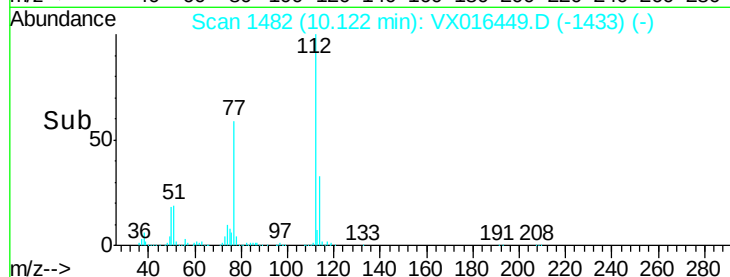
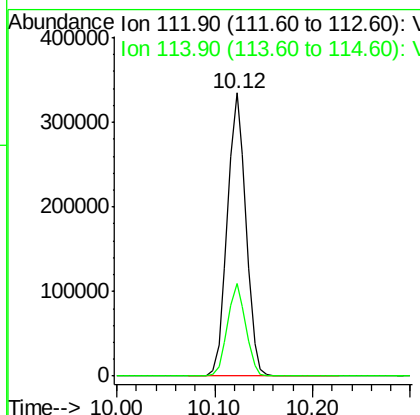
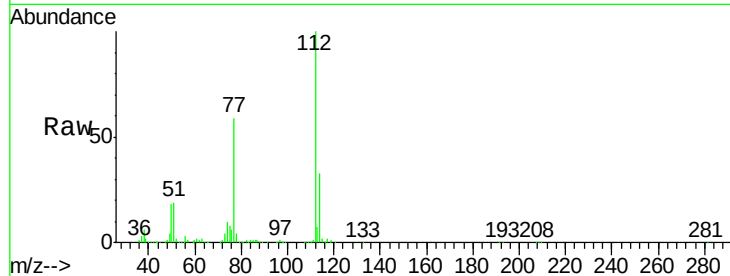
#65
Chlorobenzene
Concen: 50.117 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 442626
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

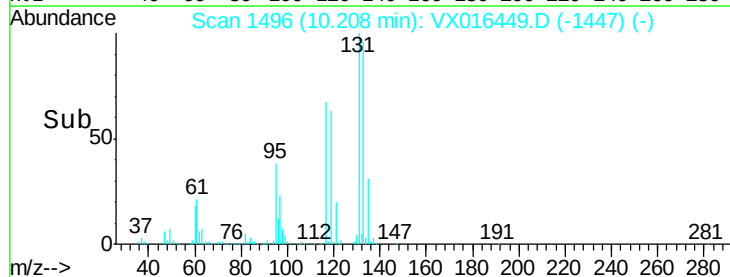
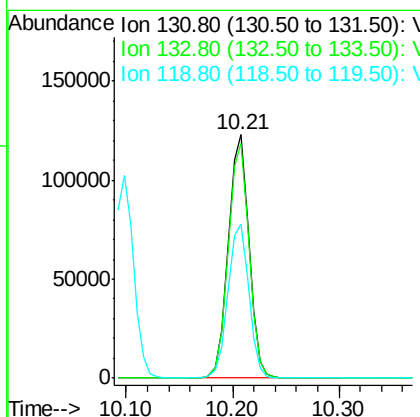
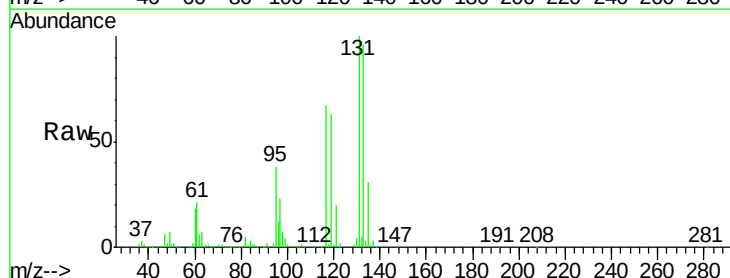
Manual Integrations
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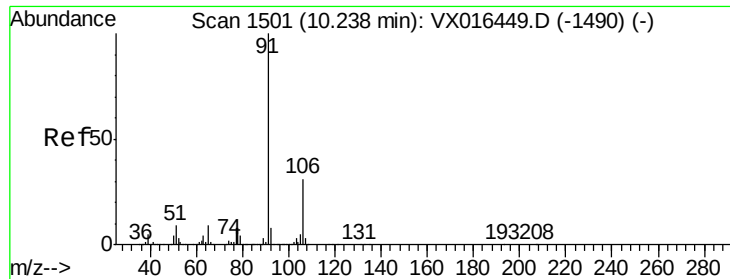
MMDadoda
5/28/2020 2:10:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.448 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion:131 Resp: 168241
Ion Ratio Lower Upper
131 100
133 96.9 48.4 145.3
119 64.1 32.0 96.2





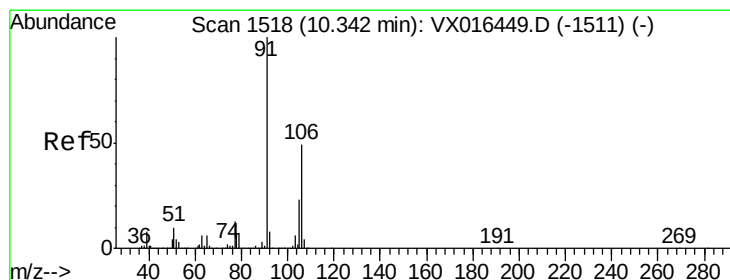
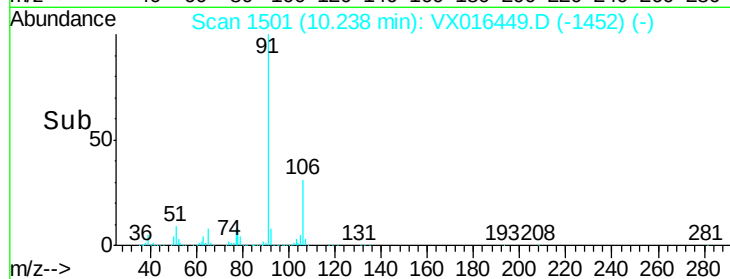
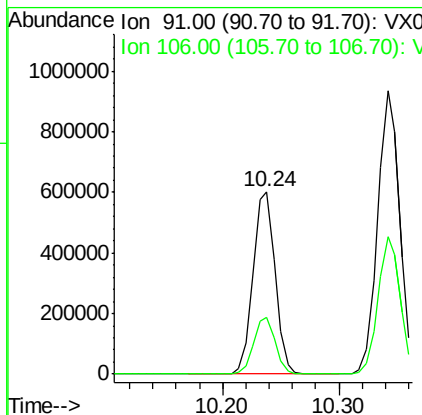
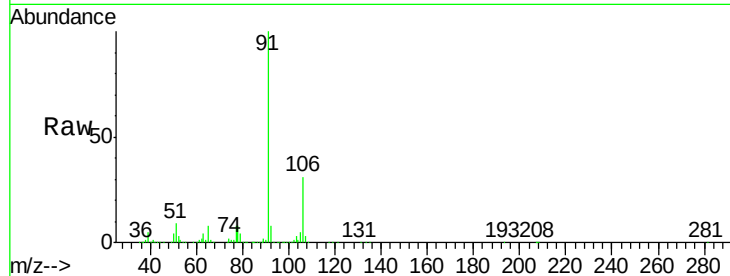
#67
Ethyl Benzene
Concen: 50.791 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 799954
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

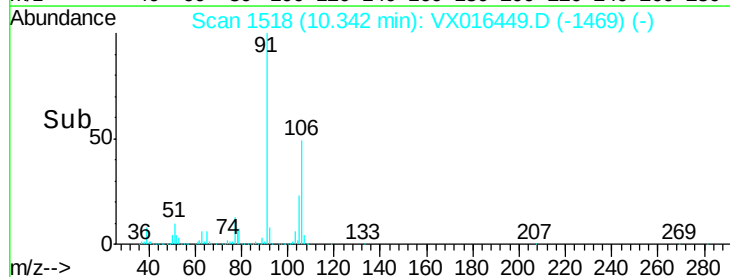
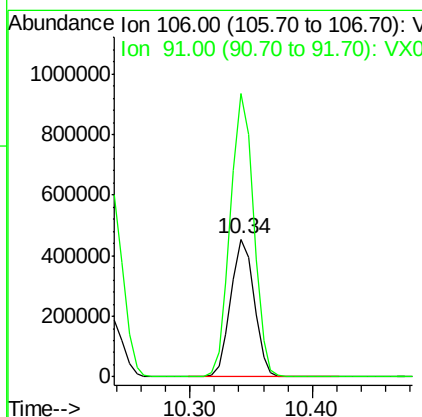
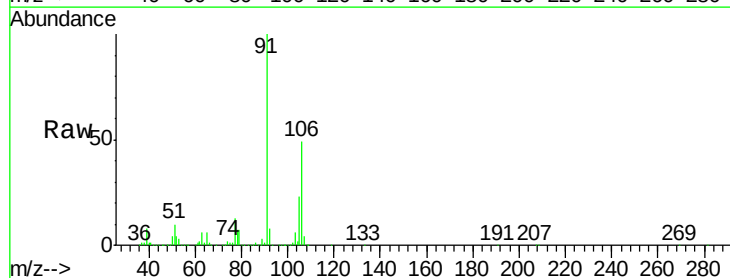
Manual Integrations
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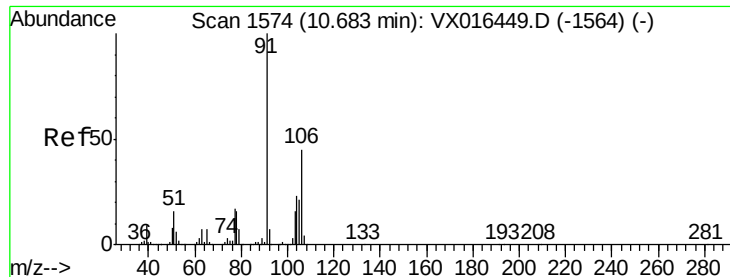
MMDadoda
5/28/2020 2:10:24 PM



#68
m/p-Xylenes
Concen: 101.984 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion: 106 Resp: 600420
Ion Ratio Lower Upper
106 100
91 204.8 163.8 245.8





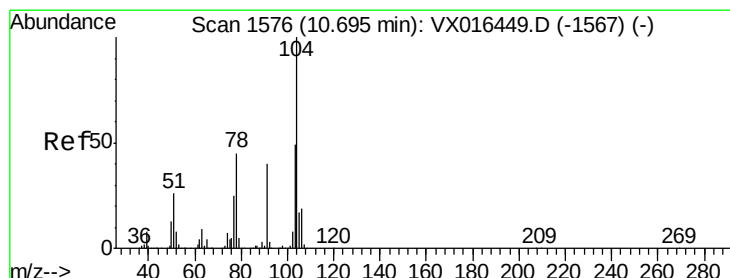
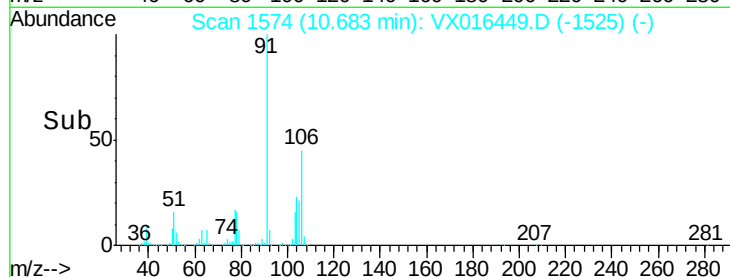
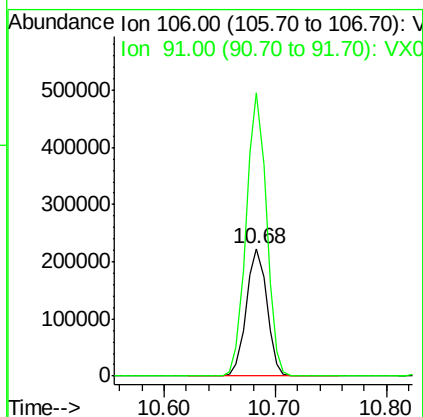
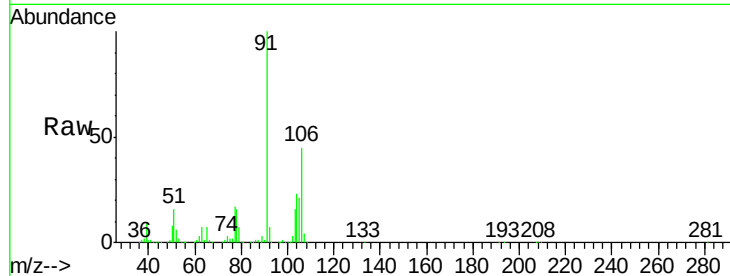
#69
o-Xylene
Concen: 50.605 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.2	109.6	328.8

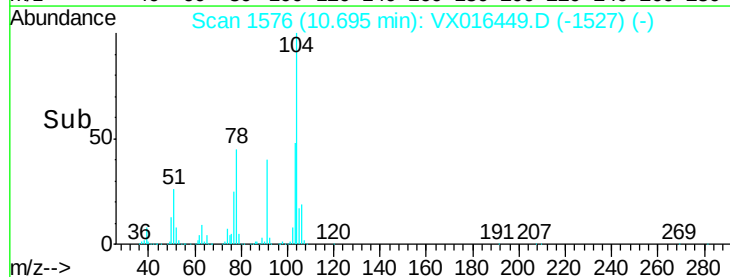
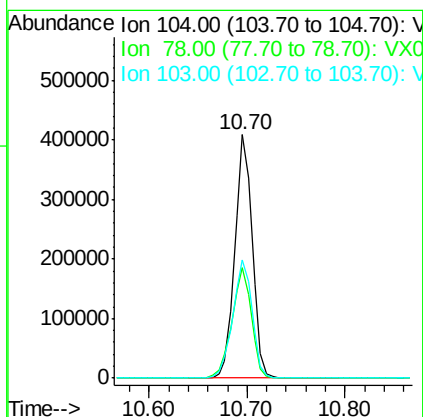
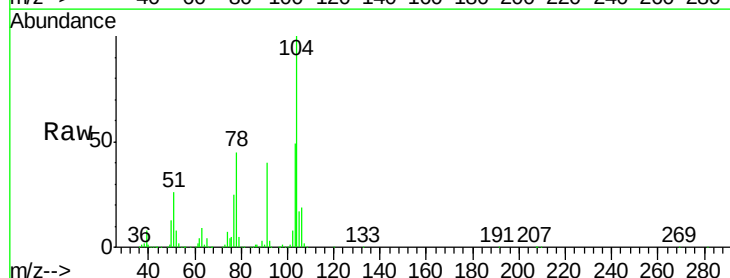
Manual Integrations
APPROVED

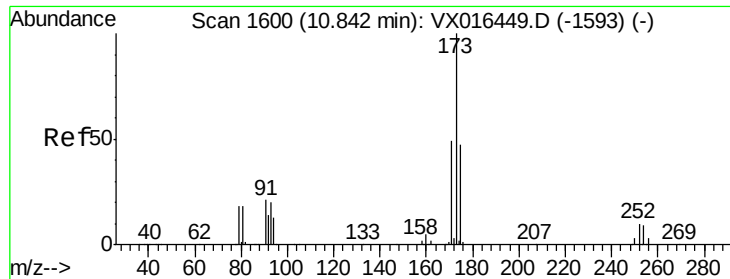
MMDadoda
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#70
Styrene
Concen: 52.554 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.2	60.2
103	53.9	43.1	64.7





#71

Bromoform

Concen: 55.279 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 148418

Ion Ratio Lower Upper

173 100

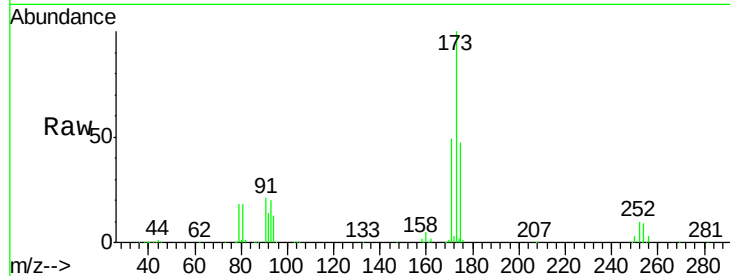
175 47.8 23.9 71.7

254 0.1 0.1 0.1

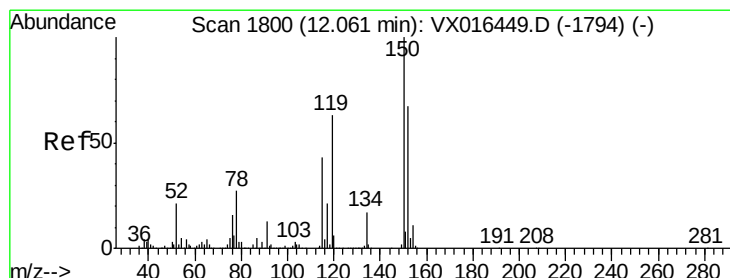
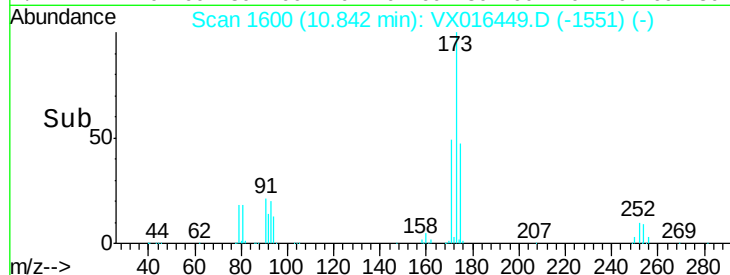
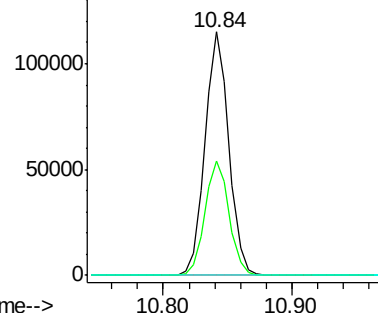
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

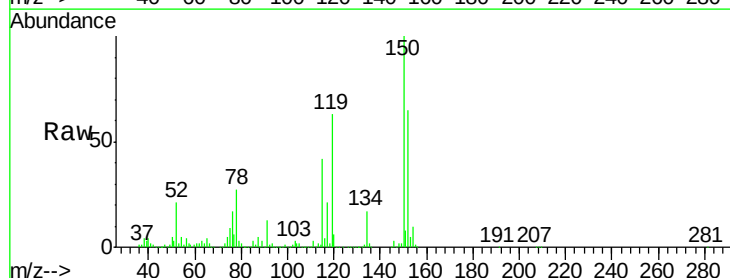
Tgt Ion:152 Resp: 214019

Ion Ratio Lower Upper

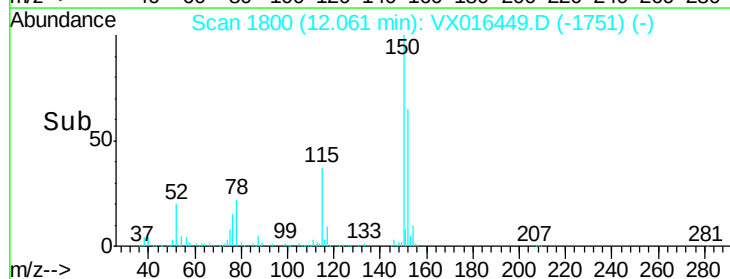
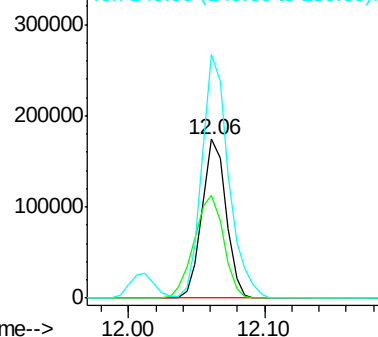
152 100

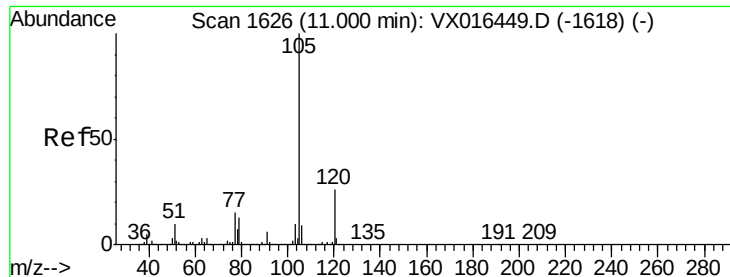
115 79.7 39.9 119.6

150 170.5 0.0 341.0



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: 49.454 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 767450

Ion Ratio Lower Upper

105 100

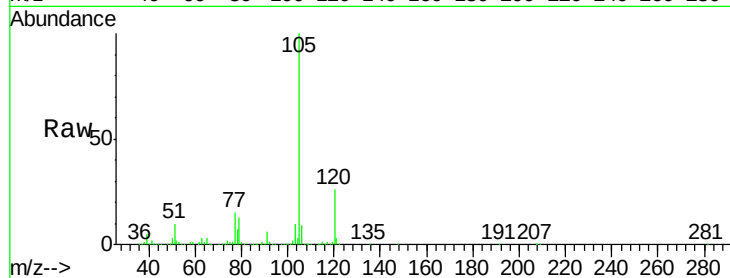
120 26.2 13.1 39.3

Manual Integrations

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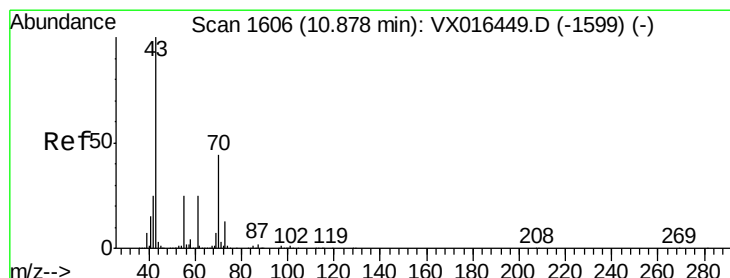
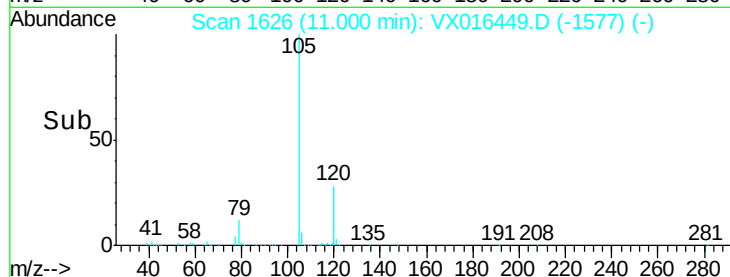
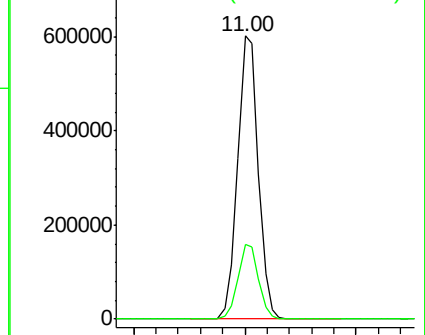
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.594 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tgt Ion: 43 Resp: 358999

Ion Ratio Lower Upper

43 100

70 45.1 36.1 54.1

55 25.3 20.2 30.4

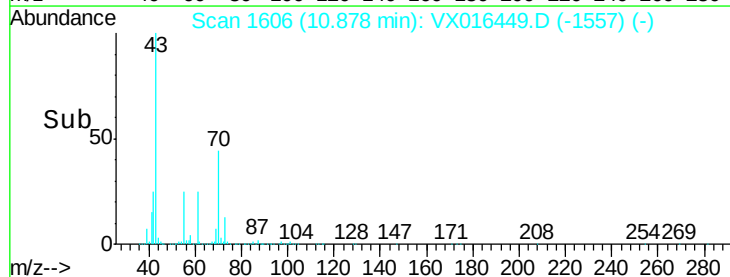
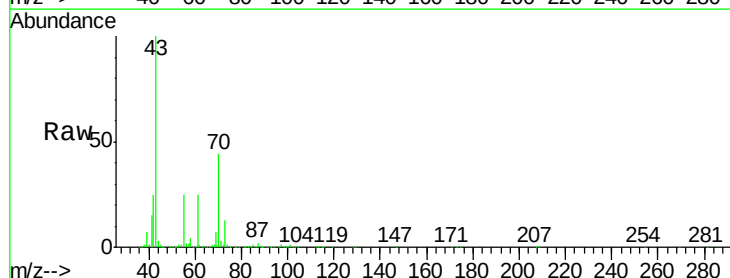
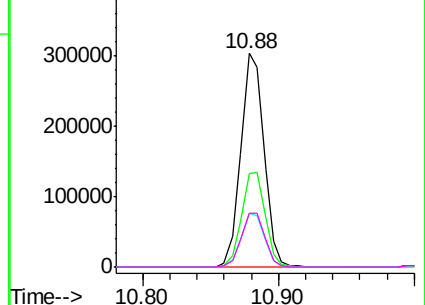
61 25.4 20.3 30.5

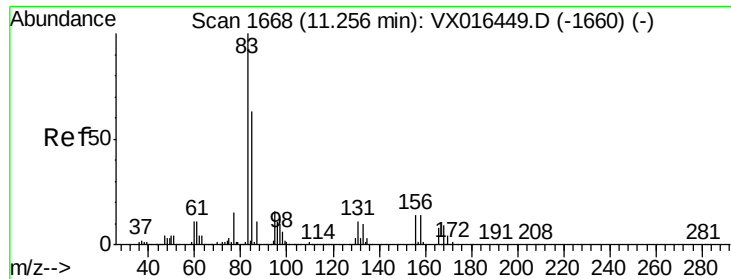
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 67.817 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

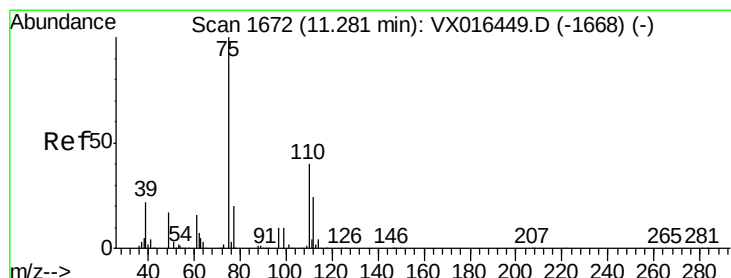
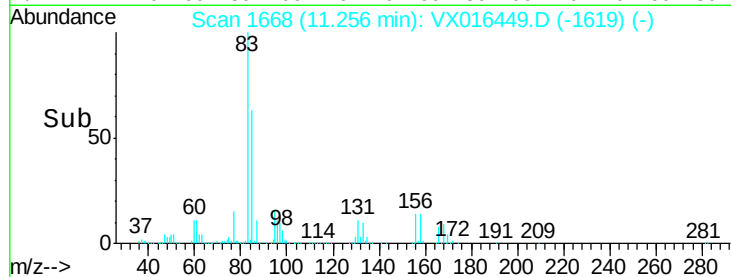
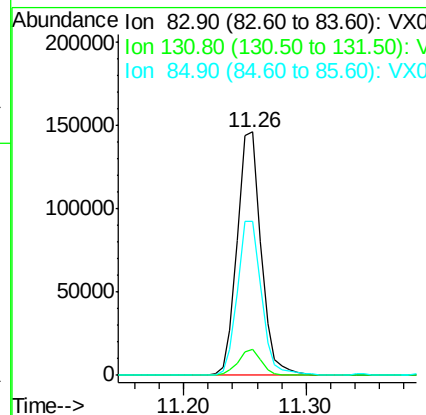
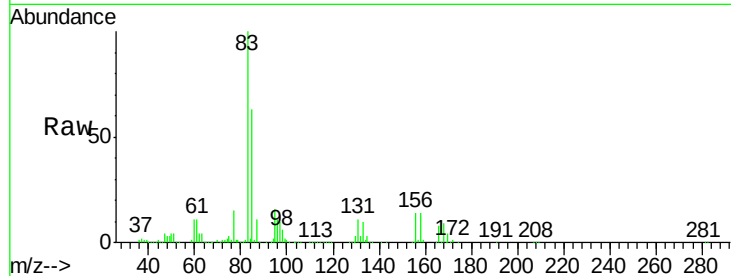
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	196235
Ion Ratio		Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.1	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.921 ug/l m

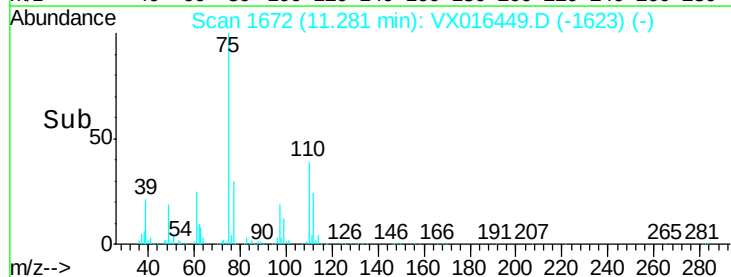
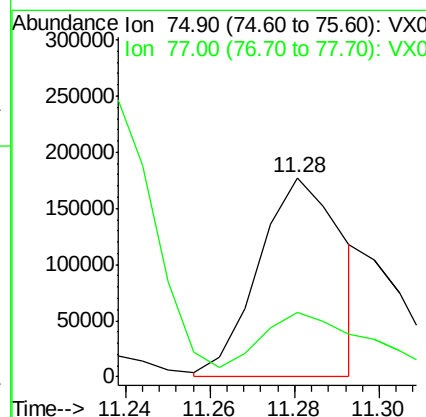
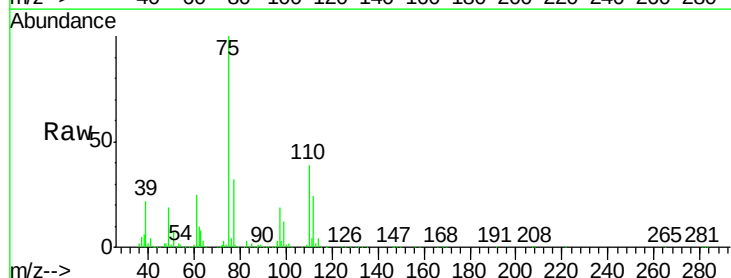
RT: 11.28 min Scan# 1672

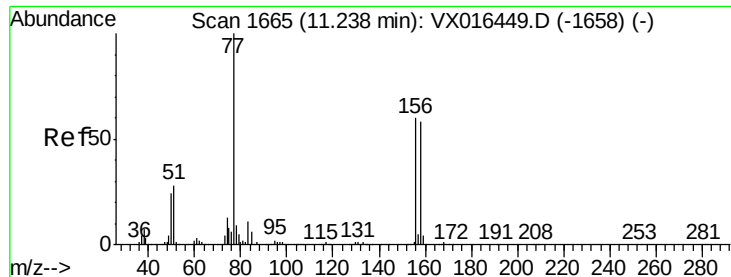
Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tgt Ion:	75	Resp:	242117
Ion Ratio		Lower	Upper
75	100		
77	42.5	21.3	63.7





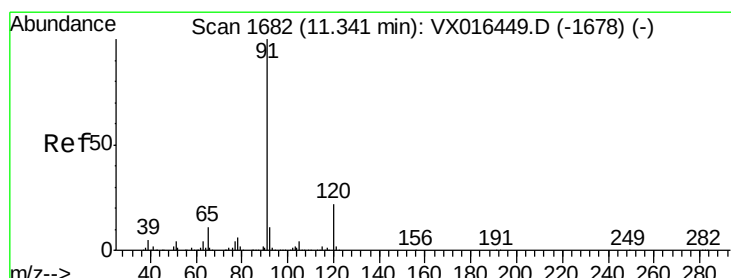
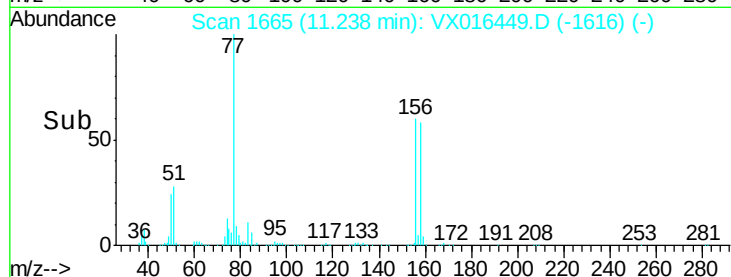
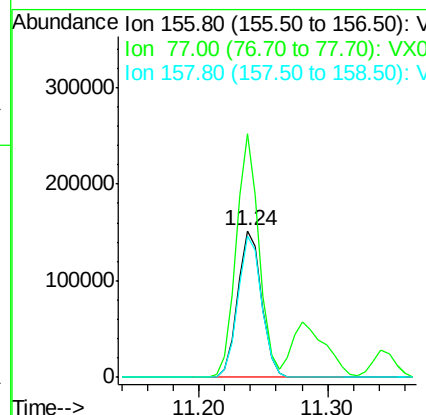
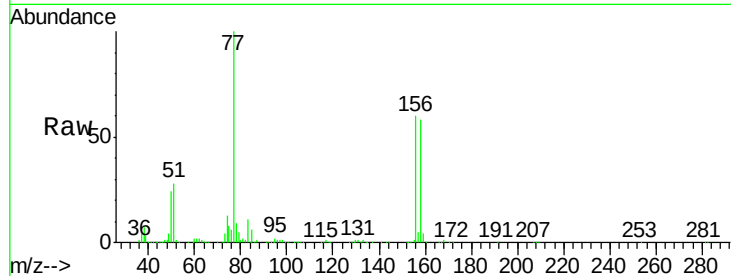
#77
Bromobenzene
Concen: 48.756 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.2	79.6	238.8
158	96.3	48.1	144.4

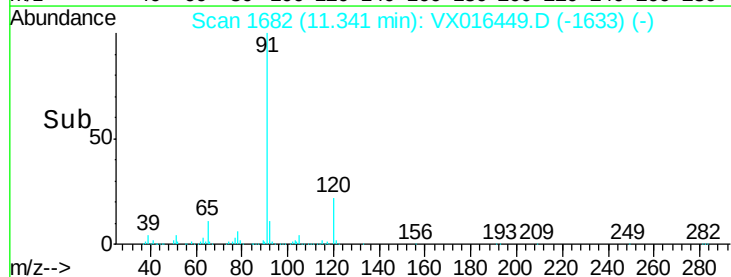
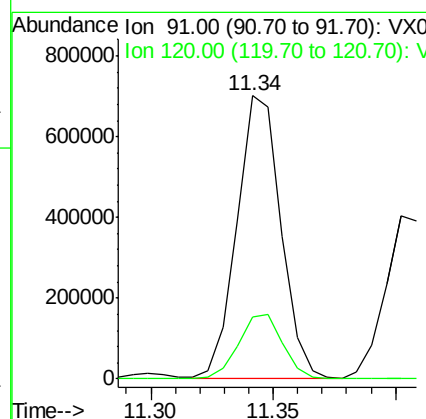
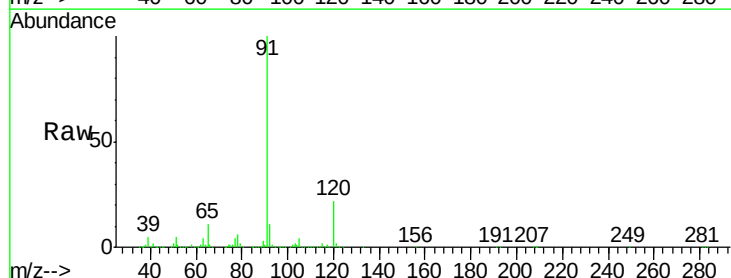
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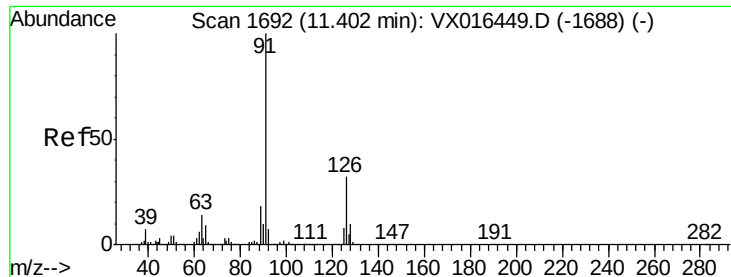
MMDadoda
5/28/2020 2:10:24 PM



#78
n-propylbenzene
Concen: 48.083 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.6	34.7





#79

2-Chlorotoluene

Concen: 48.818 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 521655

Ion Ratio Lower Upper

91 100

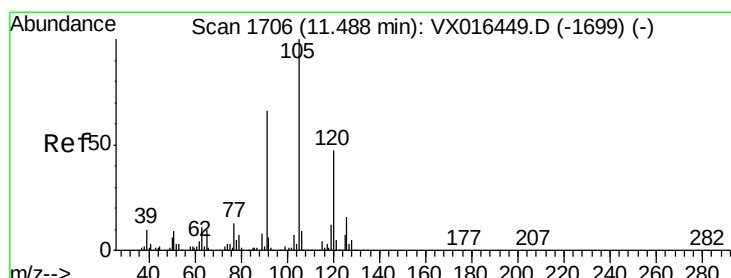
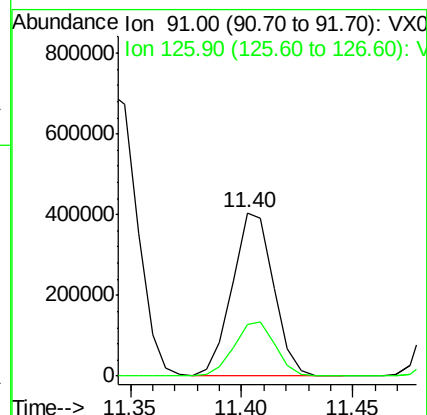
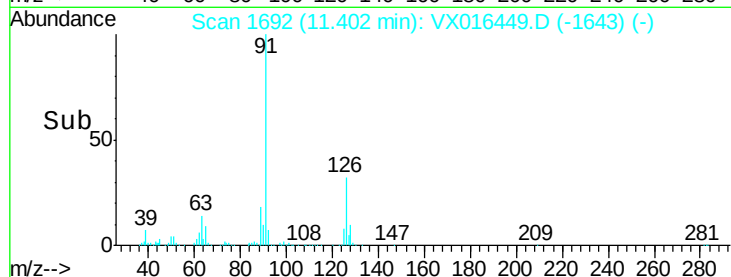
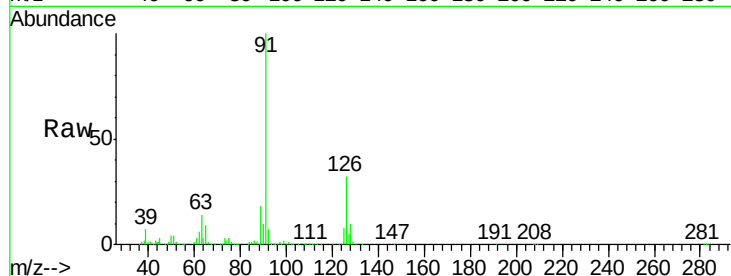
126 33.5 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.534 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016449.D

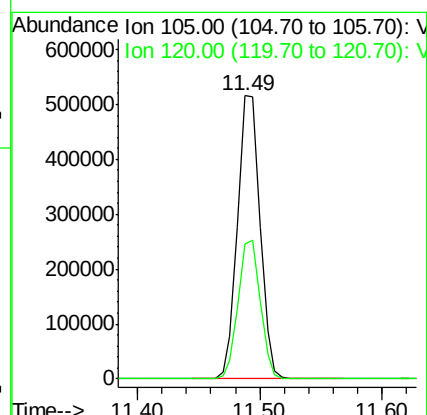
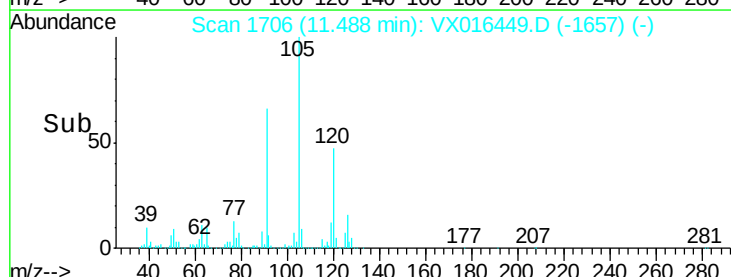
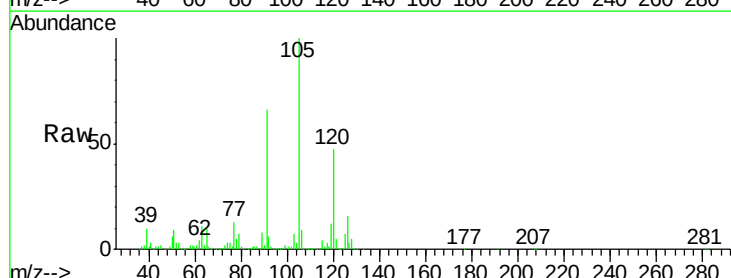
Acq: 27 May 2020 15:27

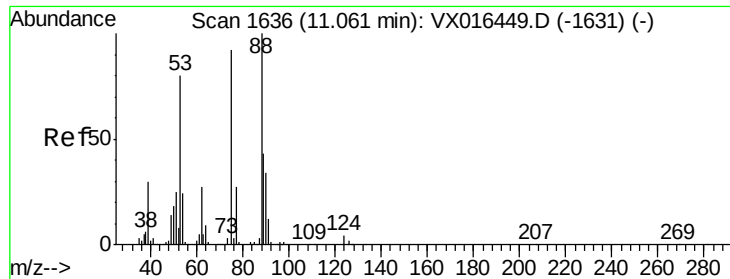
Tgt Ion: 105 Resp: 649890

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





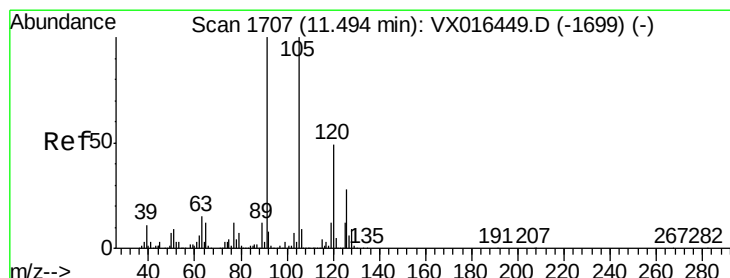
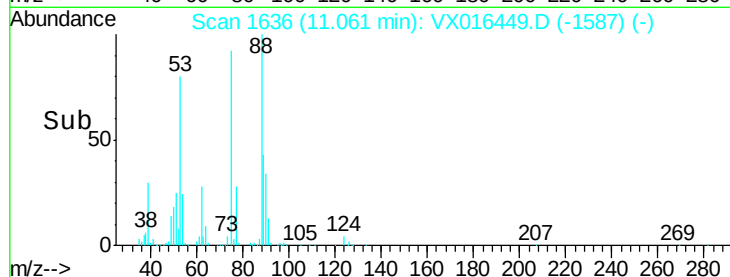
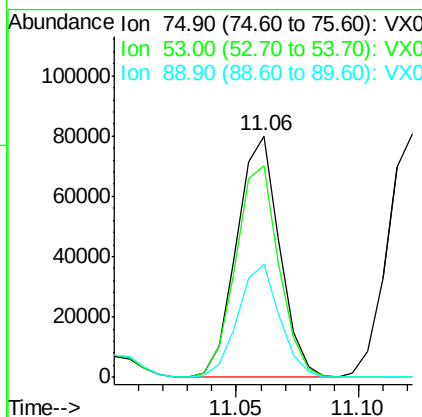
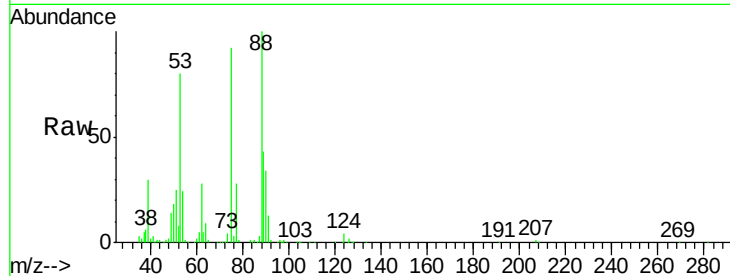
#81
trans-1,4-Dichloro-2-butene
Concen: 48.286 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.1	71.3	106.9
89	45.8	36.6	55.0

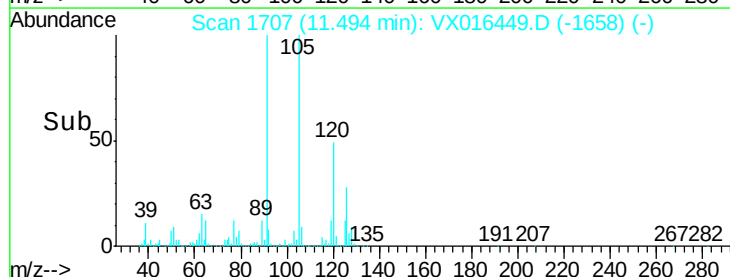
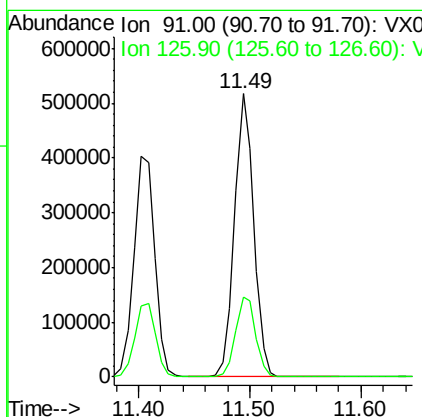
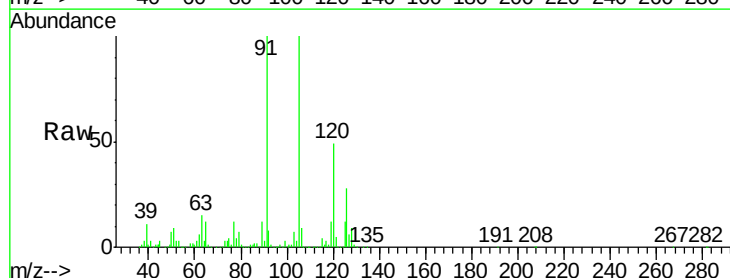
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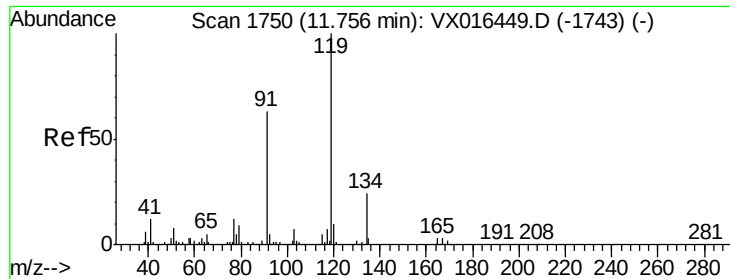
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#82
4-Chlorotoluene
Concen: 48.935 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.7	44.1





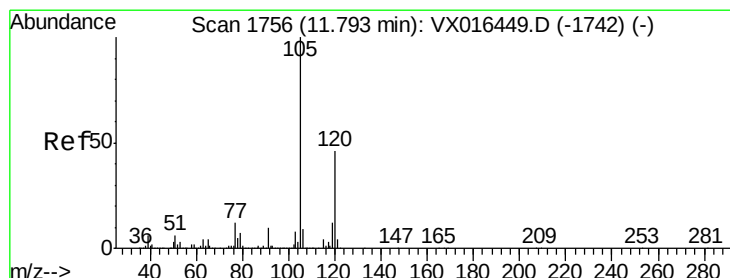
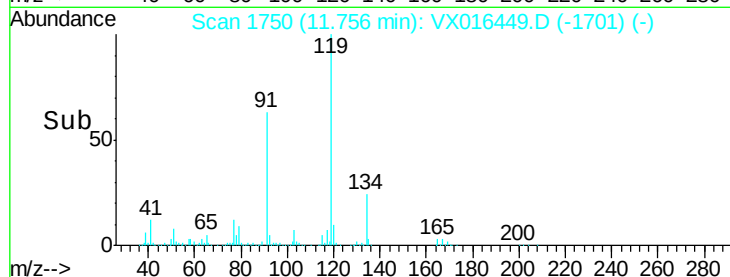
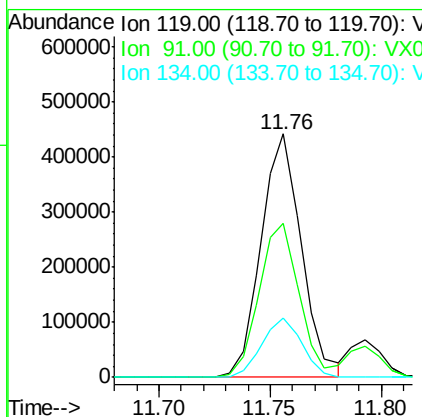
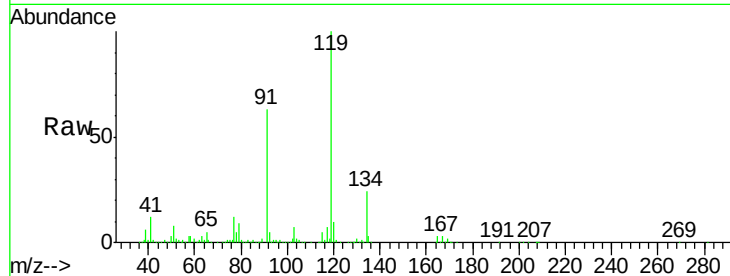
#83
 tert-Butylbenzene
 Concen: 49.210 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	556882		
91	62.5	31.3	93.8	
134	24.0	12.0	36.0	

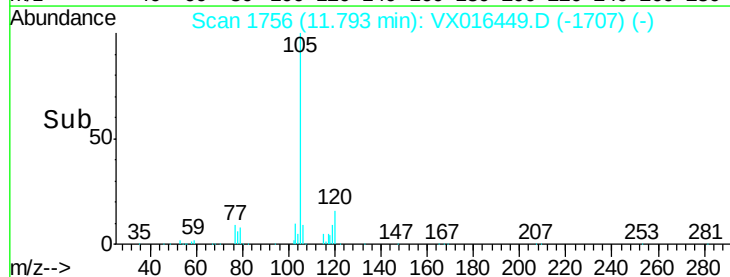
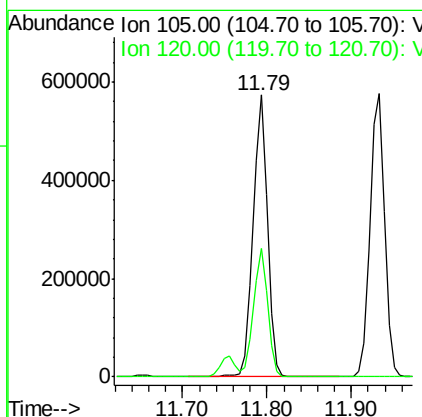
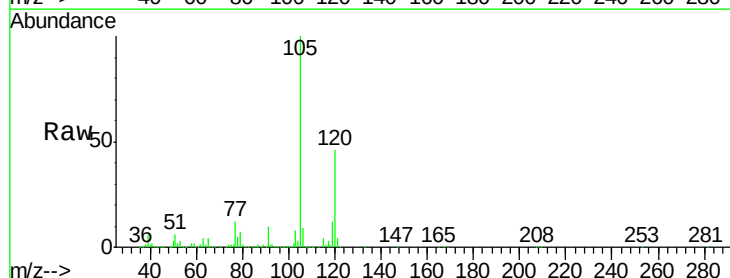
Manual Integrations
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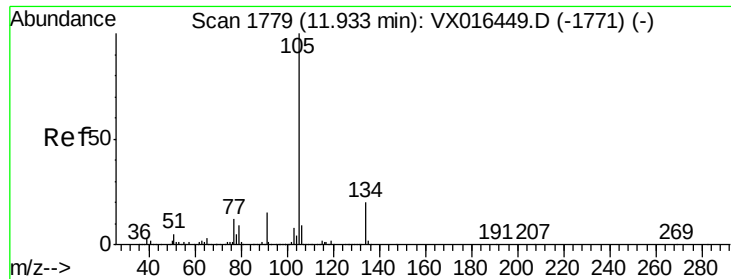
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.430 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	655683		
120	45.1	22.6	67.7	





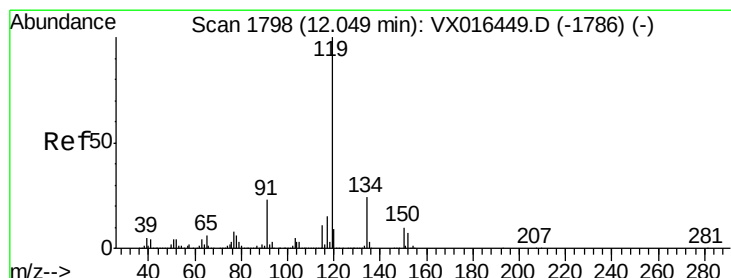
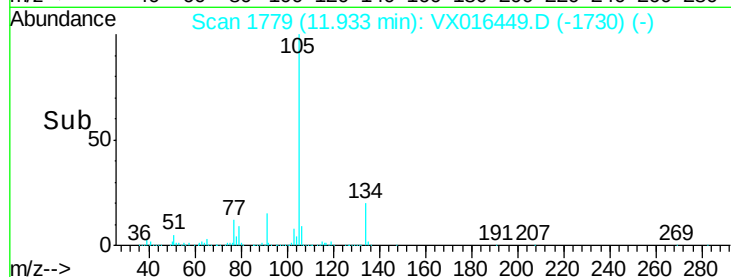
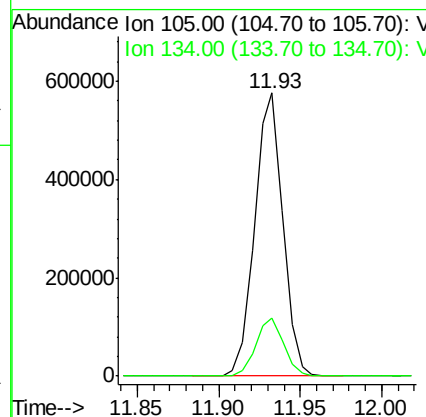
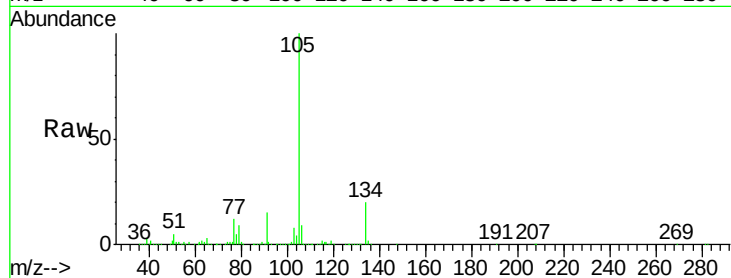
#85
 sec-Butylbenzene
 Concen: 45.881 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	690929		
134	20.2	10.1	30.3	

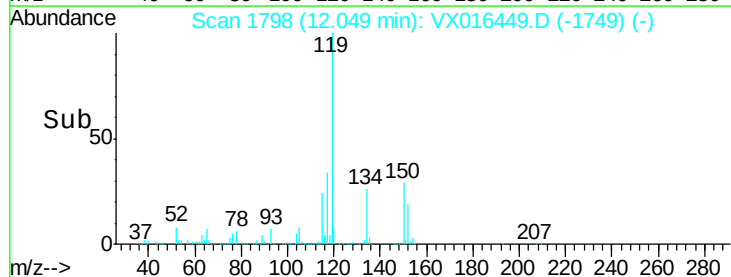
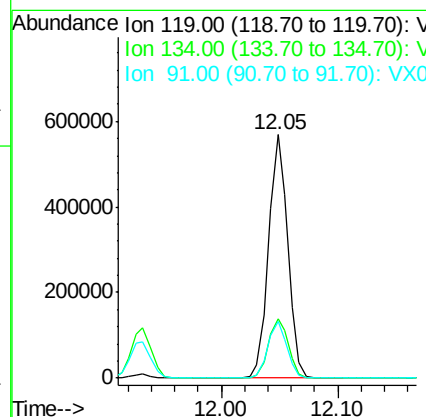
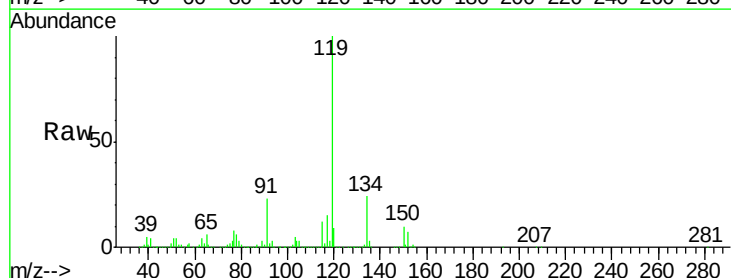
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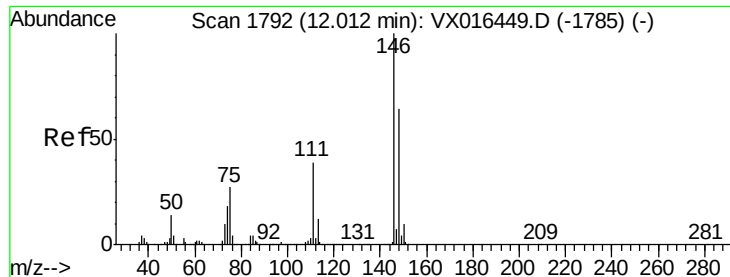
MMDadoda
 5/28/2020 2:10:24 PM



#86
 p-Isopropyltoluene
 Concen: 46.685 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	653938		
134	25.3	12.7	38.0	
91	23.3	11.7	35.0	





#87

1,3-Dichlorobenzene

Concen: 47.738 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Instrument :

MSVOA_X

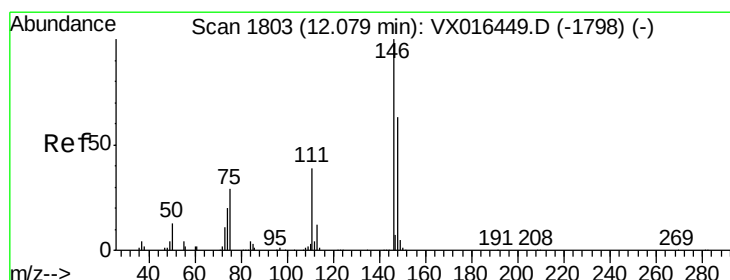
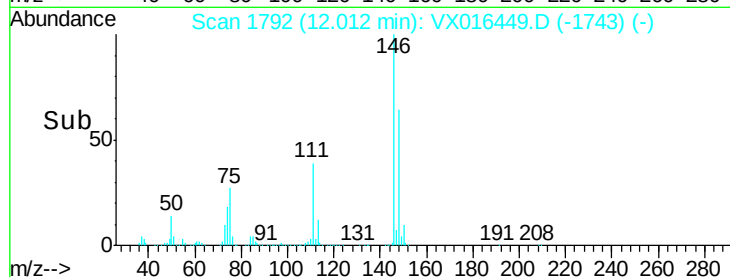
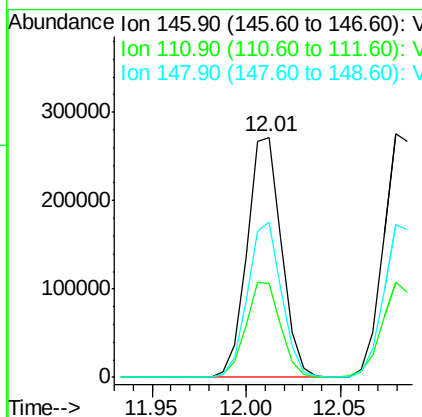
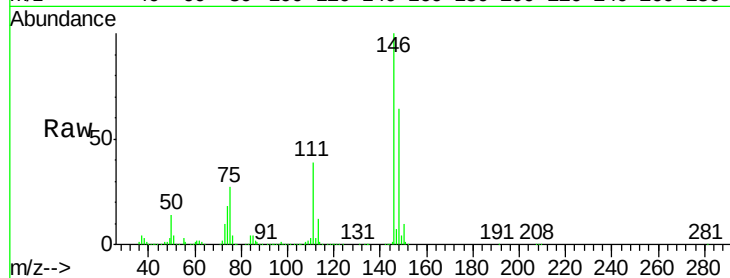
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	343702
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.0	60.0
148	63.7	31.9	95.5

Manual Integrations
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5/28/2020 2:10:24 PM



#88

1,4-Dichlorobenzene

Concen: 47.682 ug/l

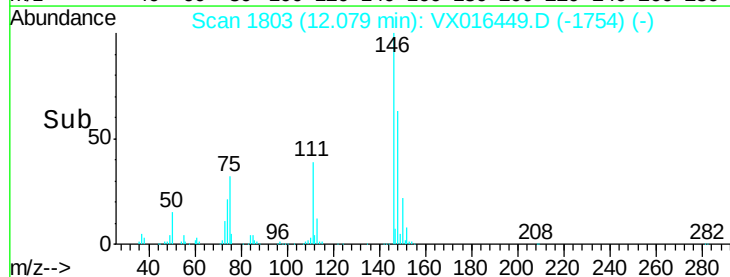
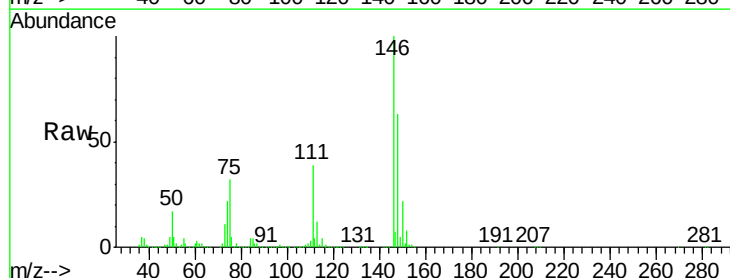
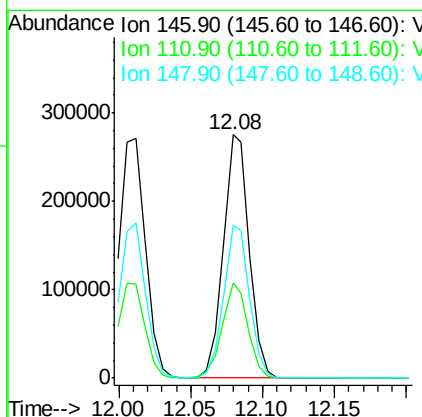
RT: 12.08 min Scan# 1803

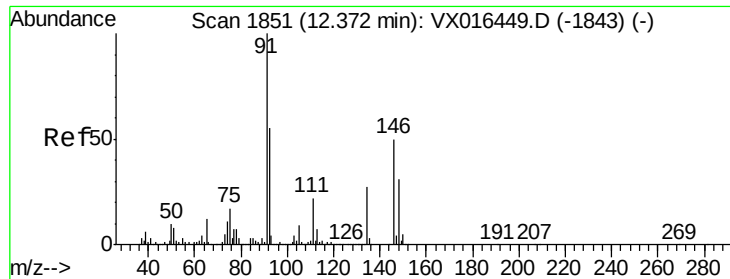
Delta R.T. 0.00 min

Lab File: VX016449.D

Acq: 27 May 2020 15:27

Tgt Ion:	146	Resp:	348450
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.2
148	62.9	31.4	94.3





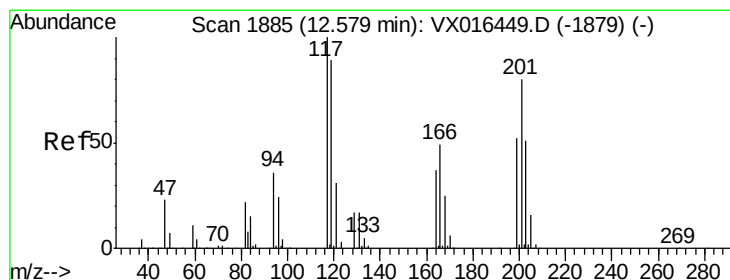
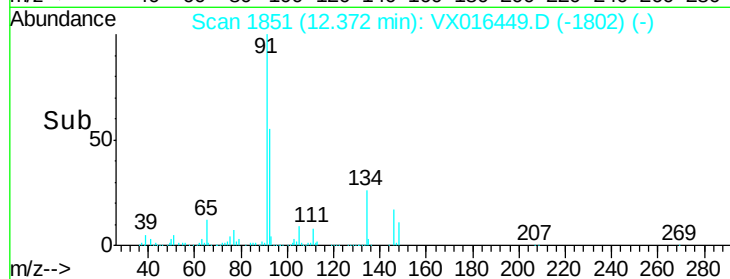
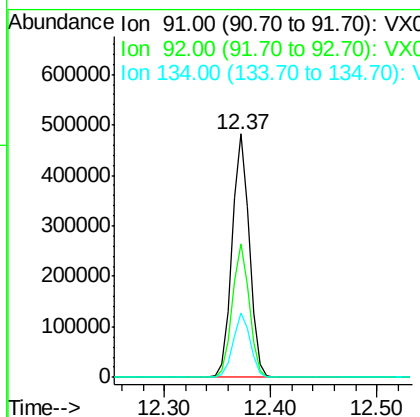
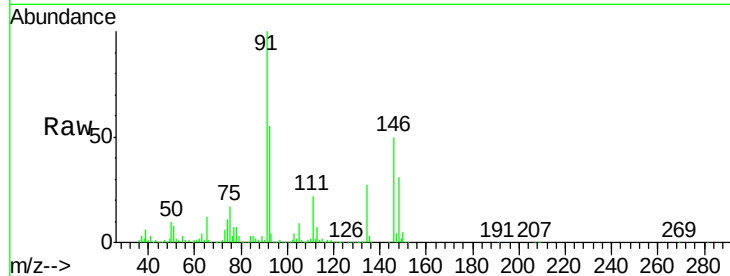
#89
n-Butylbenzene
Concen: 43.116 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.3	27.2	81.5	
134	26.2	13.1	39.3	

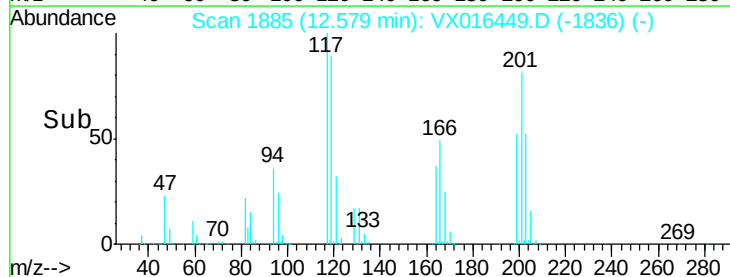
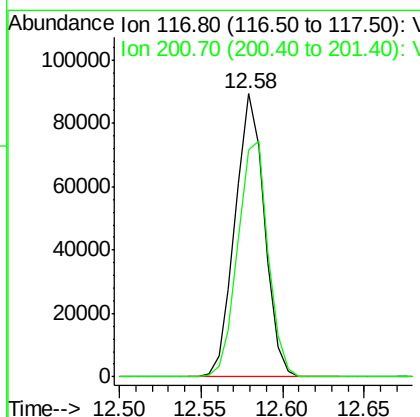
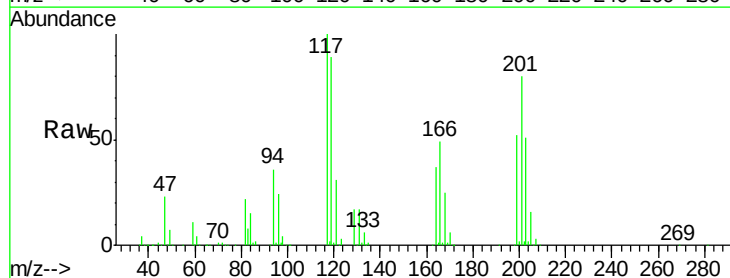
Manual Integrations
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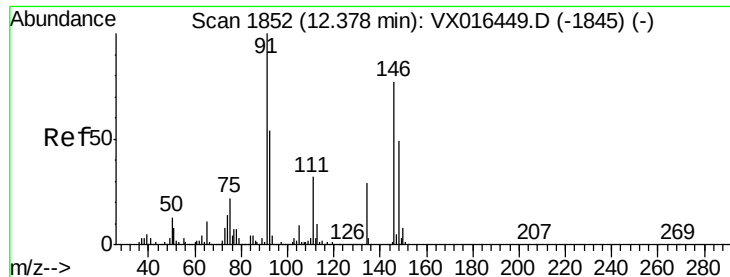
MMDadoda
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#90
Hexachloroethane
Concen: 46.716 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.2	43.1	129.3	





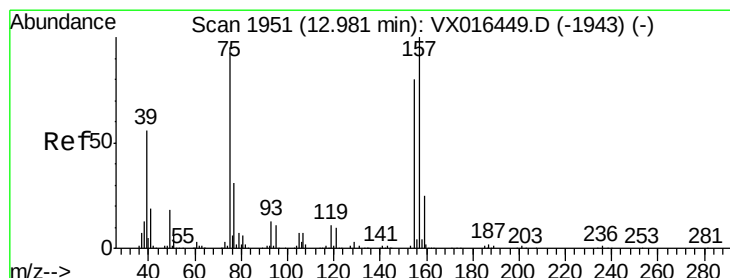
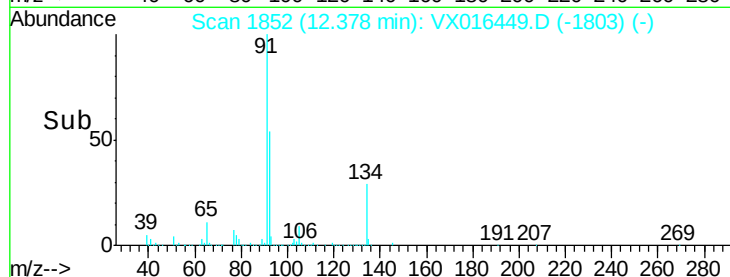
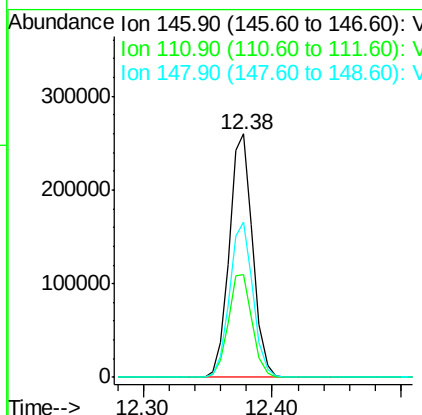
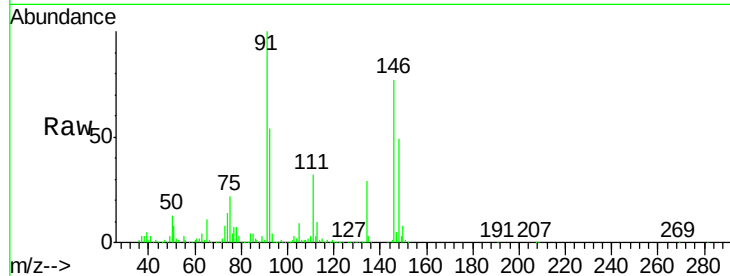
#91
 1,2-Dichlorobenzene
 Concen: 47.600 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	329792		
111	42.9	21.4	64.3	
148	63.8	31.9	95.7	

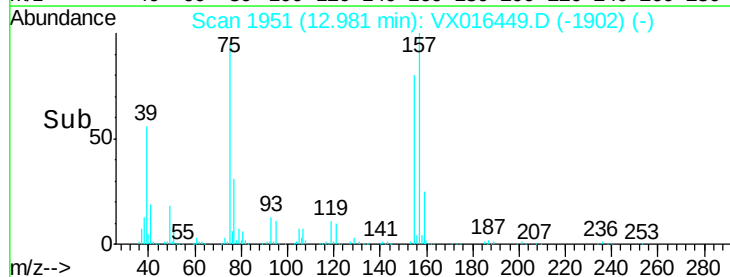
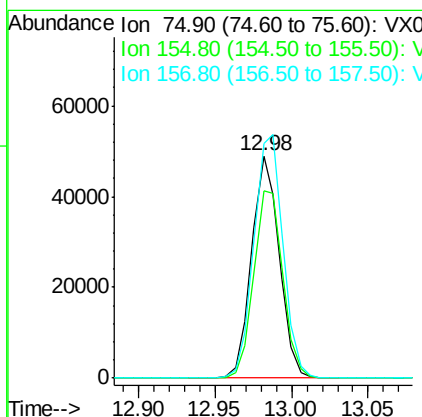
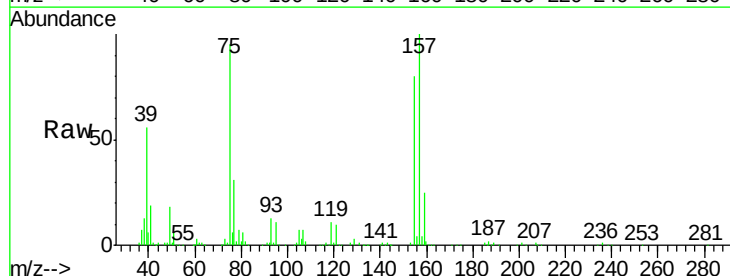
Manual Integrations
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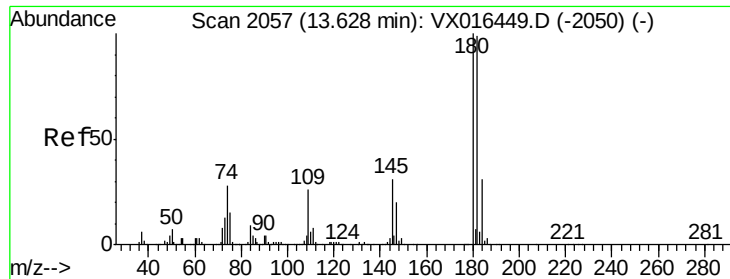
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.195 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61587		
155	88.3	44.1	132.4	
157	115.5	57.8	173.3	





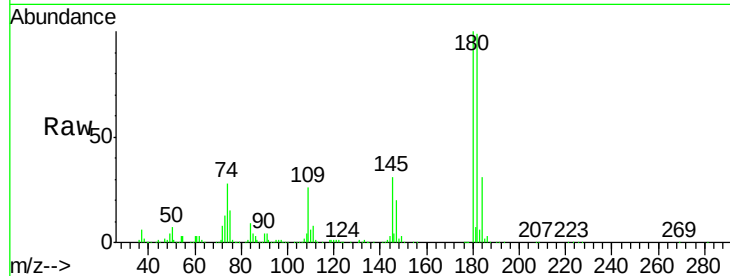
#93
 1,2,4-Trichlorobenzene
 Concen: 44.049 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

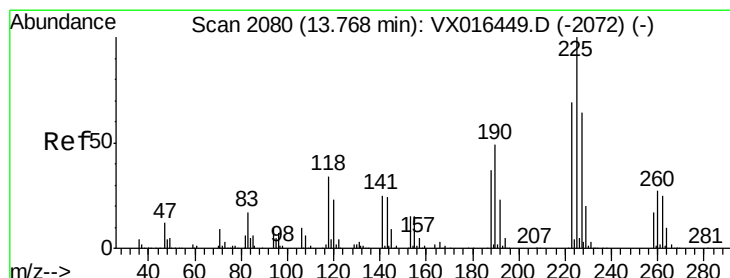
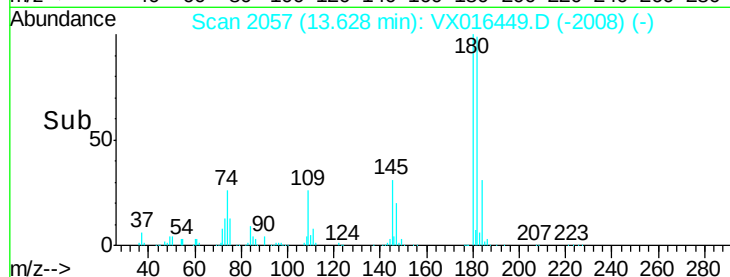
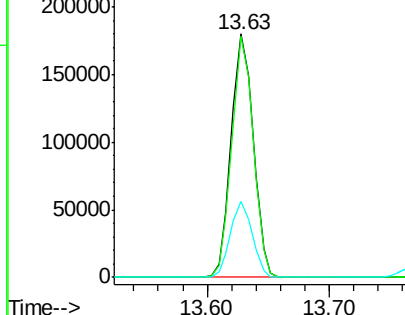
Tot Ion	Ratio	Resp	Lower	Upper
180	100	223903		
182	96.5	48.3	144.8	
145	30.8	15.4	46.2	

Manual Integrations
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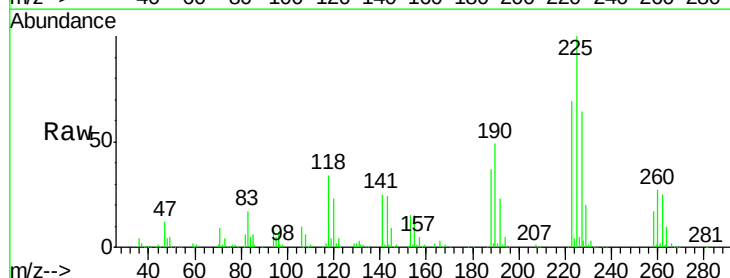


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

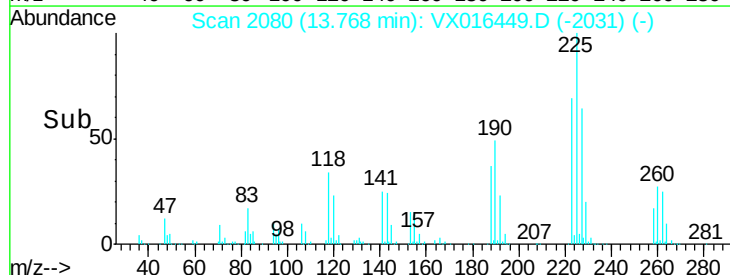
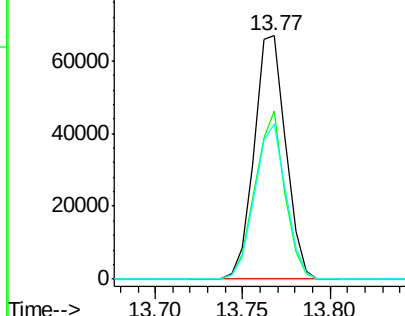


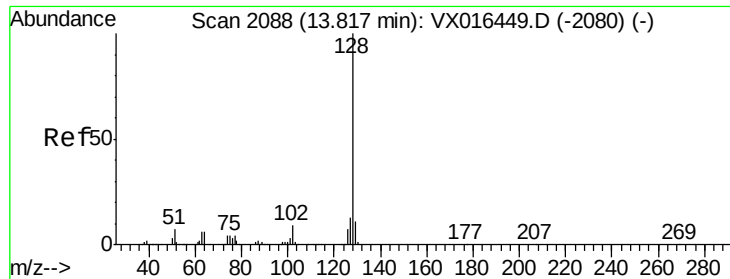
#94
 Hexachlorobutadiene
 Concen: 36.700 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016449.D
 Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83979		
223	64.5	32.3	96.8	
227	63.1	31.6	94.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





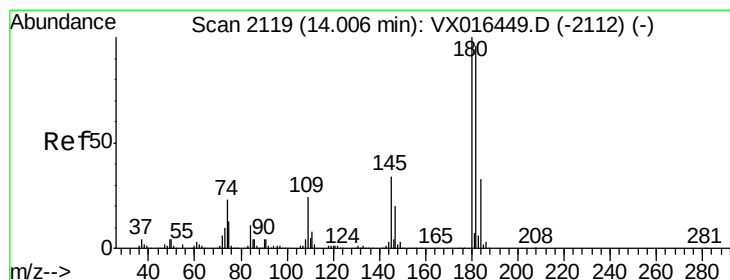
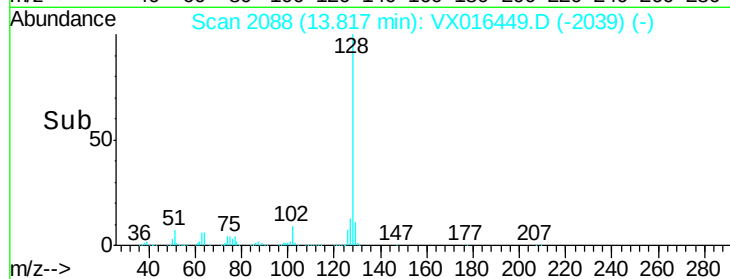
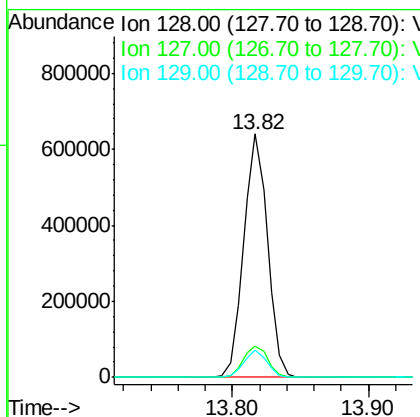
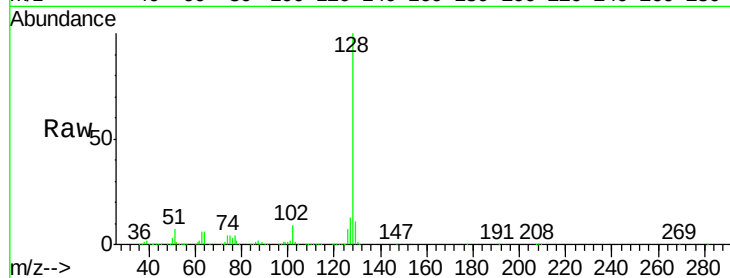
#95
Naphthalene
Concen: 47.249 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	780542		
127	13.2		10.6	15.8
129	10.8		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 43.639 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX016449.D
Acq: 27 May 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	215164		
182	97.2		48.6	145.8
145	33.2		16.6	49.8

