

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122018\
 Data File : VX006689.D
 Acq On : 20 Dec 2018 21:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 10:19:16 AM

Quant Time: Dec 21 04:40:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	577263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	896871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	819765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	411663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	316755	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	5.51	113	286554	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	8.71	98	1089268	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.13	95	392106	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	243122	46.038	ug/l 98
3) Chloromethane	1.33	50	263050	46.235	ug/l 98
4) Vinyl Chloride	1.41	62	285812	48.100	ug/l 98
5) Bromomethane	1.64	94	283821	51.231	ug/l 96
6) Chloroethane	1.71	64	190596	46.324	ug/l 97
7) Trichlorofluoromethane	1.93	101	458248	49.464	ug/l 99
8) Diethyl Ether	2.19	74	181504	49.327	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	266808	49.050	ug/l 99
10) Methyl Iodide	2.51	142	402831	51.735	ug/l 99
11) Tert butyl alcohol	3.08	59	355345	255.926	ug/l 99
12) 1,1-Dichloroethene	2.37	96	250367	48.543	ug/l 100
13) Acrolein	2.29	56	203736	217.511	ug/l 98
14) Allyl chloride	2.73	41	433677	49.954	ug/l 99
15) Acrylonitrile	3.15	53	810834	263.016	ug/l 100
16) Acetone	2.45	43	673593	235.658	ug/l 100
17) Carbon Disulfide	2.57	76	592344	43.398	ug/l 99
18) Methyl Acetate	2.78	43	453667	53.976	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	892158	52.117	ug/l 100
20) Methylene Chloride	2.85	84	286483	48.470	ug/l 94
21) trans-1,2-Dichloroethene	3.17	96	271368	47.486	ug/l 99
22) Diisopropyl ether	3.87	45	841637	52.992	ug/l 94
23) Vinyl Acetate	3.82	43	3378720	260.075	ug/l 100
24) 1,1-Dichloroethane	3.70	63	464248	48.966	ug/l 99
25) 2-Butanone	4.70	43	1026498	255.308	ug/l 99
26) 2,2-Dichloropropane	4.59	77	317017	43.286	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	316665	50.223	ug/l 99
28) Bromochloromethane	5.02	49	218456	54.839	ug/l 98
29) Tetrahydrofuran	5.15	42	693926	262.046	ug/l 99
30) Chloroform	5.21	83	499658	50.891	ug/l 98
31) Cyclohexane	5.57	56	420658	48.838	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	421015	50.784	ug/l 98
36) 1,1-Dichloropropene	5.80	75	365437	49.196	ug/l 99
37) Ethyl Acetate	4.85	43	398563	51.551	ug/l 99
38) Carbon Tetrachloride	5.79	117	357548	49.529	ug/l 97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	470121	48.073	ug/l	98
40) Benzene	6.14	78	1126956	49.911	ug/l	99
41) Methacrylonitrile	5.06	41	218416	53.211	ug/l	98
42) 1,2-Dichloroethane	6.20	62	380333	49.433	ug/l	100
43) Isopropyl Acetate	6.46	43	620849	52.777	ug/l	99
44) Trichloroethene	7.21	130	332123	48.599	ug/l	98
45) 1,2-Dichloropropane	7.52	63	282627	51.437	ug/l	98
46) Dibromomethane	7.66	93	204728	50.655	ug/l	99
47) Bromodichloromethane	7.90	83	351339	52.361	ug/l	97
48) Methyl methacrylate	7.77	41	323169	54.022	ug/l	99
49) 1,4-Dioxane	7.76	88	161478	1032.322	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1984791	265.175	ug/l	99
52) Toluene	8.79	92	747335	51.233	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	371750	51.658	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	419043	53.069	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	307012	51.419	ug/l	97
56) Ethyl methacrylate	9.18	69	449069	53.214	ug/l	98
57) 1,3-Dichloropropane	9.37	76	493627	51.386	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1163328	259.334	ug/l	99
59) 2-Hexanone	9.49	43	1498382	261.645	ug/l	99
60) Dibromochloromethane	9.59	129	307471	49.272	ug/l	98
61) 1,2-Dibromoethane	9.67	107	336298	52.985	ug/l	100
64) Tetrachloroethene	9.34	164	327888	50.512	ug/l	97
65) Chlorobenzene	10.14	112	868162	50.059	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	295810	54.669	ug/l	99
67) Ethyl Benzene	10.25	91	1434898	50.633	ug/l	100
68) m/p-Xylenes	10.36	106	1132488	101.272	ug/l	100
69) o-Xylene	10.70	106	557652	50.500	ug/l	98
70) Styrene	10.71	104	898881	51.453	ug/l	99
71) Bromoform	10.86	173	214050	44.404	ug/l #	99
73) Isopropylbenzene	11.02	105	1484819	52.723	ug/l	99
74) N-amyl acetate	10.90	43	552385	54.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	450217	53.753	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	411387m	53.773	ug/l	
77) Bromobenzene	11.26	156	393528	51.686	ug/l	99
78) n-propylbenzene	11.36	91	1636510	52.769	ug/l	99
79) 2-Chlorotoluene	11.42	91	957474	50.946	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1211533	52.229	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	109815	44.218	ug/l	97
82) 4-Chlorotoluene	11.51	91	1104068	51.214	ug/l	100
83) tert-Butylbenzene	11.77	119	1230231	52.990	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1250221	51.241	ug/l	100
85) sec-Butylbenzene	11.94	105	1491706	52.406	ug/l	99
86) p-Isopropyltoluene	12.06	119	1325621	52.980	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	701303	51.107	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	700449	49.793	ug/l	99
89) n-Butylbenzene	12.39	91	1125446	52.852	ug/l	100
90) Hexachloroethane	12.60	117	188993	48.377	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	688491	50.156	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	91026	52.524	ug/l	99

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VSTDCCC050

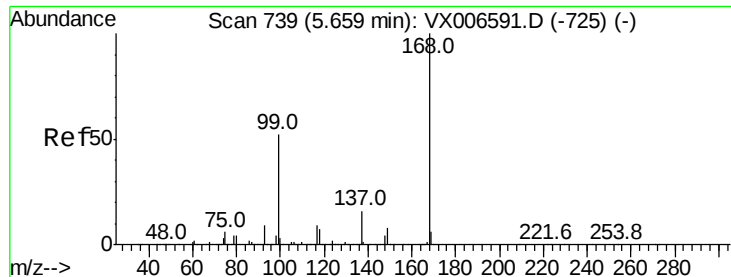
Manual Integrations
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Quant Time: Dec 21 04:40:03 2018
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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	492360	51.998	ug/l	99
94) Hexachlorobutadiene	13.78	225	220662	49.442	ug/l	99
95) Naphthalene	13.83	128	1565674	51.808	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	492712	50.398	ug/l	99

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



#1

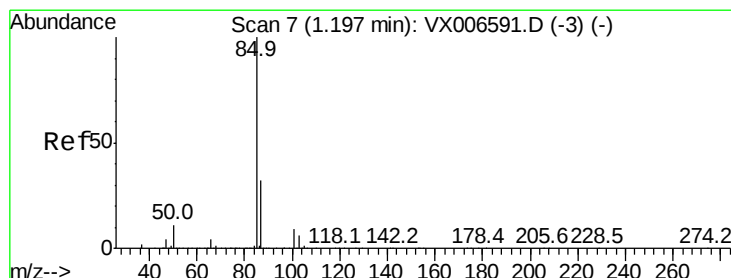
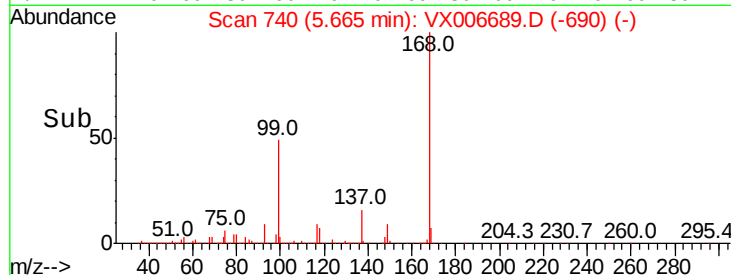
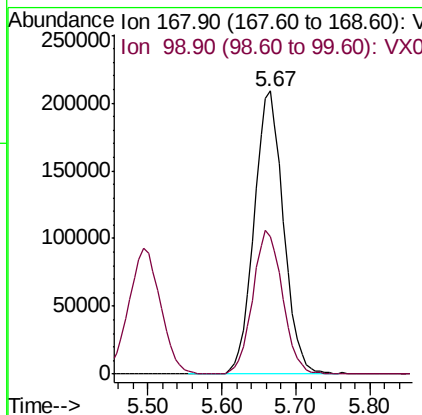
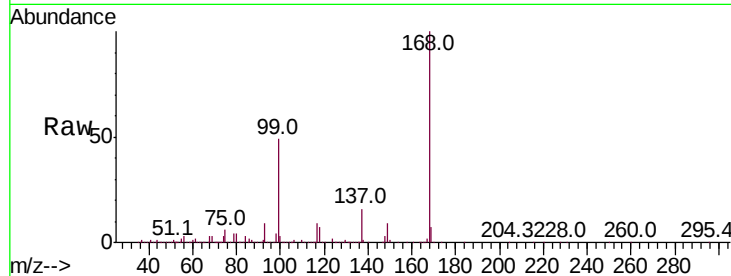
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.4	41.8	62.8

Manual Integrations
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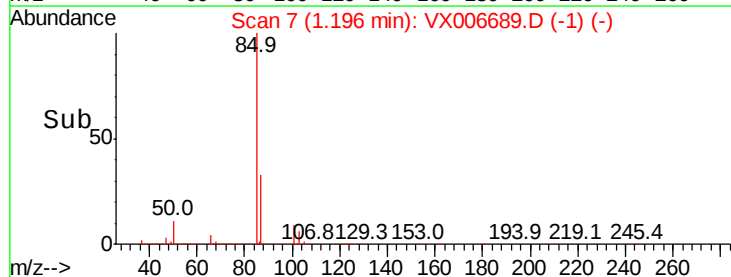
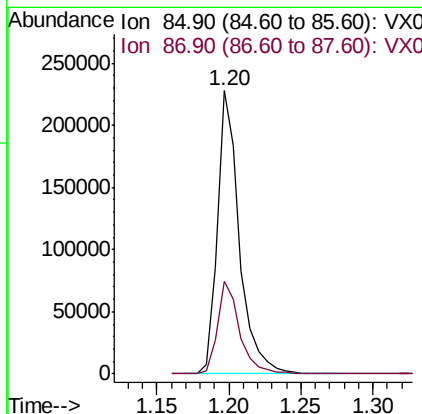
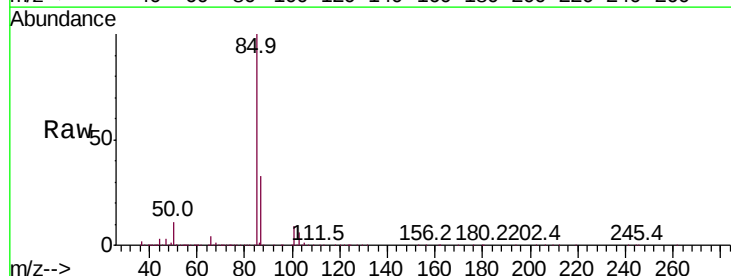
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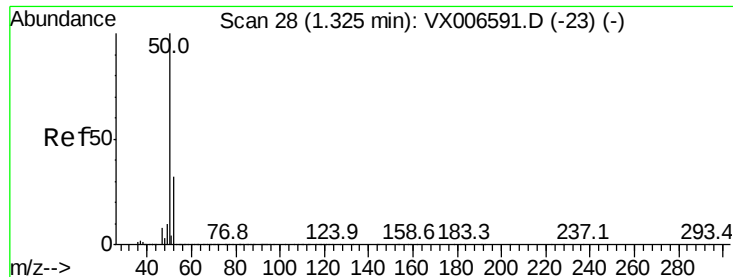


#2

Dichlorodifluoromethane
 Concen: 46.038 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.9	47.6





#3

Chloromethane

Concen: 46.235 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 263050

Ion Ratio Lower Upper

50 100

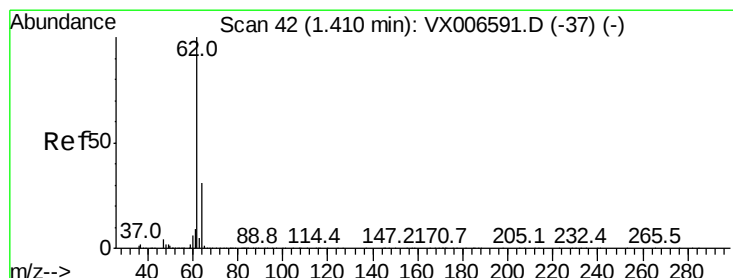
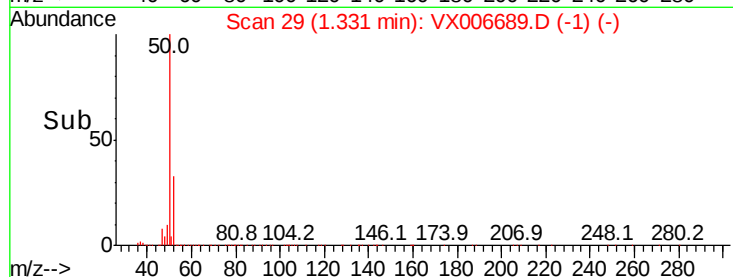
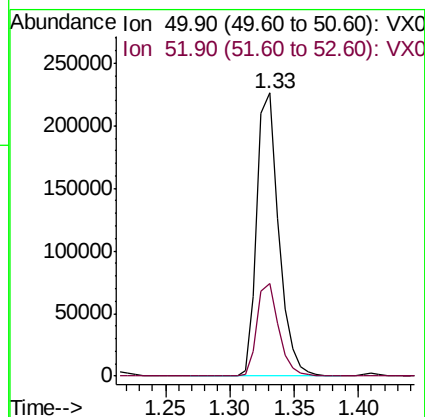
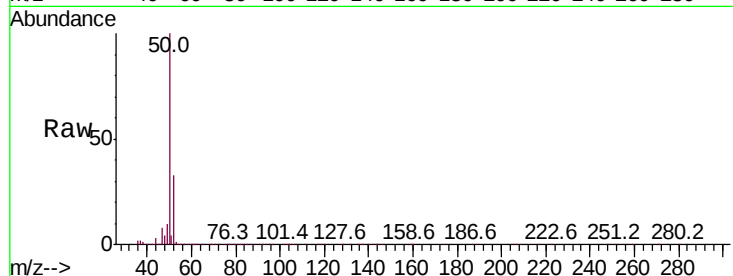
52 32.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.100 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006689.D

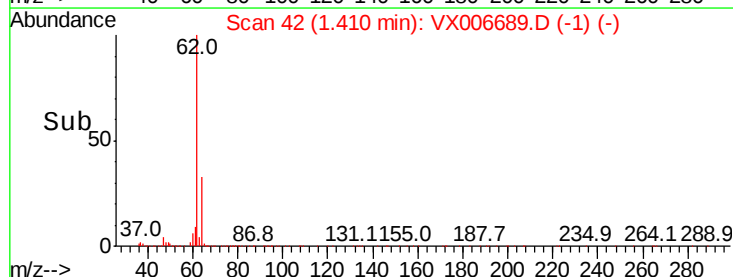
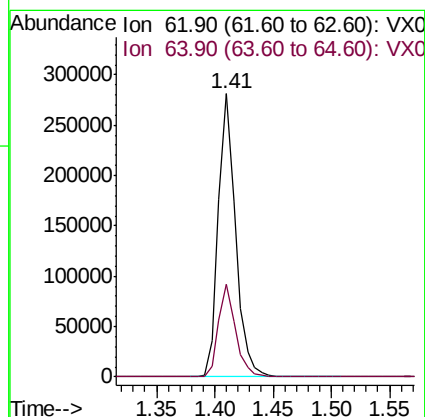
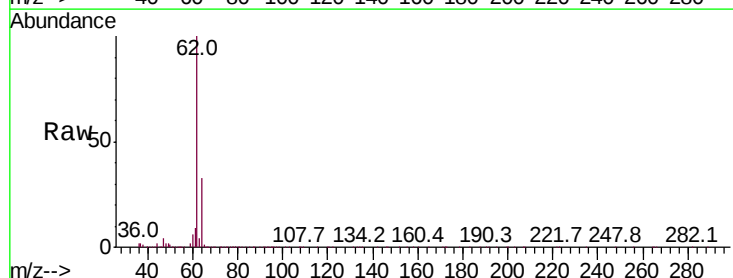
Acq: 20 Dec 2018 21:34

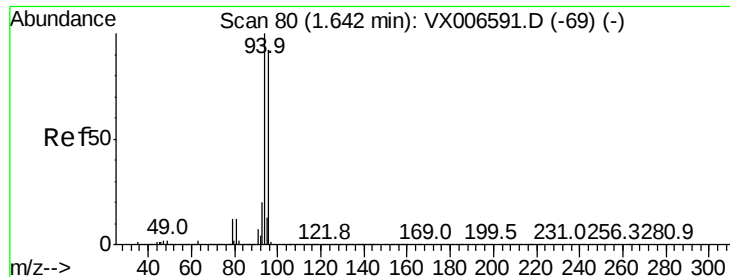
Tgt Ion: 62 Resp: 285812

Ion Ratio Lower Upper

62 100

64 32.7 25.1 37.7





#5

Bromomethane

Concen: 51.231 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 283821

Ion Ratio Lower Upper

94 100

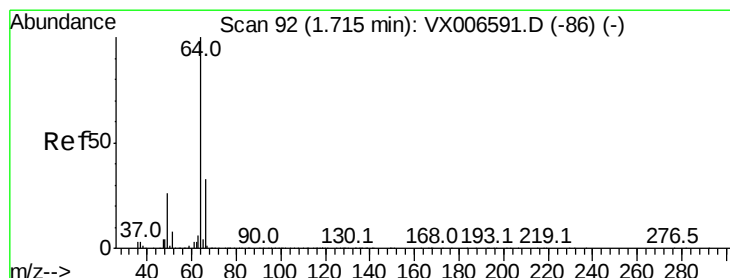
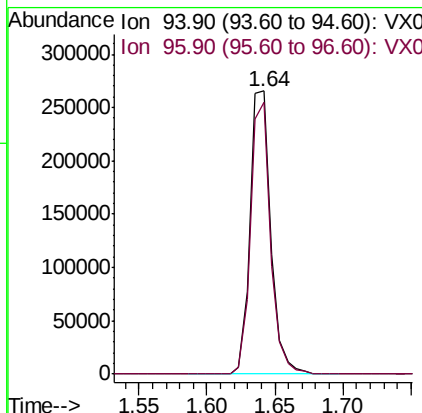
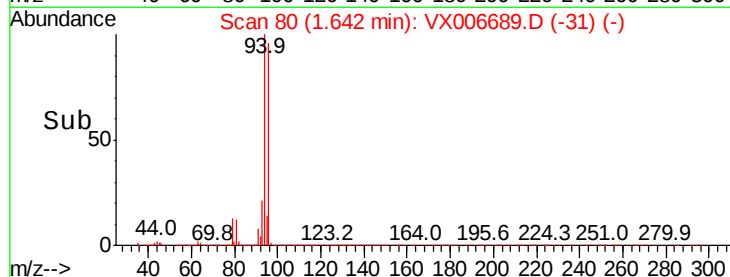
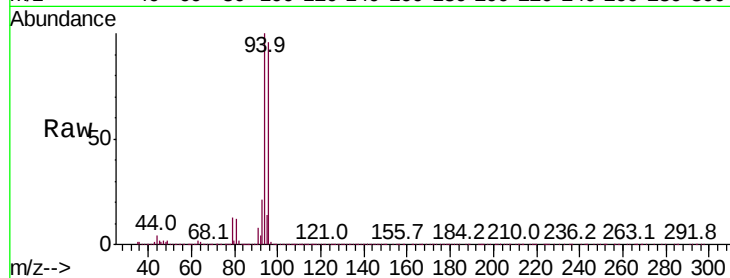
96 96.0 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 46.324 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006689.D

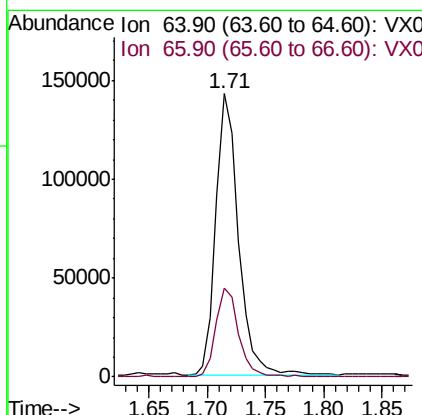
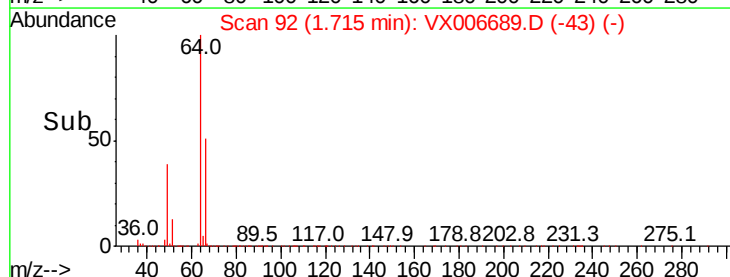
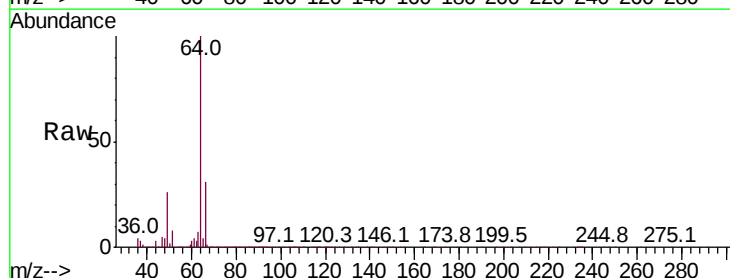
Acq: 20 Dec 2018 21:34

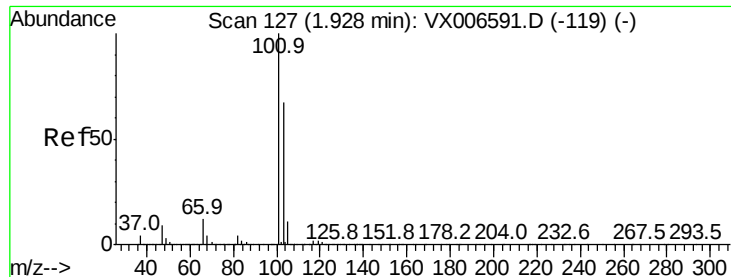
Tgt Ion: 64 Resp: 190596

Ion Ratio Lower Upper

64 100

66 31.3 26.4 39.6





#7

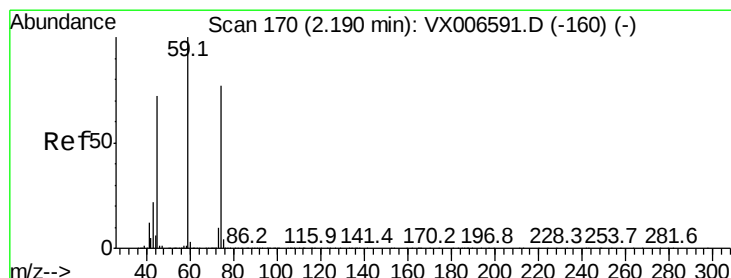
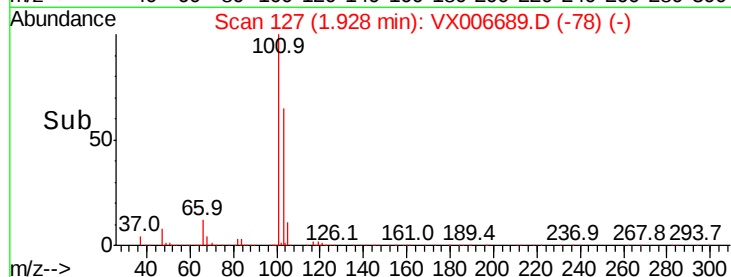
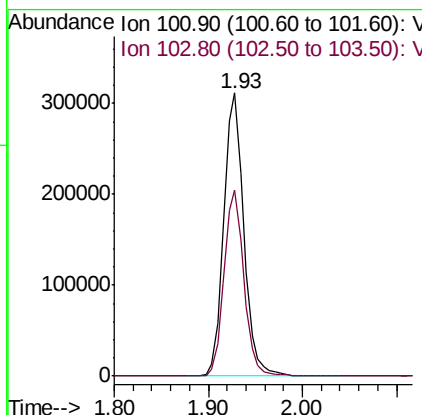
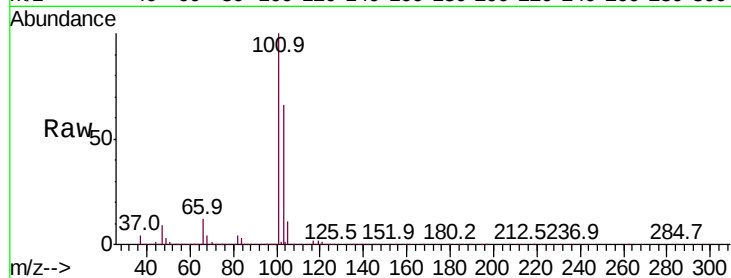
Trichlorofluoromethane
Concen: 49.464 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.2	79.8

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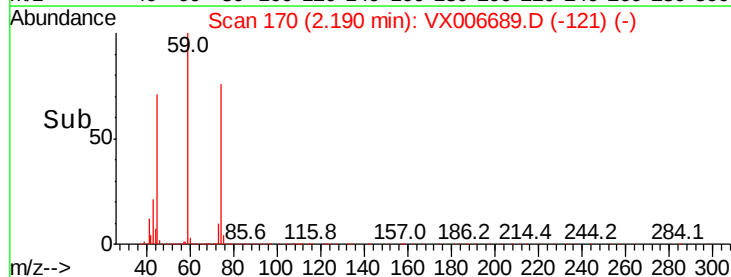
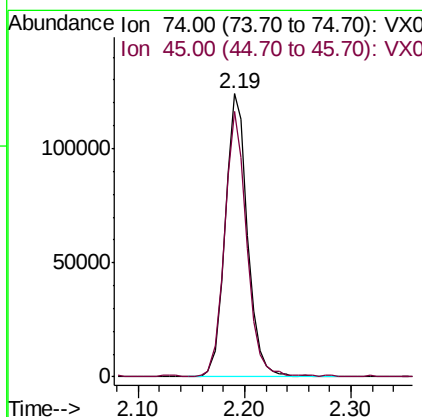
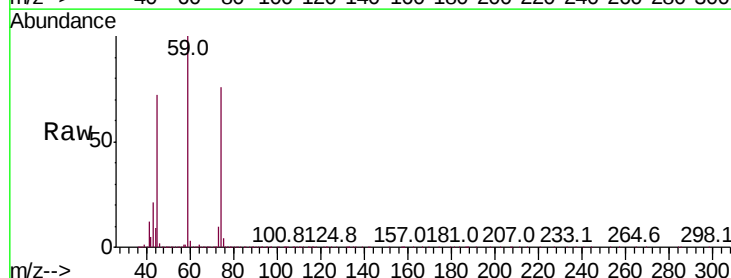
MMDadoda
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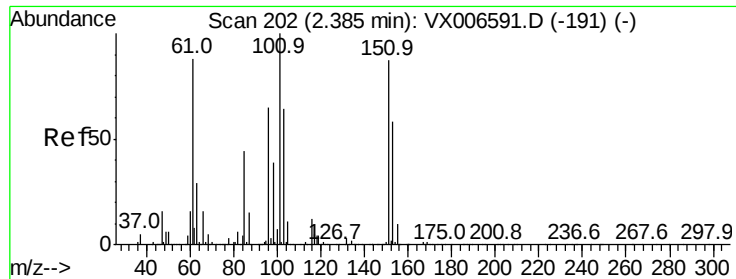


#8

Diethyl Ether
Concen: 49.327 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.050 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

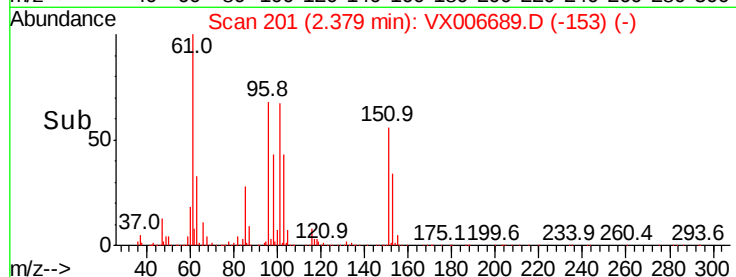
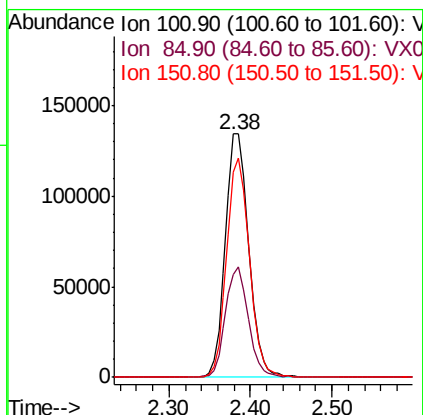
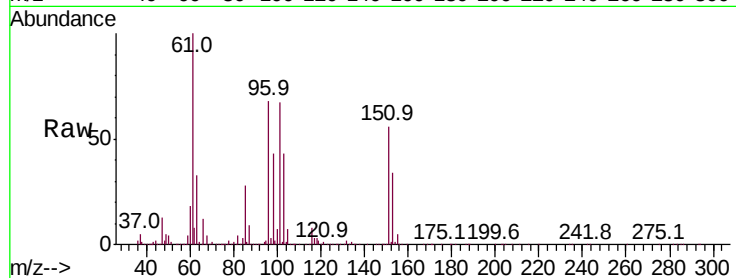
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	266808
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.1	52.7
151	87.5	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 51.735 ug/l

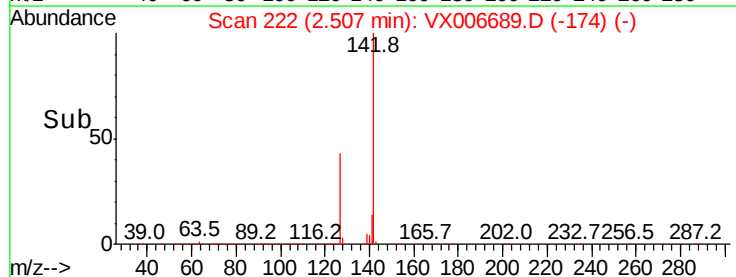
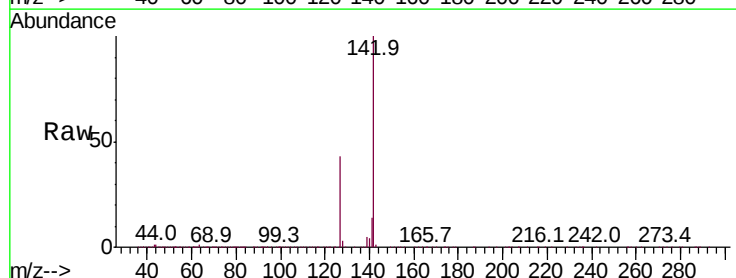
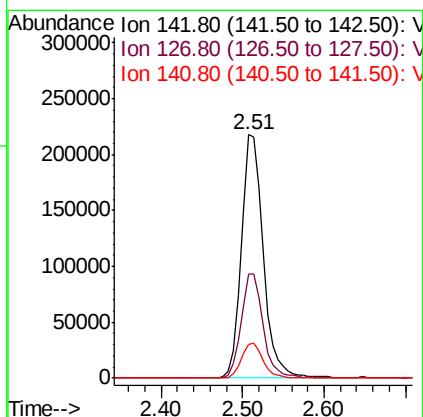
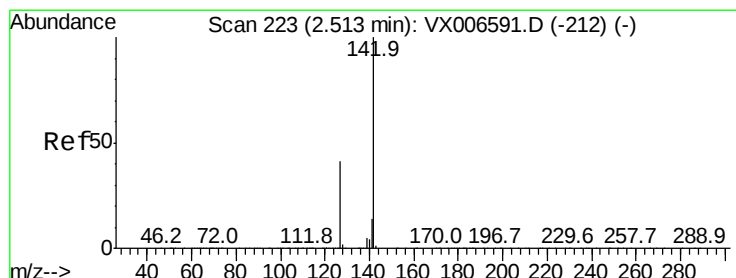
RT: 2.51 min Scan# 222

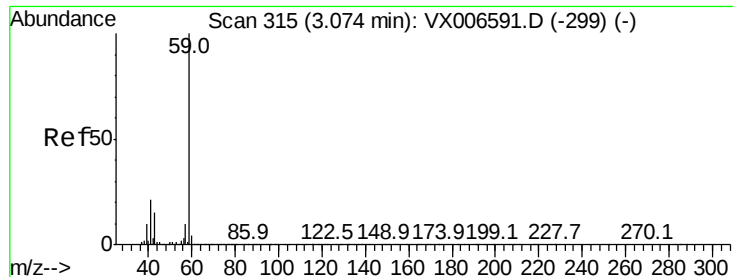
Delta R.T. -0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion:	142	Resp:	402831
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.9	50.9
141	14.1	11.4	17.0





#11

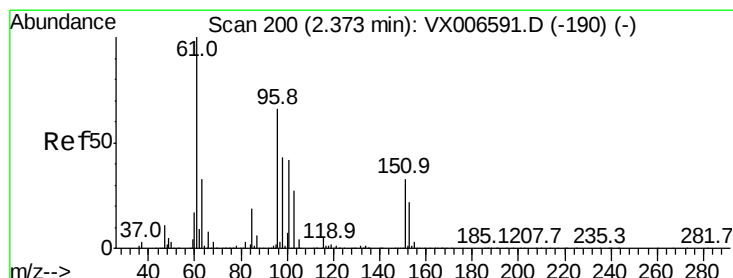
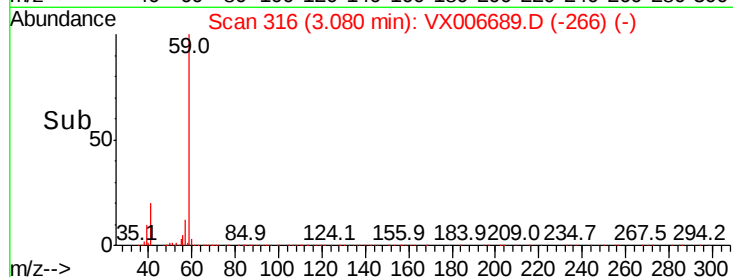
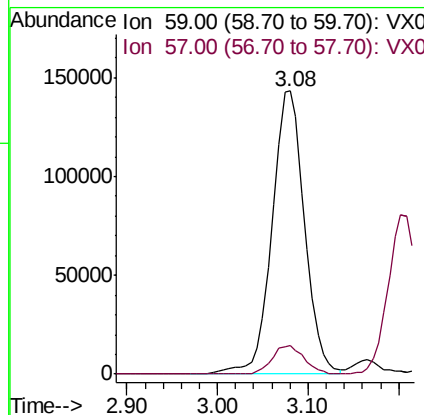
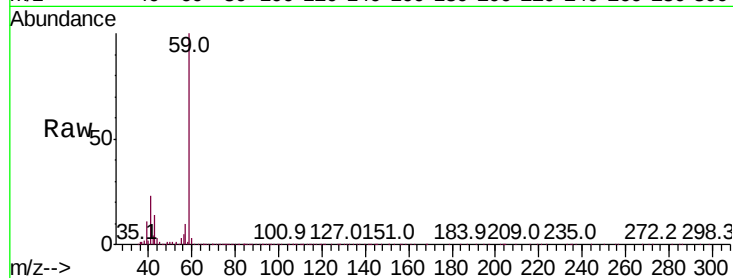
Tert butyl alcohol
 Concen: 255.926 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

Manual Integrations
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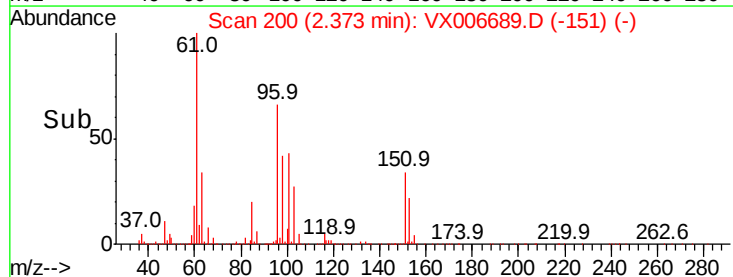
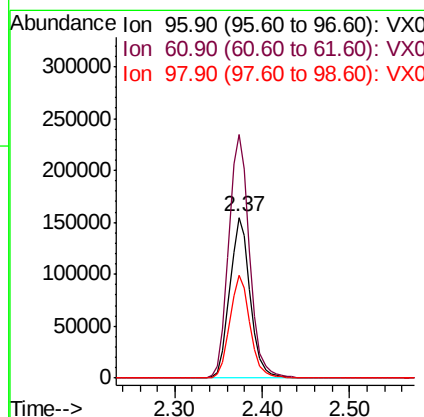
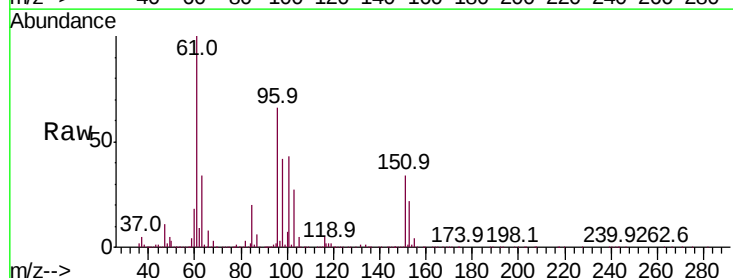
MMDadoda
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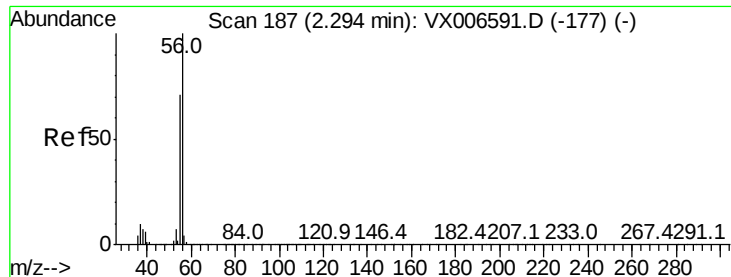


#12

1,1-Dichloroethene
 Concen: 48.543 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	121.4	182.2
98	64.3	51.9	77.9





#13

Acrolein

Concen: 217.511 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 203736

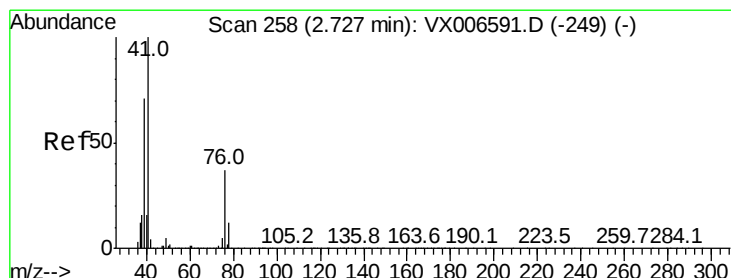
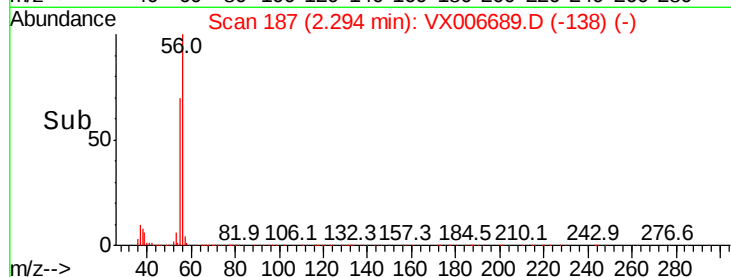
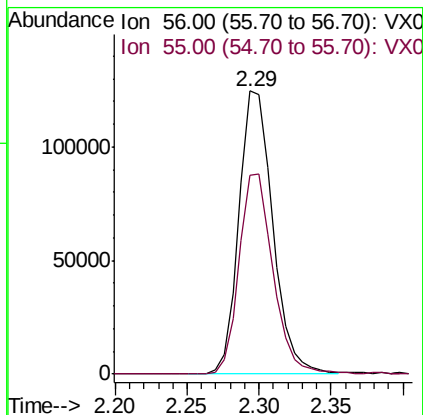
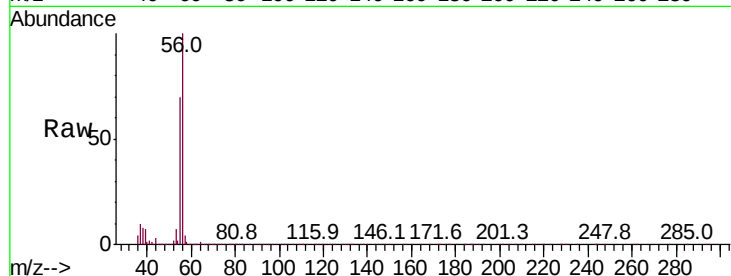
Ion Ratio Lower Upper

56 100

55 70.8 58.2 87.4

Manual Integrations
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#14

Allyl chloride

Concen: 49.954 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

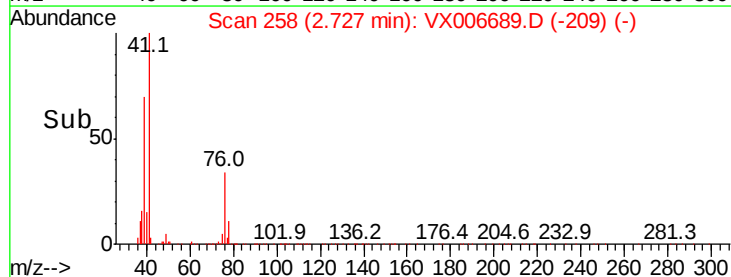
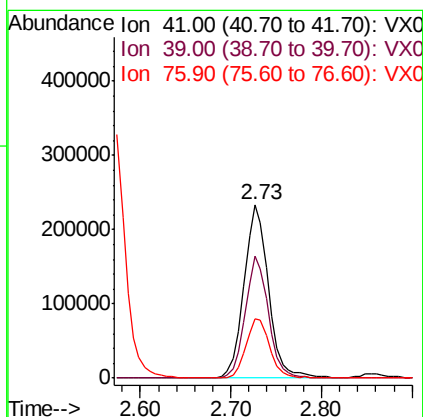
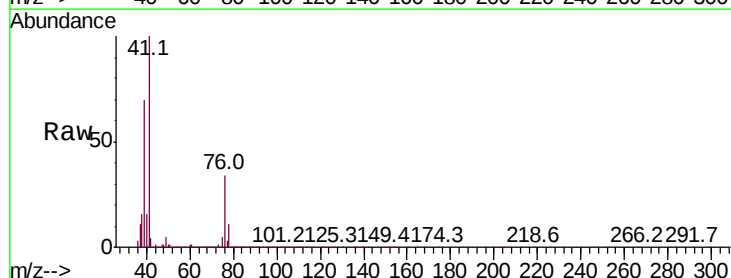
Tgt Ion: 41 Resp: 433677

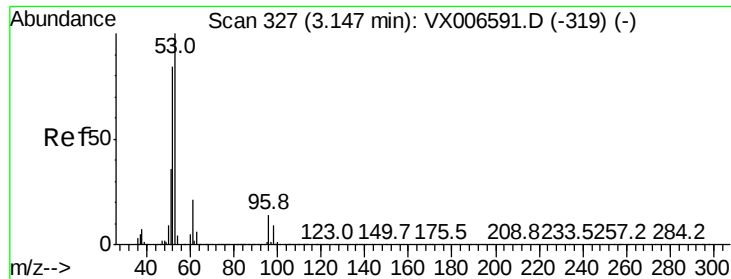
Ion Ratio Lower Upper

41 100

39 66.3 53.6 80.4

76 33.4 27.4 41.2





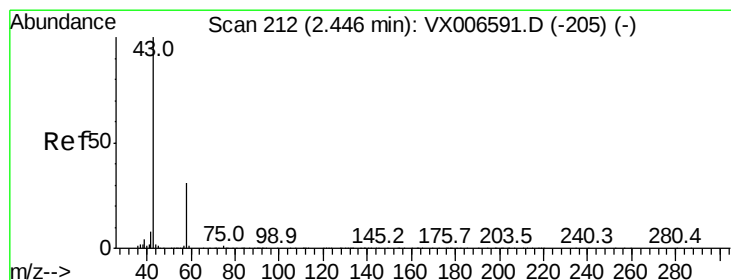
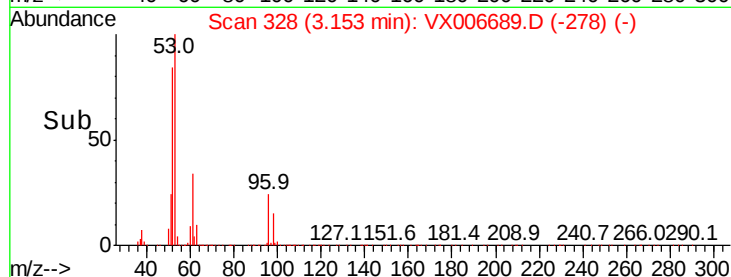
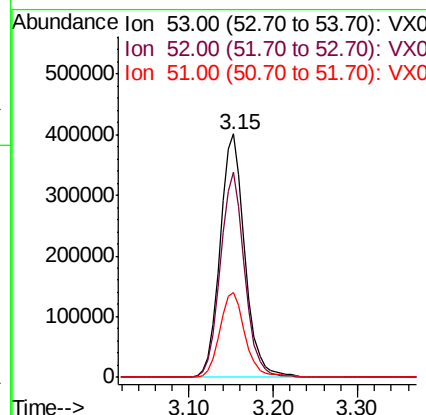
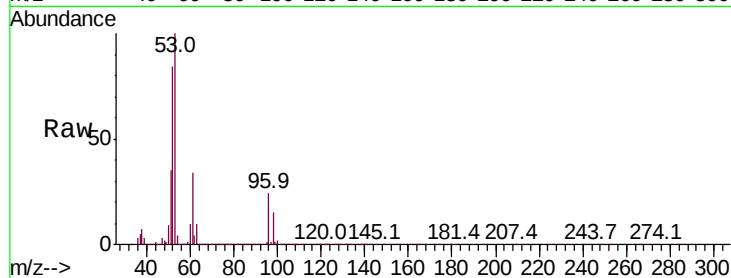
#15
Acrylonitrile
Concen: 263.016 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.0	99.0
51	35.8	28.6	42.8

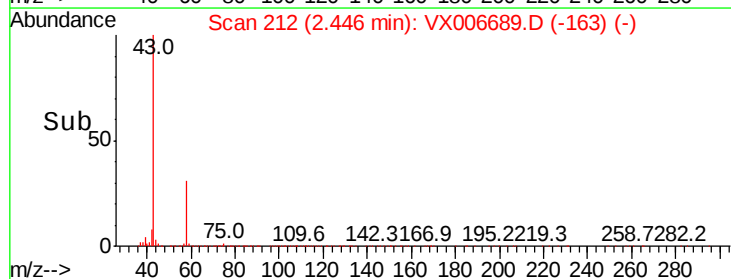
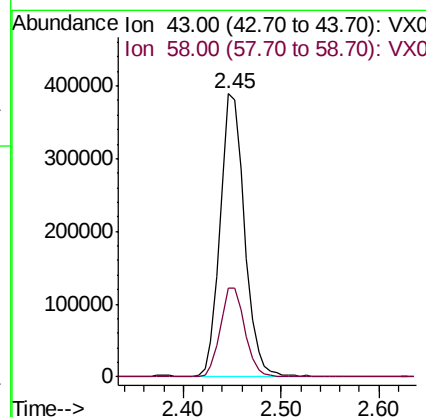
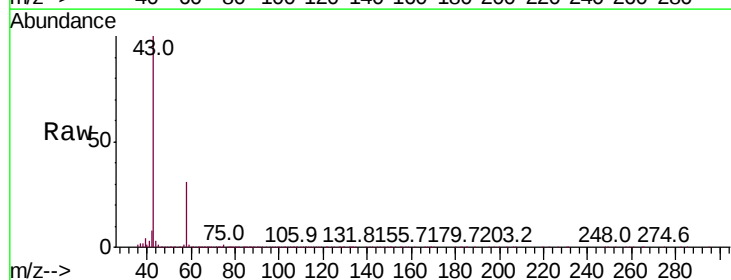
Manual Integrations
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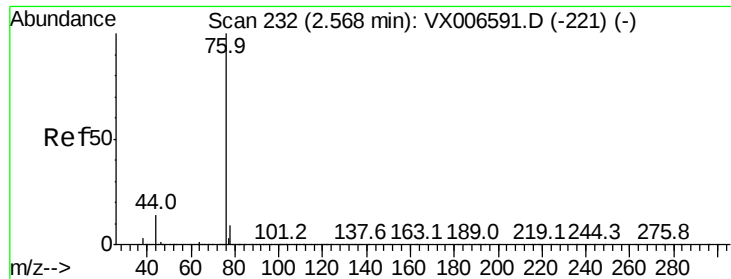
MMDadoda
12/21/2018 10:19:16 AM



#16
Acetone
Concen: 235.658 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.0	37.6





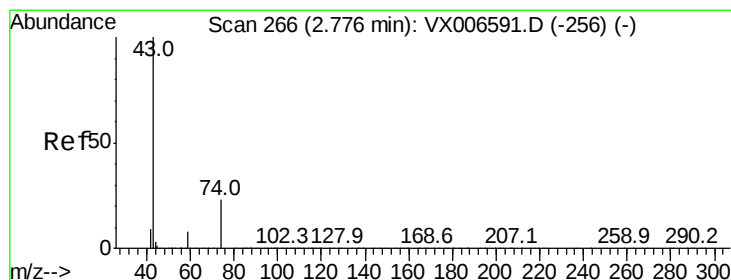
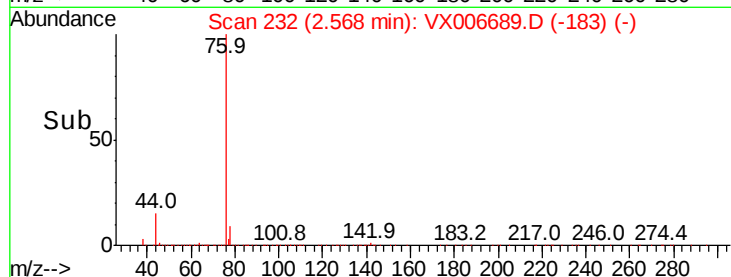
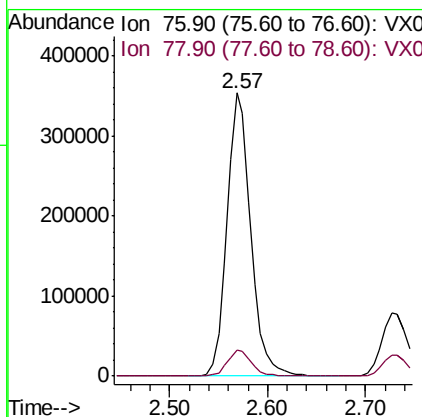
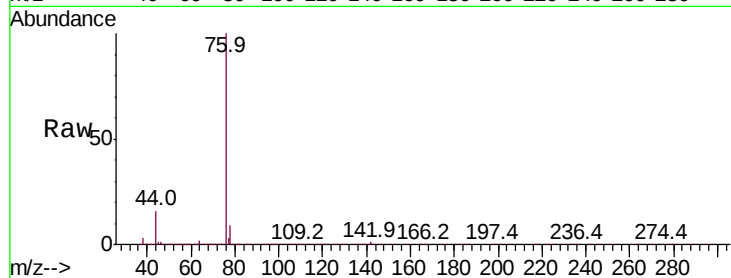
#17
Carbon Disulfide
Concen: 43.398 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

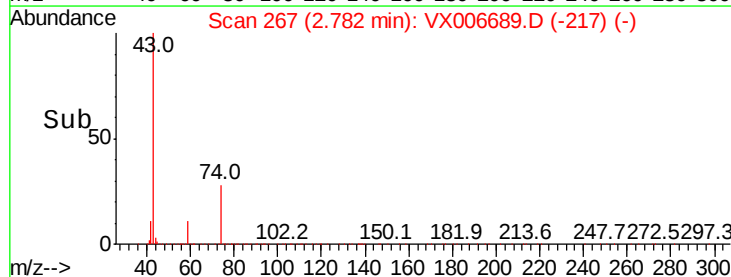
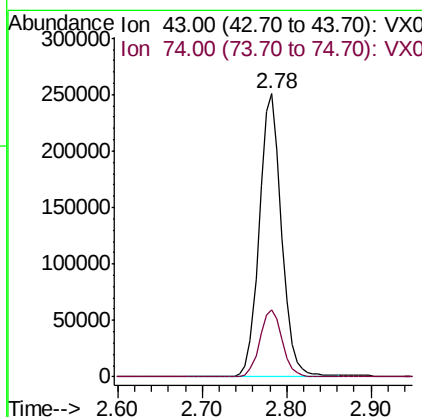
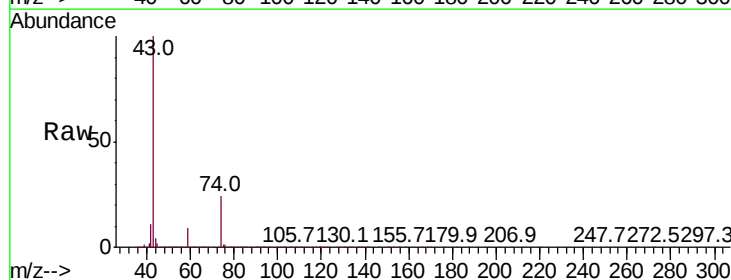
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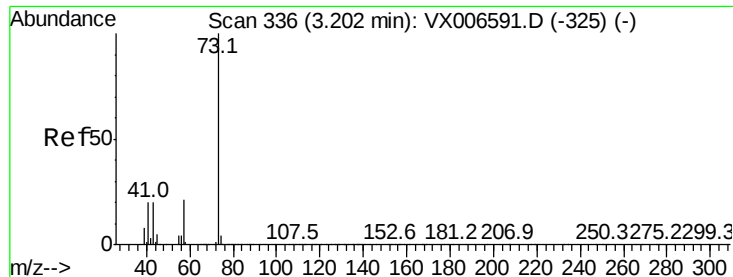
MMDadoda
12/21/2018 10:19:16 AM



#18
Methyl Acetate
Concen: 53.976 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.6	28.0





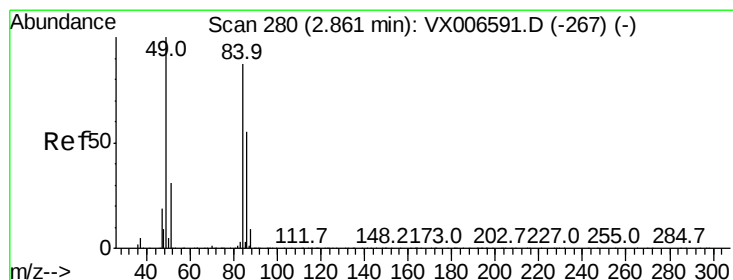
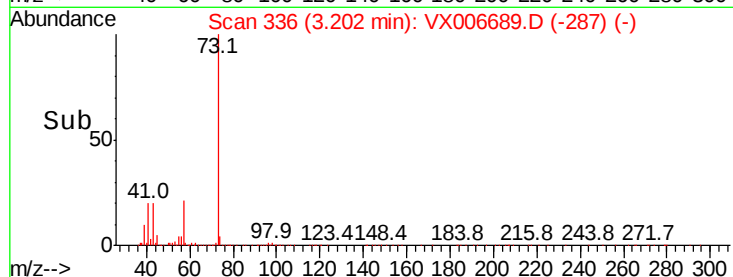
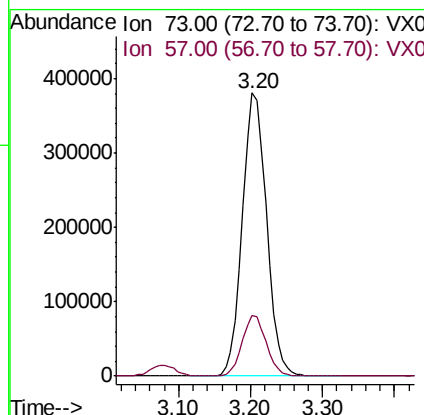
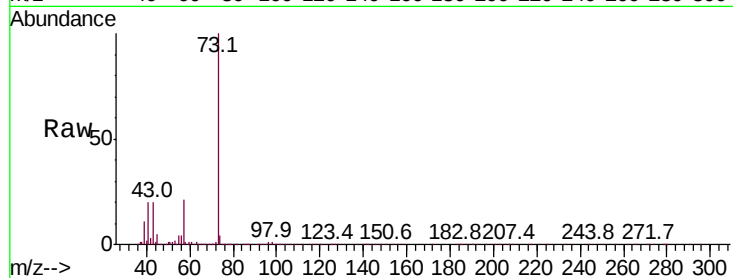
#19
Methvl tert-butvl Ether
Concen: 52.117 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.8	25.2

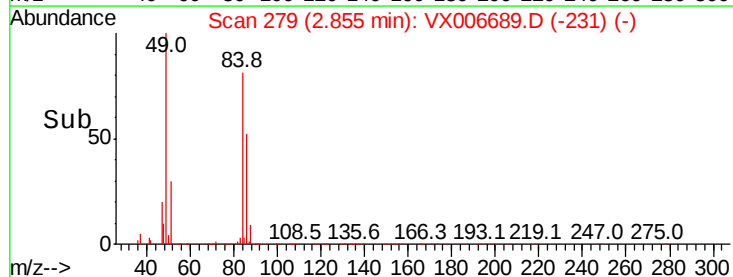
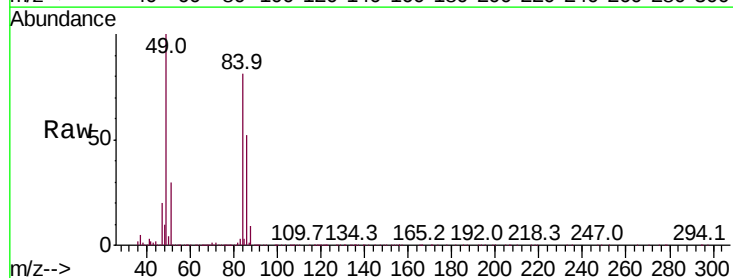
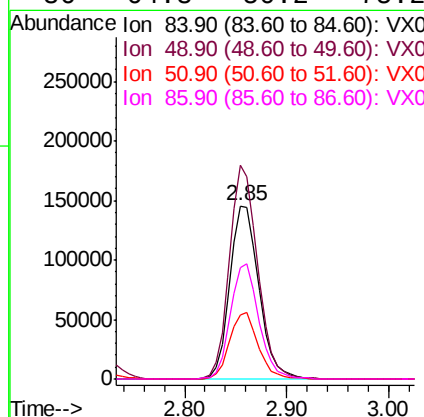
Manual Integrations
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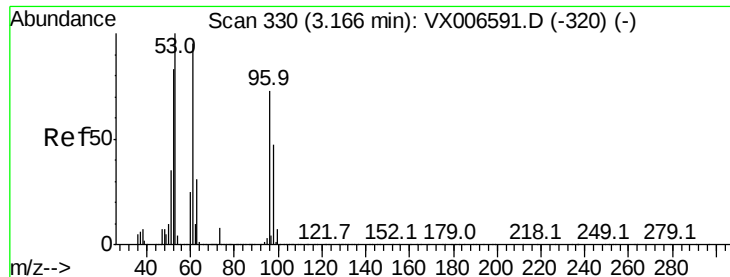
MMDadoda
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#20
Methylene Chloride
Concen: 48.470 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	91.8	137.6
51	37.2	28.5	42.7
86	64.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 47.486 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 271368

Ion Ratio Lower Upper

96 100

61 129.8 103.7 155.5

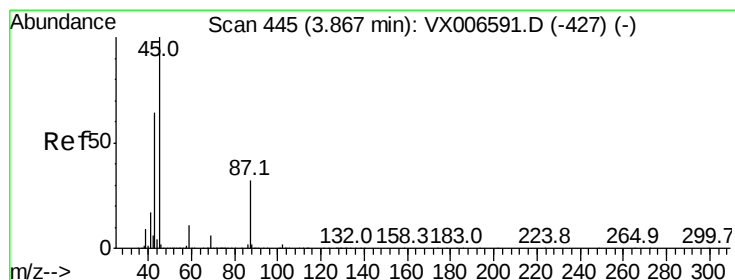
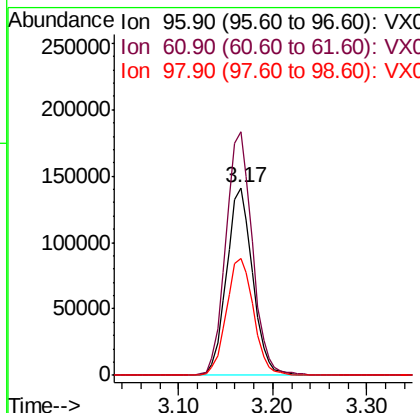
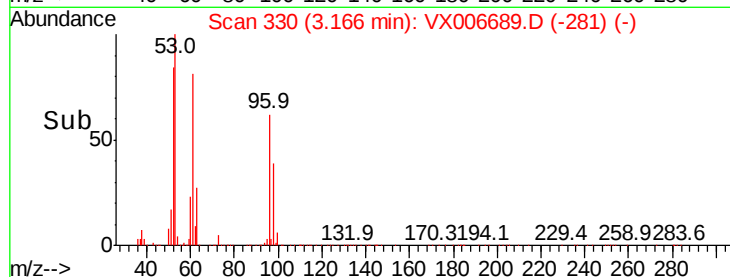
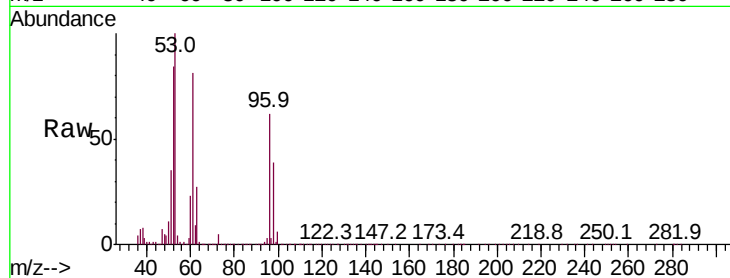
98 62.0 51.0 76.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.992 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion: 45 Resp: 841637

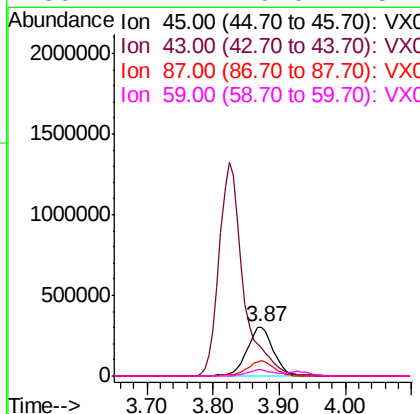
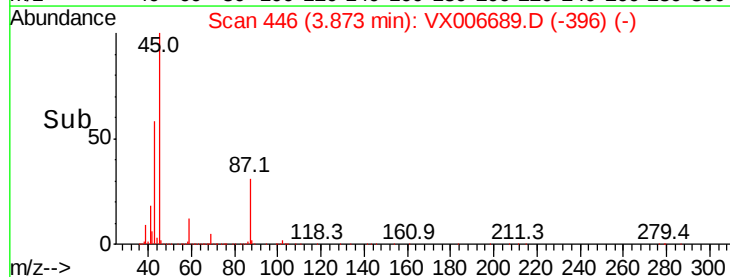
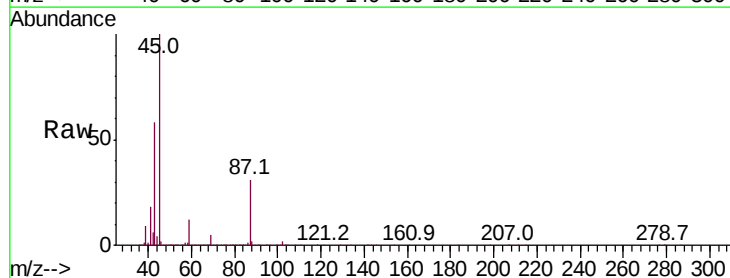
Ion Ratio Lower Upper

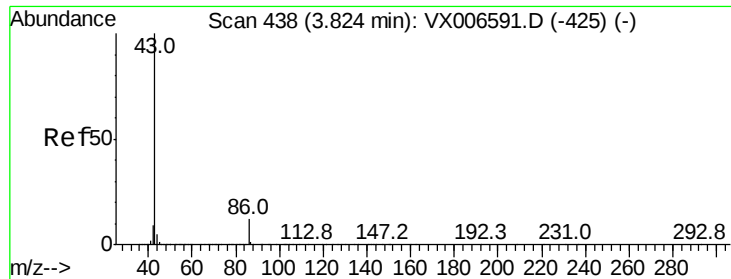
45 100

43 57.9 51.2 76.8

87 30.7 25.8 38.6

59 12.4 9.0 13.4





#23

Vinyl Acetate

Concen: 260.075 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 3378720

Ion Ratio Lower Upper

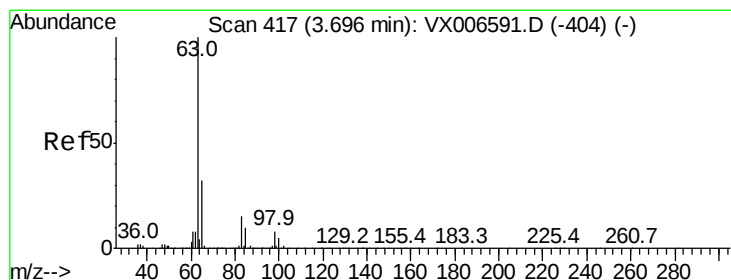
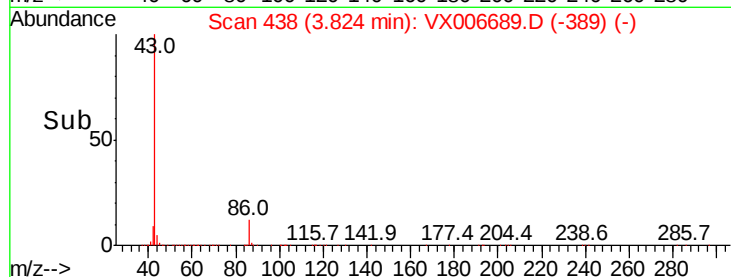
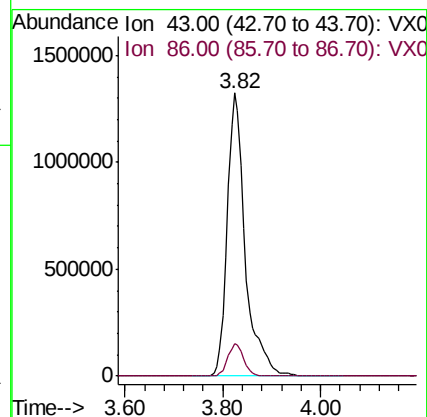
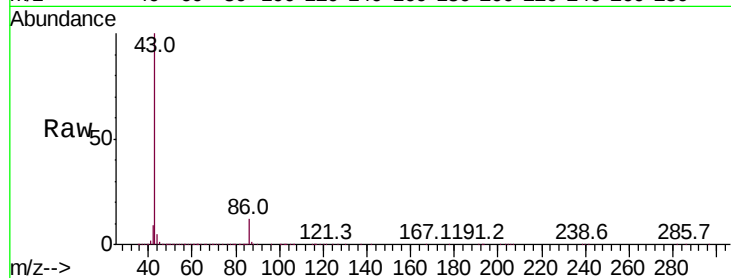
43 100

86 11.6 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 48.966 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

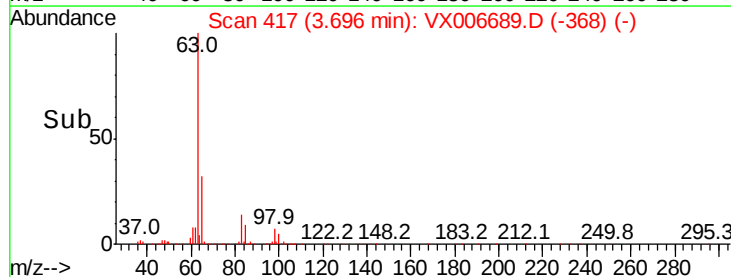
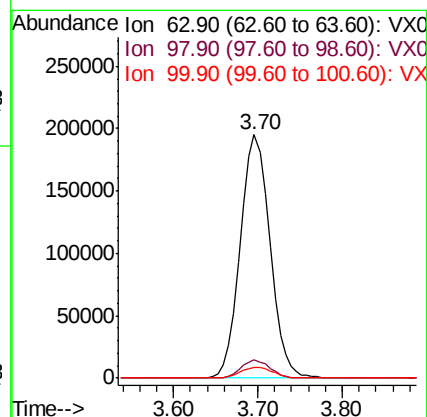
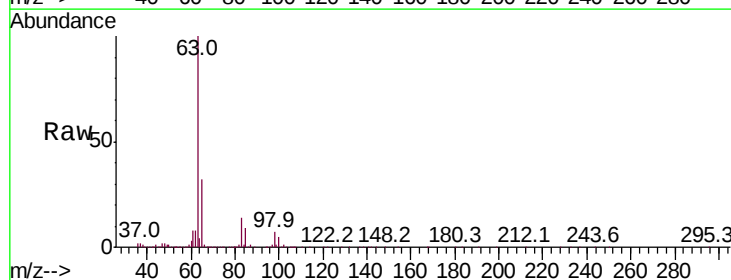
Tgt Ion: 63 Resp: 464248

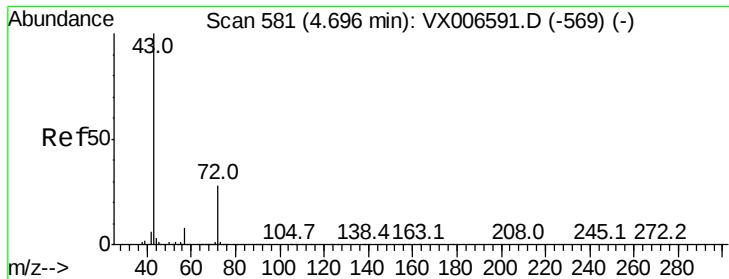
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 255.308 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1026498

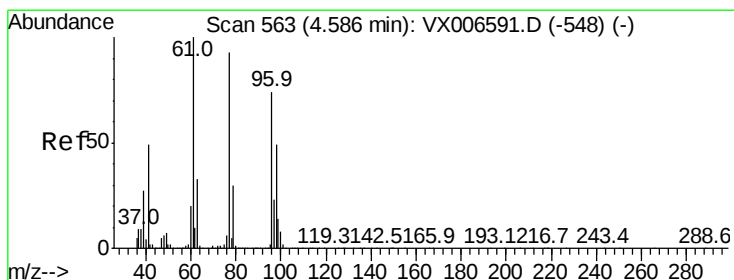
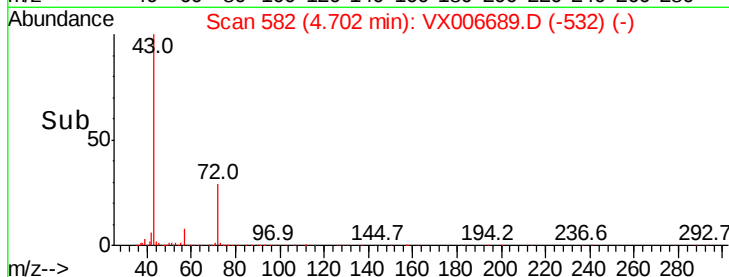
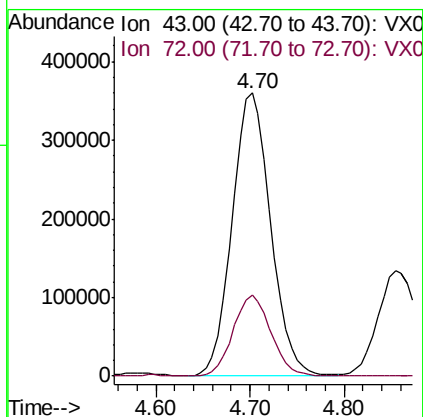
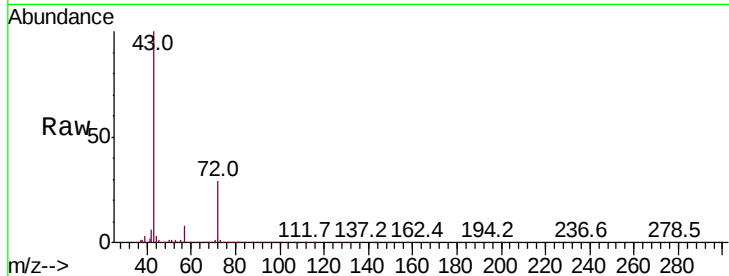
Ion Ratio Lower Upper

43 100

72 28.7 22.4 33.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 43.286 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006689.D

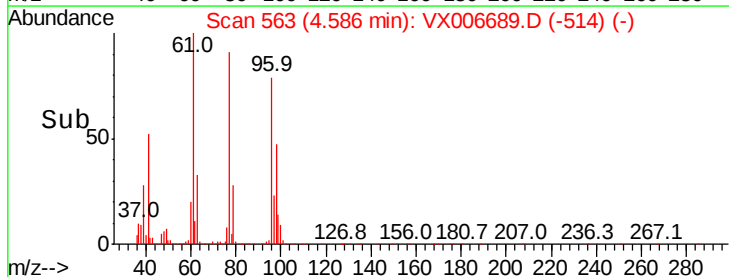
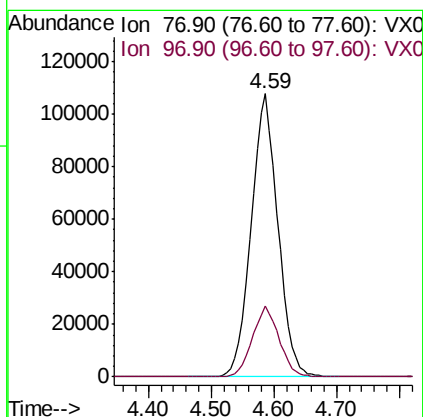
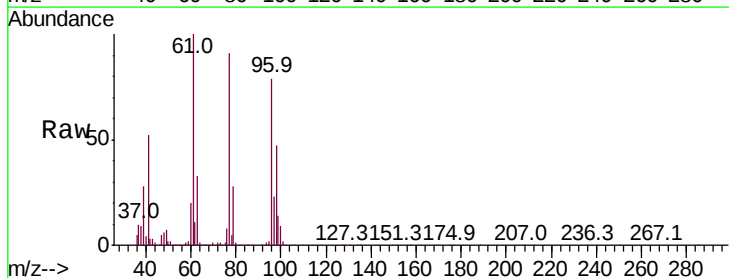
Acq: 20 Dec 2018 21:34

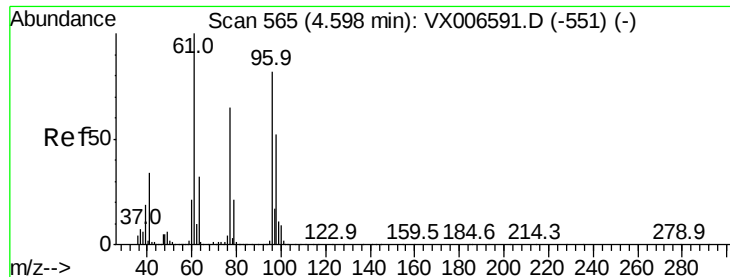
Tgt Ion: 77 Resp: 317017

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4





#27

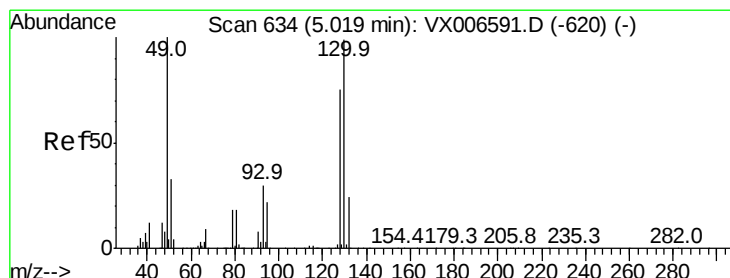
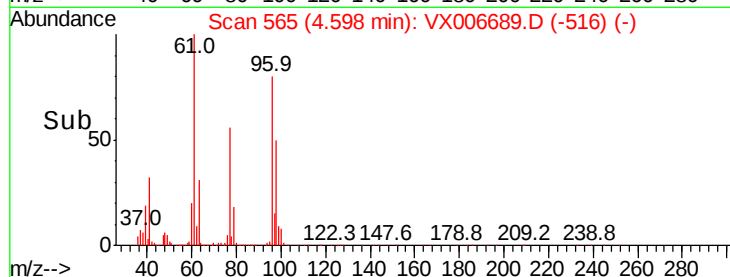
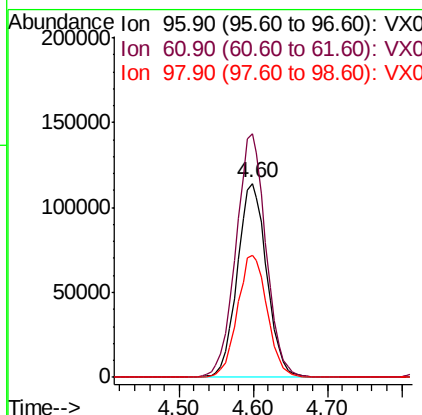
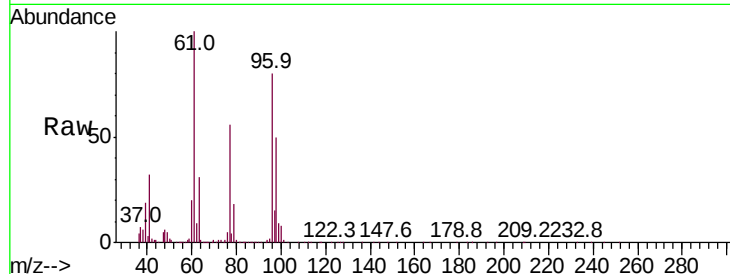
cis-1,2-Dichloroethene
Concen: 50.223 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	316665		
61	128.5	0.0	258.6	
98	64.0	0.0	132.0	

Manual Integrations
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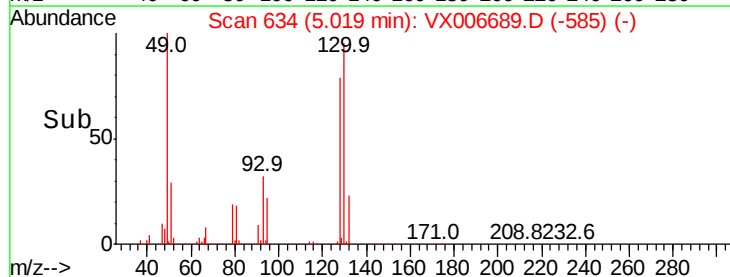
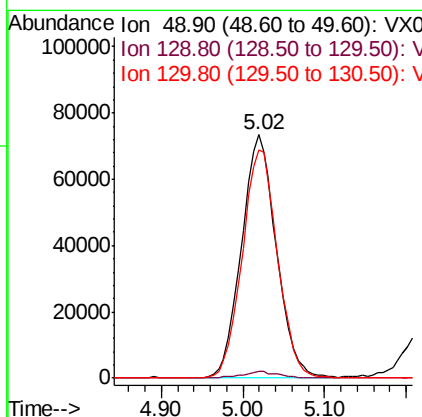
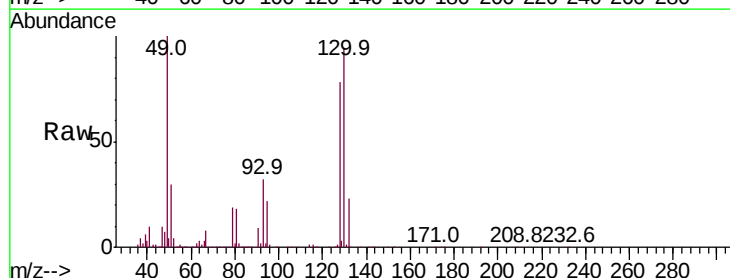
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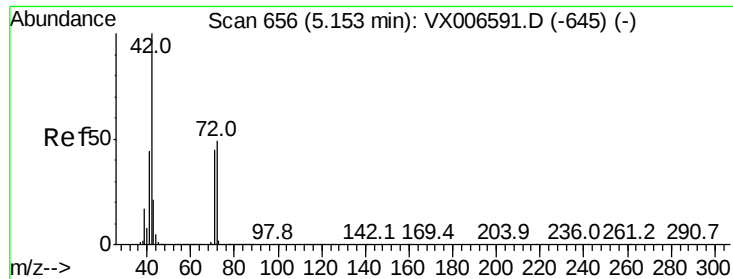


#28

Bromochloromethane
Concen: 54.839 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	218456		
129	2.8	0.0	5.4	
130	94.8	77.7	116.5	





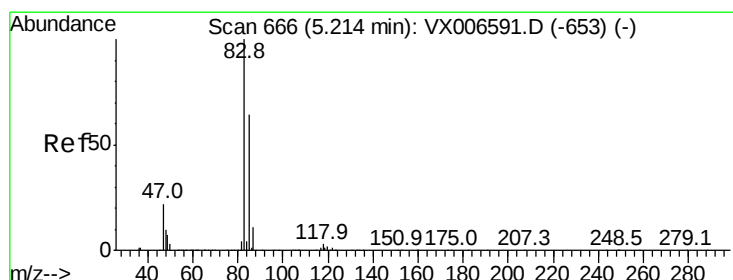
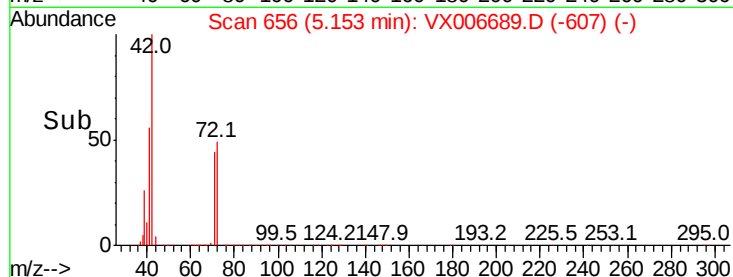
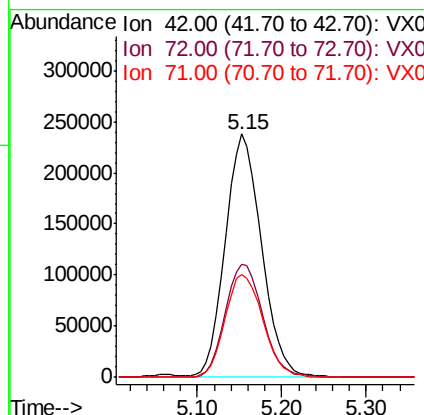
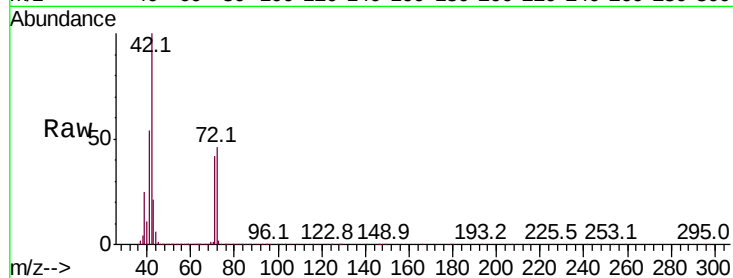
#29
Tetrahydrofuran
Concen: 262.046 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	38.9	58.3
71	44.2	36.2	54.4

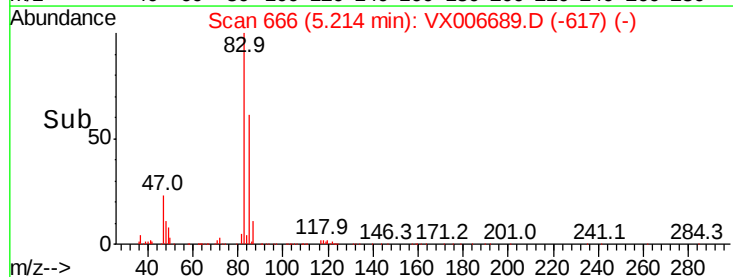
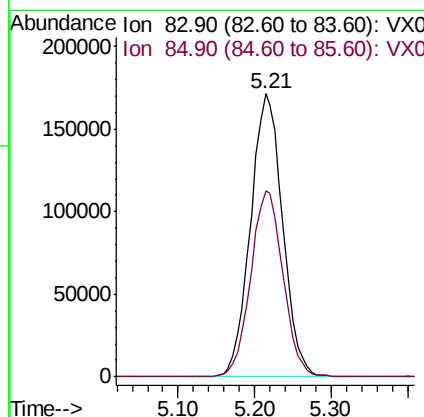
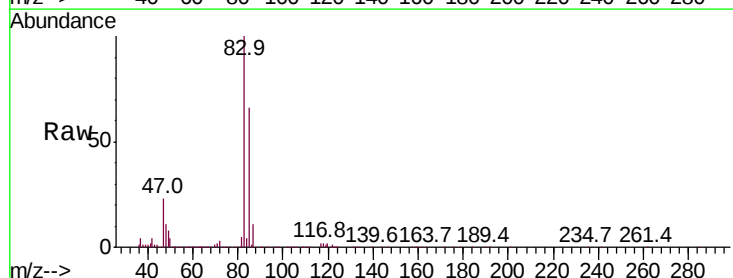
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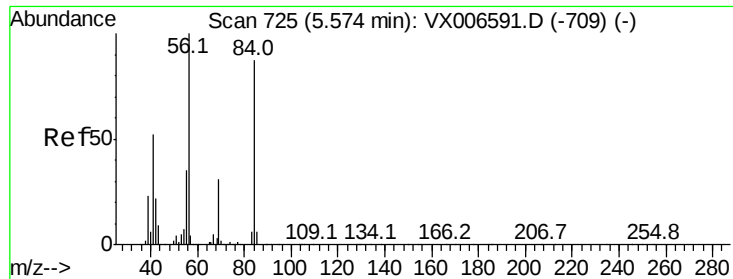
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#30
Chloroform
Concen: 50.891 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.2	76.8





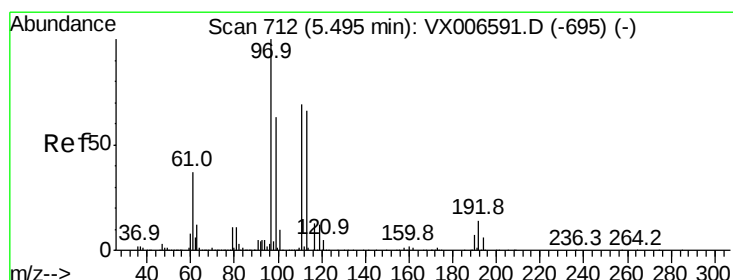
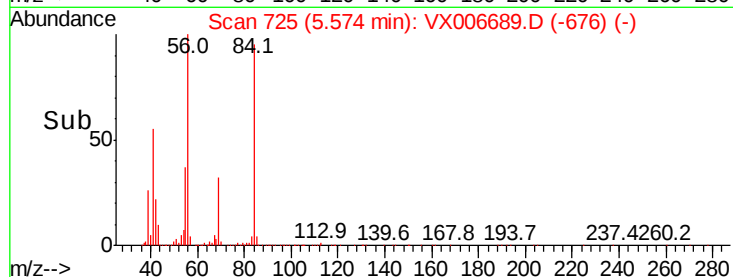
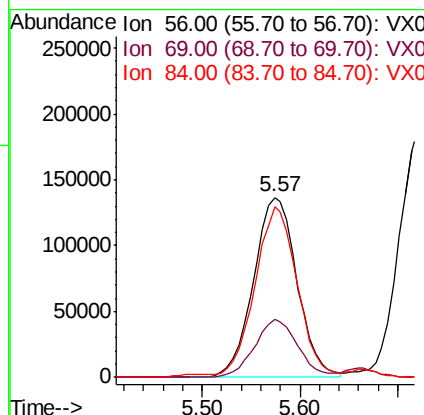
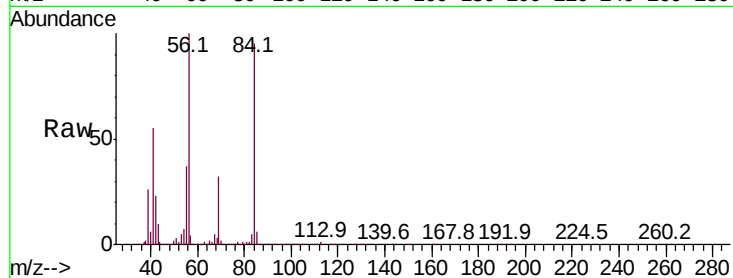
#31
Cyclohexane
Concen: 48.838 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.4	36.6
84	93.5	70.0	105.0

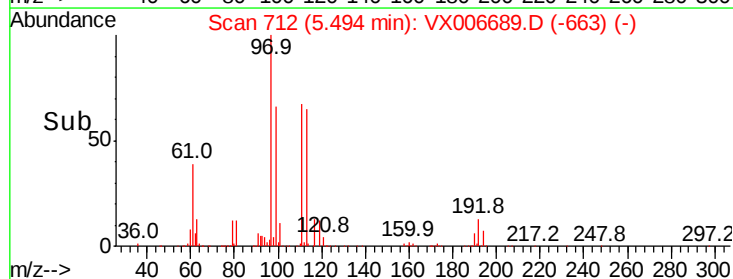
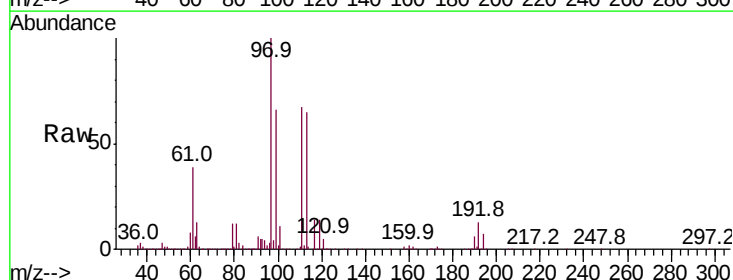
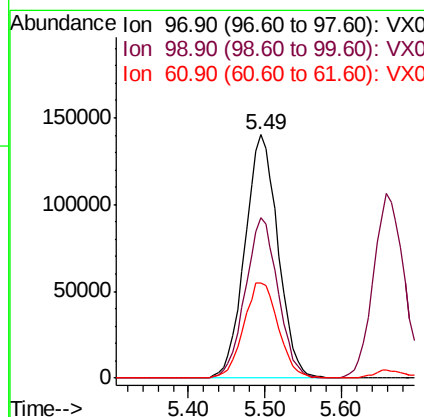
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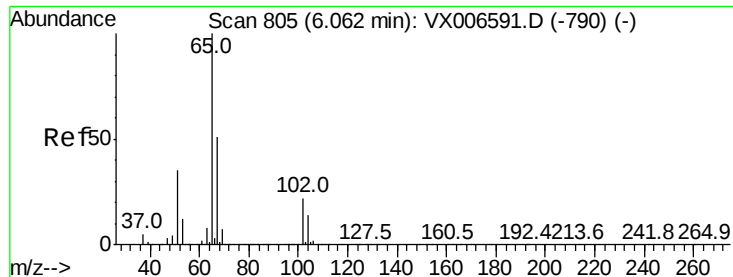
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#32
1,1,1-Trichloroethane
Concen: 50.784 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.7	77.5
61	40.8	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.913 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 316755

Ion Ratio Lower Upper

65 100

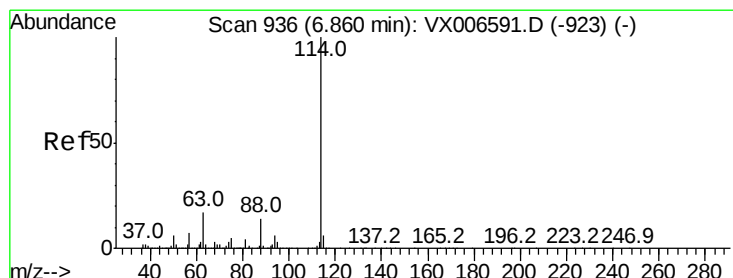
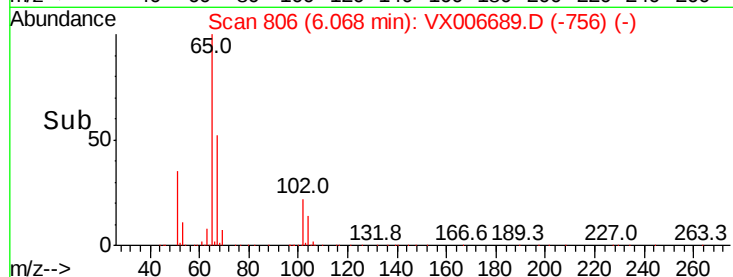
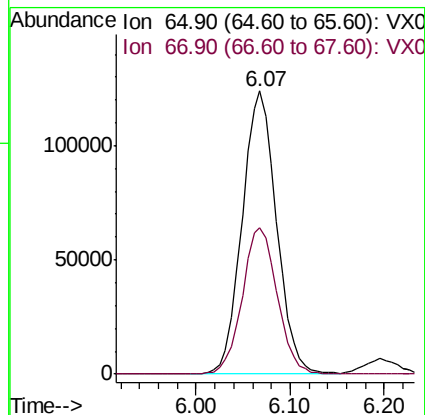
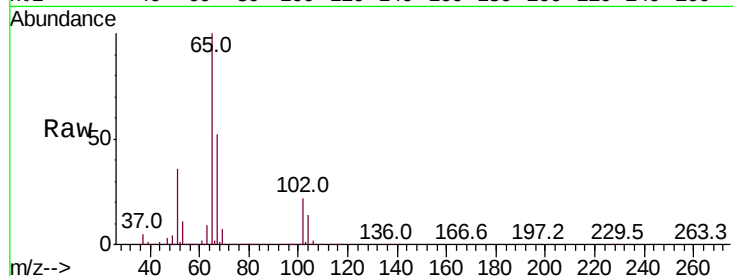
67 52.5 0.0 105.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

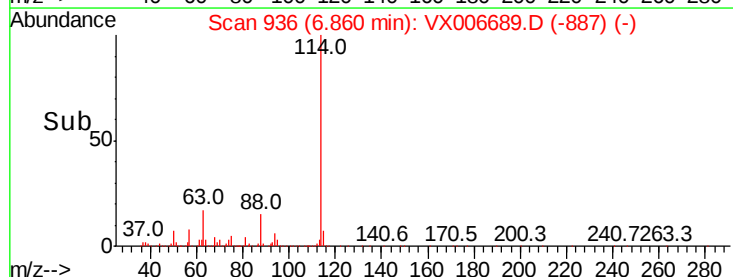
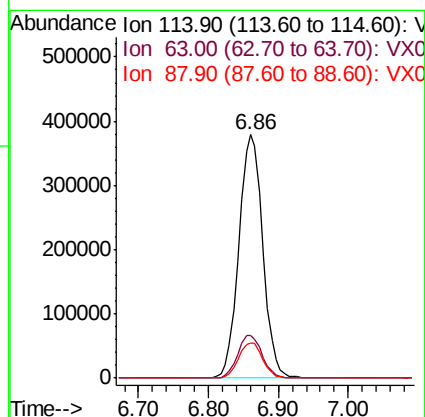
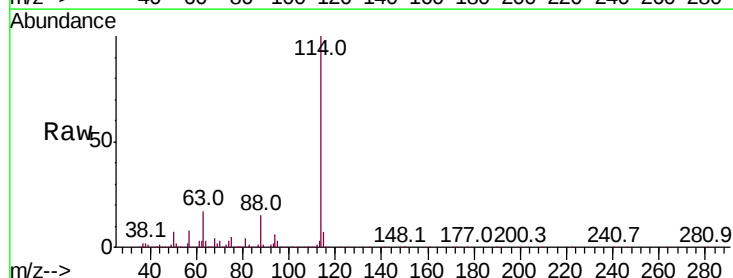
Tgt Ion: 114 Resp: 896871

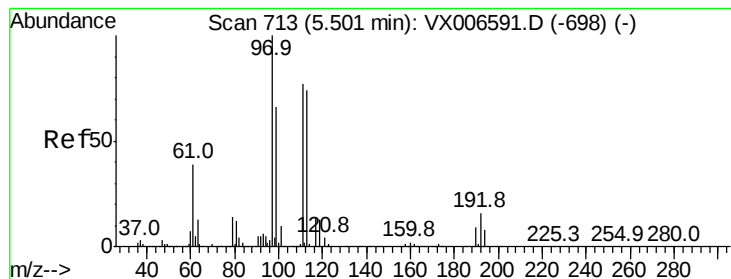
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.8

88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 50.524 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

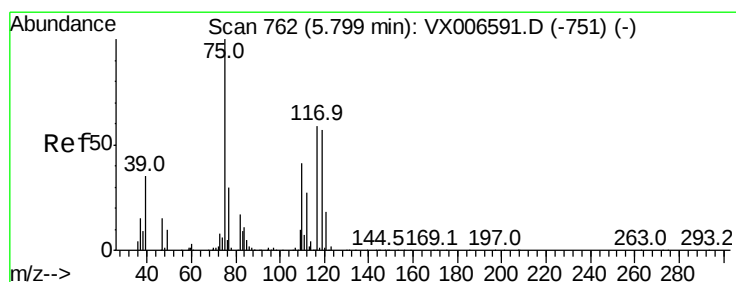
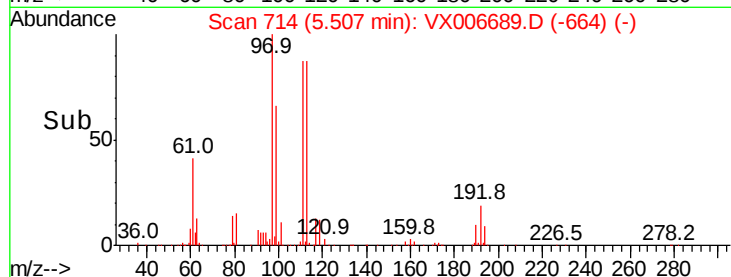
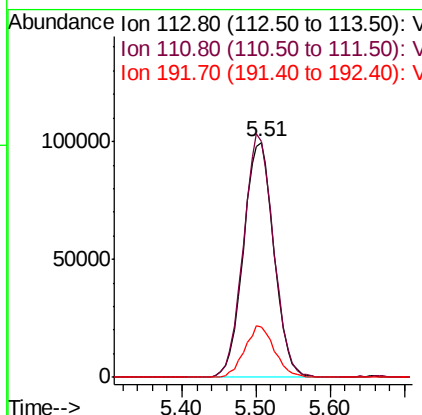
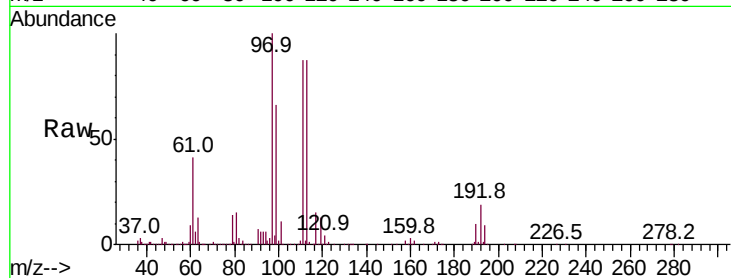
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	286554
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.6	122.4
192	21.4	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.196 ug/l

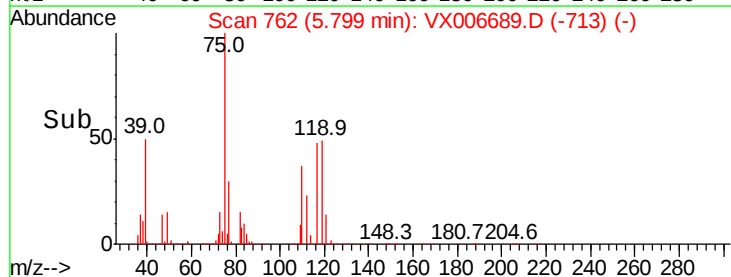
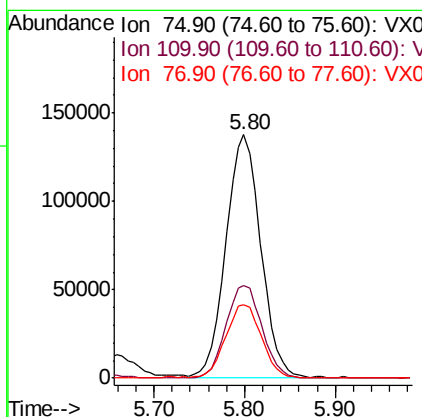
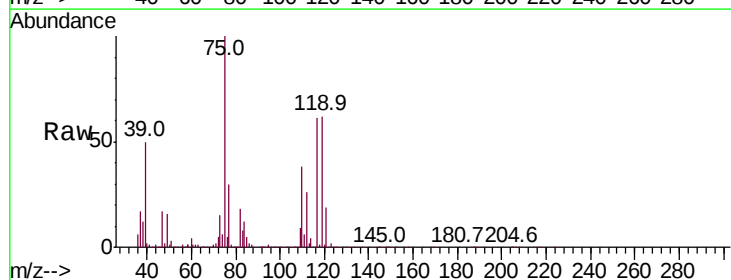
RT: 5.80 min Scan# 762

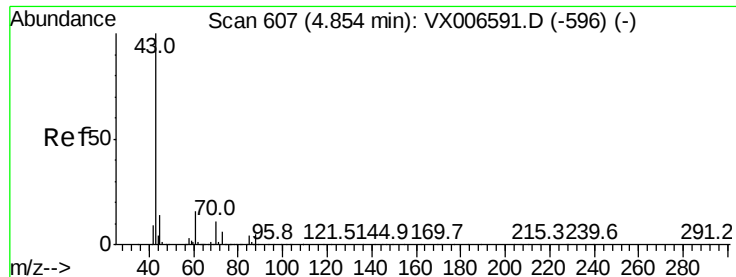
Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion:	75	Resp:	365437
Ion Ratio	Lower	Upper	
75	100		
110	39.6	20.2	60.5
77	31.3	24.8	37.2





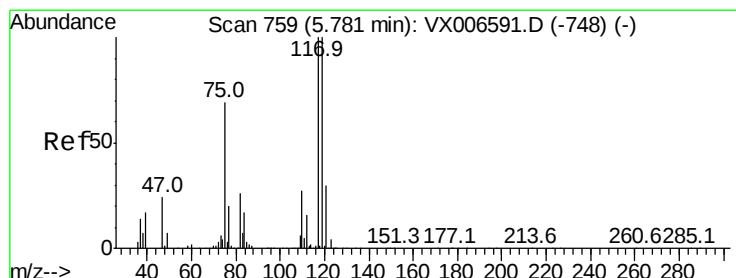
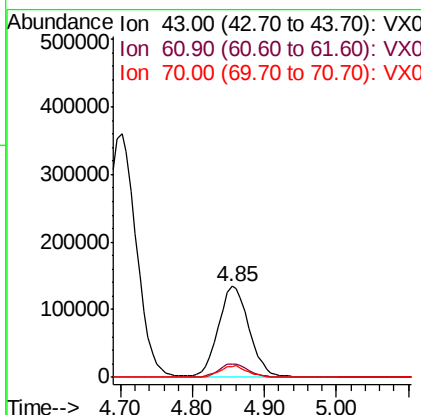
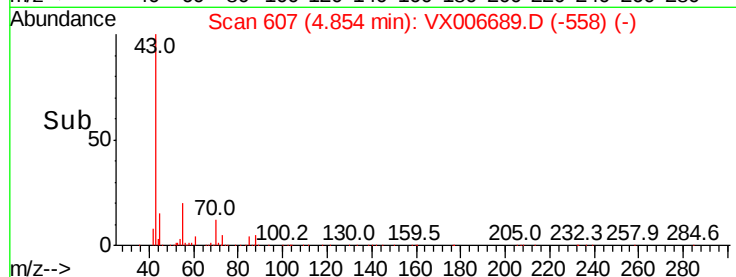
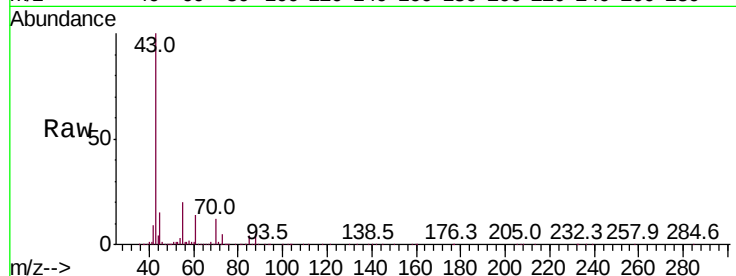
#37
Ethyl Acetate
Concen: 51.551 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	11.5	9.7	14.5

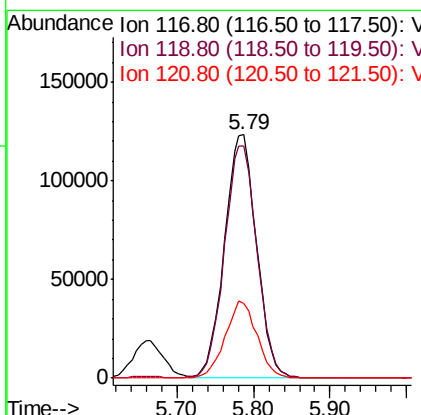
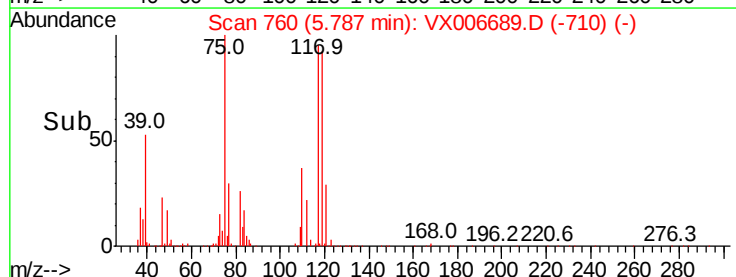
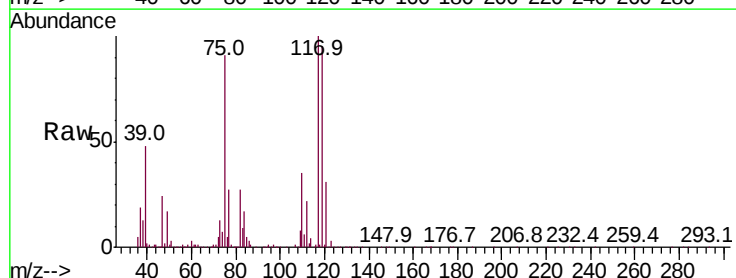
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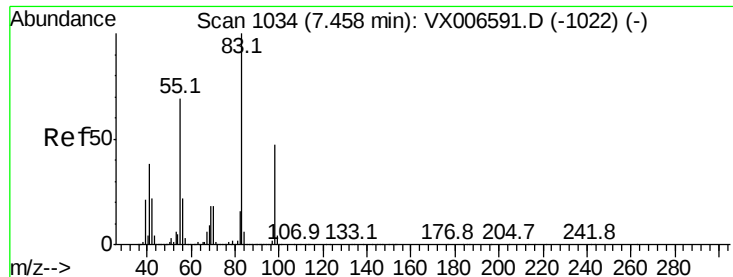
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#38
Carbon Tetrachloride
Concen: 49.529 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	79.4	119.2
121	30.6	24.0	36.0





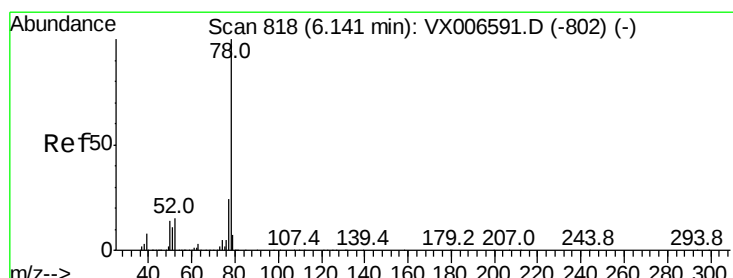
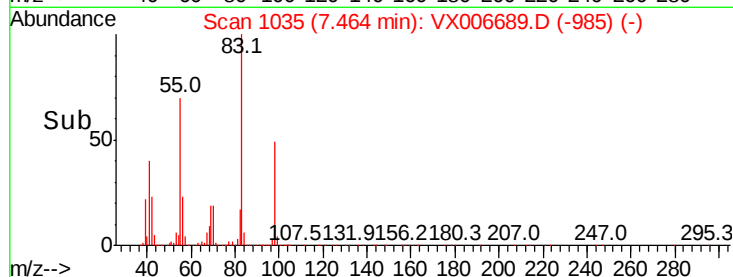
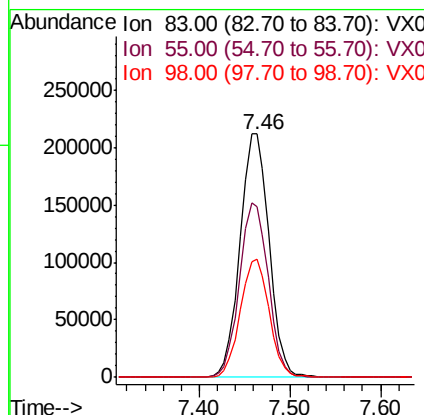
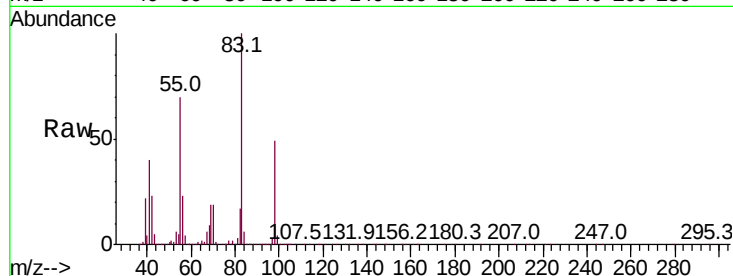
#39
Methvlcvclohexane
Concen: 48.073 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	54.9	82.3
98	48.6	37.9	56.9

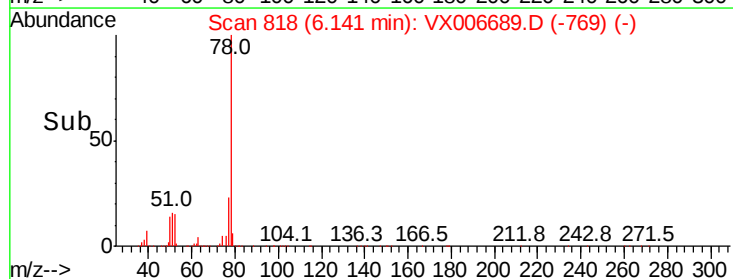
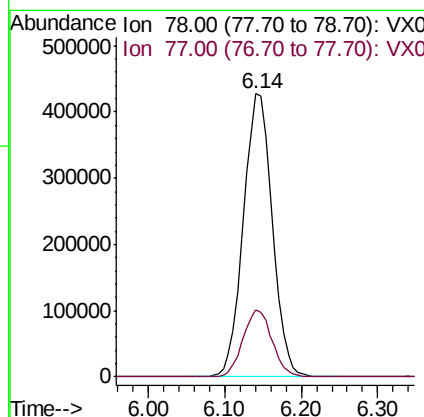
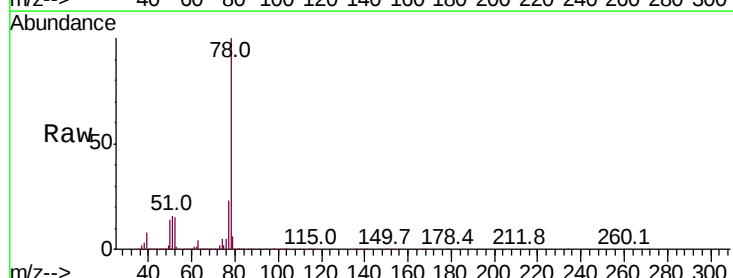
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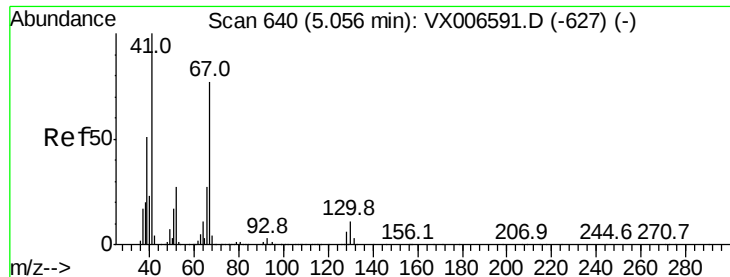
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#40
Benzene
Concen: 49.911 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 53.211 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

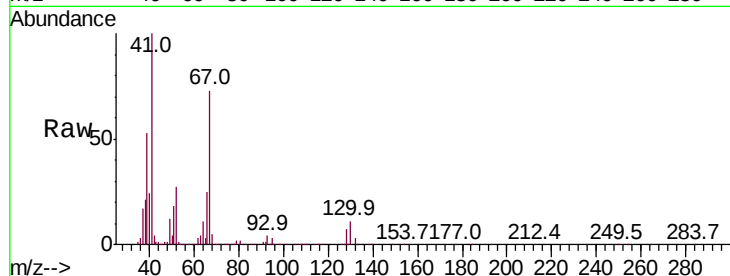
ClientSampleId :

VSTDCCC050

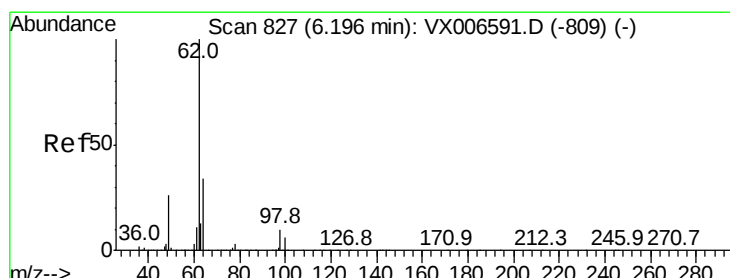
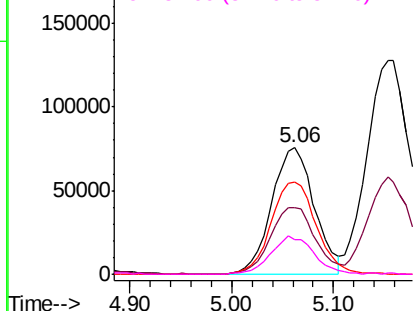
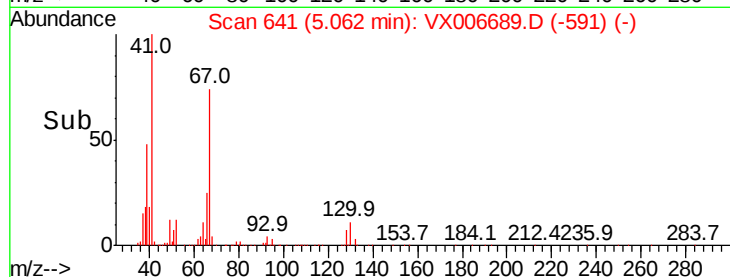
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	42.8	64.2	
67	77.9	62.1	93.1	
52	30.8	23.4	35.0	

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.433 ug/l

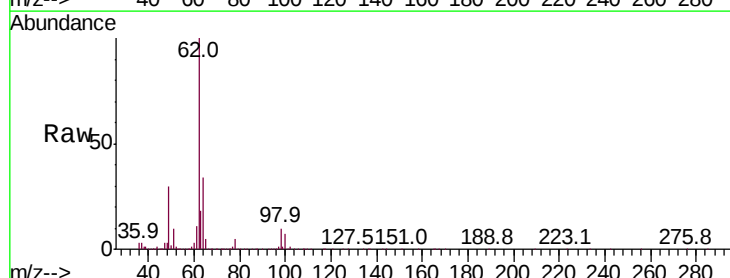
RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

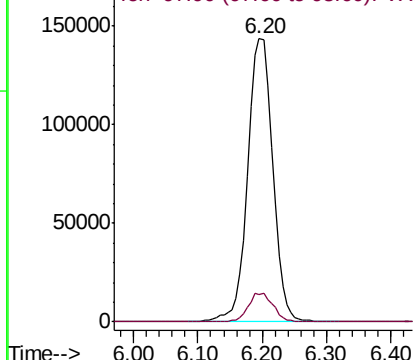
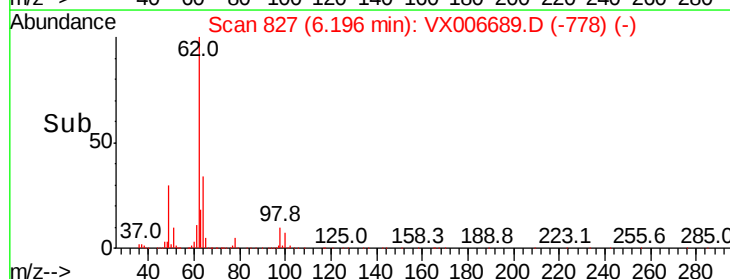
Lab File: VX006689.D

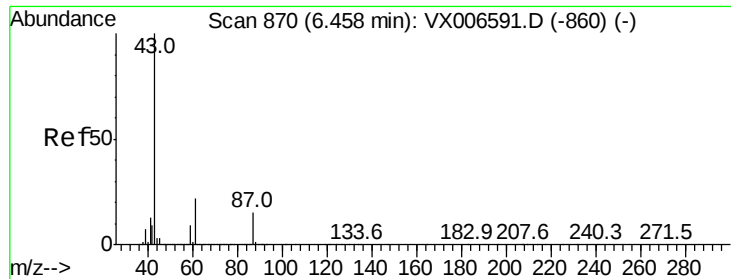
Acq: 20 Dec 2018 21:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.2	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

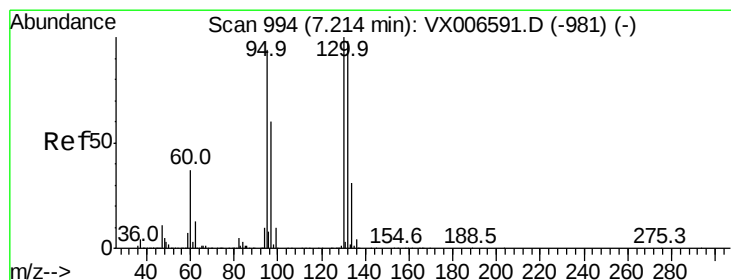
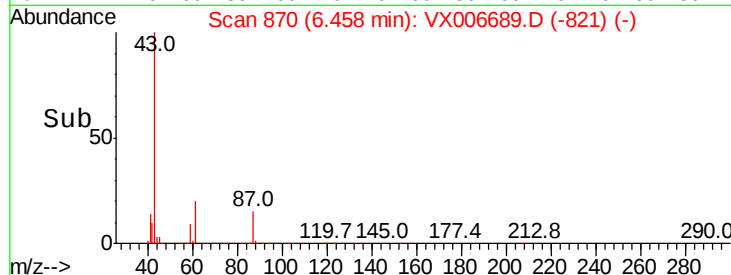
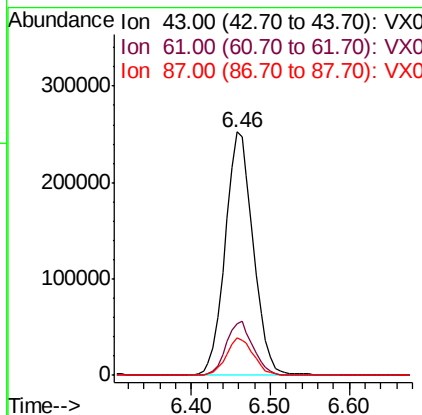
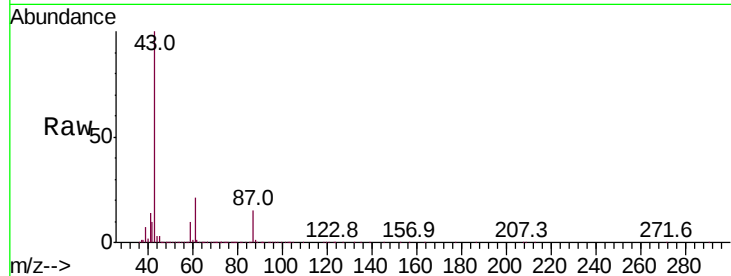
Isopropyl Acetate
 Concen: 52.777 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.8	25.2
87	15.0	12.4	18.6

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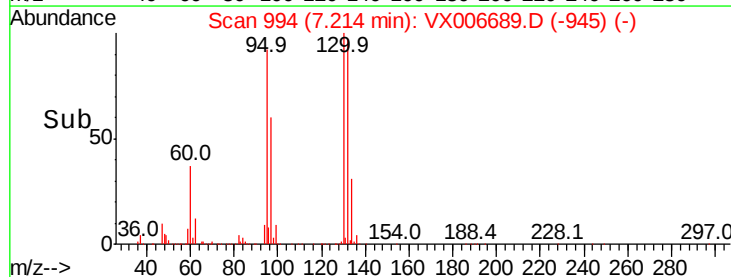
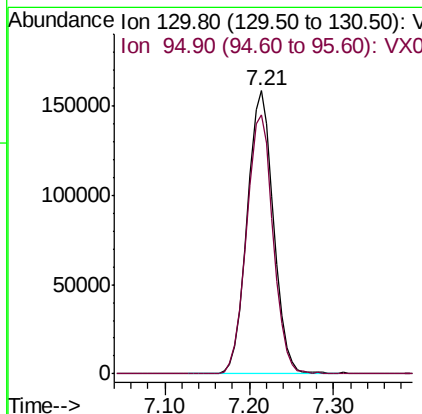
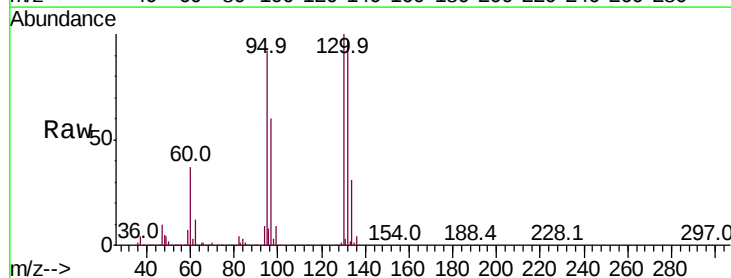
MMDadoda
 12/21/2018 10:19:16 AM

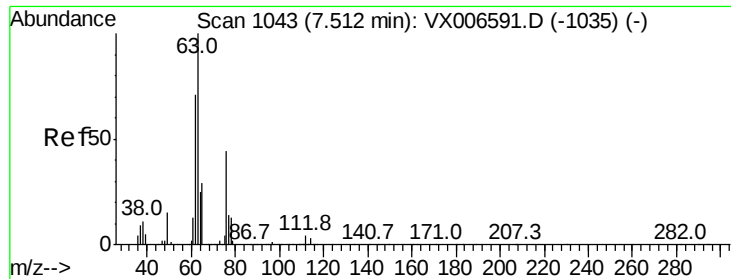


#44

Trichloroethene
 Concen: 48.599 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	187.0





#45

1,2-Dichloropropane

Concen: 51.437 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006689.D

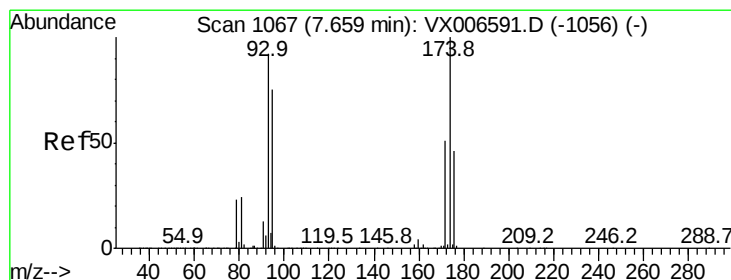
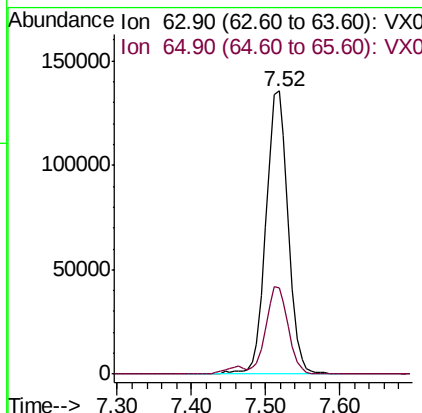
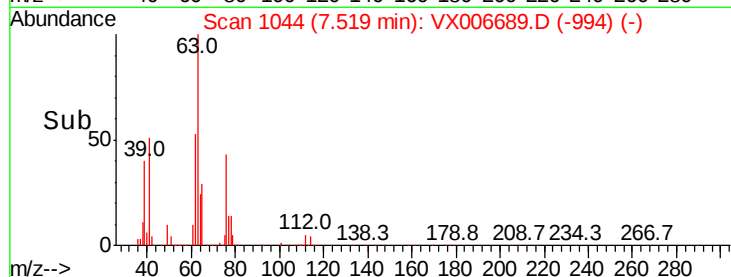
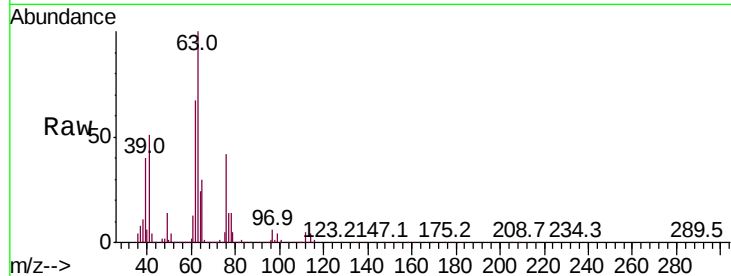
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.4	38.0

Manual Integrations
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#46

Dibromomethane

Concen: 50.655 ug/l

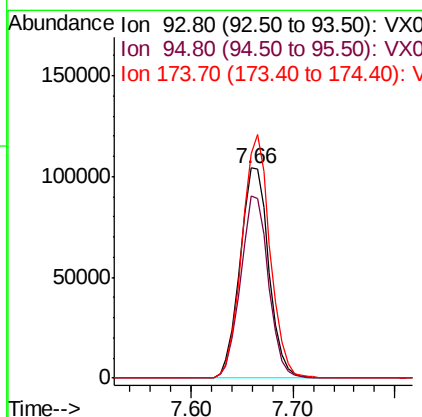
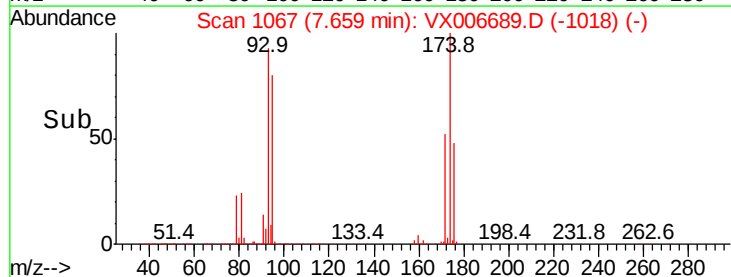
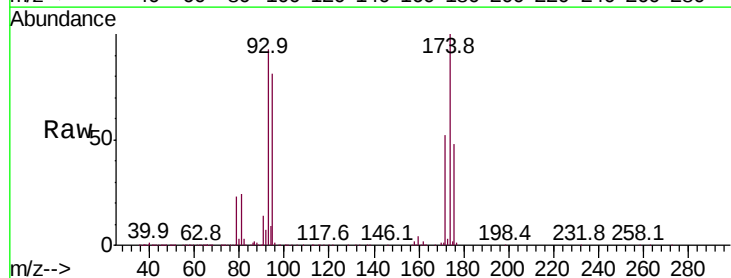
RT: 7.66 min Scan# 1067

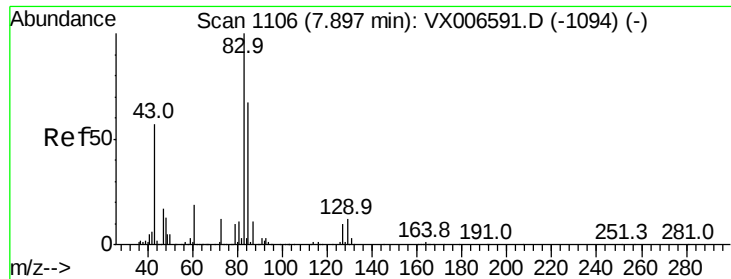
Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.2	99.4
174	112.6	91.0	136.4





#47

Bromodichloromethane

Concen: 52.361 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

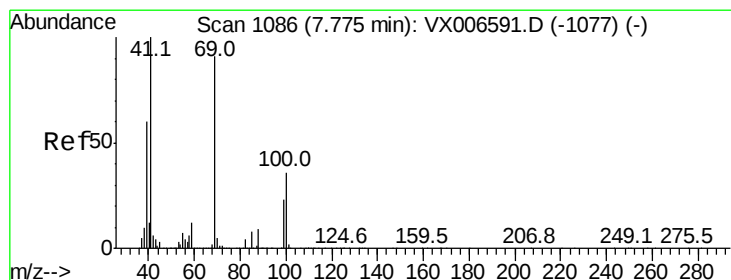
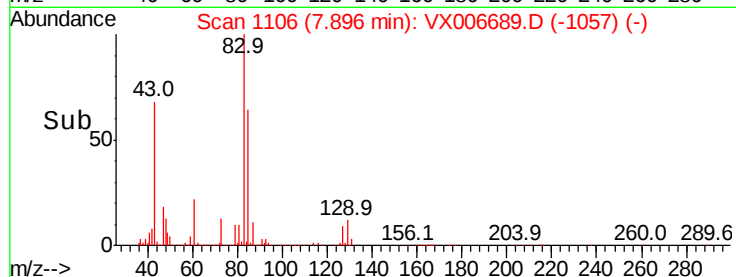
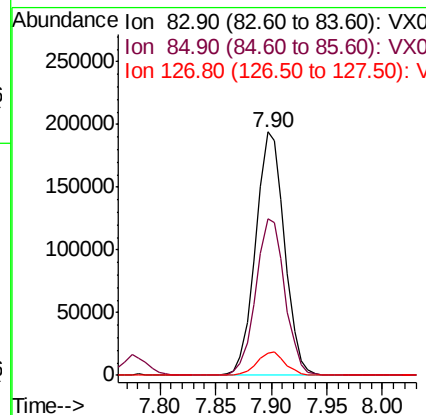
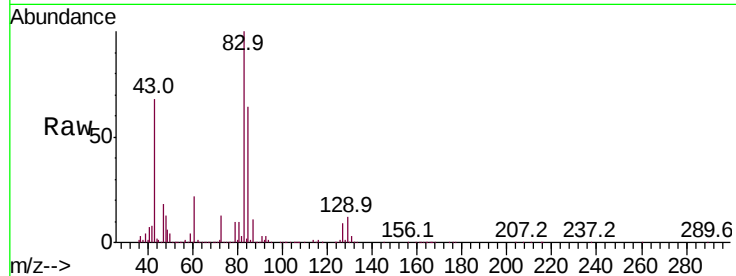
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	351339
Ion Ratio	Lower	Upper	
83	100		
85	64.3	53.2	79.8
127	9.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.022 ug/l

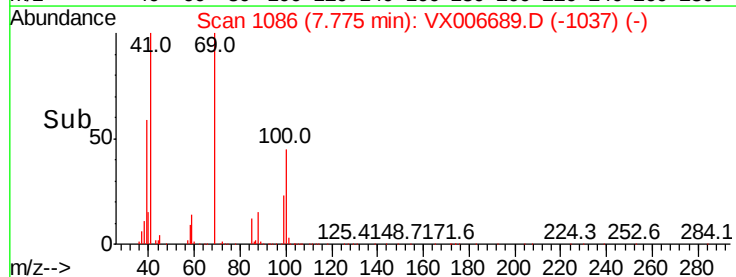
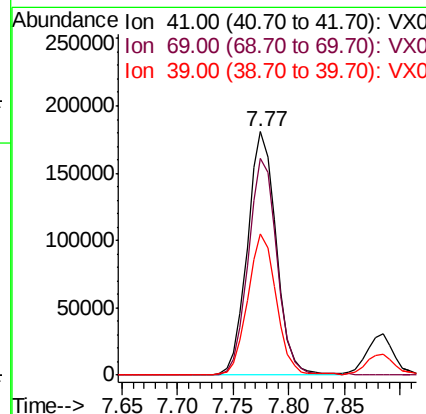
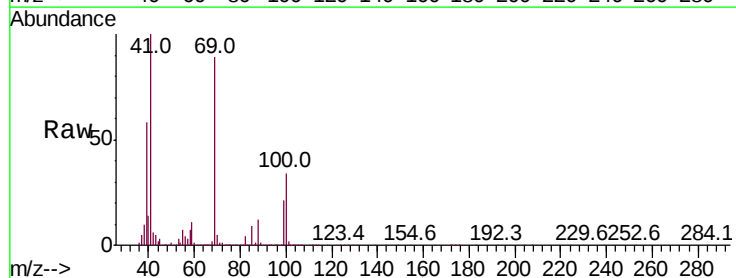
RT: 7.77 min Scan# 1086

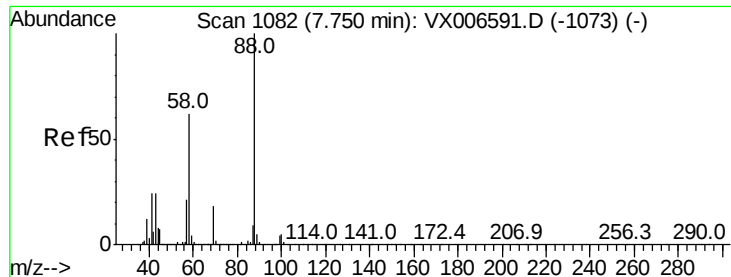
Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion:	41	Resp:	323169
Ion Ratio	Lower	Upper	
41	100		
69	89.3	72.4	108.6
39	57.6	45.8	68.8





#49

1,4-Dioxane

Concen: 1032.322 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

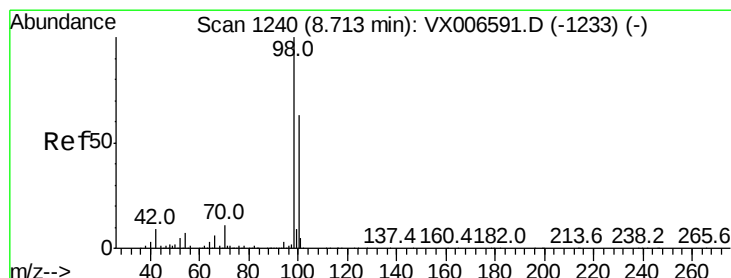
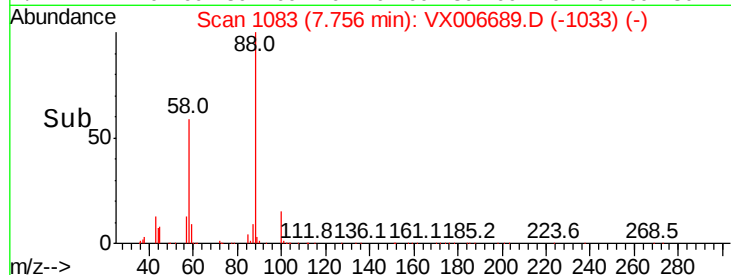
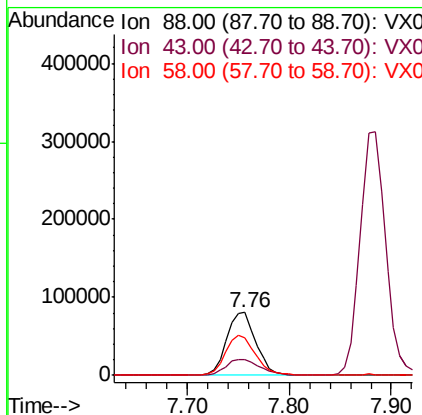
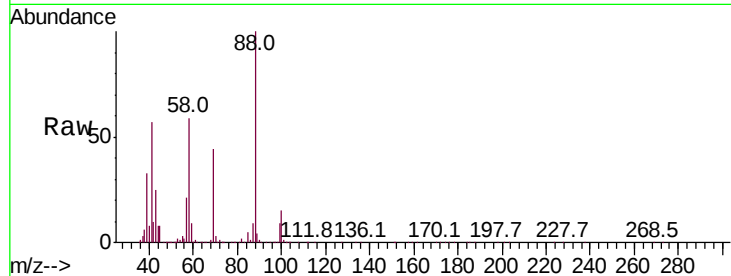
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	161478
Ion Ratio	Lower	Upper	
88	100		
43	28.9	22.2	33.4
58	64.1	51.0	76.4

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#50

Toluene-d8

Concen: 50.943 ug/l

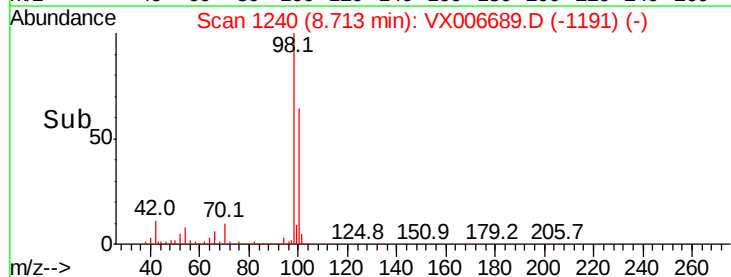
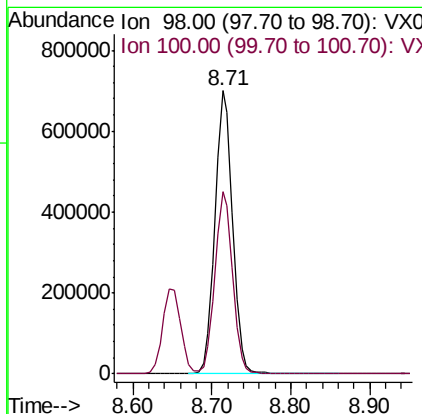
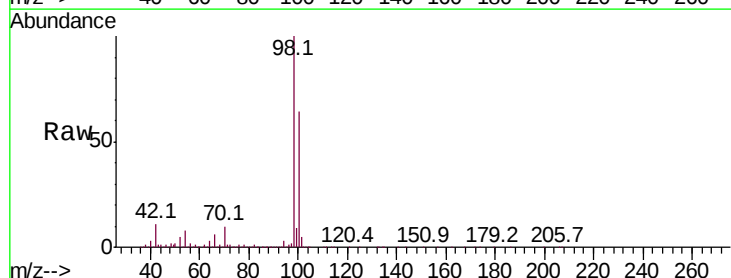
RT: 8.71 min Scan# 1240

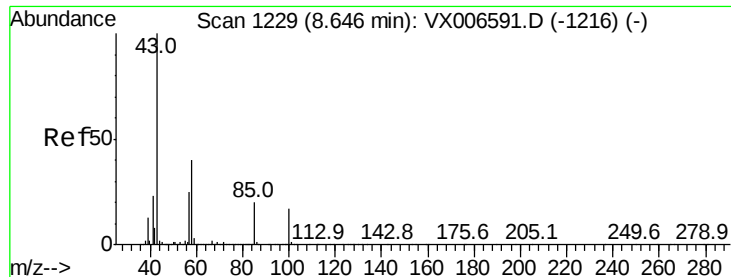
Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion:	98	Resp:	1089268
Ion Ratio	Lower	Upper	
98	100		
100	64.6	52.0	78.0





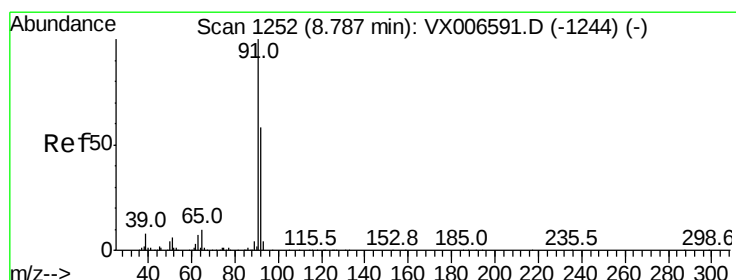
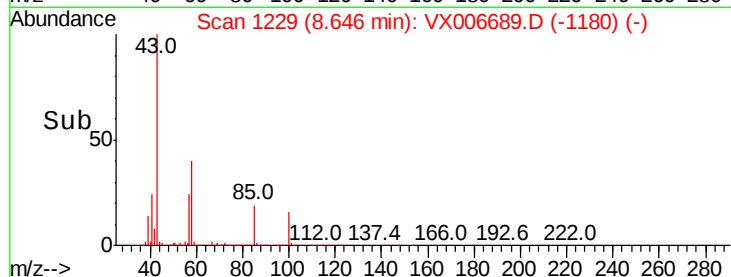
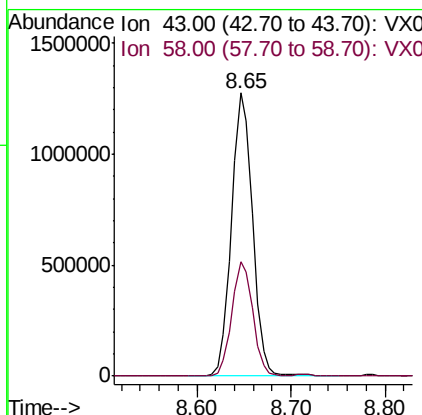
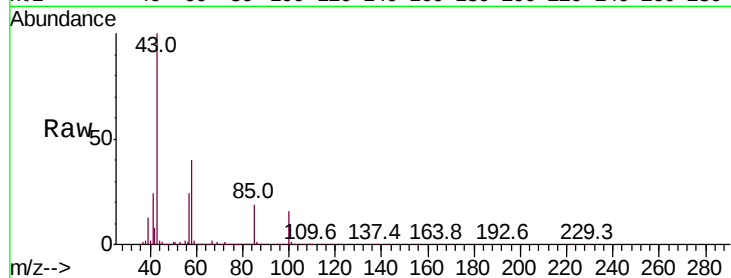
#51
4-Methyl-2-Pentanone
Concen: 265.175 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1984791
Ion Ratio Lower Upper
43 100
58 40.1 31.8 47.6

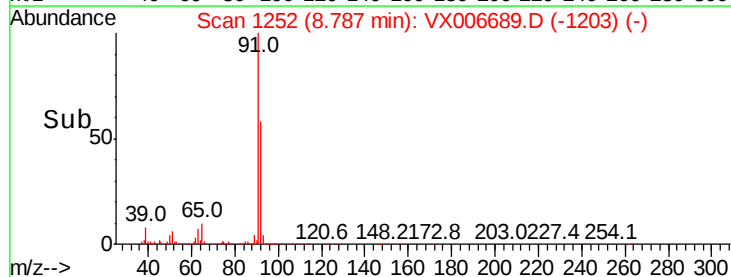
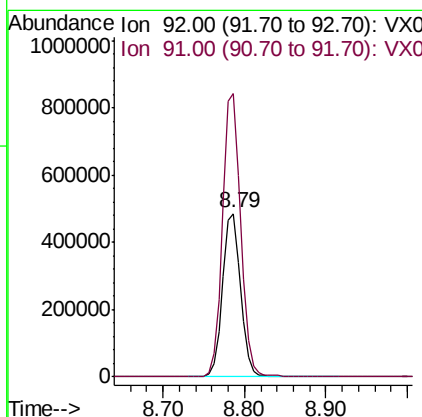
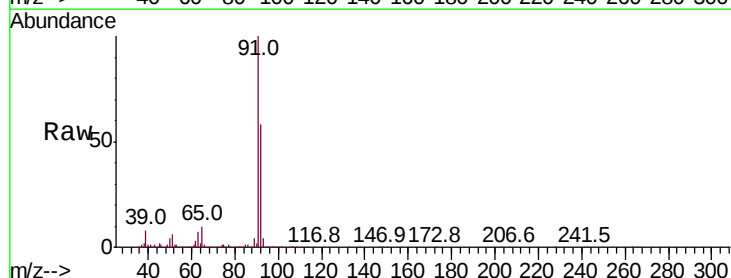
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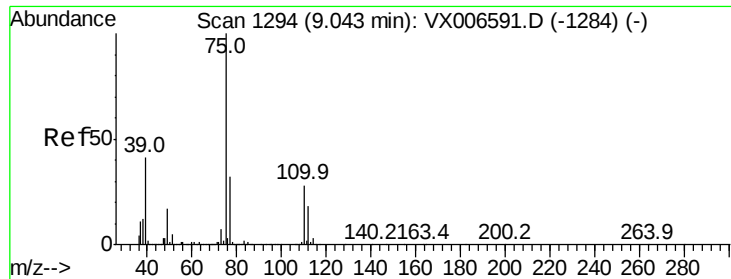
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#52
Toluene
Concen: 51.233 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 92 Resp: 747335
Ion Ratio Lower Upper
92 100
91 174.3 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 51.658 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 371750

Ion Ratio Lower Upper

75 100

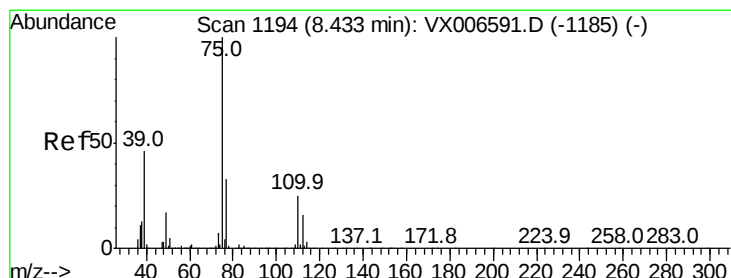
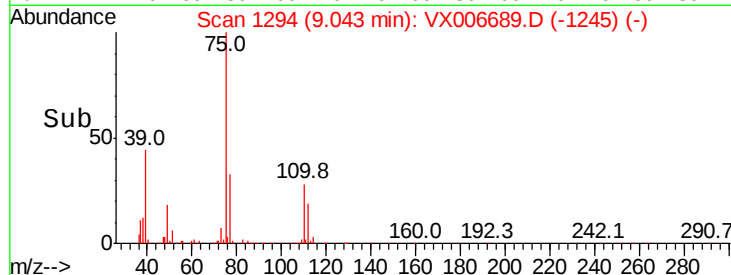
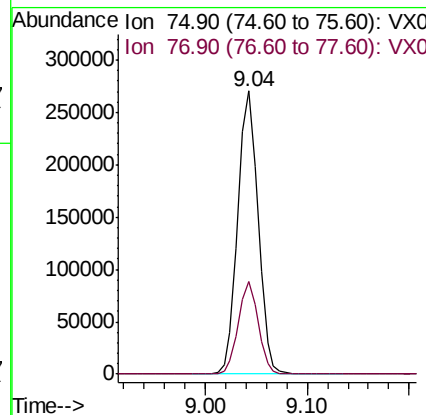
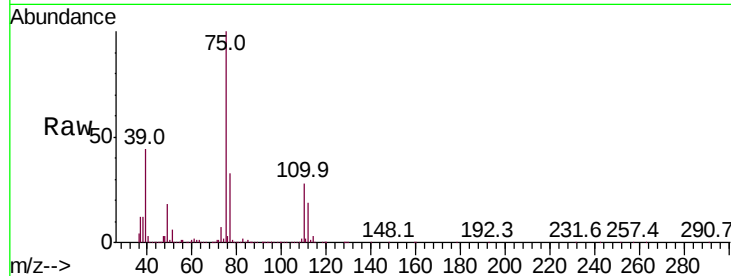
77 32.6 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 53.069 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

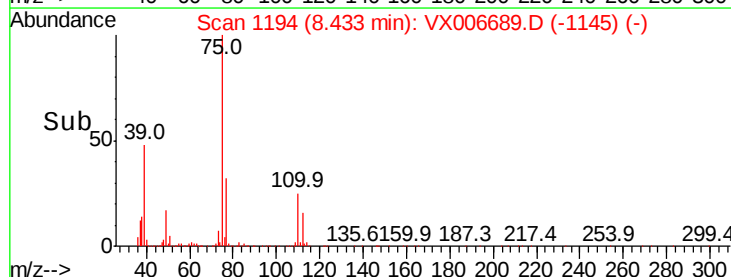
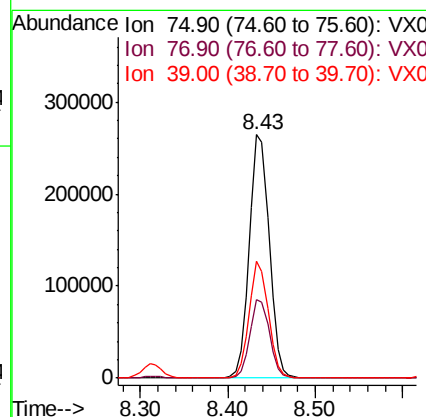
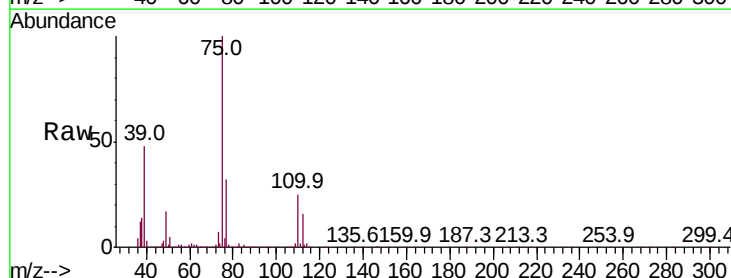
Tgt Ion: 75 Resp: 419043

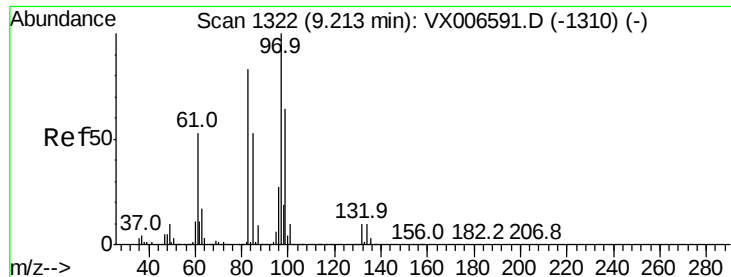
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 48.1 36.7 55.1





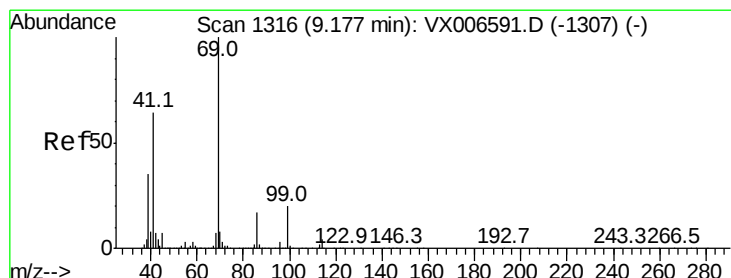
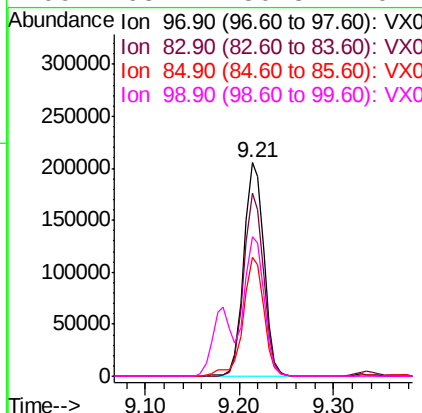
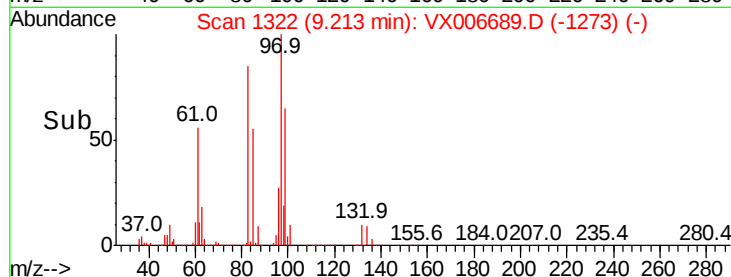
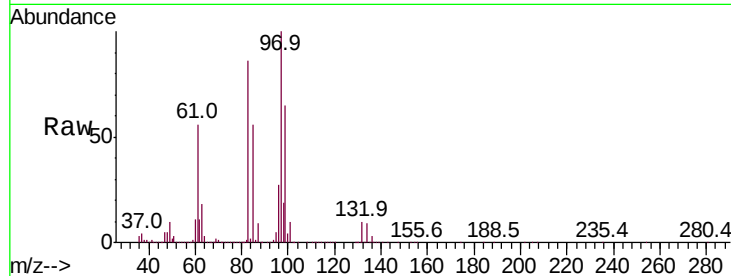
#55
1,1,2-Trichloroethane
Concen: 51.419 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	307012		
83	85.6	66.6	99.8	
85	55.5	42.7	64.1	
99	65.4	50.8	76.2	

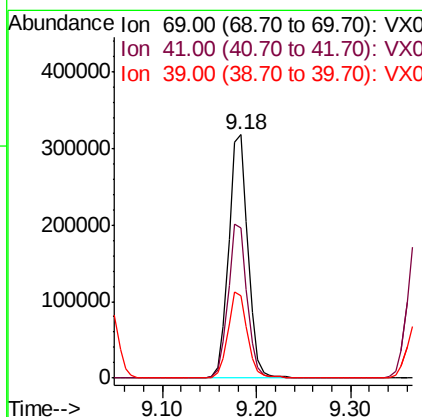
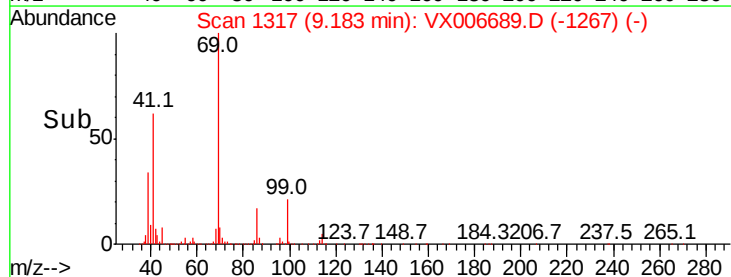
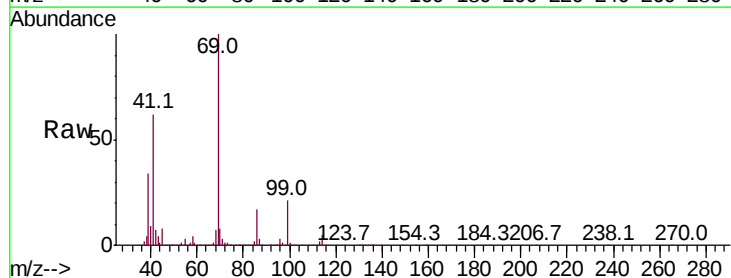
Manual Integrations
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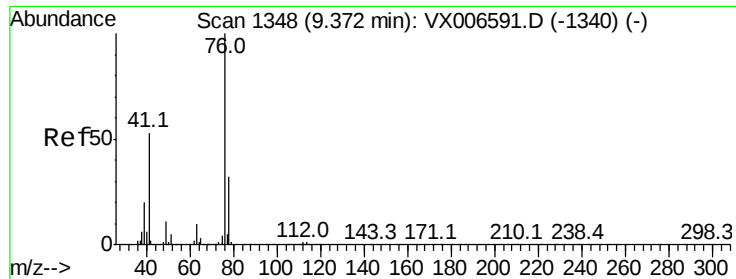
MMDadoda
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#56
Ethyl methacrylate
Concen: 53.214 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	449069		
41	62.1	48.7	73.1	
39	35.3	27.0	40.6	





#57

1,3-Dichloropropane

Concen: 51.386 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 493627

Ion Ratio Lower Upper

76 100

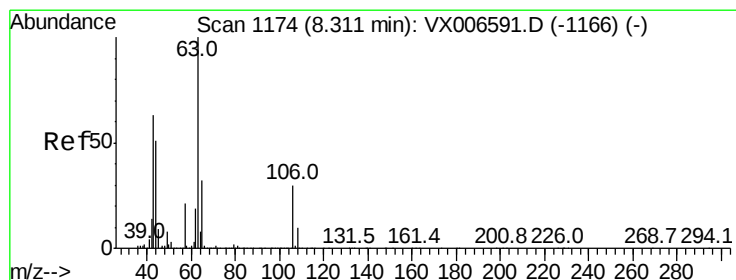
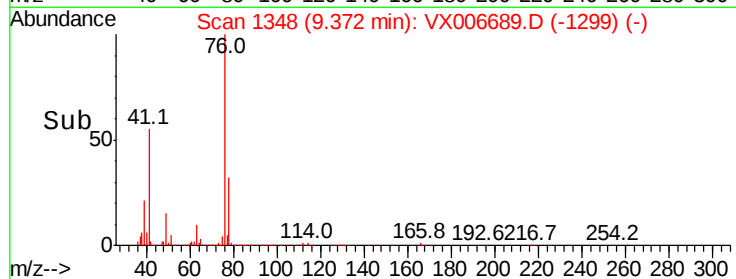
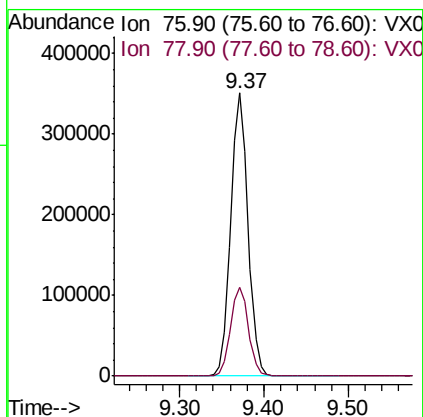
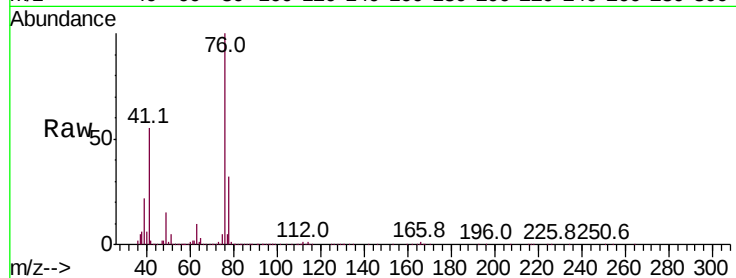
78 32.6 26.0 39.0

Manual Integrations

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12/21/2018 10:19:16 AM



#58

2-Chloroethyl Vinyl ether

Concen: 259.334 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006689.D

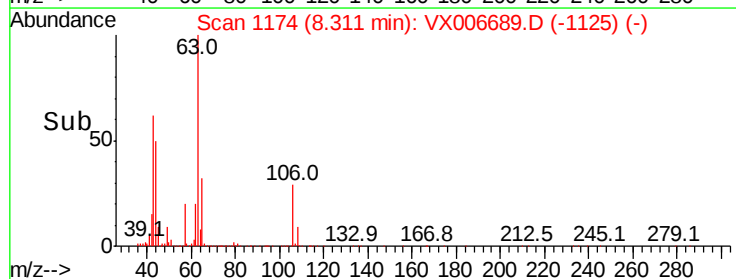
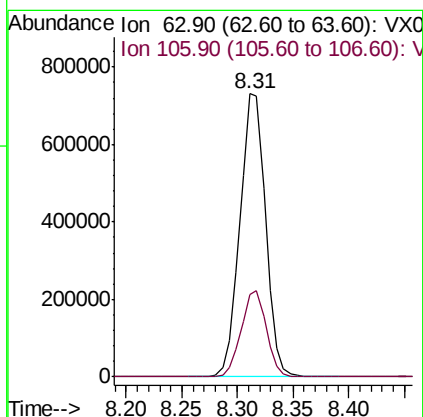
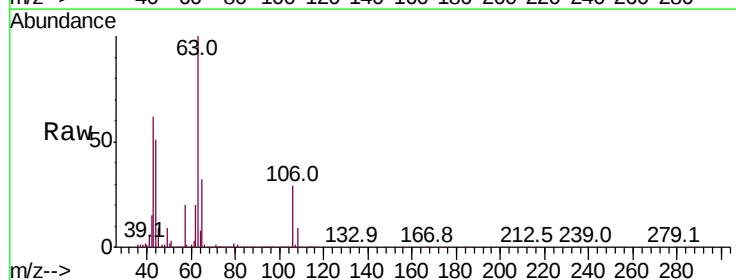
Acq: 20 Dec 2018 21:34

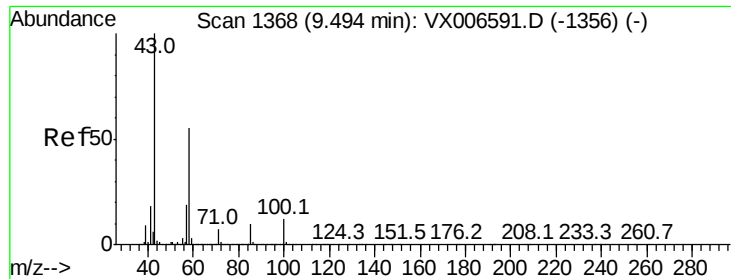
Tgt Ion: 63 Resp: 1163328

Ion Ratio Lower Upper

63 100

106 30.2 24.6 36.8





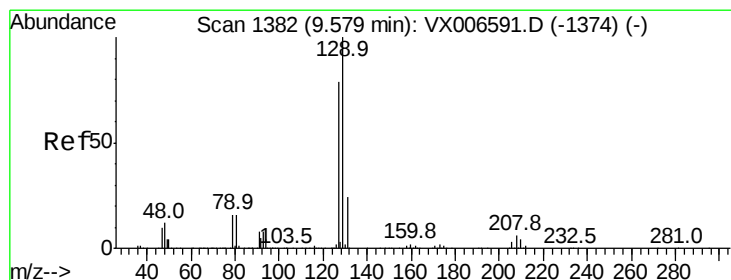
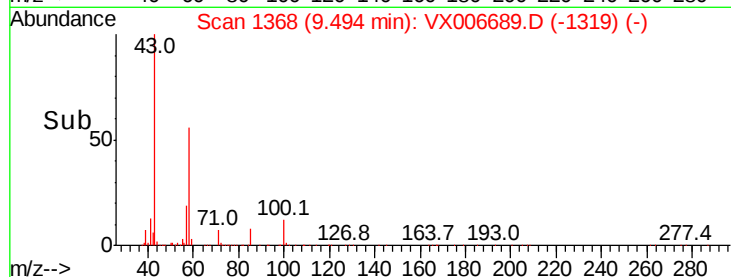
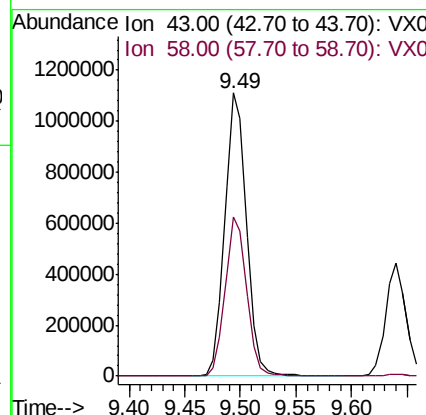
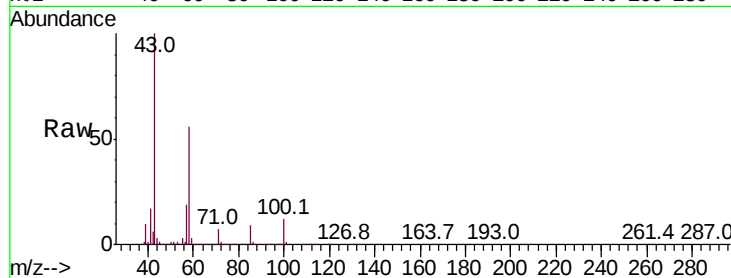
#59
2-Hexanone
Concen: 261.645 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1498382
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.1

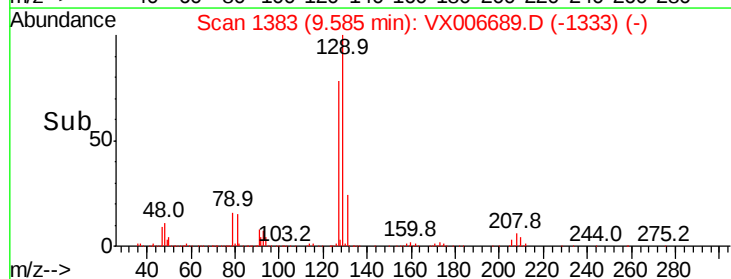
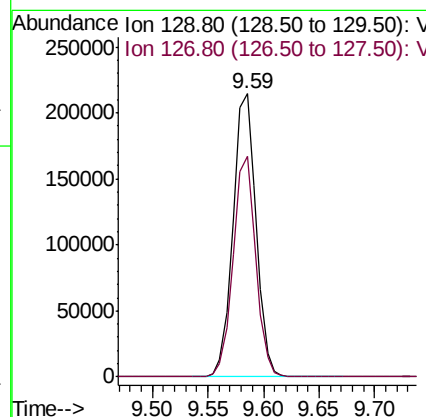
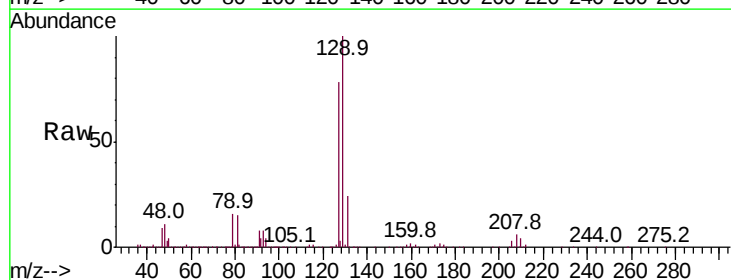
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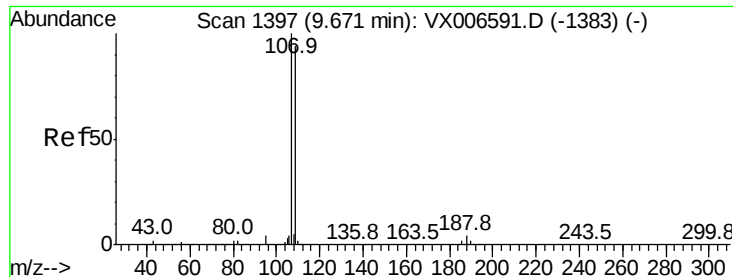
MMDadoda
12/21/2018 10:19:16 AM



#60
Dibromochloromethane
Concen: 49.272 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion: 129 Resp: 307471
Ion Ratio Lower Upper
129 100
127 76.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 52.985 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 336298

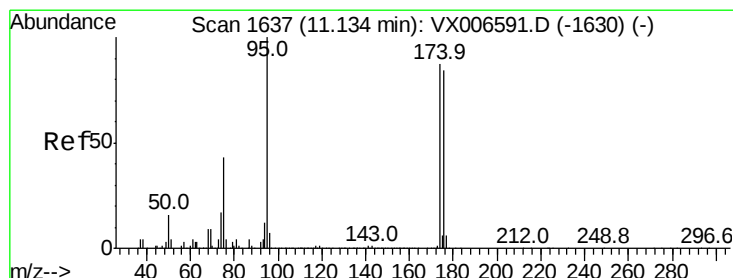
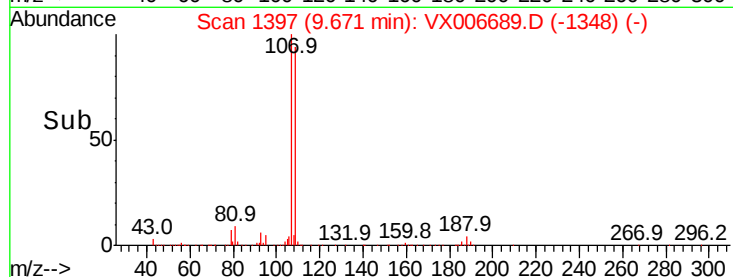
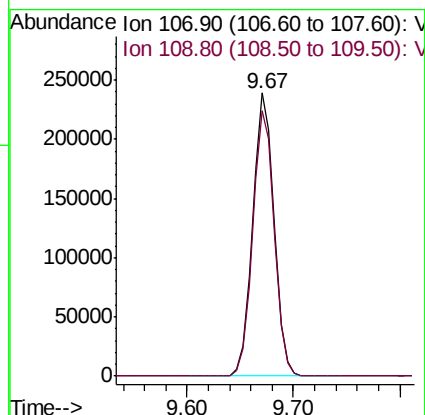
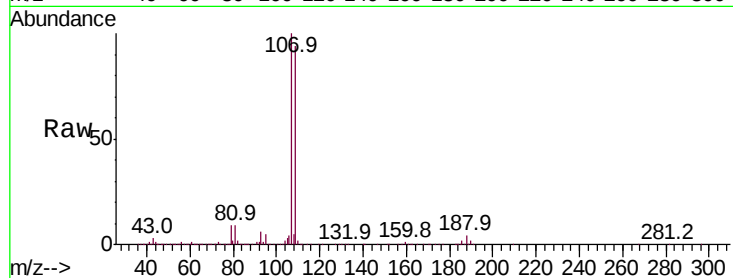
Ion Ratio Lower Upper

107 100

109 94.8 75.8 113.6

Manual Integrations
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MMDadoda
12/21/2018 10:19:16 AM



#62

4-Bromofluorobenzene

Concen: 50.070 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

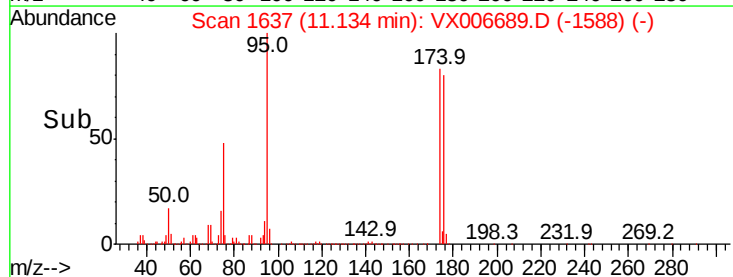
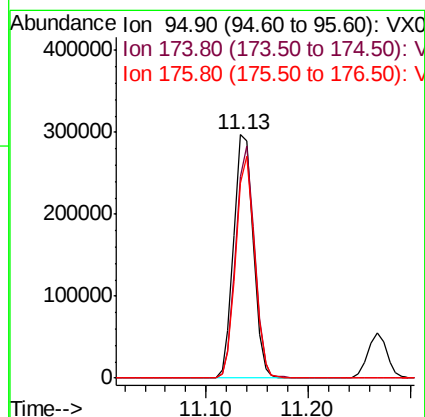
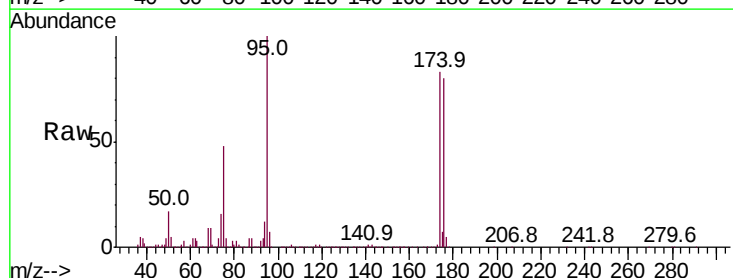
Tgt Ion: 95 Resp: 392106

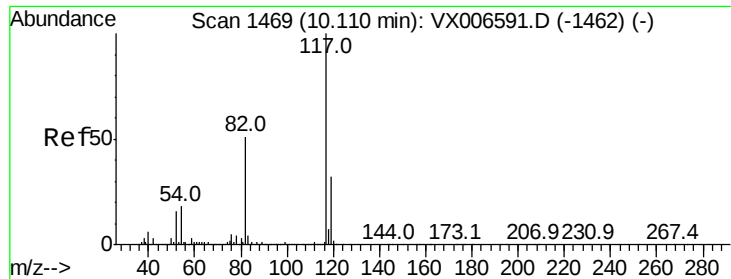
Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.2

176 87.8 0.0 178.8





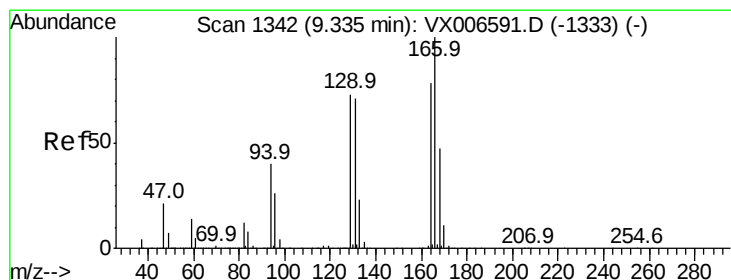
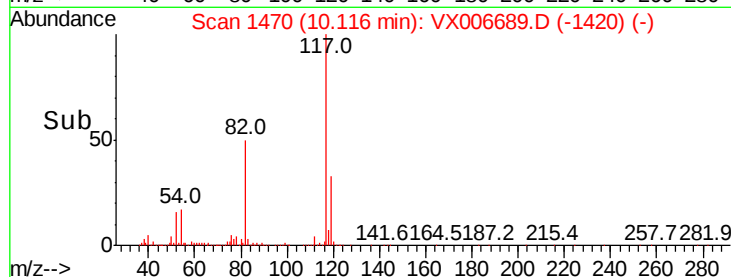
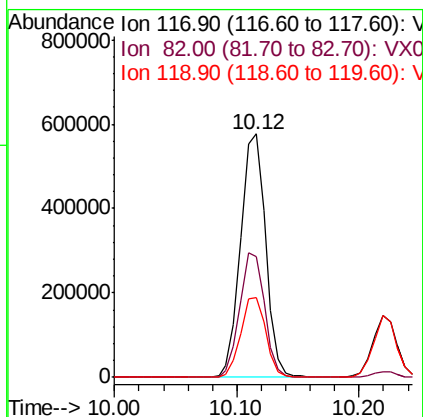
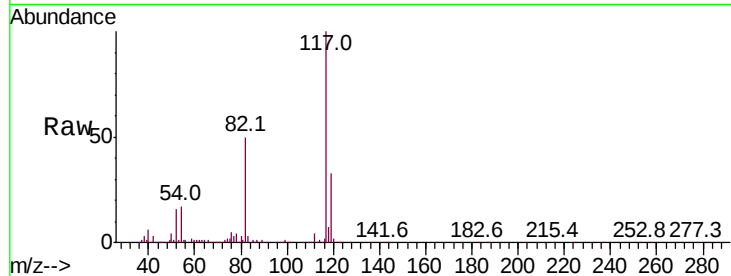
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	819765		
82	49.8		41.0	61.6
119	33.0		25.4	38.0

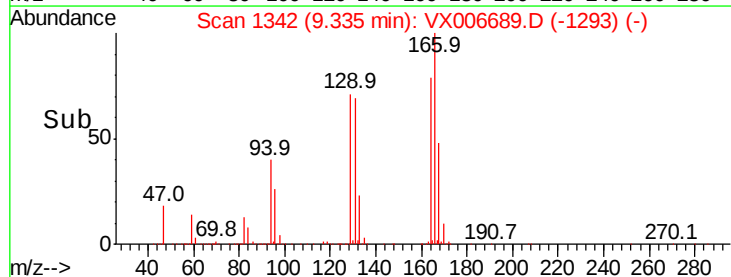
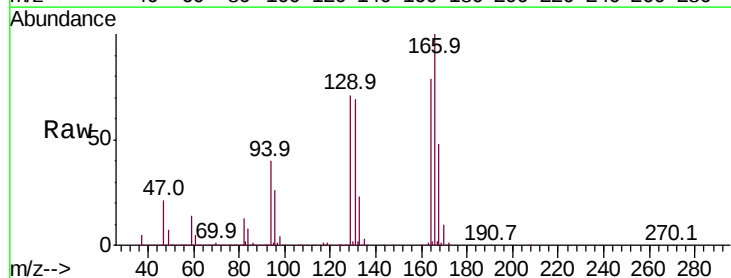
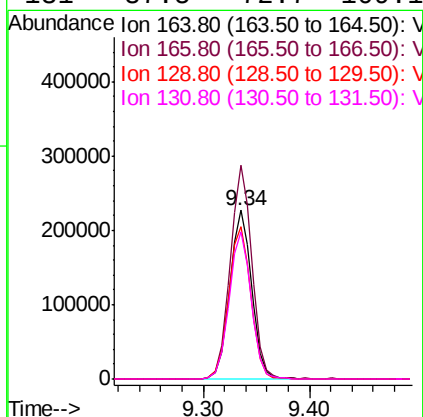
Manual Integrations
APPROVED

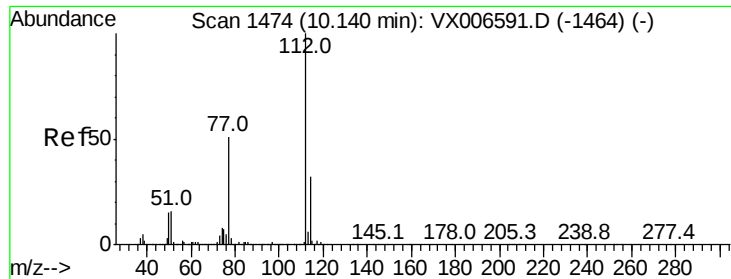
MMDadoda
12/21/2018 10:19:16 AM



#64
Tetrachloroethene
Concen: 50.512 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	327888		
166	126.7		102.5	153.7
129	90.2		75.1	112.7
131	87.5		72.7	109.1





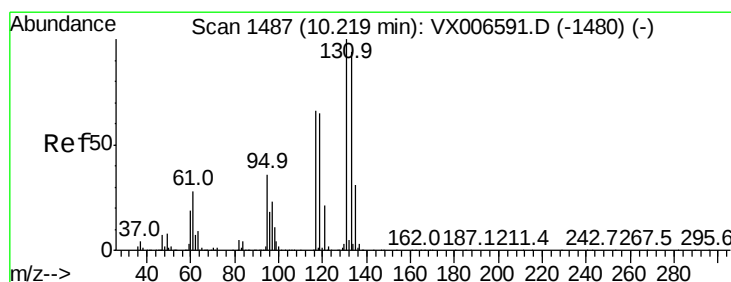
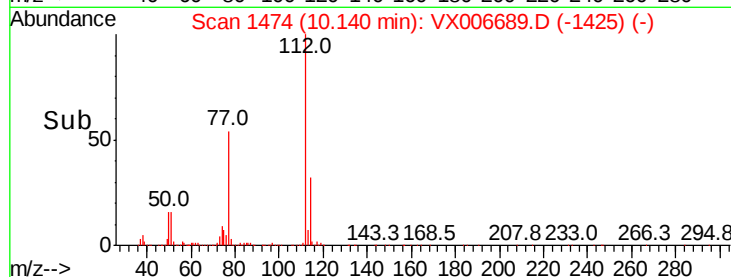
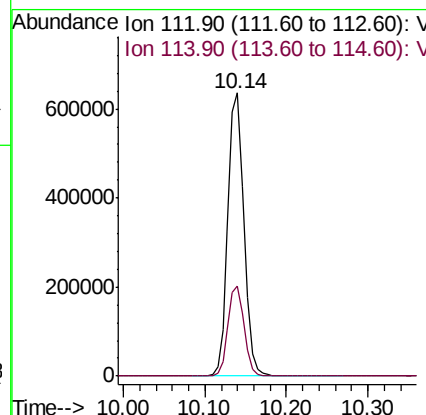
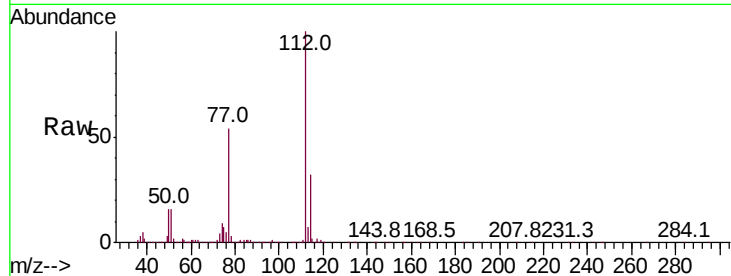
#65
Chlorobenzene
Concen: 50.059 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

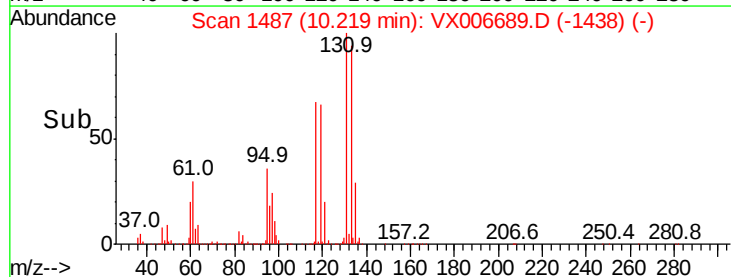
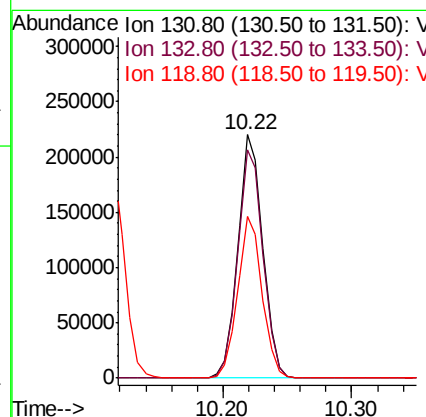
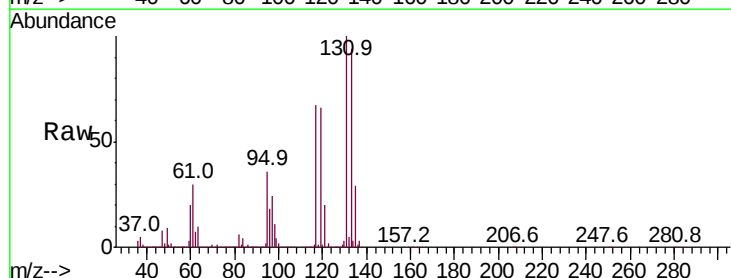
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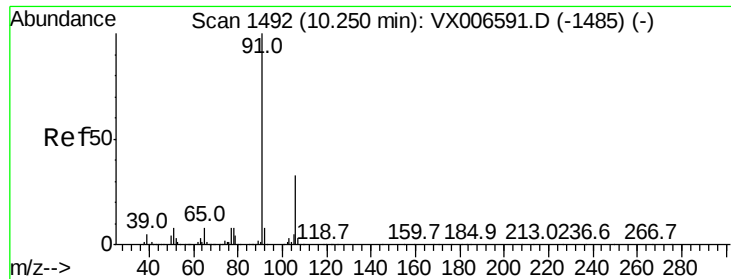
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.669 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.0	144.2
119	65.3	32.6	97.8





#67

Ethyl Benzene

Concen: 50.633 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1434898

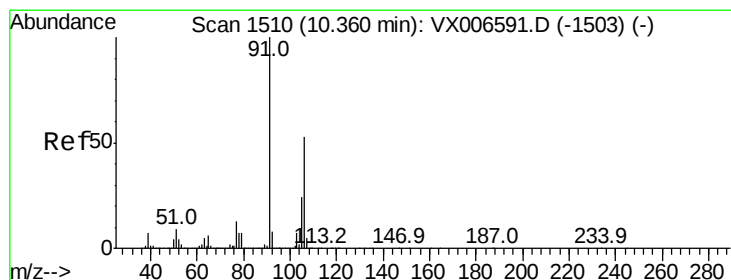
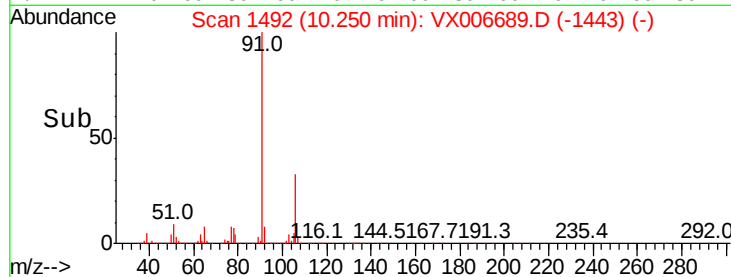
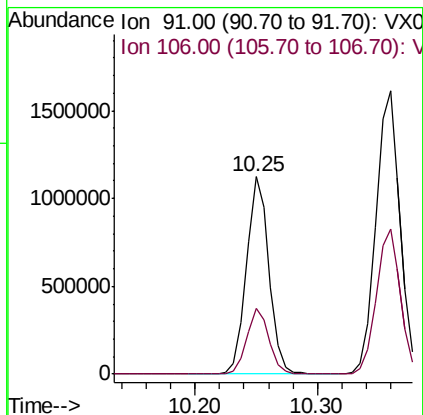
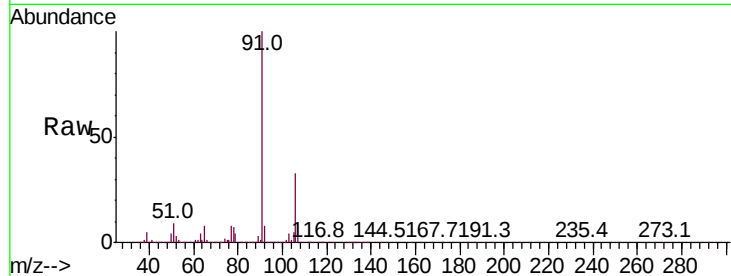
Ion Ratio Lower Upper

91 100

106 33.1 26.4 39.6

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#68

m/p-Xylenes

Concen: 101.272 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006689.D

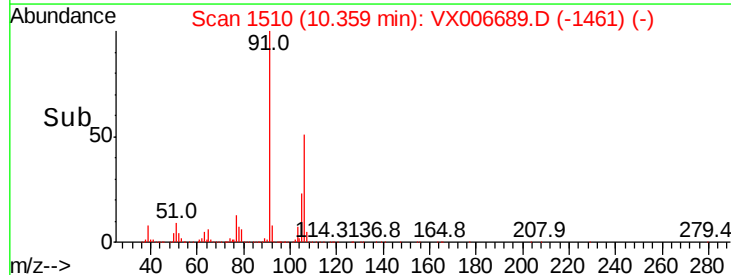
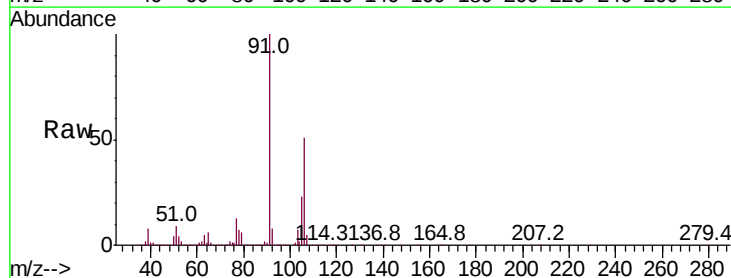
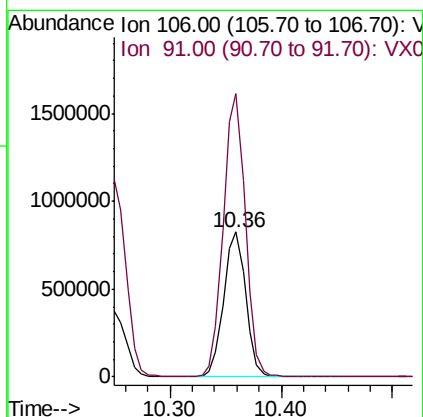
Acq: 20 Dec 2018 21:34

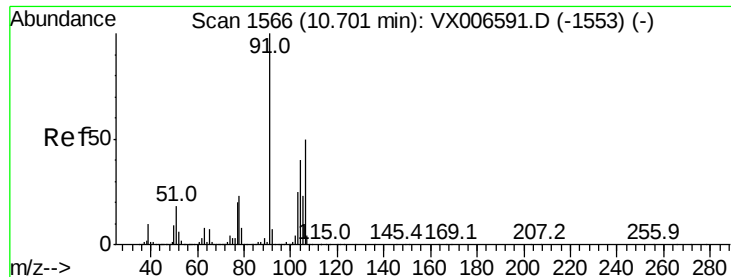
Tgt Ion: 106 Resp: 1132488

Ion Ratio Lower Upper

106 100

91 195.4 155.8 233.6





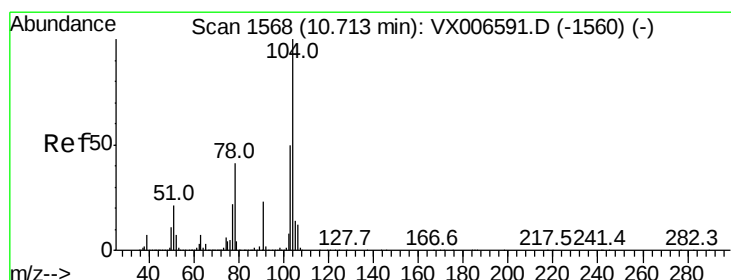
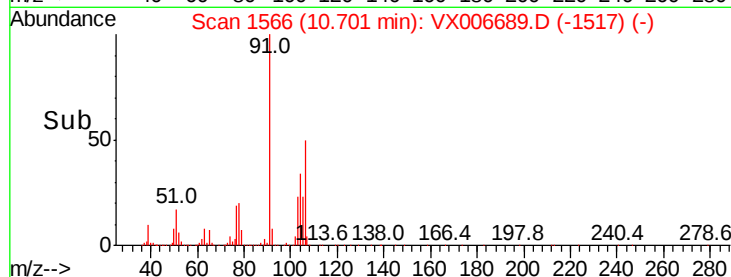
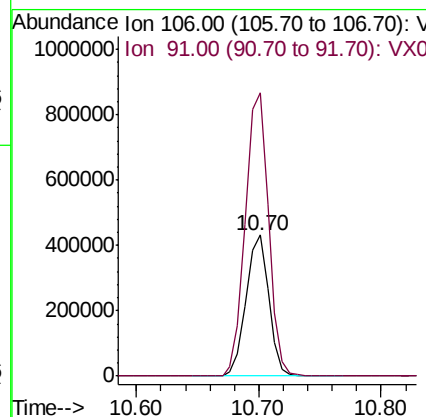
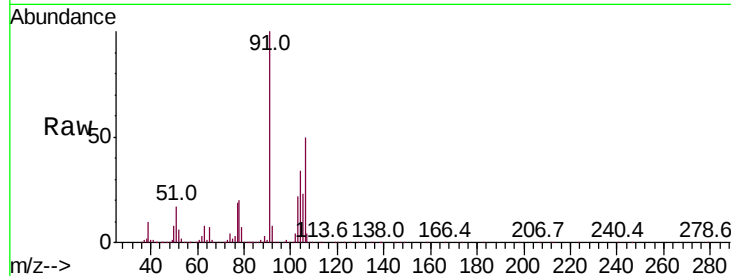
#69
o-Xylene
Concen: 50.500 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.9	101.3	303.7

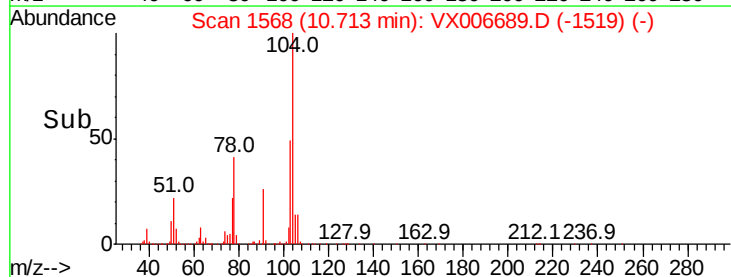
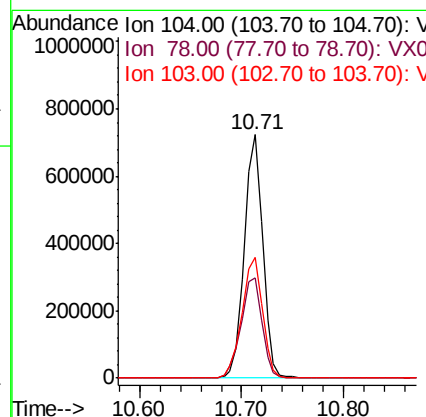
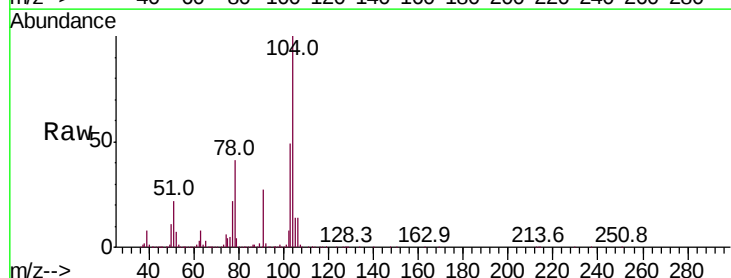
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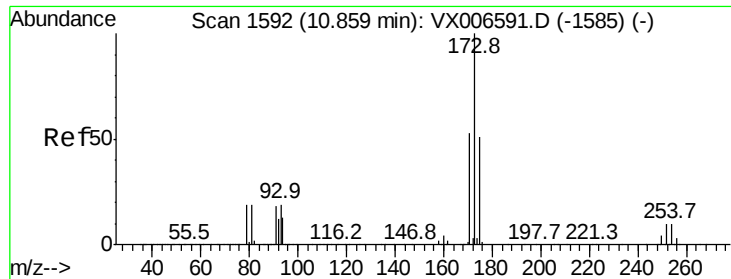
MMDadoda
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#70
Styrene
Concen: 51.453 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.7	56.5
103	55.5	43.8	65.8





#71

Bromoform

Concen: 44.404 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 214050

Ion Ratio Lower Upper

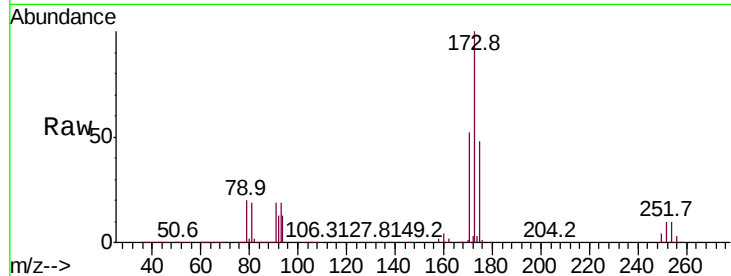
173 100

175 49.0 24.7 74.1

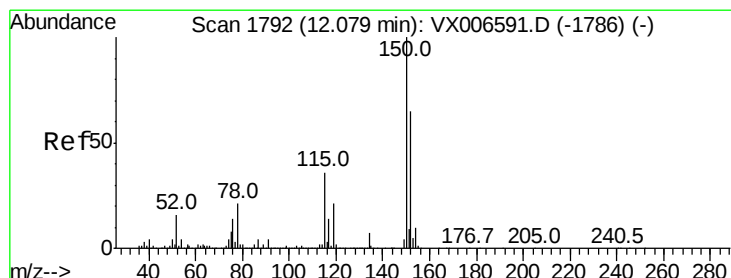
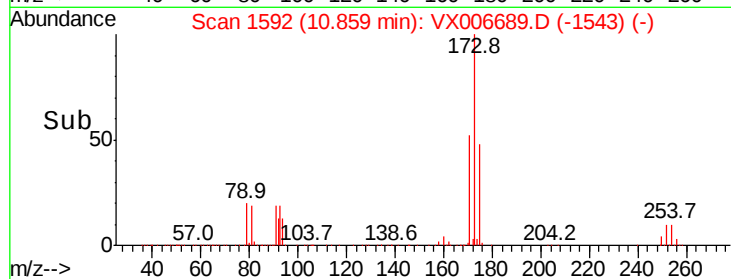
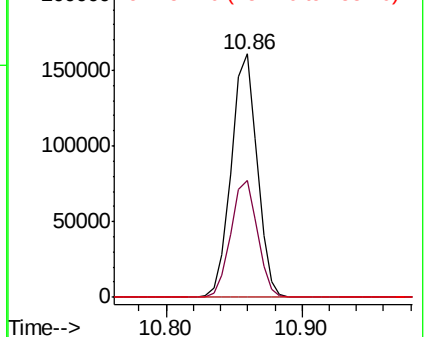
254 0.2 0.2 0.2#

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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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

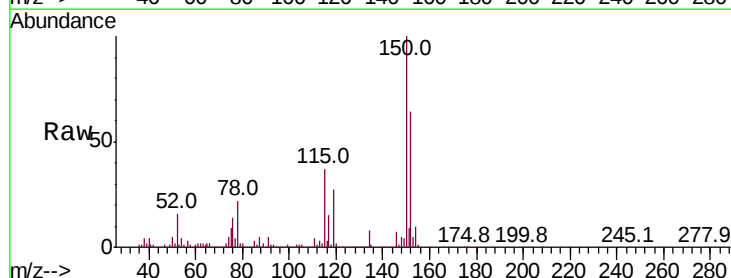
Tgt Ion:152 Resp: 411663

Ion Ratio Lower Upper

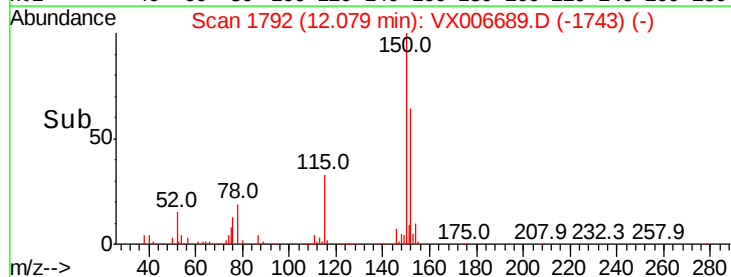
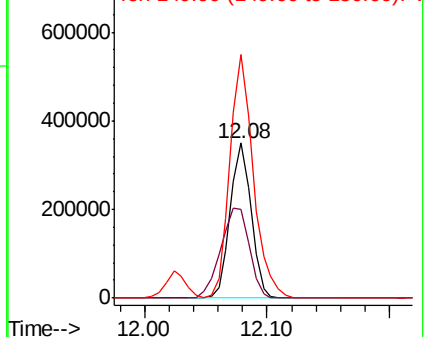
152 100

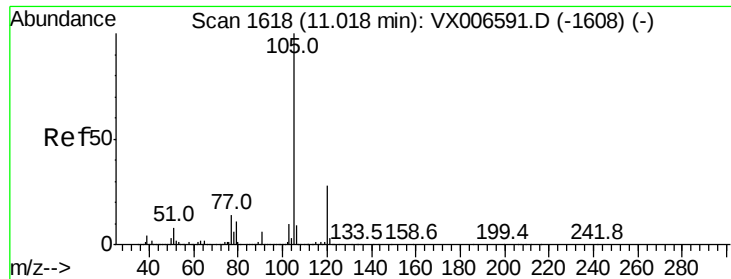
115 80.0 39.1 117.2

150 175.6 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.723 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1484819

Ion Ratio Lower Upper

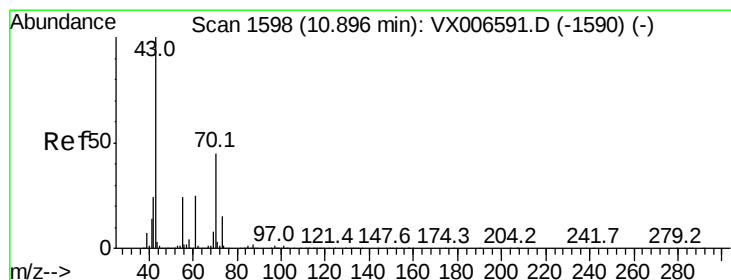
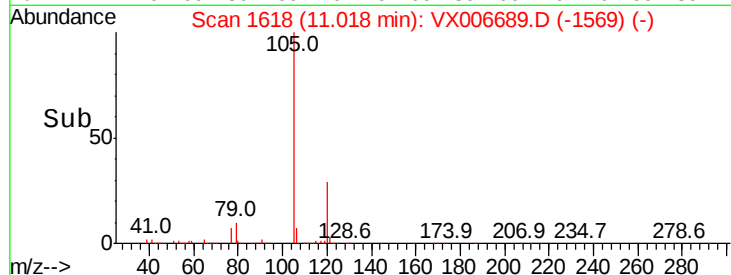
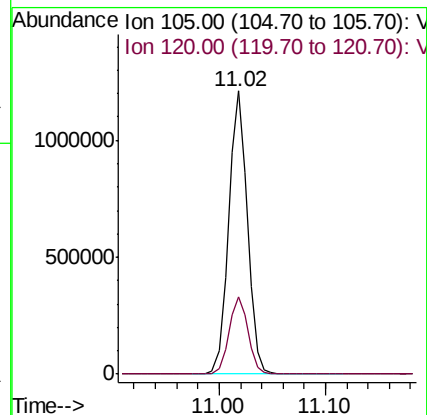
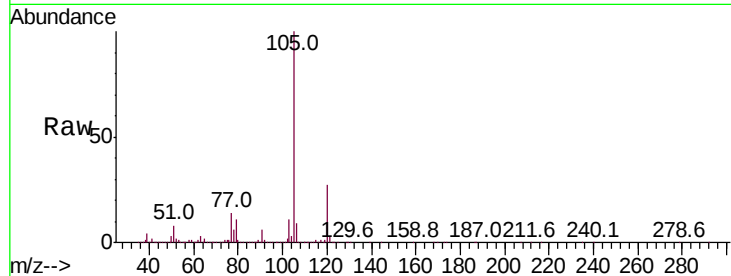
105 100

120 27.8 14.1 42.4

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#74

N-ethyl acetate

Concen: 54.797 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion: 43 Resp: 552385

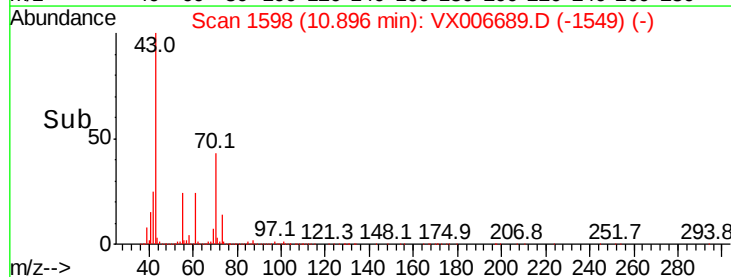
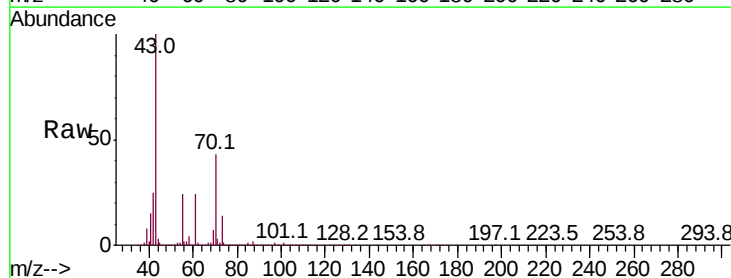
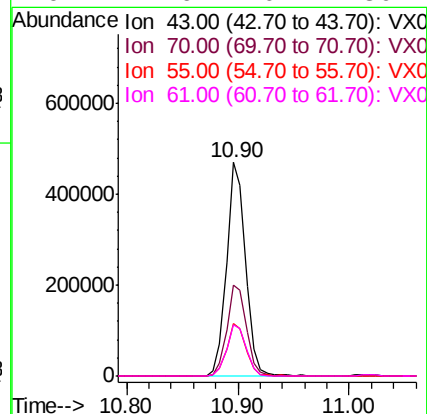
Ion Ratio Lower Upper

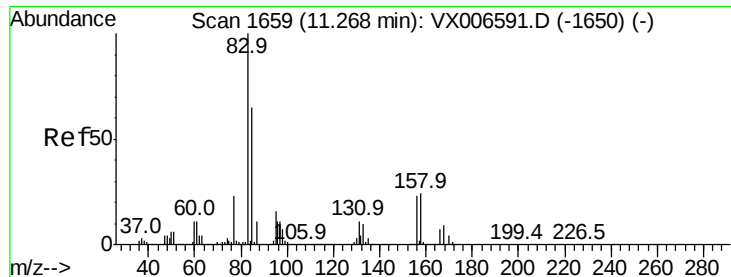
43 100

70 44.1 35.8 53.8

55 24.8 19.4 29.0

61 24.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.753 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 450217
Ion Ratio Lower Upper

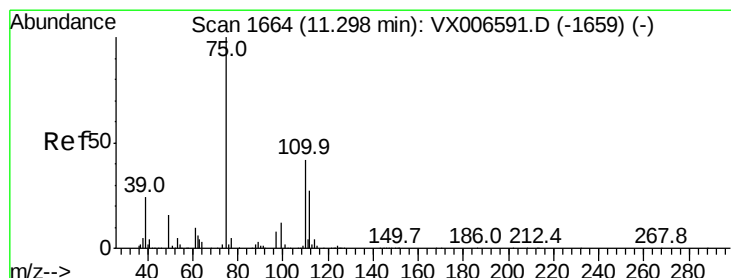
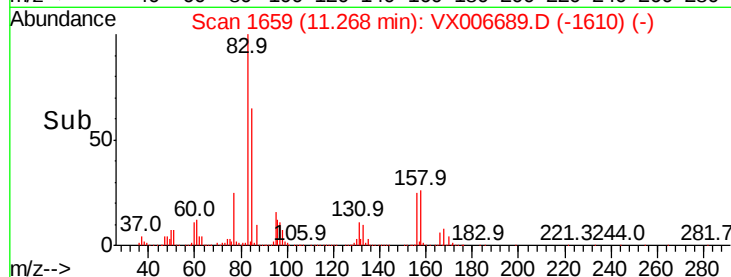
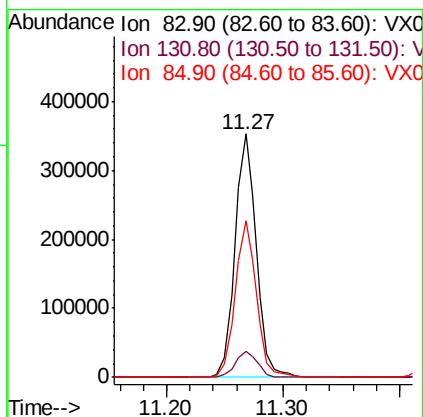
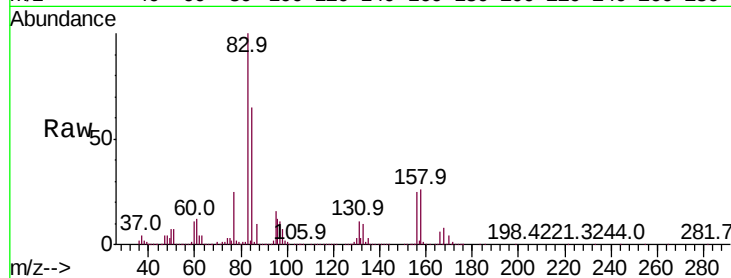
83 100

131 11.1 5.7 17.1

85 64.3 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.773 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

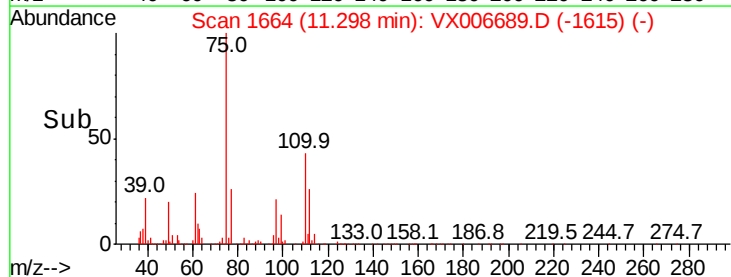
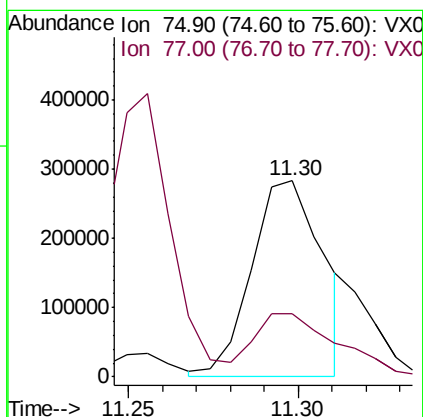
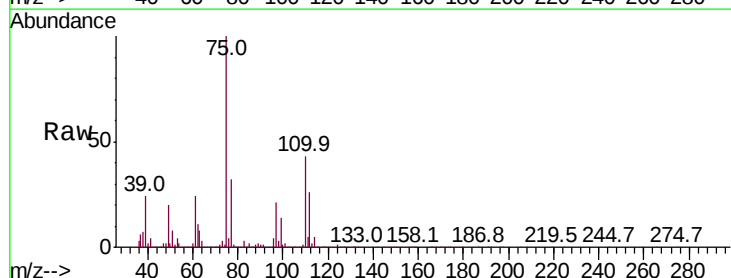
Lab File: VX006689.D

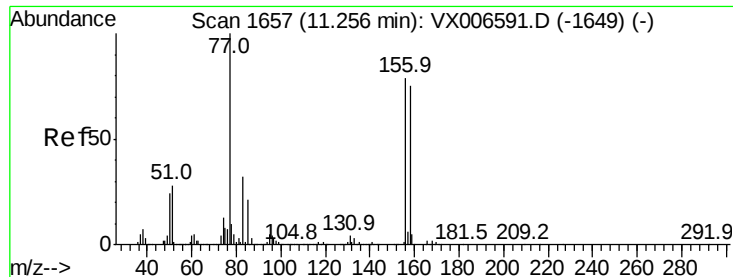
Acq: 20 Dec 2018 21:34

Tgt Ion: 75 Resp: 411387
Ion Ratio Lower Upper

75 100

77 37.9 18.5 55.5





#77

Bromobenzene

Concen: 51.686 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

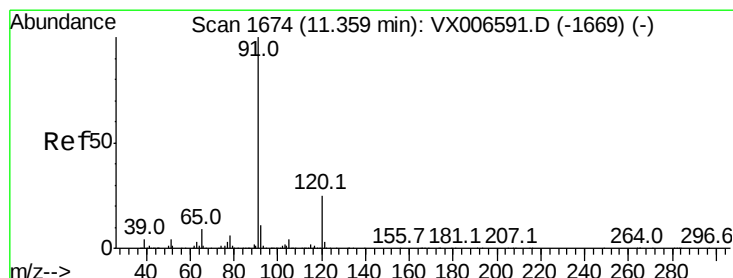
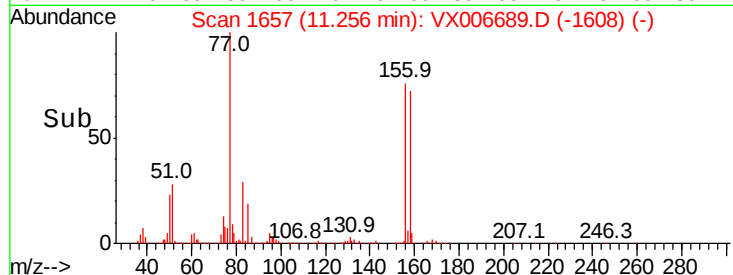
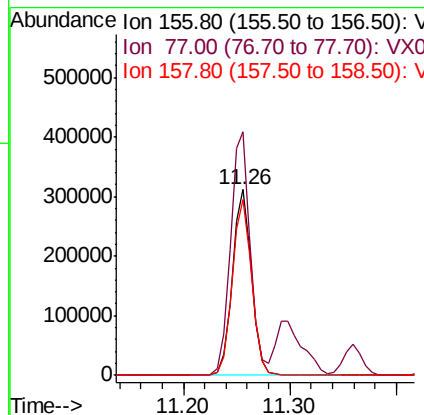
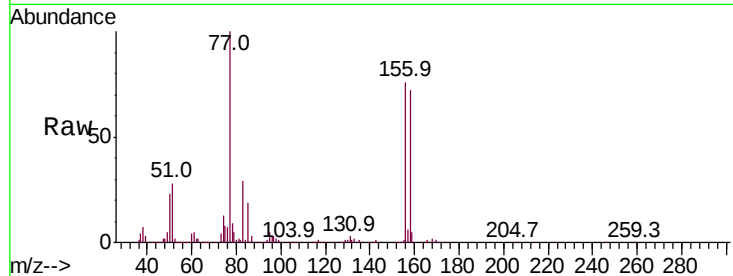
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.0	68.0	204.0
158	96.0	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.769 ug/l

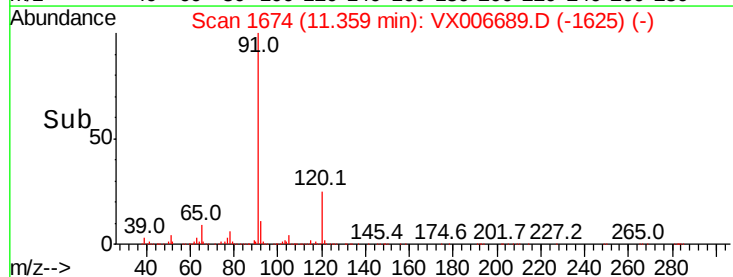
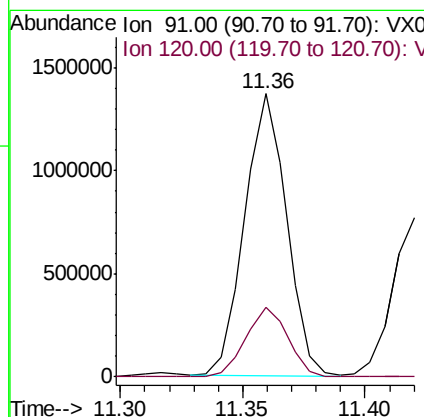
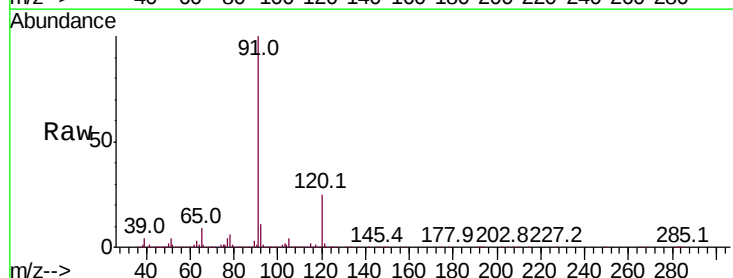
RT: 11.36 min Scan# 1674

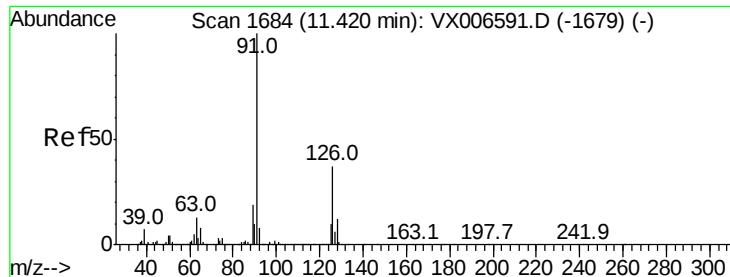
Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.7	38.0





#79

2-Chlorotoluene

Concen: 50.946 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 957474

Ion Ratio Lower Upper

91 100

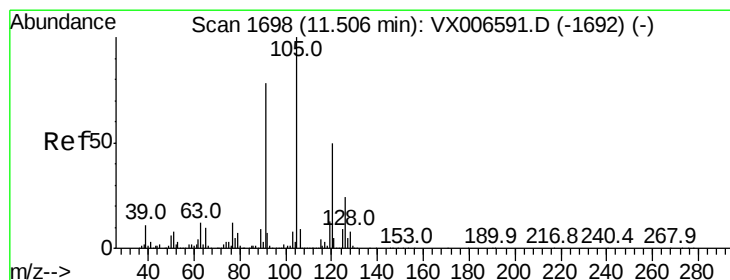
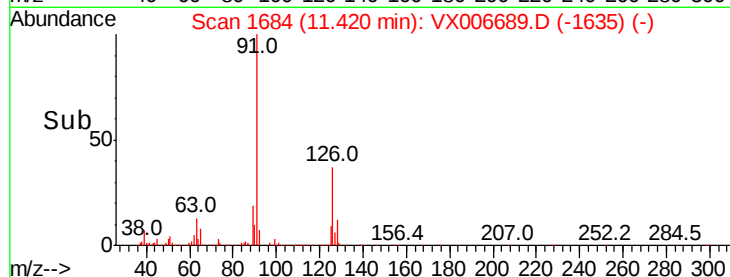
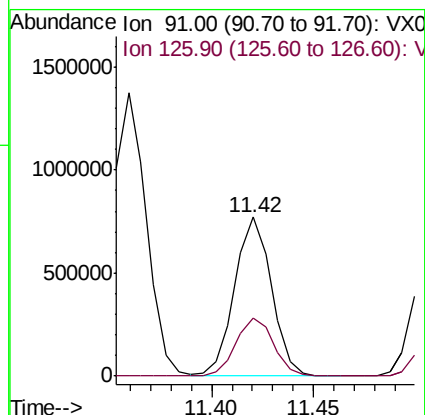
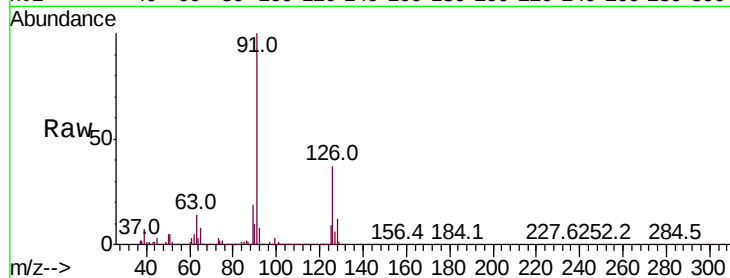
126 37.5 18.6 56.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.229 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006689.D

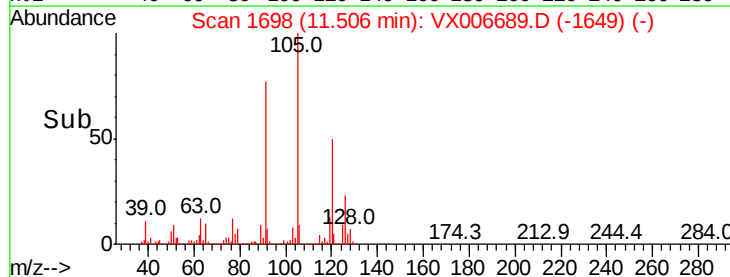
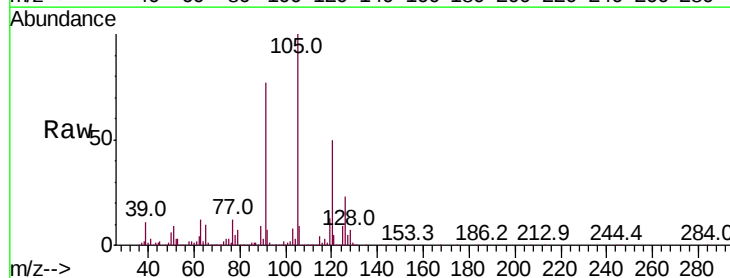
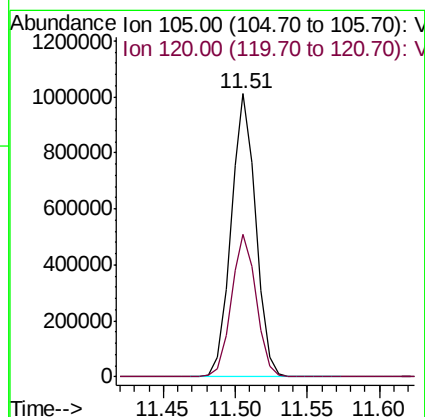
Acq: 20 Dec 2018 21:34

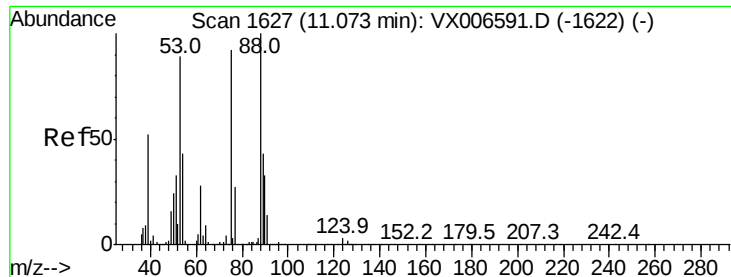
Tgt Ion: 105 Resp: 1211533

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.3





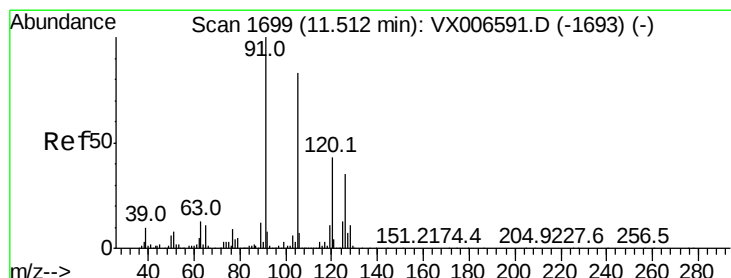
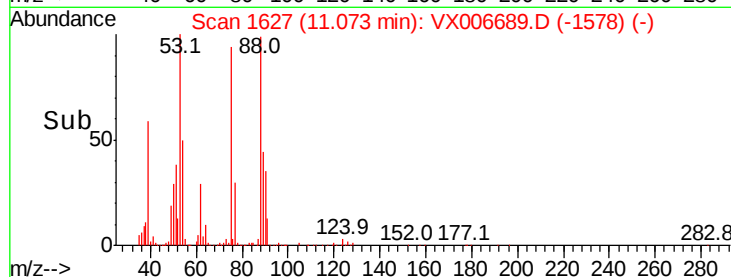
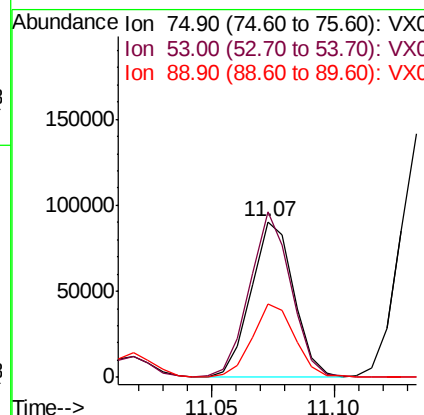
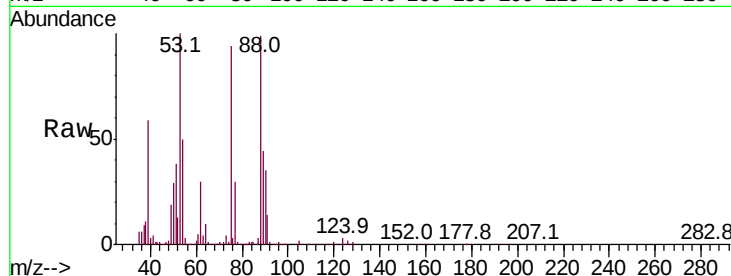
#81
trans-1,4-Dichloro-2-butene
Concen: 44.218 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	79.7	119.5
89	47.5	38.0	57.0

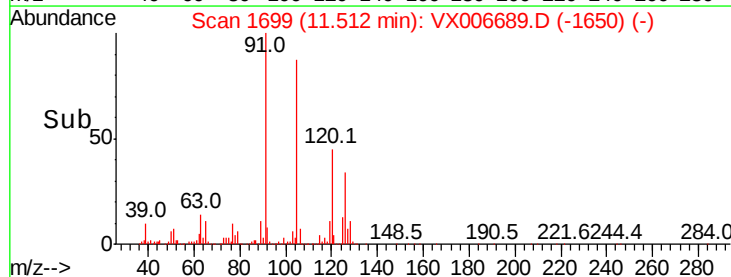
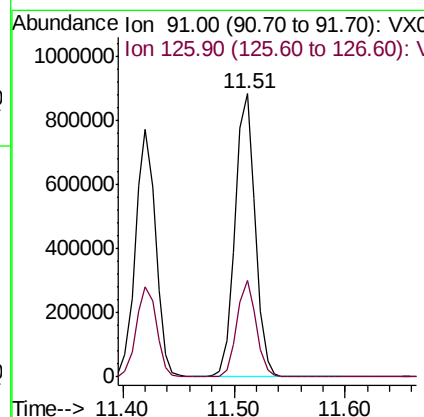
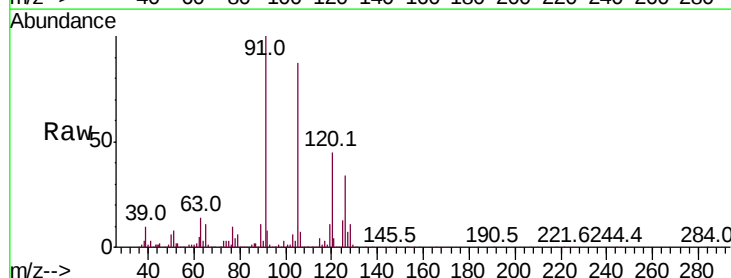
Manual Integrations
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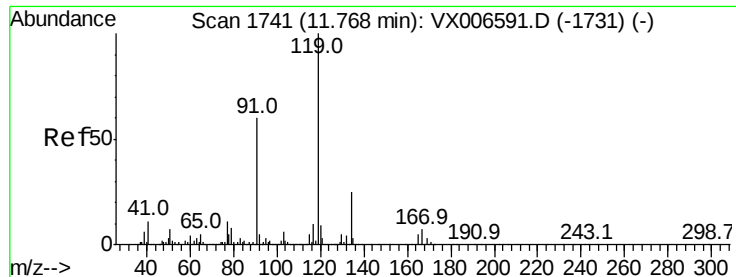
MMDadoda
12/21/2018 10:19:16 AM



#82
4-Chlorotoluene
Concen: 51.214 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.3	48.9





#83

tert-Butylbenzene

Concen: 52.990 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

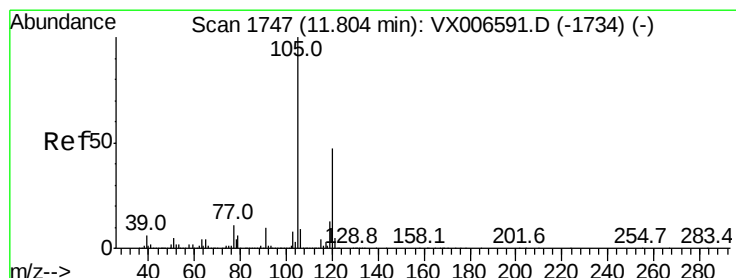
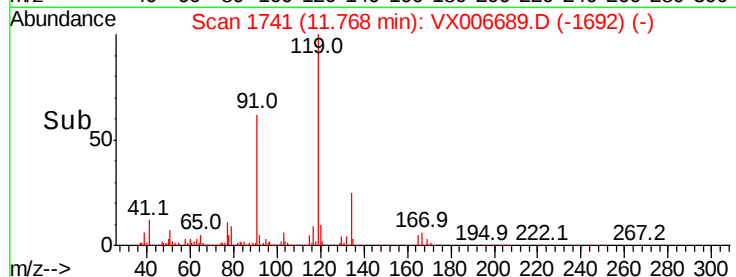
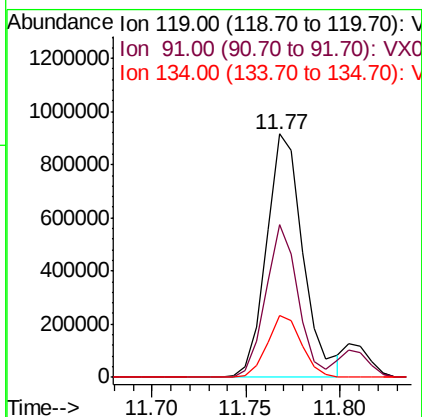
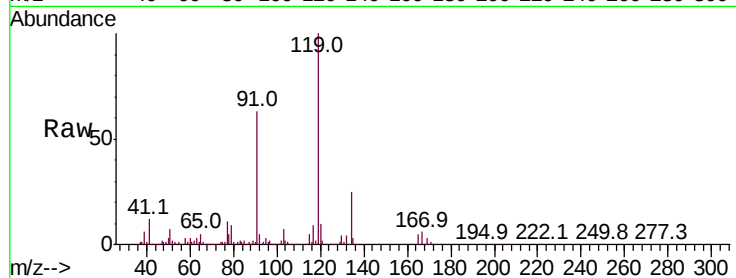
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	1230231
Ion Ratio	Lower	Upper	
119	100		
91	55.4	27.7	83.1
134	24.0	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 51.241 ug/l

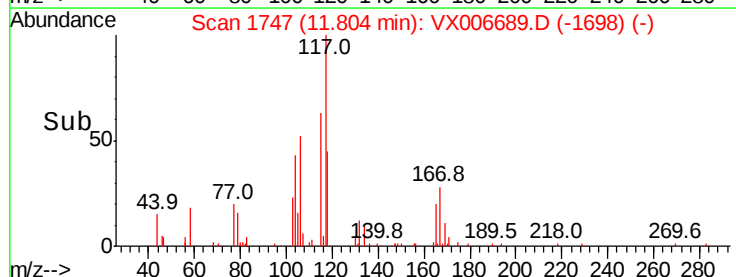
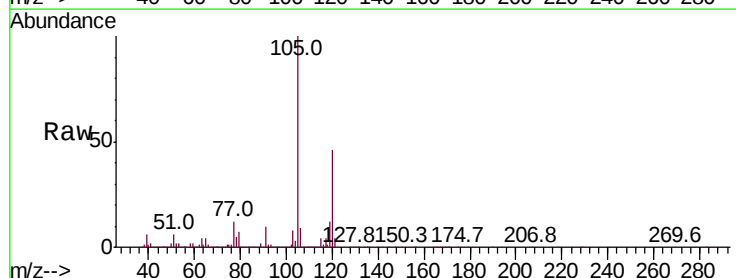
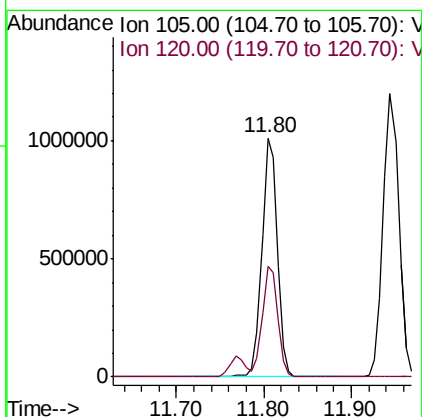
RT: 11.80 min Scan# 1747

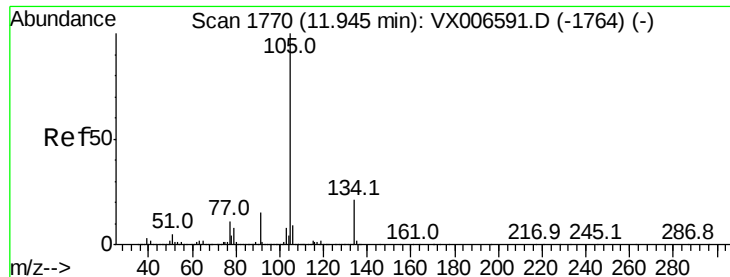
Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion:	105	Resp:	1250221
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.2	69.6





#85

sec-Butylbenzene

Concen: 52.406 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1491706

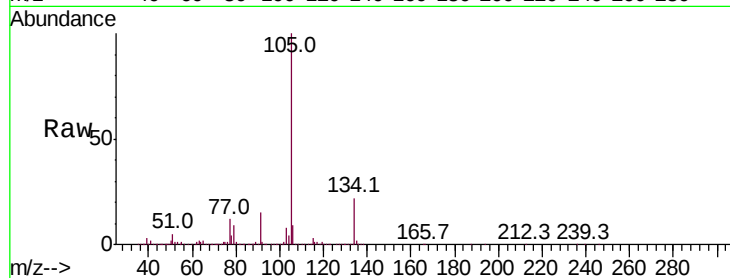
Ion Ratio Lower Upper

105 100

134 21.6 10.7 31.9

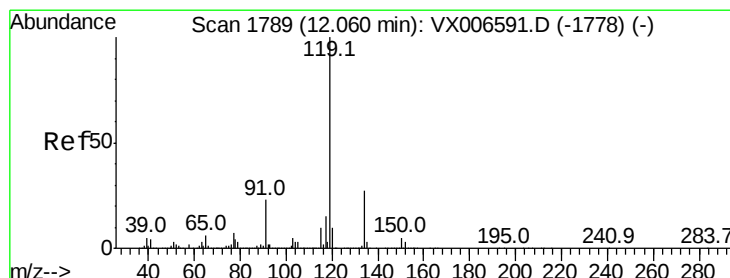
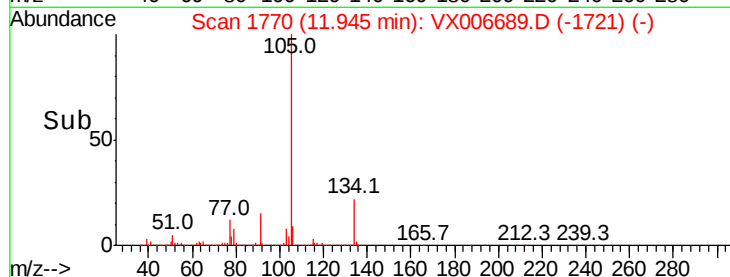
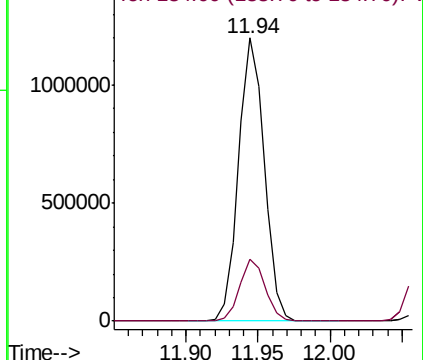
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.980 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

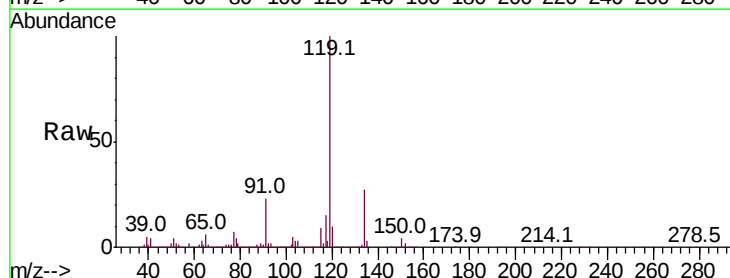
Tgt Ion:119 Resp: 1325621

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

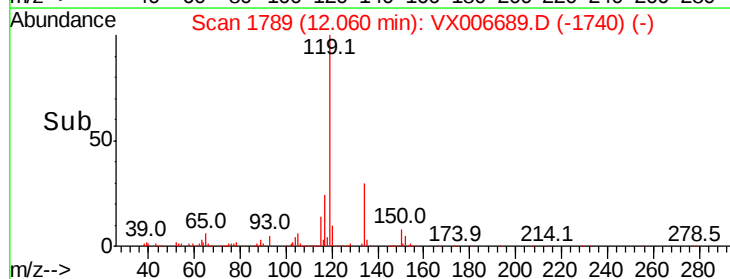
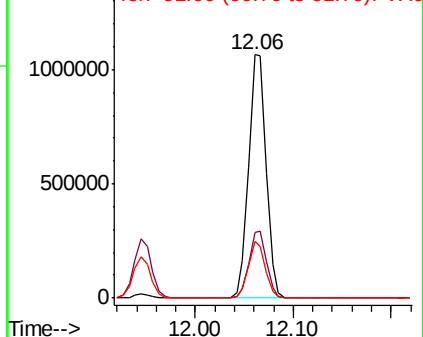
91 22.5 11.3 33.9

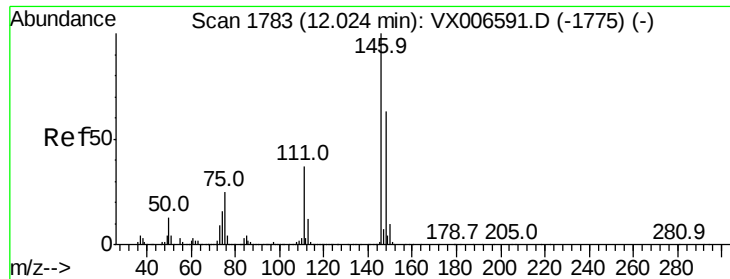


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 51.107 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006689.D

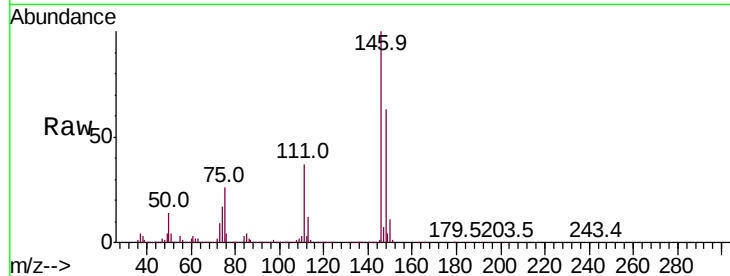
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	701303		
111	37.0	18.6	55.8	
148	64.4	31.8	95.3	

Manual Integrations
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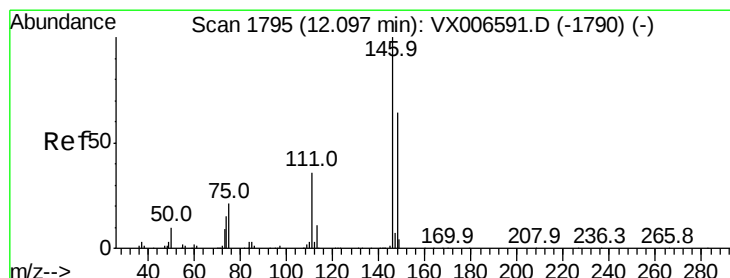
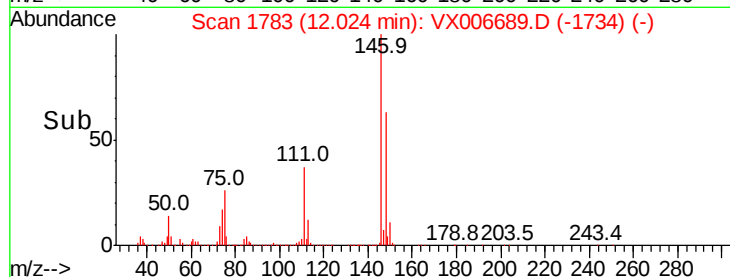
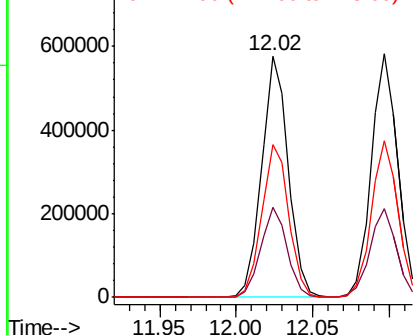


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.793 ug/l

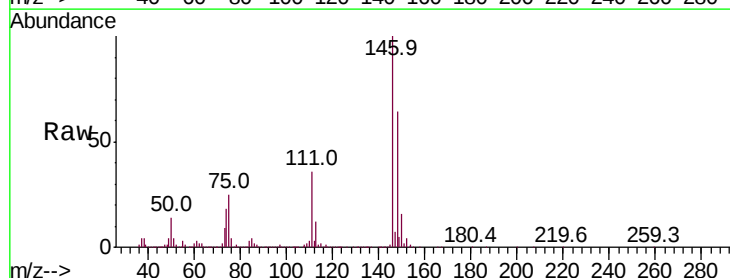
RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	700449		
111	36.8	18.1	54.1	
148	64.6	31.9	95.9	

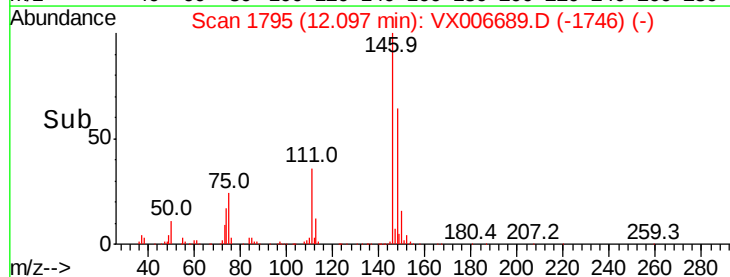
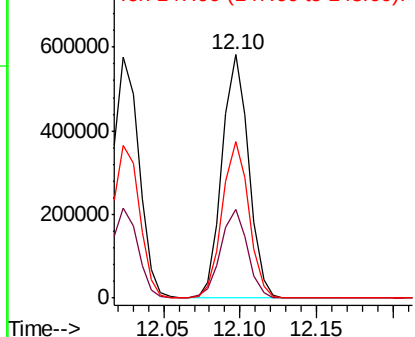


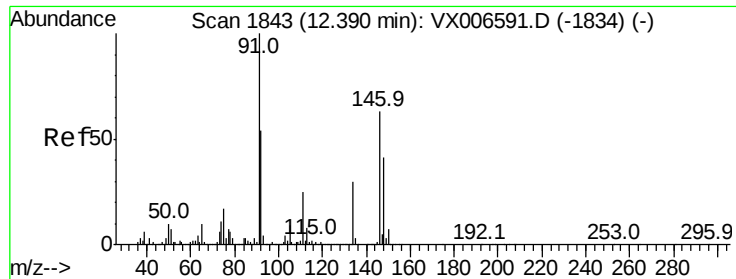
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





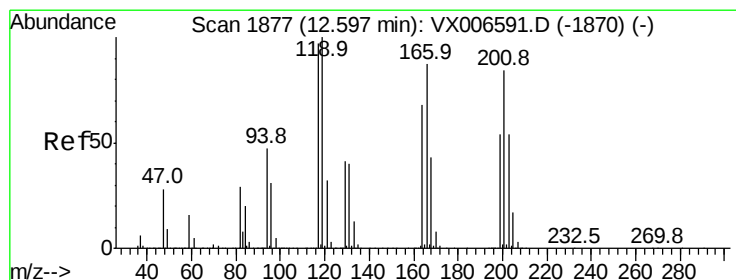
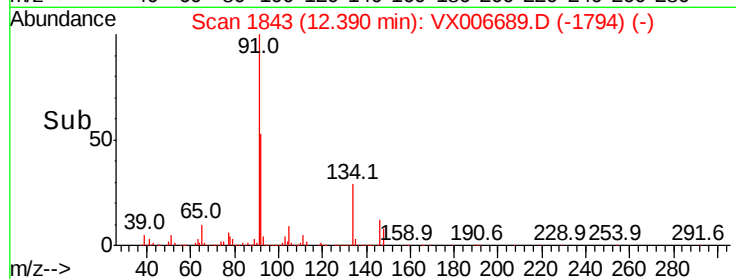
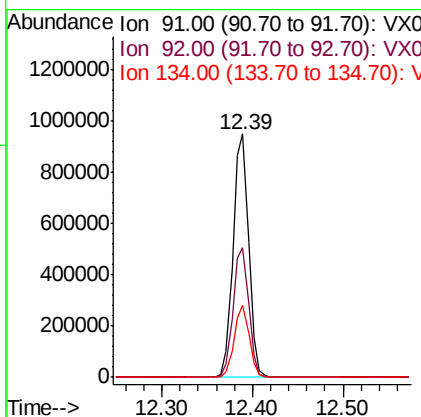
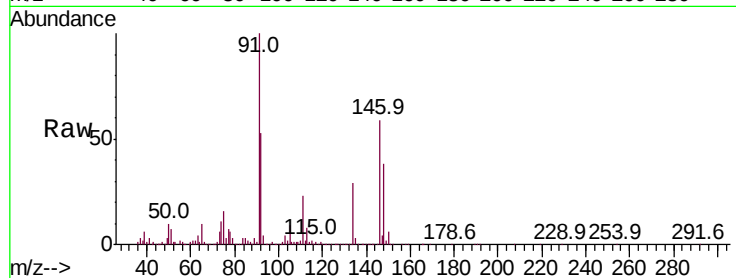
#89
n-Butylbenzene
Concen: 52.852 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	28.6	14.4	43.2

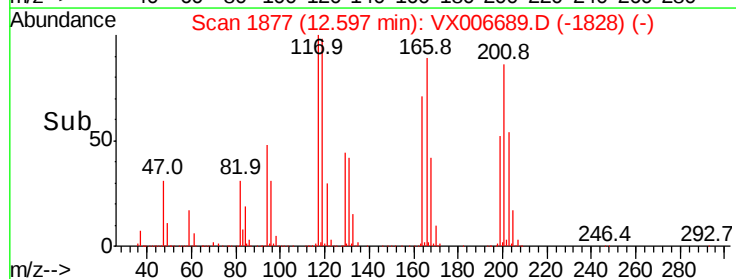
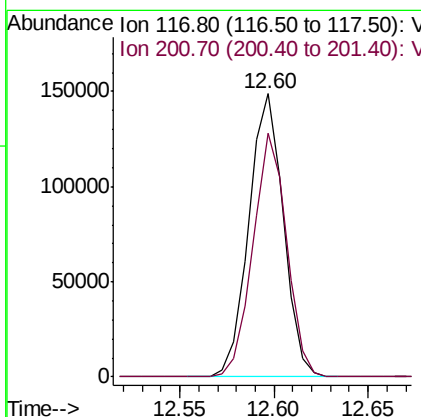
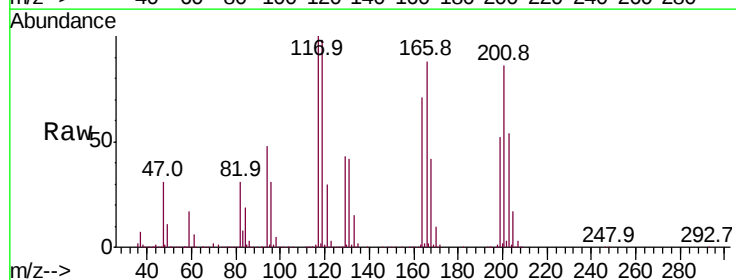
Manual Integrations
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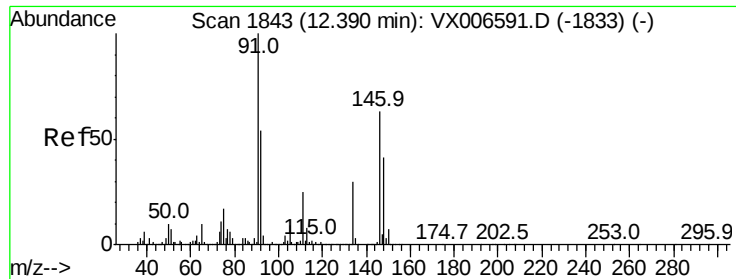
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#90
Hexachloroethane
Concen: 48.377 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006689.D
Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 50.156 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

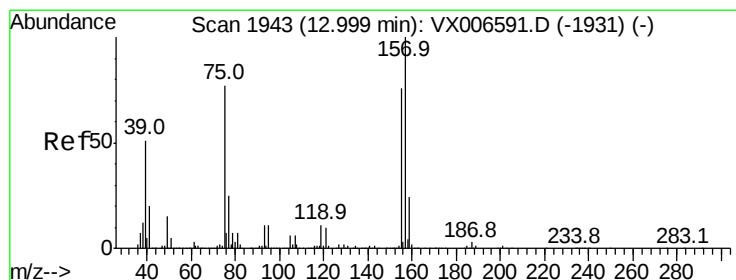
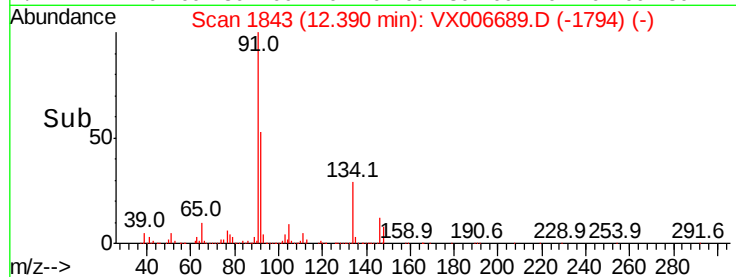
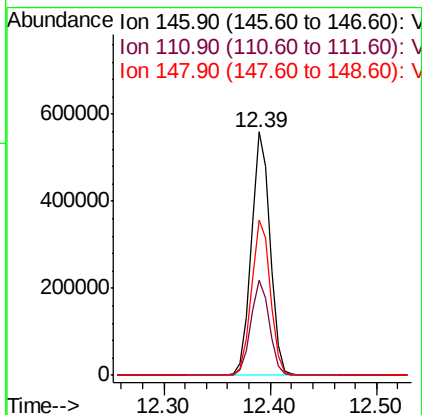
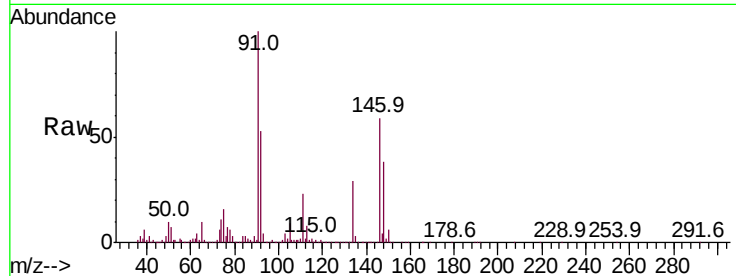
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	688491
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.4	58.2
148	64.3	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.524 ug/l

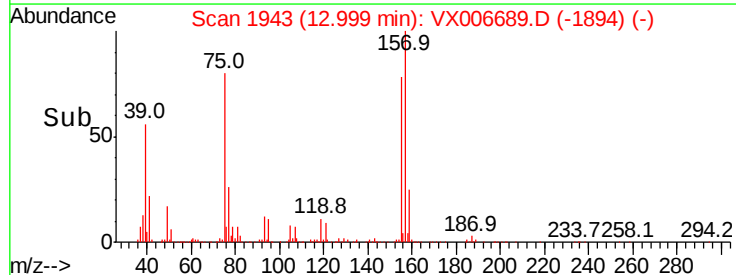
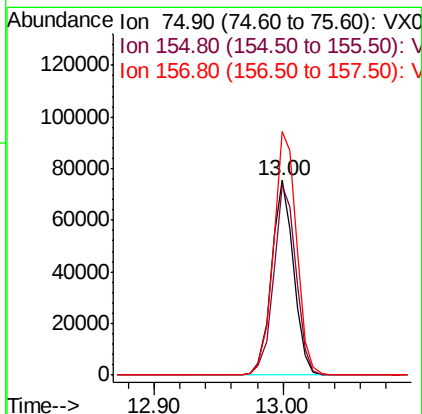
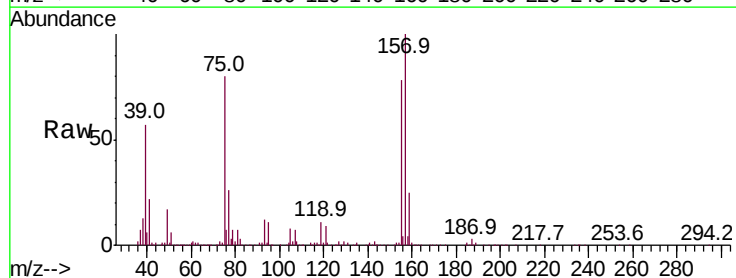
RT: 13.00 min Scan# 1943

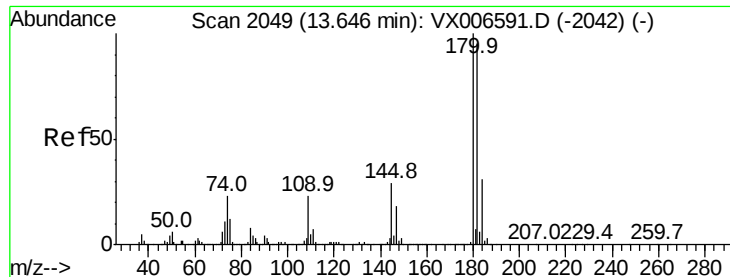
Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Tgt Ion:	75	Resp:	91026
Ion Ratio	Lower	Upper	
75	100		
155	98.7	50.6	151.8
157	130.0	64.6	193.8





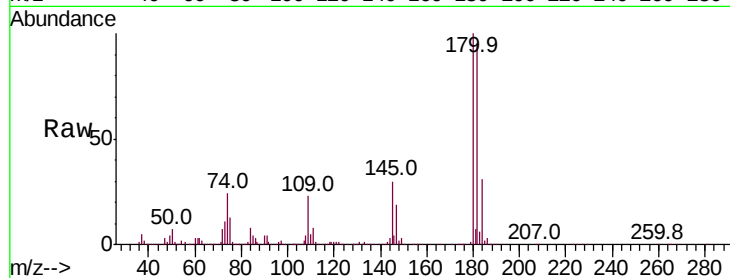
#93
 1,2,4-Trichlorobenzene
 Concen: 51.998 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

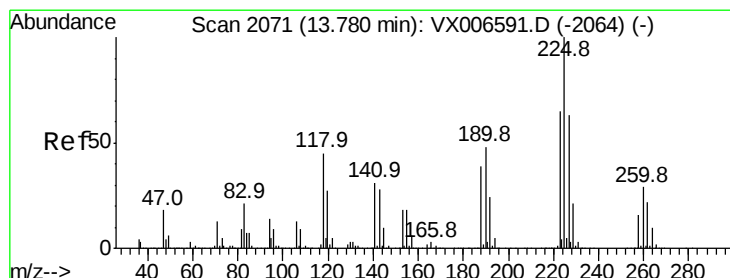
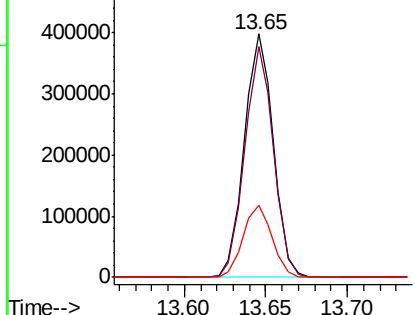
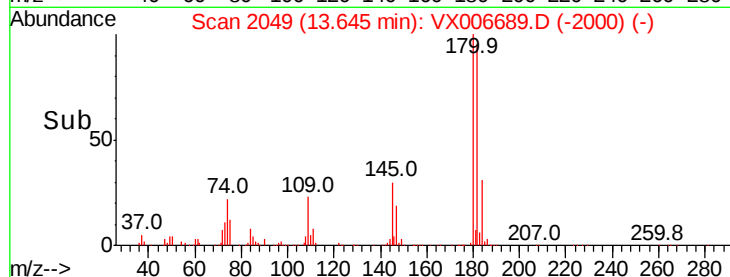
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	47.3	142.0	
145	29.7	14.8	44.3	

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 10:19:16 AM

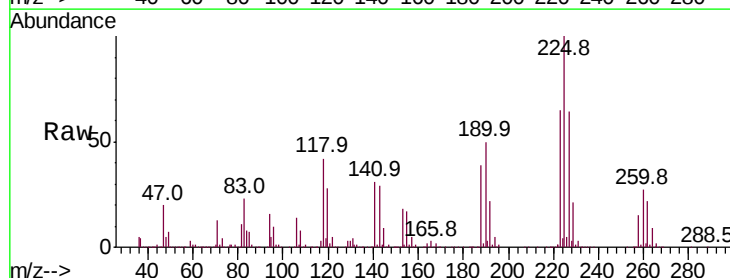


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

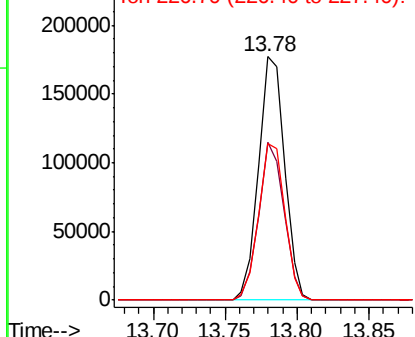
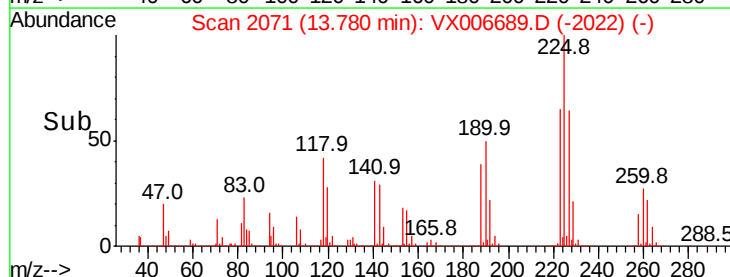


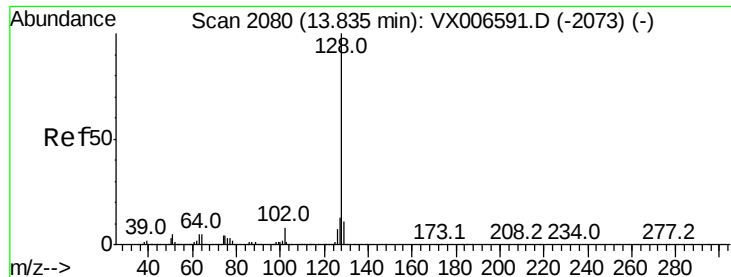
#94
 Hexachlorobutadiene
 Concen: 49.442 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006689.D
 Acq: 20 Dec 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	32.1	96.3	
227	64.7	32.3	96.8	



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: 51.808 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1565674

Ion Ratio Lower Upper

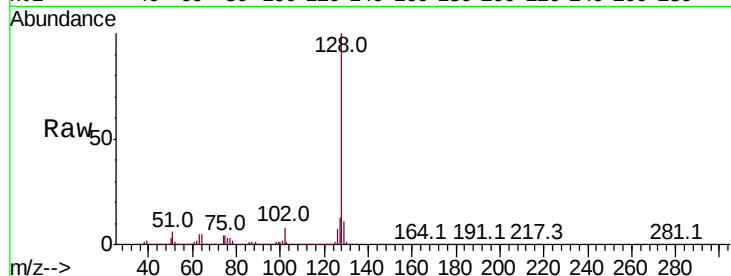
128 100

127 12.9 10.1 15.1

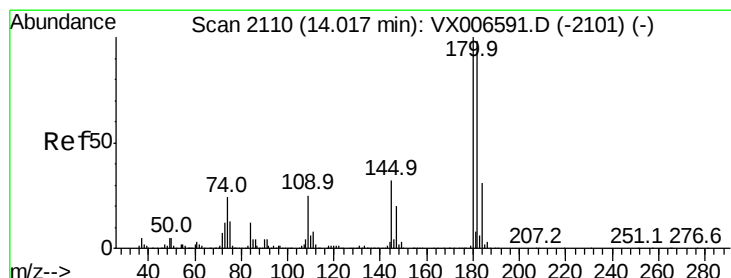
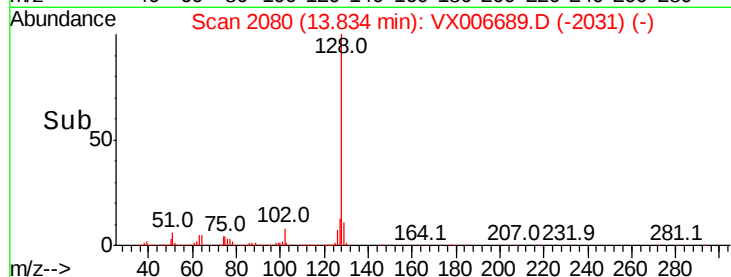
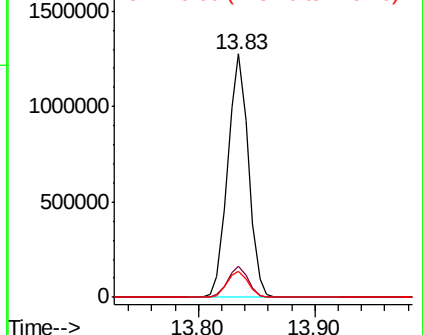
129 11.0 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:19:16 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.398 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006689.D

Acq: 20 Dec 2018 21:34

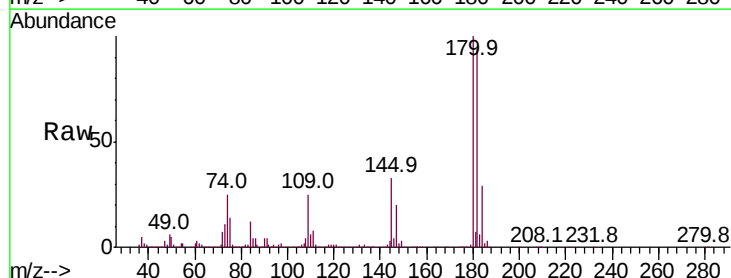
Tgt Ion:180 Resp: 492712

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.5

145 31.7 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

