

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080119\
 Data File : VX011262.D
 Acq On : 01 Aug 2019 16:13
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:07:05 AM

Quant Time: Aug 02 01:41:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:21:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	149389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	218306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	199872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109420	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	71487	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	5.49	113	68937	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	8.71	98	259201	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.13	95	94486	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	56961	43.138	ug/l	100
3) Chloromethane	1.32	50	62863	46.406	ug/l	100
4) Vinyl Chloride	1.40	62	71288	51.021	ug/l	100
5) Bromomethane	1.63	94	49924	59.376	ug/l	100
6) Chloroethane	1.71	64	47304	52.454	ug/l	100
7) Trichlorofluoromethane	1.92	101	129103	53.664	ug/l	100
8) Diethyl Ether	2.18	74	43647	52.517	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	68050	50.010	ug/l	100
10) Methyl Iodide	2.50	142	94574	53.134	ug/l	100
11) Tert butyl alcohol	3.04	59	77246	212.785	ug/l	100
12) 1,1-Dichloroethene	2.37	96	67124	50.426	ug/l	100
13) Acrolein	2.29	56	46372	221.313	ug/l	100
14) Allyl chloride	2.72	41	95209	49.308	ug/l	100
15) Acrylonitrile	3.14	53	185282	246.953	ug/l	100
16) Acetone	2.43	43	176675	245.984	ug/l	100
17) Carbon Disulfide	2.56	76	164247	48.508	ug/l	100
18) Methyl Acetate	2.76	43	80532	48.693	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	205372	47.992	ug/l	100
20) Methylene Chloride	2.85	84	75300	49.216	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	73283	51.461	ug/l	100
22) Diisopropyl ether	3.85	45	198459	48.634	ug/l	100
23) Vinyl Acetate	3.81	43	888906	256.964	ug/l	100
24) 1,1-Dichloroethane	3.69	63	117502	49.370	ug/l	100
25) 2-Butanone	4.67	43	262838	254.232	ug/l	100
26) 2,2-Dichloropropane	4.57	77	94348	48.632	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	81505	49.553	ug/l	100
28) Bromochloromethane	5.01	49	51125	46.090	ug/l	100
29) Tetrahydrofuran	5.12	42	162186	248.070	ug/l	100
30) Chloroform	5.20	83	126472	49.124	ug/l	100
31) Cyclohexane	5.57	56	98399	46.115	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	111531	50.230	ug/l	100
36) 1,1-Dichloropropene	5.79	75	94483	52.111	ug/l	100
37) Ethyl Acetate	4.82	43	95215	51.758	ug/l	100
38) Carbon Tetrachloride	5.78	117	99113	52.554	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111536	48.180	ug/l	100
40) Benzene	6.13	78	289539	52.138	ug/l	100
41) Methacrylonitrile	5.03	41	52970	50.160	ug/l	100
42) 1,2-Dichloroethane	6.19	62	94847	49.361	ug/l	100
43) Isopropyl Acetate	6.44	43	153519	50.637	ug/l	100
44) Trichloroethene	7.21	130	85595	51.998	ug/l	100
45) 1,2-Dichloropropane	7.51	63	72729	51.466	ug/l	100
46) Dibromomethane	7.66	93	52592	52.118	ug/l	100
47) Bromodichloromethane	7.90	83	93567	52.274	ug/l	100
48) Methyl methacrylate	7.76	41	73467	49.815	ug/l	100
49) 1,4-Dioxane	7.74	88	42306	1019.909	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	516151	261.753	ug/l	100
52) Toluene	8.78	92	191123	52.348	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	101831	53.046	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	114644	53.557	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	78371	52.120	ug/l	100
56) Ethyl methacrylate	9.18	69	115608	52.961	ug/l	100
57) 1,3-Dichloropropane	9.37	76	121699	51.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	278953	266.669	ug/l	100
59) 2-Hexanone	9.49	43	411052	268.763	ug/l	100
60) Dibromochloromethane	9.58	129	83773	55.199	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85416	53.498	ug/l	100
64) Tetrachloroethene	9.34	164	83283	52.090	ug/l	100
65) Chlorobenzene	10.13	112	214060	51.411	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	78400	53.778	ug/l	100
67) Ethyl Benzene	10.25	91	369806	52.360	ug/l	100
68) m/p-Xylenes	10.36	106	292200	107.303	ug/l	100
69) o-Xylene	10.69	106	140373	52.992	ug/l	100
70) Styrene	10.71	104	242626	54.864	ug/l	100
71) Bromoform	10.85	173	64111	55.134	ug/l	100
73) Isopropylbenzene	11.02	105	380065	50.885	ug/l	100
74) N-amyl acetate	10.90	43	147666	52.037	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	126649	51.781	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	103566m	51.965	ug/l	
77) Bromobenzene	11.26	156	104606	50.740	ug/l	100
78) n-propylbenzene	11.36	91	427003	51.797	ug/l	100
79) 2-Chlorotoluene	11.42	91	248516	50.308	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	318462	51.245	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36660	50.997	ug/l	100
82) 4-Chlorotoluene	11.51	91	292804	50.845	ug/l	100
83) tert-Butylbenzene	11.77	119	316566	51.704	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	327091	52.028	ug/l	100
85) sec-Butylbenzene	11.94	105	378289	52.648	ug/l	100
86) p-Isopropyltoluene	12.06	119	353229	53.127	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	187429	52.239	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	189460	51.529	ug/l	100
89) n-Butylbenzene	12.38	91	306685	53.925	ug/l	100
90) Hexachloroethane	12.60	117	54795	52.484	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	187812	52.760	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	25823	50.984	ug/l	100

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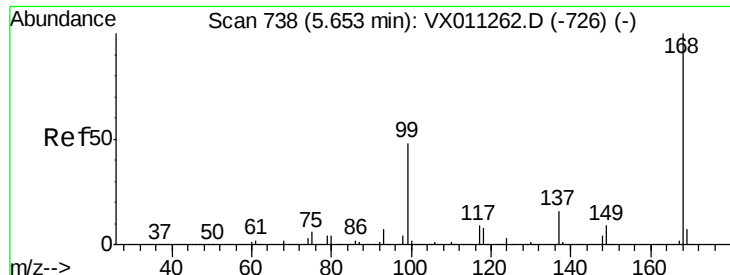
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	127931	53.185	ug/l	100
94) Hexachlorobutadiene	13.78	225	63184	52.810	ug/l	100
95) Naphthalene	13.83	128	388007	54.578	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128150	53.433	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tgt Ion:168 Resp: 149389

Ion Ratio Lower Upper

168 100

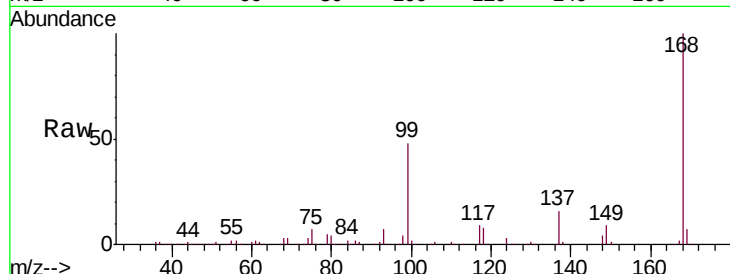
99 48.1 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

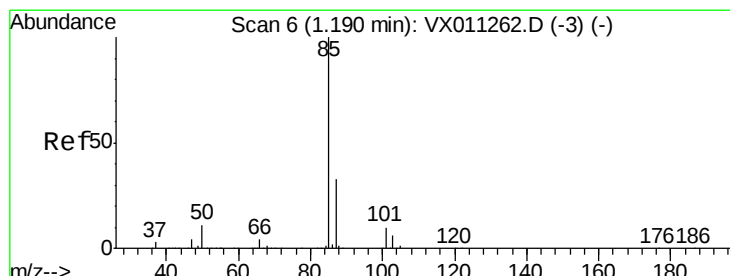
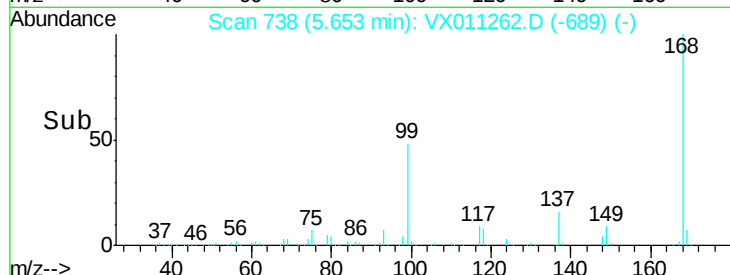
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 43.138 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011262.D

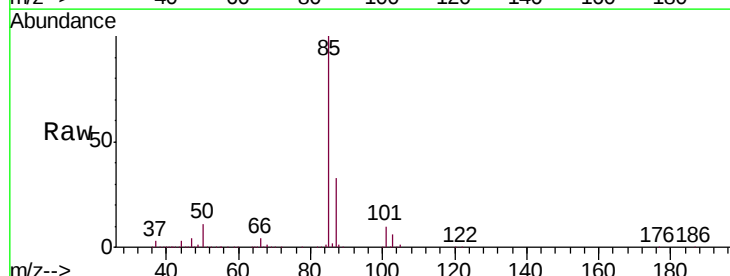
Acq: 01 Aug 2019 16:13

Tgt Ion: 85 Resp: 56961

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

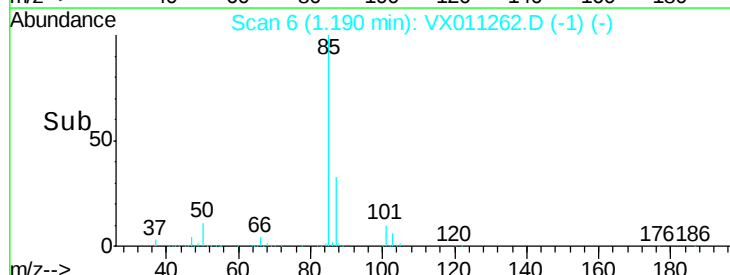
60000

40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.406 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 62863

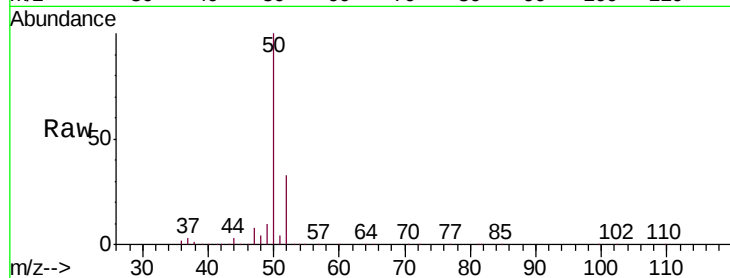
Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6

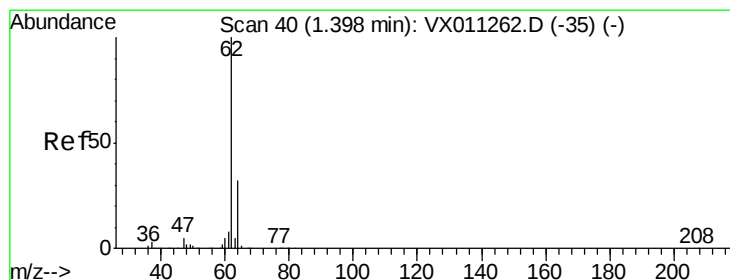
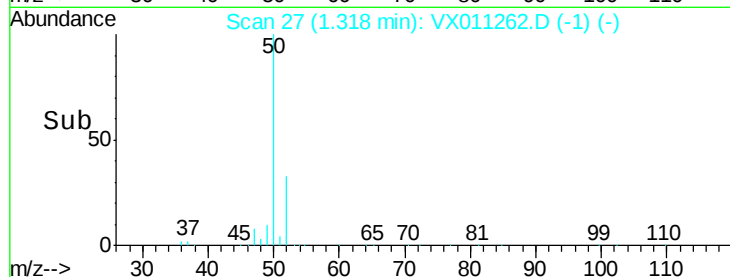
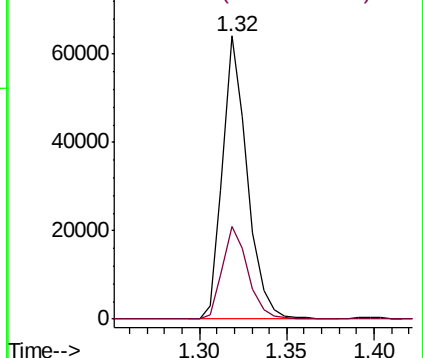
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.021 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011262.D

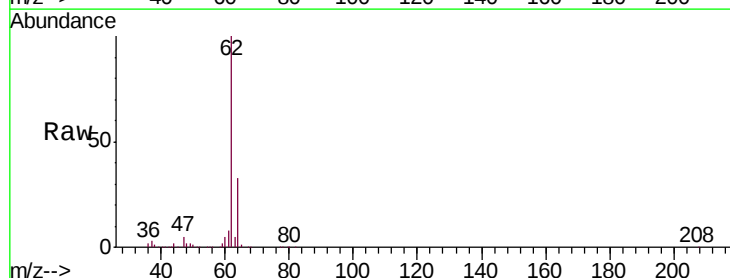
Acq: 01 Aug 2019 16:13

Tgt Ion: 62 Resp: 71288

Ion Ratio Lower Upper

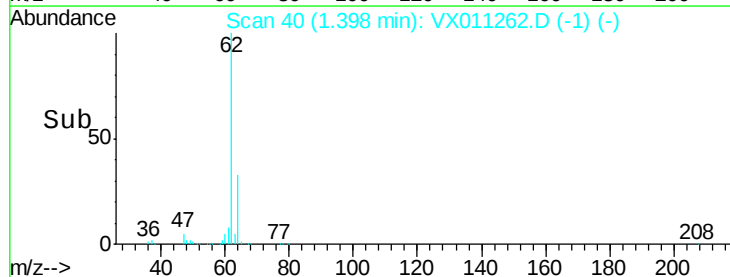
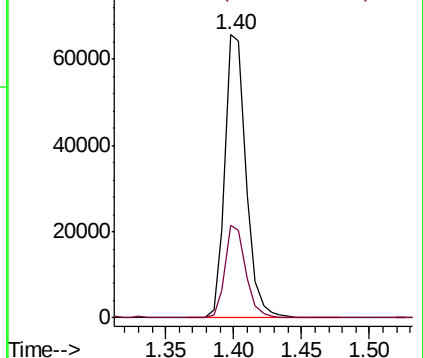
62 100

64 32.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 59.376 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 49924

Ion Ratio Lower Upper

94 100

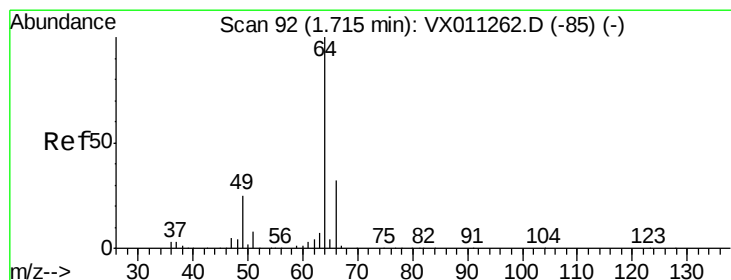
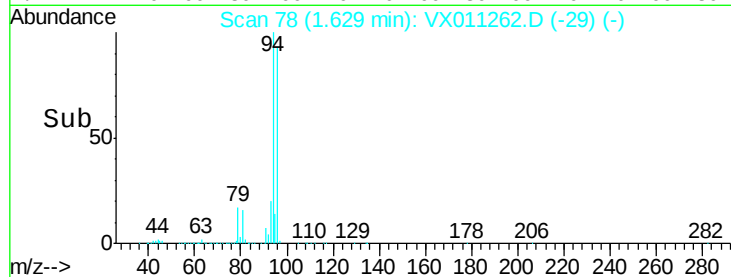
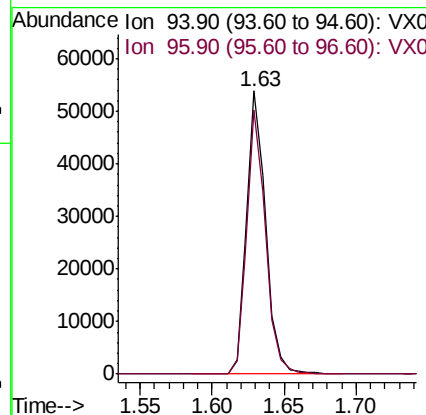
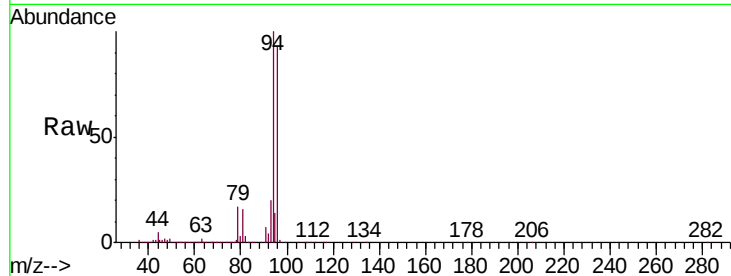
96 93.3 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 52.454 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011262.D

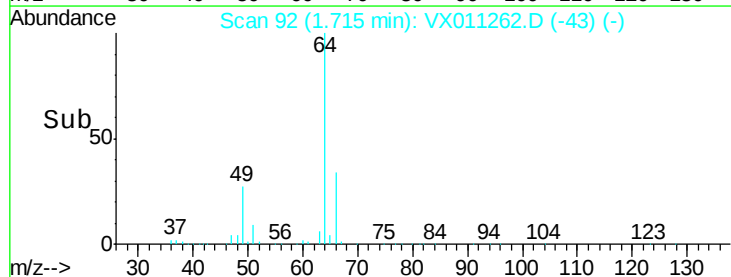
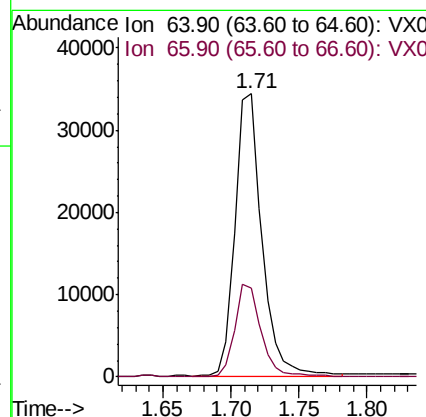
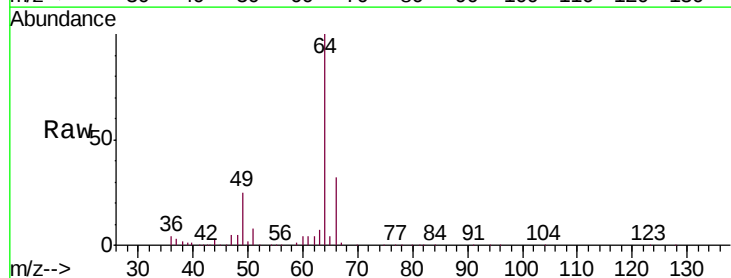
Acq: 01 Aug 2019 16:13

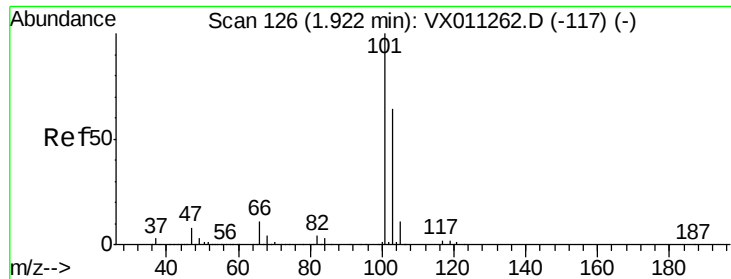
Tgt Ion: 64 Resp: 47304

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

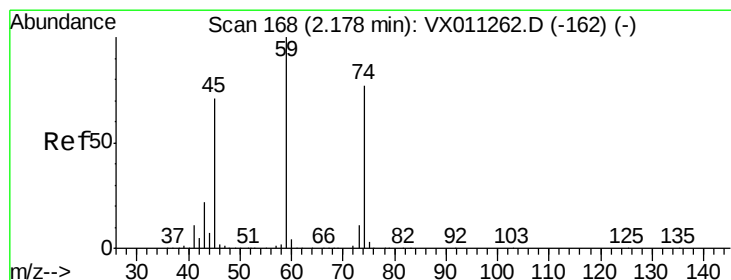
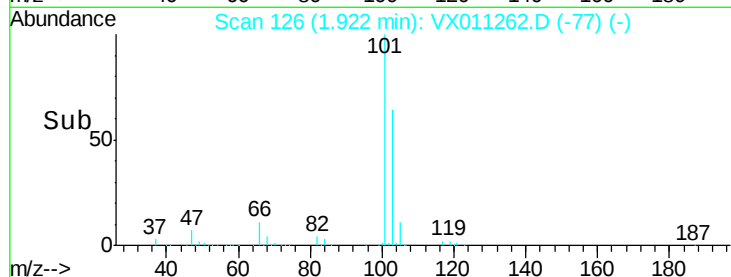
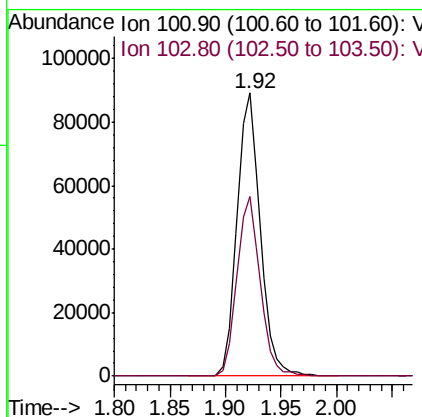
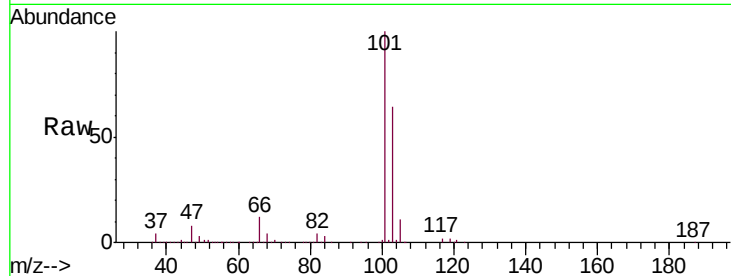
Trichlorofluoromethane
Concen: 53.664 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
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ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.9	76.3

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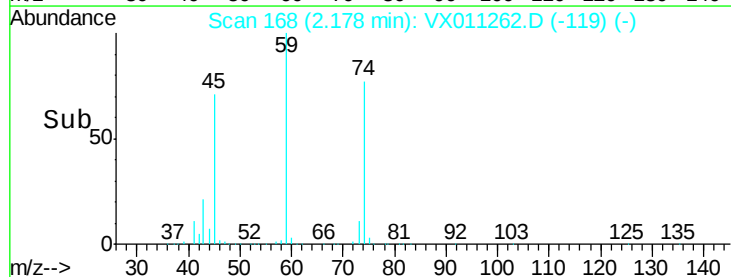
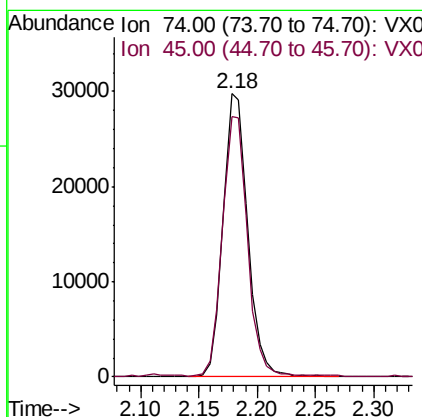
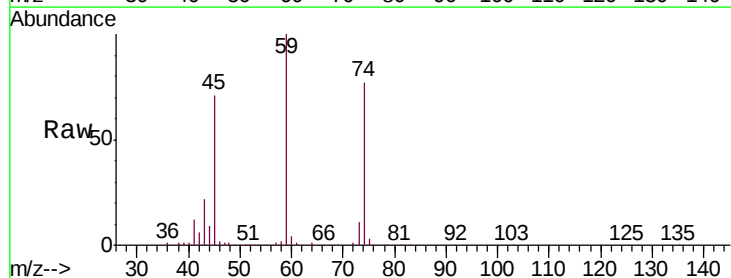
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#8

Diethyl Ether
Concen: 52.517 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	46.1	138.3





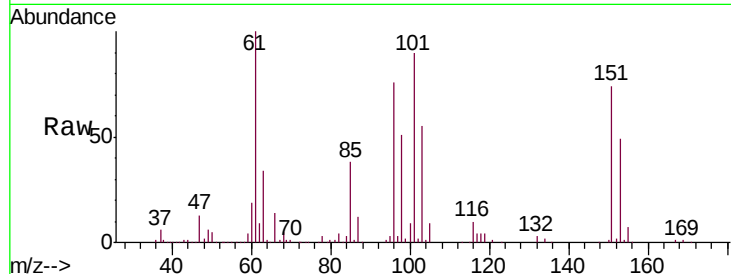
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.010 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

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VSTDICCC050

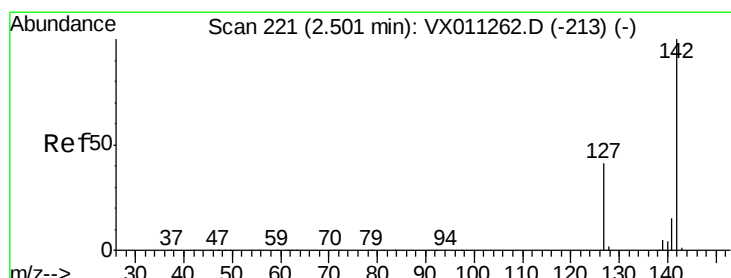
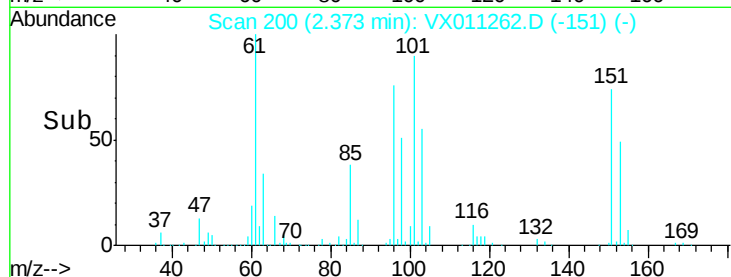
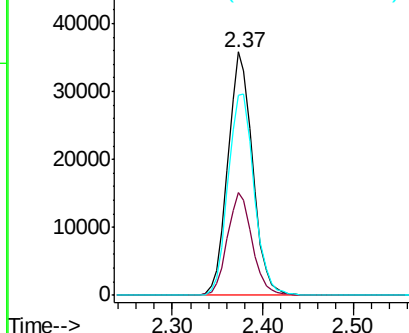
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	68050		
85	42.2	33.8	50.6	
151	86.9	69.5	104.3	

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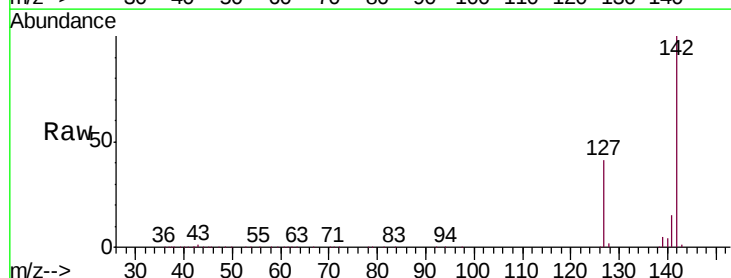


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V

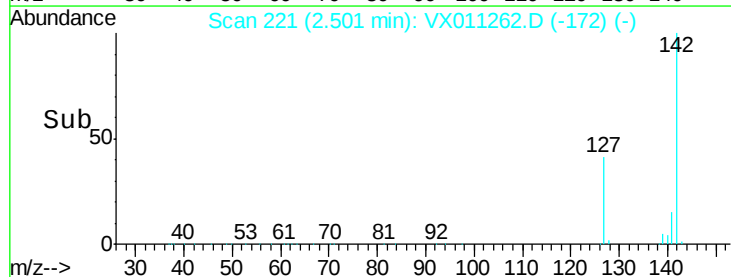
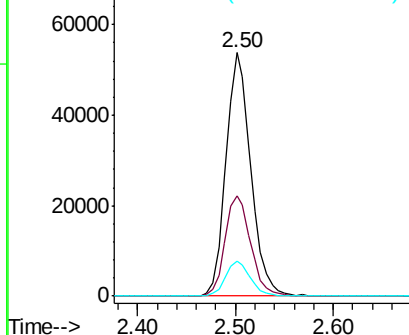


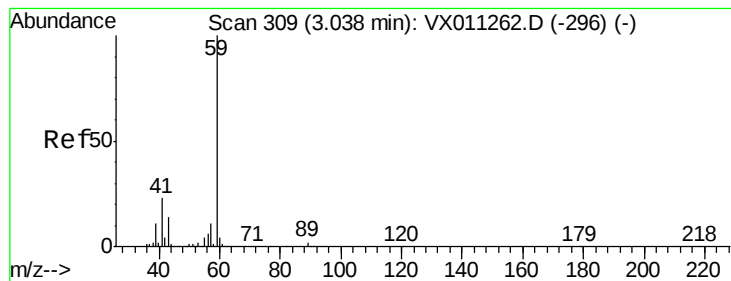
#10
Methyl Iodide
Concen: 53.134 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	94574		
127	42.3	33.8	50.8	
141	14.3	11.4	17.2	



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

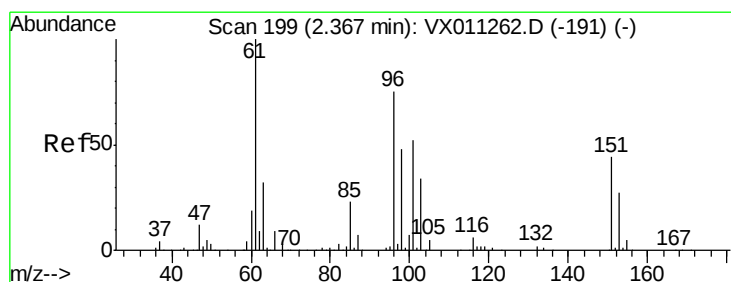
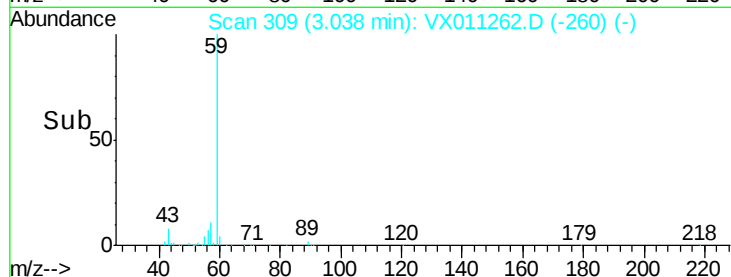
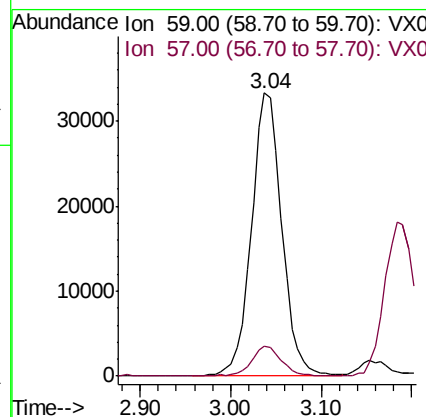
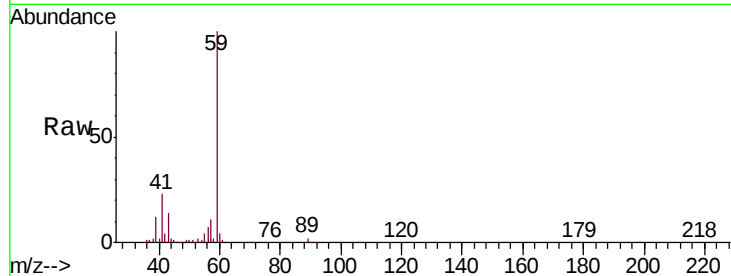
Tert butyl alcohol
Concen: 212.785 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 77246
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

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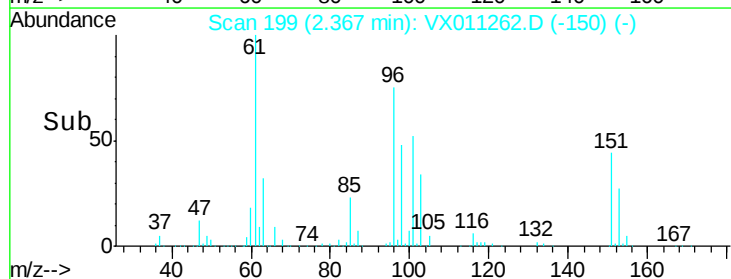
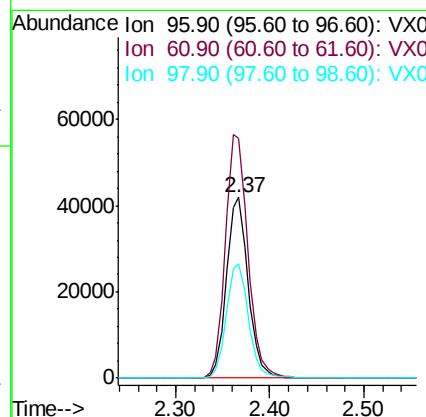
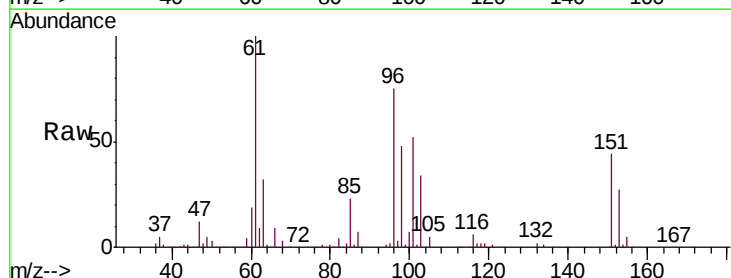
MMDadoda
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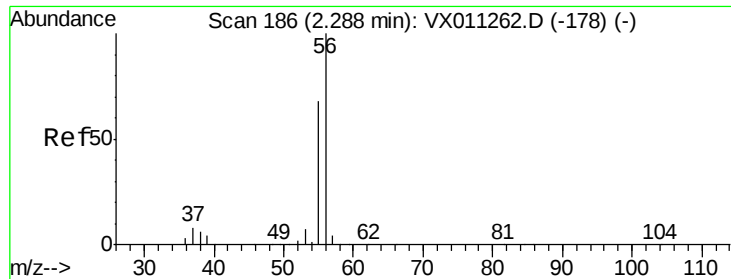


#12

1,1-Dichloroethene
Concen: 50.426 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion: 96 Resp: 67124
Ion Ratio Lower Upper
96 100
61 132.7 106.2 159.2
98 63.2 50.6 75.8





#13

Acrolein

Concen: 221.313 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 46372

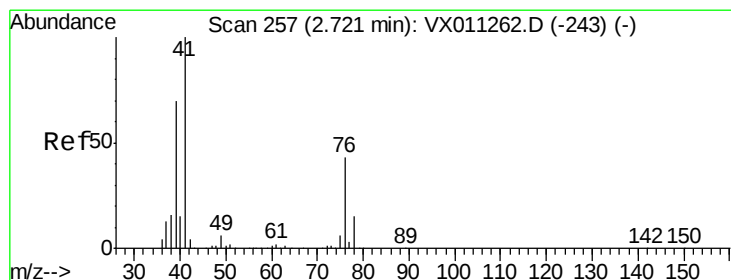
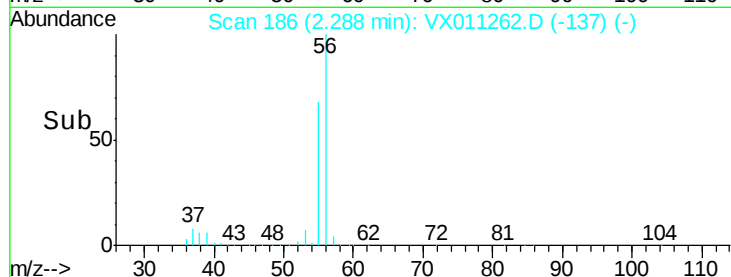
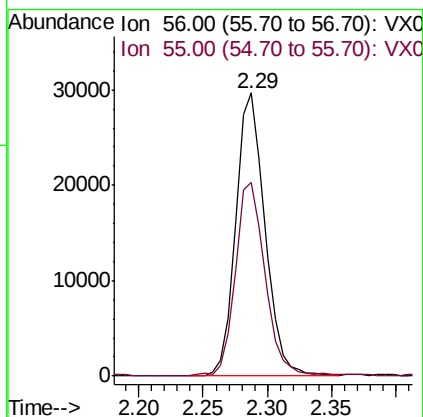
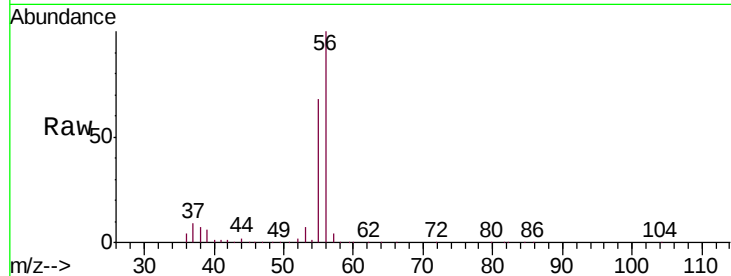
Ion Ratio Lower Upper

56 100

55 70.0 56.0 84.0

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#14

Allyl chloride

Concen: 49.308 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

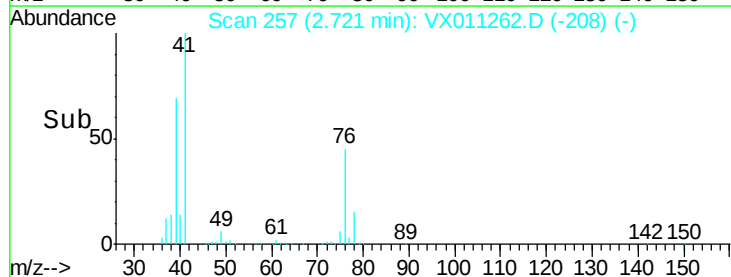
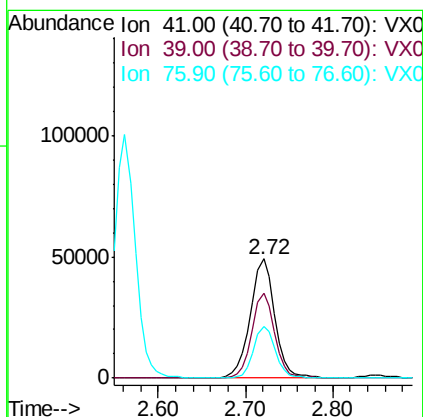
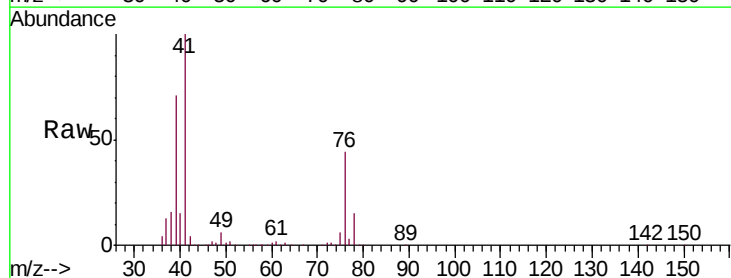
Tgt Ion: 41 Resp: 95209

Ion Ratio Lower Upper

41 100

39 66.0 52.8 79.2

76 38.9 31.1 46.7





#15

Acrylonitrile

Concen: 246.953 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

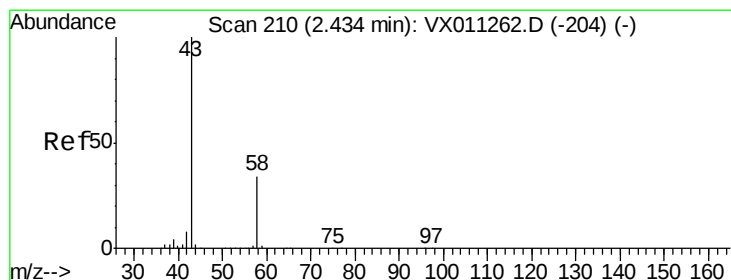
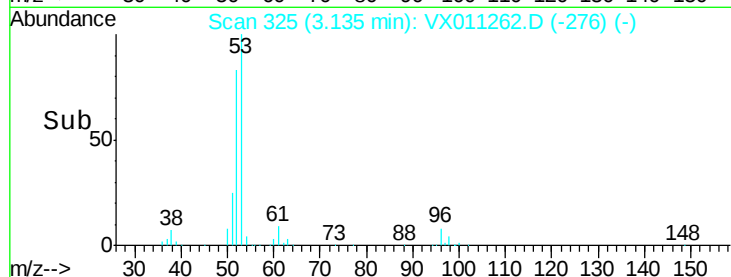
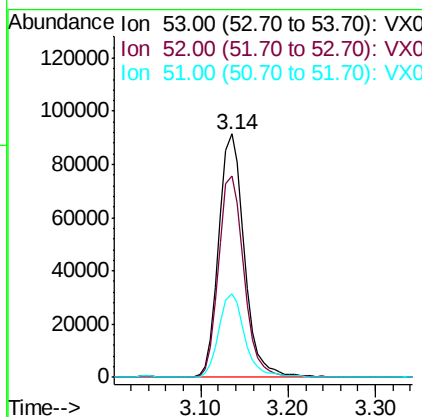
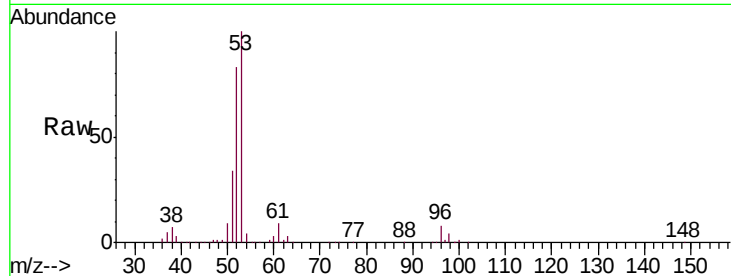
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	185282
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.5	98.3
51	34.9	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 245.984 ug/l

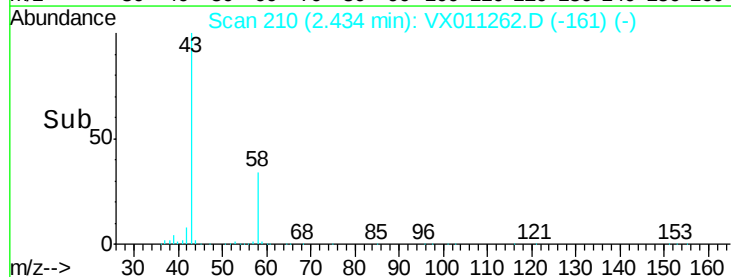
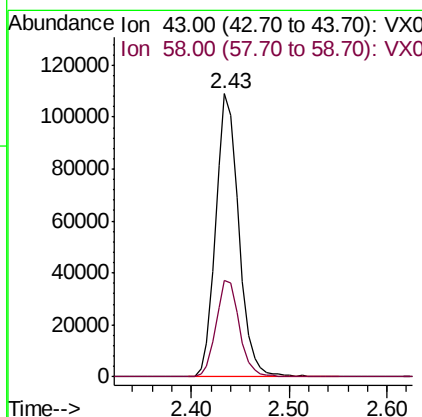
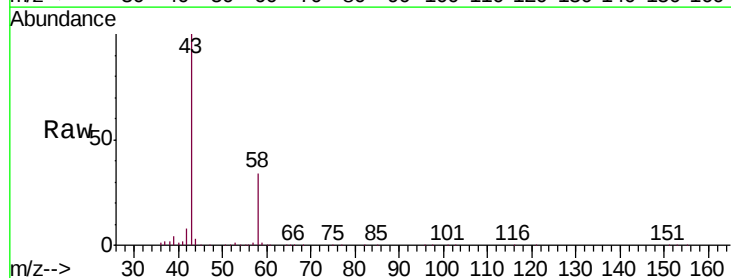
RT: 2.43 min Scan# 210

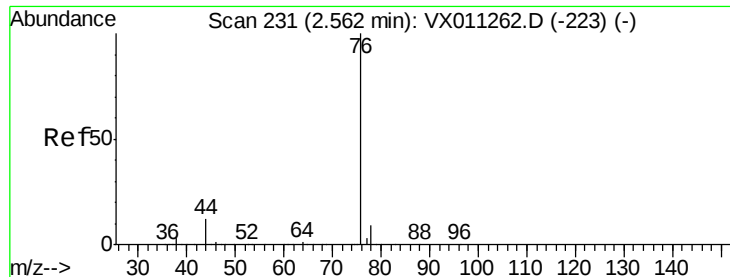
Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Tgt Ion:	43	Resp:	176675
Ion Ratio	Lower	Upper	
43	100		
58	34.2	27.4	41.0





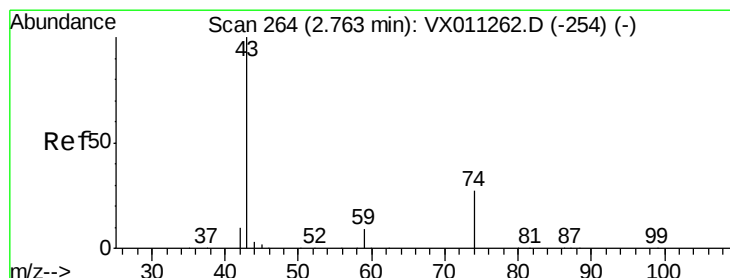
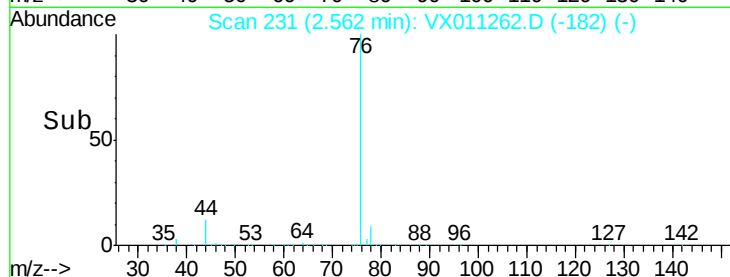
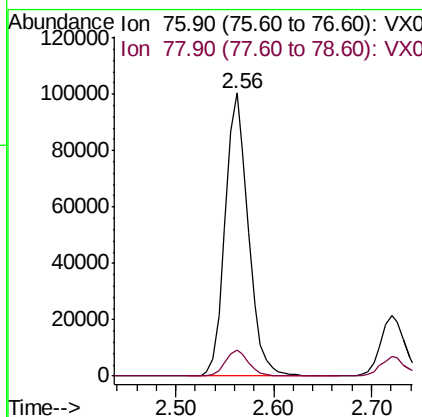
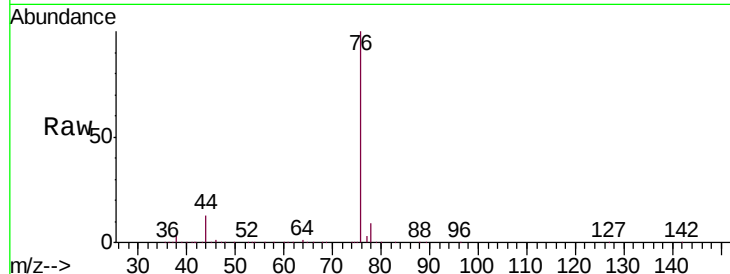
#17
Carbon Disulfide
Concen: 48.508 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 164247
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

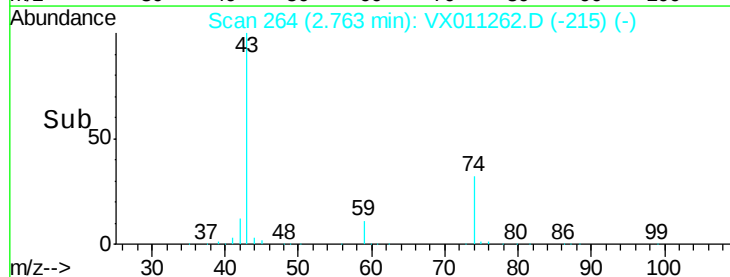
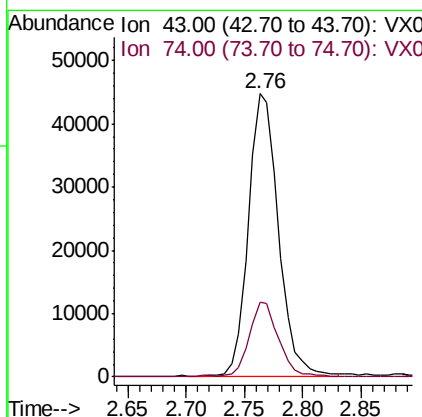
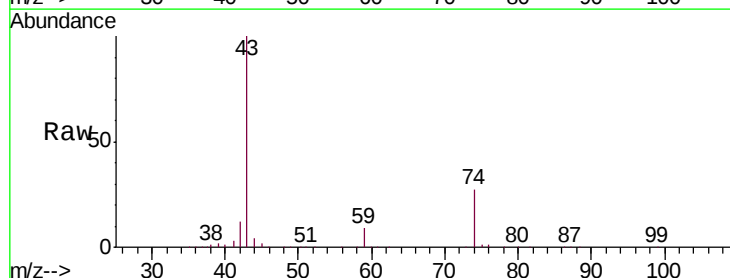
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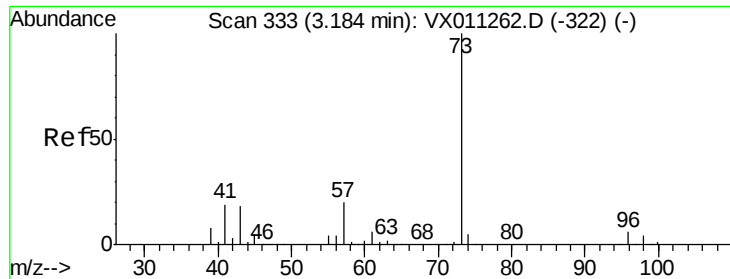
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#18
Methyl Acetate
Concen: 48.693 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion: 43 Resp: 80532
Ion Ratio Lower Upper
43 100
74 26.3 21.0 31.6





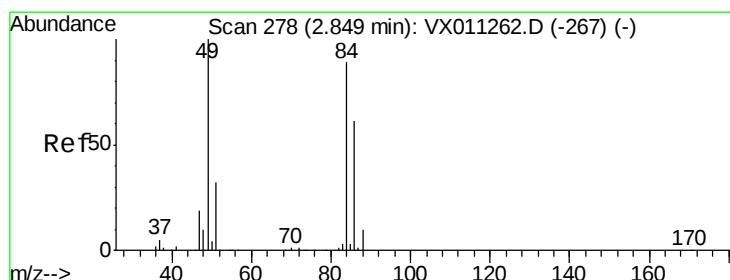
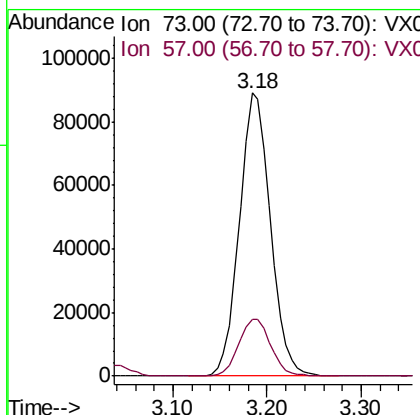
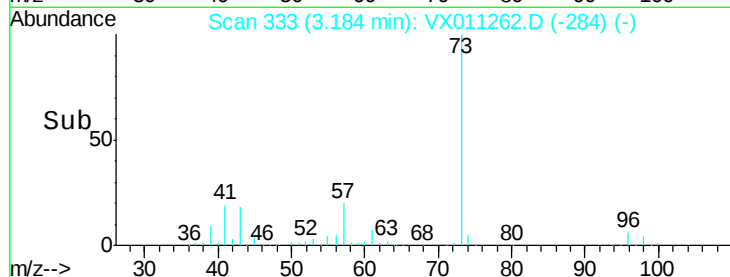
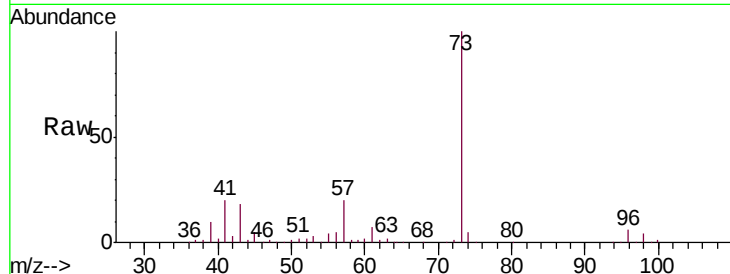
#19
Methyl tert-butyl Ether
Concen: 47.992 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 205372
Ion Ratio Lower Upper
73 100
57 20.2 16.2 24.2

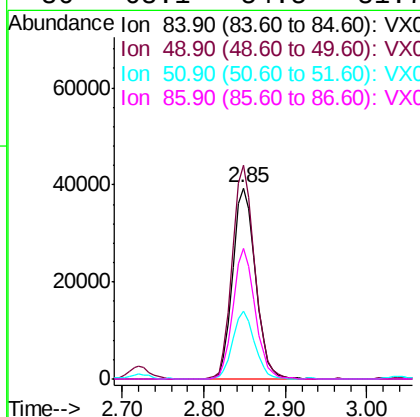
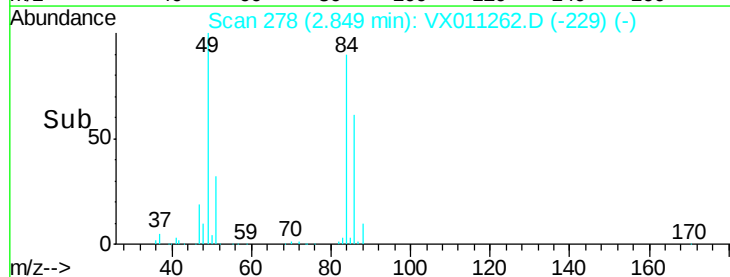
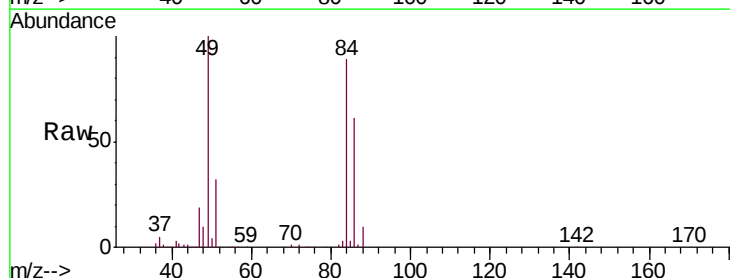
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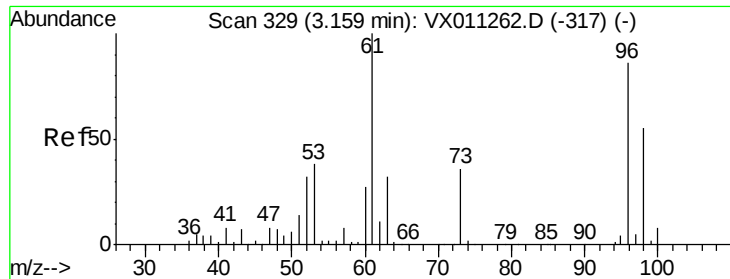
MMDadoda
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#20
Methylene Chloride
Concen: 49.216 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion: 84 Resp: 75300
Ion Ratio Lower Upper
84 100
49 111.6 89.3 133.9
51 35.4 28.3 42.5
86 68.1 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 51.461 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 73283

Ion Ratio Lower Upper

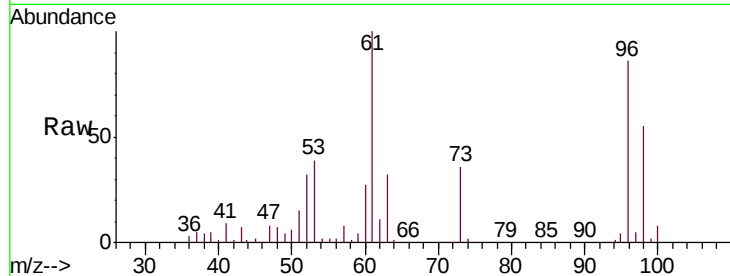
96 100

61 116.0 92.8 139.2

98 64.0 51.2 76.8

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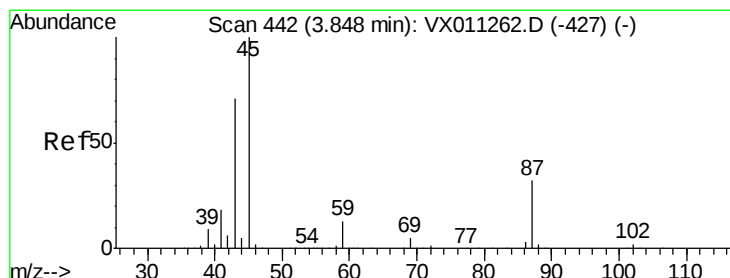
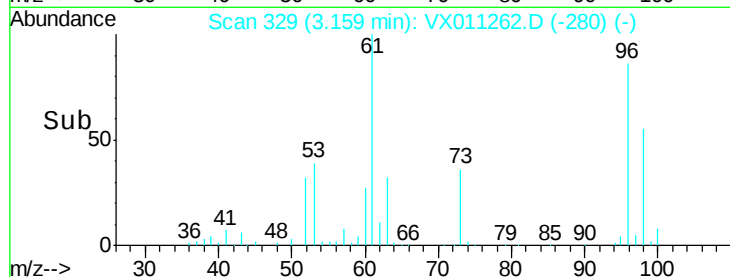
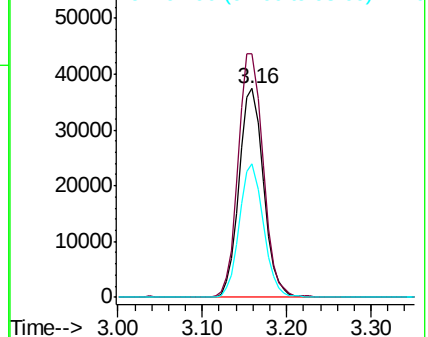


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.634 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Tgt Ion: 45 Resp: 198459

Ion Ratio Lower Upper

45 100

43 71.0 56.8 85.2

87 32.2 25.8 38.6

59 12.9 10.3 15.5

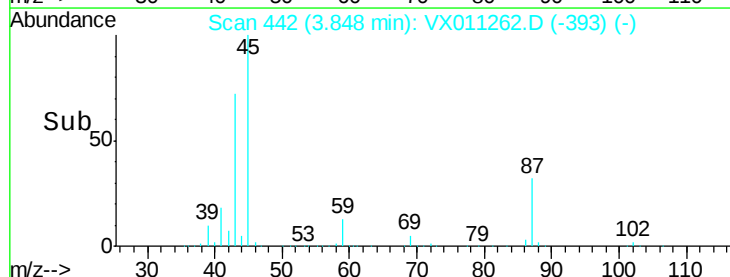
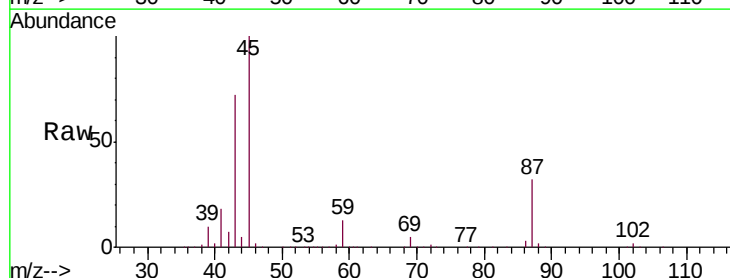
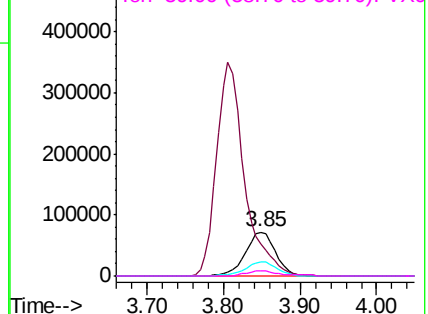
Abundance

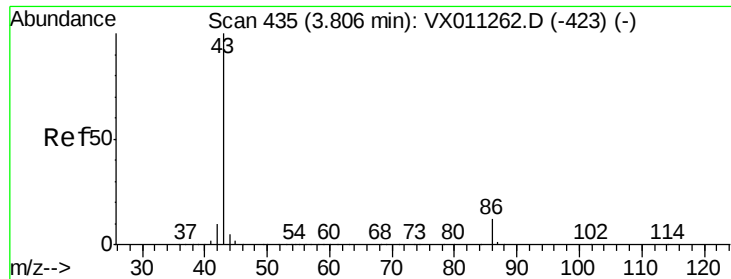
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 256.964 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 888906

Ion Ratio Lower Upper

43 100

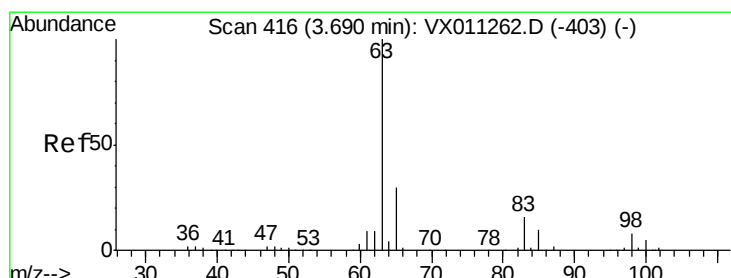
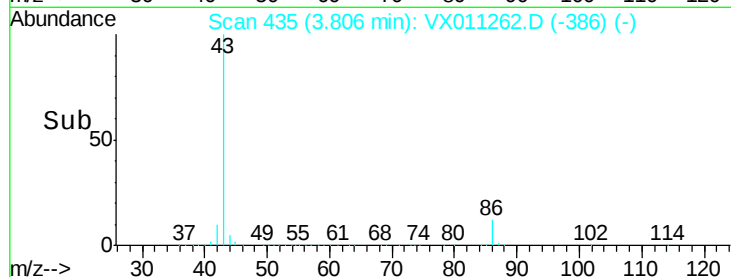
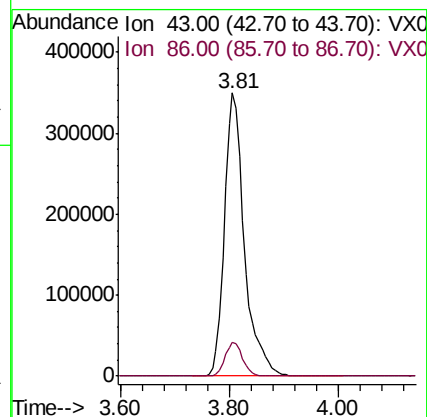
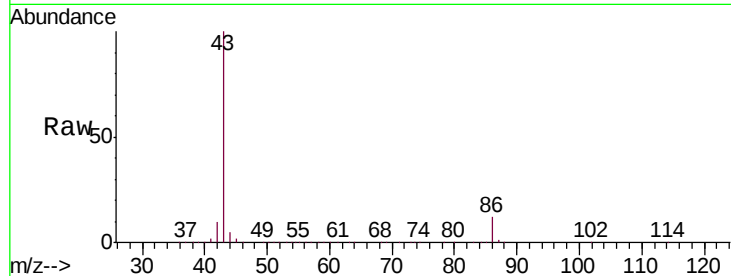
86 12.0 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 49.370 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

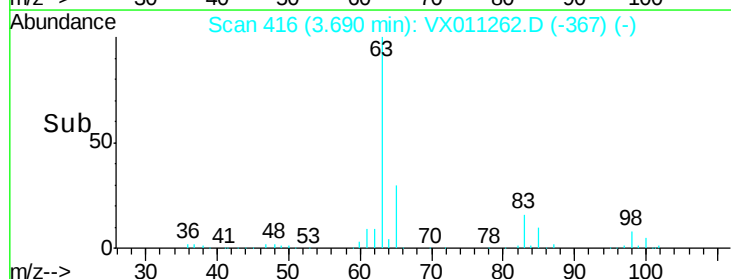
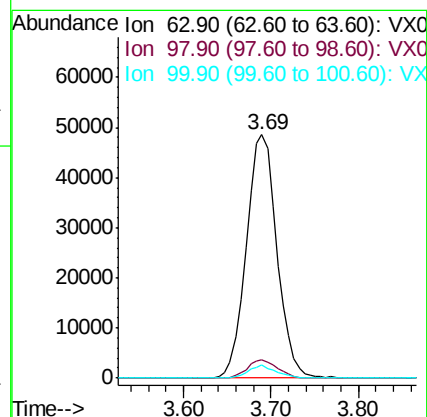
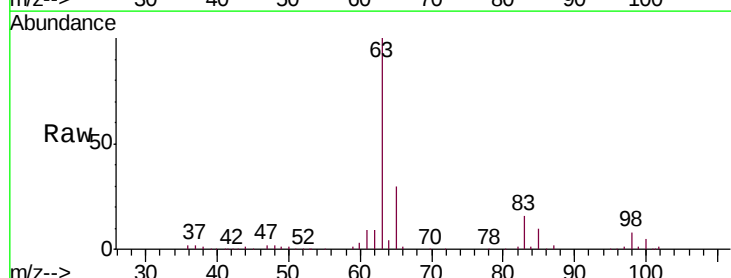
Tgt Ion: 63 Resp: 117502

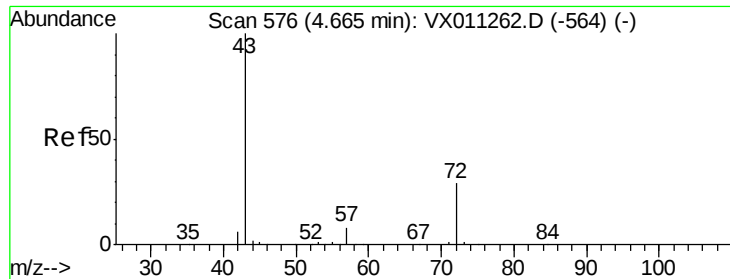
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 5.4 2.7 8.1





#25

2-Butanone

Concen: 254.232 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 262838

Ion Ratio Lower Upper

43 100

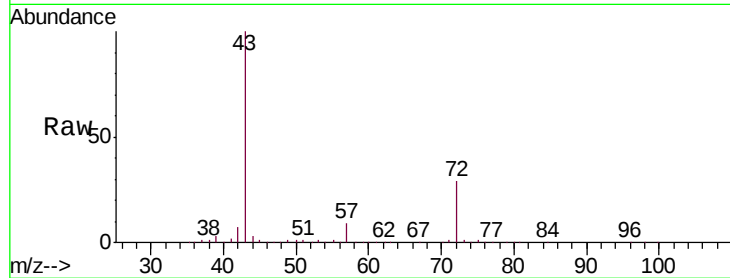
72 29.0 23.2 34.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

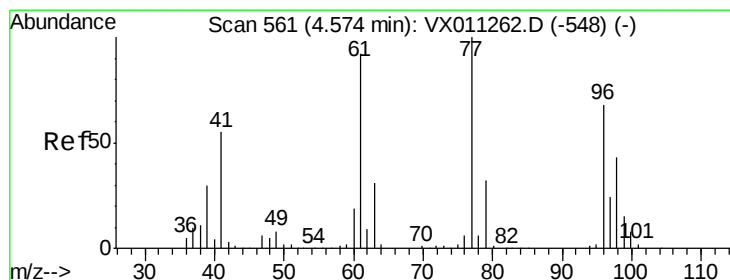
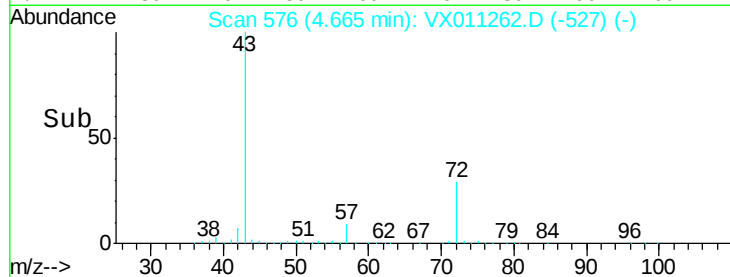
40000

20000

0

4.60 4.67 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.632 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011262.D

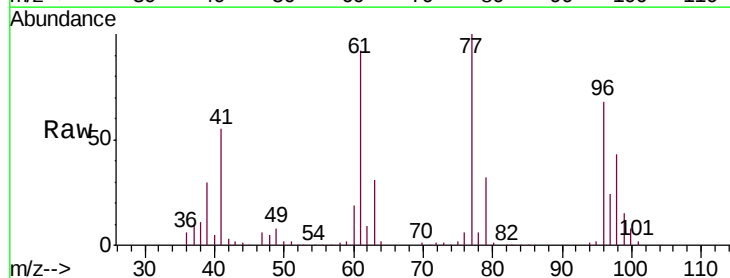
Acq: 01 Aug 2019 16:13

Tgt Ion: 77 Resp: 94348

Ion Ratio Lower Upper

77 100

97 25.6 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

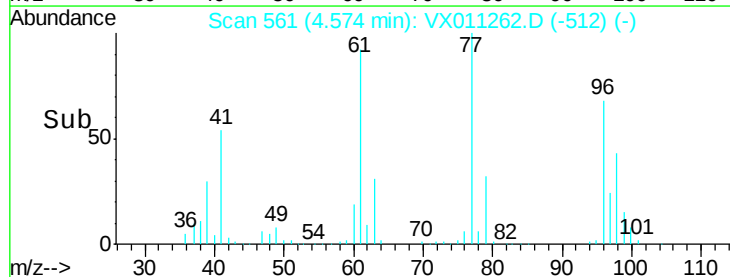
20000

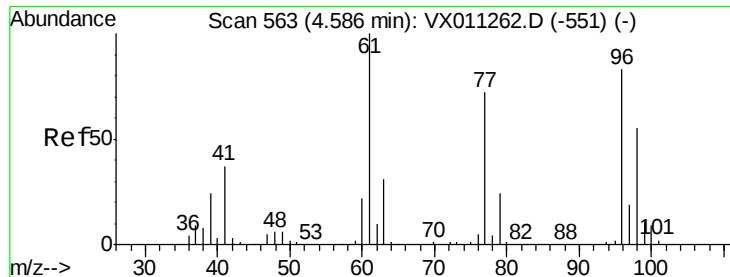
10000

0

4.50 4.57 4.60 4.70

Time-->





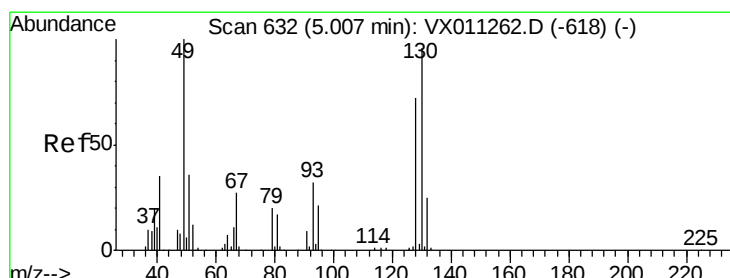
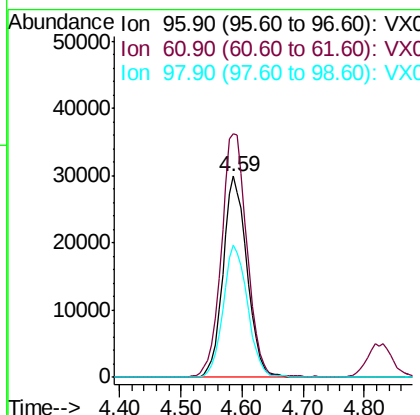
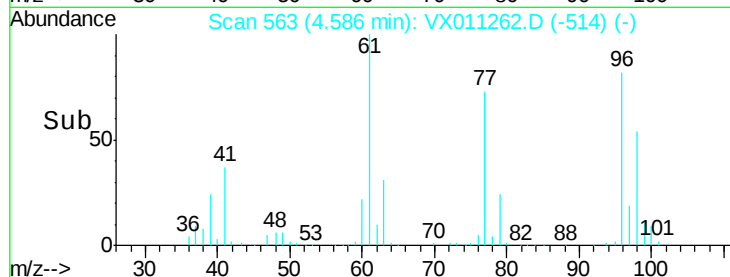
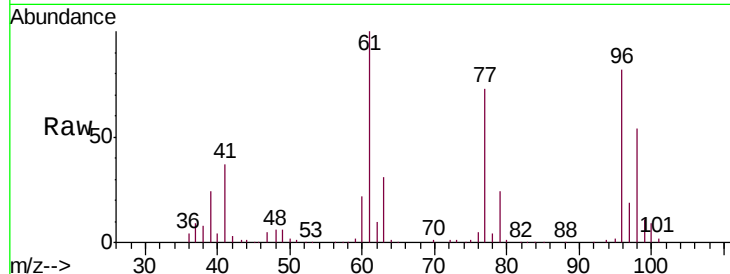
#27
 cis-1,2-Dichloroethene
 Concen: 49.553 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	81505		
61	130.1	0.0	260.2	
98	66.6	0.0	133.2	

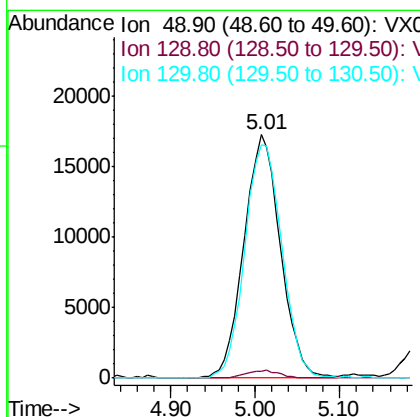
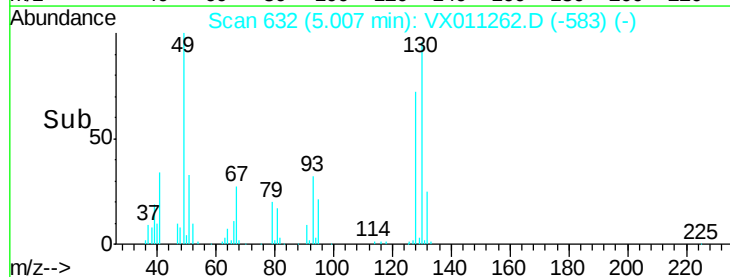
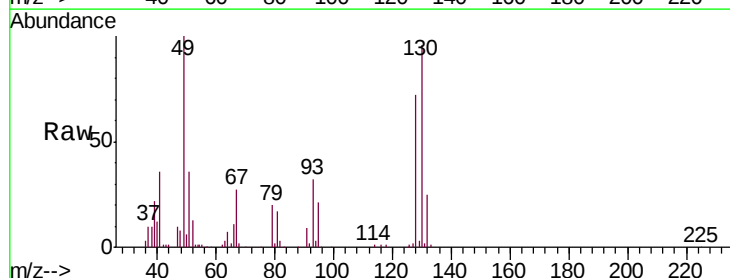
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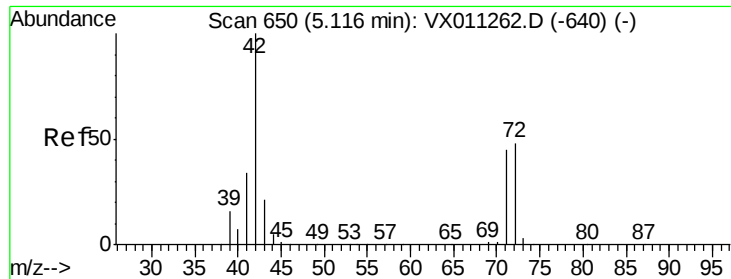
MMDadoda
 8/2/2019 9:07:05 AM



#28
 Bromochloromethane
 Concen: 46.090 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	51125		
129	2.9	0.0	5.8	
130	97.4	77.9	116.9	





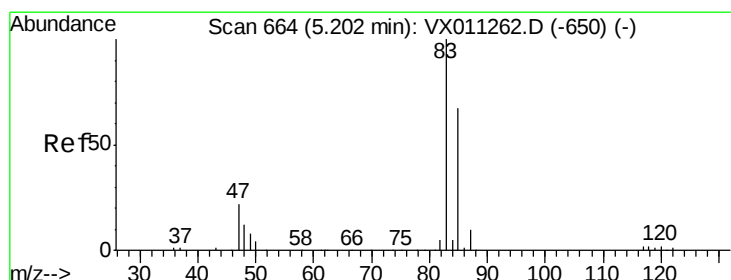
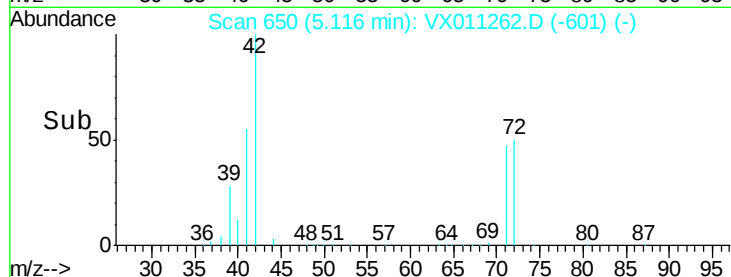
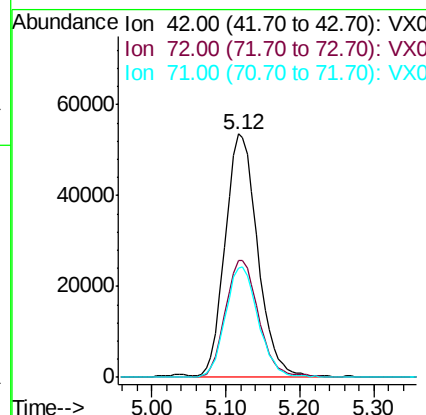
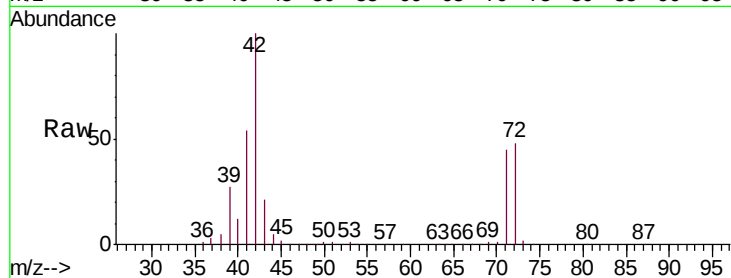
#29
Tetrahydrofuran
Concen: 248.070 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.9	59.9
71	46.1	36.9	55.3

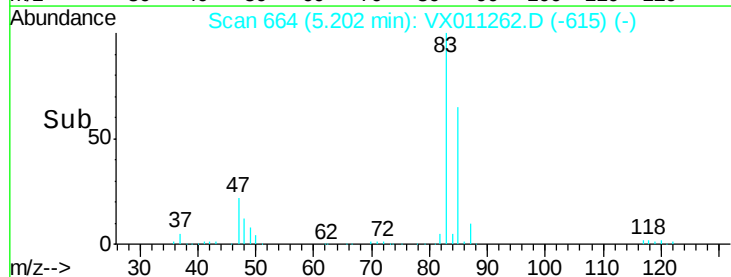
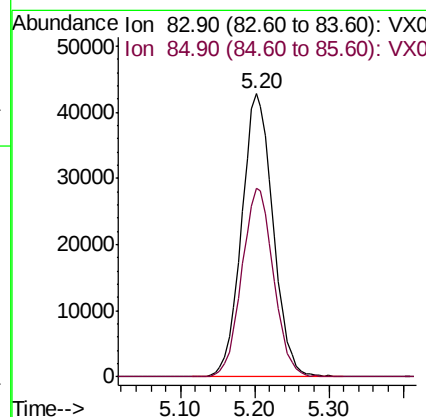
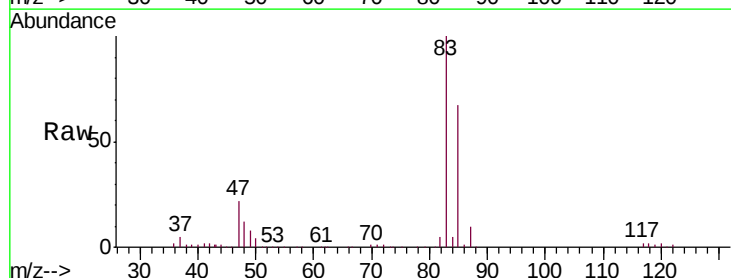
Manual Integrations
APPROVED

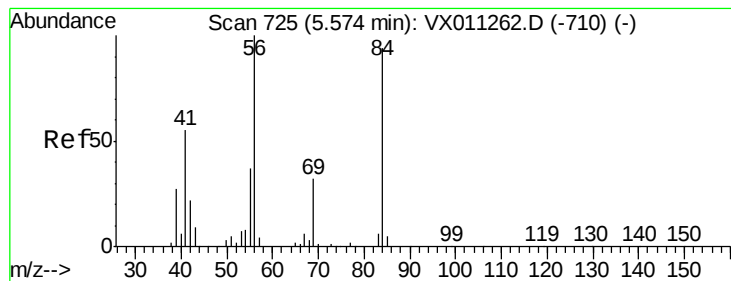
MMDadoda
8/2/2019 9:07:05 AM



#30
Chloroform
Concen: 49.124 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.4	80.0





#31

Cyclohexane

Concen: 46.115 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

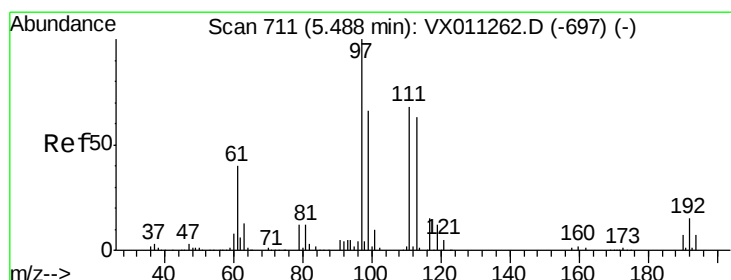
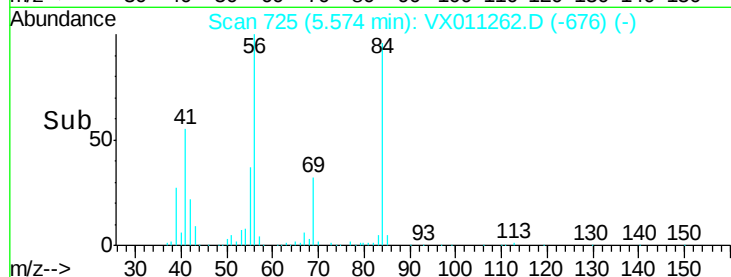
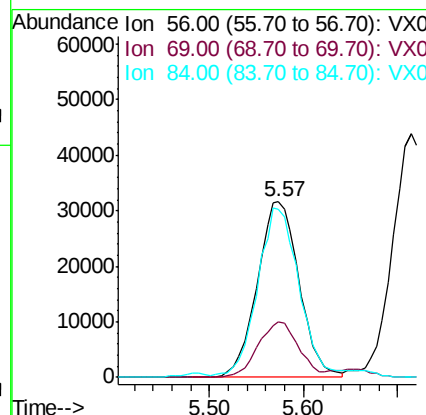
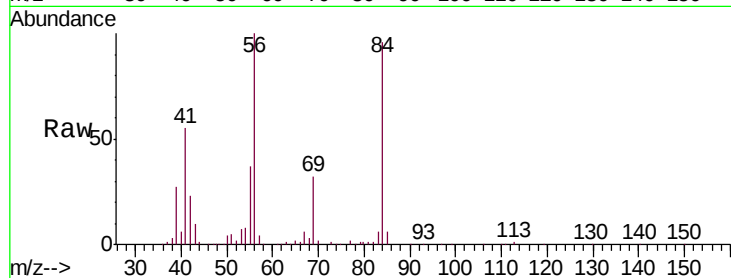
ClientSampleId :

VSTDICCC050

Tgt Ion:	56	Resp:	98399
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.5	38.3
84	93.7	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.230 ug/l

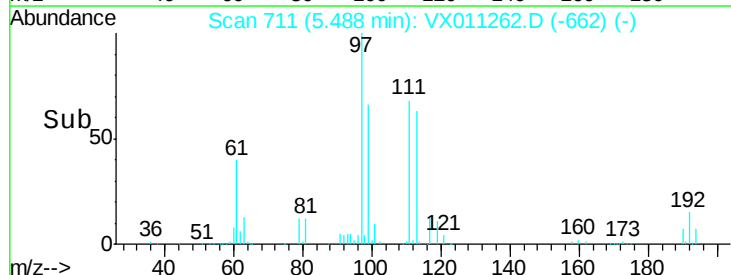
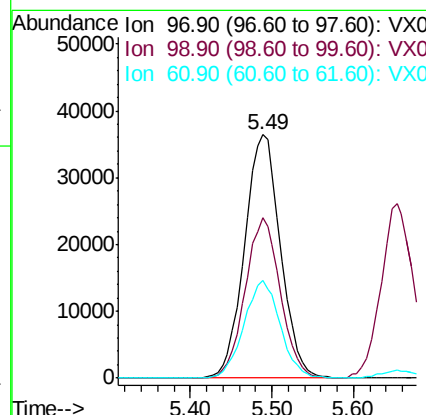
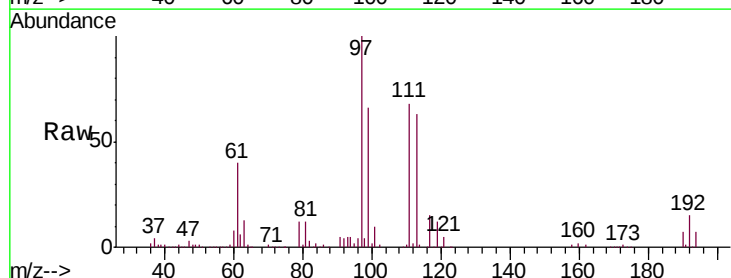
RT: 5.49 min Scan# 711

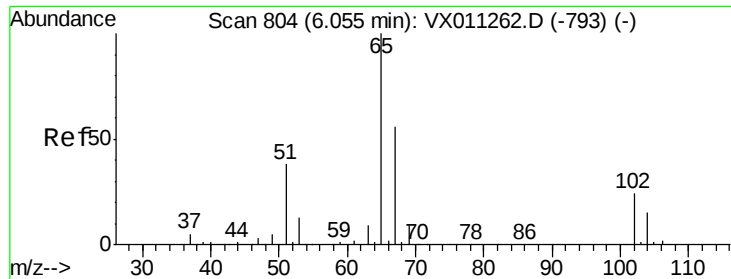
Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Tgt Ion:	97	Resp:	111531
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	40.4	32.3	48.5





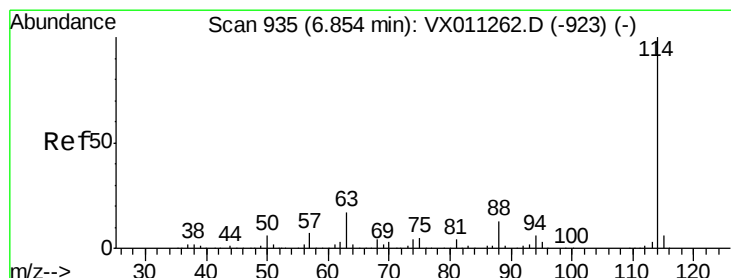
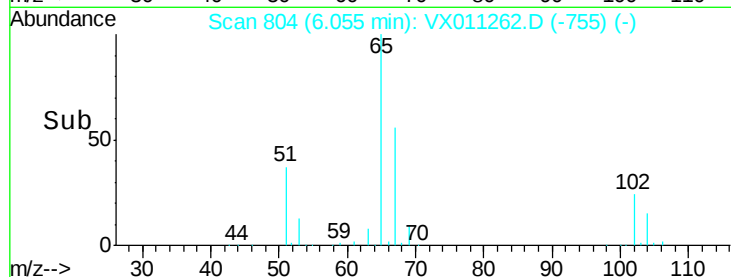
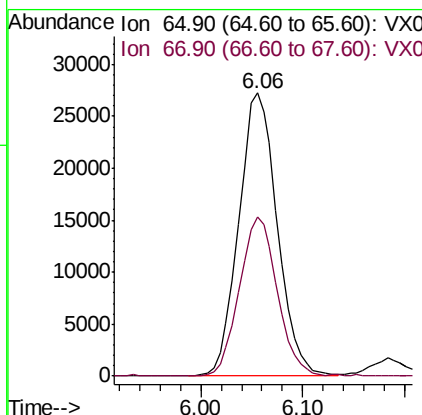
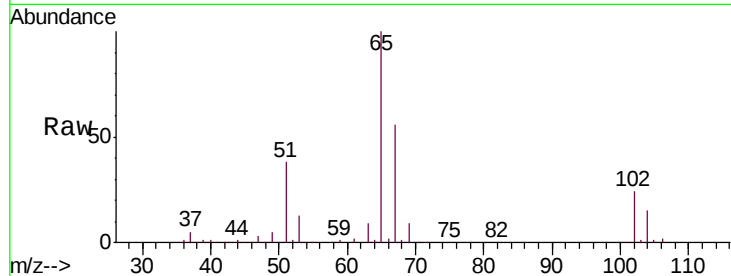
#33
 1,2-Dichloroethane-d4
 Concen: 45.560 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 71487
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6

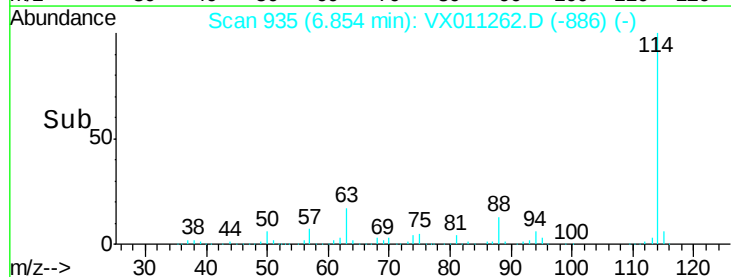
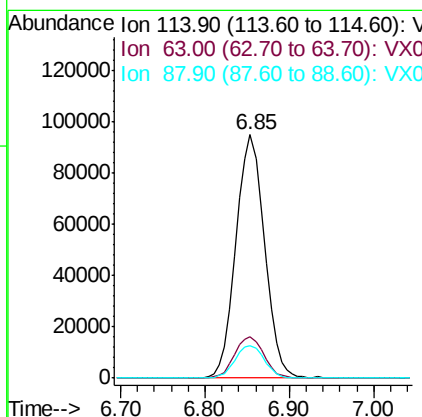
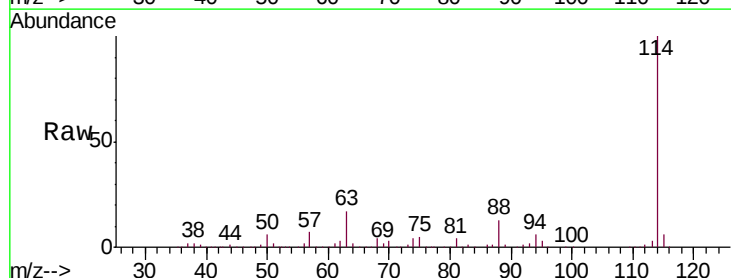
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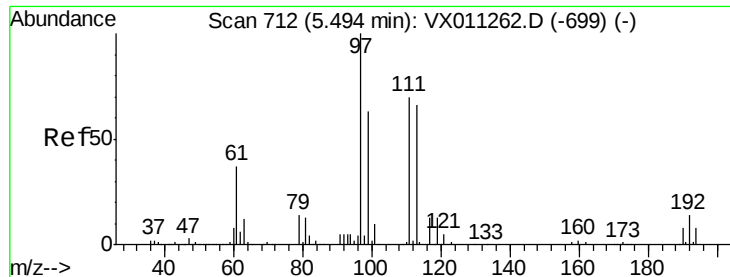
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion: 114 Resp: 218306
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 34.0
 88 13.2 0.0 26.4





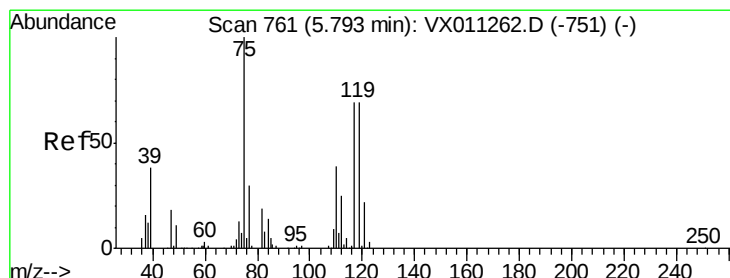
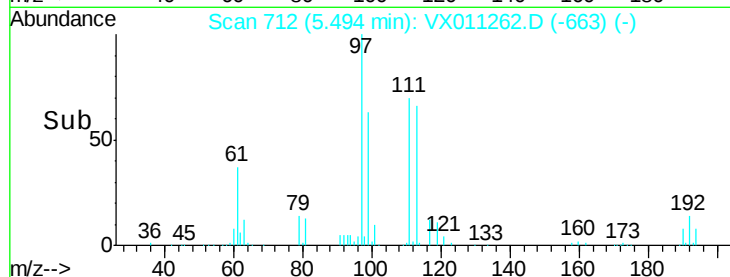
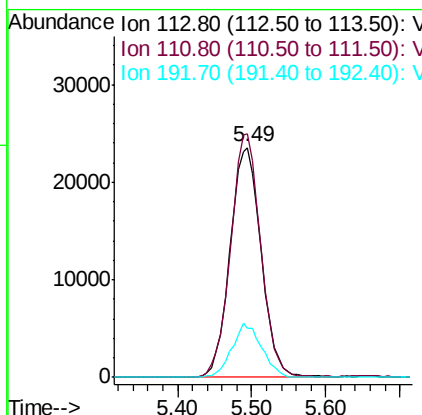
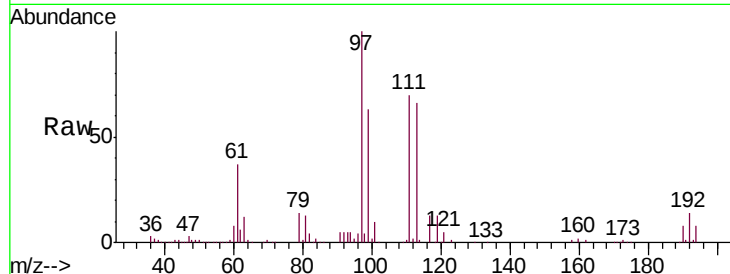
#35
 Dibromofluoromethane
 Concen: 49.721 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	68937		
111	102.4	81.9	122.9	
192	22.3	17.8	26.8	

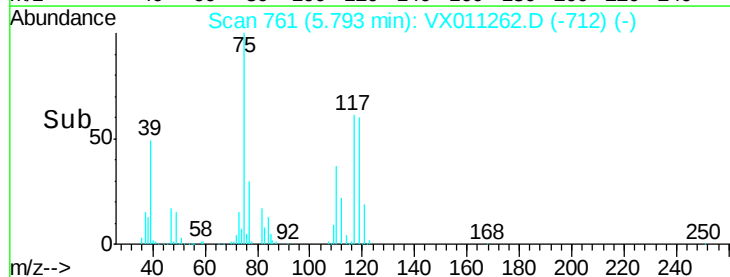
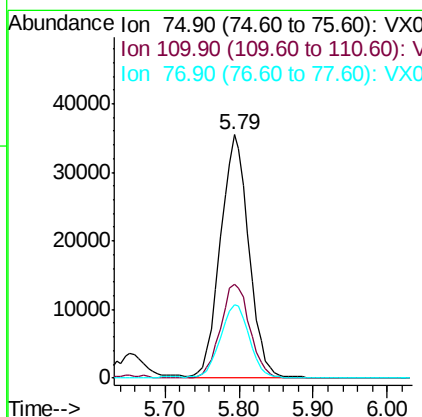
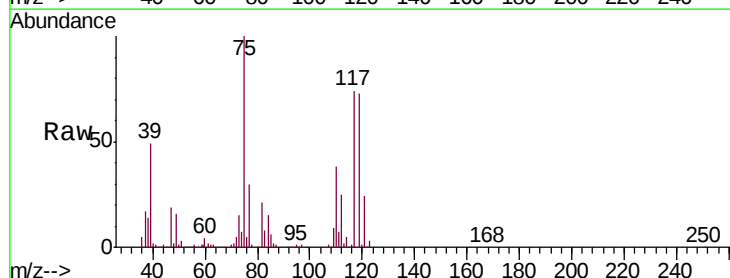
Manual Integrations
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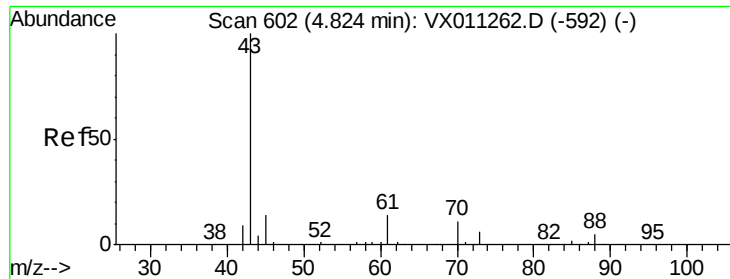
MMDadoda
 8/2/2019 9:07:05 AM



#36
 1,1-Dichloropropene
 Concen: 52.111 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94483		
110	39.9	20.0	59.9	
77	31.0	24.8	37.2	





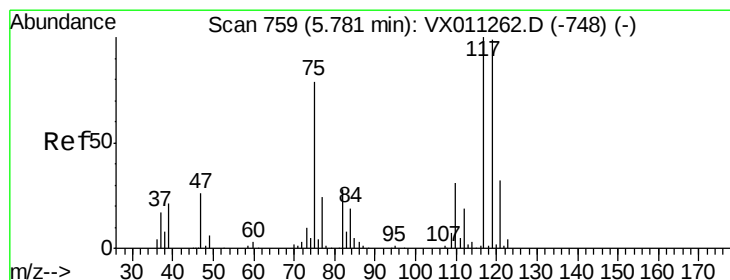
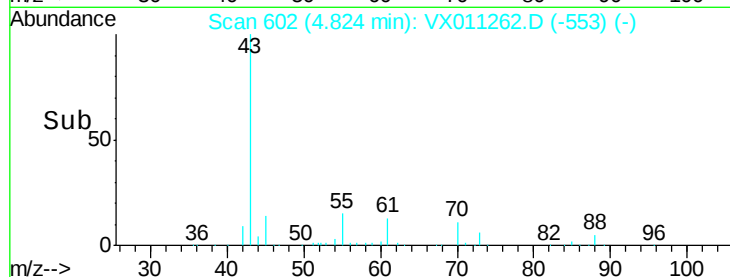
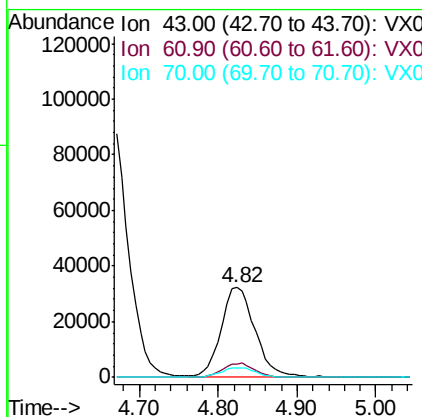
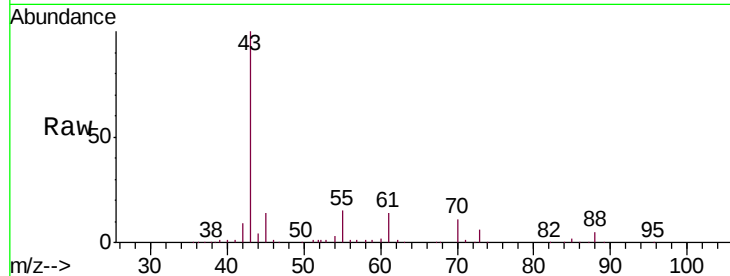
#37
Ethyl Acetate
Concen: 51.758 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.6	18.8
70	11.4	9.1	13.7

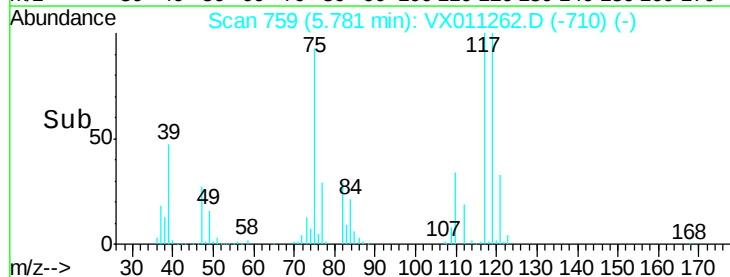
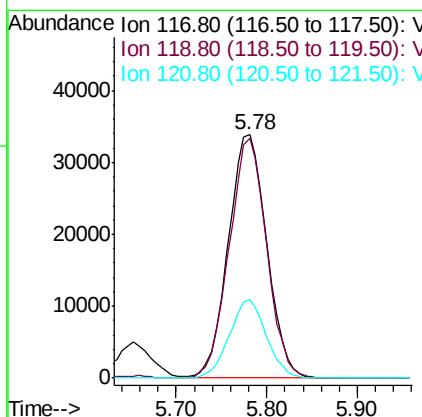
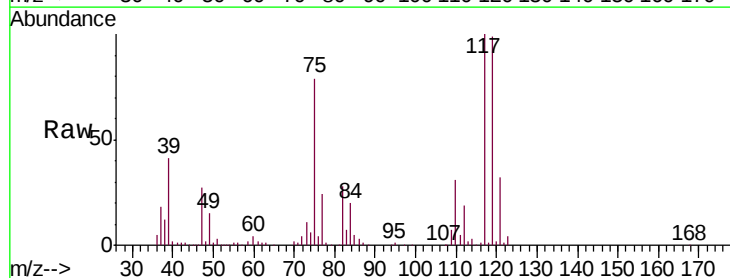
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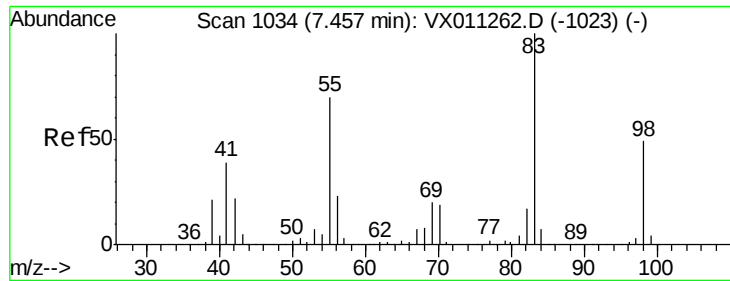
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.554 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	79.0	118.4
121	32.4	25.9	38.9





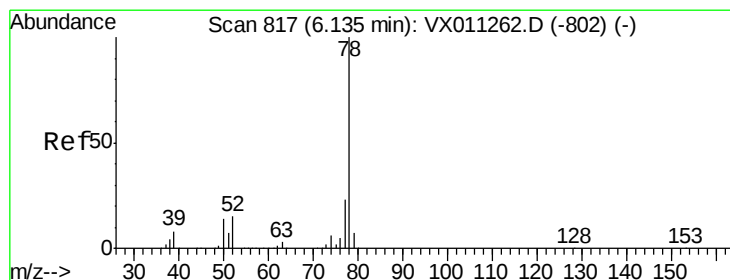
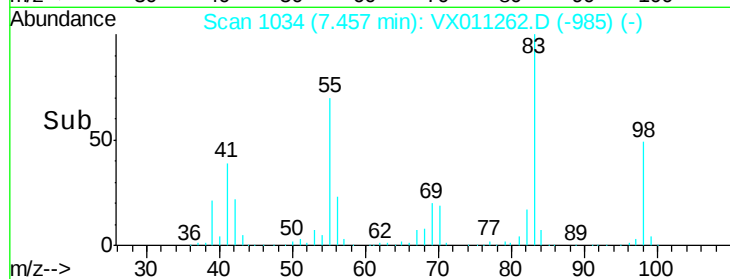
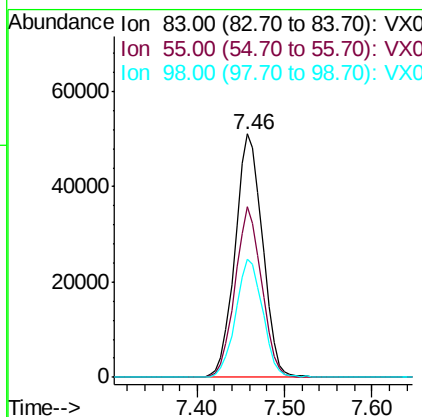
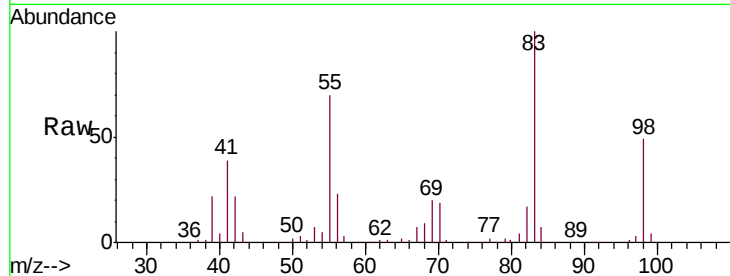
#39
Methylcyclohexane
Concen: 48.180 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.1	56.1	84.1
98	48.7	39.0	58.4

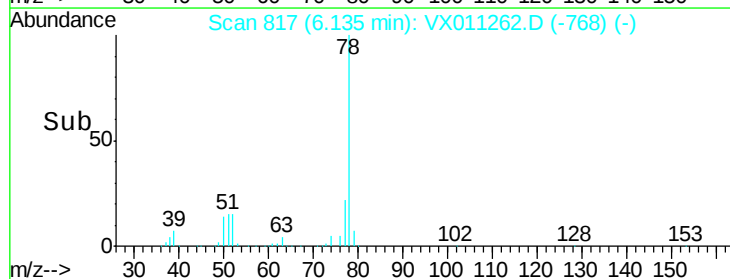
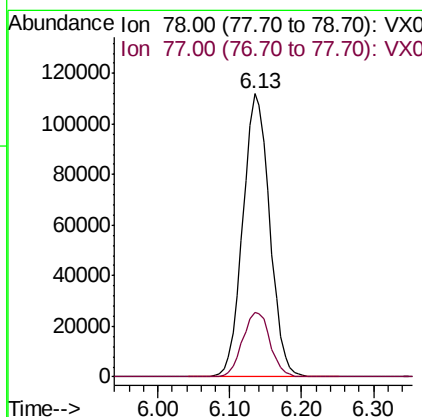
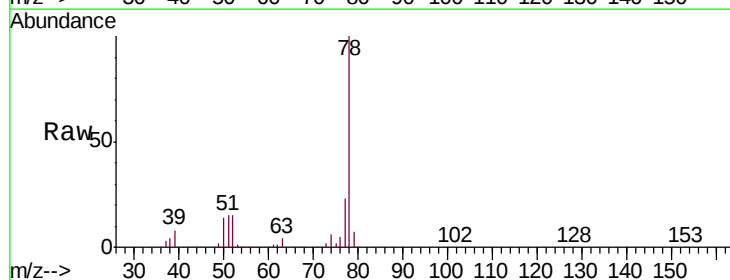
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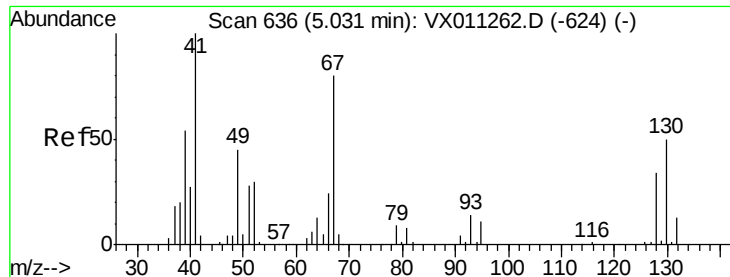
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#40
Benzene
Concen: 52.138 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2





#41

Methacrylonitrile

Concen: 50.160 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 52970
Ion Ratio Lower Upper

41 100

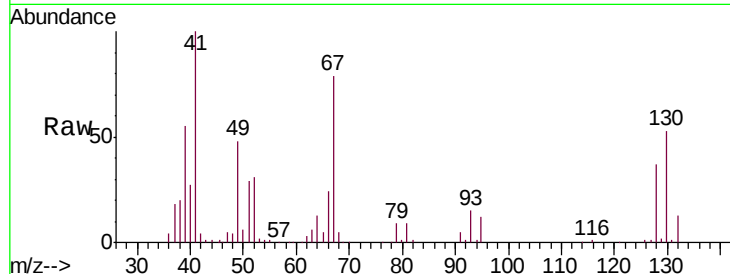
39 53.8 43.0 64.6

67 81.4 65.1 97.7

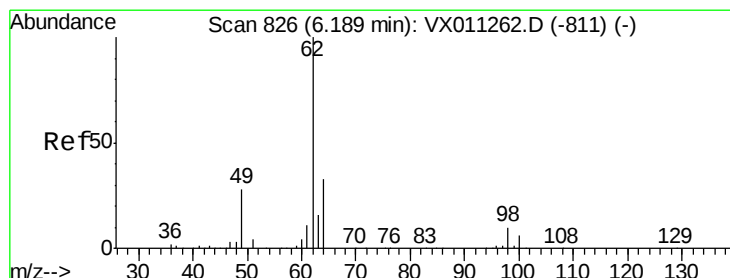
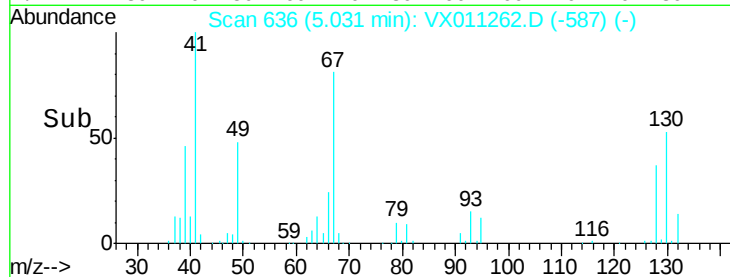
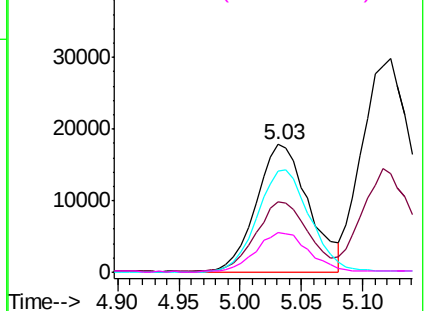
52 31.0 24.8 37.2

Manual Integrations
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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: 49.361 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

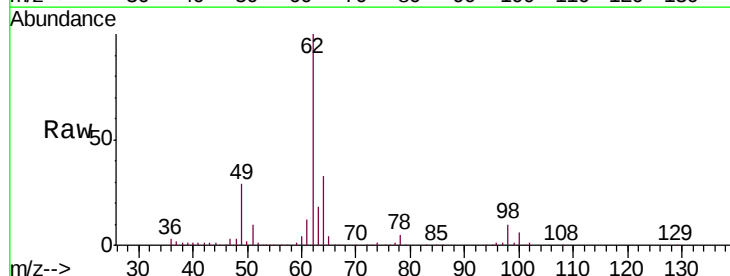
Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

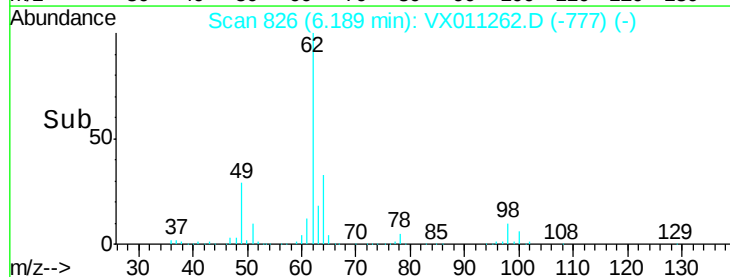
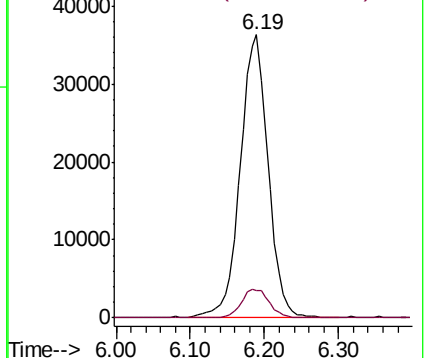
Tgt Ion: 62 Resp: 94847
Ion Ratio Lower Upper

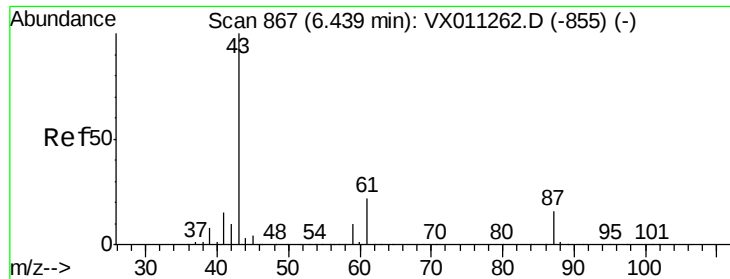
62 100

98 10.3 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 50.637 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

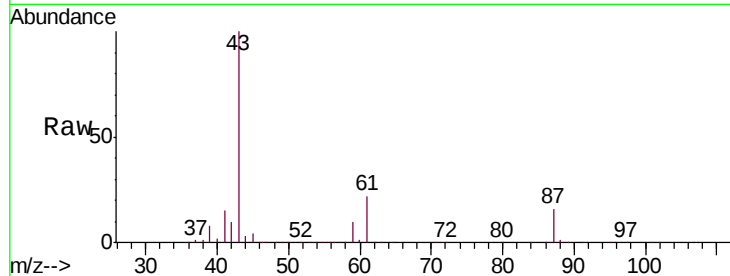
ClientSampleId :

VSTDICCC050

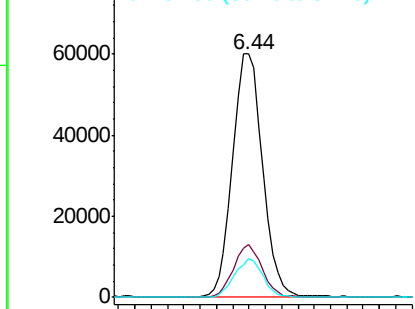
Tgt Ion:	43	Resp:	153519
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.5	24.7
87	15.1	12.1	18.1

Manual Integrations
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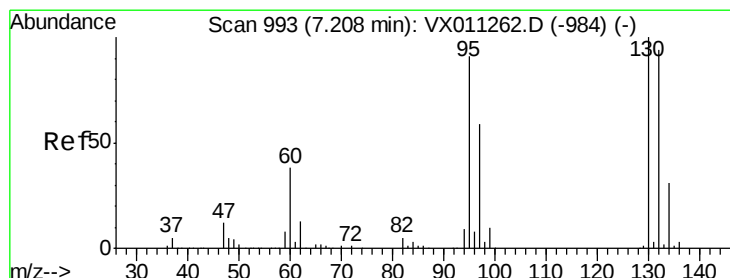
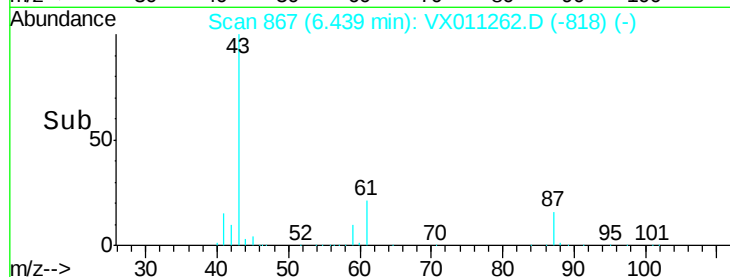
MMDadoda
8/2/2019 9:07:05 AM



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



Time-->



#44

Trichloroethene

Concen: 51.998 ug/l

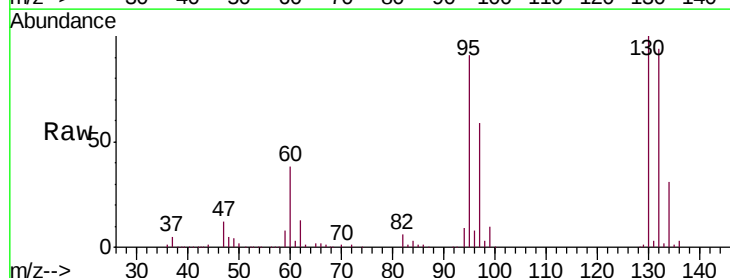
RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

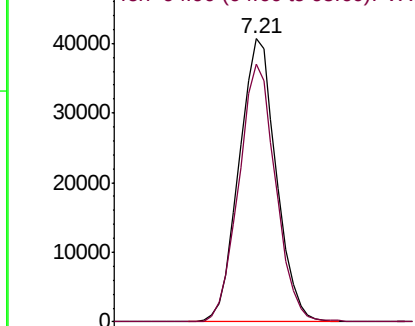
Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

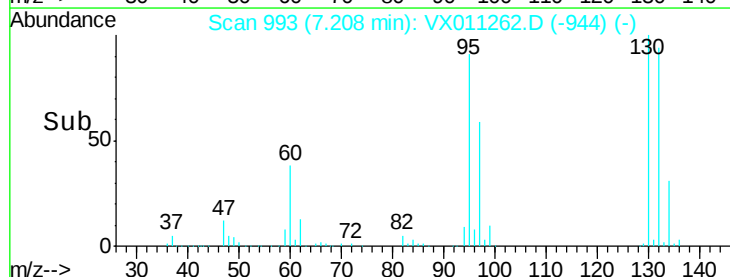
Tgt Ion:	130	Resp:	85595
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	182.6

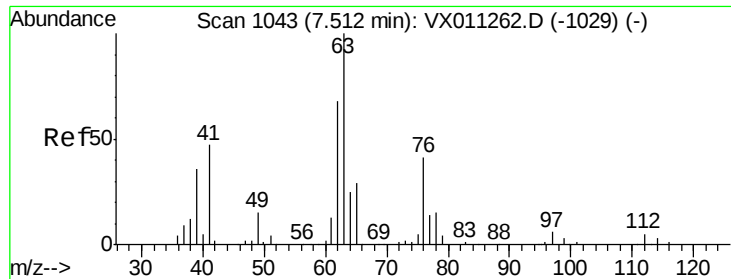


Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0



Time-->





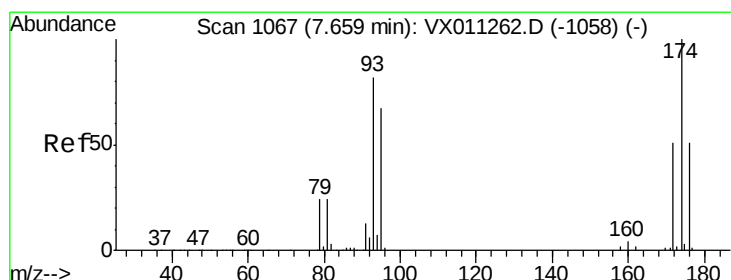
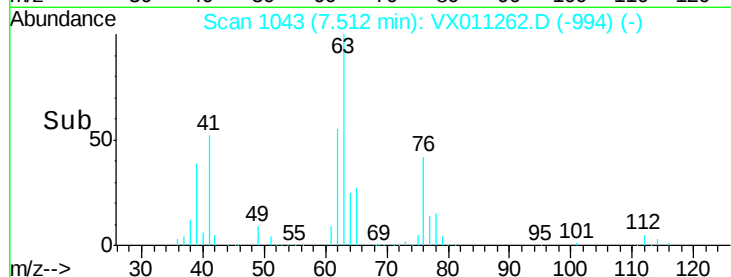
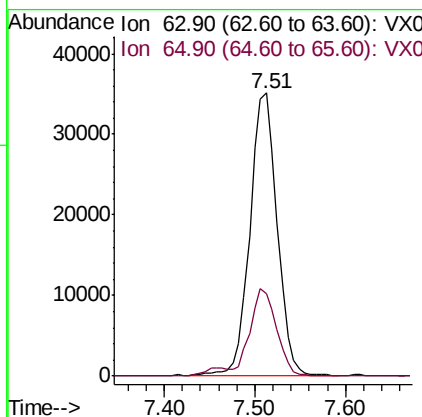
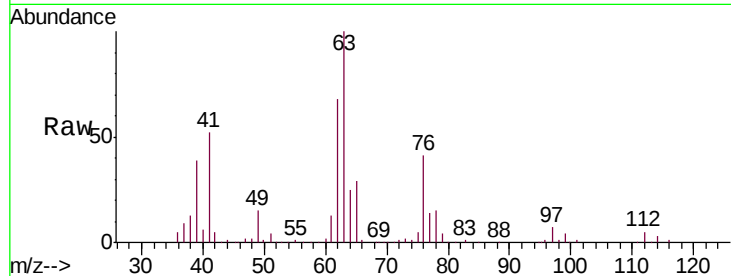
#45
 1,2-Dichloropropane
 Concen: 51.466 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 72729
 Ion Ratio Lower Upper
 63 100
 65 29.1 23.3 34.9

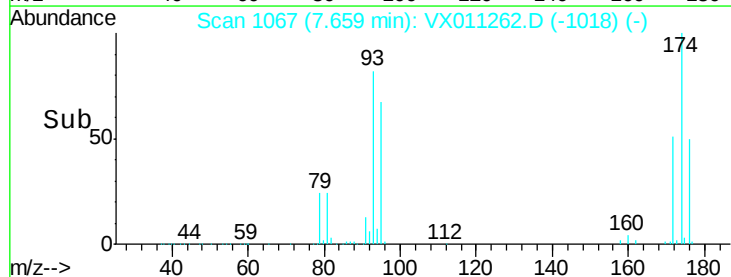
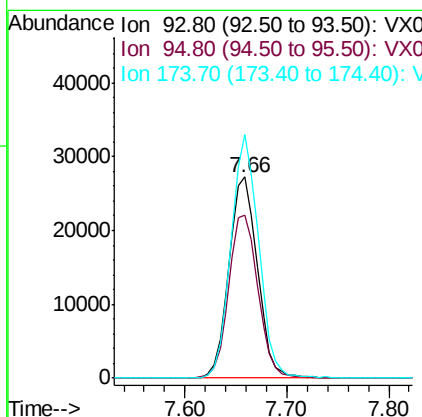
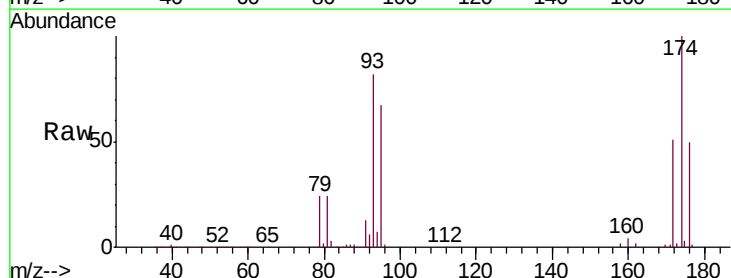
Manual Integrations
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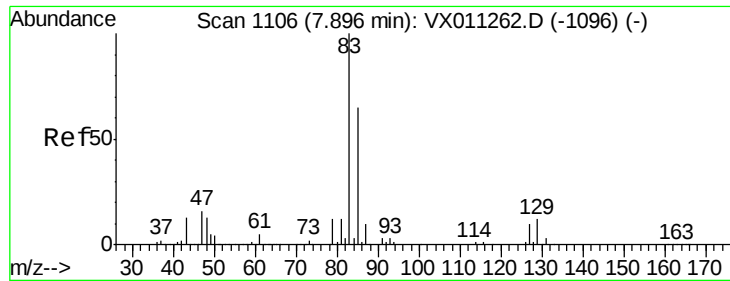
MMDadoda
 8/2/2019 9:07:05 AM



#46
 Dibromomethane
 Concen: 52.118 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion: 93 Resp: 52592
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.4 99.6
 174 116.8 93.4 140.2





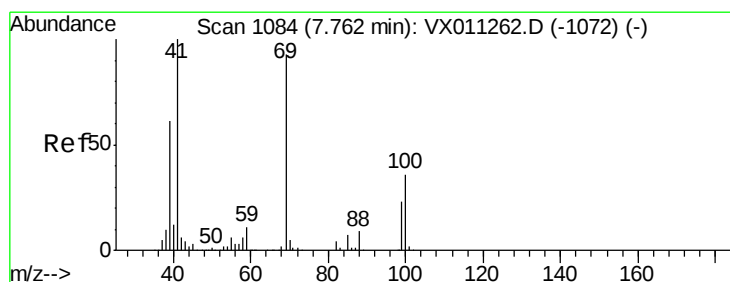
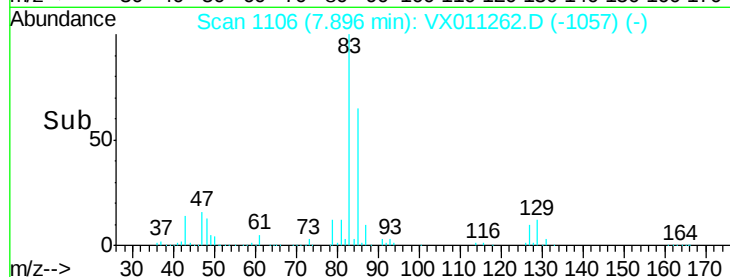
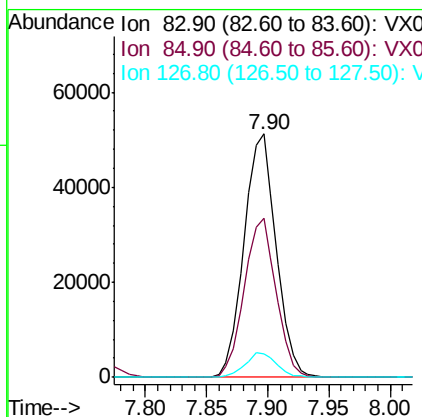
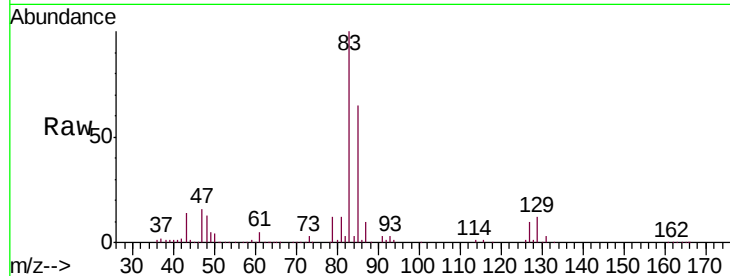
#47
Bromodichloromethane
Concen: 52.274 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2
127	9.8	7.8	11.8

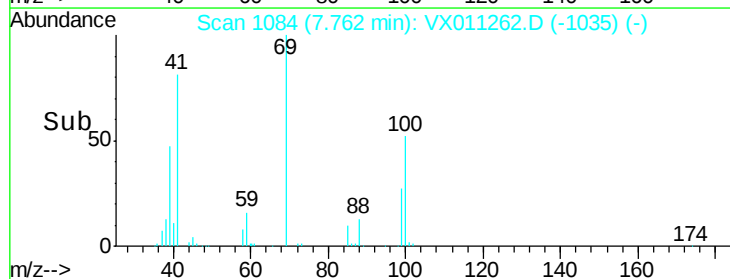
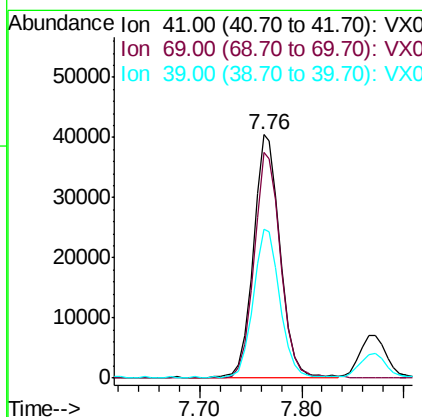
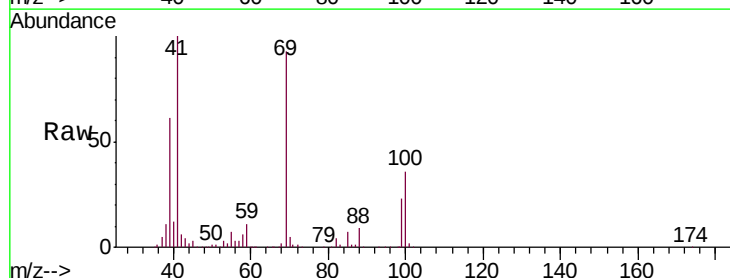
Manual Integrations
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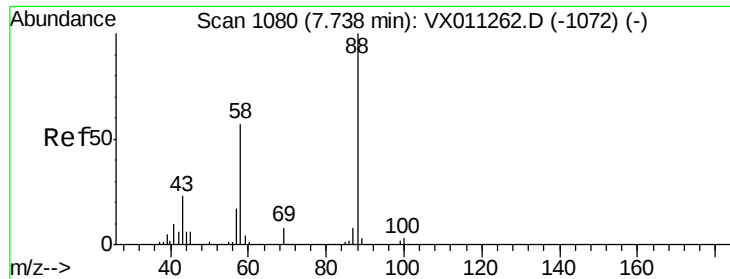
MMDadoda
8/2/2019 9:07:05 AM



#48
Methyl methacrylate
Concen: 49.815 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.1	74.5	111.7
39	60.7	48.6	72.8





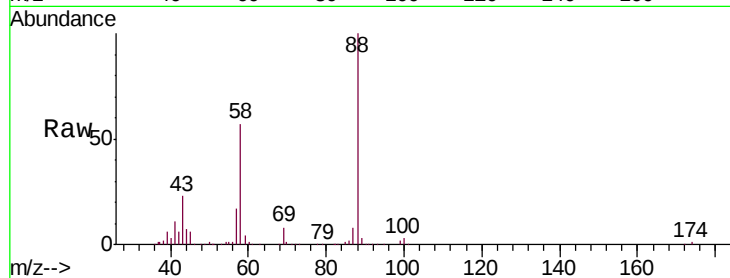
#49
1,4-Dioxane
Concen: 1019.909 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.7	22.2	33.2
58	59.8	47.8	71.8

Manual Integrations
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8/2/2019 9:07:05 AM

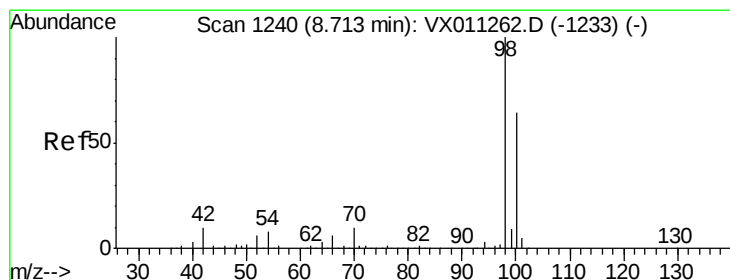
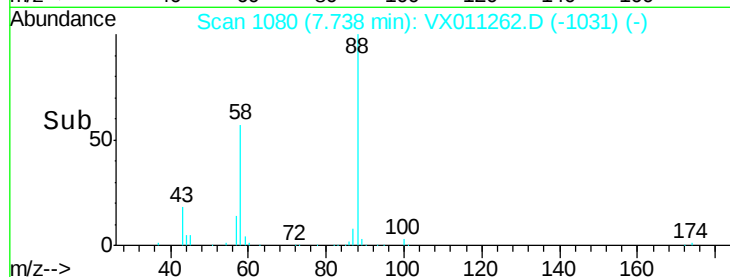
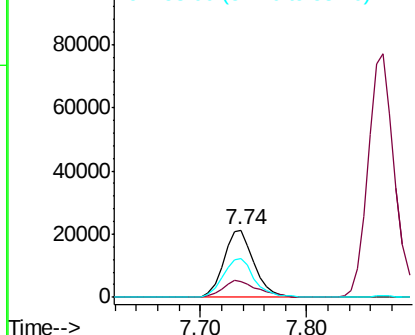


Abundance

Ion 88.00 (87.70 to 88.70): VX0

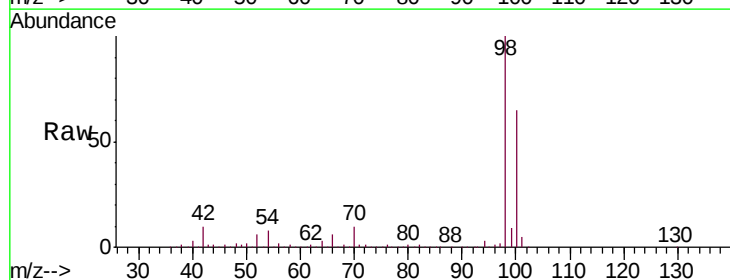
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.947 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

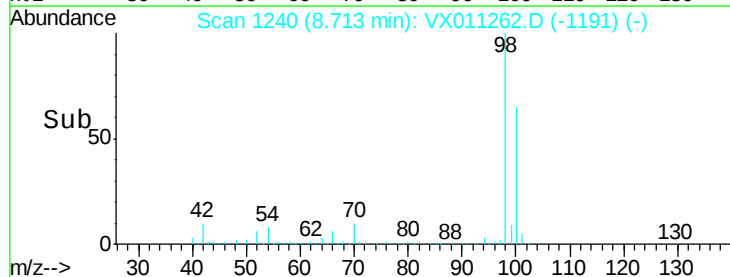
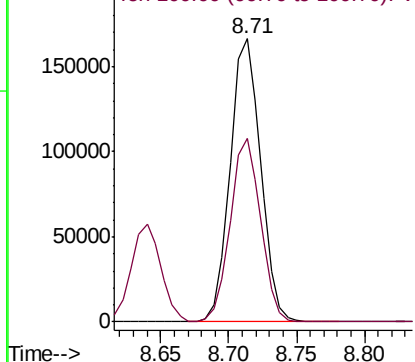
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 261.753 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

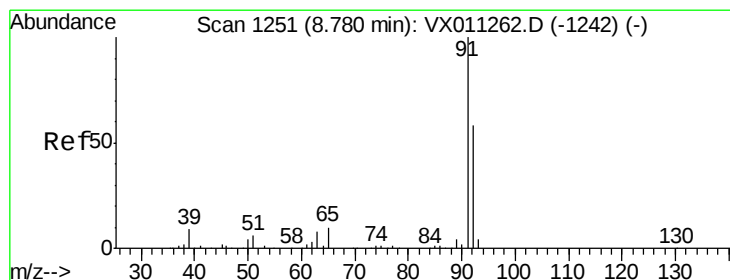
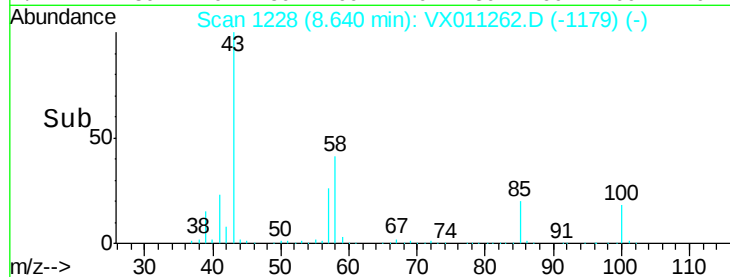
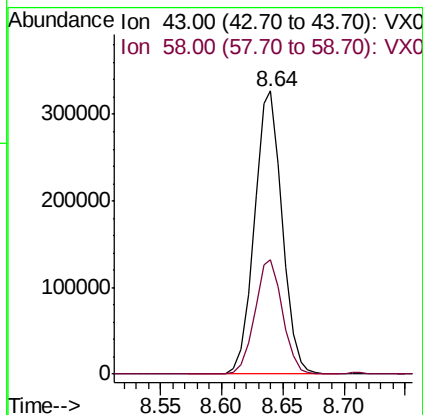
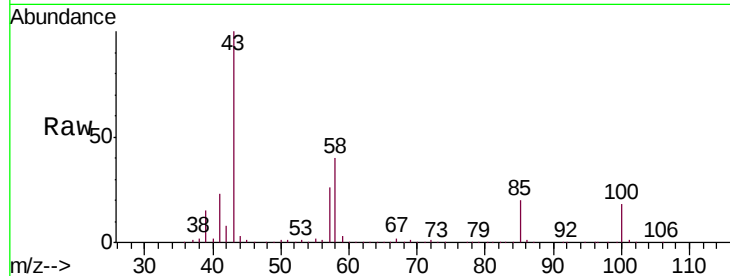
Tgt Ion: 43 Resp: 516151
Ion Ratio Lower Upper

43 100

58 40.4 32.3 48.5

Manual Integrations
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8/2/2019 9:07:05 AM



#52

Toluene

Concen: 52.348 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

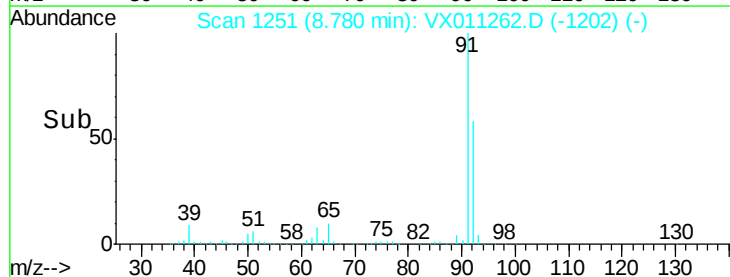
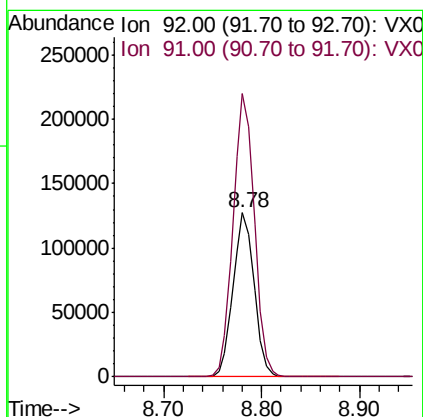
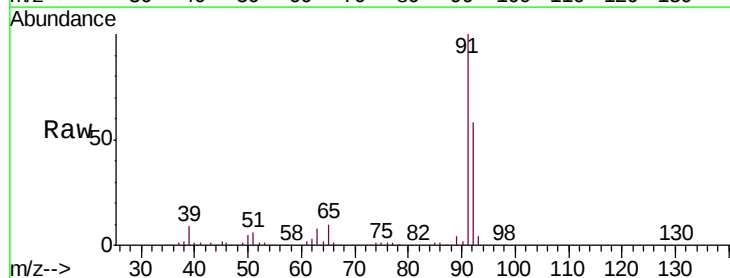
Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Tgt Ion: 92 Resp: 191123
Ion Ratio Lower Upper

92 100

91 174.2 139.4 209.0





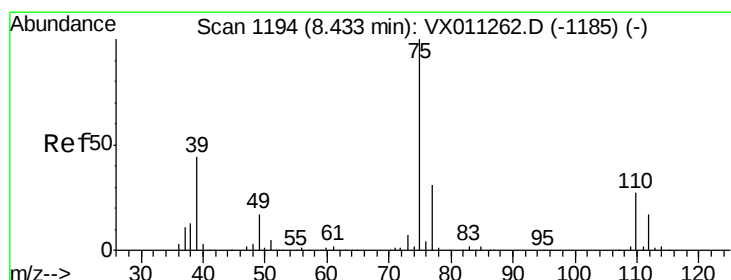
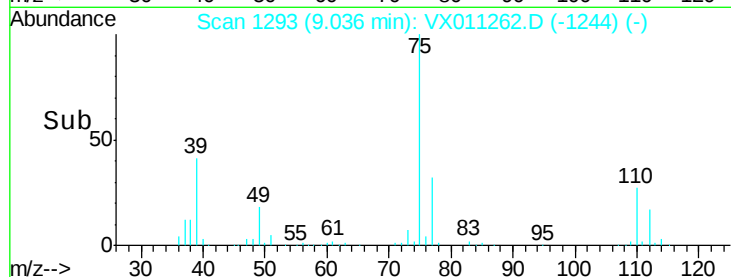
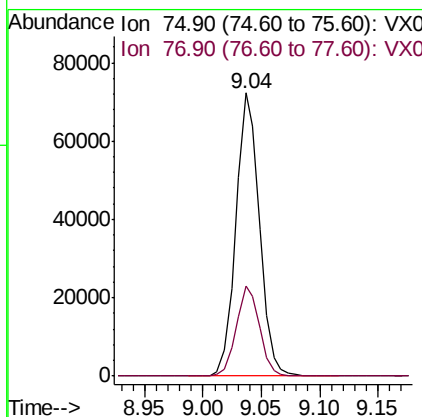
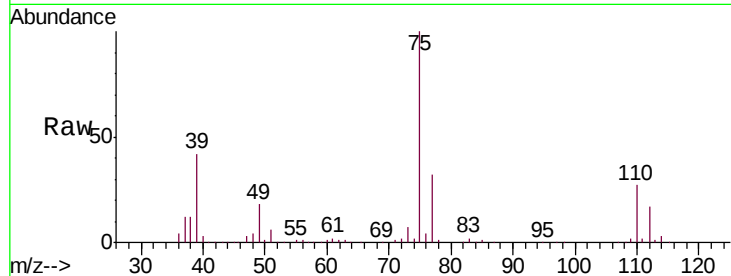
#53
t-1,3-Dichloropropene
Concen: 53.046 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 101831
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

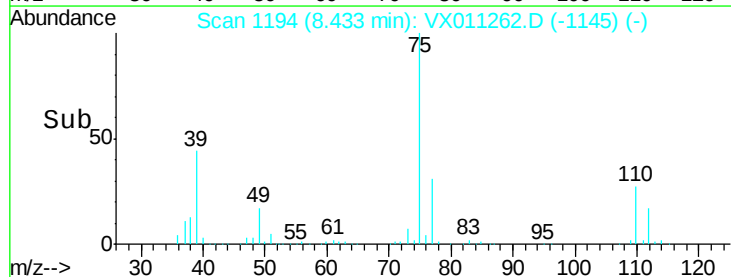
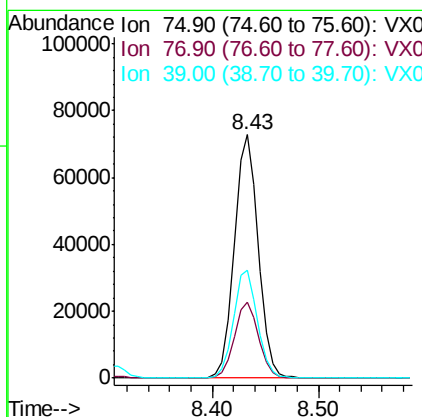
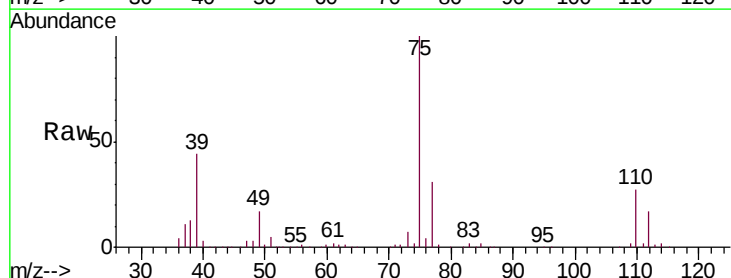
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#54
cis-1,3-Dichloropropene
Concen: 53.557 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion: 75 Resp: 114644
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 44.1 35.3 52.9





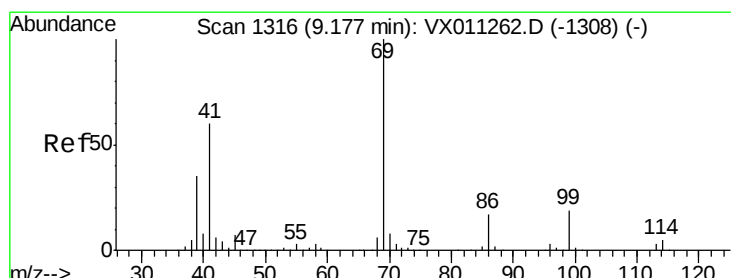
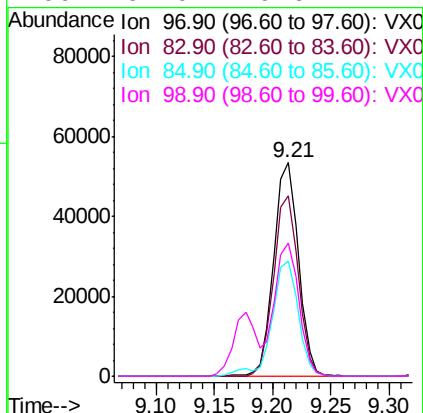
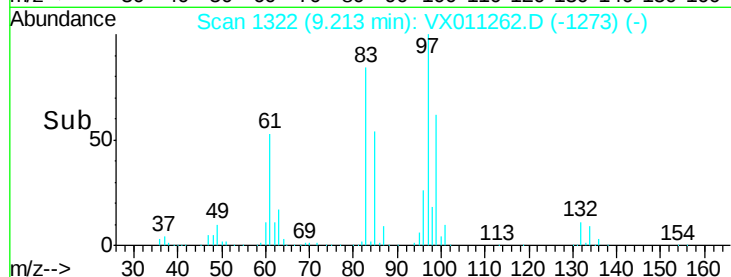
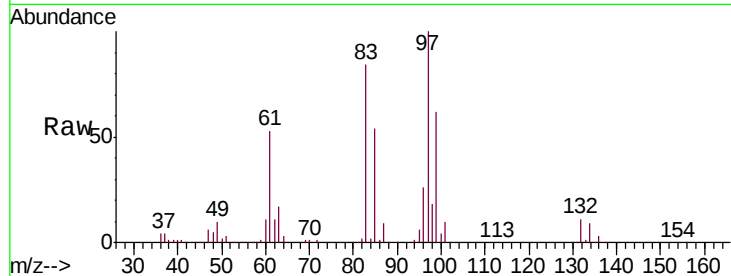
#55
 1,1,2-Trichloroethane
 Concen: 52.120 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.5	67.6	101.4	
85	54.2	43.4	65.0	
99	62.0	49.6	74.4	

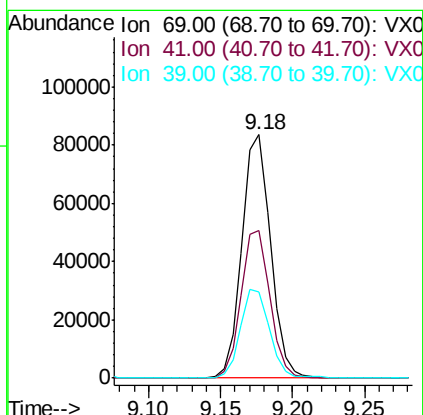
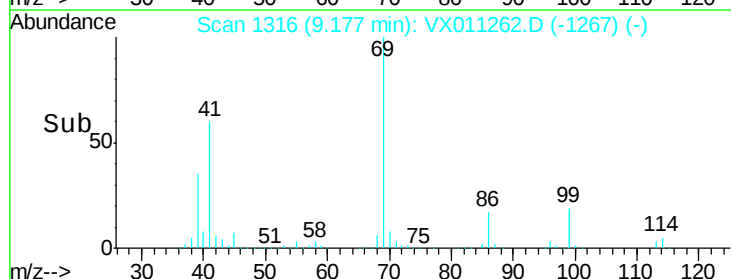
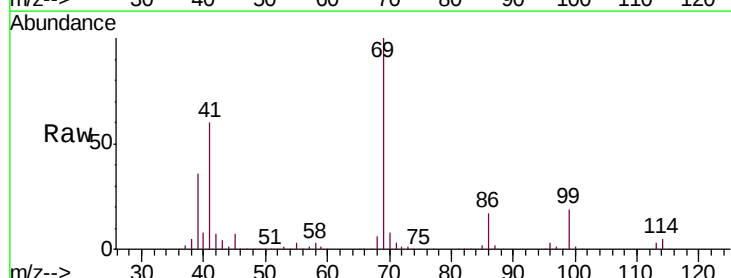
Manual Integrations
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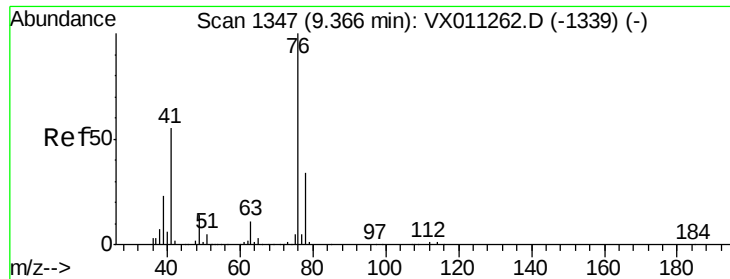
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#56
 Ethyl methacrylate
 Concen: 52.961 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	60.8	48.6	73.0	
39	36.8	29.4	44.2	





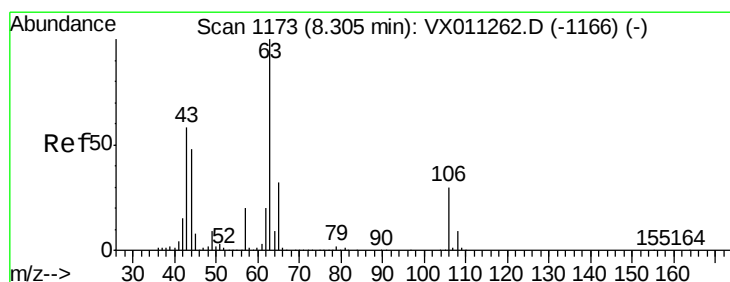
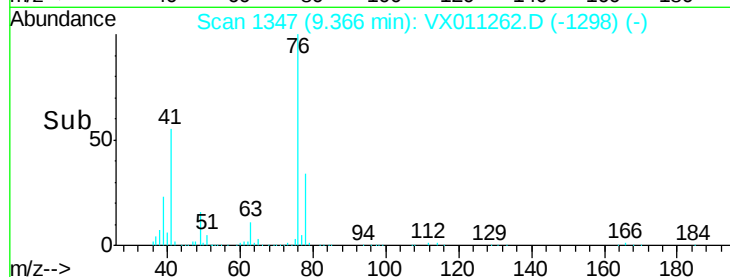
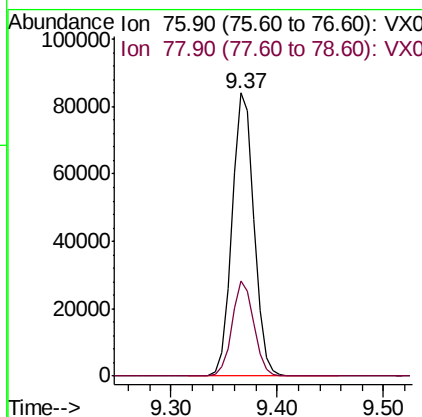
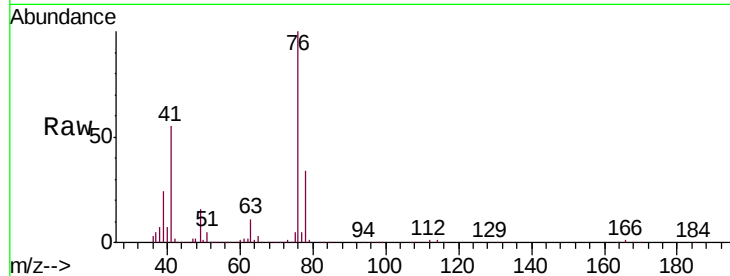
#57
 1,3-Dichloropropane
 Concen: 51.205 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 121699
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.6 40.0

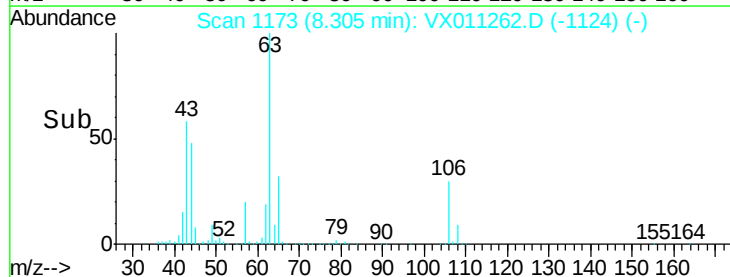
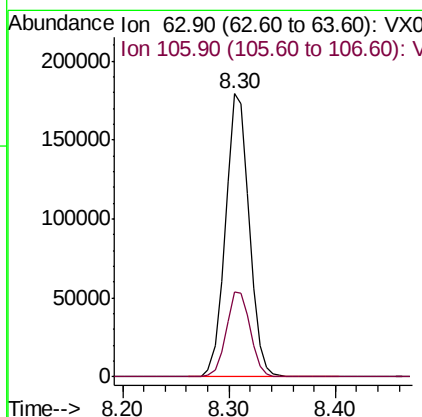
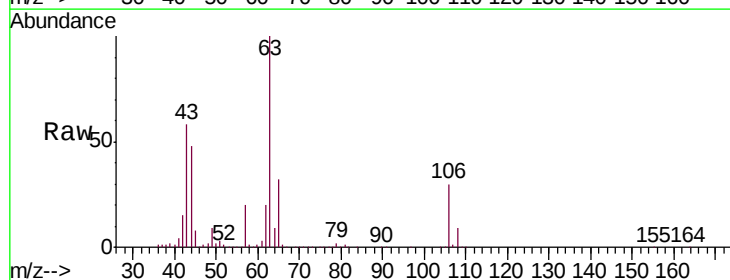
Manual Integrations
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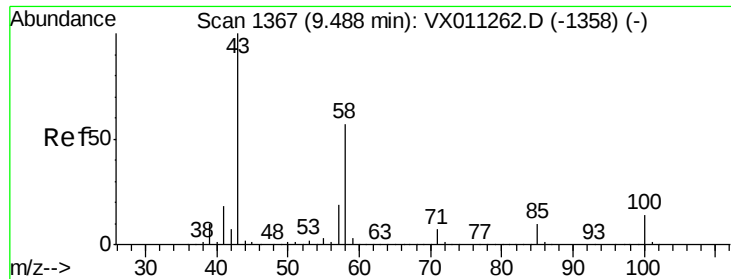
MMDadoda
 8/2/2019 9:07:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.669 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion: 63 Resp: 278953
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.4 36.6





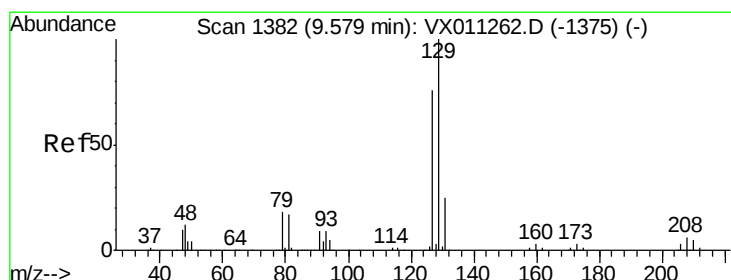
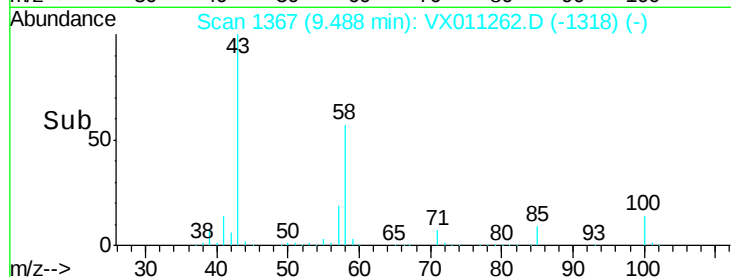
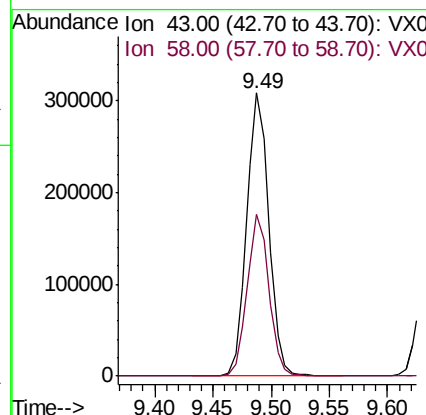
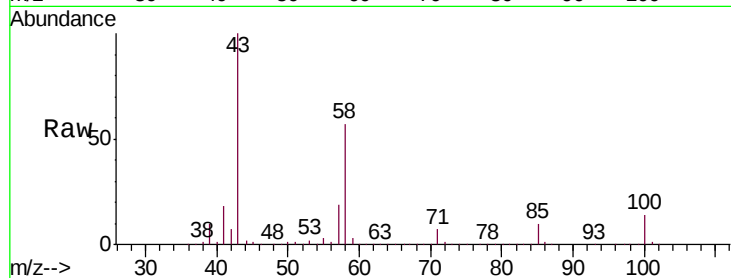
#59
2-Hexanone
Concen: 268.763 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 411052
Ion Ratio Lower Upper
43 100
58 56.4 28.2 84.6

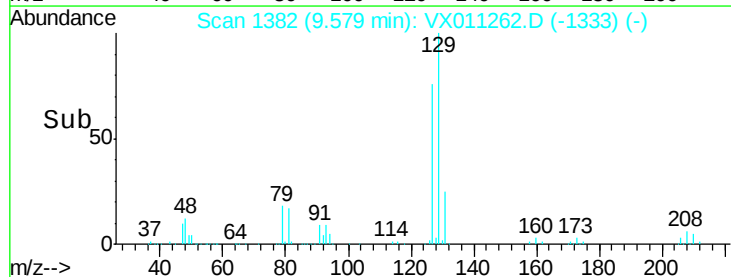
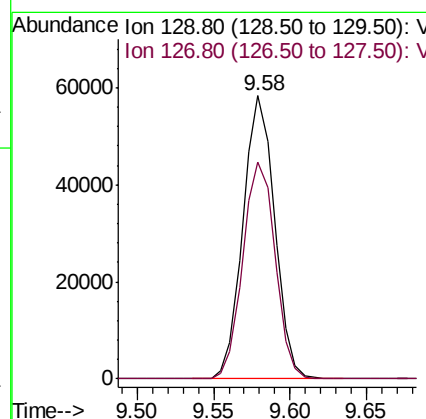
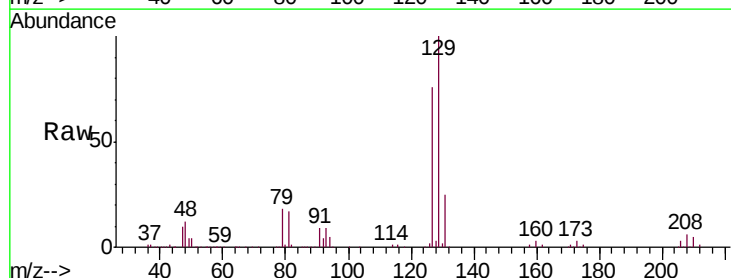
Manual Integrations
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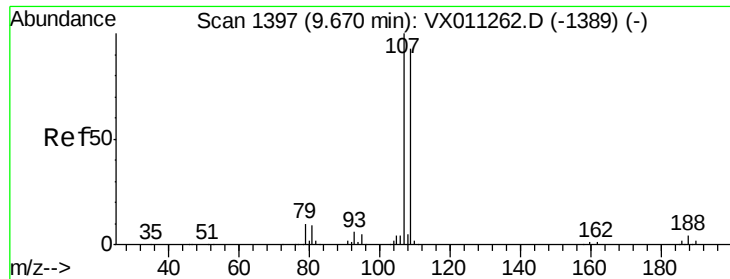
MMDadoda
8/2/2019 9:07:05 AM



#60
Dibromochloromethane
Concen: 55.199 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion: 129 Resp: 83773
Ion Ratio Lower Upper
129 100
127 78.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 53.498 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 107 Resp: 85416

Ion Ratio Lower Upper

107 100

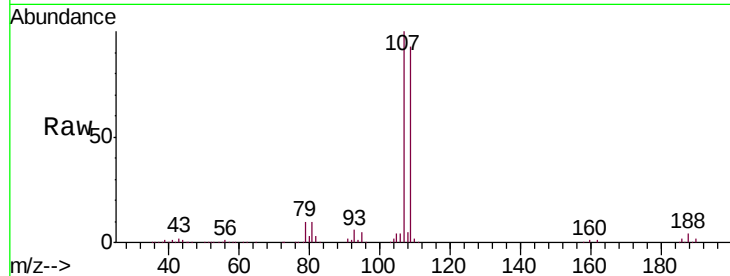
109 95.7 76.6 114.8

Manual Integrations

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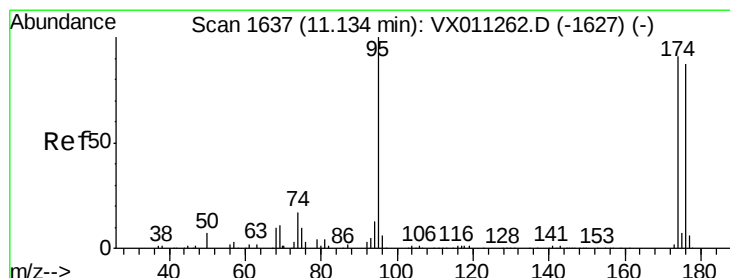
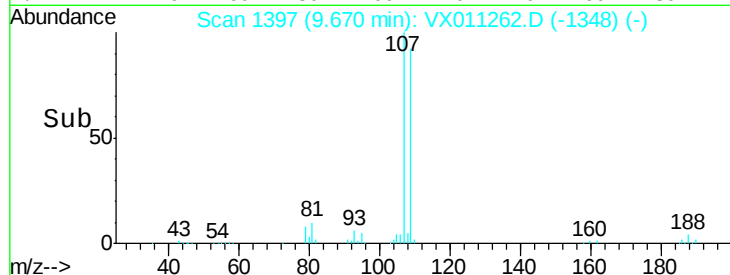
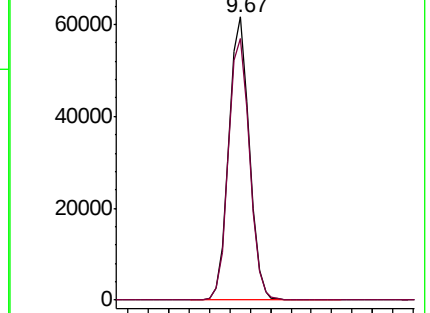
MMDadoda

8/2/2019 9:07:05 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.762 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

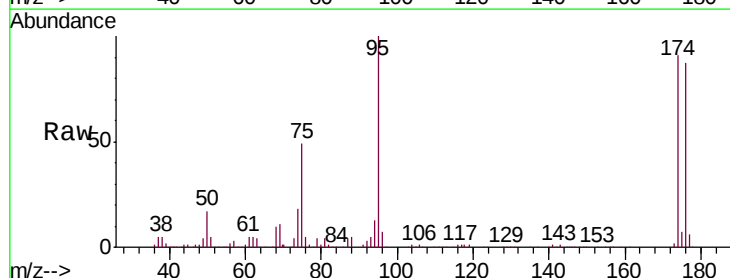
Tgt Ion: 95 Resp: 94486

Ion Ratio Lower Upper

95 100

174 95.6 0.0 191.2

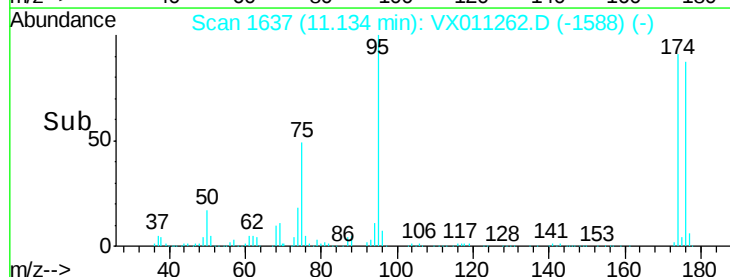
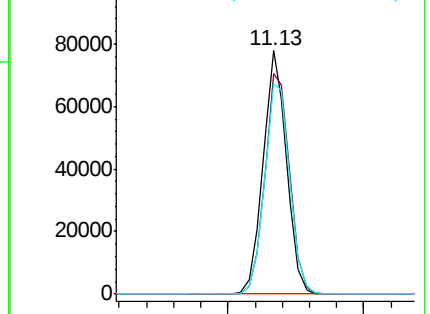
176 92.4 0.0 184.8

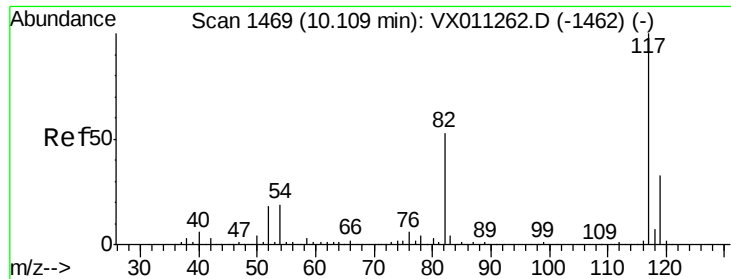


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





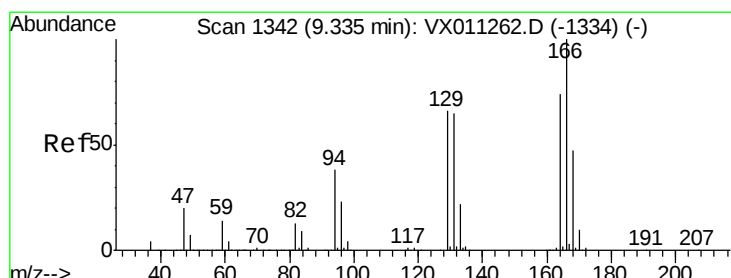
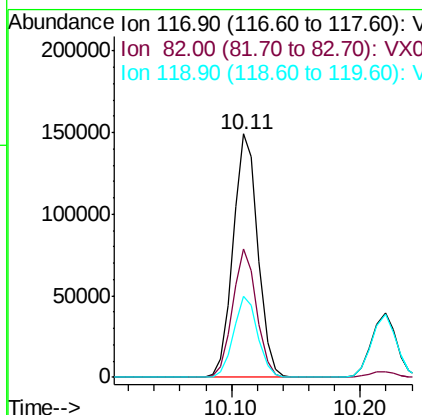
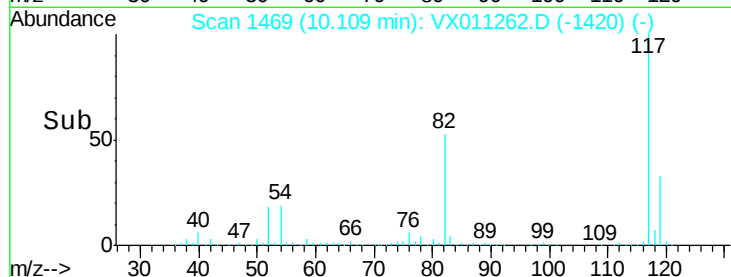
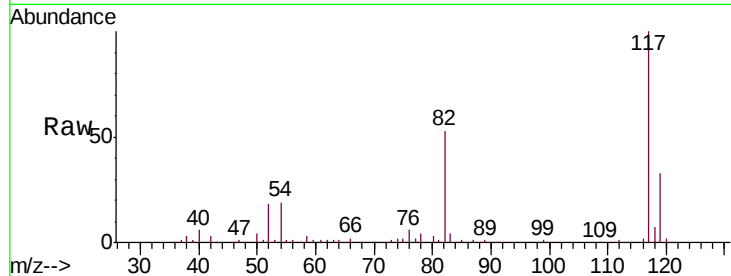
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	199872		
82	52.7	42.2	63.2	
119	33.2	26.6	39.8	

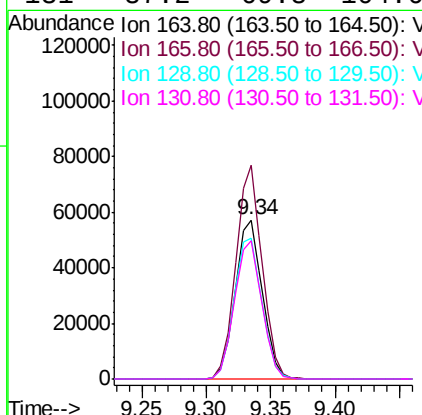
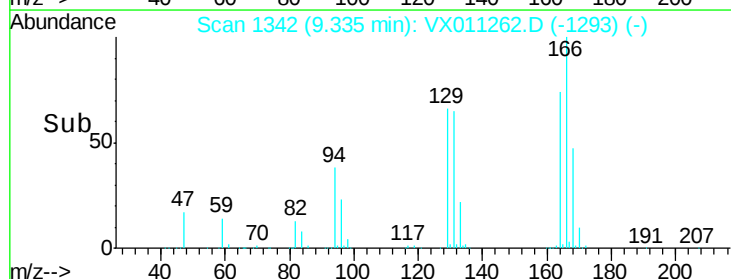
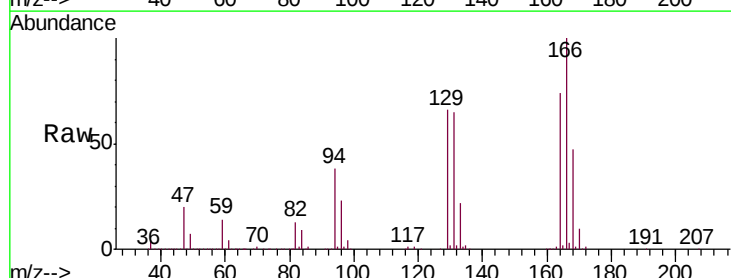
Manual Integrations
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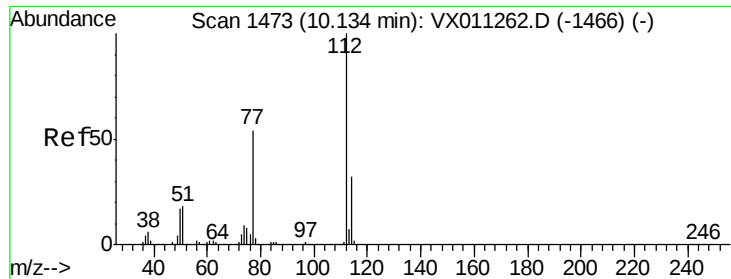
MMDadoda
8/2/2019 9:07:05 AM



#64
Tetrachloroethene
Concen: 52.090 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83283		
166	134.4	107.5	161.3	
129	88.7	71.0	106.4	
131	87.2	69.8	104.6	





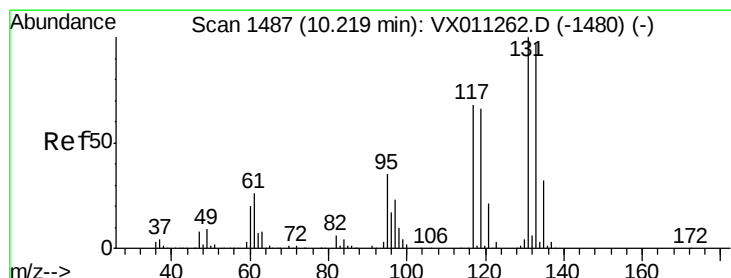
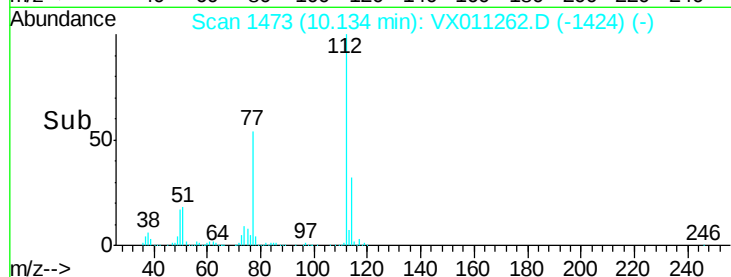
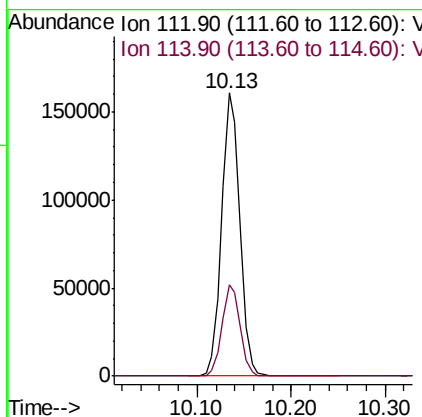
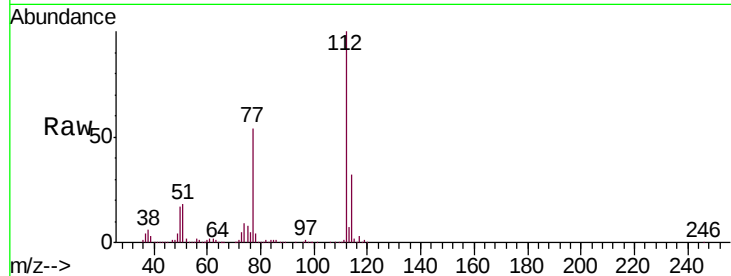
#65
Chlorobenzene
Concen: 51.411 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 214060
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

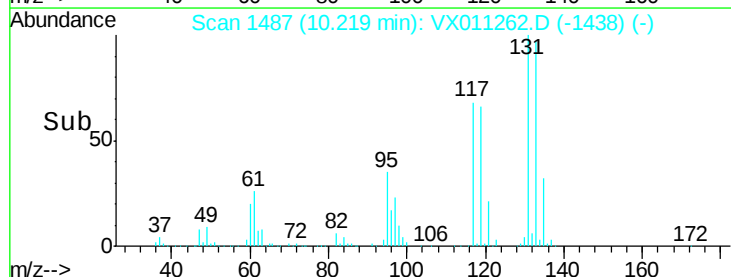
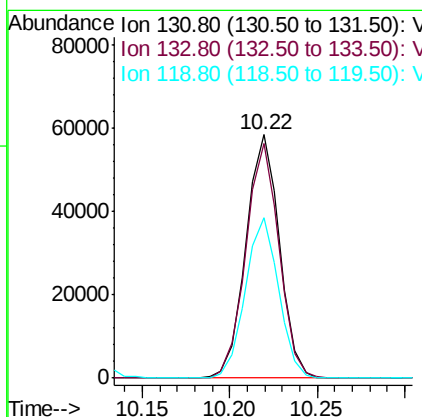
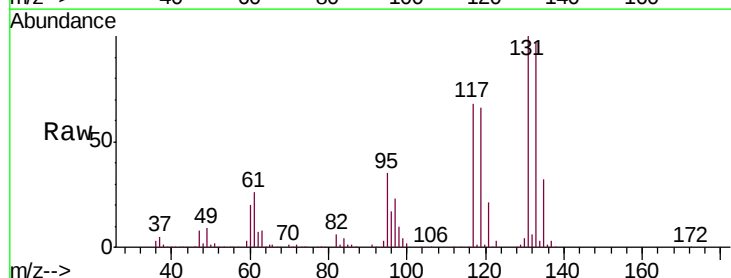
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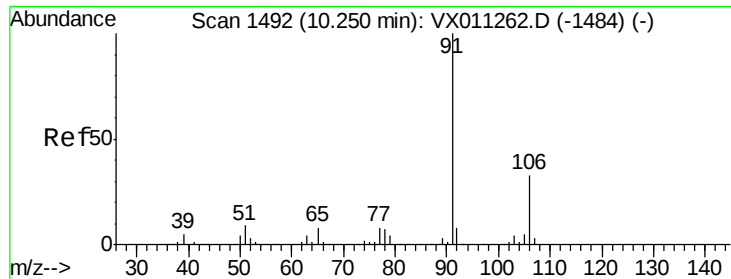
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.778 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion:131 Resp: 78400
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 65.5 32.8 98.3





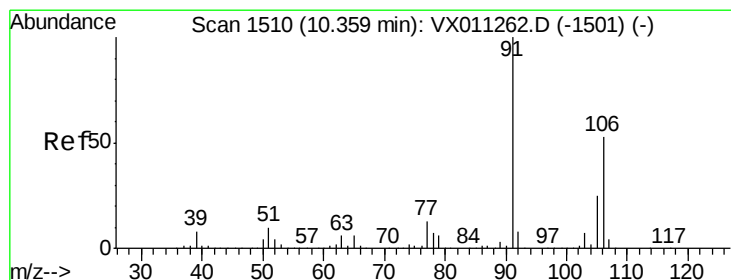
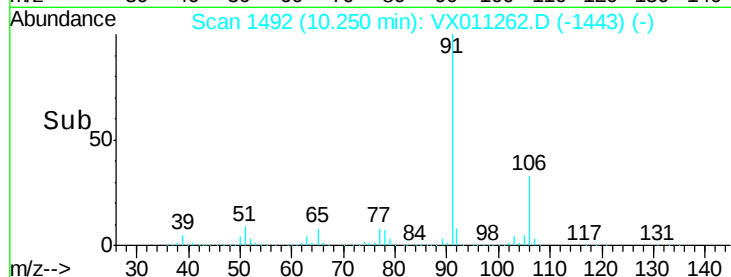
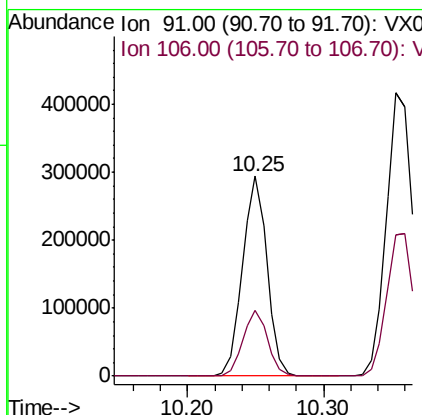
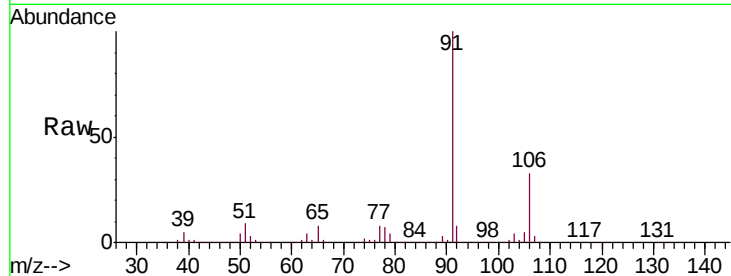
#67
Ethyl Benzene
Concen: 52.360 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 369806
Ion Ratio Lower Upper
91 100
106 32.8 26.2 39.4

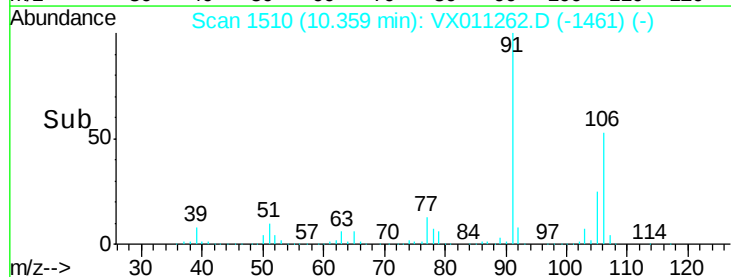
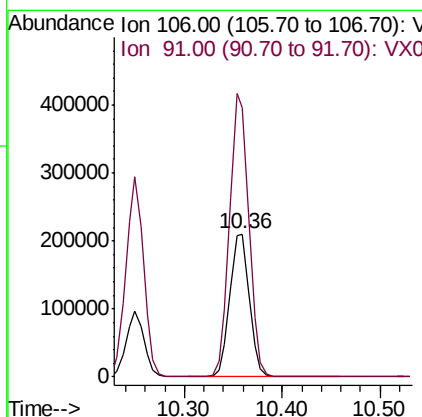
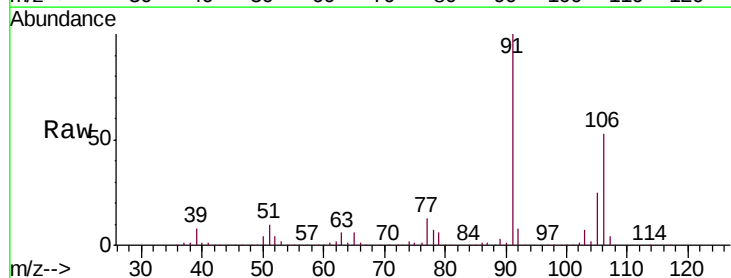
Manual Integrations
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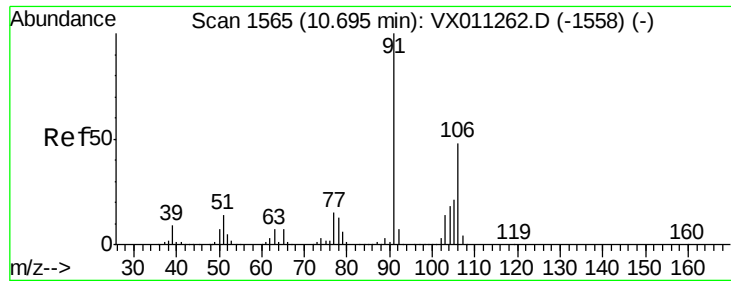
MMDadoda
8/2/2019 9:07:05 AM



#68
m/p-Xylenes
Concen: 107.303 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion: 106 Resp: 292200
Ion Ratio Lower Upper
106 100
91 194.9 155.9 233.9





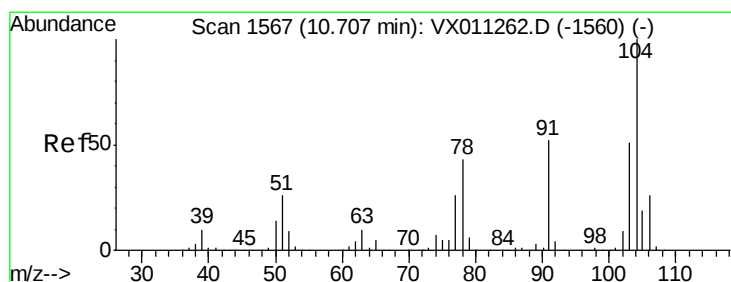
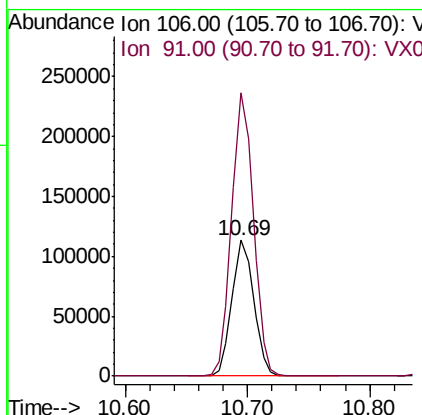
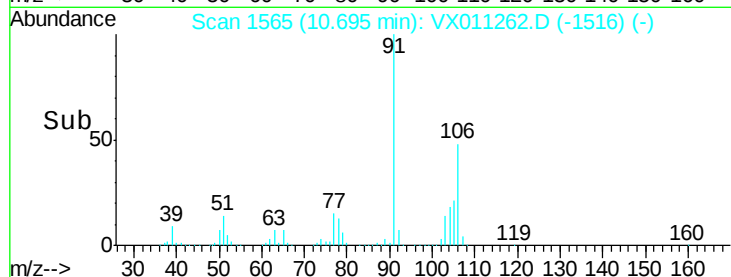
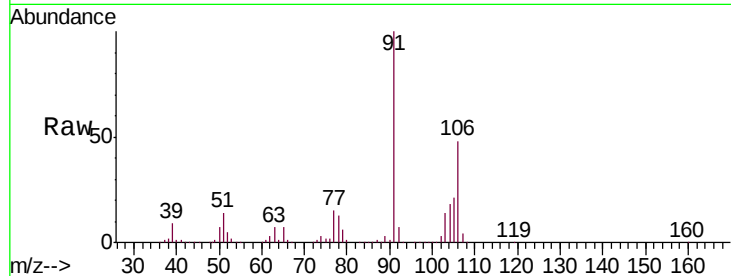
#69
o-Xylene
Concen: 52.992 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tgt Ion:106 Resp: 140373
Ion Ratio Lower Upper
106 100
91 207.5 103.8 311.3

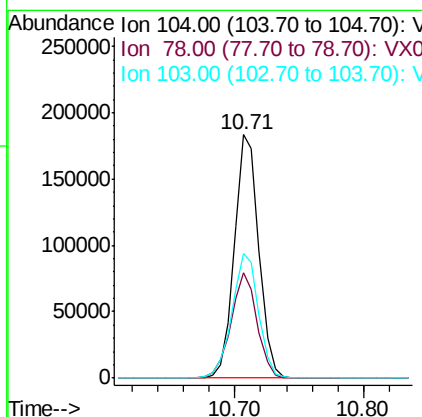
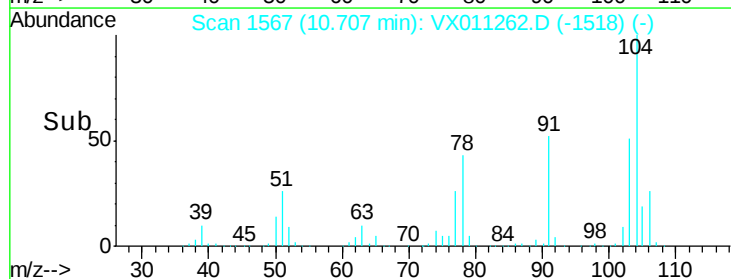
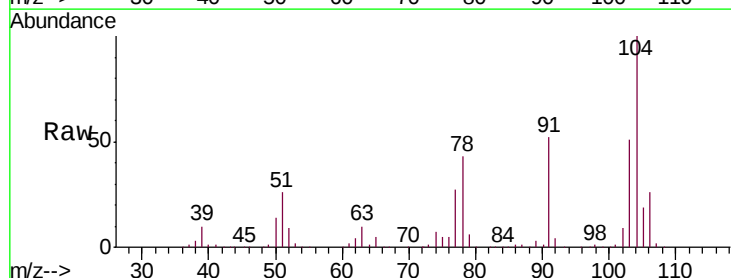
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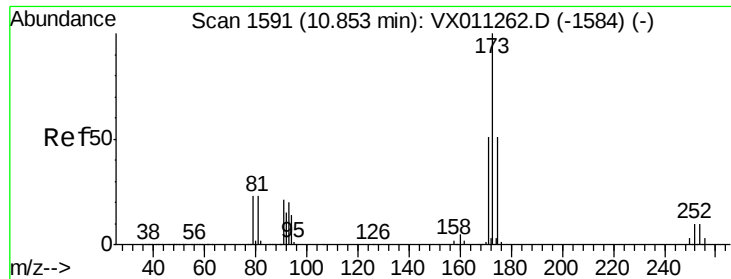
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#70
Styrene
Concen: 54.864 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion:104 Resp: 242626
Ion Ratio Lower Upper
104 100
78 46.1 36.9 55.3
103 55.5 44.4 66.6





#71

Bromoform

Concen: 55.134 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:173 Resp: 64111

Ion Ratio Lower Upper

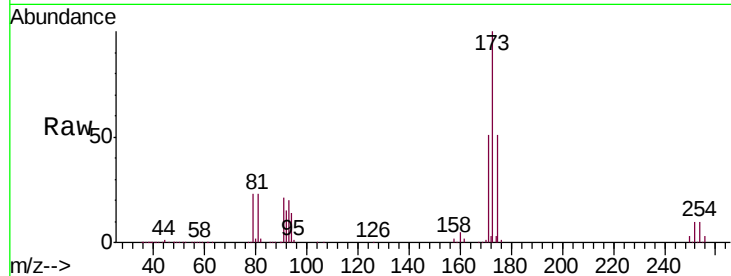
173 100

175 48.9 24.4 73.4

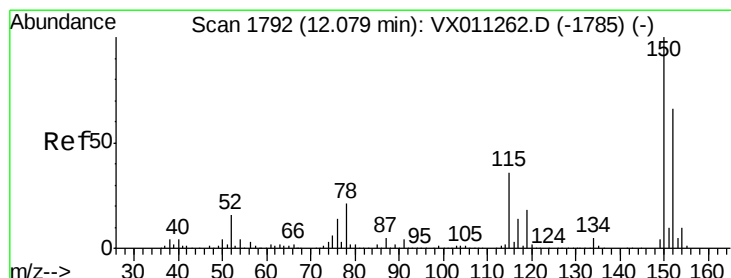
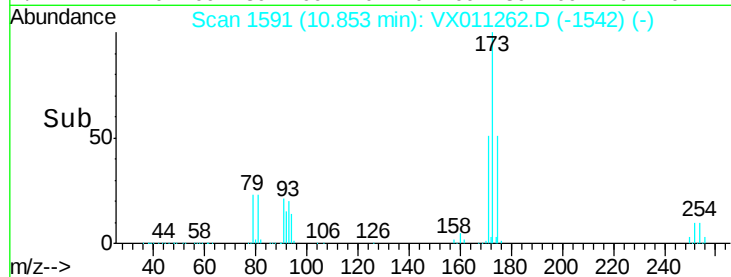
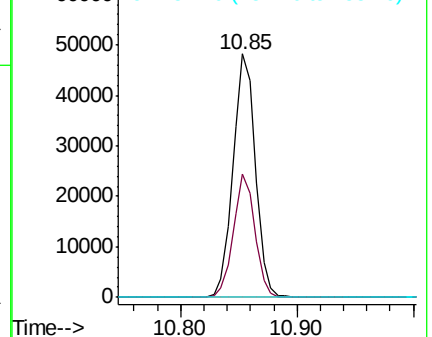
254 0.2 0.2 0.2

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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: VX011262.D

Acq: 01 Aug 2019 16:13

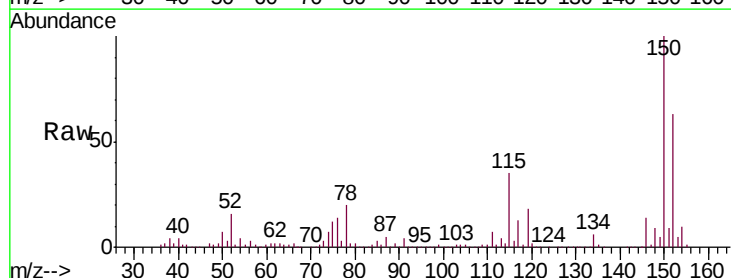
Tgt Ion:152 Resp: 109420

Ion Ratio Lower Upper

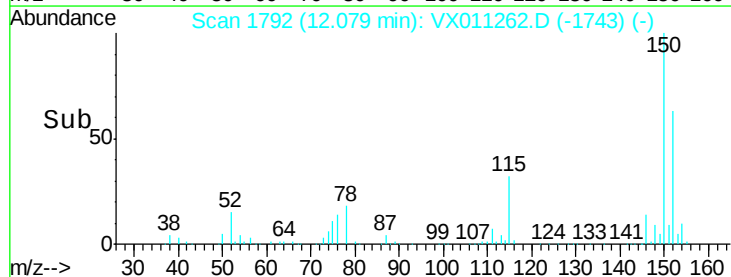
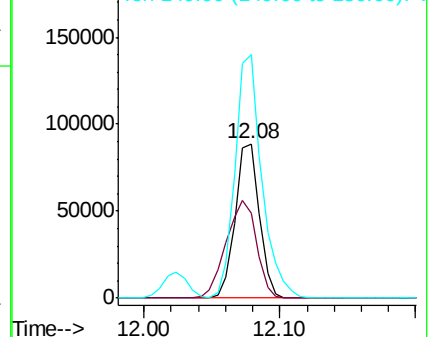
152 100

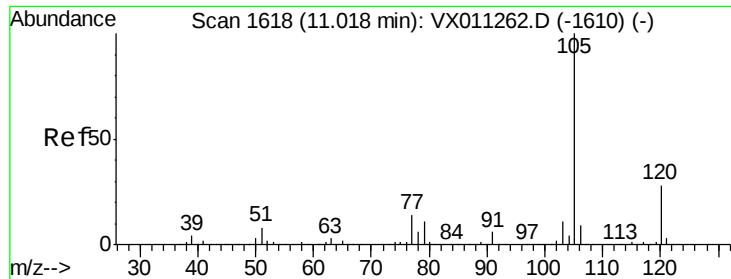
115 79.9 40.0 119.9

150 175.2 0.0 350.4



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: 50.885 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 380065

Ion Ratio Lower Upper

105 100

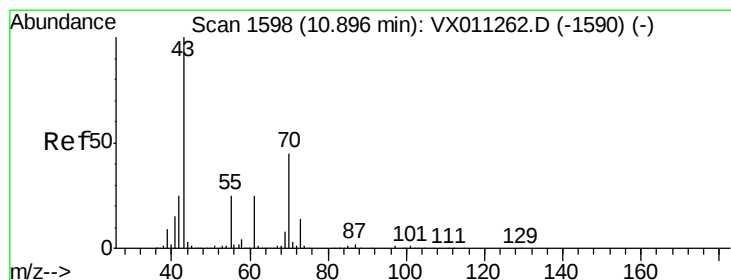
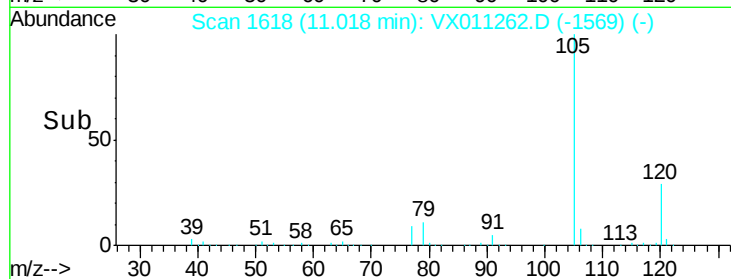
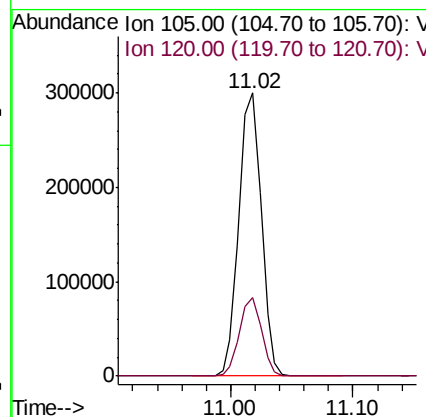
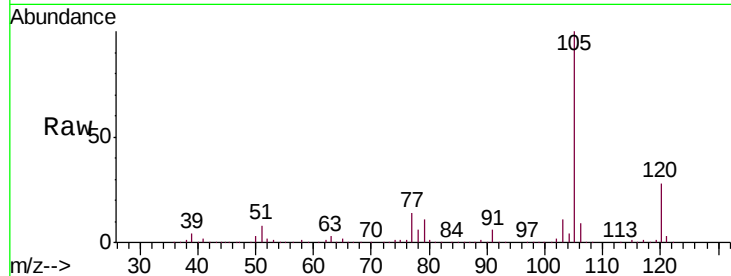
120 27.4 13.7 41.1

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#74

N-ethyl acetate

Concen: 52.037 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Tgt Ion: 43 Resp: 147666

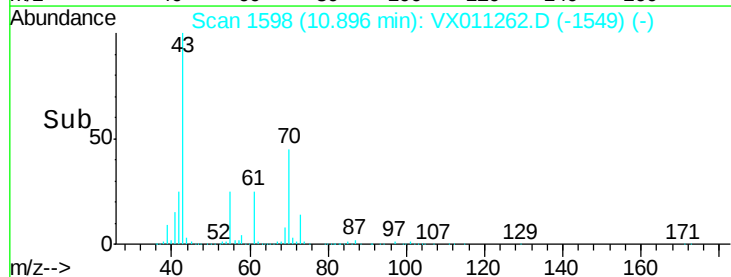
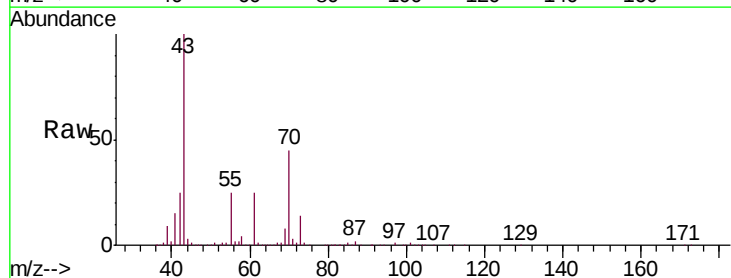
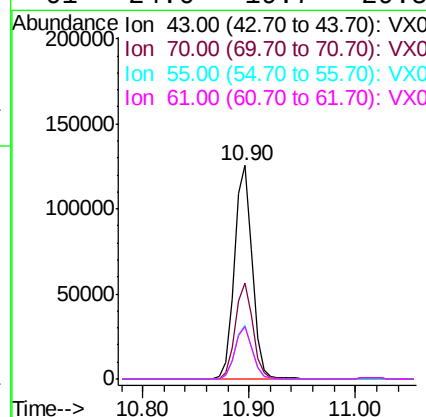
Ion Ratio Lower Upper

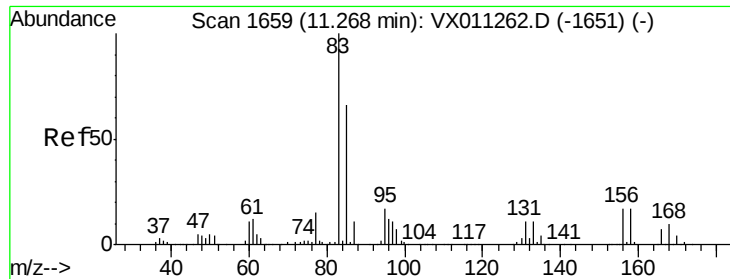
43 100

70 44.9 35.9 53.9

55 24.7 19.8 29.6

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.781 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 126649
Ion Ratio Lower Upper

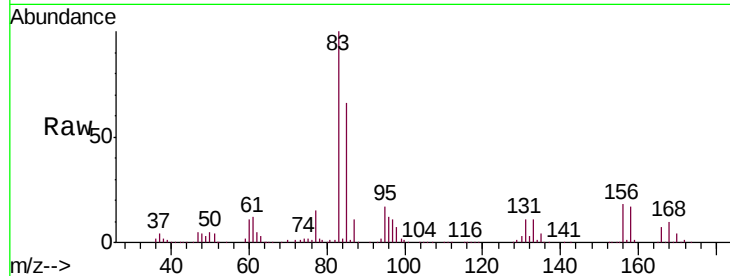
83 100

131 11.2 5.6 16.8

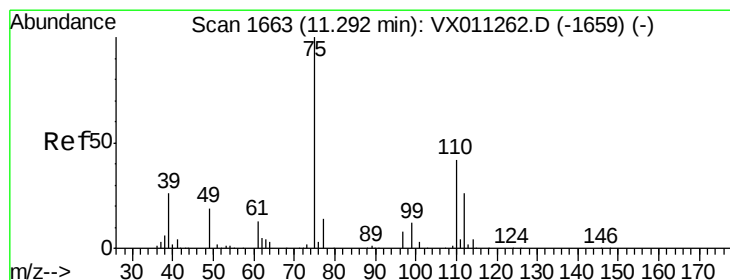
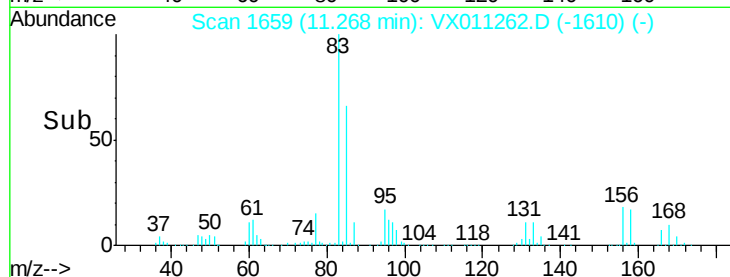
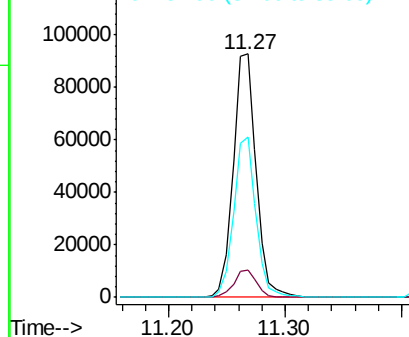
85 64.3 32.1 96.5

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



#76

1,2,3-Trichloropropane

Concen: 51.965 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

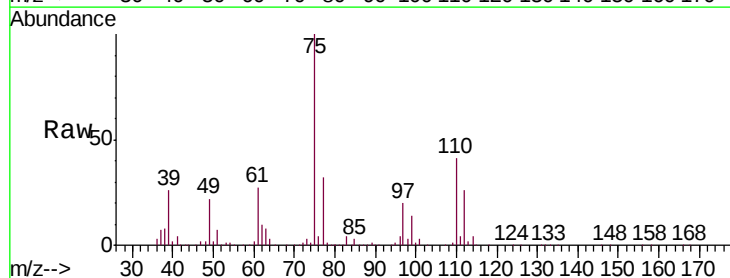
Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

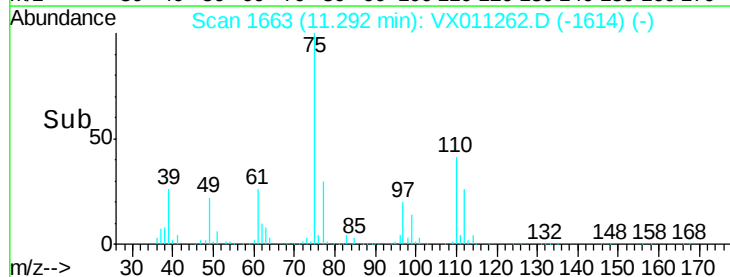
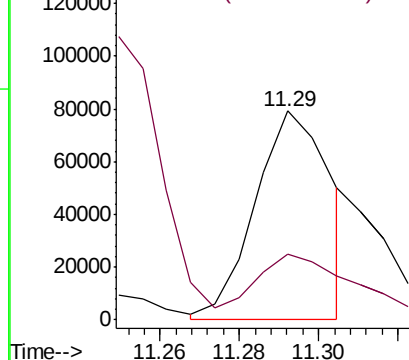
Tgt Ion: 75 Resp: 103566
Ion Ratio Lower Upper

75 100

77 42.3 21.1 63.4



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





#77

Bromobenzene

Concen: 50.740 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

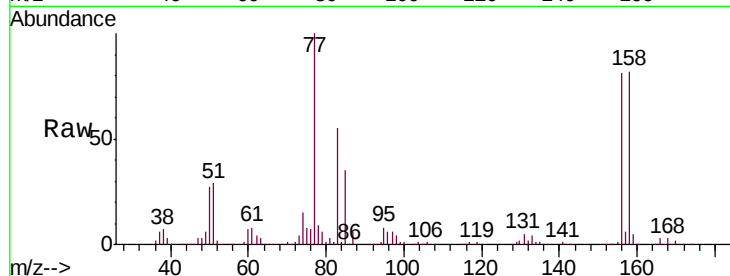
ClientSampleId :

VSTDICCC050

Tgt Ion:	156	Resp:	104606
Ion Ratio	Lower	Upper	
156	100		
77	132.4	66.2	198.6
158	98.2	49.1	147.3

Manual Integrations
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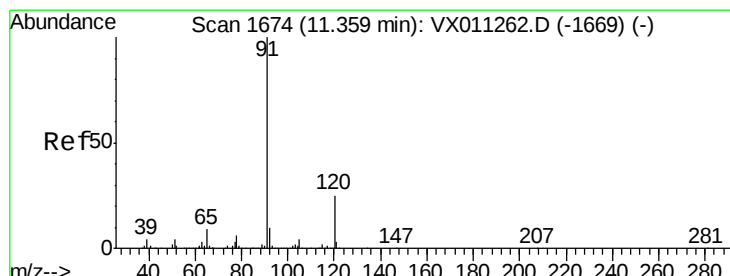
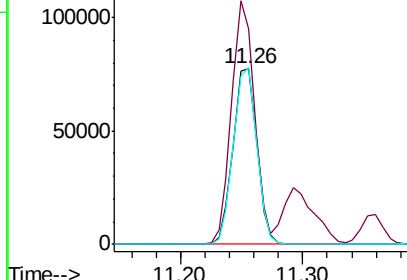
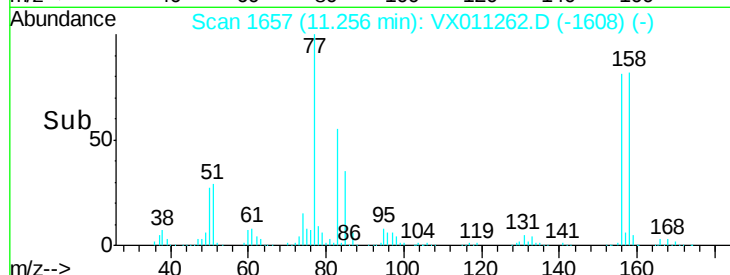
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.797 ug/l

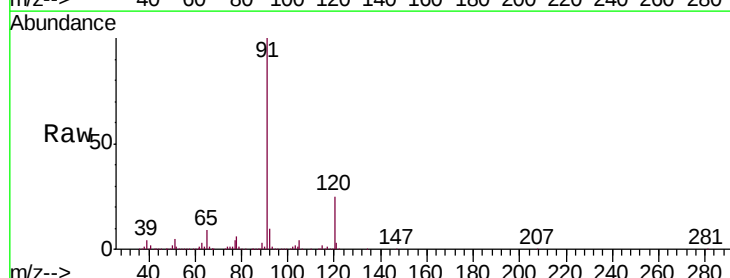
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011262.D

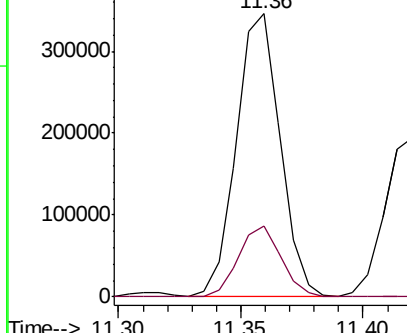
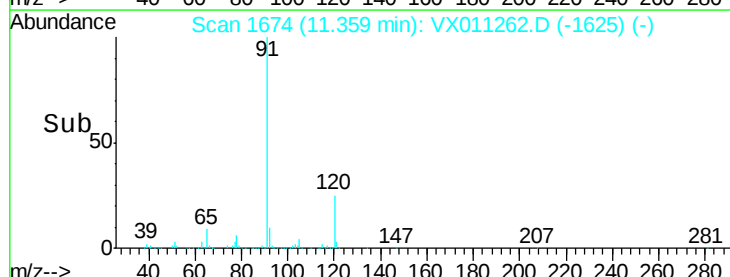
Acq: 01 Aug 2019 16:13

Tgt Ion:	91	Resp:	427003
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.4	37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





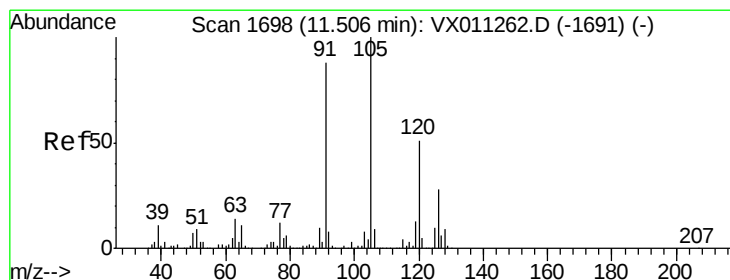
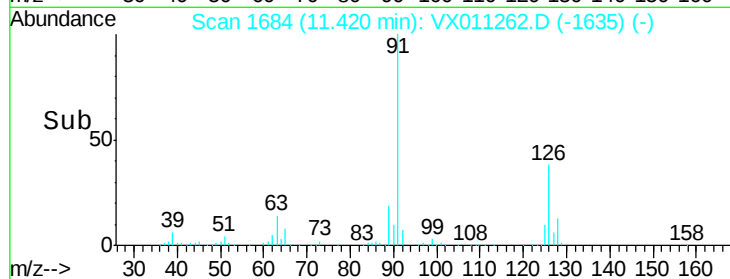
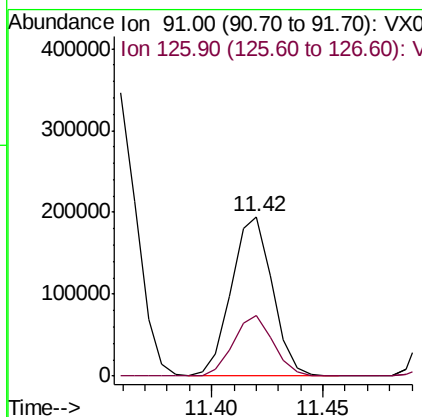
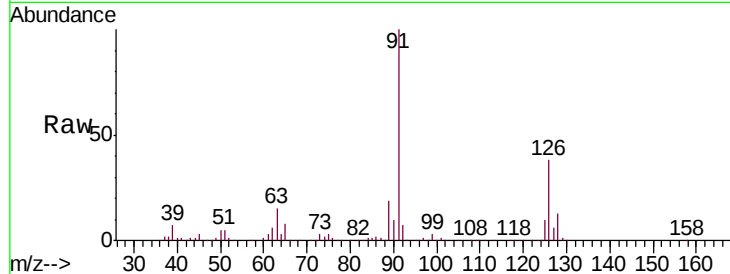
#79
2-Chlorotoluene
Concen: 50.308 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 248516
Ion Ratio Lower Upper
91 100
126 37.0 18.5 55.5

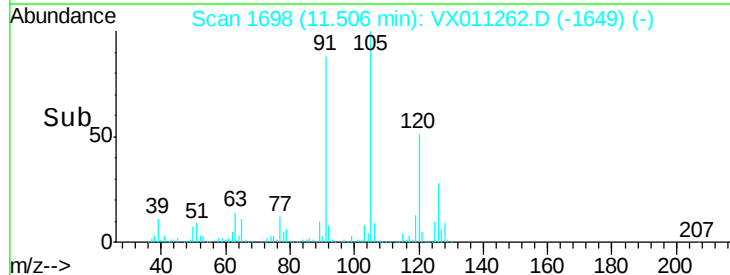
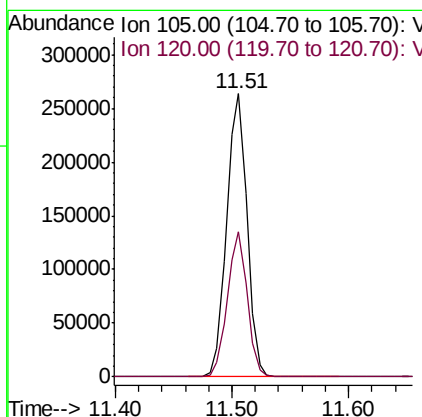
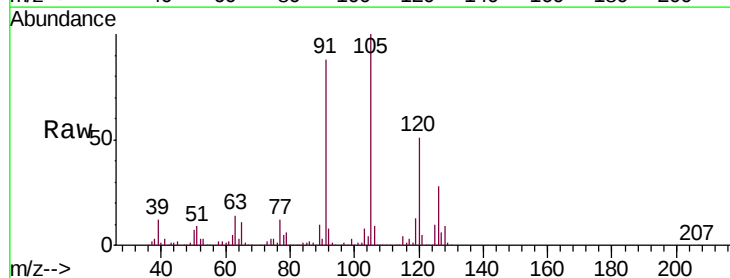
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#80
1,3,5-Trimethylbenzene
Concen: 51.245 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion: 105 Resp: 318462
Ion Ratio Lower Upper
105 100
120 50.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.997 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tgt Ion: 75 Resp: 36660

Ion Ratio Lower Upper

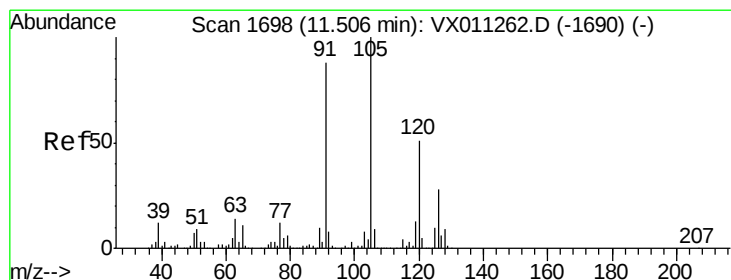
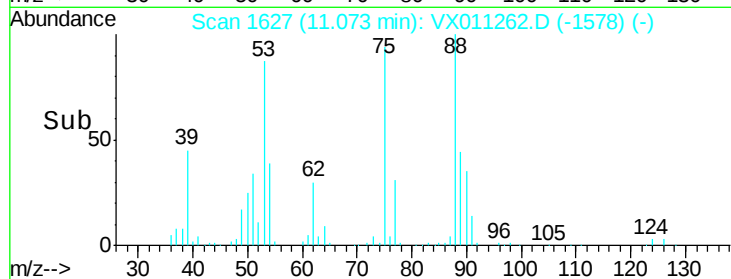
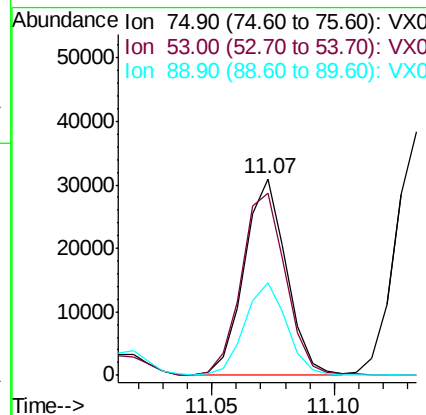
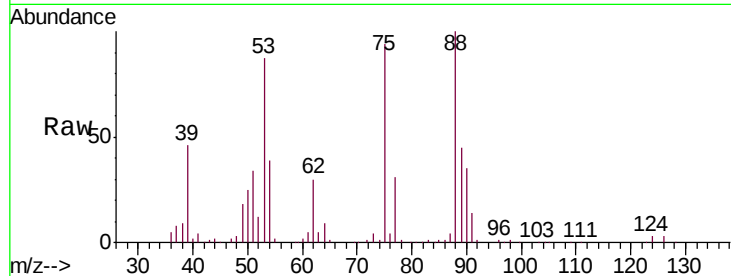
75 100

53 97.8 78.2 117.4

89 47.4 37.9 56.9

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#82

4-Chlorotoluene

Concen: 50.845 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011262.D

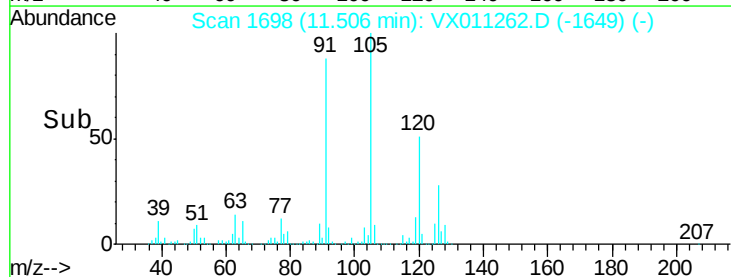
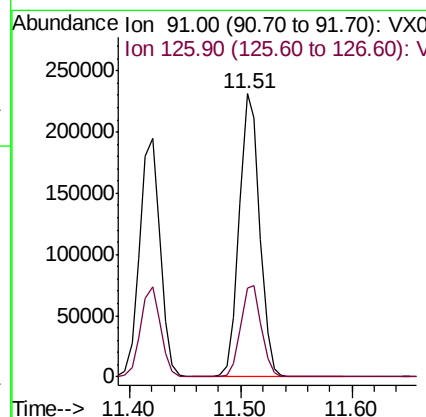
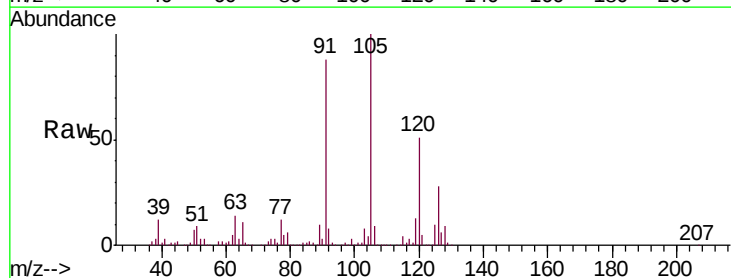
Acq: 01 Aug 2019 16:13

Tgt Ion: 91 Resp: 292804

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2





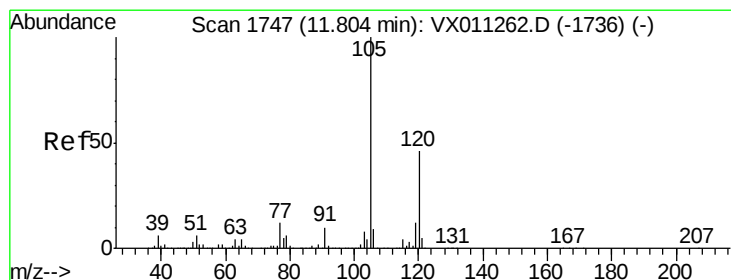
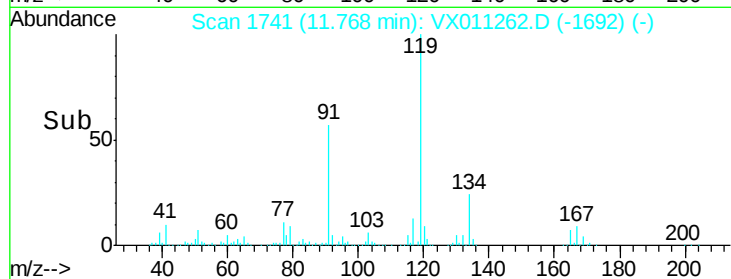
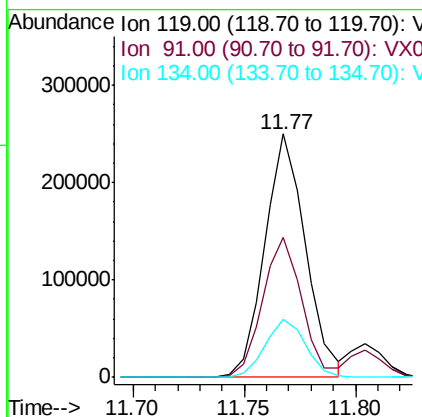
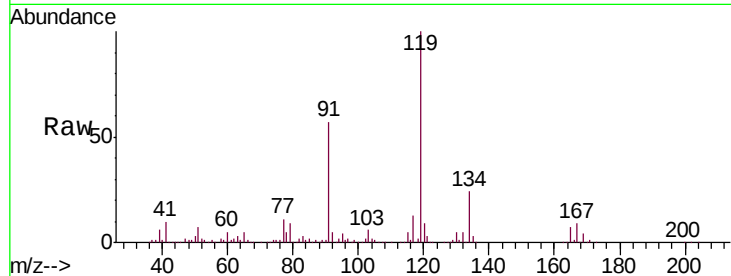
#83
 tert-Butylbenzene
 Concen: 51.704 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	316566		
91	56.0	28.0	84.0	
134	23.7	11.9	35.5	

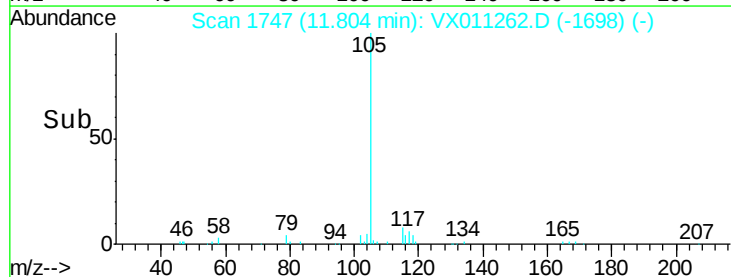
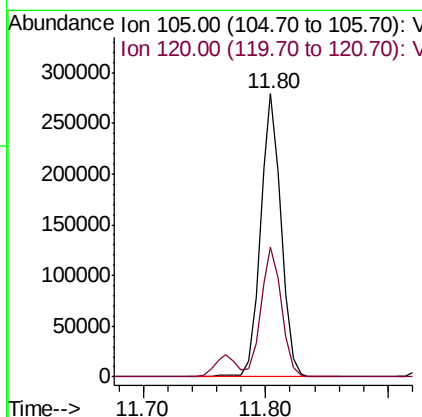
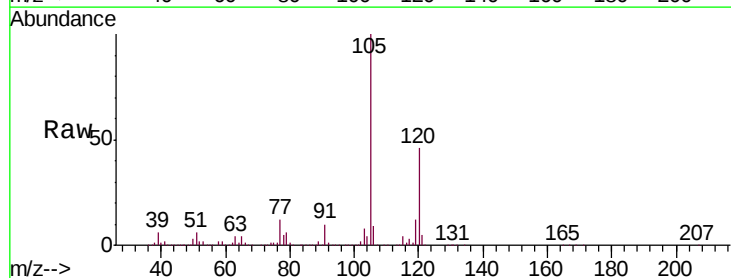
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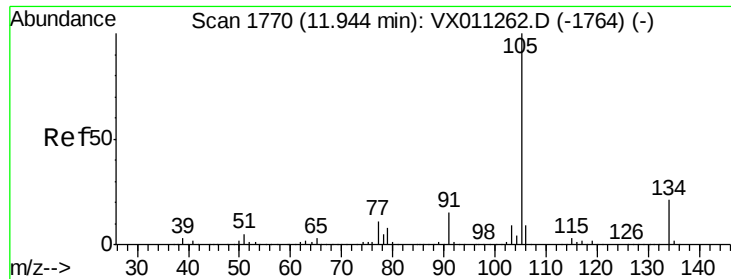
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.028 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	327091		
120	46.0	23.0	69.0	





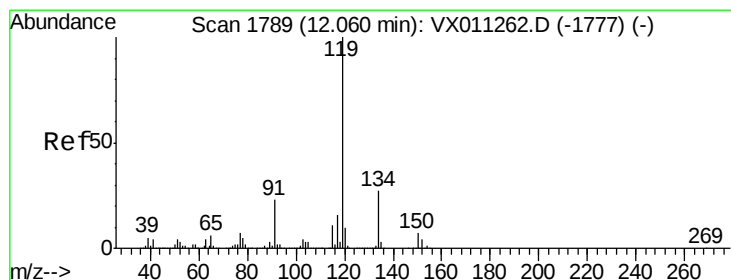
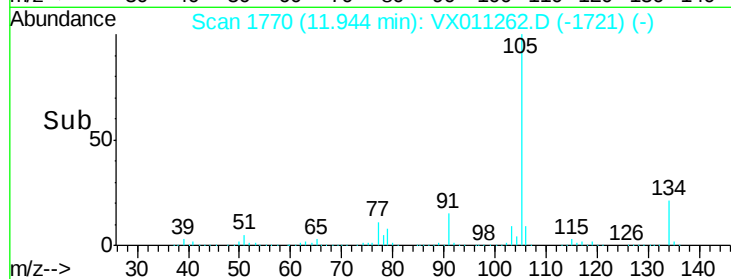
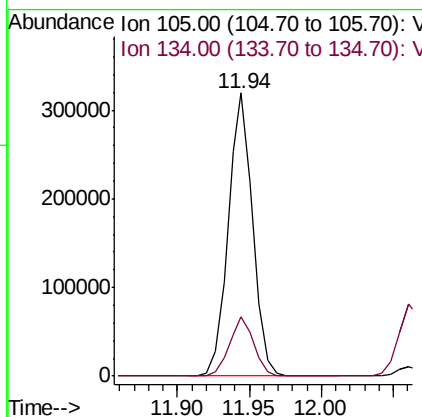
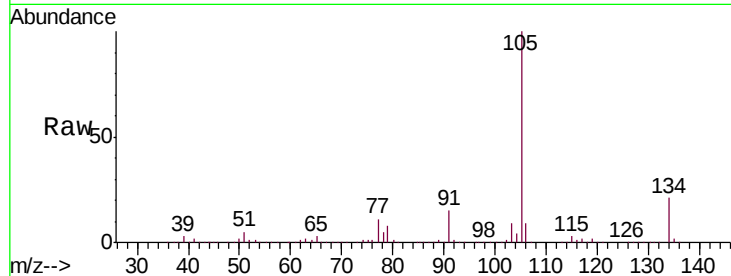
#85
 sec-Butylbenzene
 Concen: 52.648 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	378289		
134	20.9	10.4	31.4	

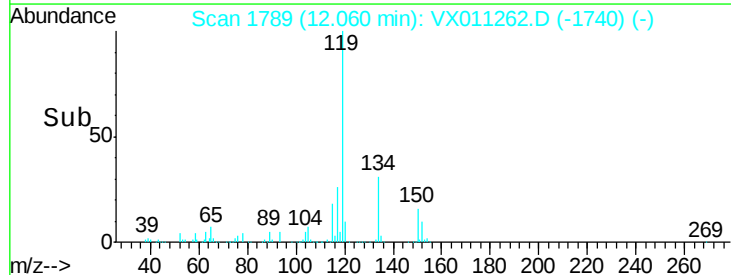
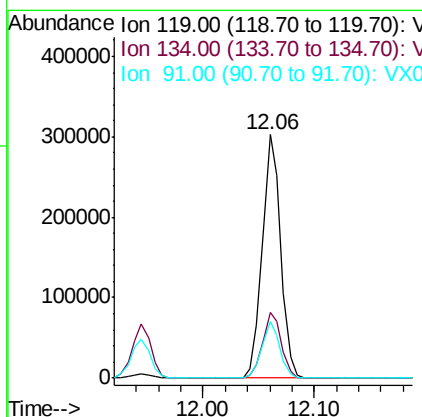
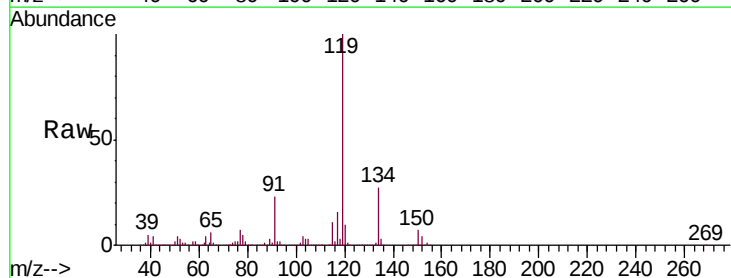
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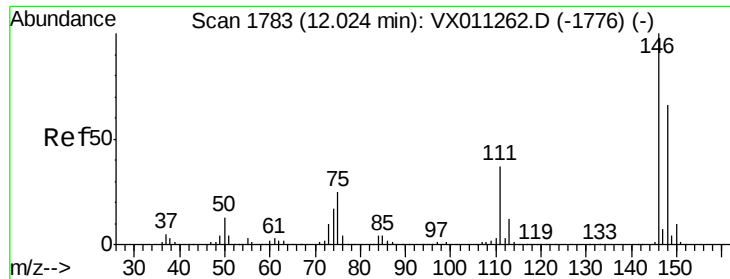
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#86
 p-Isopropyltoluene
 Concen: 53.127 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	353229		
134	27.3	13.7	41.0	
91	22.8	11.4	34.2	





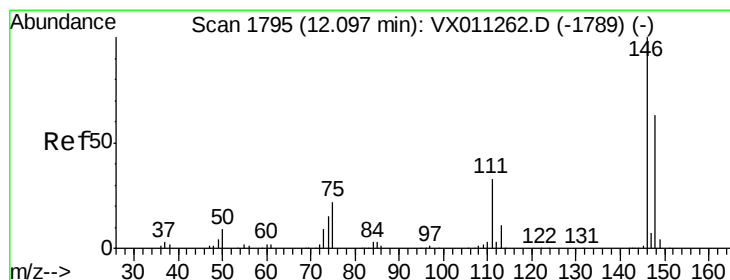
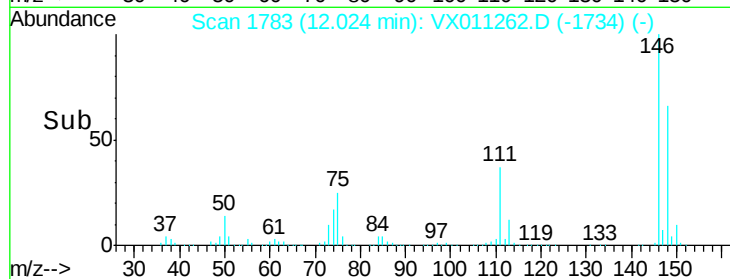
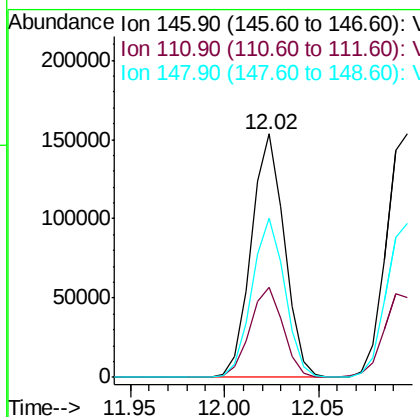
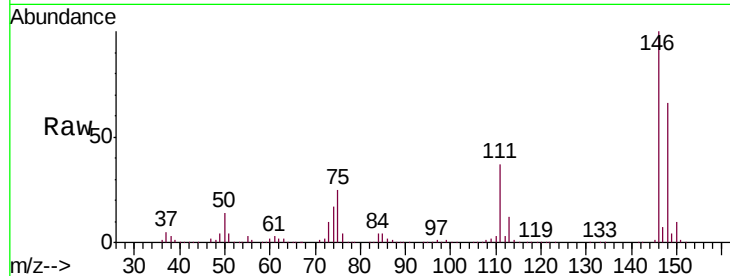
#87
 1,3-Dichlorobenzene
 Concen: 52.239 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	65.0	32.5	97.5

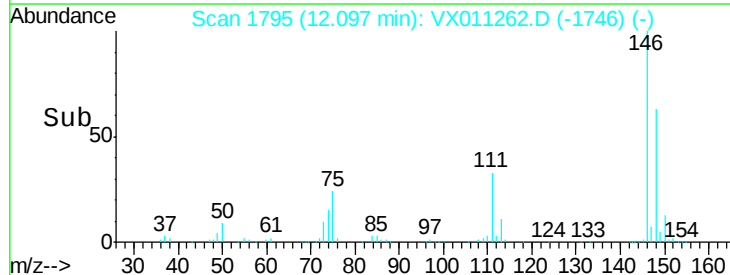
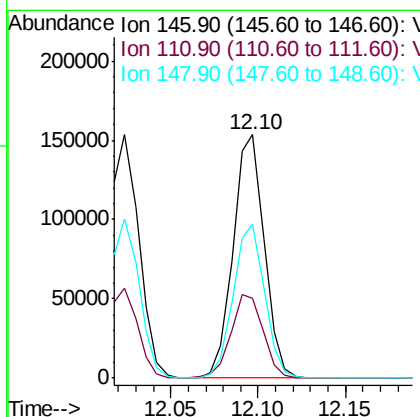
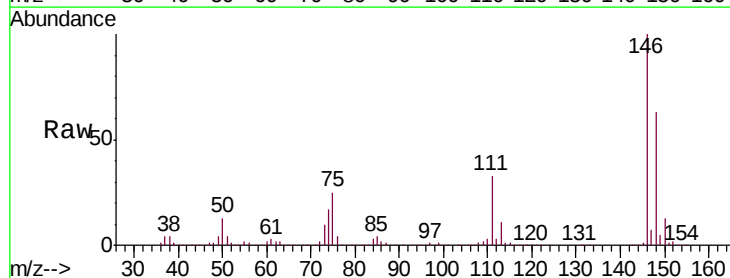
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#88
 1,4-Dichlorobenzene
 Concen: 51.529 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.8	53.4
148	63.5	31.8	95.3





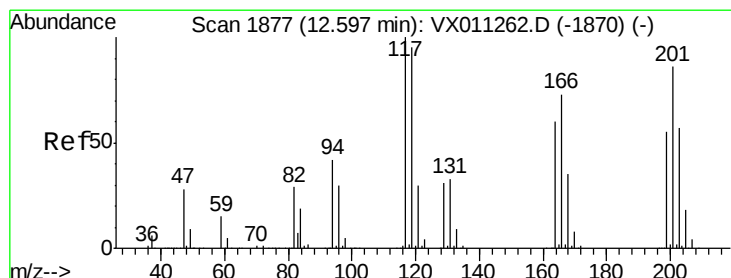
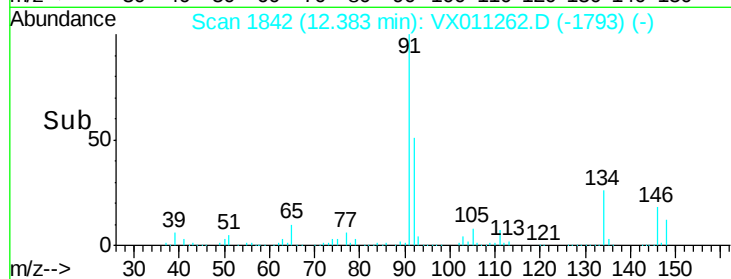
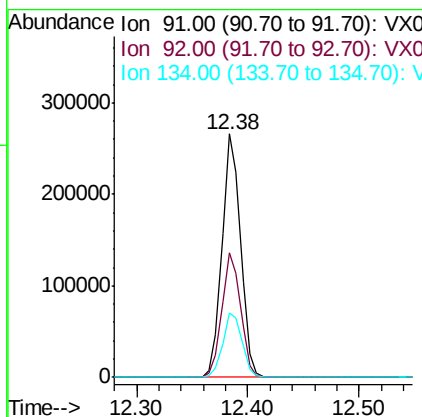
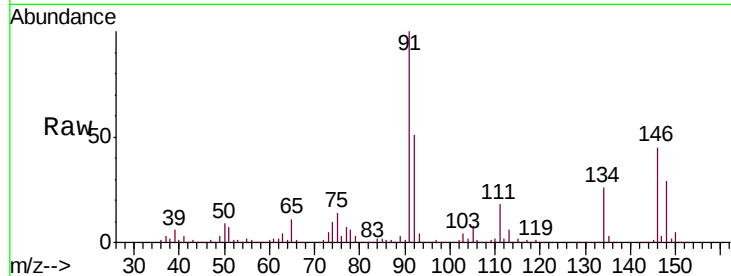
#89
n-Butylbenzene
Concen: 53.925 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 306685
Ion Ratio Lower Upper
91 100
92 51.5 25.8 77.3
134 27.3 13.7 41.0

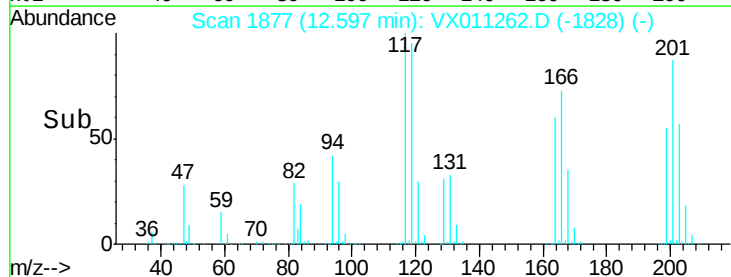
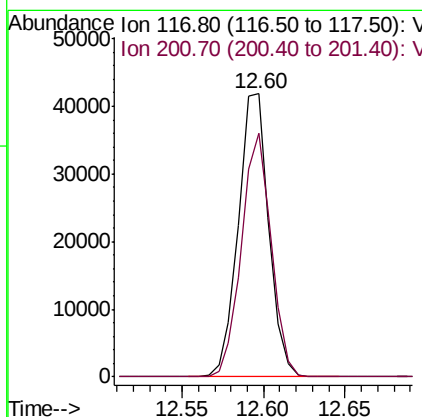
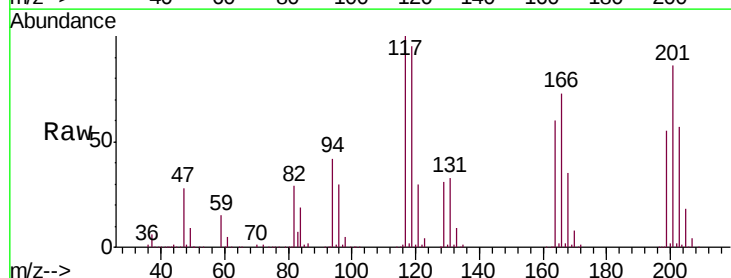
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#90
Hexachloroethane
Concen: 52.484 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion: 117 Resp: 54795
Ion Ratio Lower Upper
117 100
201 83.6 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 52.760 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Instrument :

MSVOA_X

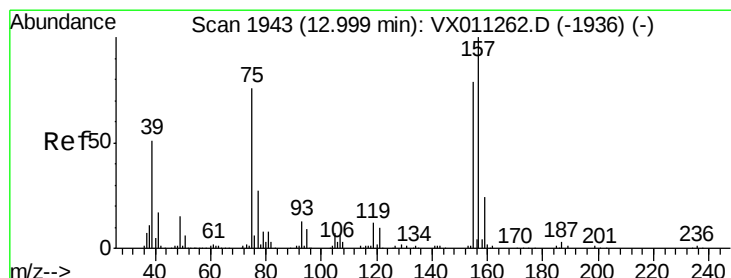
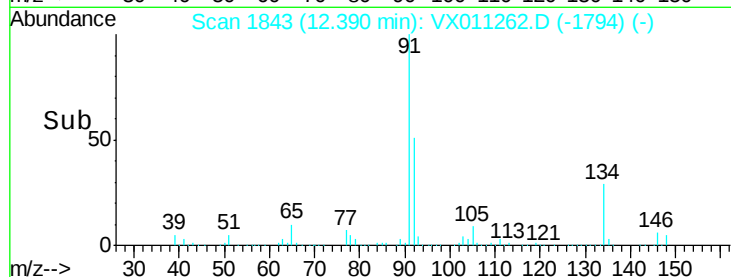
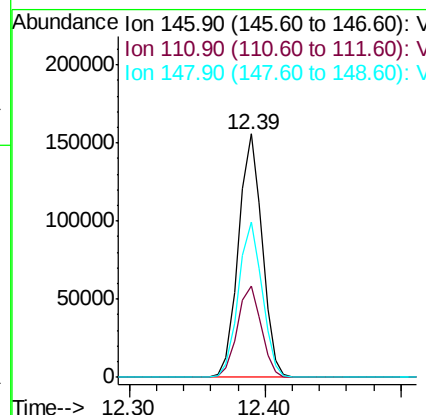
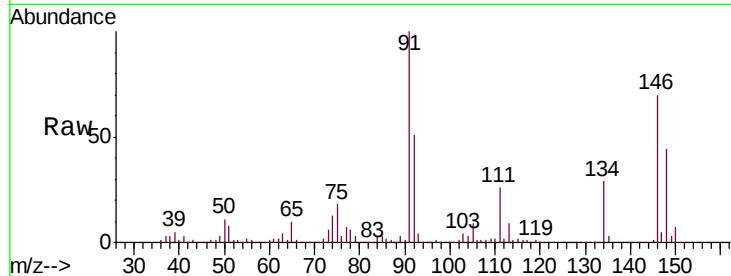
ClientSampleId :

VSTDICCC050

Tgt Ion:	146	Resp:	187812
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.1
148	64.5	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.984 ug/l

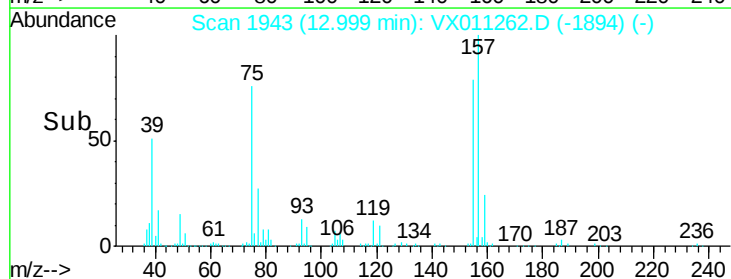
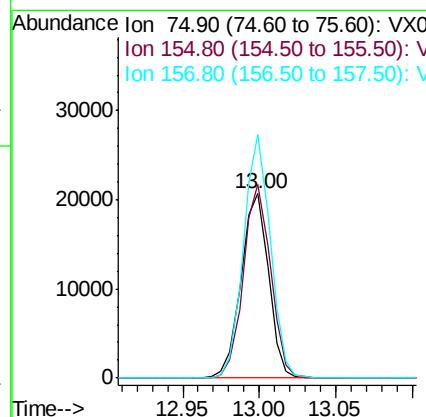
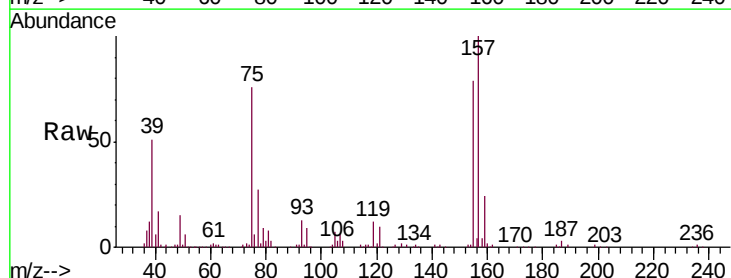
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX011262.D

Acq: 01 Aug 2019 16:13

Tgt Ion:	75	Resp:	25823
Ion Ratio	Lower	Upper	
75	100		
155	103.9	51.9	155.8
157	128.5	64.3	192.7





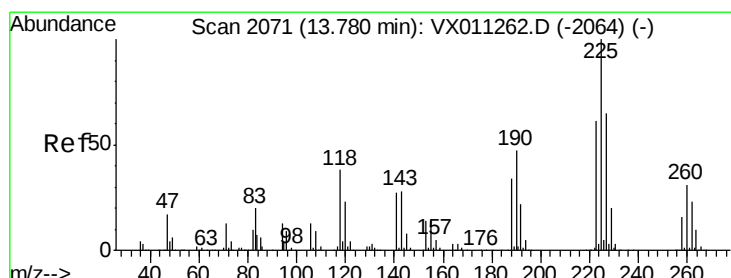
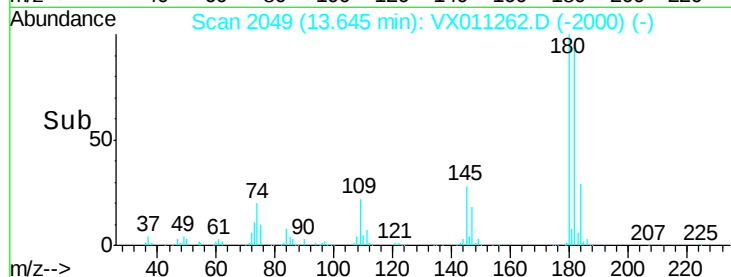
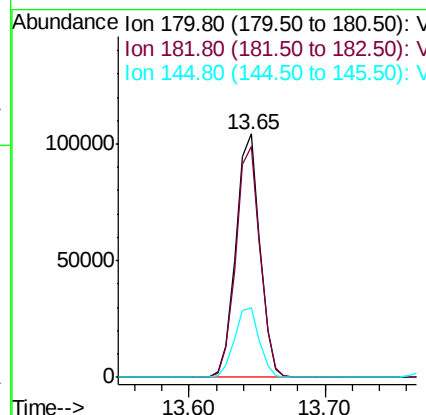
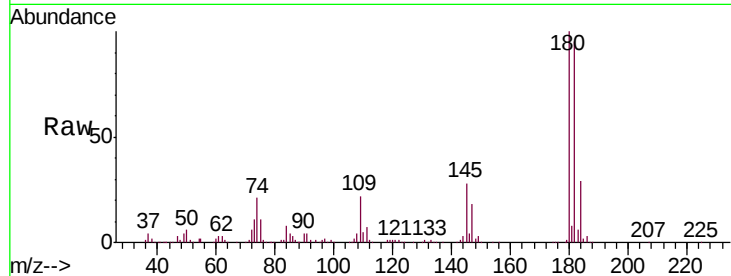
#93
 1,2,4-Trichlorobenzene
 Concen: 53.185 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127931		
182	95.6	47.8	143.4	
145	29.5	14.8	44.3	

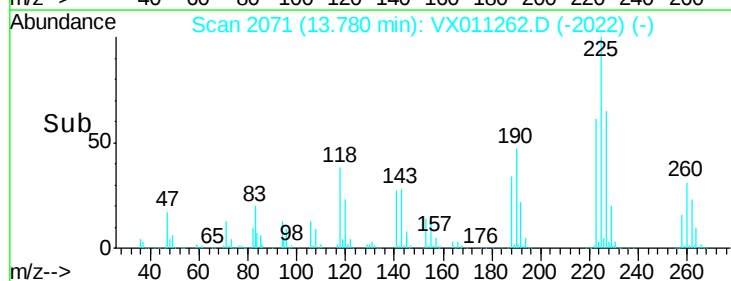
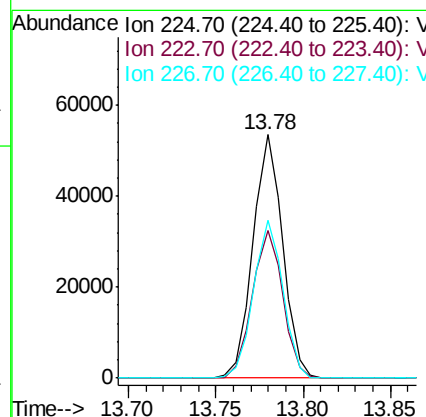
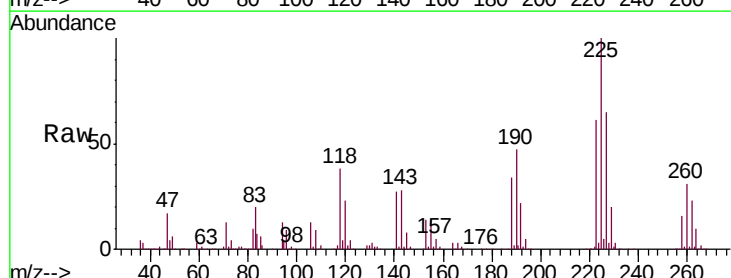
Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:07:05 AM



#94
 Hexachlorobutadiene
 Concen: 52.810 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011262.D
 Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63184		
223	62.0	31.0	93.0	
227	64.4	32.2	96.6	





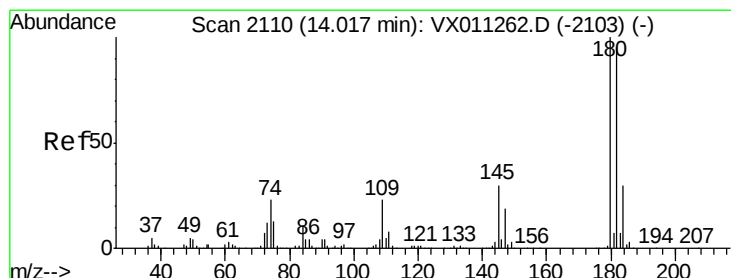
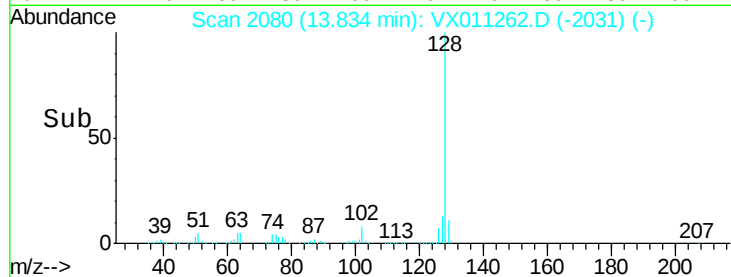
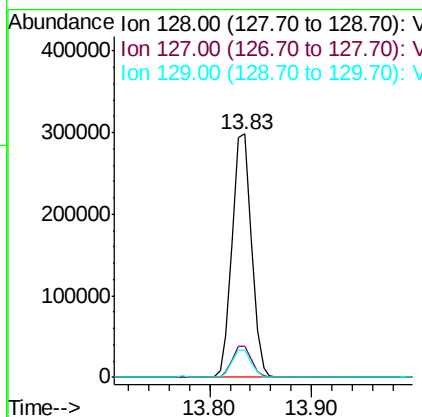
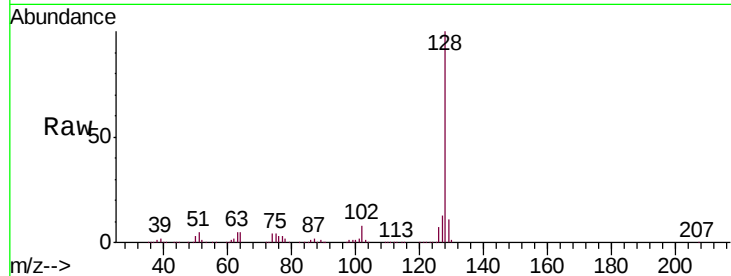
#95
Naphthalene
Concen: 54.578 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	388007		
127	13.0		10.4	15.6
129	11.1		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:07:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.433 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011262.D
Acq: 01 Aug 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128150		
182	94.9		47.4	142.3
145	30.4		15.2	45.6

