

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122718\
 Data File : VX006834.D
 Acq On : 27 Dec 2018 11:36
 Operator : JC/MD
 Sample : VX1227WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 10:28:01 AM

Quant Time: Dec 28 03:57:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	568999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	844752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	761390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	382847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	292544	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	5.50	113	263245	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	8.71	98	969626	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
62) 4-Bromofluorobenzene	11.13	95	351790	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	89210	17.138	ug/l	99
3) Chloromethane	1.33	50	101126	18.033	ug/l	100
4) Vinyl Chloride	1.41	62	109552	18.704	ug/l	99
5) Bromomethane	1.64	94	102325	17.474	ug/l	96
6) Chloroethane	1.72	64	71533	17.639	ug/l	98
7) Trichlorofluoromethane	1.93	101	171170	18.745	ug/l	100
8) Diethyl Ether	2.19	74	69059	19.041	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	99962	18.644	ug/l	97
10) Methyl Iodide	2.51	142	128758	16.777	ug/l	100
11) Tert butyl alcohol	3.07	59	123826	90.477	ug/l	98
12) 1,1-Dichloroethene	2.37	96	95674	18.819	ug/l	98
13) Acrolein	2.30	56	88286	95.624	ug/l	99
14) Allyl chloride	2.73	41	164900	19.270	ug/l	99
15) Acrylonitrile	3.15	53	305611	100.573	ug/l	99
16) Acetone	2.45	43	277823	98.609	ug/l	100
17) Carbon Disulfide	2.57	76	203359	15.115	ug/l	99
18) Methyl Acetate	2.78	43	176900	21.353	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	351550	20.835	ug/l	98
20) Methylene Chloride	2.86	84	117487	20.166	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	101670	18.049	ug/l	97
22) Diisopropyl ether	3.87	45	329919	21.074	ug/l	97
23) Vinyl Acetate	3.82	43	1281799	100.099	ug/l	98
24) 1,1-Dichloroethane	3.70	63	178171	19.065	ug/l	99
25) 2-Butanone	4.70	43	383694	96.818	ug/l	99
26) 2,2-Dichloropropane	4.59	77	135481	18.767	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	120129	19.329	ug/l	97
28) Bromochloromethane	5.02	49	80611	19.325	ug/l	97
29) Tetrahydrofuran	5.15	42	249849	95.720	ug/l	97
30) Chloroform	5.21	83	187788	19.404	ug/l	95
31) Cyclohexane	5.58	56	140864	16.592	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	155896	19.078	ug/l	98
36) 1,1-Dichloropropene	5.80	75	131807	18.839	ug/l	99
37) Ethyl Acetate	4.85	43	145347	19.960	ug/l	99
38) Carbon Tetrachloride	5.78	117	129857	19.098	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	142040	15.421	ug/l	99
40) Benzene	6.14	78	419863	19.742	ug/l	97
41) Methacrylonitrile	5.06	41	83427	21.579	ug/l	98
42) 1,2-Dichloroethane	6.20	62	144761	19.976	ug/l	100
43) Isopropyl Acetate	6.46	43	234367	21.152	ug/l	98
44) Trichloroethene	7.21	130	123561	19.196	ug/l	97
45) 1,2-Dichloropropane	7.52	63	103444	19.988	ug/l	98
46) Dibromomethane	7.66	93	74572	19.590	ug/l	98
47) Bromodichloromethane	7.90	83	126386	19.998	ug/l	99
48) Methyl methacrylate	7.77	41	119706	21.245	ug/l	98
49) 1,4-Dioxane	7.75	88	48977	318.675	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	759108	107.677	ug/l	99
52) Toluene	8.78	92	270583	19.694	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	135197	19.946	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	152794	20.544	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	116781	20.766	ug/l	98
56) Ethyl methacrylate	9.18	69	169462	21.320	ug/l	96
57) 1,3-Dichloropropane	9.37	76	182090	20.125	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	415110	98.247	ug/l	100
59) 2-Hexanone	9.49	43	575283	106.653	ug/l	99
60) Dibromochloromethane	9.58	129	107707	19.785	ug/l	97
61) 1,2-Dibromoethane	9.67	107	120262	20.117	ug/l	99
64) Tetrachloroethene	9.34	164	117410	19.474	ug/l	95
65) Chlorobenzene	10.14	112	313954	19.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	106462	21.184	ug/l	99
67) Ethyl Benzene	10.25	91	510401	19.391	ug/l	100
68) m/p-Xylenes	10.36	106	403458	38.845	ug/l	99
69) o-Xylene	10.69	106	199729	19.474	ug/l	97
70) Styrene	10.71	104	328180	20.225	ug/l	100
71) Bromoform	10.86	173	77115	19.954	ug/l #	99
73) Isopropylbenzene	11.02	105	516078	19.704	ug/l	98
74) N-amyl acetate	10.90	43	214032	22.830	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	170560	21.897	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	160156m	22.510	ug/l	
77) Bromobenzene	11.26	156	147047	20.767	ug/l	98
78) n-propylbenzene	11.36	91	558340	19.359	ug/l	100
79) 2-Chlorotoluene	11.42	91	342971	19.622	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	409867	18.999	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	39406	19.661	ug/l	90
82) 4-Chlorotoluene	11.51	91	396588	19.781	ug/l	100
83) tert-Butylbenzene	11.77	119	401627	18.602	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	425567	18.755	ug/l	100
85) sec-Butylbenzene	11.94	105	473044	17.870	ug/l	100
86) p-Isopropyltoluene	12.06	119	421229	18.102	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	254852	19.970	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	255599	19.538	ug/l	99
89) n-Butylbenzene	12.38	91	340410	17.189	ug/l	99
90) Hexachloroethane	12.60	117	55801	17.606	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	252455	19.776	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30483	18.913	ug/l	97

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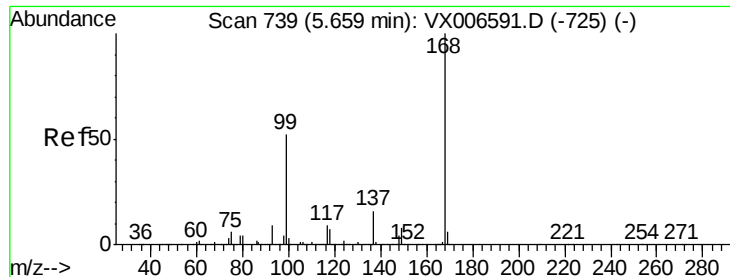
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	155561	17.665	ug/l	99
94) Hexachlorobutadiene	13.78	225	61082	14.716	ug/l	99
95) Naphthalene	13.83	128	482183	17.156	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	154793	17.025	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion:168 Resp: 568999

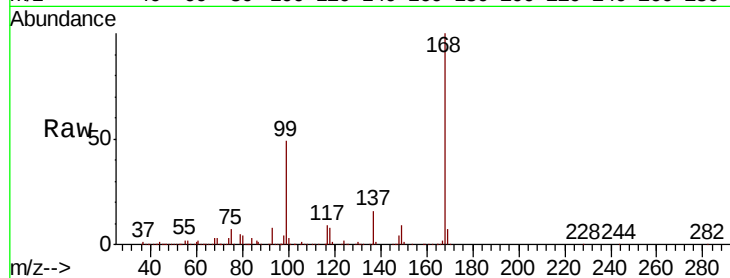
Ion Ratio Lower Upper

168 100

99 48.8 41.8 62.8

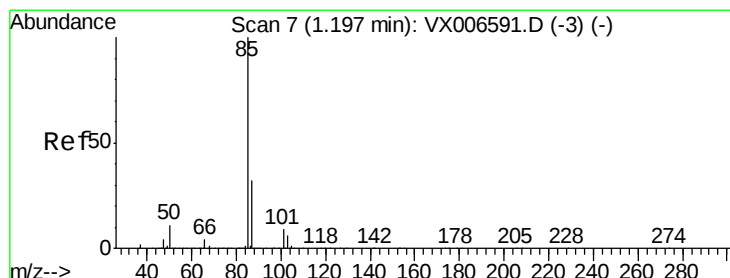
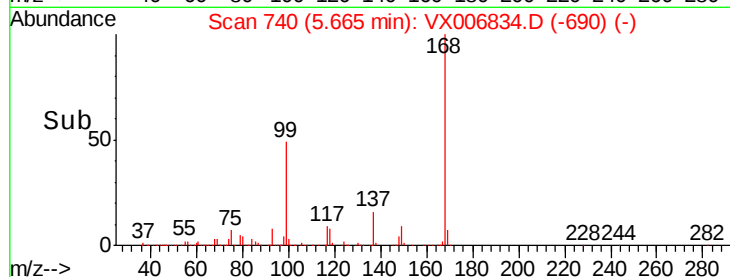
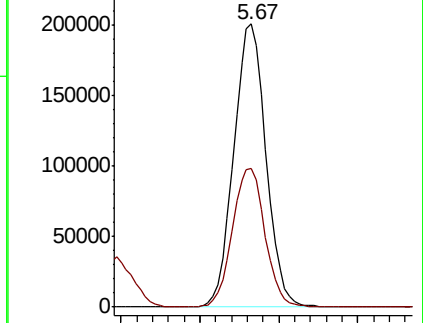
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.138 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006834.D

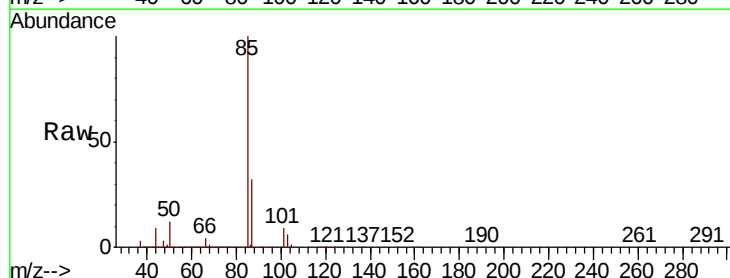
Acq: 27 Dec 2018 11:36

Tgt Ion: 85 Resp: 89210

Ion Ratio Lower Upper

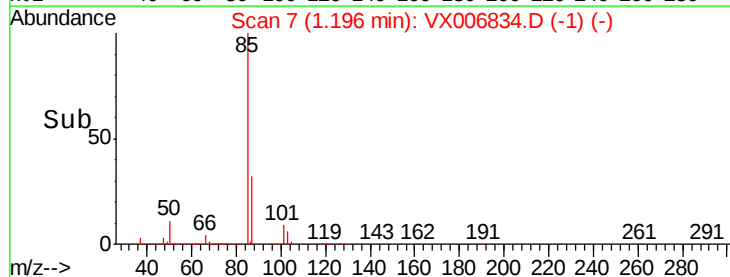
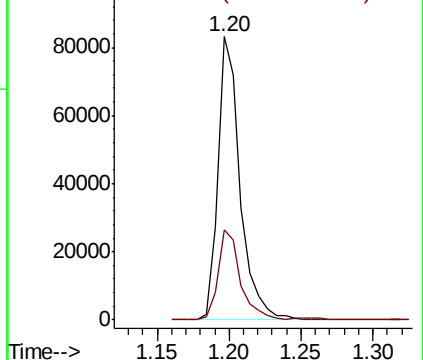
85 100

87 32.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.033 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 50 Resp: 101126

Ion Ratio Lower Upper

50 100

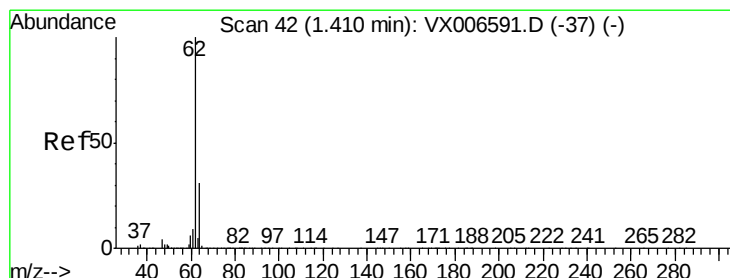
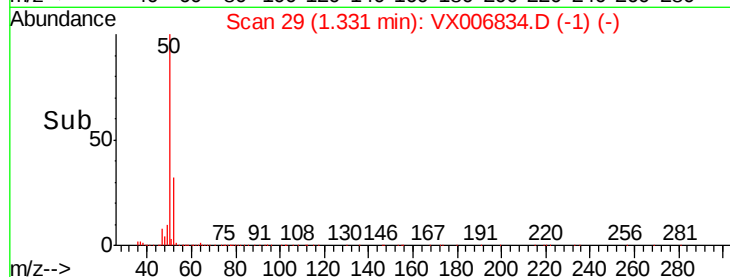
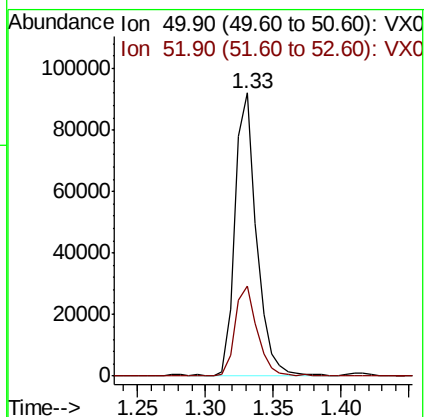
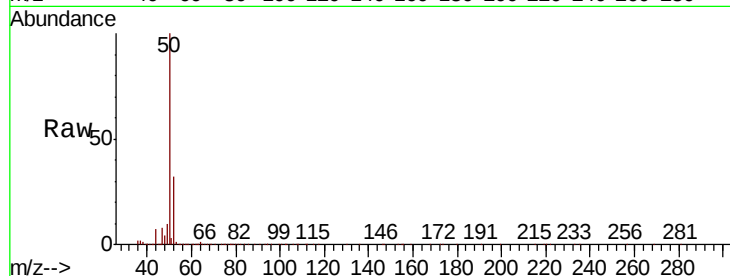
52 31.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.704 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006834.D

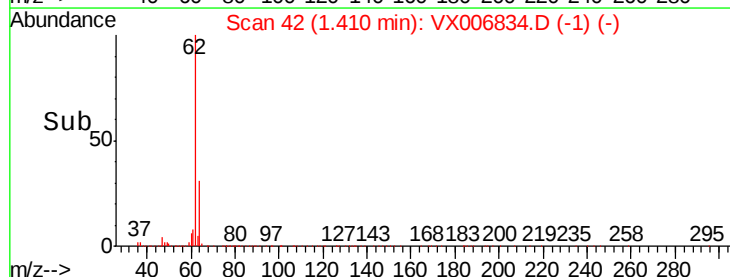
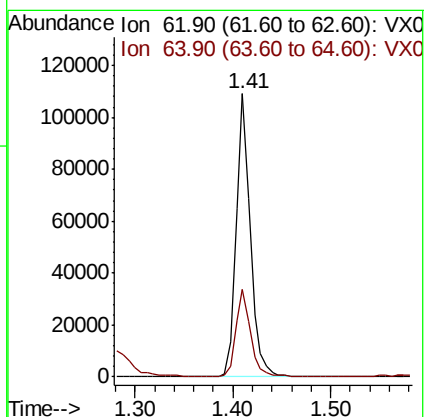
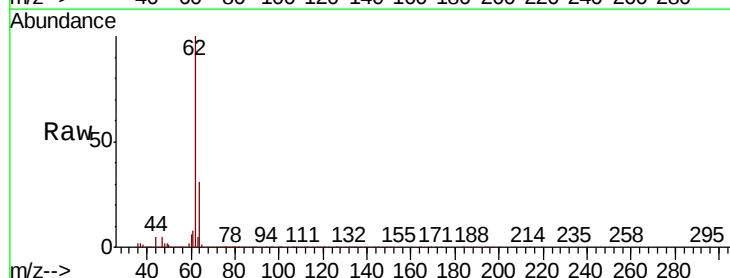
Acq: 27 Dec 2018 11:36

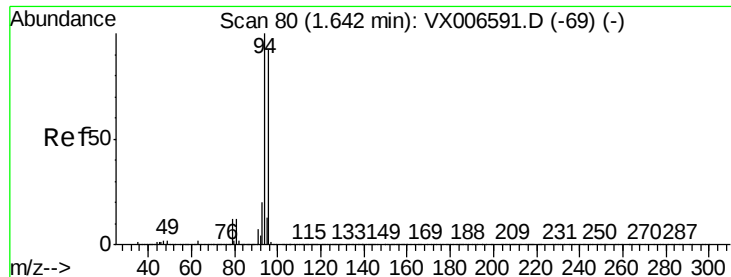
Tgt Ion: 62 Resp: 109552

Ion Ratio Lower Upper

62 100

64 30.9 25.1 37.7





#5

Bromomethane

Concen: 17.474 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 94 Resp: 102325

Ion Ratio Lower Upper

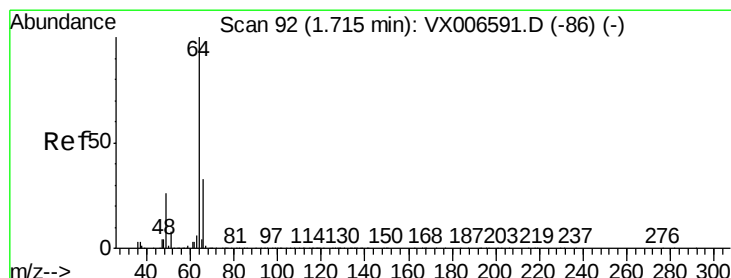
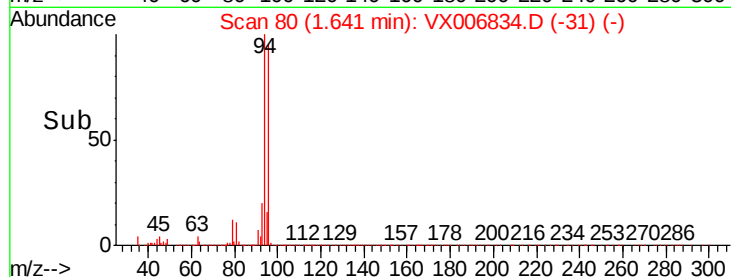
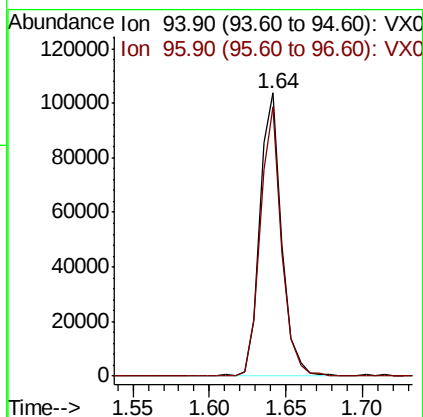
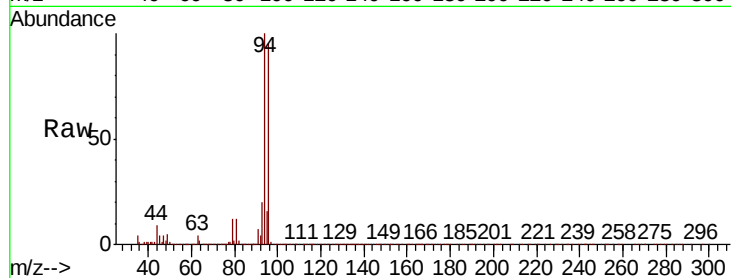
94 100

96 95.3 73.4 110.2

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#6

Chloroethane

Concen: 17.639 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006834.D

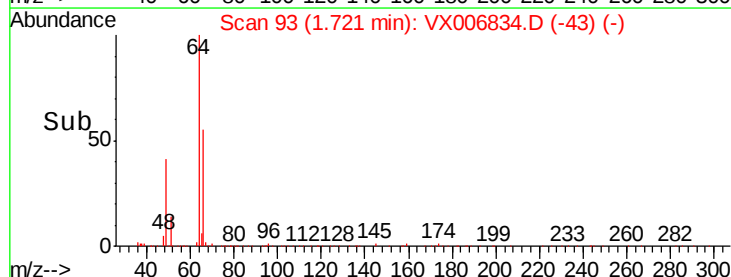
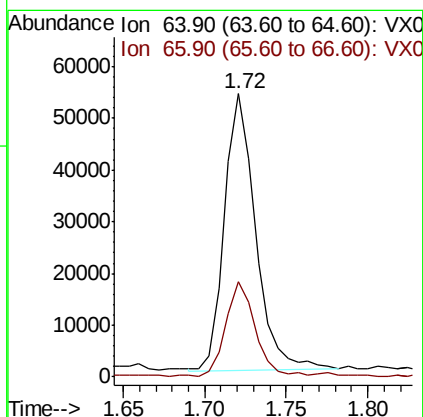
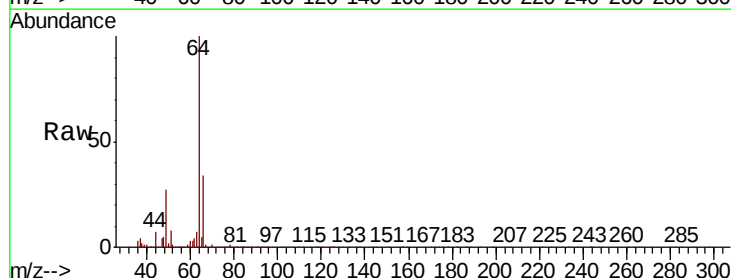
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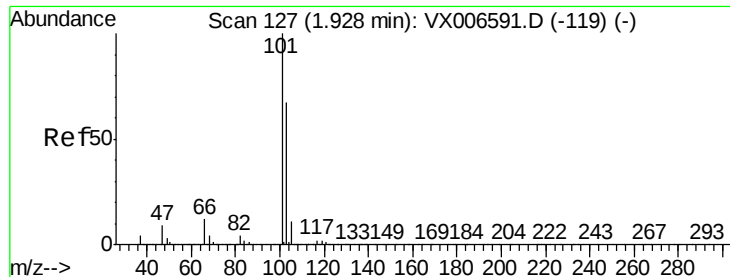
Tgt Ion: 64 Resp: 71533

Ion Ratio Lower Upper

64 100

66 33.9 26.4 39.6





#7

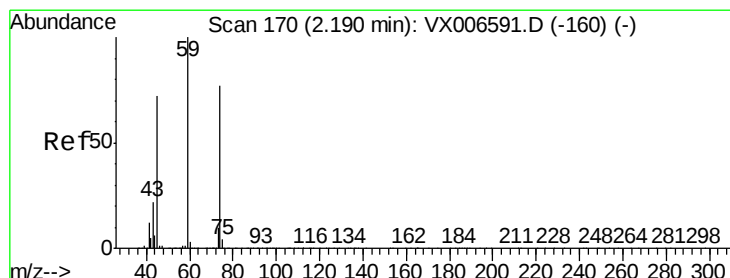
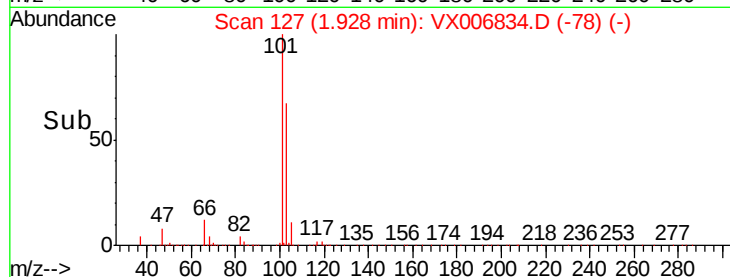
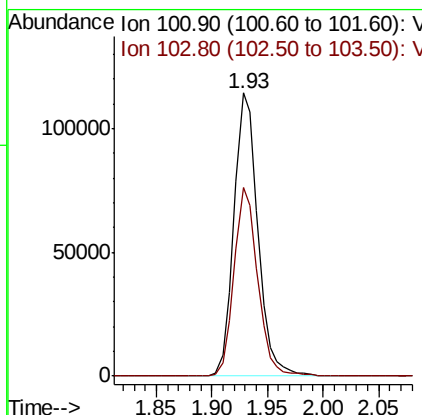
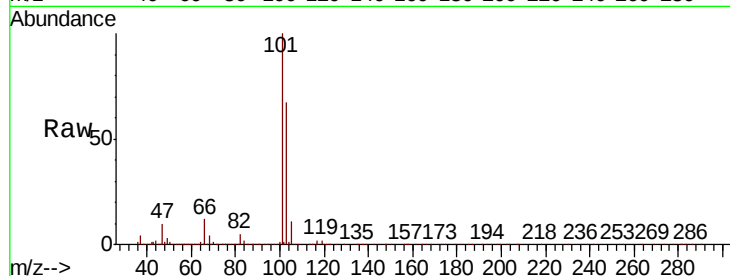
Trichlorofluoromethane
Concen: 18.745 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

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ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	53.2	79.8

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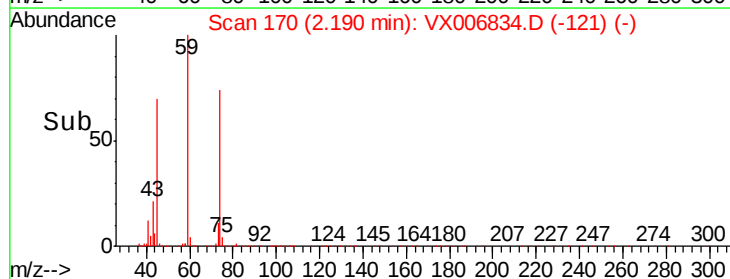
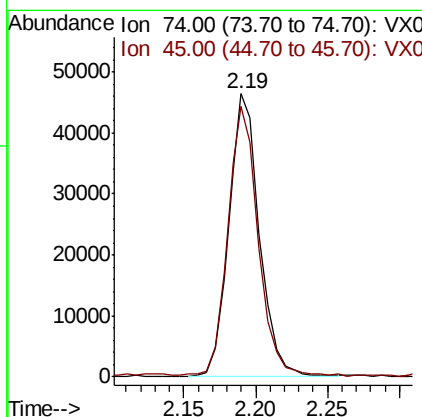
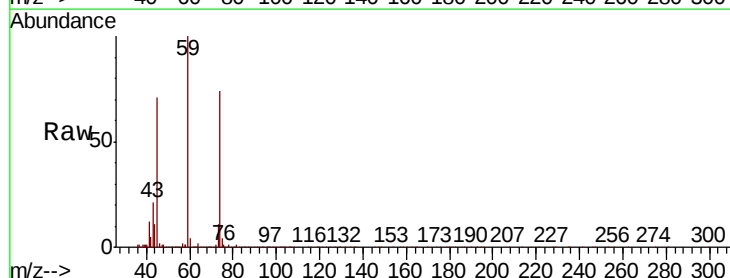
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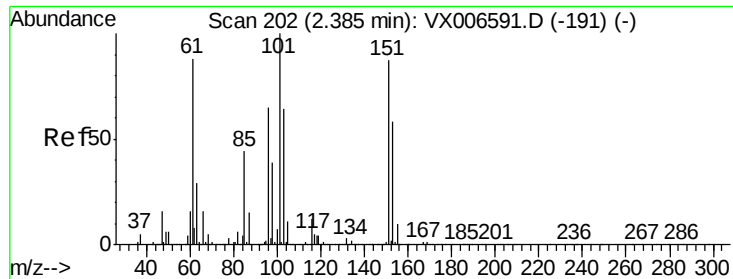


#8

Diethyl Ether
Concen: 19.041 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.644 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

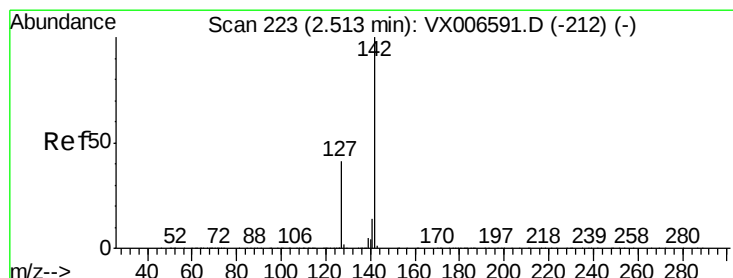
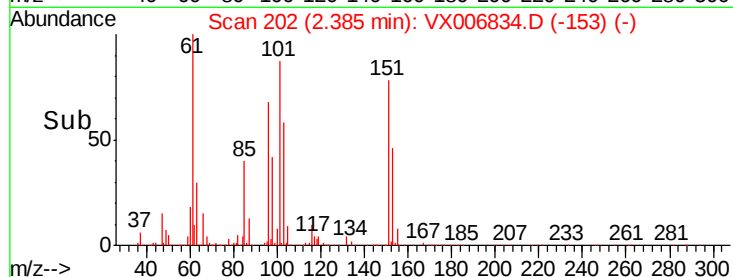
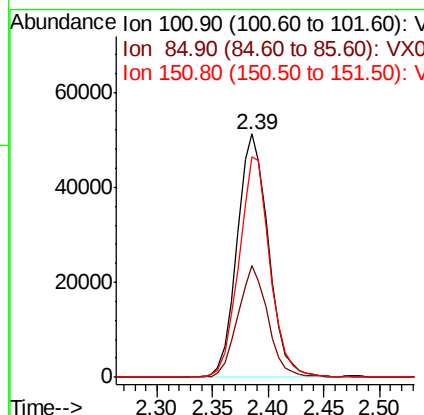
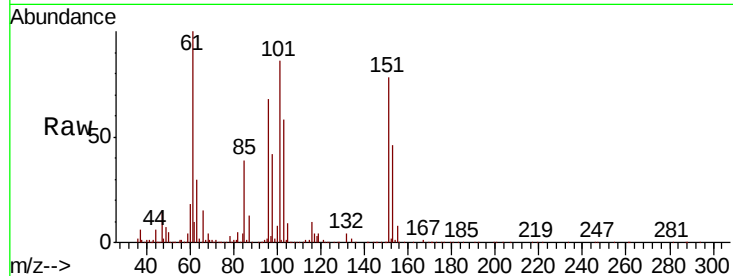
ClientSampleId :

VX1227WBS01

Tot Ion:	101	Resp:	99962
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.1	52.7
151	89.7	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 16.777 ug/l

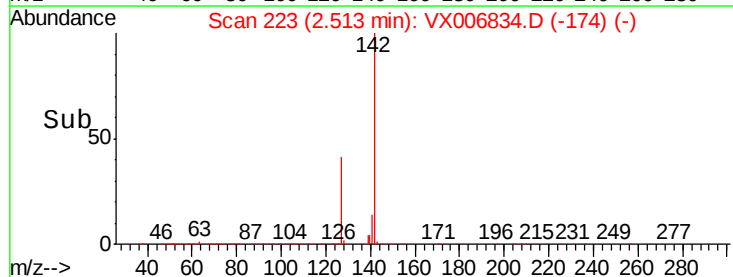
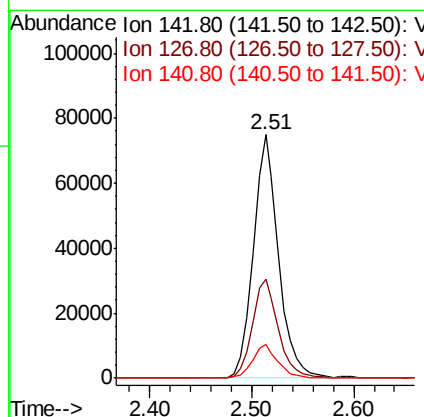
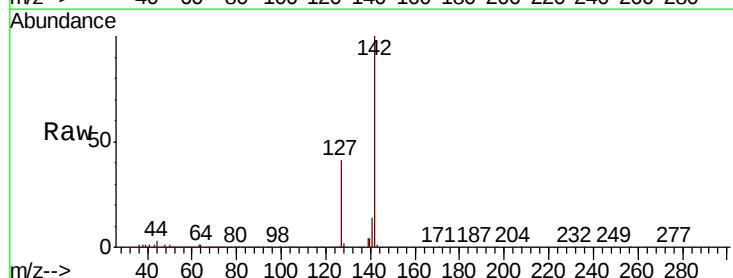
RT: 2.51 min Scan# 223

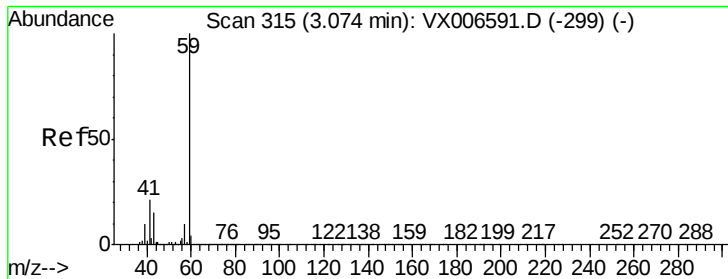
Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion:	142	Resp:	128758
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.9	50.9
141	14.1	11.4	17.0





#11

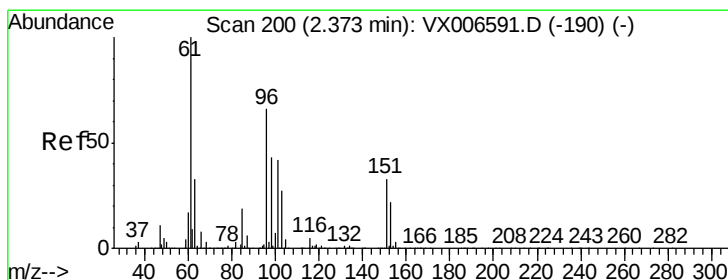
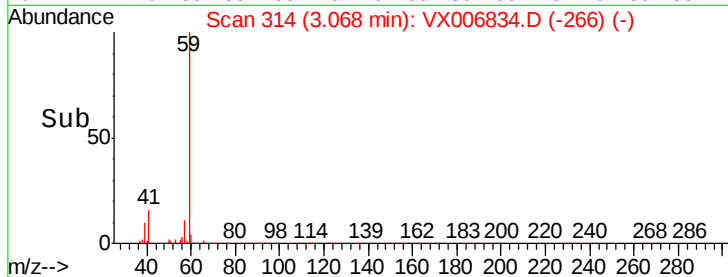
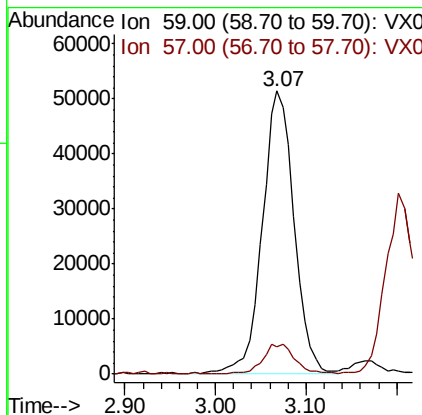
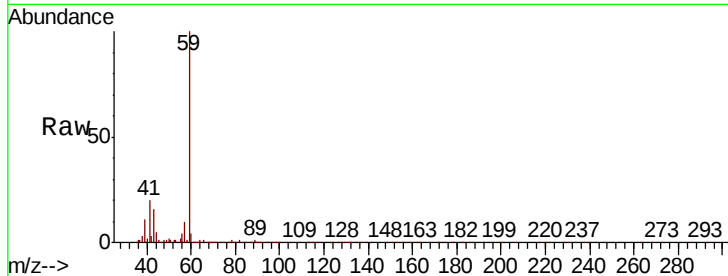
Tert butyl alcohol
Concen: 90.477 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

Manual Integrations
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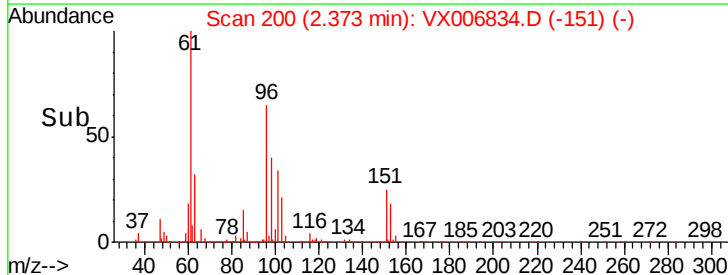
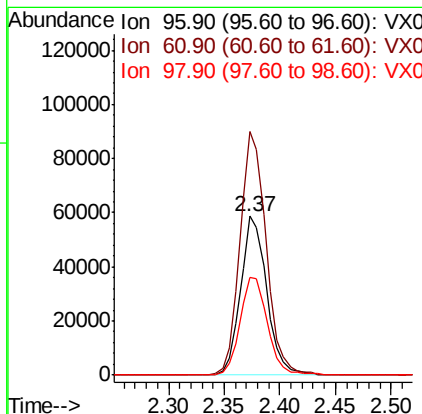
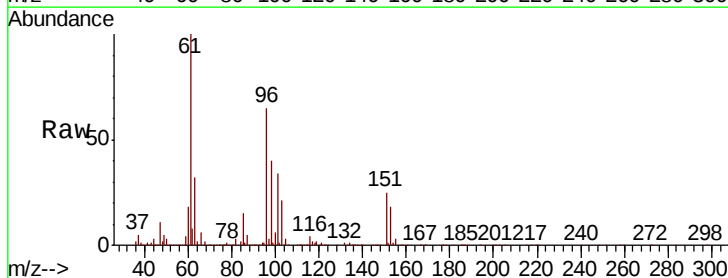
MMDadoda
12/28/2018 10:28:01 AM

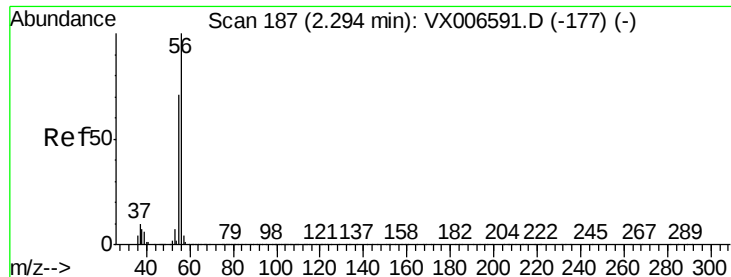


#12

1,1-Dichloroethene
Concen: 18.819 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	121.4	182.2
98	61.3	51.9	77.9





#13

Acrolein

Concen: 95.624 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 56 Resp: 88286

Ion Ratio Lower Upper

56 100

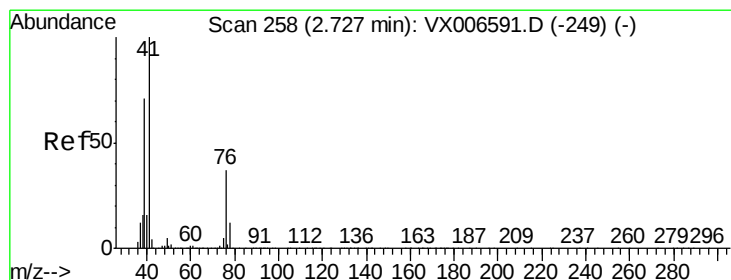
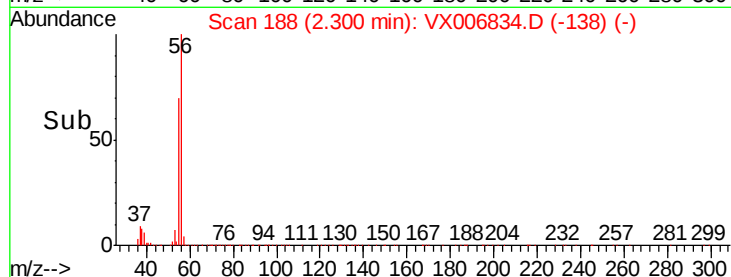
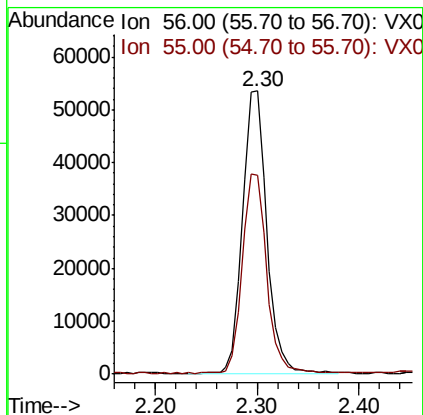
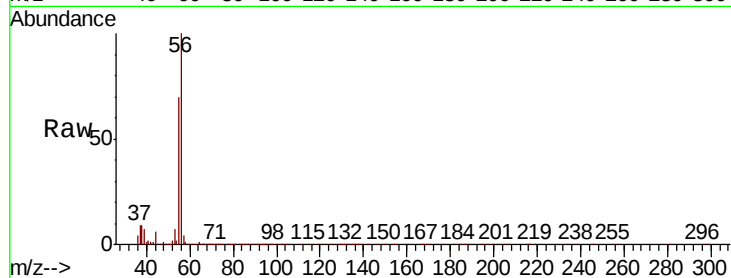
55 72.3 58.2 87.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.270 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

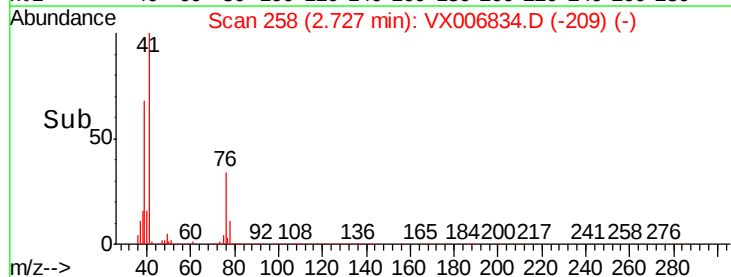
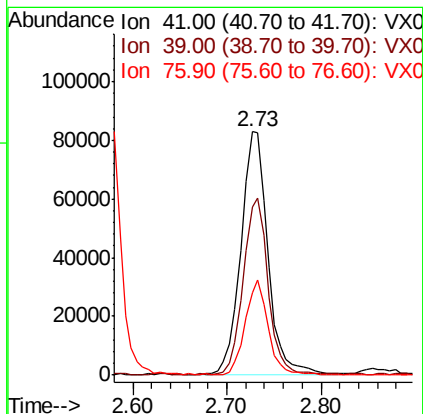
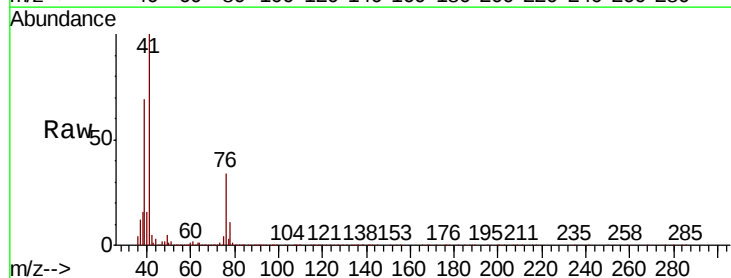
Tgt Ion: 41 Resp: 164900

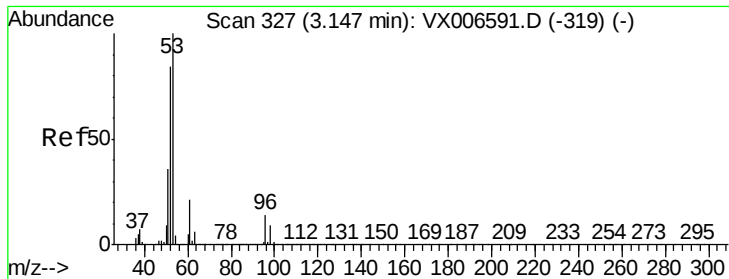
Ion Ratio Lower Upper

41 100

39 67.0 53.6 80.4

76 33.2 27.4 41.2





#15

Acrylonitrile

Concen: 100.573 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

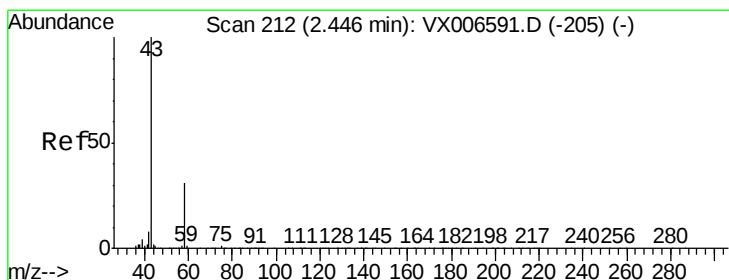
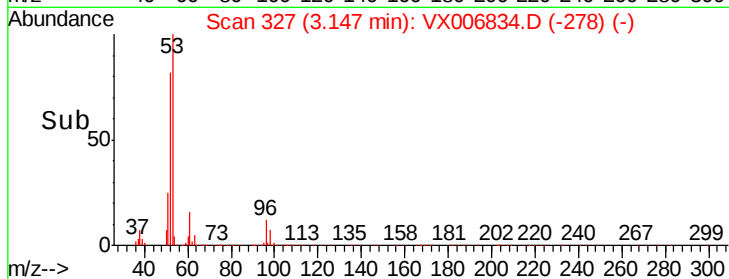
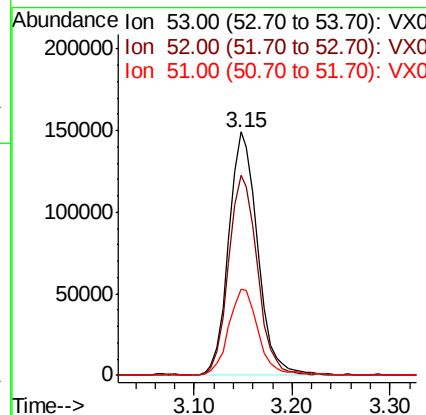
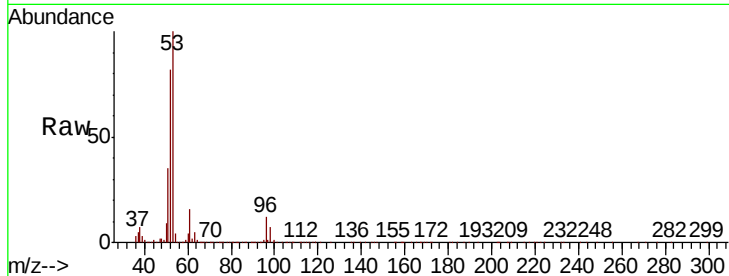
ClientSampleId :

VX1227WBS01

Tot Ion:	53	Resp:	305611
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.0	99.0
51	36.2	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 98.609 ug/l

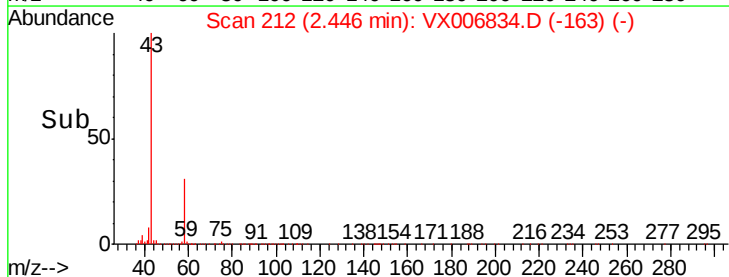
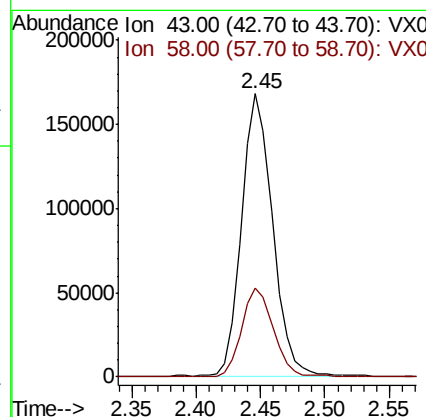
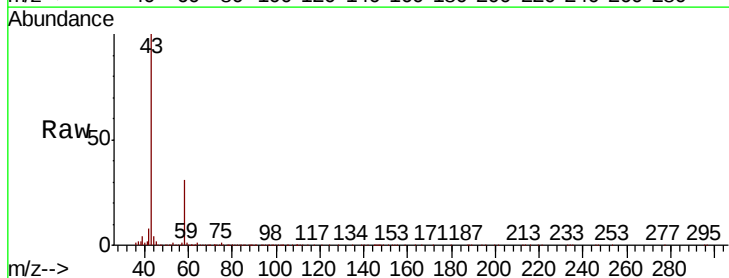
RT: 2.45 min Scan# 212

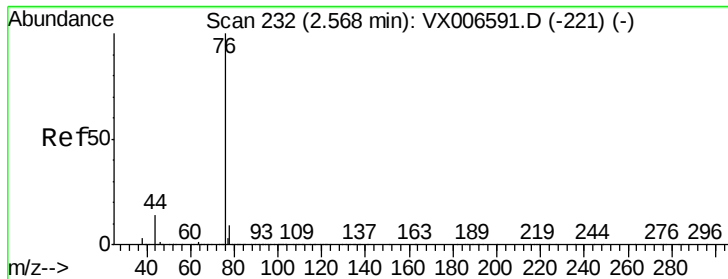
Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion:	43	Resp:	277823
Ion Ratio		Lower	Upper
43	100		
58	31.4	25.0	37.6





#17

Carbon Disulfide

Concen: 15.115 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 76 Resp: 203359

Ion Ratio Lower Upper

76 100

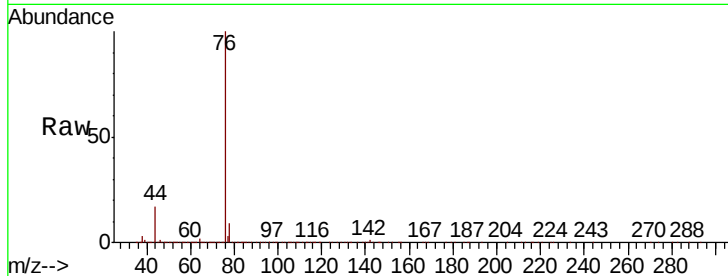
78 9.1 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

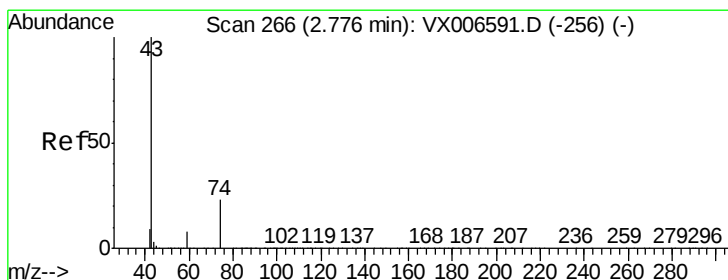
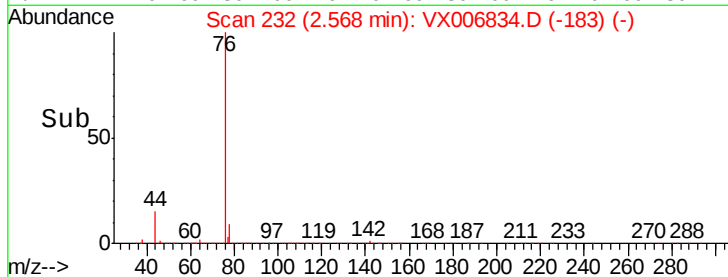
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.353 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006834.D

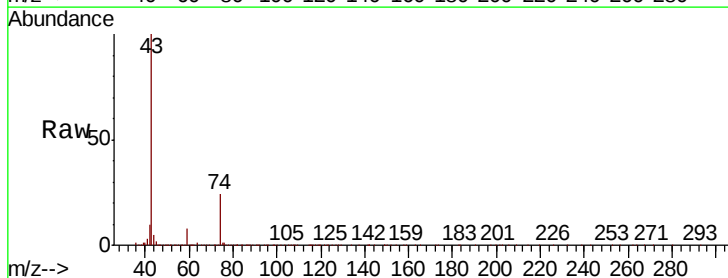
Acq: 27 Dec 2018 11:36

Tgt Ion: 43 Resp: 176900

Ion Ratio Lower Upper

43 100

74 25.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

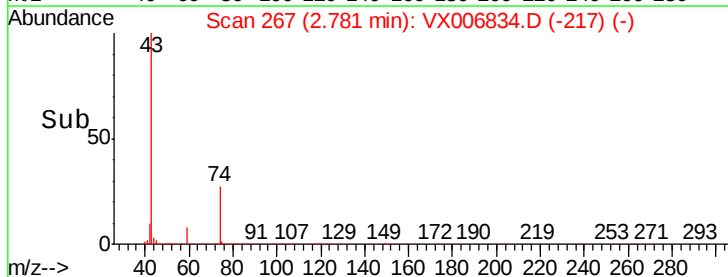
60000

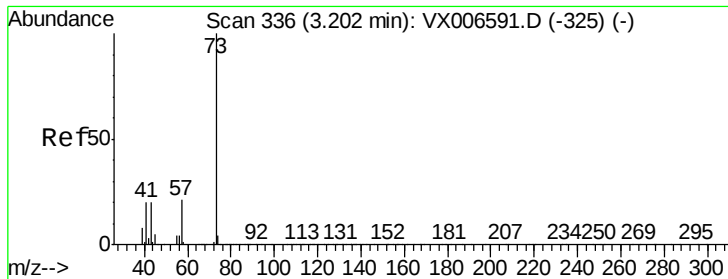
40000

20000

0

Time-->





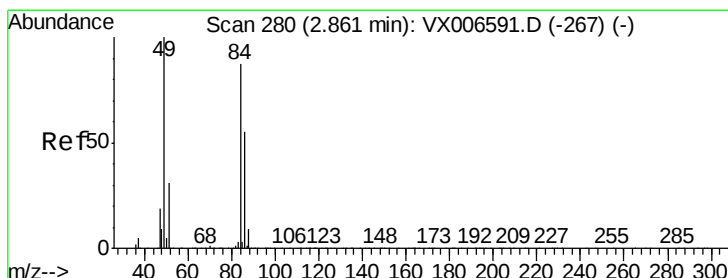
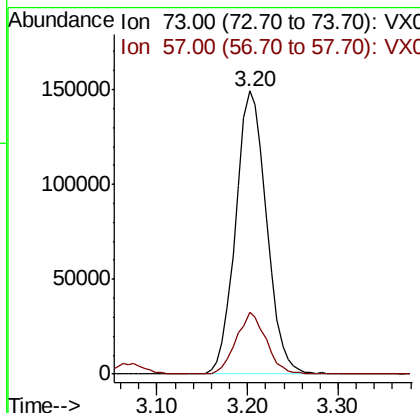
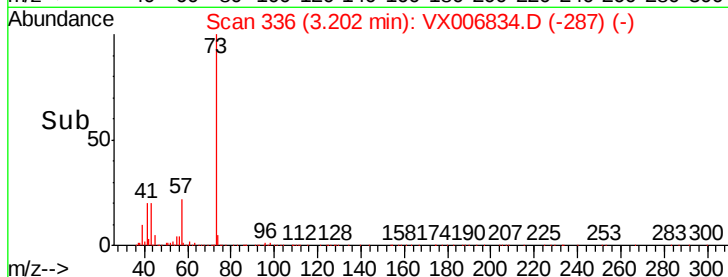
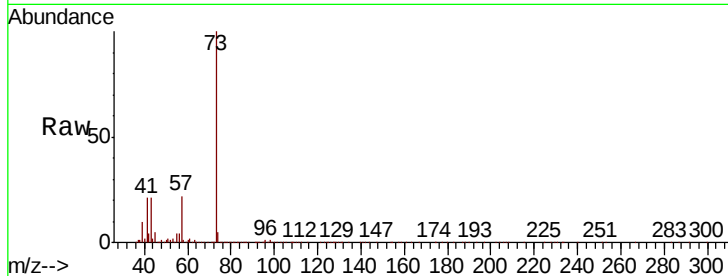
#19
Methvl tert-butvl Ether
Concen: 20.835 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.8	25.2

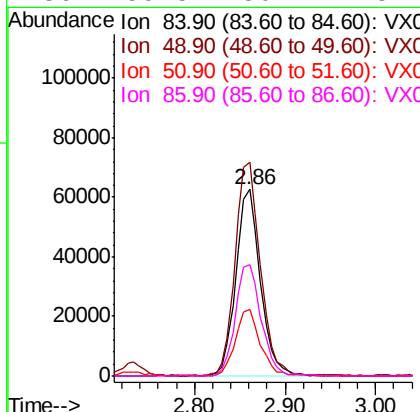
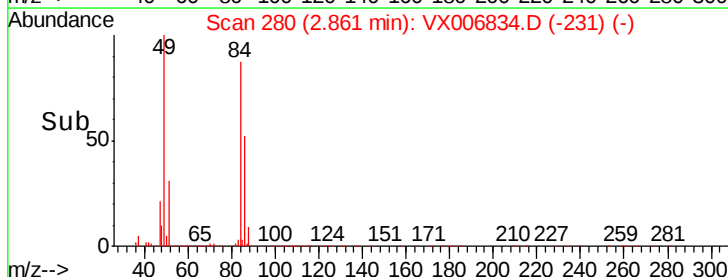
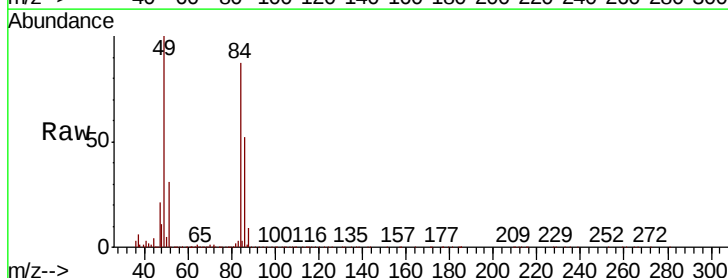
Manual Integrations
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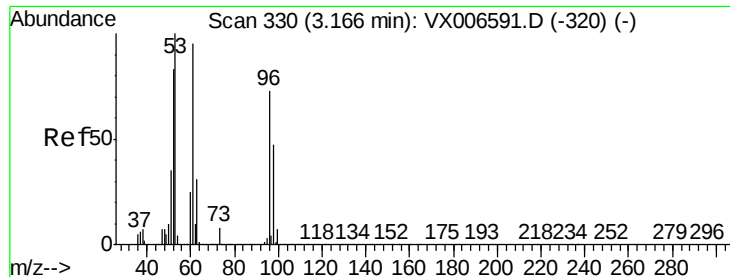
MMDadoda
12/28/2018 10:28:01 AM



#20
Methylene Chloride
Concen: 20.166 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.3	91.8	137.6
51	34.8	28.5	42.7
86	59.5	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.049 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

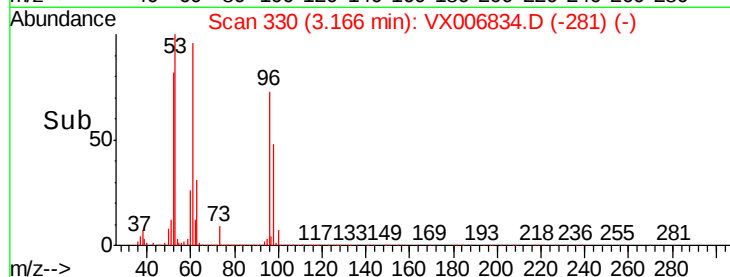
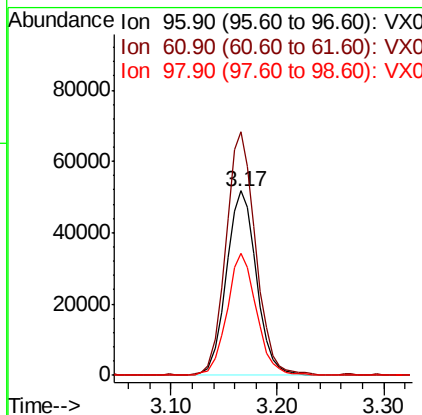
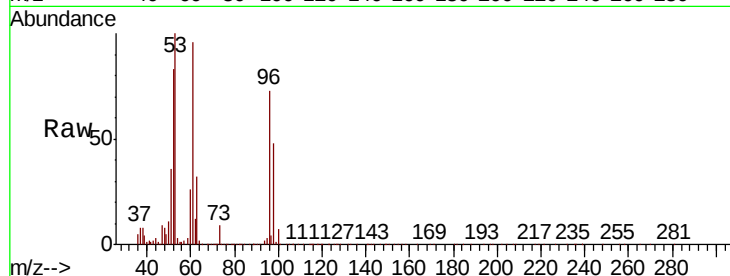
ClientSampleId :

VX1227WBS01

Tot Ion:	96	Resp:	101670
Ion Ratio	Lower	Upper	
96	100		
61	132.1	103.7	155.5
98	66.3	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.074 ug/l

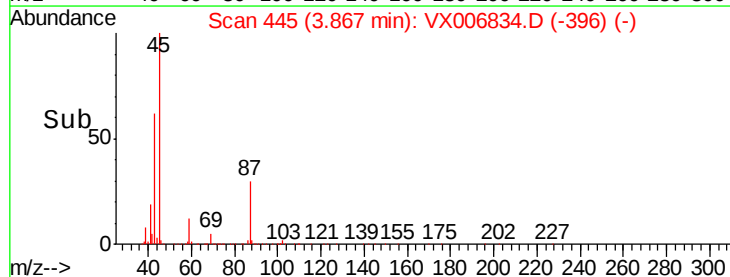
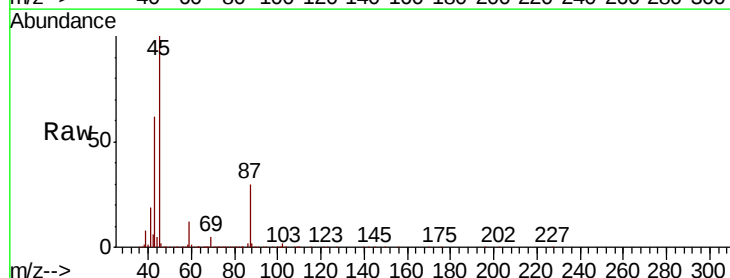
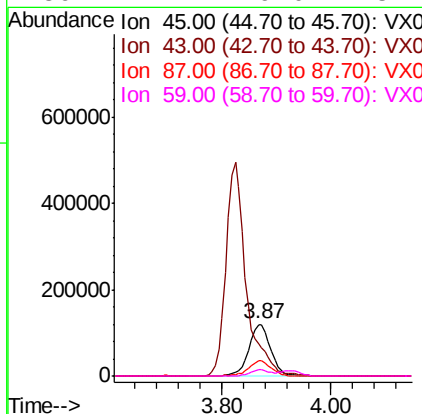
RT: 3.87 min Scan# 445

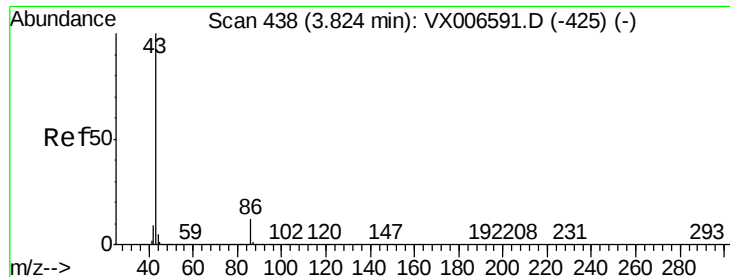
Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion:	45	Resp:	329919
Ion Ratio	Lower	Upper	
45	100		
43	62.3	51.2	76.8
87	30.2	25.8	38.6
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 100.099 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 43 Resp: 1281799

Ion Ratio Lower Upper

43 100

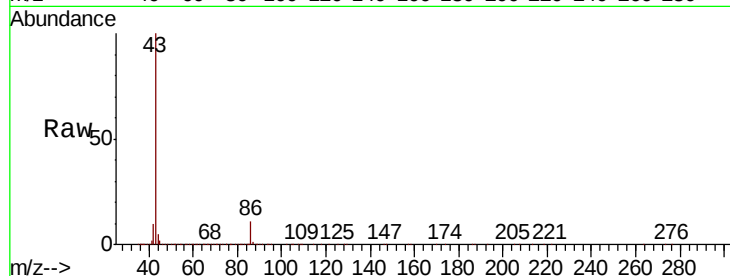
86 10.9 9.2 13.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

500000

400000

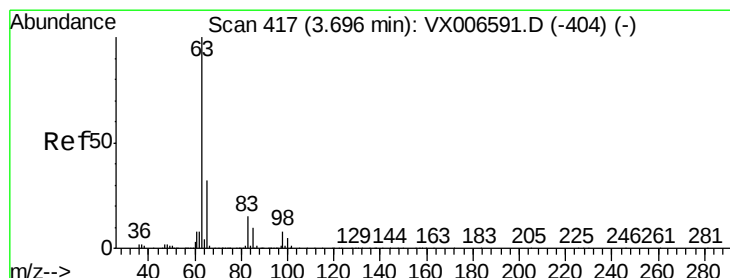
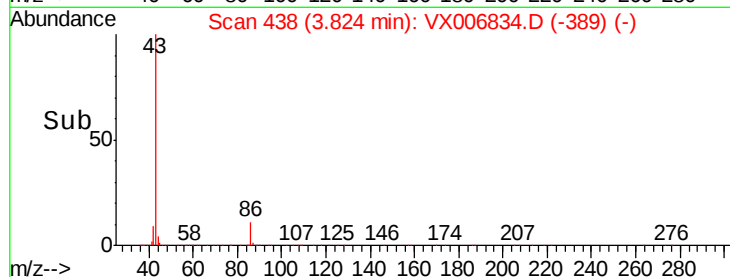
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.065 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

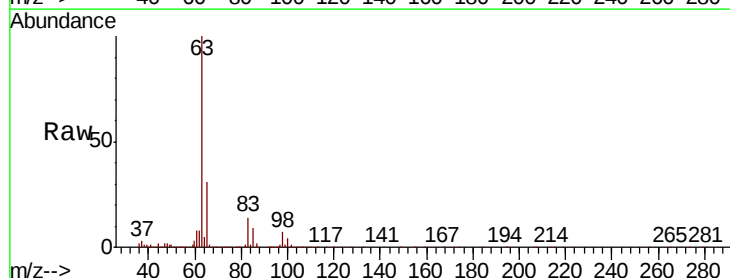
Tgt Ion: 63 Resp: 178171

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 4.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

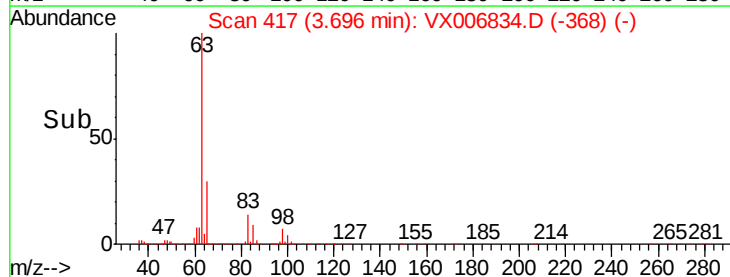
60000

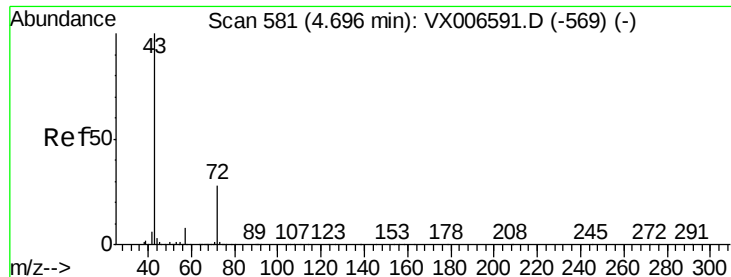
40000

20000

0

Time-->





#25

2-Butanone

Concen: 96.818 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 43 Resp: 383694

Ion Ratio Lower Upper

43 100

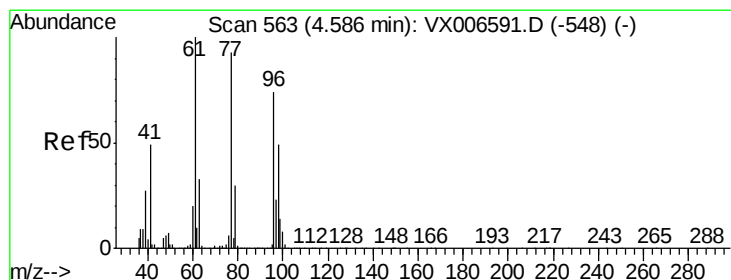
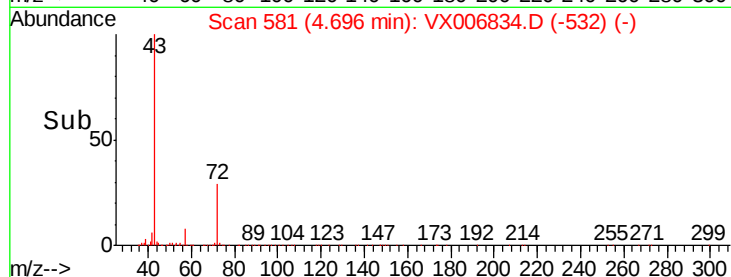
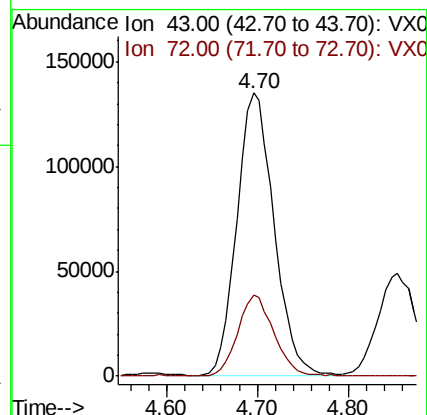
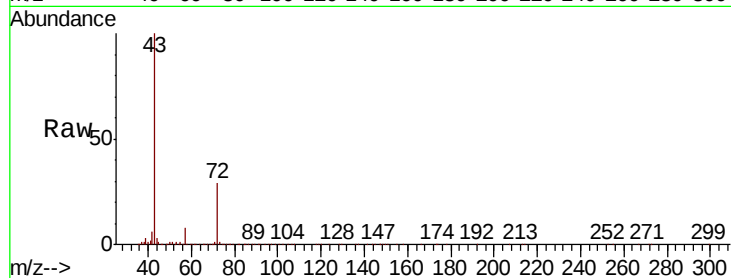
72 28.6 22.4 33.6

Manual Integrations

APPROVED

MMDadoda

12/28/2018 10:28:01 AM



#26

2,2-Dichloropropane

Concen: 18.767 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006834.D

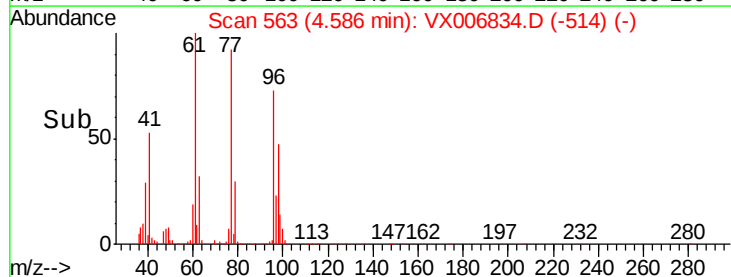
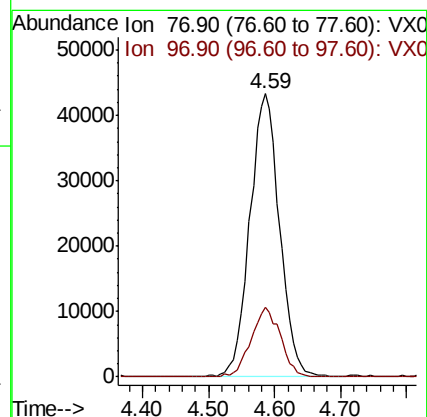
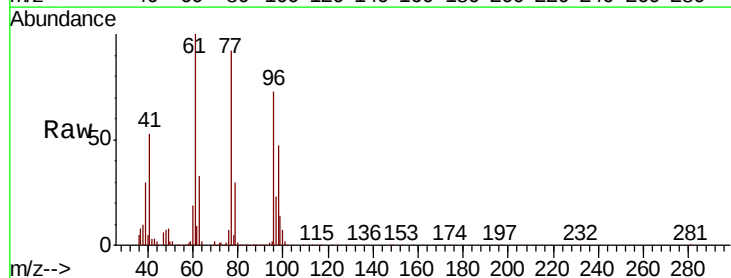
Acq: 27 Dec 2018 11:36

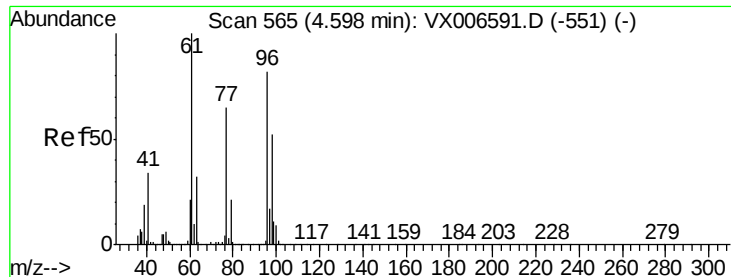
Tgt Ion: 77 Resp: 135481

Ion Ratio Lower Upper

77 100

97 24.3 12.4 37.4





#27

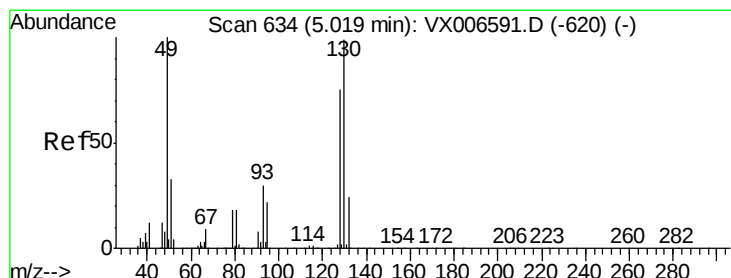
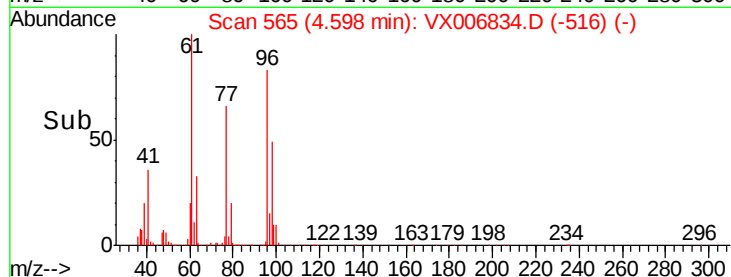
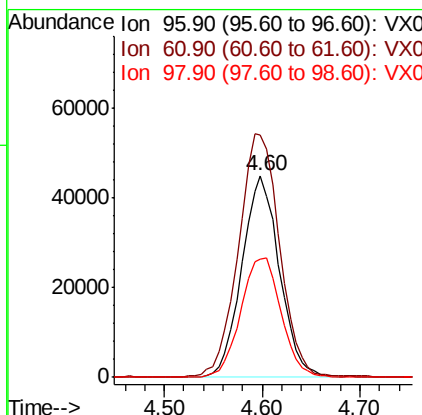
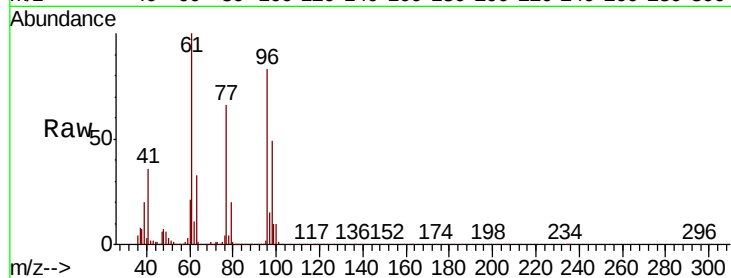
cis-1,2-Dichloroethene
Concen: 19.329 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	120129		
61	132.5	0.0	258.6	
98	64.1	0.0	132.0	

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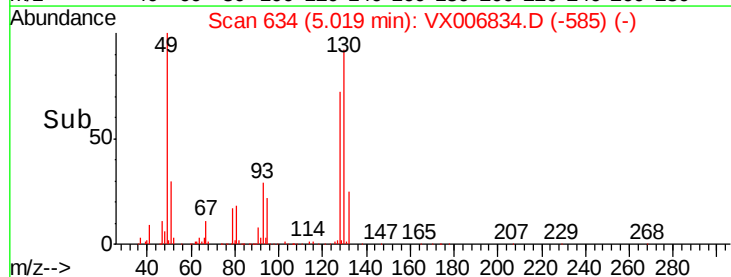
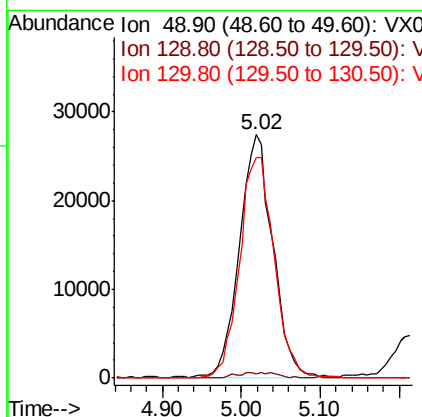
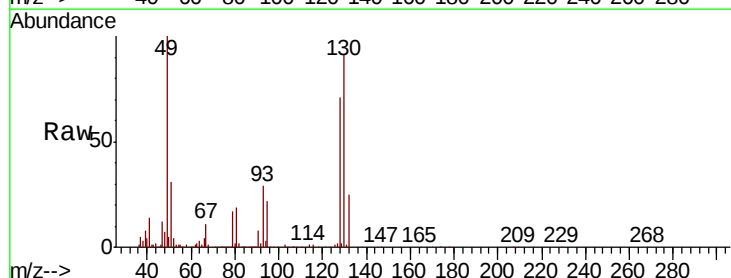
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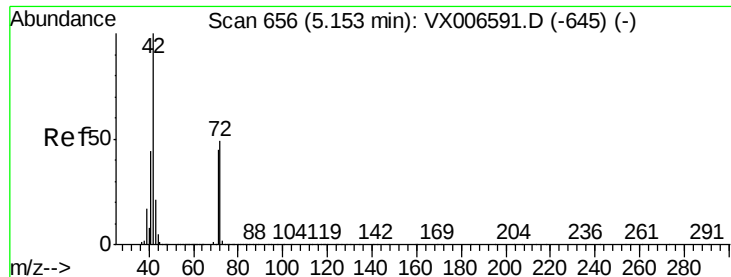


#28

Bromochloromethane
Concen: 19.325 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80611		
129	1.8	0.0	5.4	
130	93.8	77.7	116.5	





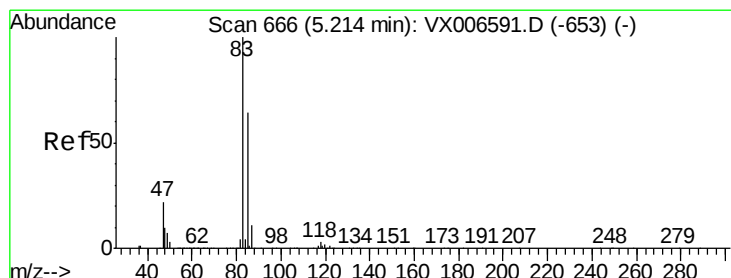
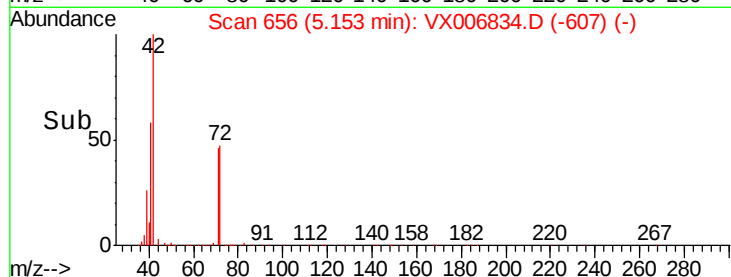
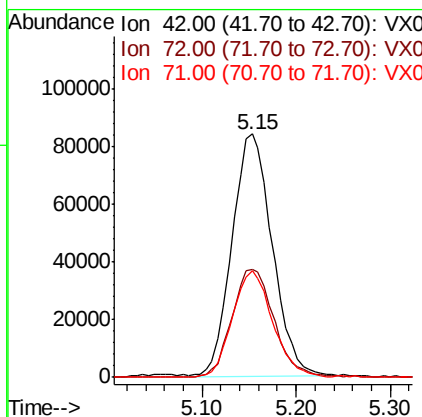
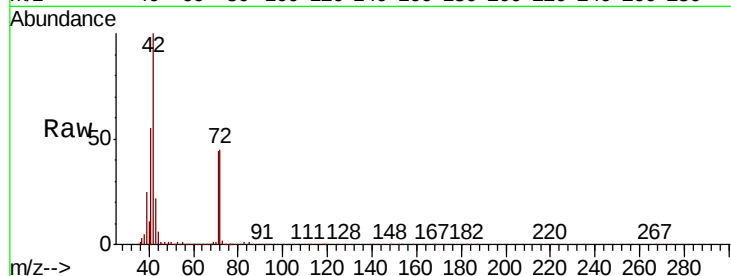
#29
Tetrahydrofuran
Concen: 95.720 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	38.9	58.3
71	44.1	36.2	54.4

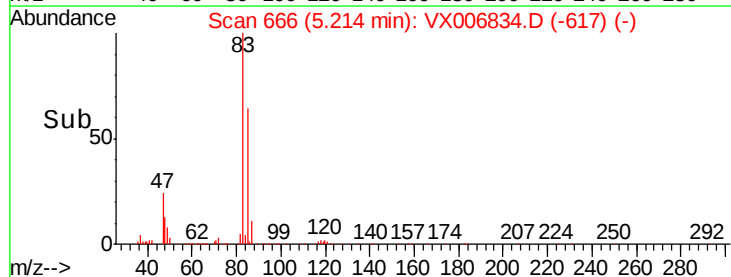
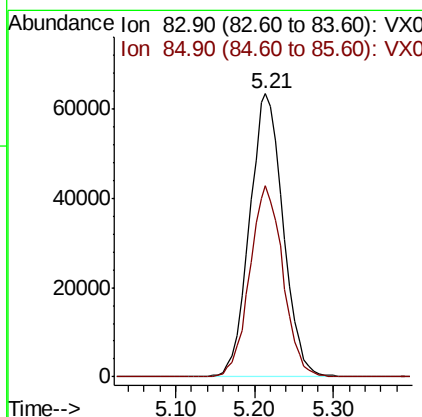
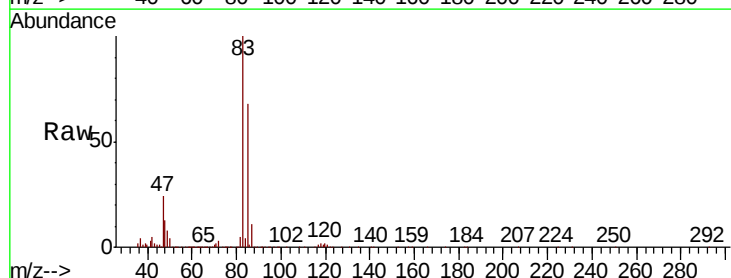
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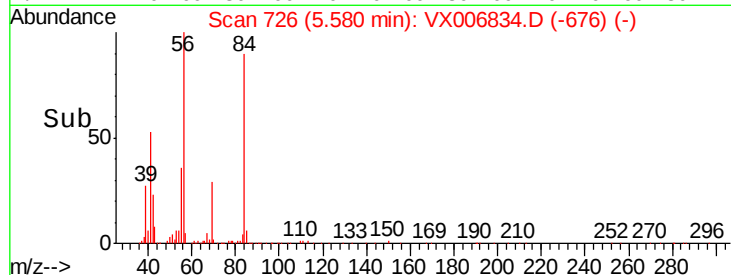
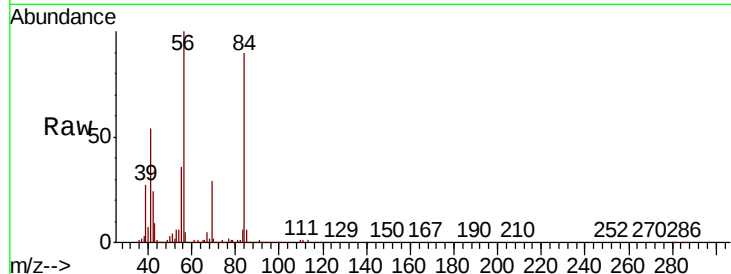
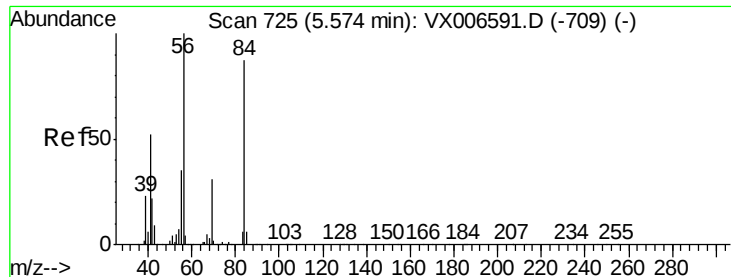
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#30
Chloroform
Concen: 19.404 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.2	76.8





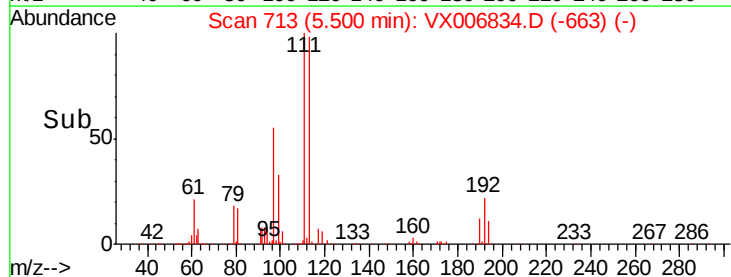
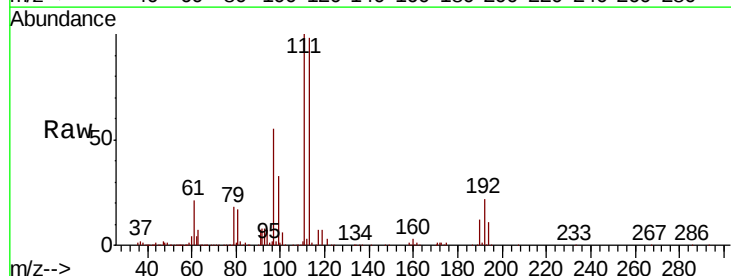
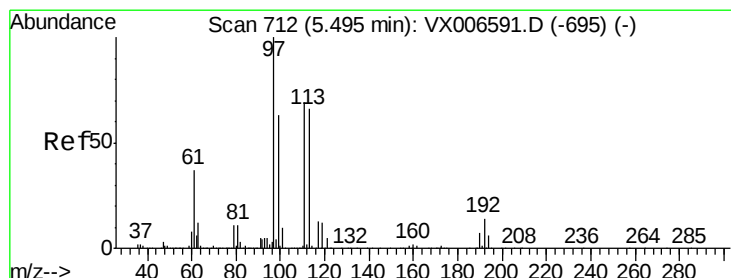
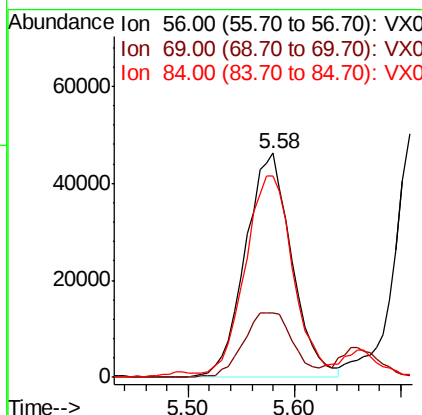
#31
Cvclohexane
Concen: 16.592 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	24.4	36.6
84	87.8	70.0	105.0

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

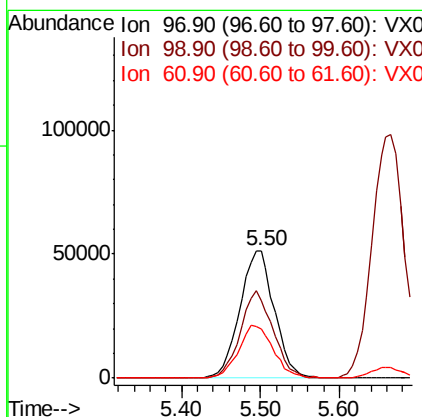
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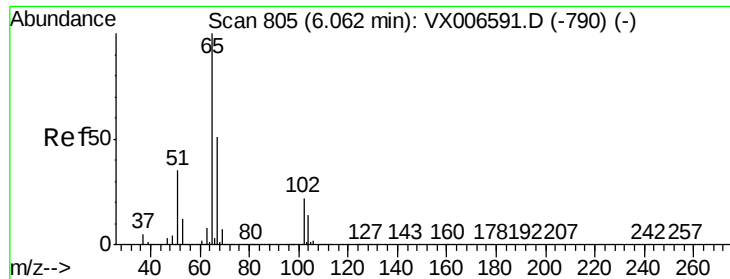
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.078 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.7	77.5
61	42.0	31.3	46.9





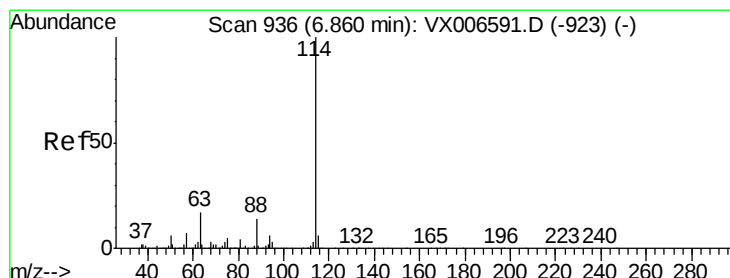
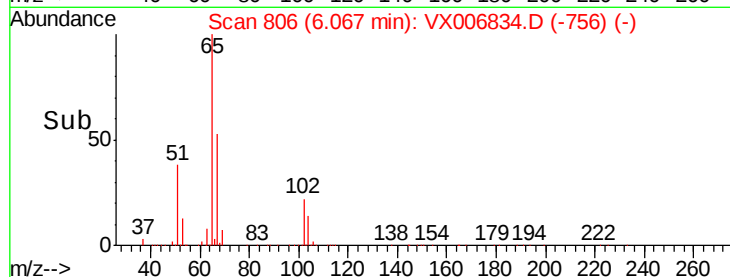
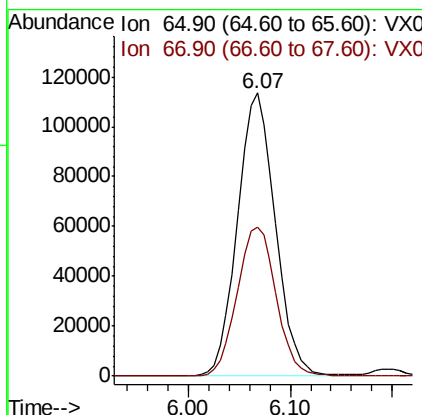
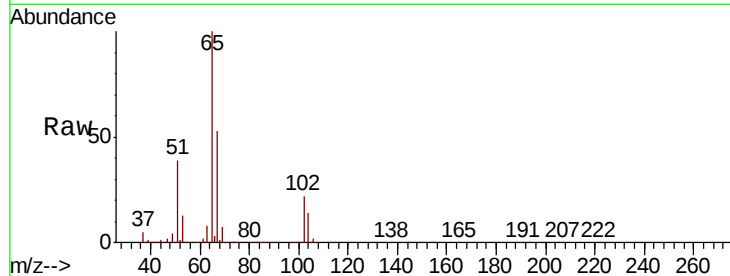
#33
 1,2-Dichloroethane-d4
 Concen: 47.704 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.0

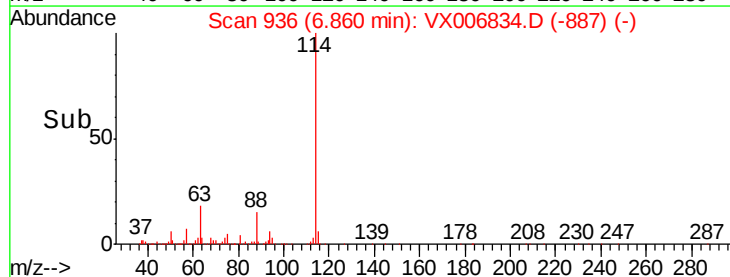
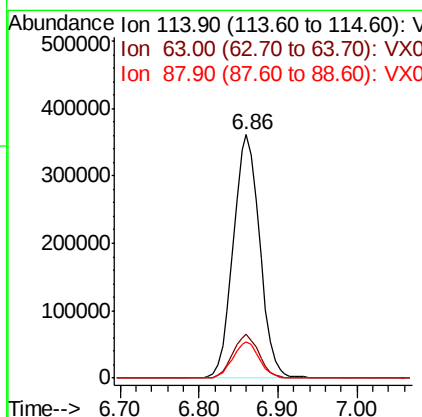
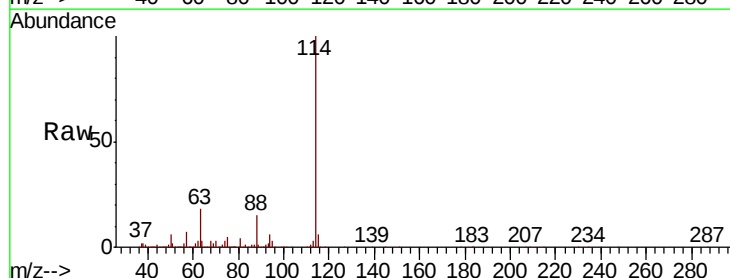
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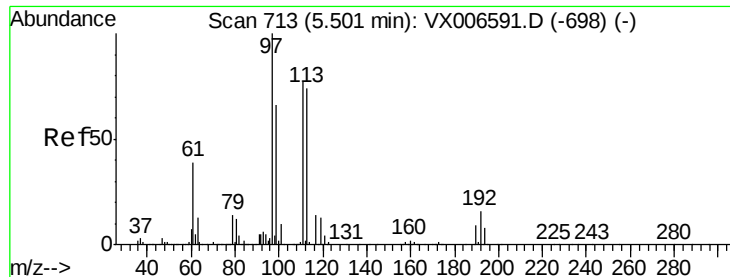
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 12/28/2018 10:28:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	34.8
88	14.9	0.0	28.8





#35

Dibromofluoromethane

Concen: 49.278 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

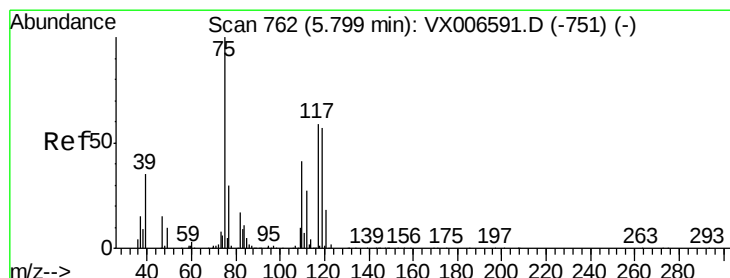
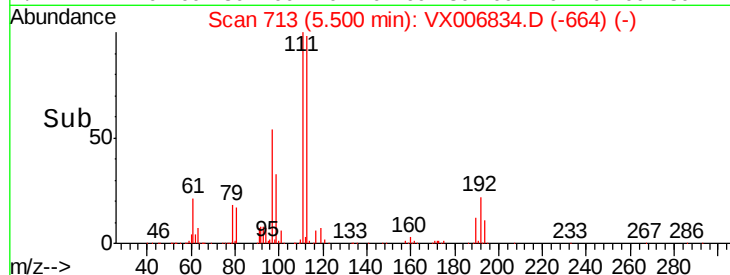
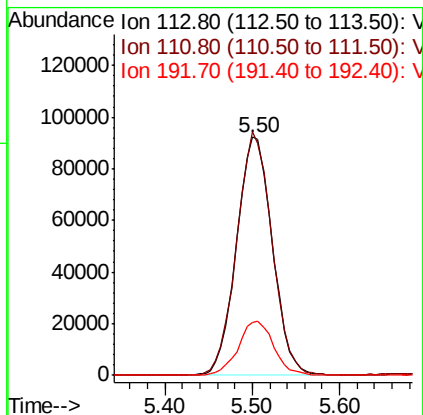
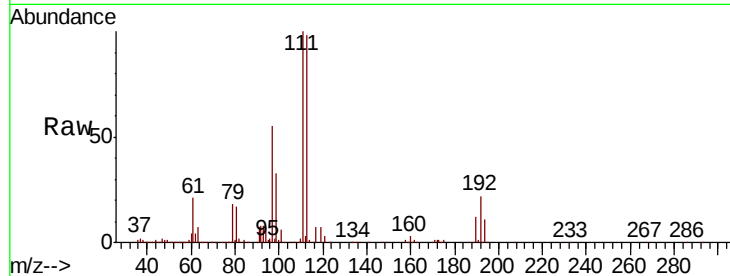
ClientSampleId :

VX1227WBS01

Tot Ion:	113	Resp:	263245
Ion Ratio	Lower	Upper	
113	100		
111	100.5	81.6	122.4
192	22.4	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.839 ug/l

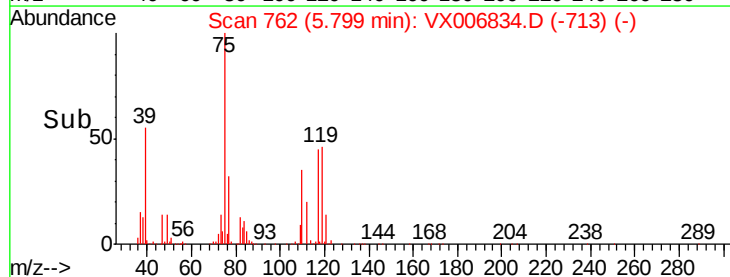
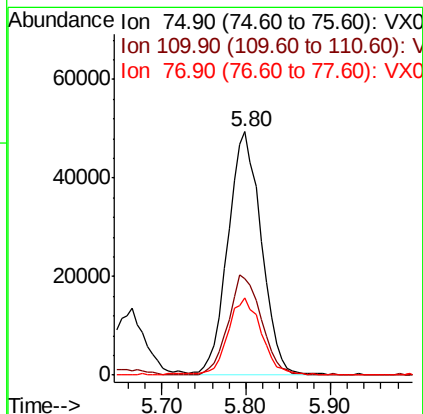
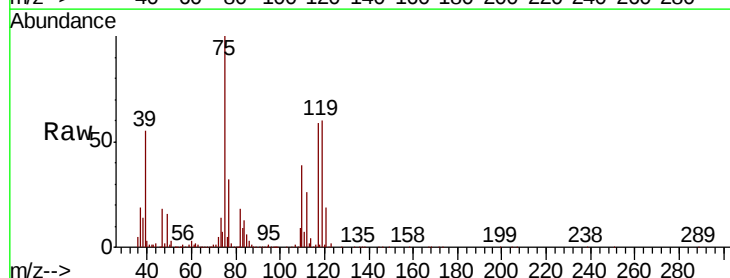
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion:	75	Resp:	131807
Ion Ratio	Lower	Upper	
75	100		
110	40.8	20.2	60.5
77	31.9	24.8	37.2





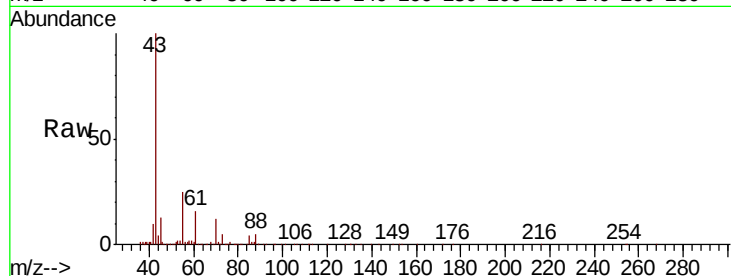
#37
Ethyl Acetate
Concen: 19.960 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	12.3	9.7	14.5

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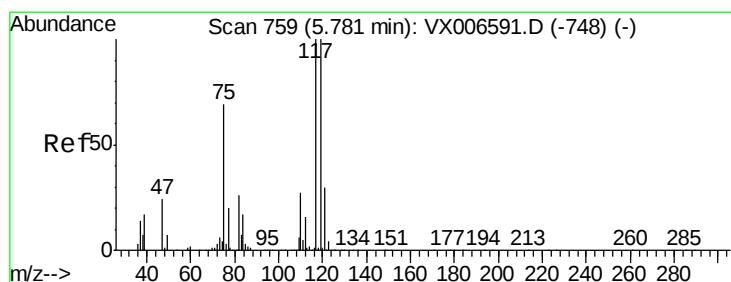
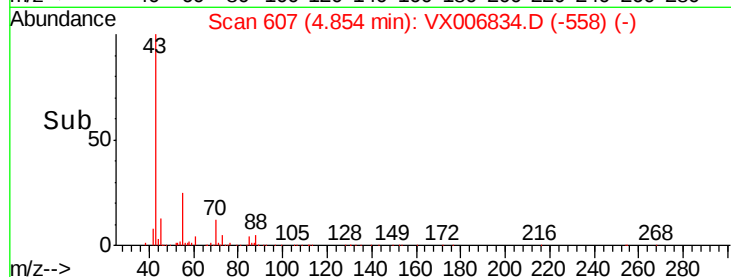
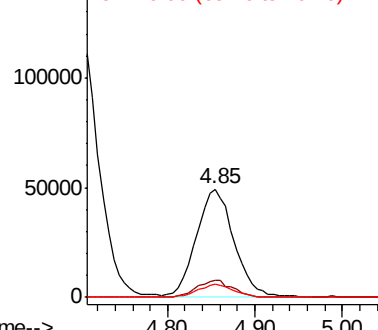


Abundance

Ion 43.00 (42.70 to 43.70): VX0

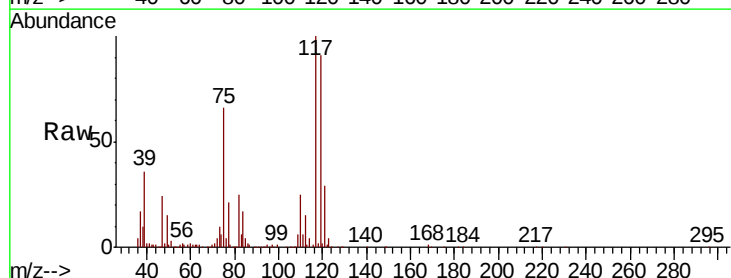
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 19.098 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	79.4	119.2
121	29.2	24.0	36.0

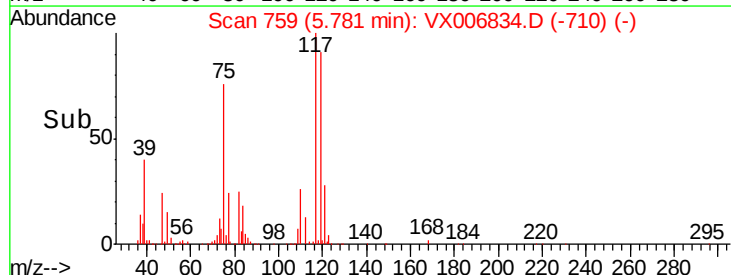
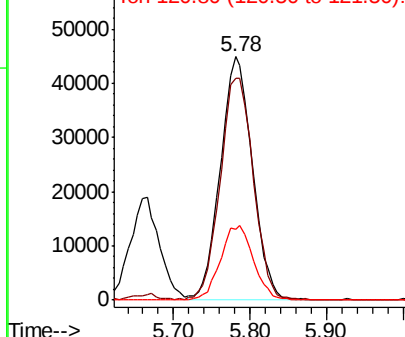


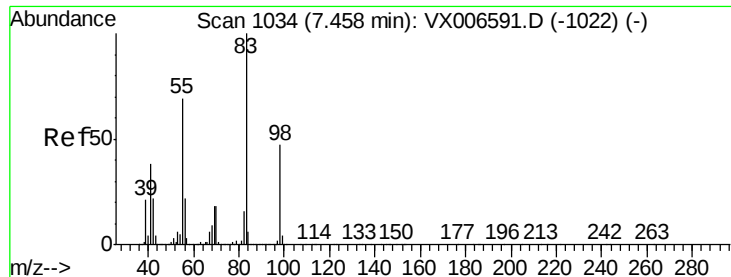
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





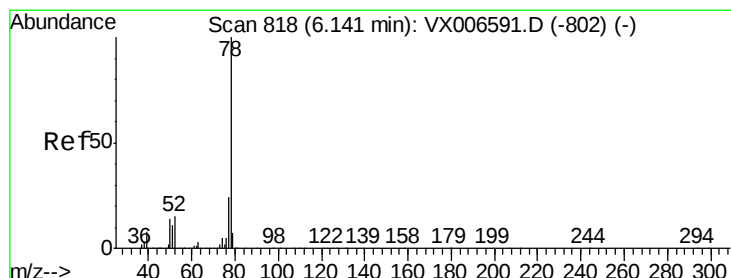
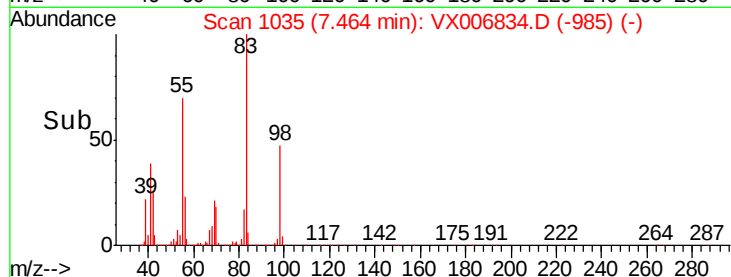
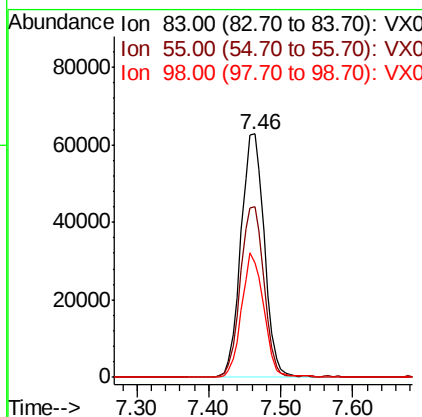
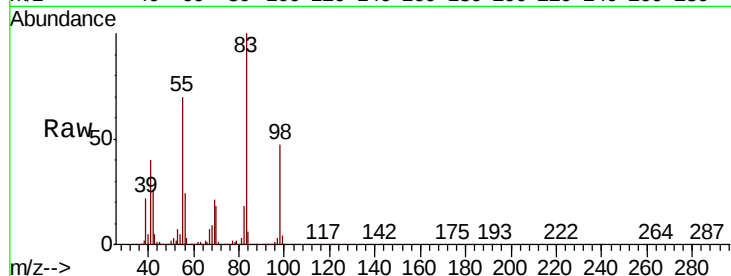
#39
Methvlcvclohexane
Concen: 15.421 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	54.9	82.3
98	46.9	37.9	56.9

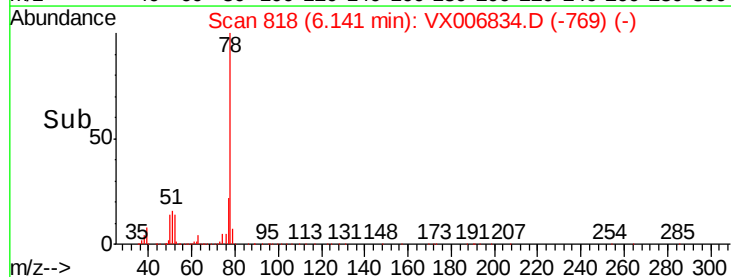
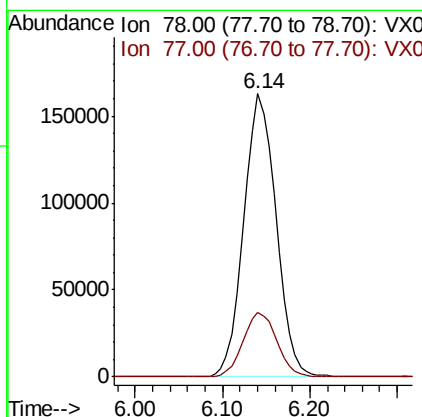
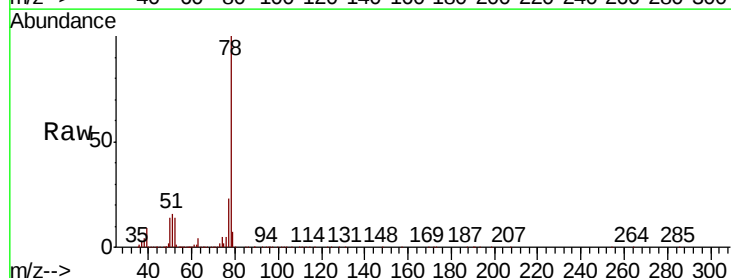
Manual Integrations
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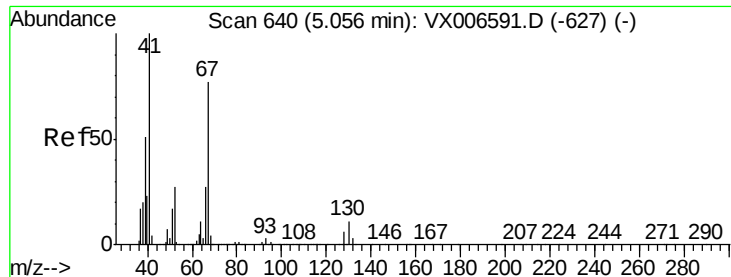
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#40
Benzene
Concen: 19.742 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8





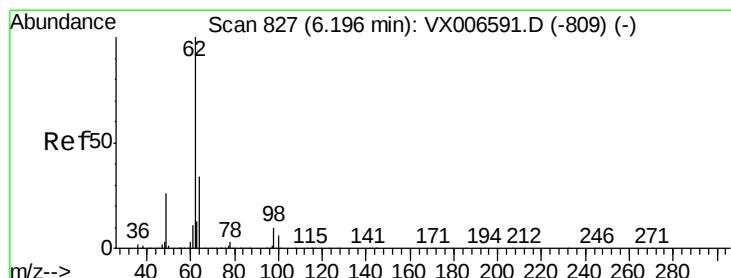
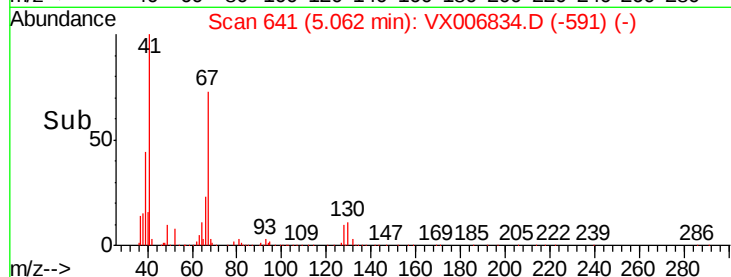
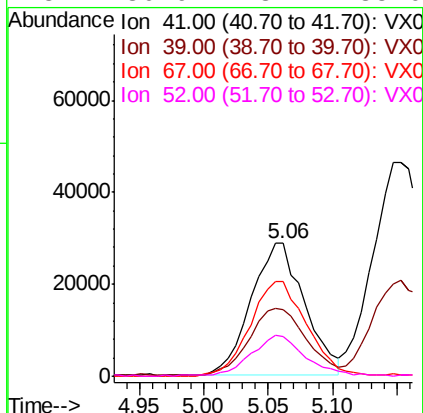
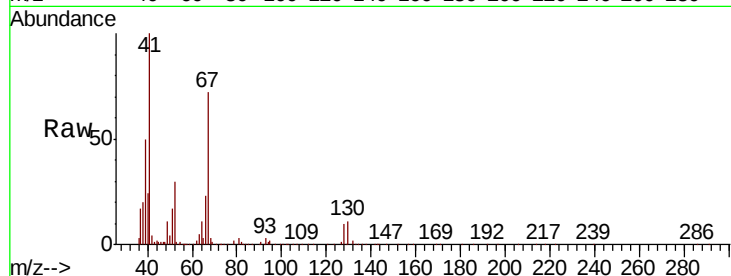
#41
Methacrylonitrile
Concen: 21.579 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion:	41	Resp:	83427
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.8	64.2
67	75.5	62.1	93.1
52	30.9	23.4	35.0

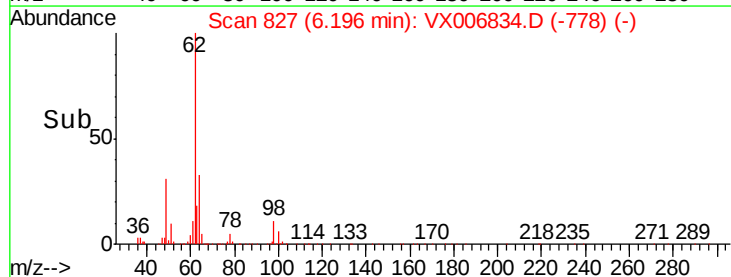
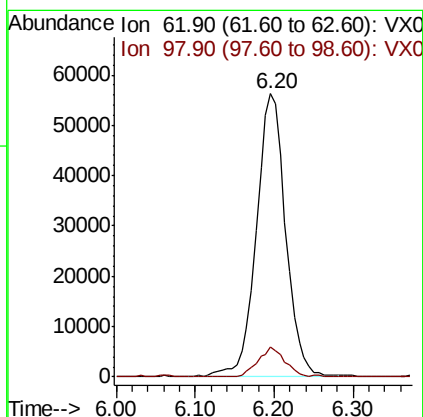
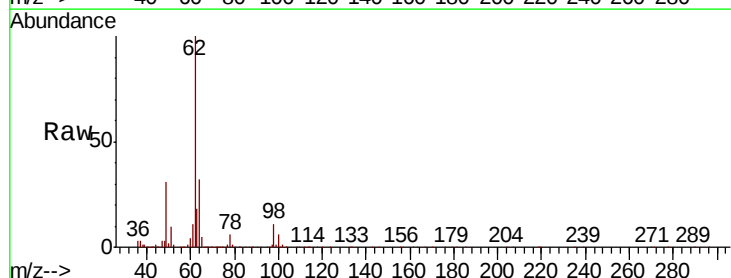
Manual Integrations
APPROVED

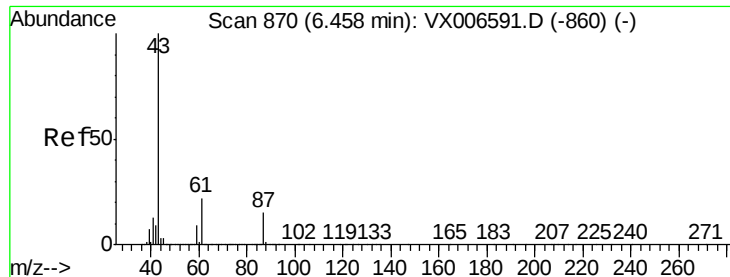
MMDadoda
12/28/2018 10:28:01 AM



#42
1,2-Dichloroethane
Concen: 19.976 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion:	62	Resp:	144761
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

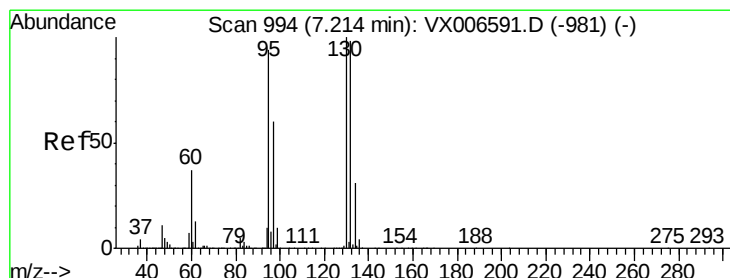
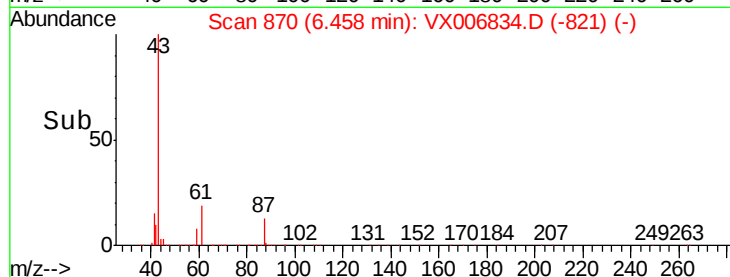
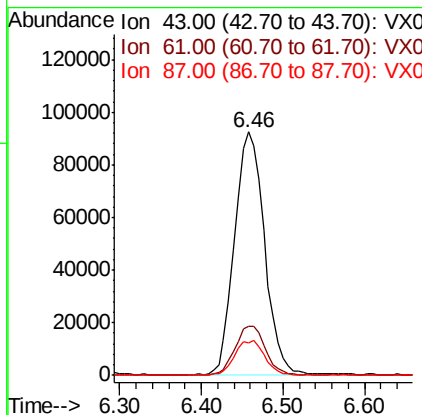
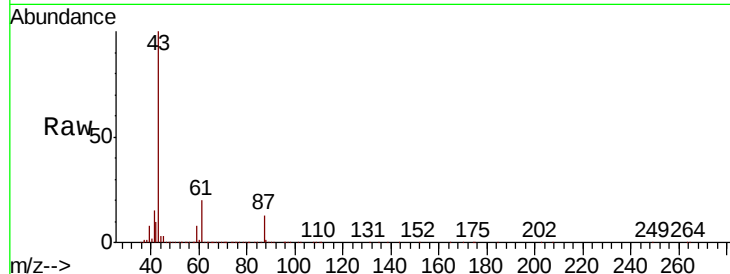
Isopropyl Acetate
 Concen: 21.152 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.8	25.2
87	14.4	12.4	18.6

Manual Integrations
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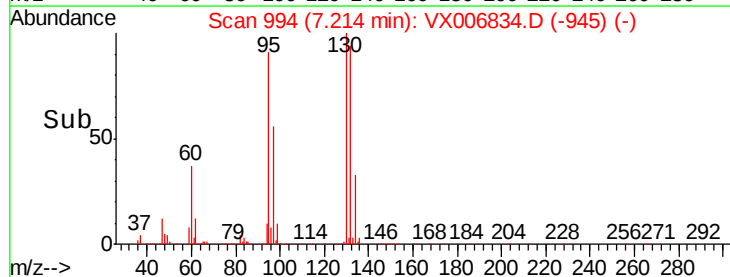
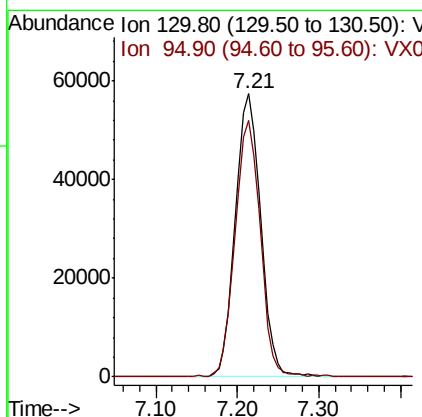
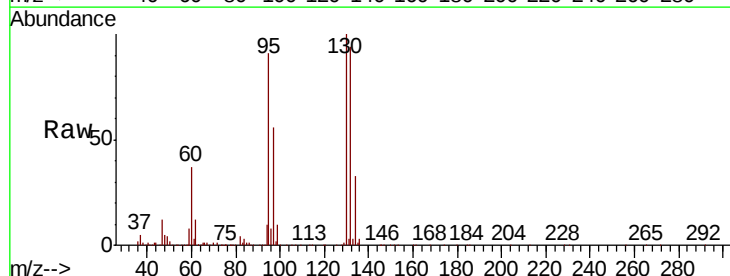
MMDadoda
 12/28/2018 10:28:01 AM



#44

Trichloroethene
 Concen: 19.196 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.988 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 63 Resp: 103444

Ion Ratio Lower Upper

63 100

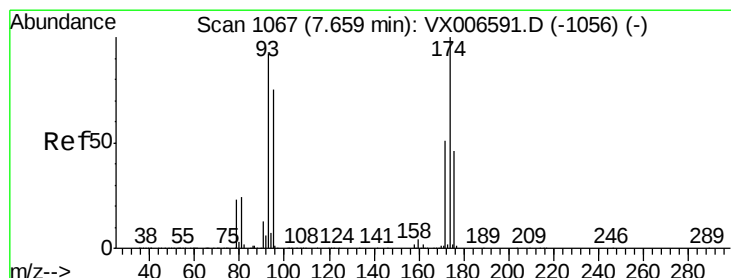
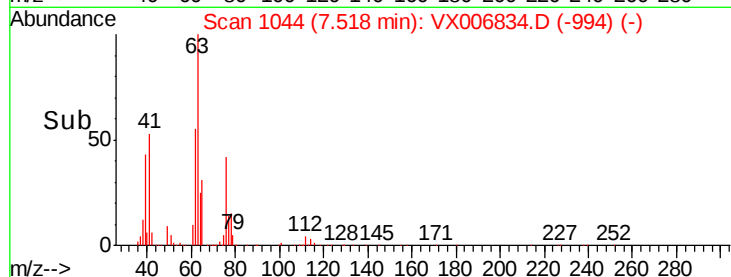
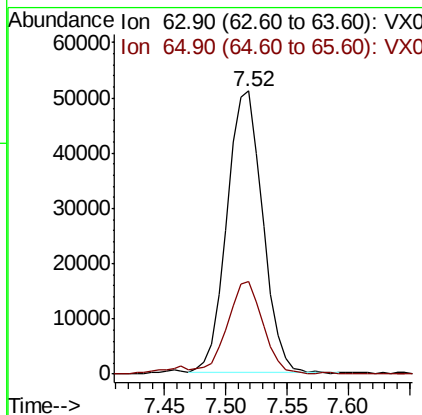
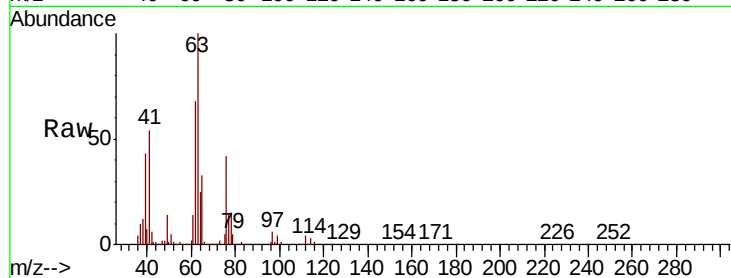
65 32.5 25.4 38.0

Manual Integrations

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MMDadoda

12/28/2018 10:28:01 AM



#46

Dibromomethane

Concen: 19.590 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

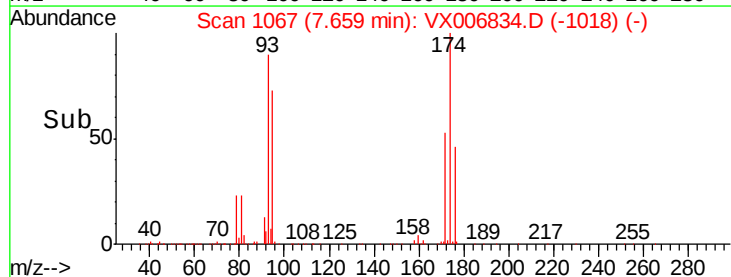
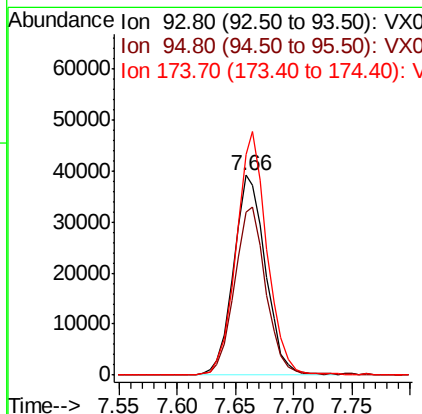
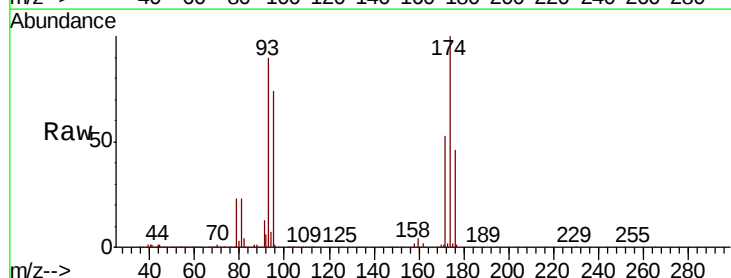
Tgt Ion: 93 Resp: 74572

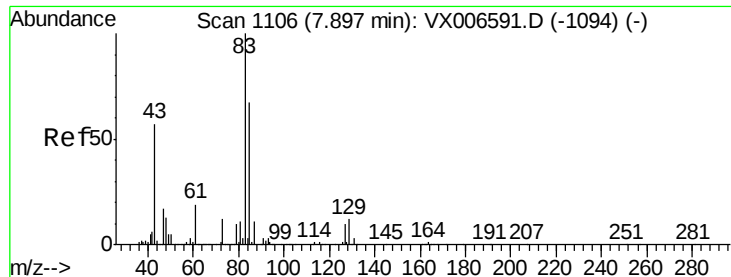
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 117.4 91.0 136.4





#47

Bromodichloromethane

Concen: 19.998 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

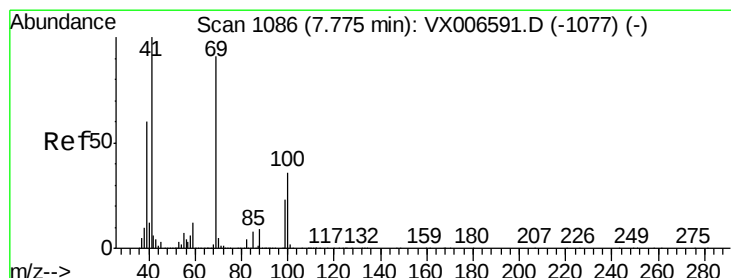
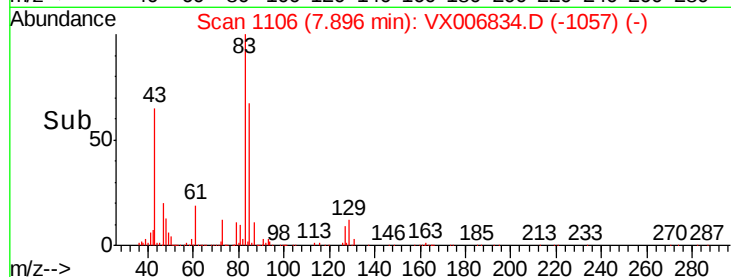
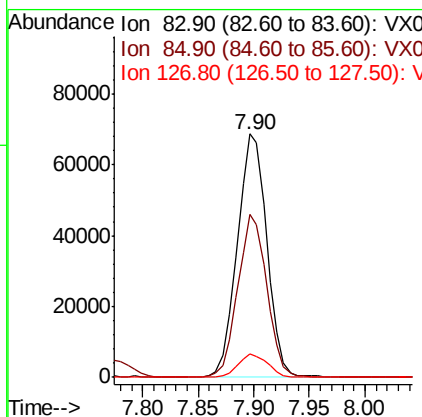
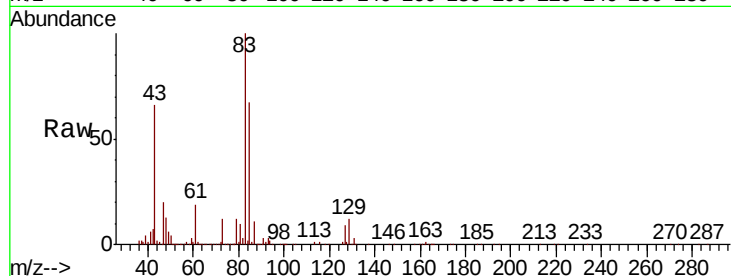
ClientSampleId :

VX1227WBS01

Tot Ion:	83	Resp:	126386
Ion Ratio	Lower	Upper	
83	100		
85	67.1	53.2	79.8
127	9.4	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.245 ug/l

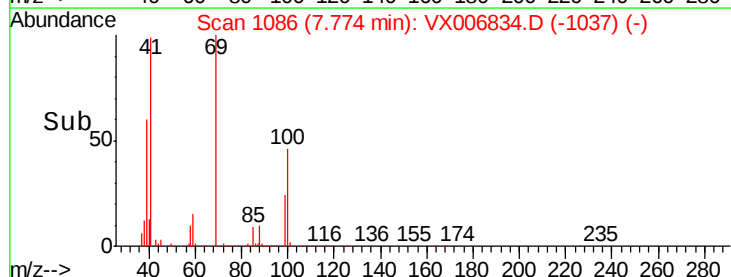
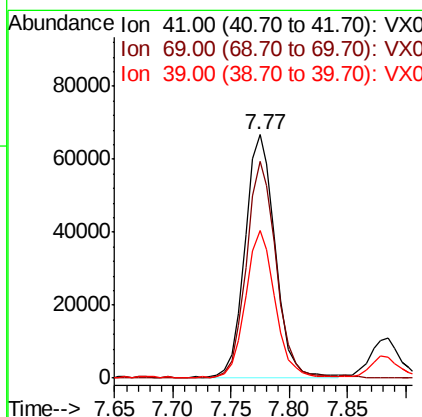
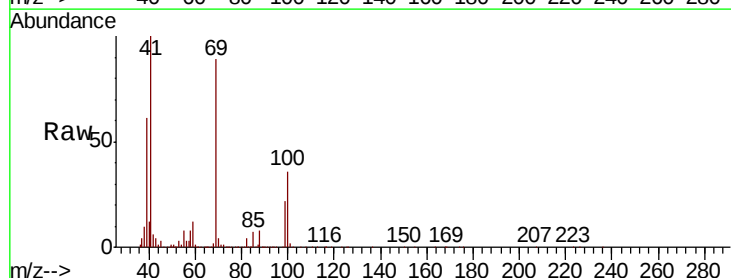
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion:	41	Resp:	119706
Ion Ratio	Lower	Upper	
41	100		
69	88.6	72.4	108.6
39	59.0	45.8	68.8





#49

1,4-Dioxane

Concen: 318.675 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

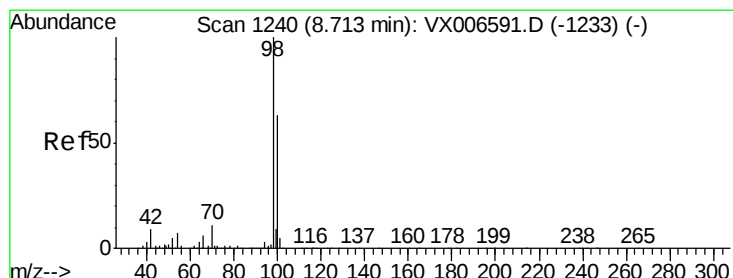
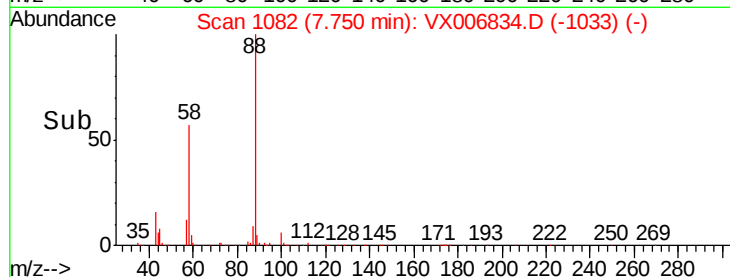
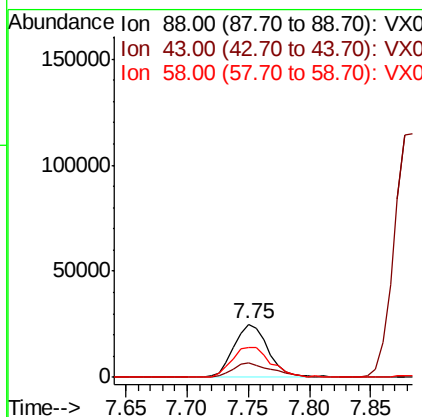
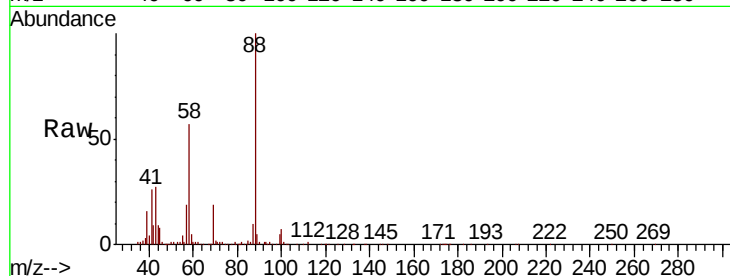
ClientSampleId :

VX1227WBS01

Tot Ion:	88	Resp:	48977
Ion	Ratio	Lower	Upper
88	100		
43	29.8	22.2	33.4
58	64.9	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 48.145 ug/l

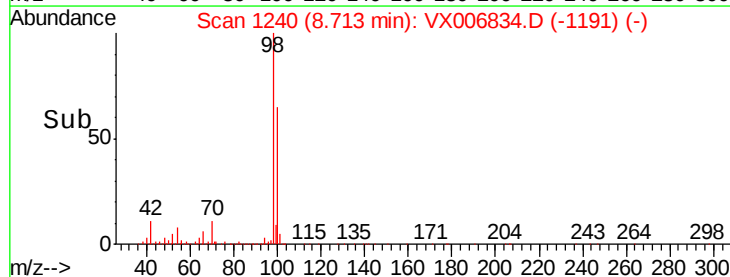
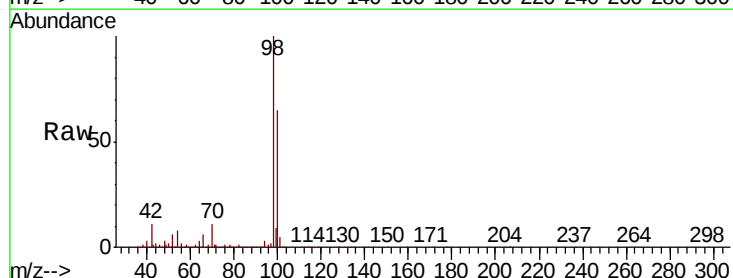
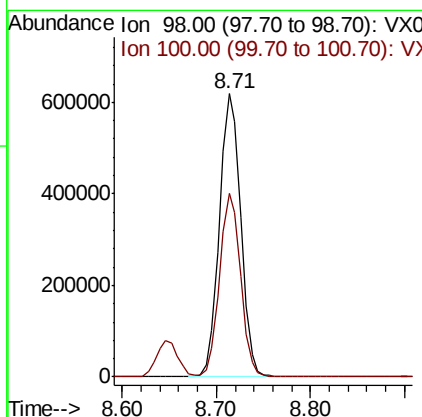
RT: 8.71 min Scan# 1240

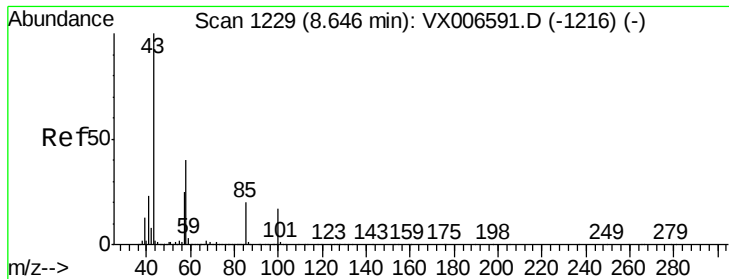
Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion:	98	Resp:	969626
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0





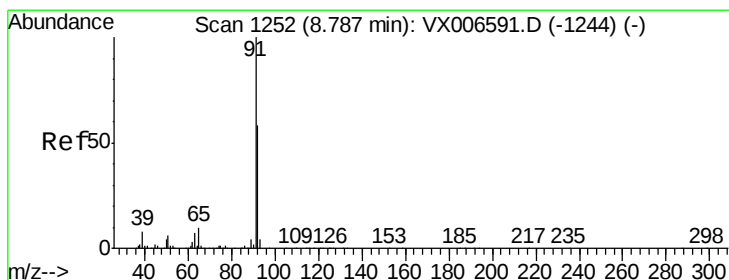
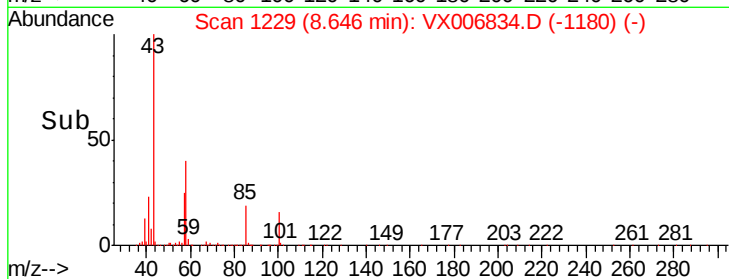
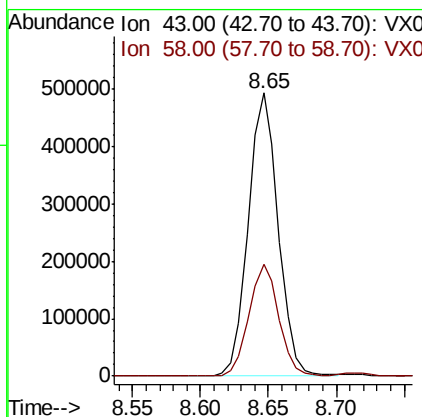
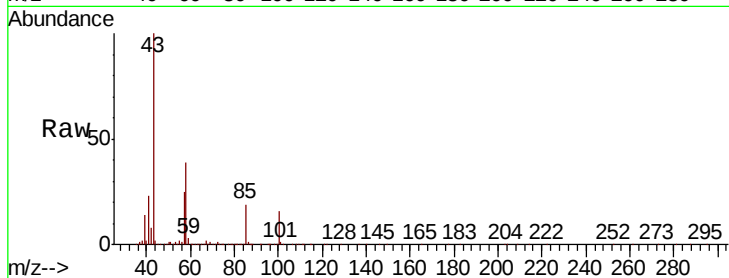
#51
4-Methyl-2-Pentanone
Concen: 107.677 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.8	47.6

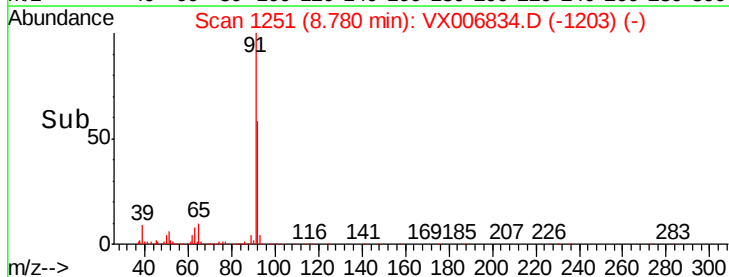
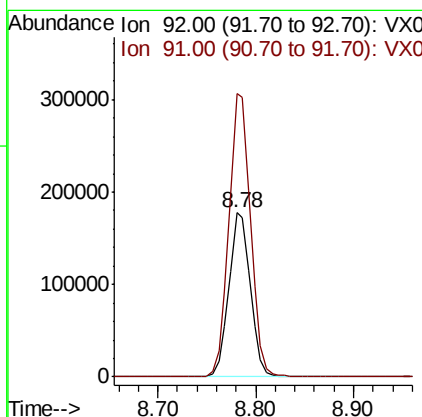
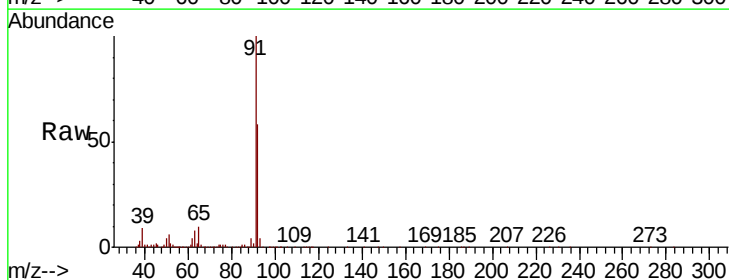
Manual Integrations
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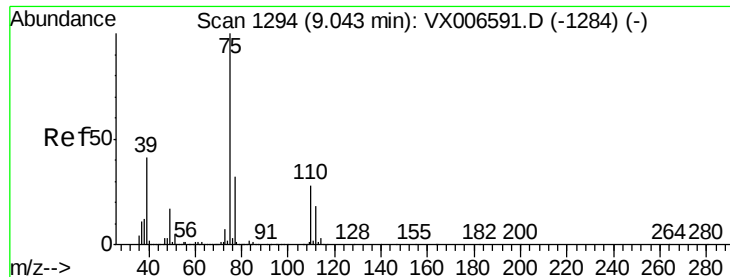
MMDadoda
12/28/2018 10:28:01 AM



#52
Toluene
Concen: 19.694 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 19.946 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 75 Resp: 135197

Ion Ratio Lower Upper

75 100

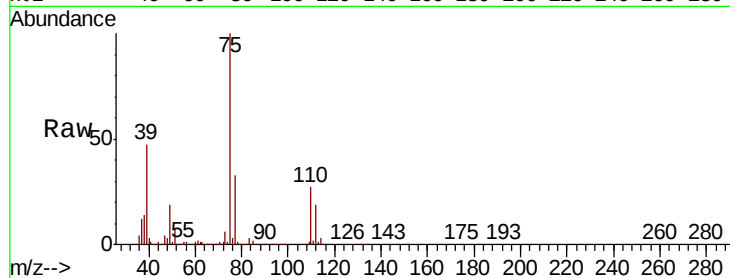
77 32.8 25.4 38.0

Manual Integrations

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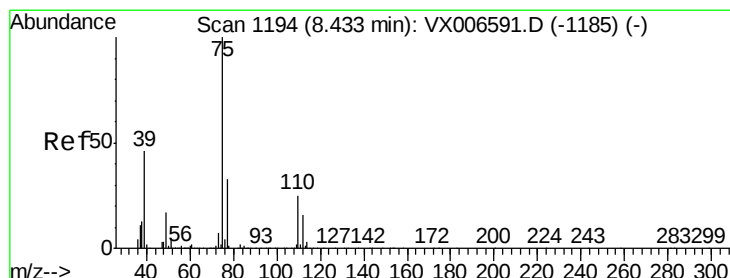
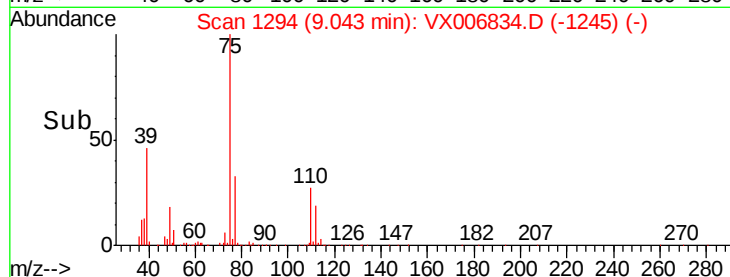
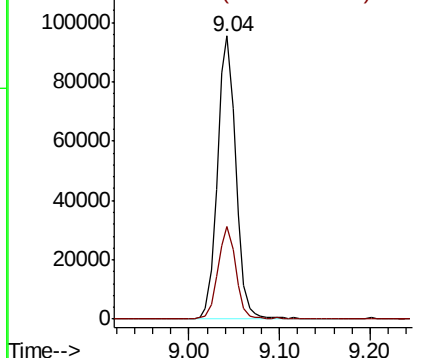
MMDadoda

12/28/2018 10:28:01 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.544 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

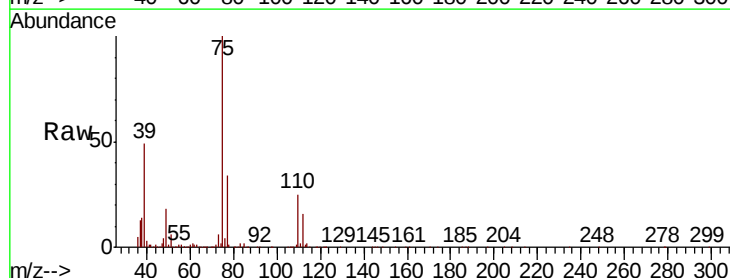
Tgt Ion: 75 Resp: 152794

Ion Ratio Lower Upper

75 100

77 34.3 26.2 39.2

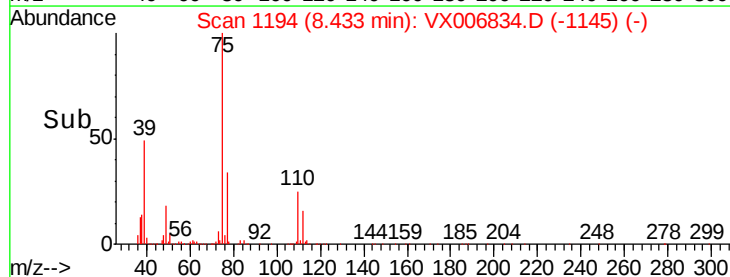
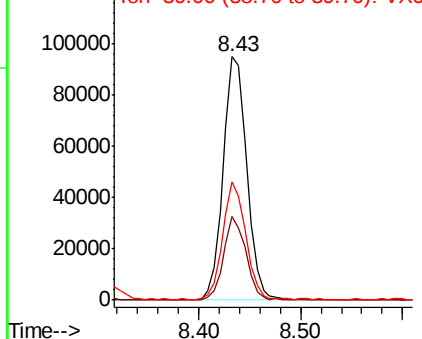
39 48.4 36.7 55.1

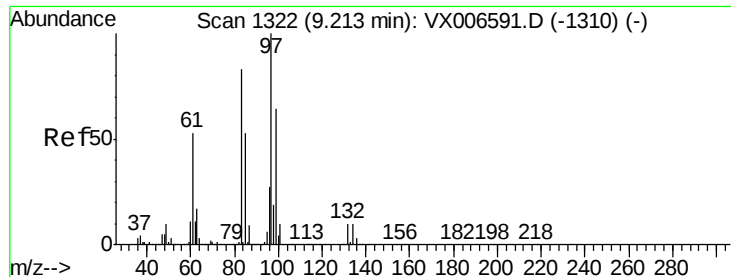


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





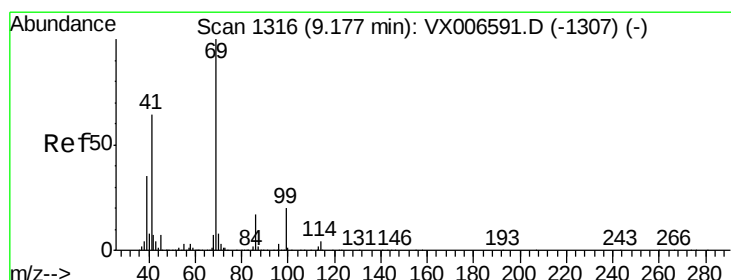
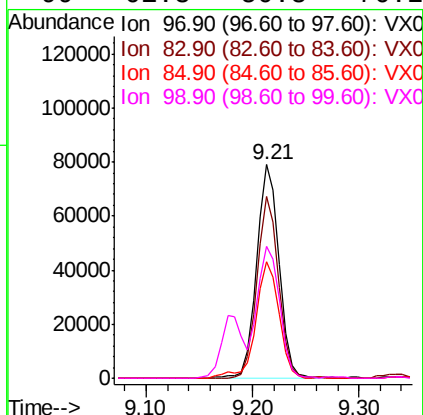
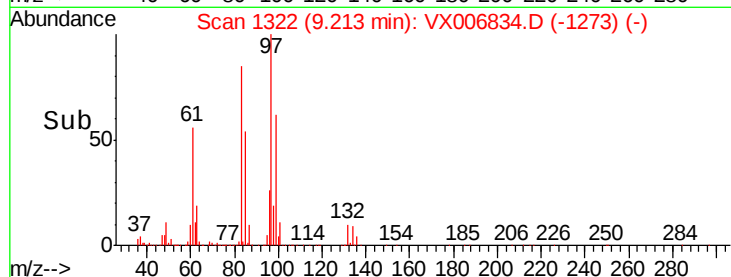
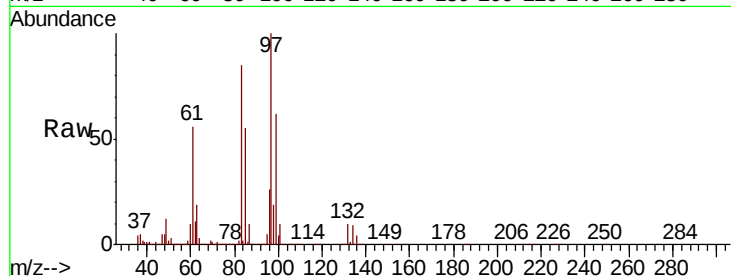
#55
 1,1,2-Trichloroethane
 Concen: 20.766 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		116781		
83	85.3	66.6	99.8		
85	54.5	42.7	64.1		
99	61.8	50.8	76.2		

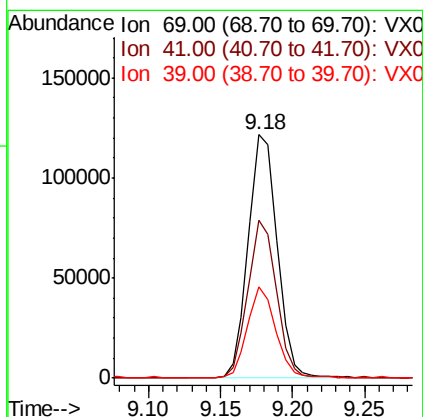
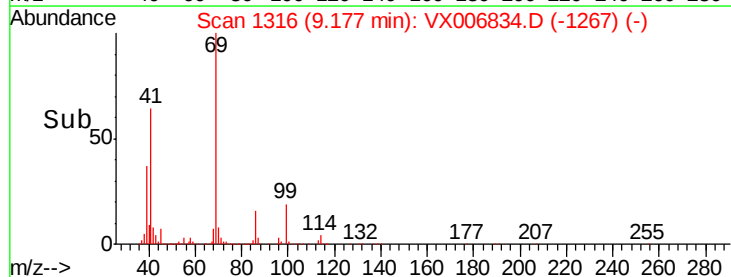
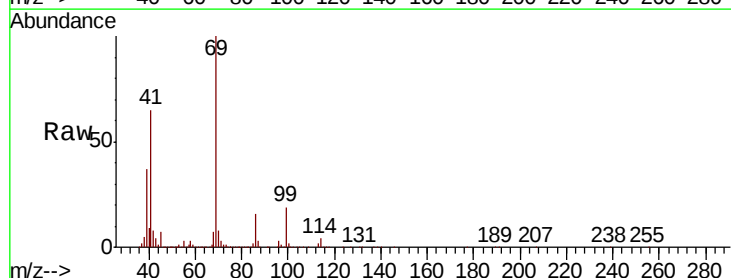
Manual Integrations
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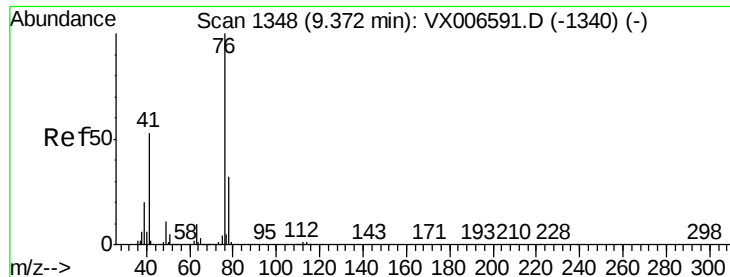
MMDadoda
 12/28/2018 10:28:01 AM



#56
 Ethyl methacrylate
 Concen: 21.320 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		169462		
41	63.9	48.7	73.1		
39	35.9	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 20.125 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 76 Resp: 182090

Ion Ratio Lower Upper

76 100

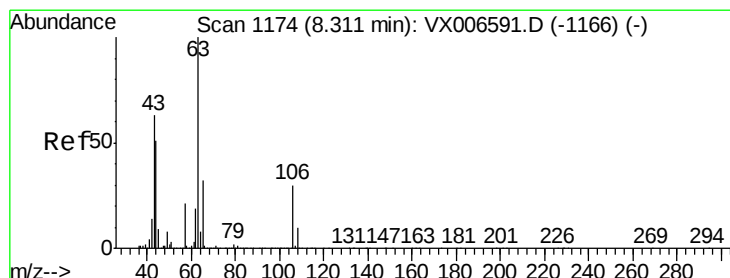
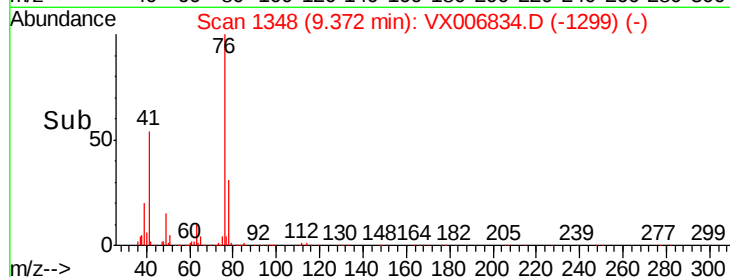
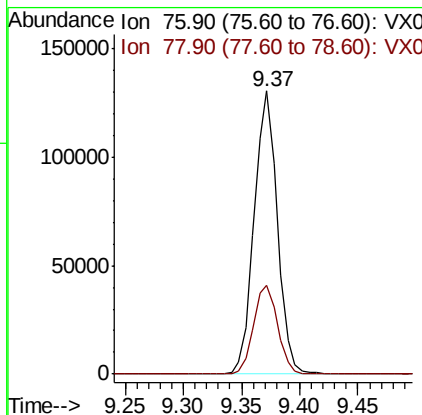
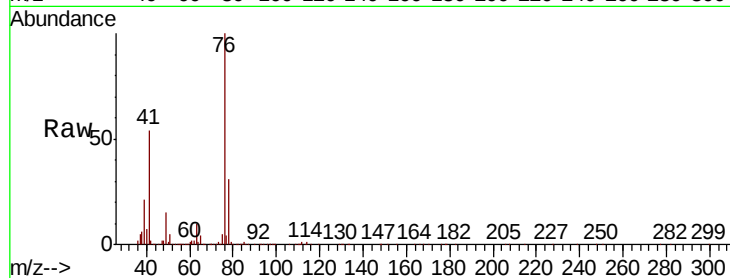
78 32.7 26.0 39.0

Manual Integrations

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MMDadoda

12/28/2018 10:28:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.247 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006834.D

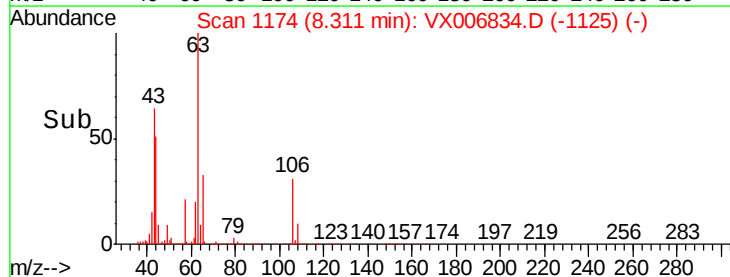
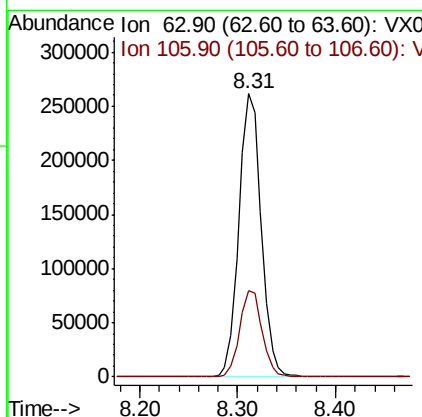
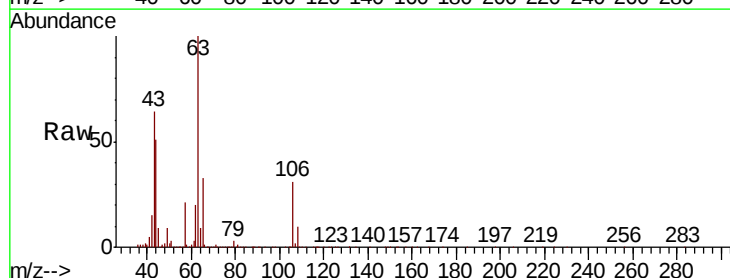
Acq: 27 Dec 2018 11:36

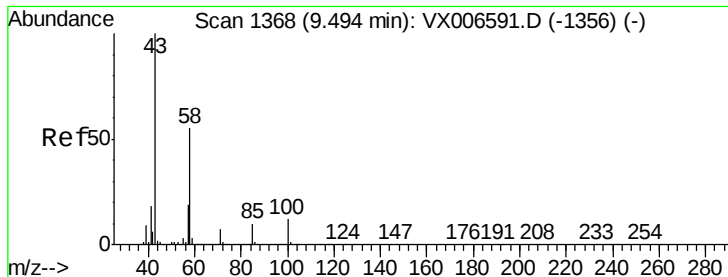
Tgt Ion: 63 Resp: 415110

Ion Ratio Lower Upper

63 100

106 30.7 24.6 36.8





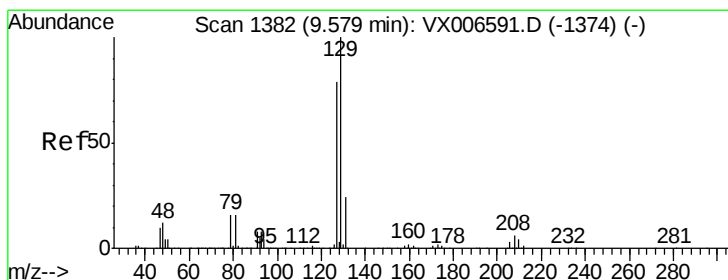
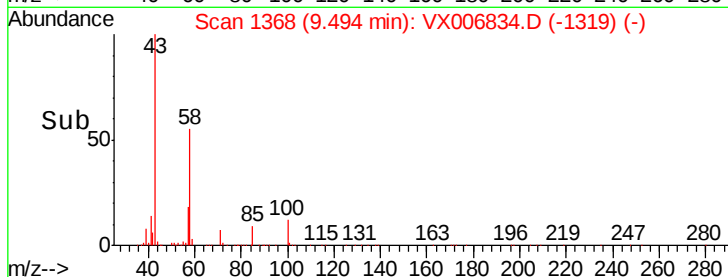
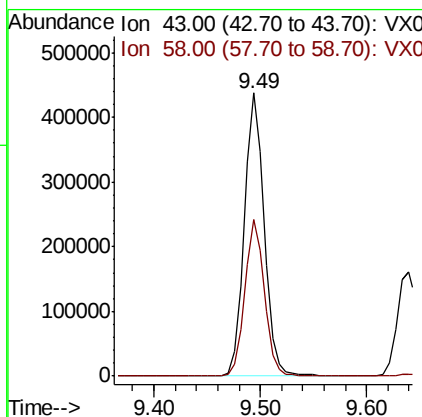
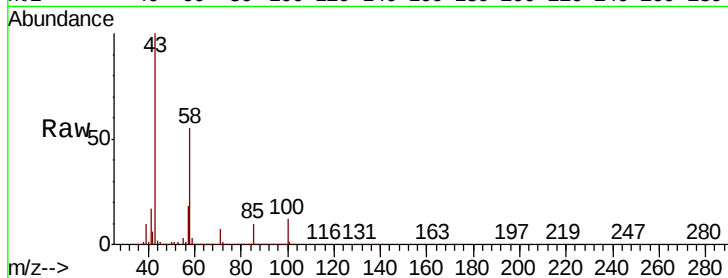
#59
2-Hexanone
Concen: 106.653 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion: 43 Resp: 575283
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1

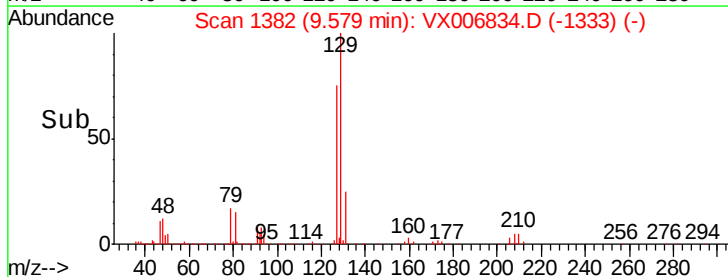
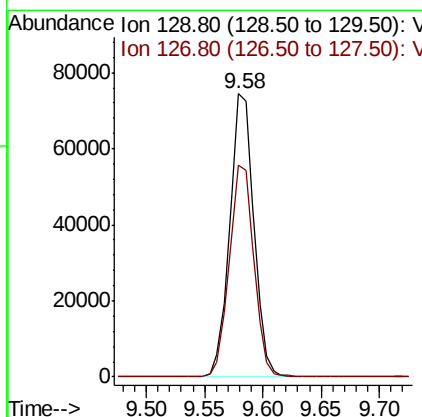
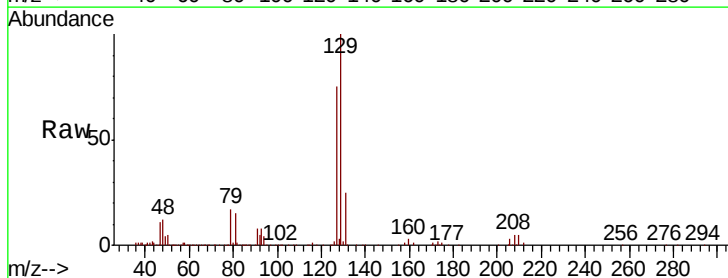
Manual Integrations
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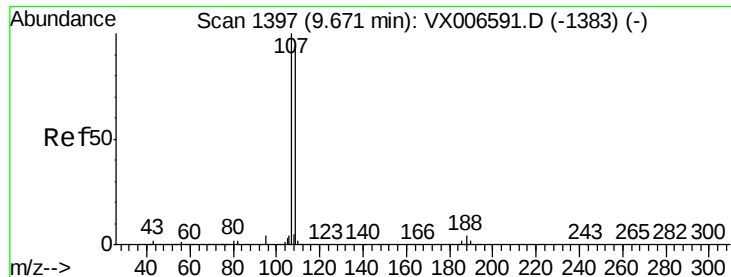
MMDadoda
12/28/2018 10:28:01 AM



#60
Dibromochloromethane
Concen: 19.785 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion: 129 Resp: 107707
Ion Ratio Lower Upper
129 100
127 75.9 39.3 117.8





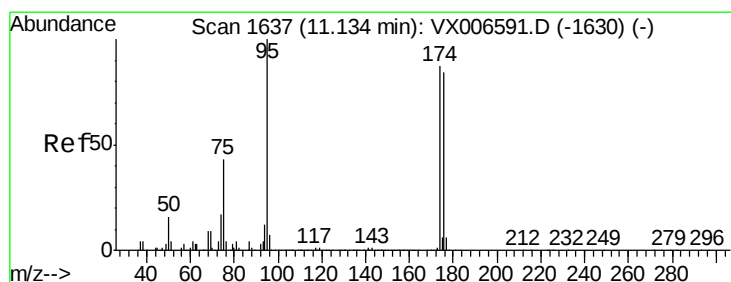
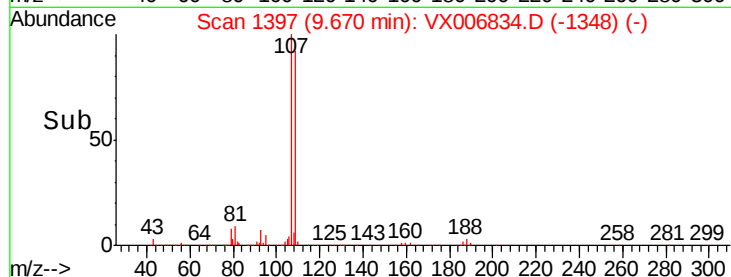
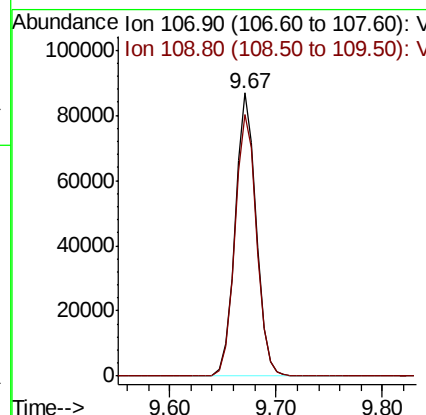
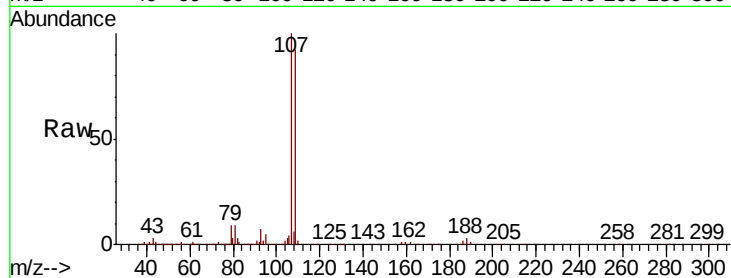
#61
 1,2-Dibromoethane
 Concen: 20.117 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.8	113.6

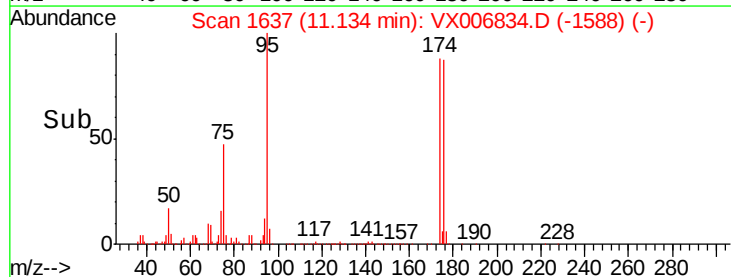
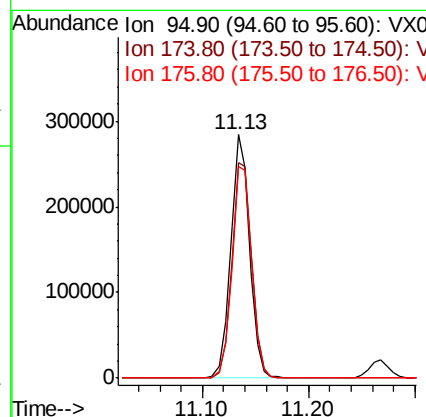
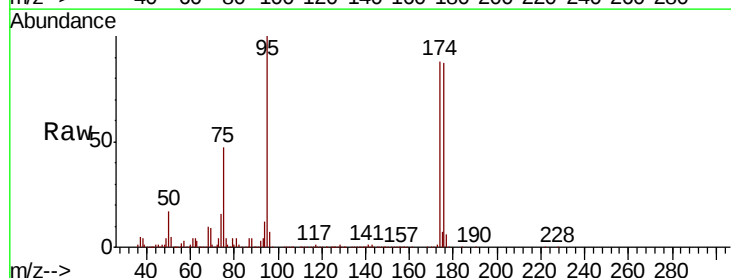
Manual Integrations
 APPROVED

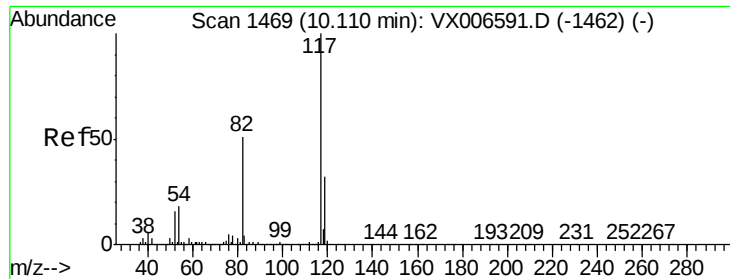
MMDadoda
 12/28/2018 10:28:01 AM



#62
 4-Bromofluorobenzene
 Concen: 47.694 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	182.2
176	90.8	0.0	178.8





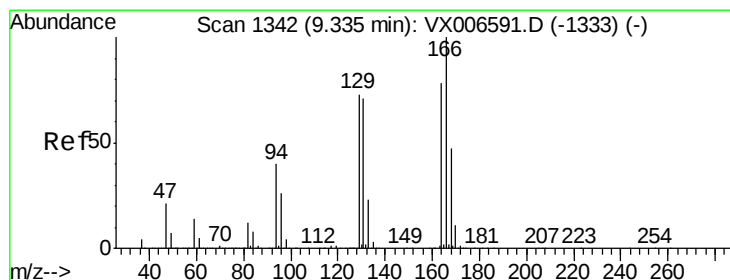
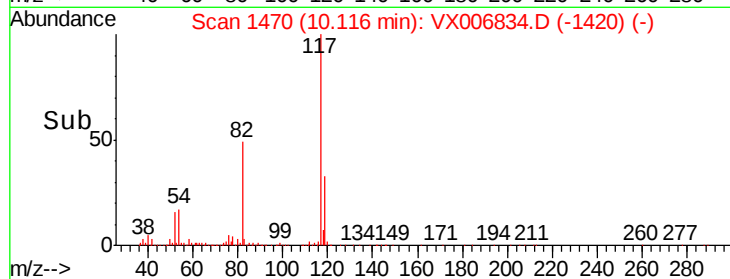
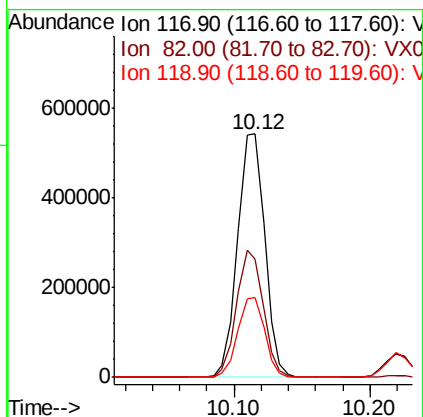
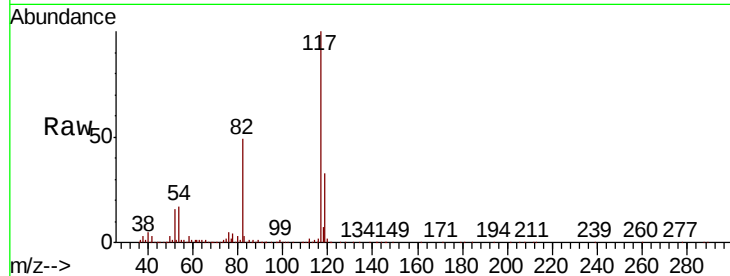
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	761390		
82	48.6	41.0	61.6	
119	32.9	25.4	38.0	

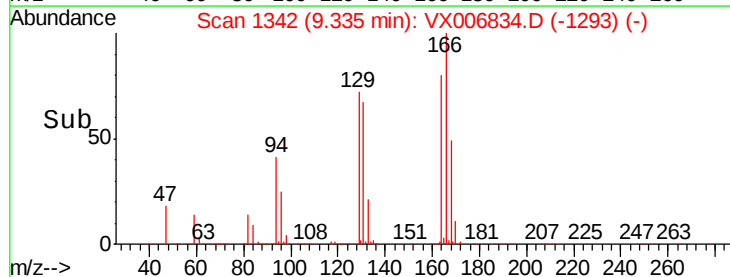
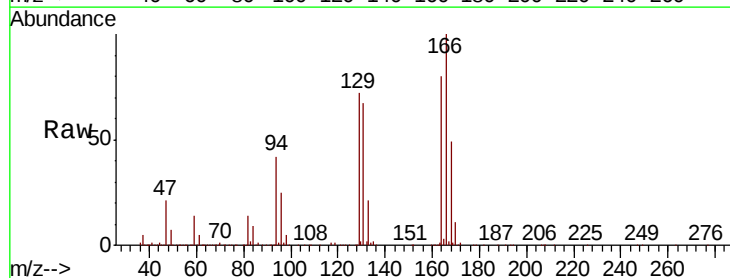
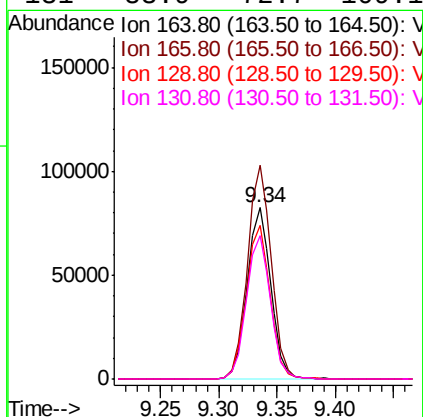
Manual Integrations
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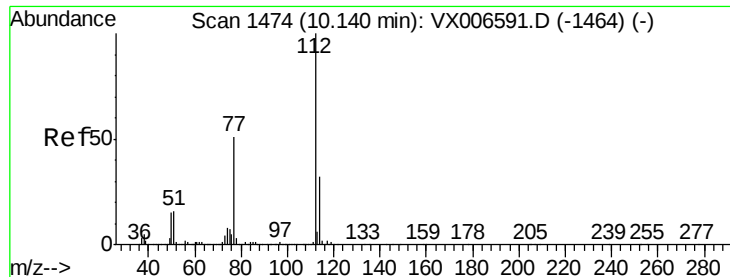
MMDadoda
12/28/2018 10:28:01 AM



#64
Tetrachloroethene
Concen: 19.474 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117410		
166	124.8	102.5	153.7	
129	89.8	75.1	112.7	
131	83.9	72.7	109.1	





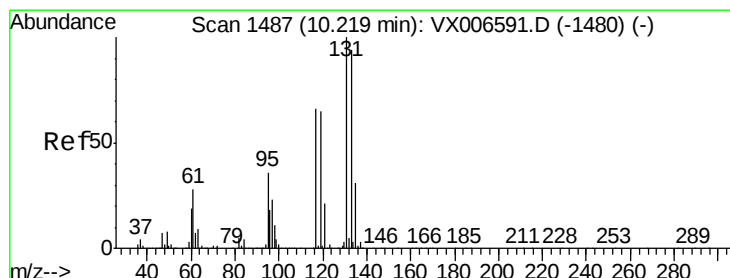
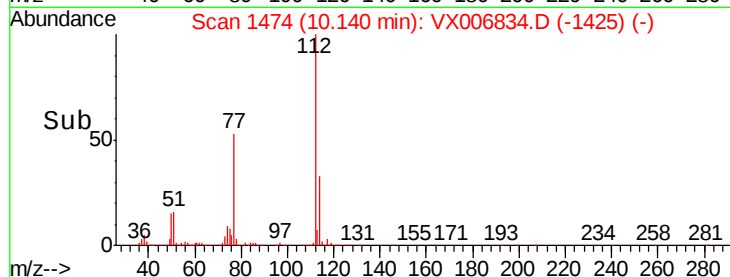
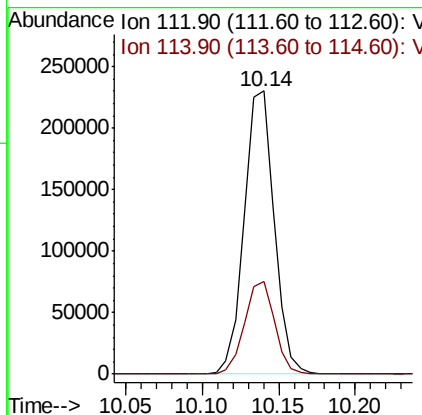
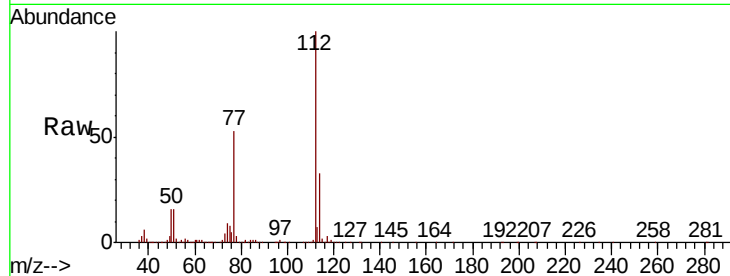
#65
Chlorobenzene
Concen: 19.491 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.7	38.5

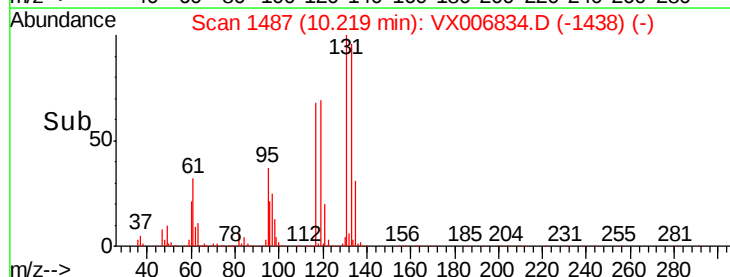
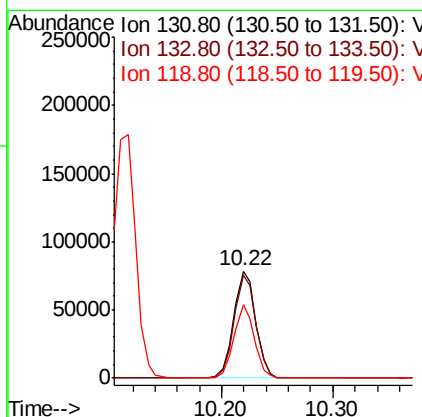
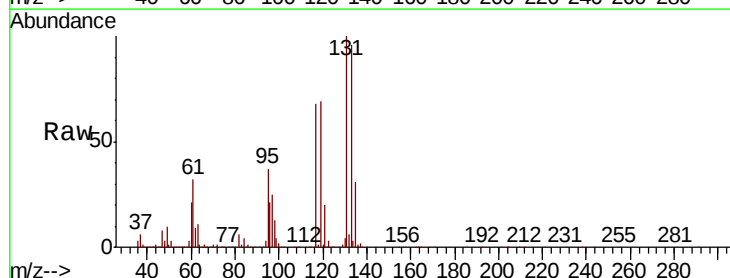
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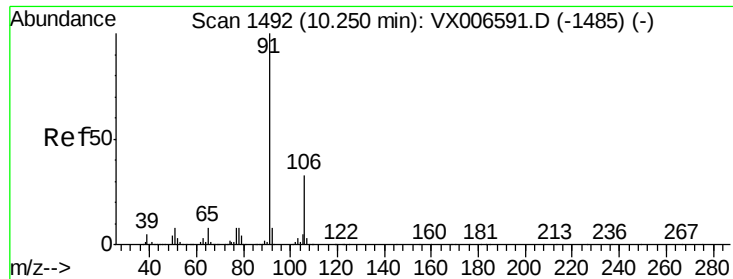
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.184 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.0	144.2
119	64.4	32.6	97.8





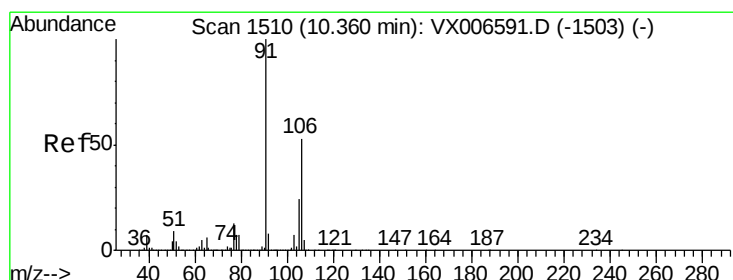
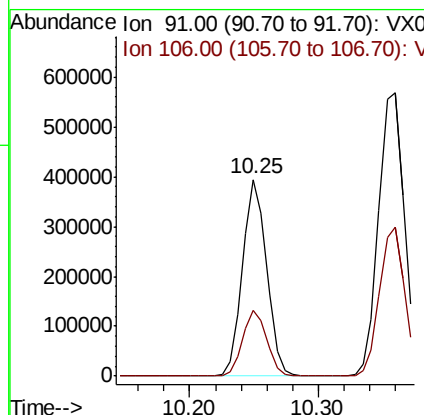
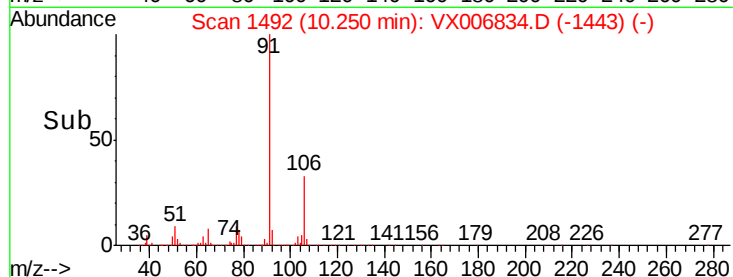
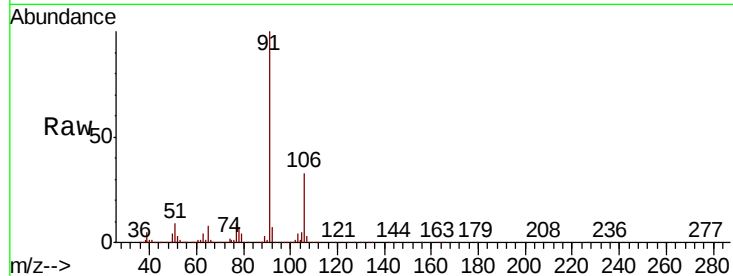
#67
Ethyl Benzene
Concen: 19.391 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion: 91 Resp: 510401
Ion Ratio Lower Upper
91 100
106 33.2 26.4 39.6

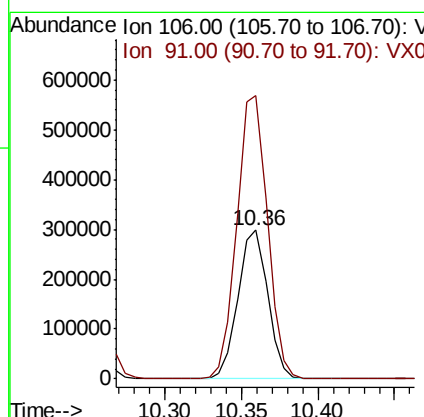
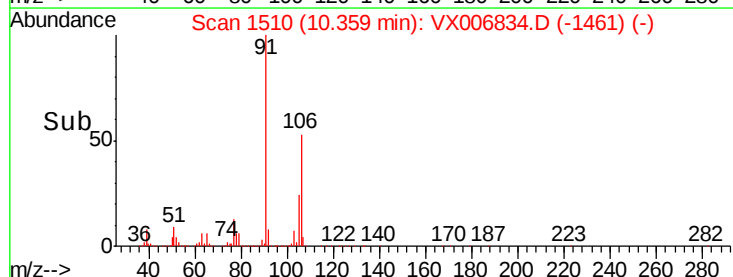
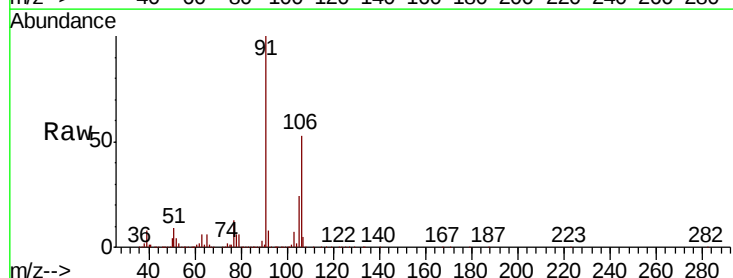
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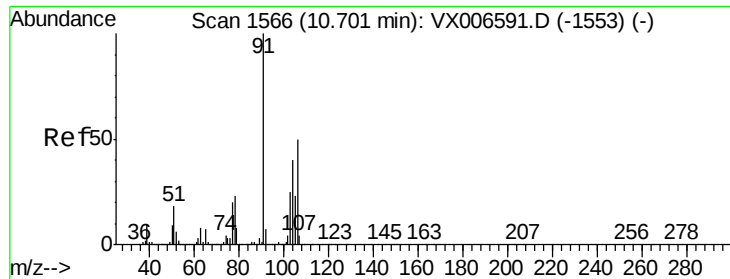
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#68
m/p-Xylenes
Concen: 38.845 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion: 106 Resp: 403458
Ion Ratio Lower Upper
106 100
91 195.5 155.8 233.6





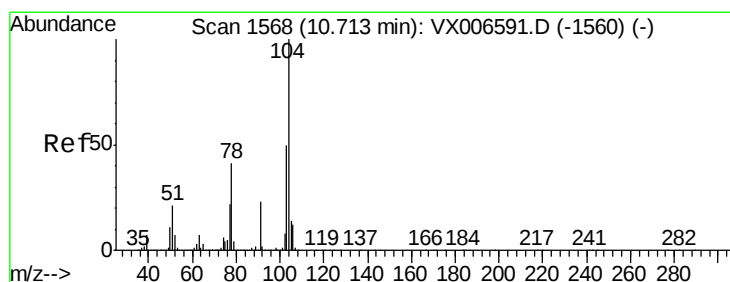
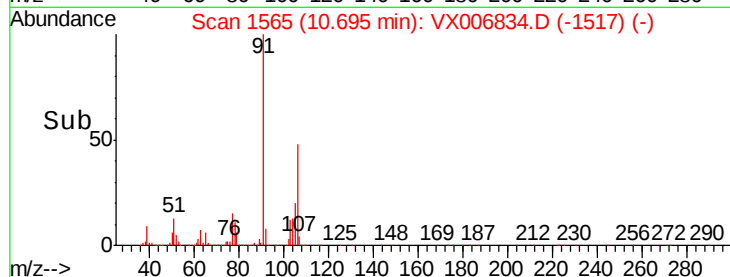
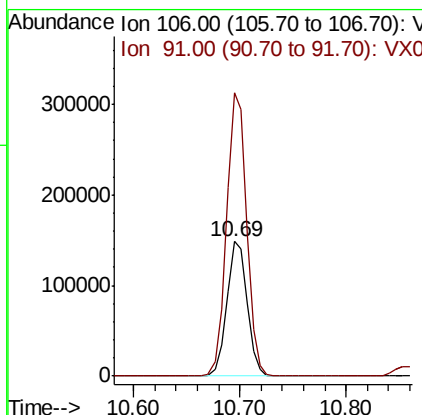
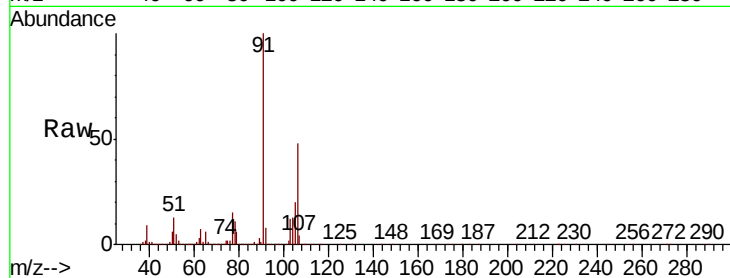
#69
o-Xylene
Concen: 19.474 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.3	101.3	303.7

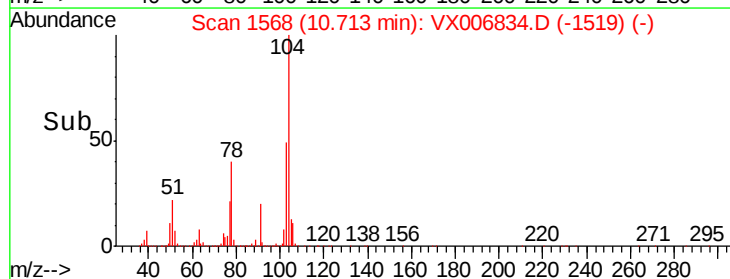
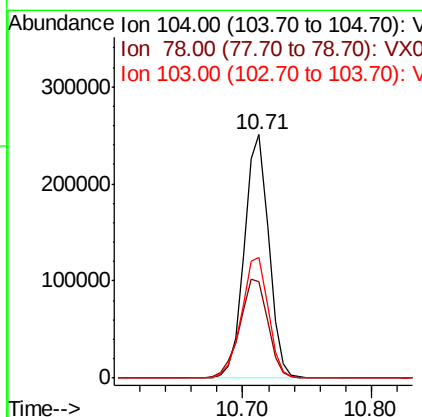
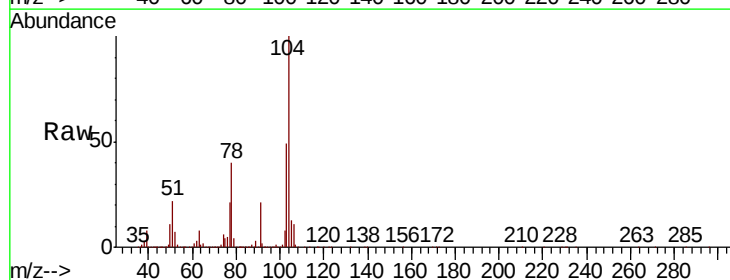
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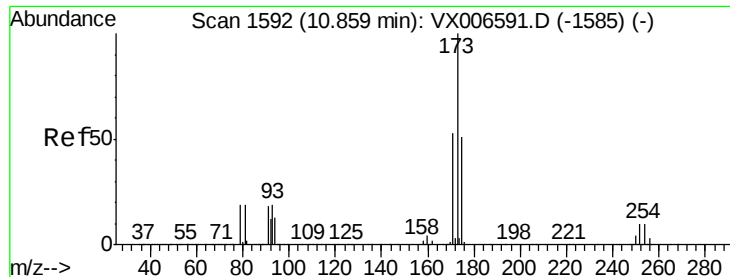
MMDadoda
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#70
Styrene
Concen: 20.225 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	37.7	56.5
103	54.8	43.8	65.8





#71

Bromoform

Concen: 19.954 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion:173 Resp: 77115

Ion Ratio Lower Upper

173 100

175 49.0 24.7 74.1

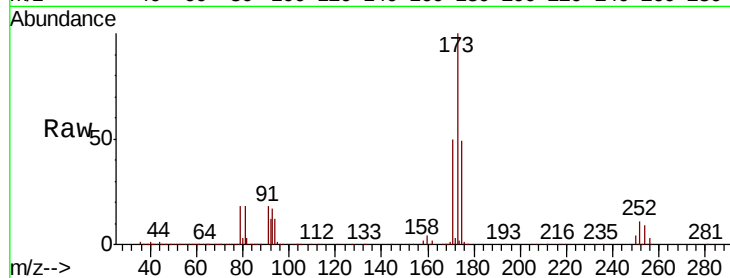
254 0.2 0.2 0.2#

Manual Integrations

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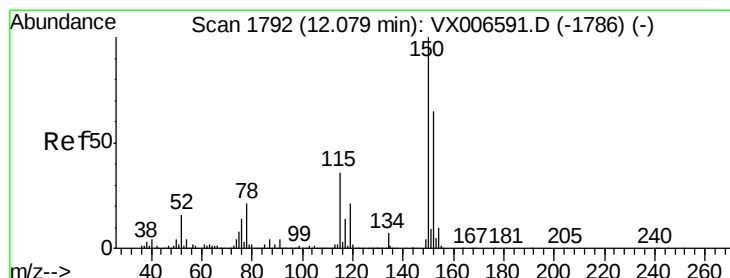
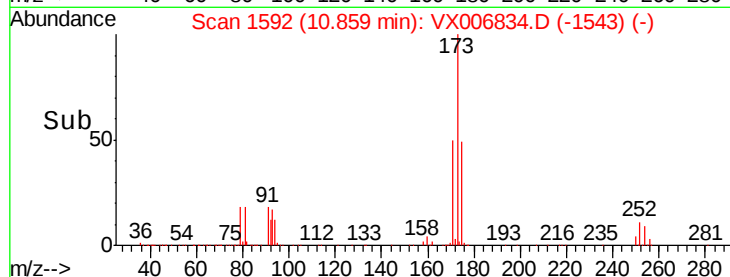
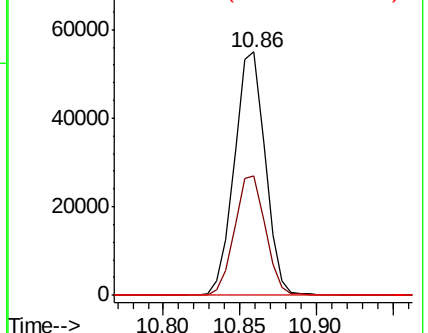
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

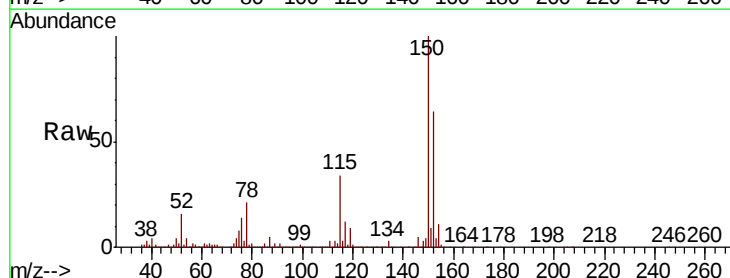
Tgt Ion:152 Resp: 382847

Ion Ratio Lower Upper

152 100

115 62.4 39.1 117.2

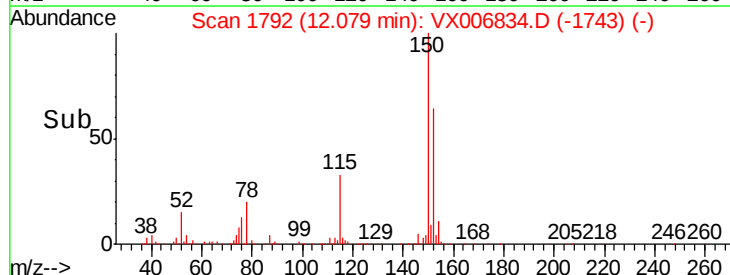
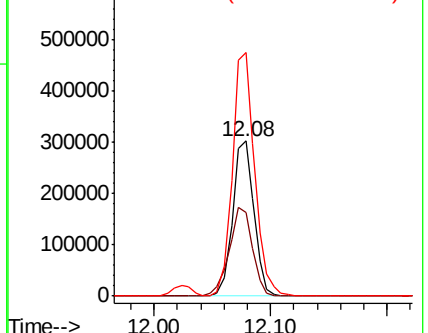
150 163.7 0.0 344.8

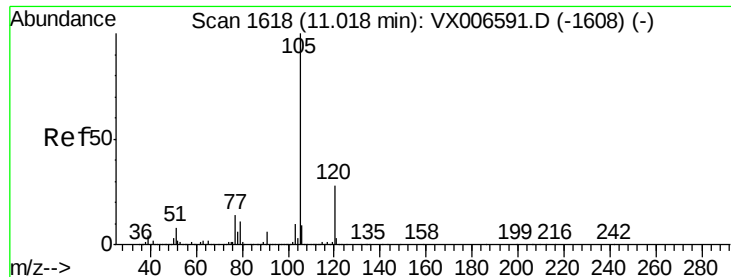


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.704 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion:105 Resp: 516078

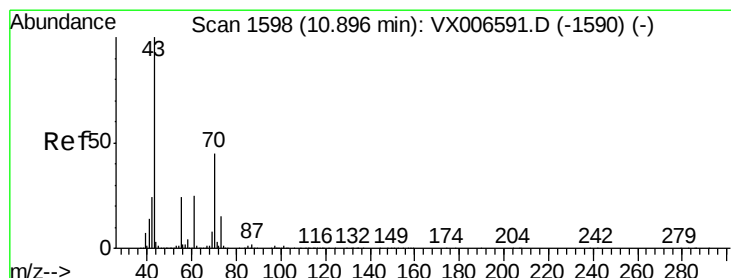
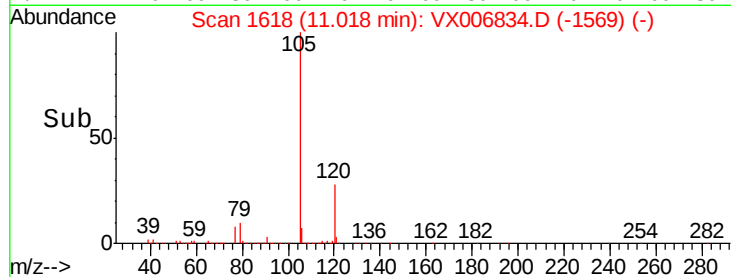
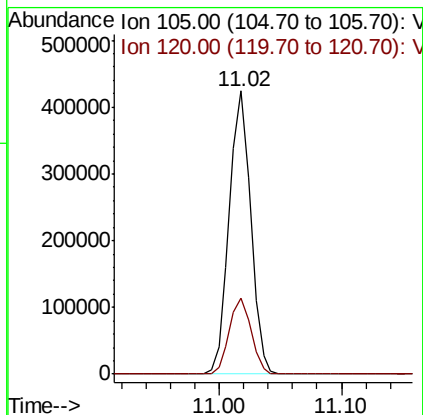
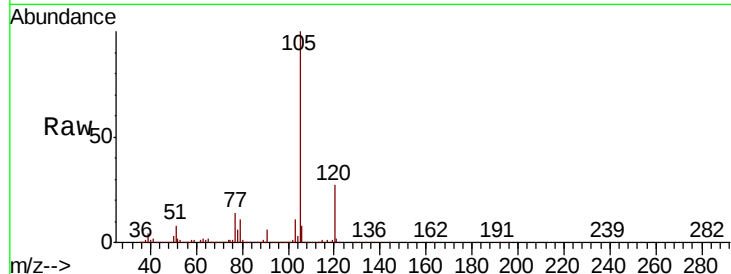
Ion Ratio Lower Upper

105 100

120 27.3 14.1 42.4

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#74

N-ethyl acetate

Concen: 22.830 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion: 43 Resp: 214032

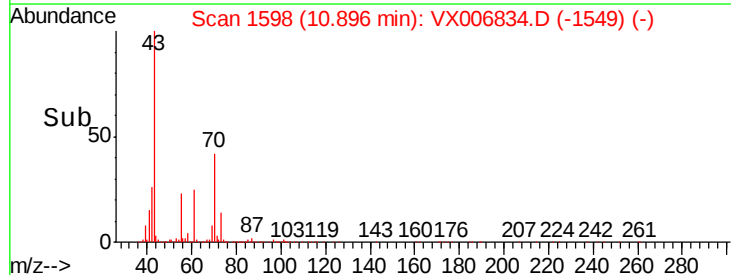
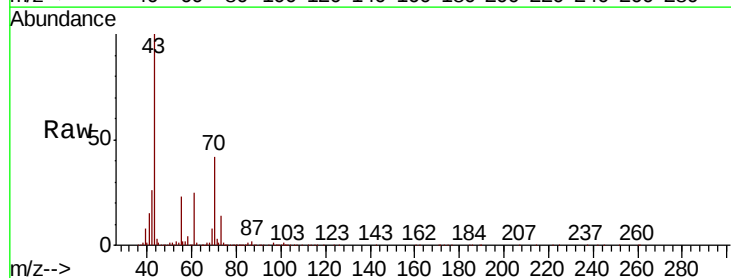
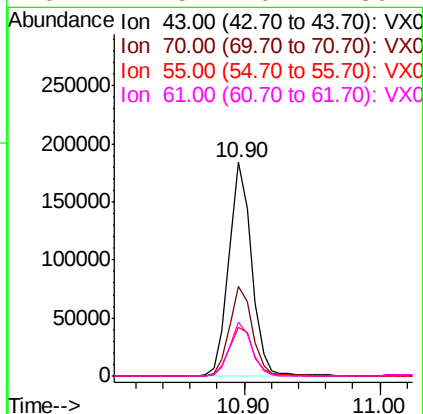
Ion Ratio Lower Upper

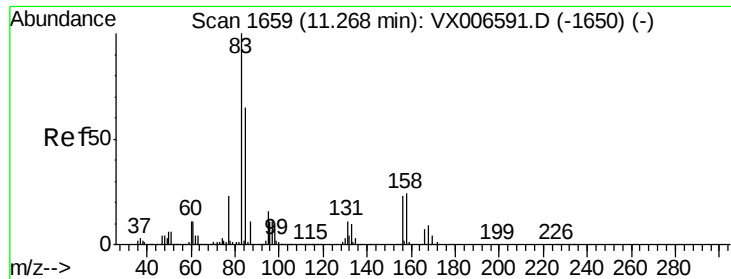
43 100

70 42.9 35.8 53.8

55 24.0 19.4 29.0

61 24.5 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.897 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 83 Resp: 170560

Ion Ratio Lower Upper

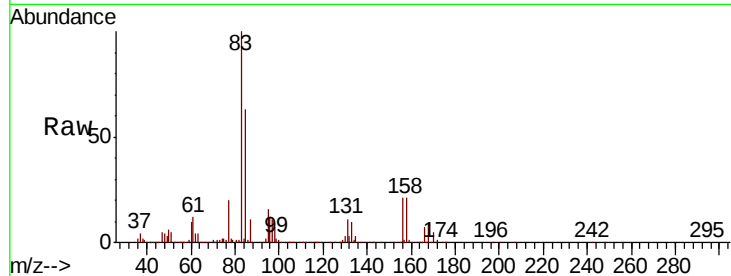
83 100

131 11.3 5.7 17.1

85 63.6 32.2 96.6

Manual Integrations
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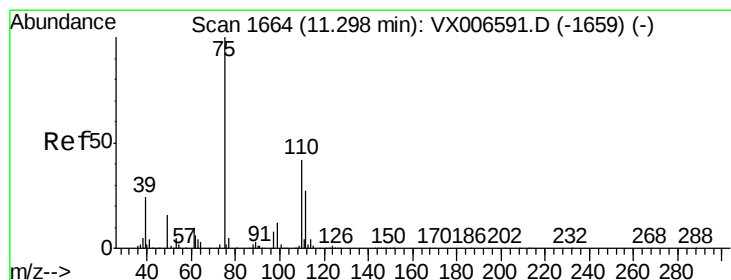
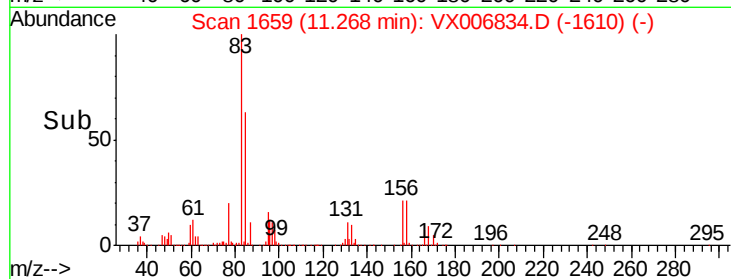
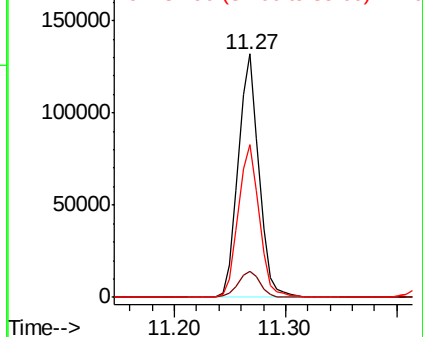
MMDadoda
12/28/2018 10:28:01 AM



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: 22.510 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006834.D

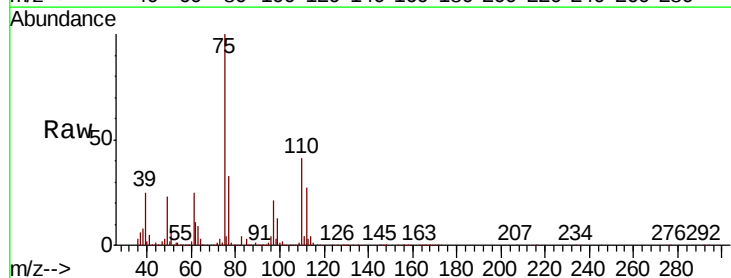
Acq: 27 Dec 2018 11:36

Tgt Ion: 75 Resp: 160156

Ion Ratio Lower Upper

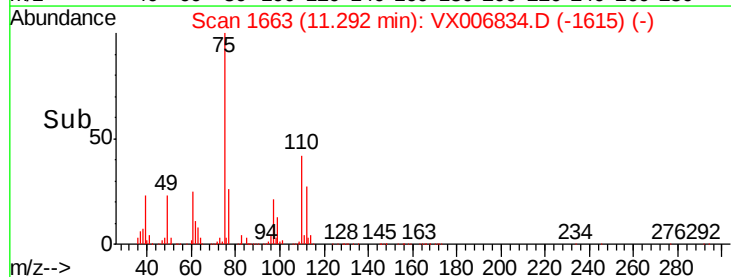
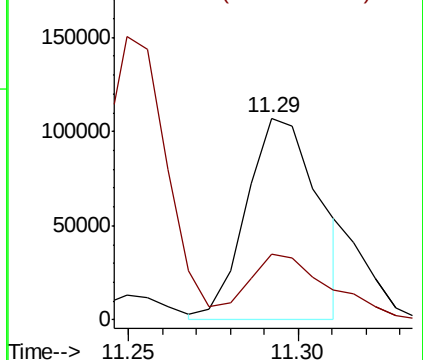
75 100

77 36.6 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.767 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

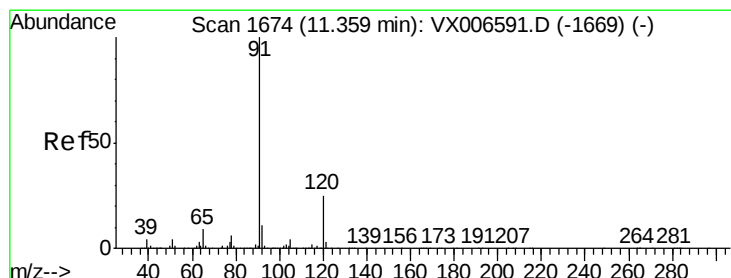
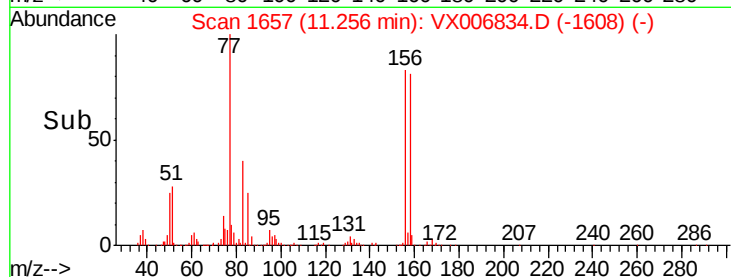
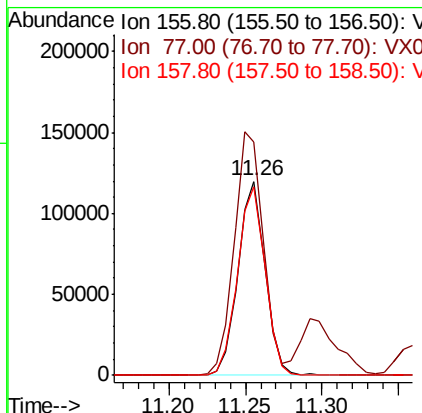
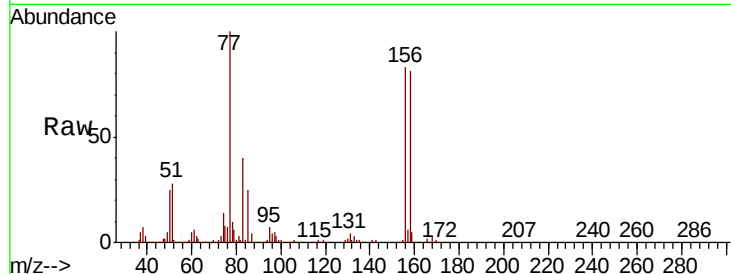
ClientSampleId :

VX1227WBS01

Tot Ion:	156	Resp:	147047
Ion Ratio	Lower	Upper	
156	100		
77	133.4	68.0	204.0
158	99.3	48.3	144.8

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#78

n-propylbenzene

Concen: 19.359 ug/l

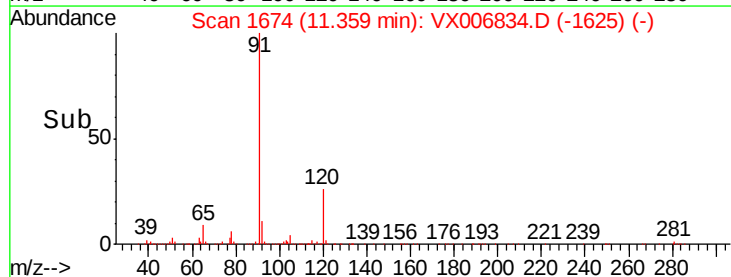
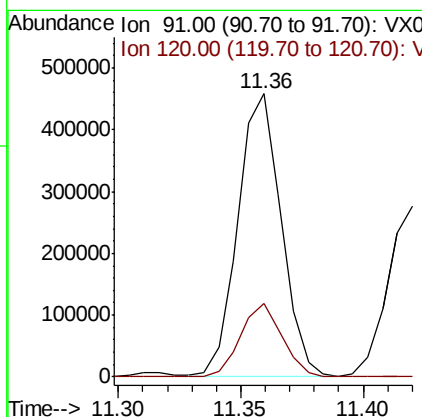
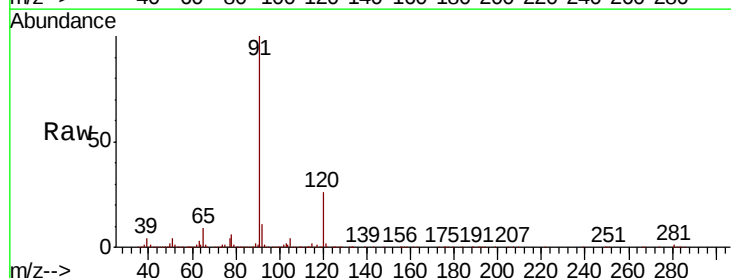
RT: 11.36 min Scan# 1674

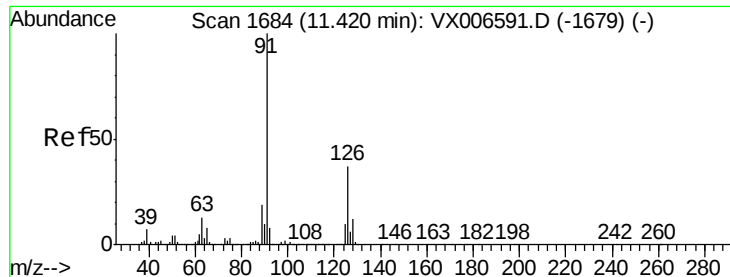
Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion:	91	Resp:	558340
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.622 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion: 91 Resp: 342971

Ion Ratio Lower Upper

91 100

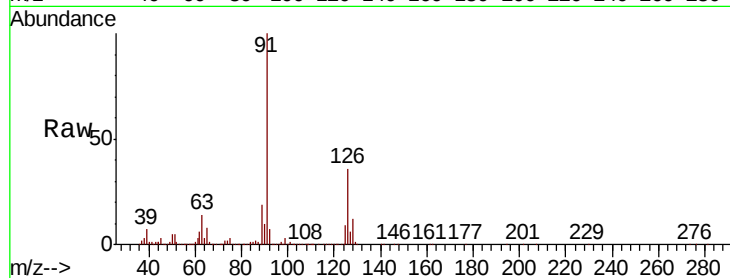
126 37.4 18.6 56.0

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Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006591.D (-1679) (-)

500000

400000

300000

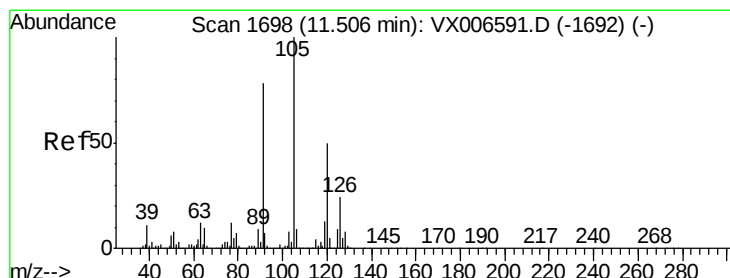
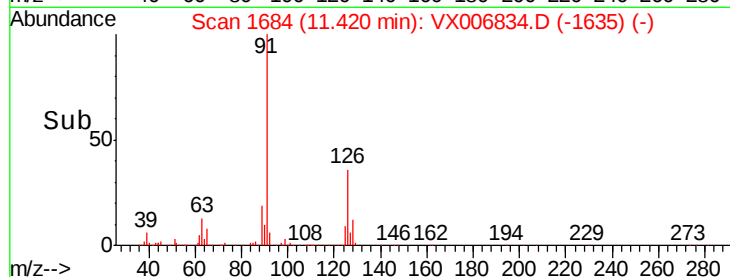
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.999 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006834.D

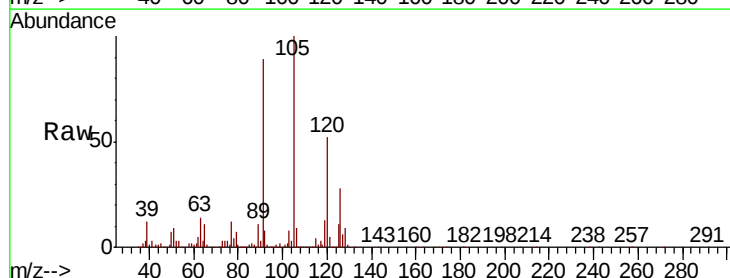
Acq: 27 Dec 2018 11:36

Tgt Ion: 105 Resp: 409867

Ion Ratio Lower Upper

105 100

120 50.5 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006591.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006591.D (-1692) (-)

400000

300000

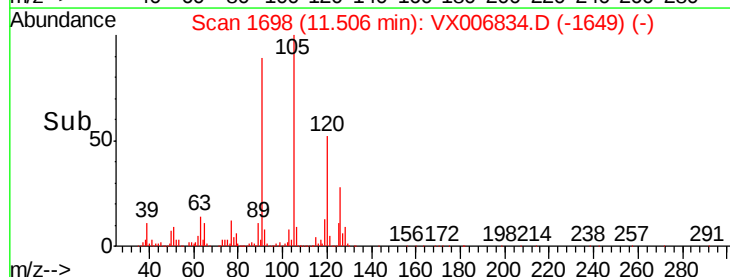
200000

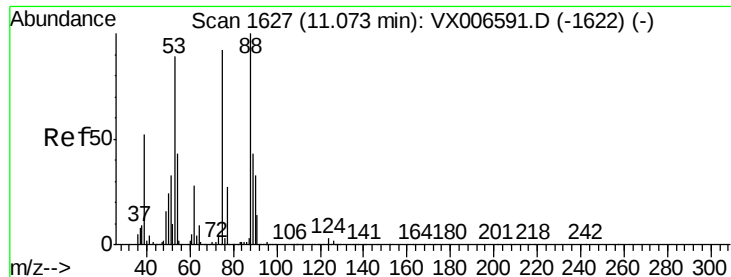
100000

0

11.50 11.51 11.60

Time-->





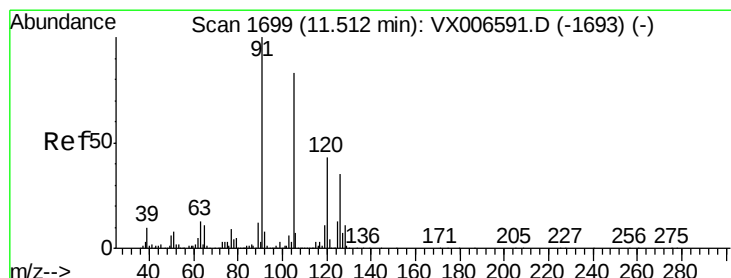
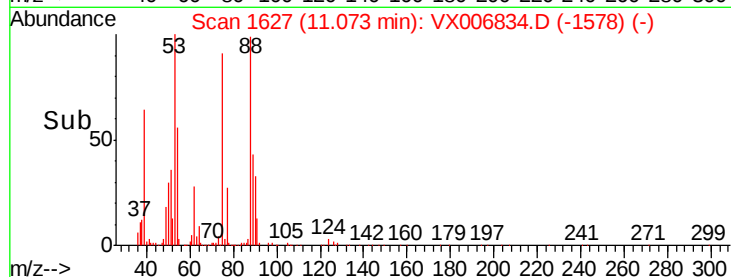
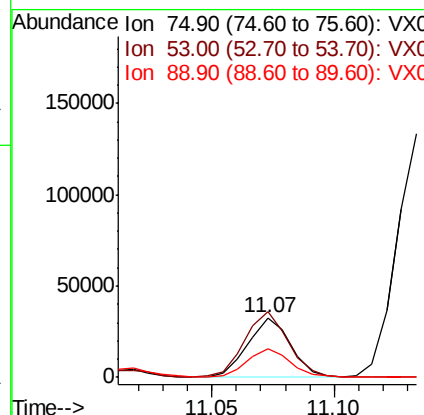
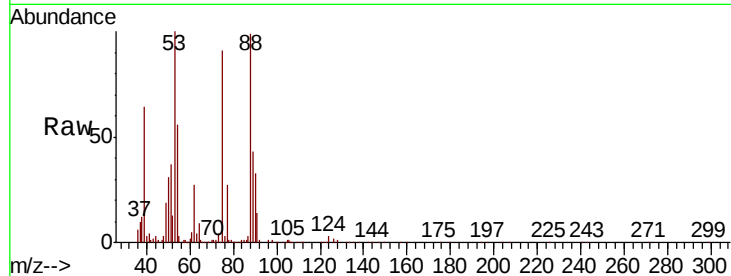
#81
trans-1,4-Dichloro-2-butene
Concen: 19.661 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.4	79.7	119.5
89	48.4	38.0	57.0

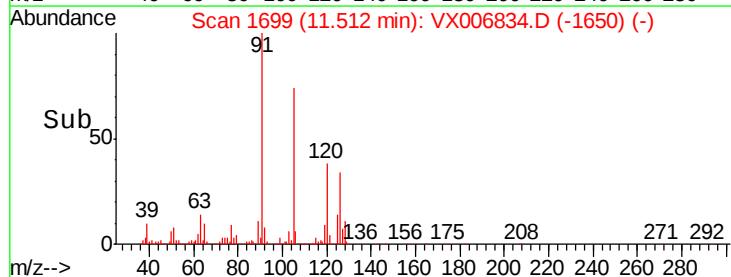
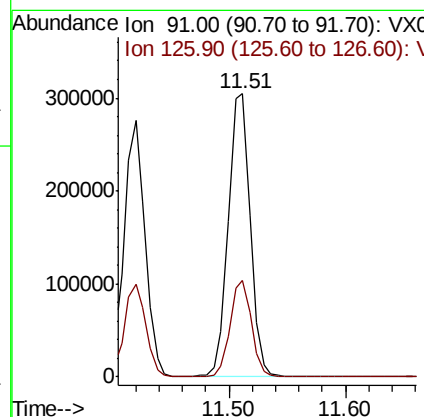
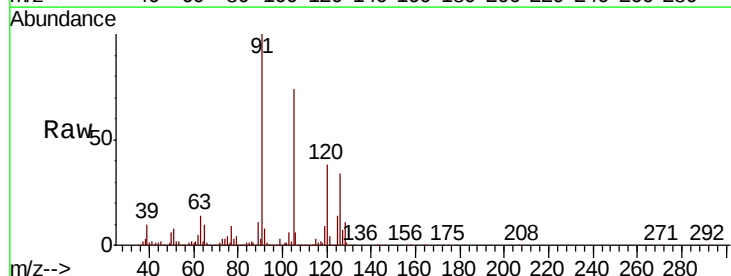
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#82
4-Chlorotoluene
Concen: 19.781 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.3	48.9





#83

tert-Butylbenzene

Concen: 18.602 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

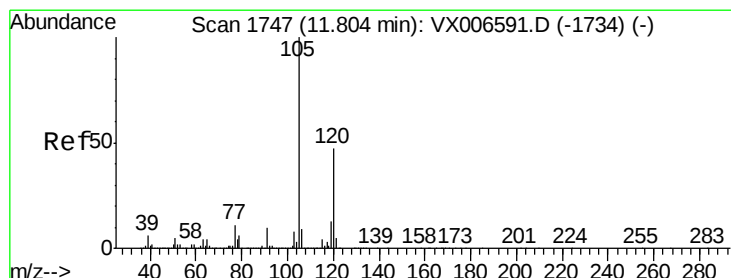
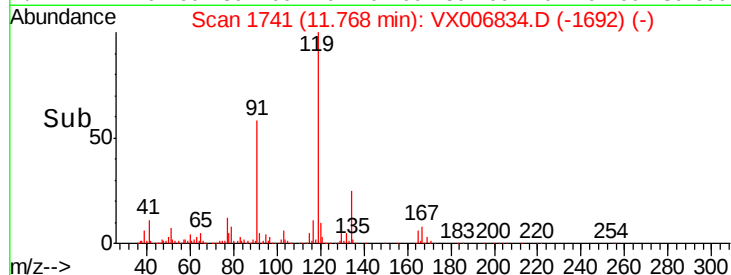
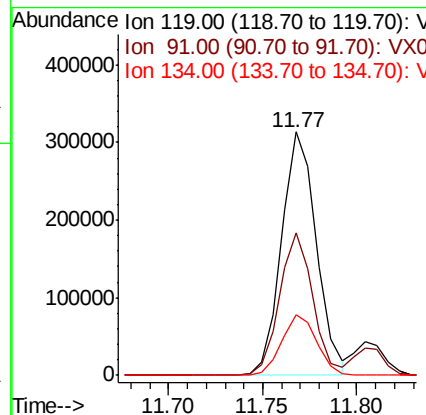
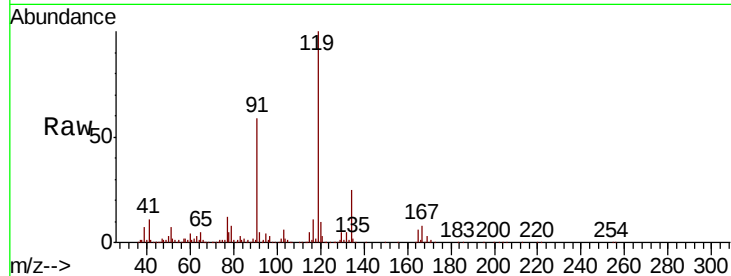
ClientSampleId :

VX1227WBS01

Tot Ion:	119	Resp:	401627
Ion Ratio		Lower	Upper
119	100		
91	56.2	27.7	83.1
134	25.0	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 18.755 ug/l

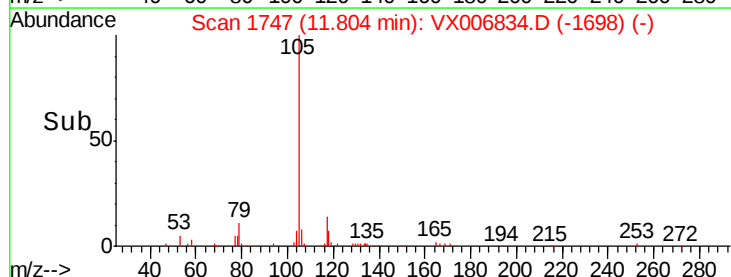
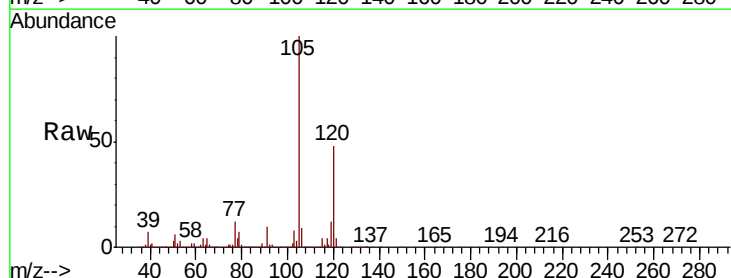
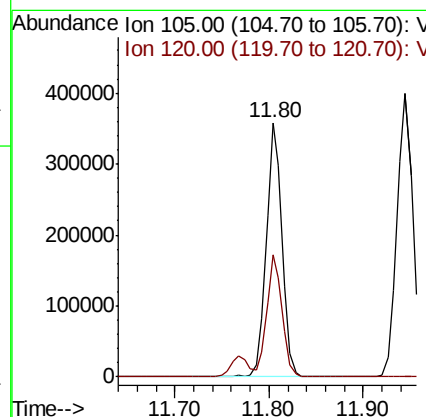
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion:	105	Resp:	425567
Ion Ratio		Lower	Upper
105	100		
120	46.4	23.2	69.6





#85

sec-Butylbenzene

Concen: 17.870 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX1227WBS01

Tot Ion:105 Resp: 473044

Ion Ratio Lower Upper

105 100

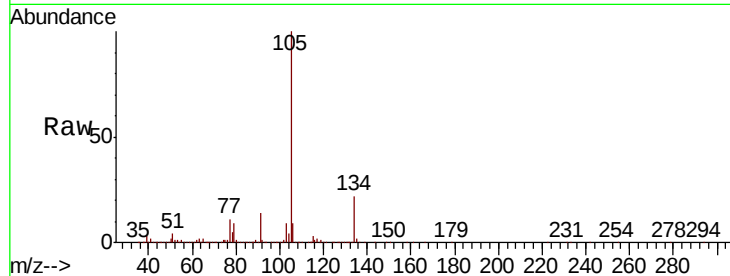
134 21.5 10.7 31.9

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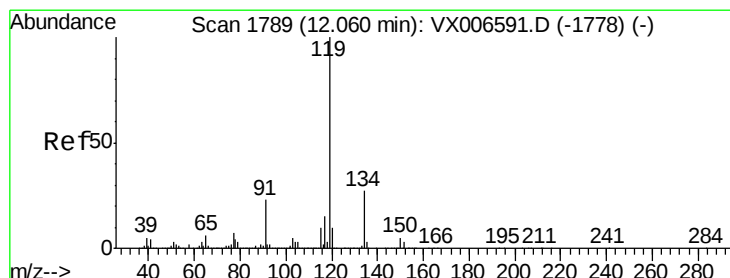
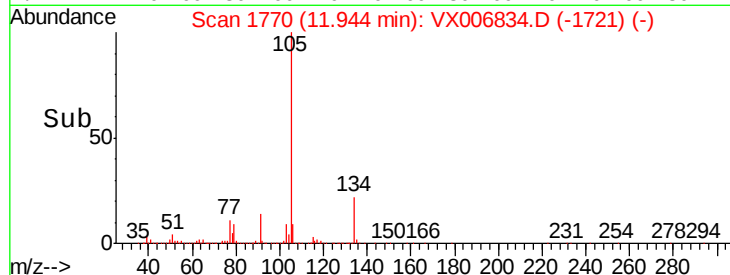
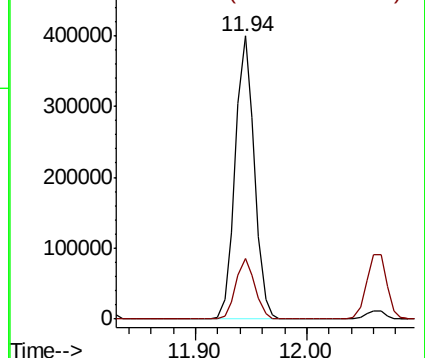
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.102 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

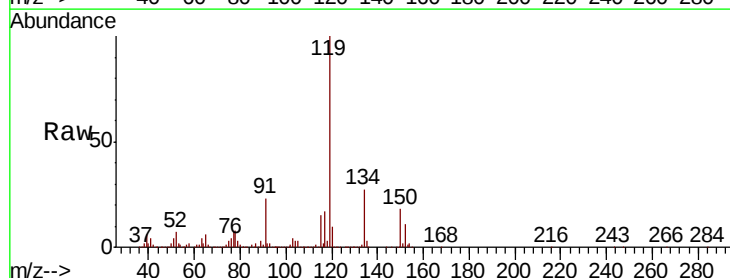
Tgt Ion:119 Resp: 421229

Ion Ratio Lower Upper

119 100

134 27.7 14.0 41.9

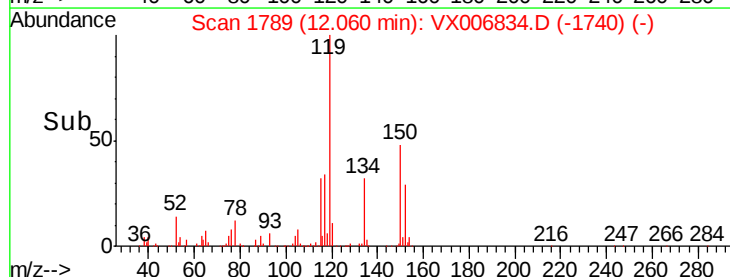
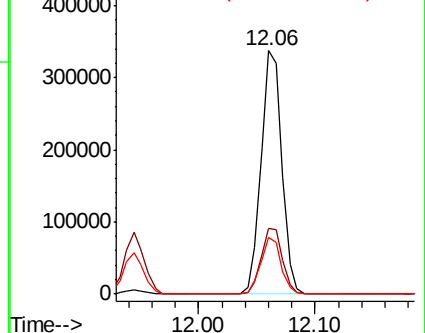
91 22.7 11.3 33.9

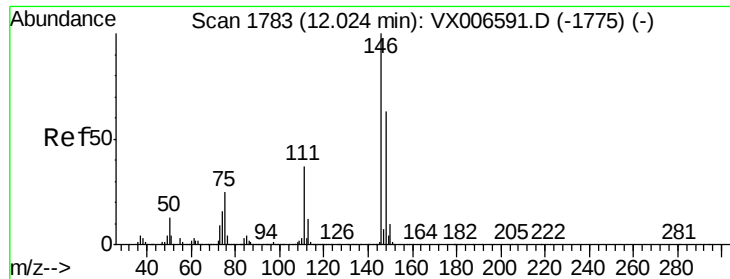


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





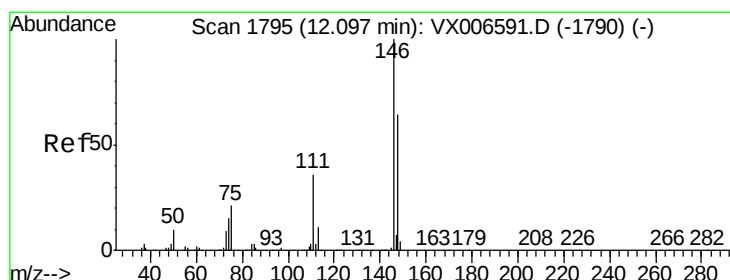
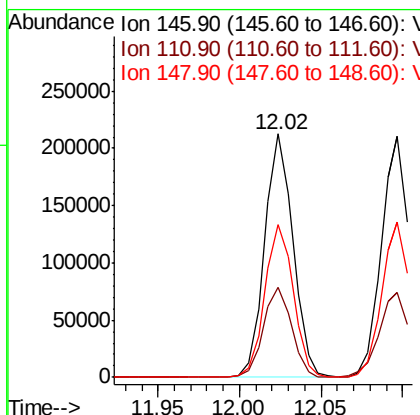
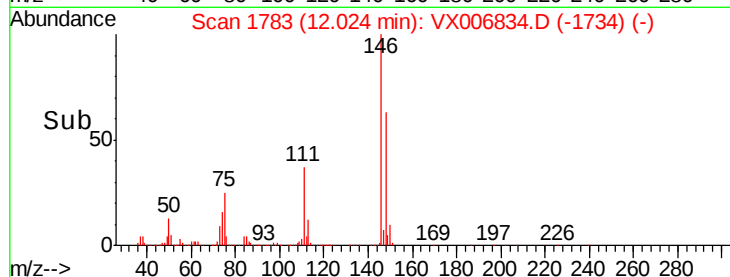
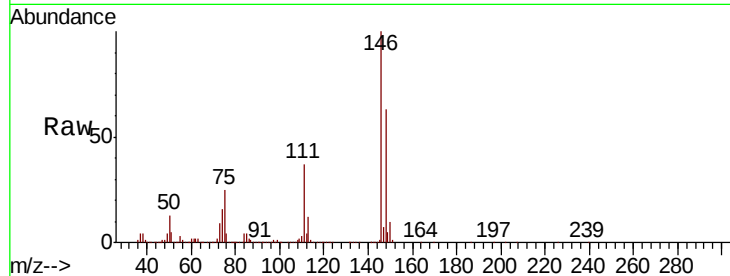
#87
 1,3-Dichlorobenzene
 Concen: 19.970 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1227WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	62.8	31.8	95.3

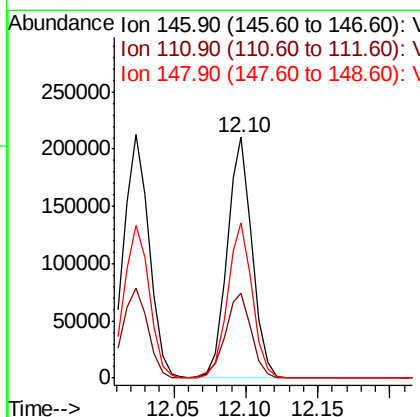
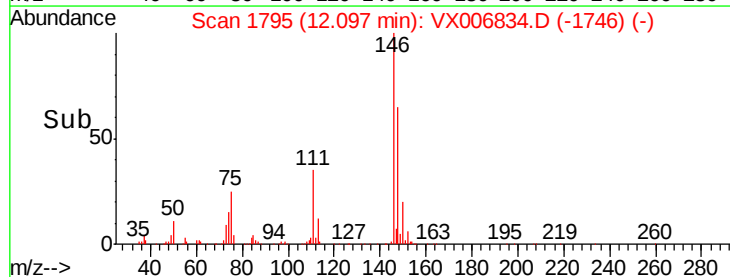
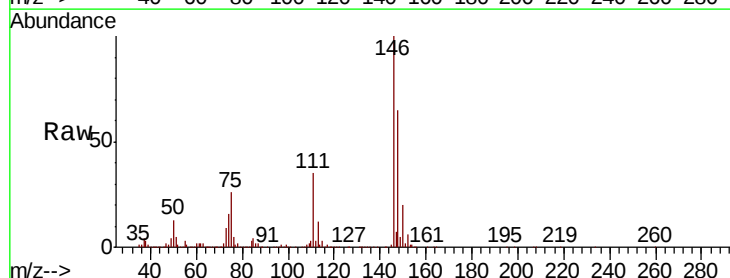
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#88
 1,4-Dichlorobenzene
 Concen: 19.538 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006834.D
 Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	64.2	31.9	95.9





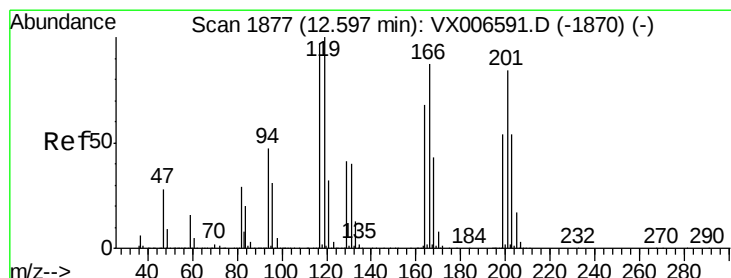
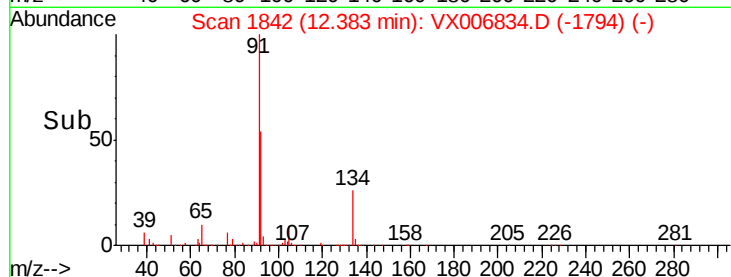
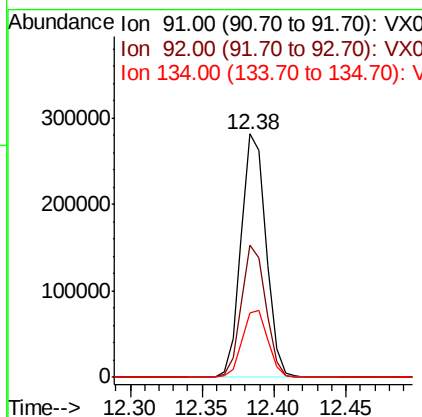
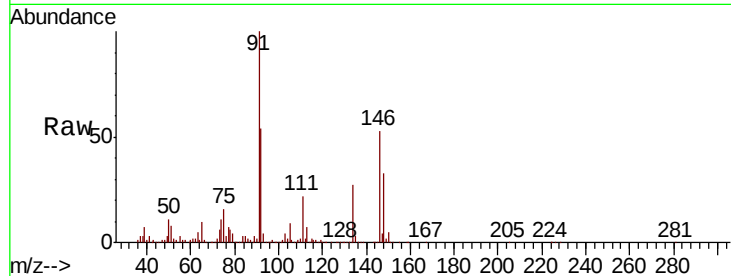
#89
n-Butylbenzene
Concen: 17.189 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	340410		
92	52.9	26.8	80.4	
134	28.2	14.4	43.2	

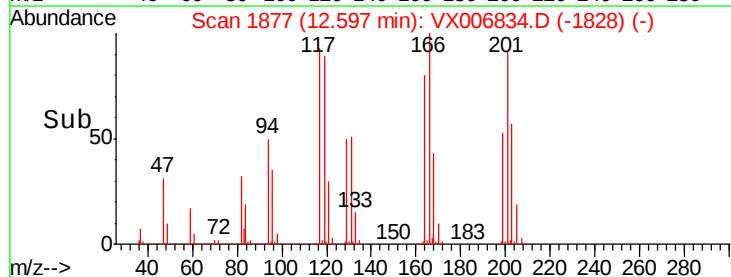
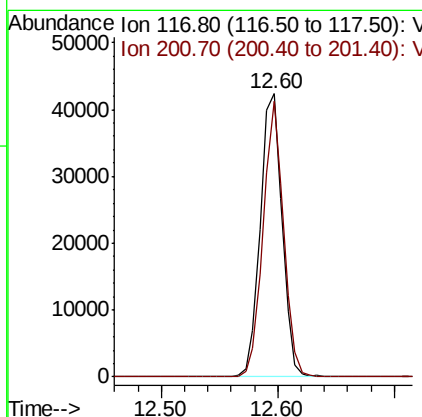
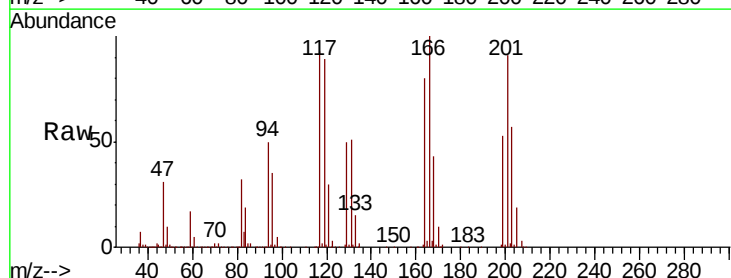
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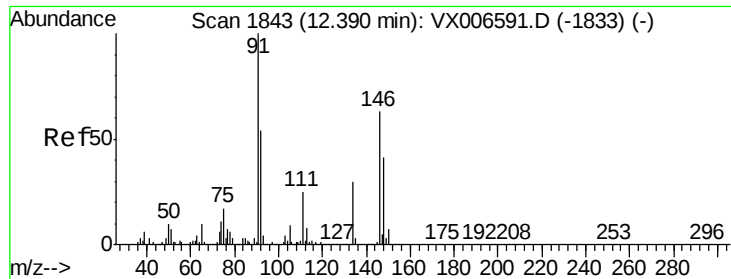
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#90
Hexachloroethane
Concen: 17.606 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	55801		
201	90.7	42.9	128.7	





#91

1,2-Dichlorobenzene

Concen: 19.776 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Instrument :

MSVOA_X

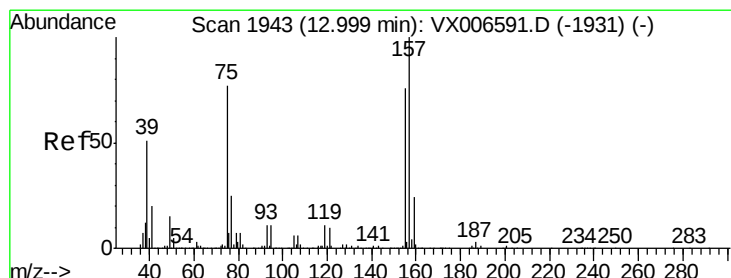
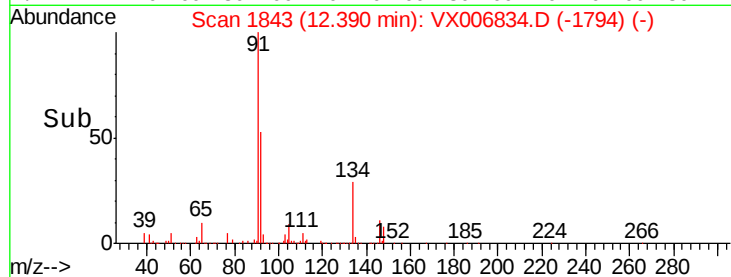
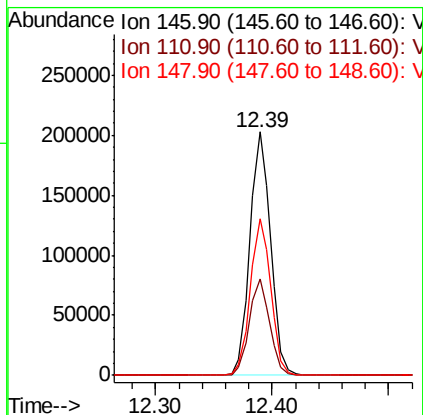
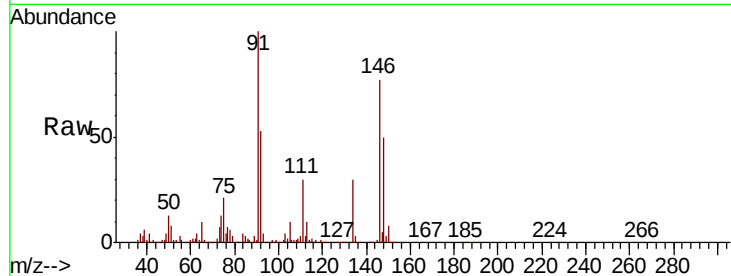
ClientSampleId :

VX1227WBS01

Tot Ion:	146	Resp:	252455
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.4	58.2
148	64.0	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.913 ug/l

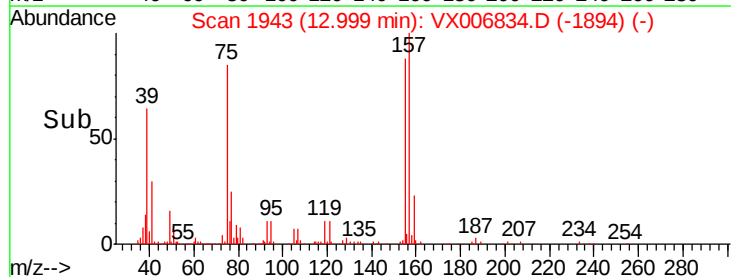
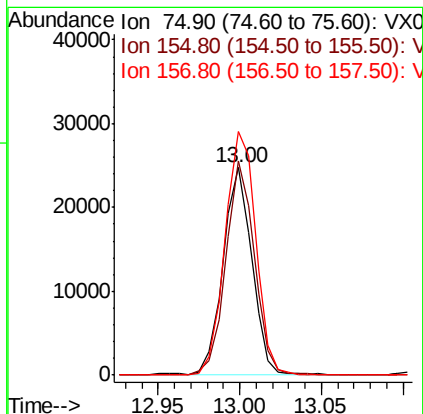
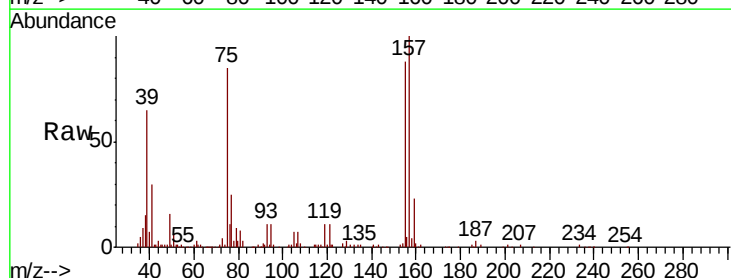
RT: 13.00 min Scan# 1943

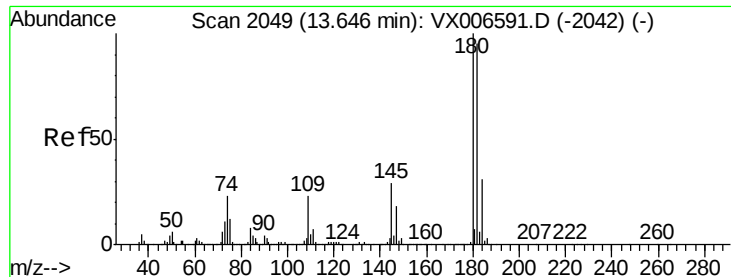
Delta R.T. -0.00 min

Lab File: VX006834.D

Acq: 27 Dec 2018 11:36

Tgt Ion:	75	Resp:	30483
Ion Ratio	Lower	Upper	
75	100		
155	102.5	50.6	151.8
157	125.0	64.6	193.8





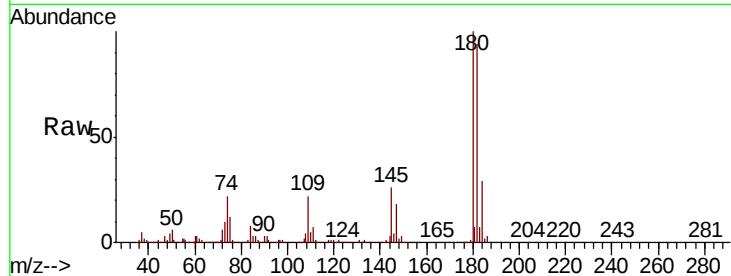
#93
1,2,4-Trichlorobenzene
Concen: 17.665 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155561		
182	95.0	47.3	142.0	
145	28.3	14.8	44.3	

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MMDadoda
12/28/2018 10:28:01 AM

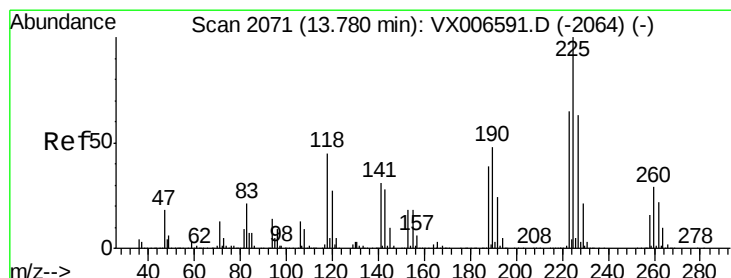
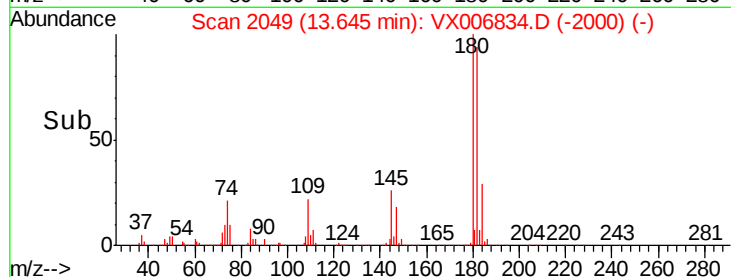
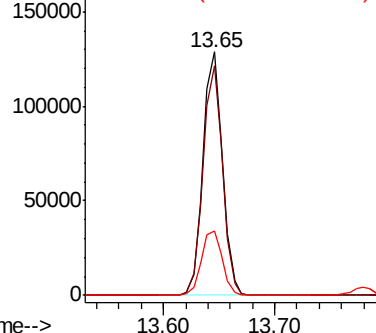


Abundance

Ion 179.80 (179.50 to 180.50): V

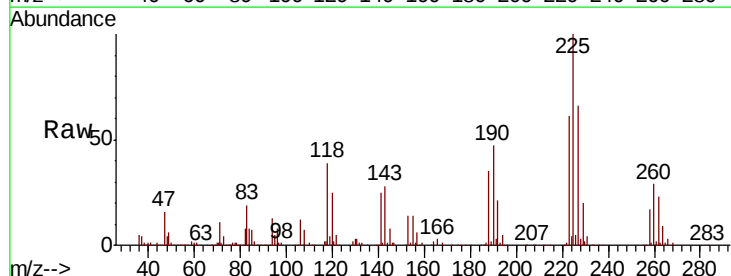
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 14.716 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61082		
223	63.7	32.1	96.3	
227	65.9	32.3	96.8	

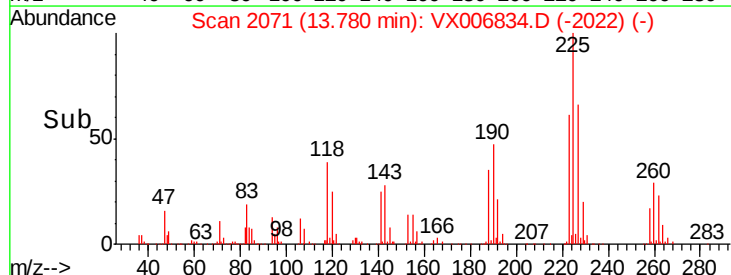
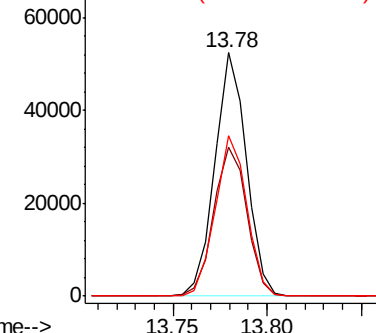


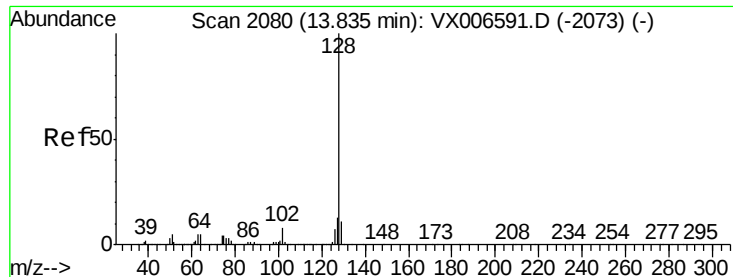
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





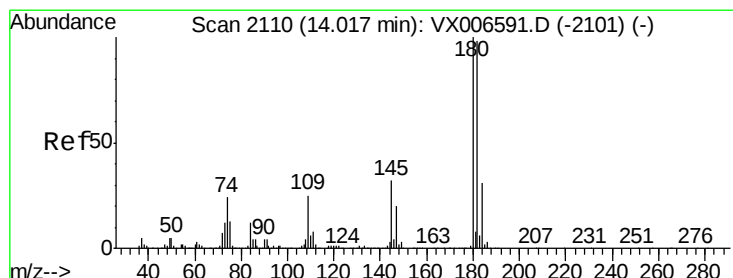
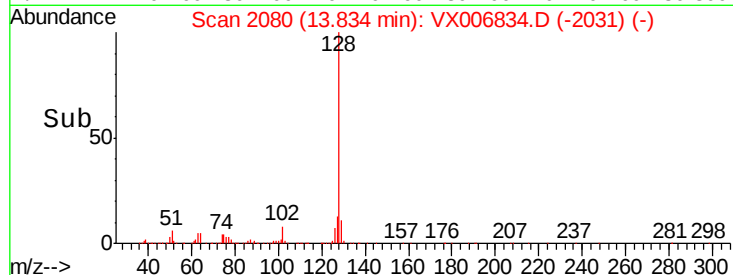
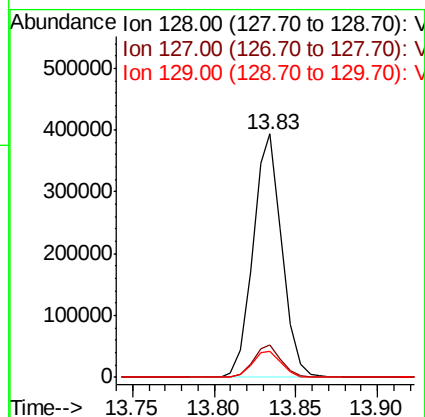
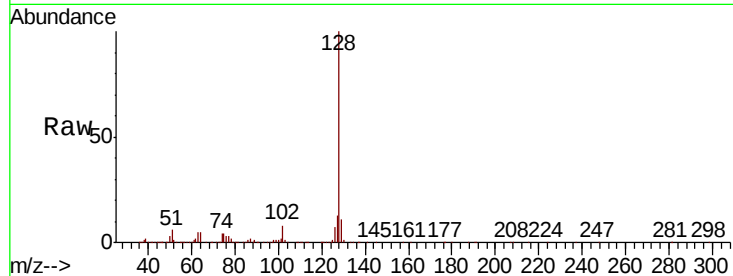
#95
Naphthalene
Concen: 17.156 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX1227WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 17.025 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006834.D
Acq: 27 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.5	145.5
145	30.1	16.0	47.9

