

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122618\
 Data File : VX006813.D
 Acq On : 26 Dec 2018 12:56
 Operator : JC/MD
 Sample : VX1226WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/27/2018 9:39:05 AM

Quant Time: Dec 27 03:32:42 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	568208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	836460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	765494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	408450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	293243	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	5.50	113	261039	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	8.71	98	979661	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.13	95	358920	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	91098	17.525	ug/l	98
3) Chloromethane	1.33	50	102181	18.246	ug/l	96
4) Vinyl Chloride	1.41	62	111200	19.012	ug/l	98
5) Bromomethane	1.64	94	105927	18.188	ug/l	99
6) Chloroethane	1.72	64	71787	17.726	ug/l	99
7) Trichlorofluoromethane	1.93	101	170386	18.685	ug/l	100
8) Diethyl Ether	2.19	74	69028	19.058	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	104025	19.429	ug/l	100
10) Methyl Iodide	2.51	142	150802	19.676	ug/l	99
11) Tert butyl alcohol	3.06	59	153372	112.222	ug/l	100
12) 1,1-Dichloroethene	2.37	96	95666	18.844	ug/l	98
13) Acrolein	2.29	56	78317	84.945	ug/l	98
14) Allyl chloride	2.73	41	166880	19.529	ug/l	99
15) Acrylonitrile	3.15	53	312877	103.108	ug/l	99
16) Acetone	2.45	43	283540	100.778	ug/l	97
17) Carbon Disulfide	2.57	76	205696	15.310	ug/l	100
18) Methyl Acetate	2.78	43	186916	22.593	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	342793	20.344	ug/l	96
20) Methylene Chloride	2.86	84	116574	20.037	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	102477	18.218	ug/l	99
22) Diisopropyl ether	3.87	45	324306	20.745	ug/l	96
23) Vinyl Acetate	3.82	43	1283441	100.366	ug/l	100
24) 1,1-Dichloroethane	3.70	63	179289	19.212	ug/l	99
25) 2-Butanone	4.70	43	405661	102.503	ug/l	98
26) 2,2-Dichloropropane	4.59	77	130593	18.116	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	121687	19.607	ug/l	99
28) Bromochloromethane	5.01	49	79262	18.999	ug/l	100
29) Tetrahydrofuran	5.15	42	269769	103.496	ug/l	98
30) Chloroform	5.21	83	190560	19.718	ug/l	97
31) Cyclohexane	5.57	56	156423	18.450	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	156817	19.217	ug/l	99
36) 1,1-Dichloropropene	5.81	75	134564	19.424	ug/l	98
37) Ethyl Acetate	4.85	43	151258	20.977	ug/l	99
38) Carbon Tetrachloride	5.78	117	134975	20.048	ug/l	94

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	169090	18.539	ug/l	96
40) Benzene	6.15	78	419945	19.942	ug/l	99
41) Methacrylonitrile	5.06	41	84368	22.038	ug/l	99
42) 1,2-Dichloroethane	6.20	62	141586	19.731	ug/l	100
43) Isopropyl Acetate	6.46	43	235247	21.442	ug/l	100
44) Trichloroethene	7.21	130	123384	19.358	ug/l	94
45) 1,2-Dichloropropane	7.52	63	104783	20.447	ug/l	99
46) Dibromomethane	7.66	93	75791	20.107	ug/l	100
47) Bromodichloromethane	7.90	83	123096	19.670	ug/l	95
48) Methyl methacrylate	7.77	41	120532	21.604	ug/l	97
49) 1,4-Dioxane	7.75	88	65072	434.528	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	785879	112.579	ug/l	98
52) Toluene	8.78	92	272915	20.061	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	130951	19.511	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	150520	20.439	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	115287	20.703	ug/l	97
56) Ethyl methacrylate	9.18	69	170290	21.637	ug/l	96
57) 1,3-Dichloropropane	9.37	76	180183	20.111	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	433614	103.644	ug/l	100
59) 2-Hexanone	9.49	43	608404	113.911	ug/l	99
60) Dibromochloromethane	9.58	129	104542	19.440	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123601	20.880	ug/l	98
64) Tetrachloroethene	9.34	164	124698	20.572	ug/l	96
65) Chlorobenzene	10.13	112	324529	20.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	107408	21.258	ug/l	99
67) Ethyl Benzene	10.25	91	530441	20.044	ug/l	100
68) m/p-Xylenes	10.36	106	420987	40.315	ug/l	99
69) o-Xylene	10.69	106	208694	20.239	ug/l	99
70) Styrene	10.71	104	331261	20.306	ug/l	98
71) Bromoform	10.85	173	76892	19.826	ug/l #	98
73) Isopropylbenzene	11.02	105	551728	19.745	ug/l	99
74) N-amyl acetate	10.90	43	221647	22.160	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	177091	21.310	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	163000m	21.474	ug/l	
77) Bromobenzene	11.26	156	151183	20.012	ug/l	99
78) n-propylbenzene	11.36	91	614400	19.967	ug/l	98
79) 2-Chlorotoluene	11.42	91	363394	19.488	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	455737	19.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	38579	18.390	ug/l	90
82) 4-Chlorotoluene	11.51	91	422017	19.730	ug/l	100
83) tert-Butylbenzene	11.77	119	463535	20.123	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	471214	19.465	ug/l	98
85) sec-Butylbenzene	11.94	105	565721	20.031	ug/l	100
86) p-Isopropyltoluene	12.06	119	500440	20.158	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	273234	20.068	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	270319	19.368	ug/l	98
89) n-Butylbenzene	12.38	91	415127	19.648	ug/l	99
90) Hexachloroethane	12.60	117	65611	19.068	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	273598	20.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35708	20.766	ug/l	95

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Instrument :
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ClientSampleId :
VX1226WBS01

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	190660	20.294	ug/l	97
94) Hexachlorobutadiene	13.78	225	91119	20.577	ug/l	99
95) Naphthalene	13.83	128	599783	20.003	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	198675	20.482	ug/l	95

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

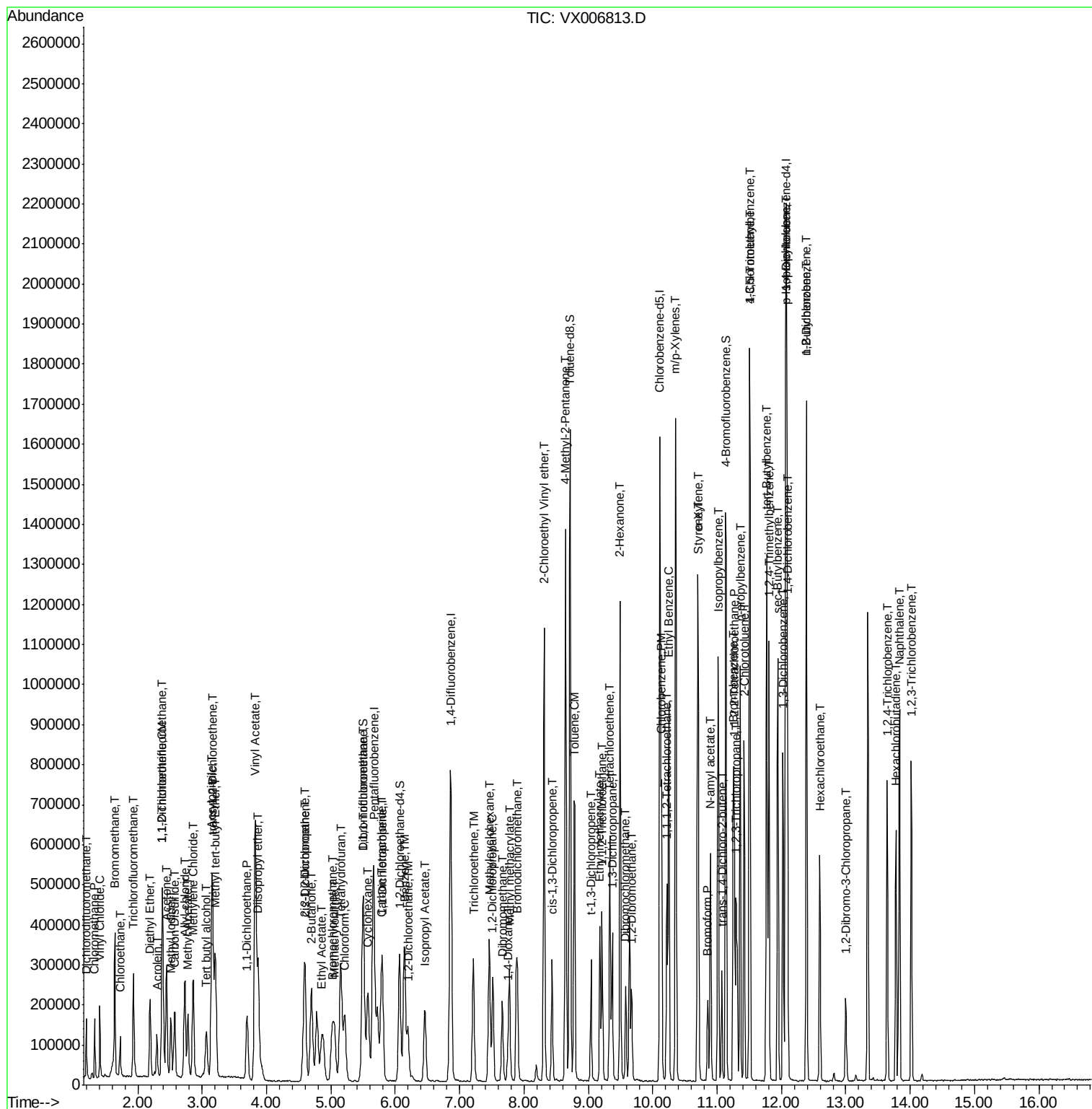
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122618\
Data File : VX006813.D
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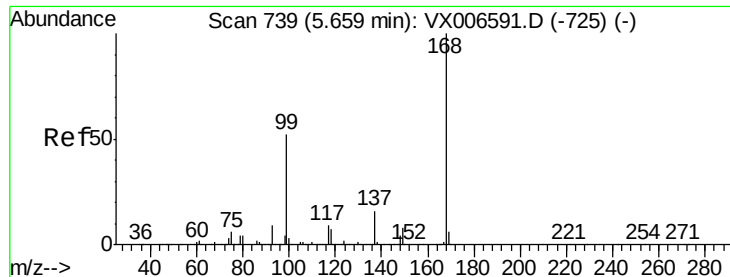
Instrument :
MSVOA_X
Client Sampled :
VX1226WBS01

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion:168 Resp: 568208

Ion Ratio Lower Upper

168 100

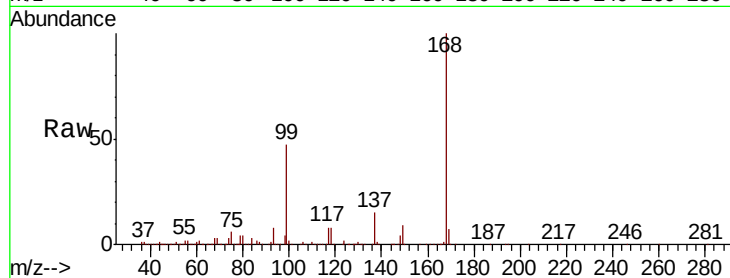
99 47.1 41.8 62.8

Manual Integrations

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12/27/2018 9:39:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

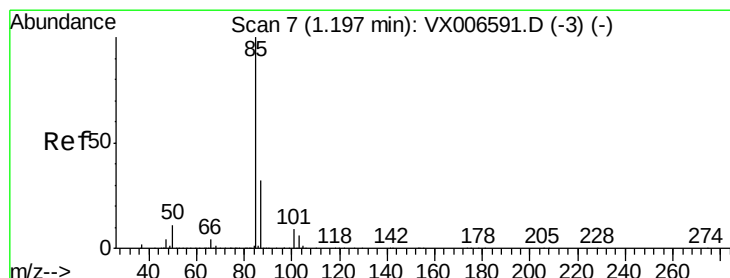
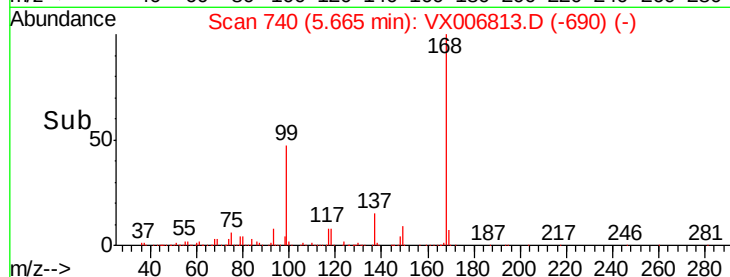
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.525 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006813.D

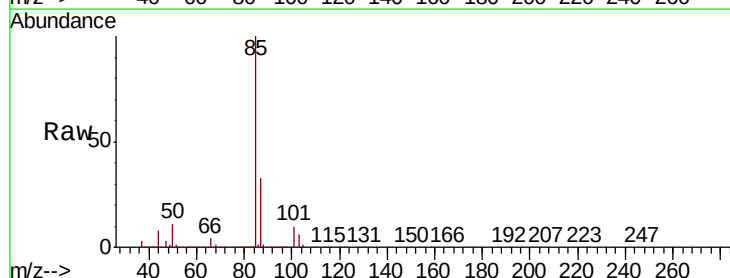
Acq: 26 Dec 2018 12:56

Tgt Ion: 85 Resp: 91098

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

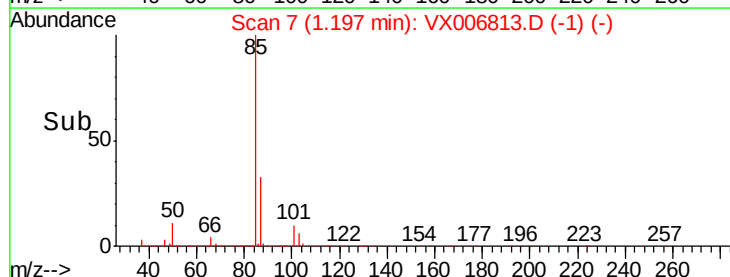
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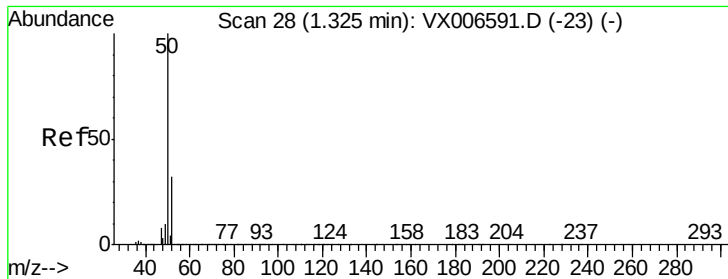
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.246 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 50 Resp: 102181

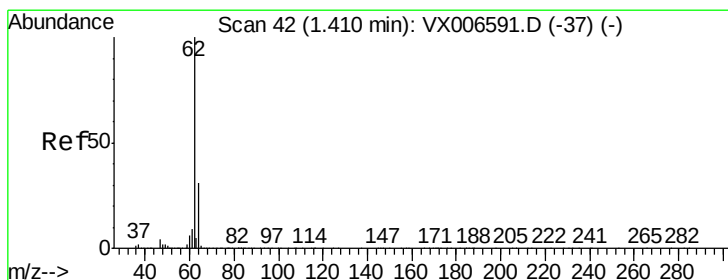
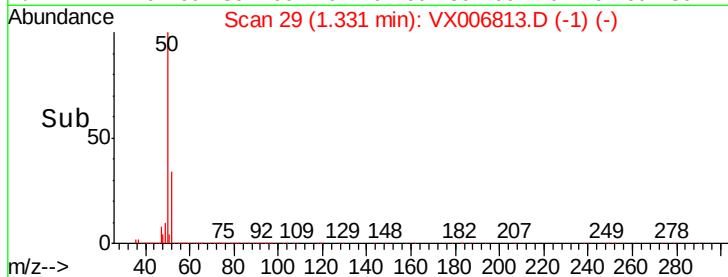
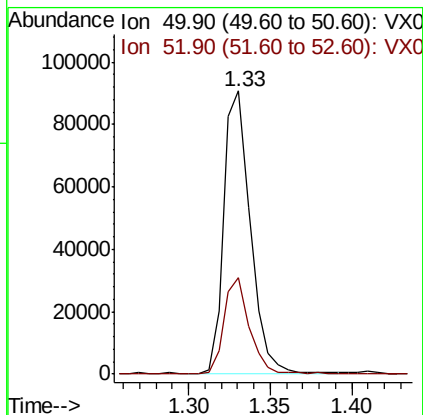
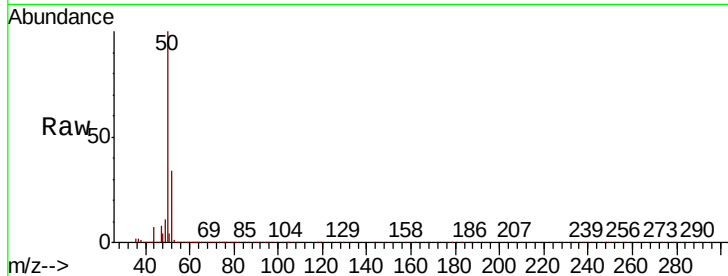
Ion Ratio Lower Upper

50 100

52 34.0 25.4 38.2

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#4

Vinyl Chloride

Concen: 19.012 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006813.D

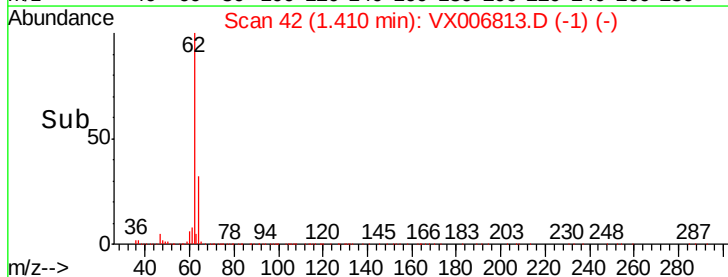
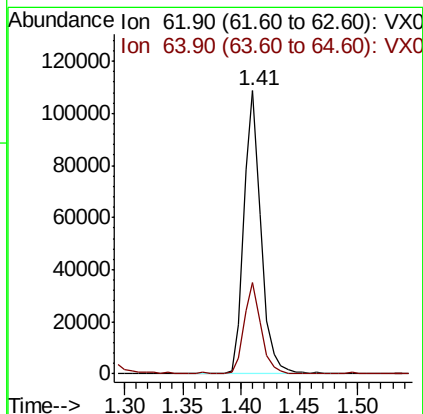
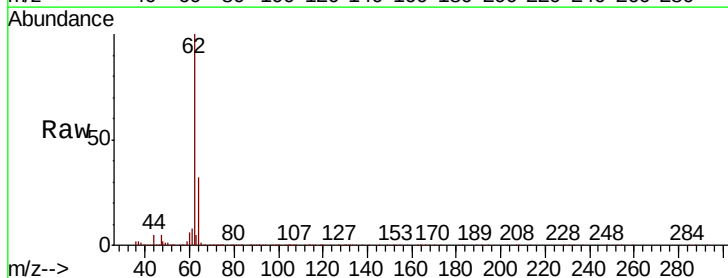
Acq: 26 Dec 2018 12:56

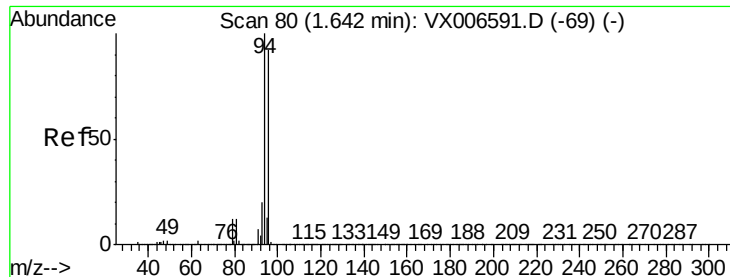
Tgt Ion: 62 Resp: 111200

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 18.188 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 94 Resp: 105927

Ion Ratio Lower Upper

94 100

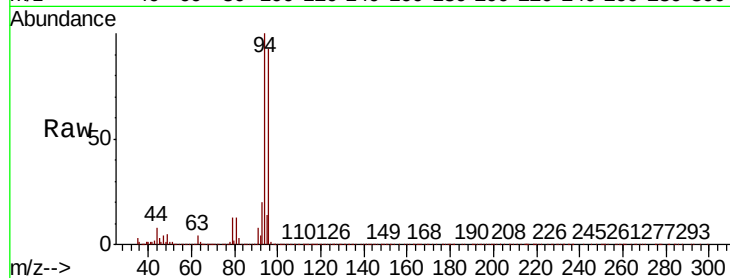
96 92.9 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120000

100000

80000

60000

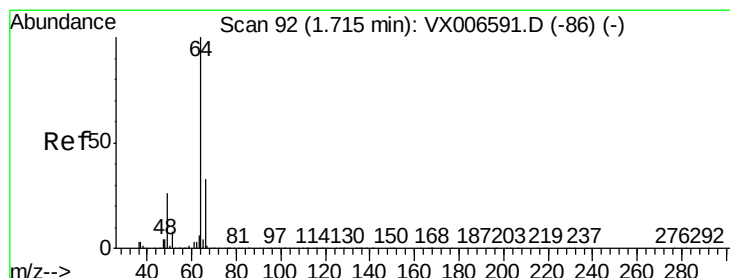
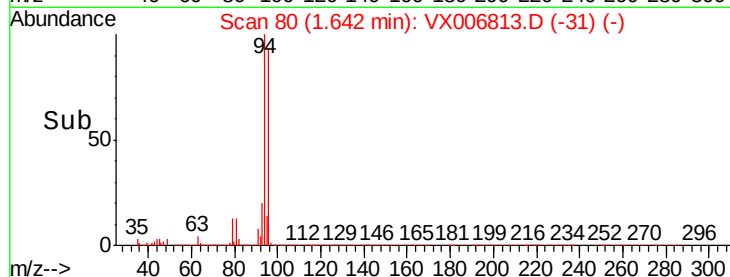
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 17.726 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006813.D

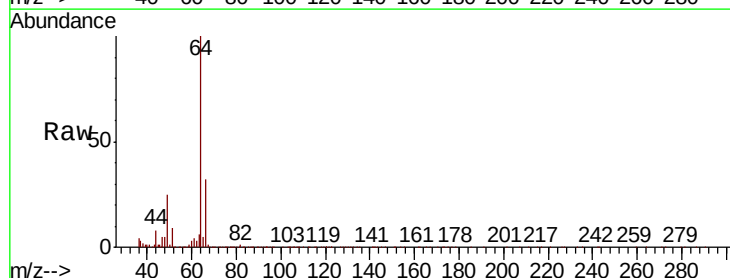
Acq: 26 Dec 2018 12:56

Tgt Ion: 64 Resp: 71787

Ion Ratio Lower Upper

64 100

66 32.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

50000

40000

30000

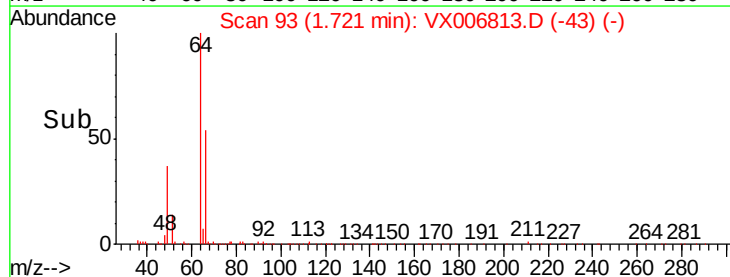
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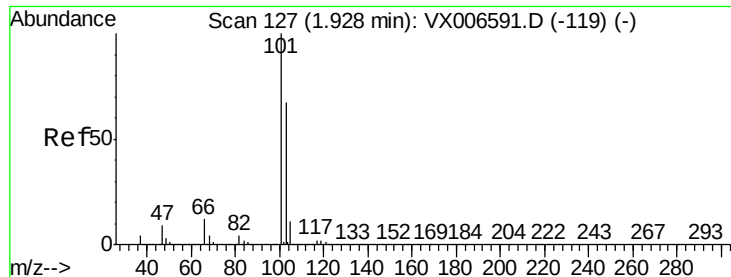
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1.65 1.70 1.75 1.80 1.85

Time-->





#7

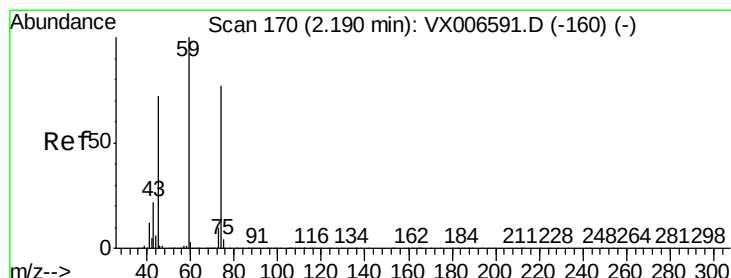
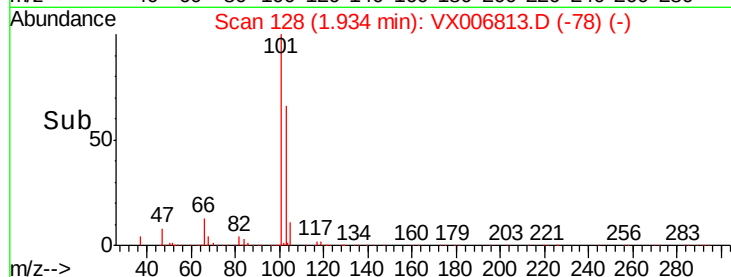
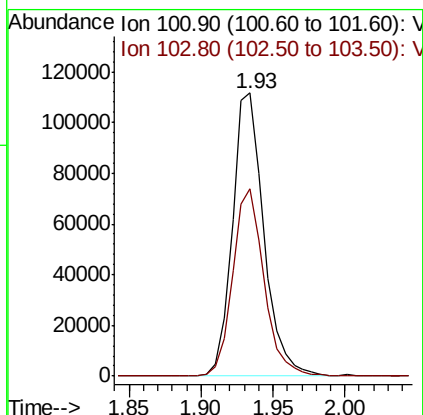
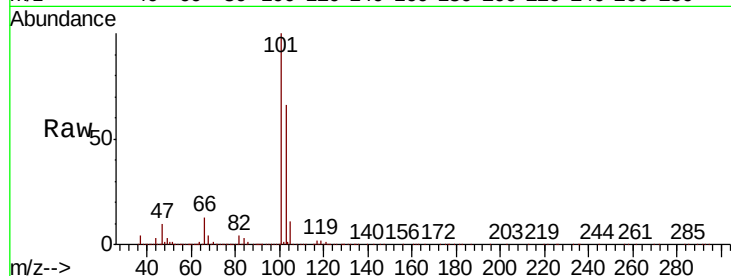
Trichlorofluoromethane
Concen: 18.685 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	53.2	79.8

Manual Integrations
APPROVED

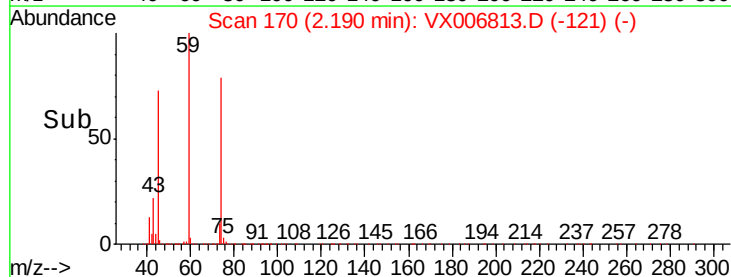
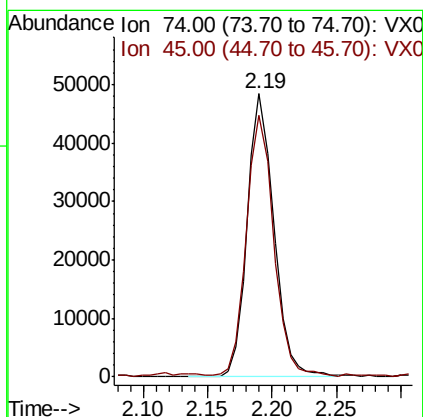
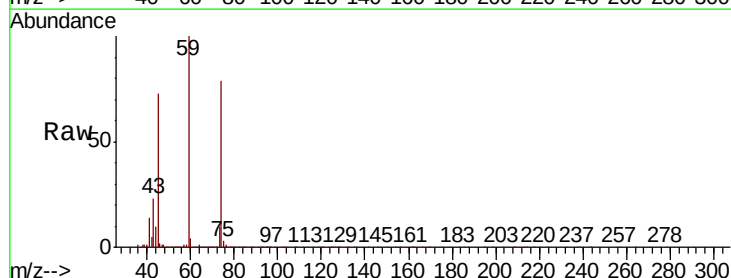
MMDadoda
12/27/2018 9:39:05 AM

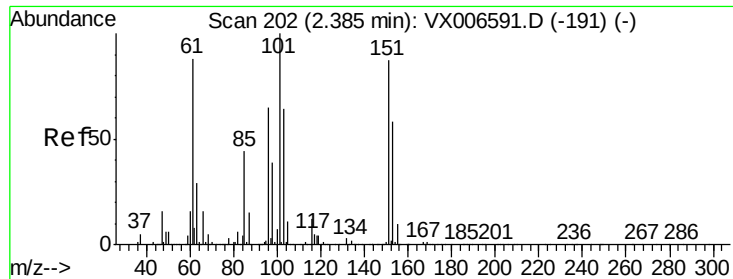


#8

Diethyl Ether
Concen: 19.058 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	46.3	138.9





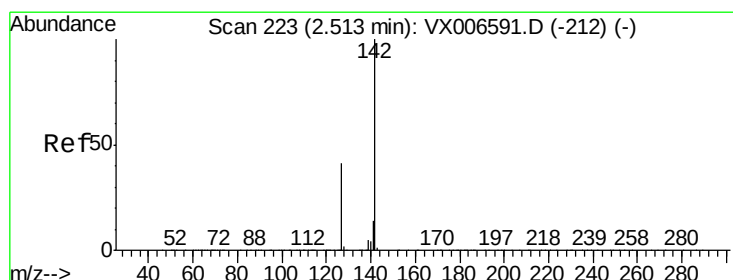
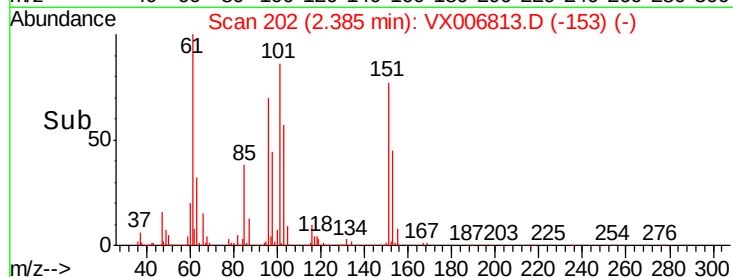
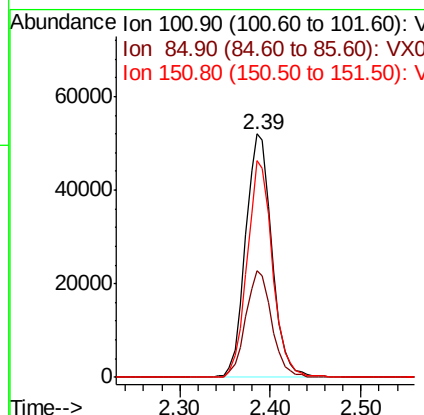
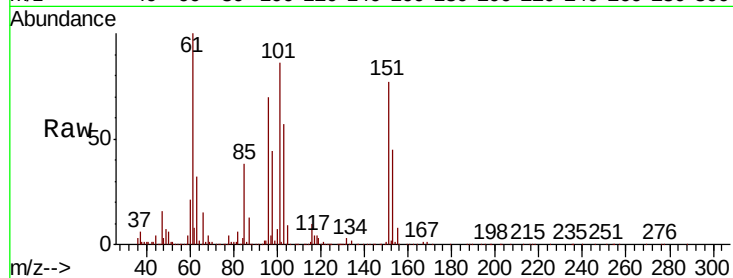
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.429 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	104025		
85	43.5	35.1	52.7	
151	85.7	68.9	103.3	

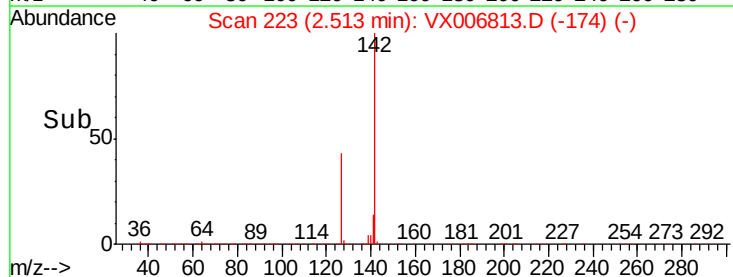
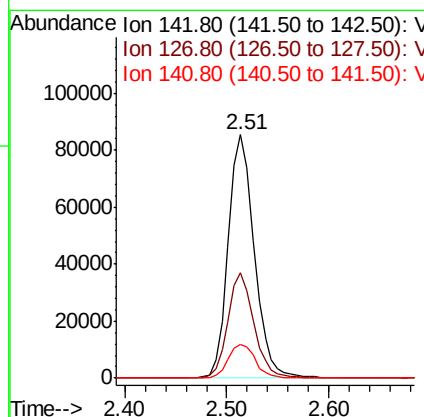
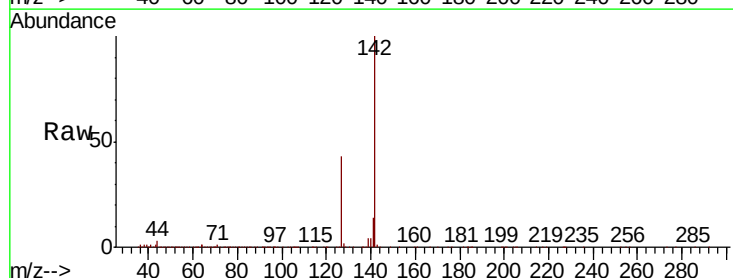
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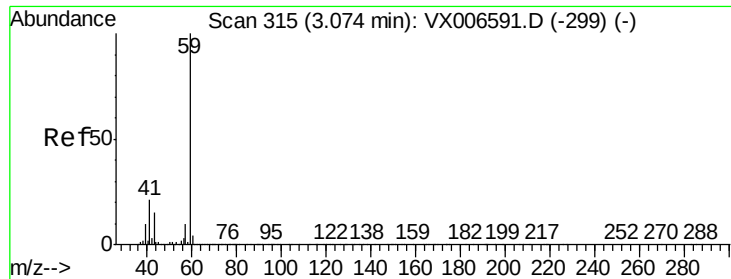
MMDadoda
 12/27/2018 9:39:05 AM



#10
 Methyl Iodide
 Concen: 19.676 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	150802		
127	42.7	33.9	50.9	
141	14.6	11.4	17.0	





#11

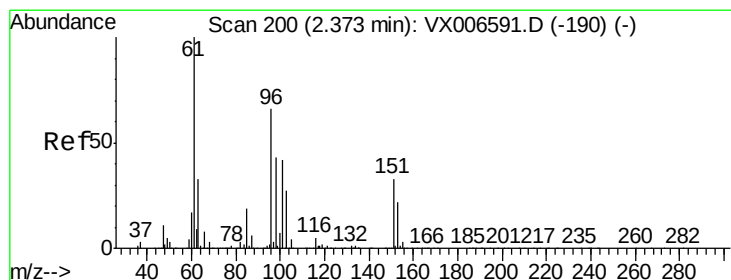
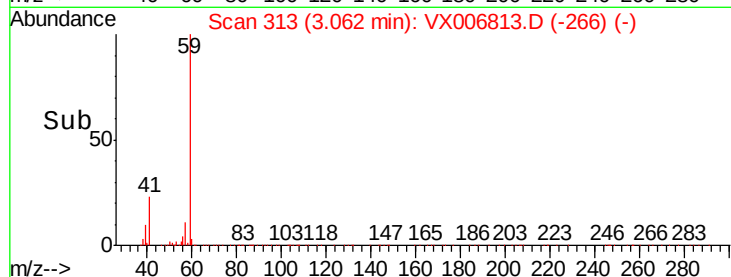
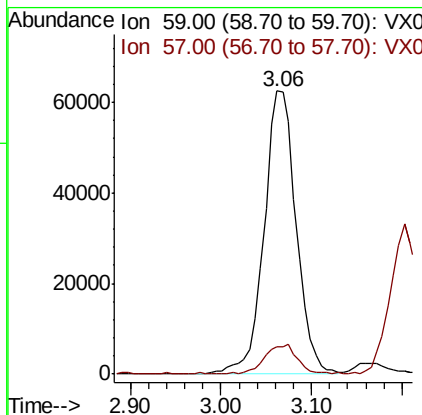
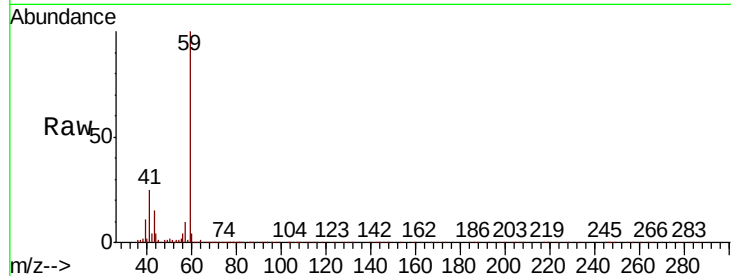
Tert butyl alcohol
Concen: 112.222 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

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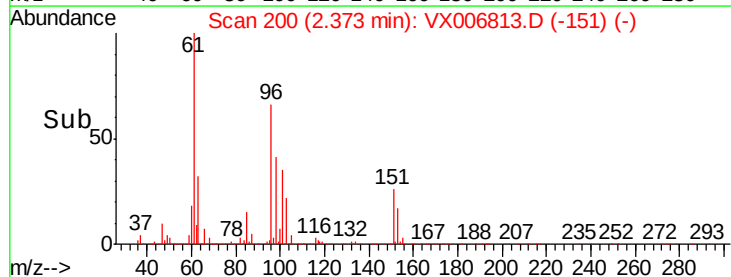
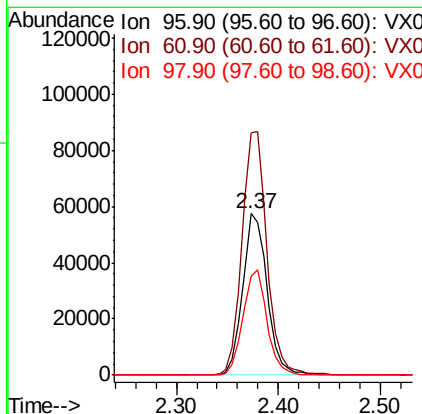
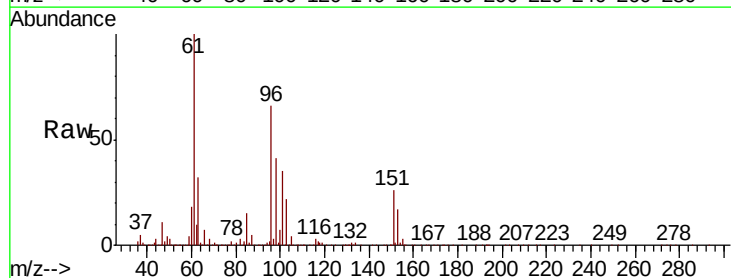
MMDadoda
12/27/2018 9:39:05 AM

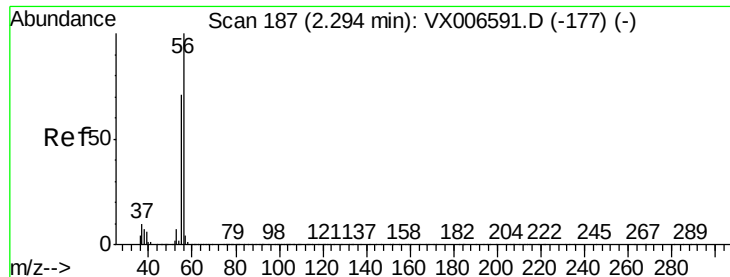


#12

1,1-Dichloroethene
Concen: 18.844 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	121.4	182.2
98	61.9	51.9	77.9





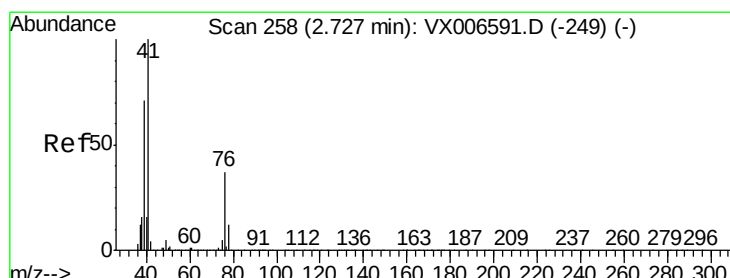
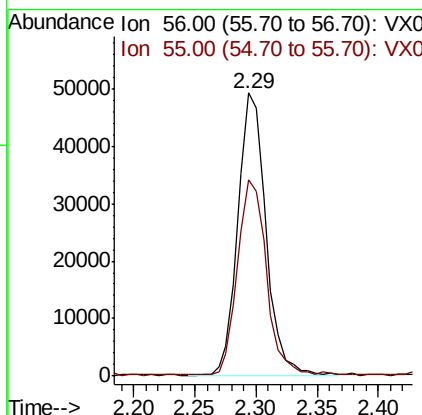
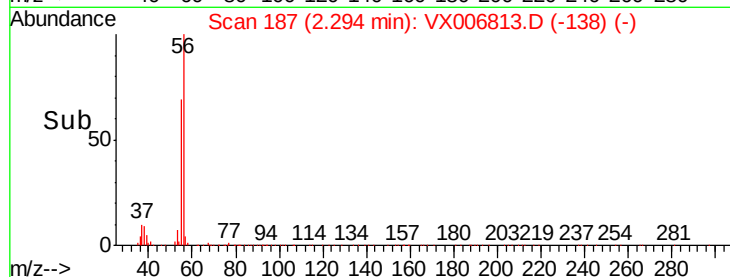
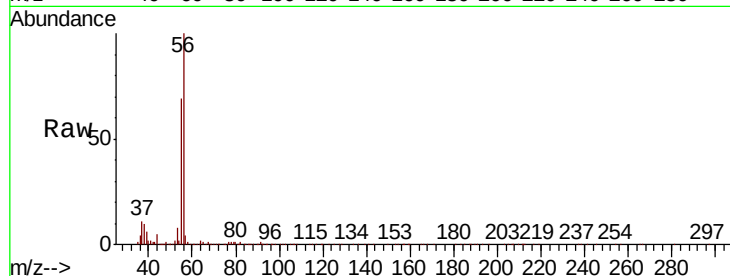
#13
Acrolein
Concen: 84.945 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	58.2	87.4

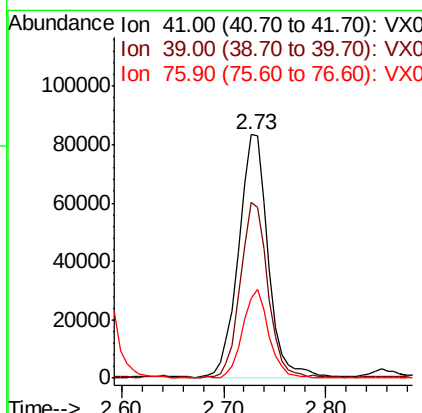
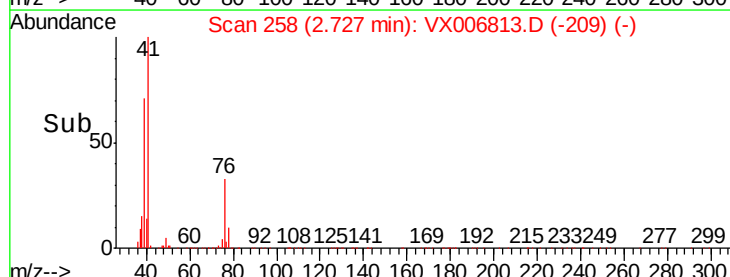
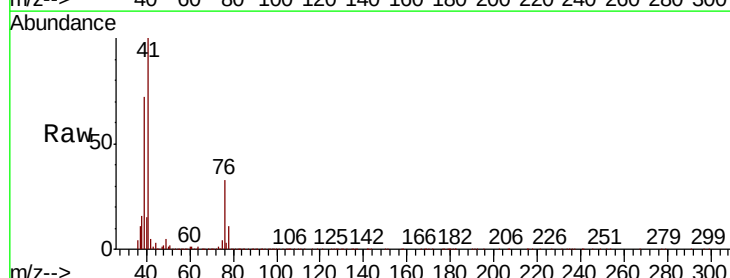
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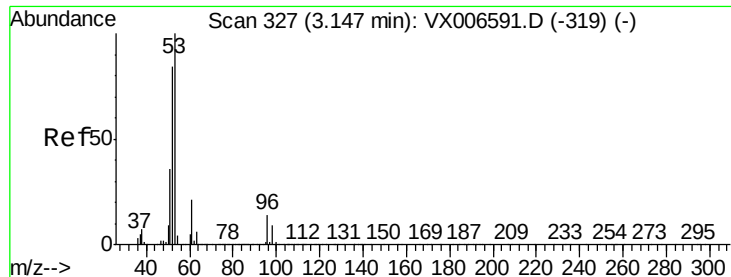
MMDadoda
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#14
Allyl chloride
Concen: 19.529 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.1	53.6	80.4
76	32.0	27.4	41.2





#15

Acrylonitrile

Concen: 103.108 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

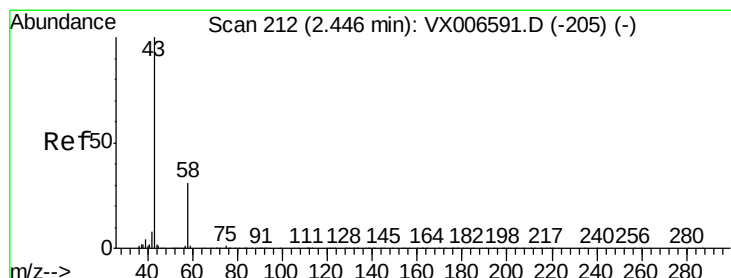
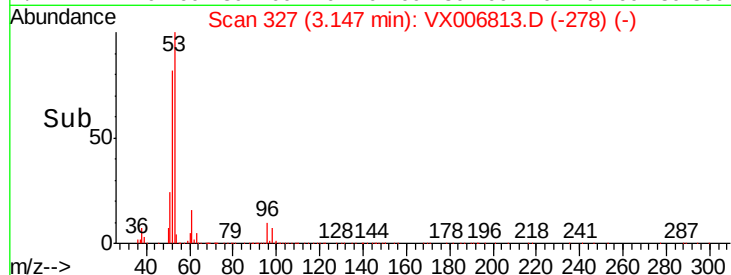
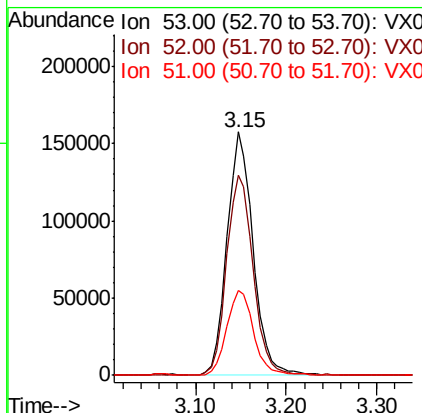
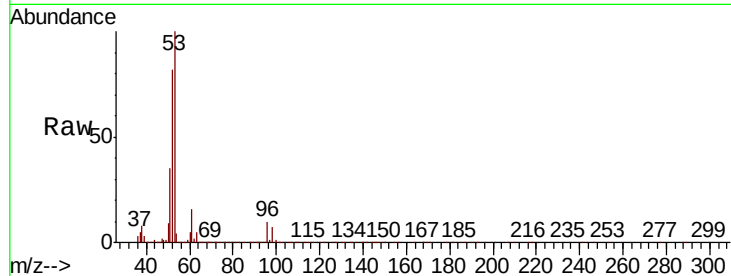
ClientSampleId :

VX1226WBS01

Tot Ion:	53	Resp:	312877
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.0	99.0
51	35.9	28.6	42.8

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#16

Acetone

Concen: 100.778 ug/l

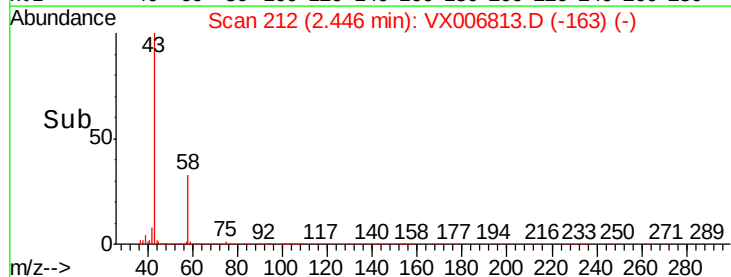
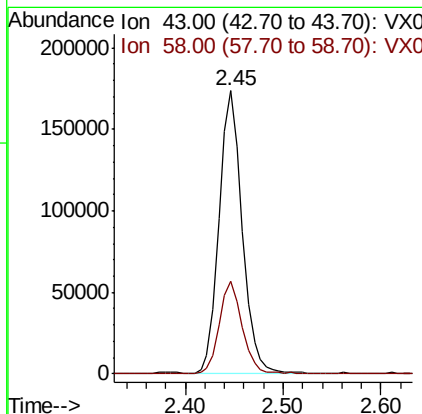
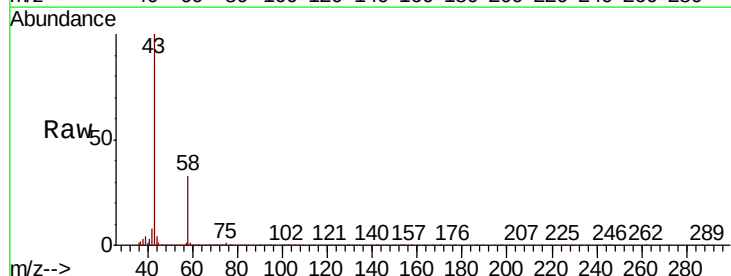
RT: 2.45 min Scan# 212

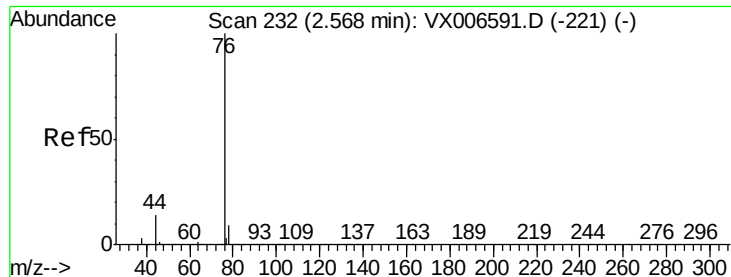
Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Tgt Ion:	43	Resp:	283540
Ion Ratio		Lower	Upper
43	100		
58	32.8	25.0	37.6





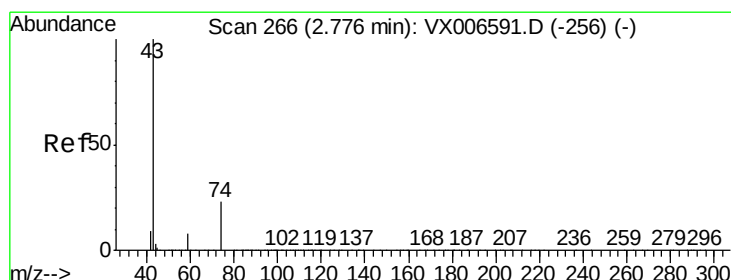
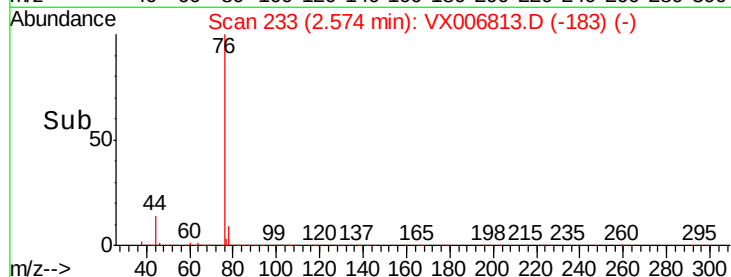
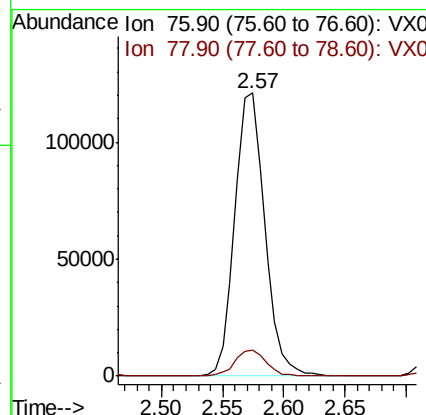
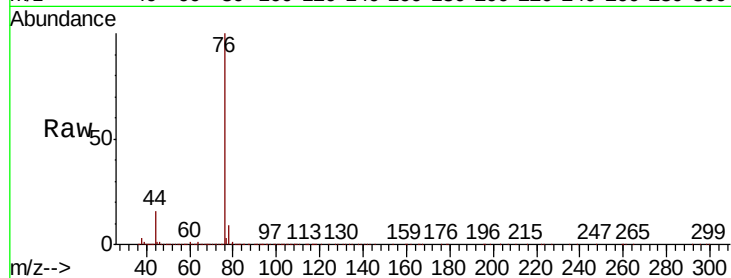
#17
Carbon Disulfide
Concen: 15.310 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

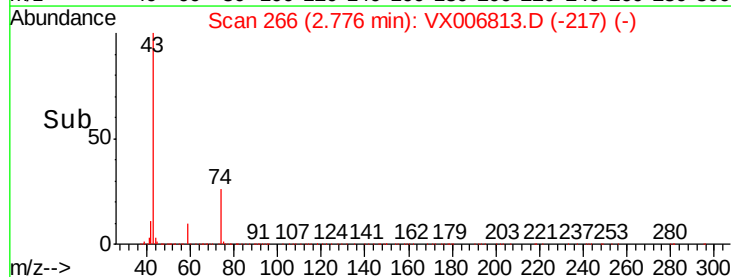
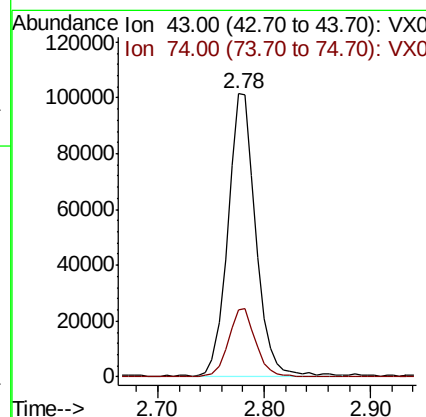
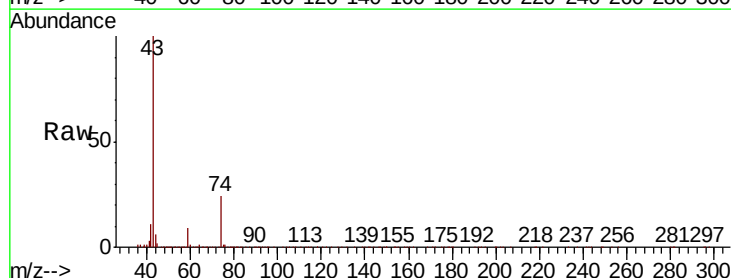
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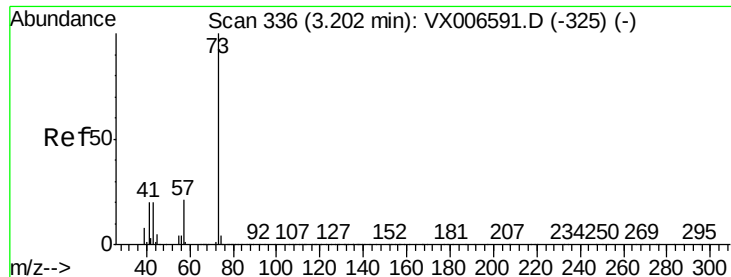
MMDadoda
12/27/2018 9:39:05 AM



#18
Methyl Acetate
Concen: 22.593 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.6	28.0





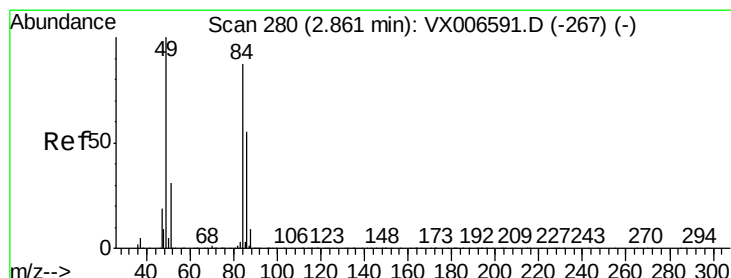
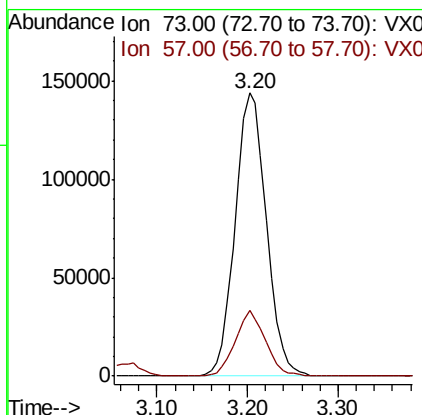
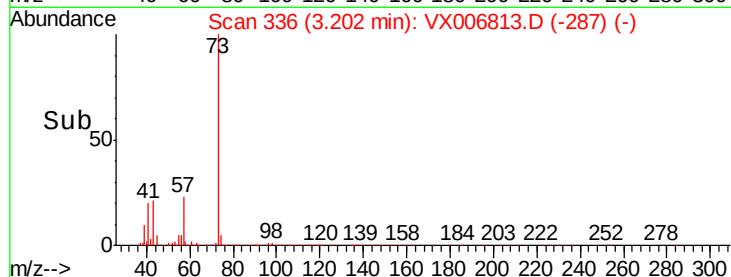
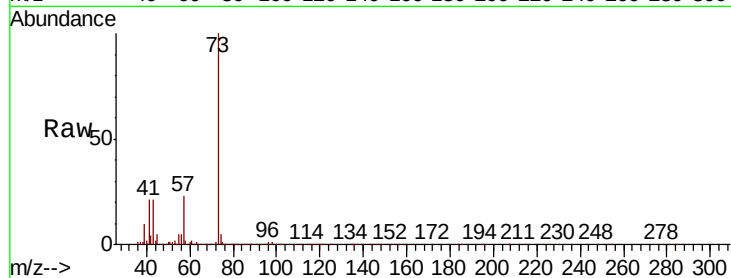
#19
Methyl tert-butyl Ether
Concen: 20.344 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	16.8	25.2

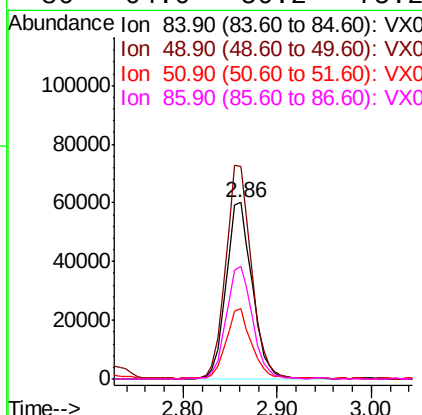
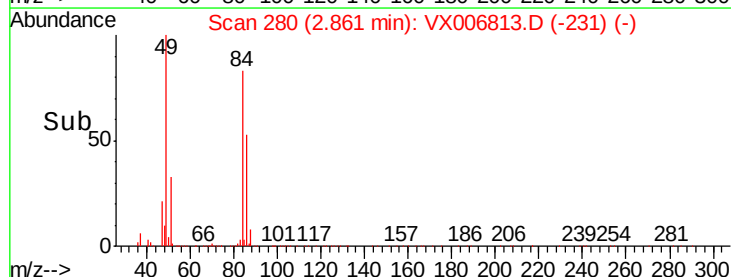
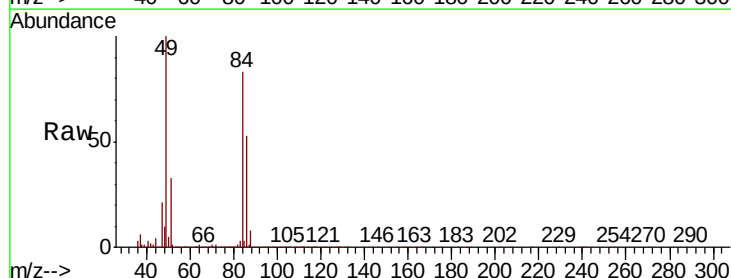
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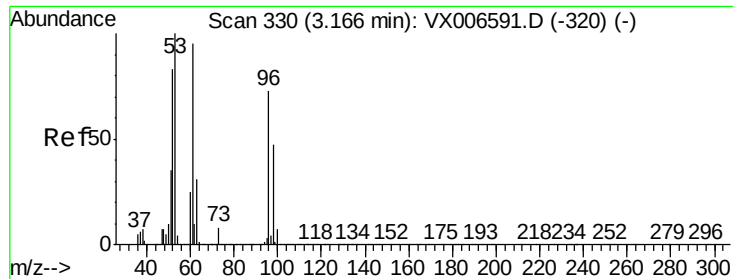
MMDadoda
12/27/2018 9:39:05 AM



#20
Methylene Chloride
Concen: 20.037 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.4	91.8	137.6
51	39.7	28.5	42.7
86	64.0	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.218 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

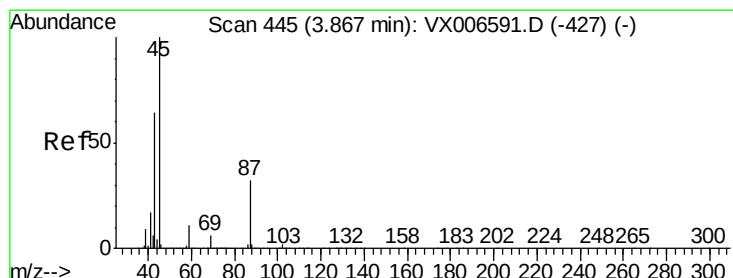
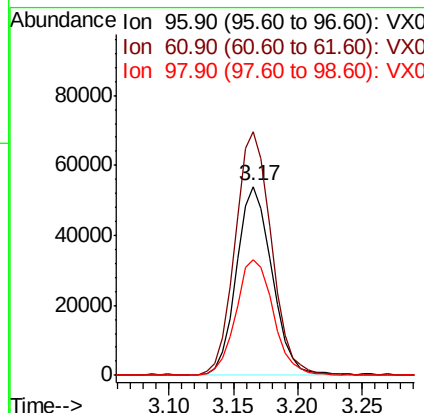
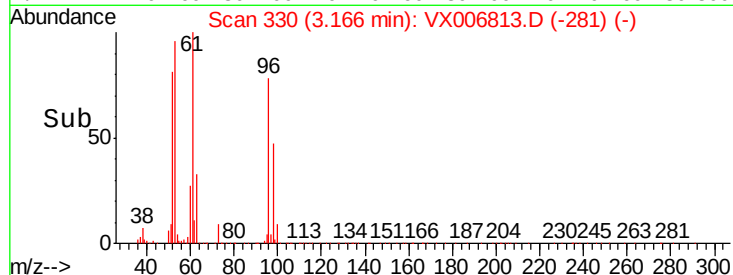
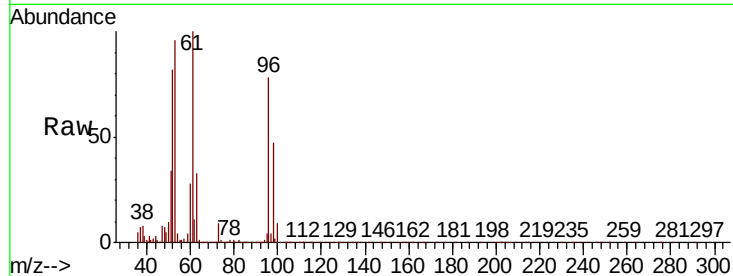
ClientSampleId :

VX1226WBS01

Tot Ion:	96	Resp:	102477
Ion Ratio	Lower	Upper	
96	100		
61	129.2	103.7	155.5
98	60.9	51.0	76.6

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#22

Diisopropyl ether

Concen: 20.745 ug/l

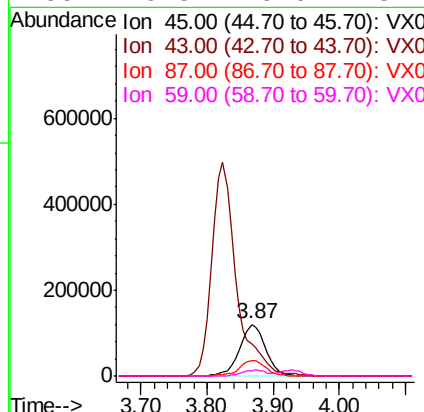
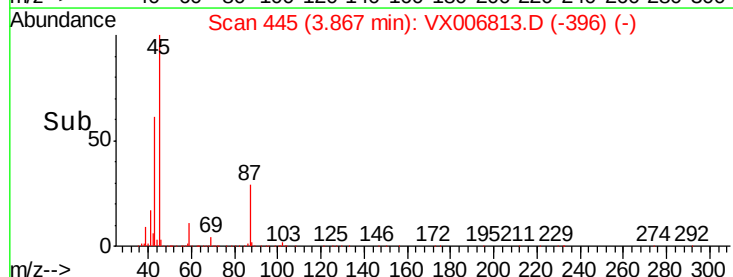
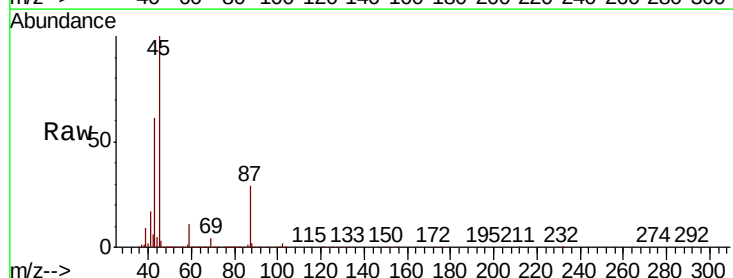
RT: 3.87 min Scan# 445

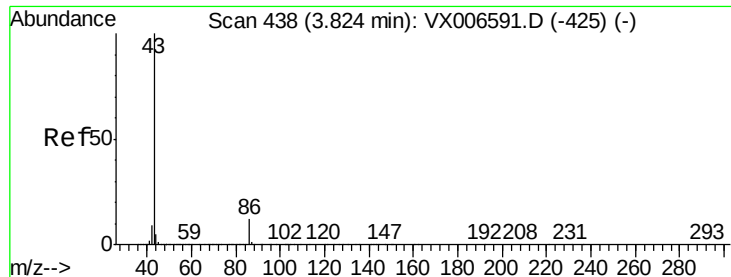
Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Tgt Ion:	45	Resp:	324306
Ion Ratio	Lower	Upper	
45	100		
43	60.8	51.2	76.8
87	29.4	25.8	38.6
59	10.5	9.0	13.4





#23

Vinyl Acetate

Concen: 100.366 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 43 Resp: 1283441

Ion Ratio Lower Upper

43 100

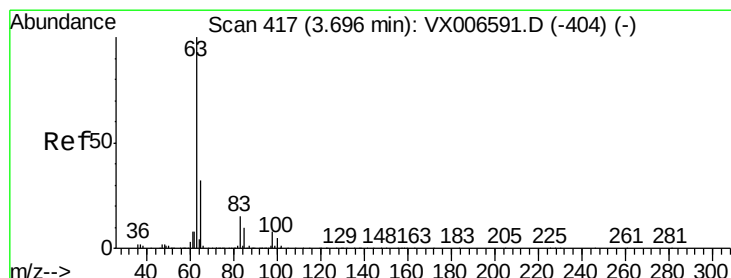
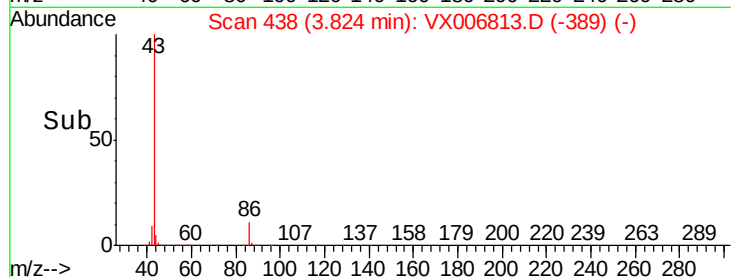
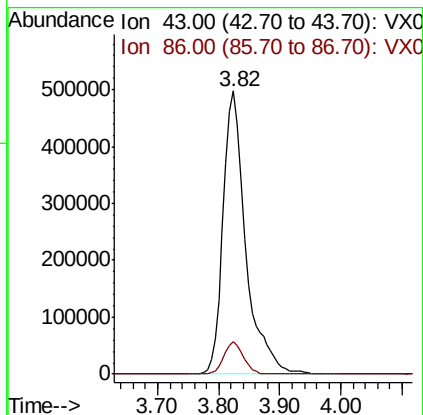
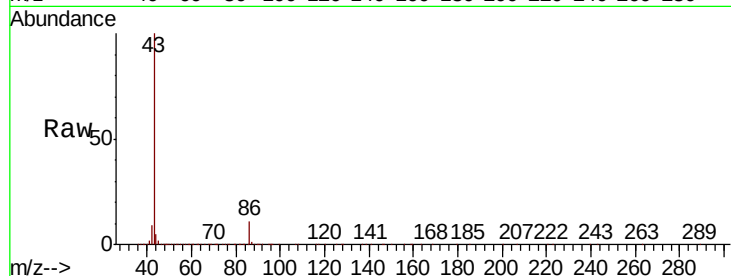
86 11.3 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 19.212 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

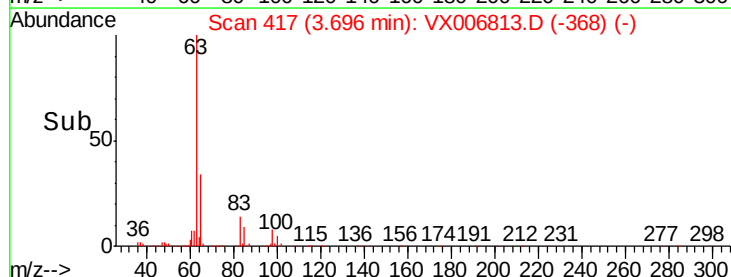
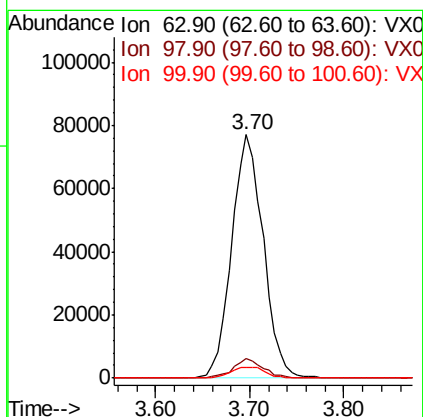
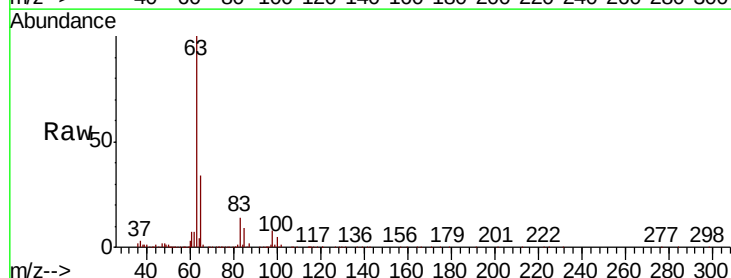
Tgt Ion: 63 Resp: 179289

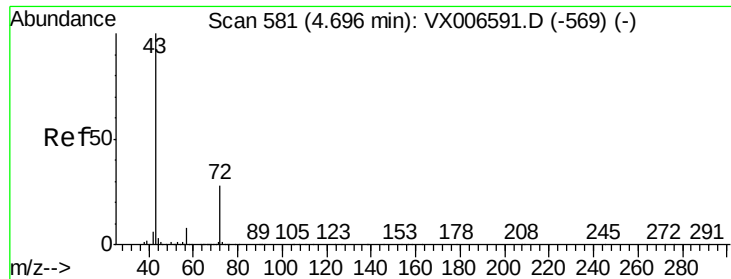
Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.5

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 102.503 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 43 Resp: 405661

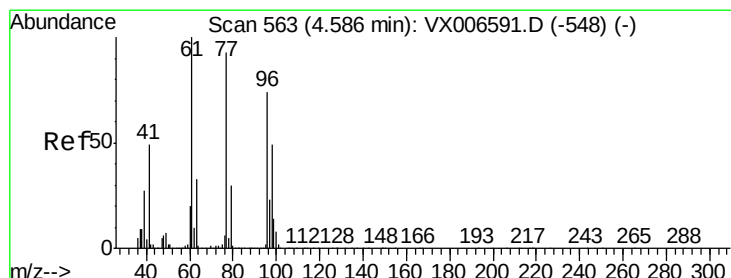
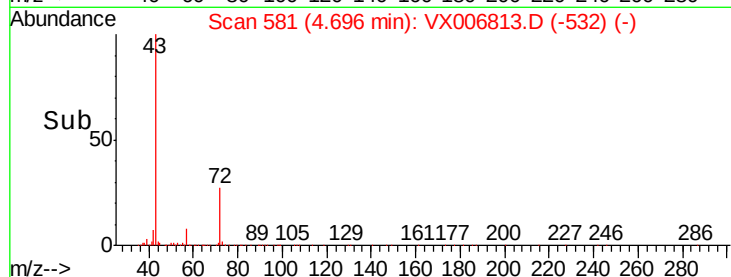
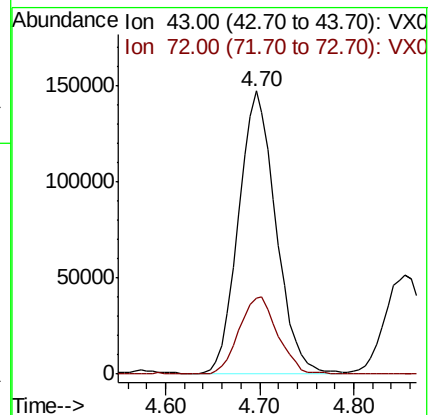
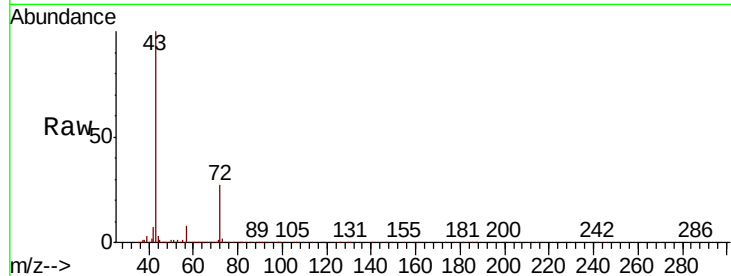
Ion Ratio Lower Upper

43 100

72 26.9 22.4 33.6

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#26

2,2-Dichloropropane

Concen: 18.116 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006813.D

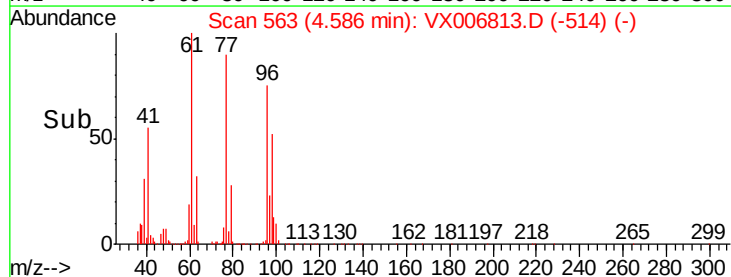
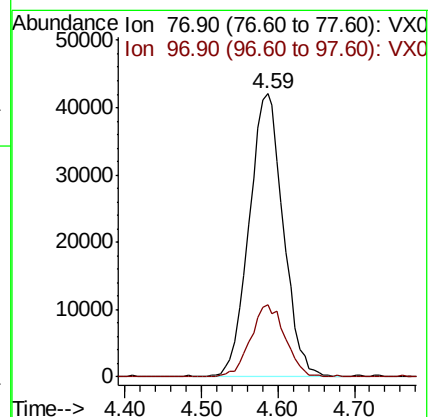
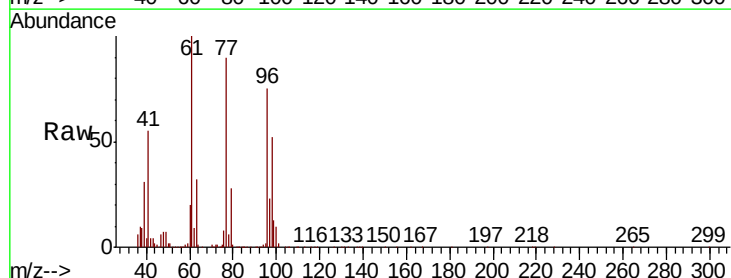
Acq: 26 Dec 2018 12:56

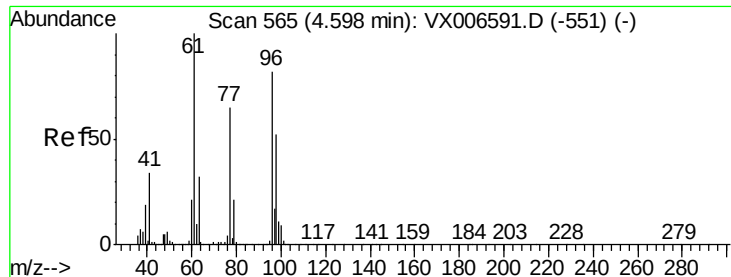
Tgt Ion: 77 Resp: 130593

Ion Ratio Lower Upper

77 100

97 25.8 12.4 37.4





#27

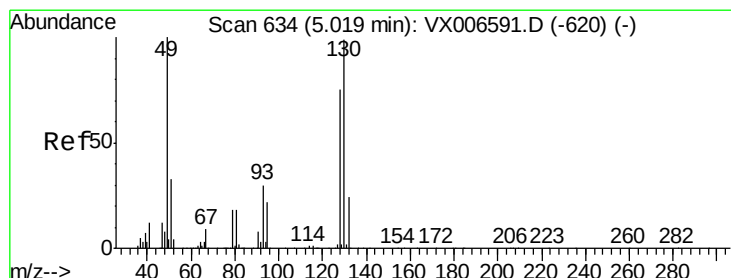
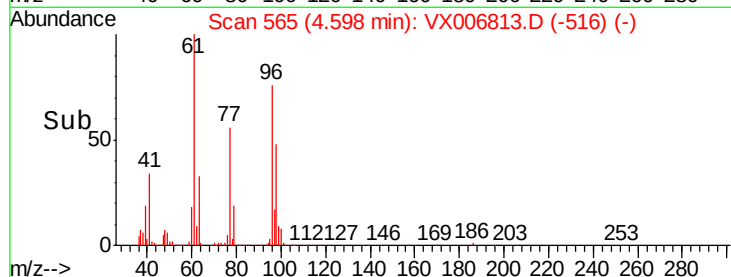
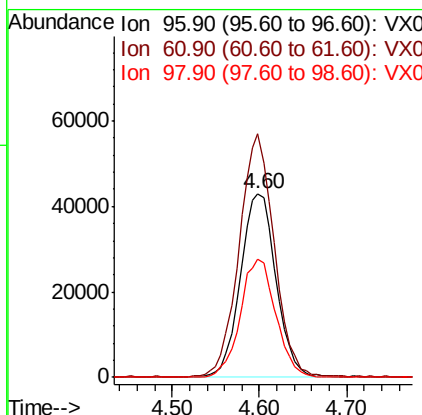
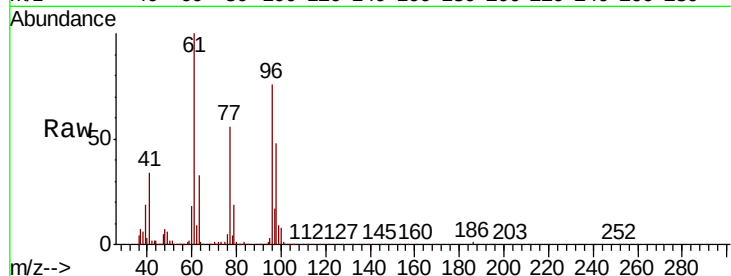
cis-1,2-Dichloroethene
Concen: 19.607 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	258.6
98	63.9	0.0	132.0

Manual Integrations
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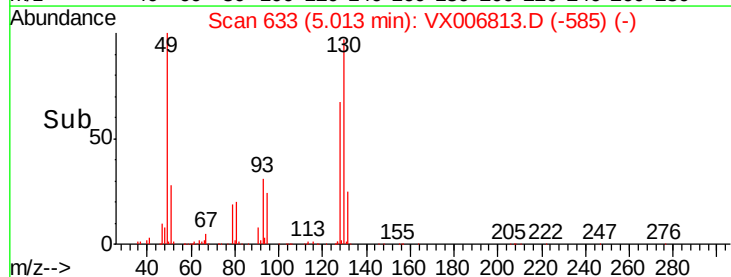
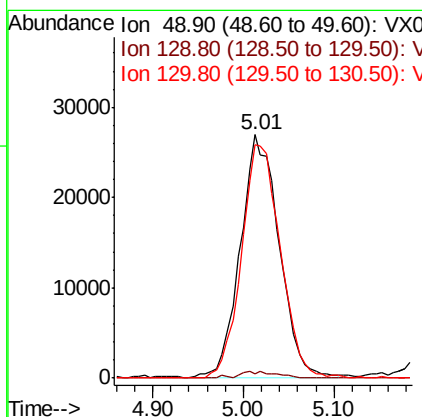
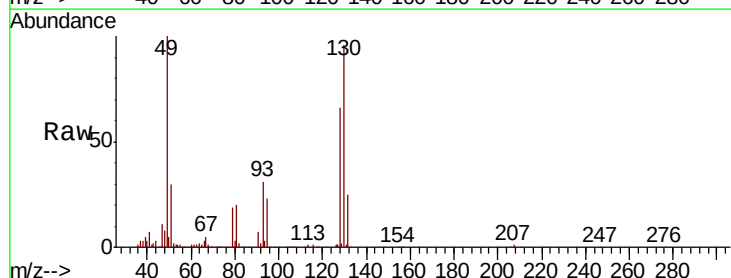
MMDadoda
12/27/2018 9:39:05 AM

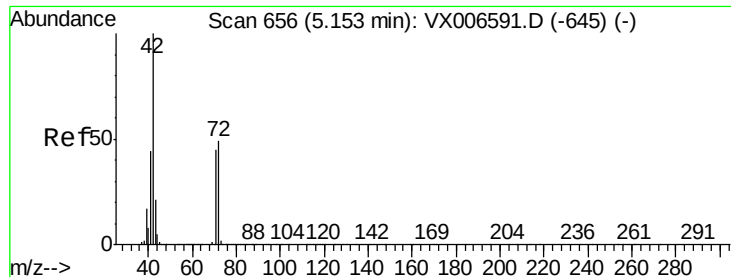


#28

Bromochloromethane
Concen: 18.999 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	96.8	77.7	116.5





#29

Tetrahydrofuran

Concen: 103.496 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

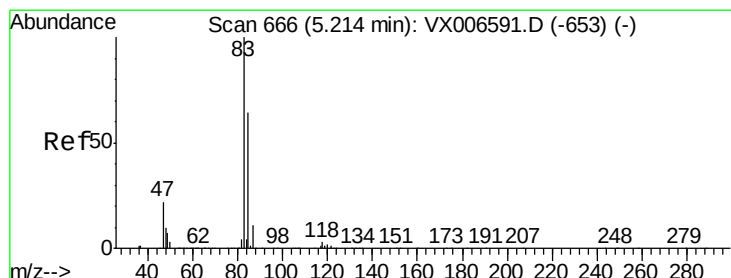
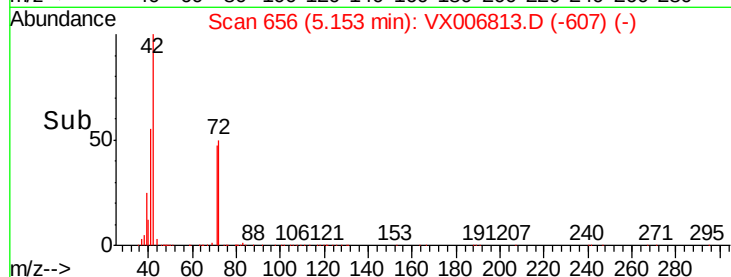
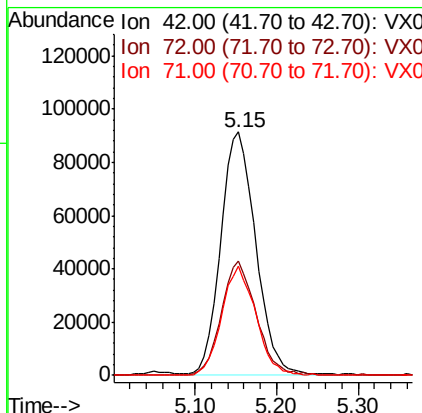
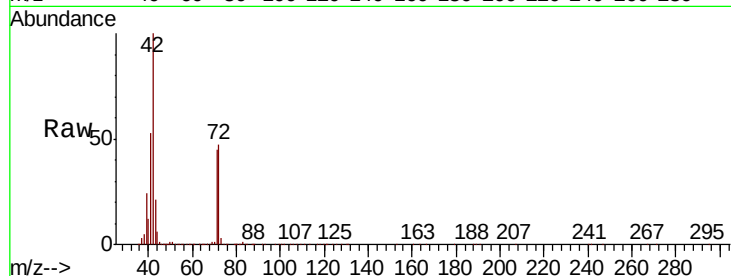
ClientSampleId :

VX1226WBS01

Tot Ion:	42	Resp:	269769
Ion Ratio		Lower	Upper
42	100		
72	47.3	38.9	58.3
71	43.9	36.2	54.4

Manual Integrations
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12/27/2018 9:39:05 AM



#30

Chloroform

Concen: 19.718 ug/l

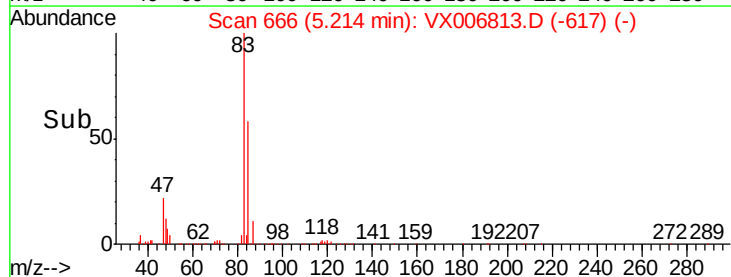
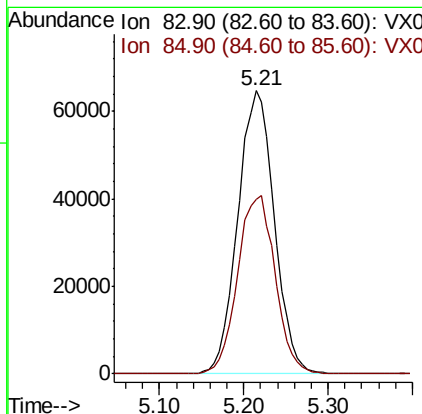
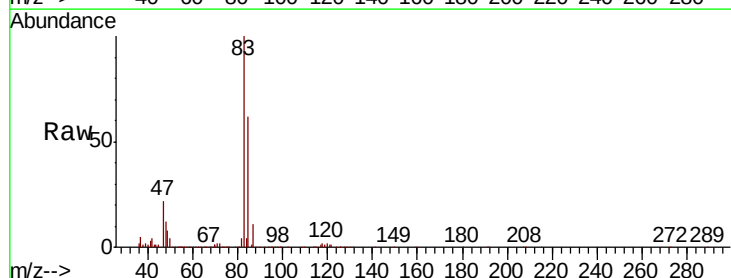
RT: 5.21 min Scan# 666

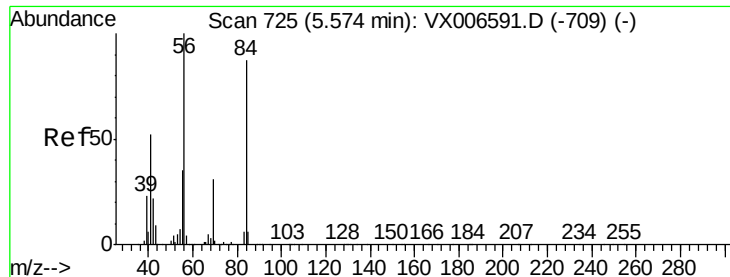
Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Tgt Ion:	83	Resp:	190560
Ion Ratio		Lower	Upper
83	100		
85	61.6	51.2	76.8





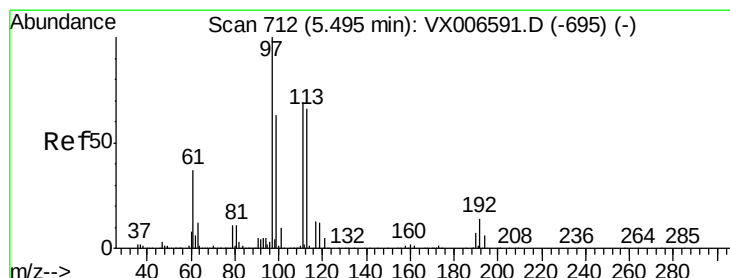
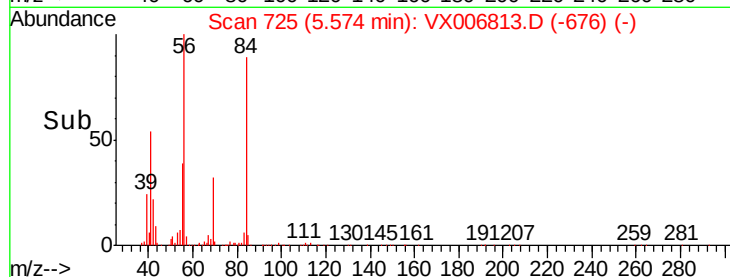
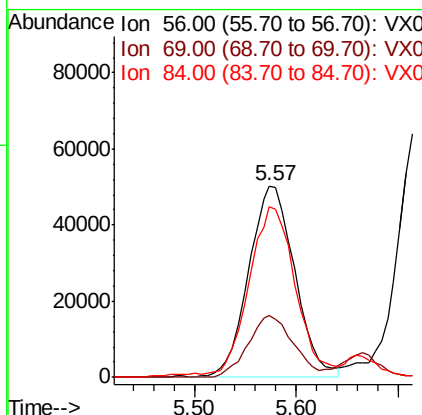
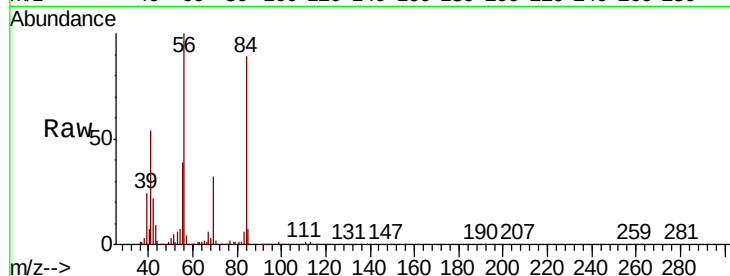
#31
Cyclohexane
Concen: 18.450 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.4	36.6
84	87.8	70.0	105.0

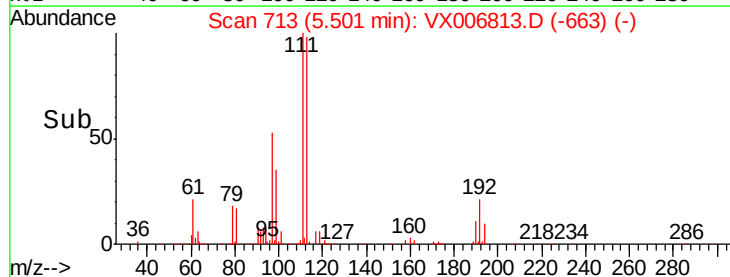
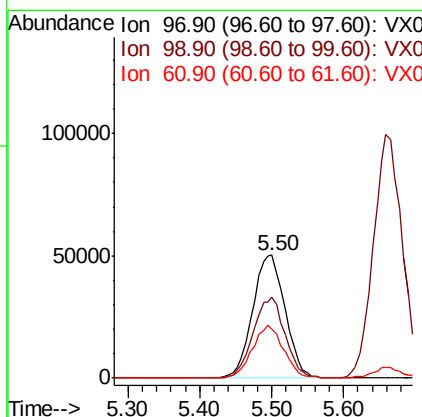
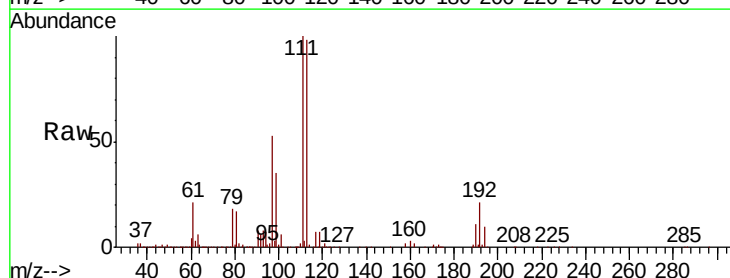
Manual Integrations
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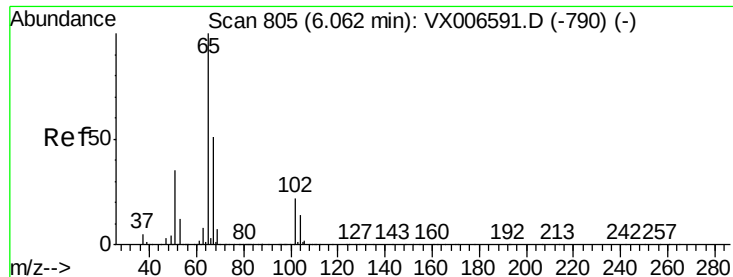
MMDadoda
12/27/2018 9:39:05 AM



#32
1,1,1-Trichloroethane
Concen: 19.217 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	41.1	31.3	46.9





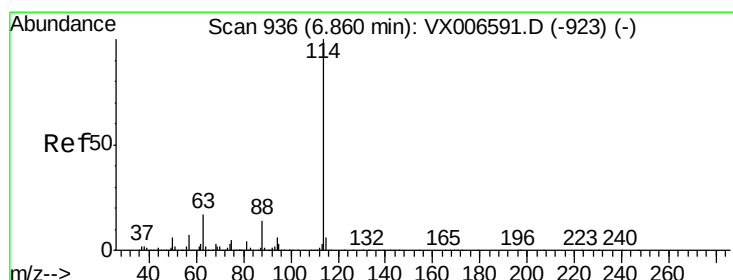
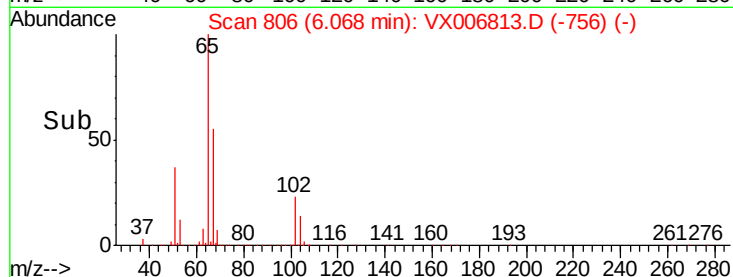
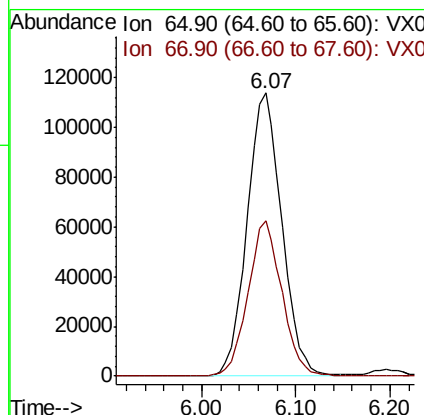
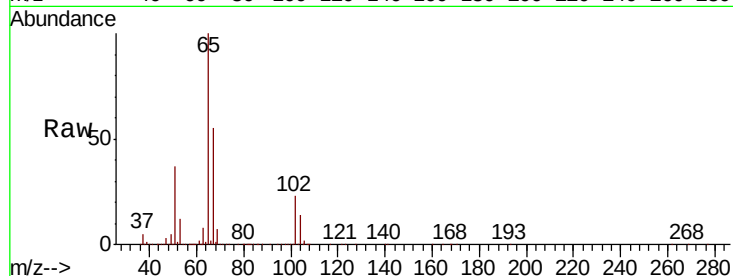
#33
 1,2-Dichloroethane-d4
 Concen: 47.885 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	293243		
67	53.6	0.0	105.0	

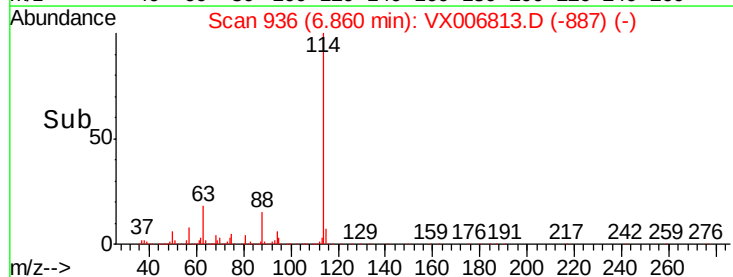
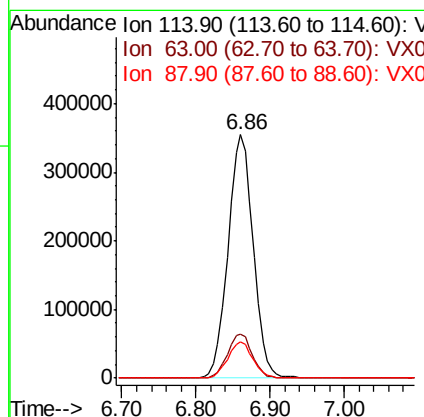
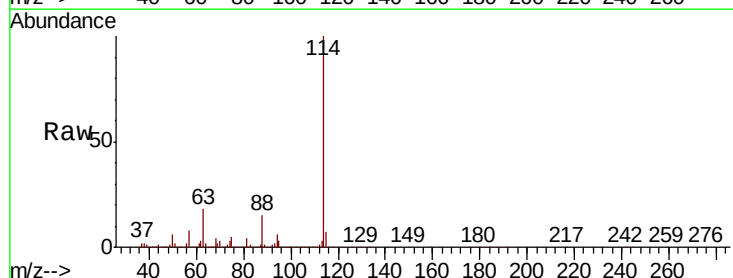
Manual Integrations
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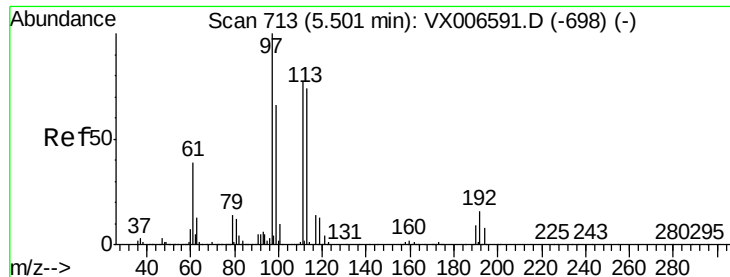
MMDadoda
 12/27/2018 9:39:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	836460		
63	17.9	0.0	34.8	
88	14.9	0.0	28.8	





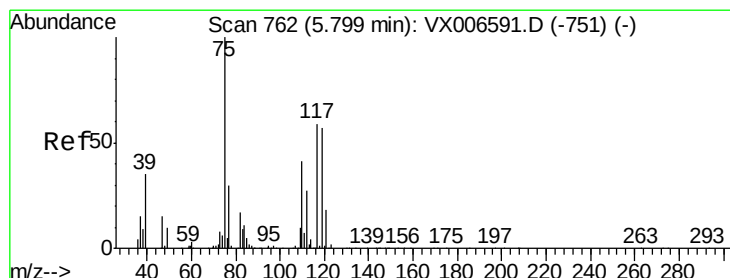
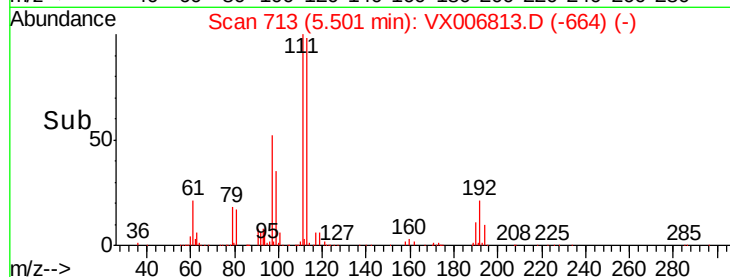
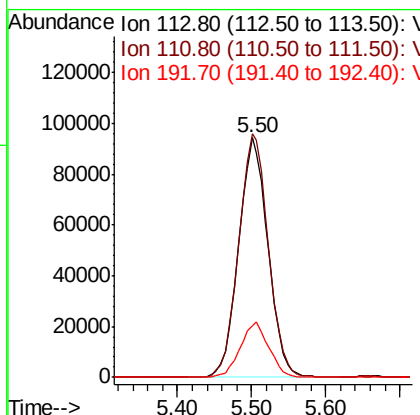
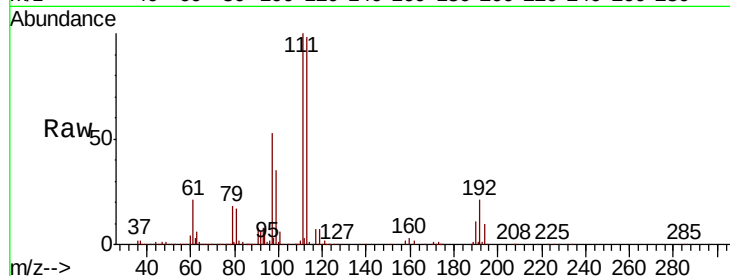
#35
 Dibromofluoromethane
 Concen: 49.349 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.6	122.4
192	22.5	16.7	25.1

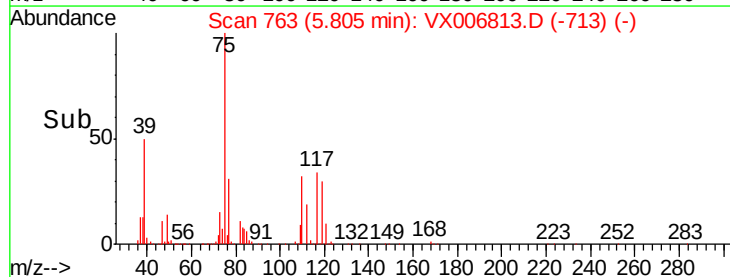
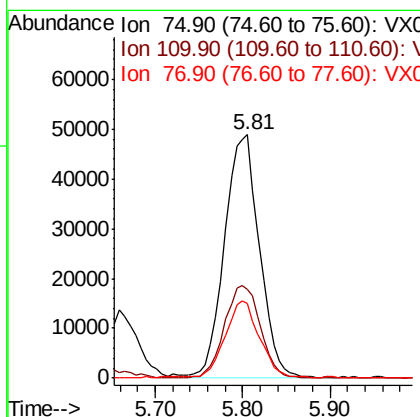
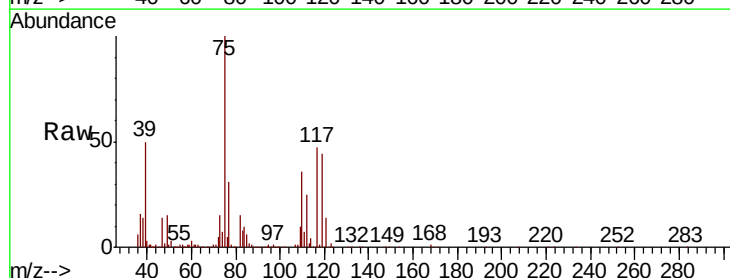
Manual Integrations
 APPROVED

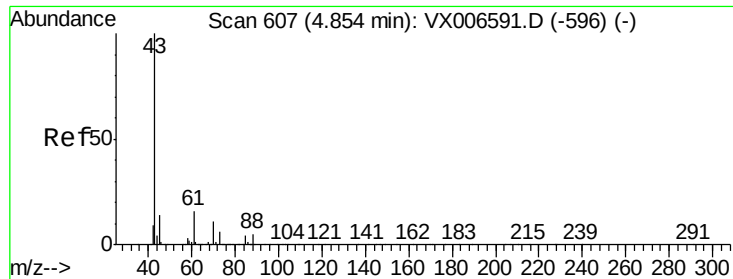
MMDadoda
 12/27/2018 9:39:05 AM



#36
 1,1-Dichloropropene
 Concen: 19.424 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.6	20.2	60.5
77	32.3	24.8	37.2





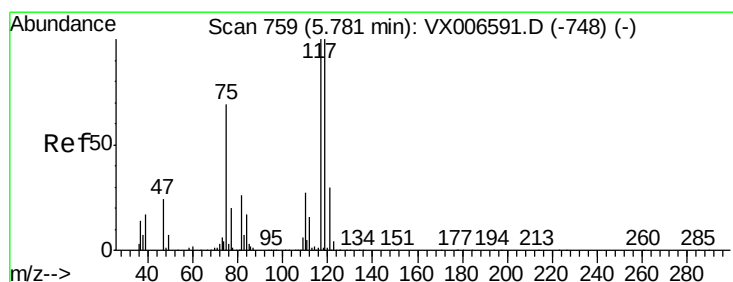
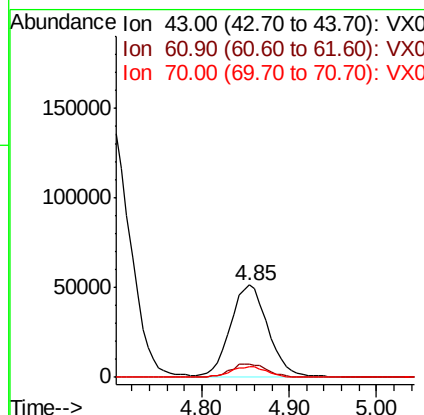
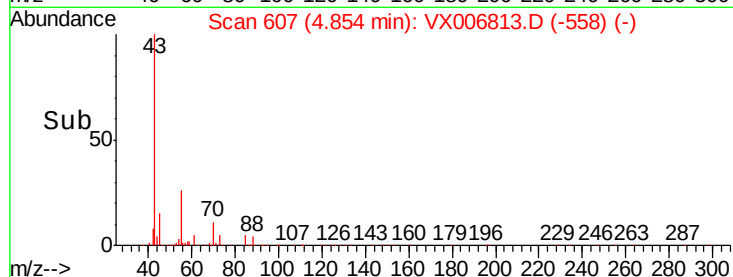
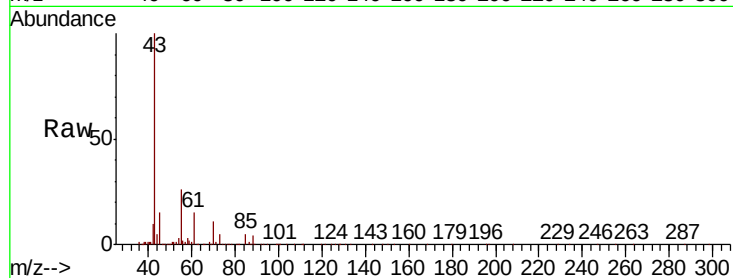
#37
Ethyl Acetate
Concen: 20.977 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	43	Resp	151258
Ion Ratio	Lower	Upper	
43	100		
61	14.2	11.9	17.9
70	12.0	9.7	14.5

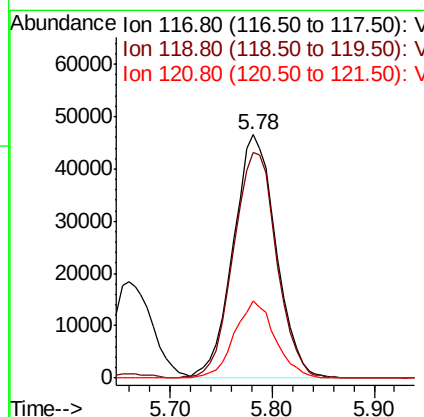
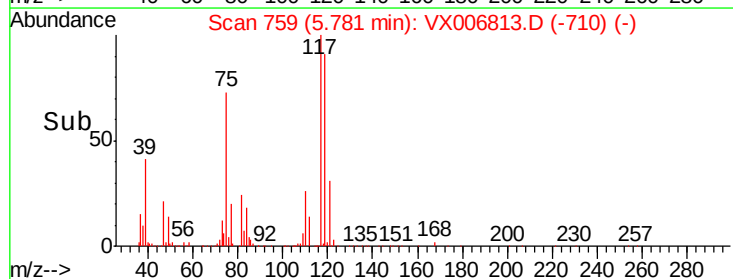
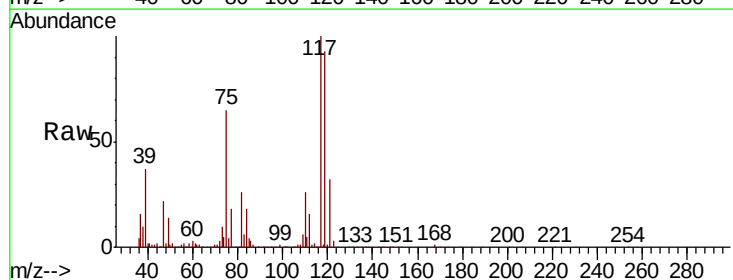
Manual Integrations
APPROVED

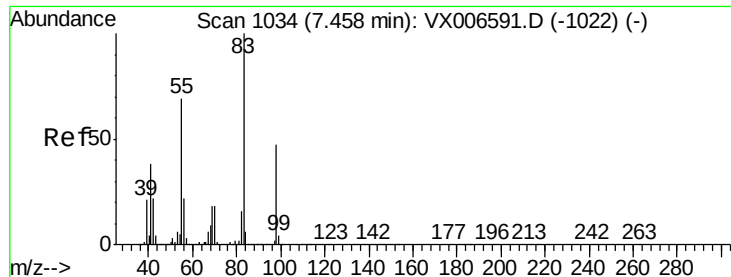
MMDadoda
12/27/2018 9:39:05 AM



#38
Carbon Tetrachloride
Concen: 20.048 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	117	Resp	134975
Ion Ratio	Lower	Upper	
117	100		
119	93.0	79.4	119.2
121	31.7	24.0	36.0





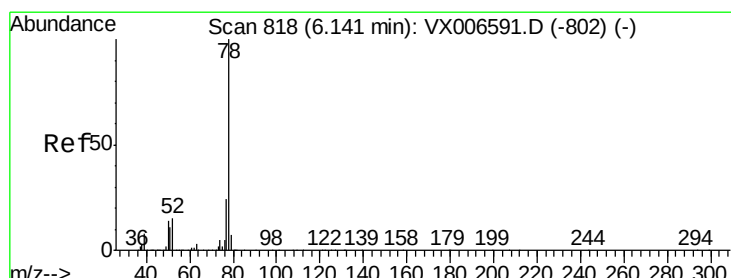
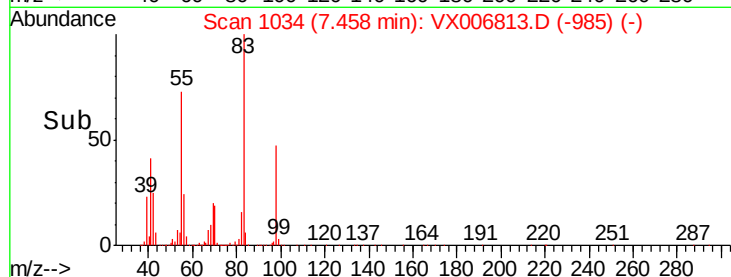
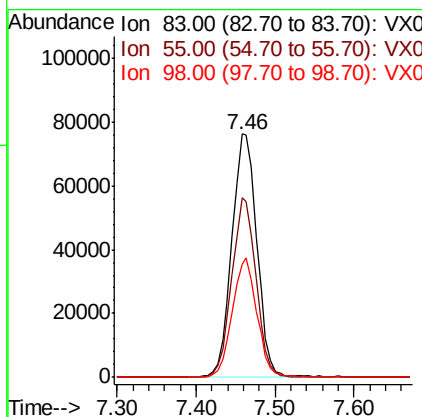
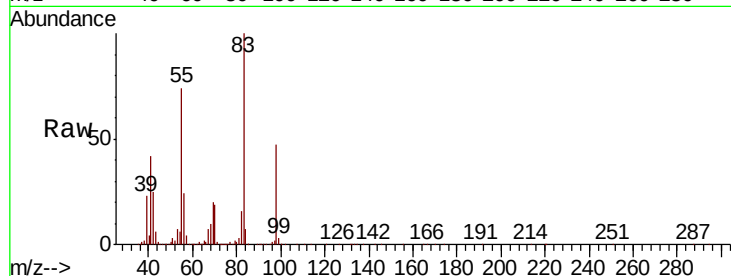
#39
Methylvlcyclohexane
Concen: 18.539 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	54.9	82.3
98	46.5	37.9	56.9

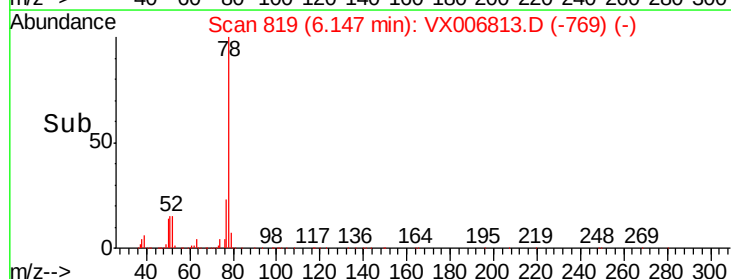
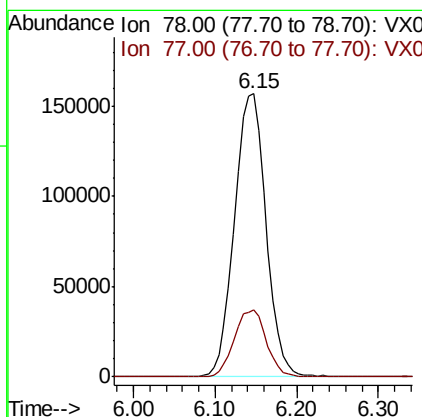
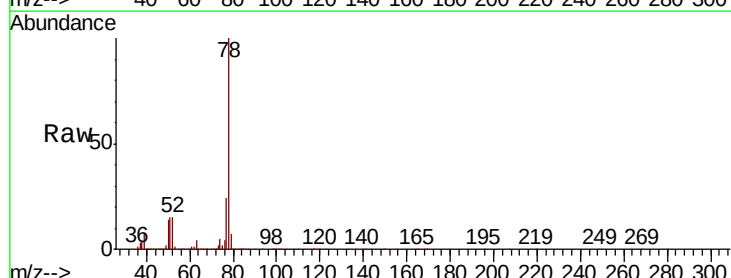
Manual Integrations
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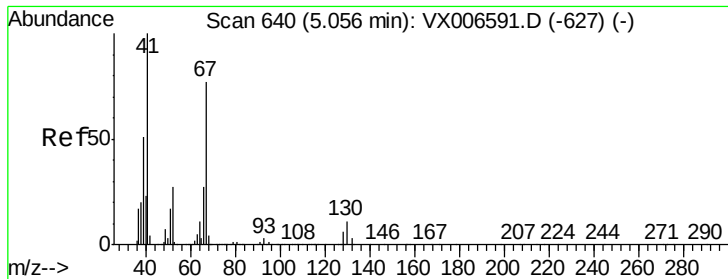
MMDadoda
12/27/2018 9:39:05 AM



#40
Benzene
Concen: 19.942 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 22.038 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

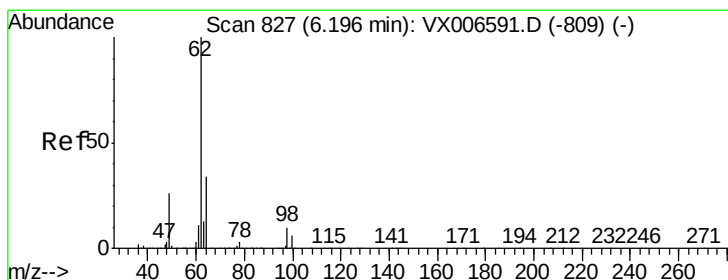
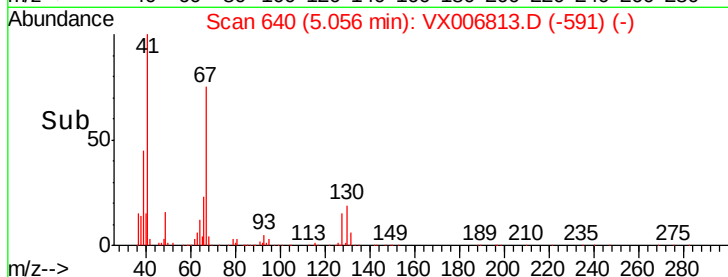
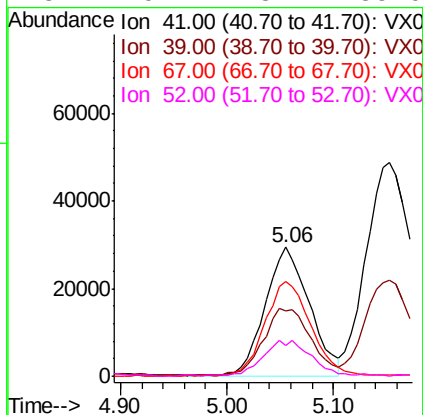
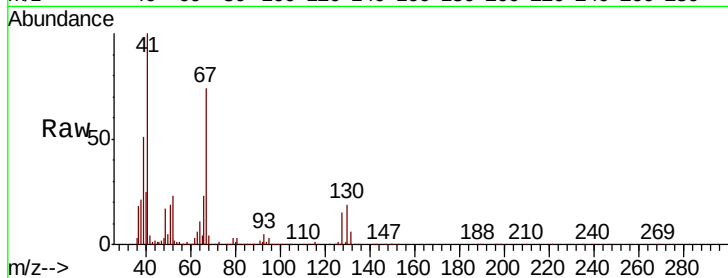
ClientSampleId :

VX1226WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	42.8	64.2	
67	77.8	62.1	93.1	
52	29.7	23.4	35.0	

Manual Integrations
APPROVED

MMDadoda
12/27/2018 9:39:05 AM



#42

1,2-Dichloroethane

Concen: 19.731 ug/l

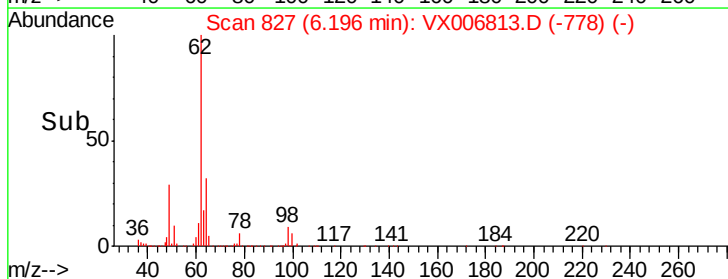
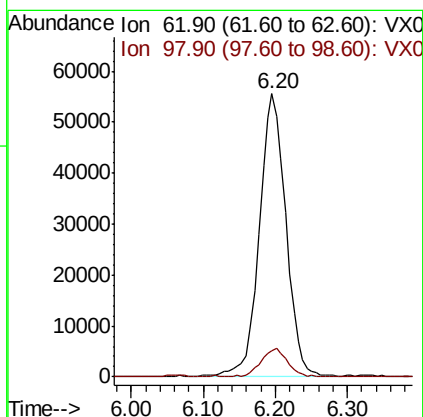
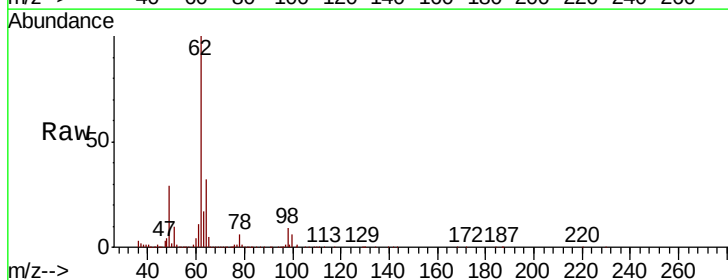
RT: 6.20 min Scan# 827

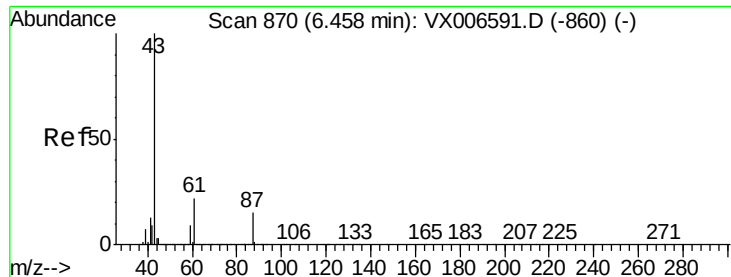
Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

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





#43

Isopropyl Acetate

Concen: 21.442 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

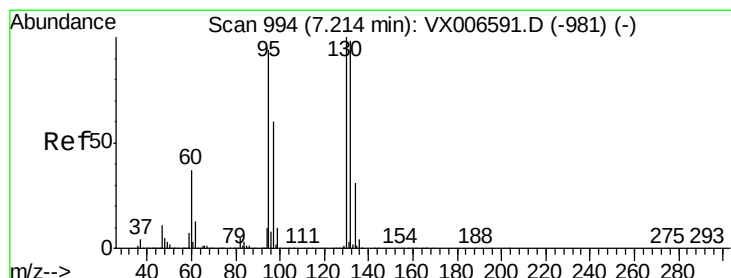
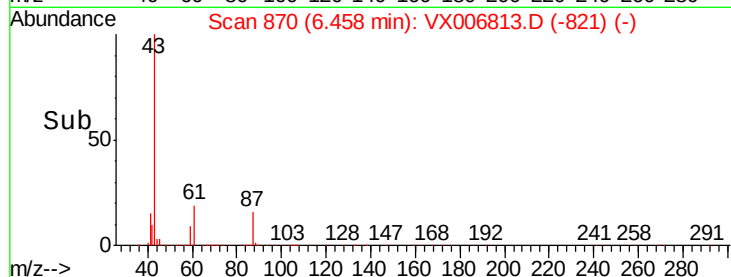
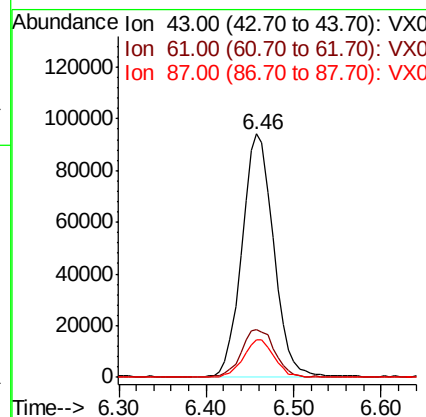
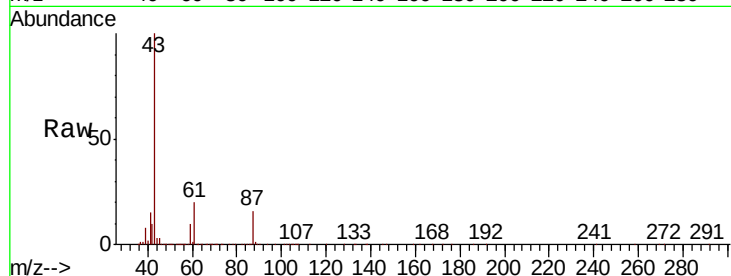
ClientSampleId :

VX1226WBS01

Tot Ion:	43	Resp:	235247
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.8	25.2
87	15.1	12.4	18.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.358 ug/l

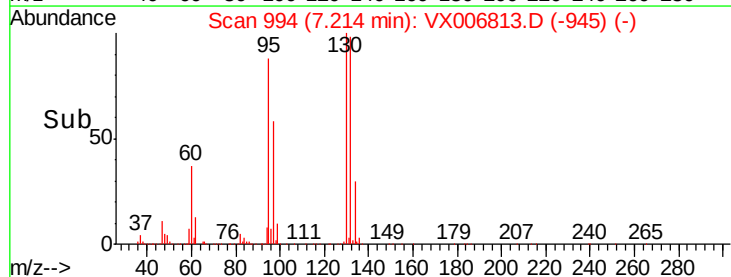
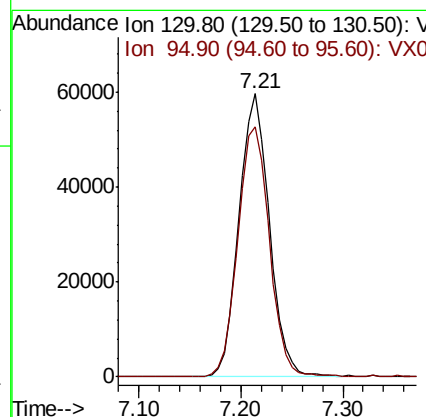
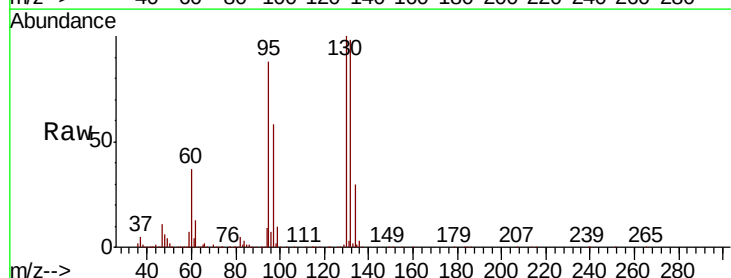
RT: 7.21 min Scan# 994

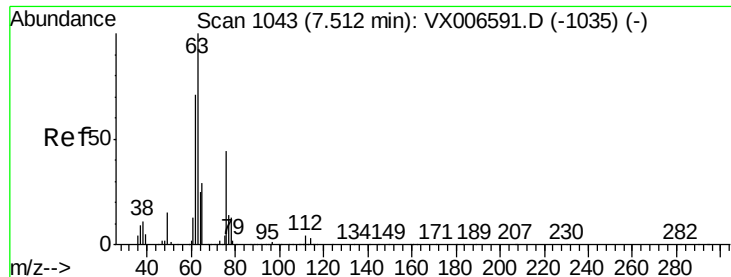
Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Tgt Ion:	130	Resp:	123384
Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.447 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 63 Resp: 104783

Ion Ratio Lower Upper

63 100

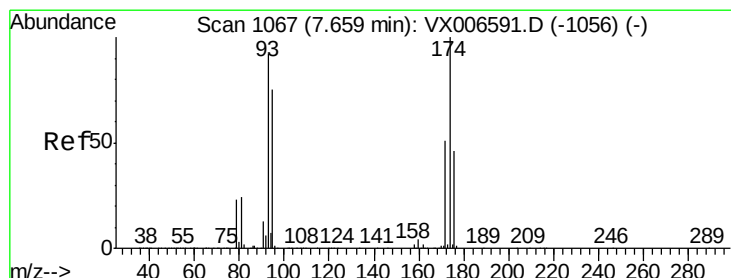
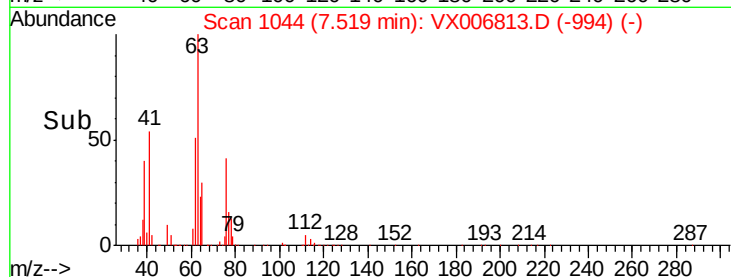
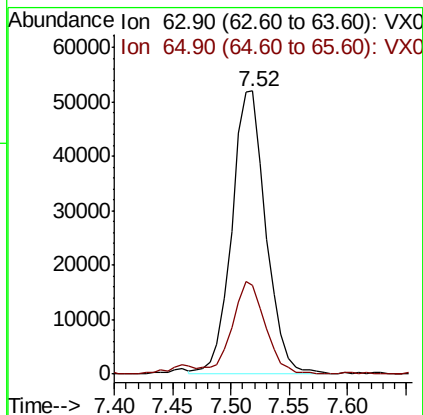
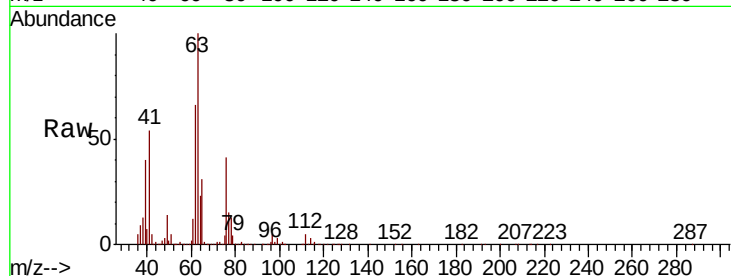
65 31.4 25.4 38.0

Manual Integrations

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MMDadoda

12/27/2018 9:39:05 AM



#46

Dibromomethane

Concen: 20.107 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

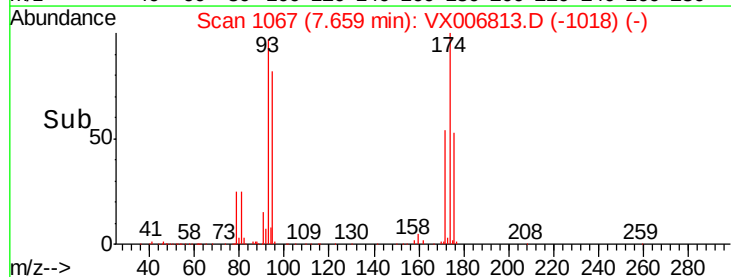
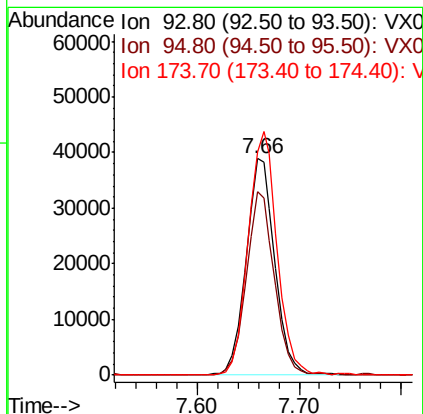
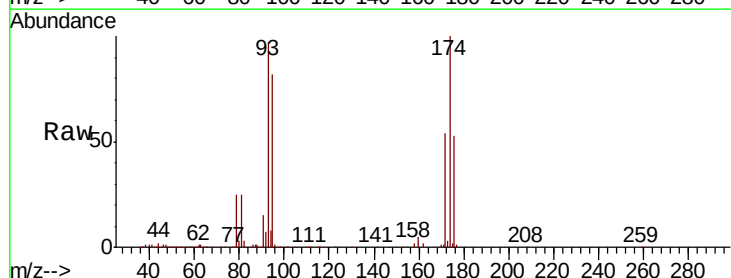
Tgt Ion: 93 Resp: 75791

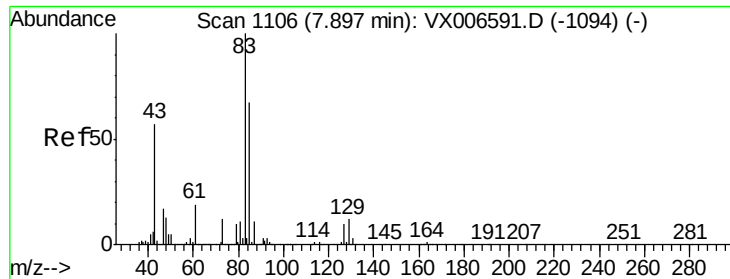
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 113.5 91.0 136.4





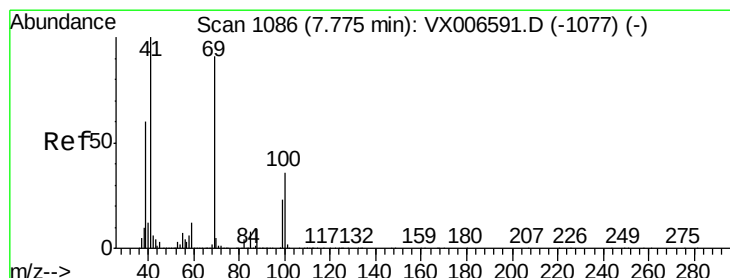
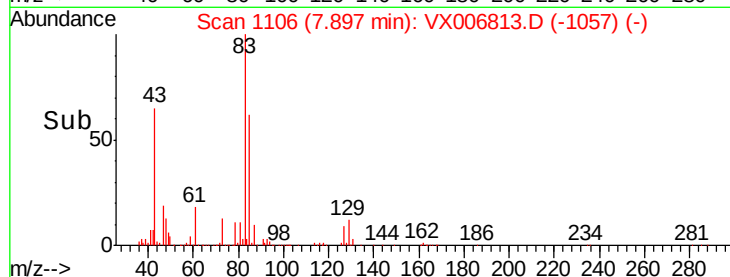
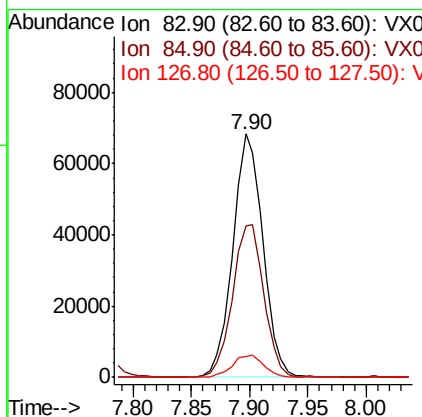
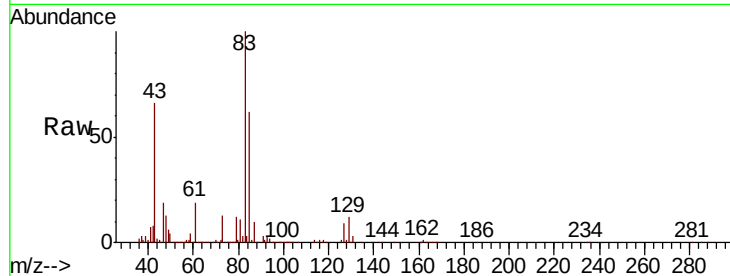
#47
Bromodichloromethane
Concen: 19.670 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.9	53.2	79.8
127	8.8	7.8	11.6

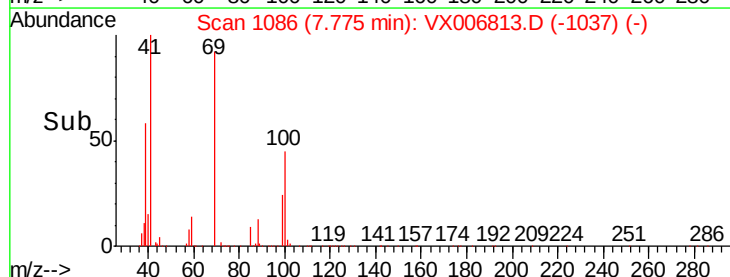
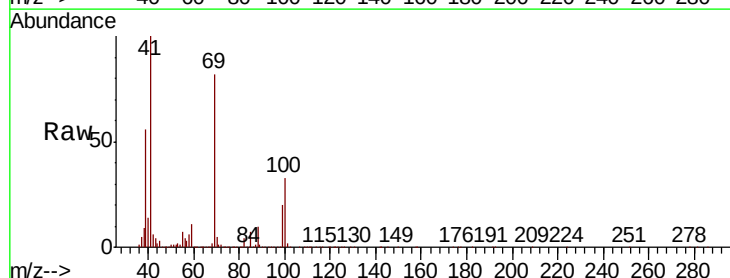
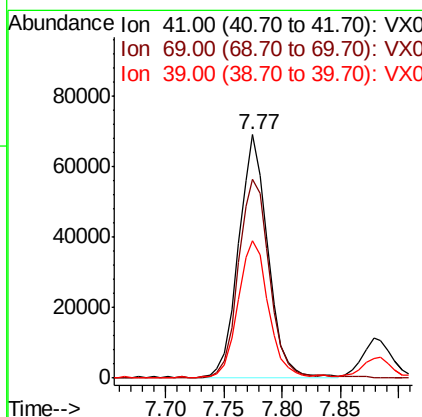
Manual Integrations
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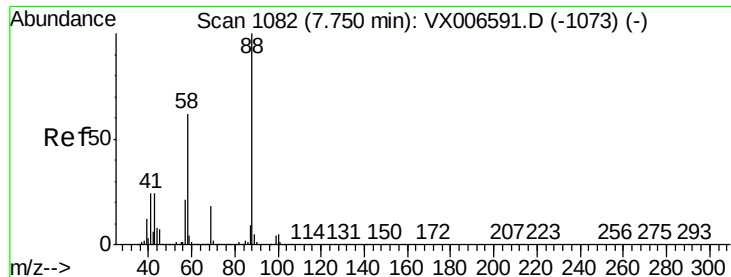
MMDadoda
12/27/2018 9:39:05 AM



#48
Methyl methacrylate
Concen: 21.604 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.6	72.4	108.6
39	58.7	45.8	68.8





#49

1,4-Dioxane

Concen: 434.528 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

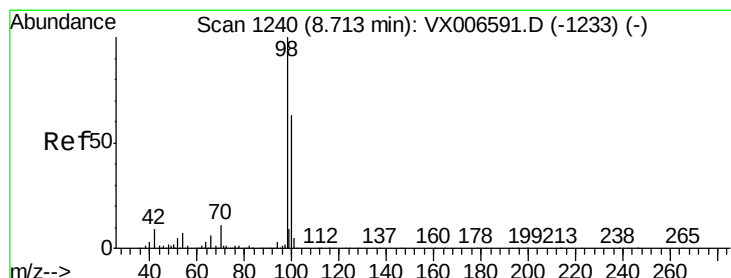
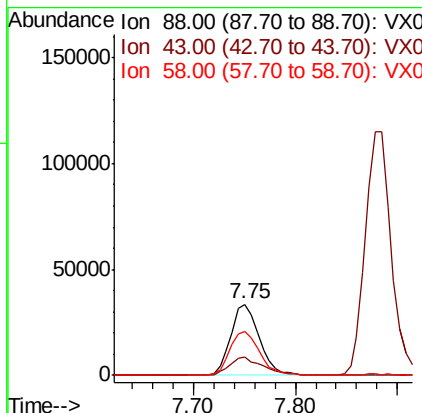
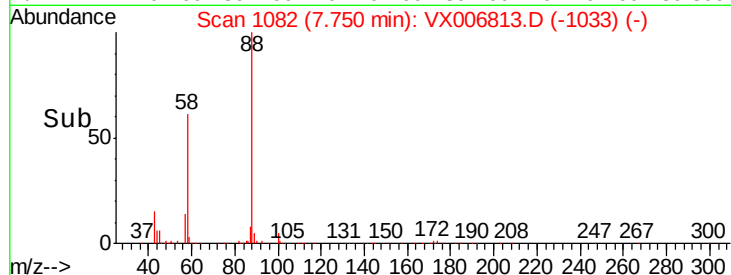
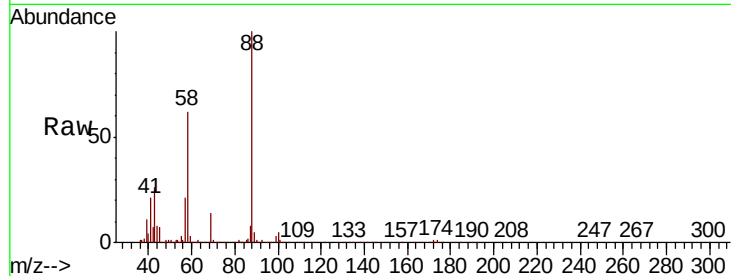
ClientSampleId :

VX1226WBS01

Tot Ion:	88	Resp:	65072
Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.2	33.4
58	65.3	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 49.125 ug/l

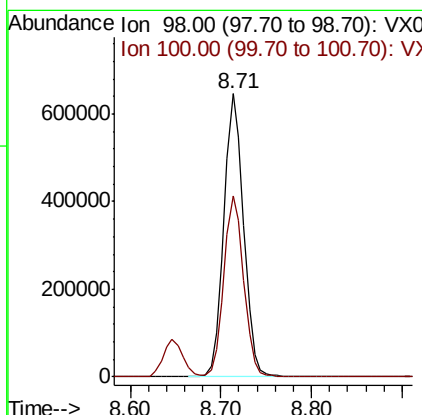
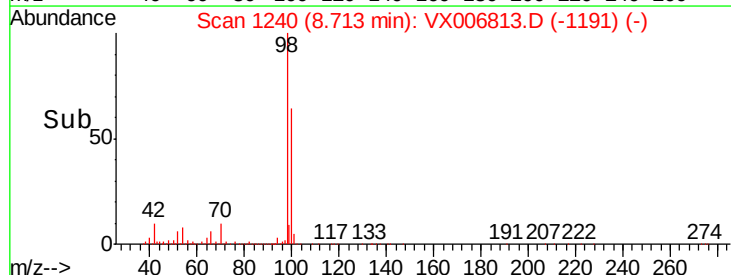
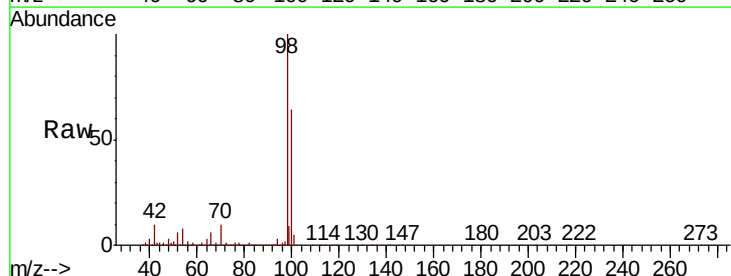
RT: 8.71 min Scan# 1240

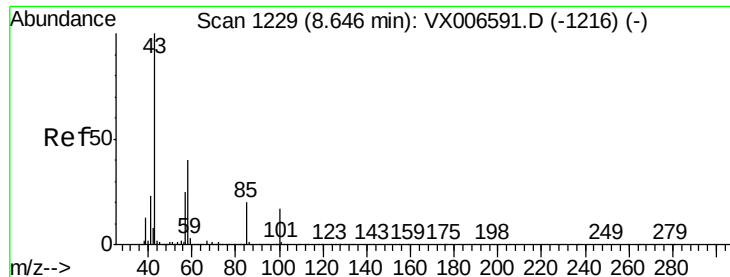
Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Tgt Ion:	98	Resp:	979661
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 112.579 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 43 Resp: 785879

Ion Ratio Lower Upper

43 100

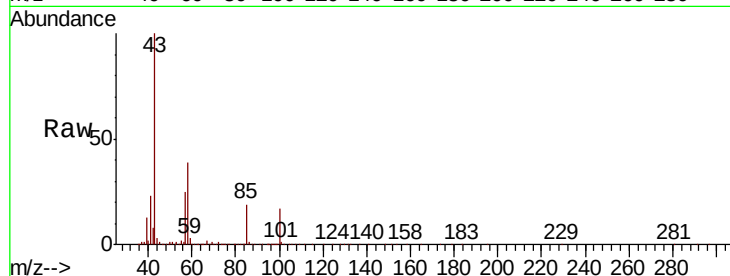
58 38.7 31.8 47.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

200000

100000

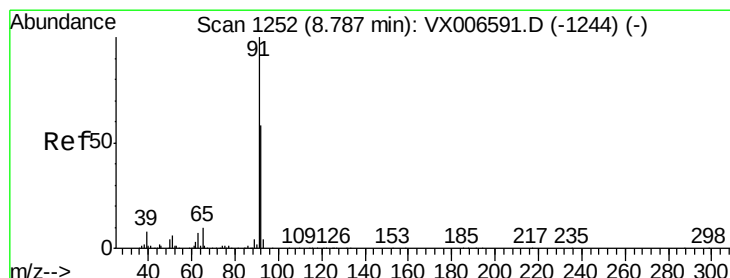
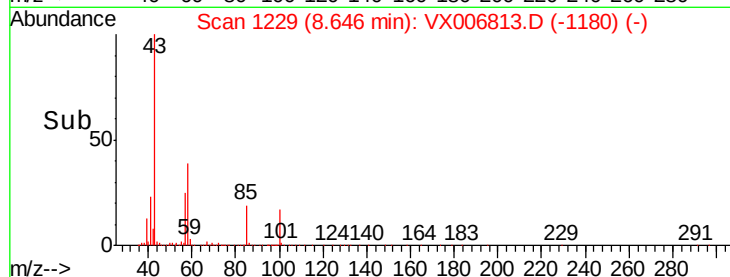
0

8.65

8.60

8.55

Time-->



#52

Toluene

Concen: 20.061 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006813.D

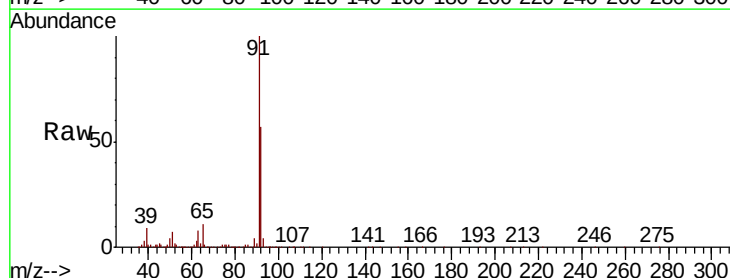
Acq: 26 Dec 2018 12:56

Tgt Ion: 92 Resp: 272915

Ion Ratio Lower Upper

92 100

91 175.6 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

200000

100000

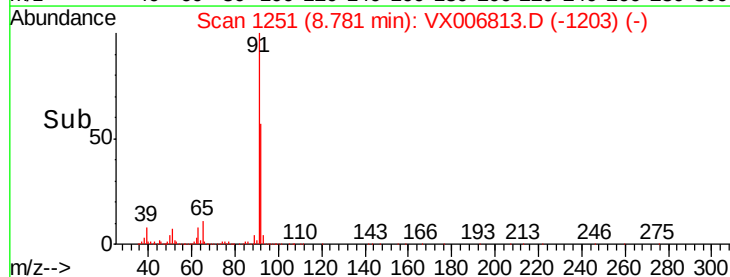
0

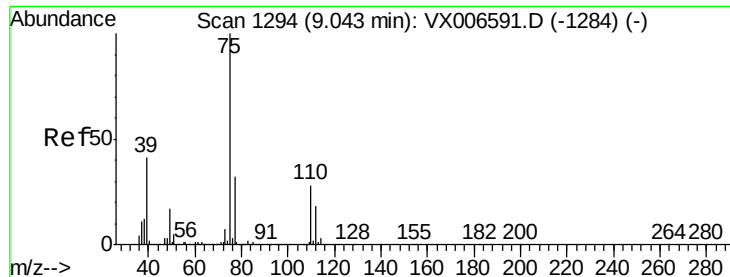
8.78

8.70

8.60

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.511 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 75 Resp: 130951

Ion Ratio Lower Upper

75 100

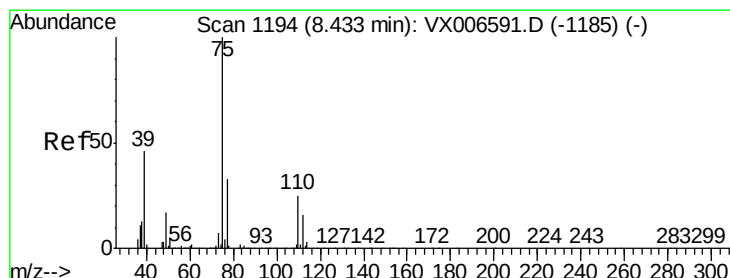
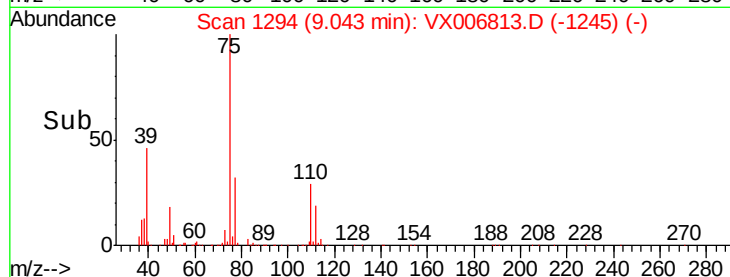
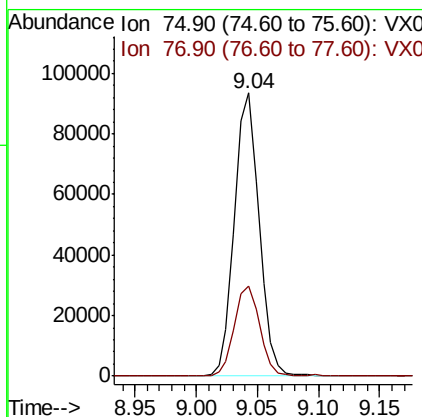
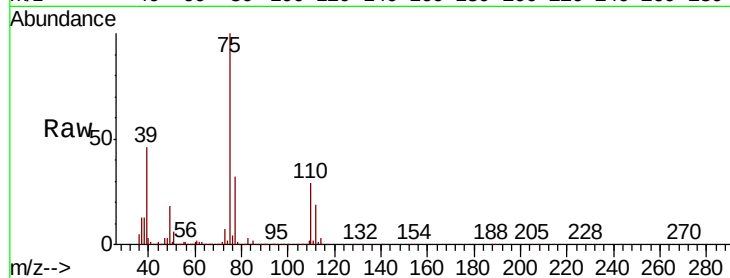
77 31.5 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.439 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

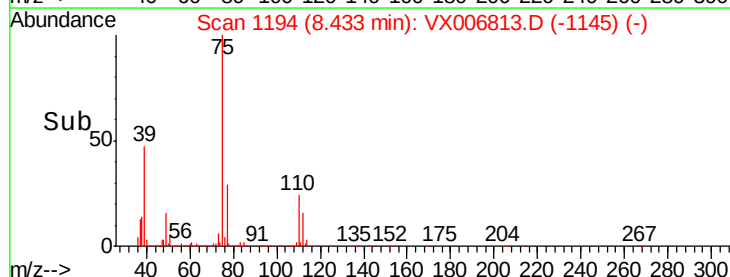
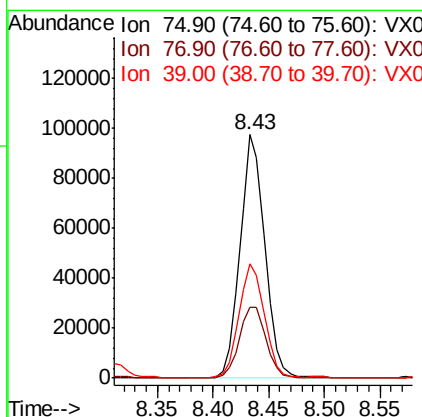
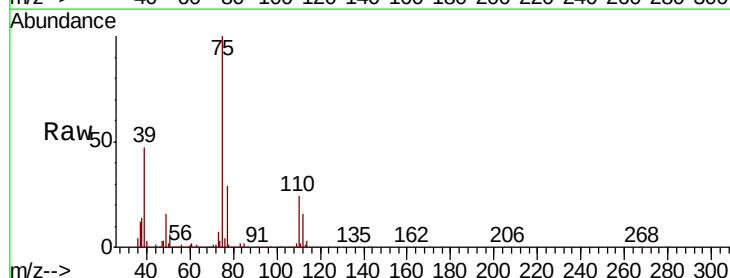
Tgt Ion: 75 Resp: 150520

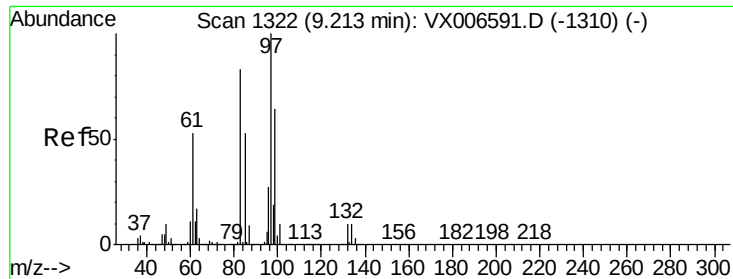
Ion Ratio Lower Upper

75 100

77 29.0 26.2 39.2

39 46.6 36.7 55.1





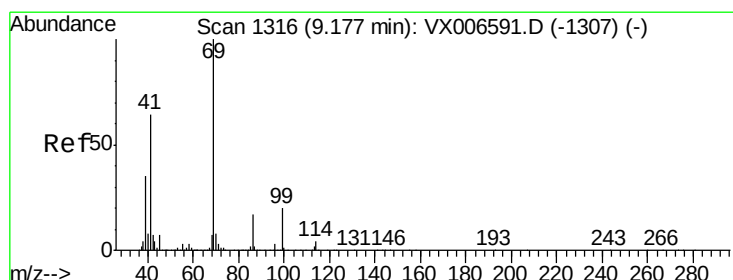
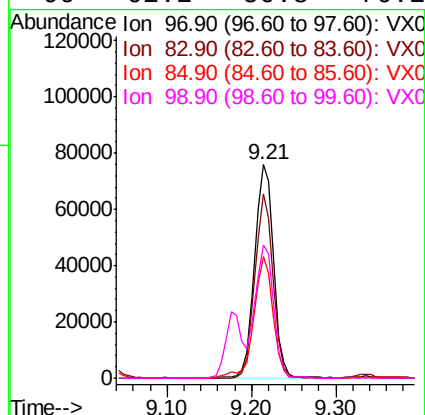
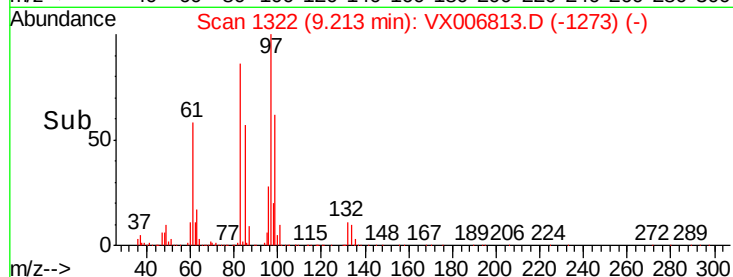
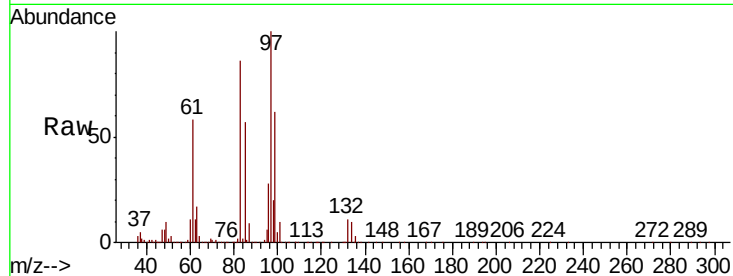
#55
1,1,2-Trichloroethane
Concen: 20.703 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		115287		
83	86.2	66.6	99.8		
85	56.8	42.7	64.1		
99	62.2	50.8	76.2		

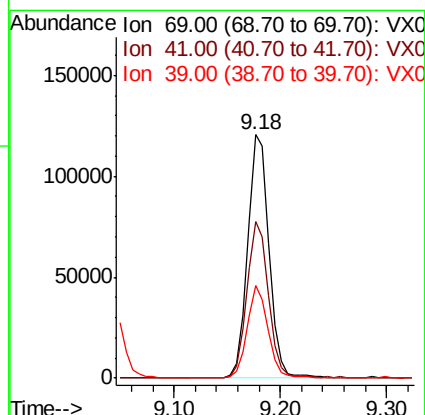
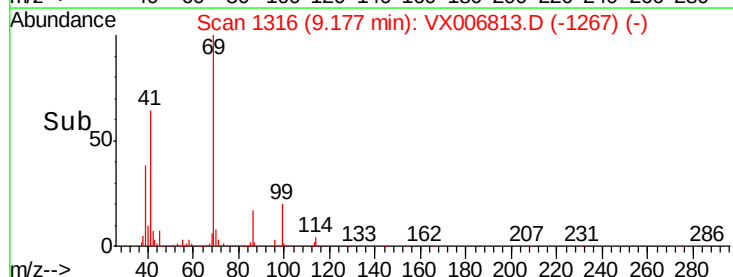
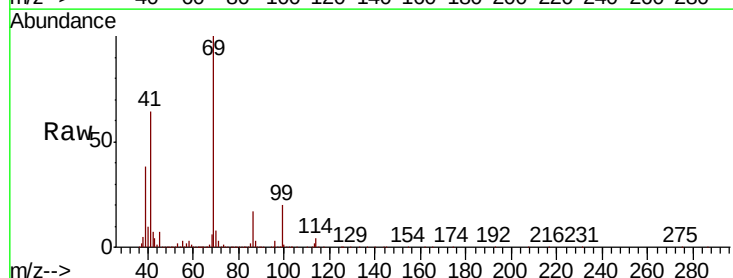
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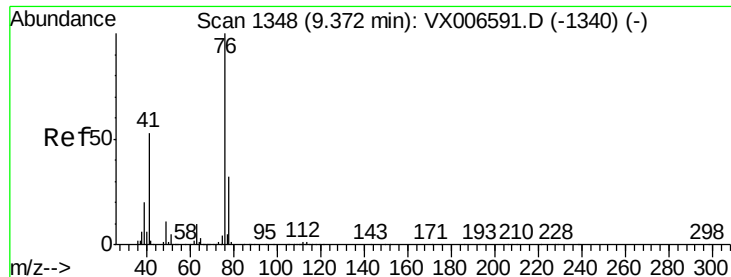
MMDadoda
12/27/2018 9:39:05 AM



#56
Ethyl methacrylate
Concen: 21.637 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		170290		
41	64.1	48.7	73.1		
39	36.1	27.0	40.6		





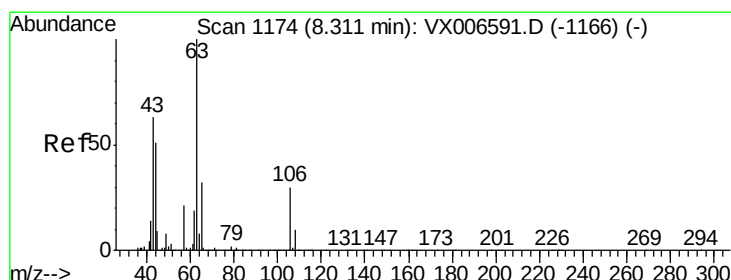
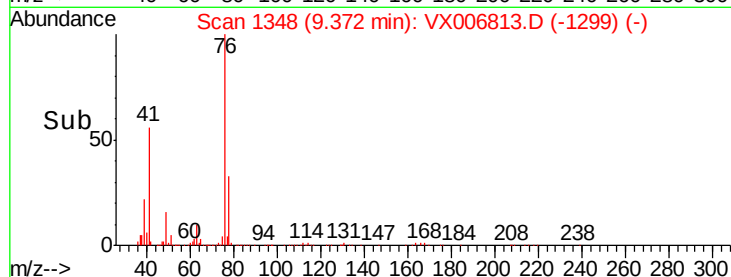
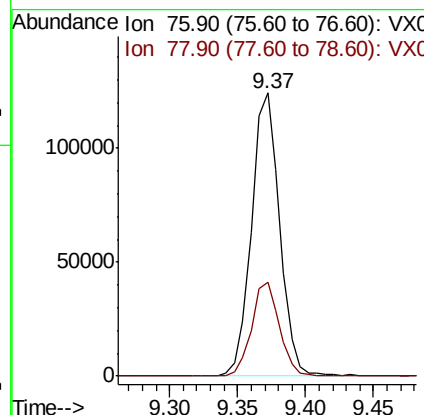
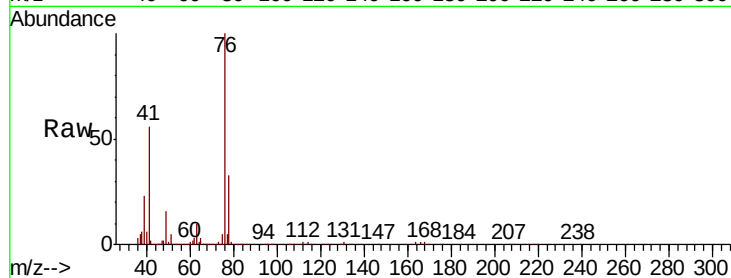
#57
 1,3-Dichloropropane
 Concen: 20.111 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.0	39.0

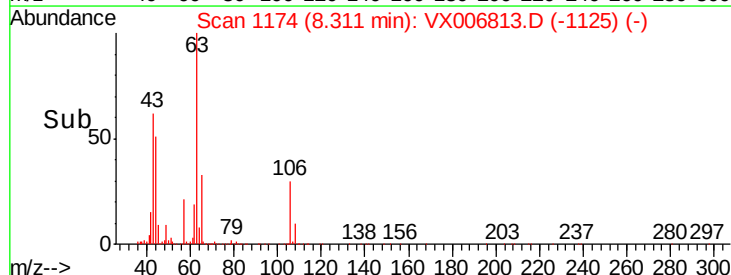
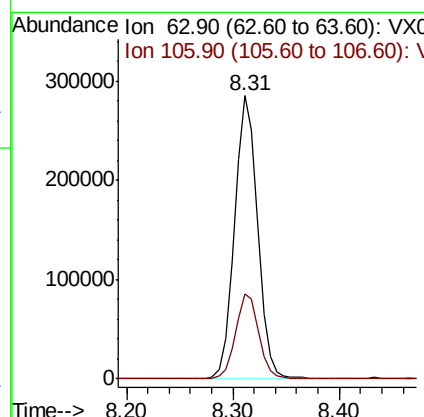
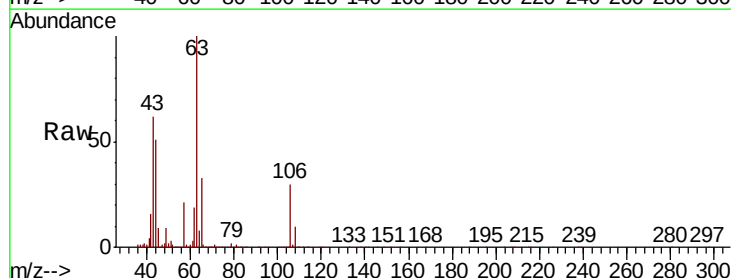
Manual Integrations
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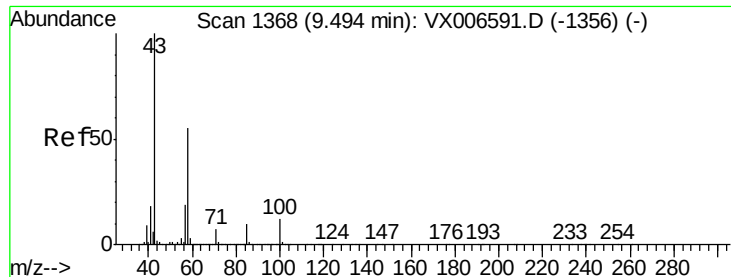
MMDadoda
 12/27/2018 9:39:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.644 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.6	36.8





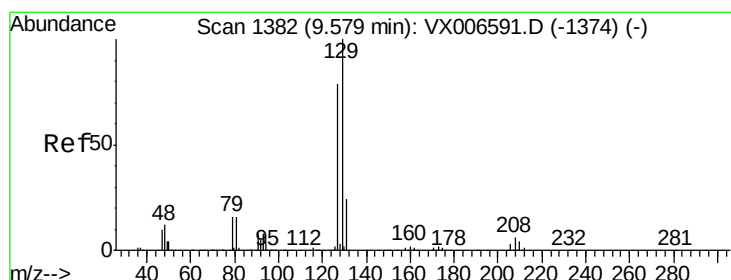
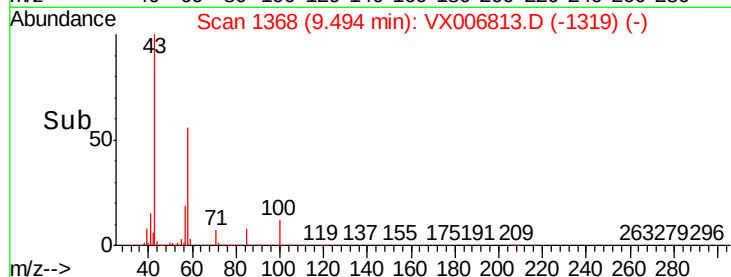
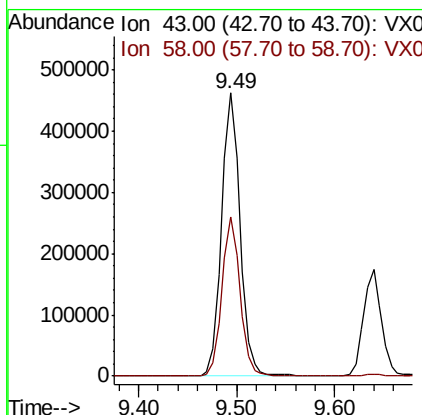
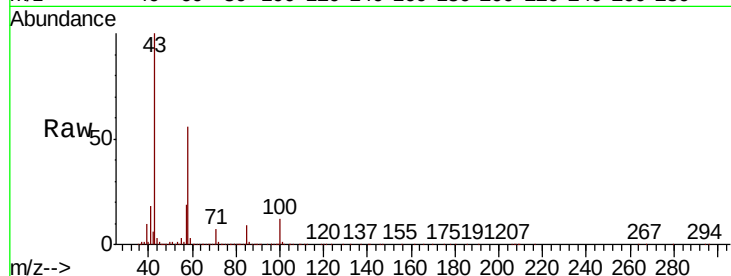
#59
2-Hexanone
Concen: 113.911 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion: 43 Resp: 608404
Ion Ratio Lower Upper
43 100
58 54.7 27.7 83.1

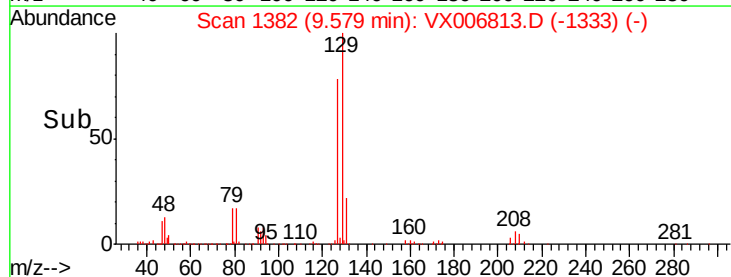
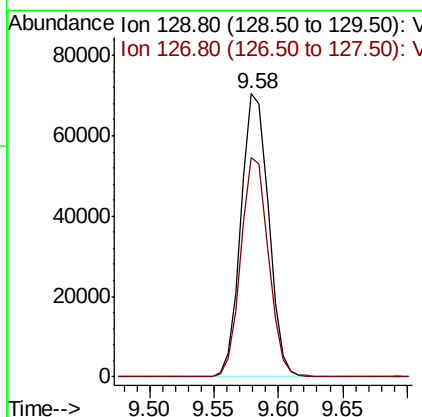
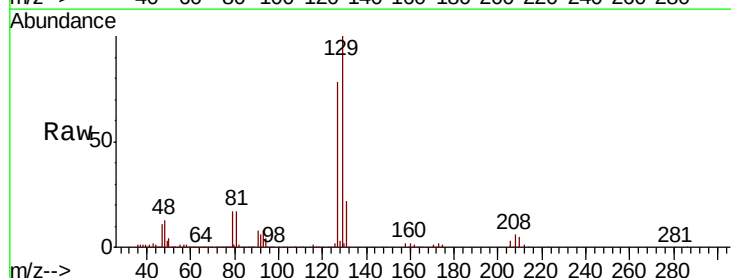
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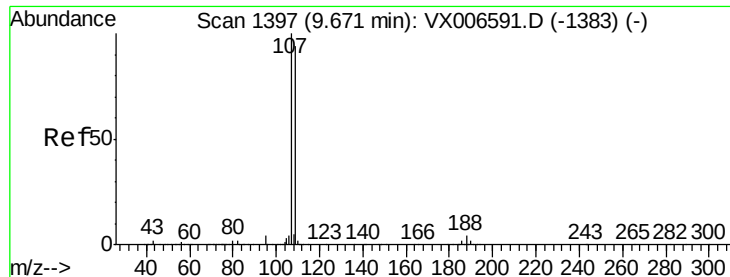
MMDadoda
12/27/2018 9:39:05 AM



#60
Dibromochloromethane
Concen: 19.440 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion: 129 Resp: 104542
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





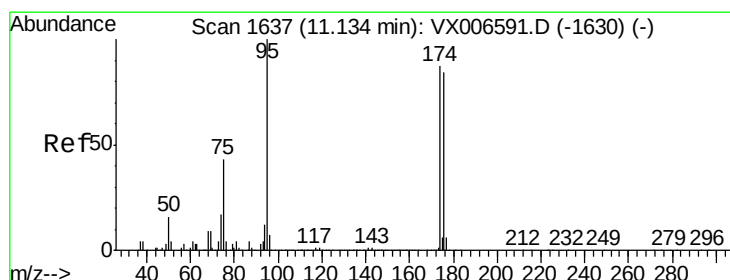
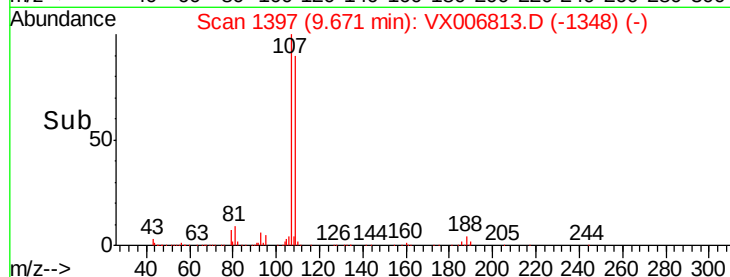
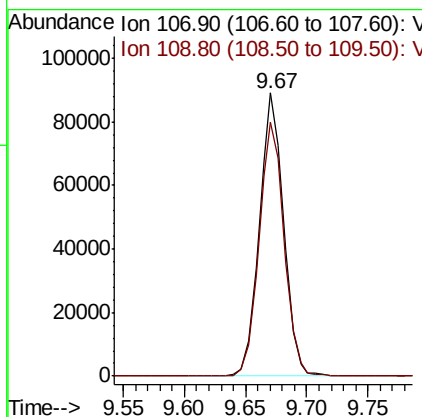
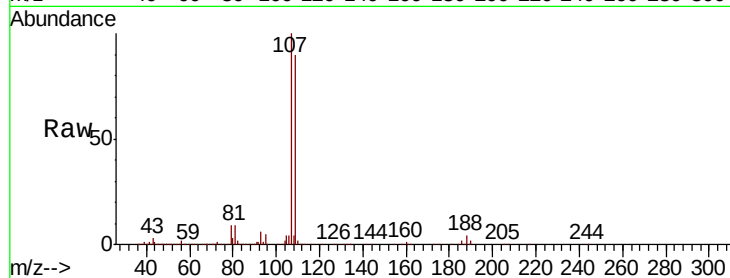
#61
 1,2-Dibromoethane
 Concen: 20.880 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.8	113.6

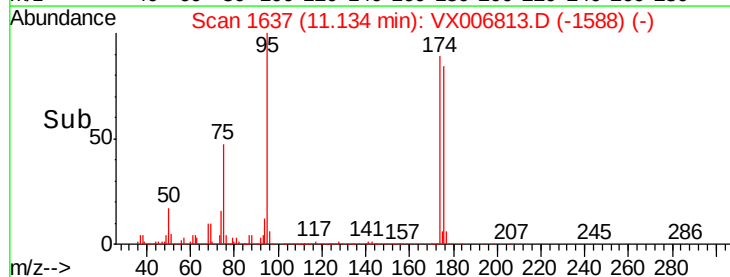
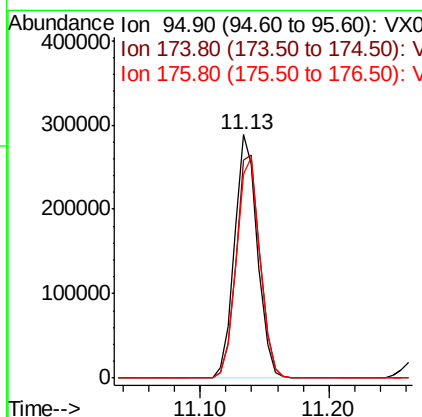
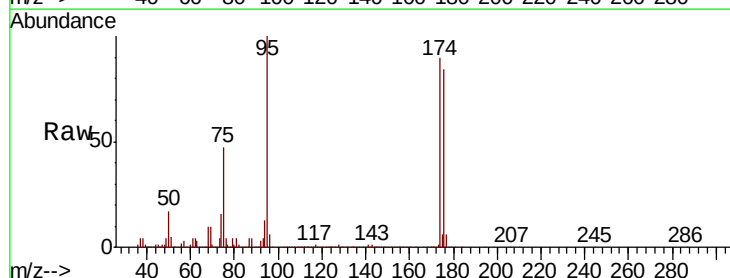
Manual Integrations
 APPROVED

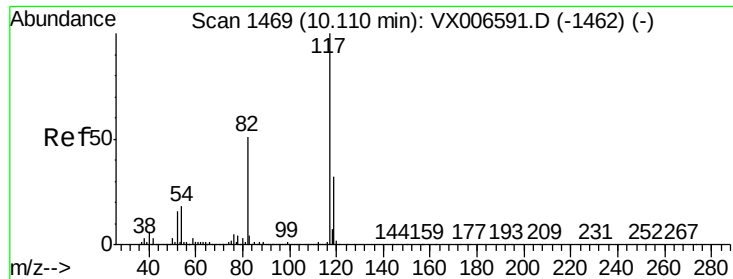
MMDadoda
 12/27/2018 9:39:05 AM



#62
 4-Bromofluorobenzene
 Concen: 49.143 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	182.2
176	92.5	0.0	178.8





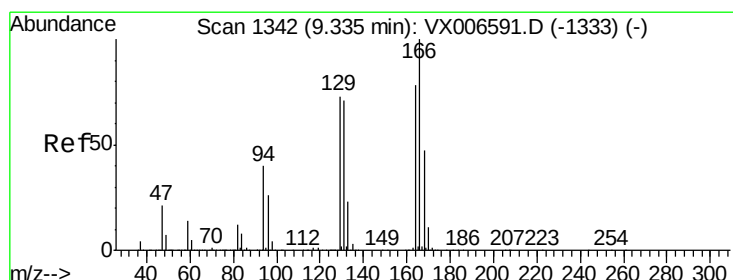
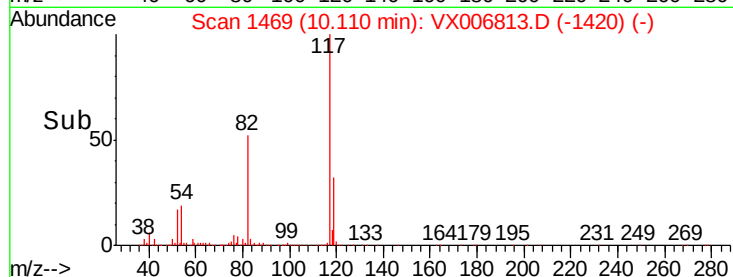
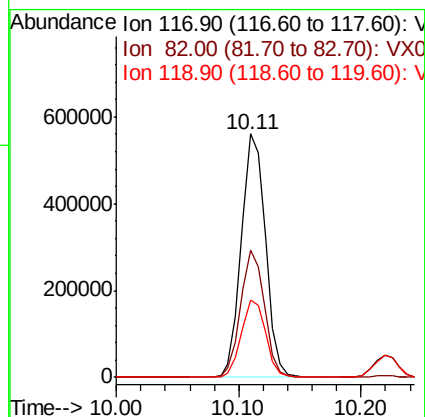
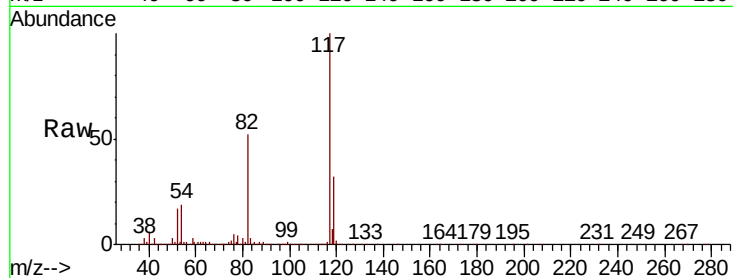
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	765494		
82	52.1	41.0	61.6	
119	31.8	25.4	38.0	

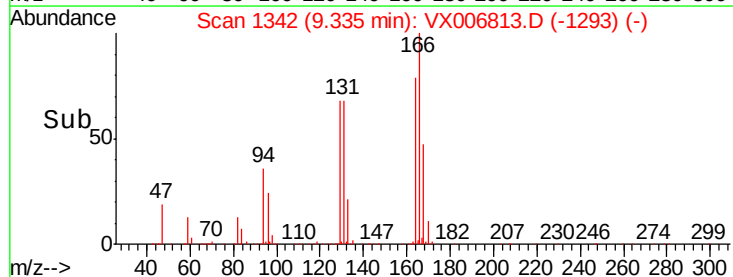
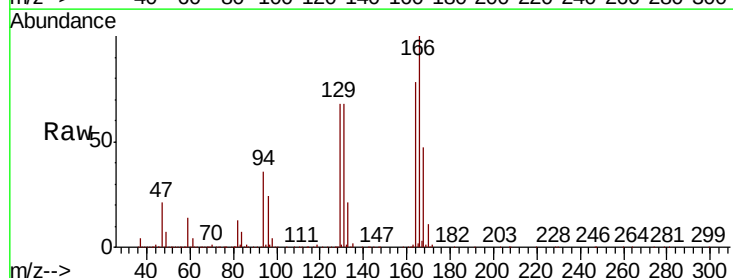
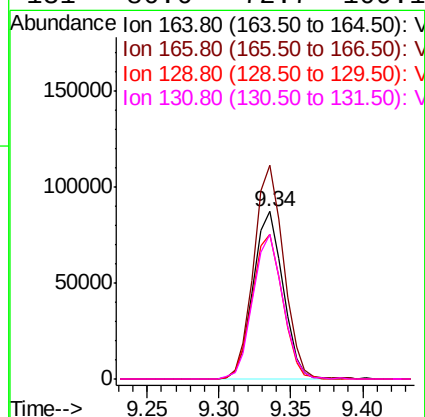
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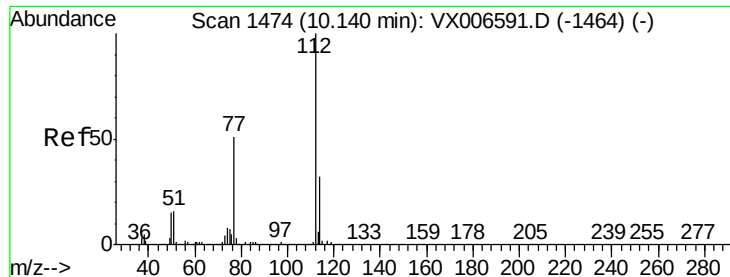
MMDadoda
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#64
Tetrachloroethene
Concen: 20.572 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	124698		
166	127.4	102.5	153.7	
129	86.5	75.1	112.7	
131	86.6	72.7	109.1	





#65

Chlorobenzene

Concen: 20.039 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion:112 Resp: 324529

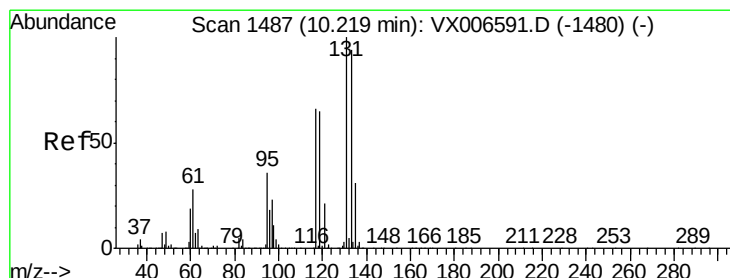
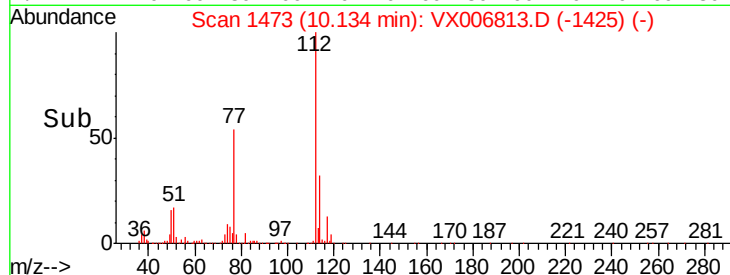
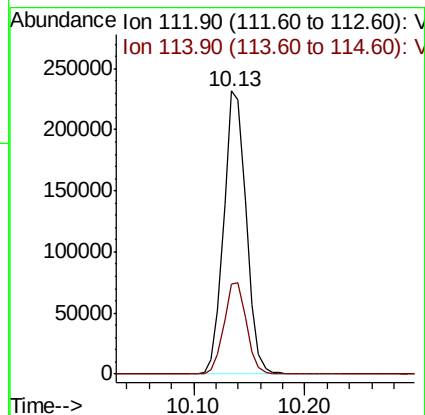
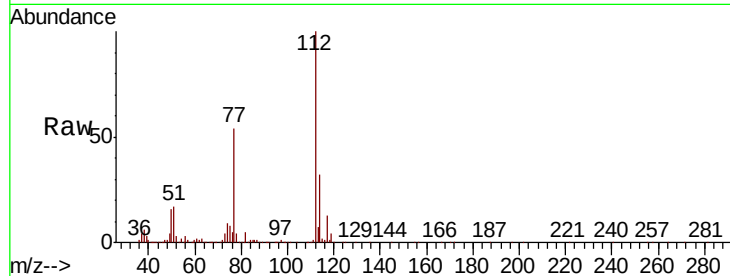
Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.258 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

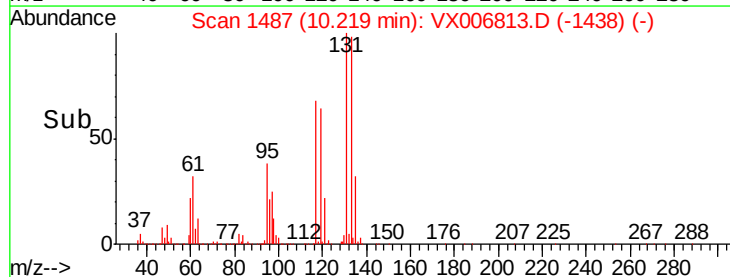
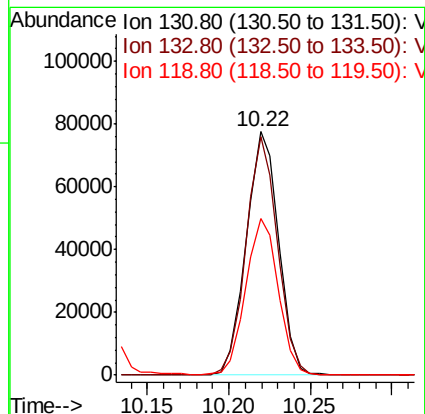
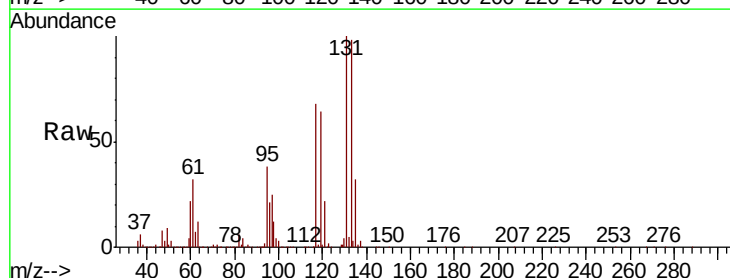
Tgt Ion:131 Resp: 107408

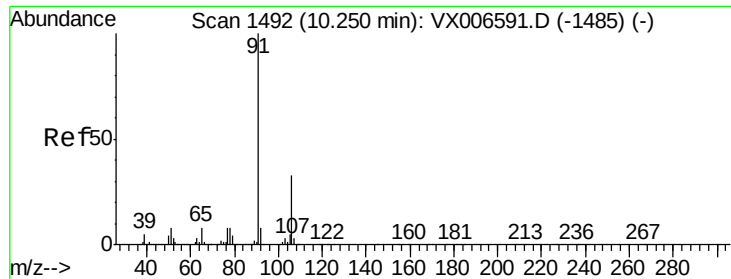
Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.2

119 64.4 32.6 97.8





#67

Ethyl Benzene

Concen: 20.044 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 91 Resp: 530441

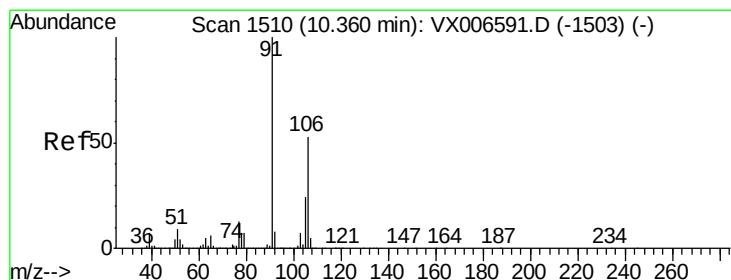
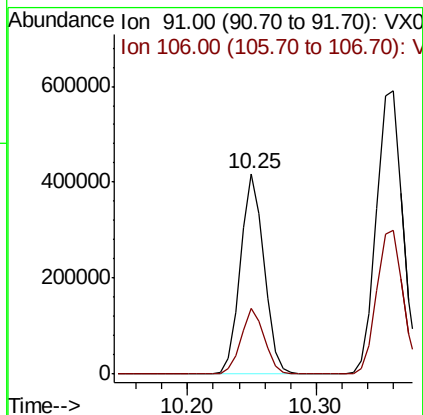
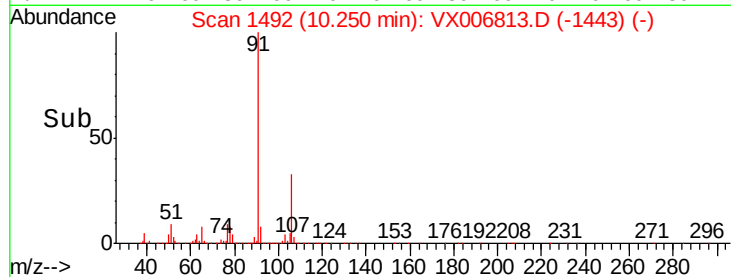
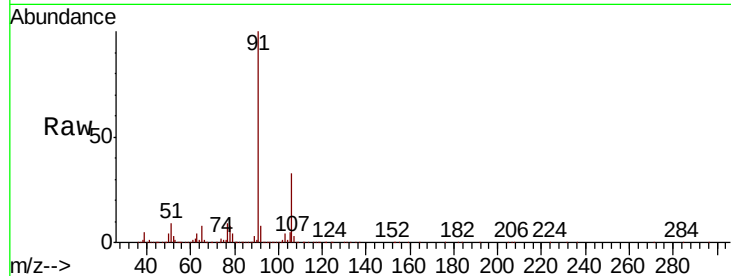
Ion Ratio Lower Upper

91 100

106 33.0 26.4 39.6

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#68

m/p-Xylenes

Concen: 40.315 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006813.D

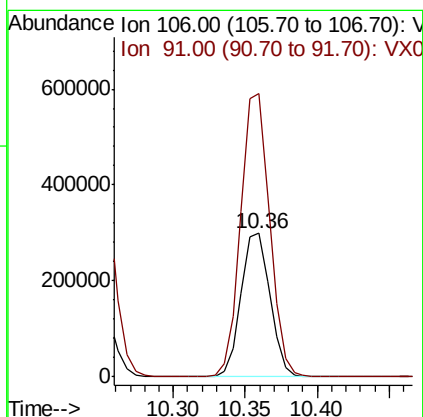
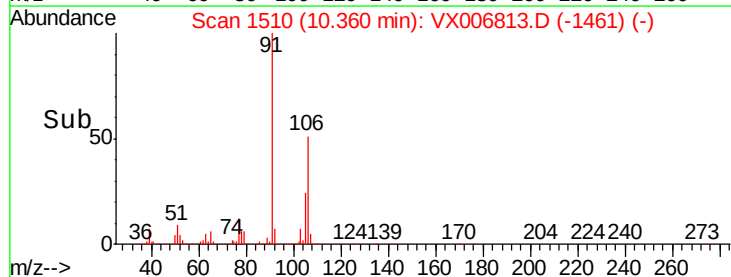
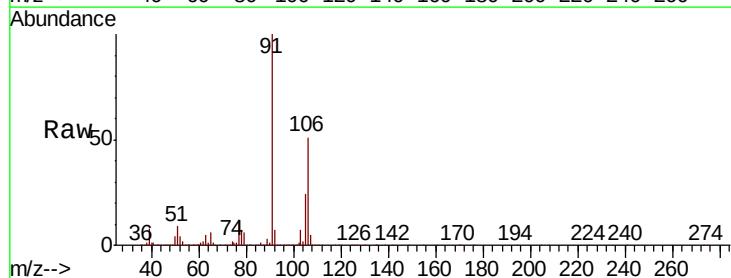
Acq: 26 Dec 2018 12:56

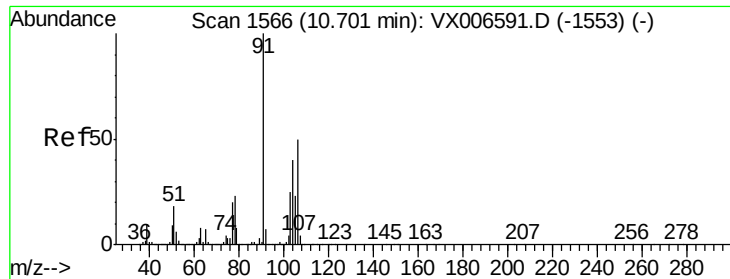
Tgt Ion: 106 Resp: 420987

Ion Ratio Lower Upper

106 100

91 196.4 155.8 233.6





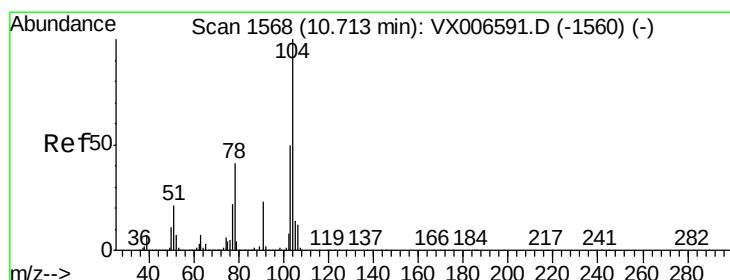
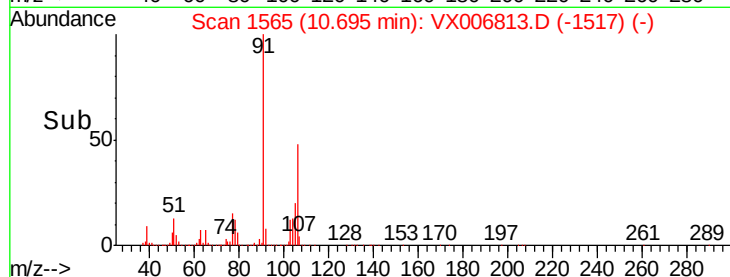
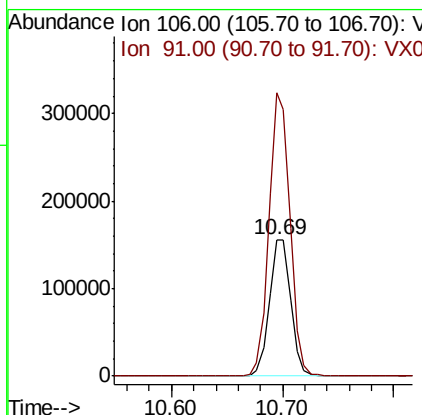
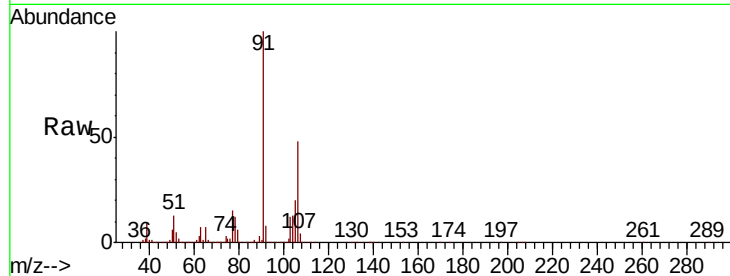
#69
o-Xylene
Concen: 20.239 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.3	101.3	303.7

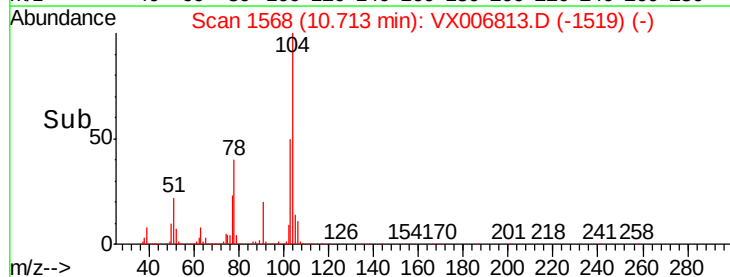
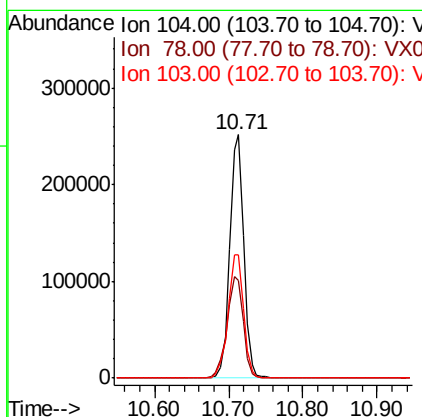
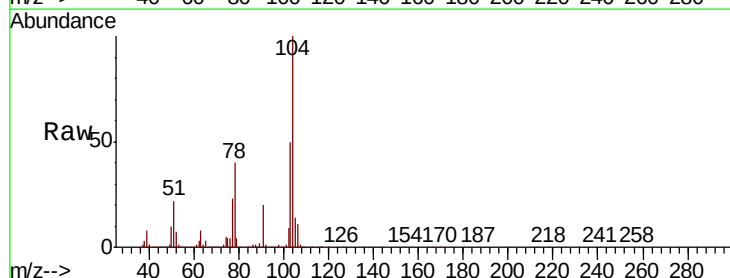
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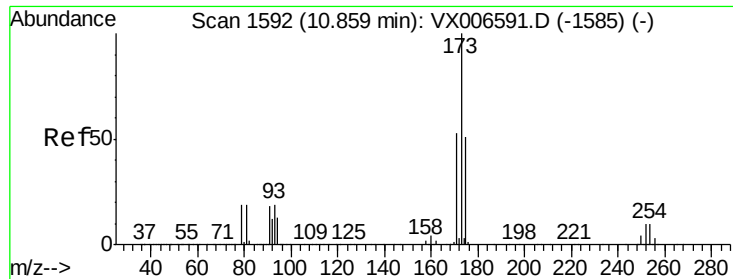
MMDadoda
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#70
Styrene
Concen: 20.306 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	37.7	56.5
103	56.3	43.8	65.8





#71

Bromoform

Concen: 19.826 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

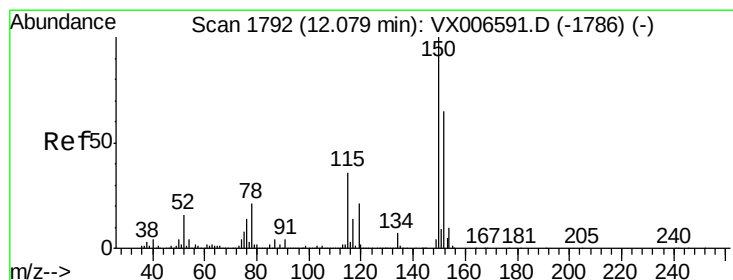
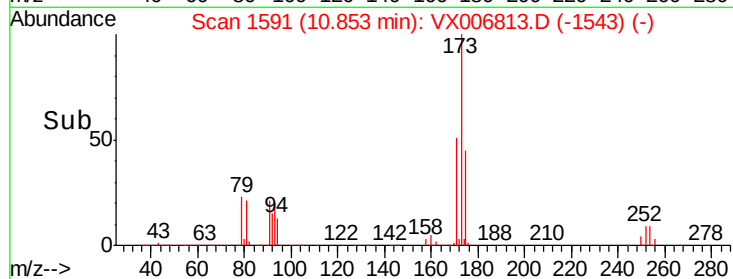
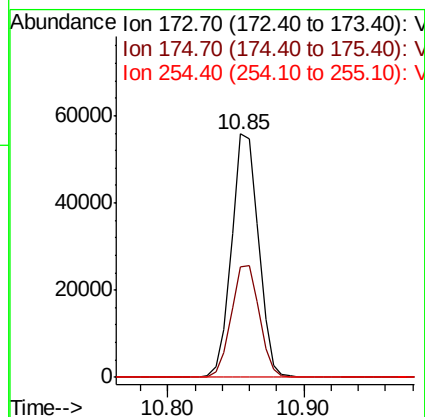
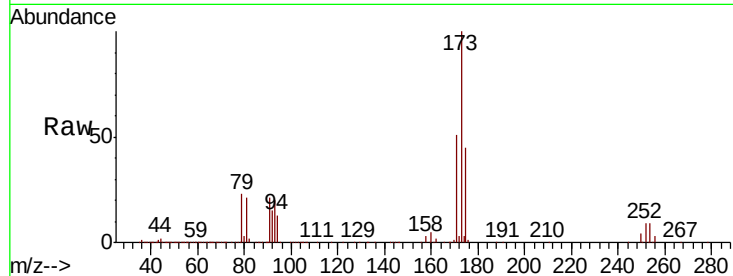
ClientSampleId :

VX1226WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.7	74.1
254	0.3	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

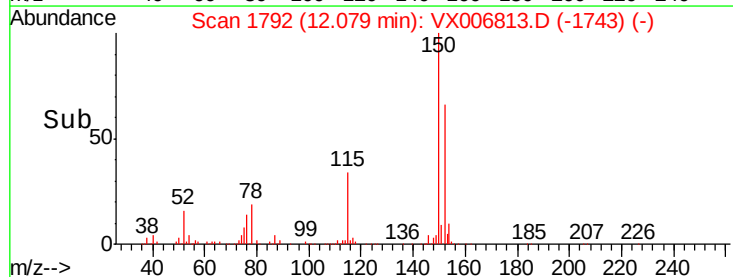
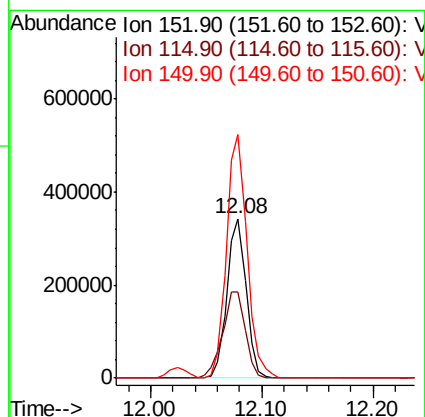
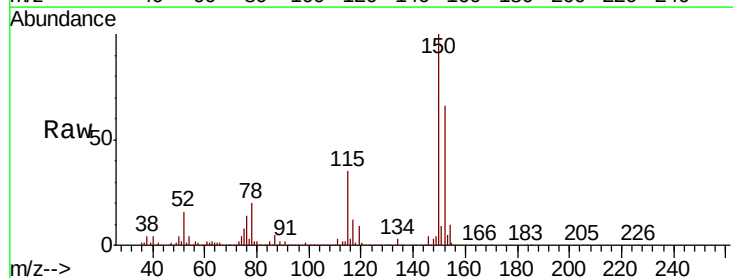
RT: 12.08 min Scan# 1792

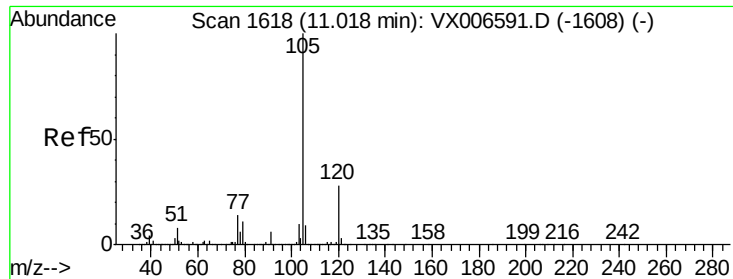
Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	39.1	117.2
150	163.2	0.0	344.8





#73

Isopropylbenzene

Concen: 19.745 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion:105 Resp: 551728

Ion Ratio Lower Upper

105 100

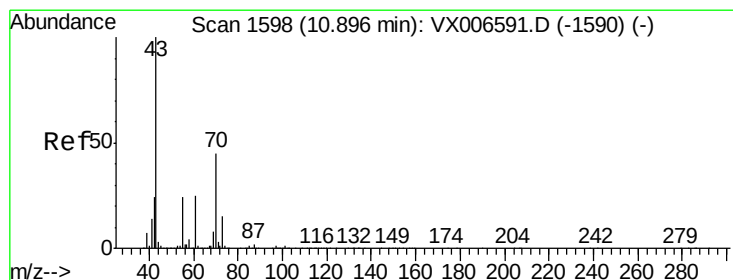
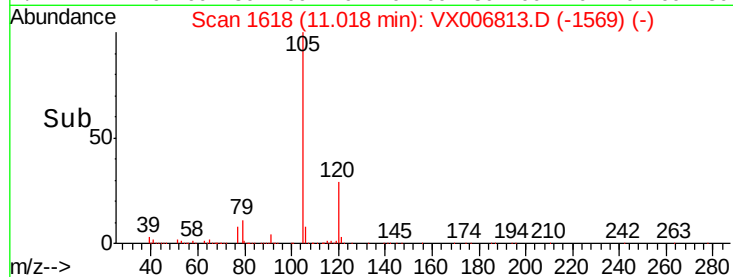
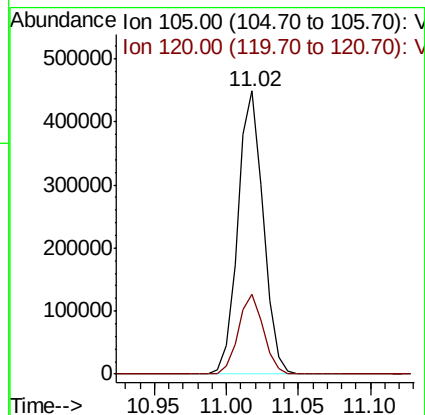
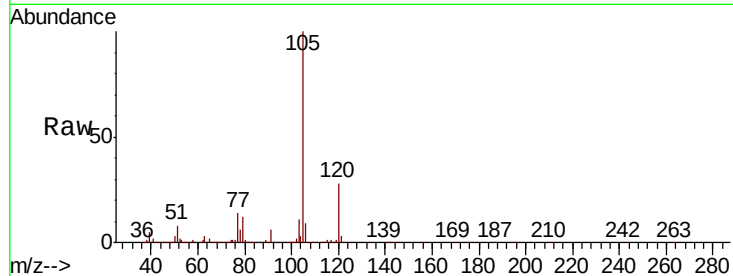
120 28.0 14.1 42.4

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#74

N-ethyl acetate

Concen: 22.160 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Tgt Ion: 43 Resp: 221647

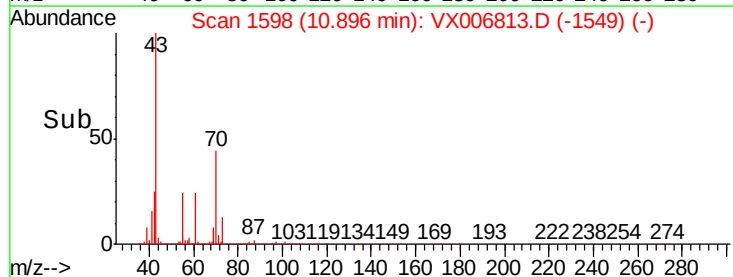
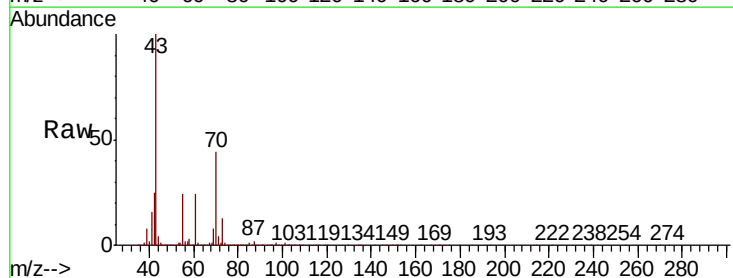
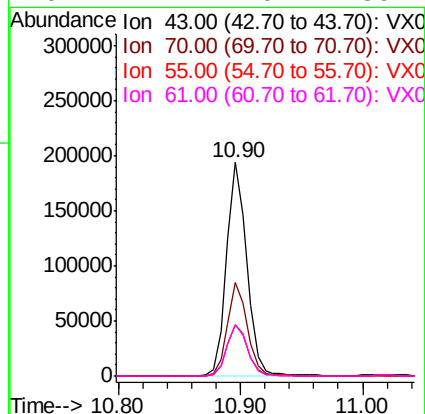
Ion Ratio Lower Upper

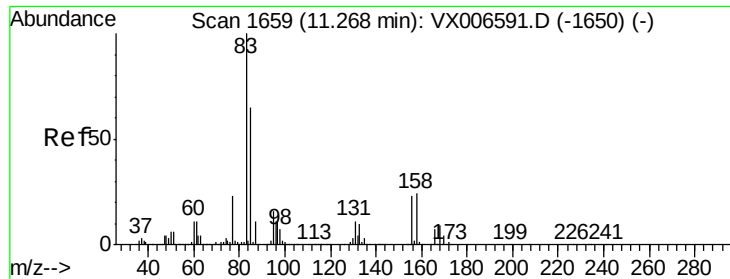
43 100

70 43.1 35.8 53.8

55 24.8 19.4 29.0

61 24.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.310 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 83 Resp: 177091

Ion Ratio Lower Upper

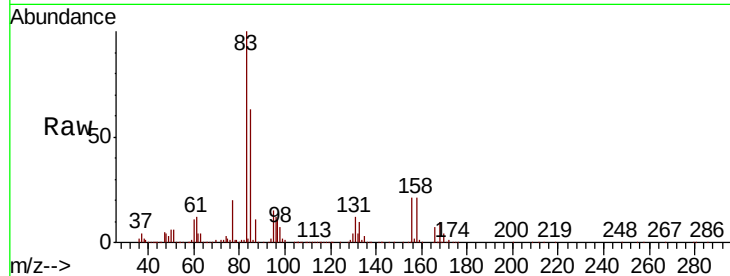
83 100

131 11.2 5.7 17.1

85 64.1 32.2 96.6

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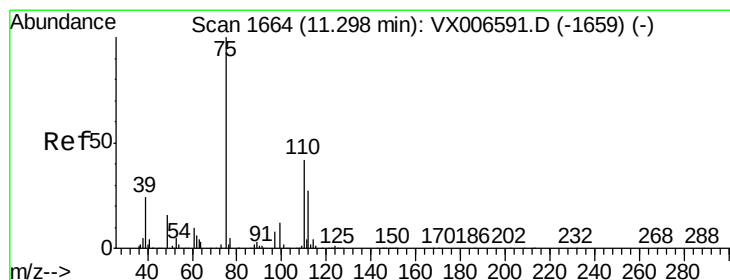
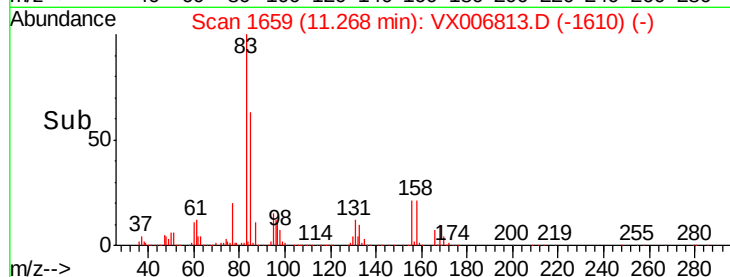
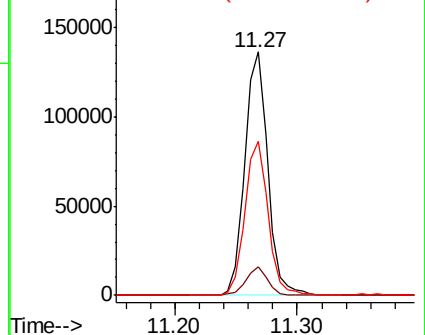
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.474 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006813.D

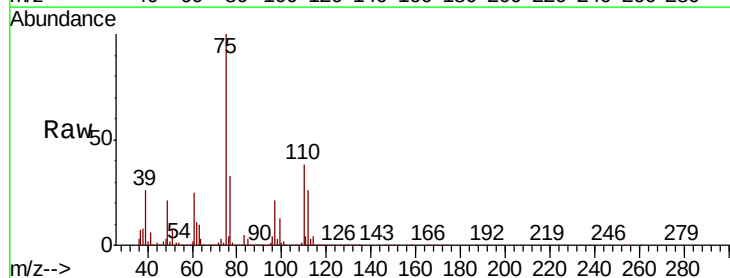
Acq: 26 Dec 2018 12:56

Tgt Ion: 75 Resp: 163000

Ion Ratio Lower Upper

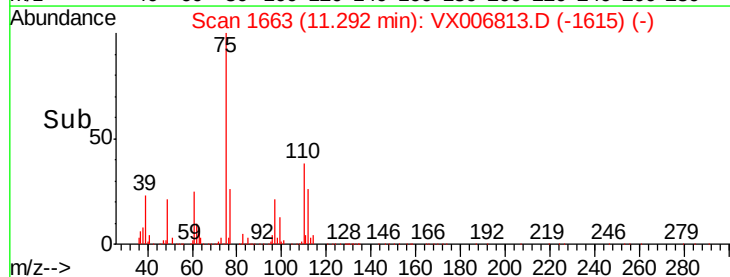
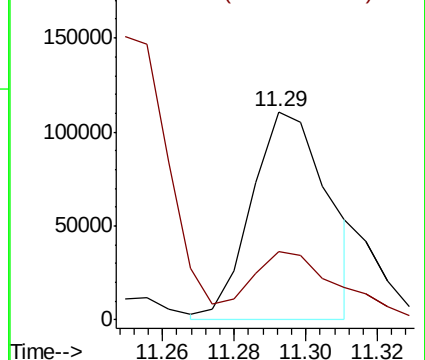
75 100

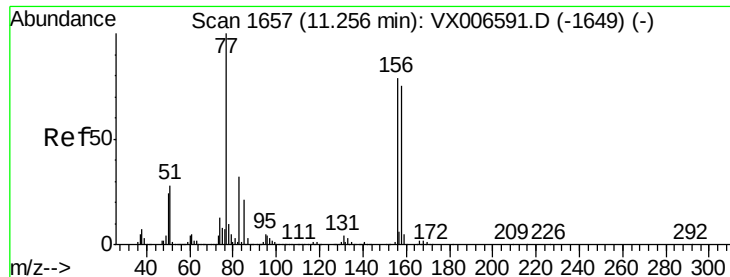
77 37.7 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.012 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

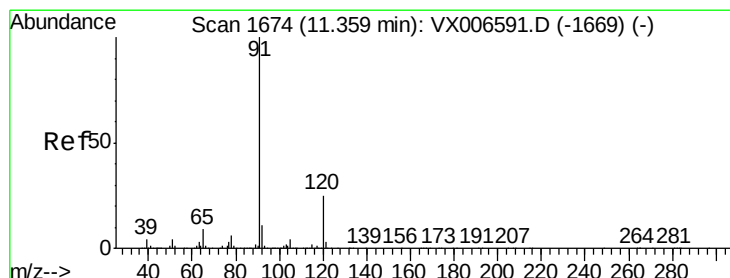
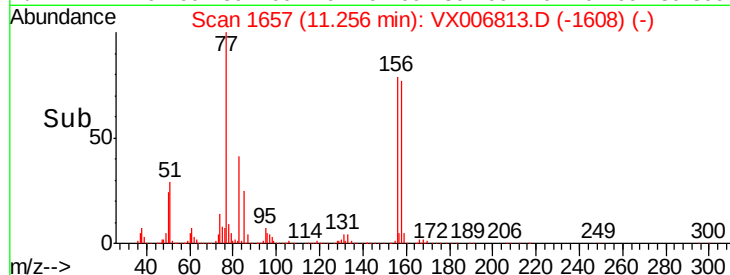
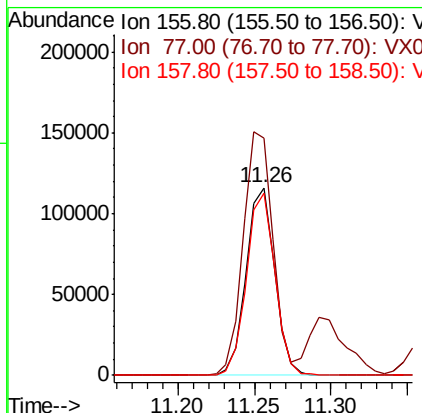
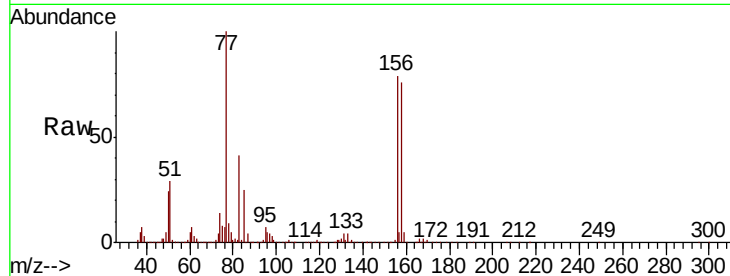
ClientSampleId :

VX1226WBS01

Tot Ion:	156	Resp:	151183
Ion Ratio	Lower	Upper	
156	100		
77	134.1	68.0	204.0
158	96.6	48.3	144.8

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#78

n-propylbenzene

Concen: 19.967 ug/l

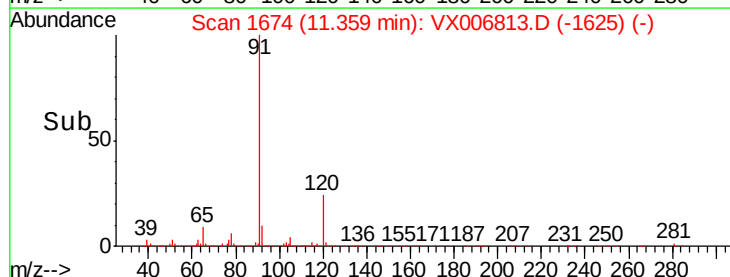
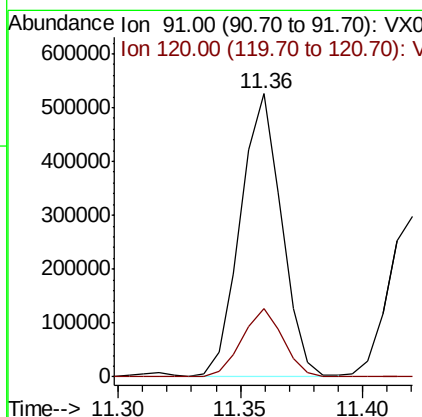
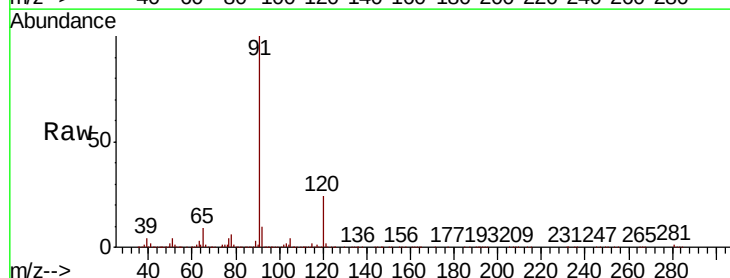
RT: 11.36 min Scan# 1674

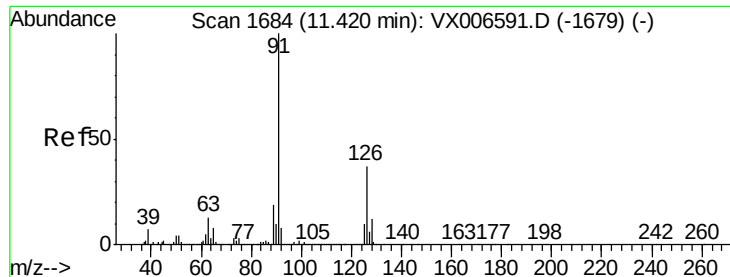
Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Tgt Ion:	91	Resp:	614400
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.488 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion: 91 Resp: 363394

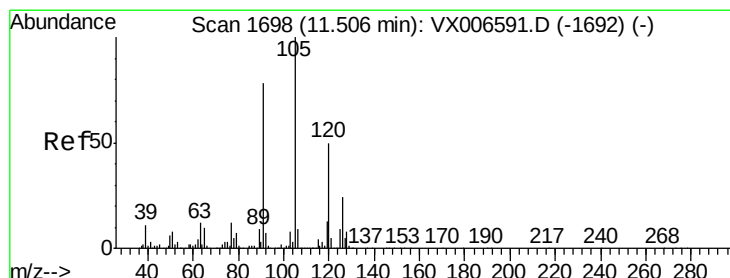
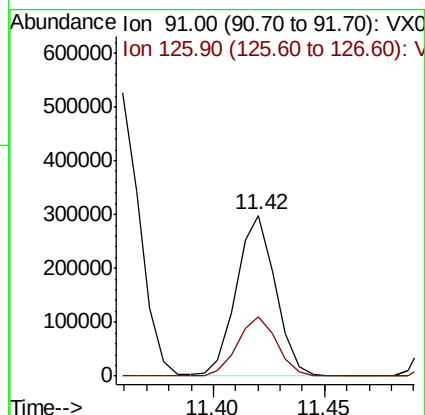
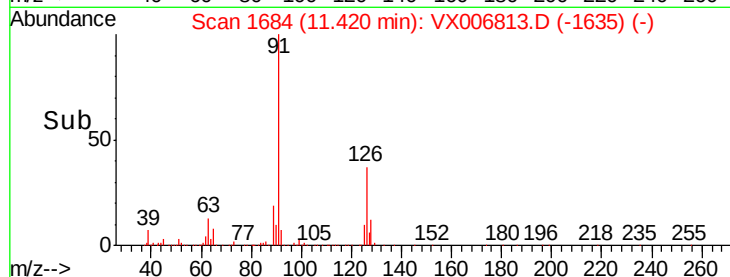
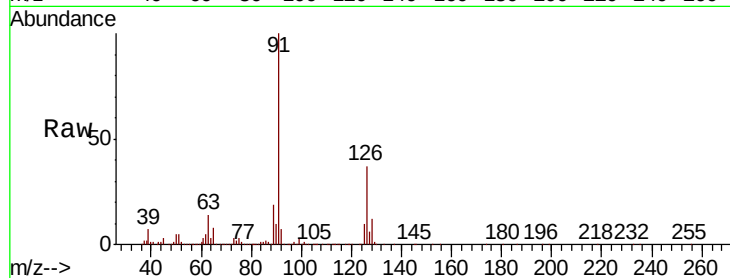
Ion Ratio Lower Upper

91 100

126 37.4 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.801 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006813.D

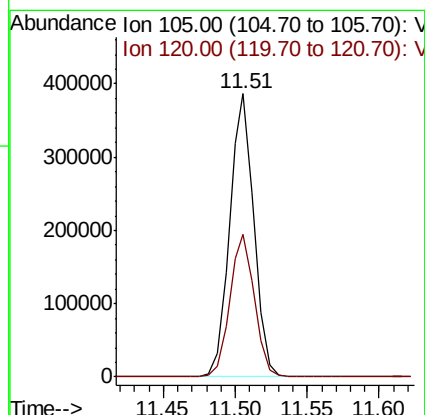
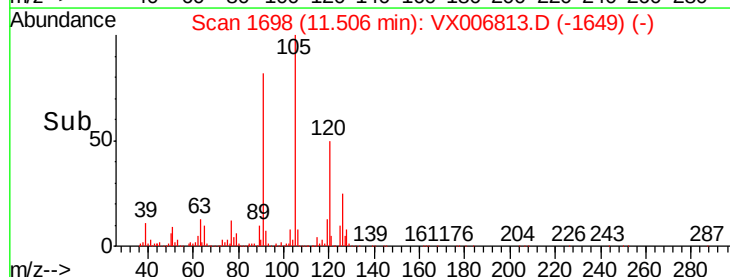
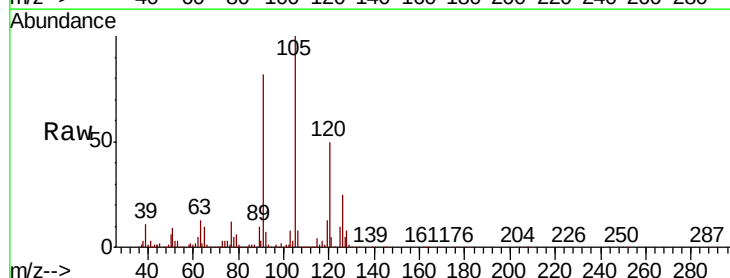
Acq: 26 Dec 2018 12:56

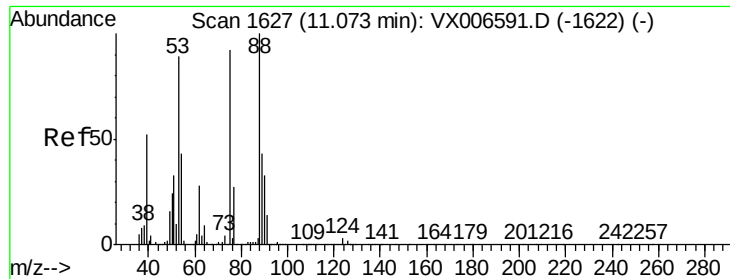
Tgt Ion: 105 Resp: 455737

Ion Ratio Lower Upper

105 100

120 51.0 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.390 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

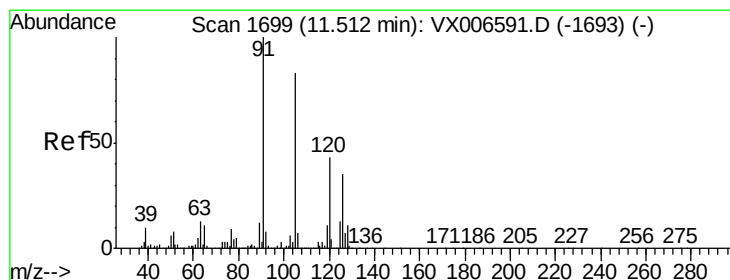
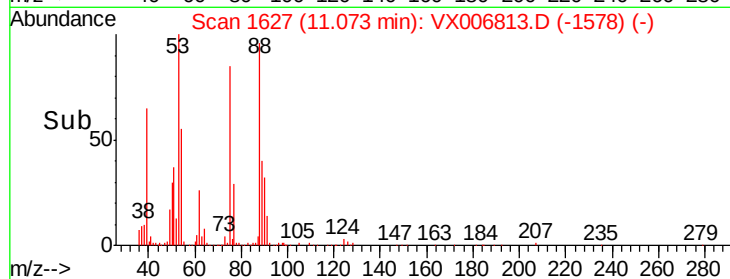
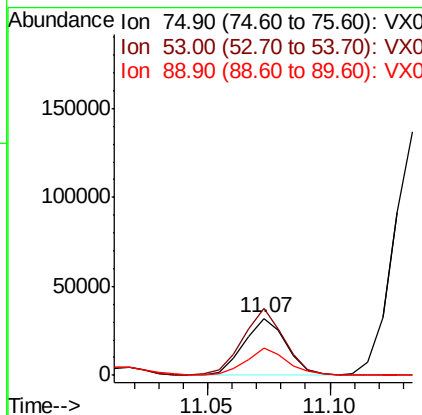
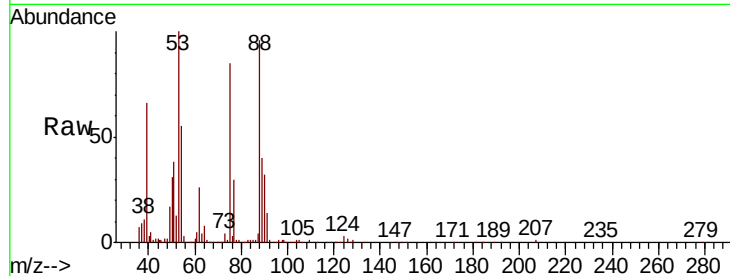
ClientSampleId :

VX1226WBS01

Tot Ion:	75	Resp:	38579
Ion	Ratio	Lower	Upper
75	100		
53	114.6	79.7	119.5
89	47.0	38.0	57.0

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#82

4-Chlorotoluene

Concen: 19.730 ug/l

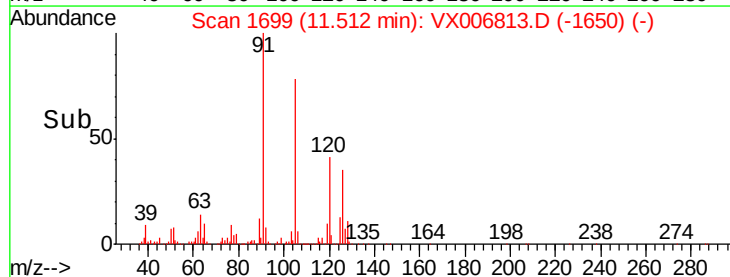
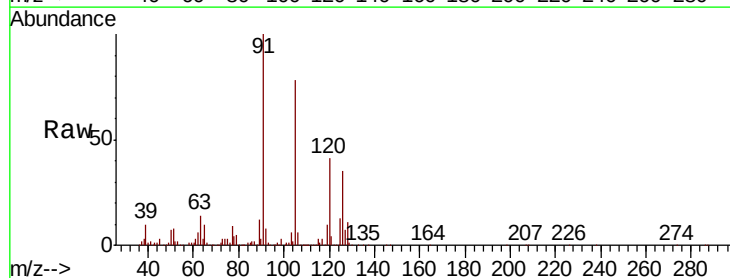
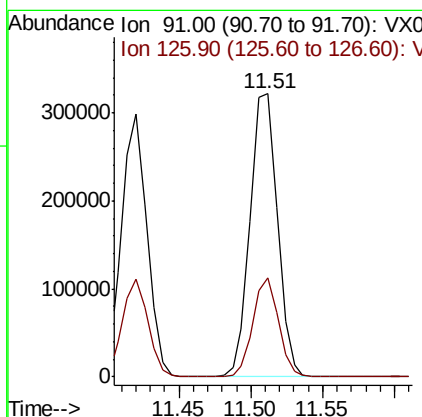
RT: 11.51 min Scan# 1699

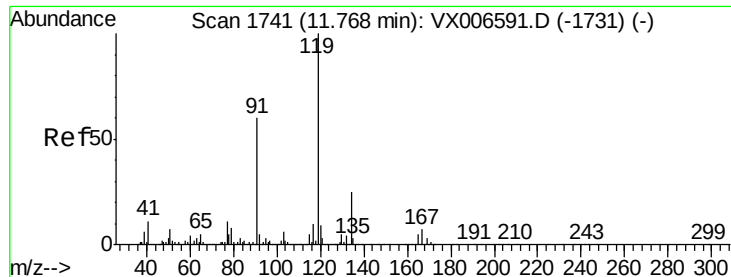
Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Tgt Ion:	91	Resp:	422017
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.3	48.9





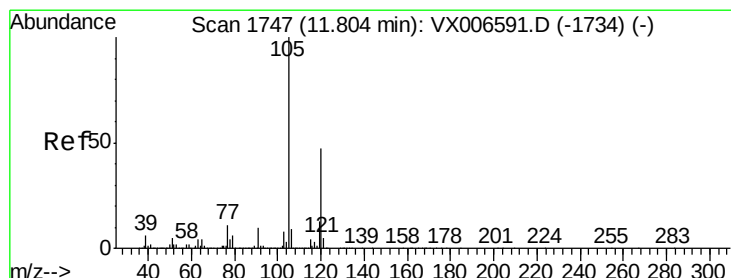
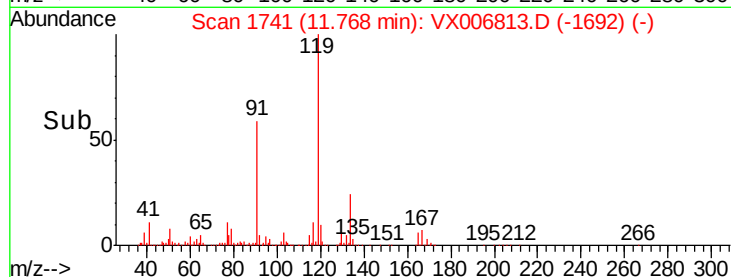
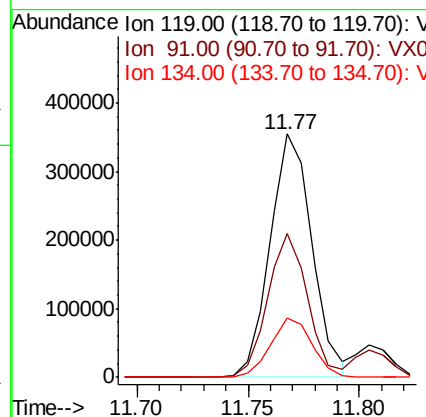
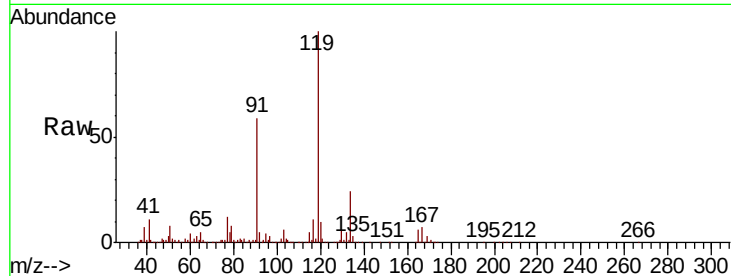
#83
 tert-Butylbenzene
 Concen: 20.123 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.7	83.1
134	24.3	11.9	35.5

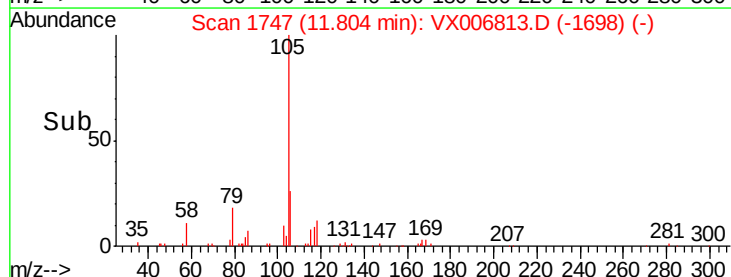
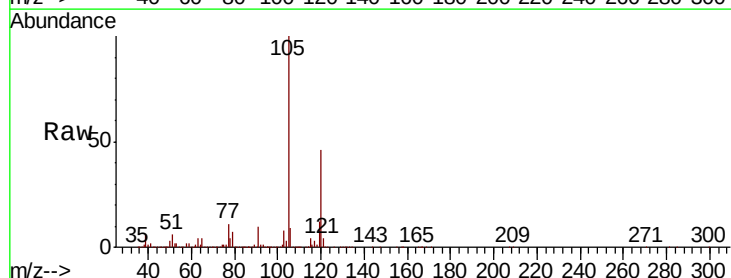
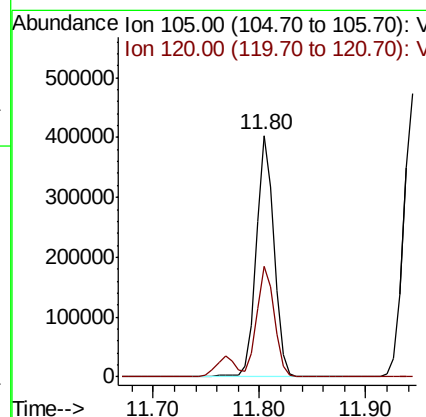
Manual Integrations
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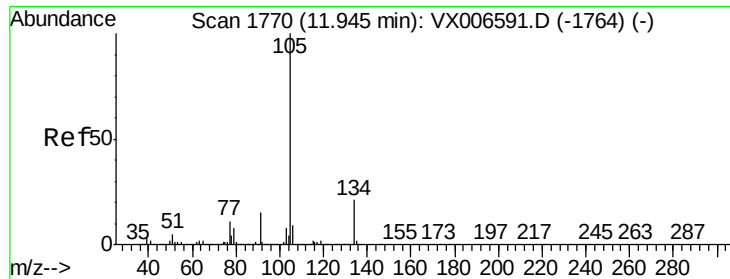
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.465 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.031 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBS01

Tot Ion:105 Resp: 565721

Ion Ratio Lower Upper

105 100

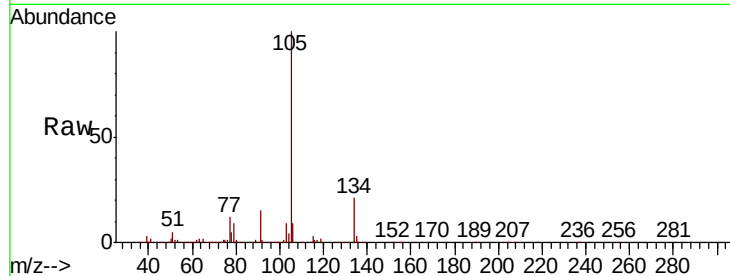
134 21.1 10.7 31.9

Manual Integrations

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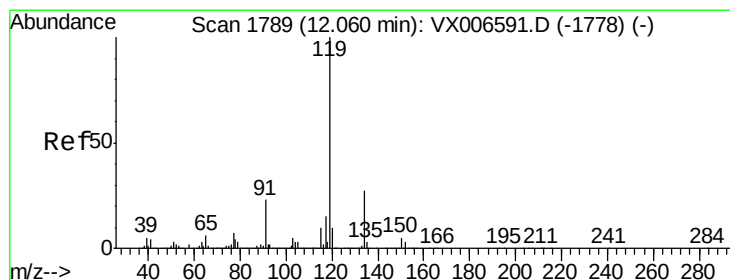
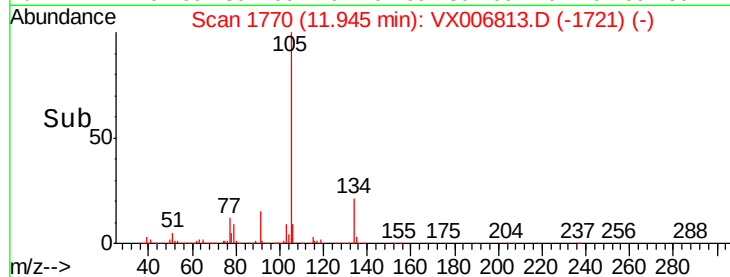
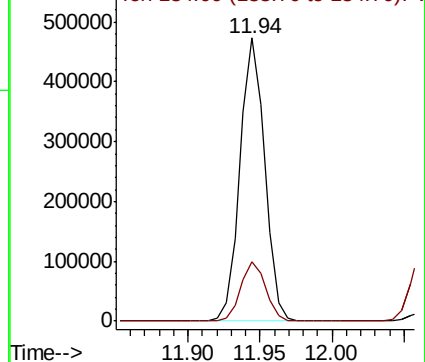
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.158 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006813.D

Acq: 26 Dec 2018 12:56

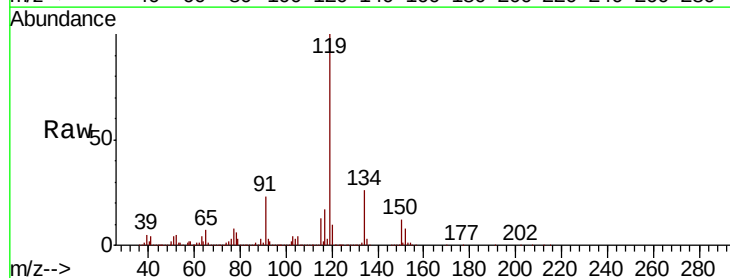
Tgt Ion:119 Resp: 500440

Ion Ratio Lower Upper

119 100

134 27.2 14.0 41.9

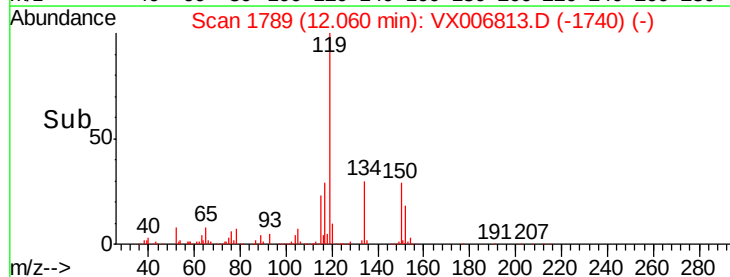
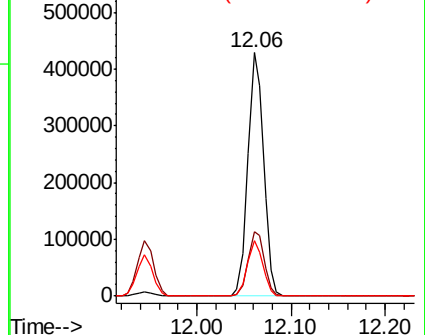
91 22.6 11.3 33.9

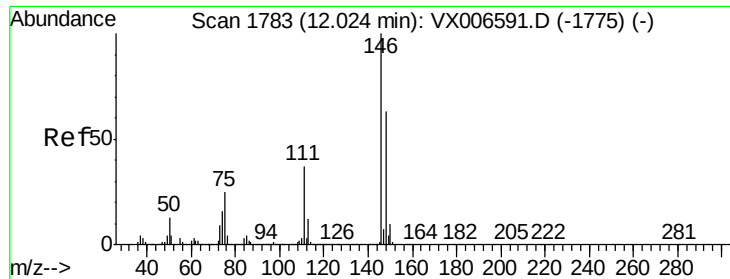


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





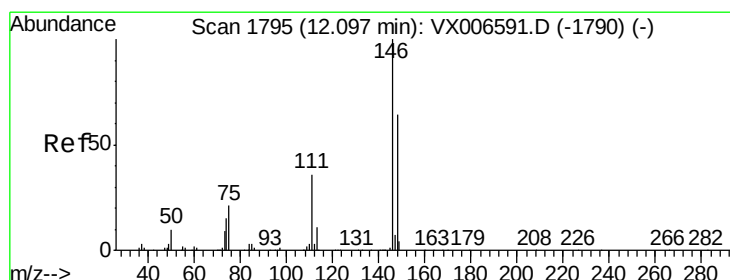
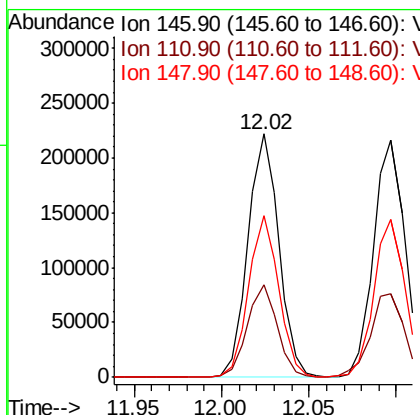
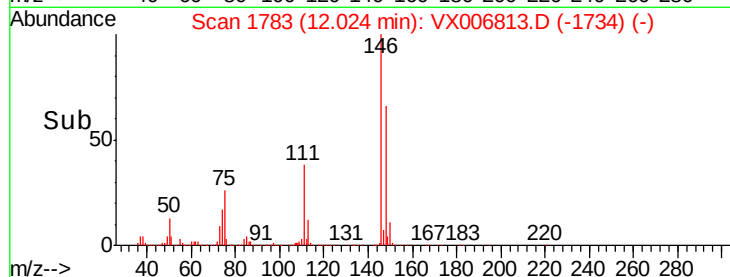
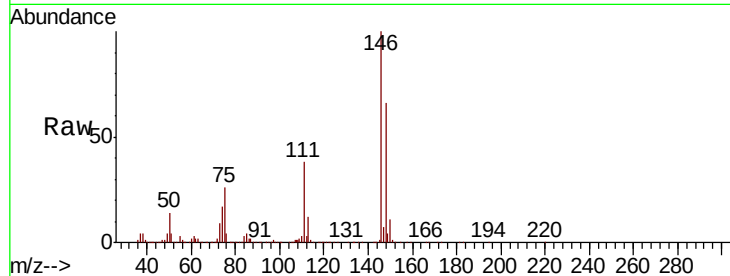
#87
 1,3-Dichlorobenzene
 Concen: 20.068 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.8
148	64.5	31.8	95.3

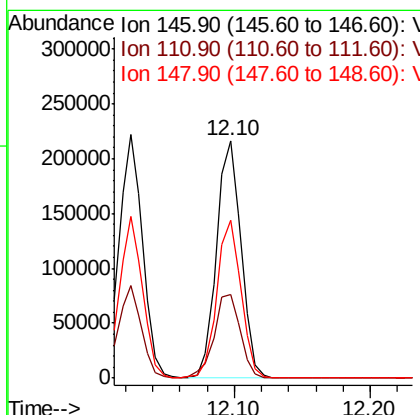
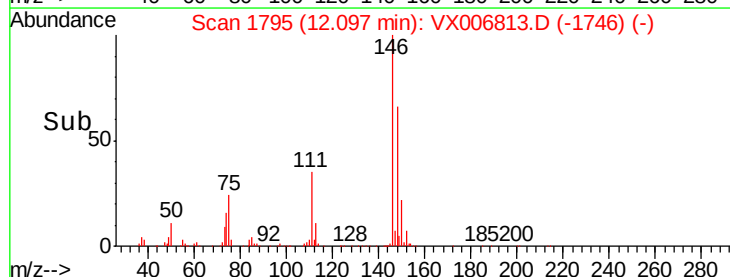
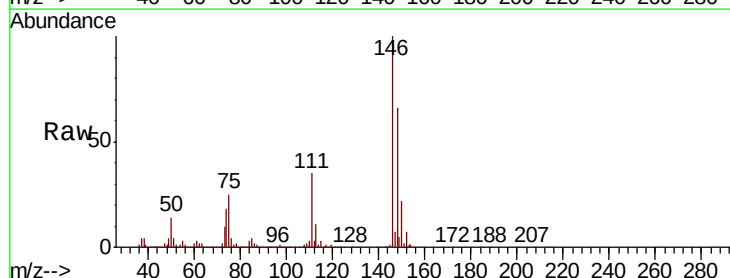
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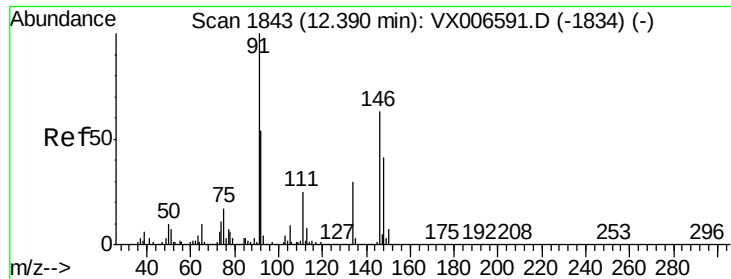
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#88
 1,4-Dichlorobenzene
 Concen: 19.368 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	65.3	31.9	95.9





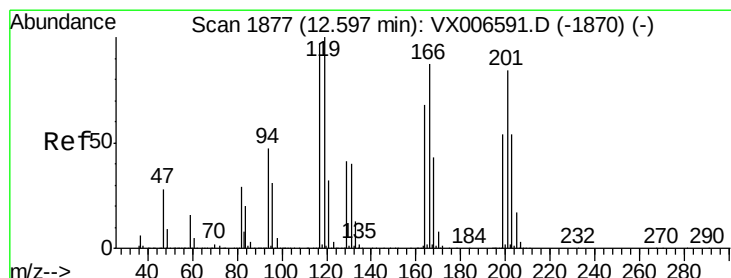
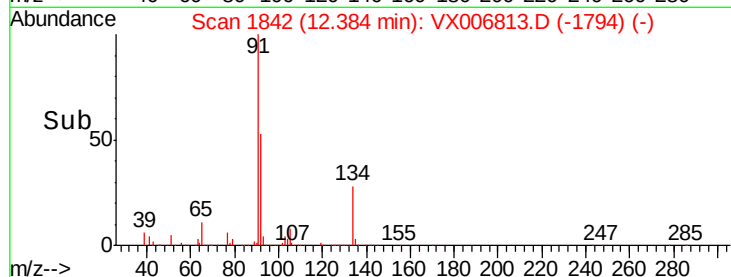
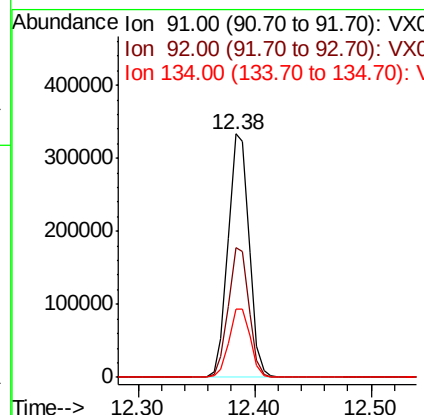
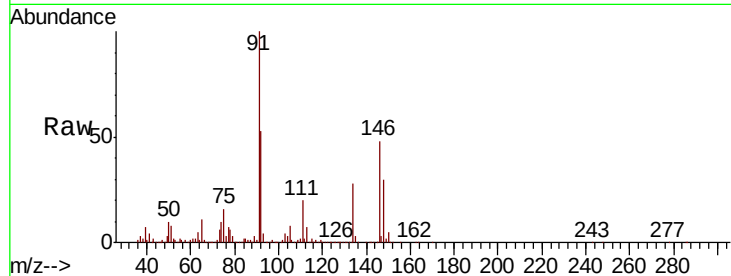
#89
n-Butylbenzene
Concen: 19.648 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.6	26.8	80.4	
134	28.5	14.4	43.2	

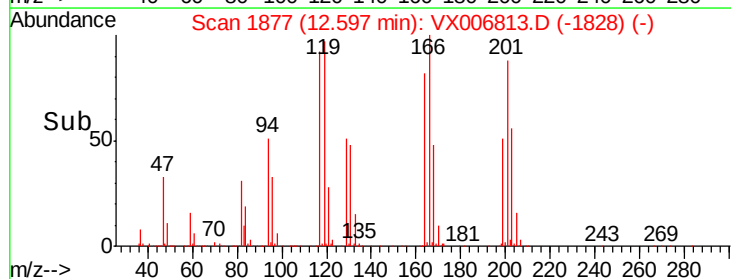
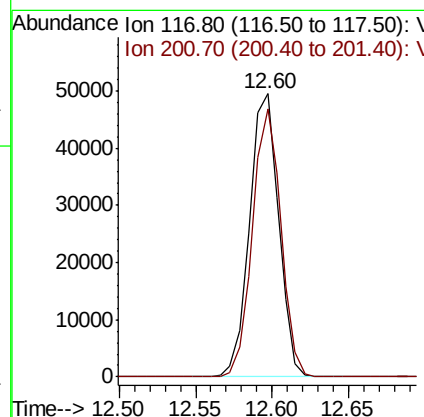
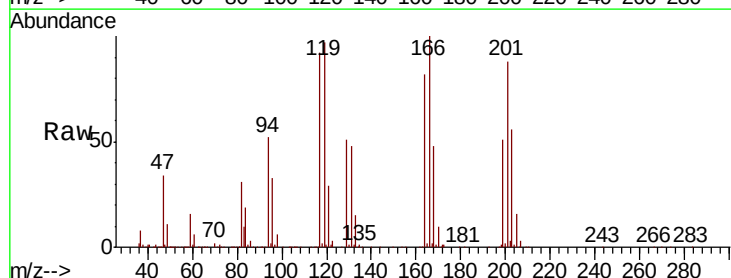
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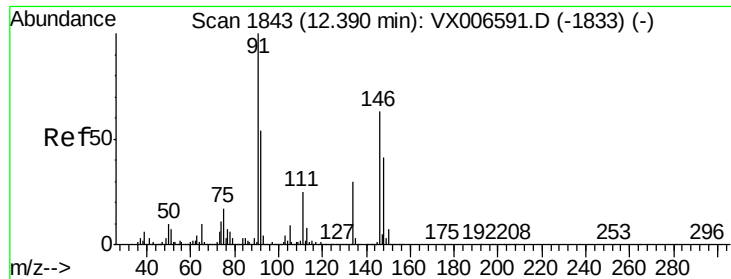
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#90
Hexachloroethane
Concen: 19.068 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	92.3	42.9	128.7	





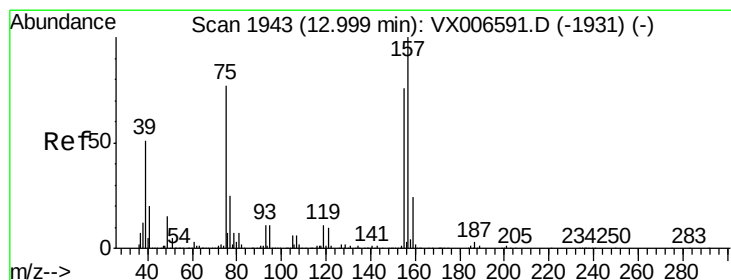
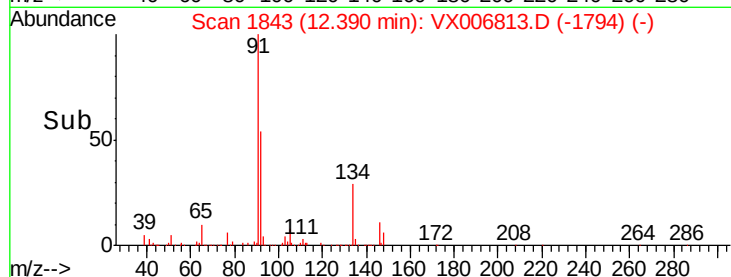
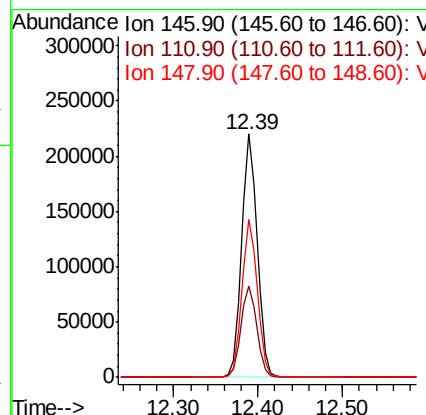
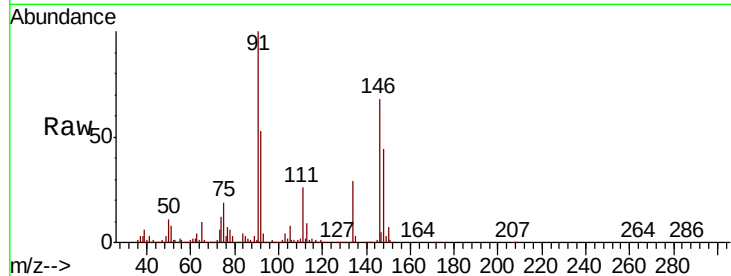
#91
 1,2-Dichlorobenzene
 Concen: 20.088 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	273598		
111	38.1	19.4	58.2	
148	64.2	32.3	96.9	

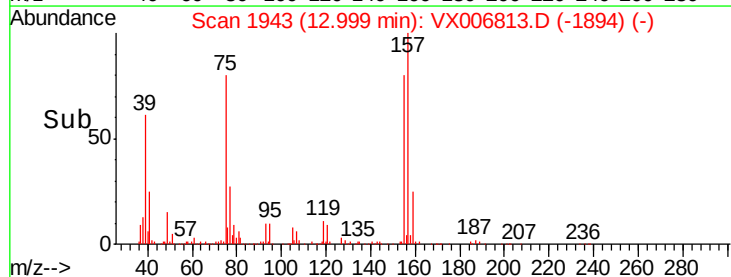
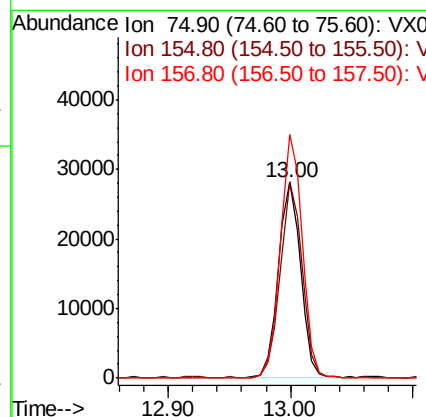
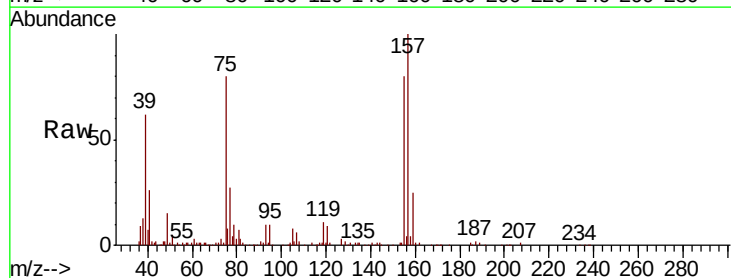
Manual Integrations
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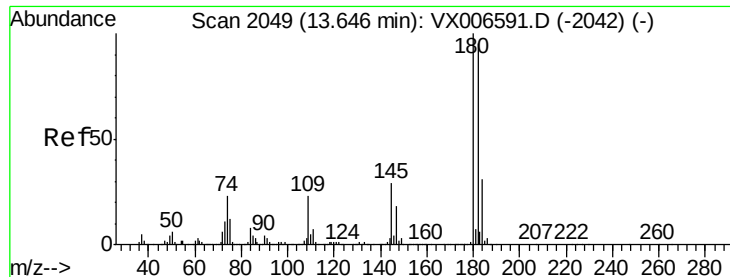
MMDadoda
 12/27/2018 9:39:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.766 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006813.D
 Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35708		
155	98.8	50.6	151.8	
157	121.8	64.6	193.8	





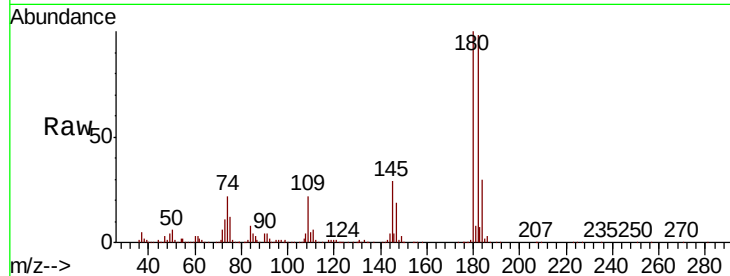
#93
1,2,4-Trichlorobenzene
Concen: 20.294 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	190660		
182	97.6	47.3	142.0	
145	30.5	14.8	44.3	

Manual Integrations
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12/27/2018 9:39:05 AM

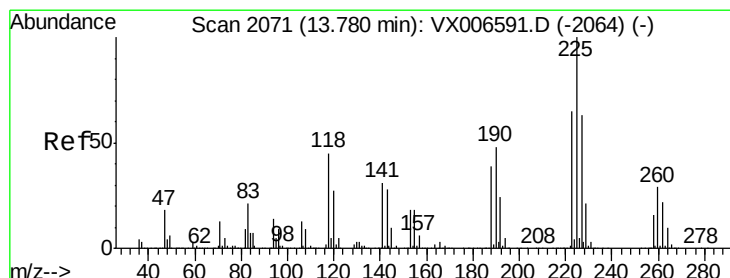
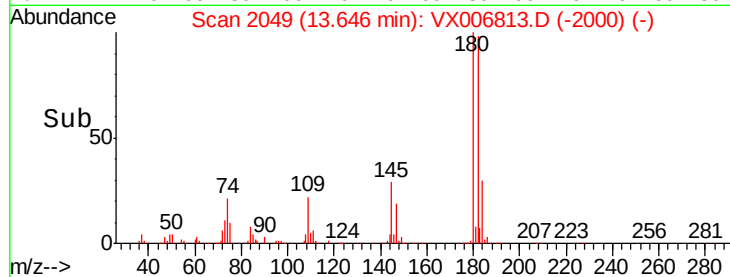
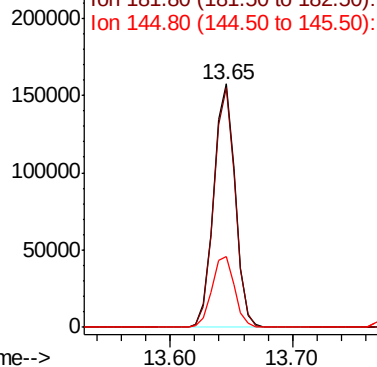


Abundance

Ion 179.80 (179.50 to 180.50): V

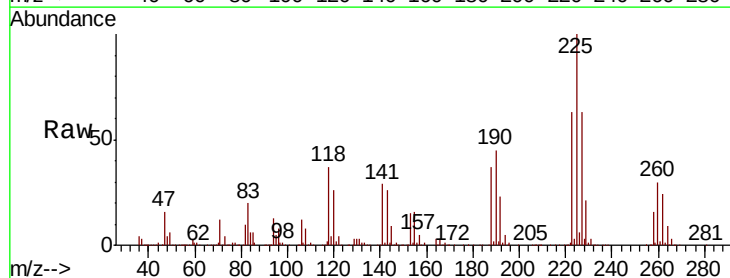
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 20.577 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91119		
223	63.4	32.1	96.3	
227	63.4	32.3	96.8	

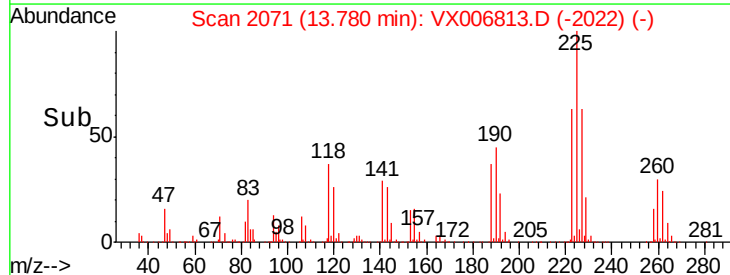
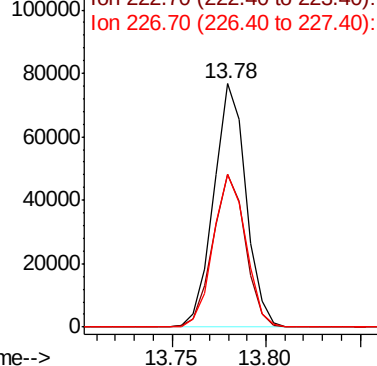


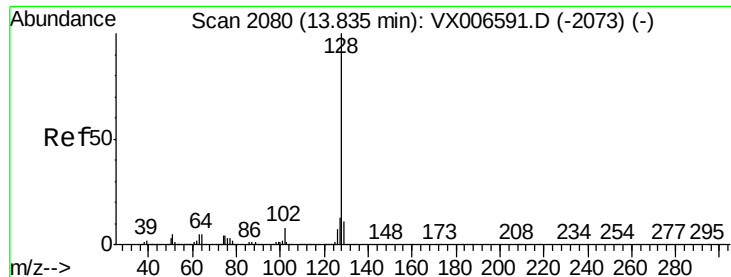
Abundance

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





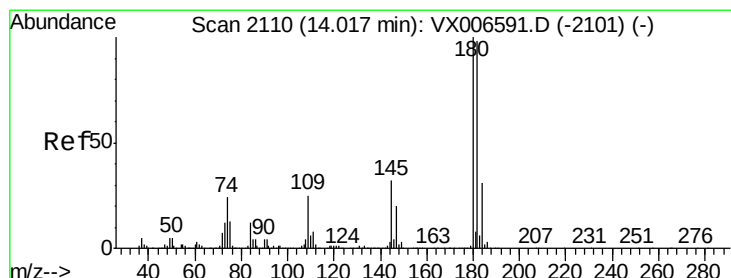
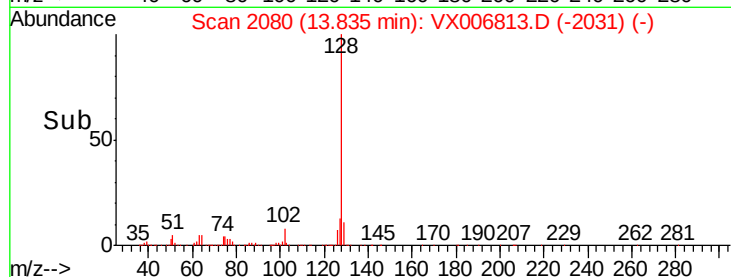
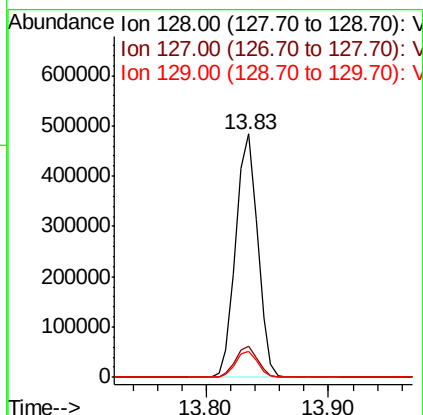
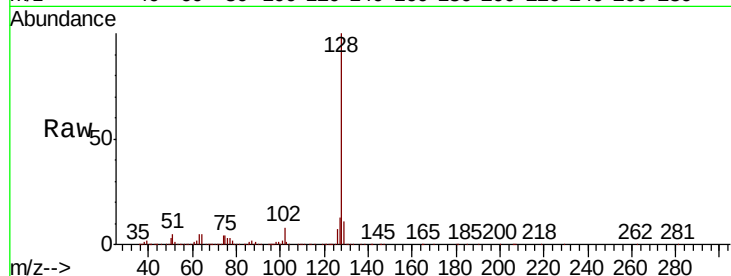
#95
Naphthalene
Concen: 20.003 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/27/2018 9:39:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.482 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006813.D
Acq: 26 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	48.5	145.5
145	29.9	16.0	47.9

