

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082418\
 Data File : VX004245.D
 Acq On : 24 Aug 2018 14:29
 Operator : JC/MD
 Sample : VX0824WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 11:42:52 AM

Quant Time: Aug 25 01:01:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	329640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	267371	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	209617	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	5.50	113	181385	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	8.71	98	683115	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.14	95	253582	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	78338	20.517	ug/l	99
3) Chloromethane	1.32	50	80666	19.295	ug/l	99
4) Vinyl Chloride	1.40	62	85095	19.702	ug/l	99
5) Bromomethane	1.64	94	45348	20.087	ug/l	99
6) Chloroethane	1.72	64	55964	17.572	ug/l	96
7) Trichlorofluoromethane	1.93	101	115528	19.519	ug/l	95
8) Diethyl Ether	2.19	74	50262	19.831	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70842	19.109	ug/l	99
10) Methyl Iodide	2.51	142	70612	19.705	ug/l	98
11) Tert butyl alcohol	3.07	59	91543	99.955	ug/l	100
12) 1,1-Dichloroethene	2.37	96	66966	19.176	ug/l	99
13) Acrolein	2.29	56	31917	144.553	ug/l	96
14) Allyl chloride	2.73	41	122569	19.104	ug/l	99
15) Acrylonitrile	3.15	53	214976	94.782	ug/l	100
16) Acetone	2.45	43	184510	100.369	ug/l	98
17) Carbon Disulfide	2.57	76	179466	19.007	ug/l	99
18) Methyl Acetate	2.78	43	132988	20.858	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	229247	19.920	ug/l	99
20) Methylene Chloride	2.85	84	78917	19.081	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	73143	18.923	ug/l	96
22) Diisopropyl ether	3.87	45	231462	19.322	ug/l	95
23) Vinyl Acetate	3.82	43	917313	94.478	ug/l	98
24) 1,1-Dichloroethane	3.69	63	130201	18.650	ug/l	99
25) 2-Butanone	4.70	43	280030	95.511	ug/l	99
26) 2,2-Dichloropropane	4.58	77	102609	18.739	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	83589	19.067	ug/l	99
28) Bromochloromethane	5.02	49	59601	19.283	ug/l	100
29) Tetrahydrofuran	5.15	42	174519	94.541	ug/l	98
30) Chloroform	5.21	83	134298	19.186	ug/l	98
31) Cyclohexane	5.57	56	115702	19.208	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	111888	19.169	ug/l	99
36) 1,1-Dichloropropene	5.80	75	99660	18.760	ug/l	98
37) Ethyl Acetate	4.86	43	100332	19.204	ug/l	99
38) Carbon Tetrachloride	5.78	117	96587	19.328	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	114933	18.950	ug/l	99
40) Benzene	6.14	78	309161	19.477	ug/l	99
41) Methacrylonitrile	5.06	41	57819	19.092	ug/l	98
42) 1,2-Dichloroethane	6.20	62	105704	19.522	ug/l	100
43) Isopropyl Acetate	6.46	43	157241	19.586	ug/l	99
44) Trichloroethene	7.21	130	83106	18.914	ug/l	100
45) 1,2-Dichloropropane	7.51	63	76030	19.137	ug/l	97
46) Dibromomethane	7.67	93	50727	19.177	ug/l	99
47) Bromodichloromethane	7.90	83	95560	19.414	ug/l	99
48) Methyl methacrylate	7.77	41	82466	19.198	ug/l	99
49) 1,4-Dioxane	7.76	88	38527	395.026	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	532793	91.341	ug/l	99
52) Toluene	8.79	92	198913	20.019	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	105089	19.330	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	116715	19.710	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	79561	19.835	ug/l	99
56) Ethyl methacrylate	9.18	69	109090	19.979	ug/l	98
57) 1,3-Dichloropropane	9.37	76	133954	19.813	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	280127	100.125	ug/l	100
59) 2-Hexanone	9.50	43	409028	91.916	ug/l	100
60) Dibromochloromethane	9.59	129	75151	19.230	ug/l	99
61) 1,2-Dibromoethane	9.67	107	81781	19.702	ug/l	99
64) Tetrachloroethene	9.34	164	81585	19.752	ug/l	97
65) Chlorobenzene	10.14	112	205414	19.574	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	69921	19.318	ug/l	97
67) Ethyl Benzene	10.25	91	342519	20.098	ug/l	96
68) m/p-Xylenes	10.36	106	272721	40.925	ug/l	99
69) o-Xylene	10.70	106	129593	20.559	ug/l	99
70) Styrene	10.71	104	214493	21.015	ug/l	98
71) Bromoform	10.86	173	55053	18.869	ug/l #	100
73) Isopropylbenzene	11.02	105	367314	20.917	ug/l	98
74) N-amyl acetate	10.90	43	131407	19.435	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	120594	19.624	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	109455m	20.128	ug/l	
77) Bromobenzene	11.26	156	98009	19.896	ug/l	98
78) n-propylbenzene	11.36	91	421084	20.849	ug/l	100
79) 2-Chlorotoluene	11.42	91	253001	20.352	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	304917	20.967	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	31376	18.721	ug/l	97
82) 4-Chlorotoluene	11.51	91	295198	20.180	ug/l	99
83) tert-Butylbenzene	11.77	119	304192	20.790	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	315340	21.124	ug/l	99
85) sec-Butylbenzene	11.94	105	360816	20.771	ug/l	100
86) p-Isopropyltoluene	12.07	119	325676	20.920	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	182376	19.664	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	185878	19.008	ug/l	99
89) n-Butylbenzene	12.39	91	248846	19.658	ug/l	97
90) Hexachloroethane	12.60	117	41170	18.921	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	183648	21.665	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20356	18.806	ug/l	98

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Instrument :
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ClientSampleId :
VX0824WBSD01

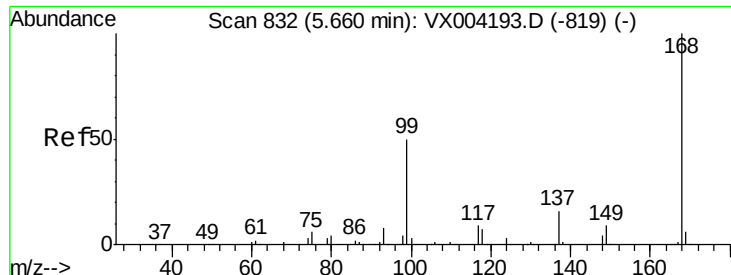
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QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	118080	19.146	ug/l	96
94) Hexachlorobutadiene	13.79	225	54724	18.987	ug/l	97
95) Naphthalene	13.83	128	358373	20.544	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126924	19.440	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion:168 Resp: 329640

Ion Ratio Lower Upper

168 100

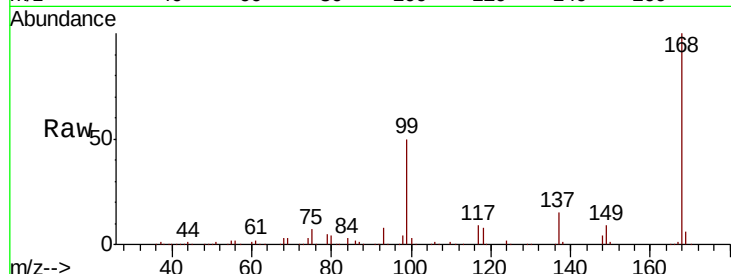
99 49.6 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

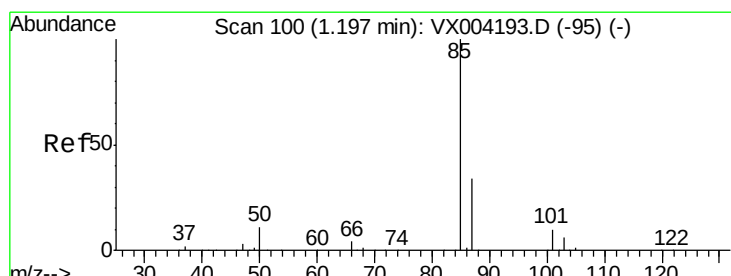
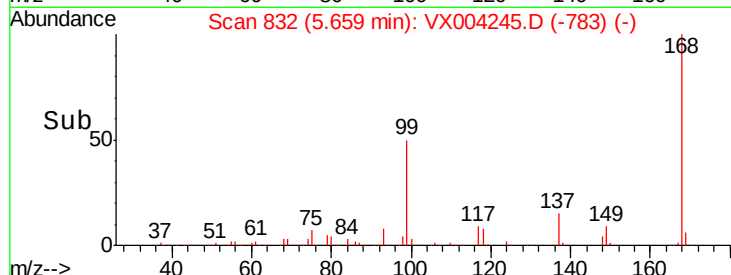
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.517 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004245.D

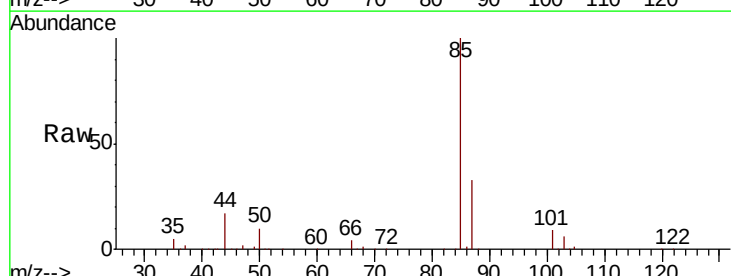
Acq: 24 Aug 2018 14:29

Tgt Ion: 85 Resp: 78338

Ion Ratio Lower Upper

85 100

87 33.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

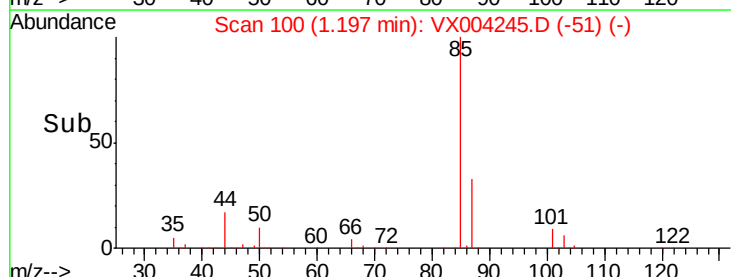
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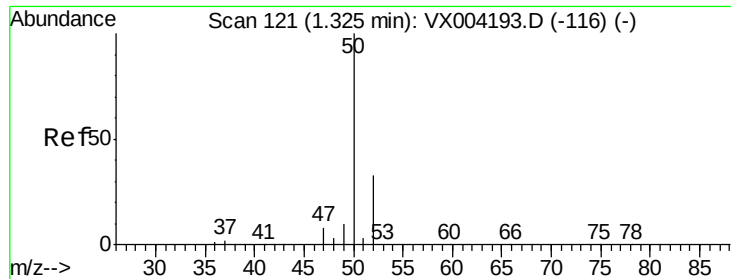
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.295 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 50 Resp: 80666

Ion Ratio Lower Upper

50 100

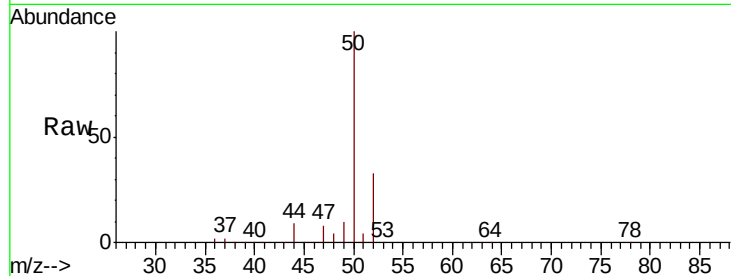
52 33.3 26.2 39.2

Manual Integrations

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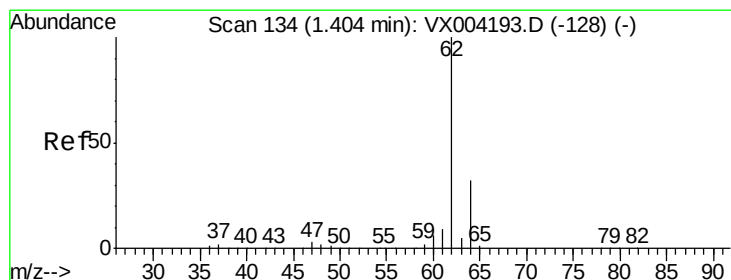
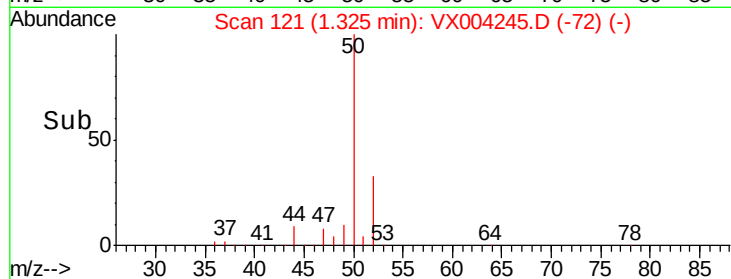
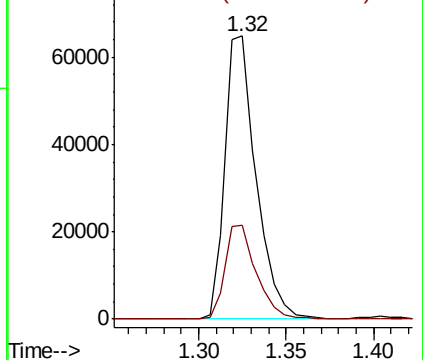
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.702 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004245.D

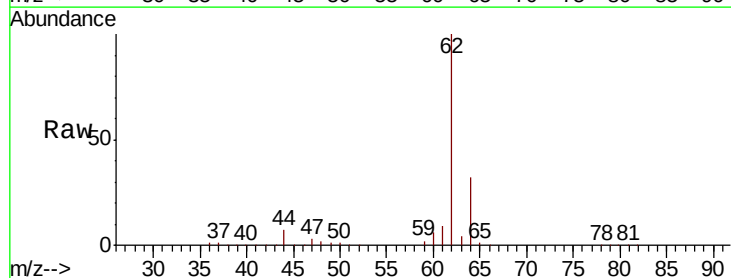
Acq: 24 Aug 2018 14:29

Tgt Ion: 62 Resp: 85095

Ion Ratio Lower Upper

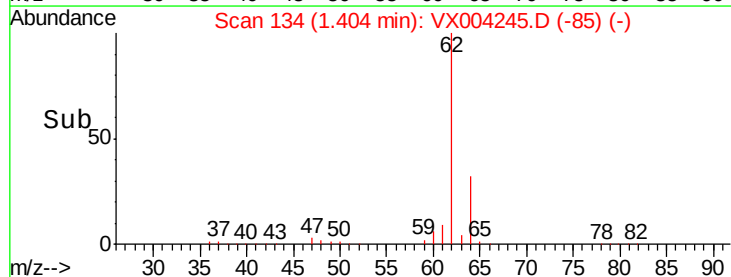
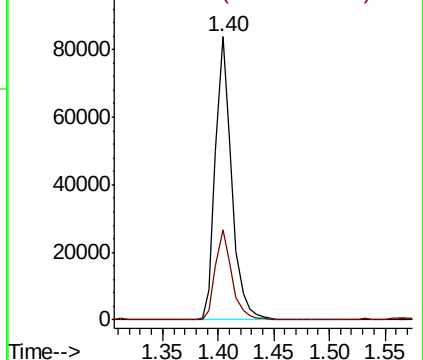
62 100

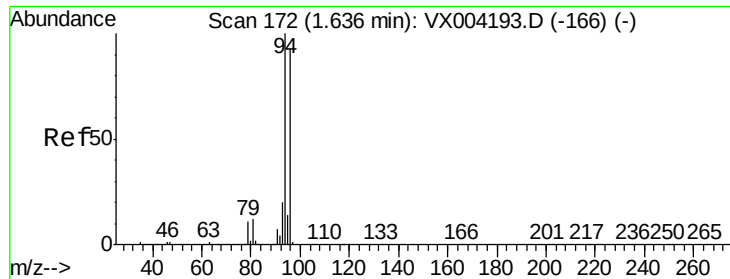
64 31.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.087 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 94 Resp: 45348

Ion Ratio Lower Upper

94 100

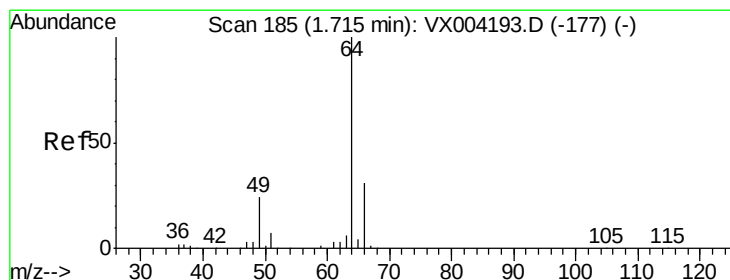
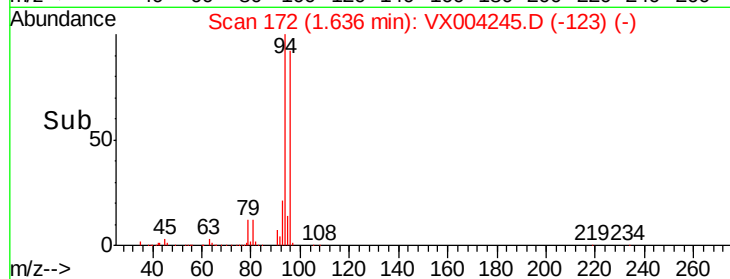
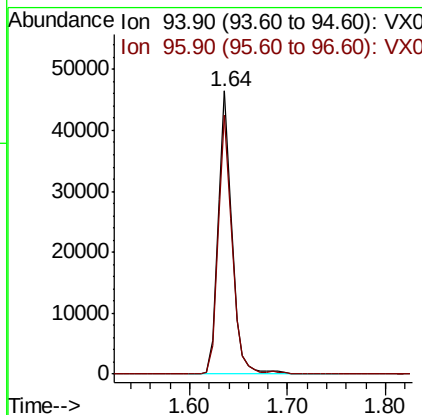
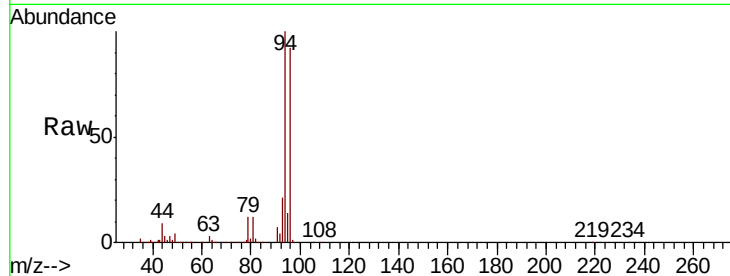
96 91.7 74.5 111.7

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#6

Chloroethane

Concen: 17.572 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004245.D

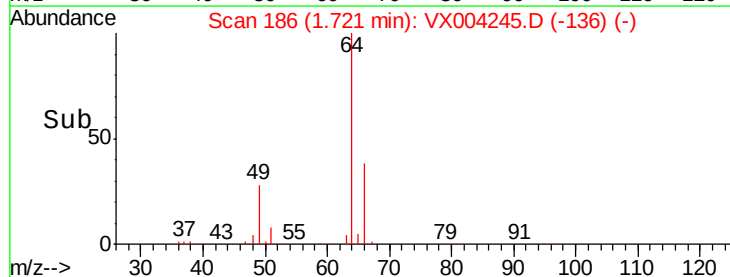
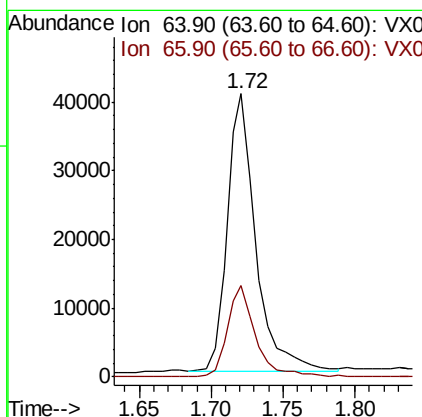
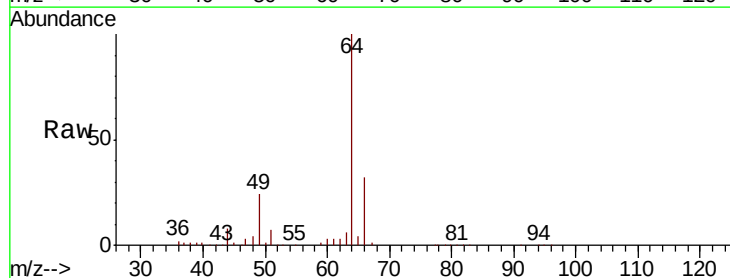
Acq: 24 Aug 2018 14:29

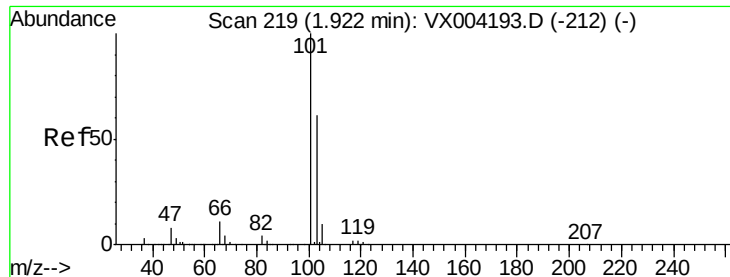
Tgt Ion: 64 Resp: 55964

Ion Ratio Lower Upper

64 100

66 32.6 24.6 36.8





#7

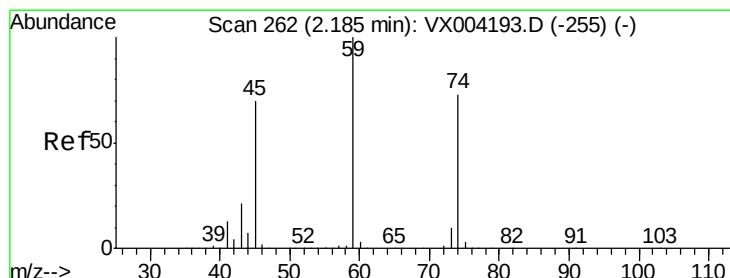
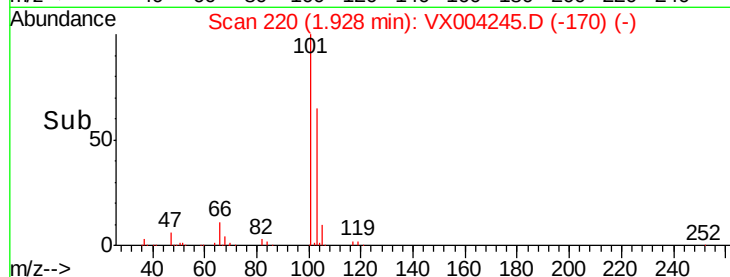
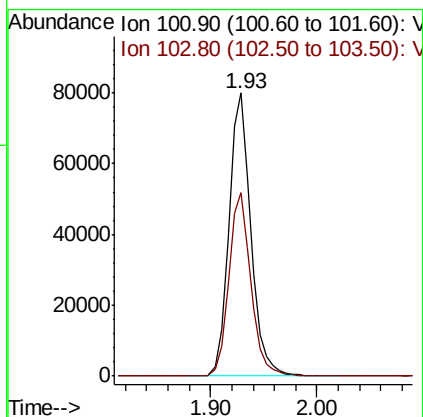
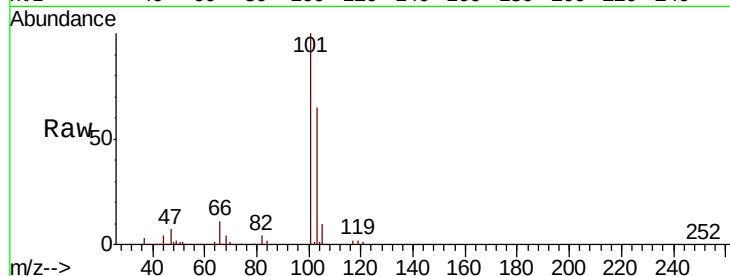
Trichlorofluoromethane
 Concen: 19.519 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	115528		
103	65.1	48.9	73.3	

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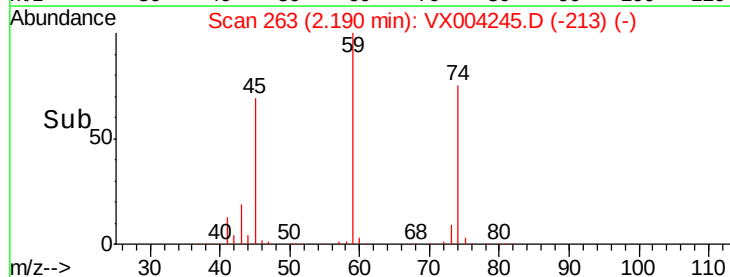
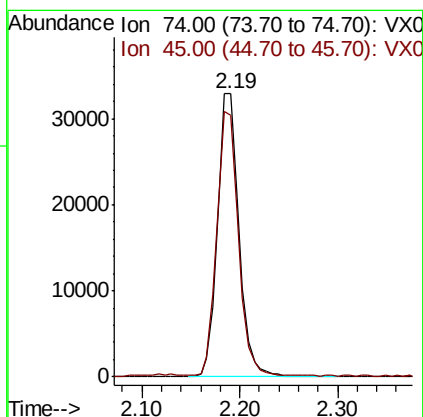
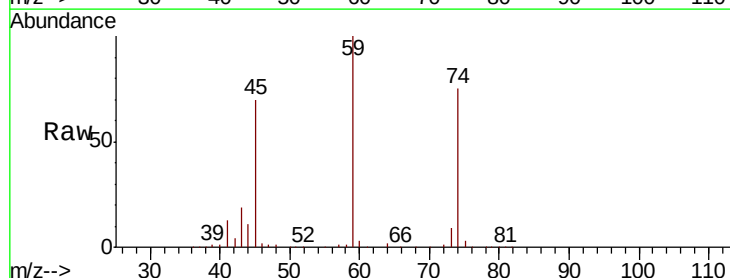
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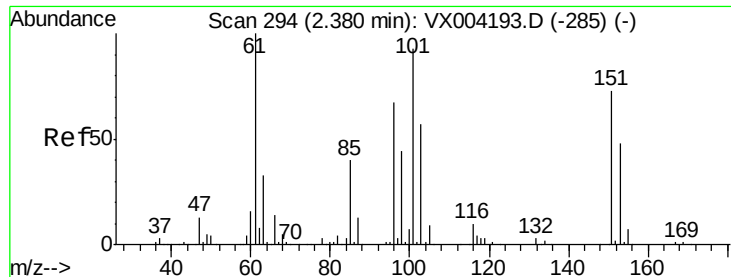


#8

Diethyl Ether
 Concen: 19.831 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	50262		
45	93.6	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.109 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

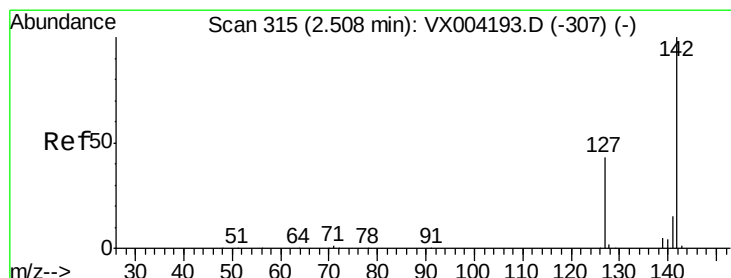
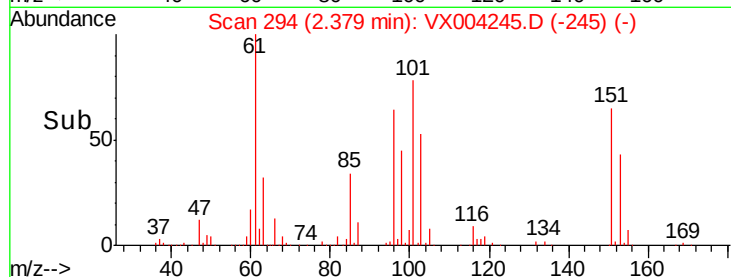
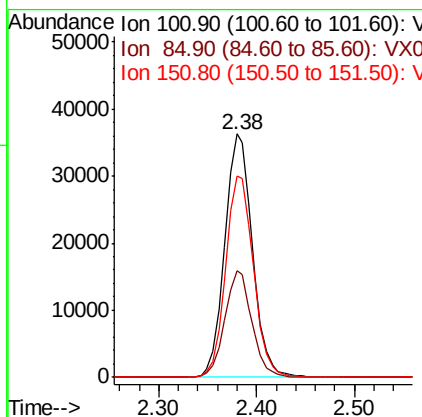
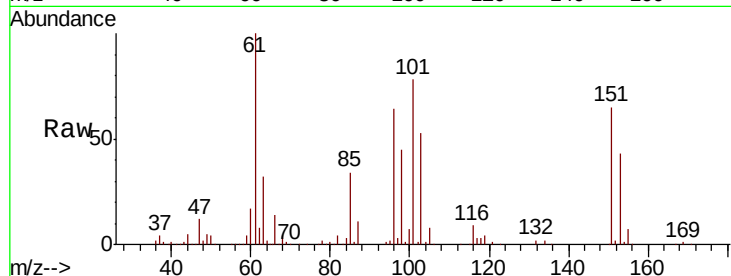
ClientSampleId :

VX0824WBSD01

Tgt Ion:	101	Resp:	70842
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	83.2	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.705 ug/l

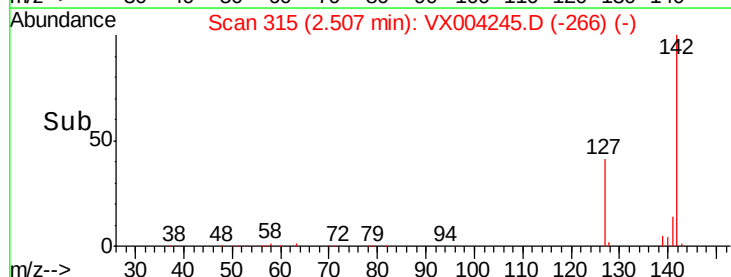
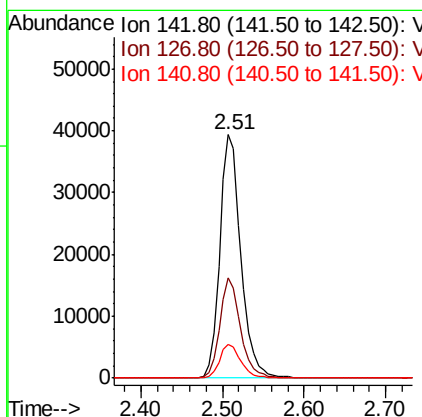
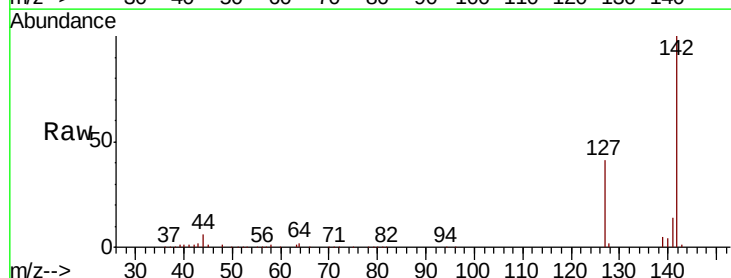
RT: 2.51 min Scan# 315

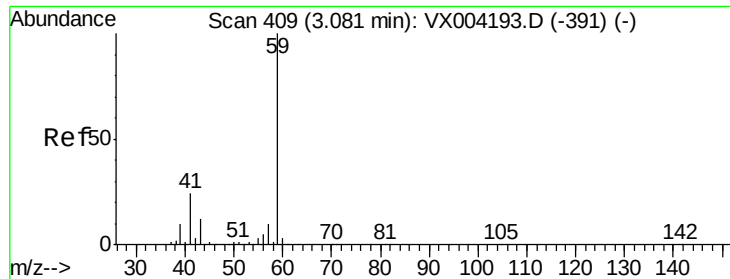
Delta R.T. 0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Tgt Ion:	142	Resp:	70612
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.8	50.6
141	14.0	11.4	17.0





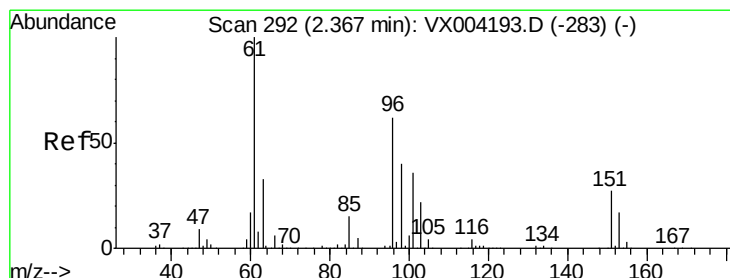
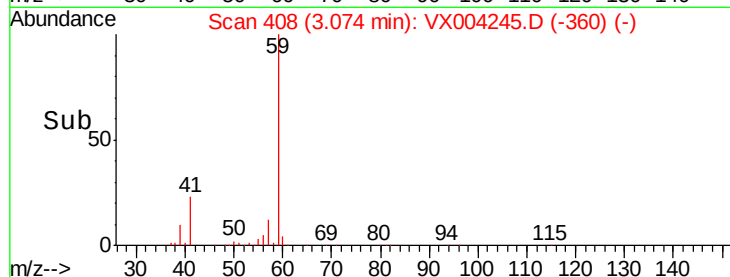
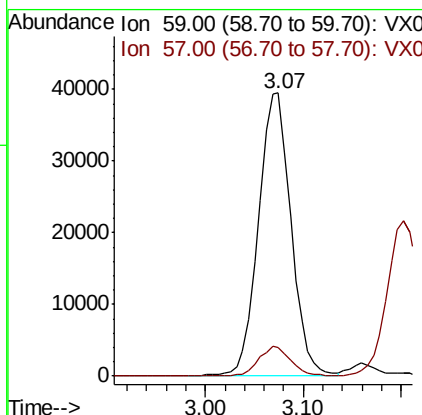
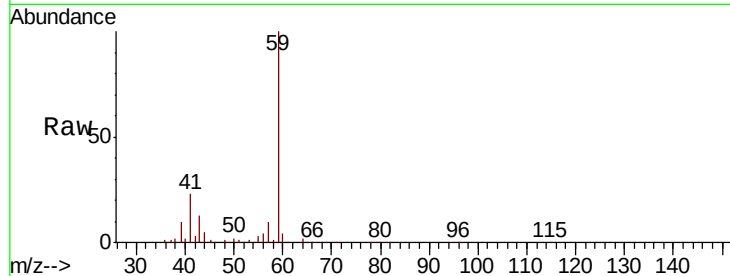
#11
Tert butyl alcohol
Concen: 99.955 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion: 59 Resp: 91543
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

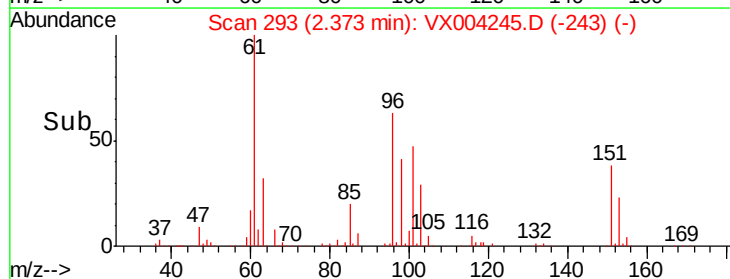
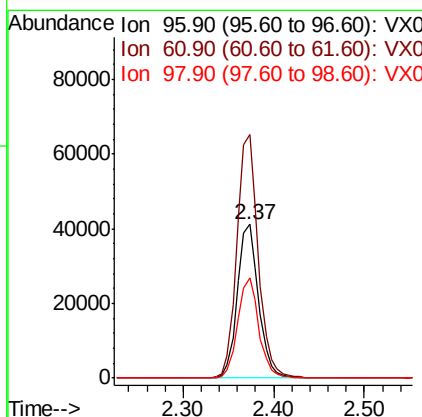
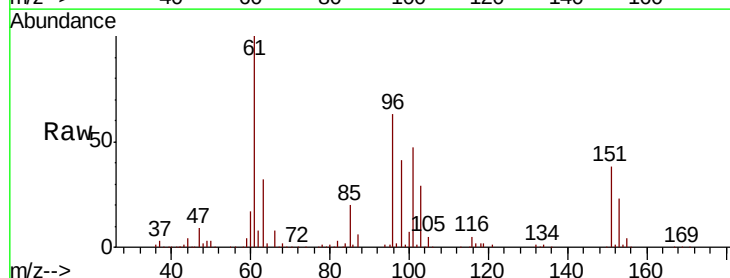
Manual Integrations
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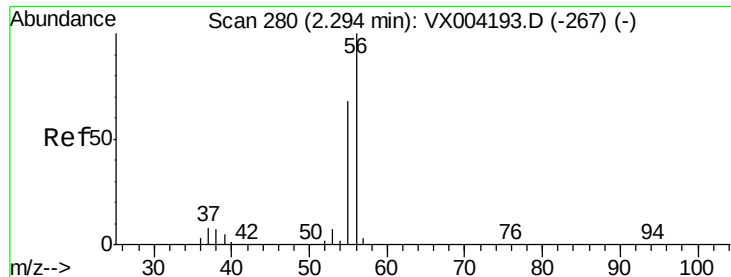
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.176 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion: 96 Resp: 66966
Ion Ratio Lower Upper
96 100
61 158.4 128.8 193.2
98 65.4 52.2 78.2





#13

Acrolein

Concen: 144.553 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 56 Resp: 31917

Ion Ratio Lower Upper

56 100

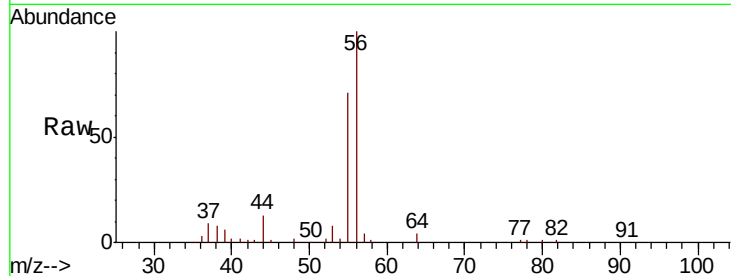
55 71.3 54.7 82.1

Manual Integrations

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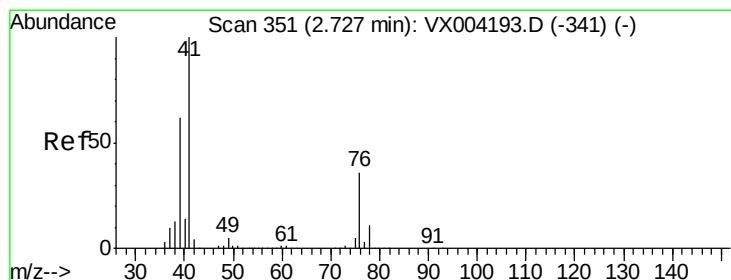
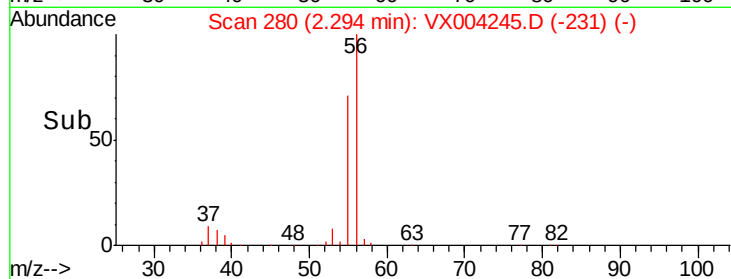
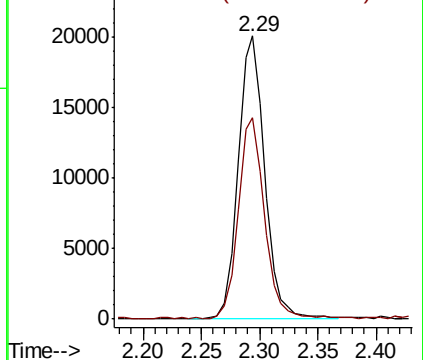
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.104 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

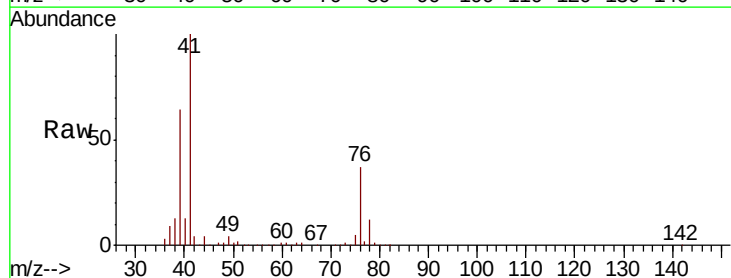
Tgt Ion: 41 Resp: 122569

Ion Ratio Lower Upper

41 100

39 61.4 48.9 73.3

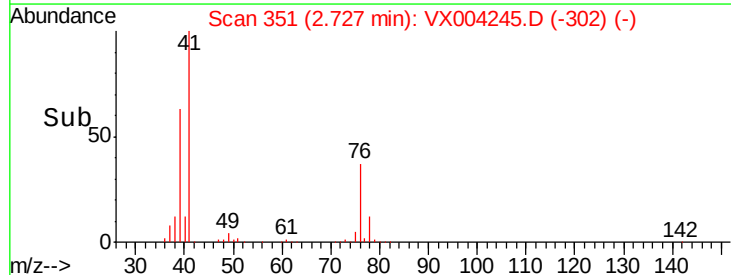
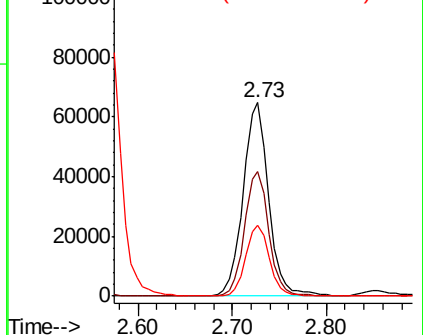
76 34.3 26.7 40.1

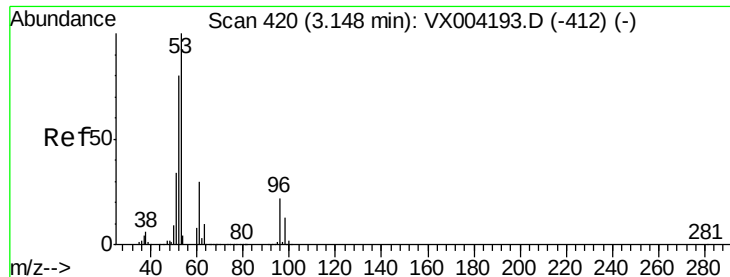


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 94.782 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

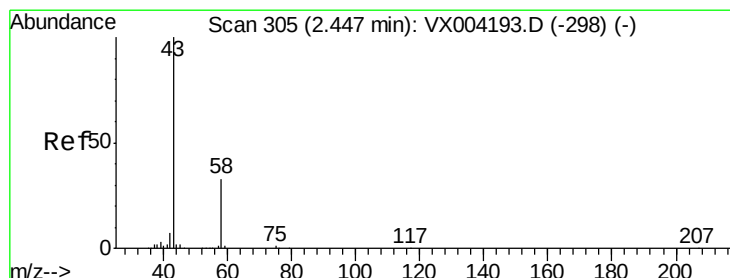
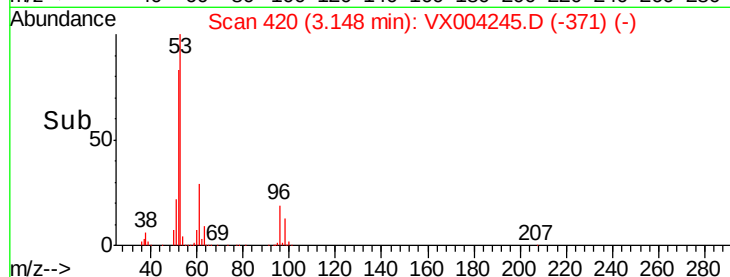
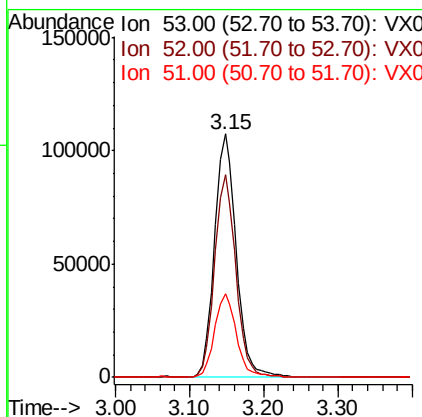
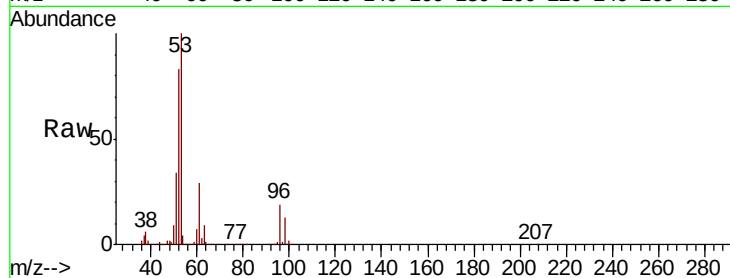
ClientSampleId :

VX0824WBSD01

Tgt Ion:	53	Resp:	214976
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.2	97.8
51	34.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 100.369 ug/l

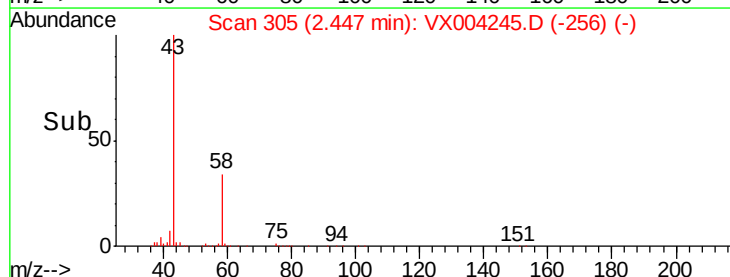
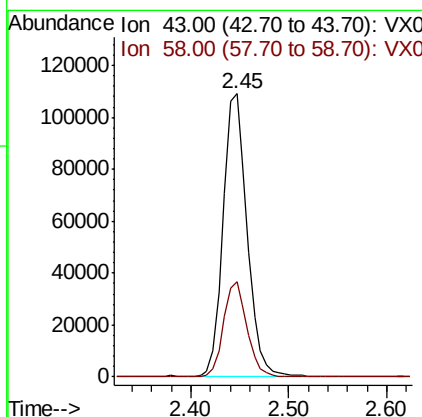
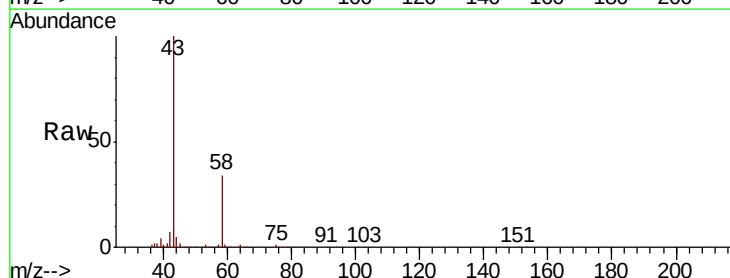
RT: 2.45 min Scan# 305

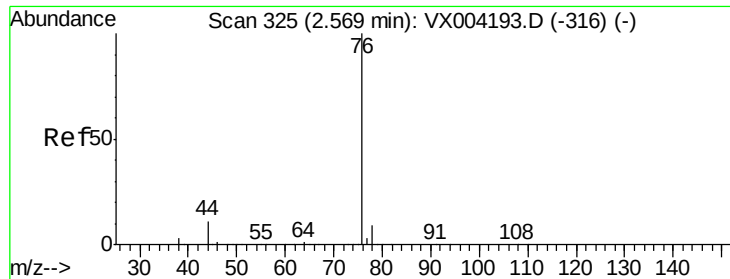
Delta R.T. 0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Tgt Ion:	43	Resp:	184510
Ion	Ratio	Lower	Upper
43	100		
58	33.8	26.2	39.4





#17

Carbon Disulfide

Concen: 19.007 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 76 Resp: 179466

Ion Ratio Lower Upper

76 100

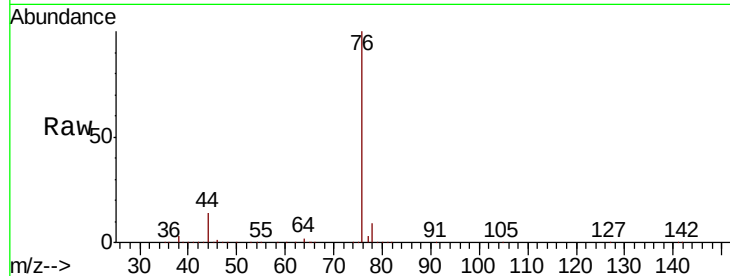
78 9.0 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

120000

100000

80000

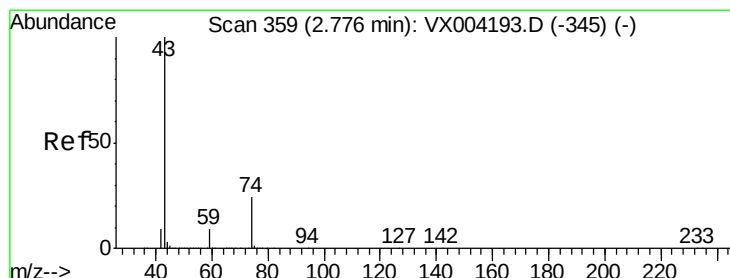
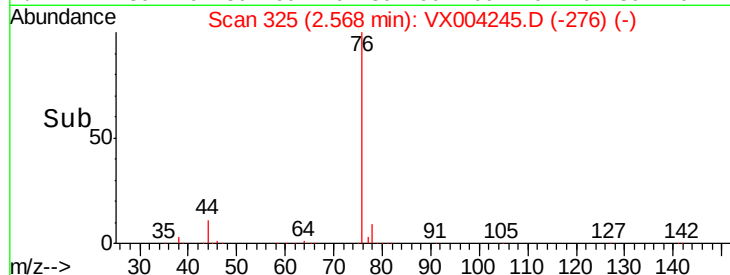
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.858 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004245.D

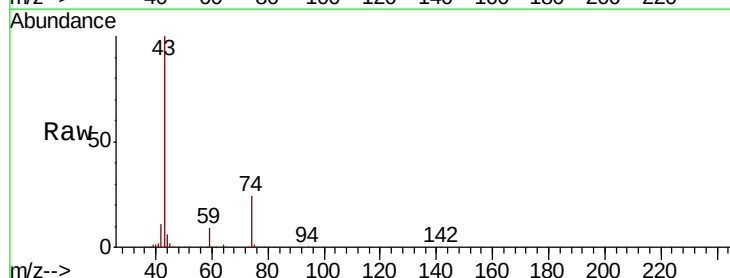
Acq: 24 Aug 2018 14:29

Tgt Ion: 43 Resp: 132988

Ion Ratio Lower Upper

43 100

74 24.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

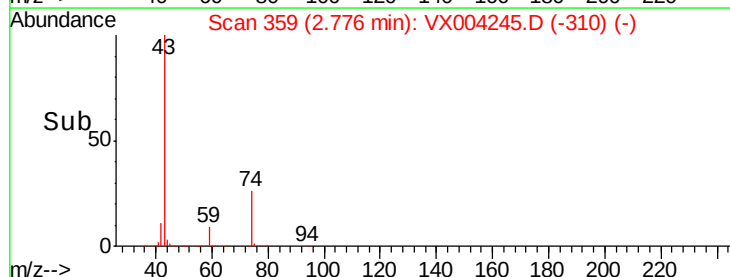
60000

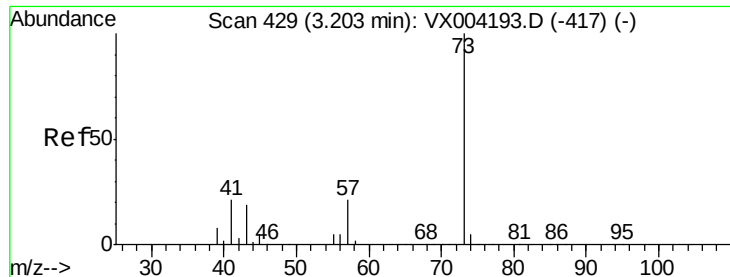
40000

20000

0

Time-->





#19

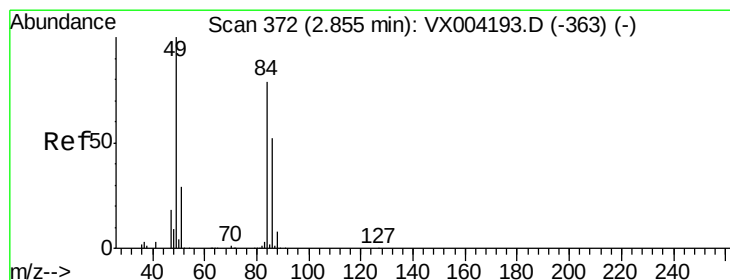
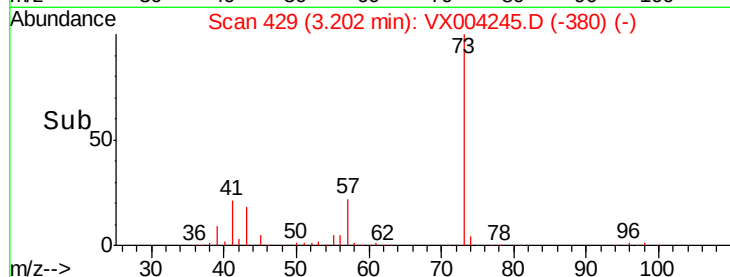
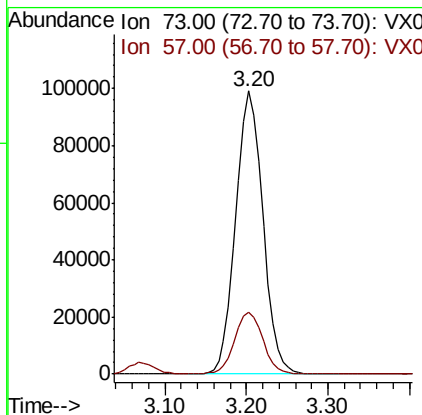
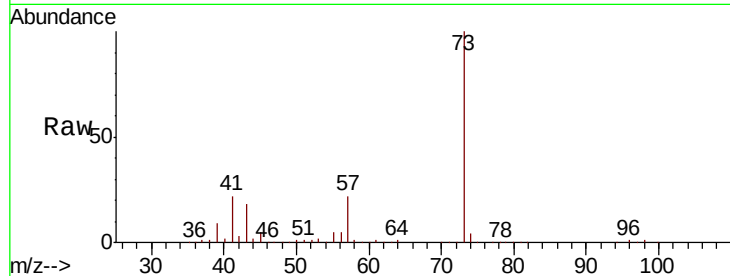
Methyl tert-butyl Ether
 Concen: 19.920 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion: 73 Resp: 229247
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.1 25.7

Manual Integrations
 APPROVED

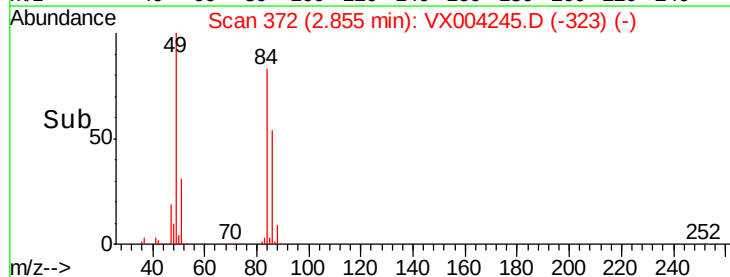
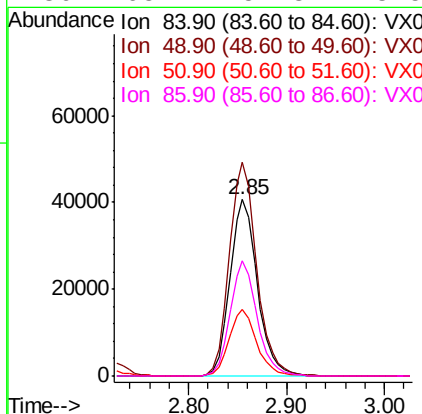
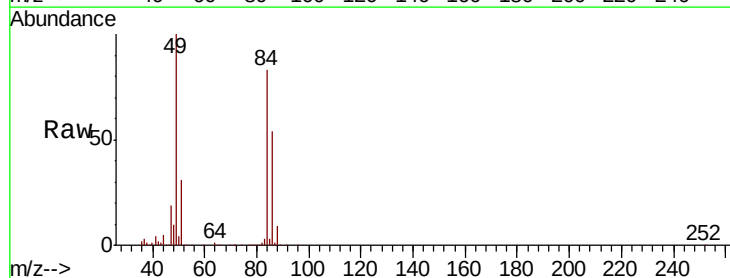
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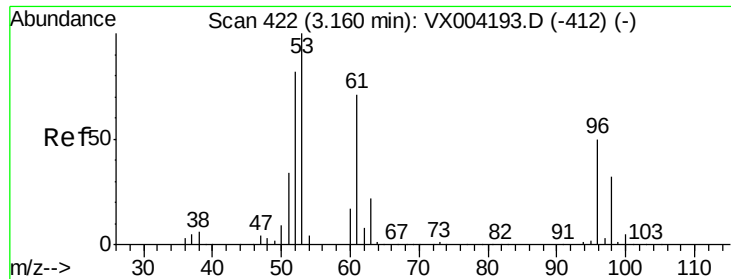


#20

Methylene Chloride
 Concen: 19.081 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion: 84 Resp: 78917
 Ion Ratio Lower Upper
 84 100
 49 121.1 101.2 151.8
 51 37.6 29.5 44.3
 86 65.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.923 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

VX0824WBSD01

Tgt Ion: 96 Resp: 73143

Ion Ratio Lower Upper

96 100

61 135.2 113.8 170.6

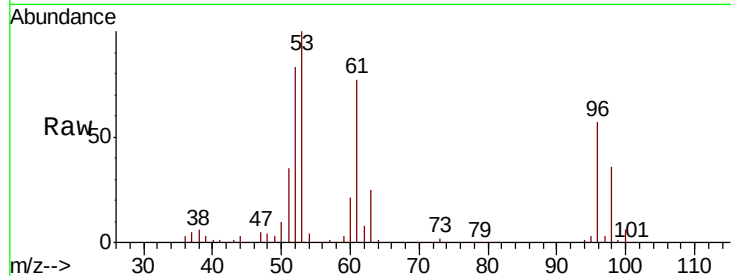
98 64.2 51.8 77.8

Manual Integrations

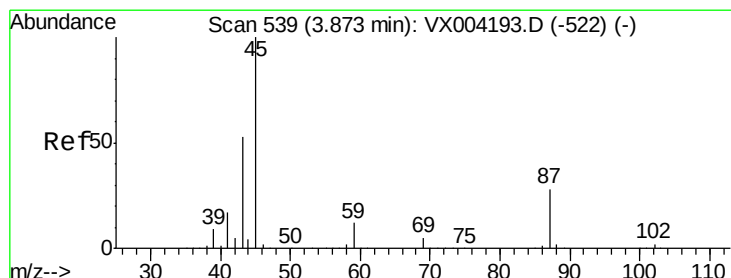
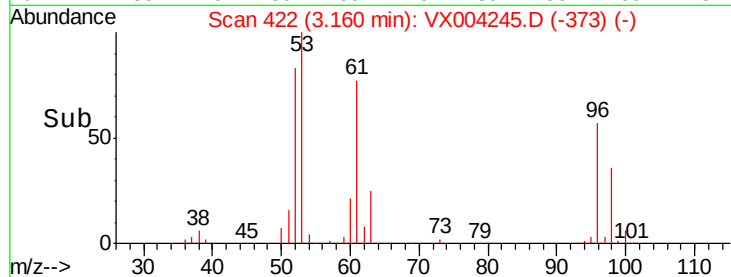
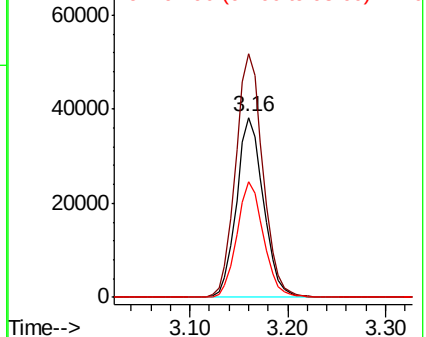
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.322 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Tgt Ion: 45 Resp: 231462

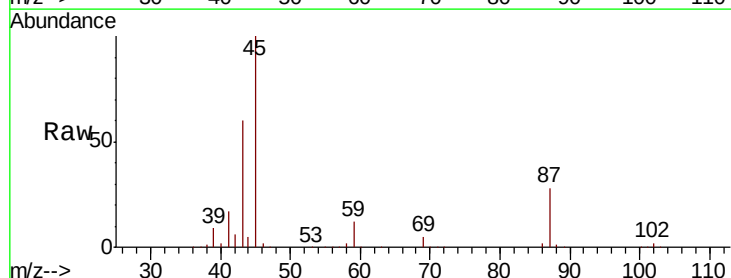
Ion Ratio Lower Upper

45 100

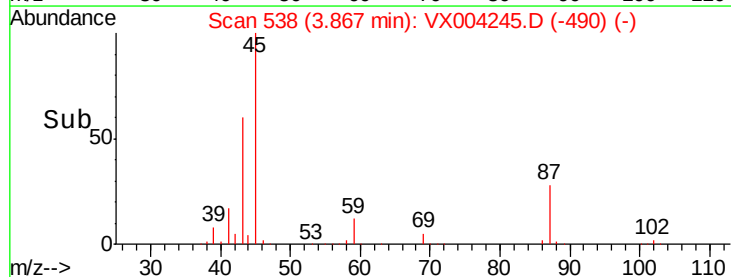
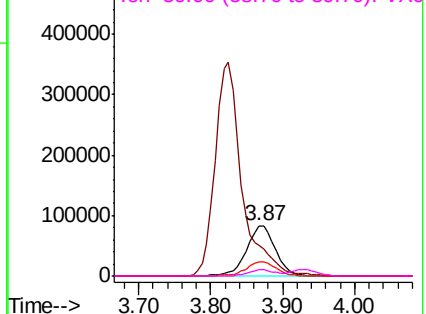
43 59.6 42.8 64.2

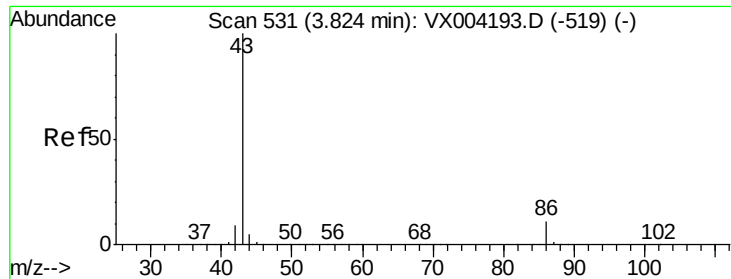
87 27.9 22.6 34.0

59 11.9 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





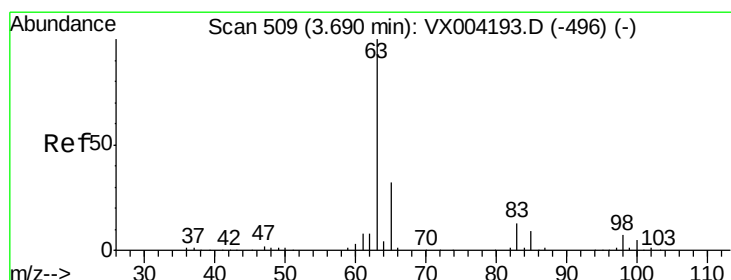
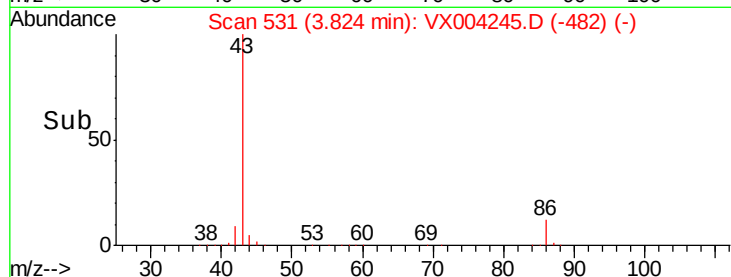
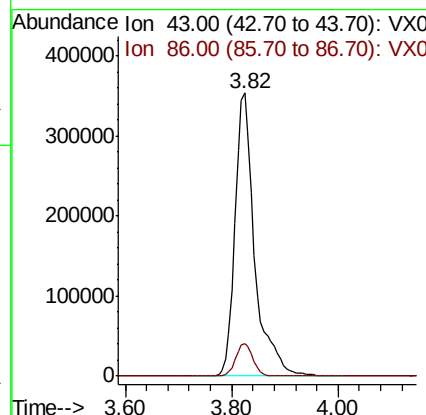
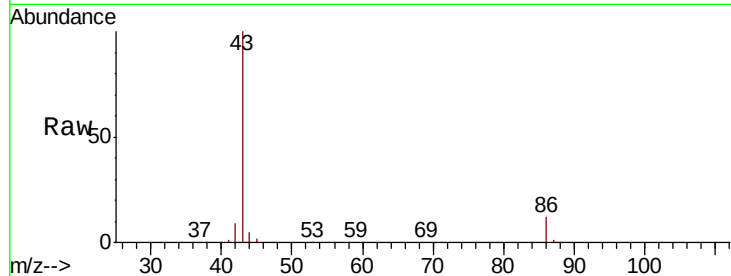
#23
 Vinyl Acetate
 Concen: 94.478 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.9	13.3

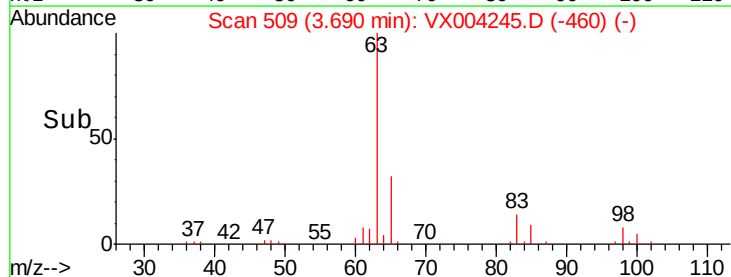
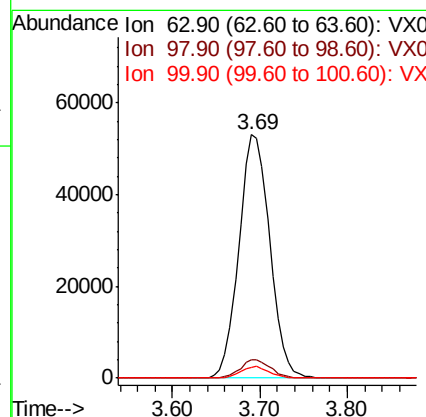
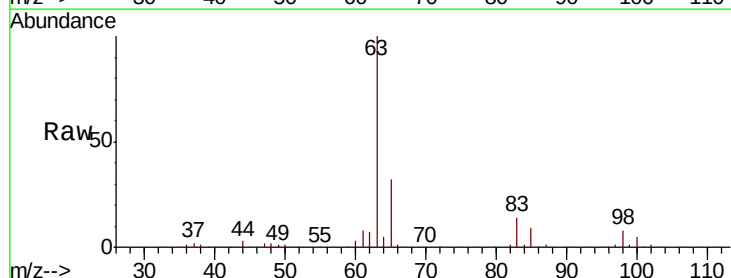
Manual Integrations
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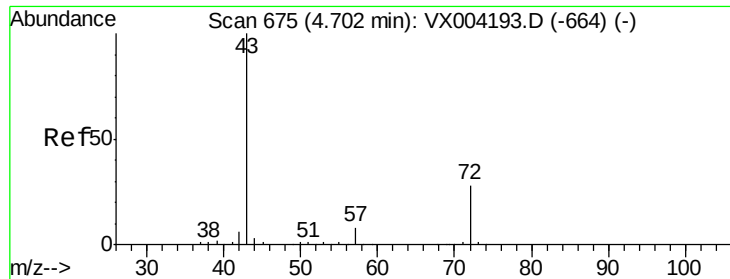
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.650 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.5	10.4
100	4.6	2.4	7.1





#25

2-Butanone

Concen: 95.511 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 43 Resp: 280030

Ion Ratio Lower Upper

43 100

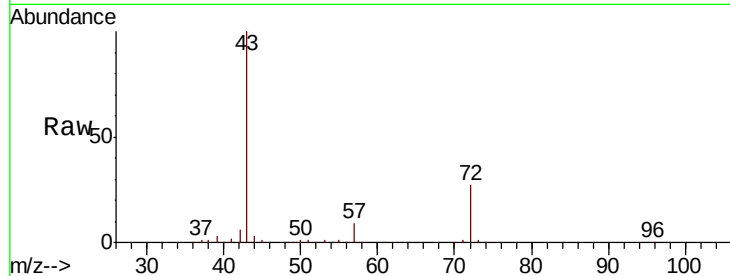
72 27.2 22.0 33.0

Manual Integrations

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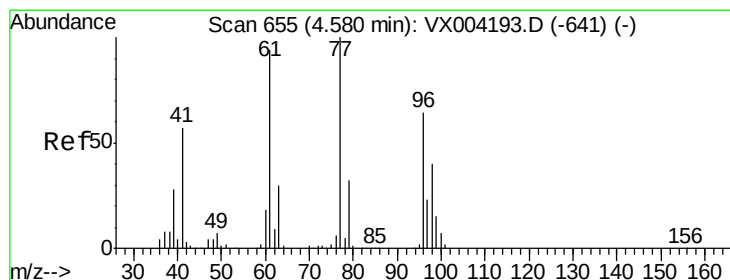
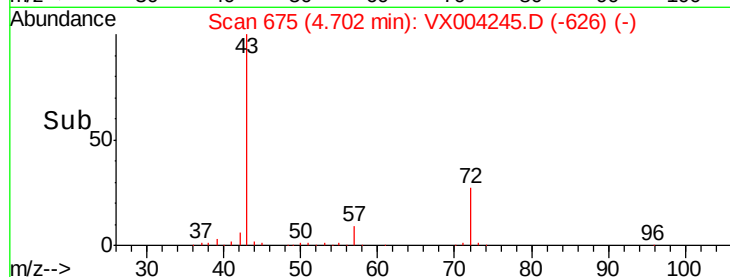
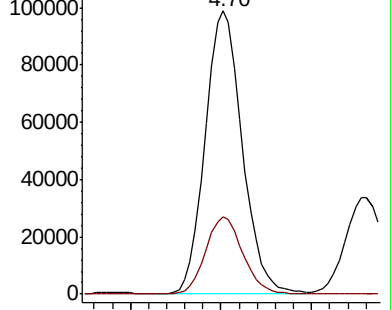
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.739 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004245.D

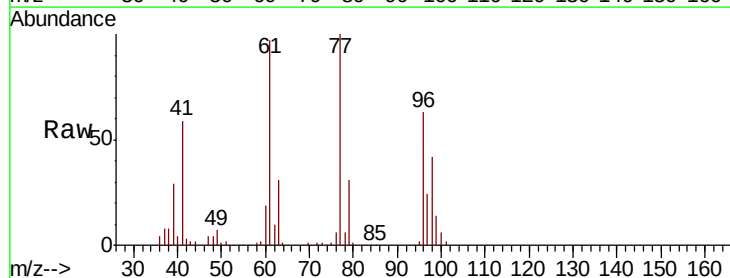
Acq: 24 Aug 2018 14:29

Tgt Ion: 77 Resp: 102609

Ion Ratio Lower Upper

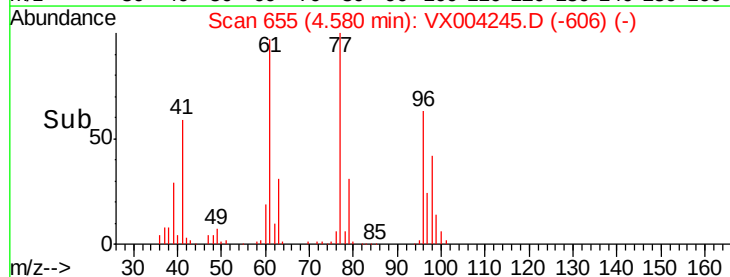
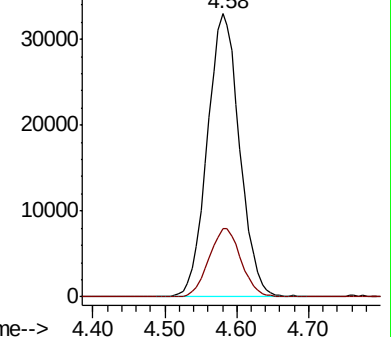
77 100

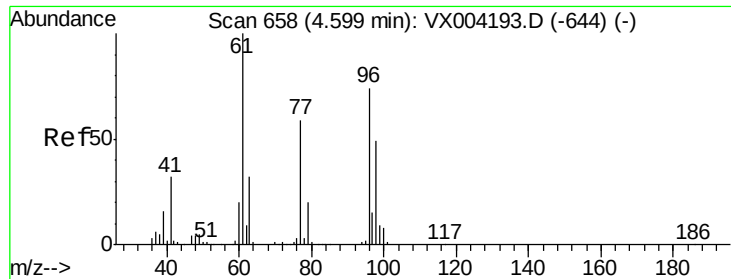
97 24.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

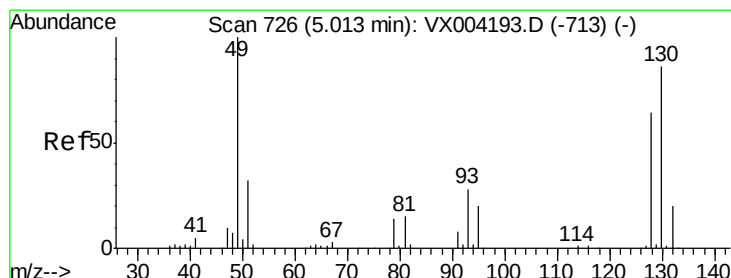
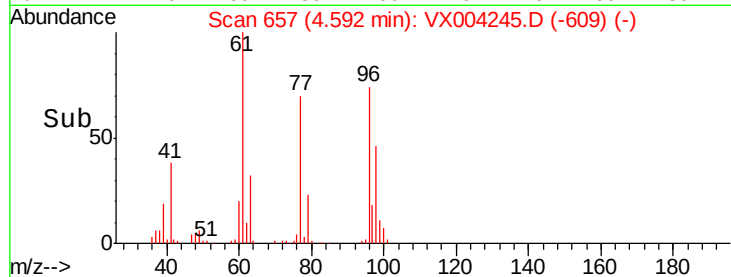
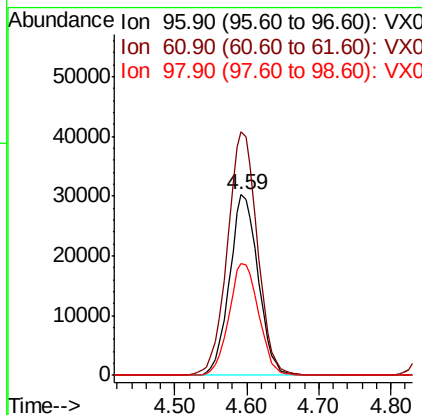
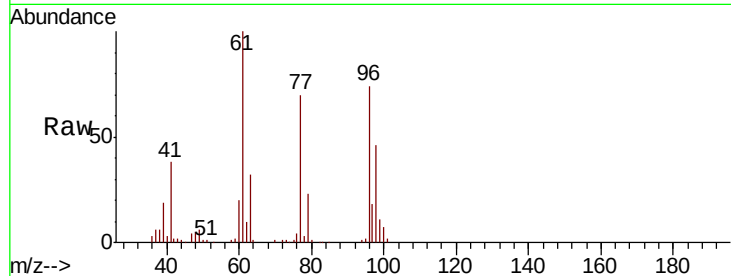
cis-1,2-Dichloroethene
Concen: 19.067 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	83589		
61	140.6	0.0	282.6	
98	64.3	0.0	130.2	

Manual Integrations
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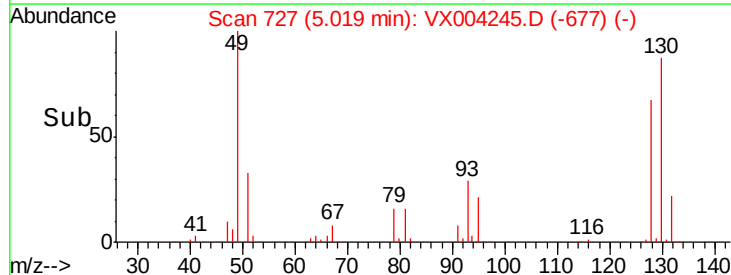
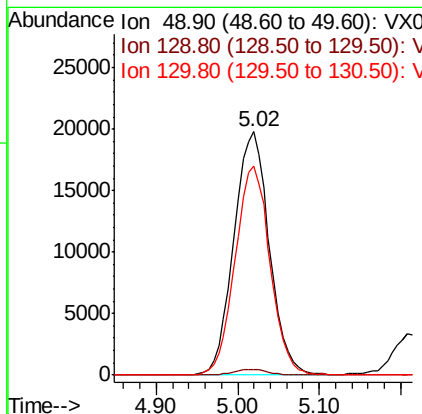
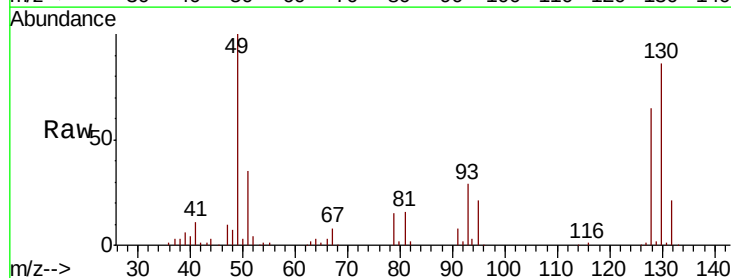
MMDadoda
8/25/2018 11:42:52 AM

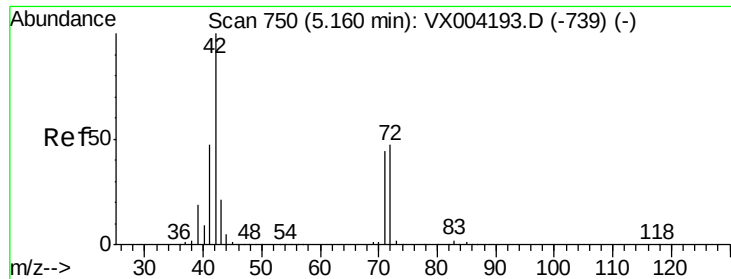


#28

Bromochloromethane
Concen: 19.283 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	59601		
129	2.2	0.0	4.2	
130	84.5	67.5	101.3	





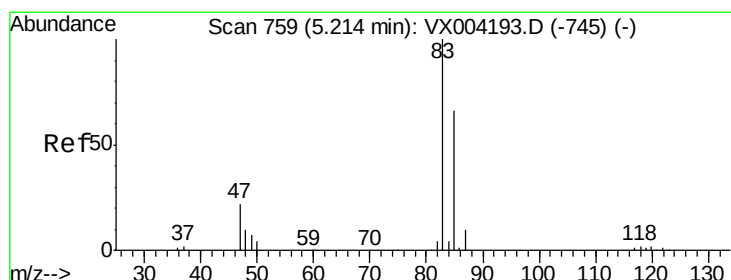
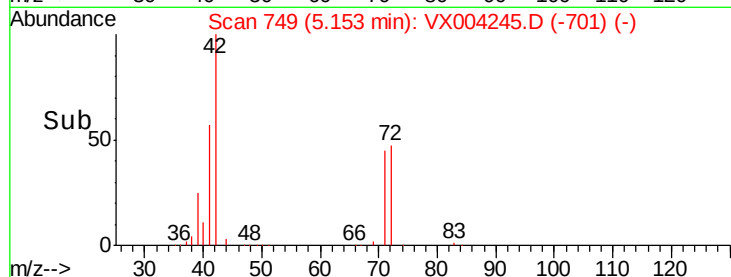
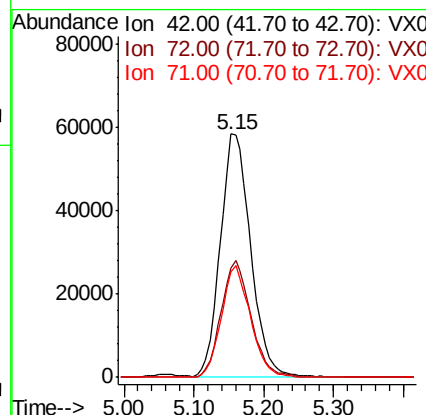
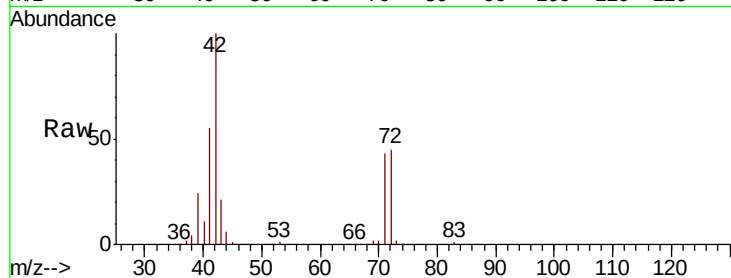
#29
Tetrahydrofuran
Concen: 94.541 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.4	56.0
71	44.6	34.5	51.7

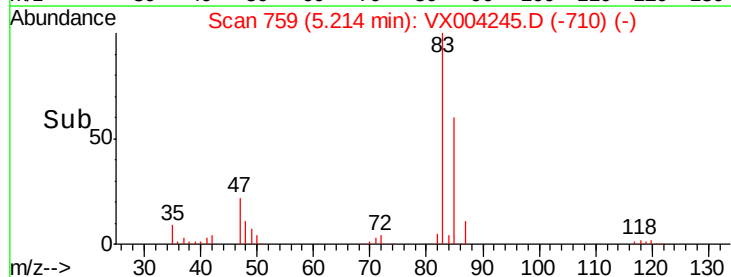
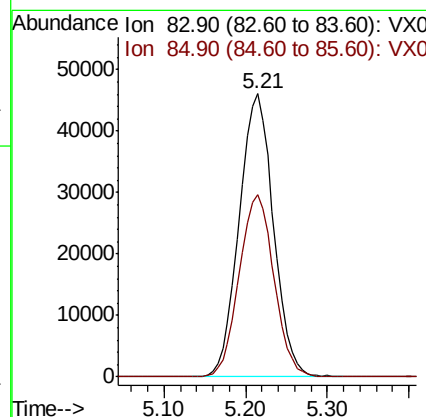
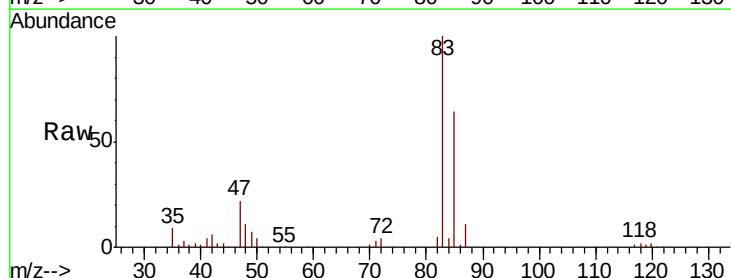
Manual Integrations
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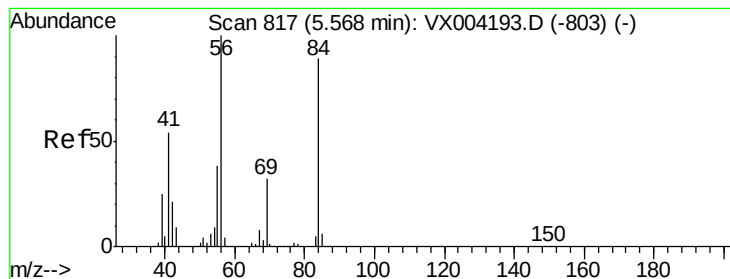
MMDadoda
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#30
Chloroform
Concen: 19.186 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0





#31

Cyclohexane

Concen: 19.208 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

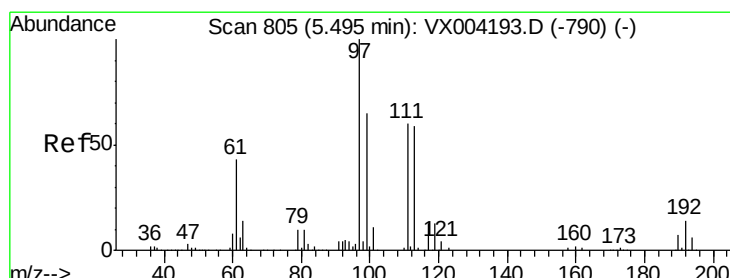
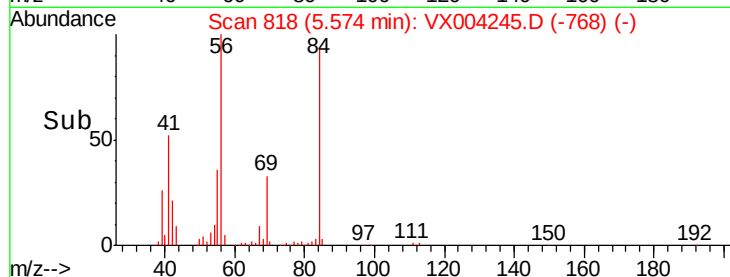
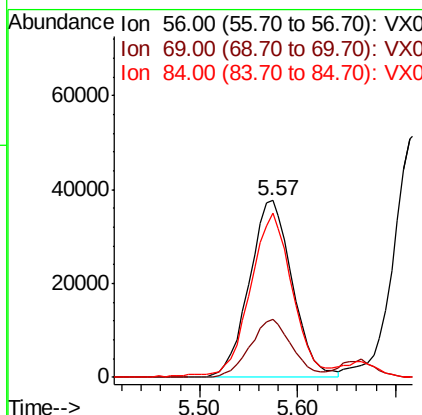
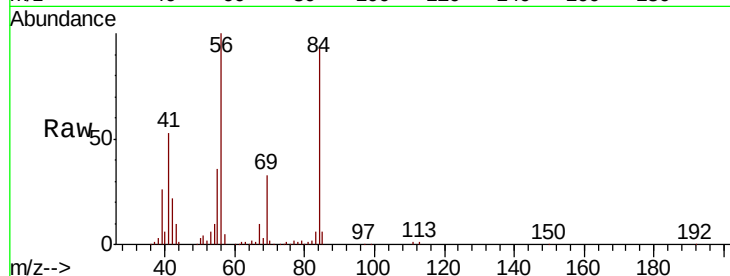
ClientSampleId :

VX0824WBSD01

Tgt Ion:	56	Resp:	115702
Ion Ratio	Lower	Upper	
56	100		
69	33.2	25.4	38.2
84	91.4	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.169 ug/l

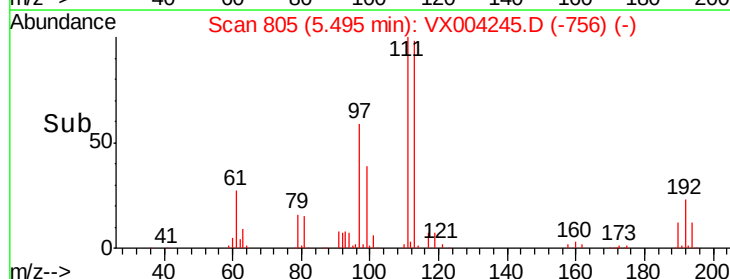
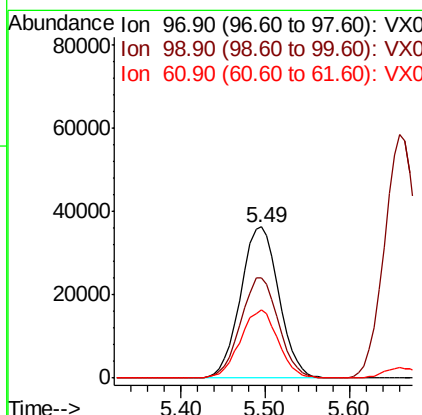
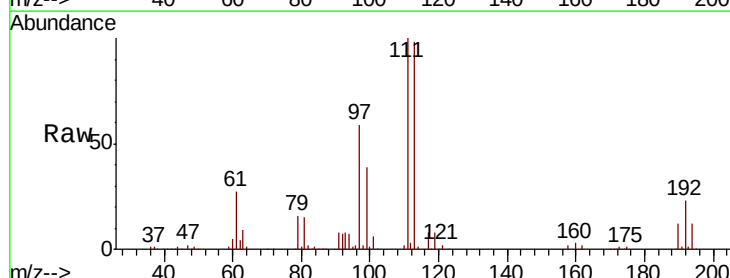
RT: 5.49 min Scan# 805

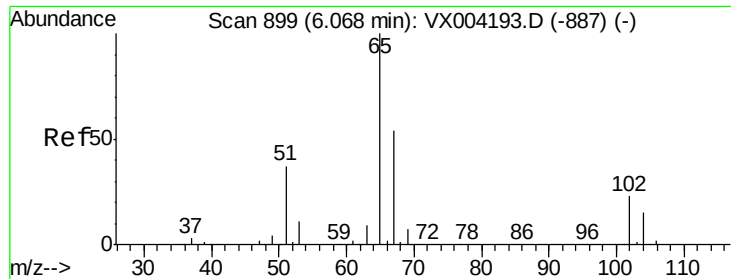
Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Tgt Ion:	97	Resp:	111888
Ion Ratio	Lower	Upper	
97	100		
99	65.4	52.0	78.0
61	44.7	34.9	52.3





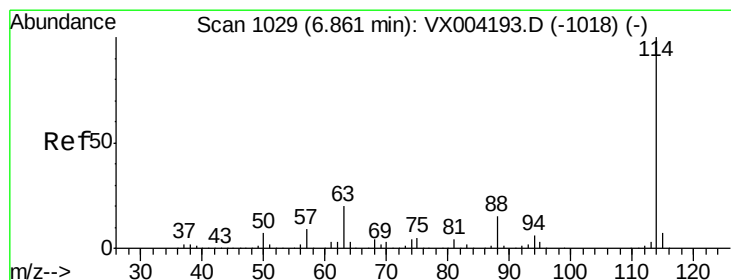
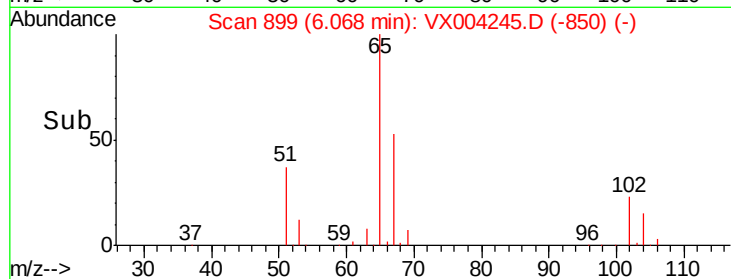
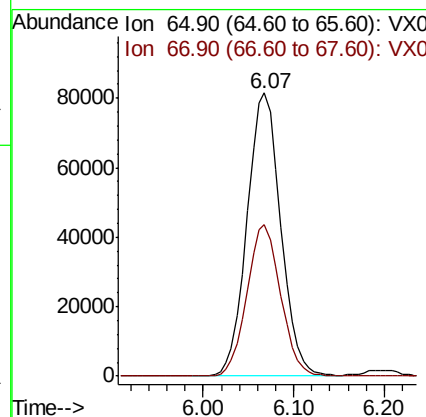
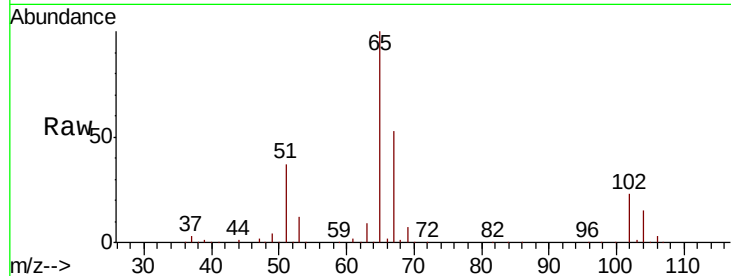
#33
 1,2-Dichloroethane-d4
 Concen: 48.789 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion: 65 Resp: 209617
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8

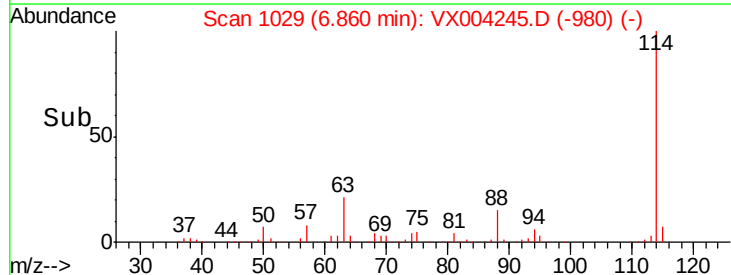
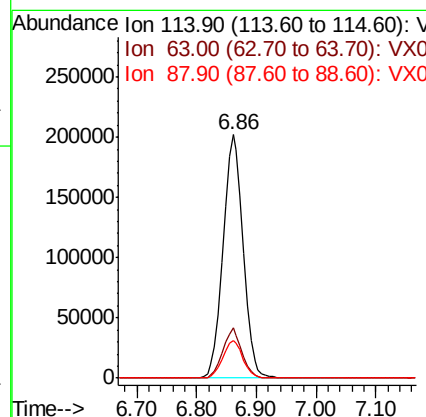
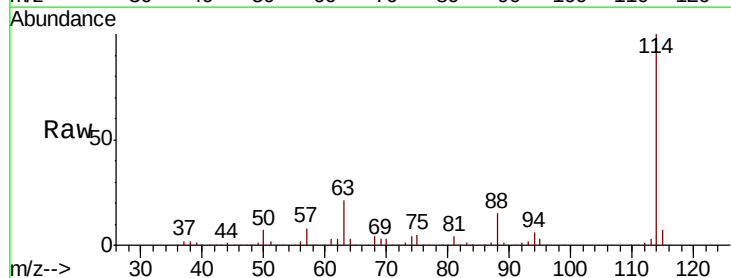
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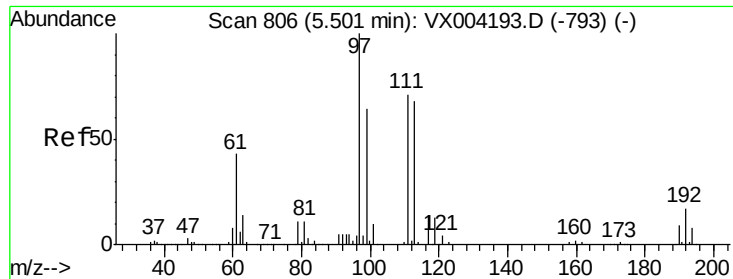
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion: 114 Resp: 472529
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.0
 88 15.5 0.0 30.4





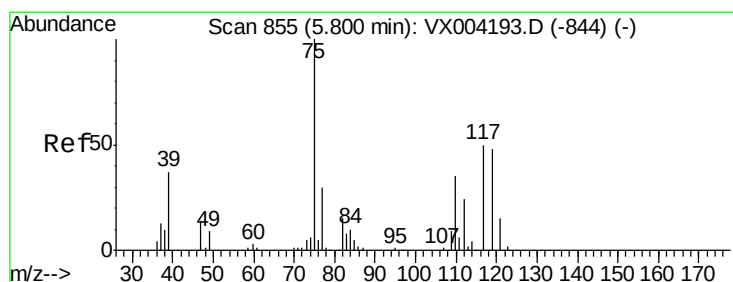
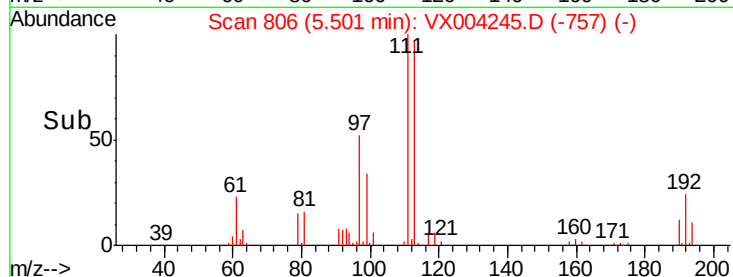
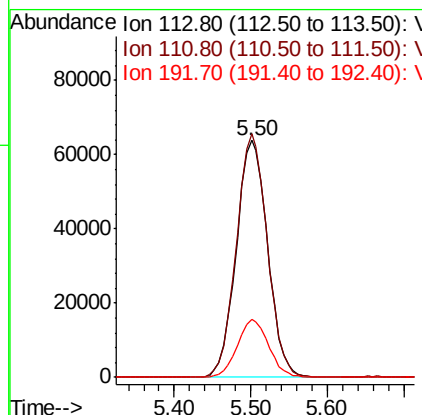
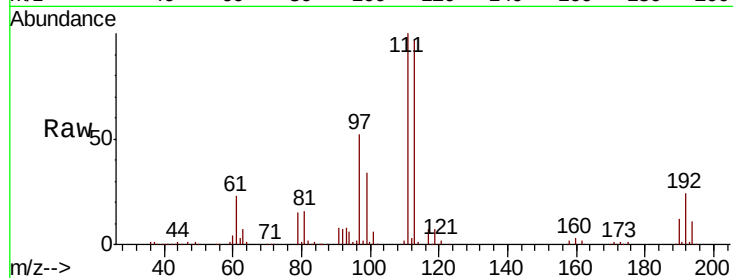
#35
 Dibromofluoromethane
 Concen: 51.599 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	181385		
111	101.2	82.4	123.6	
192	24.3	19.4	29.2	

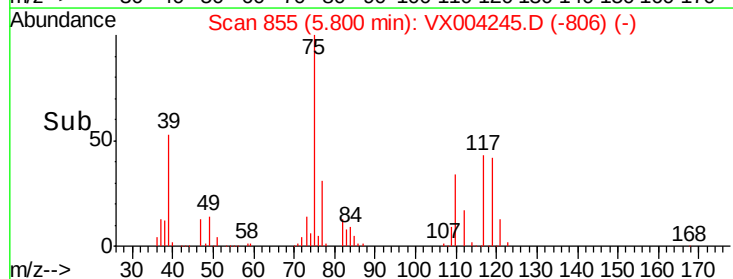
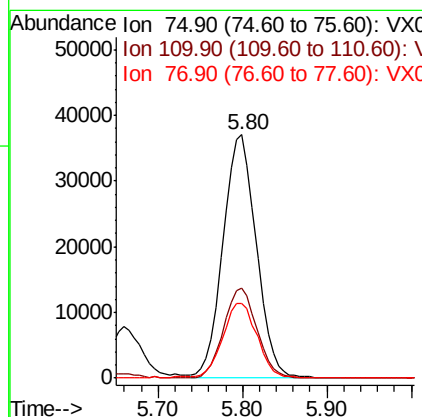
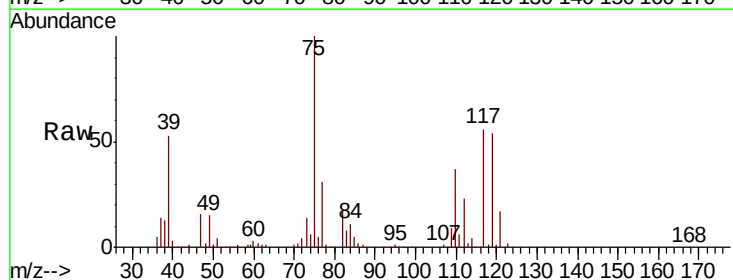
Manual Integrations
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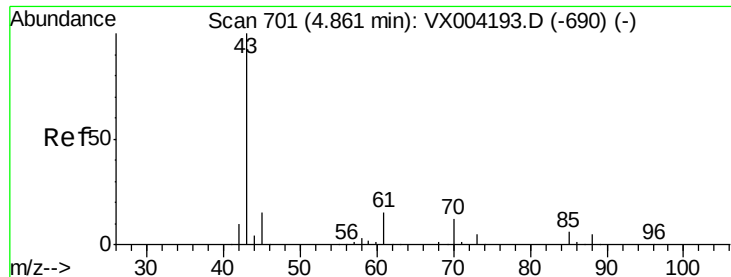
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#36
 1,1-Dichloropropene
 Concen: 18.760 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99660		
110	37.0	18.0	54.0	
77	32.2	24.6	36.8	





#37

Ethyl Acetate

Concen: 19.204 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

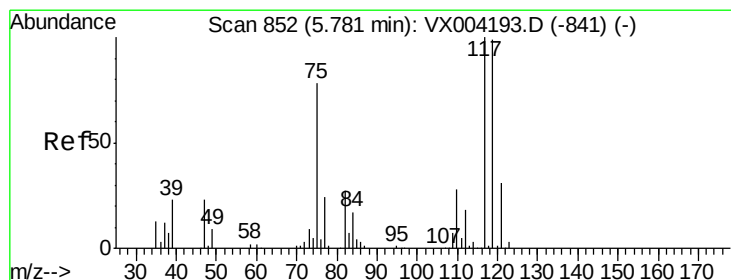
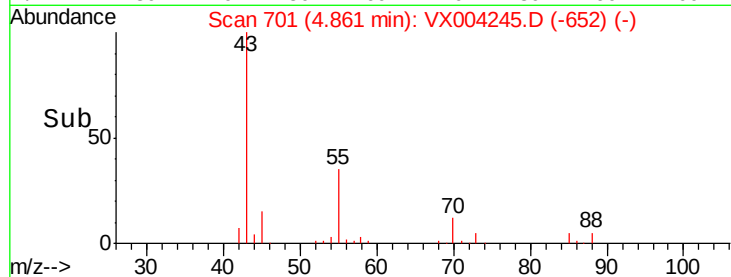
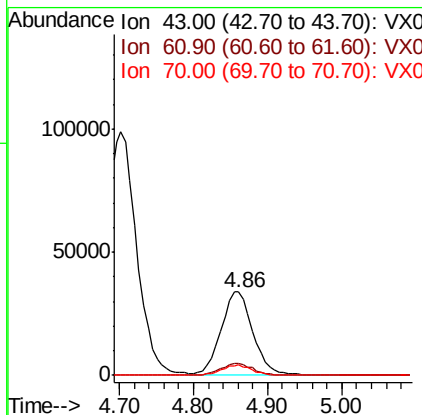
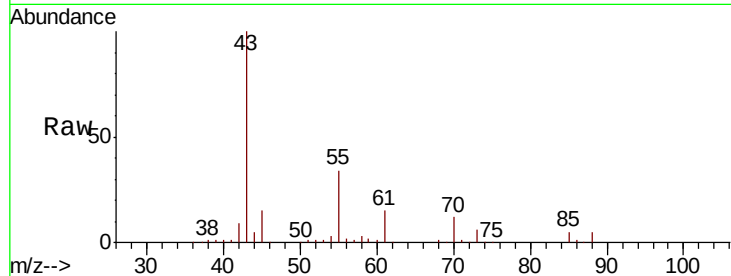
ClientSampleId :

VX0824WBSD01

Tgt Ion:	43	Resp:	100332
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.6	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.328 ug/l

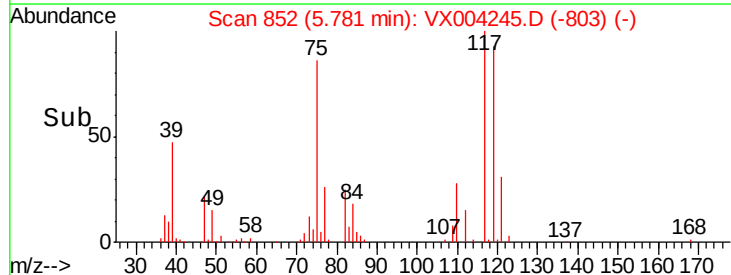
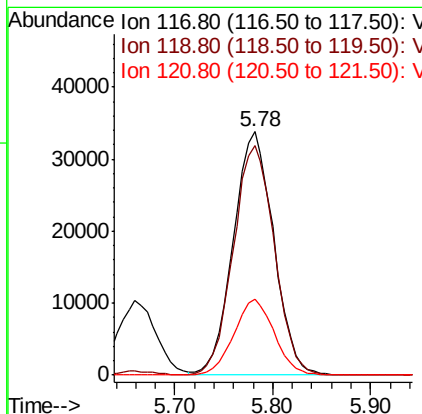
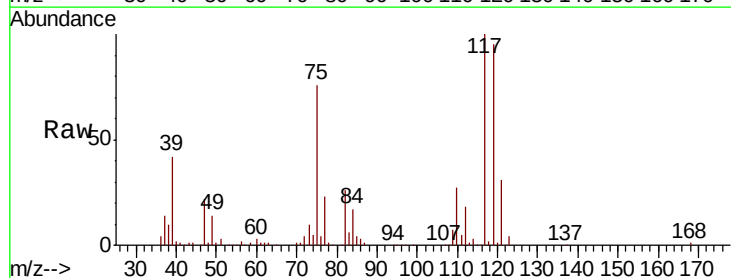
RT: 5.78 min Scan# 852

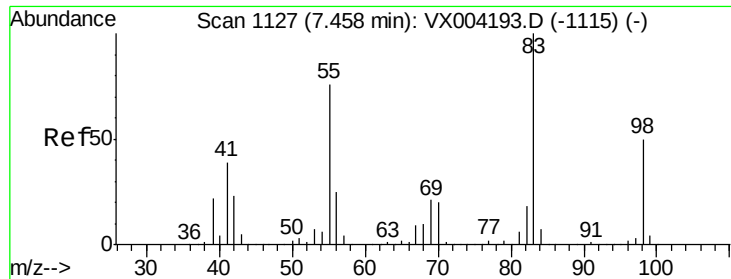
Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Tgt Ion:	117	Resp:	96587
Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.8	118.2
121	31.2	24.9	37.3





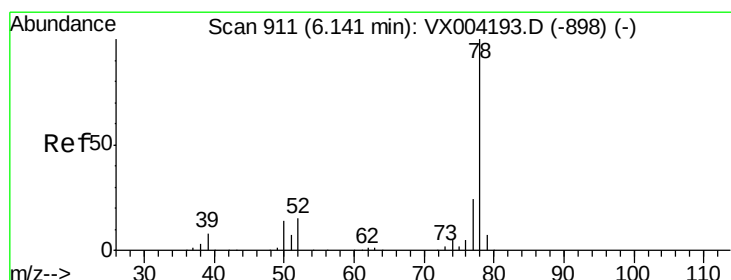
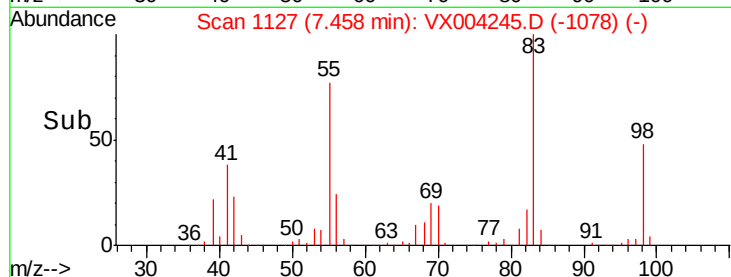
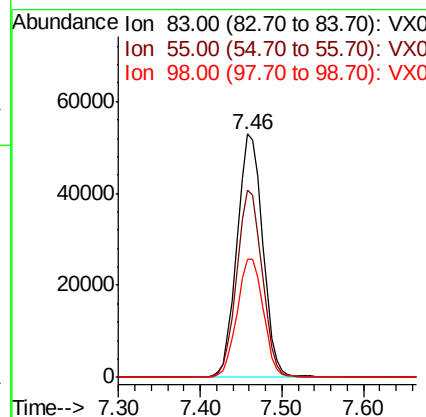
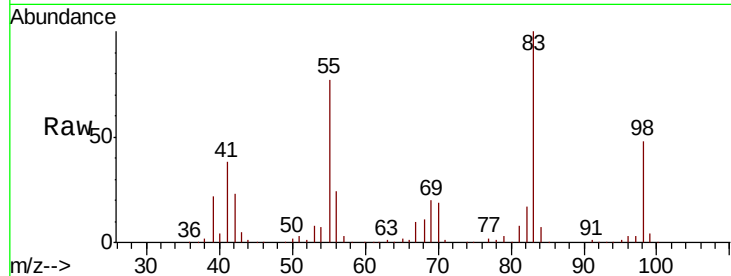
#39
Methylcyclohexane
Concen: 18.950 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	114933		
55	76.7	61.0	91.4	
98	48.5	39.6	59.4	

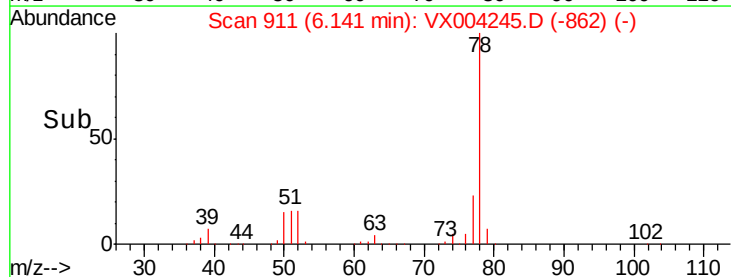
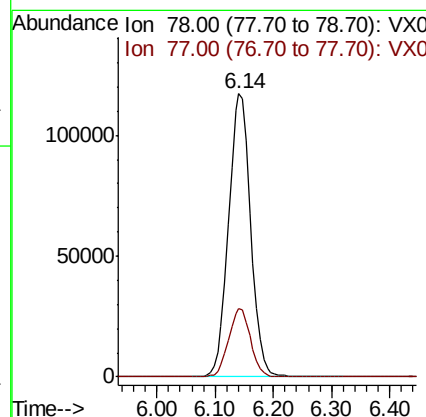
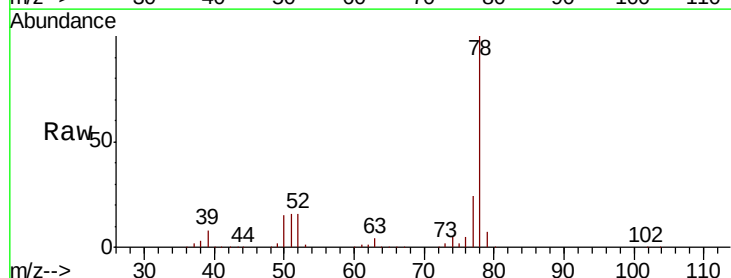
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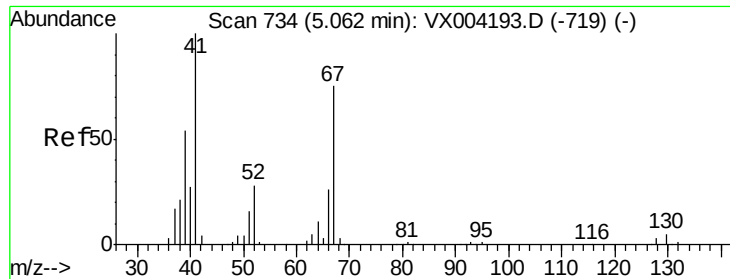
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#40
Benzene
Concen: 19.477 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	309161		
77	24.0	19.0	28.4	





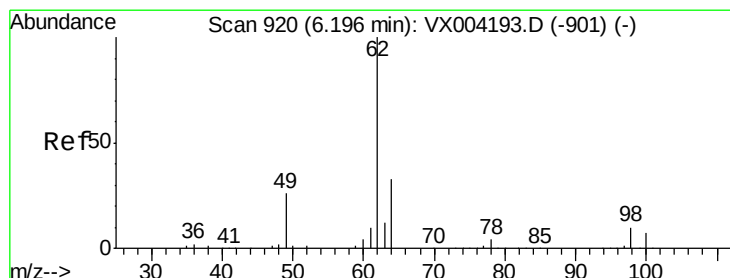
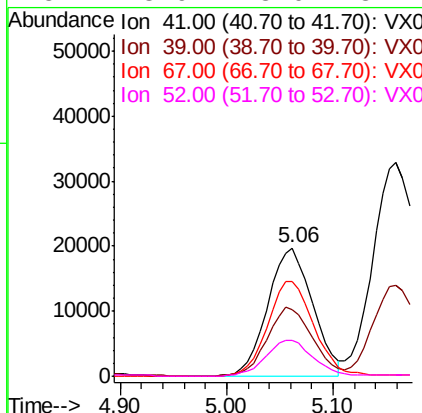
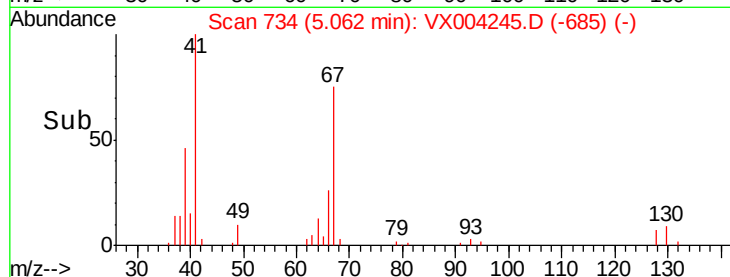
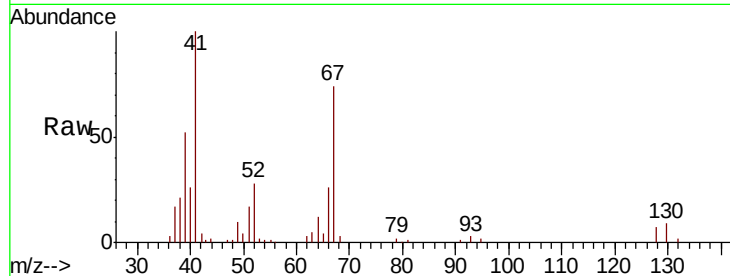
#41
Methacrylonitrile
Concen: 19.092 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	42.4	63.6	
67	75.9	59.2	88.8	
52	28.9	23.0	34.4	

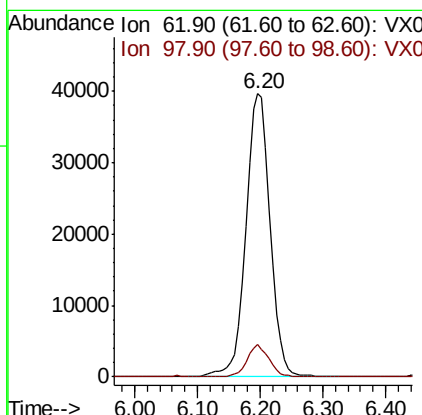
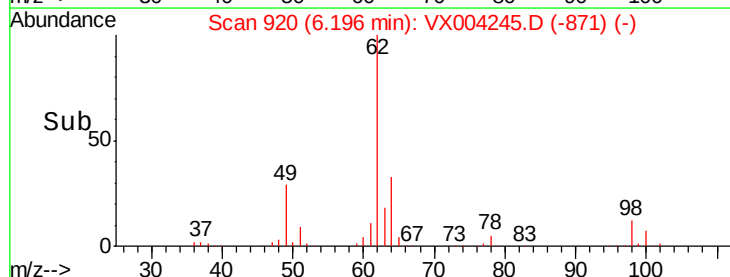
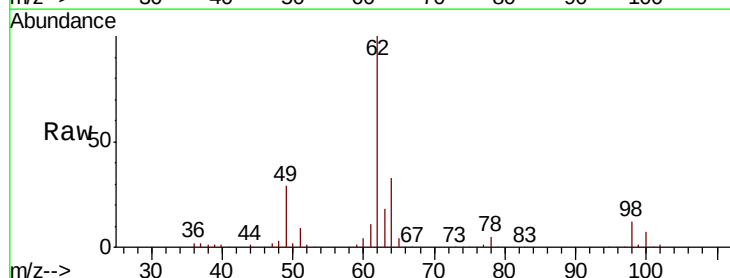
Manual Integrations
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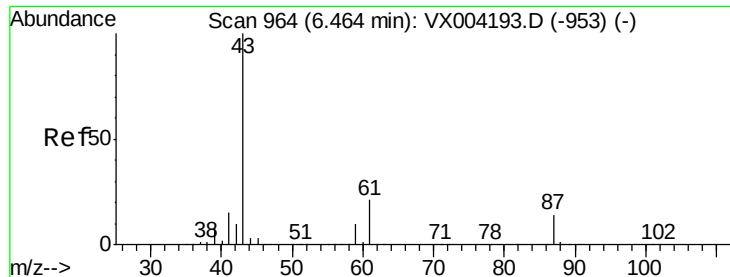
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.522 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.6	





#43

Isopropyl Acetate

Concen: 19.586 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

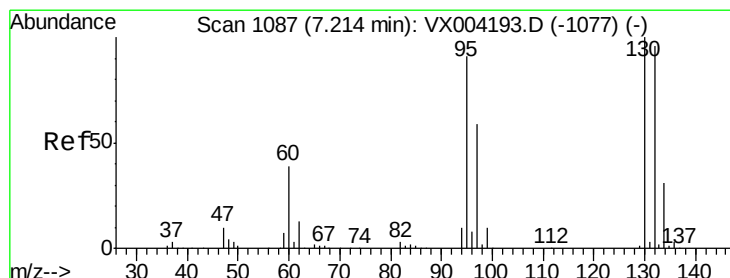
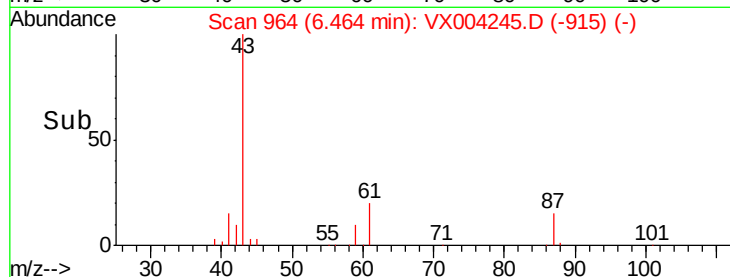
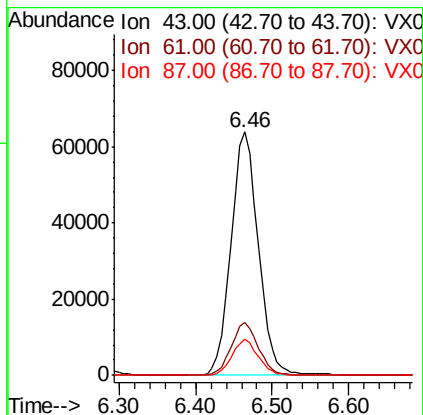
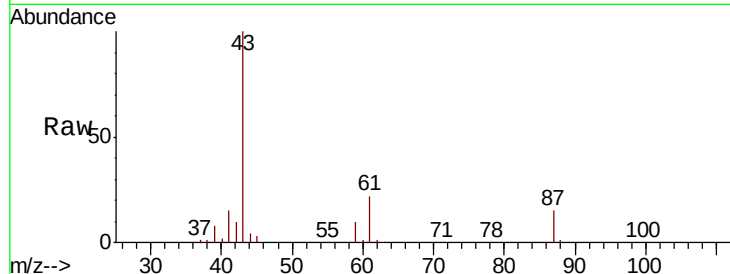
ClientSampleId :

VX0824WBSD01

Tgt Ion:	43	Resp:	157241
Ion Ratio	Lower	Upper	
43	100		
61	21.7	17.0	25.4
87	14.3	11.4	17.2

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#44

Trichloroethene

Concen: 18.914 ug/l

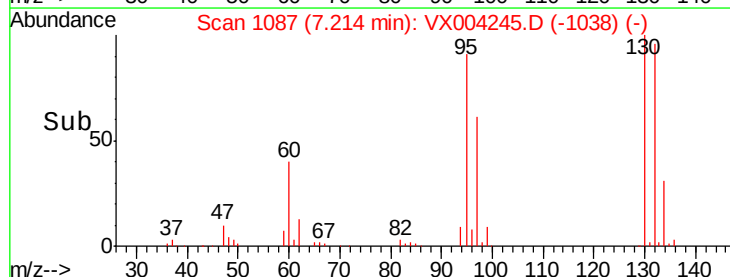
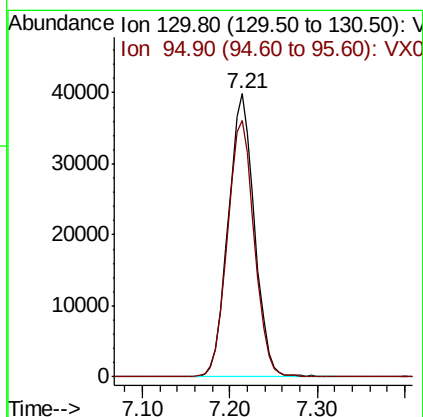
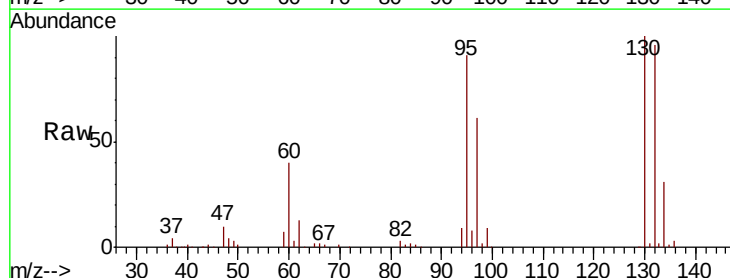
RT: 7.21 min Scan# 1087

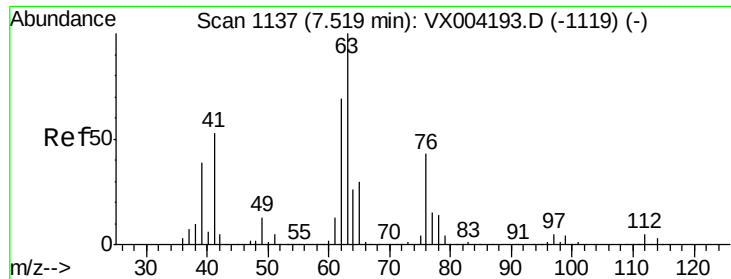
Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Tgt Ion:	130	Resp:	83106
Ion Ratio	Lower	Upper	
130	100		
95	90.8	0.0	181.6





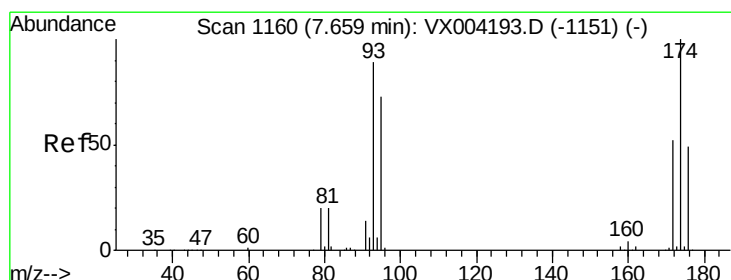
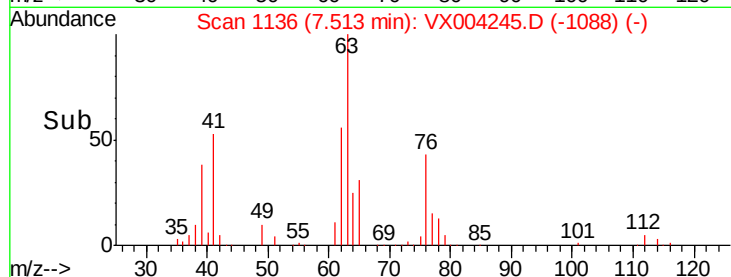
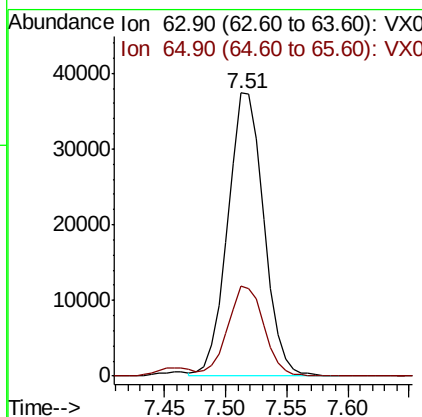
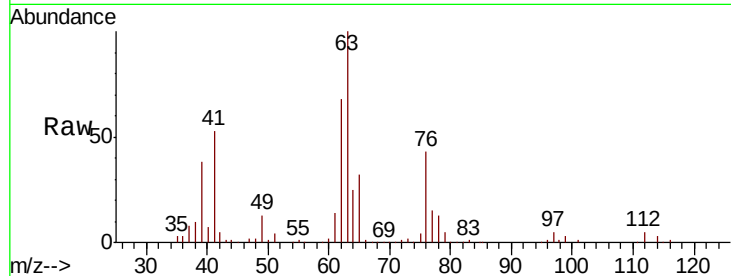
#45
 1,2-Dichloropropane
 Concen: 19.137 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion: 63 Resp: 76030
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.3 36.5

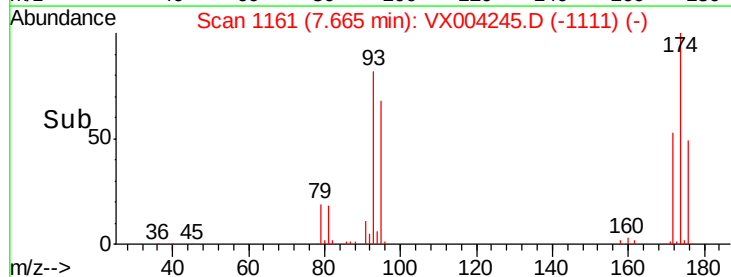
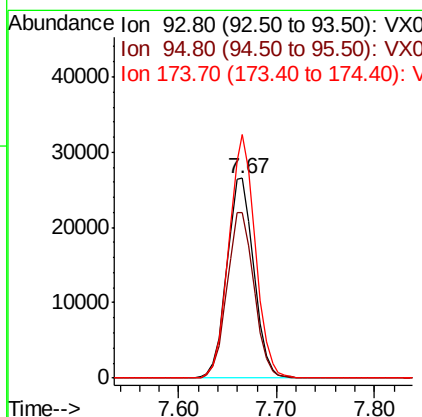
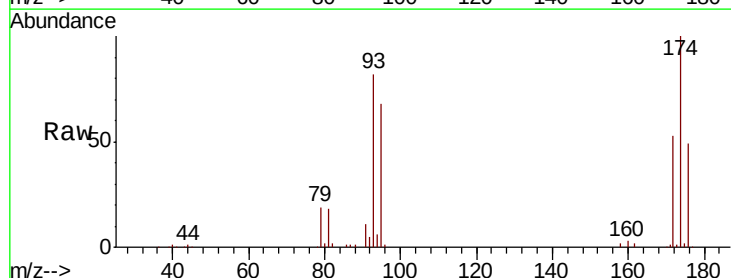
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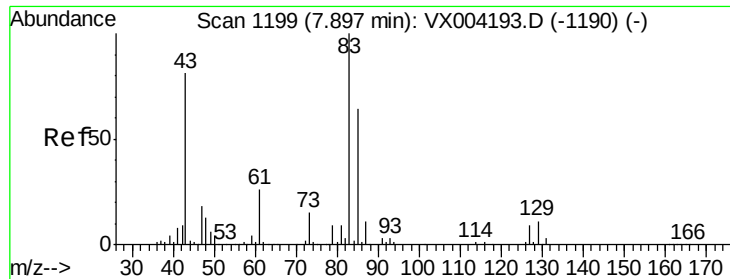
MMDadoda
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#46
 Dibromomethane
 Concen: 19.177 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion: 93 Resp: 50727
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.5 98.3
 174 118.9 94.2 141.4





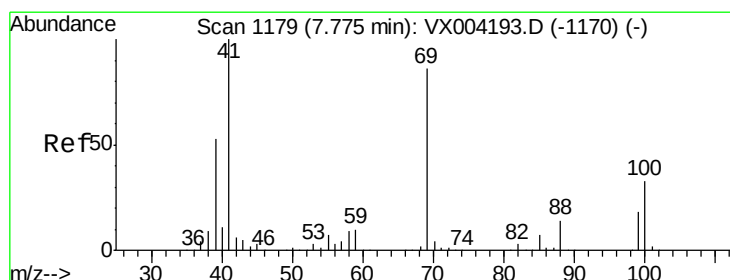
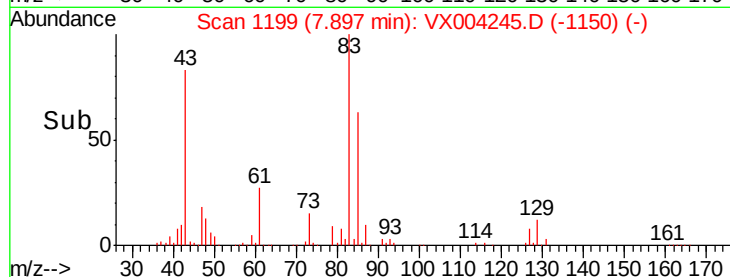
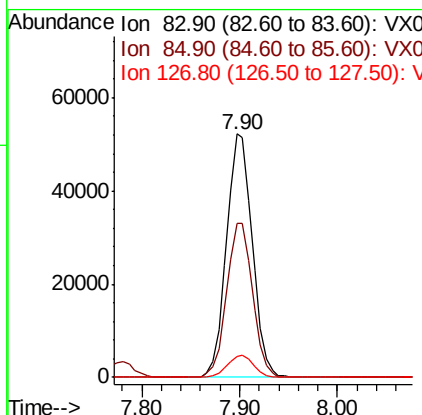
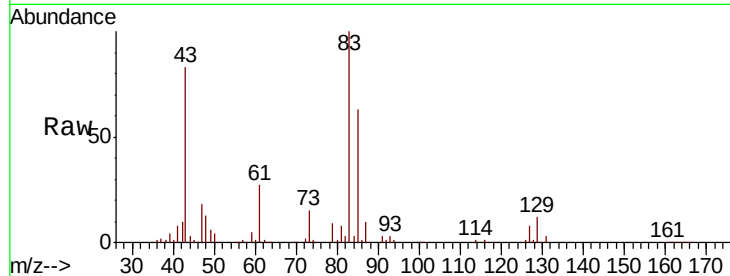
#47
 Bromodichloromethane
 Concen: 19.414 ug/l
 RT: 7.90 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampled :
 VX0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	95560		
85	63.3	50.9	76.3	
127	8.4	7.3	10.9	

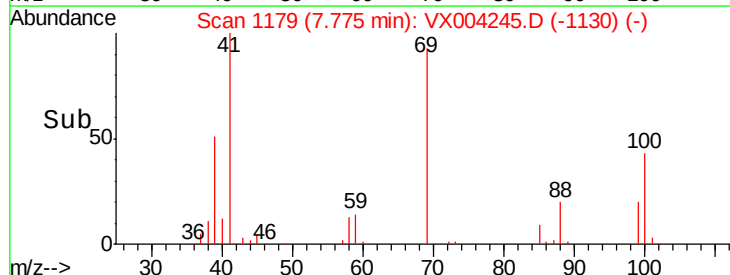
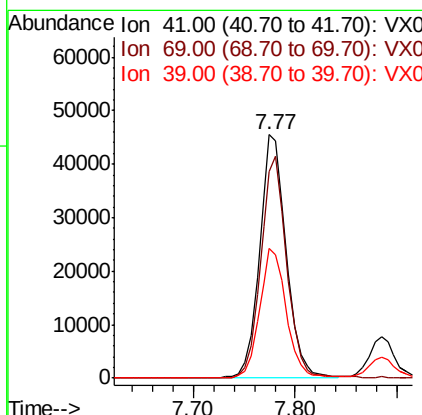
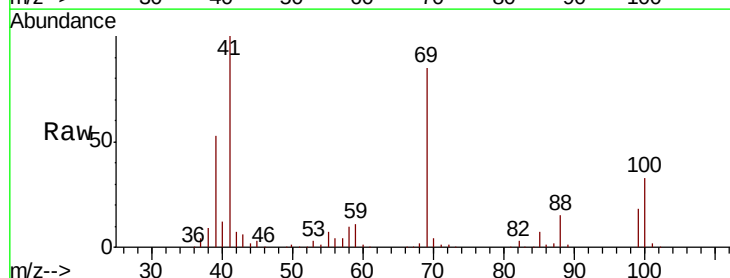
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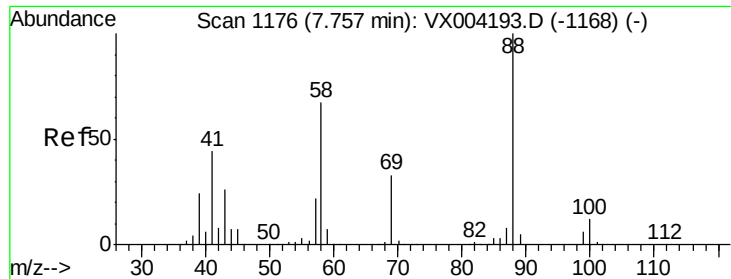
MMDadoda
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#48
 Methyl methacrylate
 Concen: 19.198 ug/l
 RT: 7.77 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	82466		
69	89.1	70.2	105.4	
39	53.0	42.7	64.1	





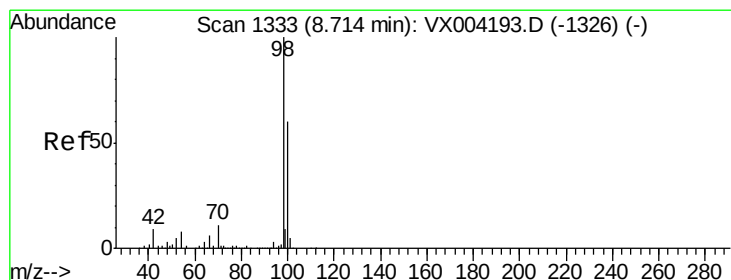
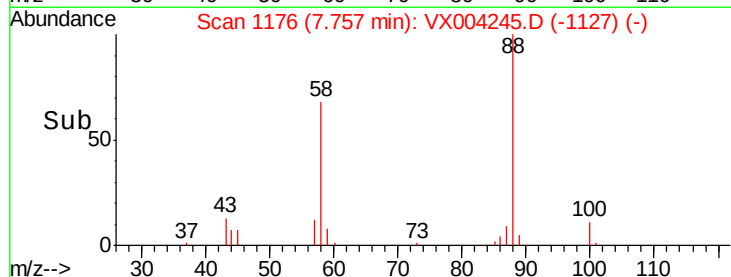
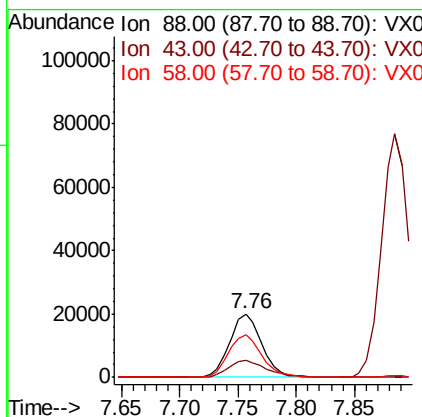
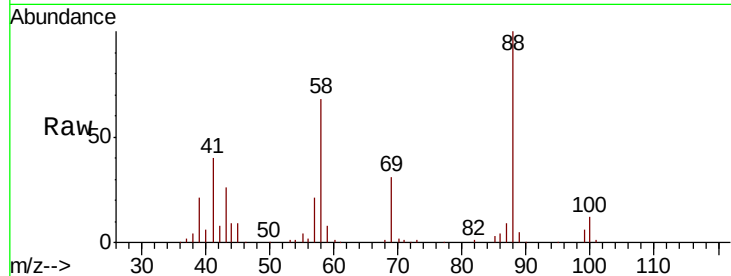
#49
1,4-Dioxane
Concen: 395.026 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.7	37.1
58	70.3	55.3	82.9

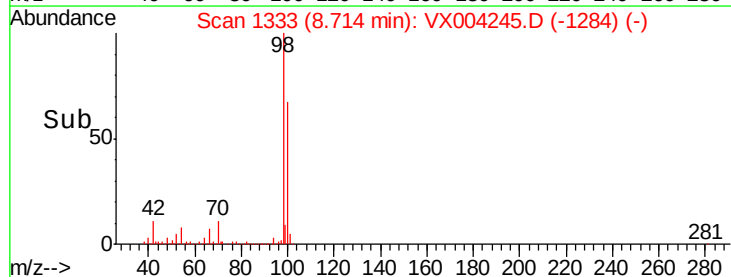
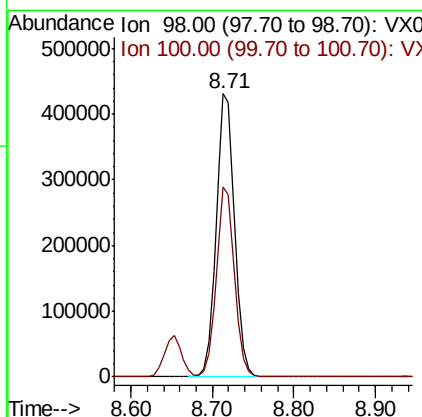
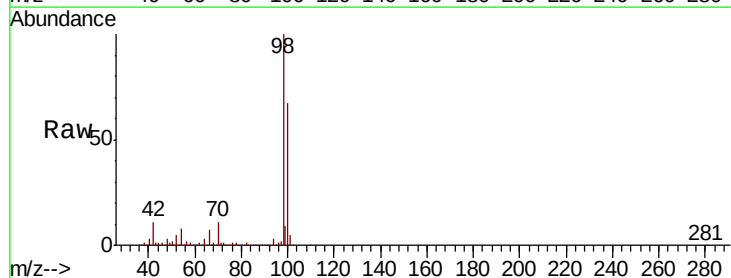
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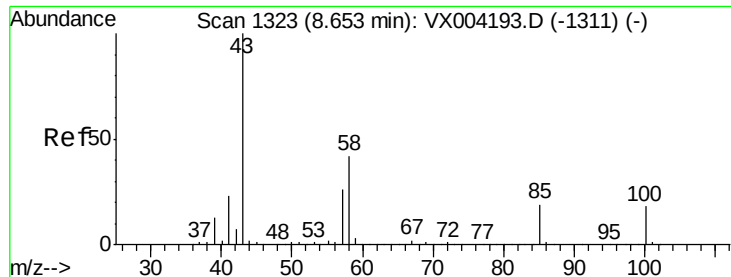
MMDadoda
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#50
Toluene-d8
Concen: 51.482 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





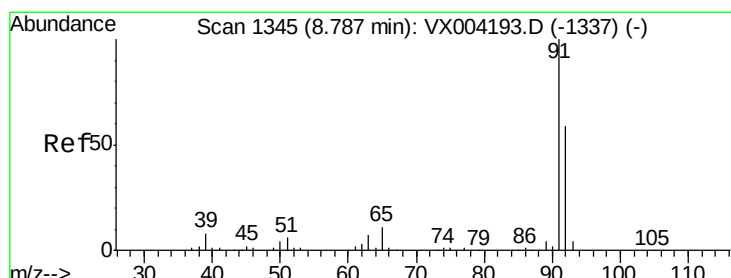
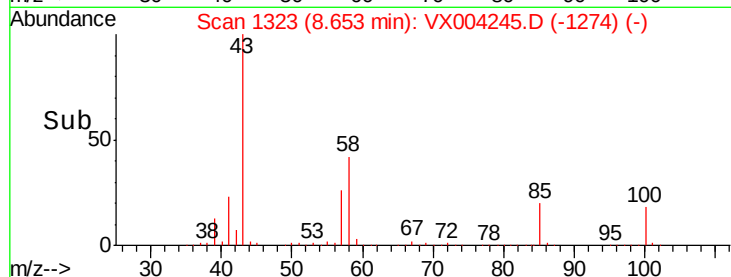
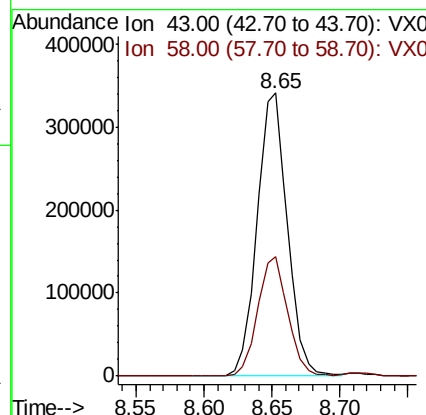
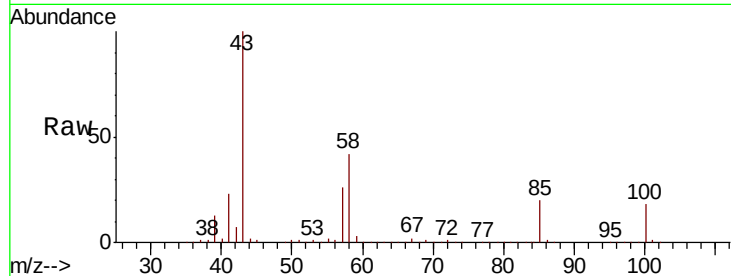
#51
 4-Methyl-2-Pentanone
 Concen: 91.341 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion: 43 Resp: 532793
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.1 49.7

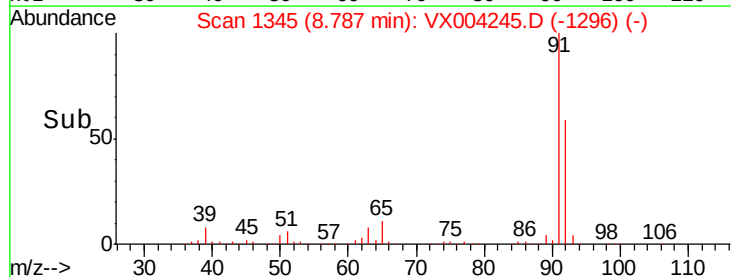
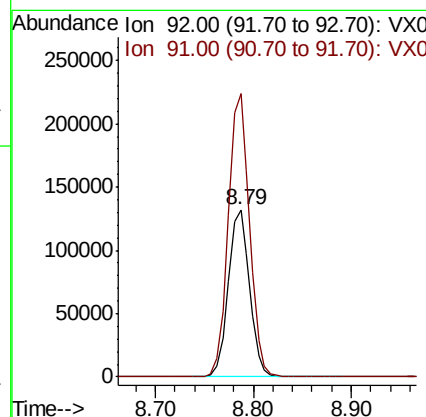
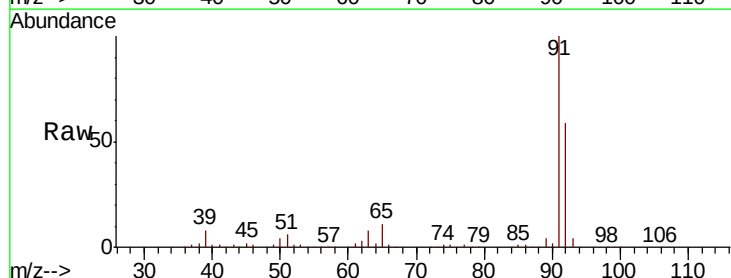
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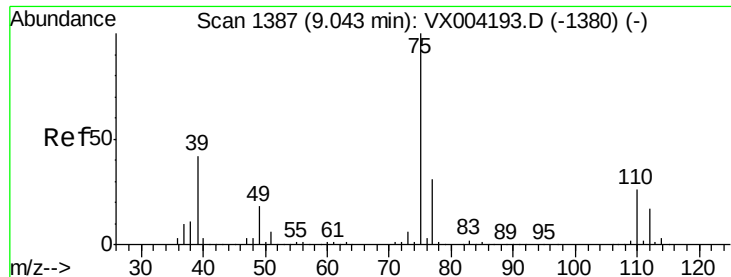
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#52
 Toluene
 Concen: 20.019 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion: 92 Resp: 198913
 Ion Ratio Lower Upper
 92 100
 91 169.4 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.330 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 75 Resp: 105089

Ion Ratio Lower Upper

75 100

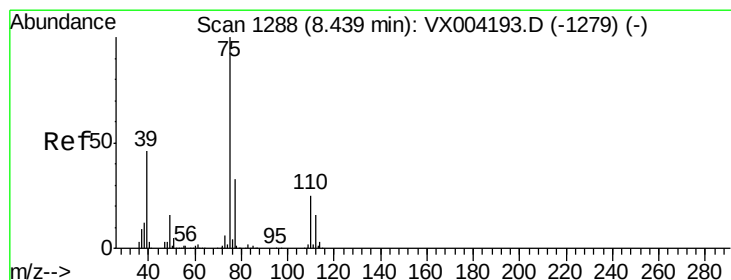
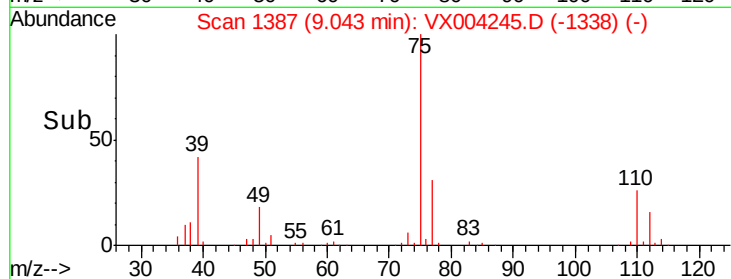
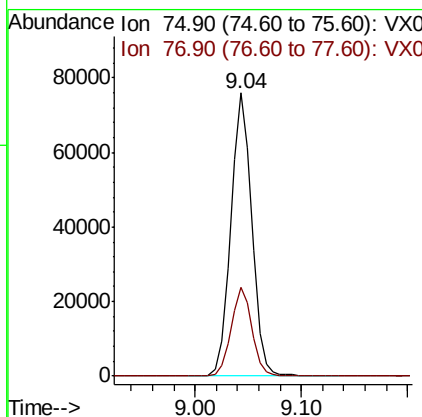
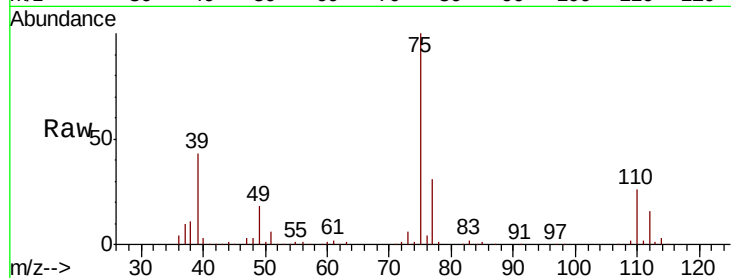
77 31.5 24.6 37.0

Manual Integrations

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MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 19.710 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

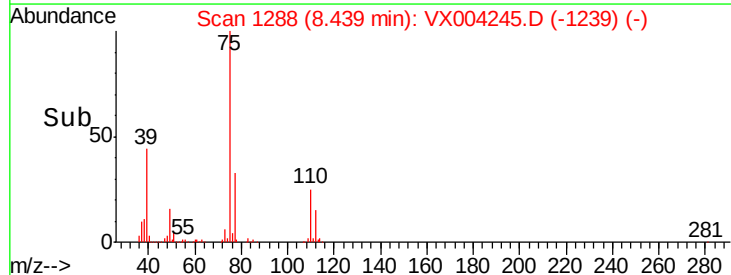
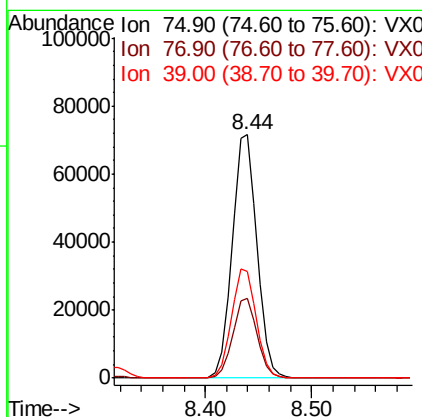
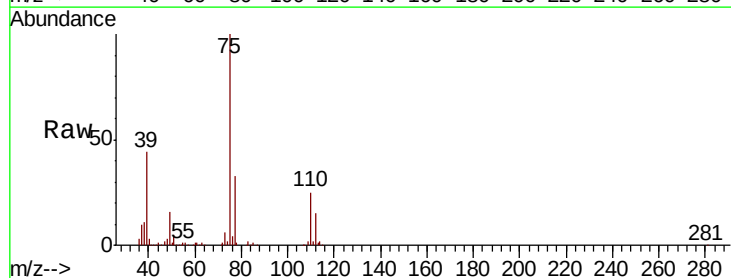
Tgt Ion: 75 Resp: 116715

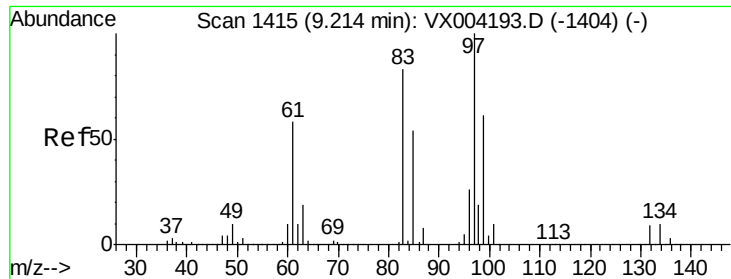
Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2

39 43.5 36.4 54.6





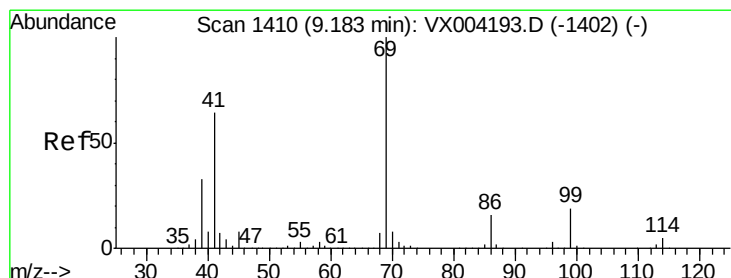
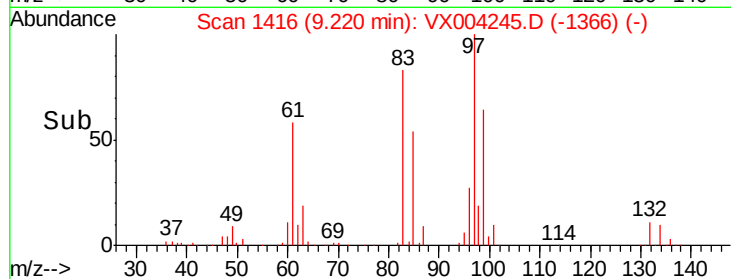
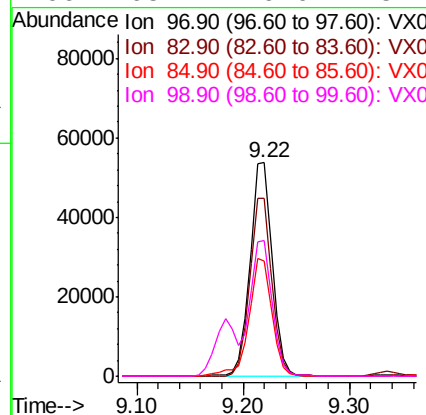
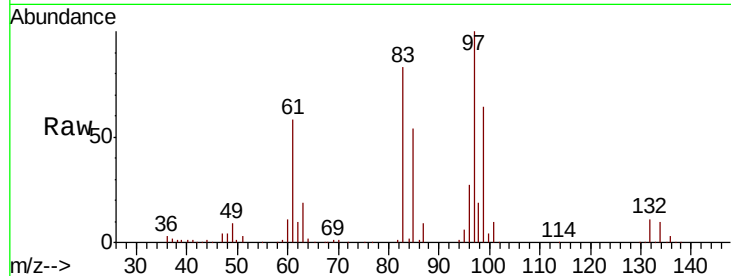
#55
 1,1,2-Trichloroethane
 Concen: 19.835 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		79561		
83	83.0	66.4	99.6		
85	54.2	43.3	64.9		
99	63.7	49.0	73.4		

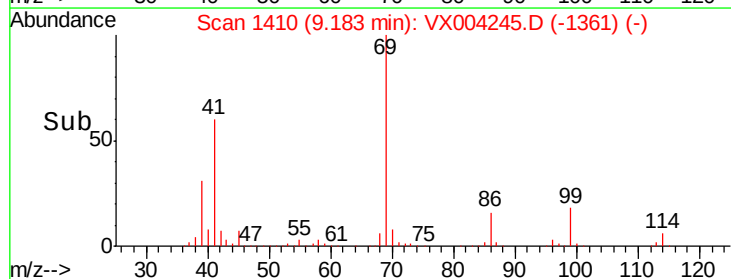
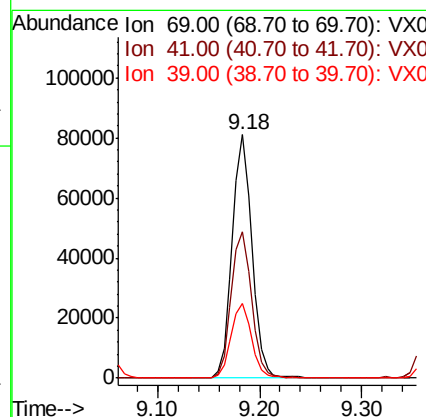
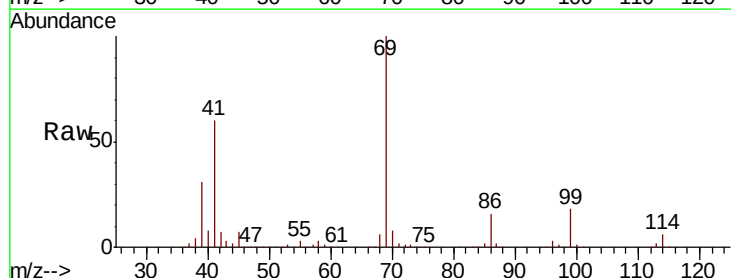
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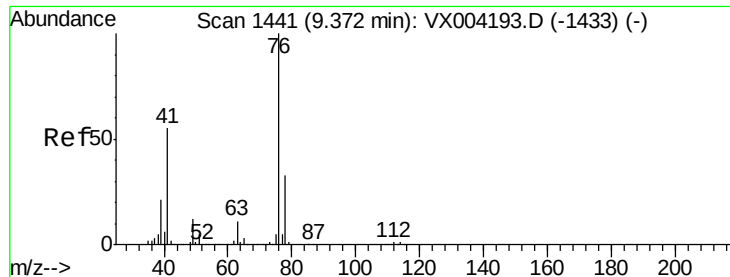
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#56
 Ethyl methacrylate
 Concen: 19.979 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		109090		
41	62.4	51.0	76.4		
39	31.4	26.1	39.1		





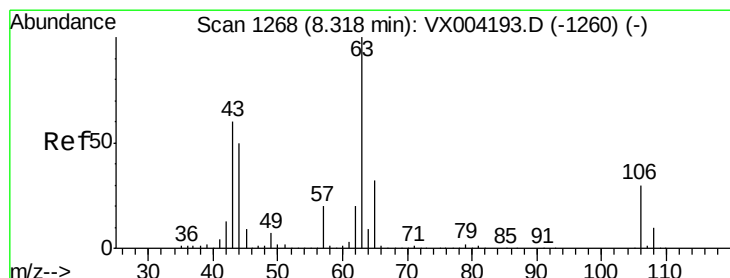
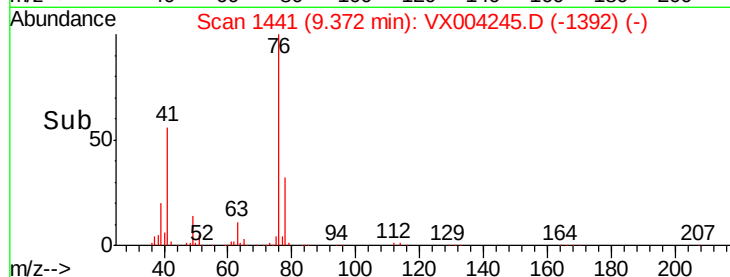
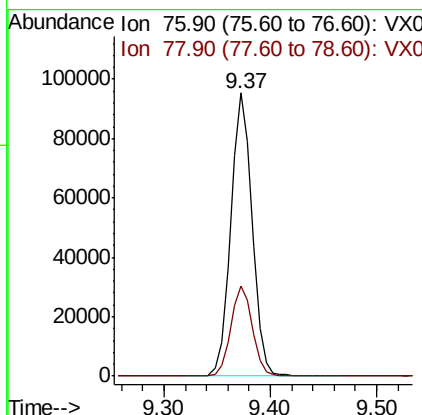
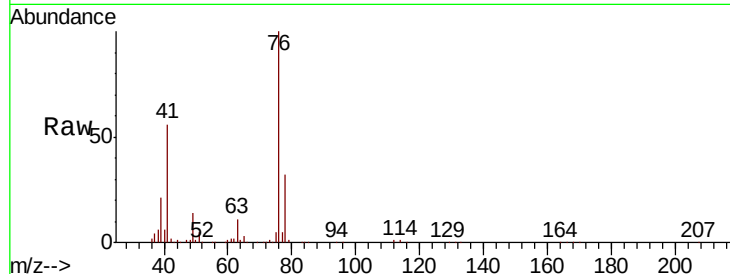
#57
 1,3-Dichloropropane
 Concen: 19.813 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion: 76 Resp: 133954
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3

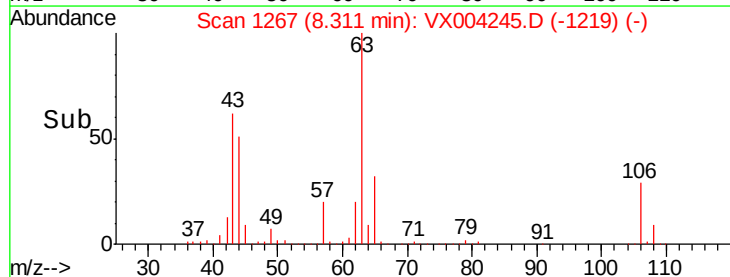
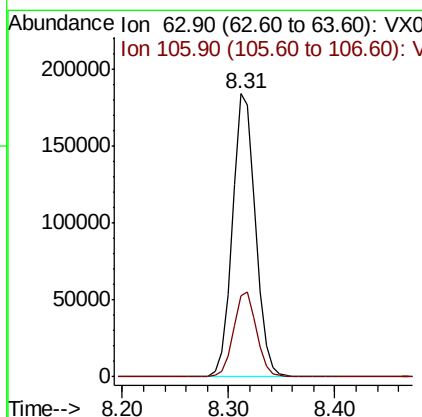
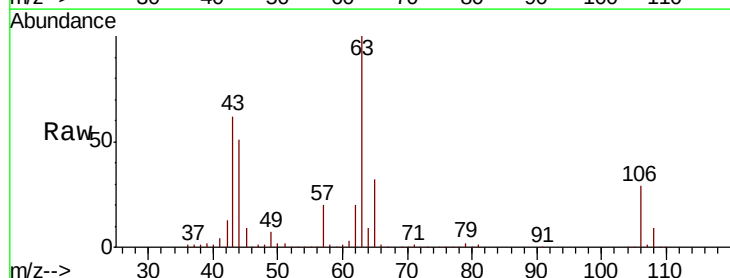
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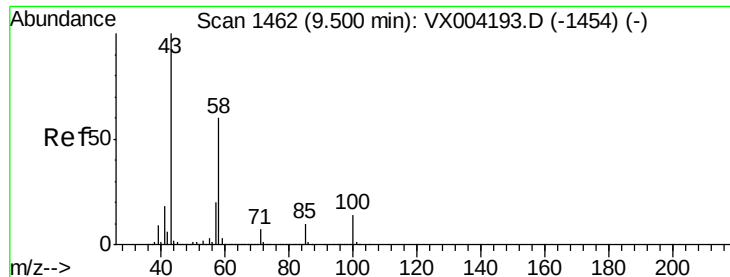
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.125 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion: 63 Resp: 280127
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.9 35.9





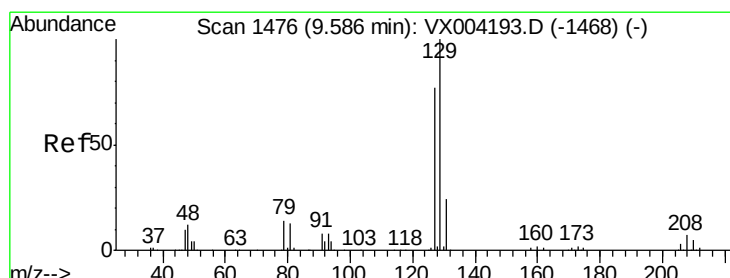
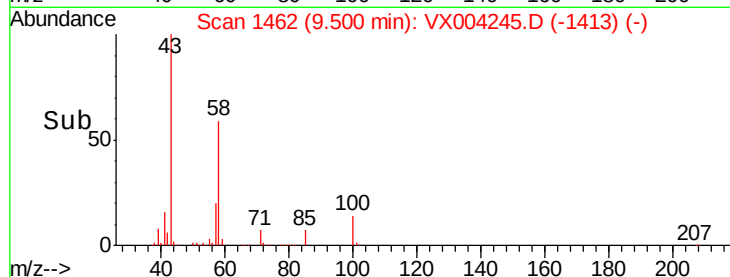
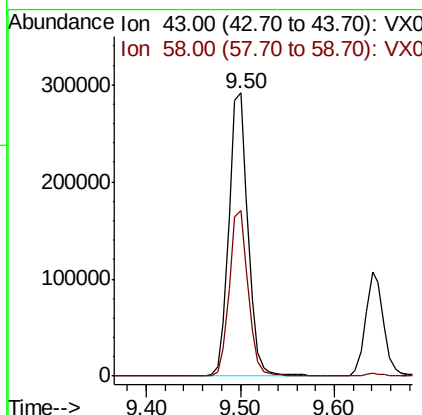
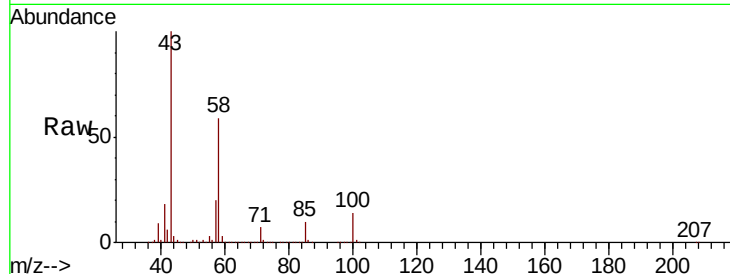
#59
2-Hexanone
Concen: 91.916 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion: 43 Resp: 409028
Ion Ratio Lower Upper
43 100
58 58.1 29.0 87.0

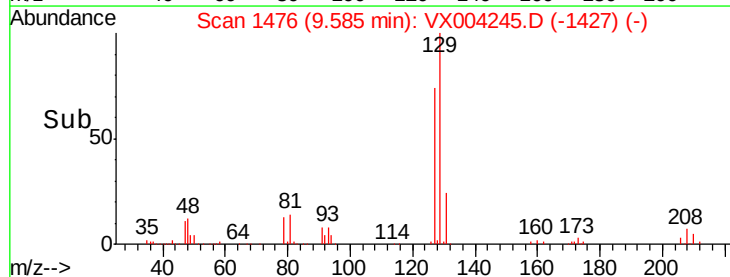
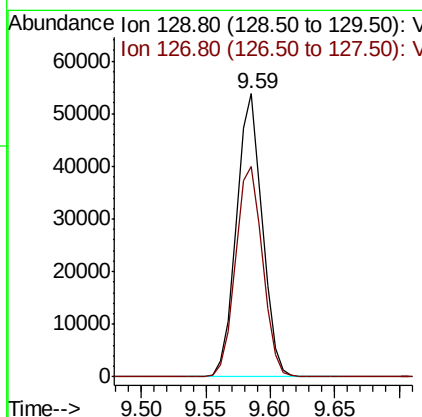
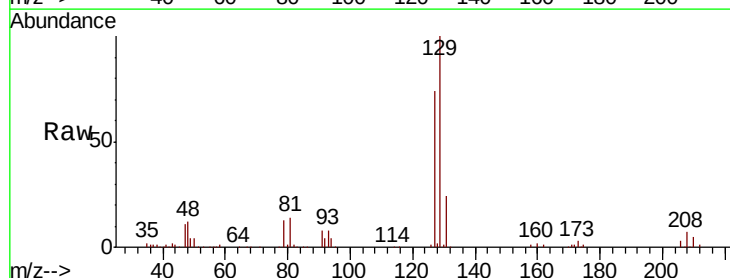
Manual Integrations
APPROVED

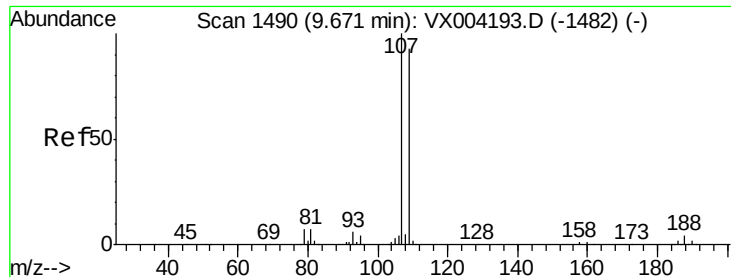
MMDadoda
8/25/2018 11:42:52 AM



#60
Dibromochloromethane
Concen: 19.230 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion: 129 Resp: 75151
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.702 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 107 Resp: 81781

Ion Ratio Lower Upper

107 100

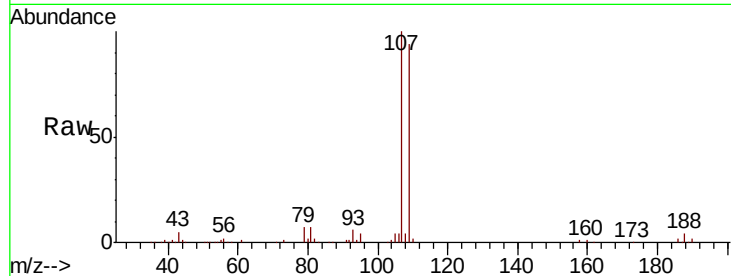
109 94.4 76.0 114.0

Manual Integrations

APPROVED

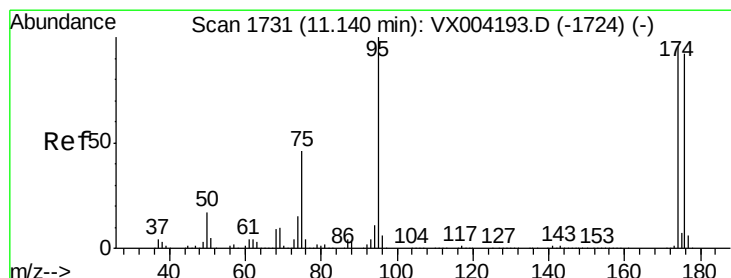
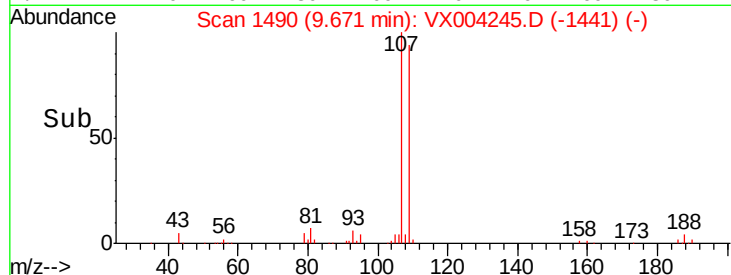
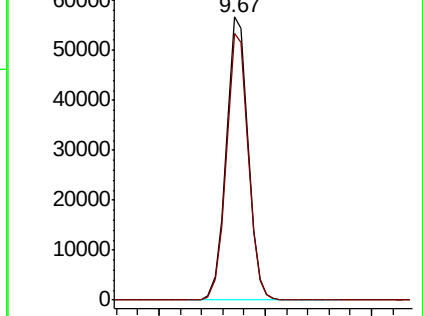
MMDadoda

8/25/2018 11:42:52 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.218 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

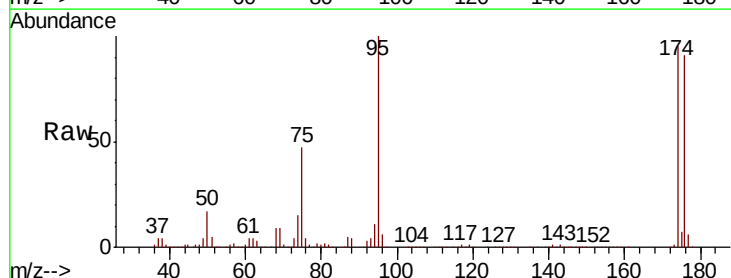
Tgt Ion: 95 Resp: 253582

Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

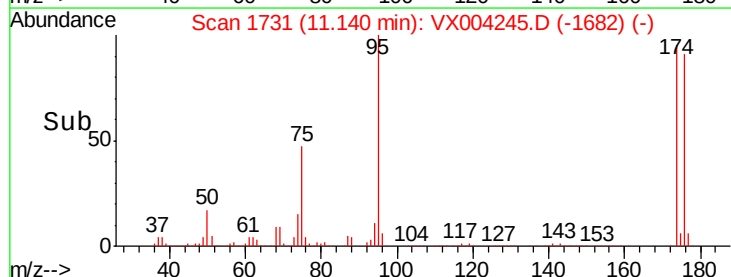
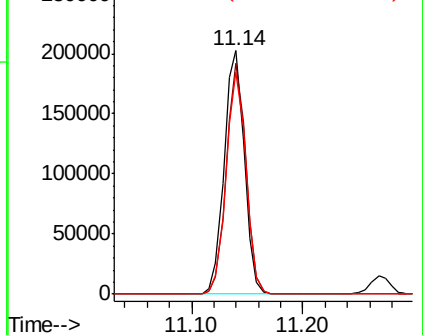
176 89.8 0.0 178.6

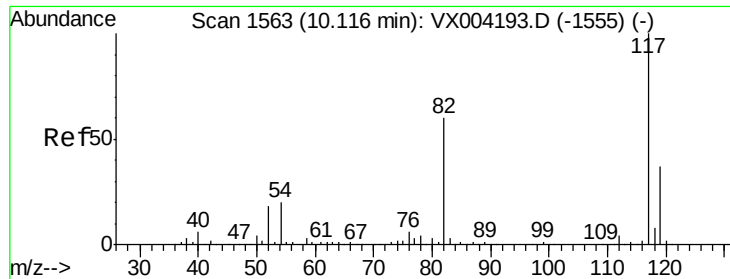


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





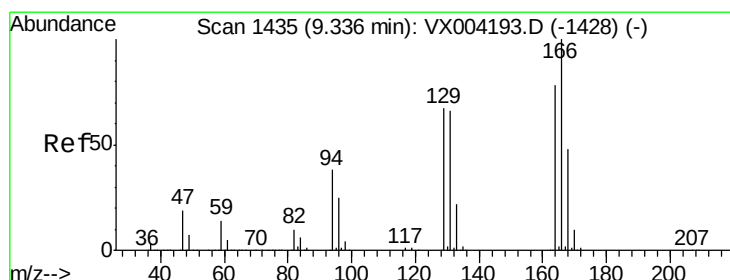
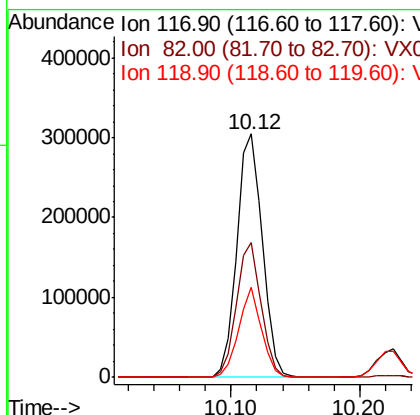
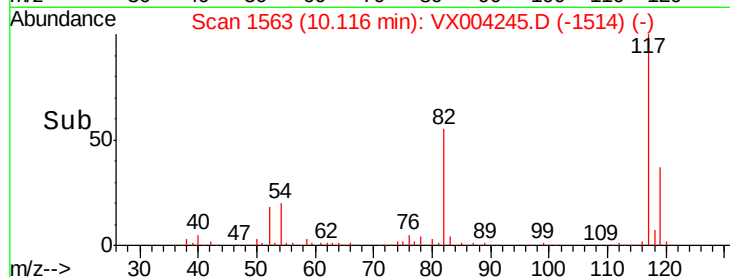
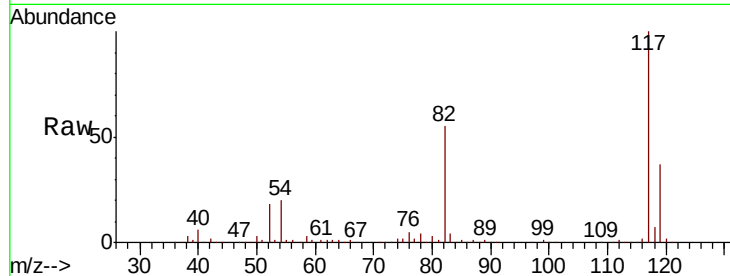
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	418131		
82	55.1	47.8	71.6	
119	36.7	29.3	43.9	

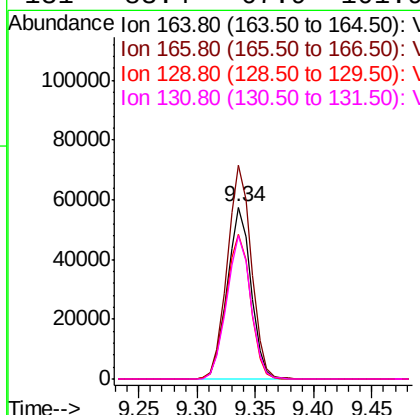
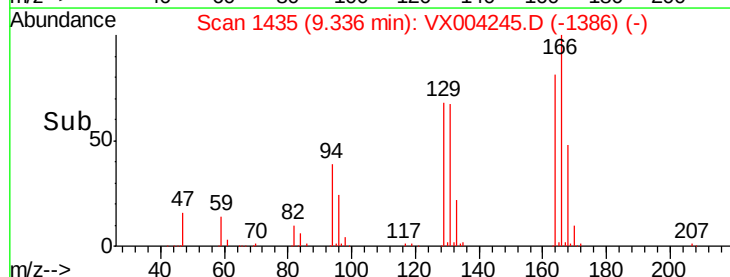
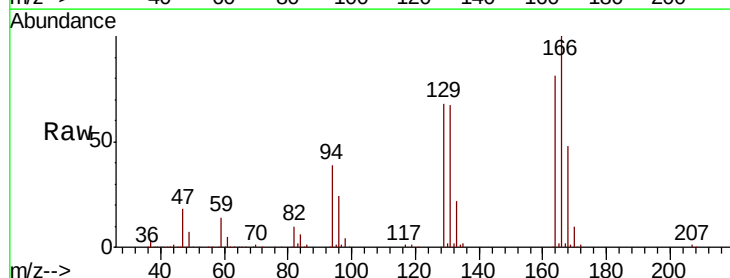
Manual Integrations
APPROVED

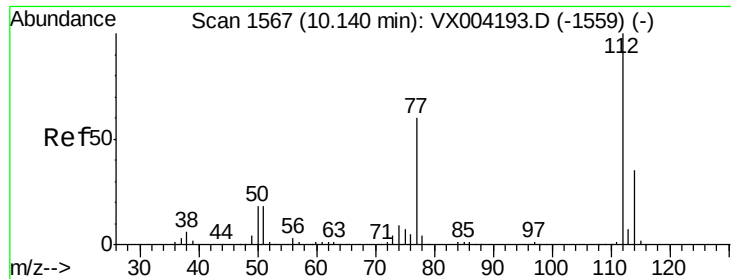
MMDadoda
8/25/2018 11:42:52 AM



#64
Tetrachloroethene
Concen: 19.752 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81585		
166	124.2	102.8	154.2	
129	84.4	69.4	104.0	
131	83.4	67.9	101.9	





#65

Chlorobenzene

Concen: 19.574 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

VX0824WBSD01

Tgt Ion:112 Resp: 205414

Ion Ratio Lower Upper

112 100

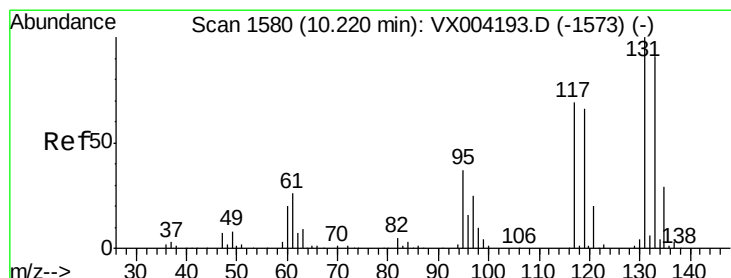
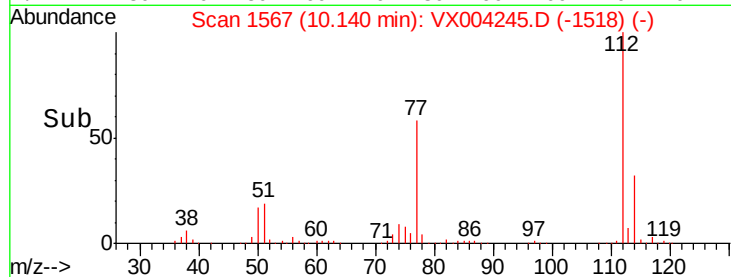
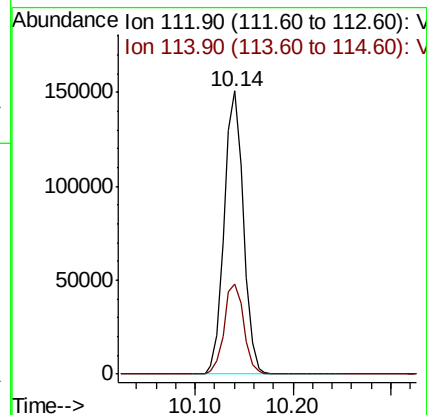
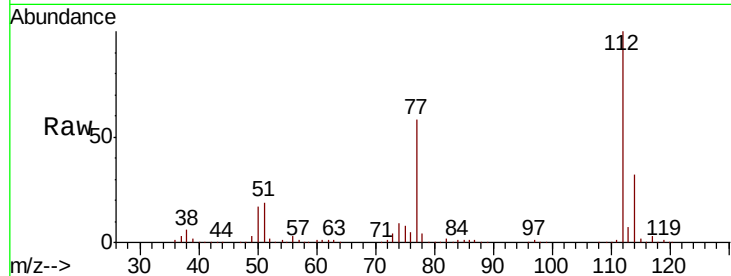
114 31.9 27.8 41.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.318 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

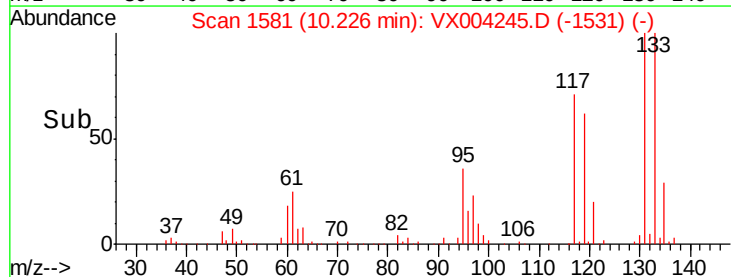
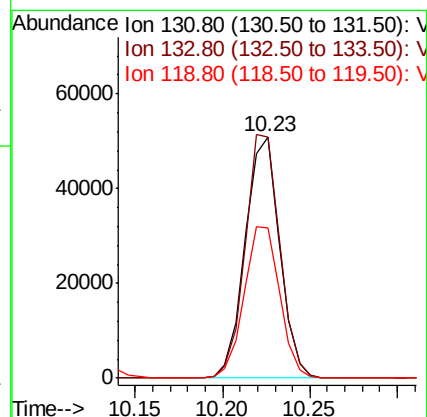
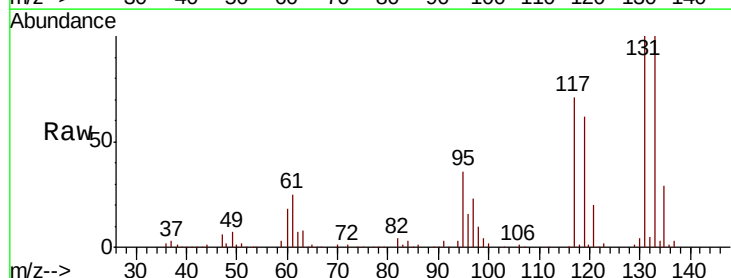
Tgt Ion:131 Resp: 69921

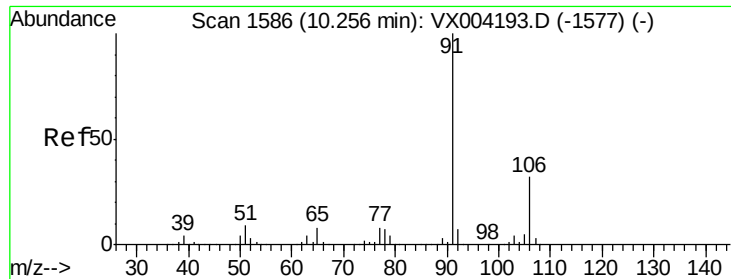
Ion Ratio Lower Upper

131 100

133 100.8 48.1 144.4

119 65.0 32.9 98.6





#67

Ethyl Benzene

Concen: 20.098 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 91 Resp: 342519

Ion Ratio Lower Upper

91 100

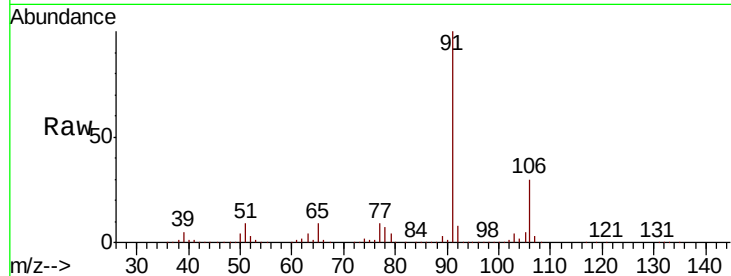
106 30.3 25.9 38.9

Manual Integrations

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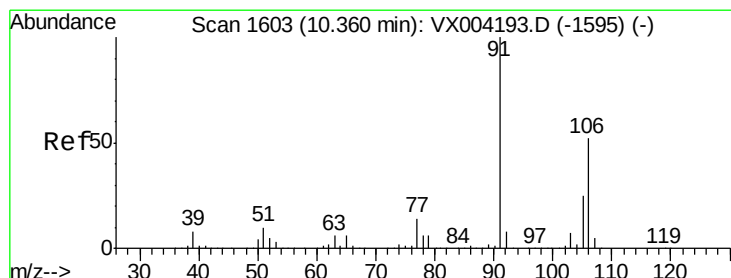
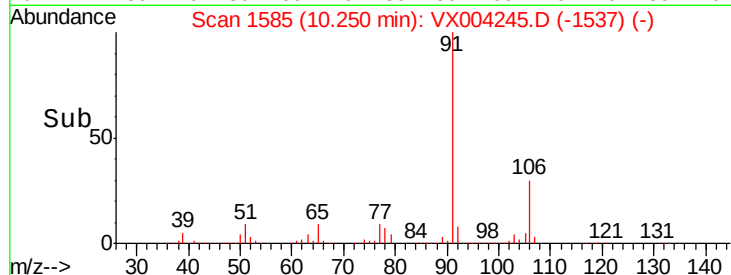
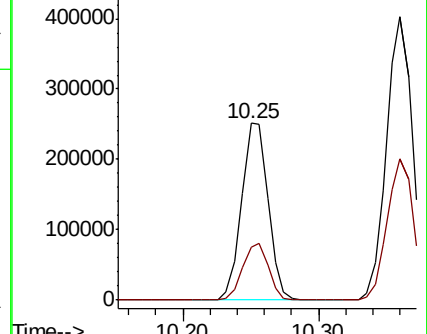
MMDadoda

8/25/2018 11:42:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.925 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004245.D

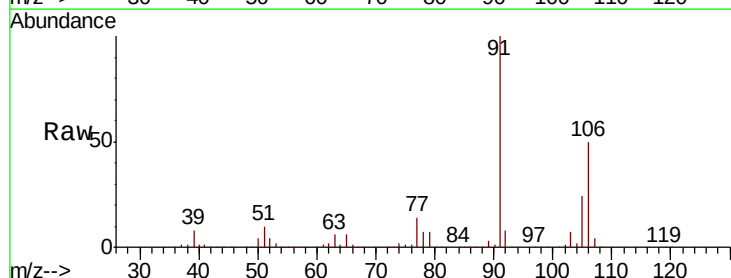
Acq: 24 Aug 2018 14:29

Tgt Ion: 106 Resp: 272721

Ion Ratio Lower Upper

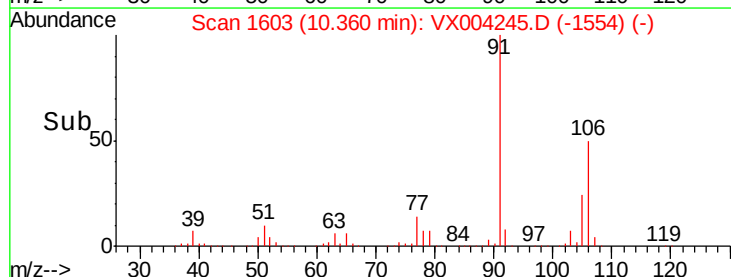
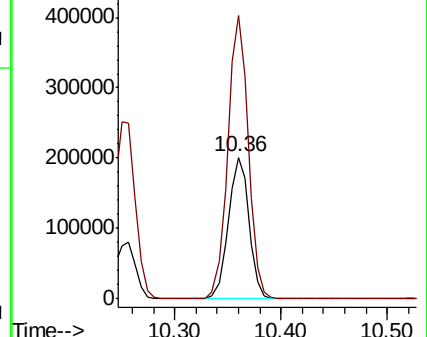
106 100

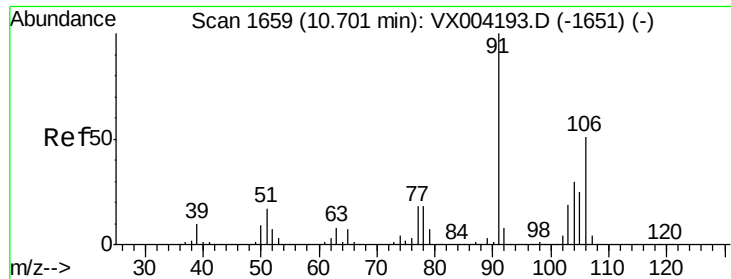
91 198.2 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





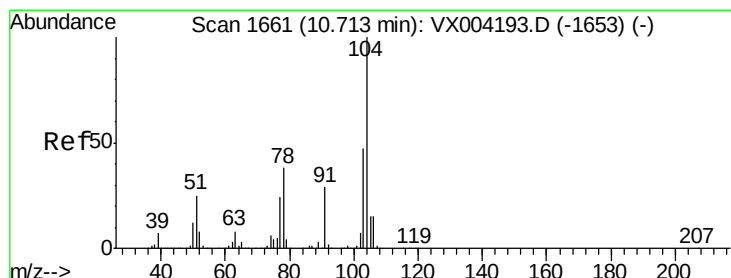
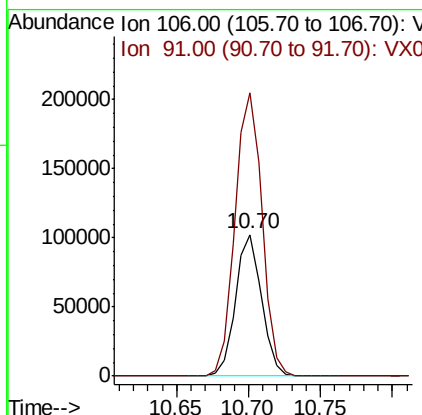
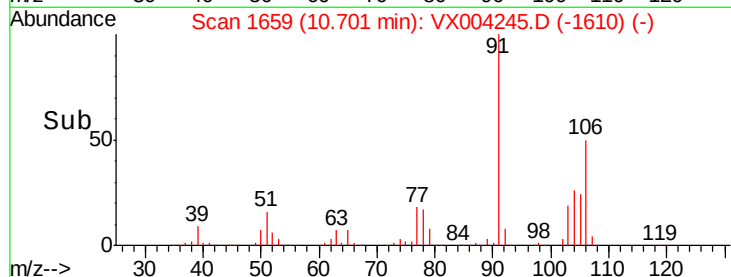
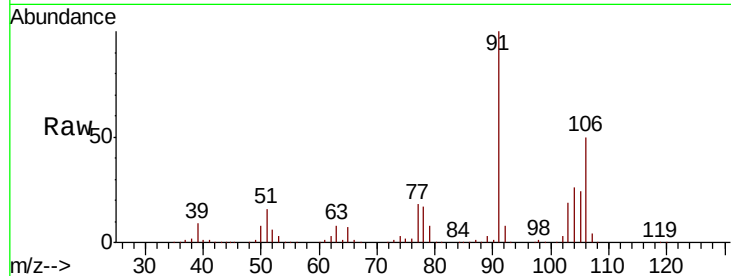
#69
o-Xylene
Concen: 20.559 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion:106 Resp: 129593
Ion Ratio Lower Upper
106 100
91 208.1 105.1 315.1

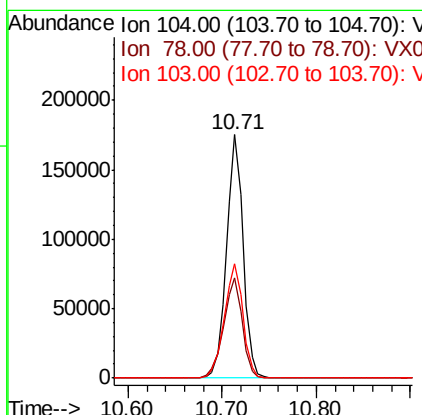
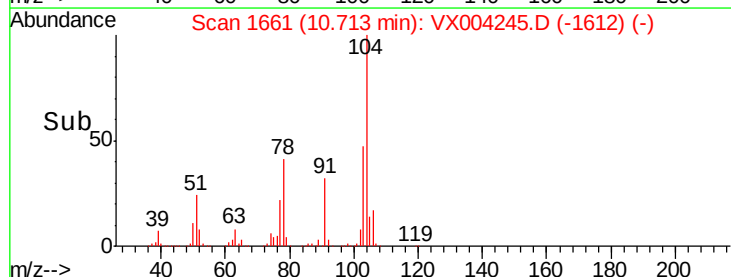
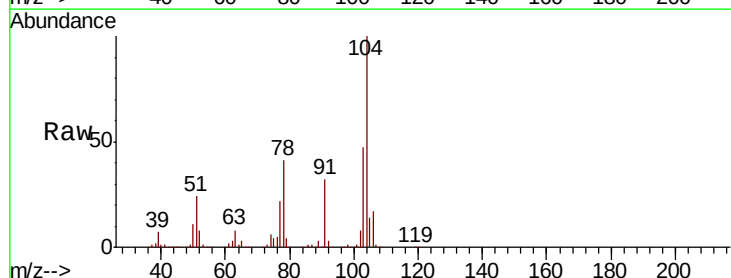
Manual Integrations
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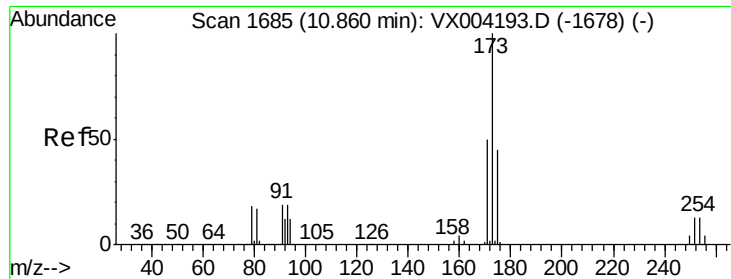
MMDadoda
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#70
Styrene
Concen: 21.015 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion:104 Resp: 214493
Ion Ratio Lower Upper
104 100
78 46.3 37.4 56.0
103 52.7 43.8 65.6





#71

Bromoform

Concen: 18.869 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion:173 Resp: 55053

Ion Ratio Lower Upper

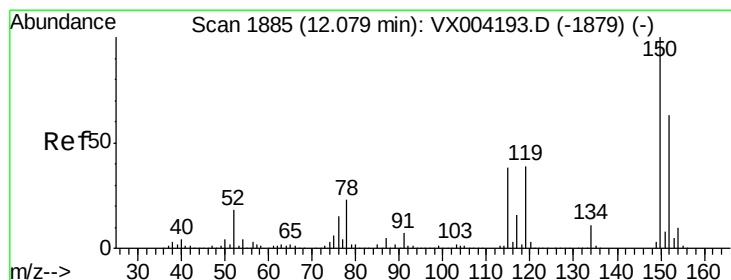
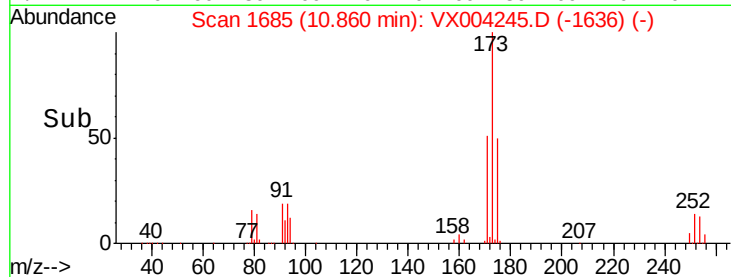
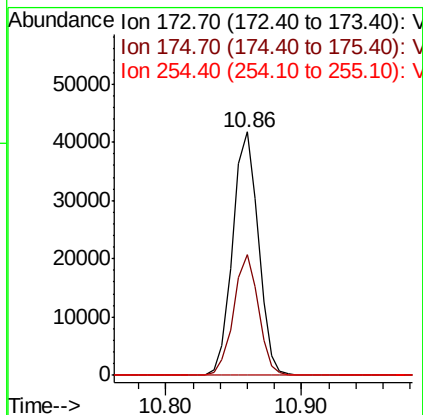
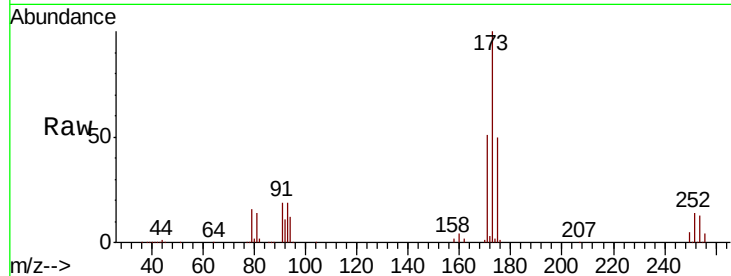
173 100

175 48.0 24.1 72.3

254 0.1 0.2 0.2#

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8/25/2018 11:42:52 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

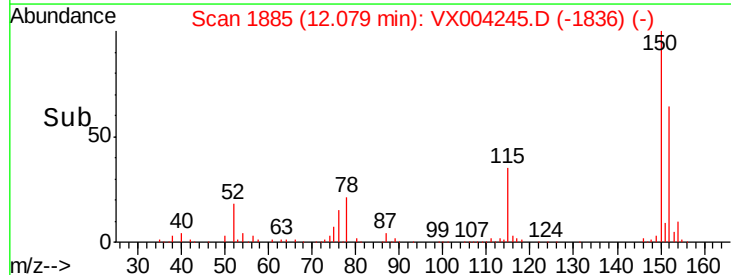
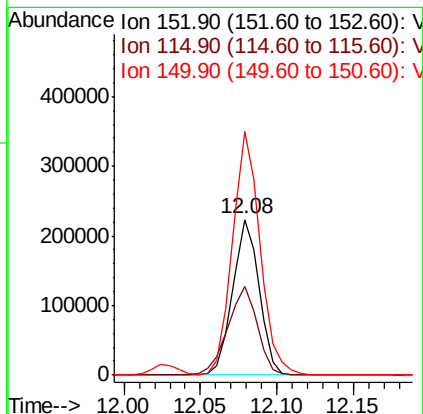
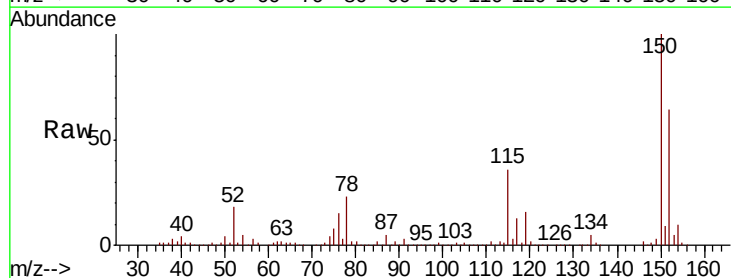
Tgt Ion:152 Resp: 267371

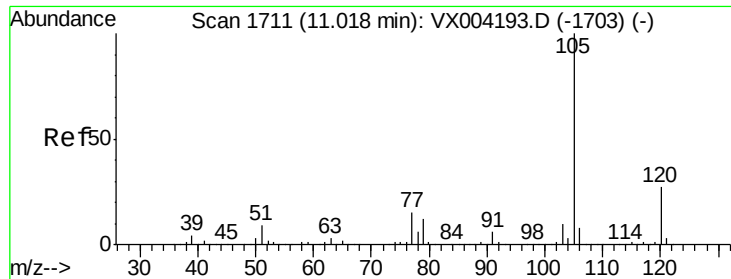
Ion Ratio Lower Upper

152 100

115 63.7 39.0 117.0

150 163.5 0.0 351.0





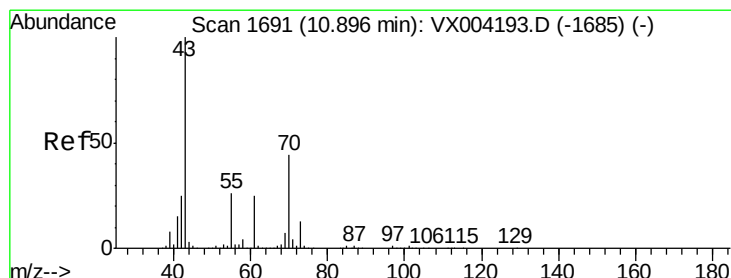
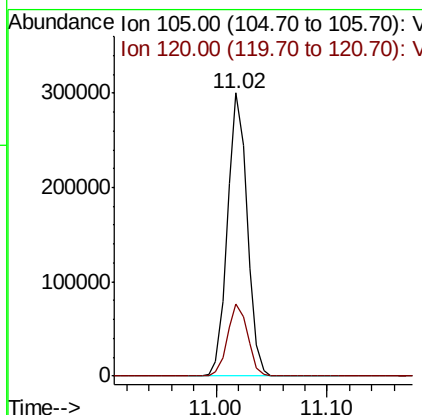
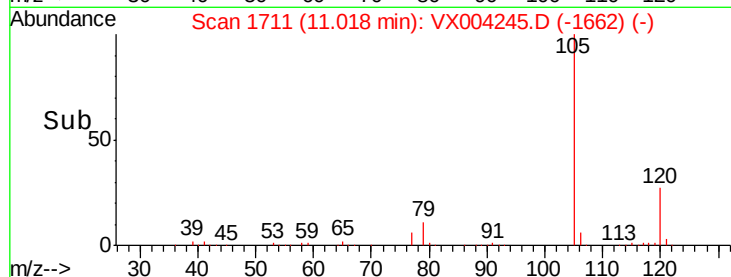
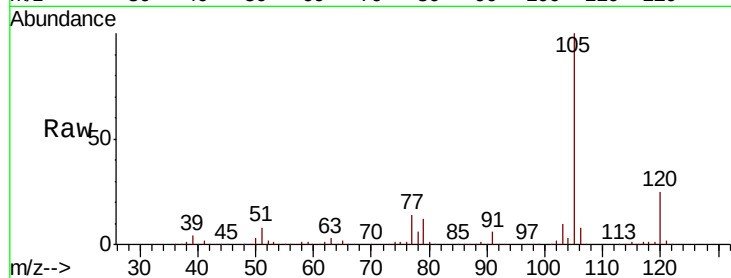
#73
Isopropylbenzene
Concen: 20.917 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampled :
VX0824WBSD01

Tgt Ion: 105 Resp: 367314
Ion Ratio Lower Upper
105 100
120 26.1 13.5 40.4

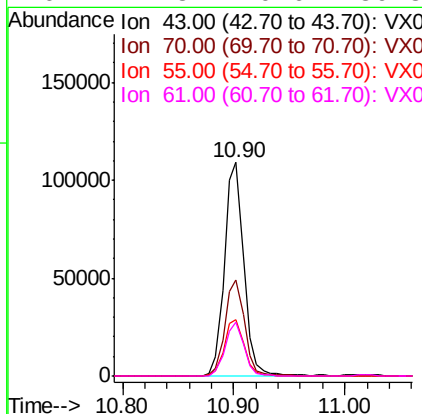
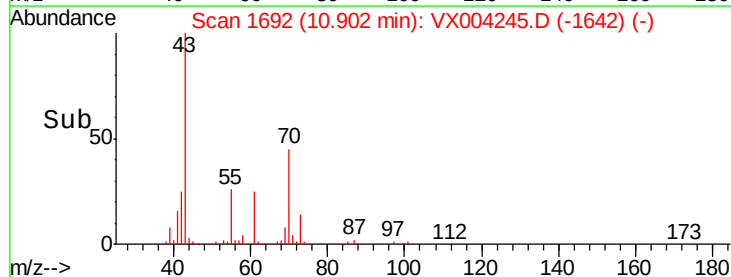
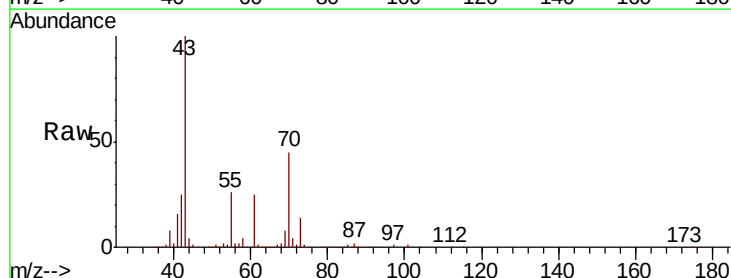
Manual Integrations
APPROVED

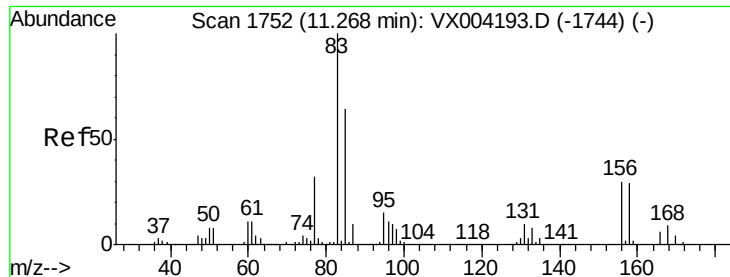
MMDadoda
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#74
N-ethyl acetate
Concen: 19.435 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion: 43 Resp: 131407
Ion Ratio Lower Upper
43 100
70 45.8 37.4 56.0
55 27.4 21.8 32.8
61 24.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.624 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 83 Resp: 120594
Ion Ratio Lower Upper

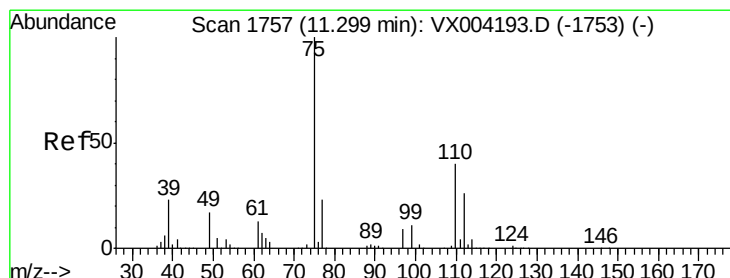
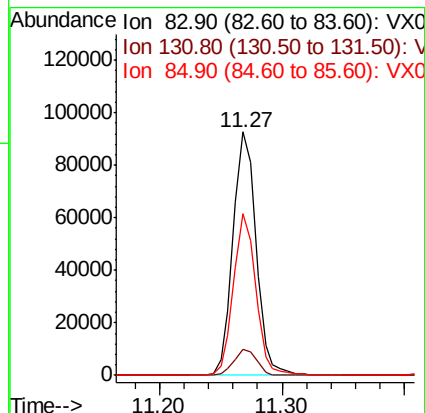
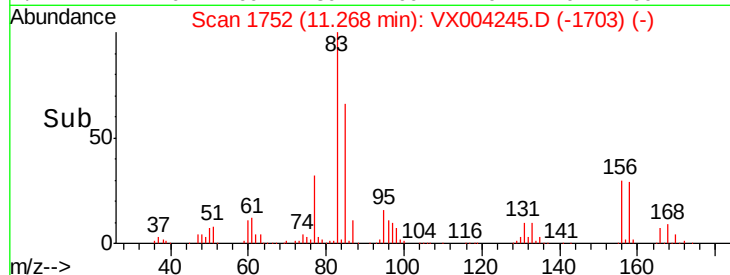
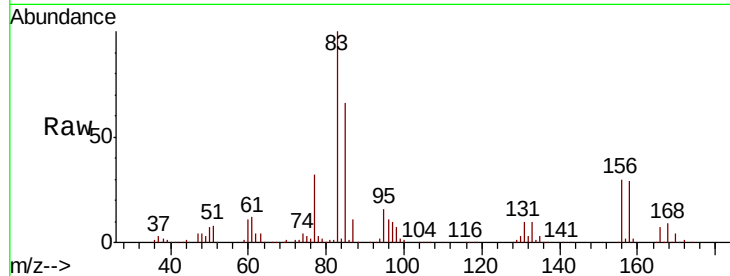
83 100

131 10.5 5.2 15.6

85 64.3 32.3 96.8

Manual Integrations
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8/25/2018 11:42:52 AM



#76

1,2,3-Trichloropropane

Concen: 20.128 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

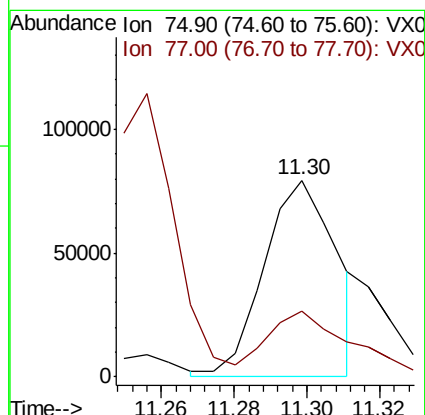
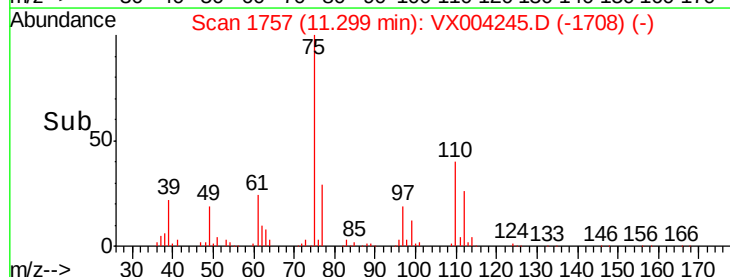
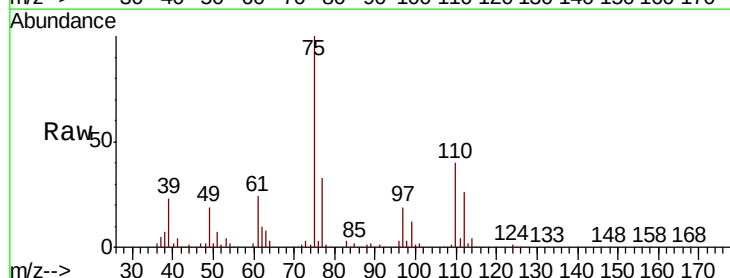
Lab File: VX004245.D

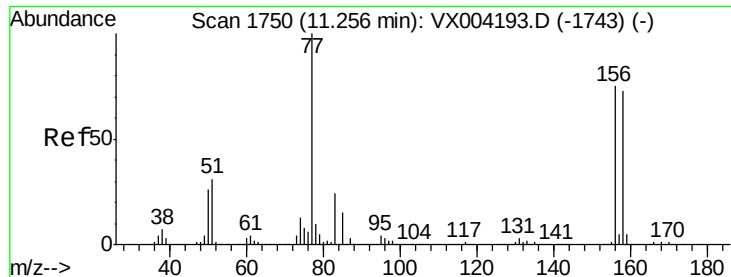
Acq: 24 Aug 2018 14:29

Tgt Ion: 75 Resp: 109455
Ion Ratio Lower Upper

75 100

77 38.9 20.2 60.6





#77

Bromobenzene

Concen: 19.896 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion: 156 Resp: 98009

Ion Ratio Lower Upper

156 100

77 147.7 71.5 214.3

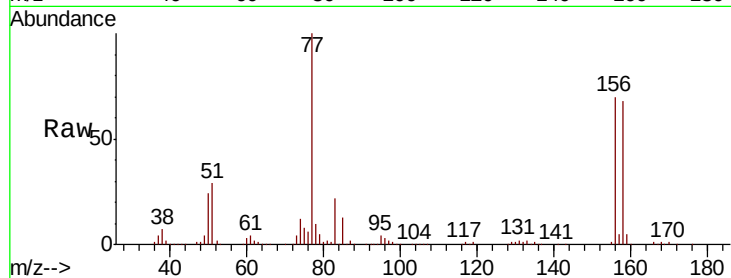
158 98.1 48.9 146.8

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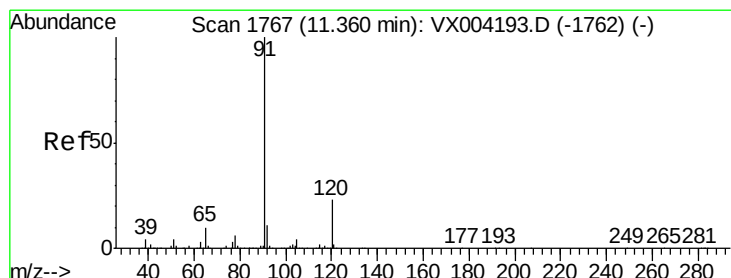
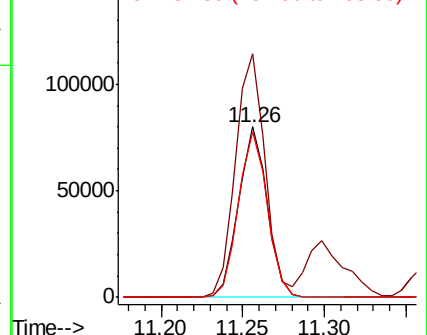
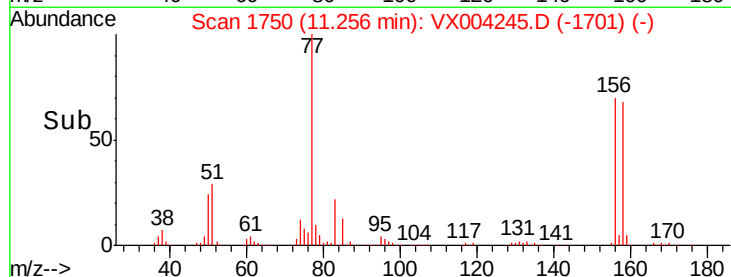


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.849 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004245.D

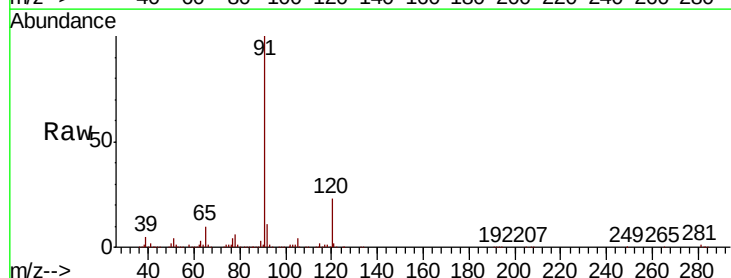
Acq: 24 Aug 2018 14:29

Tgt Ion: 91 Resp: 421084

Ion Ratio Lower Upper

91 100

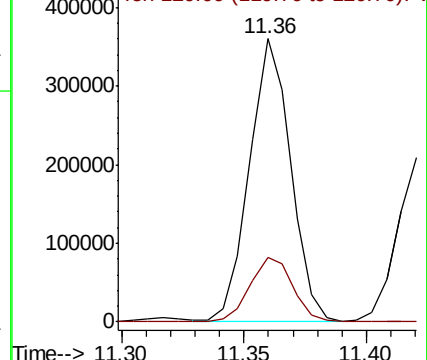
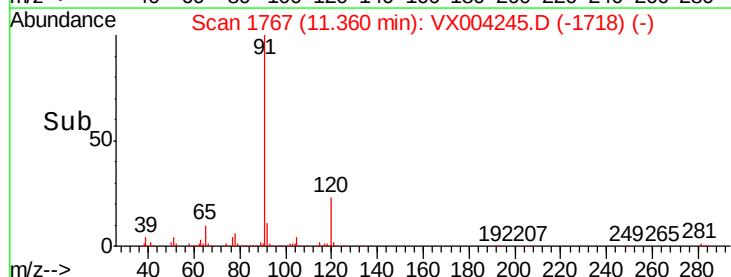
120 23.7 11.9 35.9

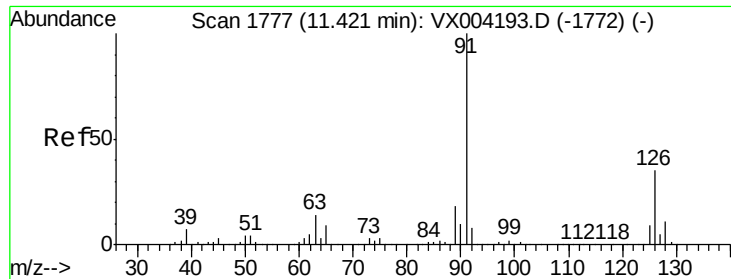


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





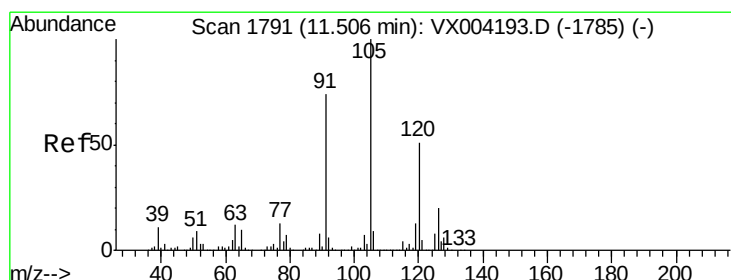
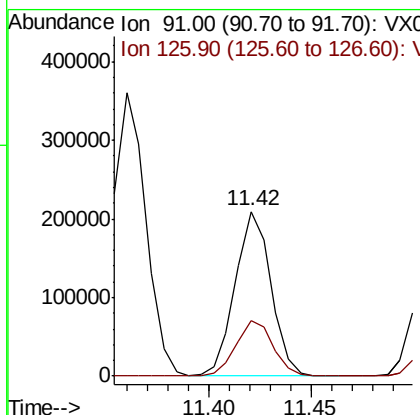
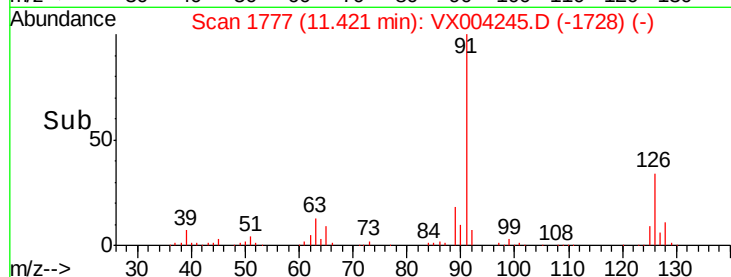
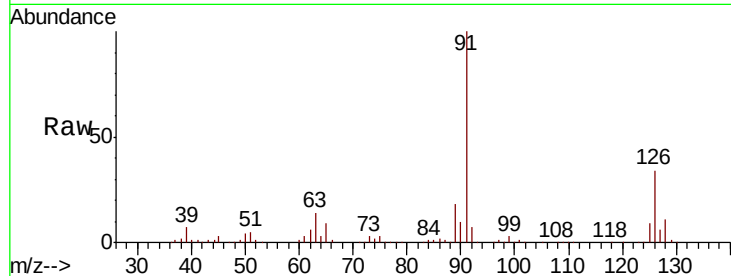
#79
 2-Chlorotoluene
 Concen: 20.352 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion: 91 Resp: 253001
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.9 53.7

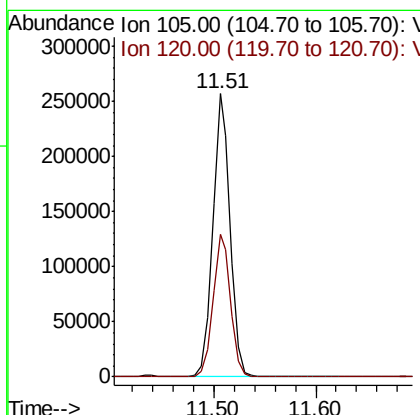
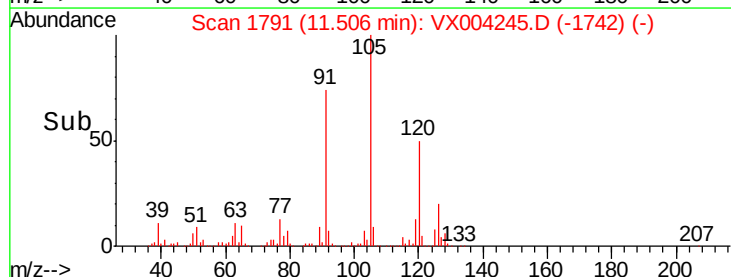
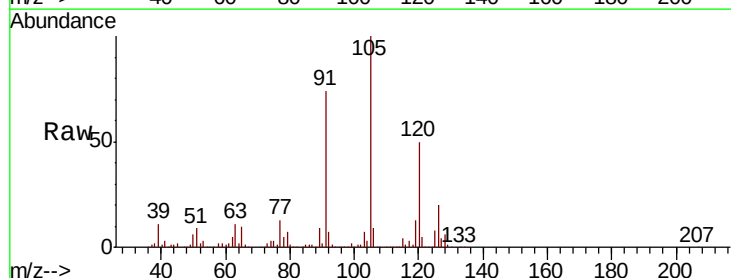
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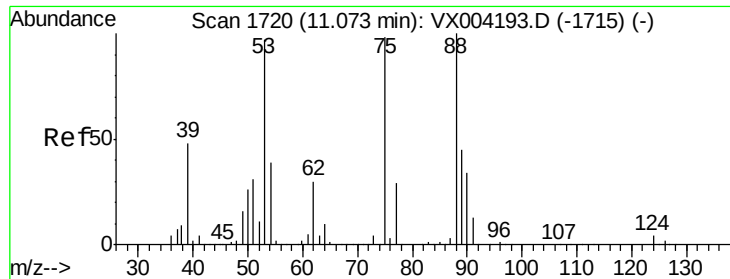
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.967 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion: 105 Resp: 304917
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.6 76.8





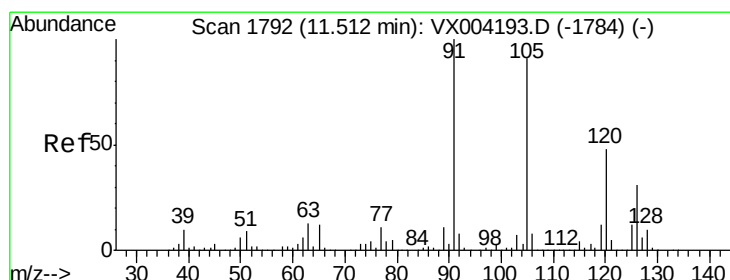
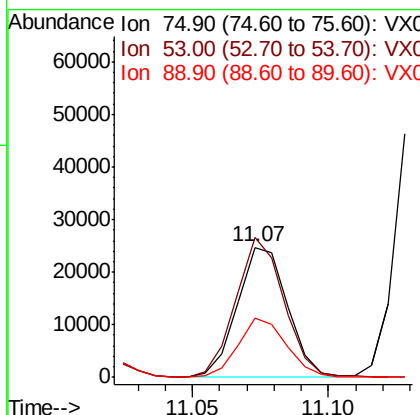
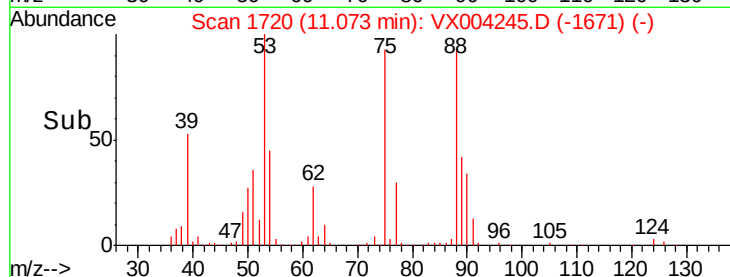
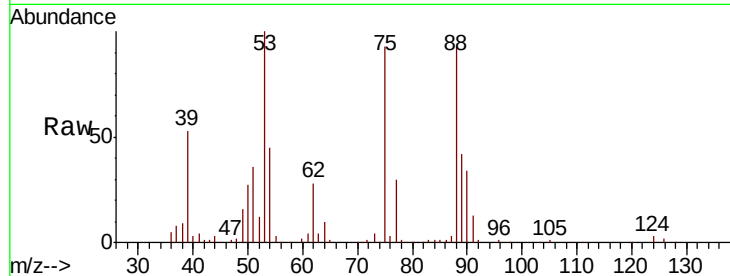
#81
trans-1,4-Dichloro-2-butene
Concen: 18.721 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion: 75 Resp: 31376
Ion Ratio Lower Upper
75 100
53 103.8 80.1 120.1
89 44.5 37.2 55.8

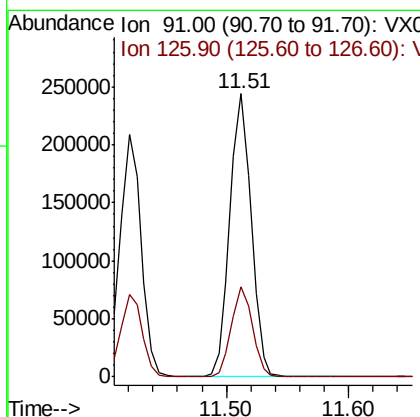
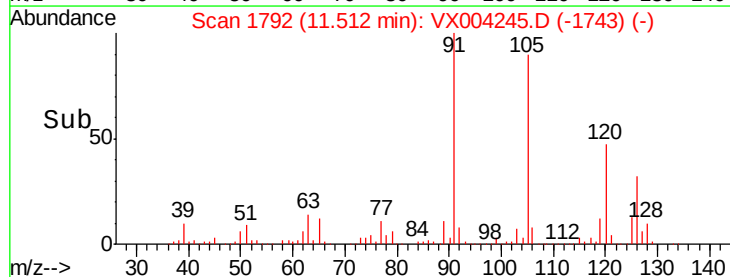
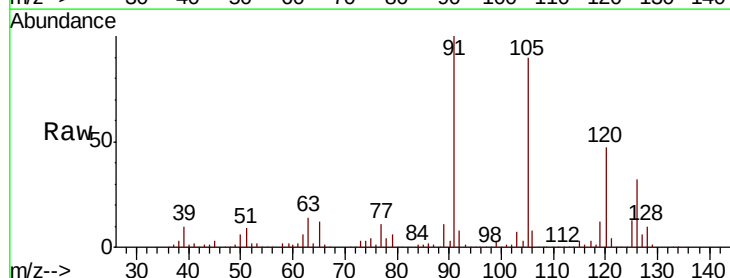
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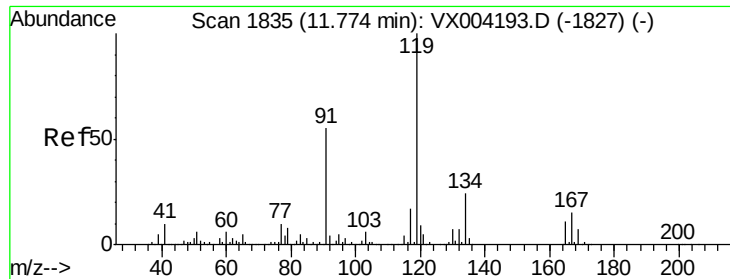
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.180 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion: 91 Resp: 295198
Ion Ratio Lower Upper
91 100
126 31.4 15.5 46.5





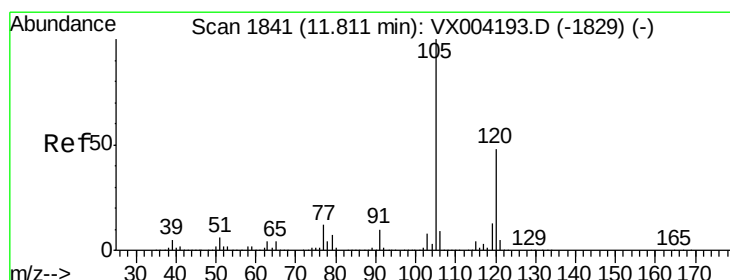
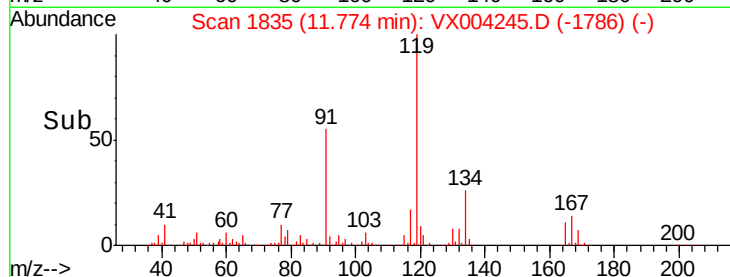
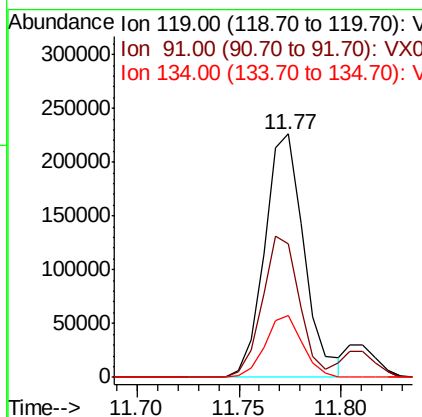
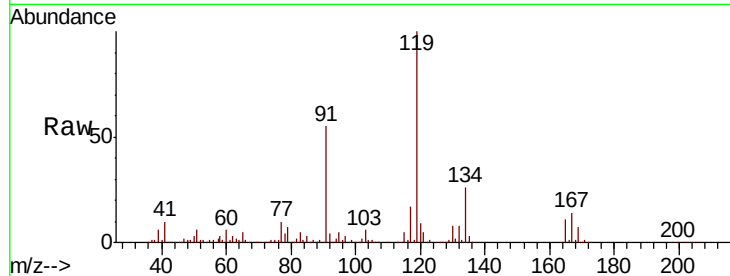
#83
 tert-Butylbenzene
 Concen: 20.790 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	304192		
91	54.9	27.0	81.0	
134	24.1	11.7	35.1	

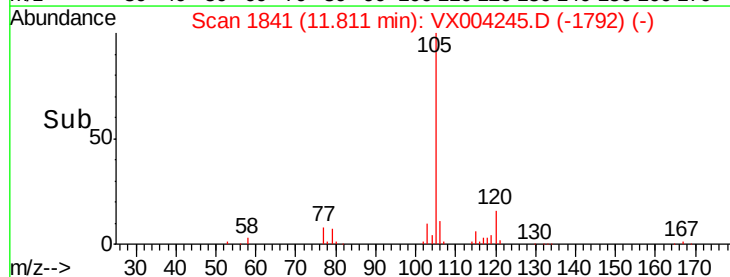
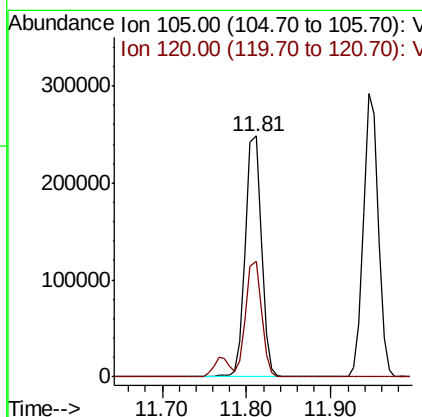
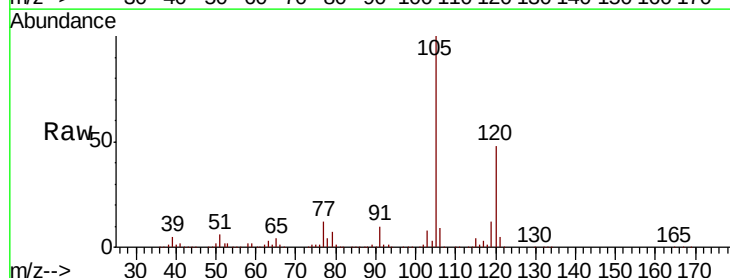
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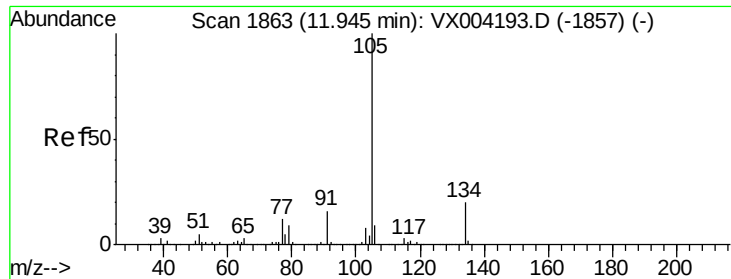
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.124 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	315340		
120	47.0	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.771 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBSD01

Tgt Ion:105 Resp: 360816

Ion Ratio Lower Upper

105 100

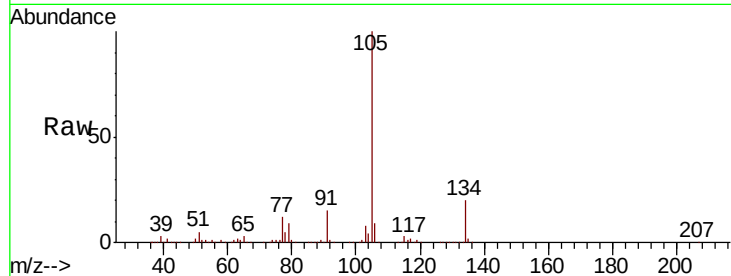
134 21.0 10.5 31.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

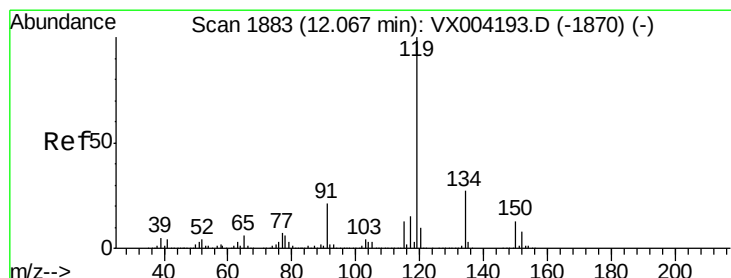
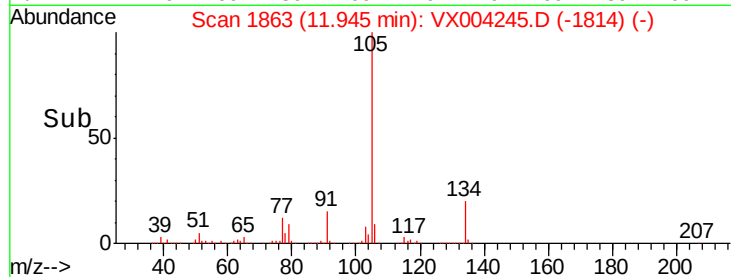
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.920 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

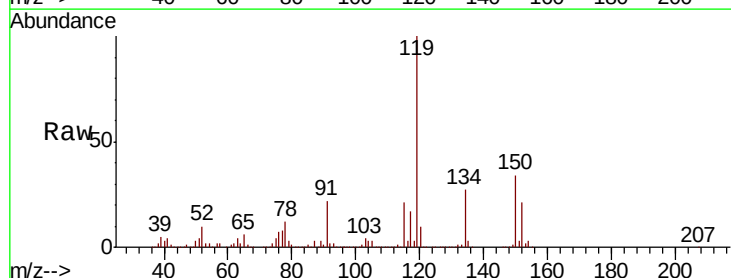
Tgt Ion:119 Resp: 325676

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.0 10.9 32.7



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

12.07

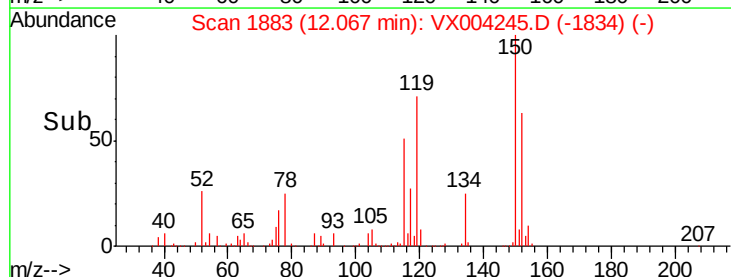
300000

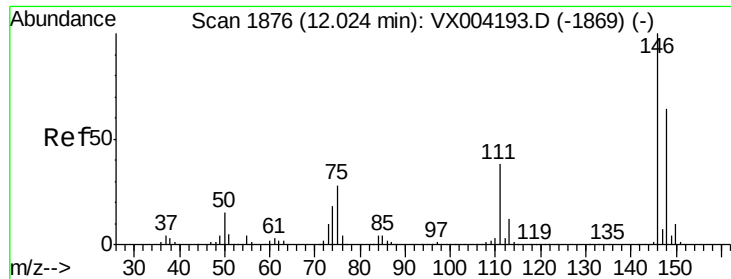
200000

100000

0

Time-->





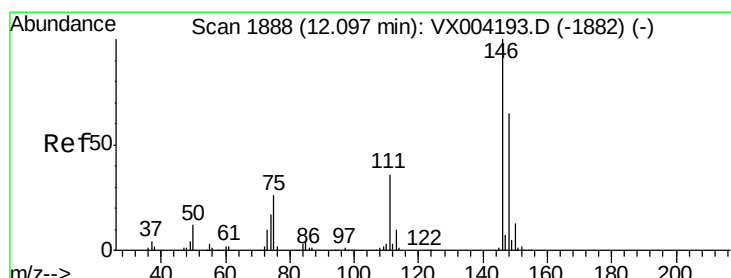
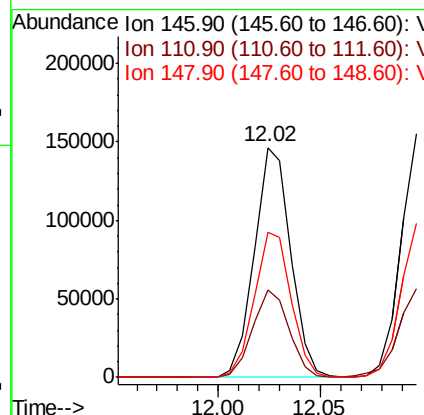
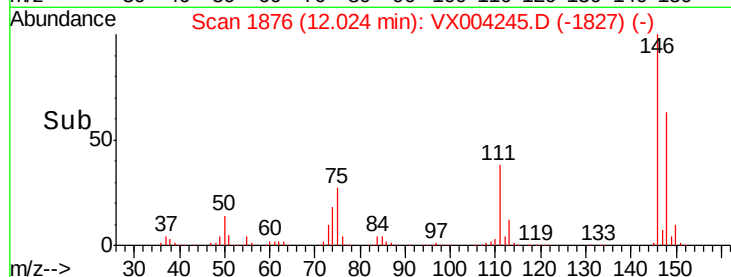
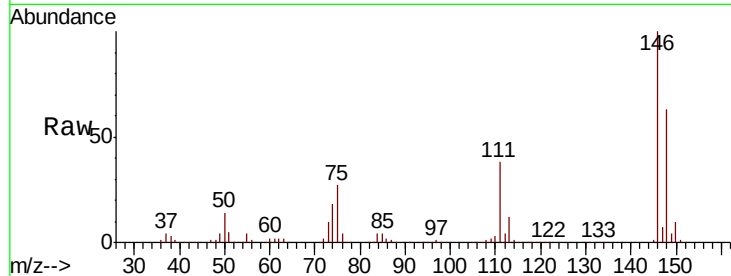
#87
 1,3-Dichlorobenzene
 Concen: 19.664 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	63.8	32.1	96.5

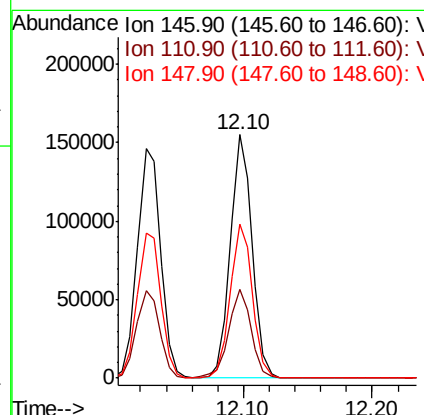
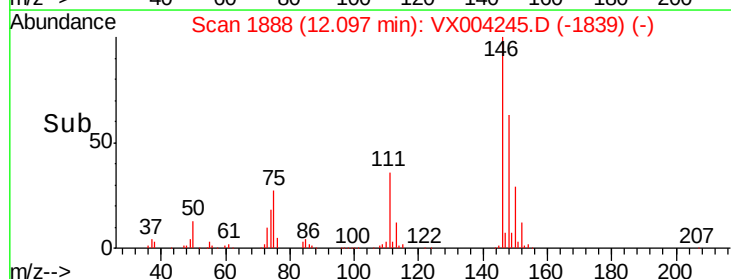
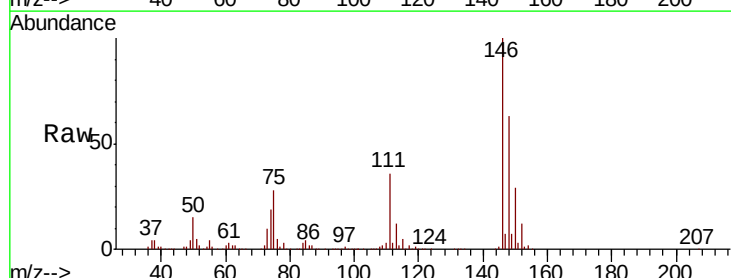
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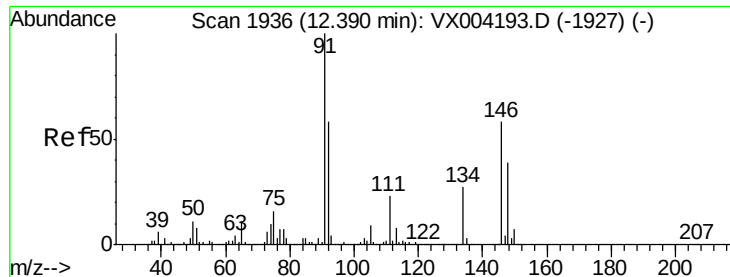
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#88
 1,4-Dichlorobenzene
 Concen: 19.008 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	64.4	32.0	96.0





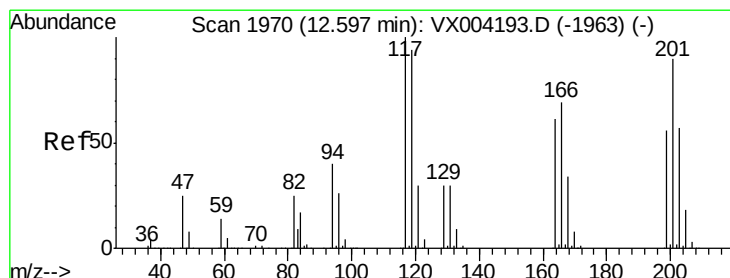
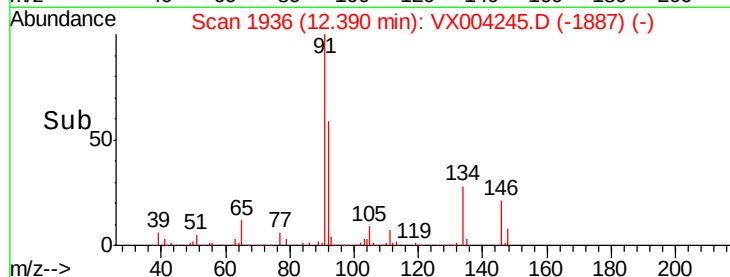
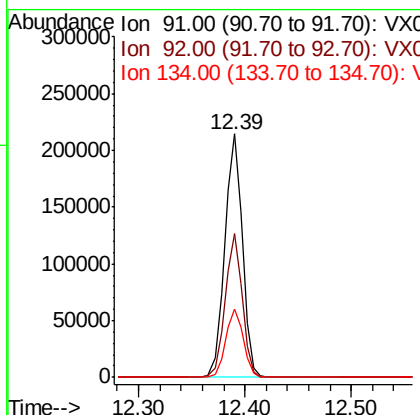
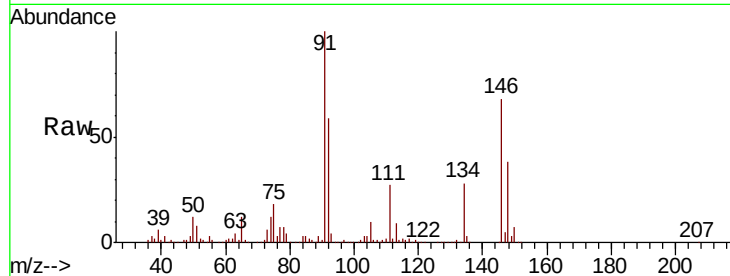
#89
n-Butylbenzene
Concen: 19.658 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	248846		
92	56.8	27.3	81.9	
134	28.1	13.6	40.7	

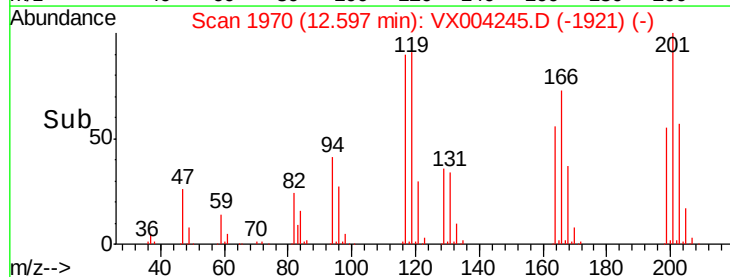
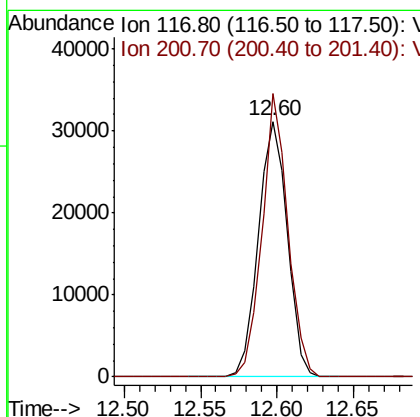
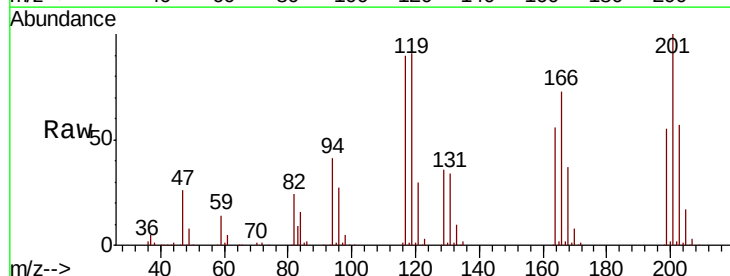
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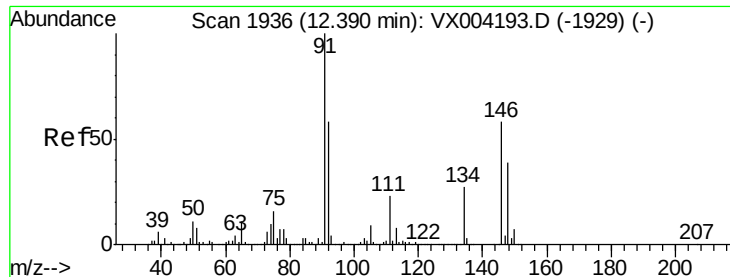
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#90
Hexachloroethane
Concen: 18.921 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004245.D
Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41170		
201	99.2	46.9	140.6	





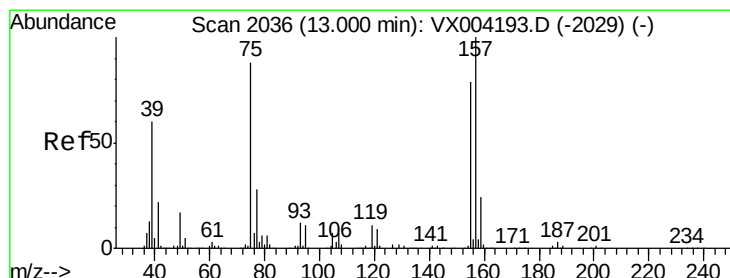
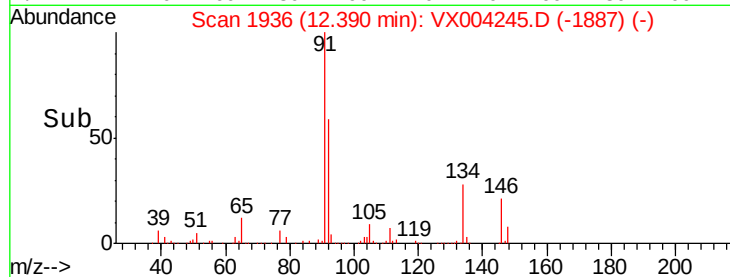
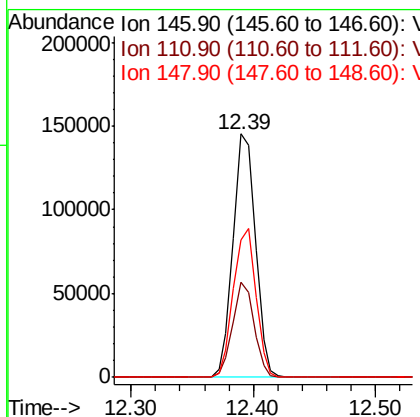
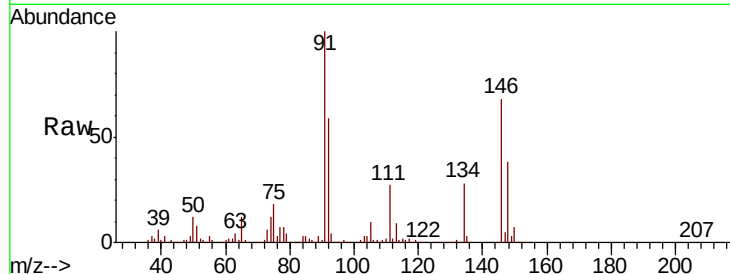
#91
 1,2-Dichlorobenzene
 Concen: 21.665 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183648		
111	37.5	19.4	58.1	
148	61.6	32.8	98.3	

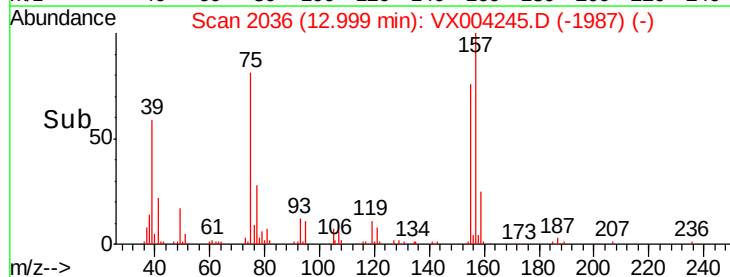
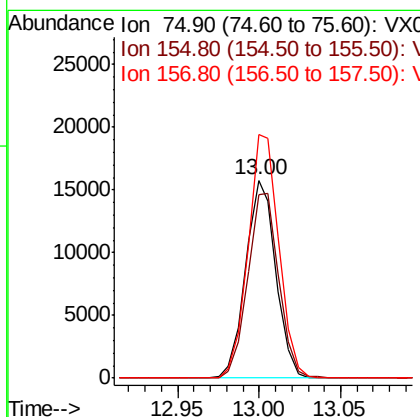
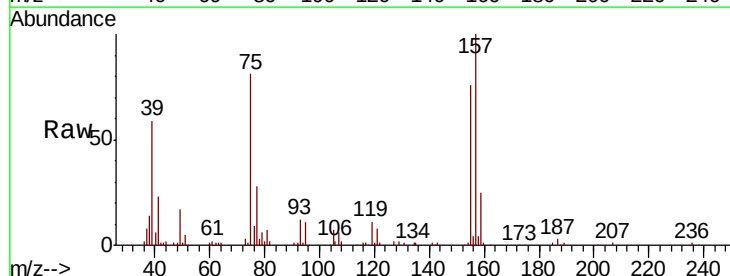
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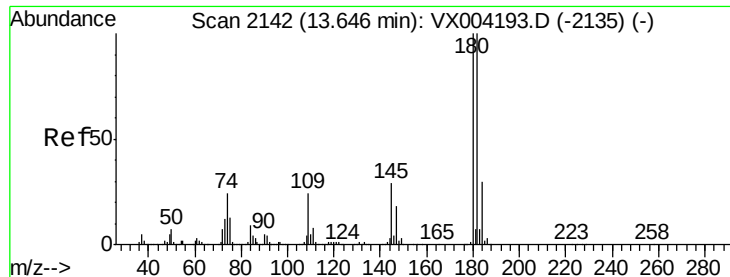
MMDadoda
 8/25/2018 11:42:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.806 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20356		
155	96.1	48.0	144.2	
157	125.7	61.4	184.1	





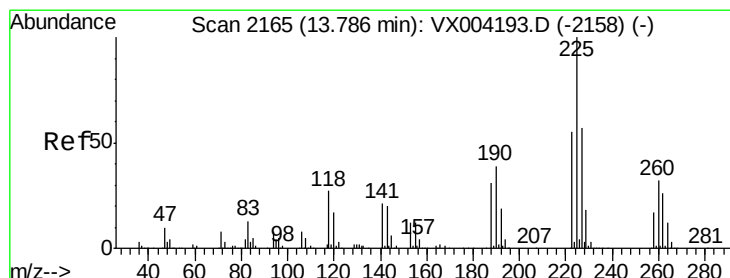
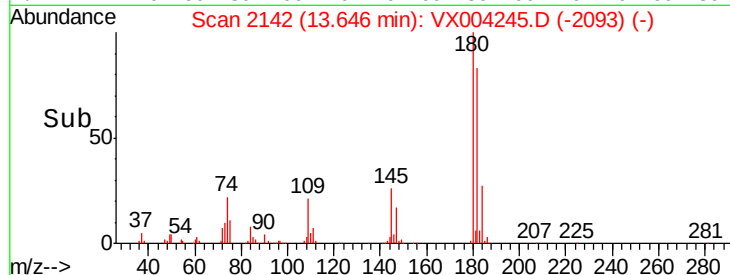
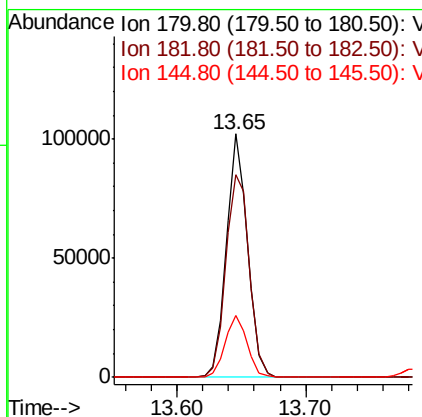
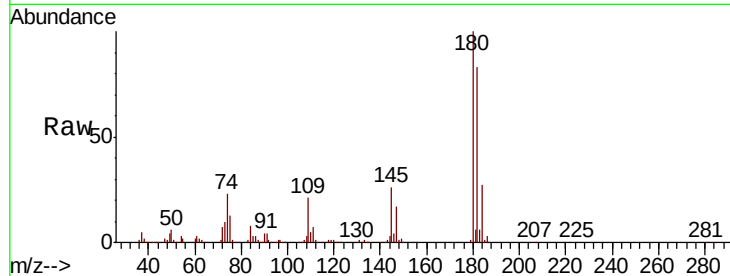
#93
 1,2,4-Trichlorobenzene
 Concen: 19.146 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118080		
182	92.2	48.4	145.0	
145	26.5	14.3	42.9	

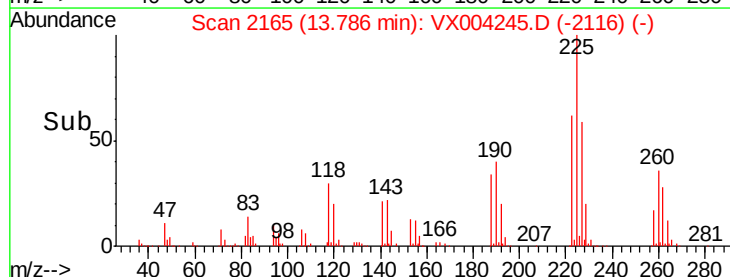
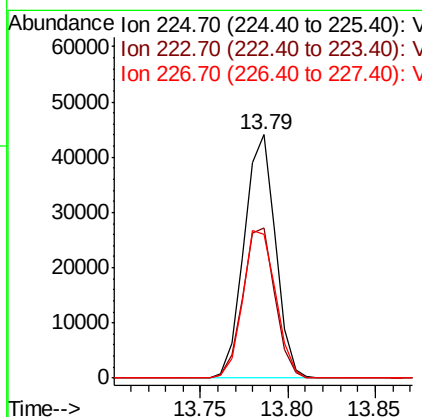
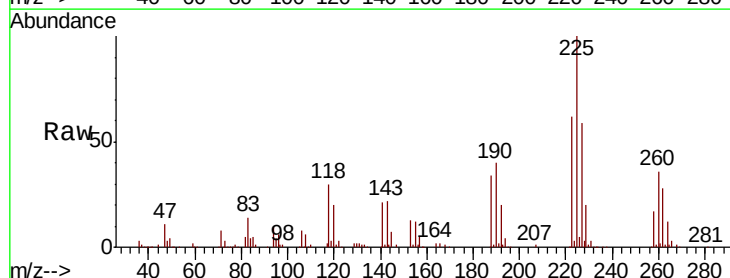
Manual Integrations
 APPROVED

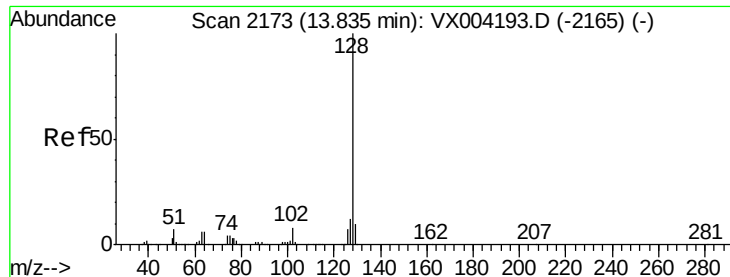
MMDadoda
 8/25/2018 11:42:52 AM



#94
 Hexachlorobutadiene
 Concen: 18.987 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004245.D
 Acq: 24 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54724		
223	63.2	30.1	90.5	
227	63.5	30.8	92.4	





#95

Naphthalene

Concen: 20.544 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Instrument :

MSVOA_X

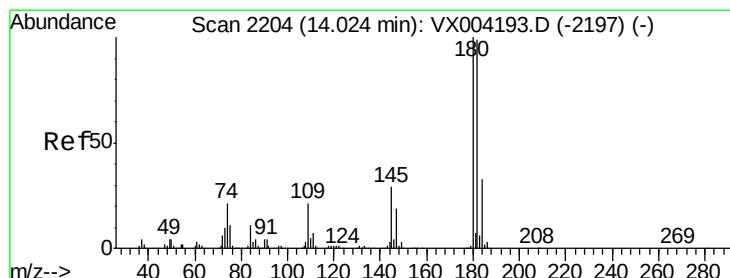
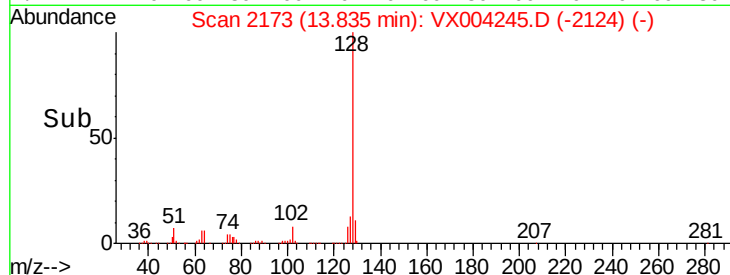
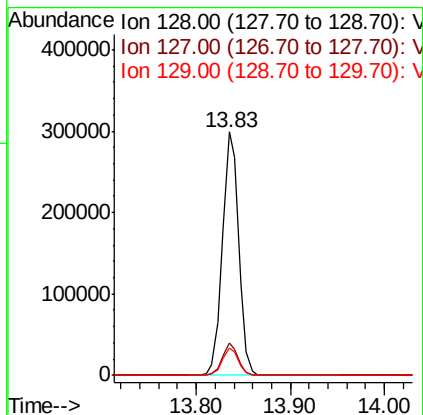
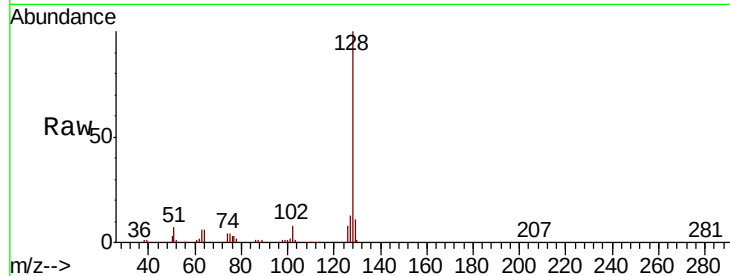
ClientSampleId :

VX0824WBSD01

Tgt Ion:	128	Resp:	358373
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.440 ug/l

RT: 14.02 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VX004245.D

Acq: 24 Aug 2018 14:29

Tgt Ion:	180	Resp:	126924
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.5	145.6
145	29.2	14.9	44.9

