

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003715.D
 Acq On : 27 Jul 2018 14:24
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:29 PM

Quant Time: Jul 28 02:19:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 14:47:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	22570	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	118315	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	110305	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	48101	31.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.00%
60) 4-Bromofluorobenzene	11.14	95	53706	30.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.00%
63) Toluene-d8	8.72	98	152478	31.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	51673	30.160	ug/l 99
3) Chloromethane	1.32	50	73267	43.058	ug/l 99
4) Vinyl Chloride	1.40	62	75454	40.669	ug/l 100
5) Bromomethane	1.64	94	44985	58.478	ug/l 99
6) Chloroethane	1.71	64	48099	43.498	ug/l 97
7) Trichlorofluoromethane	1.92	101	102191	41.344	ug/l 97
8) Diethyl Ether	2.19	74	43254	42.793	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	61415	40.591	ug/l 95
10) 1,1-Dichloroethene	2.37	96	57995	41.309	ug/l 96
11) Methyl Iodide	2.51	142	83389	56.134	ug/l 96
12) Methyl Acetate	2.78	43	113108	49.625	ug/l 98
13) Acrolein	2.29	56	48316	272.815	ug/l 99
14) Acrylonitrile	3.15	53	215306	251.005	ug/l 99
15) Acetone	2.45	58	57188	254.318	ug/l 82
16) Carbon Disulfide	2.57	76	161784	40.343	ug/l 100
17) Allyl chloride	2.73	41	123051	46.079	ug/l 93
18) Methylene Chloride	2.85	84	68531	41.596	ug/l 100
19) trans-1,2-Dichloroethene	3.16	96	63119	41.691	ug/l 96
20) Diisopropyl ether	3.88	45	231240	47.924	ug/l 98
21) 1,1-Dichloroethane	3.70	63	126749	44.790	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	67800	42.121	ug/l # 76
23) tert-Butyl Alcohol	3.08	59	90696	254.656	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	211061	45.015	ug/l 92
25) Chloroform	5.22	83	115572	45.350	ug/l 100
26) Cyclohexane	5.57	56	102288	46.303	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	85923	46.058	ug/l 100
30) 2-Butanone	4.71	43	275186	264.001	ug/l 96
31) 2,2-Dichloropropane	4.59	77	83551	41.469	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	98152	46.473	ug/l 99
33) Carbon Tetrachloride	5.78	117	84892	45.800	ug/l 94
34) Benzene	6.15	78	267621	48.717	ug/l 96
35) Methacrylonitrile	5.07	41	56848	51.549	ug/l 92
36) 1,2-Dichloroethane	6.20	62	93265	48.823	ug/l 97
37) Trichloroethene	7.22	130	67388	44.360	ug/l 89
38) Methylcyclohexane	7.46	83	98318	46.628	ug/l 98
39) 1,2-Dichloropropane	7.52	63	69793	49.171	ug/l 98
40) Dibromomethane	7.67	93	44312	47.538	ug/l 97

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Manual Integrations
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Quant Time: Jul 28 02:19:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 14:47:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	85146	48.883	ug/l	98
42) Vinyl Acetate	3.83	43	1005698	251.140	ug/l	100
43) Ethyl Acetate	4.87	43	101869	51.451	ug/l	96
44) Isopropyl Acetate	6.47	43	157179	51.794	ug/l	96
45) 1,4-Dioxane	7.76	88	34737	1072.412	ug/l #	87
46) Methyl methacrylate	7.78	41	83243	53.044	ug/l	92
47) n-amyl Acetate	10.90	43	144631	55.332	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	104558	49.322	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	96174	50.096	ug/l	94
50) 1,1,2-Trichloroethane	9.22	97	68351	48.616	ug/l	98
51) Ethyl methacrylate	9.18	69	104877	51.187	ug/l	89
52) 1,3-Dichloropropane	9.38	76	113235	49.037	ug/l	99
53) Dibromochloromethane	9.59	129	67454	48.008	ug/l	99
54) 1,2-Dibromoethane	9.68	107	70506	48.358	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	277977	287.572	ug/l	99
56) Bromoform	10.86	173	52672	49.031	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	540306	274.973	ug/l	95
59) 2-Hexanone	9.50	43	419424	278.695	ug/l	95
61) Tetrachloroethene	9.34	164	61456	36.402	ug/l	97
62) Toluene	8.79	91	287662	47.800	ug/l	99
64) Chlorobenzene	10.14	112	181780	45.614	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	65217	46.137	ug/l	99
66) Ethyl Benzene	10.26	91	314022	47.221	ug/l	100
67) m/p-Xylenes	10.36	106	245981	95.061	ug/l	99
68) o-Xylene	10.70	106	117163	47.059	ug/l	98
69) Styrene	10.71	104	201796	48.759	ug/l	97
70) Isopropylbenzene	11.02	105	318325	48.220	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	110273	53.260	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	95087m	39.265	ug/l	
73) Bromobenzene	11.26	156	82220	44.805	ug/l	99
74) n-propylbenzene	11.36	91	376988	49.029	ug/l	100
75) 2-Chlorotoluene	11.42	91	218908	47.596	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	271450	48.592	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	32498	56.192	ug/l	98
78) 4-Chlorotoluene	11.51	91	256155	47.678	ug/l	99
79) tert-butylbenzene	12.07	119	284185	48.033	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	279351	49.213	ug/l	99
81) sec-Butylbenzene	11.95	105	316425	47.877	ug/l	99
82) p-Isopropyltoluene	12.07	119	284185	48.033	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	154034	45.304	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	155302	45.256	ug/l	100
85) n-Butylbenzene	12.39	91	251551	48.426	ug/l	100
86) Hexachloroethane	12.60	117	45029	51.704	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	155037	45.616	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	24785	57.620	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	111165	45.557	ug/l	100
90) Hexachlorobutadiene	13.79	225	49495	41.398	ug/l	98
91) Naphthalene	13.83	128	355437	50.507	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	114343	46.222	ug/l	100

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MSVOA_X
ClientSampleId :
VSTDICC050

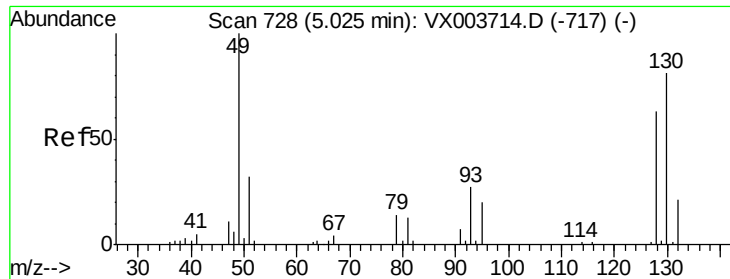
Manual Integrations
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7/30/2018 3:42:29 PM

Quant Time: Jul 28 02:19:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 14:47:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



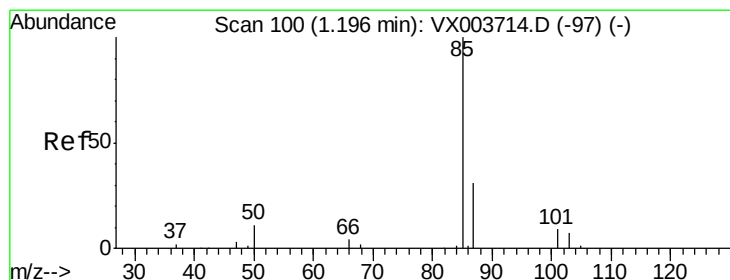
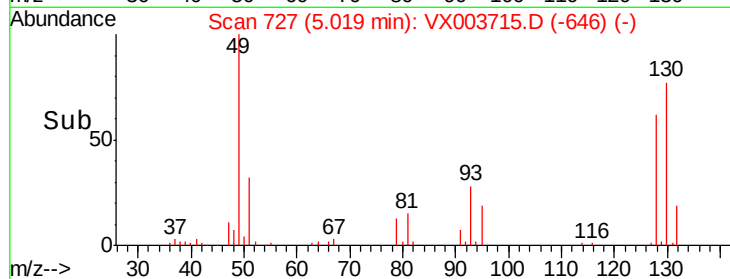
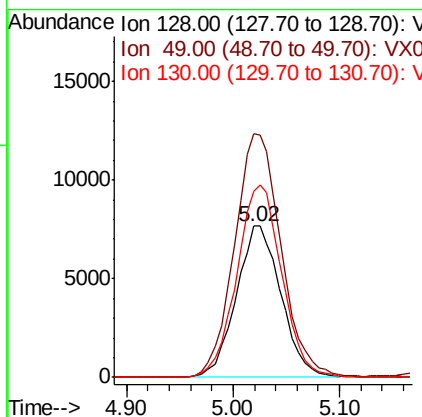
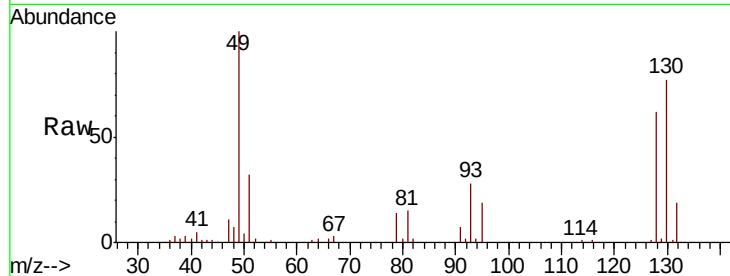
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	167.9	0.0	423.0
130	127.8	0.0	324.3

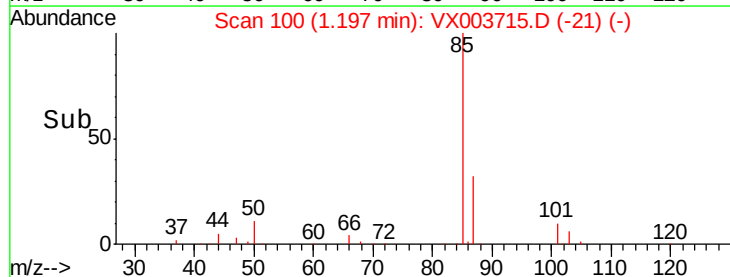
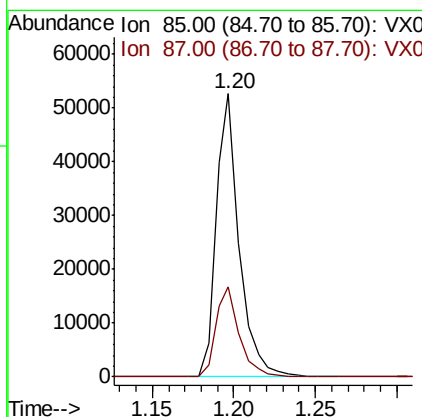
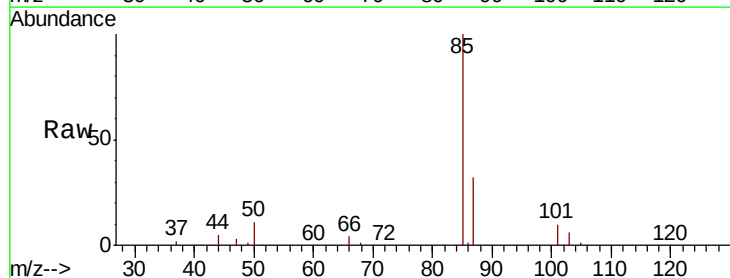
Manual Integrations
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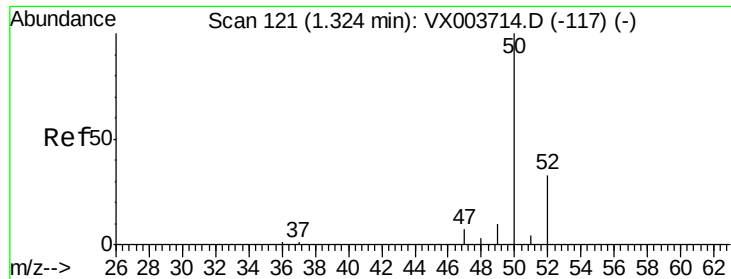
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#2
 Dichlorodifluoromethane
 Concen: 30.160 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.2	48.5





#3

Chloromethane

Concen: 43.058 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 73267

Ion Ratio Lower Upper

50 100

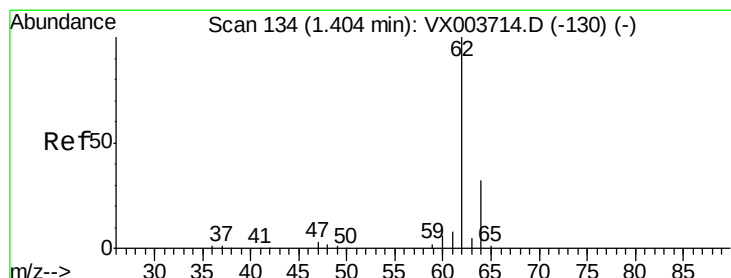
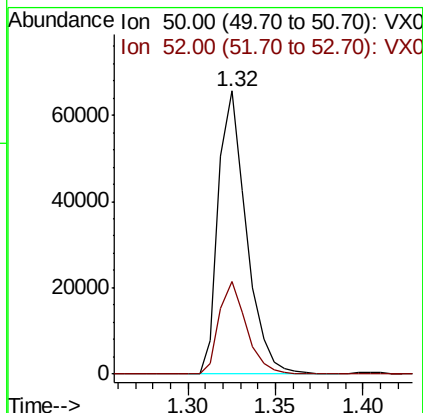
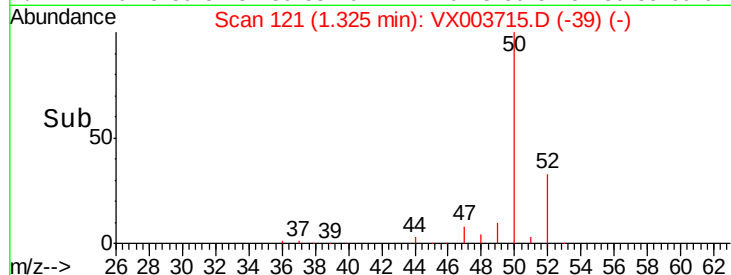
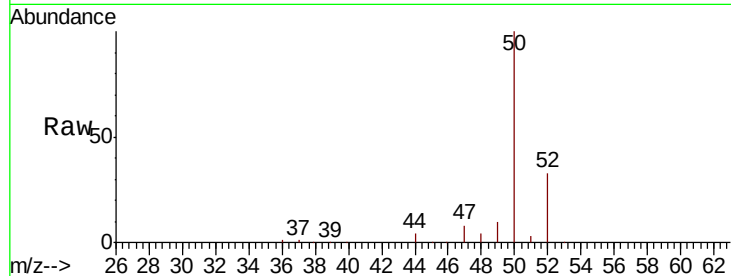
52 32.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.669 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003715.D

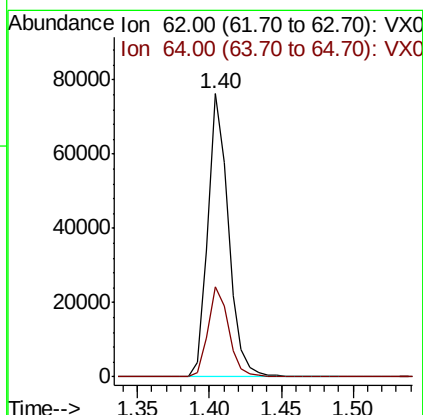
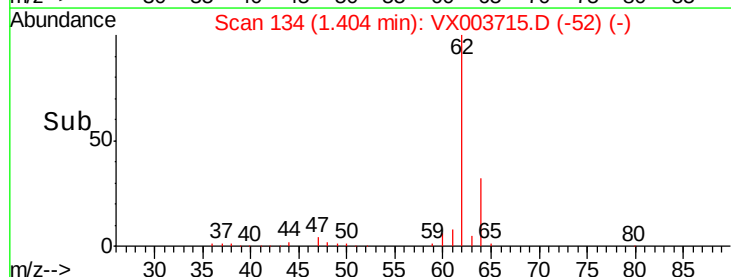
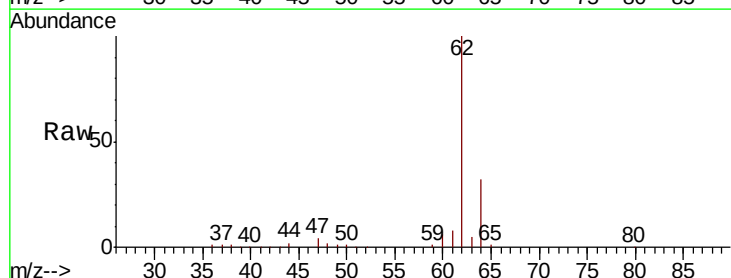
Acq: 27 Jul 2018 14:24

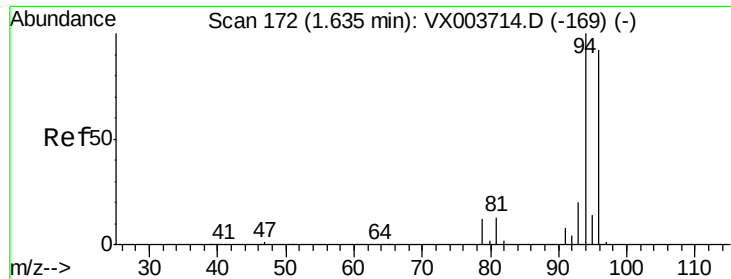
Tgt Ion: 62 Resp: 75454

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 58.478 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 94 Resp: 44985

Ion Ratio Lower Upper

94 100

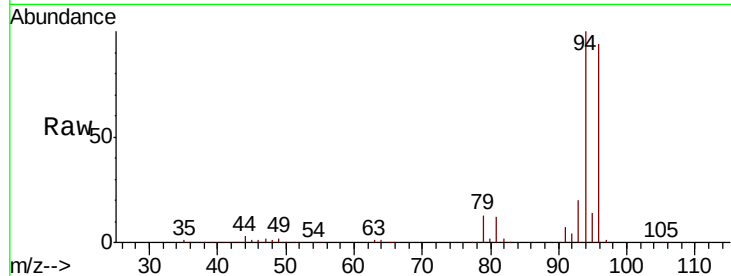
96 93.8 75.7 113.5

Manual Integrations

APPROVED

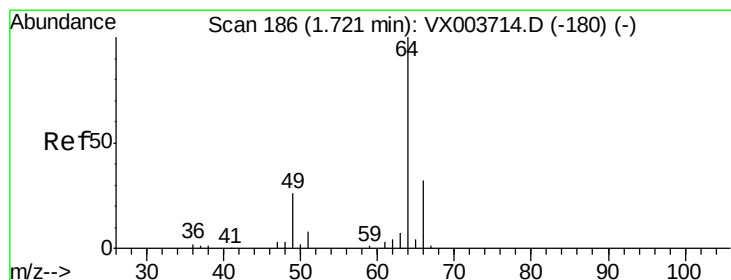
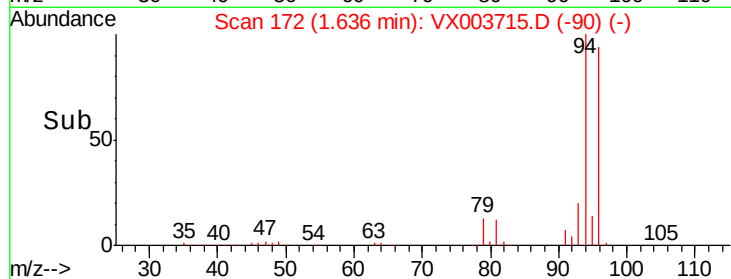
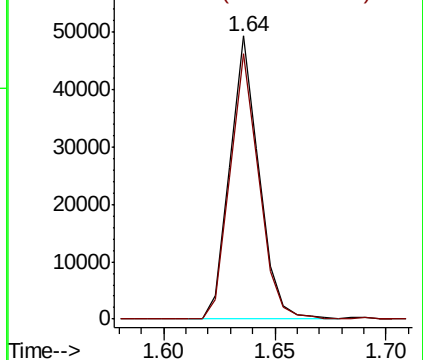
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 43.498 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003715.D

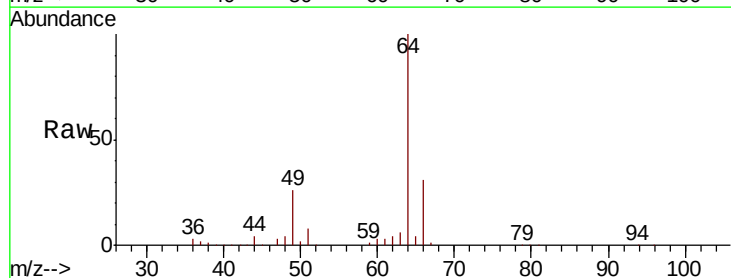
Acq: 27 Jul 2018 14:24

Tgt Ion: 64 Resp: 48099

Ion Ratio Lower Upper

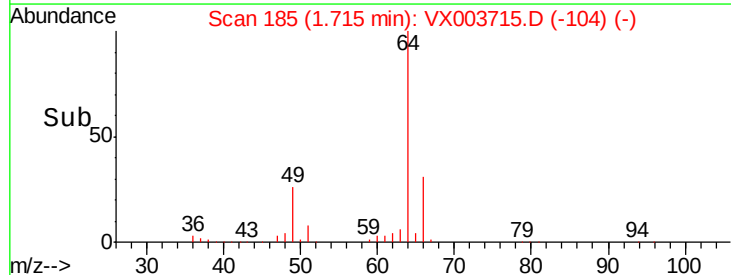
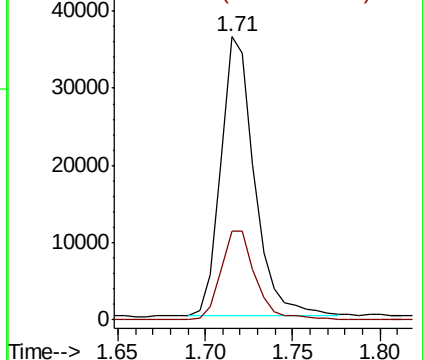
64 100

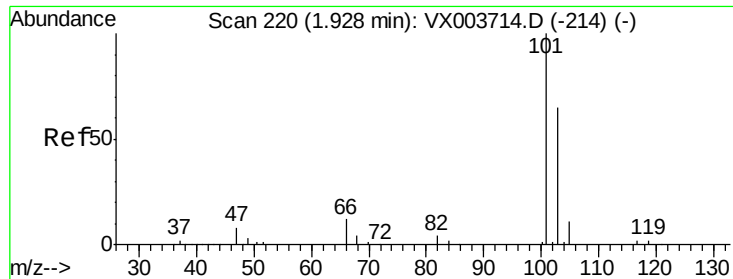
66 31.8 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

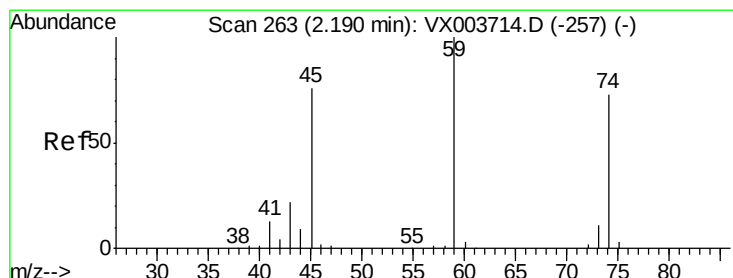
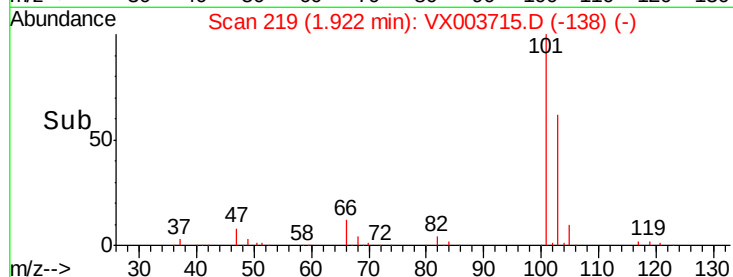
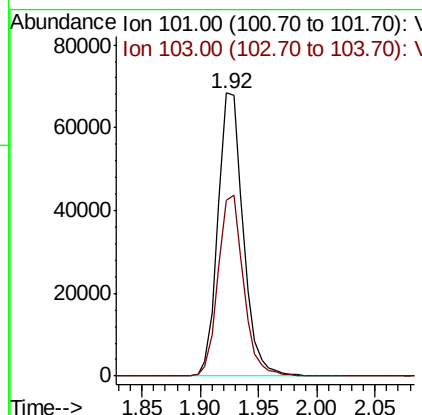
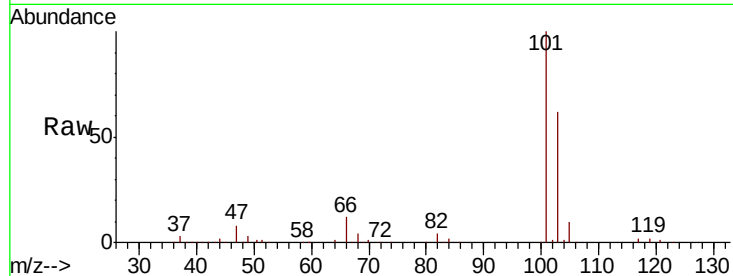
Trichlorofluoromethane
Concen: 41.344 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	102191		
103	62.2	51.5	77.3	

Manual Integrations
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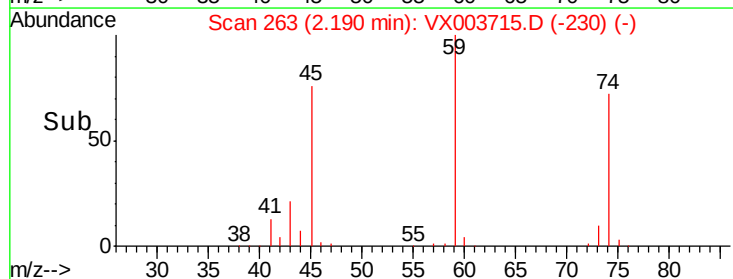
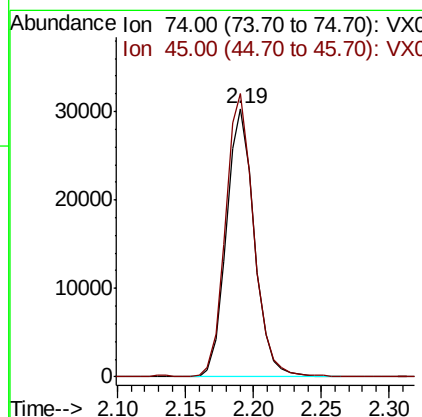
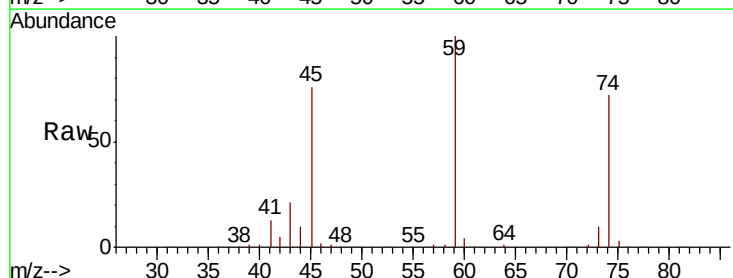
MMDadoda
7/30/2018 3:42:29 PM

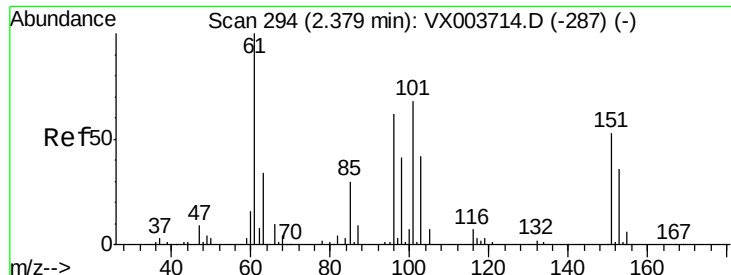


#8

Diethyl Ether
Concen: 42.793 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43254		
45	106.0	20.5	184.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.591 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

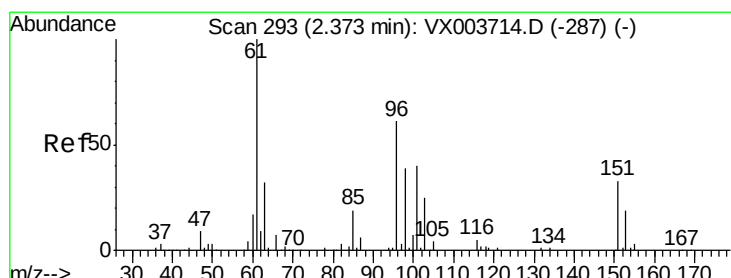
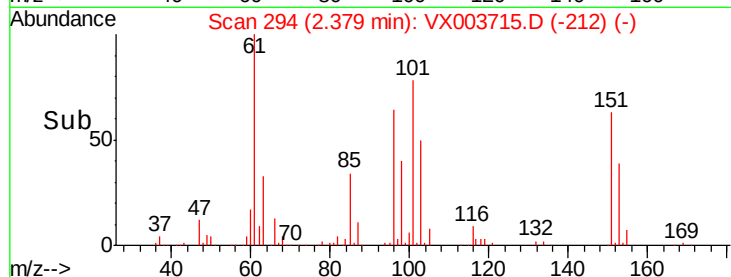
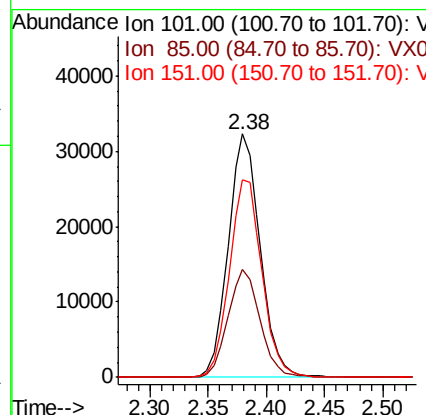
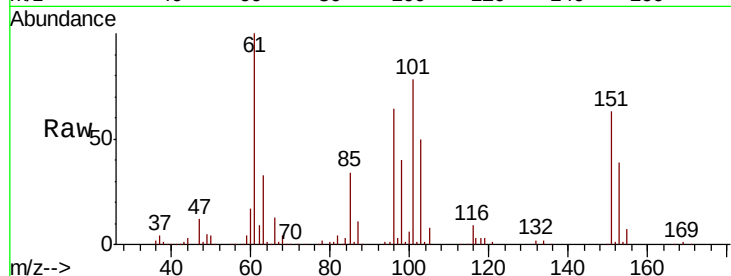
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	61415
Ion Ratio	Lower	Upper	
101	100		
85	44.3	0.0	87.0
151	82.8	0.0	177.6

Manual Integrations
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7/30/2018 3:42:29 PM



#10

1,1-Dichloroethene

Concen: 41.309 ug/l

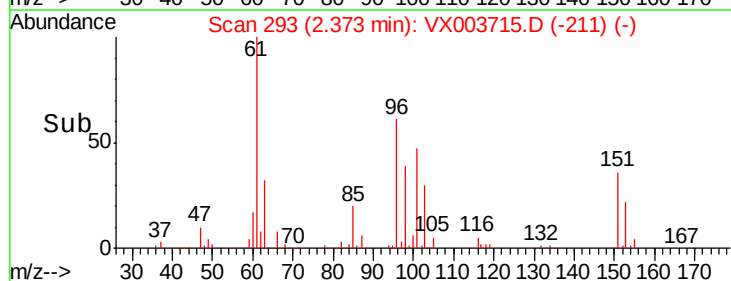
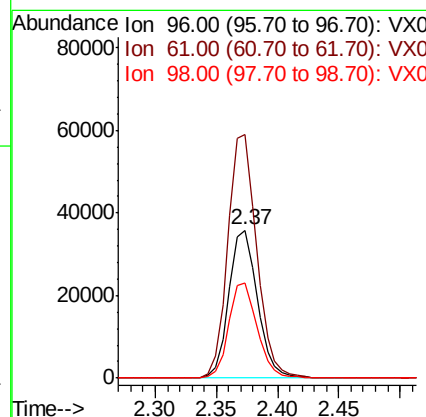
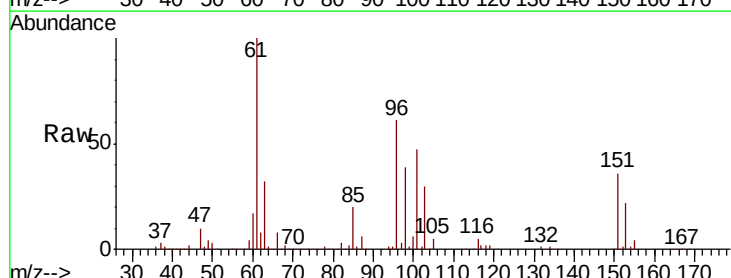
RT: 2.37 min Scan# 293

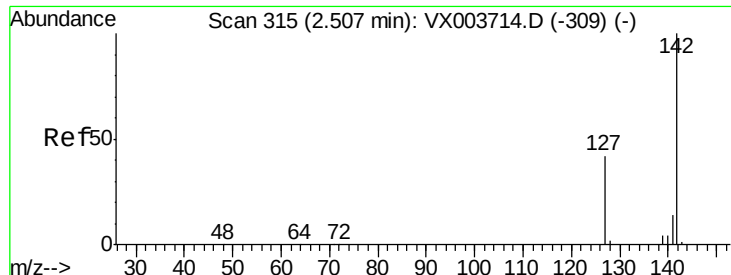
Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Tgt Ion:	96	Resp:	57995
Ion Ratio	Lower	Upper	
96	100		
61	164.5	137.5	206.3
98	64.4	51.4	77.2





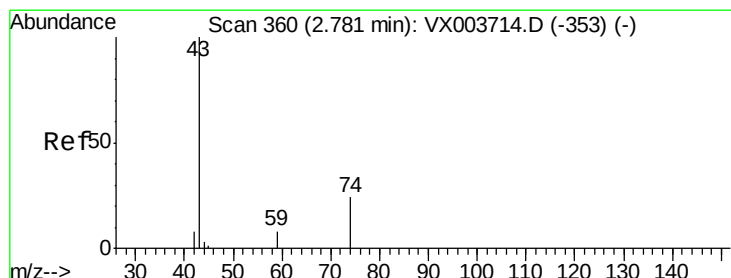
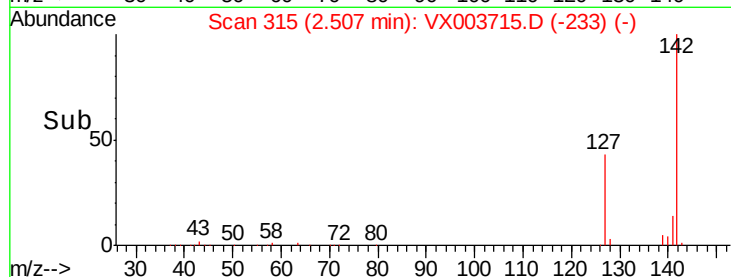
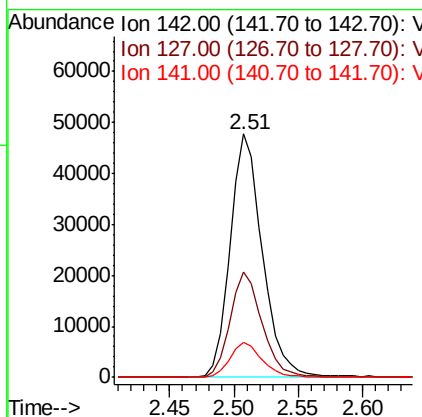
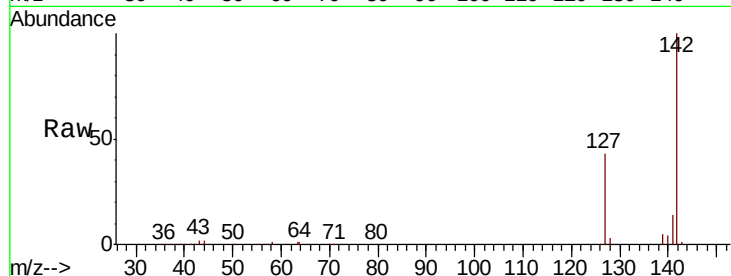
#11
Methyl Iodide
Concen: 56.134 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.4	23.2	69.6
141	14.2	7.4	22.2

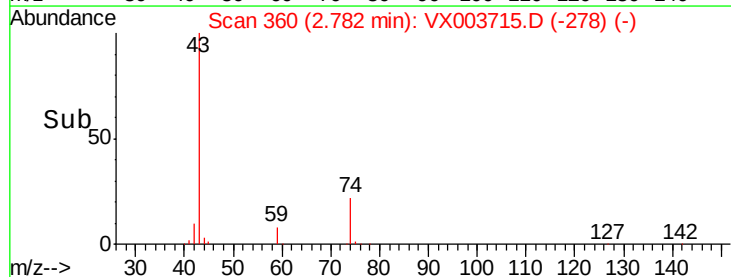
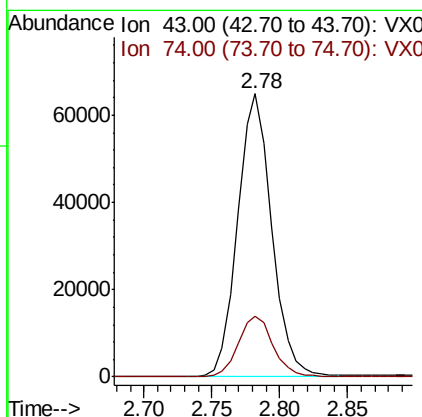
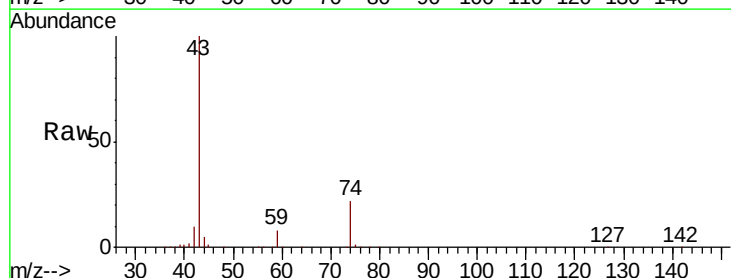
Manual Integrations
APPROVED

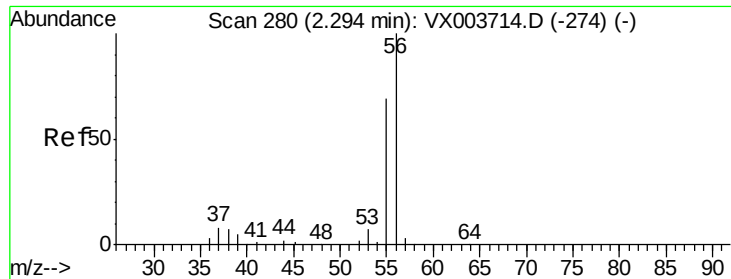
MMDadoda
7/30/2018 3:42:29 PM



#12
Methyl Acetate
Concen: 49.625 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.4	24.6





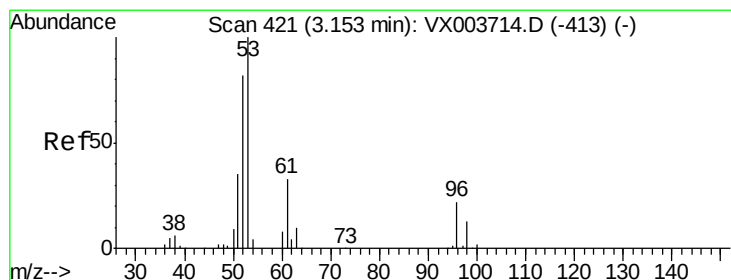
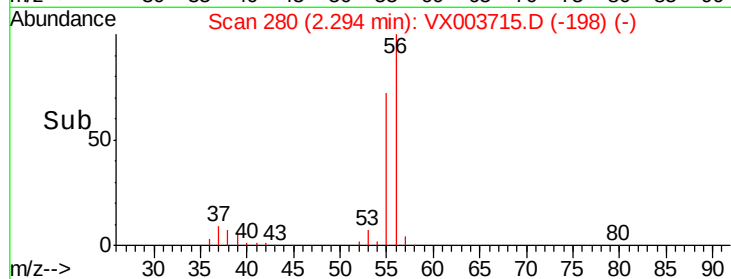
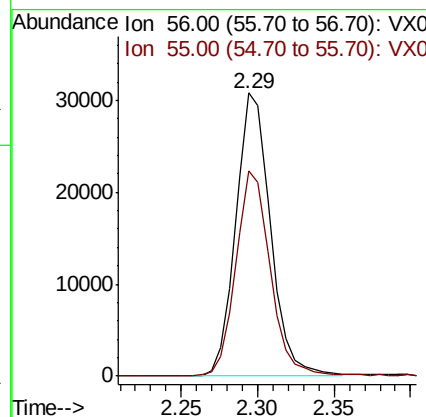
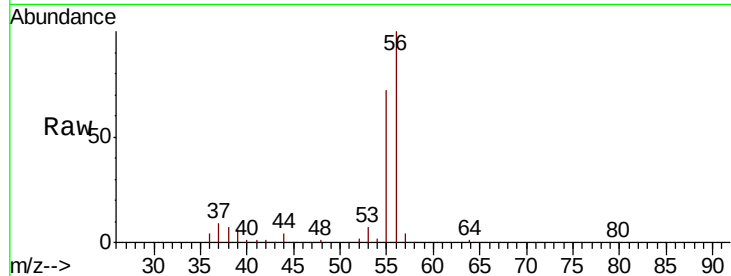
#13
 Acrolein
 Concen: 272.815 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.2	57.3	85.9	

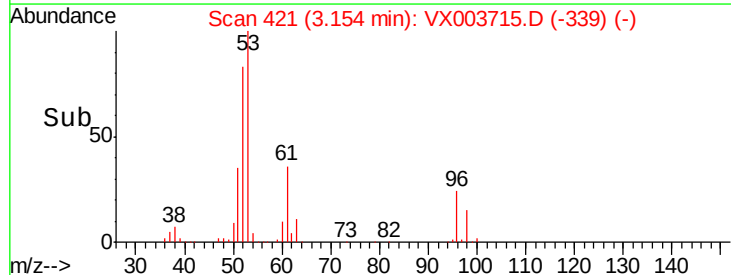
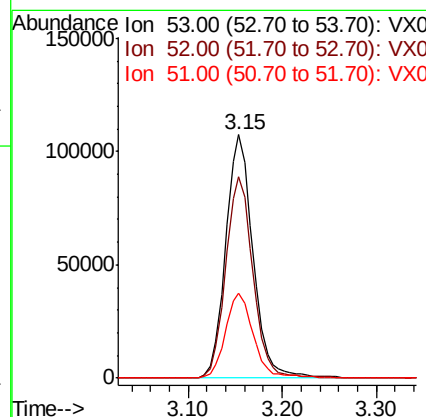
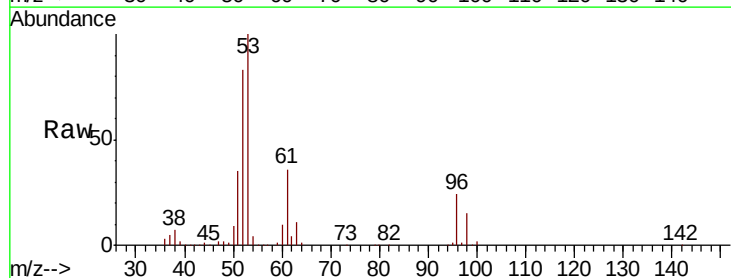
Manual Integrations
 APPROVED

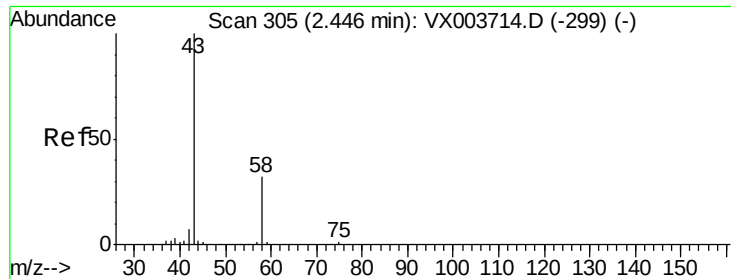
MMDadoda
 7/30/2018 3:42:29 PM



#14
 Acrylonitrile
 Concen: 251.005 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.7	41.5	124.6	
51	35.4	17.9	53.8	





#15

Acetone

Concen: 254.318 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 57188

Ion Ratio Lower Upper

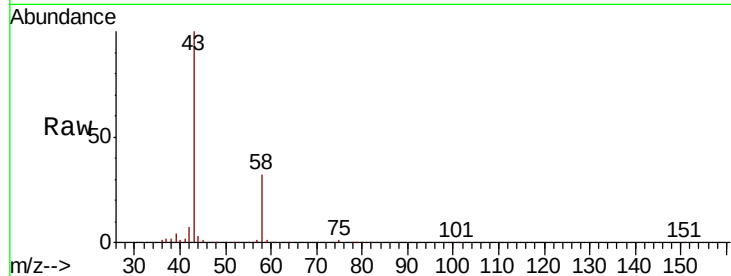
58 100

43 310.1 278.8 418.2

Manual Integrations
APPROVED

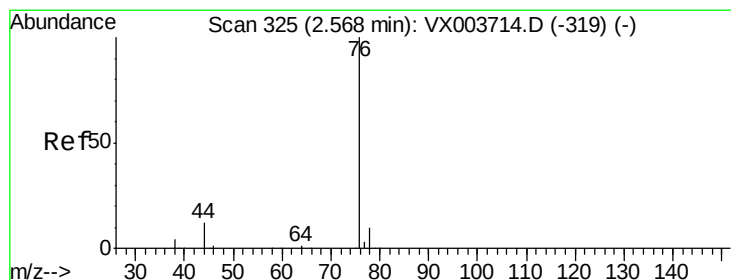
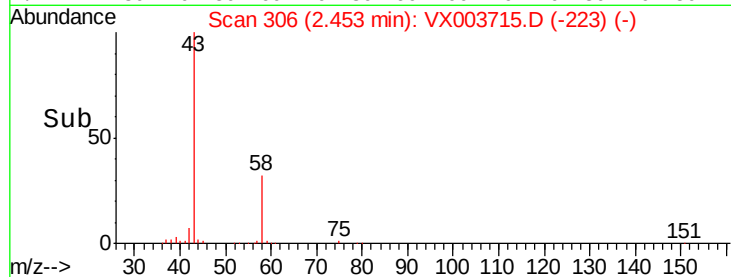
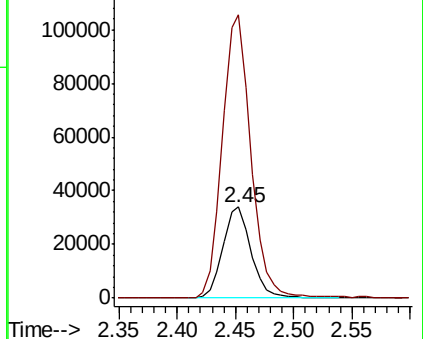
MMDadoda

7/30/2018 3:42:29 PM



Abundance Ion 58.00 (57.70 to 58.70): VX003715.D (-223) (-)

Ion 43.00 (42.70 to 43.70): VX003715.D (-223) (-)



#16

Carbon Disulfide

Concen: 40.343 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003715.D

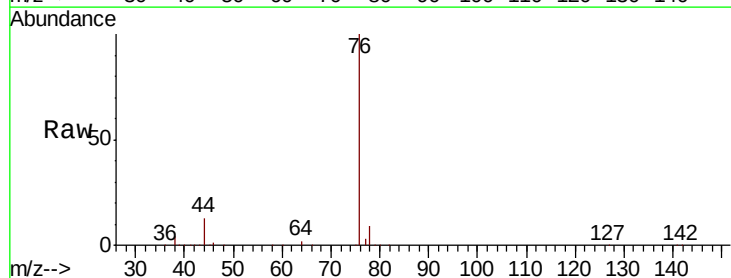
Acq: 27 Jul 2018 14:24

Tgt Ion: 76 Resp: 161784

Ion Ratio Lower Upper

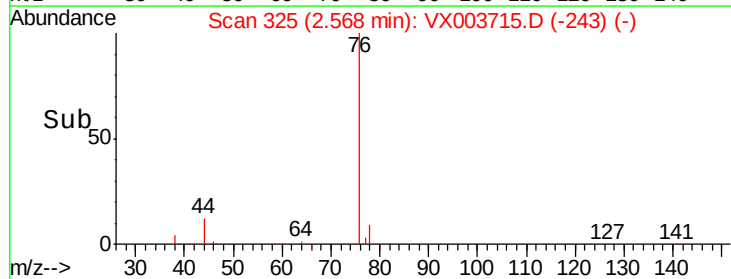
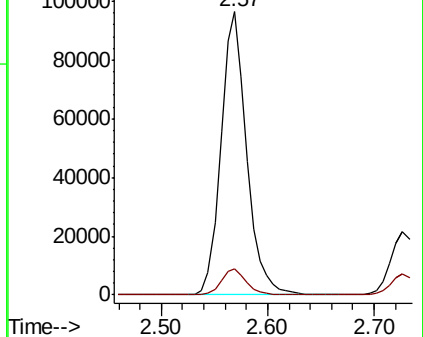
76 100

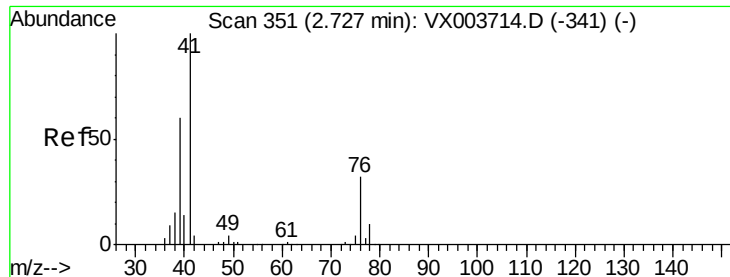
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX003715.D (-243) (-)

Ion 78.00 (77.70 to 78.70): VX003715.D (-243) (-)





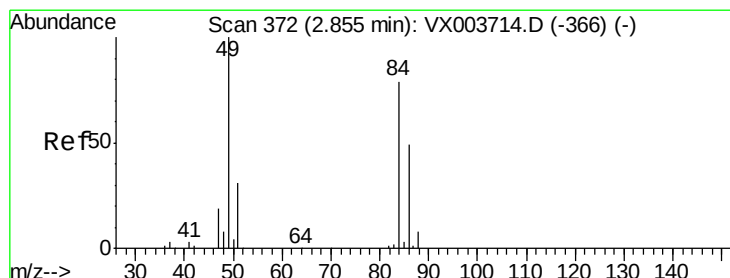
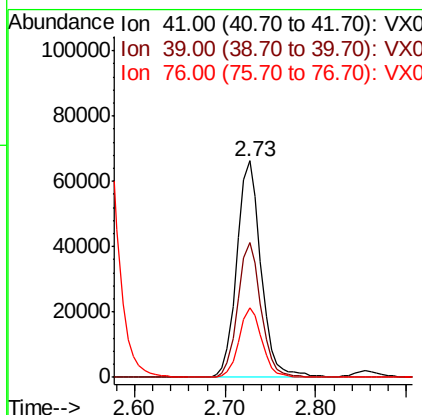
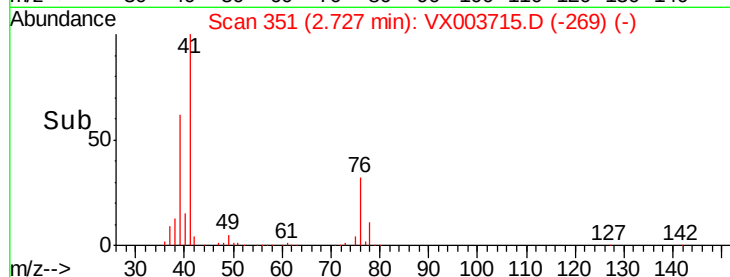
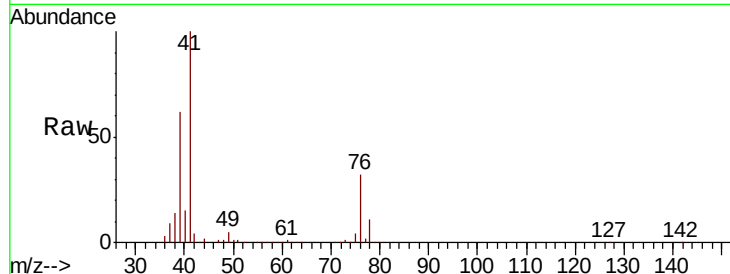
#17
Allvl chloride
Concen: 46.079 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	123051
Ion Ratio	Lower	Upper	
41	100		
39	62.0	34.6	103.8
76	32.3	15.0	45.1

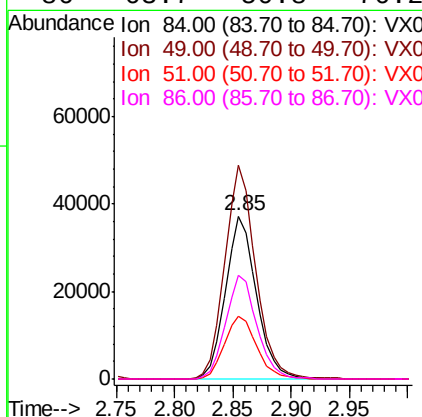
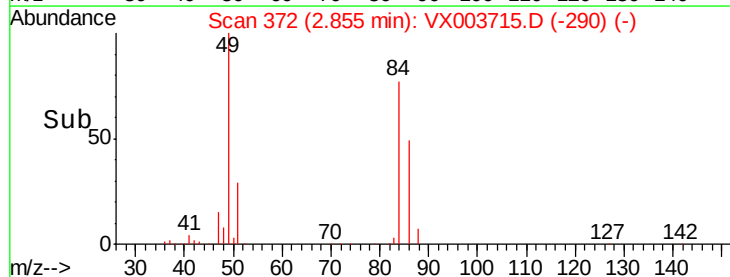
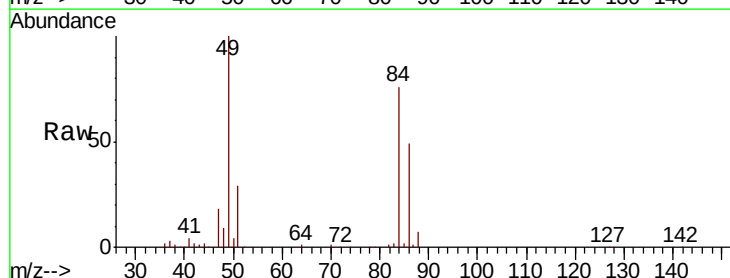
Manual Integrations
APPROVED

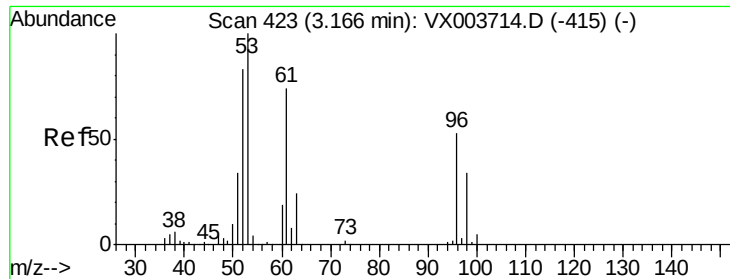
MMDadoda
7/30/2018 3:42:29 PM



#18
Methylene Chloride
Concen: 41.596 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion:	84	Resp:	68531
Ion Ratio	Lower	Upper	
84	100		
49	131.1	104.7	157.1
51	38.3	31.0	46.4
86	63.7	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 41.691 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 96 Resp: 63119

Ion Ratio Lower Upper

96 100

61 150.3 114.6 172.0

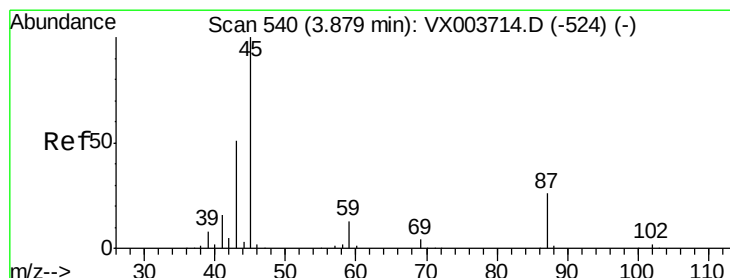
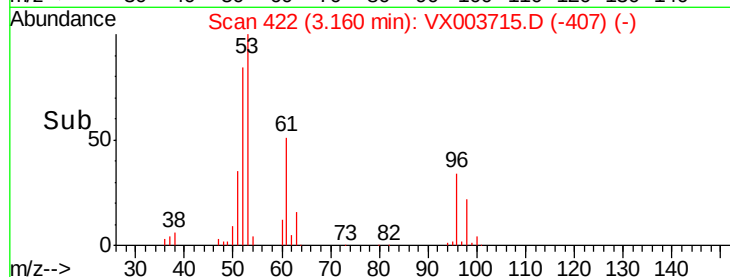
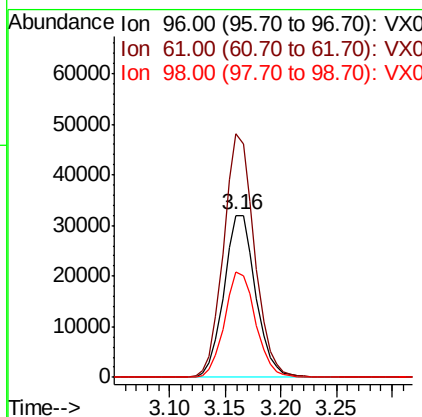
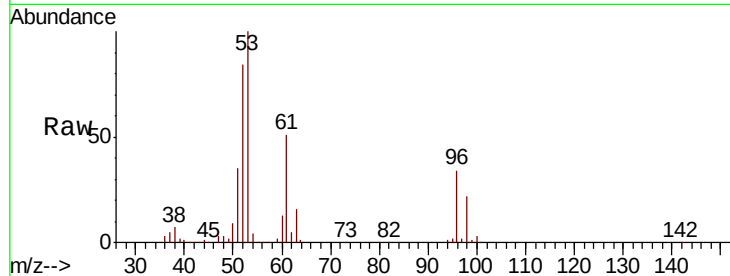
98 64.7 51.3 76.9

Manual Integrations

APPROVED

MMDadoda

7/30/2018 3:42:29 PM



#20

Diisopropyl ether

Concen: 47.924 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Tgt Ion: 45 Resp: 231240

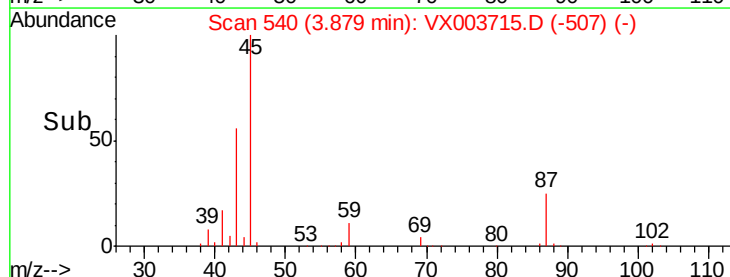
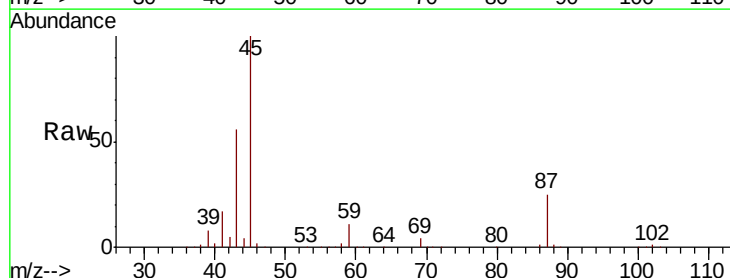
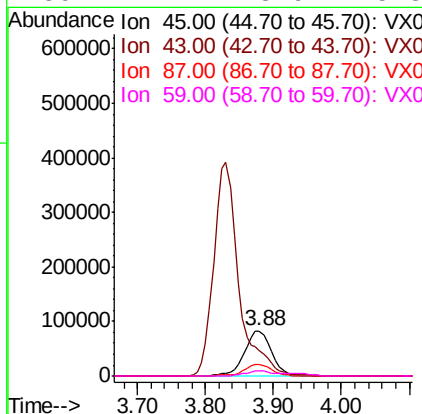
Ion Ratio Lower Upper

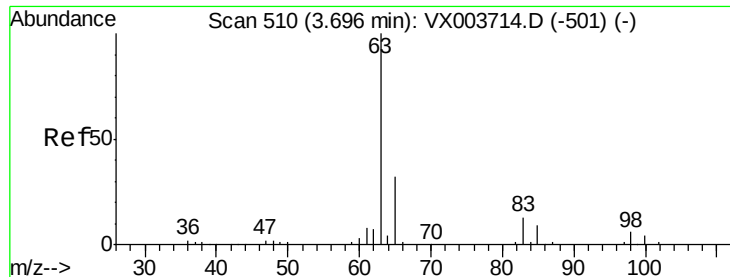
45 100

43 55.6 45.6 68.4

87 25.0 20.7 31.1

59 11.1 8.9 13.3





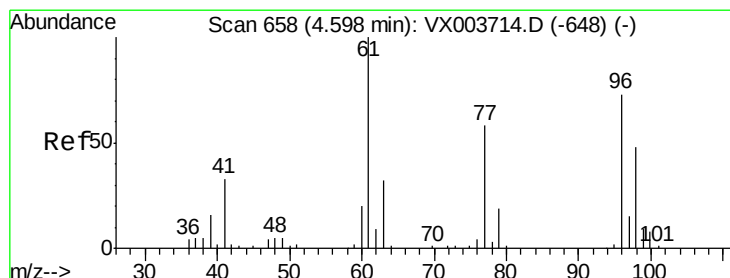
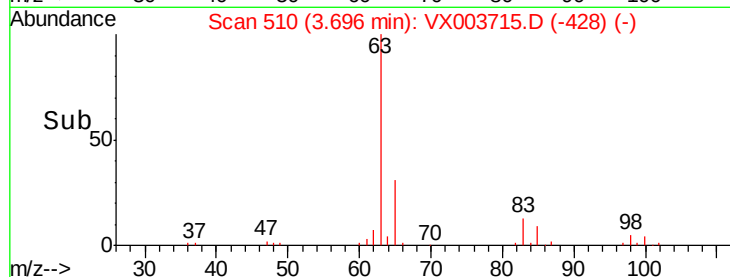
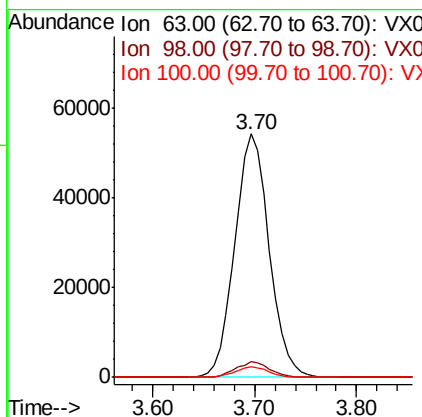
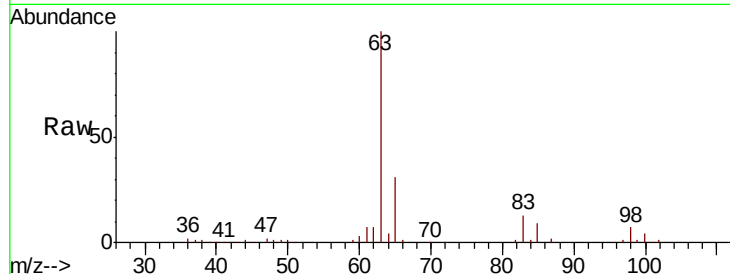
#21
 1,1-Dichloroethane
 Concen: 44.790 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:	63	Resp:	126749
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.1	9.3
100	4.2	2.2	6.6

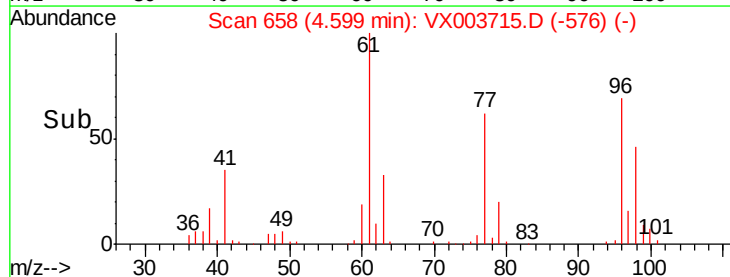
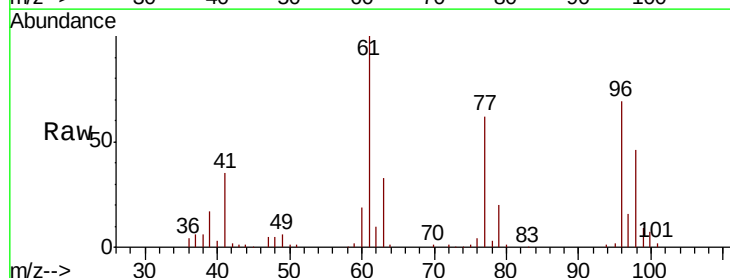
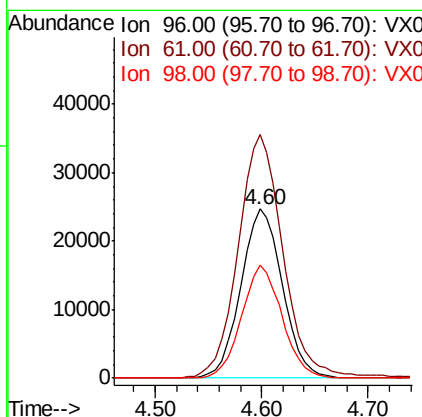
Manual Integrations
 APPROVED

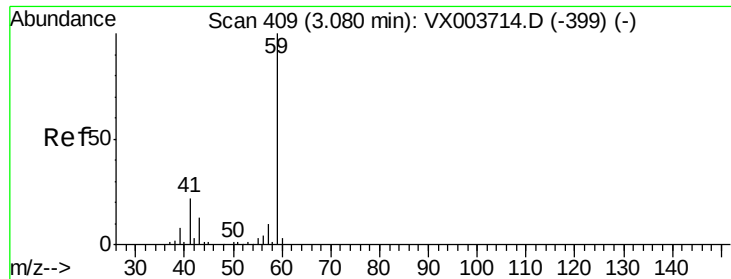
MMDadoda
 7/30/2018 3:42:29 PM



#22
 cis-1,2-Dichloroethene
 Concen: 42.121 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion:	96	Resp:	67800
Ion Ratio	Lower	Upper	
96	100		
61	154.0	160.2	240.2#
98	65.0	54.1	81.1





#23

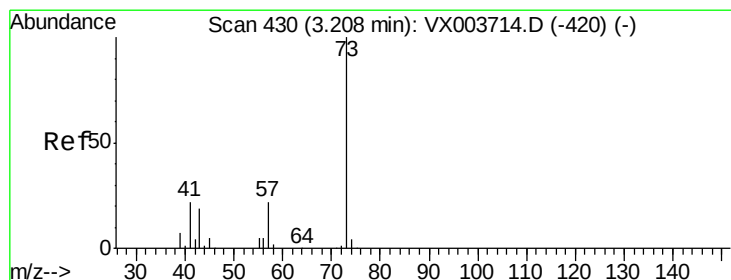
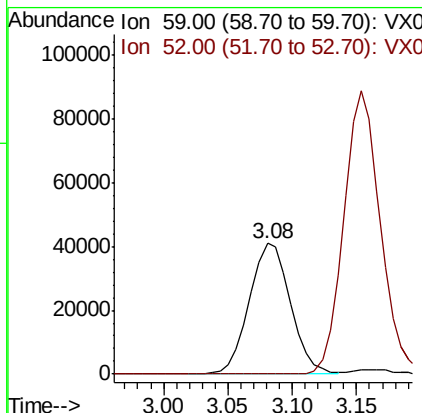
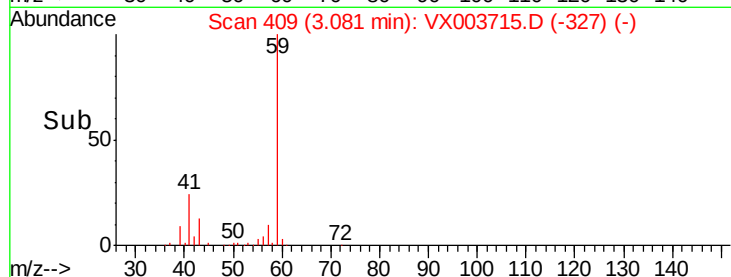
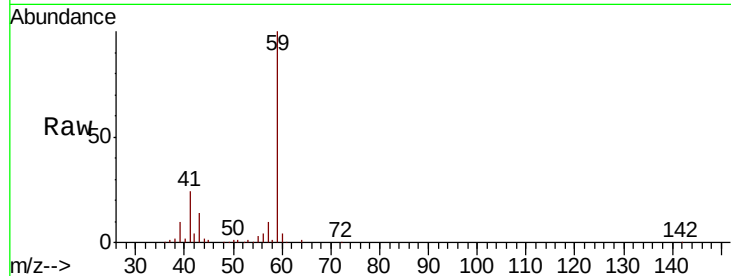
tert-Butyl Alcohol
Concen: 254.656 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.1		0.2	0.2#	

Manual Integrations
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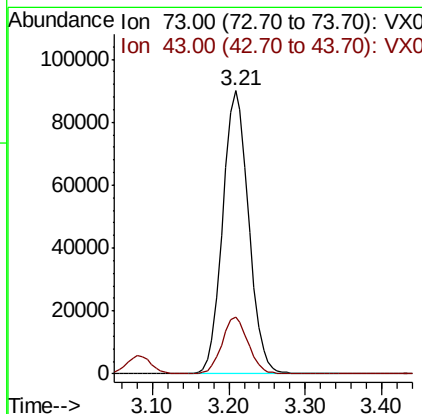
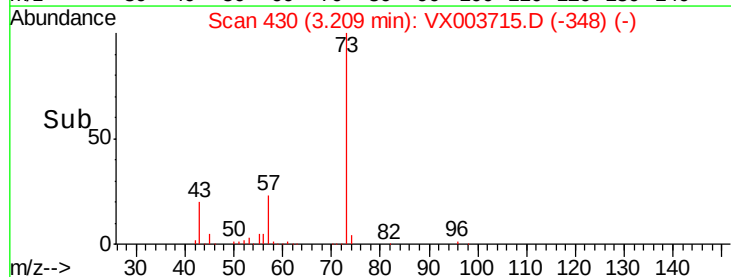
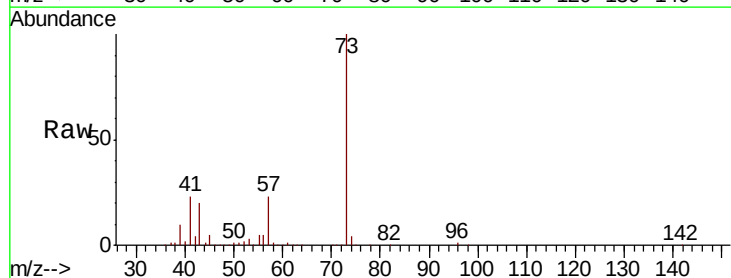
MMDadoda
7/30/2018 3:42:29 PM

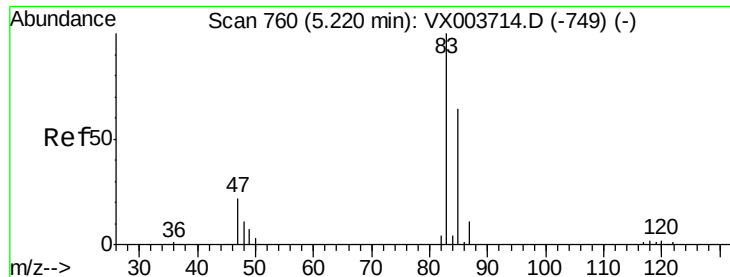


#24

Methyl tert-Butyl Ether
Concen: 45.015 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	19.9		19.0	28.4	





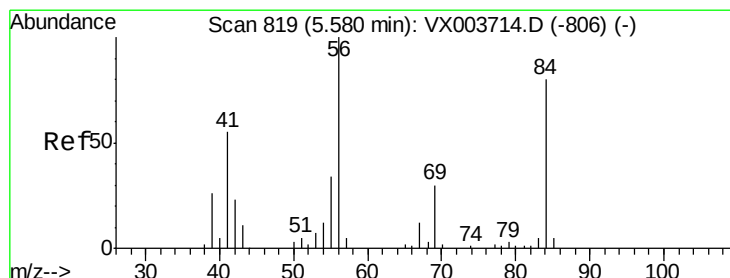
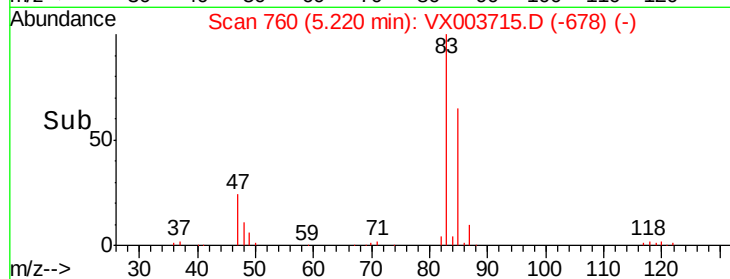
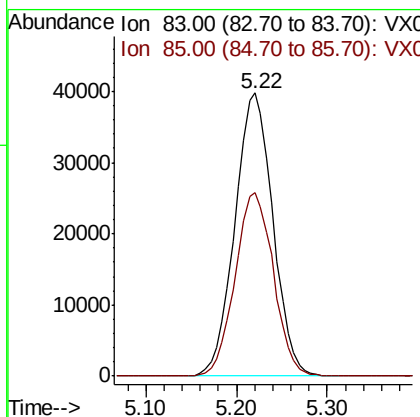
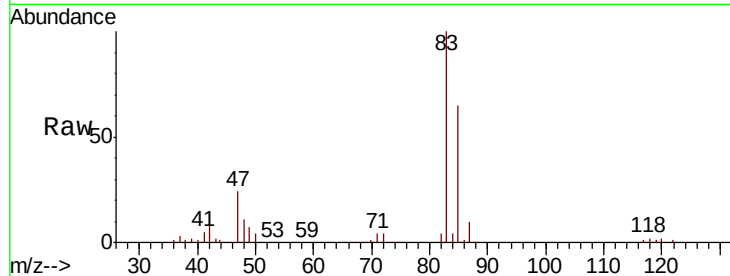
#25
Chloroform
Concen: 45.350 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion: 83 Resp: 115572
Ion Ratio Lower Upper
83 100
85 64.8 51.9 77.9

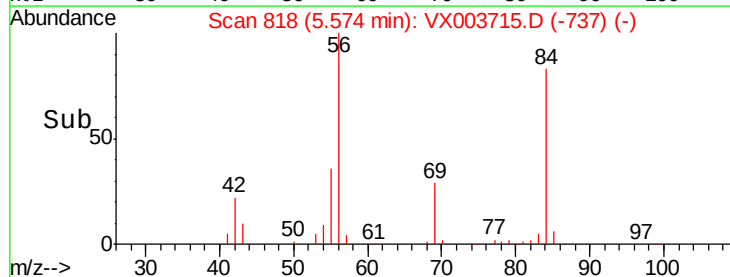
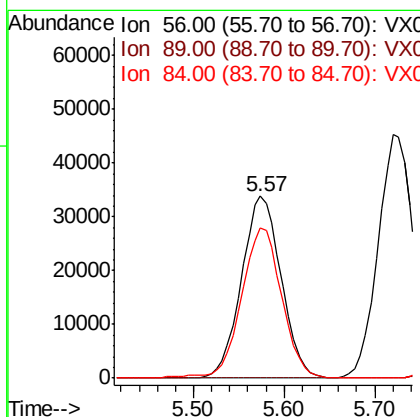
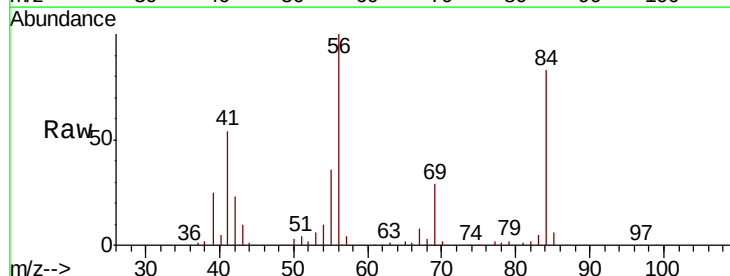
Manual Integrations
APPROVED

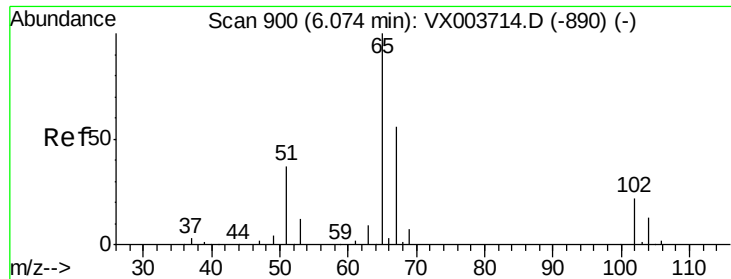
MMDadoda
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#26
Cyclohexane
Concen: 46.303 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion: 56 Resp: 102288
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 82.8 64.9 97.3





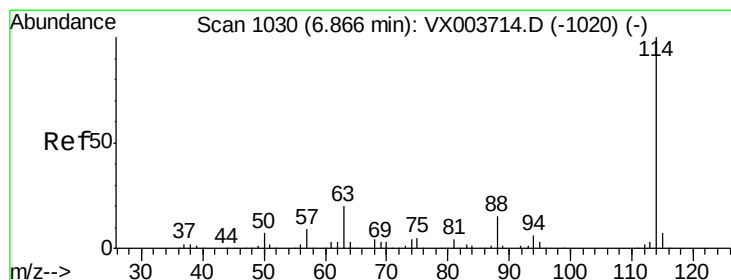
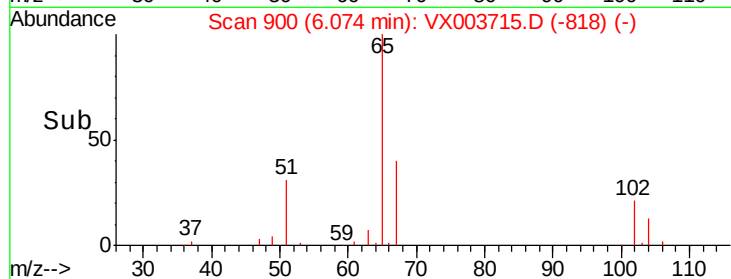
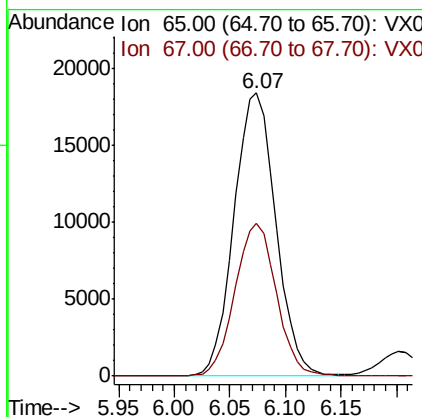
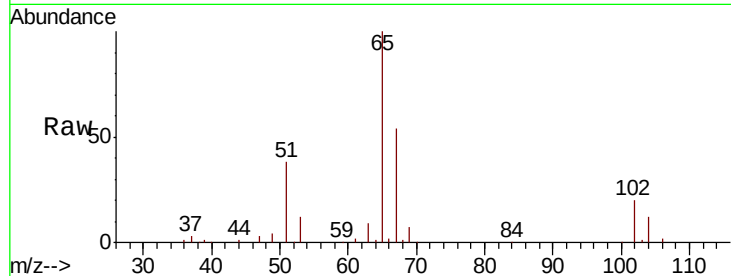
#27
 1,2-Dichloroethane-d4
 Concen: 31.205 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	40.9	61.3

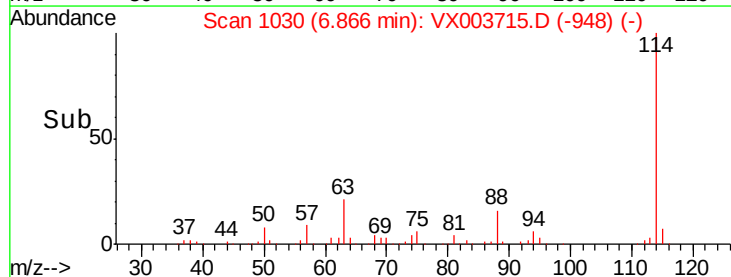
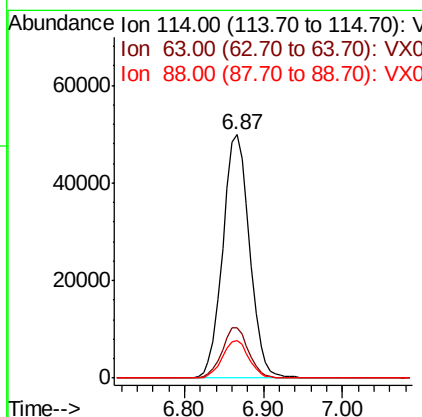
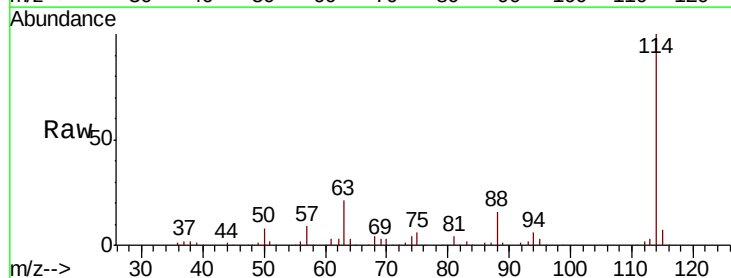
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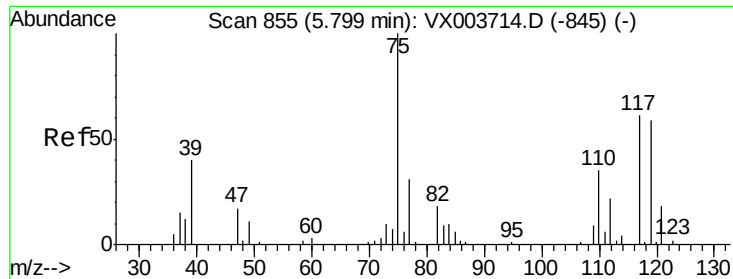
MMDadoda
 7/30/2018 3:42:29 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	17.1	25.7
88	15.4	12.6	19.0





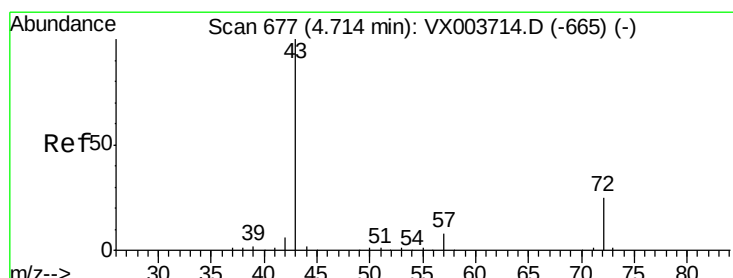
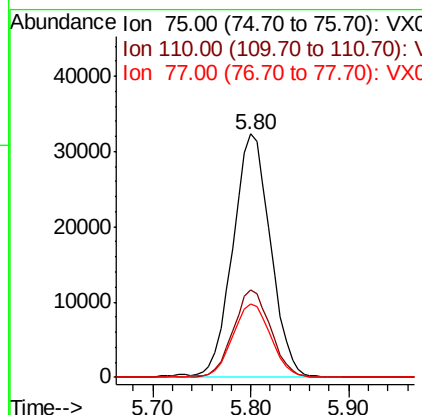
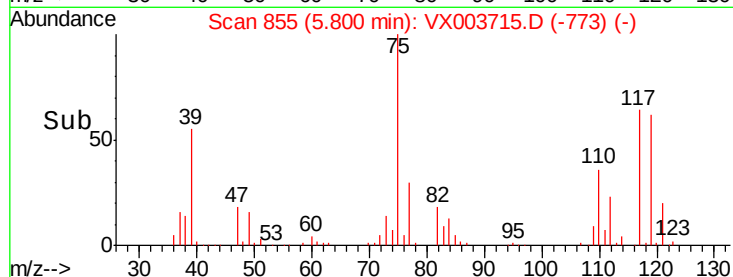
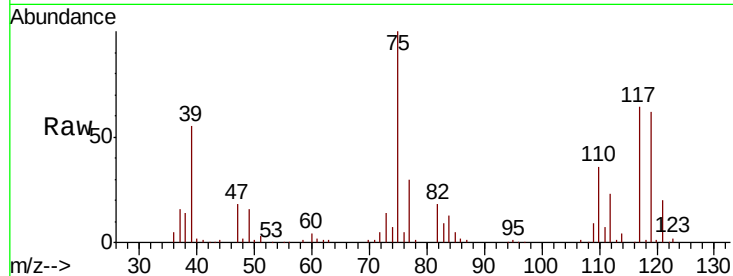
#29
 1,1-Dichloropropene
 Concen: 46.058 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.8	0.0	71.4
77	30.8	0.0	60.6

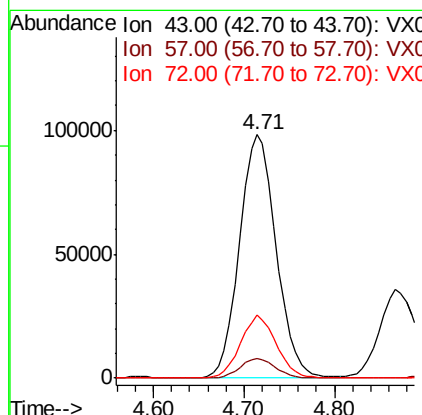
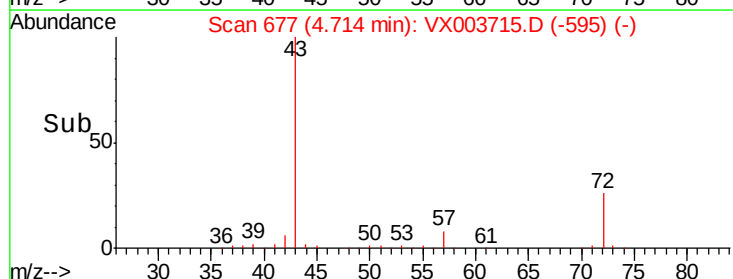
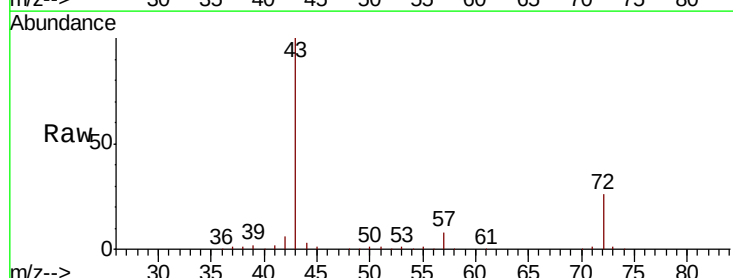
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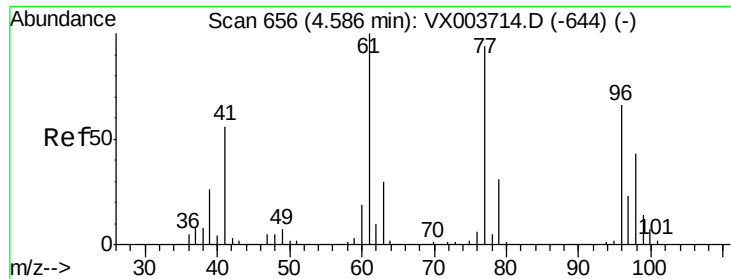
MMDadoda
 7/30/2018 3:42:29 PM



#30
 2-Butanone
 Concen: 264.001 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.1	9.1
72	25.1	18.1	27.1





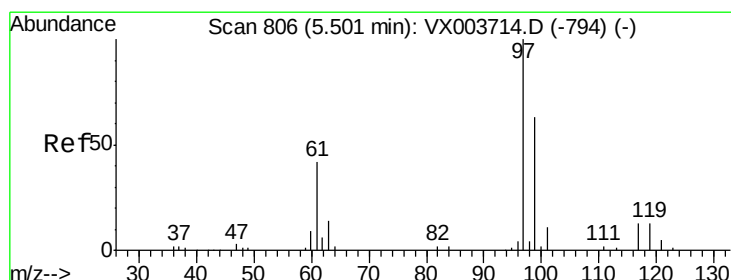
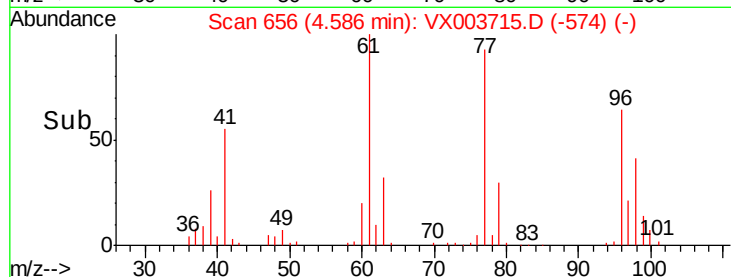
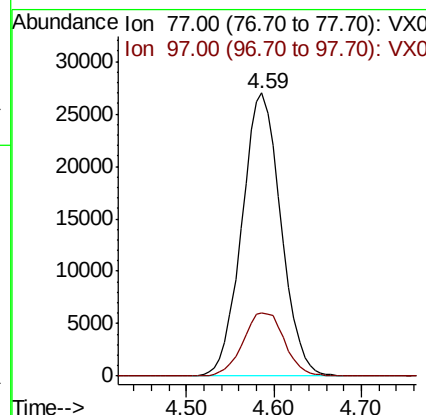
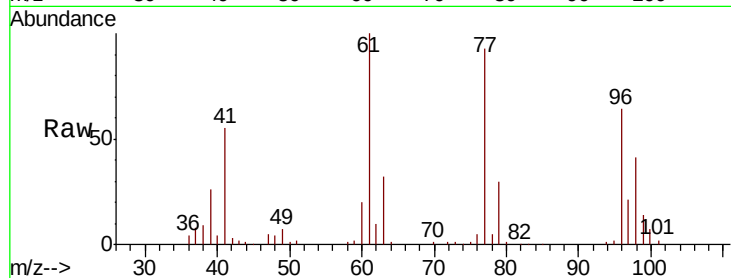
#31
 2,2-Dichloropropane
 Concen: 41.469 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 77 Resp: 83551
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.7 28.1

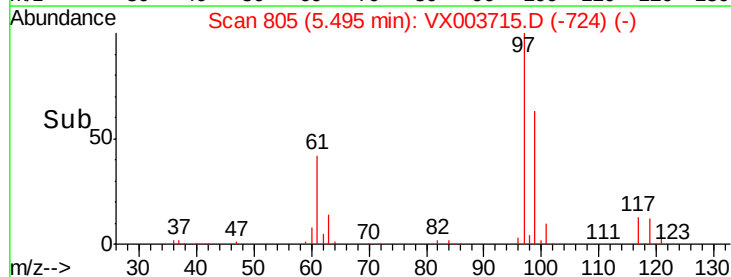
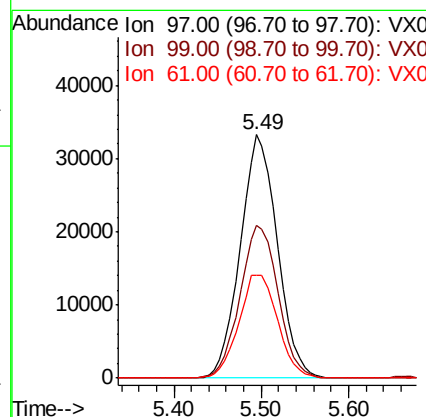
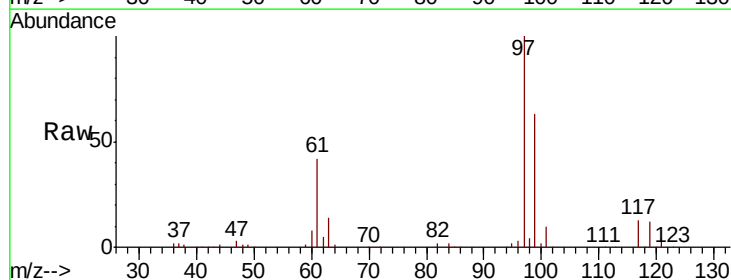
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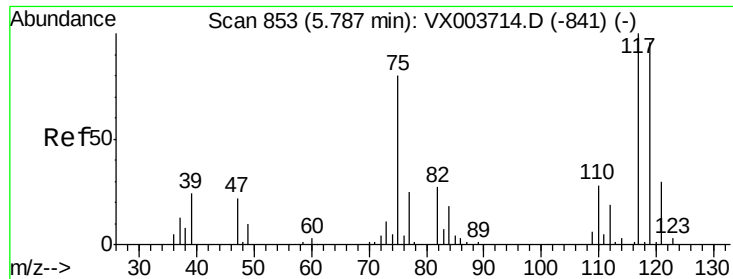
MMDadoda
 7/30/2018 3:42:29 PM



#32
 1,1,1-Trichloroethane
 Concen: 46.473 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion: 97 Resp: 98152
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 44.7 36.4 54.6





#33

Carbon Tetrachloride

Concen: 45.800 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

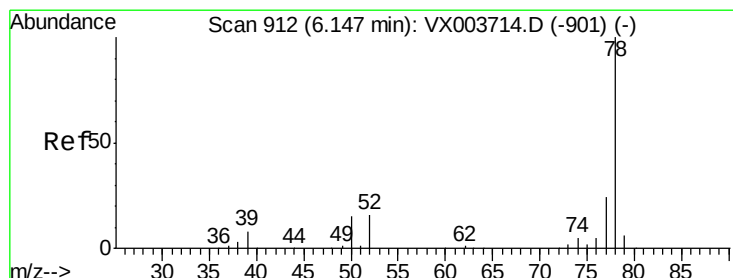
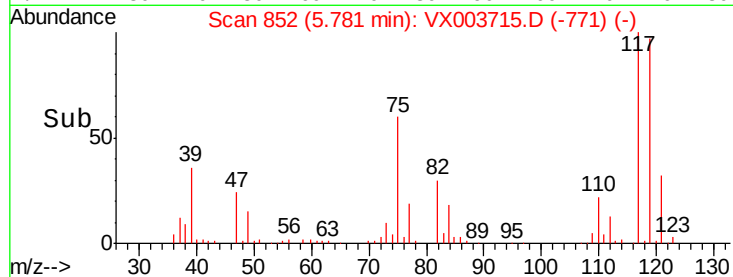
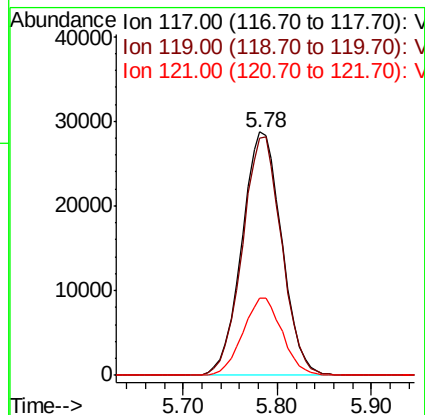
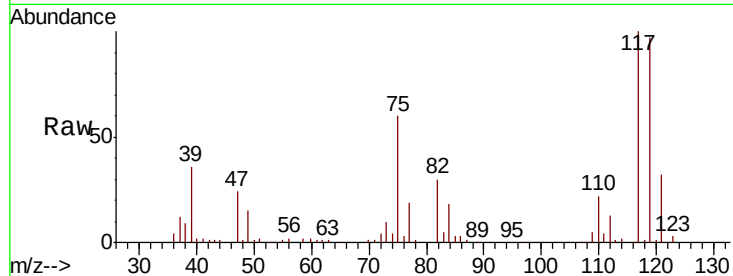
ClientSampleId :

VSTDIC050

Tot Ion:	117	Resp:	84892
Ion	Ratio	Lower	Upper
117	100		
119	97.4	73.3	109.9
121	31.8	23.6	35.4

Manual Integrations
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#34

Benzene

Concen: 48.717 ug/l

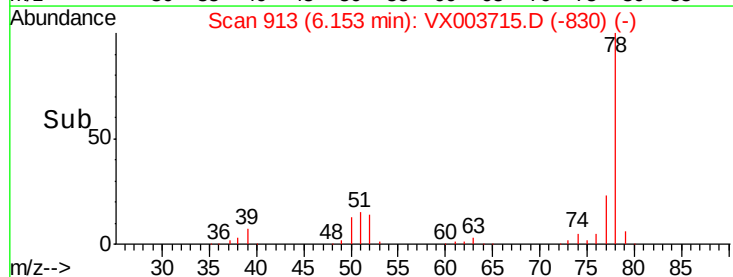
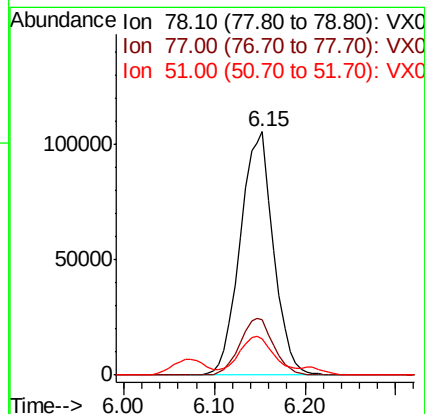
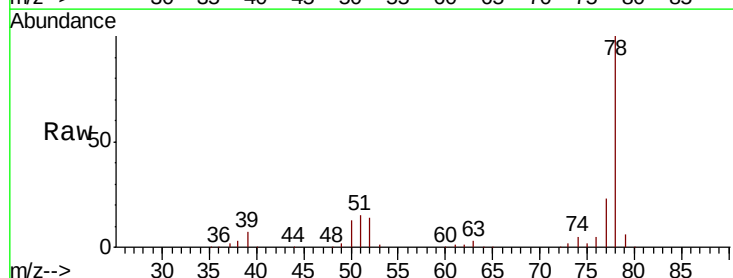
RT: 6.15 min Scan# 913

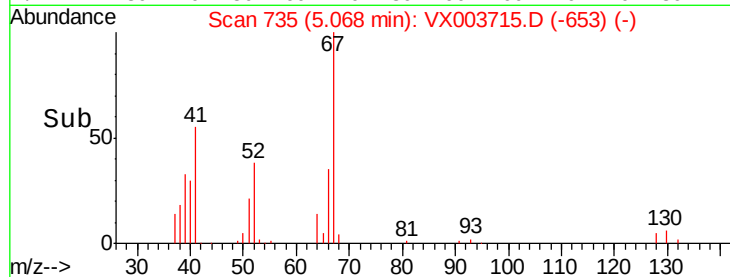
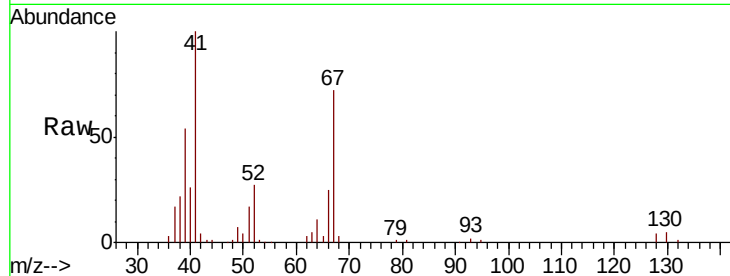
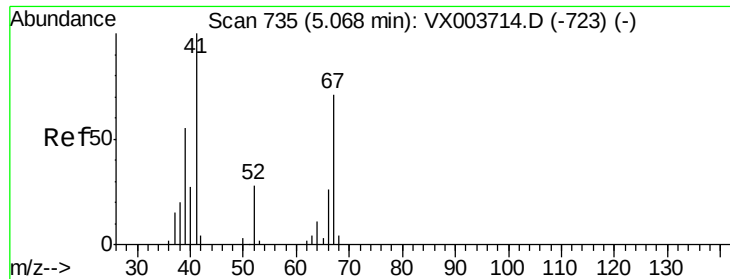
Delta R.T. 0.01 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Tgt Ion:	78	Resp:	267621
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.4	29.0
51	14.5	13.8	20.6





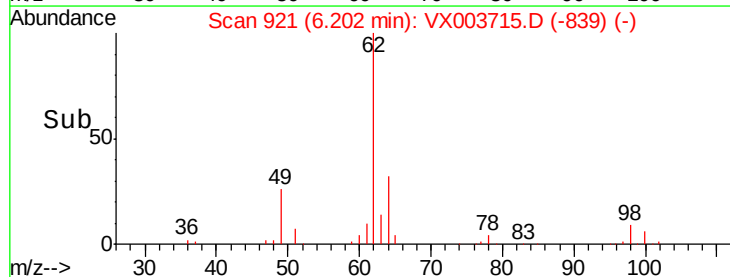
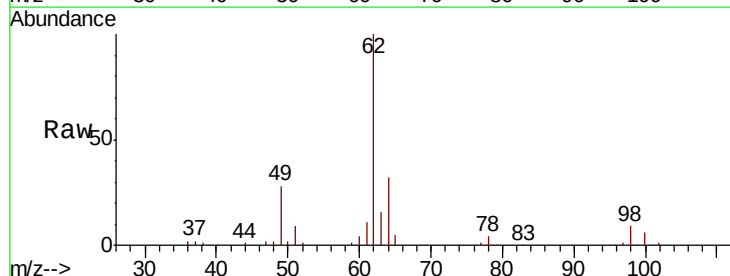
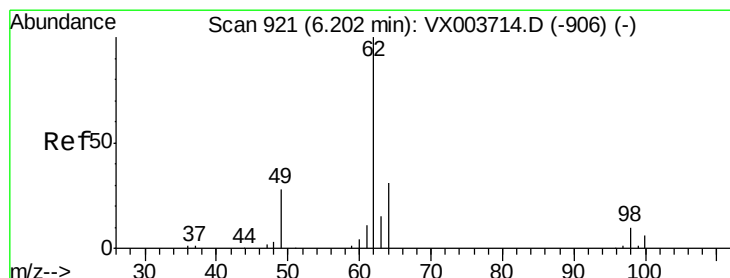
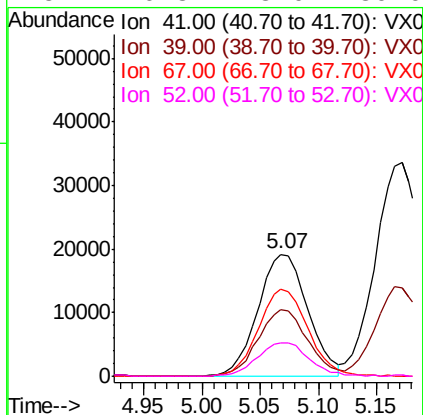
#35
Methacrylonitrile
Concen: 51.549 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		56848		
39	54.1	28.8		86.5	
67	71.7	30.4		91.2	
52	26.8	13.0		39.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

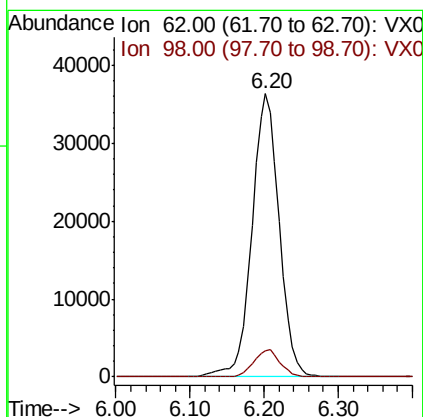
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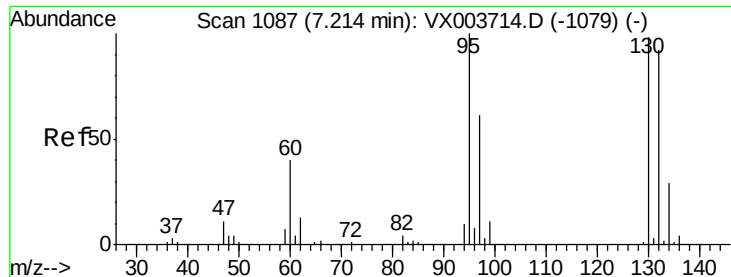
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#36
1,2-Dichloroethane
Concen: 48.823 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		93265		
98	9.2	6.5		9.7	





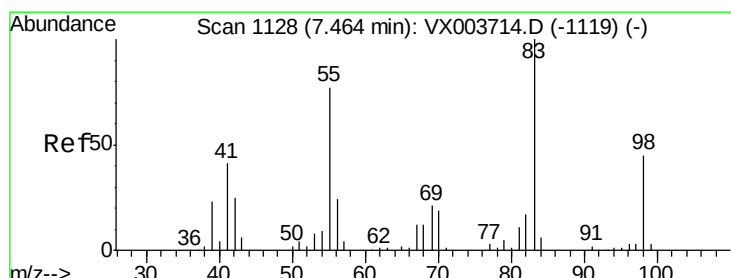
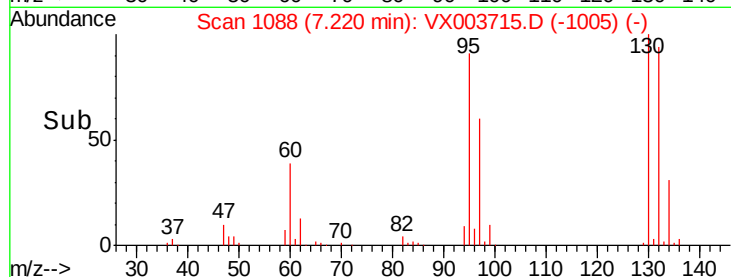
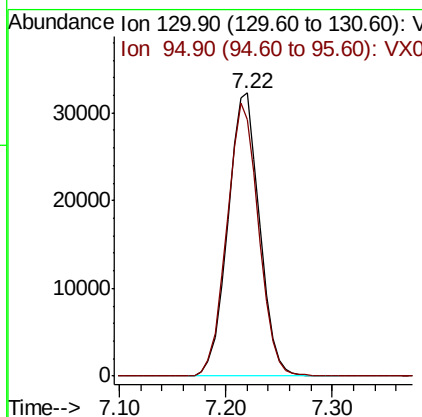
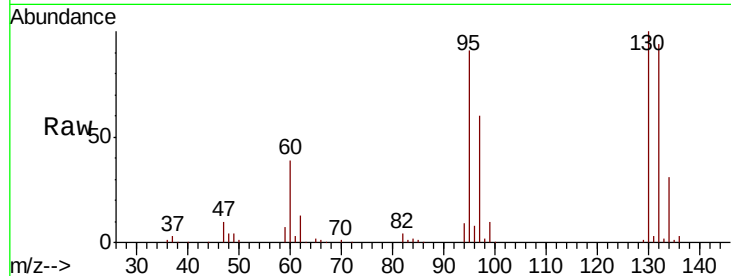
#37
 Trichloroethene
 Concen: 44.360 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 67388
 Ion Ratio Lower Upper
 130 100
 95 90.8 81.5 122.3

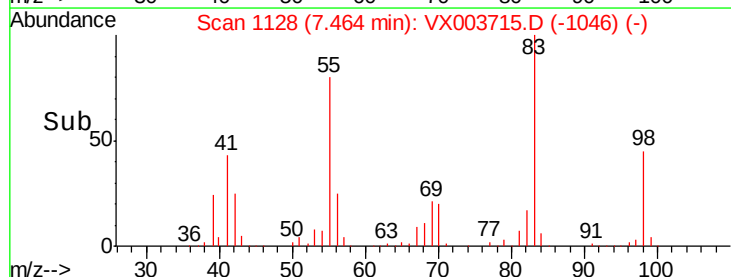
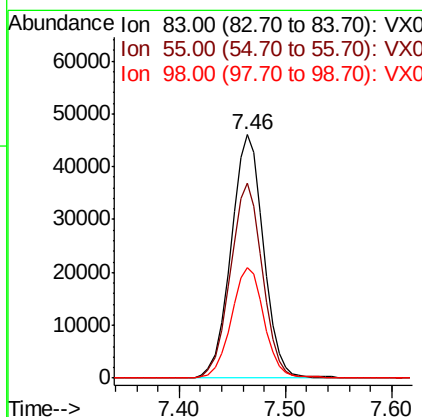
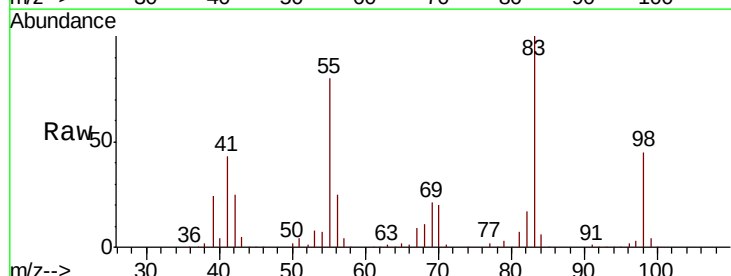
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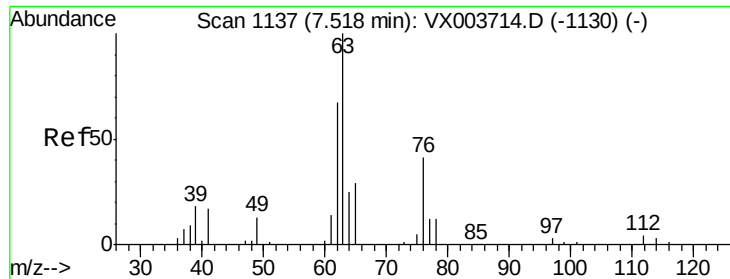
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 7/30/2018 3:42:29 PM



#38
 Methylcyclohexane
 Concen: 46.628 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion: 83 Resp: 98318
 Ion Ratio Lower Upper
 83 100
 55 79.1 40.6 121.8
 98 45.9 23.5 70.5





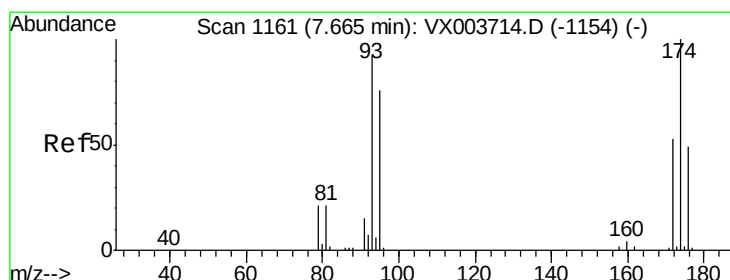
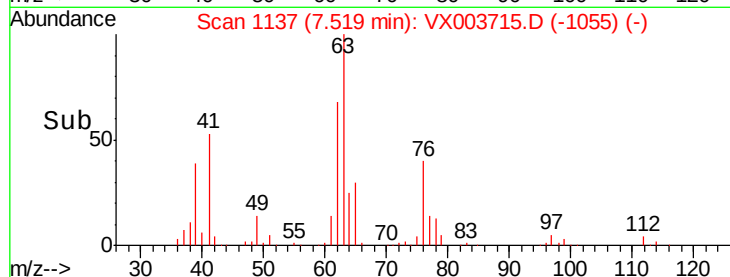
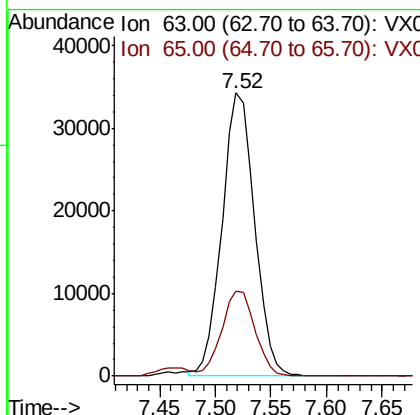
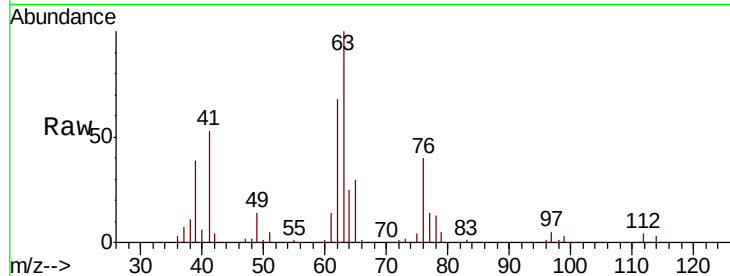
#39
 1,2-Dichloropropane
 Concen: 49.171 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.3	34.9

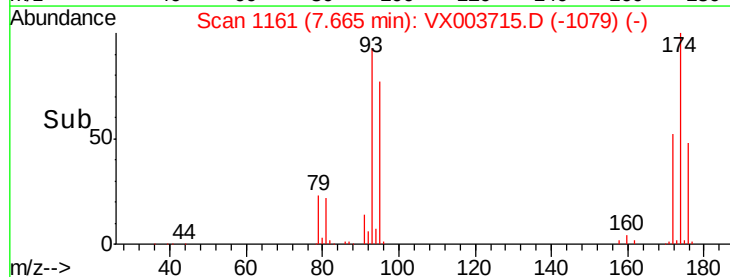
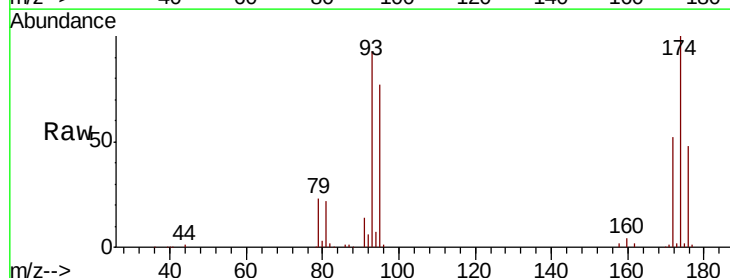
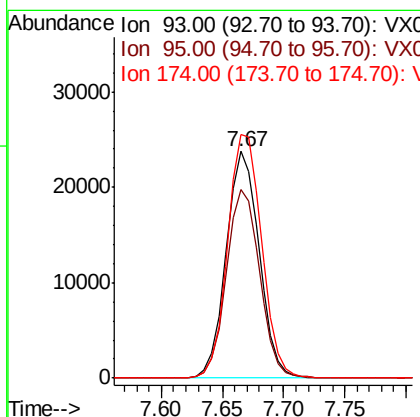
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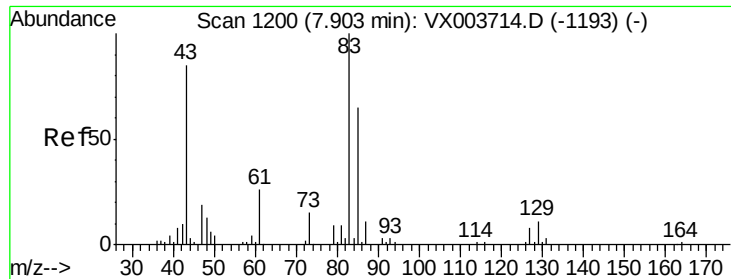
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#40
 Dibromomethane
 Concen: 47.538 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	0.0	162.6
174	110.6	0.0	229.4





#41

Bromodichloromethane

Concen: 48.883 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

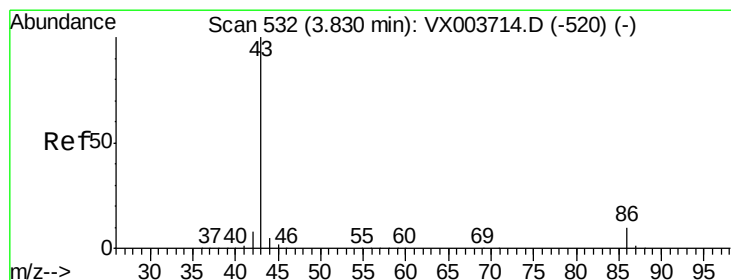
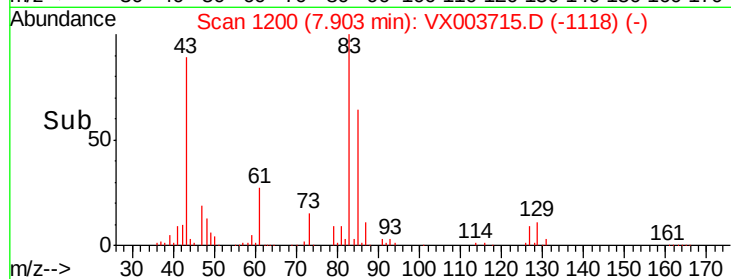
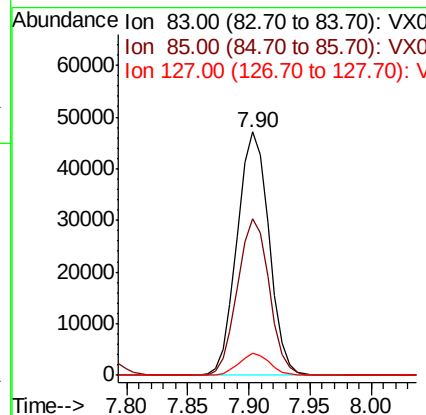
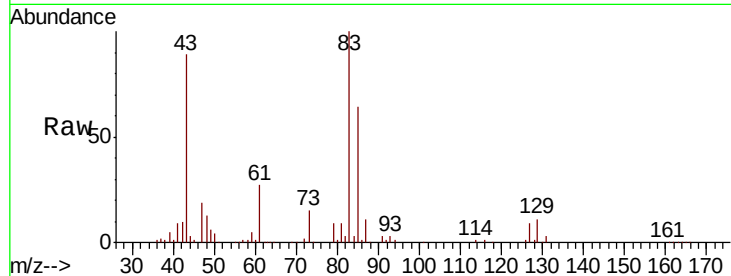
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	85146
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.8	74.8
127	9.2	7.3	10.9

Manual Integrations
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7/30/2018 3:42:29 PM



#42

Vinyl Acetate

Concen: 251.140 ug/l

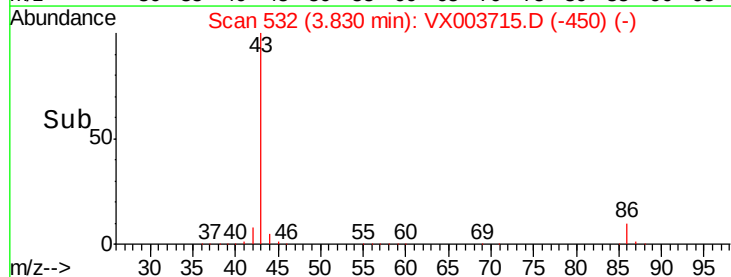
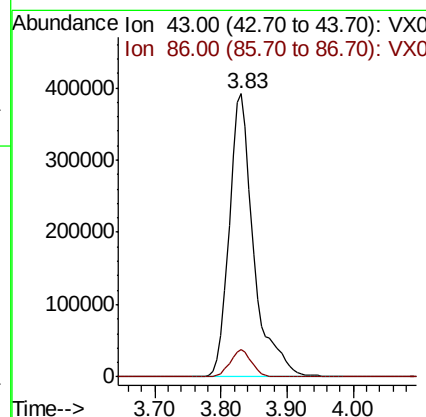
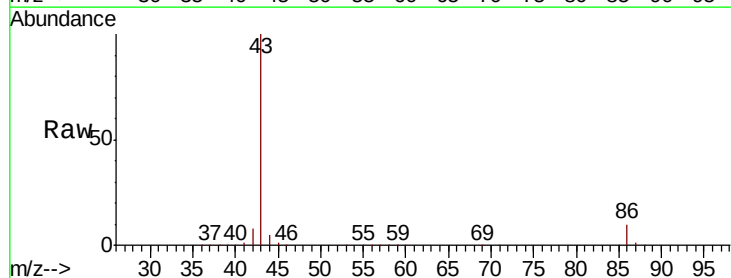
RT: 3.83 min Scan# 532

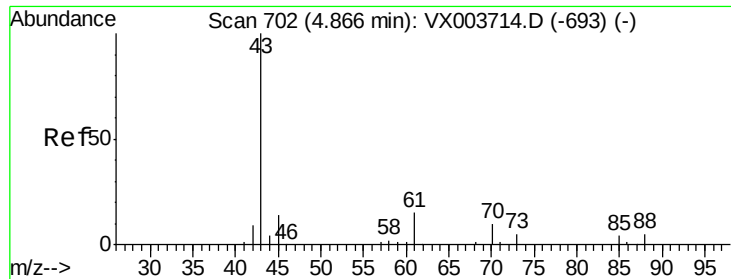
Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Tgt Ion:	43	Resp:	1005698
Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.7	10.1





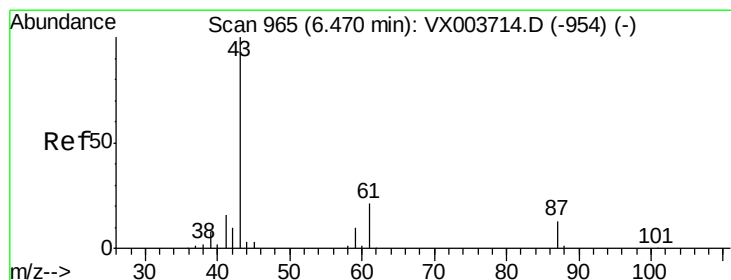
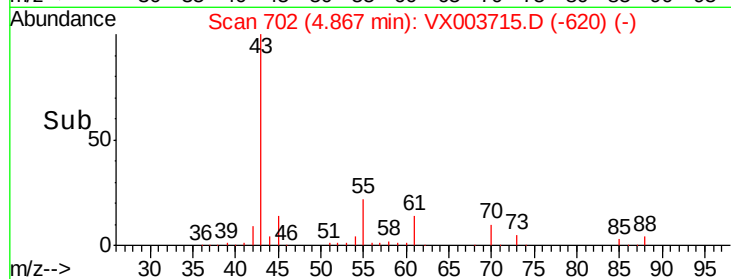
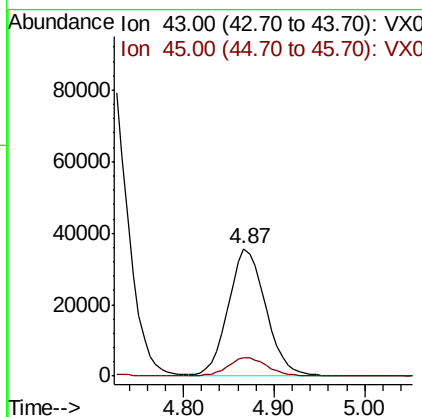
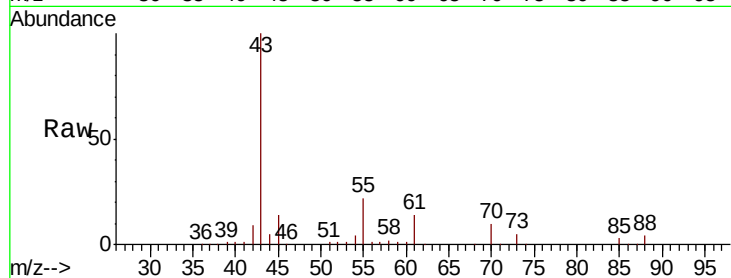
#43
Ethyl Acetate
Concen: 51.451 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 101869
Ion Ratio Lower Upper
43 100
45 15.4 11.0 16.4

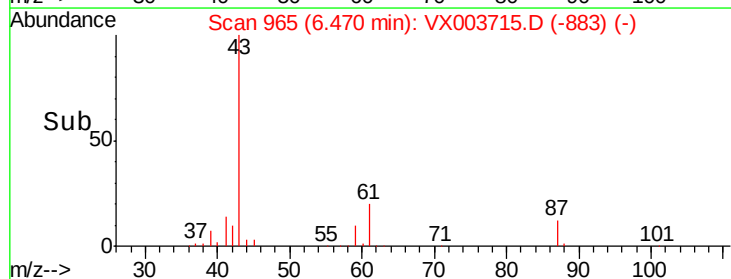
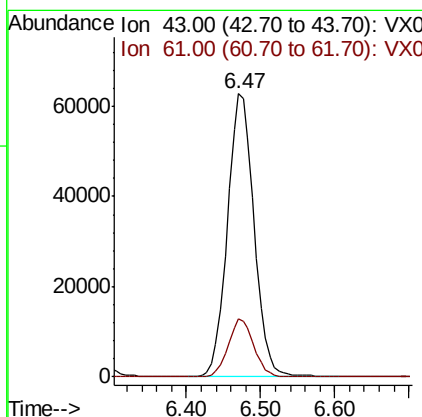
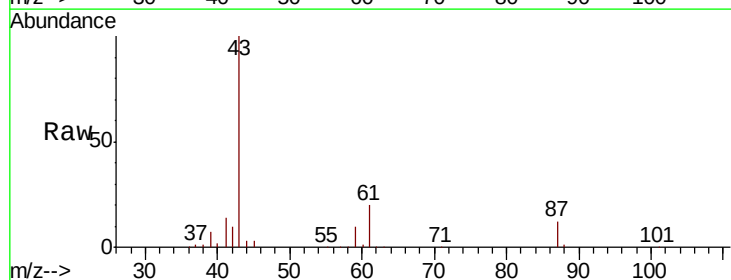
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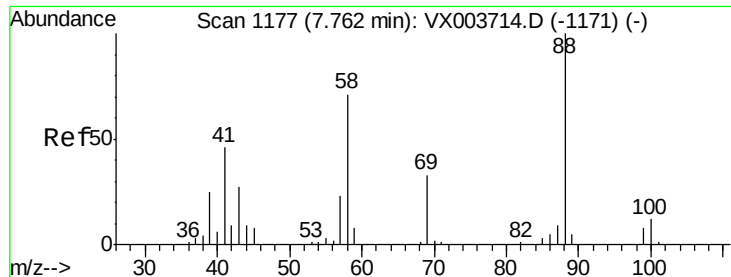
MMDadoda
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#44
Isopropyl Acetate
Concen: 51.794 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion: 43 Resp: 157179
Ion Ratio Lower Upper
43 100
61 19.8 14.5 21.7





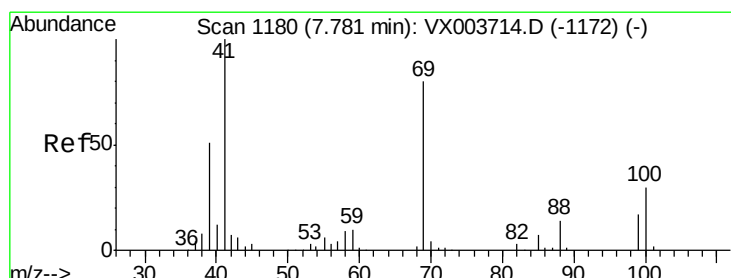
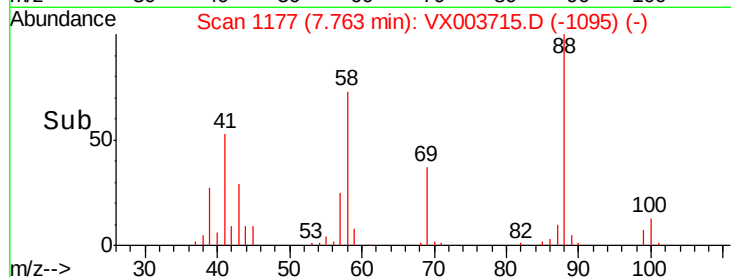
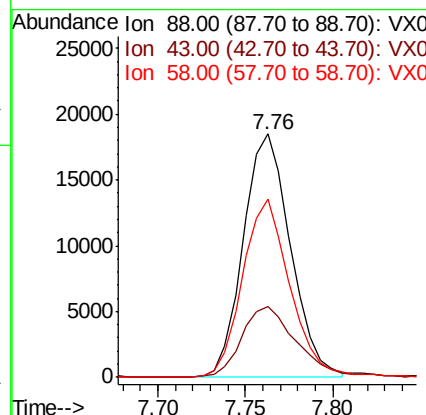
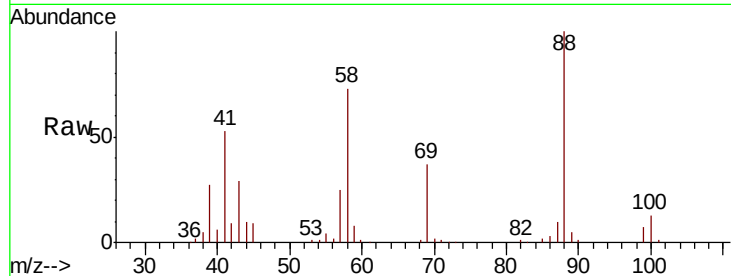
#45
 1,4-Dioxane
 Concen: 1072.412 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	43.2	64.8#
58	73.9	60.2	90.2

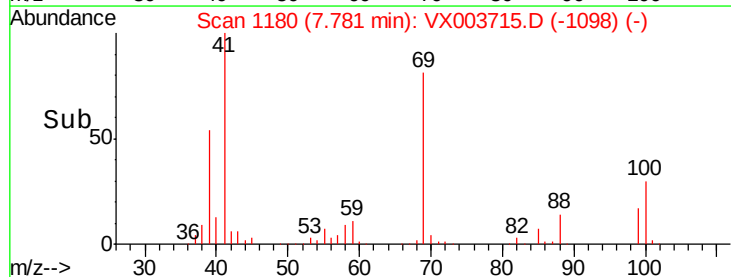
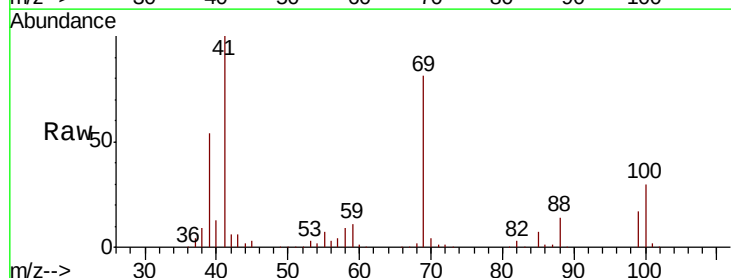
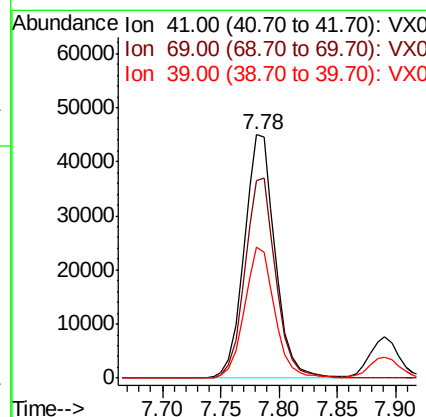
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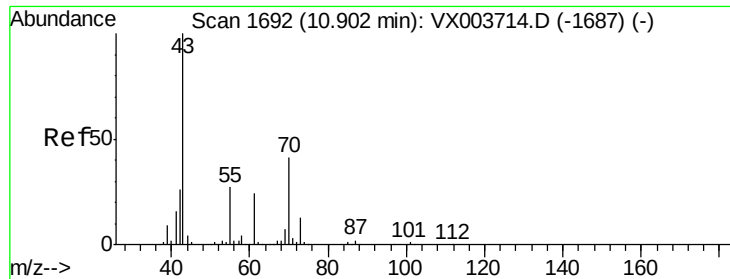
MMDadoda
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#46
 Methyl methacrylate
 Concen: 53.044 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.1	37.0	110.9
39	53.8	29.6	88.9





#47

n-amvl Acetate

Concen: 55.332 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 144631

Ion Ratio Lower Upper

43 100

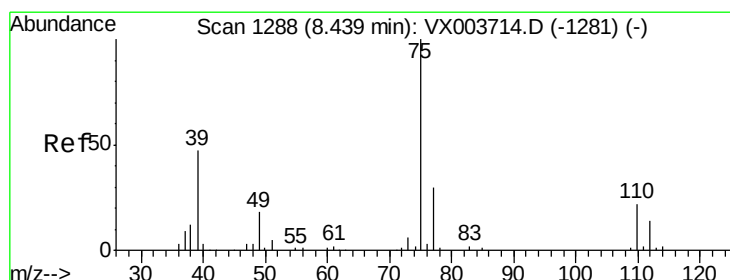
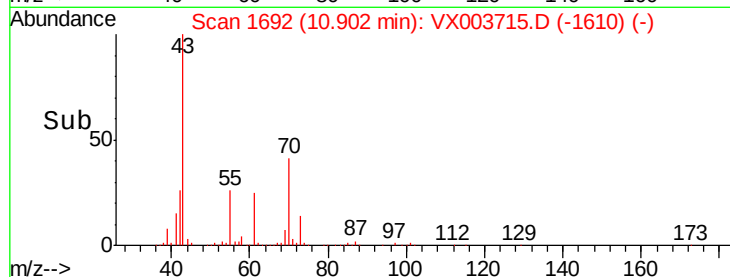
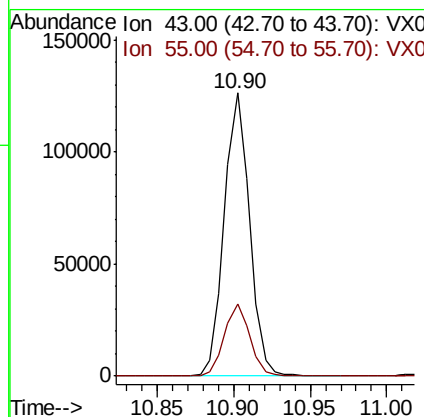
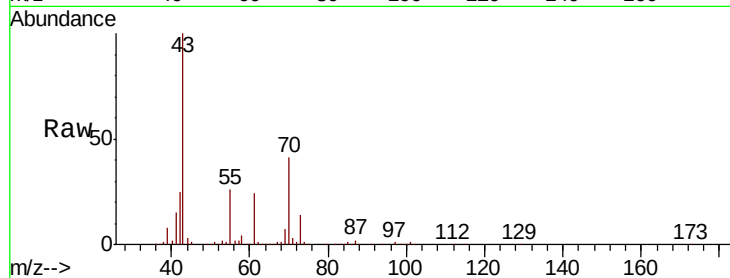
55 25.8 0.1 0.1#

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 49.322 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003715.D

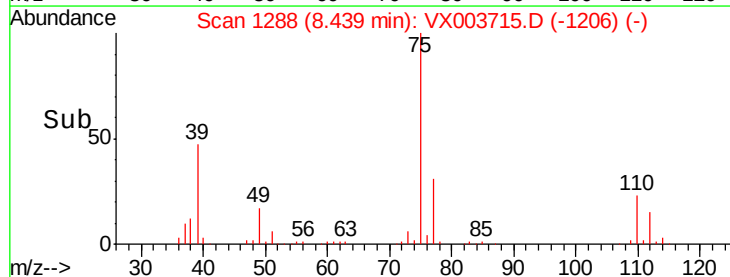
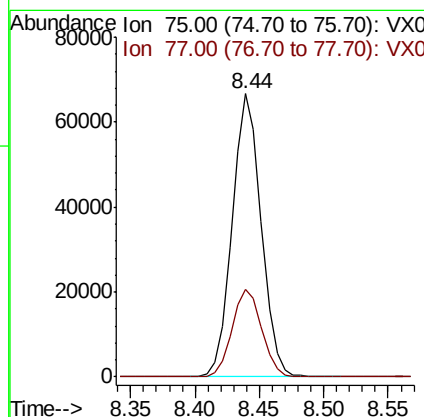
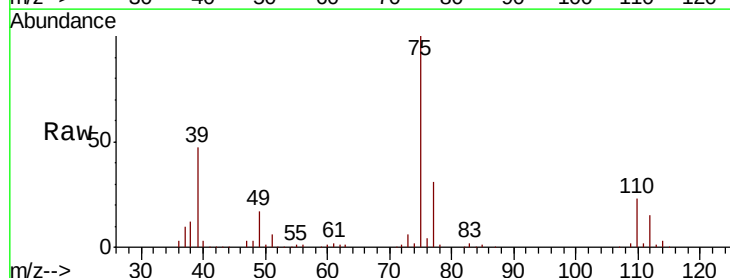
Acq: 27 Jul 2018 14:24

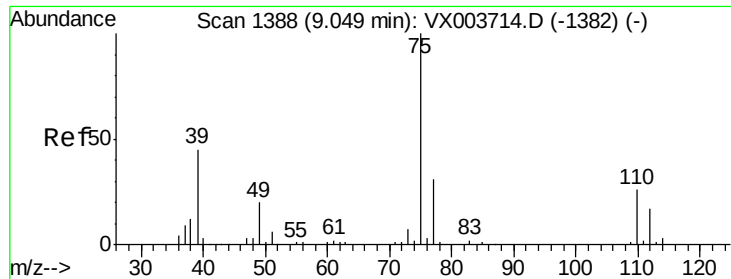
Tgt Ion: 75 Resp: 104558

Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4





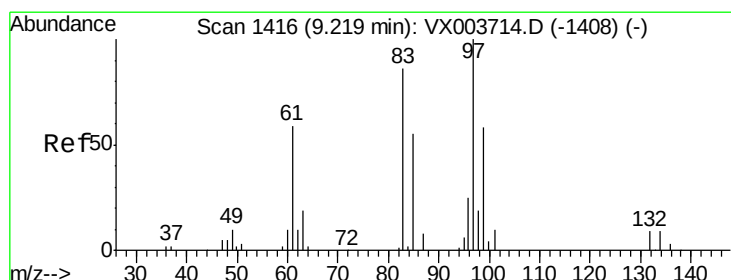
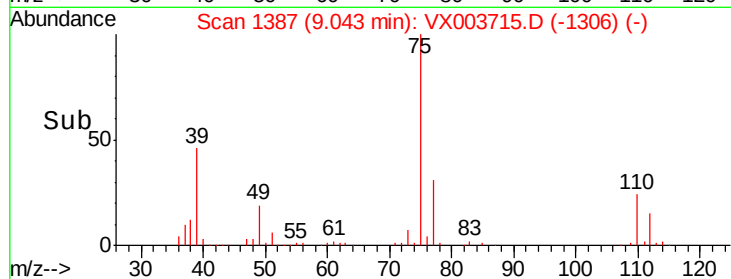
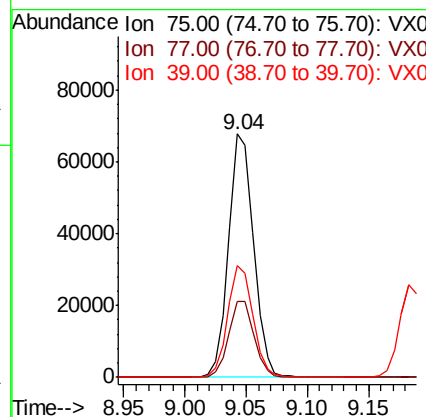
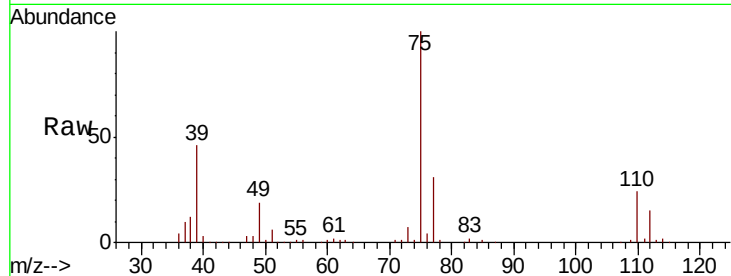
#49
 cis-1,3-Dichloropropene
 Concen: 50.096 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	46.0	42.3	63.5

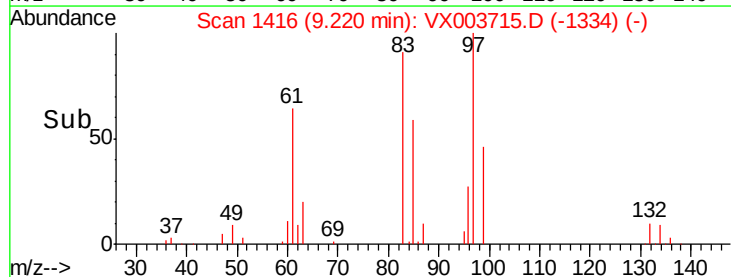
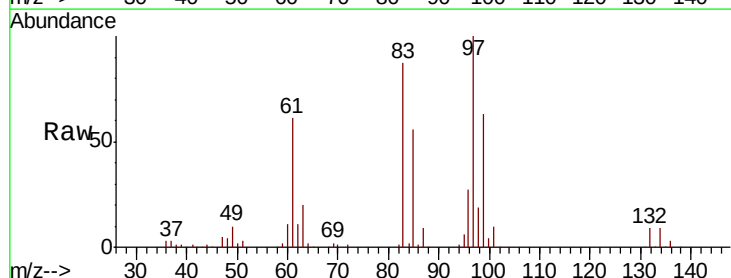
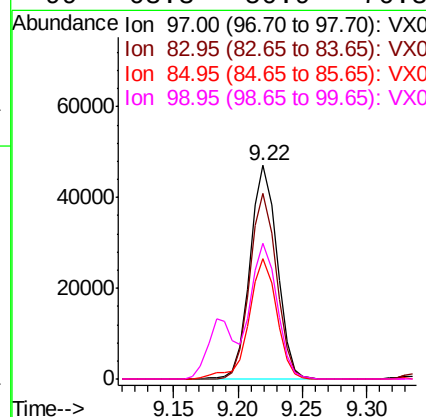
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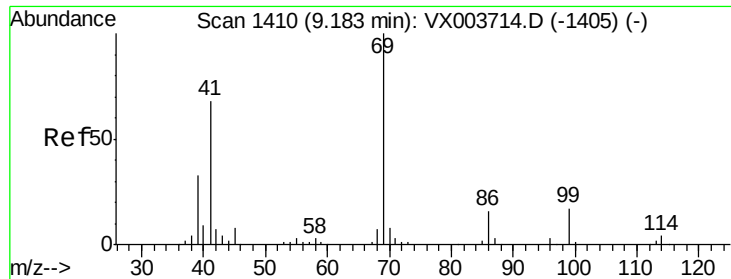
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#50
 1,1,2-Trichloroethane
 Concen: 48.616 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.8	106.2
85	56.3	43.5	65.3
99	63.3	50.9	76.3





#51

Ethyl methacrylate

Concen: 51.187 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

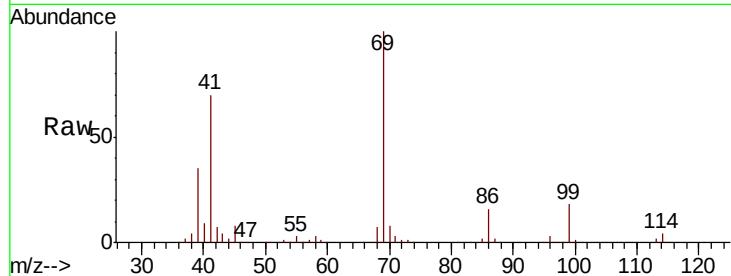
ClientSampleId :

VSTDIC050

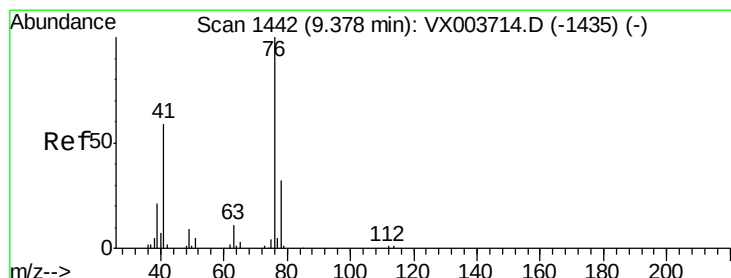
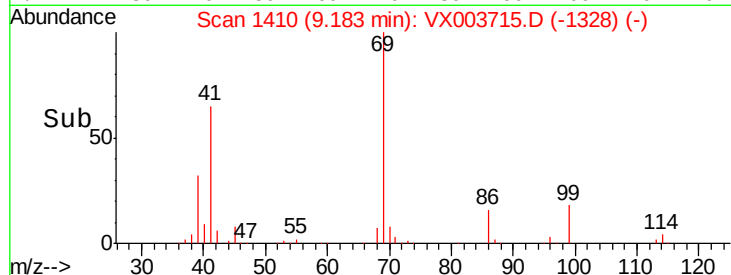
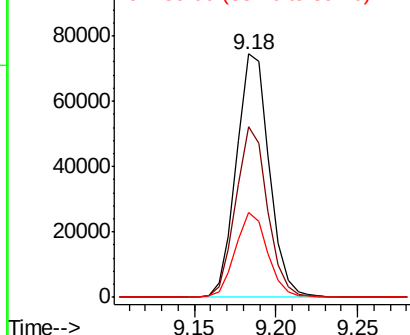
Tot Ion:	69	Resp:	104877
Ion Ratio	Lower	Upper	
69	100		
41	69.7	39.1	117.3
39	34.6	21.7	65.1

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Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 49.037 ug/l

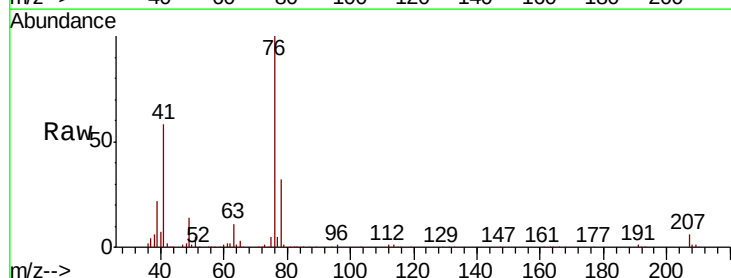
RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

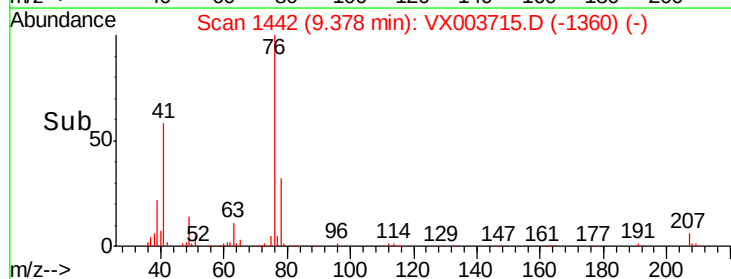
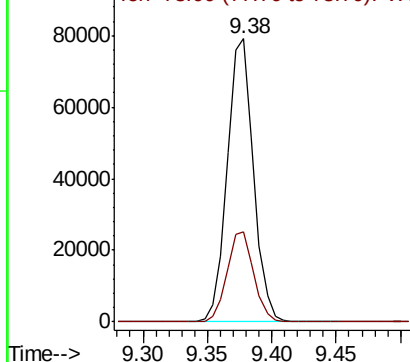
Lab File: VX003715.D

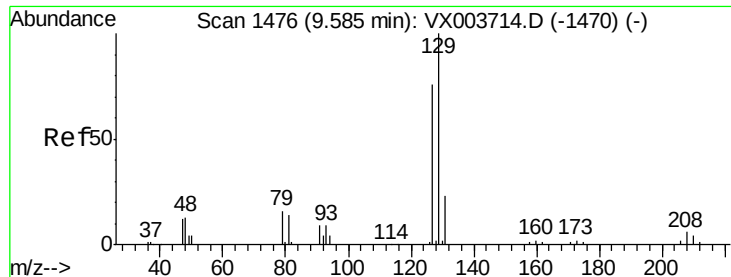
Acq: 27 Jul 2018 14:24

Tgt Ion:	76	Resp:	113235
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





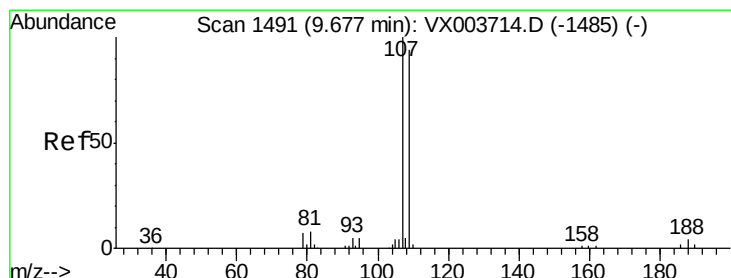
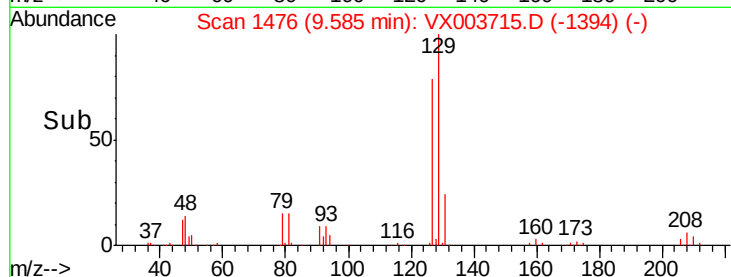
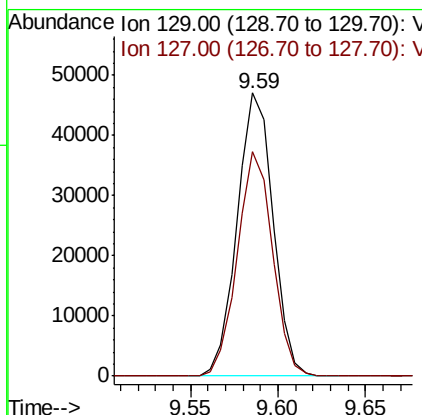
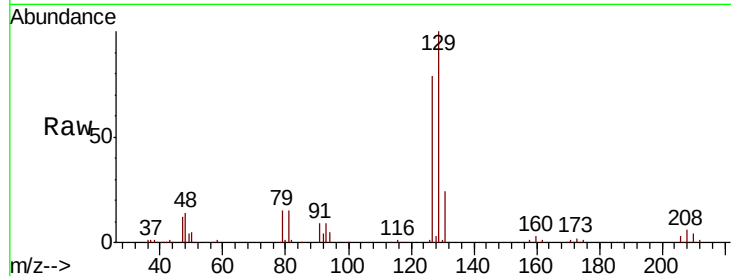
#53
 Dibromochloromethane
 Concen: 48.008 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:129 Resp: 67454
 Ion Ratio Lower Upper
 129 100
 127 77.7 38.5 115.3

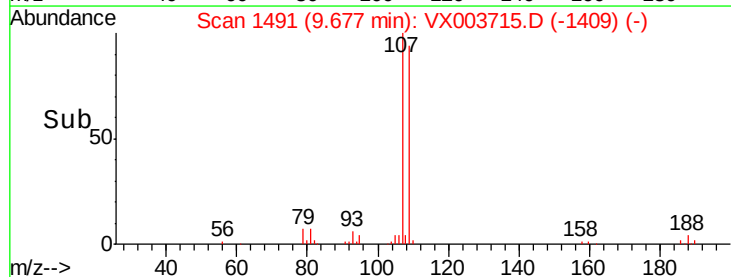
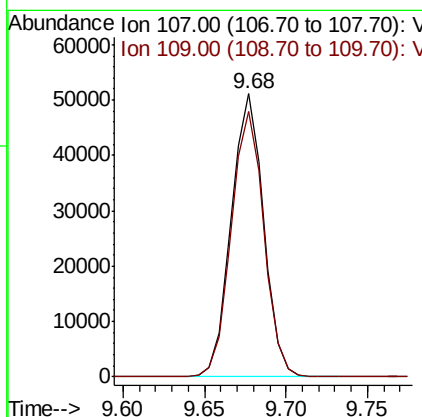
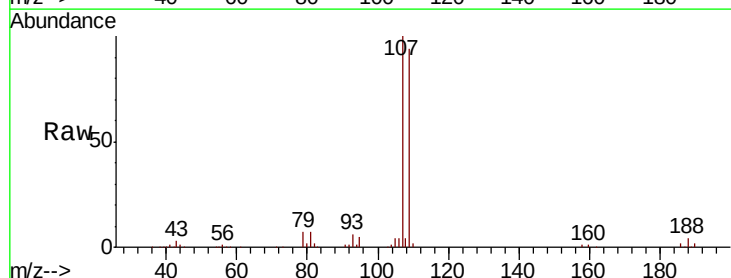
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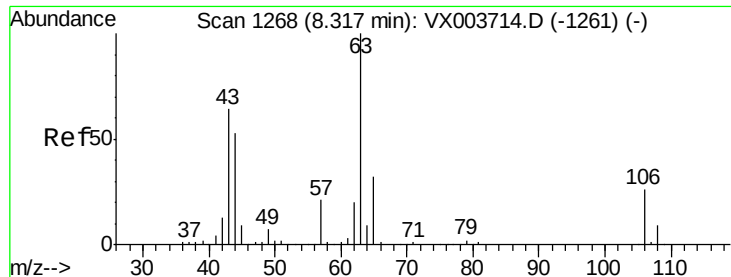
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#54
 1,2-Dibromoethane
 Concen: 48.358 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion:107 Resp: 70506
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.5 113.3





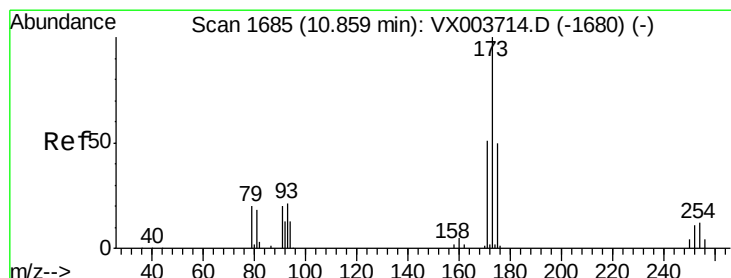
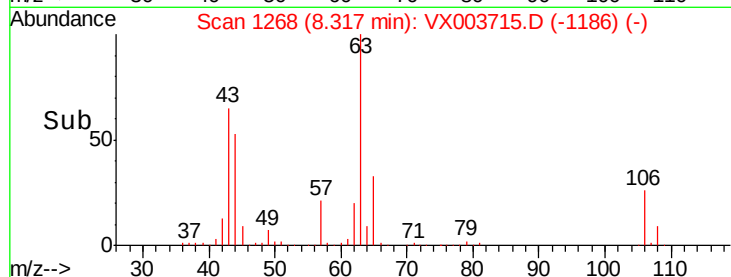
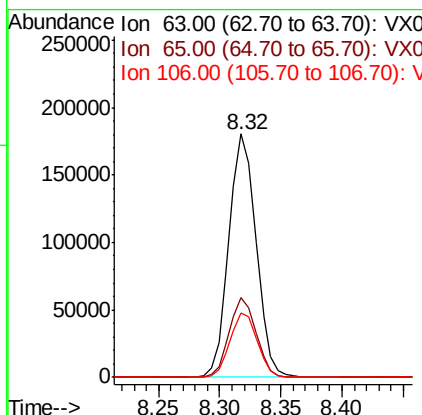
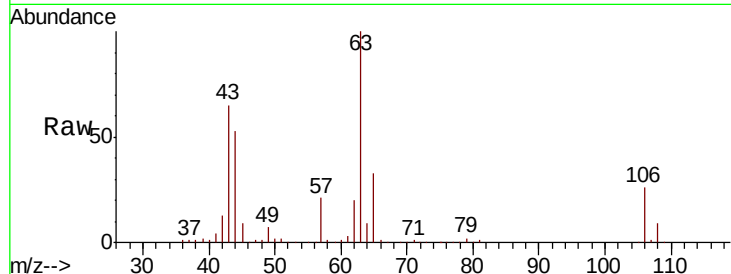
#55
2-Chloroethyl vinyl ether
Concen: 287.572 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.6	38.4
106	26.7	21.6	32.4

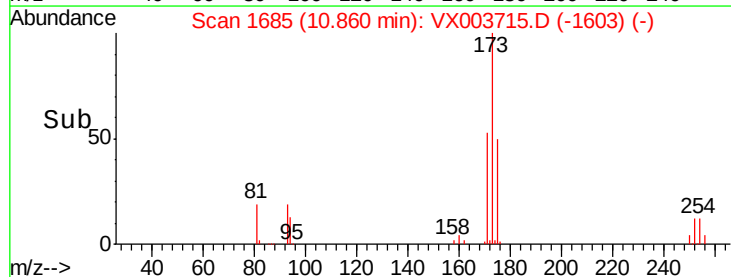
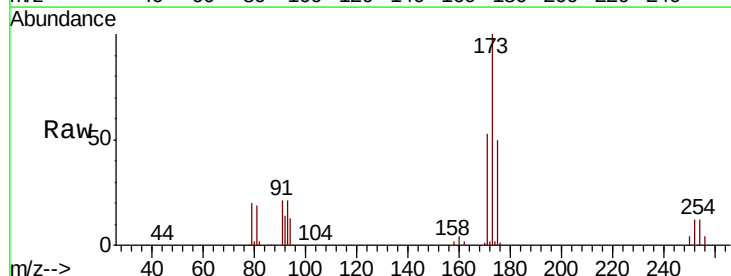
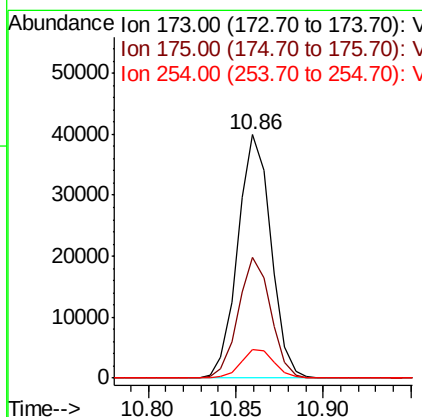
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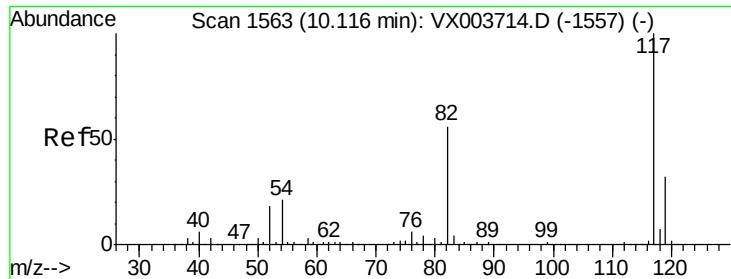
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#56
Bromoform
Concen: 49.031 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.4
254	11.9	9.6	14.4





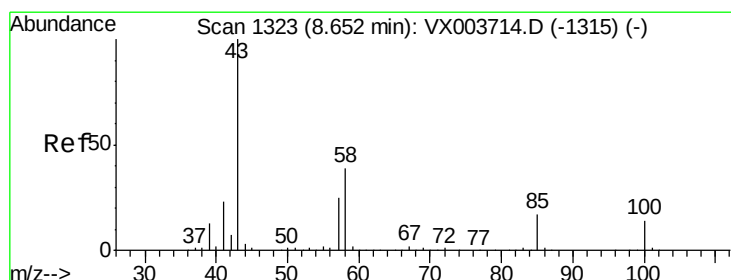
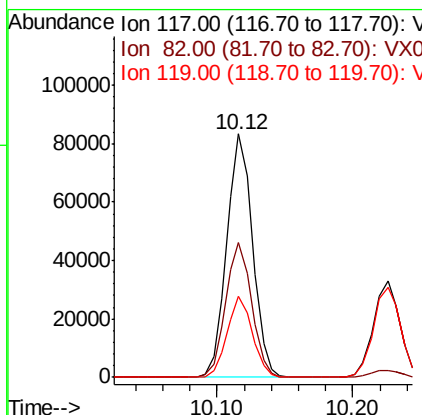
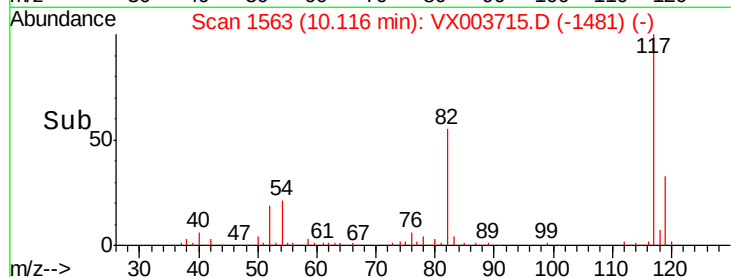
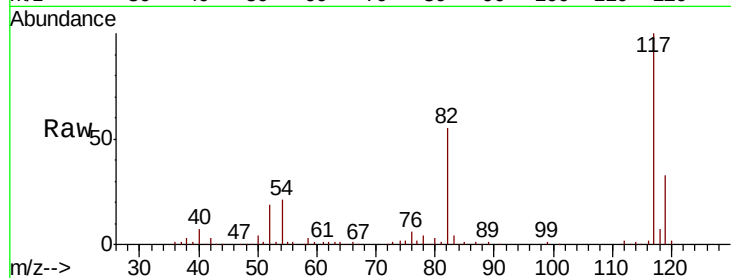
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	32.6	25.7	38.5

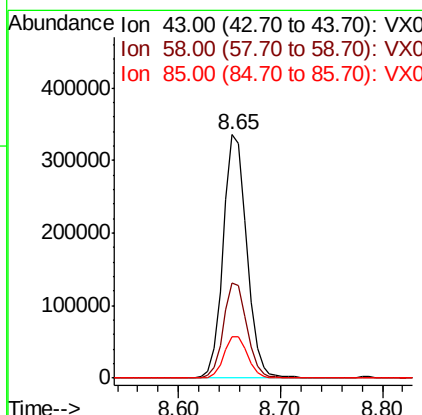
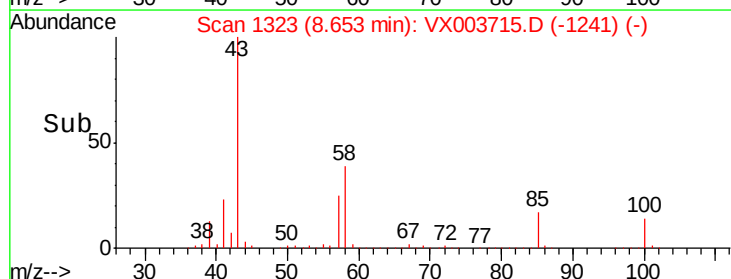
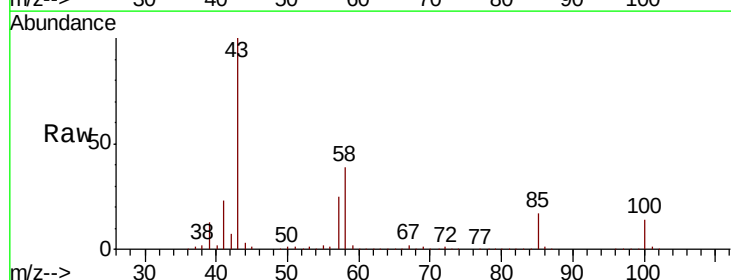
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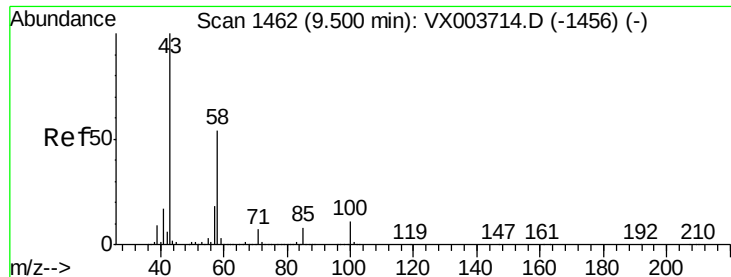
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#58
4-Methyl-2-Pentanone
Concen: 274.973 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.8	28.2	42.4
85	17.1	12.4	18.6





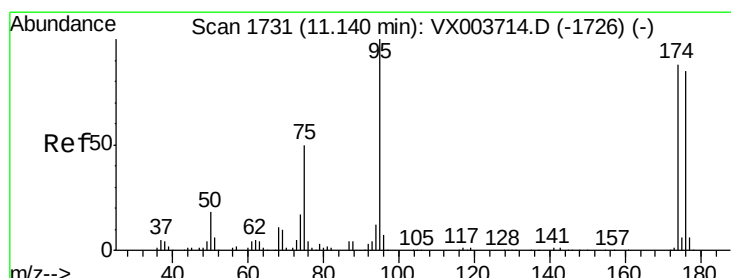
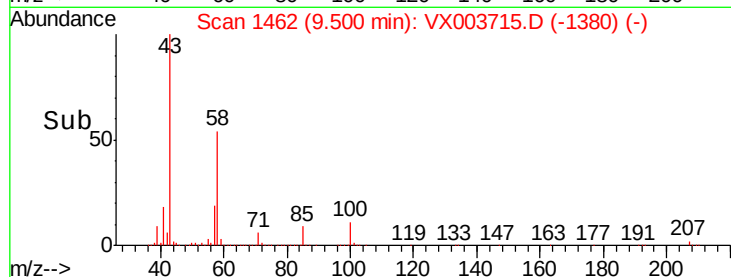
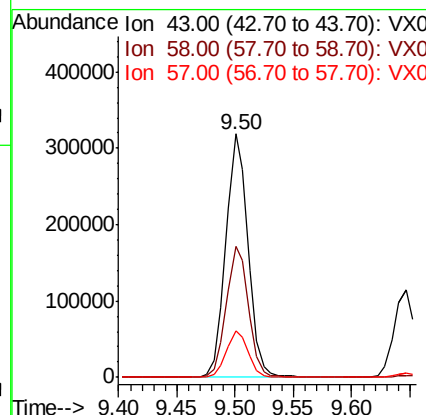
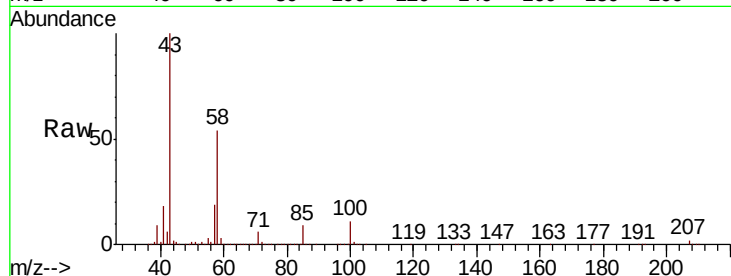
#59
2-Hexanone
Concen: 278.695 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	39.6	59.4
57	18.7	14.1	21.1

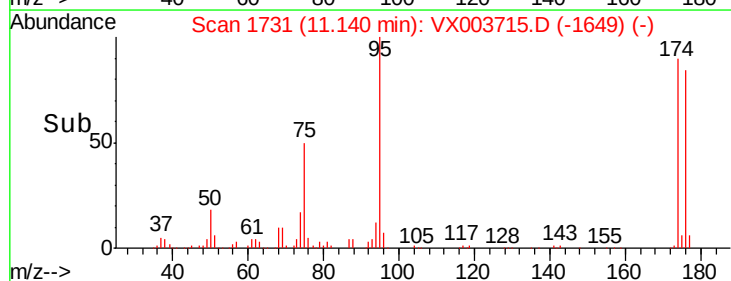
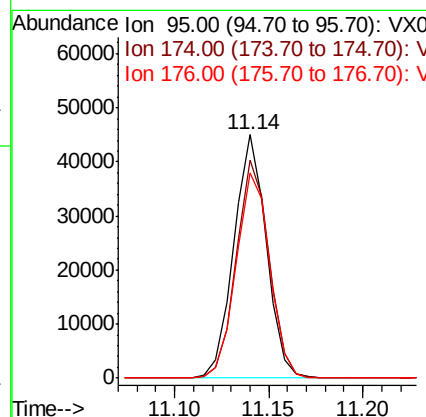
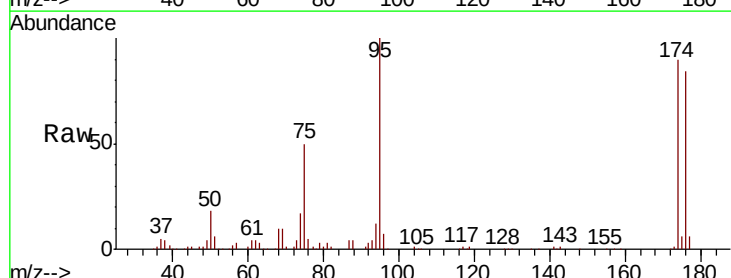
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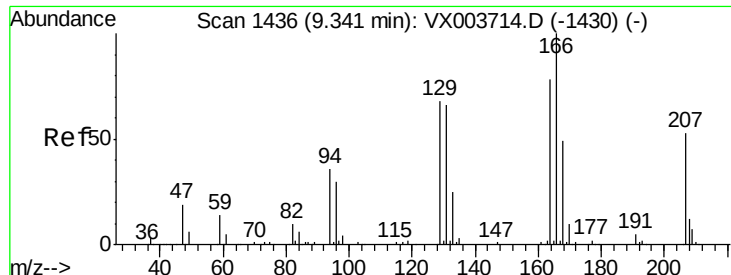
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#60
4-Bromofluorobenzene
Concen: 30.300 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	71.8	107.6
176	87.7	70.1	105.1





#61

Tetrachloroethene

Concen: 36.402 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 61456

Ion Ratio Lower Upper

164 100

166 126.9 102.4 153.6

129 92.9 70.1 105.1

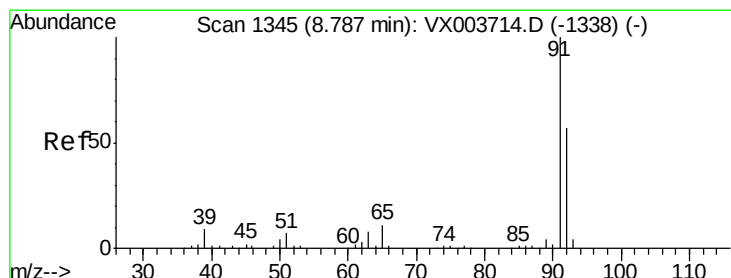
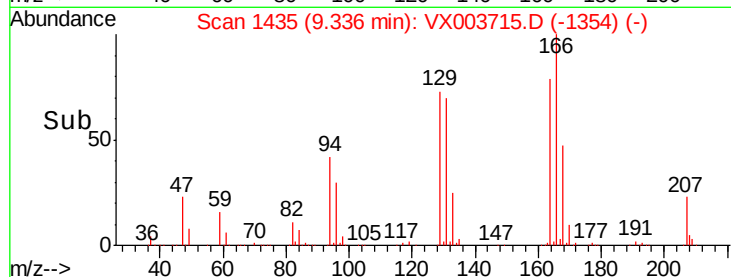
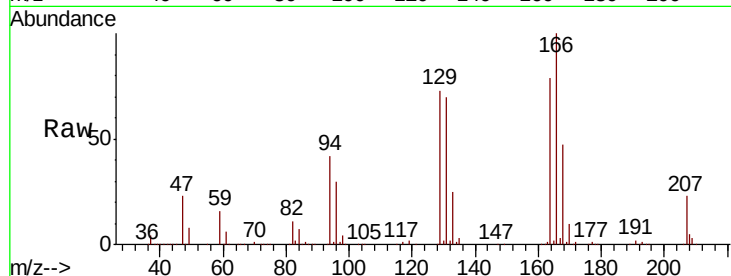
131 88.3 69.1 103.7

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#62

Toluene

Concen: 47.800 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003715.D

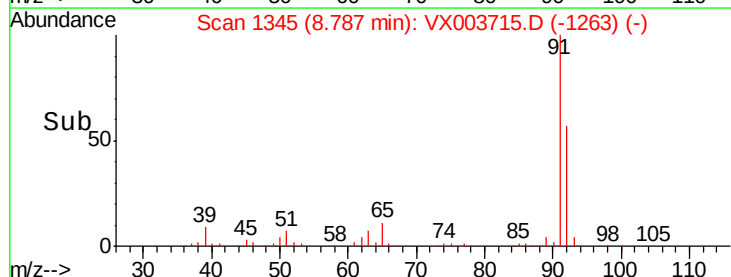
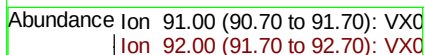
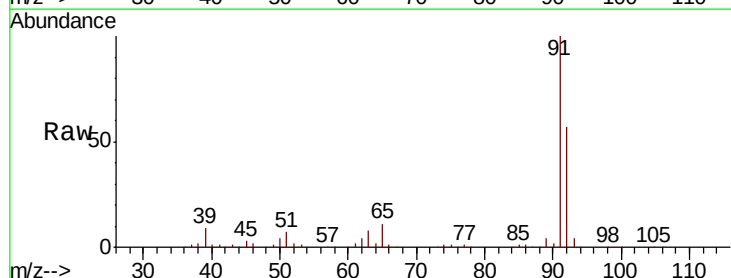
Acq: 27 Jul 2018 14:24

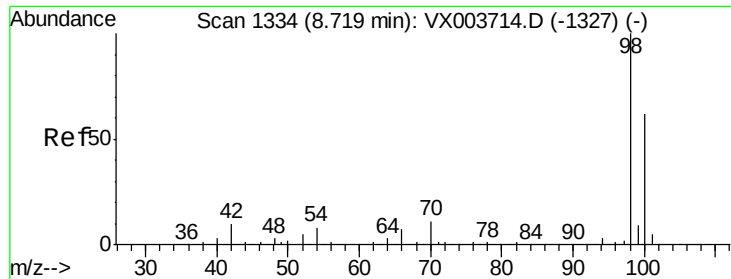
Tgt Ion: 91 Resp: 287662

Ion Ratio Lower Upper

91 100

92 57.0 46.5 69.7





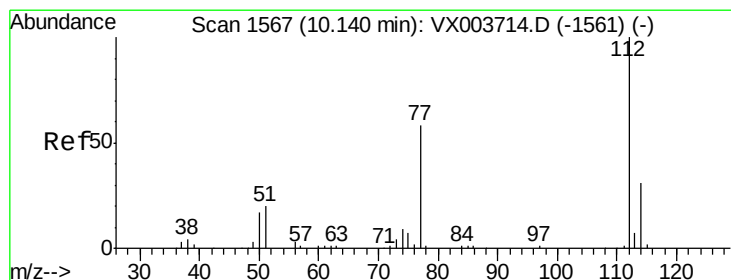
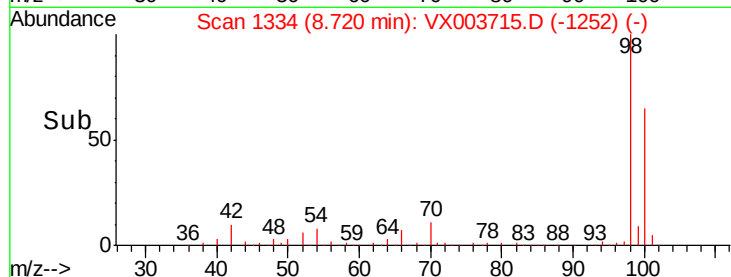
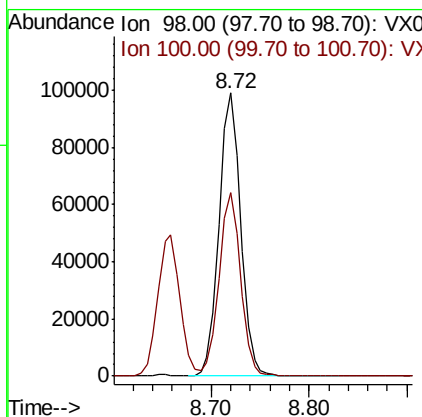
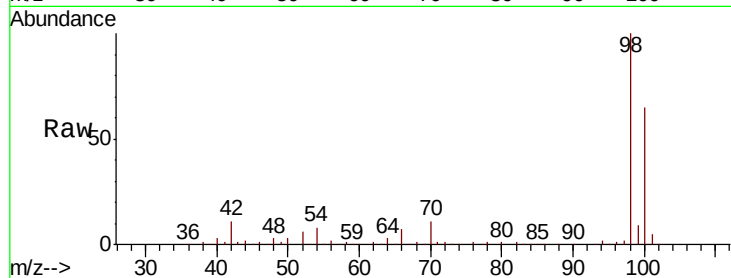
#63
Toluene-d8
Concen: 31.268 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 152478
Ion Ratio Lower Upper
98 100
100 64.4 50.8 76.2

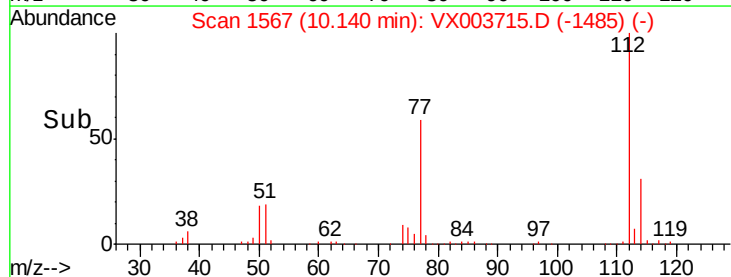
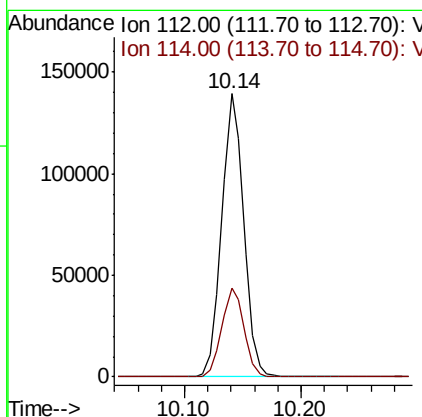
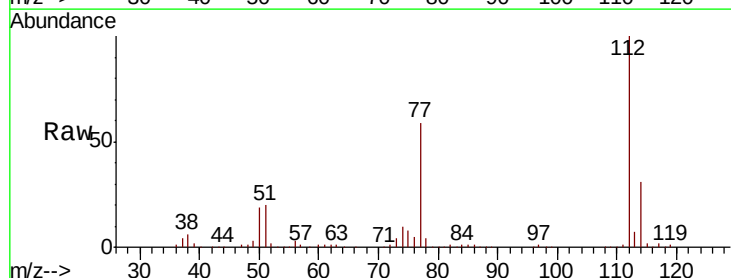
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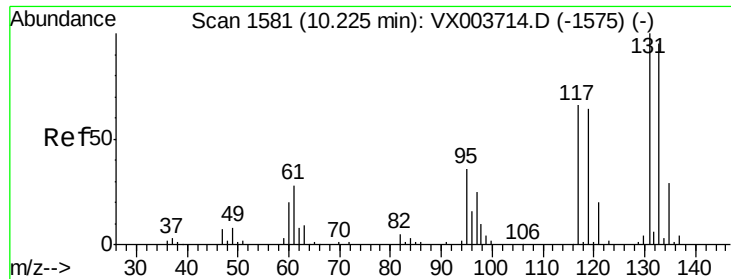
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#64
Chlorobenzene
Concen: 45.614 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion: 112 Resp: 181780
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 46.137 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

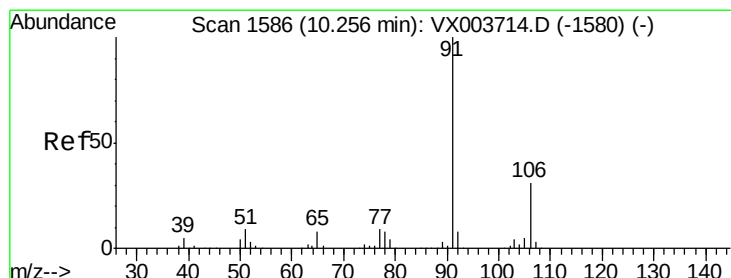
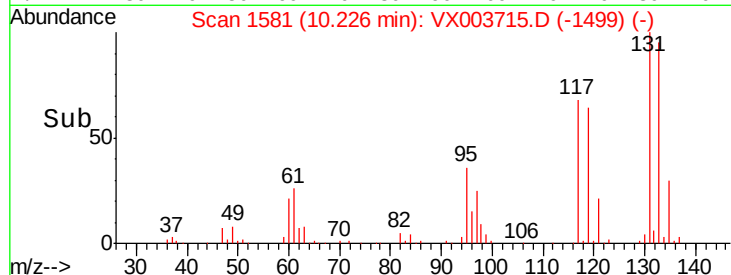
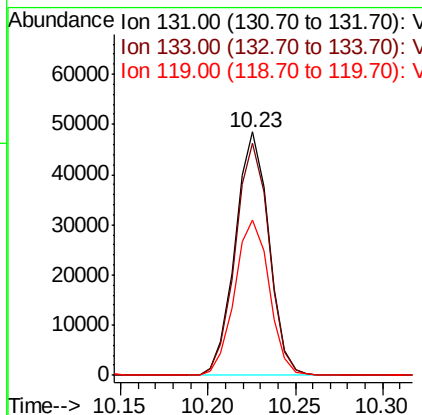
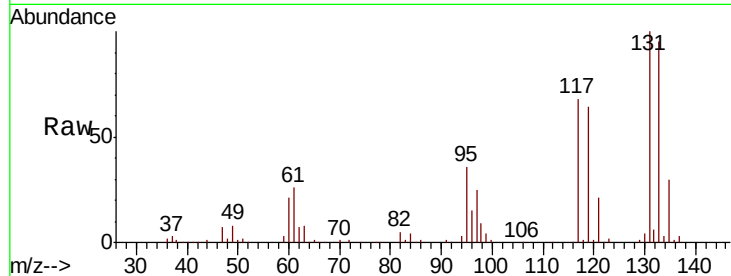
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	65217
Ion	Ratio	Lower	Upper
131	100		
133	95.7	0.0	191.2
119	65.4	0.0	125.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 47.221 ug/l

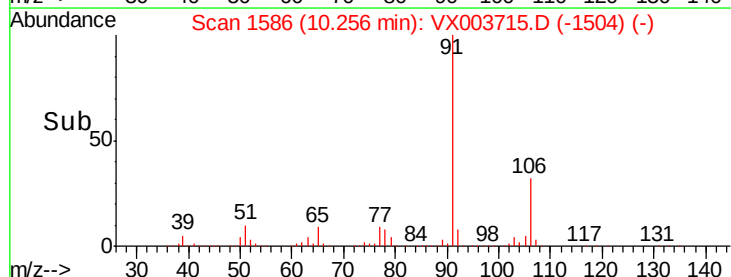
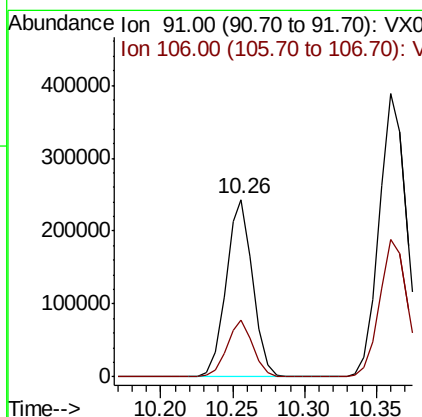
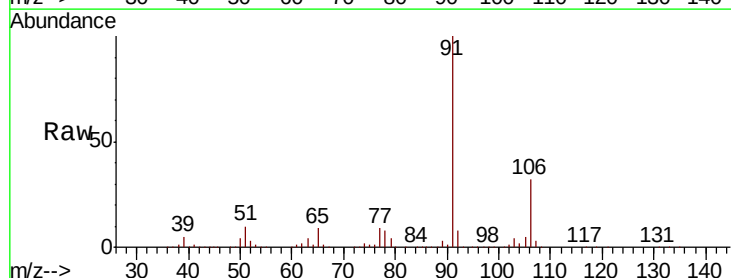
RT: 10.26 min Scan# 1586

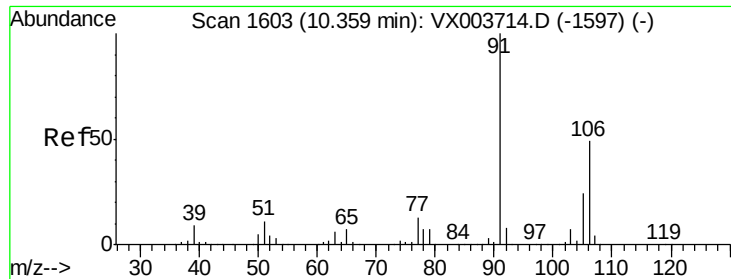
Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Tgt Ion:	91	Resp:	314022
Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.2	37.8





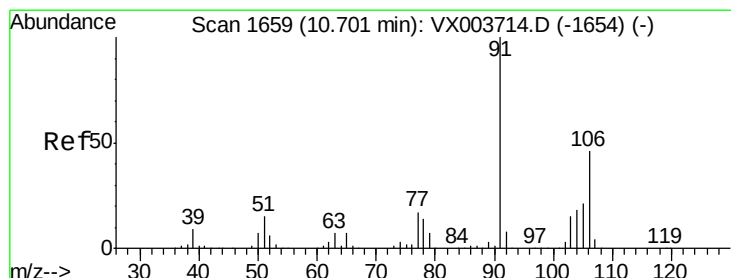
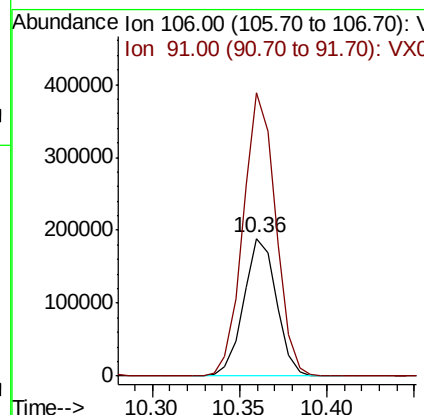
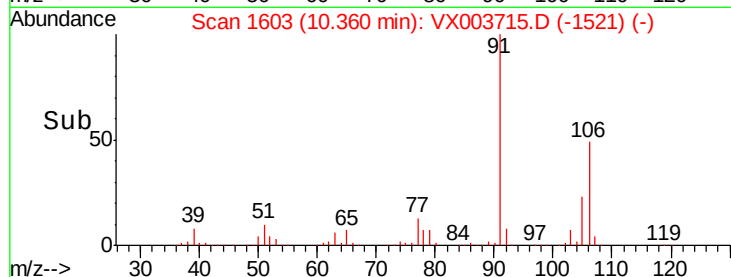
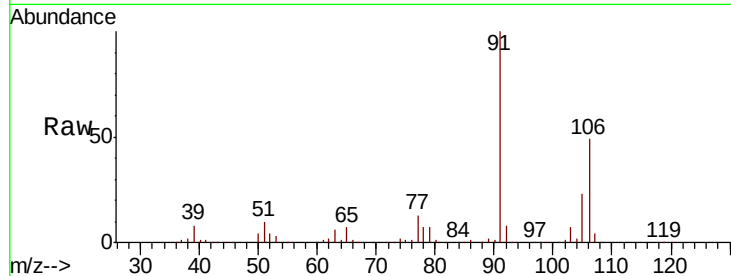
#67
m/p-Xylenes
Concen: 95.061 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 245981
Ion Ratio Lower Upper
106 100
91 204.2 164.1 246.1

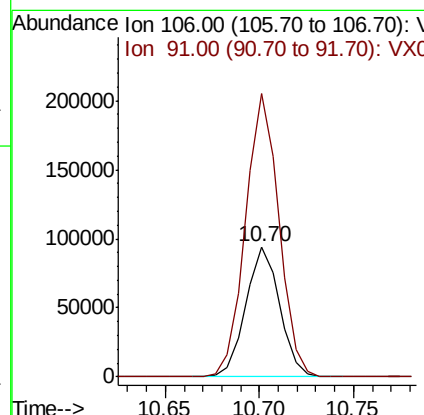
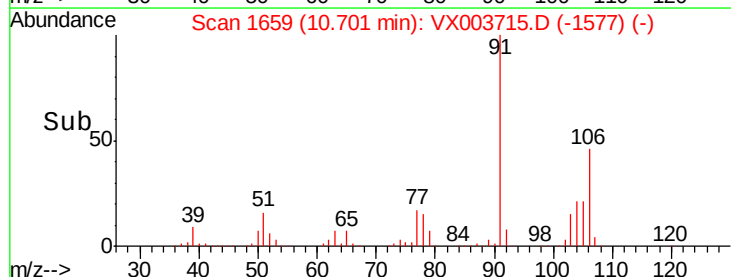
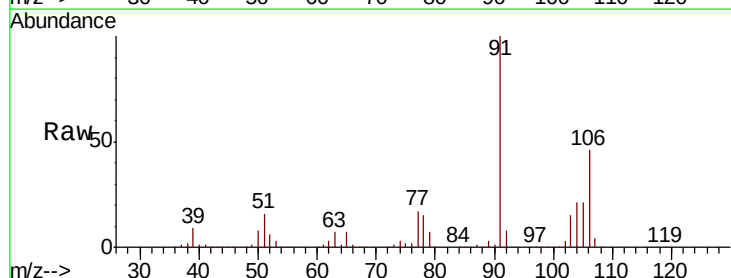
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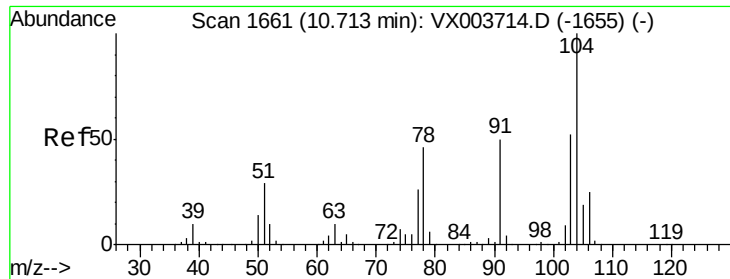
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#68
o-Xylene
Concen: 47.059 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion:106 Resp: 117163
Ion Ratio Lower Upper
106 100
91 215.6 109.1 327.3





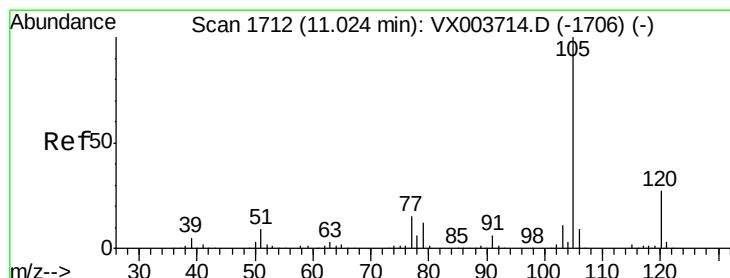
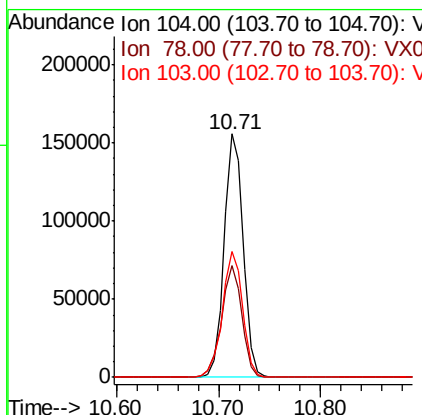
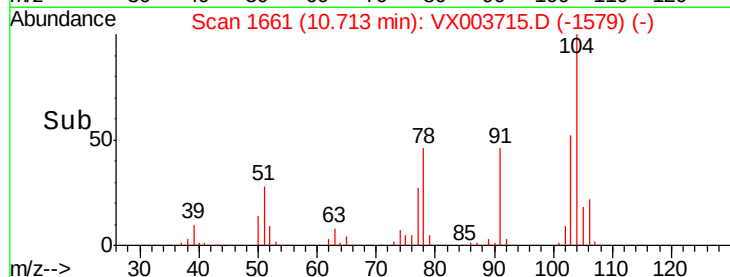
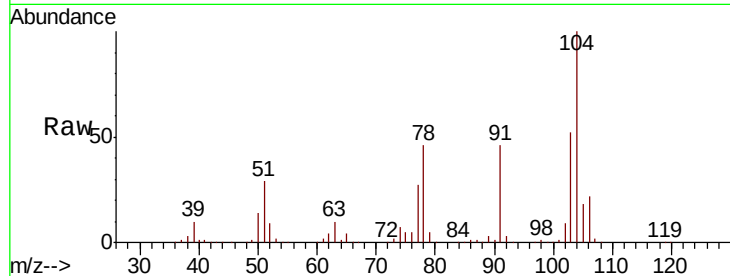
#69
Stvrene
Concen: 48.759 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	41.8	62.8
103	55.3	44.9	67.3

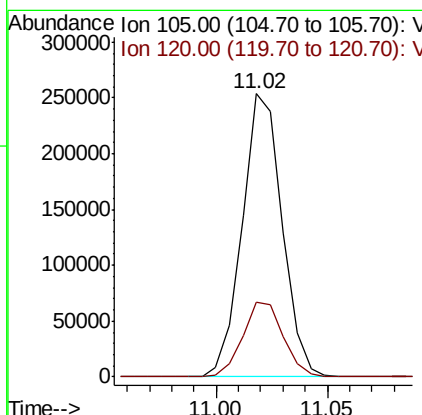
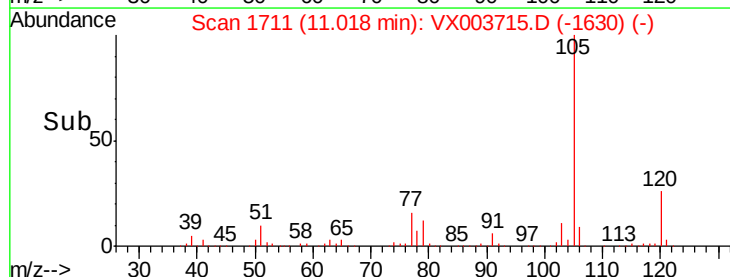
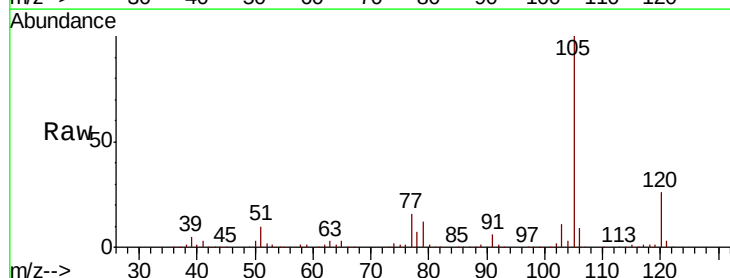
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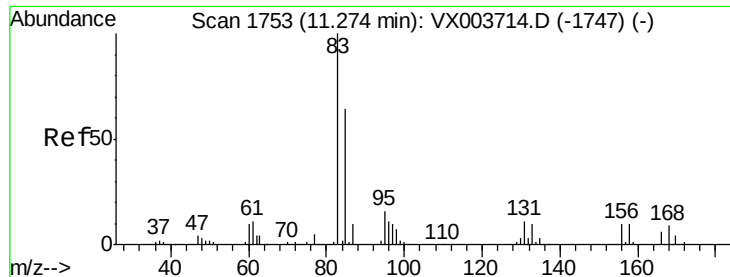
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#70
Isopropylbenzene
Concen: 48.220 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.0	35.2





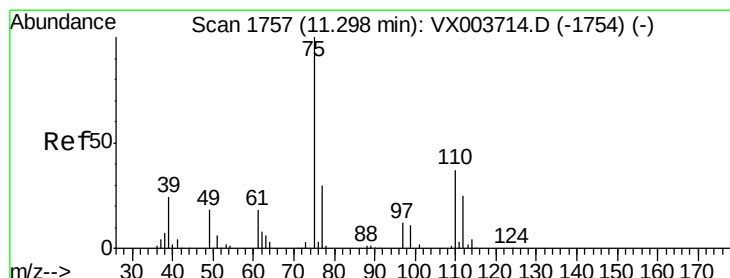
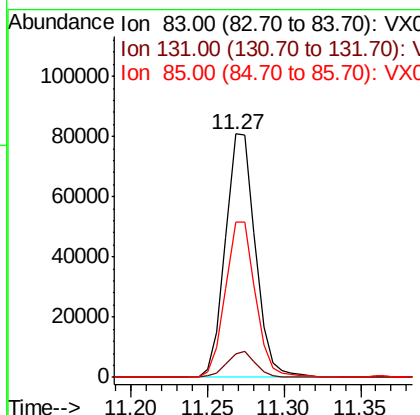
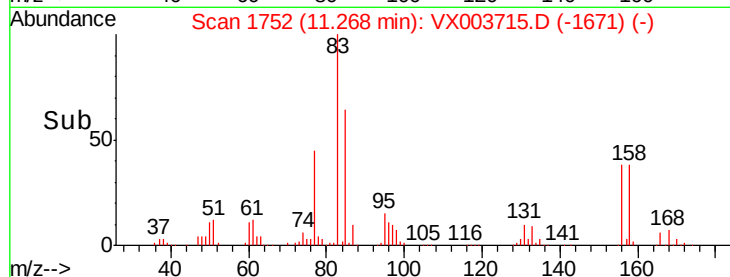
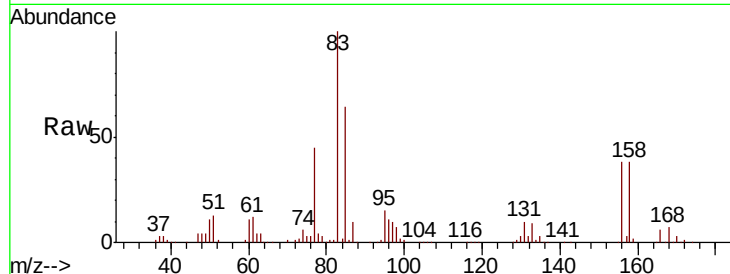
#71
 1,1,2,2-Tetrachloroethane
 Concen: 53.260 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC050

Tot Ion	83	Resp	110273
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.4	16.2
85	64.0	32.4	97.2

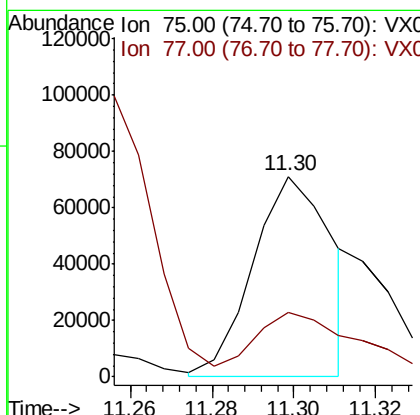
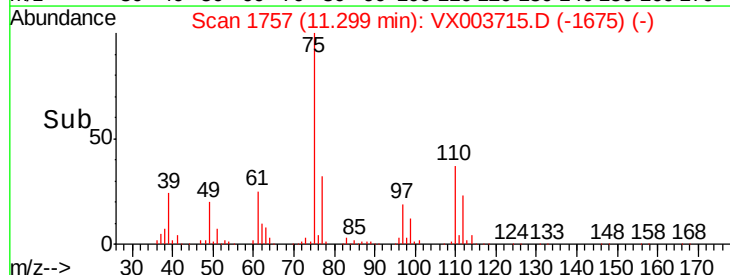
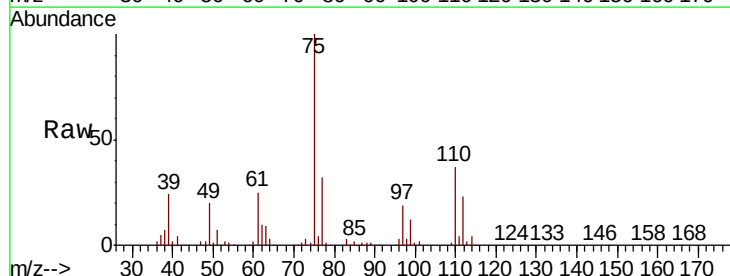
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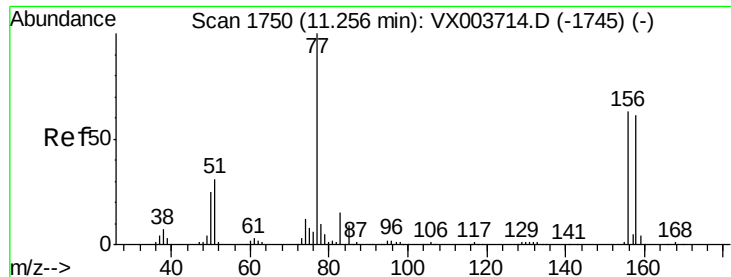
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#72
 1,2,3-Trichloropropane
 Concen: 39.265 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	75	Resp	95087
Ion	Ratio	Lower	Upper
75	100		
77	42.8	0.0	71.8





#73

Bromobenzene

Concen: 44.805 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

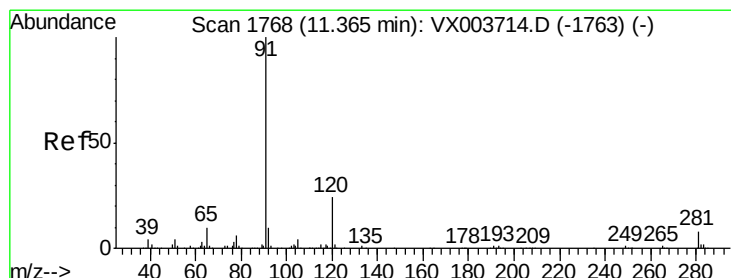
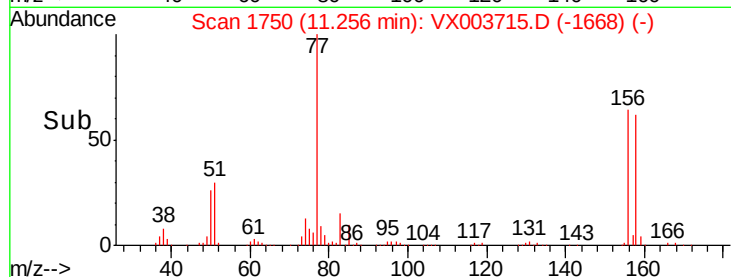
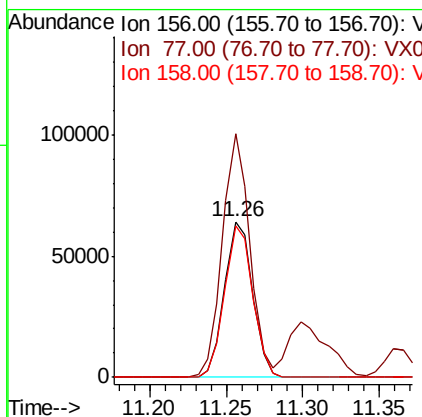
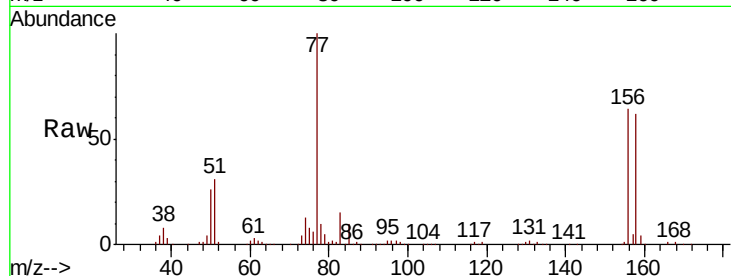
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	82220
Ion Ratio	Lower	Upper	
156	100		
77	152.0	0.0	301.0
158	97.2	0.0	196.2

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#74

n-propylbenzene

Concen: 49.029 ug/l

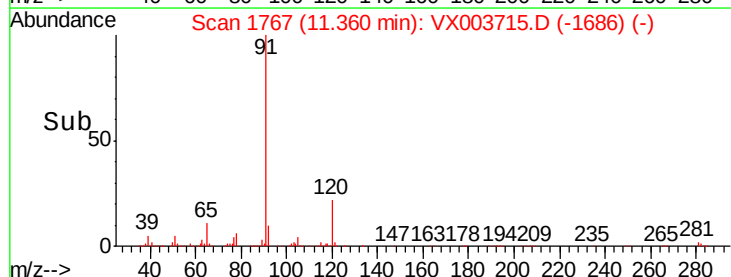
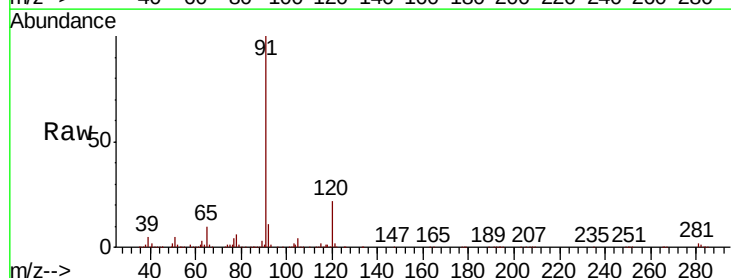
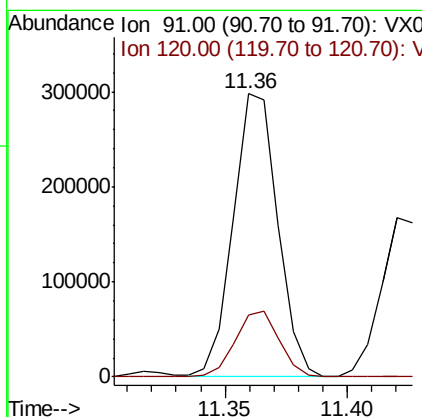
RT: 11.36 min Scan# 1767

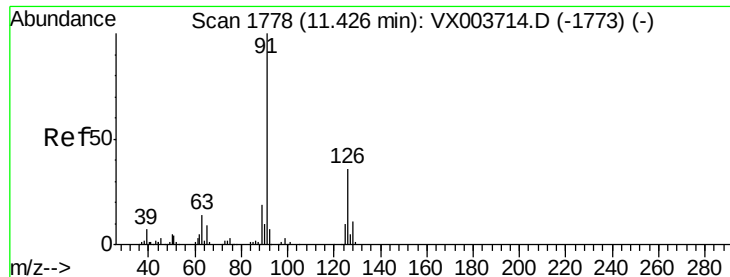
Delta R.T. -0.01 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Tgt Ion:	91	Resp:	376988
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	46.2





#75

2-Chlorotoluene

Concen: 47.596 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 218908

Ion Ratio Lower Upper

91 100

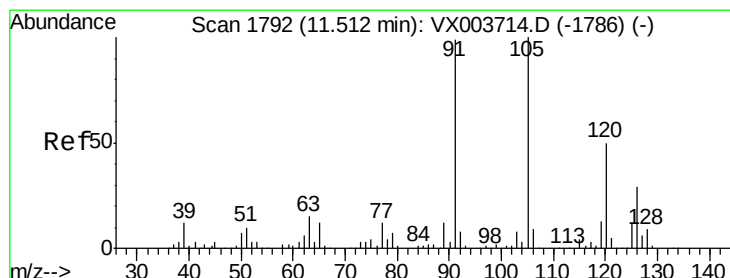
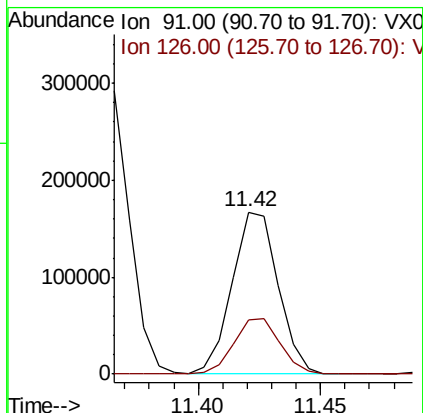
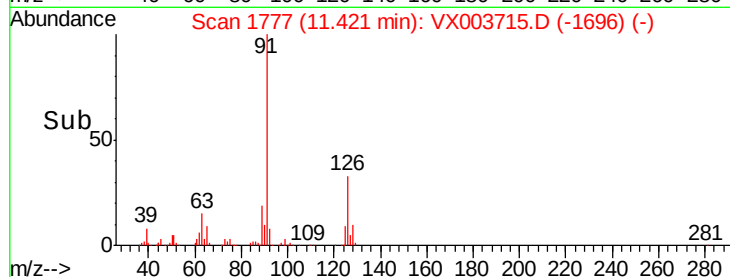
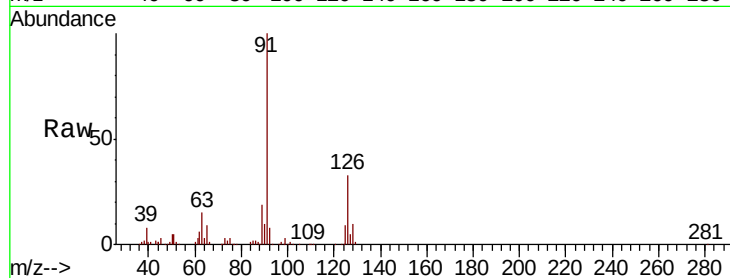
126 34.6 0.0 69.4

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#76

1,3,5-Trimethylbenzene

Concen: 48.592 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003715.D

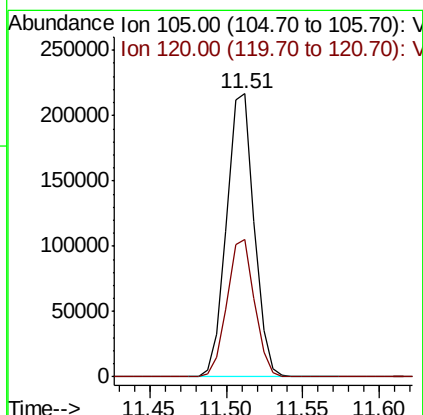
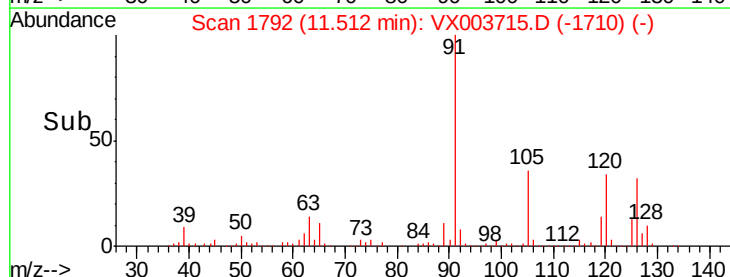
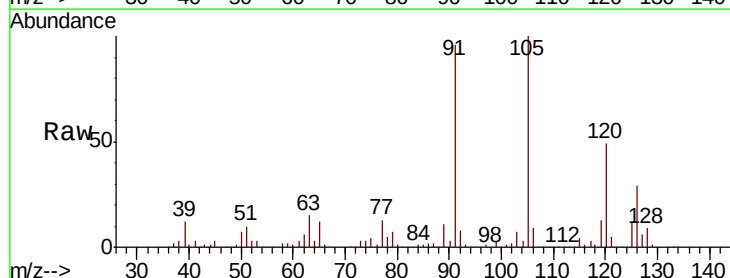
Acq: 27 Jul 2018 14:24

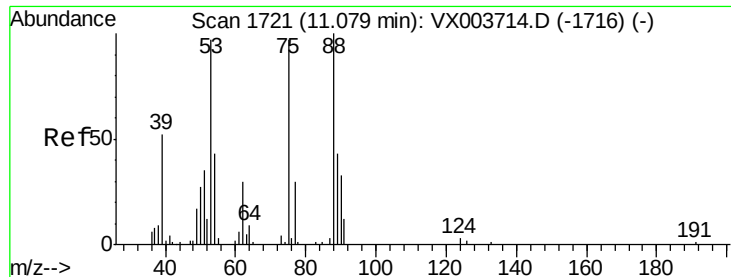
Tgt Ion: 105 Resp: 271450

Ion Ratio Lower Upper

105 100

120 48.4 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 56.192 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 75 Resp: 32498

Ion Ratio Lower Upper

75 100

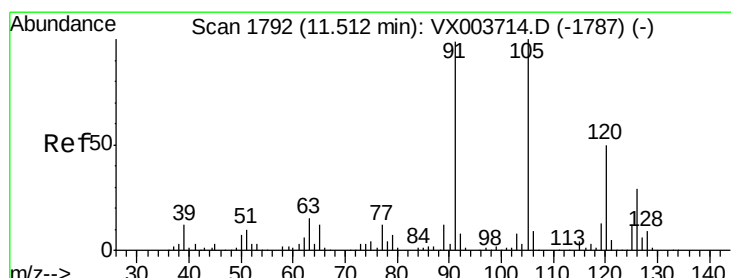
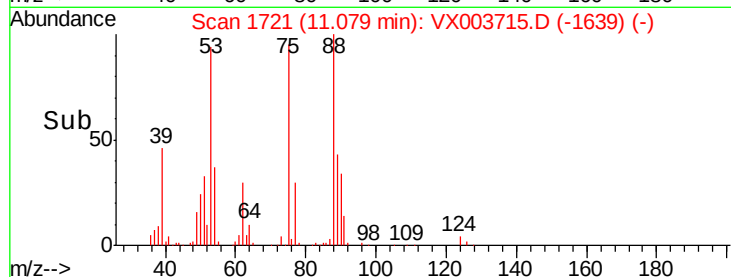
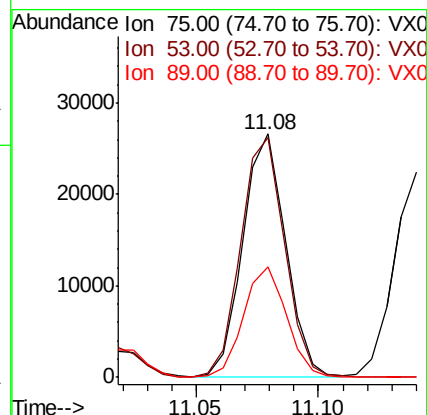
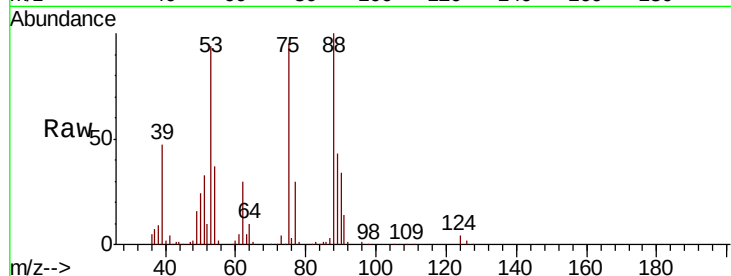
53 99.0 48.3 144.9

89 45.4 21.8 65.4

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#78

4-Chlorotoluene

Concen: 47.678 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003715.D

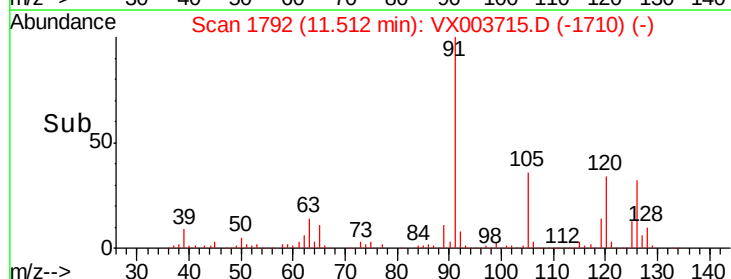
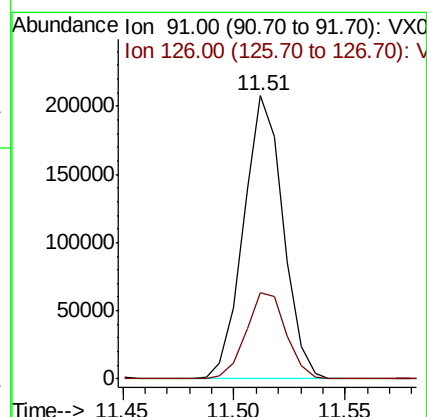
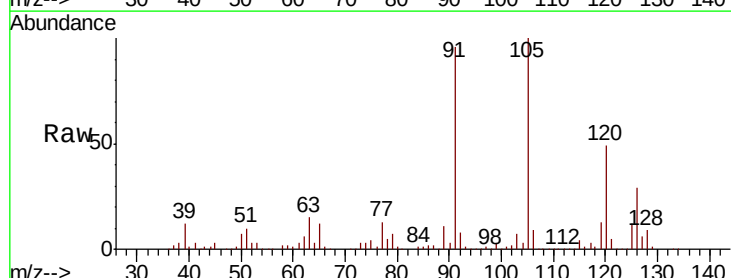
Acq: 27 Jul 2018 14:24

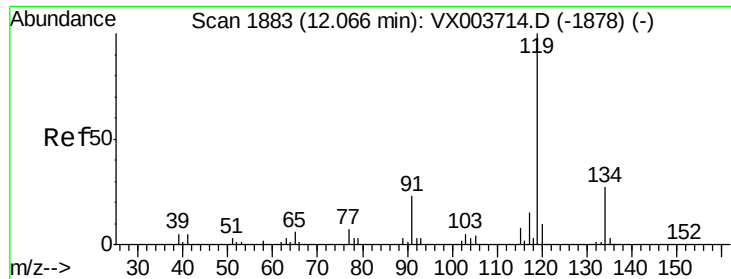
Tgt Ion: 91 Resp: 256155

Ion Ratio Lower Upper

91 100

126 30.8 0.0 61.0





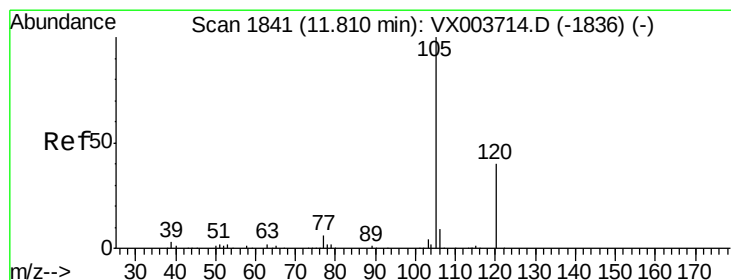
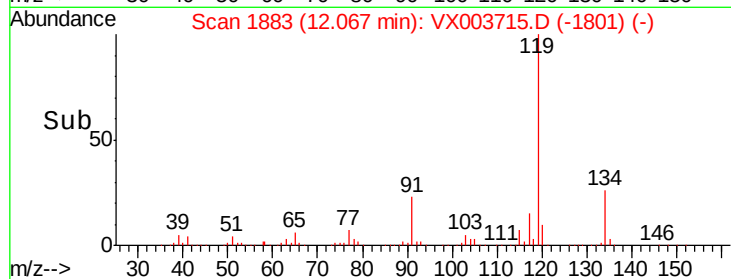
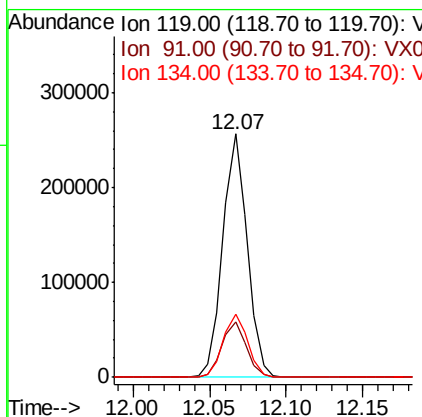
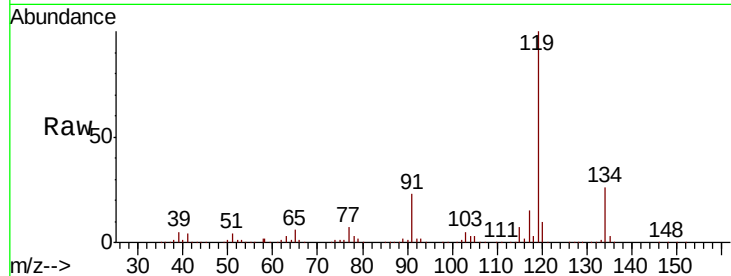
#79
tert-butylbenzene
Concen: 48.033 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284185		
91	22.8	0.0	48.0	
134	26.3	0.0	52.6	

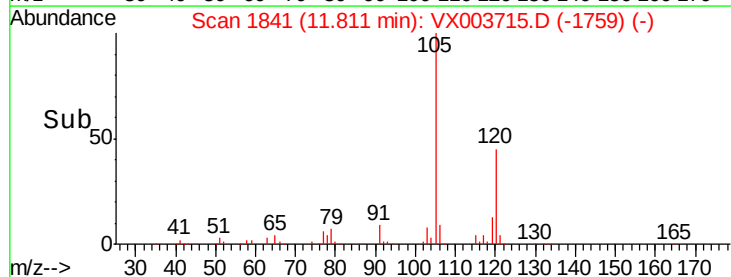
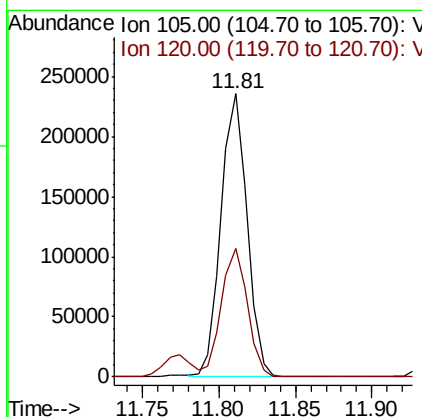
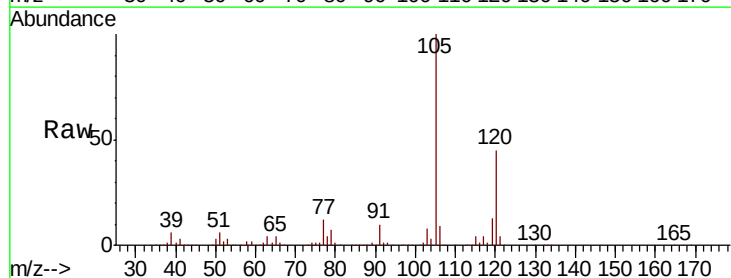
Manual Integrations
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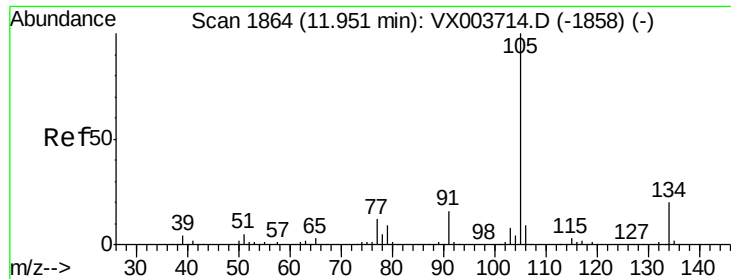
MMDadoda
7/30/2018 3:42:29 PM



#80
1,2,4-Trimethylbenzene
Concen: 49.213 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279351		
120	45.3	0.0	89.2	





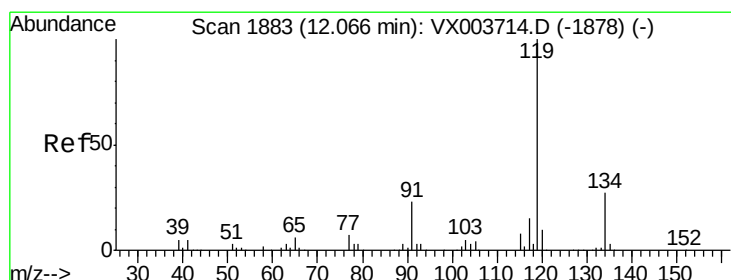
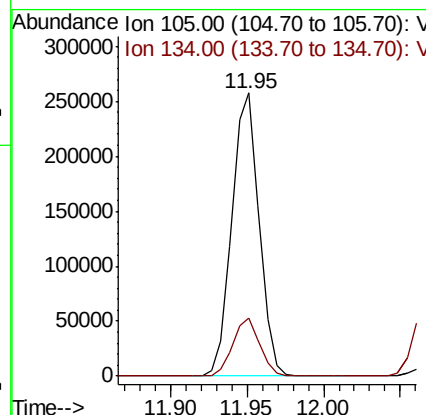
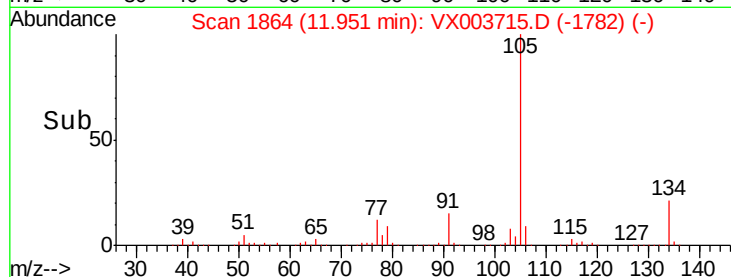
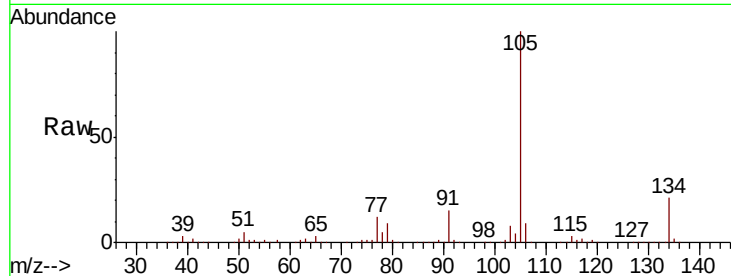
#81
 sec-Butylbenzene
 Concen: 47.877 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	41.6

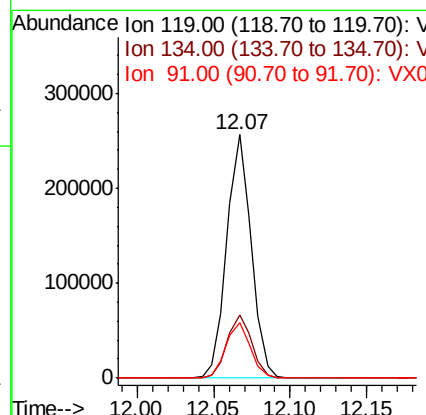
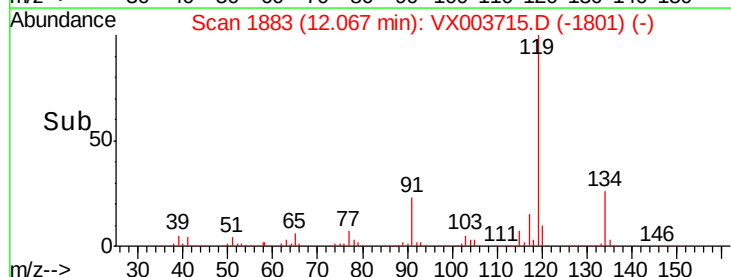
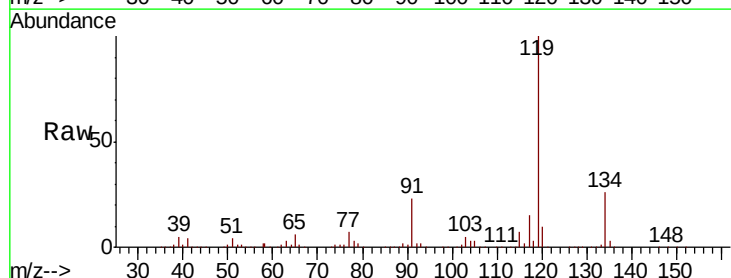
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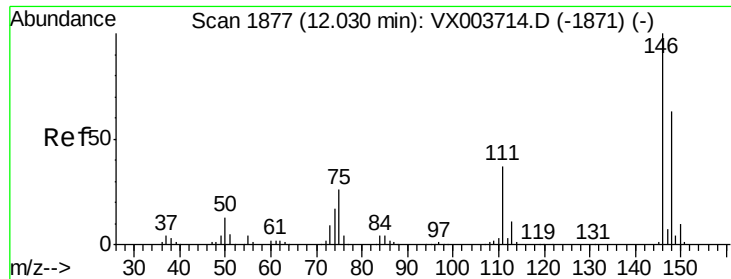
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 48.033 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	52.6
91	22.8	0.0	48.0





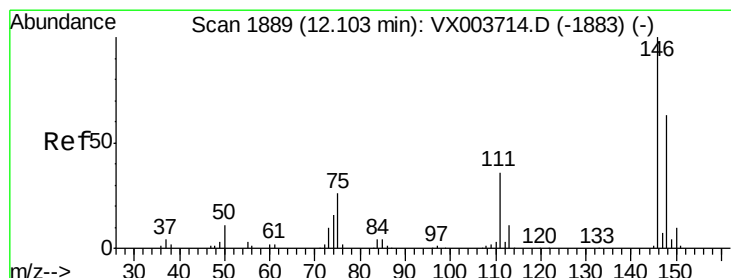
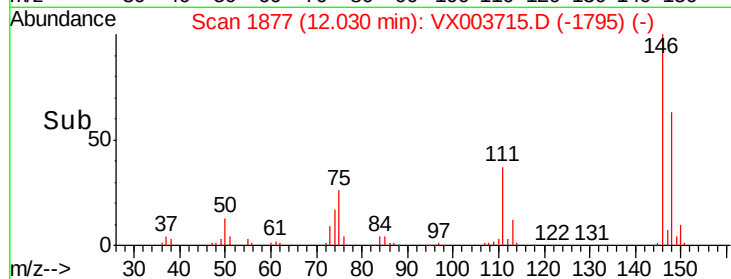
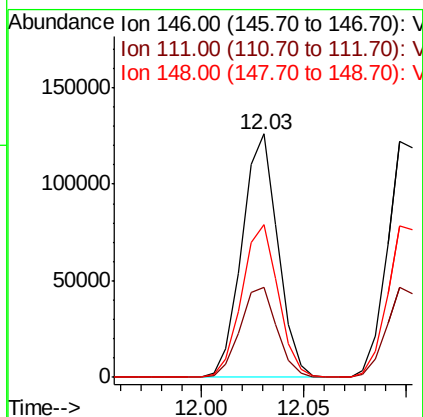
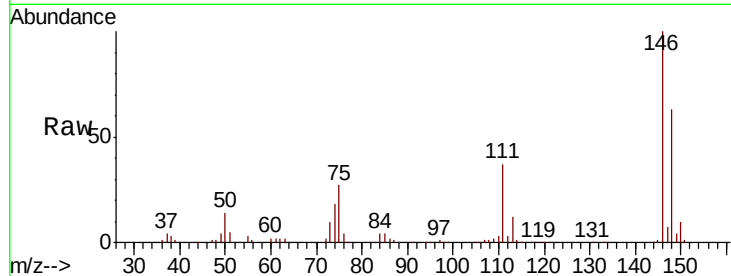
#83
 1,3-Dichlorobenzene
 Concen: 45.304 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	63.5	31.9	95.7

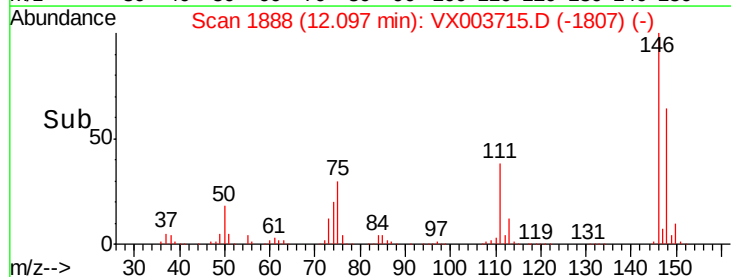
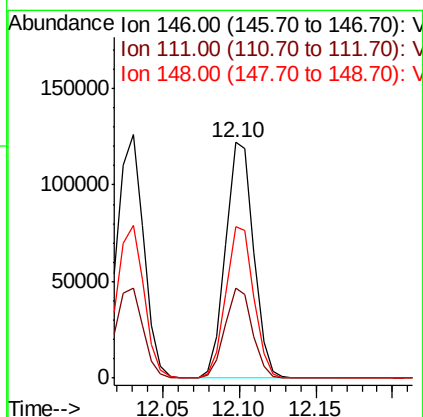
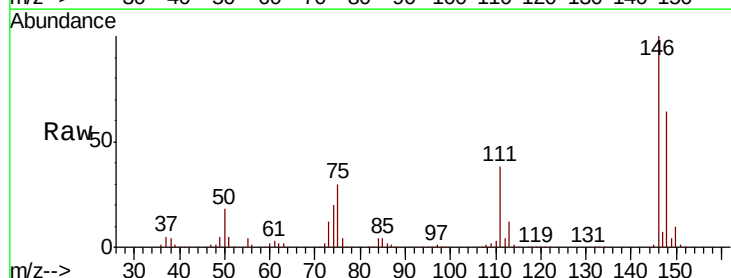
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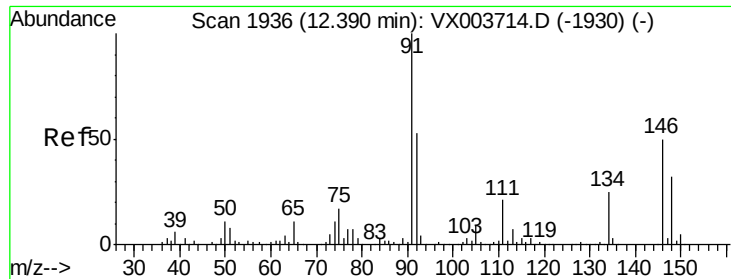
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#84
 1,4-Dichlorobenzene
 Concen: 45.256 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	64.0	32.0	96.0





#85

n-Butylbenzene

Concen: 48.426 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Instrument :

MSVOA_X

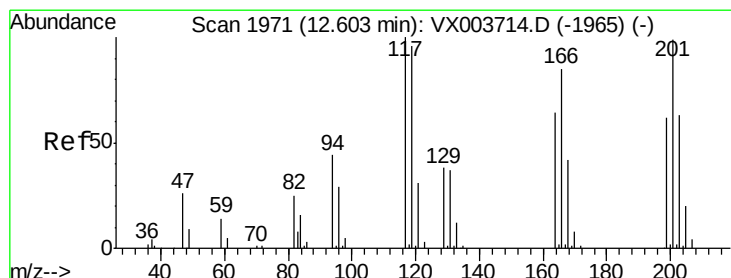
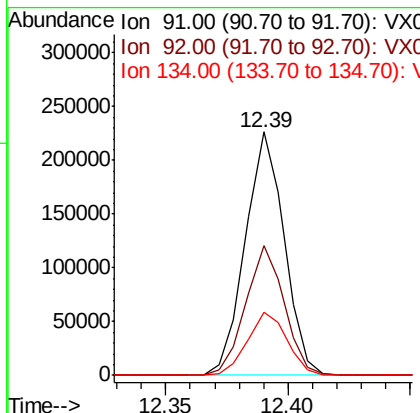
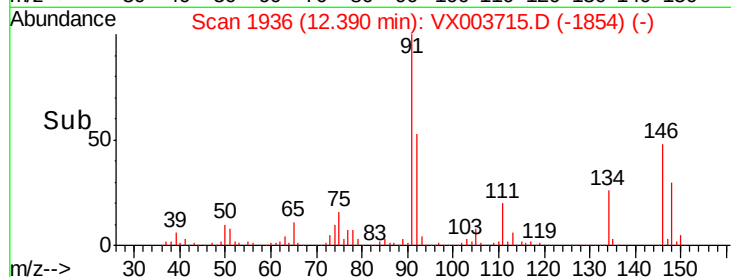
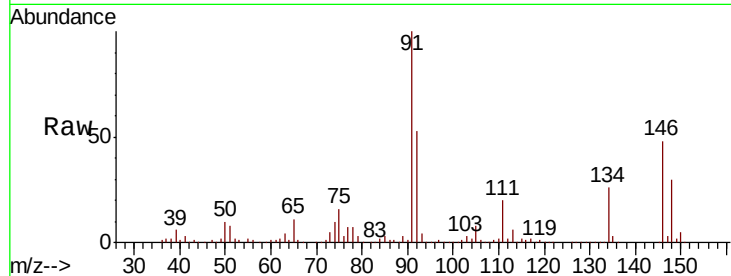
ClientSampleId :

VSTDIC050

Tot Ion:	91	Resp:	251551
Ion Ratio	Lower	Upper	
91	100		
92	52.7	0.0	105.2
134	26.2	0.0	53.2

Manual Integrations
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#86

Hexachloroethane

Concen: 51.704 ug/l

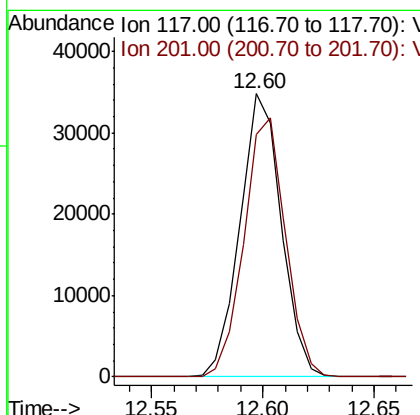
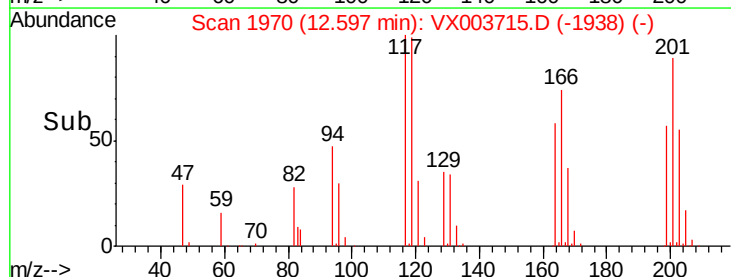
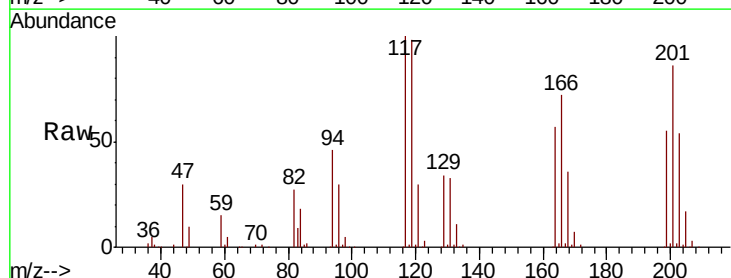
RT: 12.60 min Scan# 1970

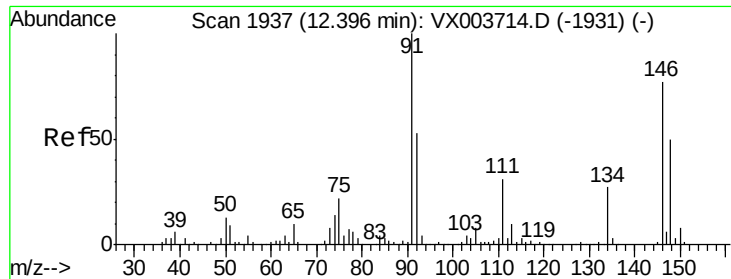
Delta R.T. -0.01 min

Lab File: VX003715.D

Acq: 27 Jul 2018 14:24

Tgt Ion:	117	Resp:	45029
Ion Ratio	Lower	Upper	
117	100		
201	91.9	47.6	142.8





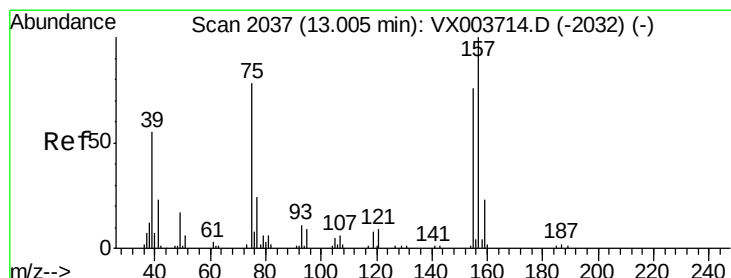
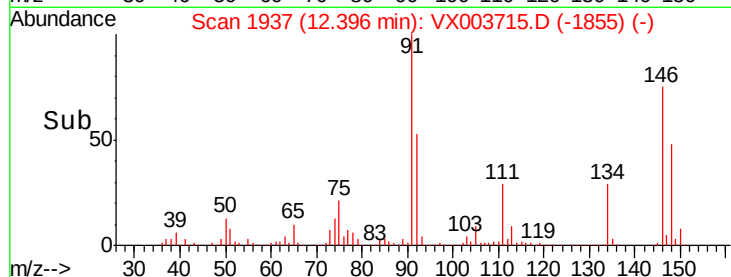
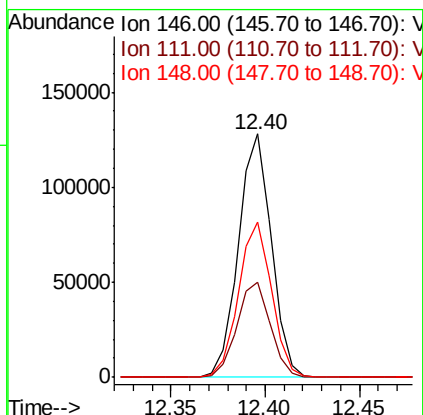
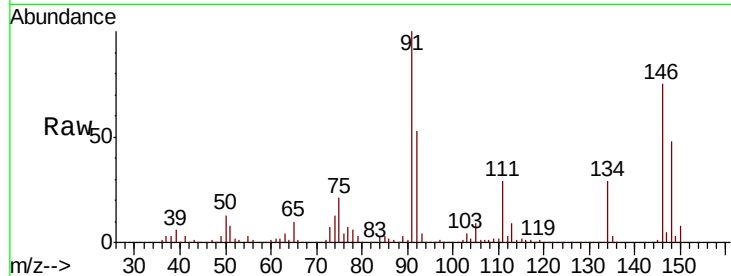
#87
 1,2-Dichlorobenzene
 Concen: 45.616 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.1	32.8	98.3

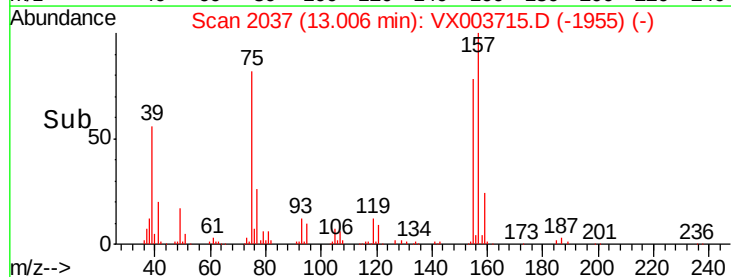
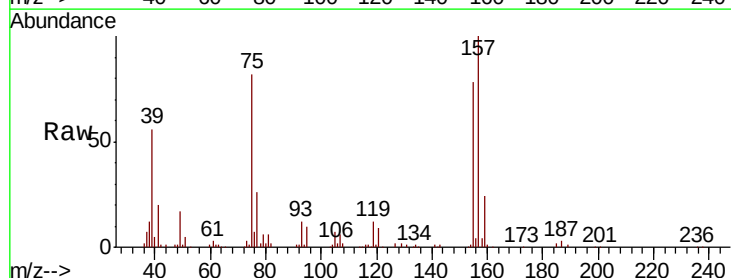
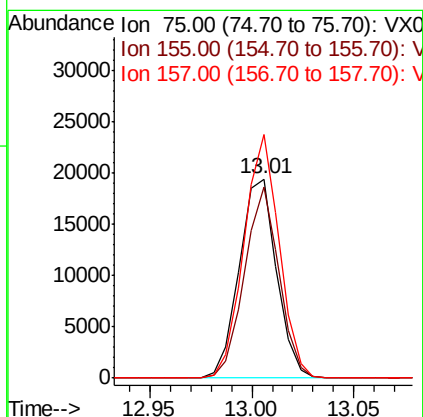
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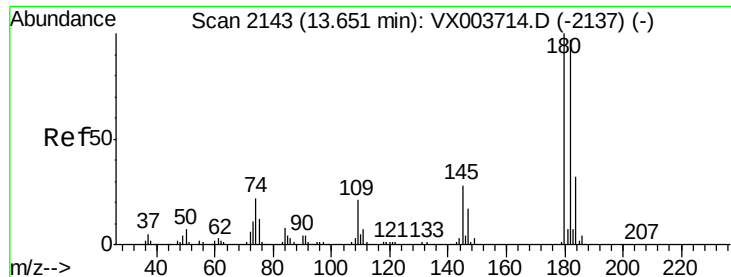
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 57.620 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	73.1	109.7
157	114.9	93.1	139.7





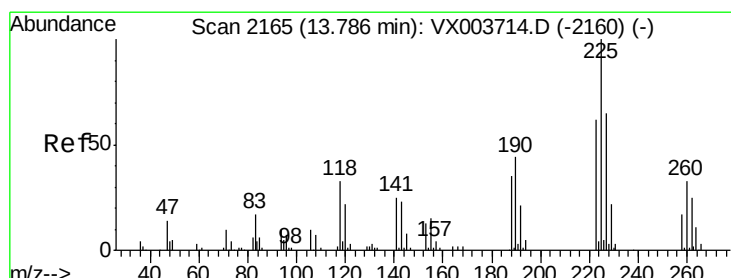
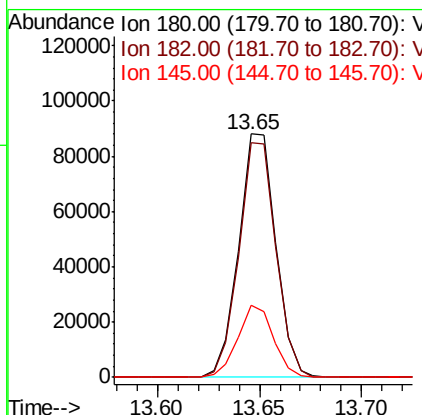
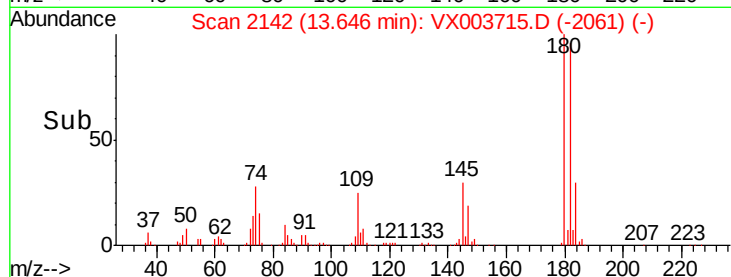
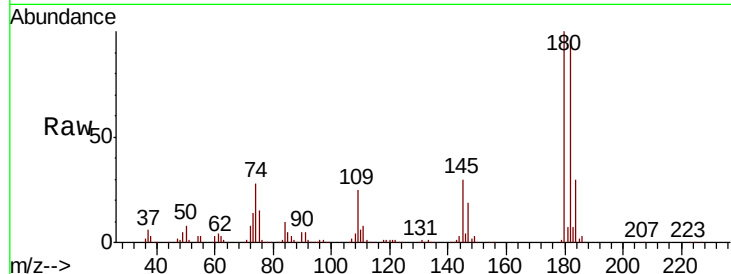
#89
 1,2,4-Trichlorobenzene
 Concen: 45.557 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111165		
182	96.0	76.4	114.6	
145	28.5	22.9	34.3	

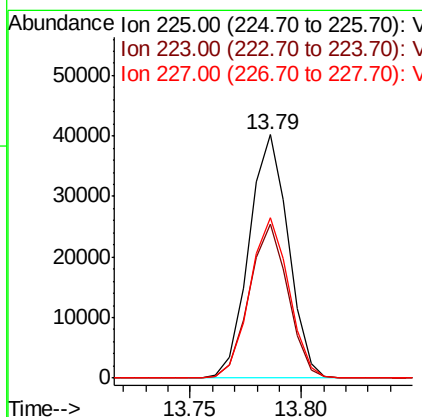
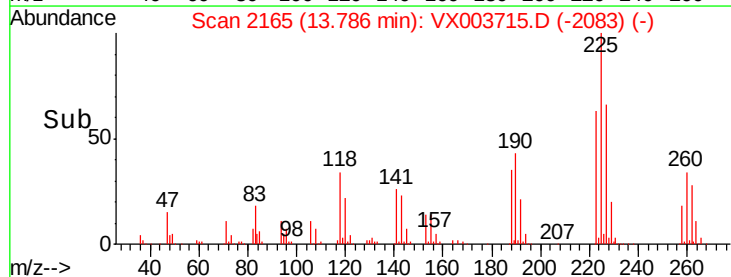
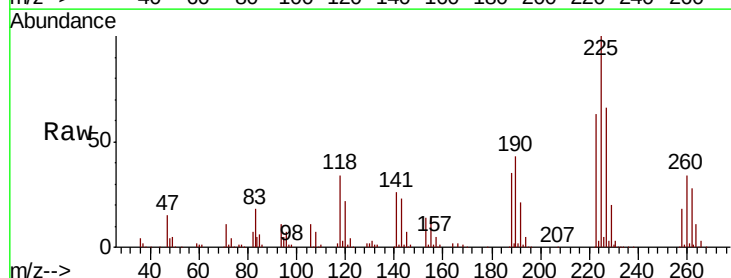
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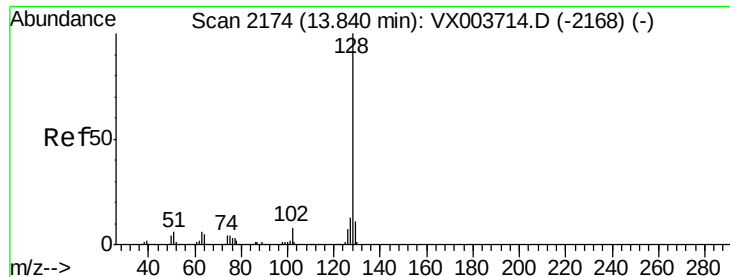
MMDadoda
 7/30/2018 3:42:29 PM



#90
 Hexachlorobutadiene
 Concen: 41.398 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003715.D
 Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49495		
223	62.3	0.0	122.4	
227	65.3	0.0	128.0	





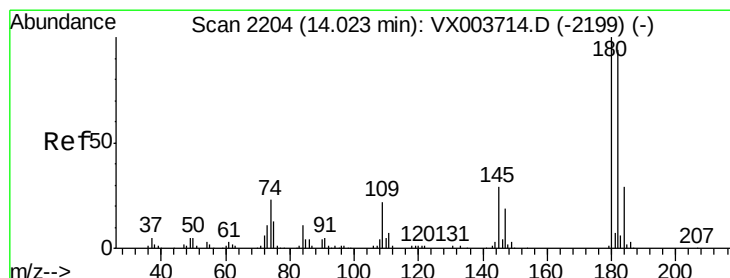
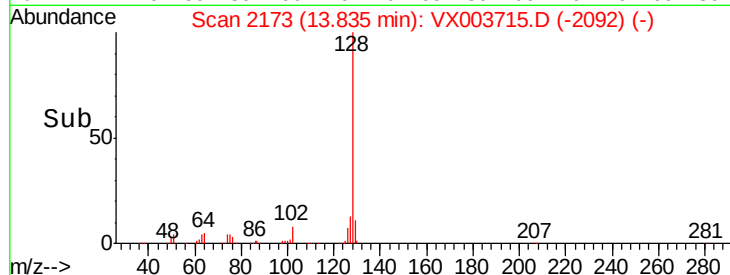
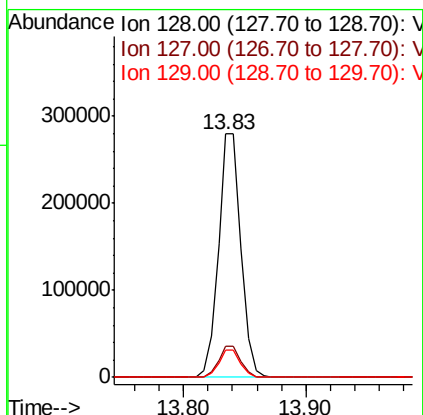
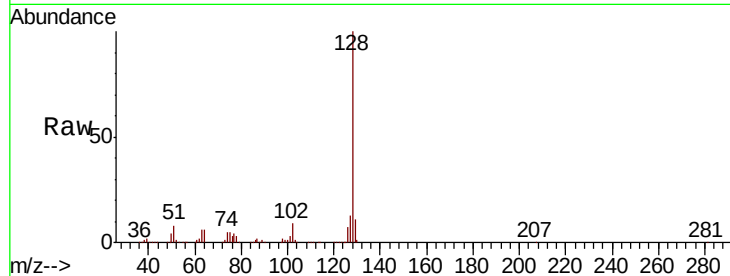
#91
Naphthalene
Concen: 50.507 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 46.222 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003715.D
Acq: 27 Jul 2018 14:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	191.0
145	30.4	0.0	60.6

