

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005828.D
 Acq On : 07 Nov 2018 14:45
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110718

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:42 AM

Quant Time: Nov 07 15:06:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	127029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	175532	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	151585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	75397	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	5.49	113	59791	50.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	8.71	98	198841	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.14	95	73092	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59126	51.624	ug/l	94
3) Chloromethane	1.32	50	80569	53.603	ug/l	94
4) Vinyl Chloride	1.41	62	74667	49.483	ug/l	95
5) Bromomethane	1.64	94	46769	50.648	ug/l	87
6) Chloroethane	1.71	64	43055	47.821	ug/l	97
7) Trichlorofluoromethane	1.92	101	98561	49.208	ug/l	97
8) Diethyl Ether	2.19	74	40477	51.574	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57798	50.174	ug/l	98
10) Methyl Iodide	2.51	142	64488	46.190	ug/l	97
11) Tert butyl alcohol	3.08	59	100489	240.207	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53788	47.905	ug/l	88
13) Acrolein	2.29	56	54145	269.800	ug/l	97
14) Allyl chloride	2.73	41	122739	48.945	ug/l	100
15) Acrylonitrile	3.15	53	218456	251.977	ug/l	99
16) Acetone	2.45	43	209599	266.565	ug/l	97
17) Carbon Disulfide	2.56	76	183246	54.715	ug/l	98
18) Methyl Acetate	2.78	43	112511	53.498	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	195433	50.998	ug/l	93
20) Methylene Chloride	2.85	84	60275	46.666	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	58279	49.211	ug/l	96
22) Diisopropyl ether	3.87	45	218084	49.645	ug/l	# 92
23) Vinyl Acetate	3.82	43	953401	253.126	ug/l	100
24) 1,1-Dichloroethane	3.70	63	114258	48.752	ug/l	100
25) 2-Butanone	4.71	43	328166	265.467	ug/l	97
26) 2,2-Dichloropropane	4.59	77	91741	53.363	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	67999	52.001	ug/l	99
28) Bromochloromethane	5.01	49	58010	55.383	ug/l	98
29) Tetrahydrofuran	5.15	42	211109	265.973	ug/l	99
30) Chloroform	5.21	83	109877	48.594	ug/l	99
31) Cyclohexane	5.57	56	104680	51.454	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	97843	51.879	ug/l	98
36) 1,1-Dichloropropene	5.80	75	84962	50.209	ug/l	97
37) Ethyl Acetate	4.86	43	113837	51.157	ug/l	99
38) Carbon Tetrachloride	5.78	117	86377	50.988	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	88046	51.337	ug/l #	86
40) Benzene	6.13	78	255199	51.732	ug/l	94
41) Methacrylonitrile	5.06	41	64454	53.604	ug/l	98
42) 1,2-Dichloroethane	6.20	62	88490	50.082	ug/l	100
43) Isopropyl Acetate	6.46	43	167027	51.801	ug/l	97
44) Trichloroethene	7.21	130	61733	49.277	ug/l	91
45) 1,2-Dichloropropane	7.52	63	61122	51.048	ug/l	97
46) Dibromomethane	7.66	93	39768	52.929	ug/l	94
47) Bromodichloromethane	7.90	83	71840	50.594	ug/l	98
48) Methyl methacrylate	7.77	41	75496	52.145	ug/l	100
49) 1,4-Dioxane	7.75	88	34056	1091.596	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	524351	258.029	ug/l	96
52) Toluene	8.79	92	132080	47.907	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	82920	49.485	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	89955	52.669	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	60266	49.047	ug/l #	90
56) Ethyl methacrylate	9.18	69	98641	53.653	ug/l	97
57) 1,3-Dichloropropane	9.37	76	98053	47.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	247051	246.717	ug/l	100
59) 2-Hexanone	9.49	43	447856	250.025	ug/l	95
60) Dibromochloromethane	9.59	129	66677	50.211	ug/l	98
61) 1,2-Dibromoethane	9.68	107	64158	47.220	ug/l	99
64) Tetrachloroethene	9.34	164	68382	52.985	ug/l #	80
65) Chlorobenzene	10.14	112	152585	50.246	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	54593	51.711	ug/l	99
67) Ethyl Benzene	10.25	91	260872	53.573	ug/l	99
68) m/p-Xylenes	10.36	106	200341	107.861	ug/l	100
69) o-Xylene	10.70	106	95212	57.166	ug/l	100
70) Styrene	10.71	104	160480	58.409	ug/l	99
71) Bromoform	10.86	173	49215	55.609	ug/l #	100
73) Isopropylbenzene	11.02	105	263788	55.772	ug/l	99
74) N-amyl acetate	10.90	43	133902	50.445	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	89603	51.613	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	87185m	52.351	ug/l	
77) Bromobenzene	11.26	156	68724	51.551	ug/l	100
78) n-propylbenzene	11.36	91	308617	55.366	ug/l	99
79) 2-Chlorotoluene	11.42	91	180308	53.516	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	225301	56.054	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28121	53.817	ug/l	99
82) 4-Chlorotoluene	11.51	91	215751	54.335	ug/l	100
83) tert-Butylbenzene	11.77	119	221355	54.437	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	232545	52.432	ug/l	100
85) sec-Butylbenzene	11.94	105	270183	54.336	ug/l	100
86) p-Isopropyltoluene	12.07	119	243984	55.395	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	129434	50.590	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	130951	49.998	ug/l	99
89) n-Butylbenzene	12.39	91	223977	54.868	ug/l	100
90) Hexachloroethane	12.60	117	39551	53.785	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	129219	50.417	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23372	55.170	ug/l	98

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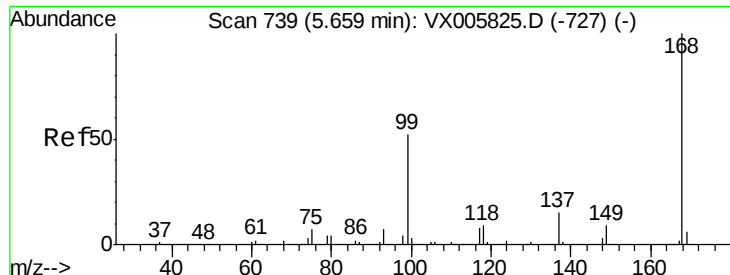
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99664	55.237	ug/l	99
94) Hexachlorobutadiene	13.78	225	50089	52.849	ug/l	99
95) Naphthalene	13.83	128	305747	51.914	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	100640	54.750	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion:168 Resp: 127029

Ion Ratio Lower Upper

168 100

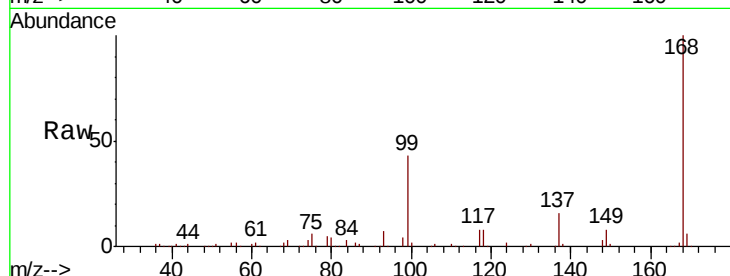
99 43.0 40.7 61.1

Manual Integrations

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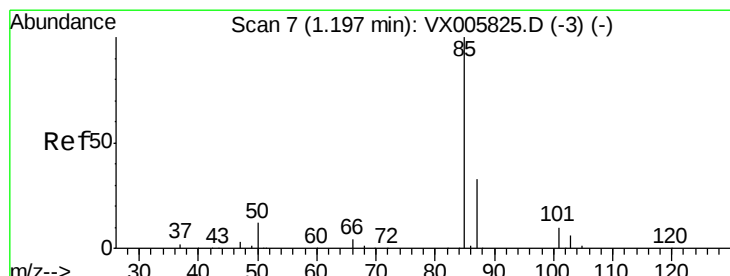
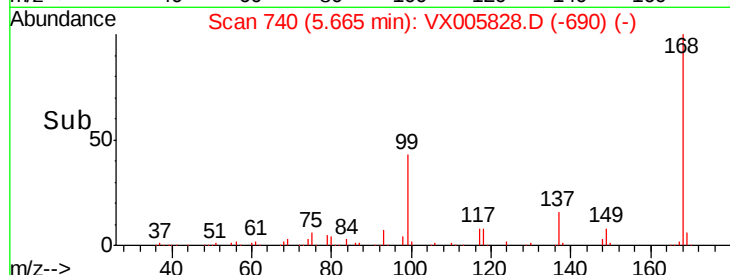
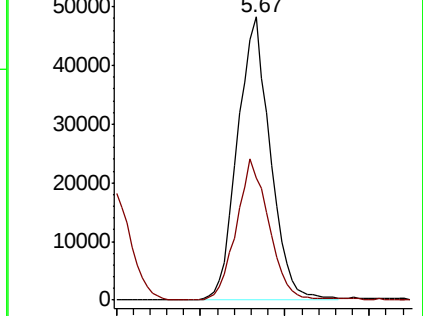
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.624 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005828.D

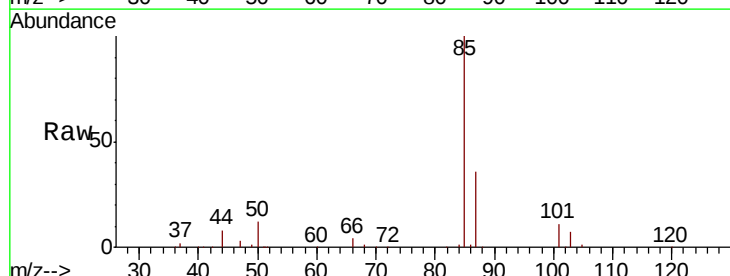
Acq: 07 Nov 2018 14:45

Tgt Ion: 85 Resp: 59126

Ion Ratio Lower Upper

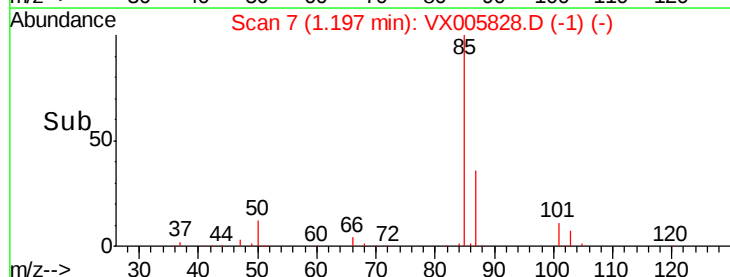
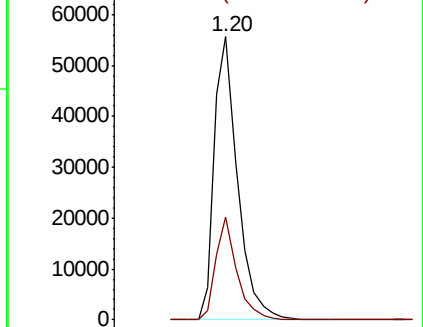
85 100

87 36.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 53.603 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 50 Resp: 80569

Ion Ratio Lower Upper

50 100

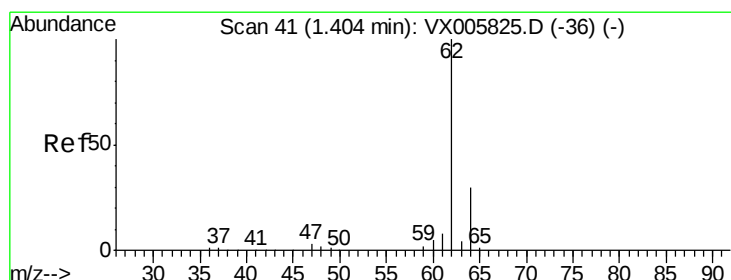
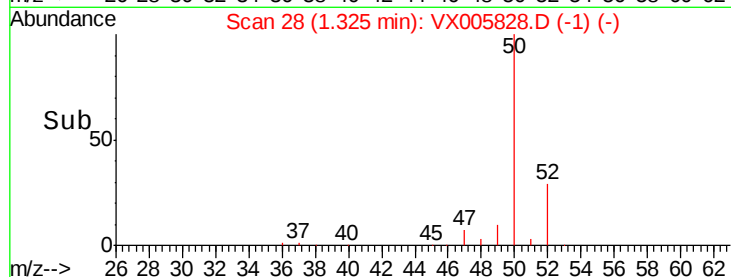
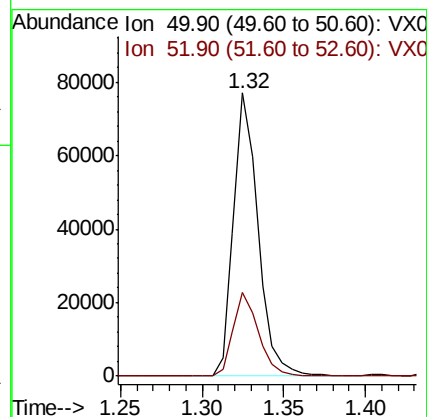
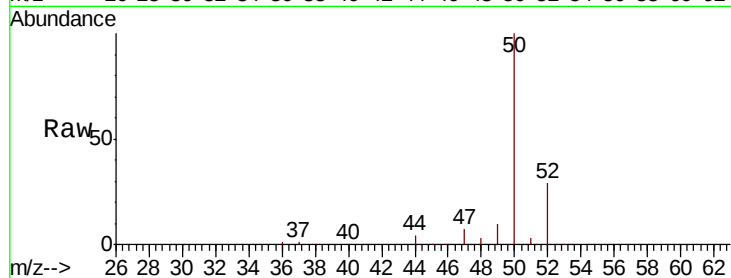
52 29.4 26.2 39.2

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#4

Vinyl Chloride

Concen: 49.483 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005828.D

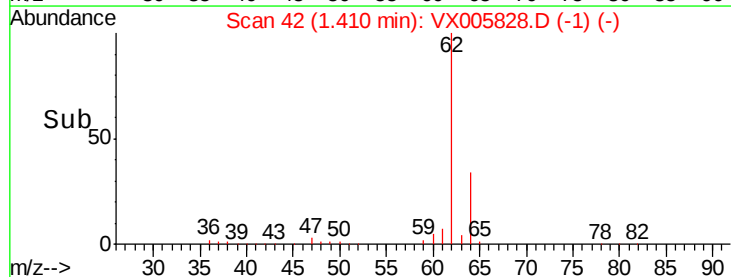
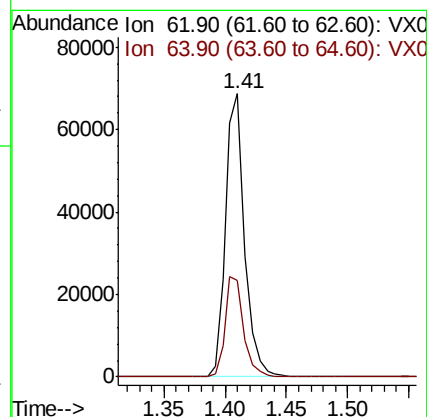
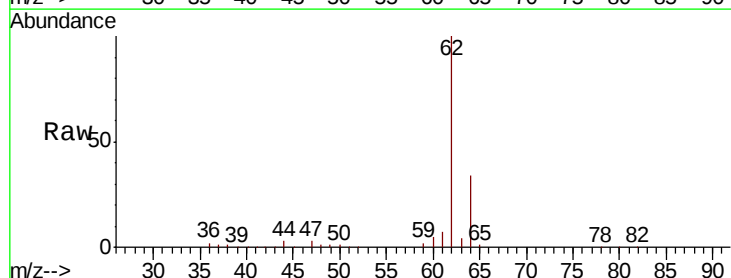
Acq: 07 Nov 2018 14:45

Tgt Ion: 62 Resp: 74667

Ion Ratio Lower Upper

62 100

64 34.2 25.3 37.9





#5

Bromomethane

Concen: 50.648 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 94 Resp: 46769

Ion Ratio Lower Upper

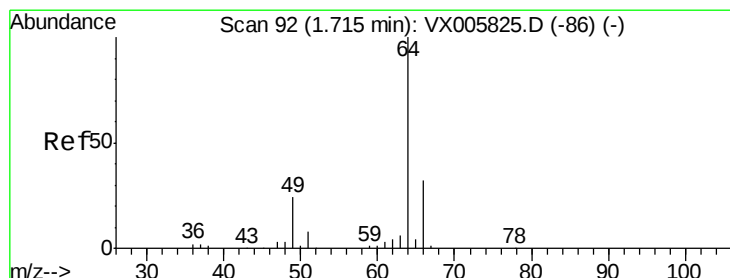
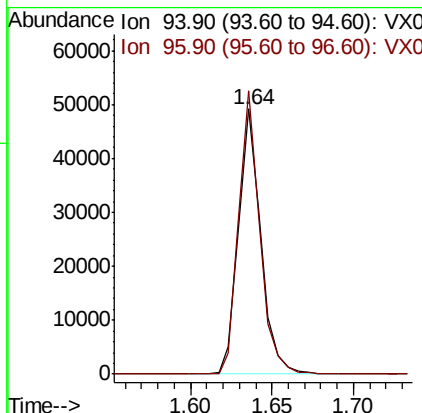
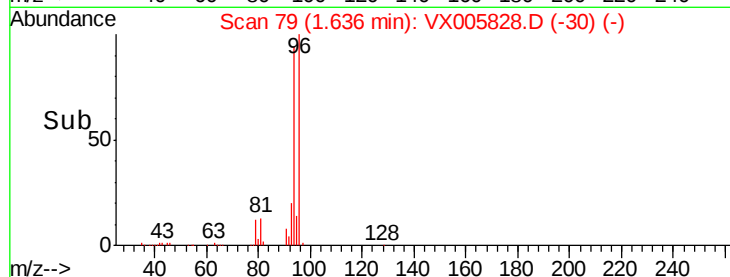
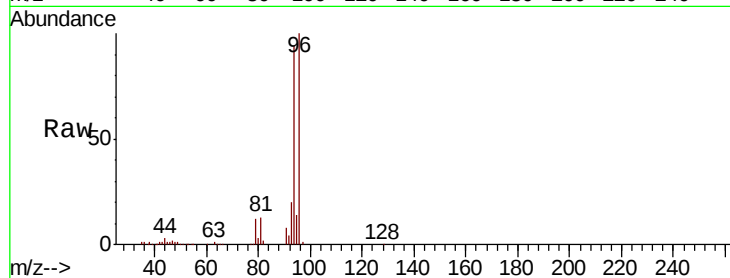
94 100

96 106.7 75.2 112.8

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#6

Chloroethane

Concen: 47.821 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005828.D

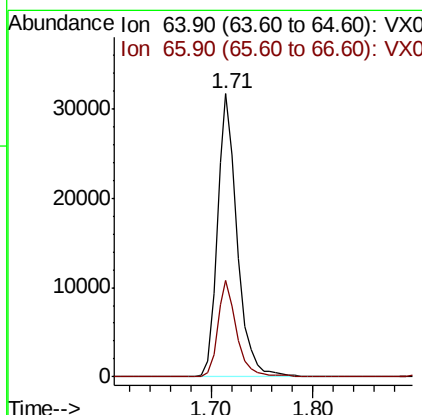
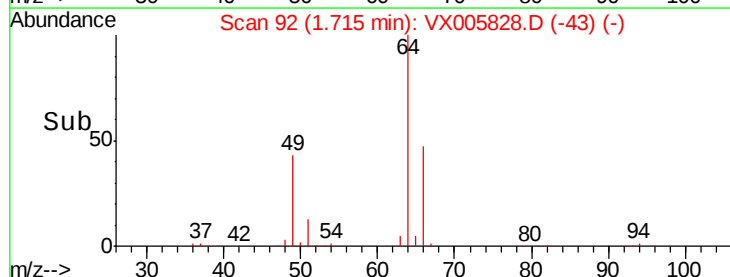
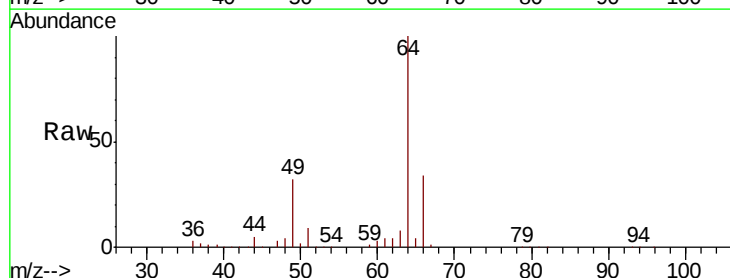
Acq: 07 Nov 2018 14:45

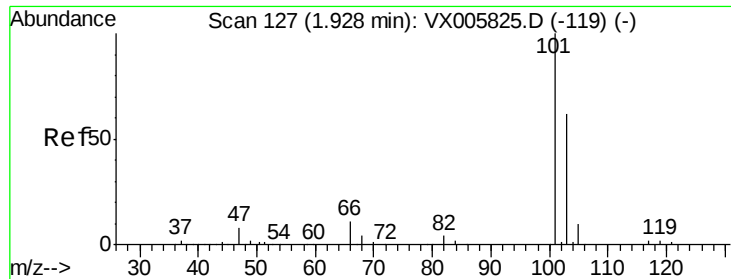
Tgt Ion: 64 Resp: 43055

Ion Ratio Lower Upper

64 100

66 33.9 25.8 38.6





#7

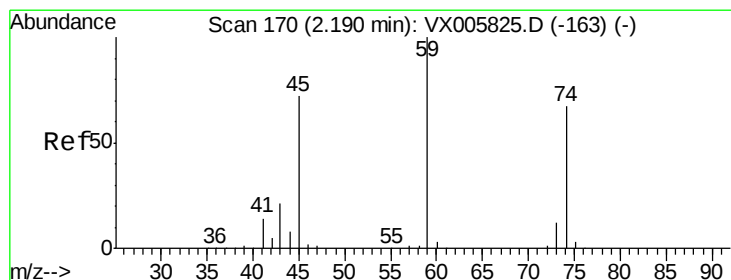
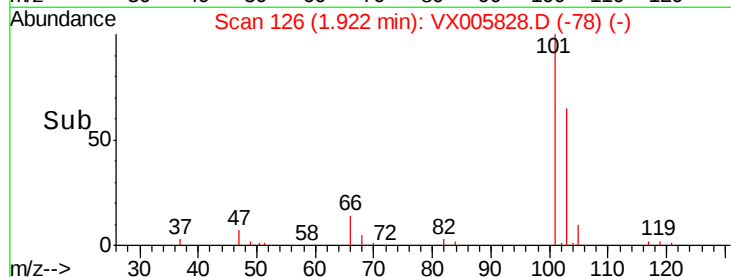
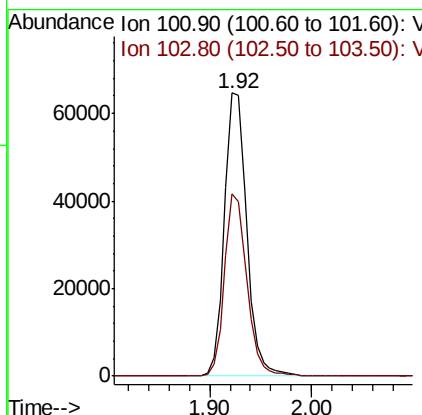
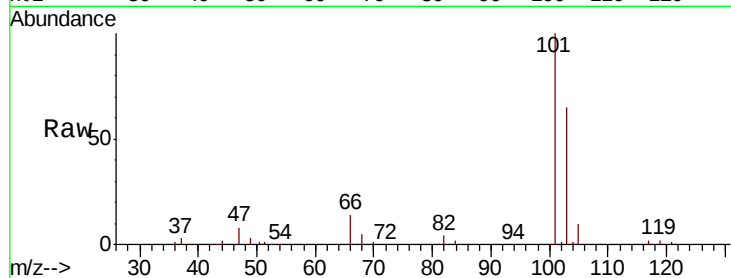
Trichlorofluoromethane
Concen: 49.208 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.0	75.0

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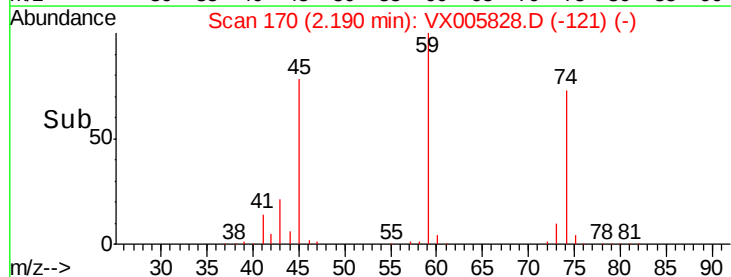
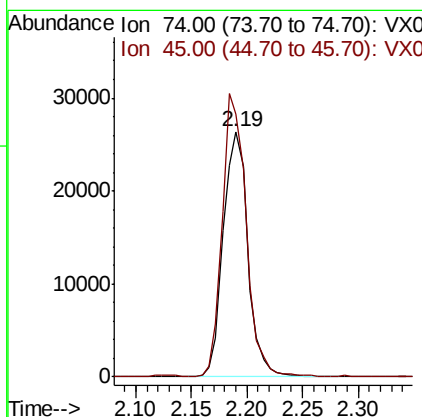
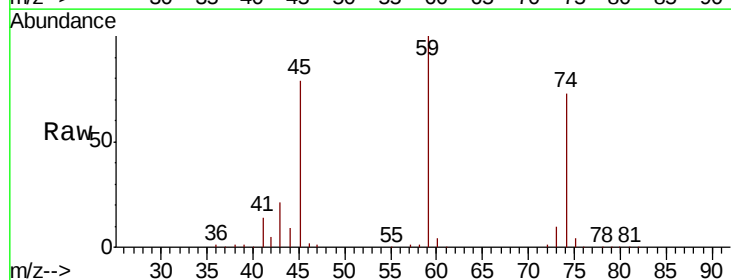
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11/8/2018 10:35:42 AM



#8

Diethyl Ether
Concen: 51.574 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	54.1	162.3





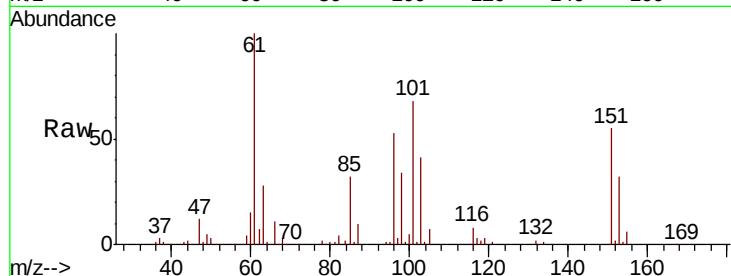
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.174 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.0	52.4
151	84.3	66.2	99.2

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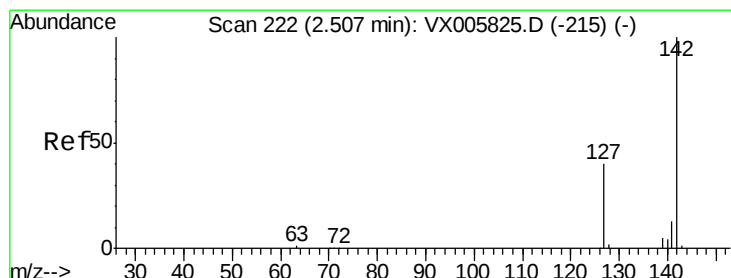
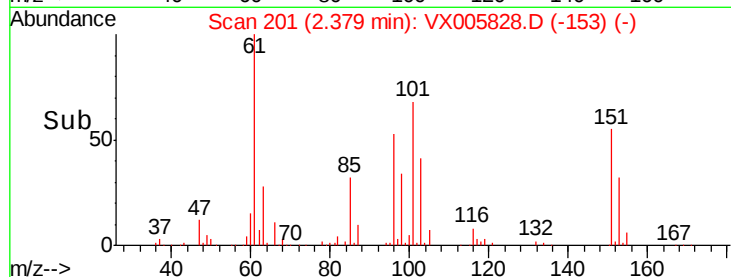
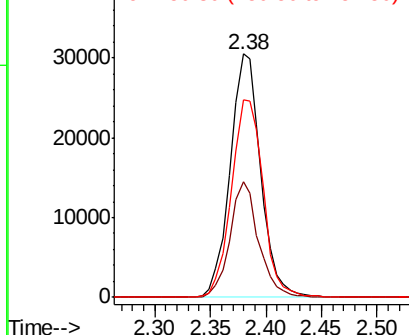


Abundance

Ion 100.90 (100.60 to 101.60): V

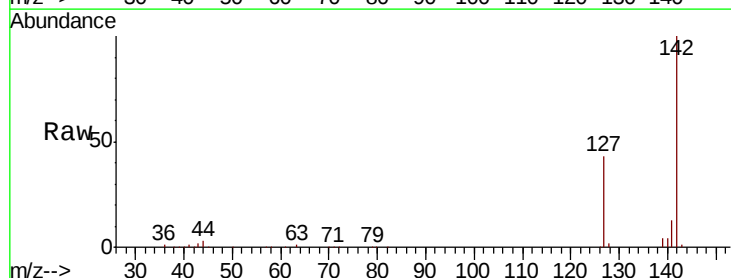
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 46.190 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.9	36.0	54.0
141	14.1	11.7	17.5

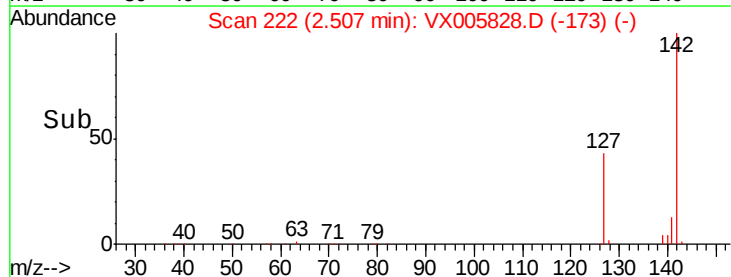
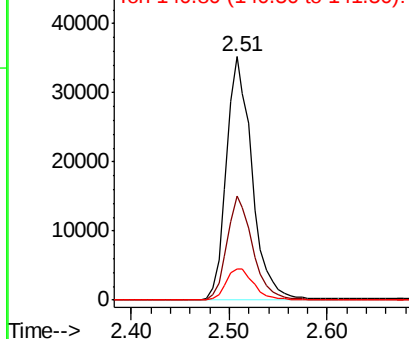


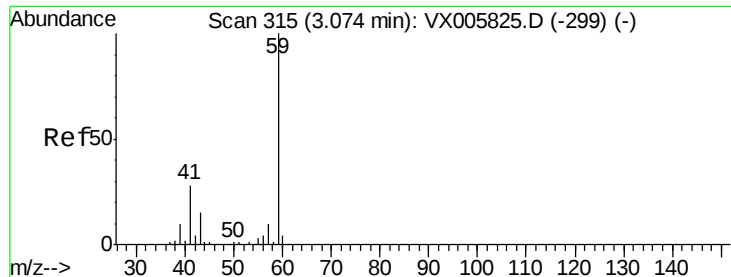
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

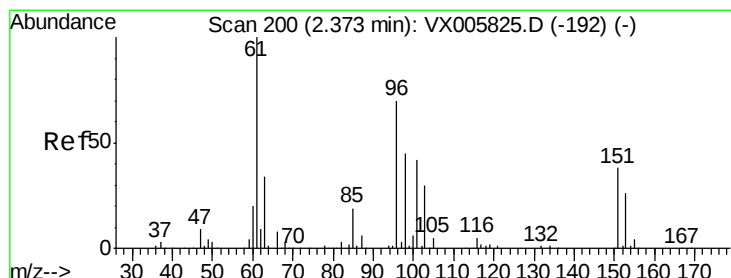
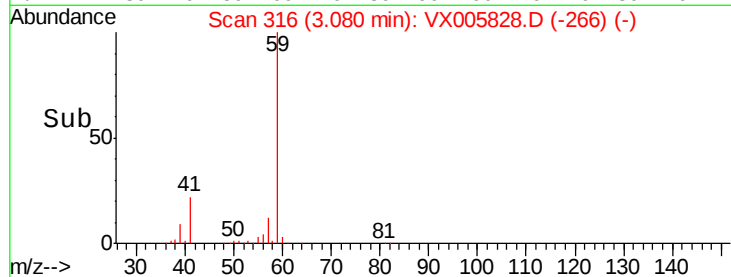
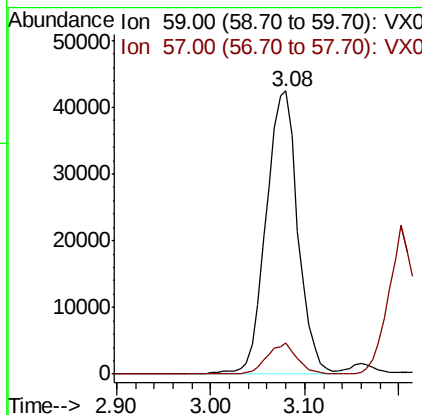
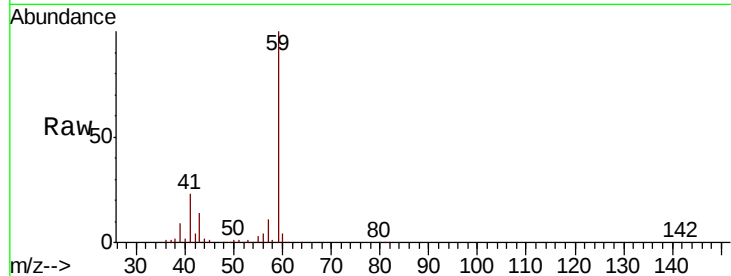
Tert butyl alcohol
Concen: 240.207 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	59	57	Ratio	100	10.3	Resp	100489	Lower	Upper
59	100								
57		10.3						8.5	12.7

Manual Integrations
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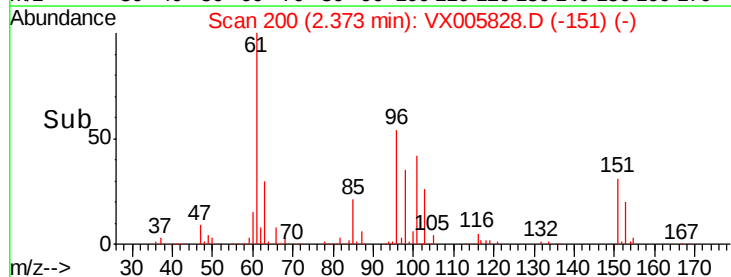
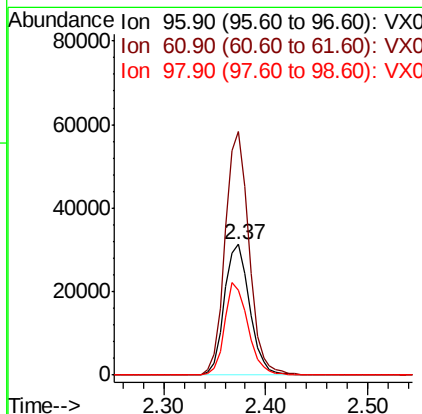
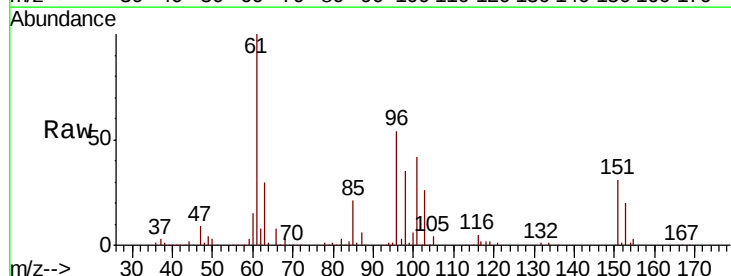
MMDadoda
11/8/2018 10:35:42 AM

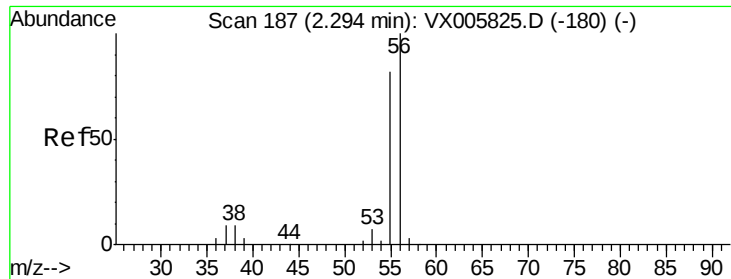


#12

1,1-Dichloroethene
Concen: 47.905 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	96	61	98	Ratio	100	186.1	64.6	Resp	53788	Lower	Upper
96	100										
61		186.1								131.8	197.8
98			64.6							53.4	80.2





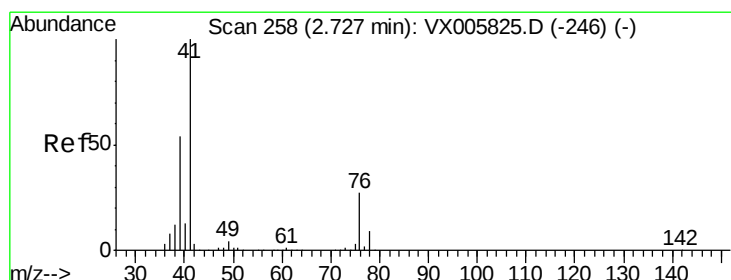
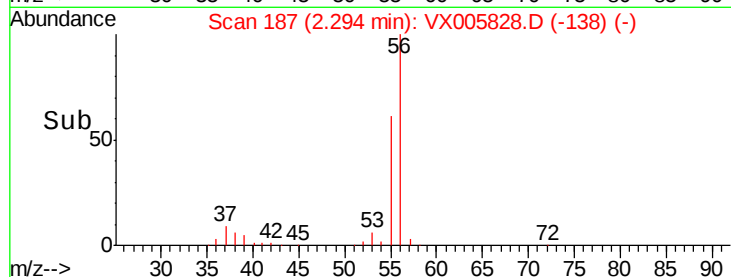
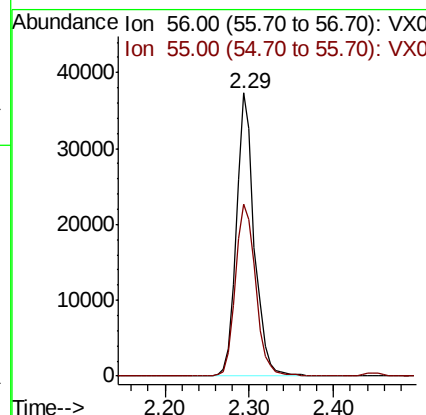
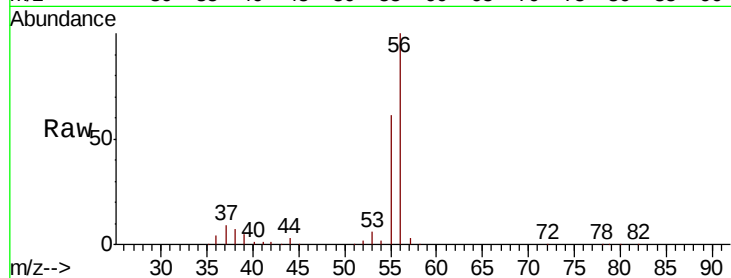
#13
Acrolein
Concen: 269.800 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	56	55	Resp	Lower	Upper
56	100				
55	69.0		57.3	85.9	

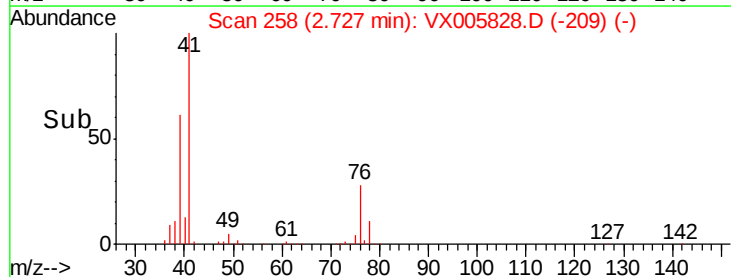
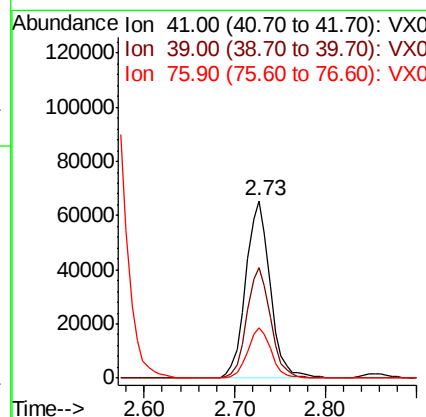
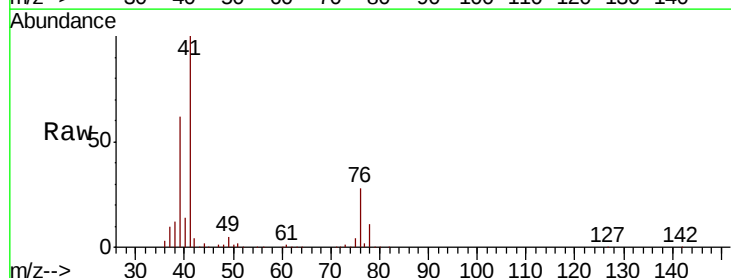
Manual Integrations
APPROVED

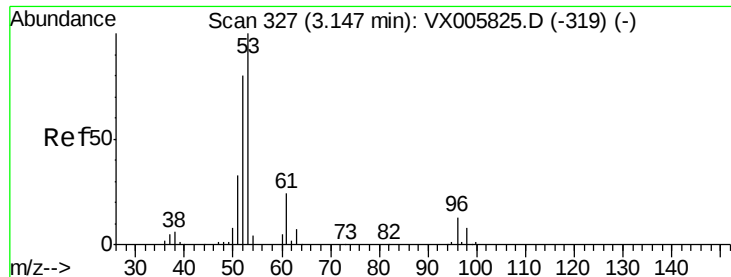
MMDadoda
11/8/2018 10:35:42 AM



#14
Allyl chloride
Concen: 48.945 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	41	39	76	Resp	Lower	Upper
41	100					
39	60.6			48.2	72.4	
76	27.1			21.9	32.9	





#15

Acrylonitrile

Concen: 251.977 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

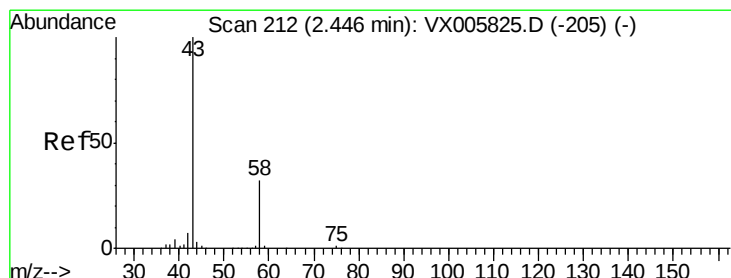
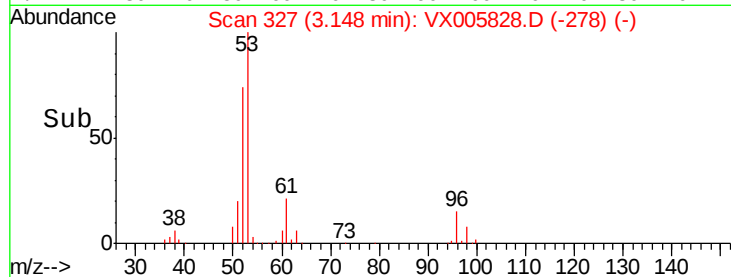
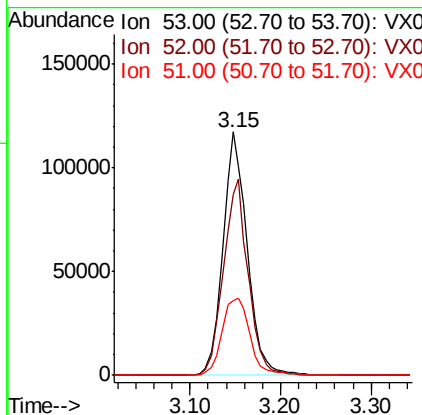
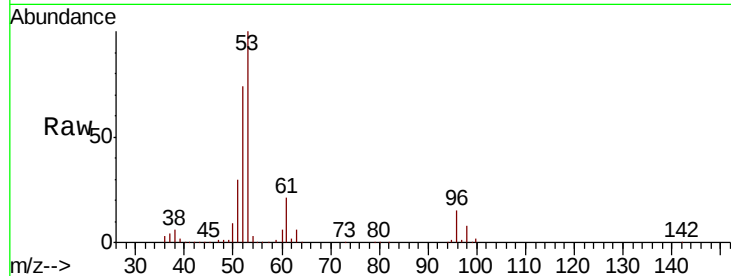
ClientSampleId :

ICVVX110718

Tot Ion:	53	Resp:	218456
Ion Ratio		Lower	Upper
53	100		
52	82.3	66.6	99.8
51	36.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 266.565 ug/l

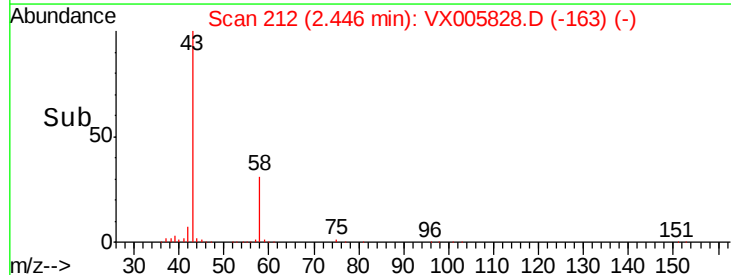
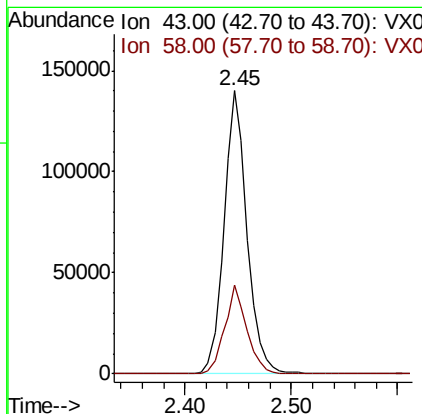
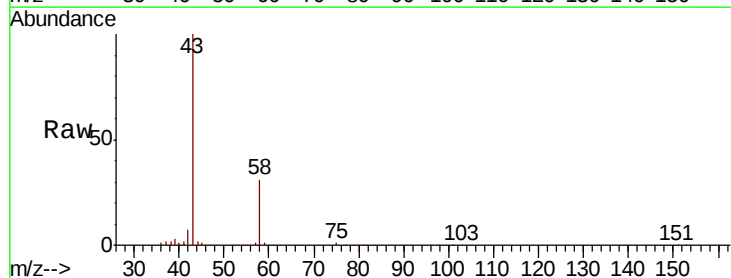
RT: 2.45 min Scan# 212

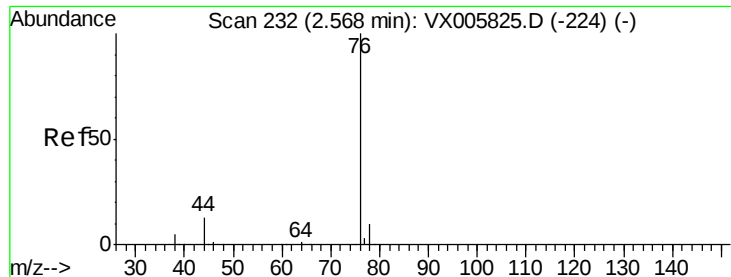
Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Tgt Ion:	43	Resp:	209599
Ion Ratio		Lower	Upper
43	100		
58	31.4	23.8	35.6





#17

Carbon Disulfide

Concen: 54.715 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 76 Resp: 183246

Ion Ratio Lower Upper

76 100

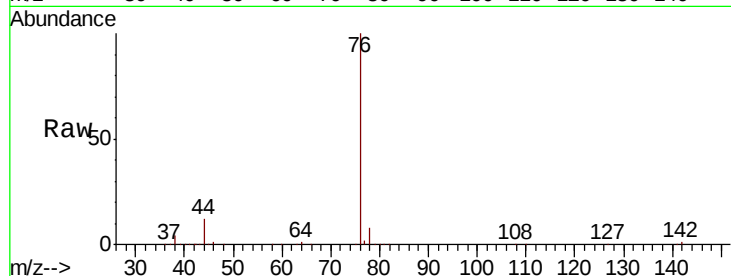
78 8.4 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

120000

100000

80000

60000

40000

20000

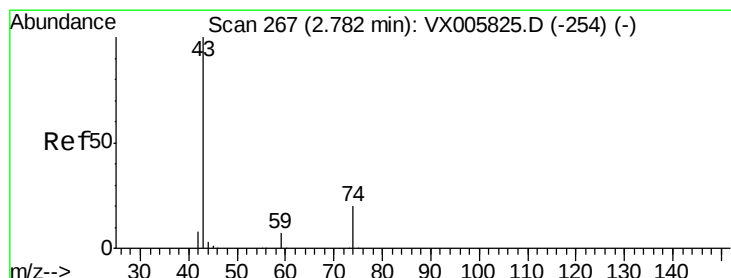
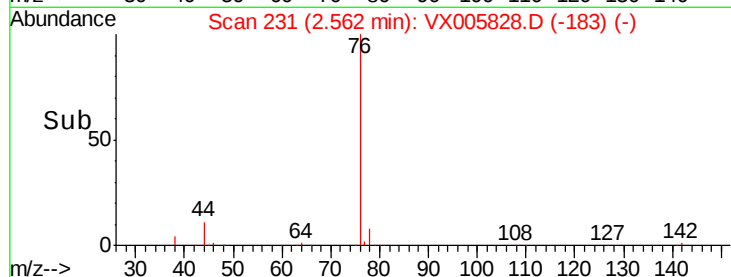
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 53.498 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005828.D

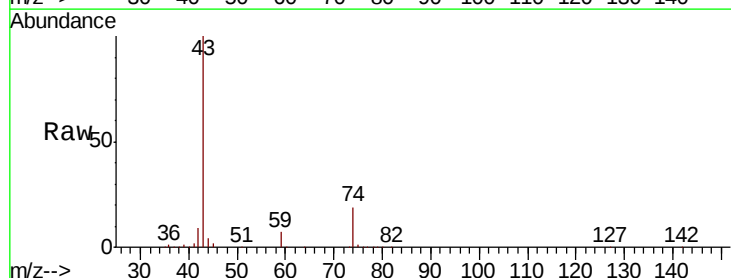
Acq: 07 Nov 2018 14:45

Tgt Ion: 43 Resp: 112511

Ion Ratio Lower Upper

43 100

74 20.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

60000

40000

20000

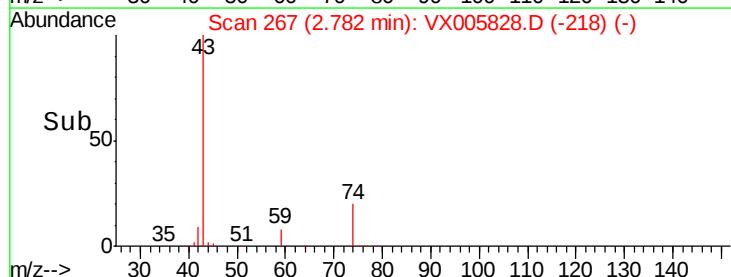
0

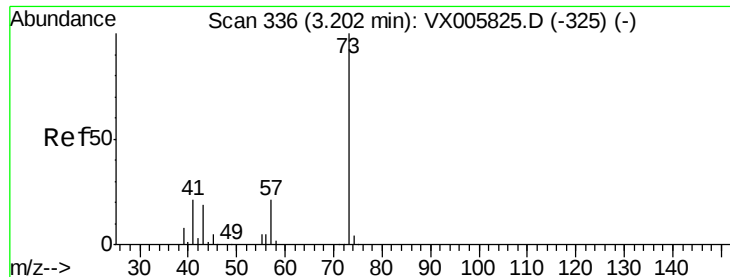
2.70

2.80

2.90

Time-->





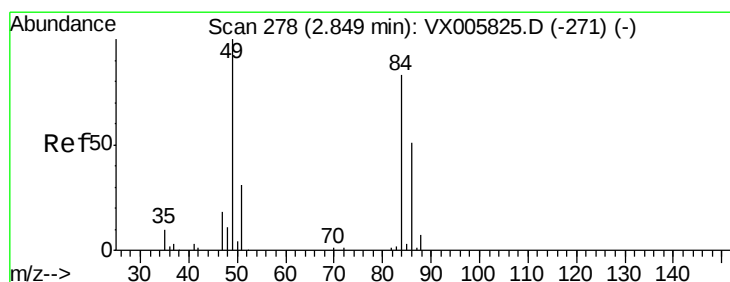
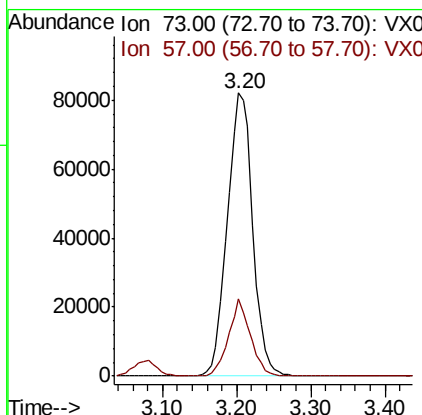
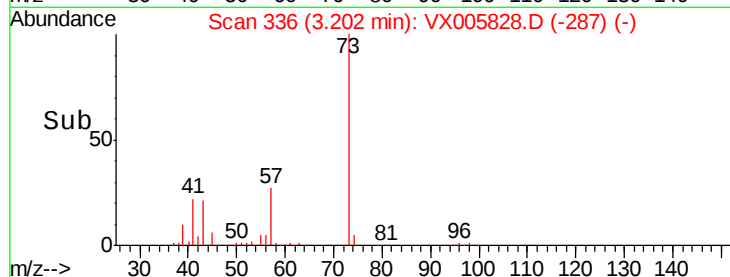
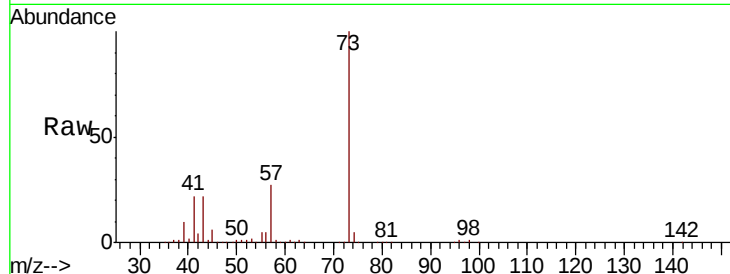
#19
Methyl tert-butyl Ether
Concen: 50.998 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Lower	Upper
73	100		
57	27.1	18.8	28.2

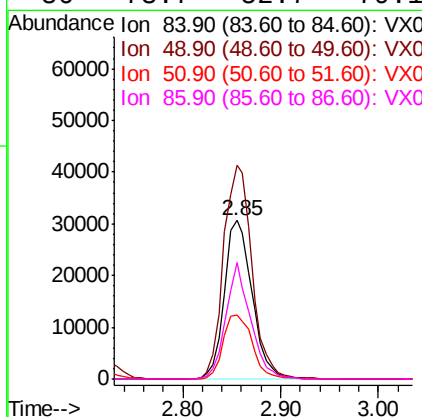
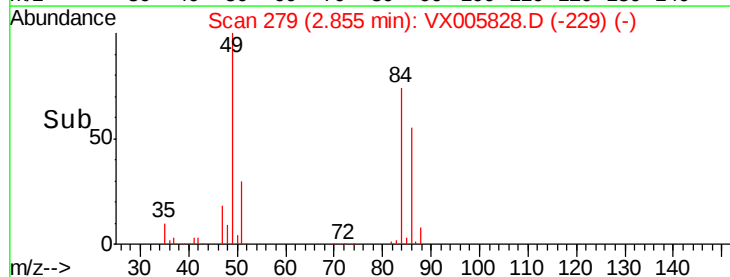
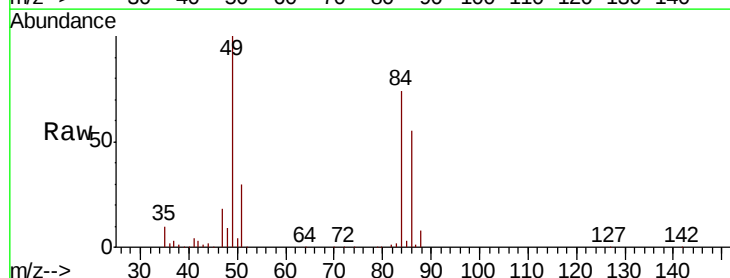
Manual Integrations
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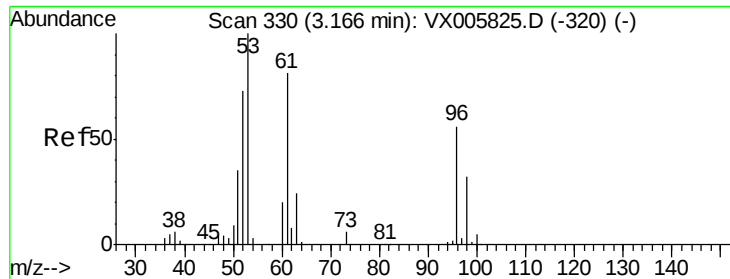
MMDadoda
11/8/2018 10:35:42 AM



#20
Methylene Chloride
Concen: 46.666 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.7	109.5	164.3
51	40.5	33.3	49.9
86	73.7	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 49.211 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 96 Resp: 58279

Ion Ratio Lower Upper

96 100

61 138.4 115.6 173.4

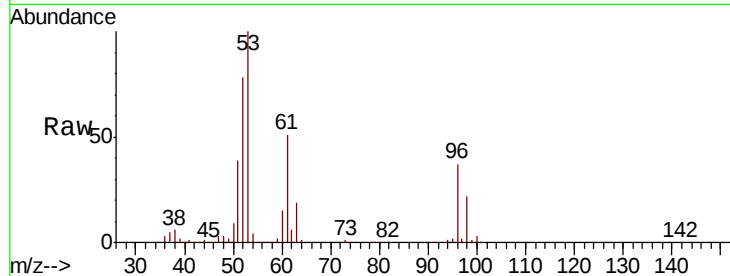
98 60.7 50.2 75.2

Manual Integrations

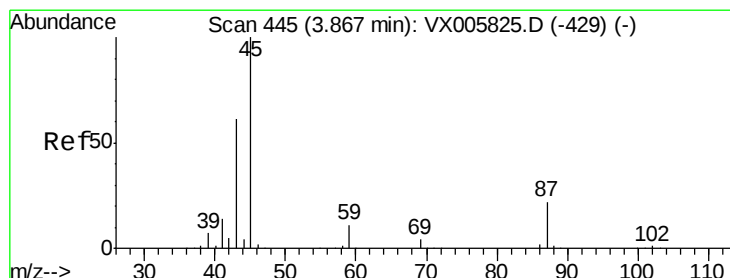
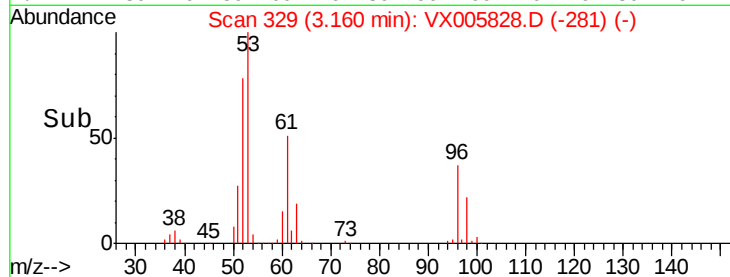
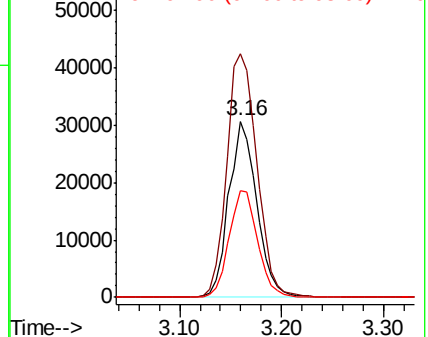
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.645 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Tgt Ion: 45 Resp: 218084

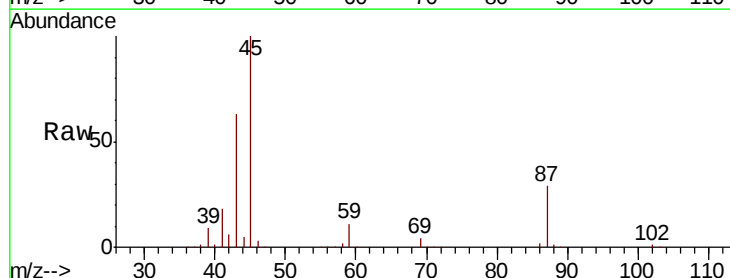
Ion Ratio Lower Upper

45 100

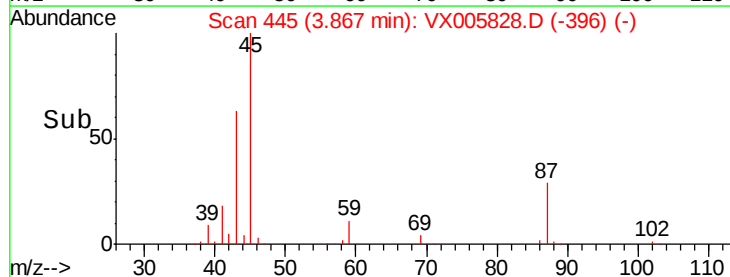
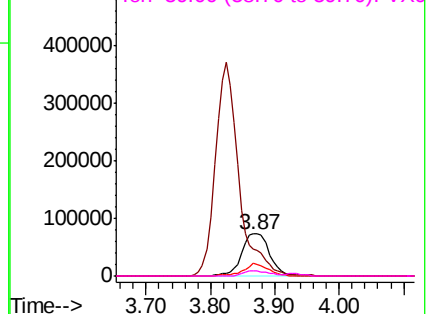
43 62.9 47.4 71.2

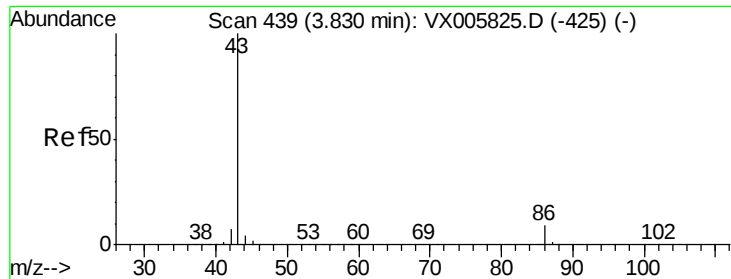
87 29.3 15.9 23.9#

59 11.0 7.7 11.5



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





#23

Vinyl Acetate

Concen: 253.126 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 43 Resp: 953401

Ion Ratio Lower Upper

43 100

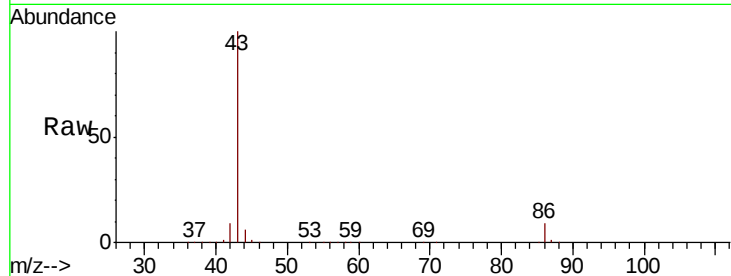
86 9.4 7.4 11.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

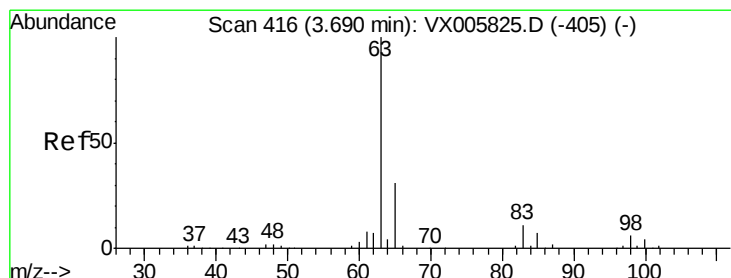
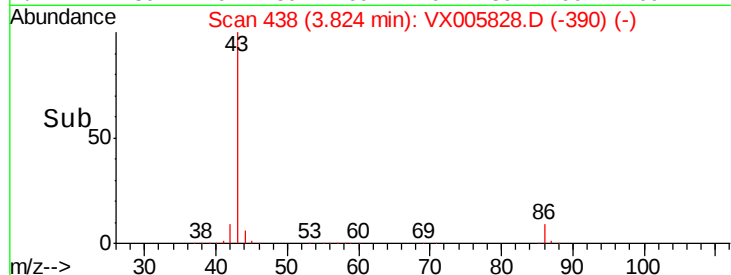
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.752 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

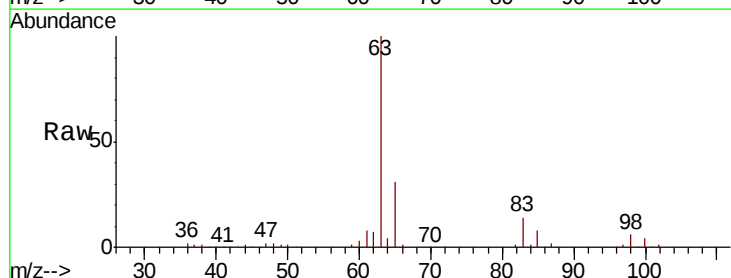
Tgt Ion: 63 Resp: 114258

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 4.3 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

60000

50000

40000

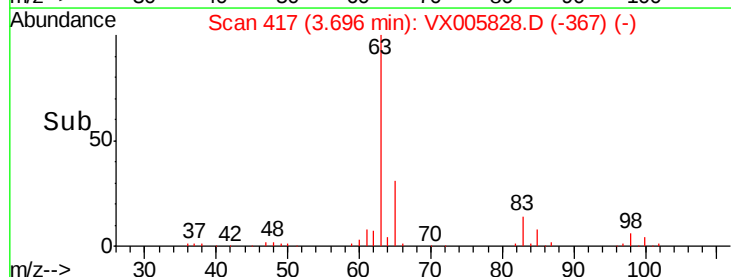
30000

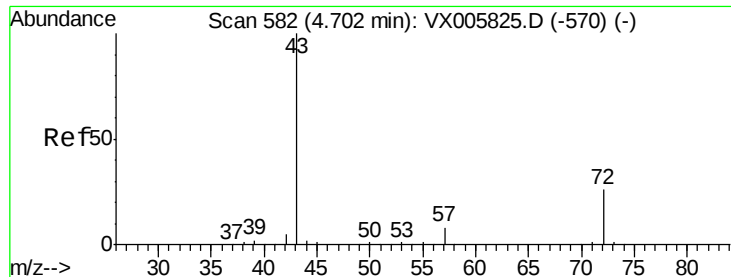
20000

10000

0

Time-->





#25

2-Butanone

Concen: 265.467 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 43 Resp: 328166

Ion Ratio Lower Upper

43 100

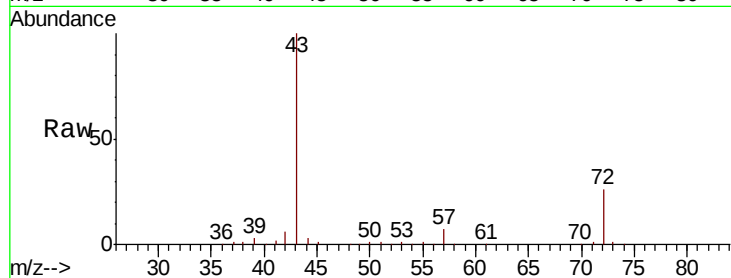
72 25.7 19.2 28.8

Manual Integrations

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11/8/2018 10:35:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

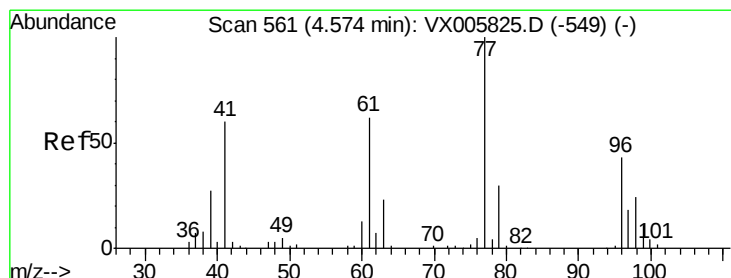
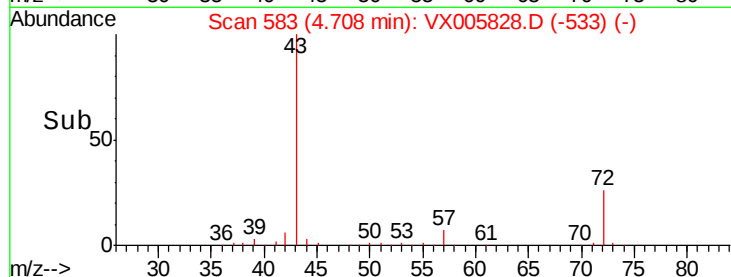
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 53.363 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005828.D

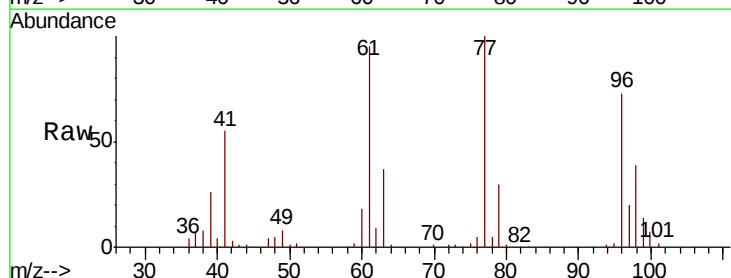
Acq: 07 Nov 2018 14:45

Tgt Ion: 77 Resp: 91741

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

10000

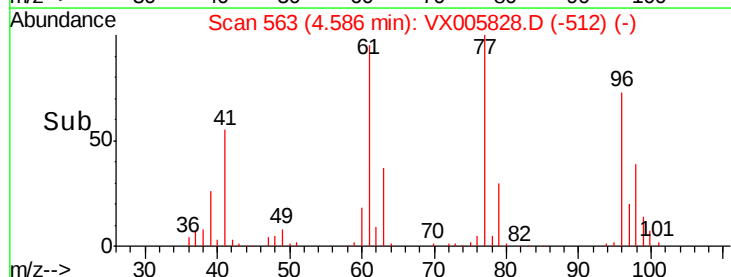
0

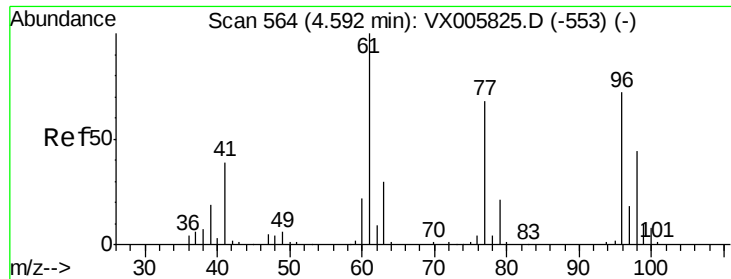
4.50

4.60

4.70

Time-->





#27

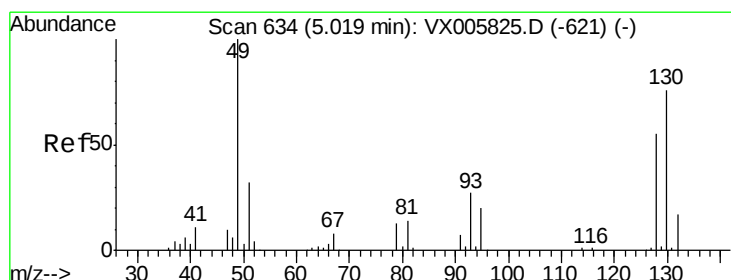
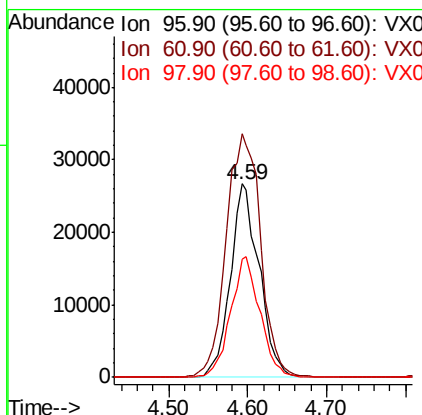
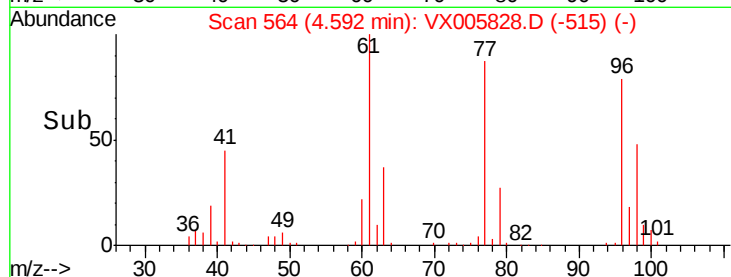
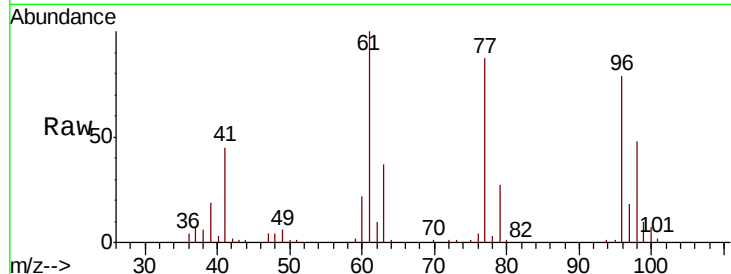
cis-1,2-Dichloroethene
Concen: 52.001 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	304.6
98	63.2	0.0	127.4

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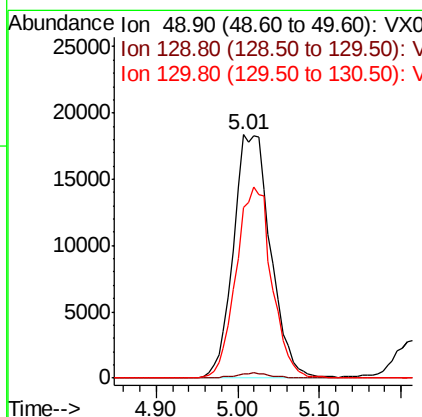
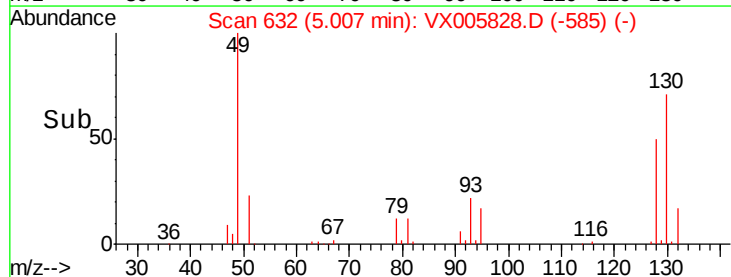
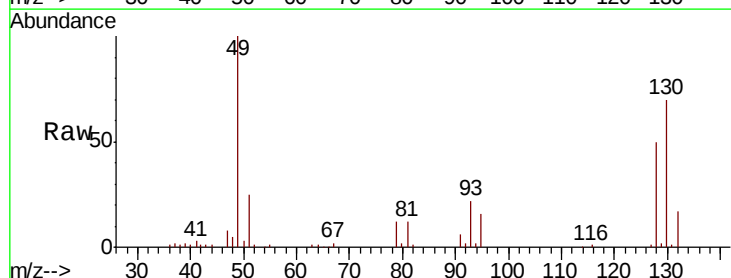
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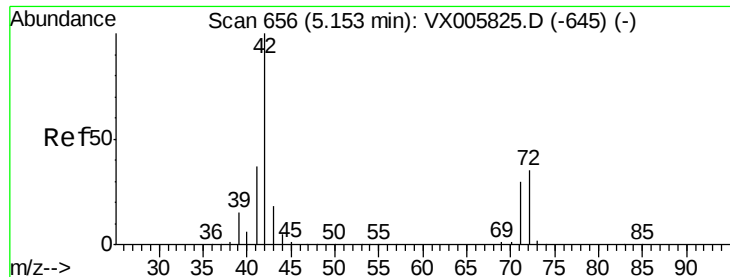


#28

Bromochloromethane
Concen: 55.383 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	75.4	58.9	88.3





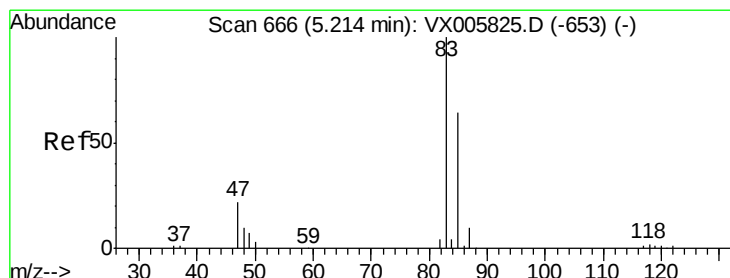
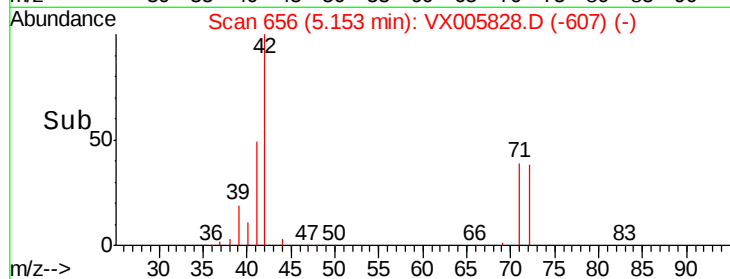
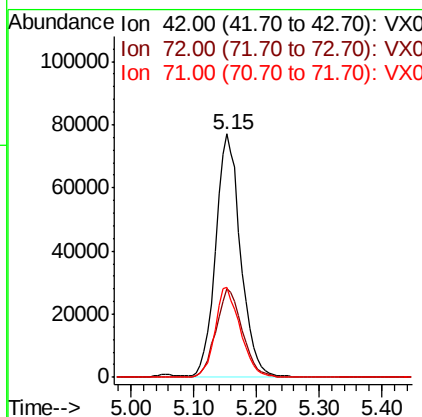
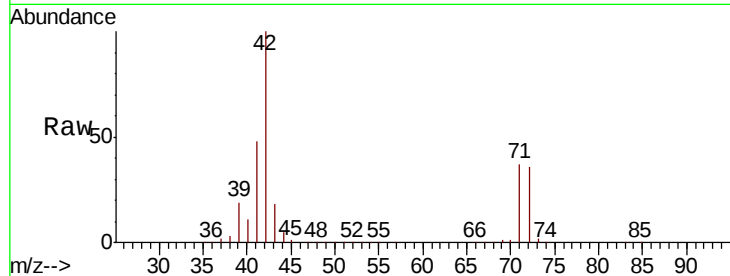
#29
Tetrahydrofuran
Concen: 265.973 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.0	48.0
71	37.4	29.8	44.8

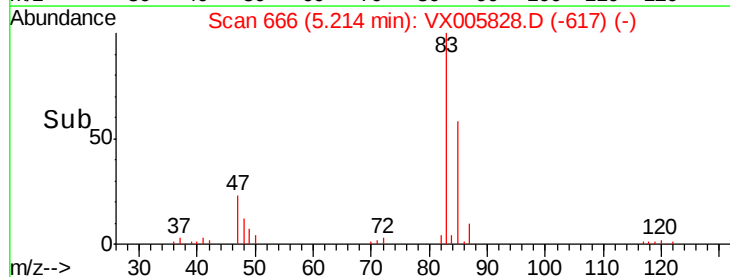
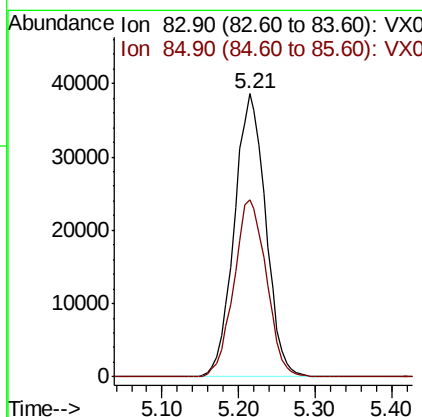
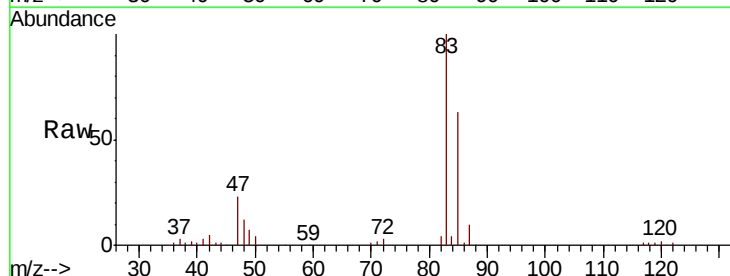
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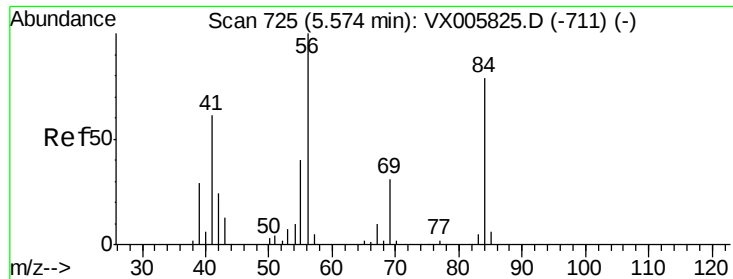
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11/8/2018 10:35:42 AM



#30
Chloroform
Concen: 48.594 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.6	76.0





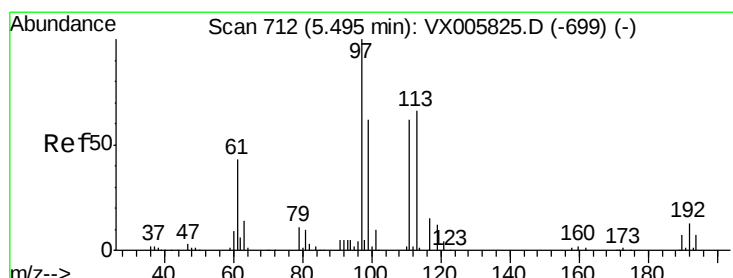
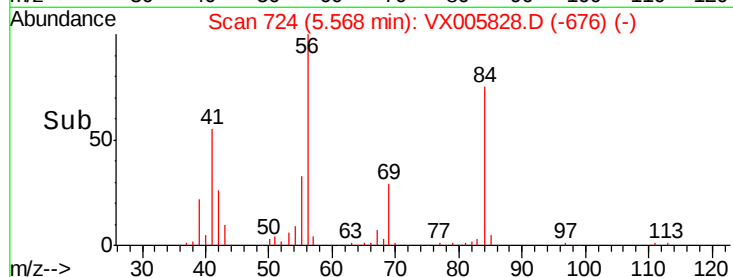
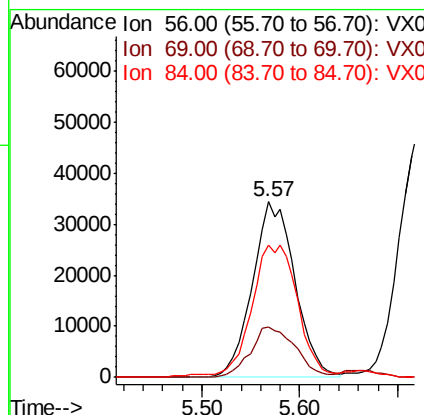
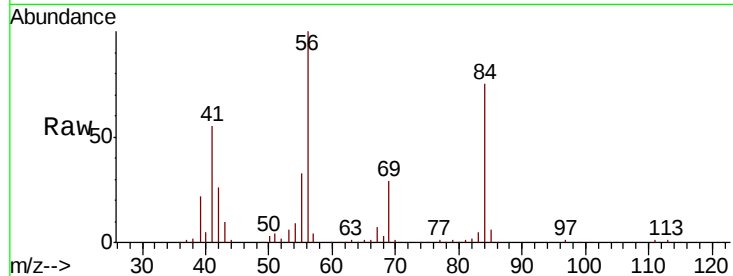
#31
Cyclohexane
Concen: 51.454 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.6	34.0
84	74.0	62.7	94.1

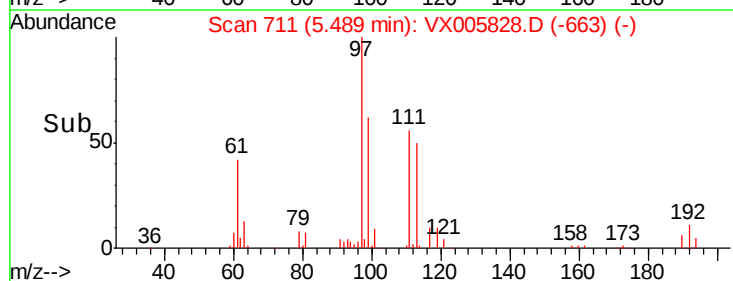
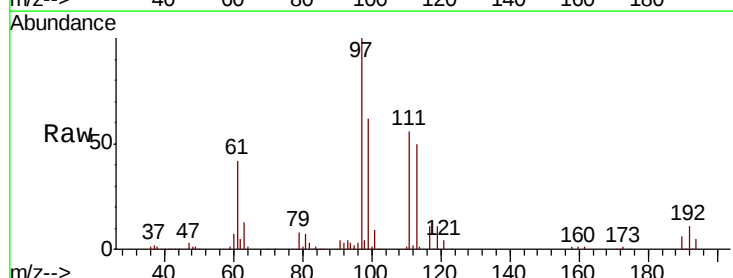
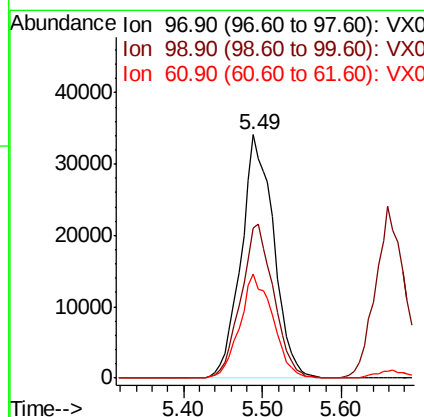
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#32
1,1,1-Trichloroethane
Concen: 51.879 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.3	78.5
61	43.3	35.2	52.8





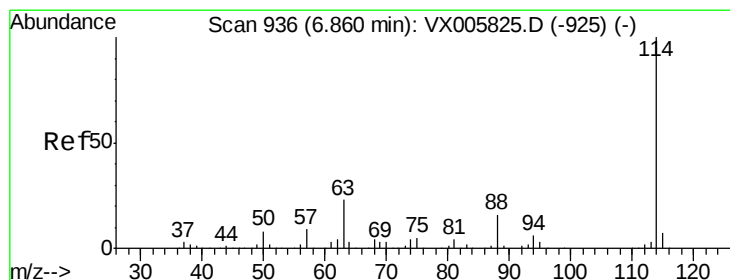
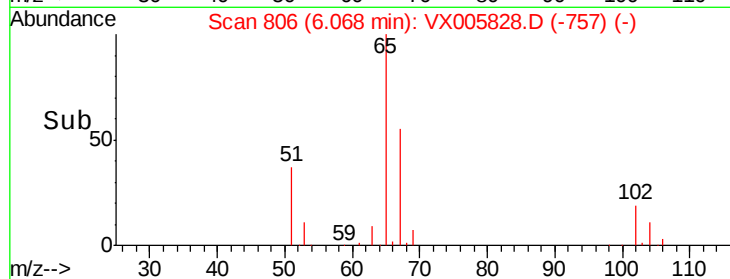
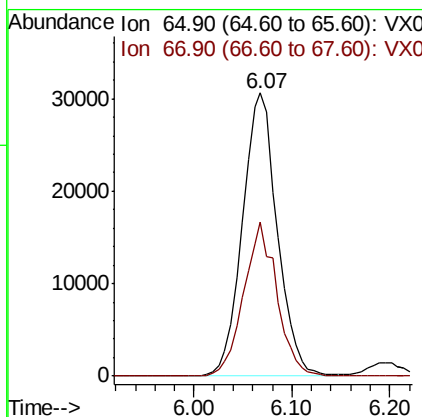
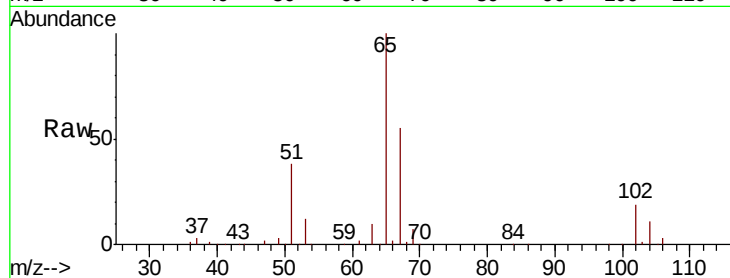
#33
 1,2-Dichloroethane-d4
 Concen: 51.629 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110718

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.0

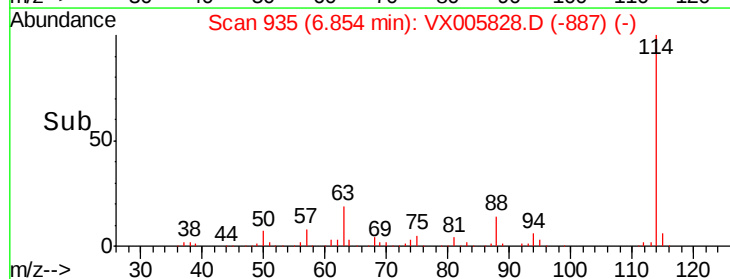
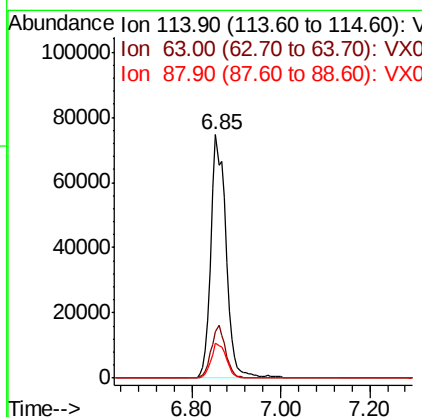
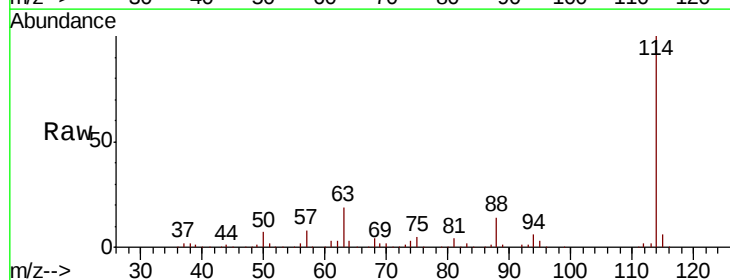
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	42.8
88	14.4	0.0	31.2





#35

Dibromofluoromethane

Concen: 50.081 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

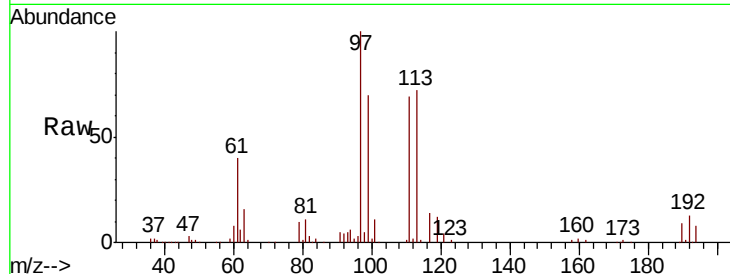
ClientSampleId :

ICVVX110718

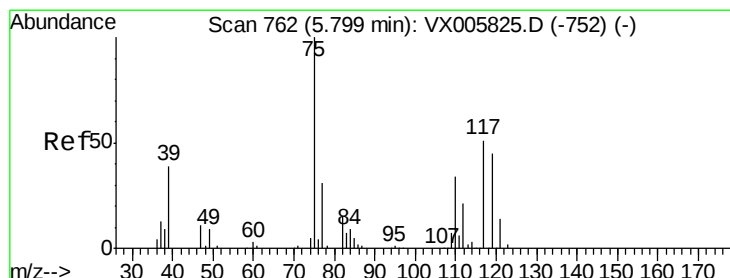
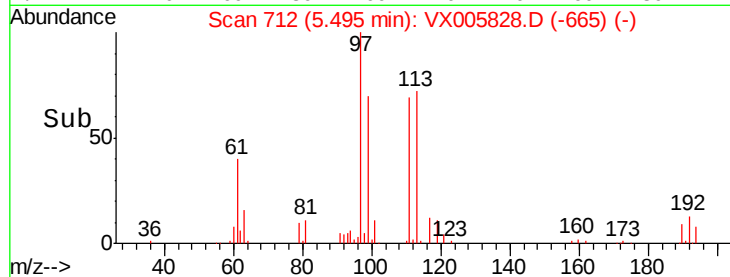
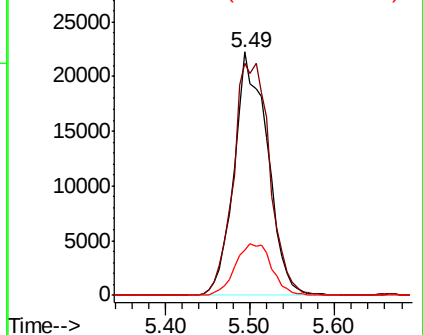
Tot Ion:	113	Resp:	59791
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.3	123.5
192	22.9	17.9	26.9

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.209 ug/l

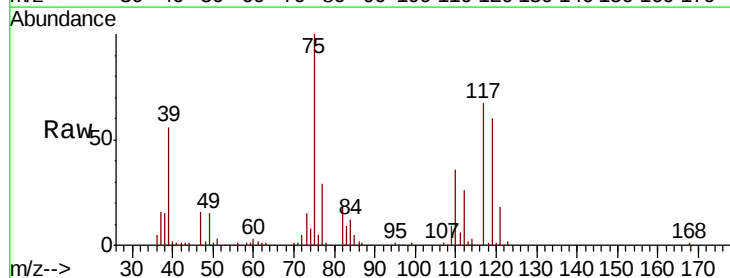
RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

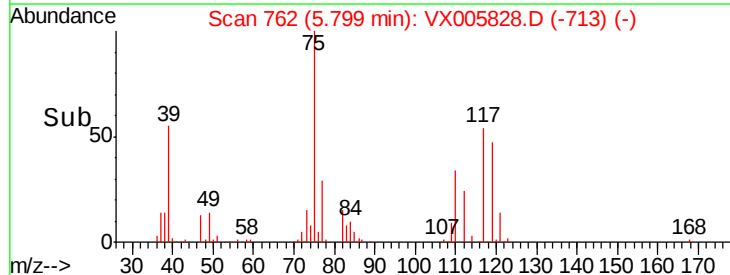
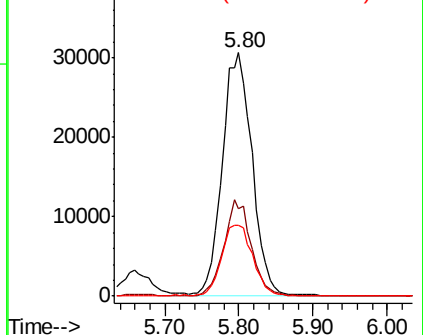
Lab File: VX005828.D

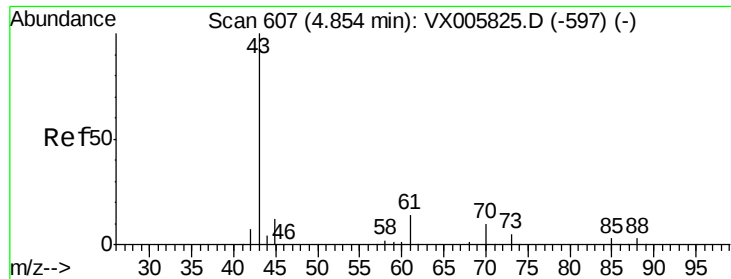
Acq: 07 Nov 2018 14:45

Tgt Ion:	75	Resp:	84962
Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.4	52.2
77	30.3	25.8	38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





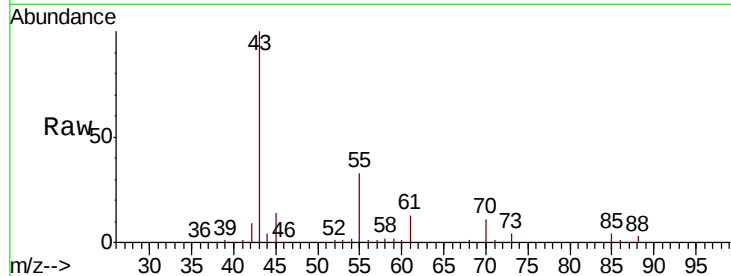
#37
Ethyl Acetate
Concen: 51.157 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion:	43	Resp:	113837
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.8	16.2
70	10.3	7.8	11.8

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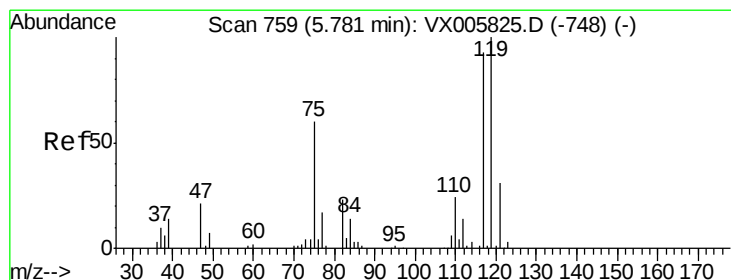
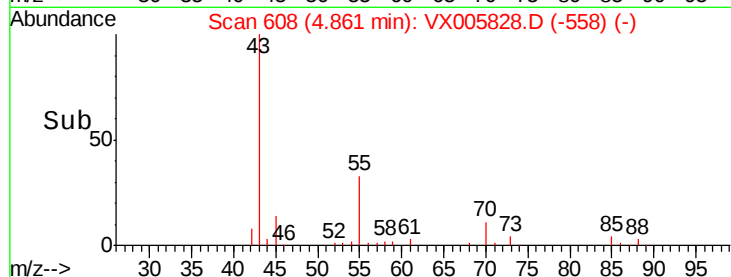
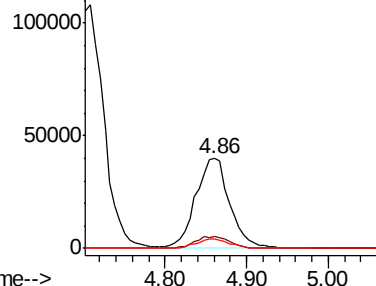


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 50.988 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

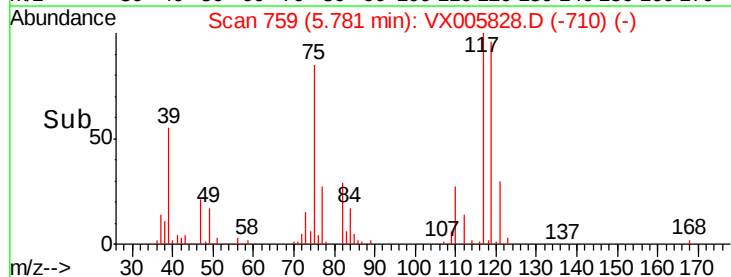
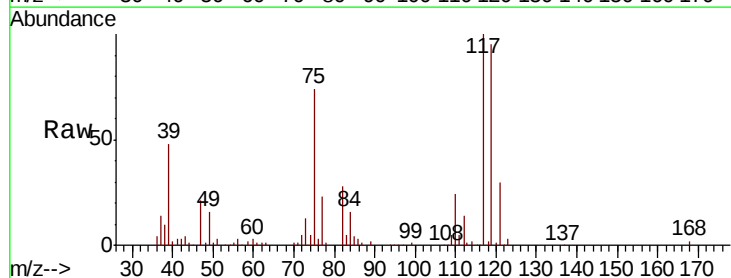
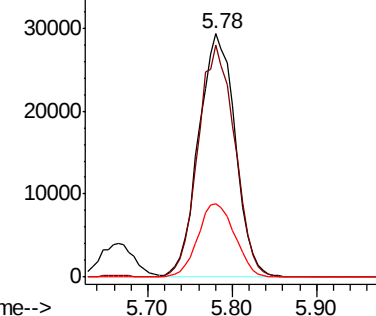
Tgt Ion:	117	Resp:	86377
Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.1	117.1
121	29.9	24.6	36.8

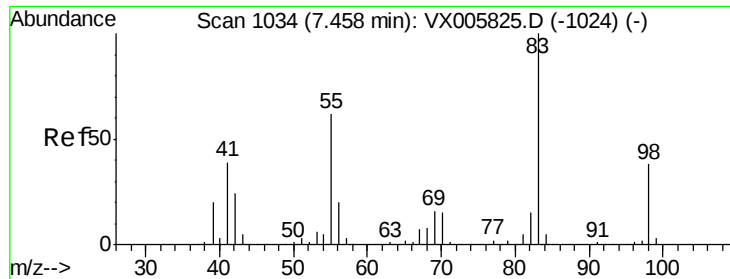
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





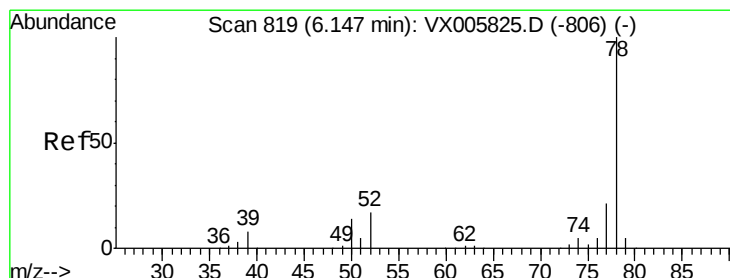
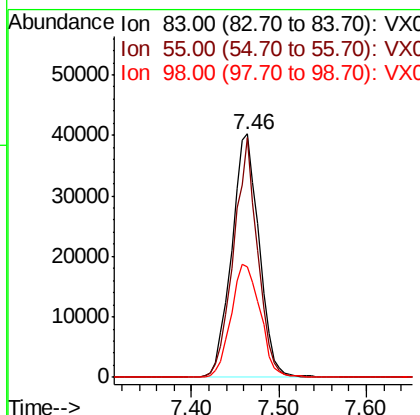
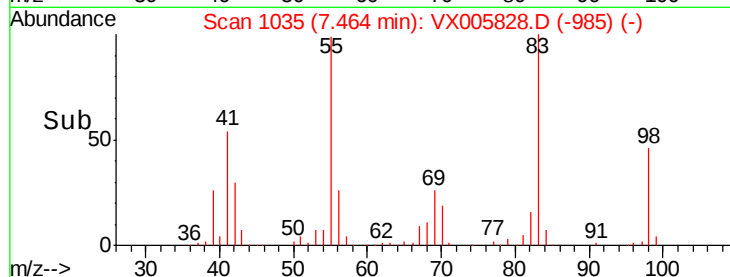
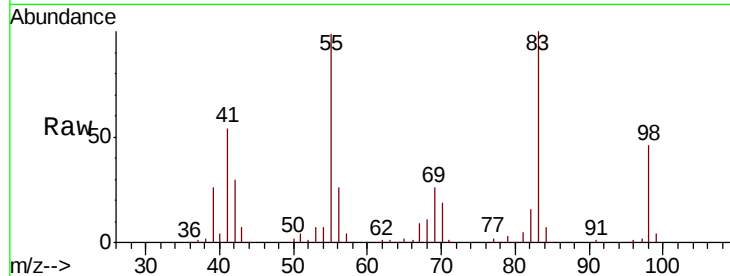
#39
Methvlcvclohexane
Concen: 51.337 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	98.7	63.7	95.5#	
98	45.6	36.2	54.2	

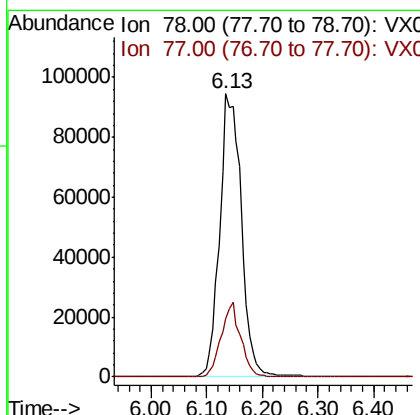
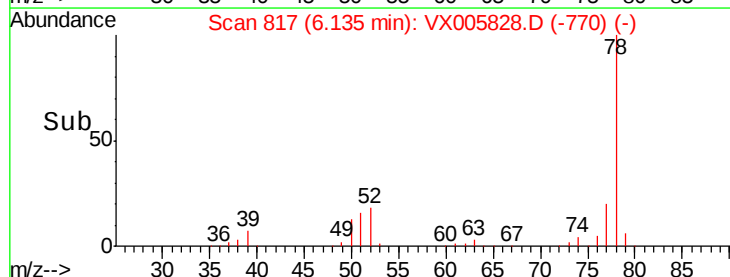
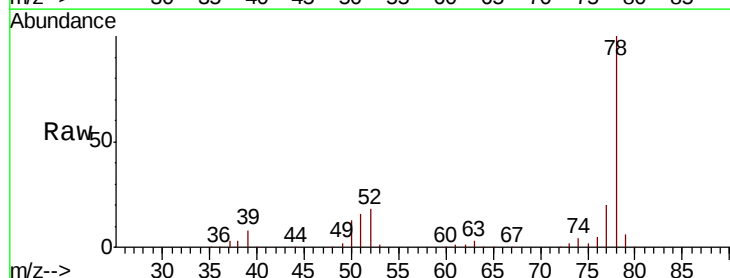
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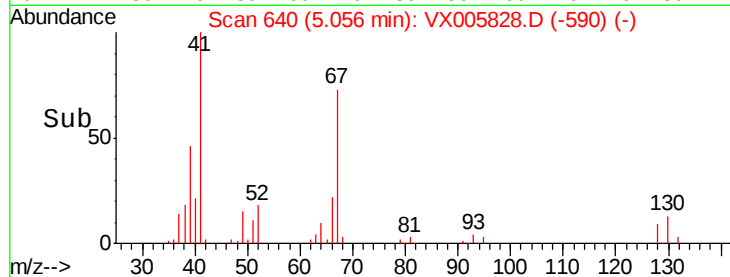
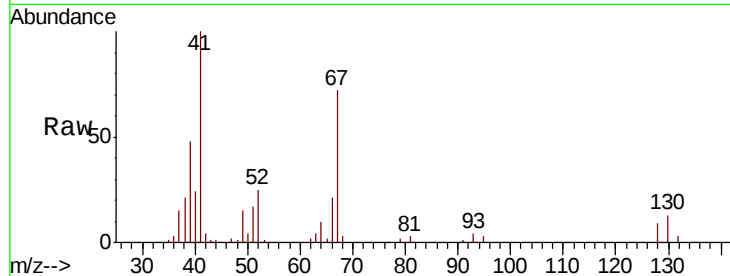
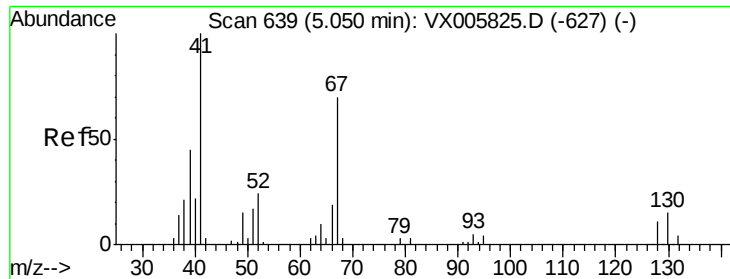
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#40
Benzene
Concen: 51.732 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	20.3	18.4	27.6	





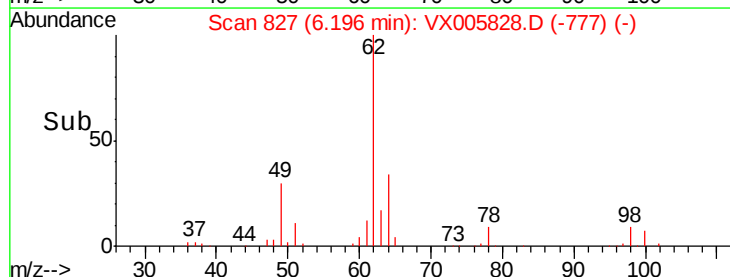
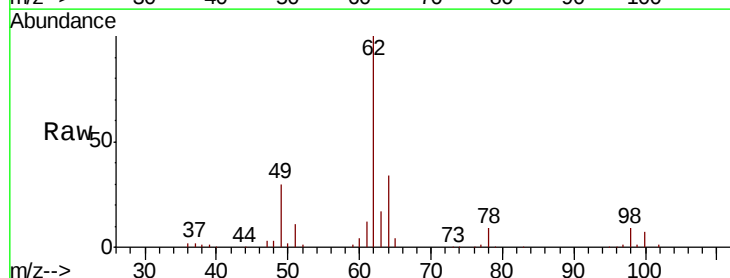
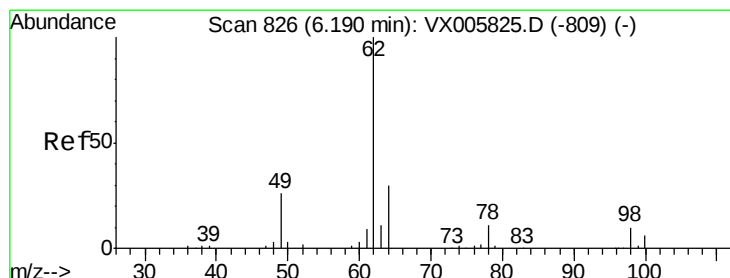
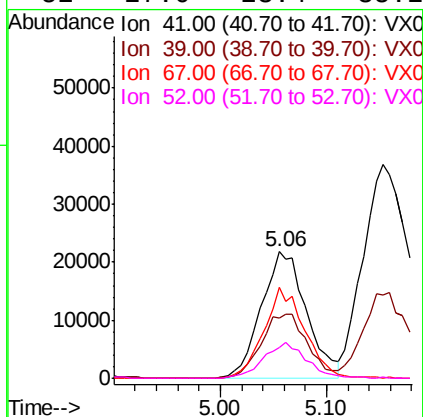
#41
Methacrylonitrile
Concen: 53.604 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	42.2	63.2	
67	65.0	53.4	80.0	
52	27.0	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

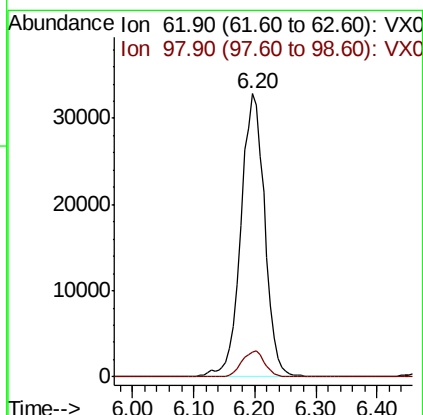
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 50.082 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.8	





#43

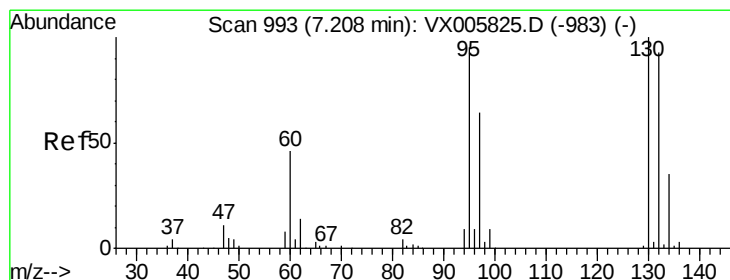
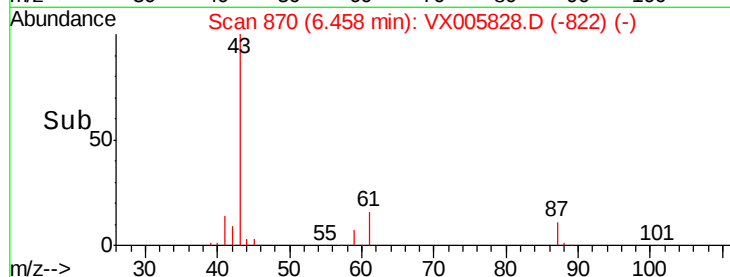
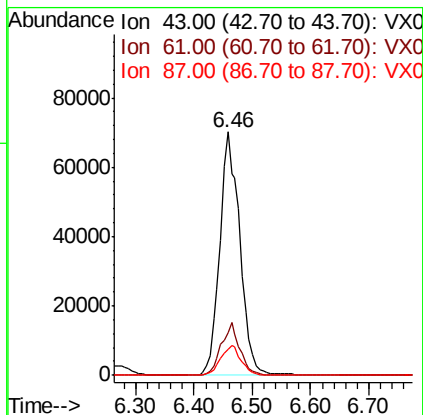
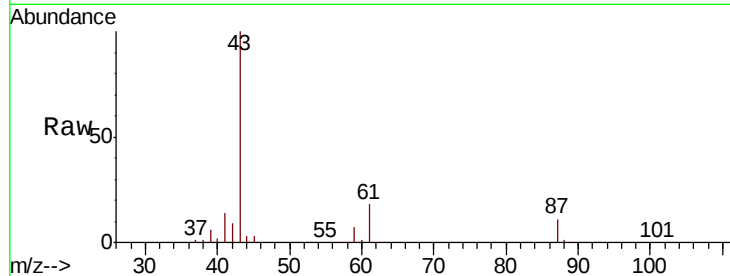
Isopropyl Acetate
 Concen: 51.801 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110718

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.6	22.0
87	12.4	9.6	14.4

Manual Integrations
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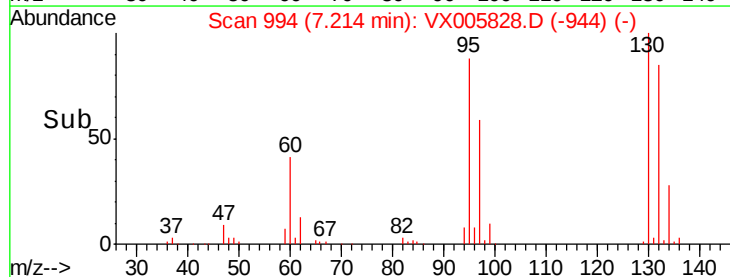
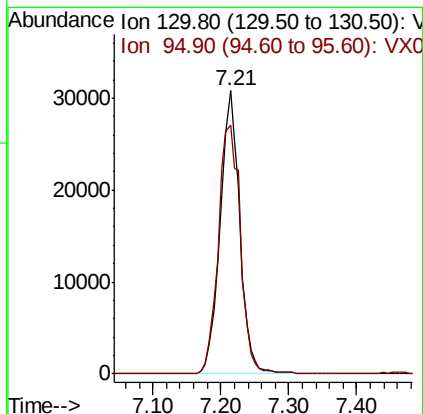
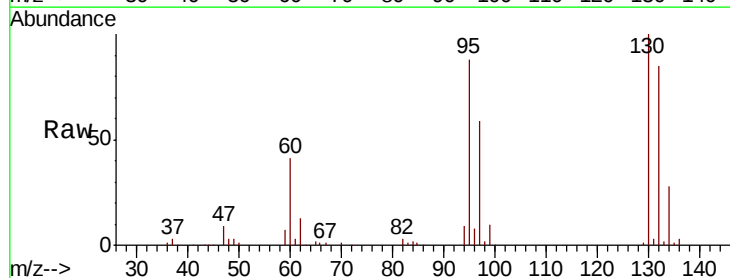
MMDadoda
 11/8/2018 10:35:42 AM

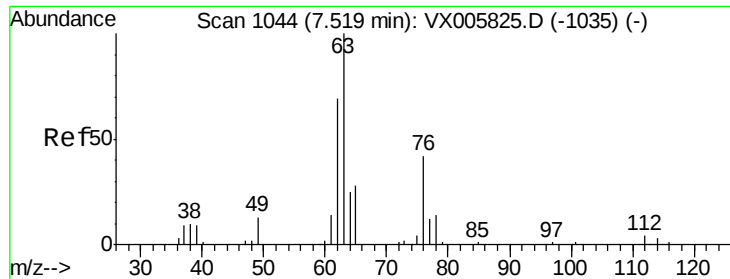


#44

Trichloroethene
 Concen: 49.277 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	194.2





#45

1,2-Dichloropropane

Concen: 51.048 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 63 Resp: 61122

Ion Ratio Lower Upper

63 100

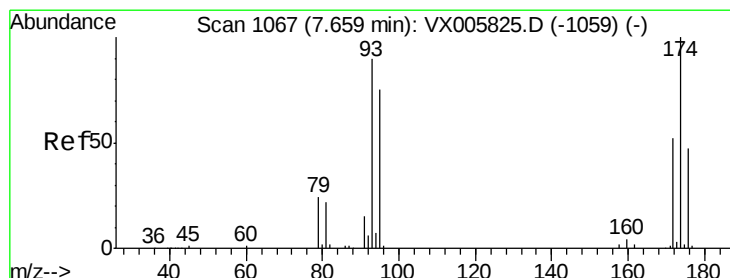
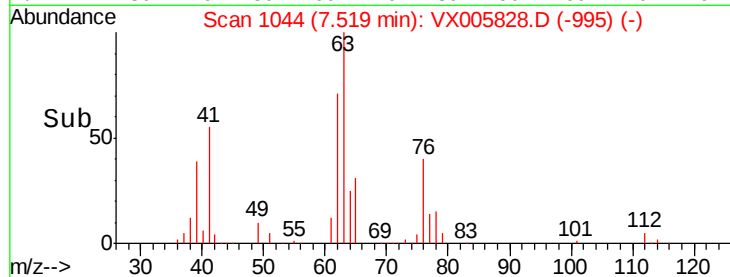
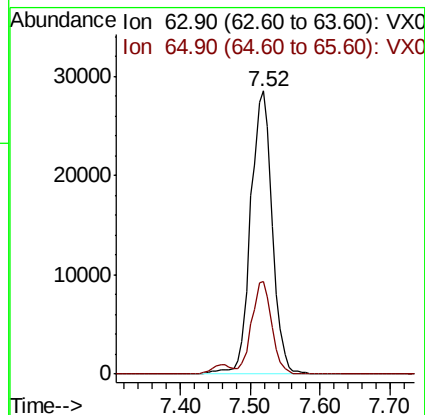
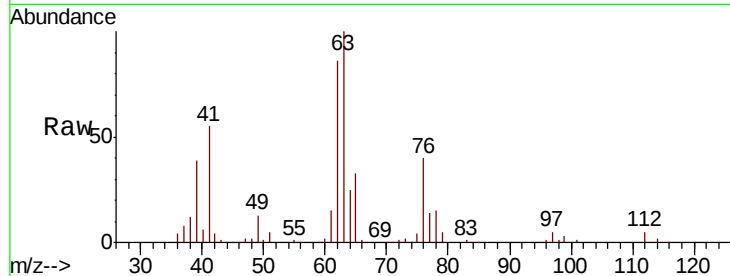
65 32.9 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 52.929 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

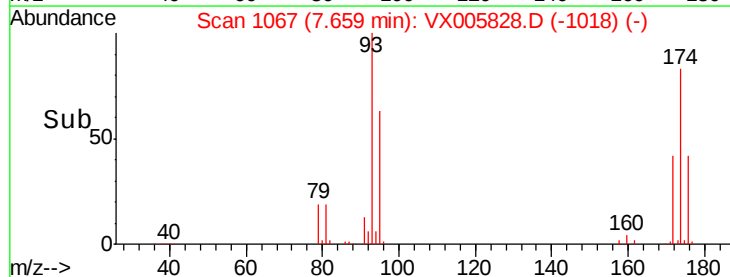
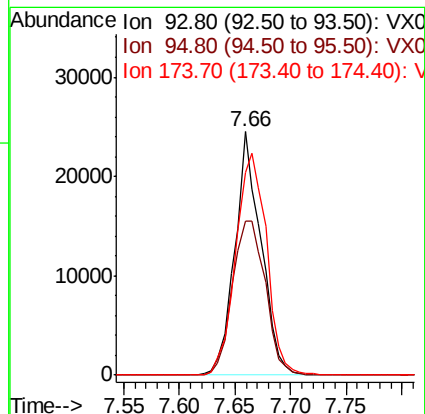
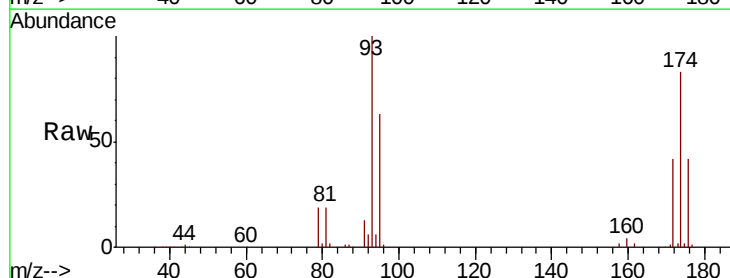
Tgt Ion: 93 Resp: 39768

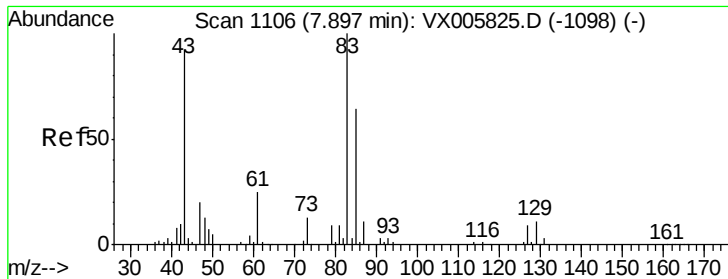
Ion Ratio Lower Upper

93 100

95 79.9 67.4 101.0

174 107.5 91.5 137.3





#47

Bromodichloromethane

Concen: 50.594 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

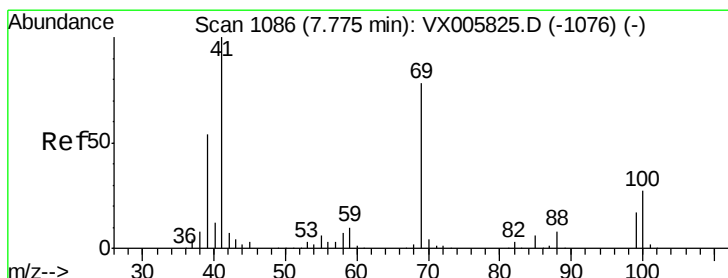
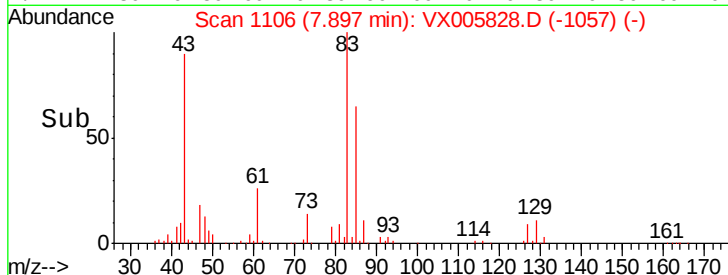
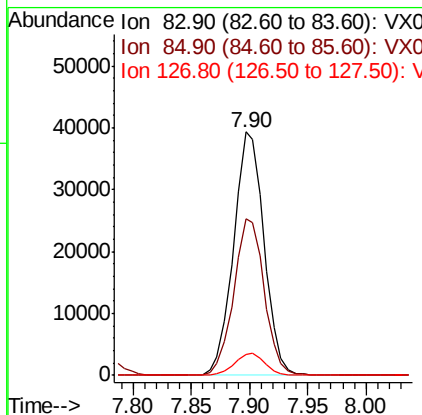
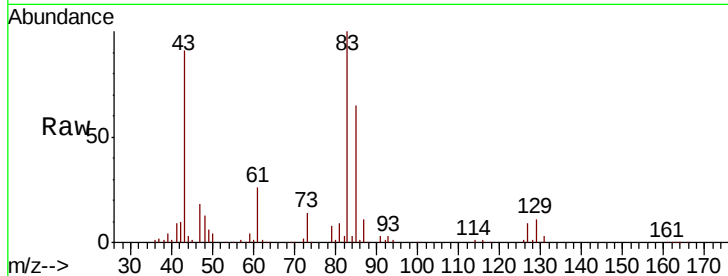
ClientSampleId :

ICVVX110718

Tot Ion:	83	Resp:	71840
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	8.6	6.9	10.3

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#48

Methyl methacrylate

Concen: 52.145 ug/l

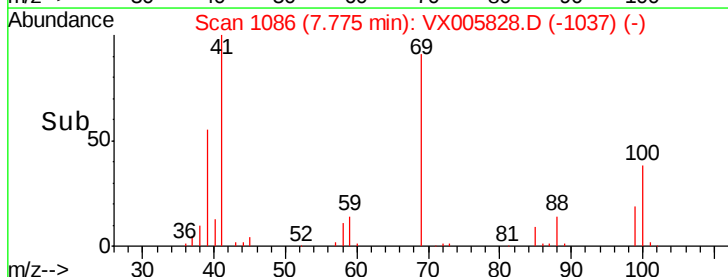
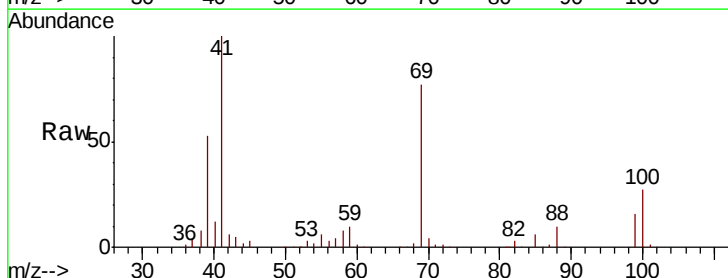
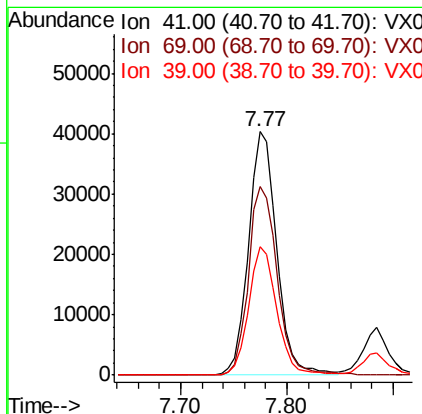
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Tgt Ion:	41	Resp:	75496
Ion	Ratio	Lower	Upper
41	100		
69	79.4	63.2	94.8
39	52.4	42.2	63.2





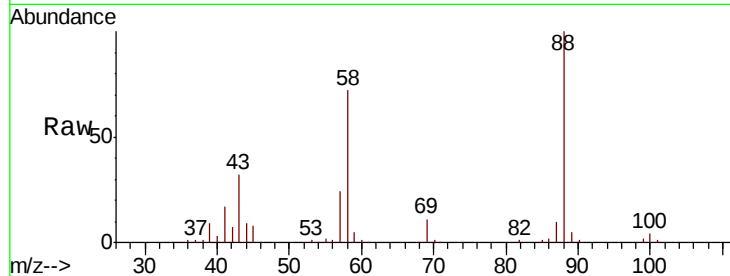
#49
1,4-Dioxane
Concen: 1091.596 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	27.4	41.0
58	70.5	59.4	89.2

Manual Integrations
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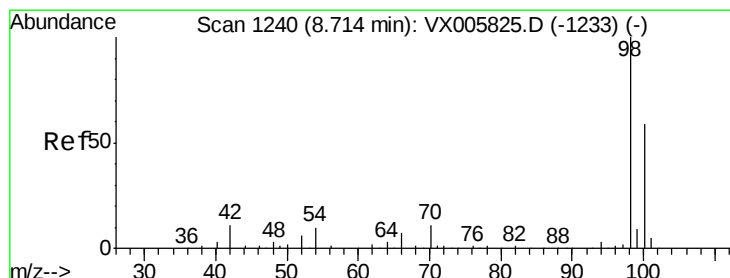
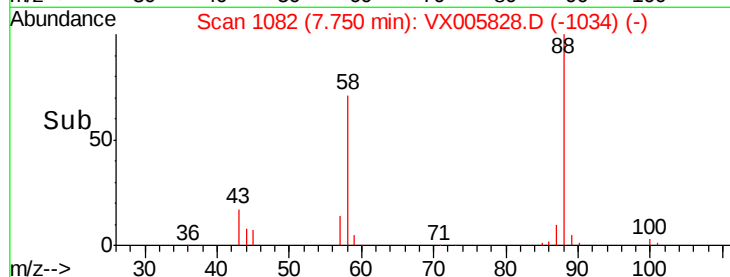
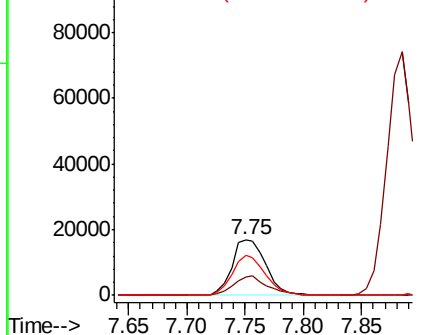


Abundance

Ion 88.00 (87.70 to 88.70): VX0

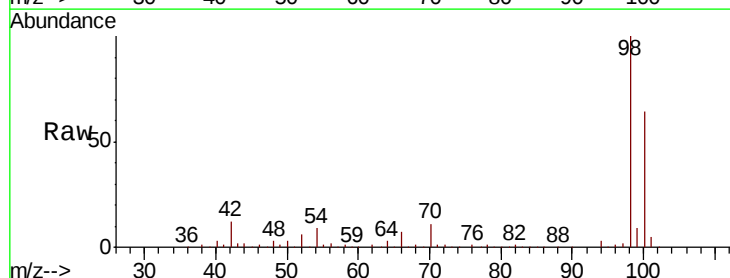
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.097 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

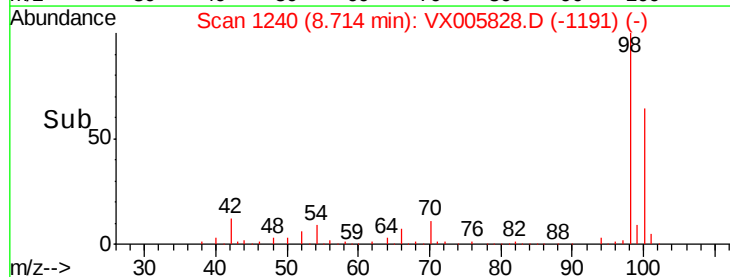
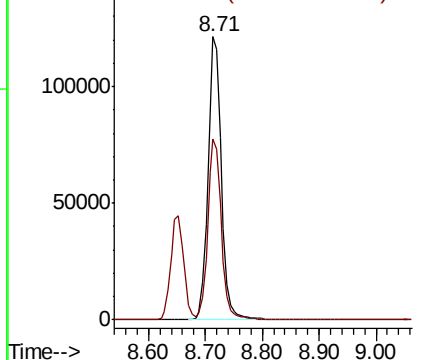
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.3	76.9



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 258.029 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 43 Resp: 524351

Ion Ratio Lower Upper

43 100

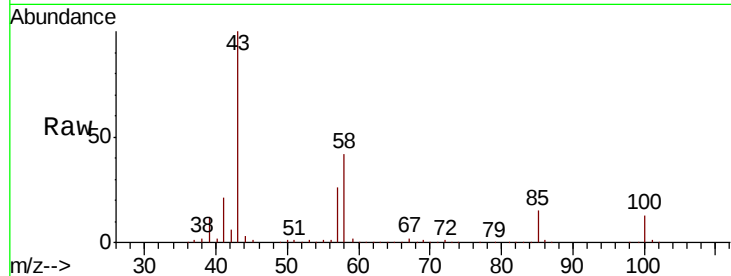
58 39.6 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

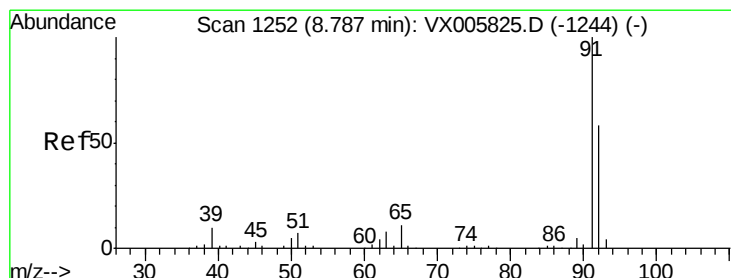
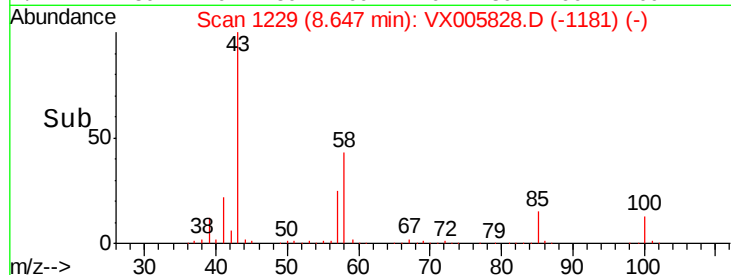
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.907 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005828.D

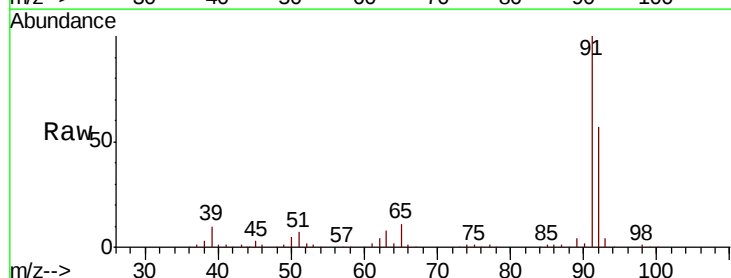
Acq: 07 Nov 2018 14:45

Tgt Ion: 92 Resp: 132080

Ion Ratio Lower Upper

92 100

91 175.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

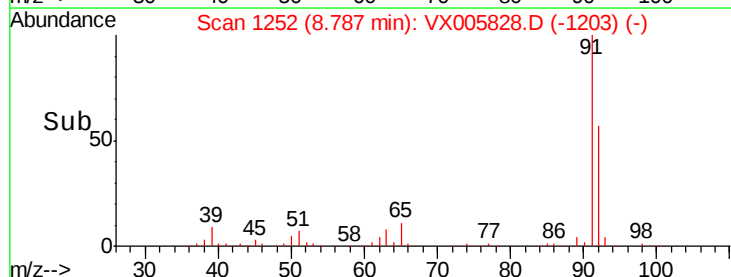
150000

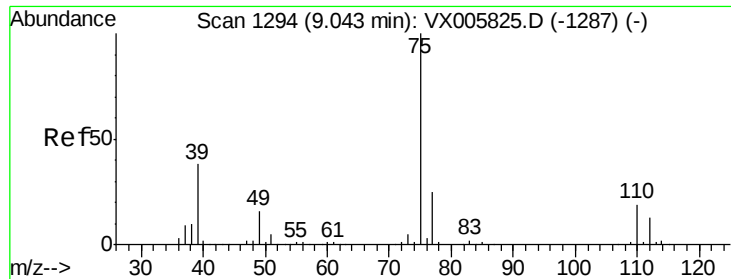
100000

50000

0

Time-->





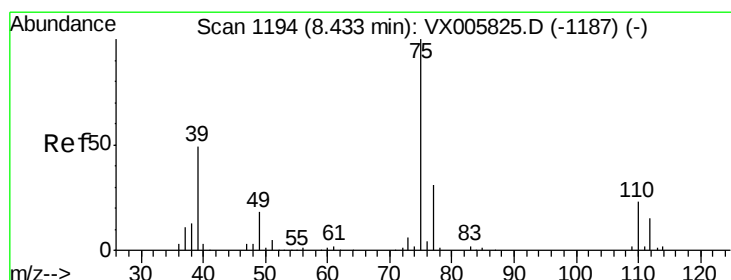
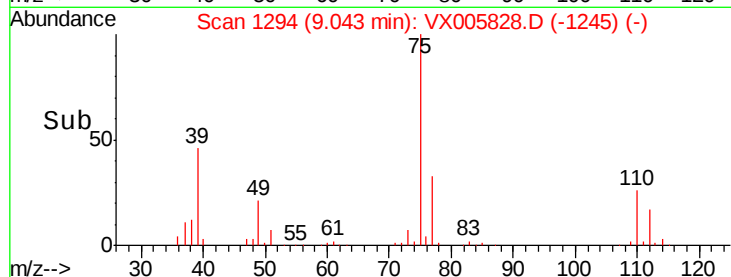
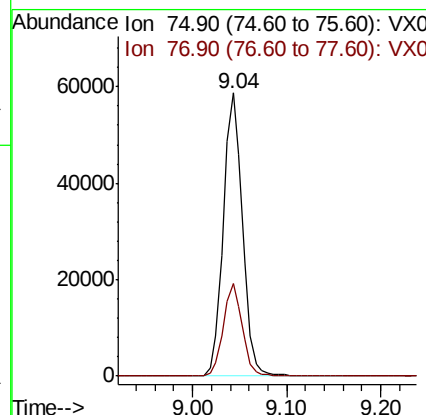
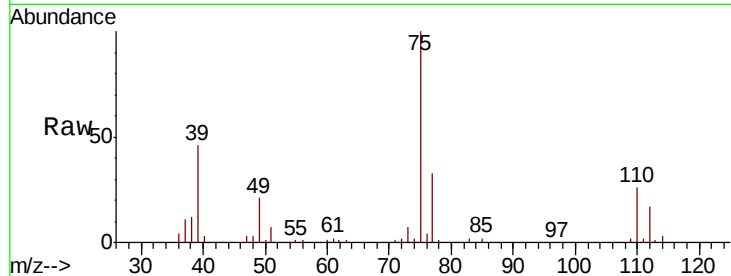
#53
t-1,3-Dichloropropene
Concen: 49.485 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion: 75 Resp: 82920
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2

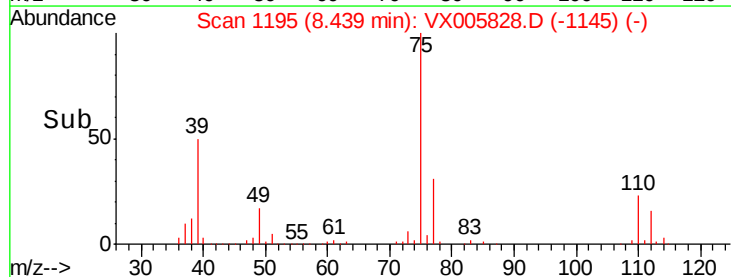
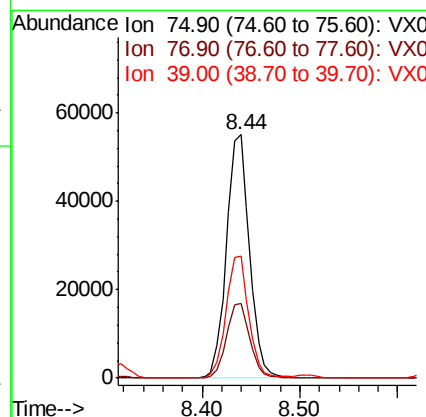
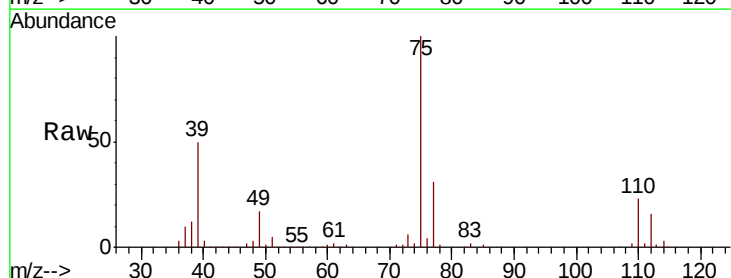
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#54
cis-1,3-Dichloropropene
Concen: 52.669 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion: 75 Resp: 89955
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8
39 49.9 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 49.047 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

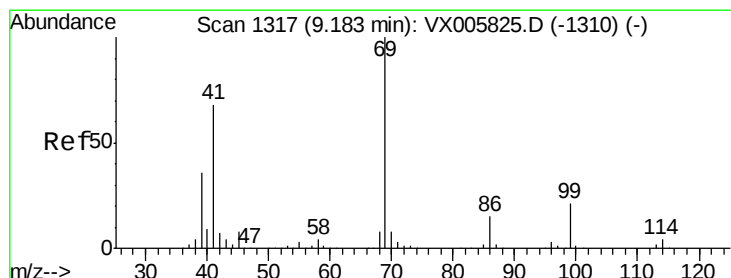
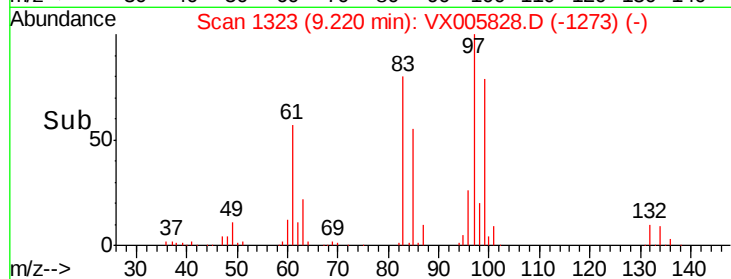
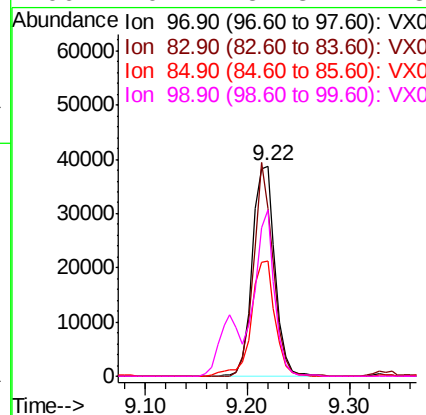
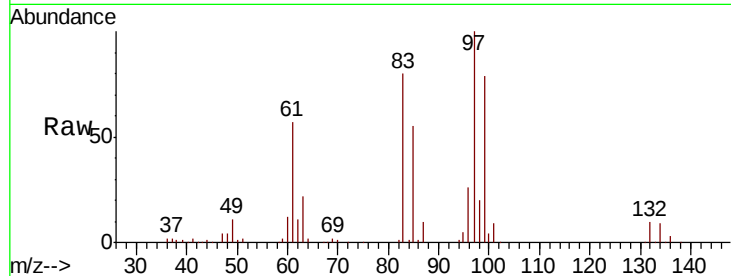
ClientSampleId :

ICVVX110718

Tot Ion:	97	Resp:	60266
Ion	Ratio	Lower	Upper
97	100		
83	80.0	70.7	106.1
85	54.7	45.8	68.6
99	79.1	51.8	77.8#

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#56

Ethyl methacrylate

Concen: 53.653 ug/l

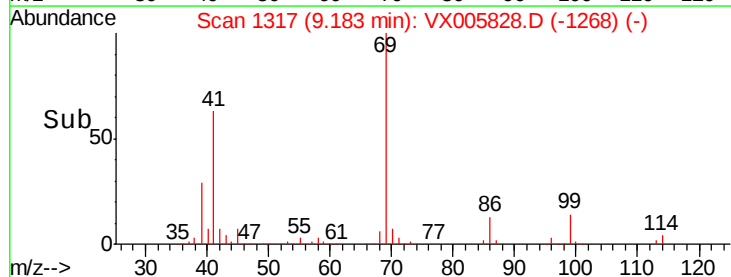
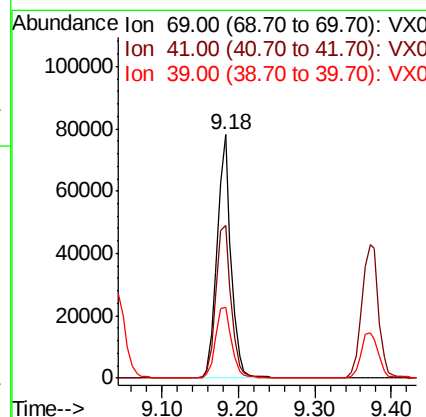
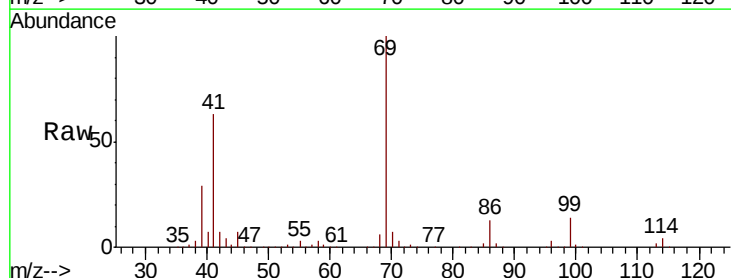
RT: 9.18 min Scan# 1317

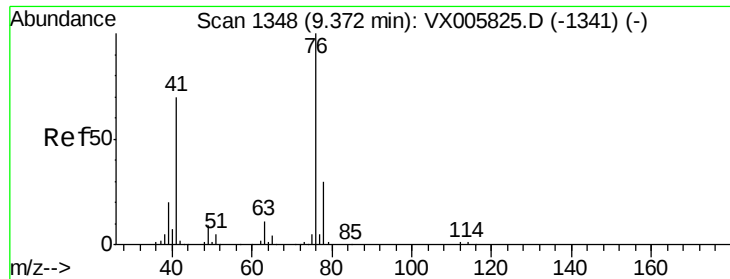
Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Tgt Ion:	69	Resp:	98641
Ion	Ratio	Lower	Upper
69	100		
41	69.4	57.0	85.6
39	33.1	28.3	42.5





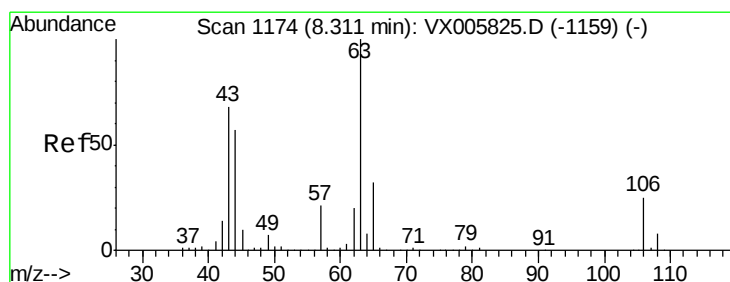
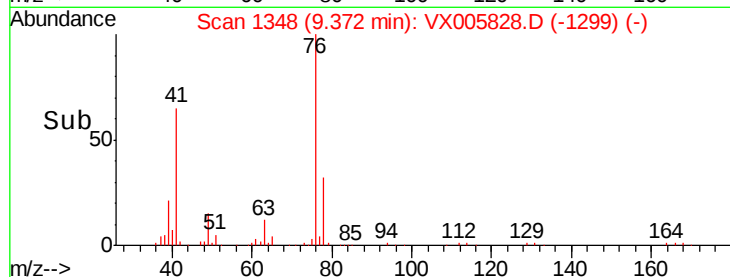
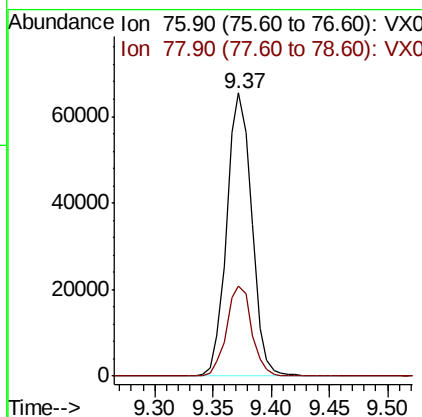
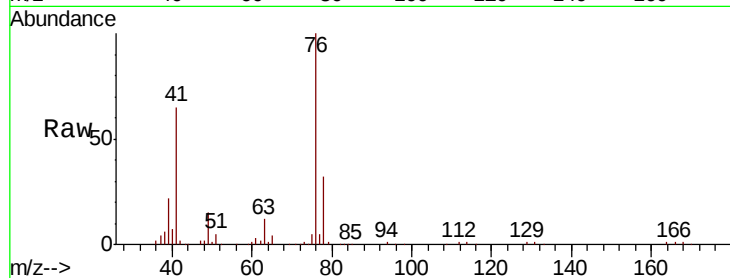
#57
 1,3-Dichloropropane
 Concen: 47.486 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110718

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.3	37.9

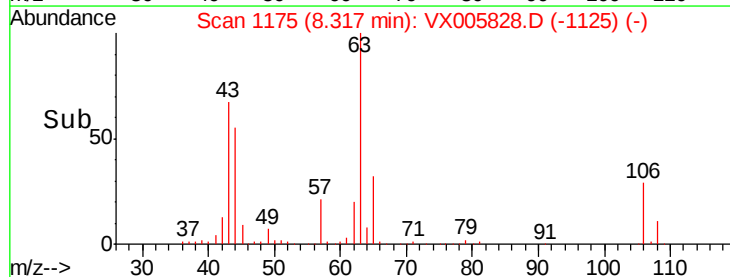
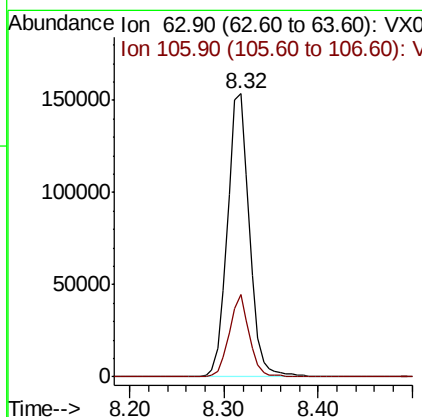
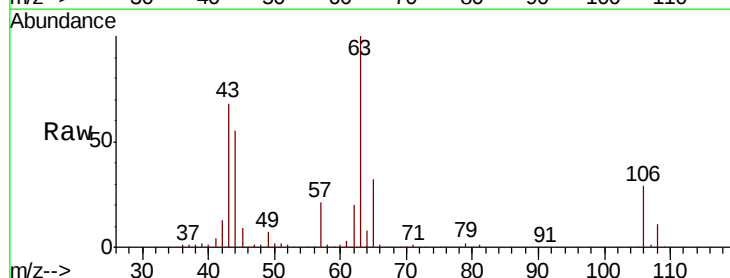
Manual Integrations
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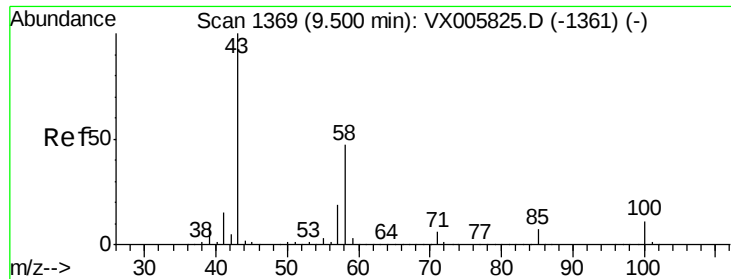
MMDadoda
 11/8/2018 10:35:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.717 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





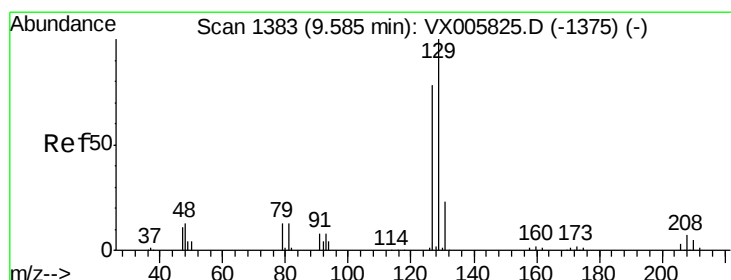
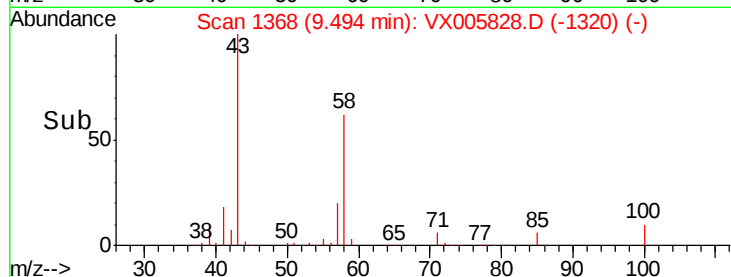
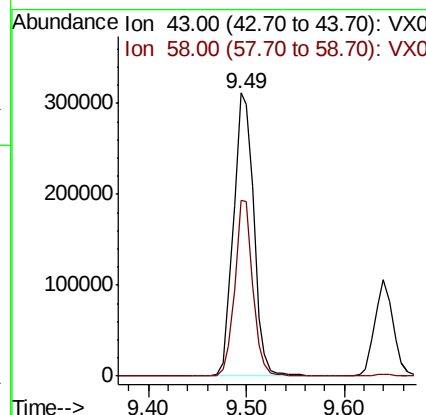
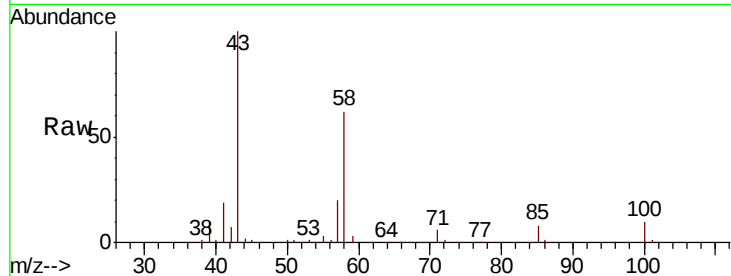
#59
2-Hexanone
Concen: 250.025 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion: 43 Resp: 447856
Ion Ratio Lower Upper
43 100
58 55.7 25.9 77.8

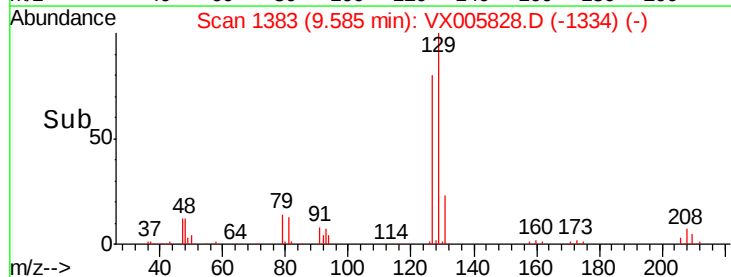
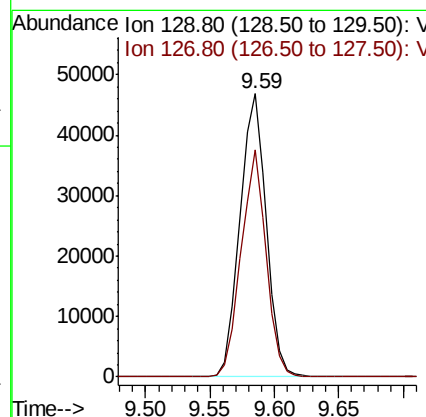
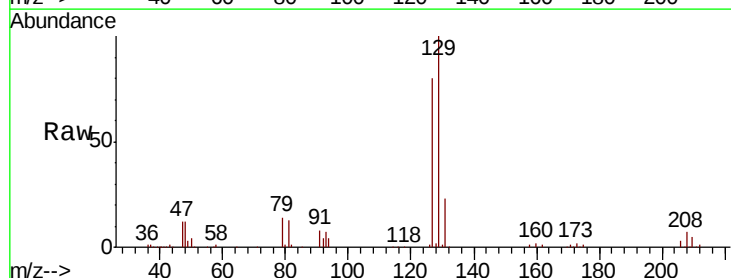
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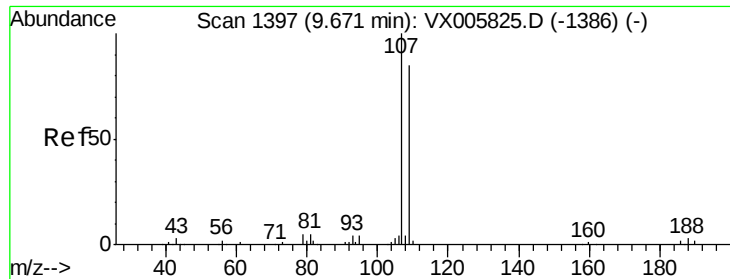
MMDadoda
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#60
Dibromochloromethane
Concen: 50.211 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion: 129 Resp: 66677
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7





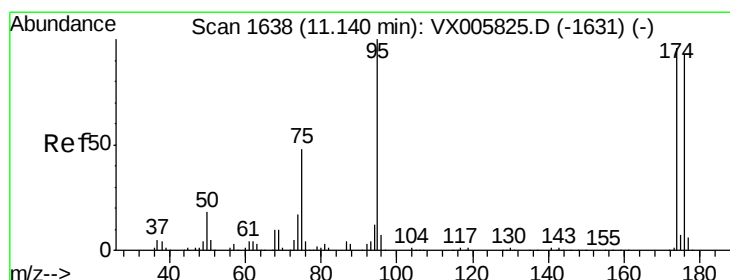
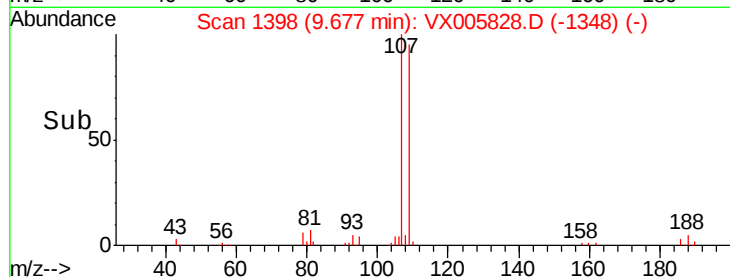
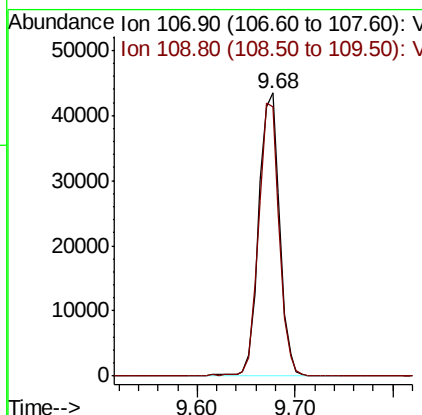
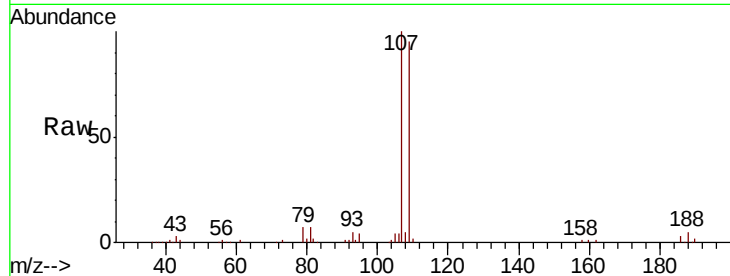
#61
 1,2-Dibromoethane
 Concen: 47.220 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110718

Tot Ion:107 Resp: 64158
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.7 113.5

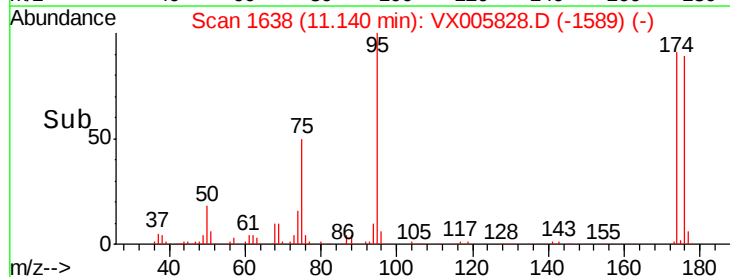
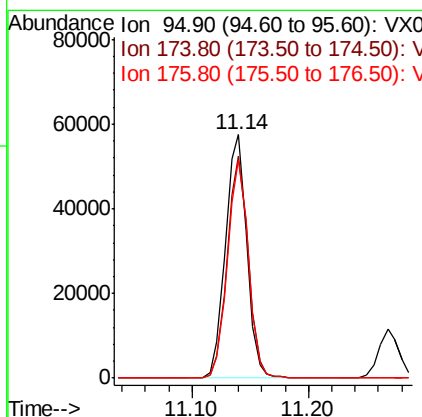
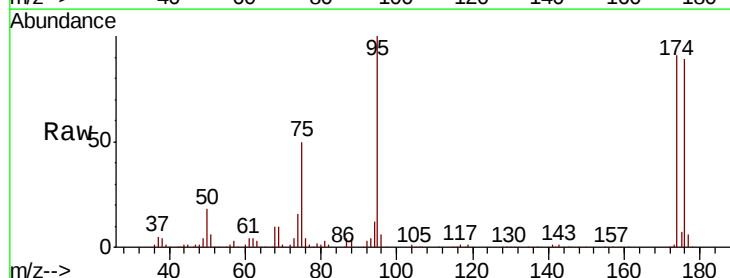
Manual Integrations
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 11/8/2018 10:35:42 AM



#62
 4-Bromofluorobenzene
 Concen: 51.219 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Tgt Ion: 95 Resp: 73092
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 184.4
 176 88.1 0.0 177.4





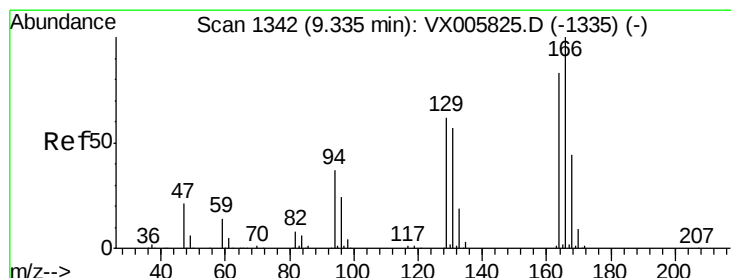
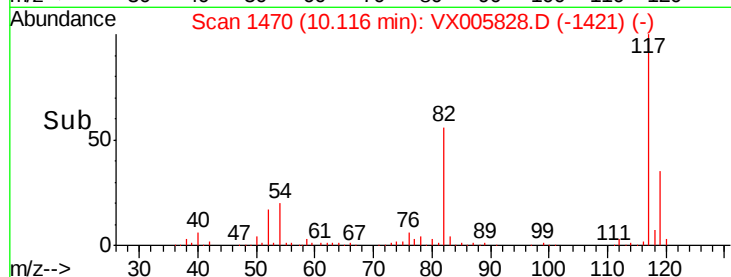
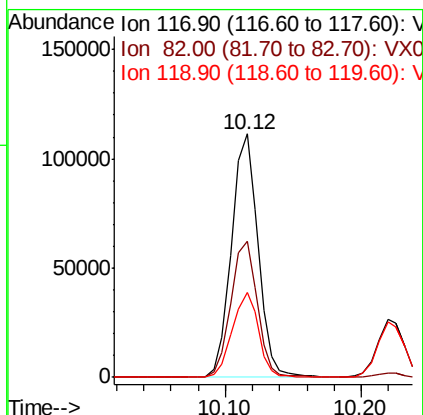
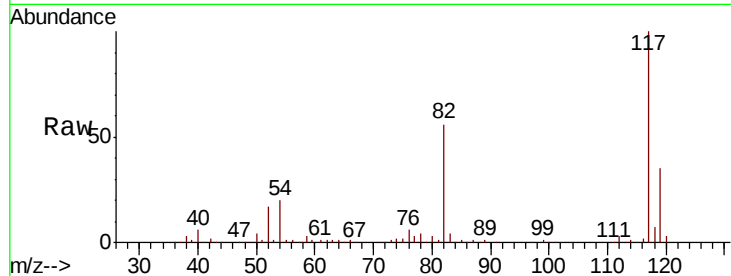
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.1	66.1
119	34.8	26.2	39.2

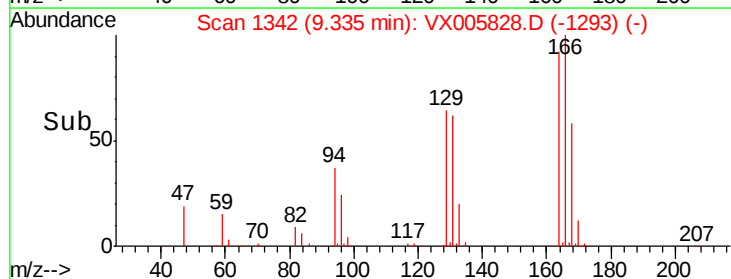
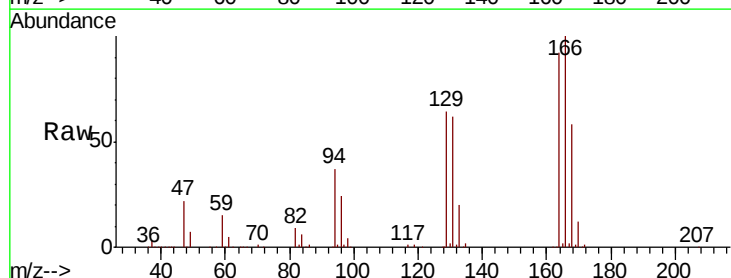
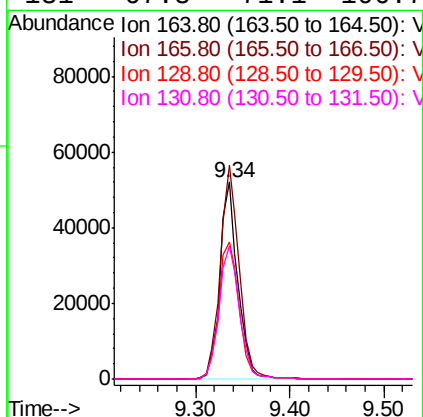
Manual Integrations
APPROVED

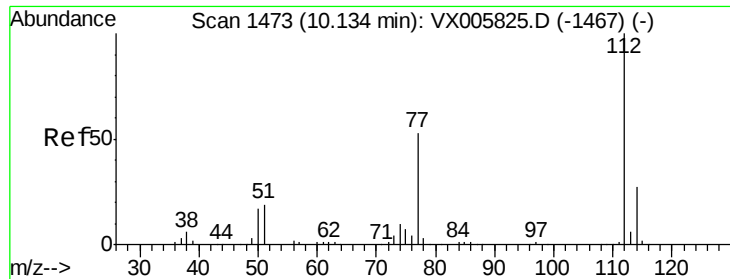
MMDadoda
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#64
Tetrachloroethene
Concen: 52.985 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	108.5	101.9	152.9
129	69.6	72.6	109.0#
131	67.8	71.1	106.7#





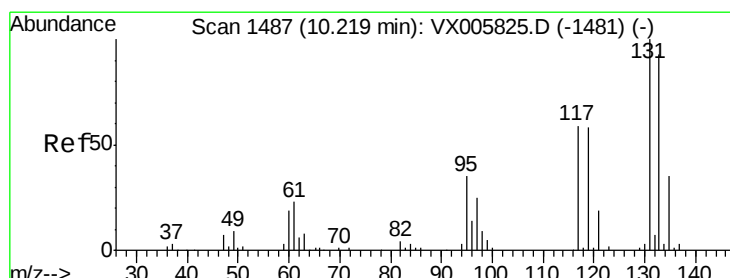
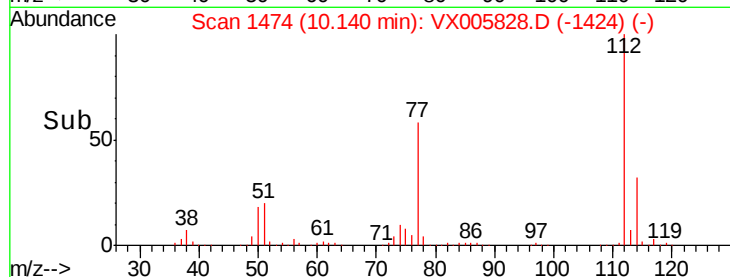
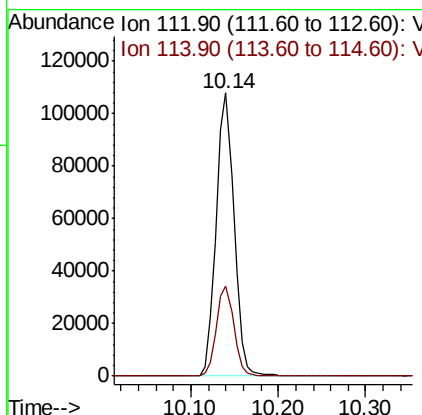
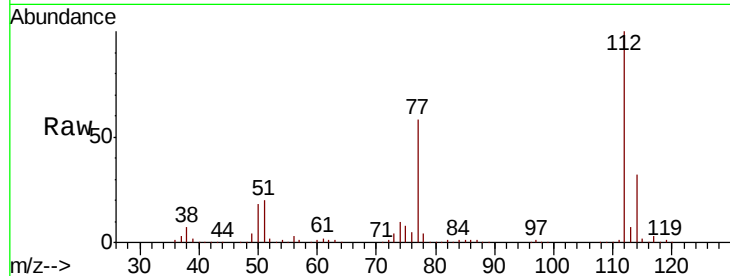
#65
Chlorobenzene
Concen: 50.246 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion:112 Resp: 152585
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

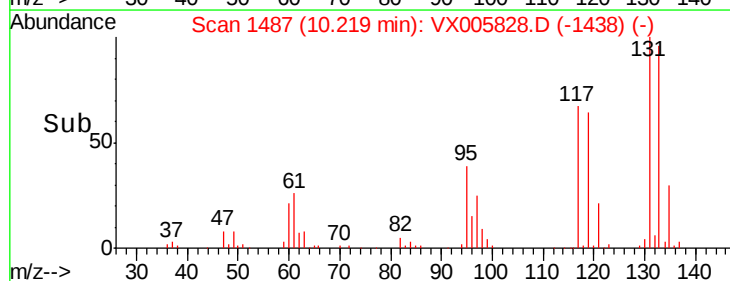
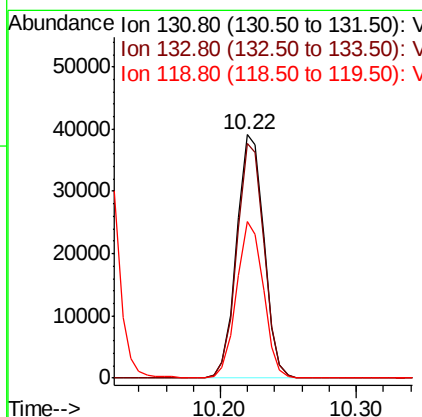
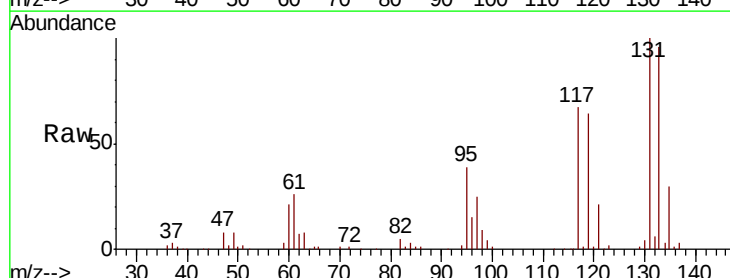
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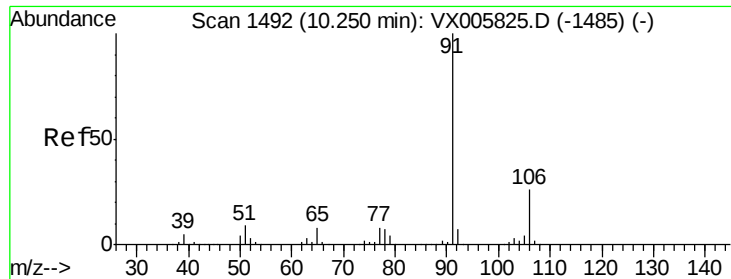
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.711 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion:131 Resp: 54593
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.5
119 63.3 31.8 95.3





#67

Ethyl Benzene

Concen: 53.573 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 91 Resp: 260872

Ion Ratio Lower Upper

91 100

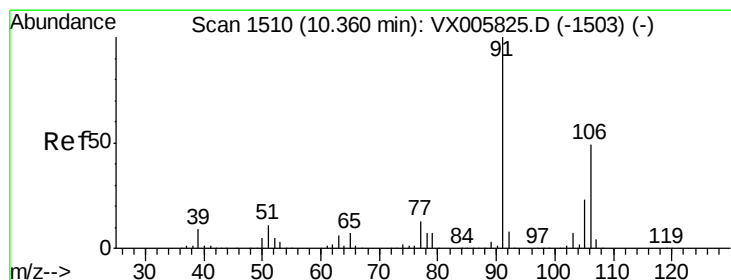
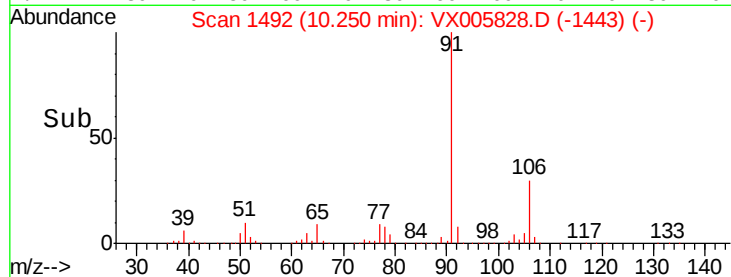
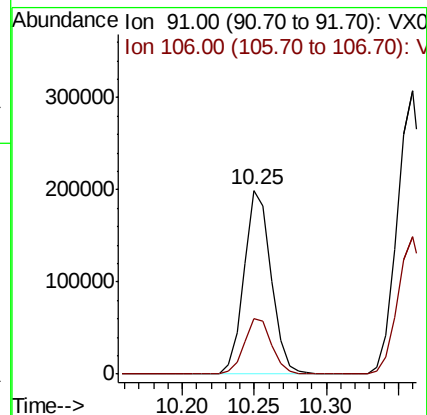
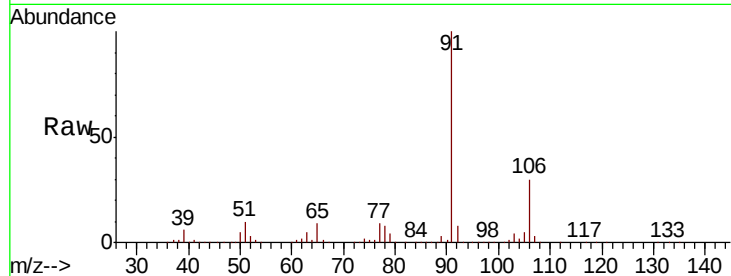
106 29.9 24.4 36.6

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#68

m/p-Xylenes

Concen: 107.861 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005828.D

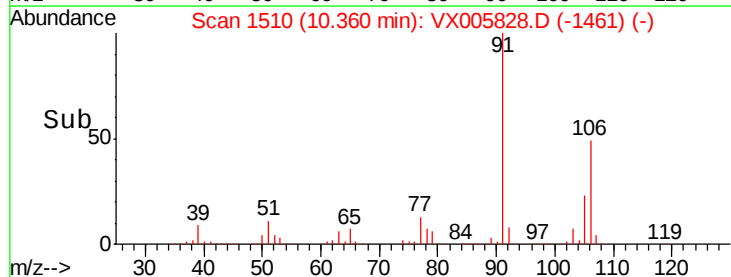
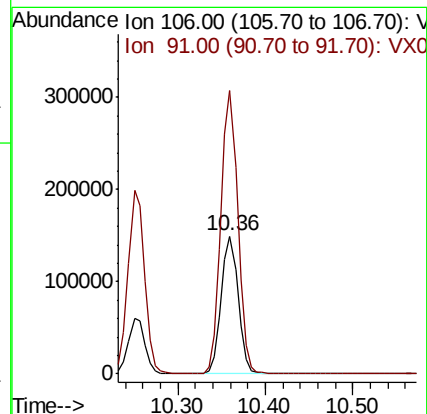
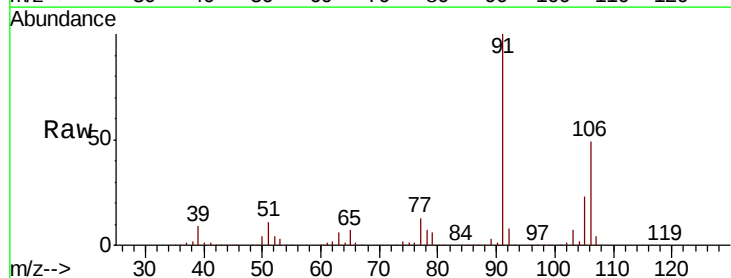
Acq: 07 Nov 2018 14:45

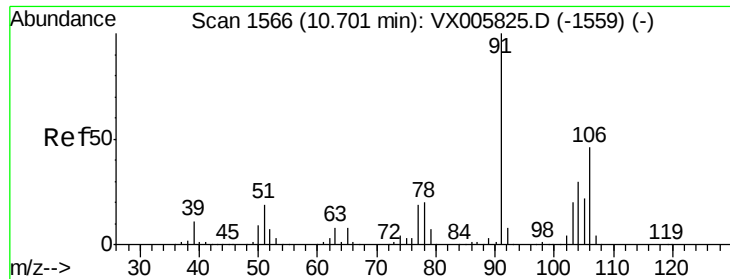
Tgt Ion: 106 Resp: 200341

Ion Ratio Lower Upper

106 100

91 206.0 164.2 246.4





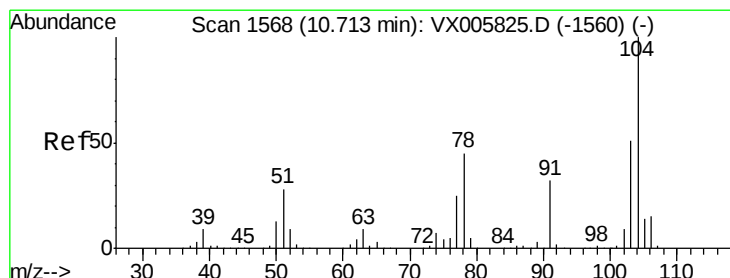
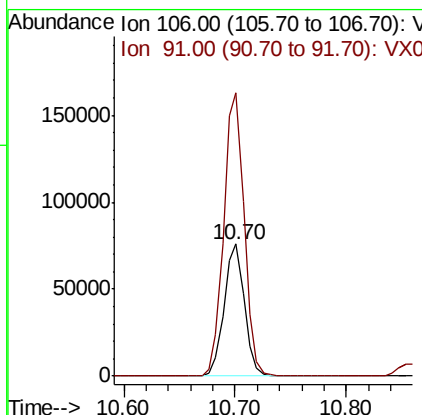
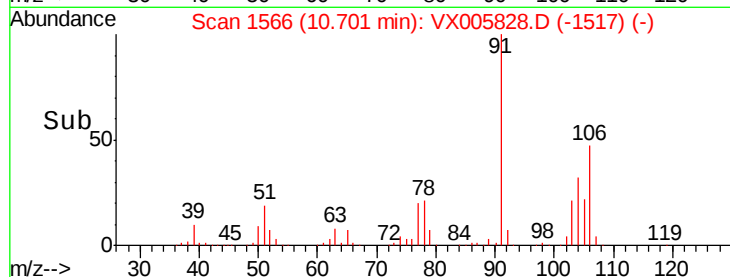
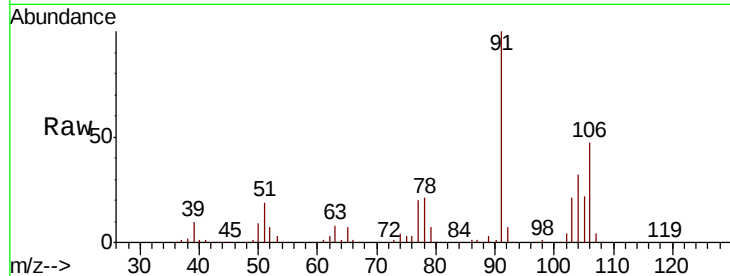
#69
o-Xylene
Concen: 57.166 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion:106 Resp: 95212
Ion Ratio Lower Upper
106 100
91 217.4 108.5 325.5

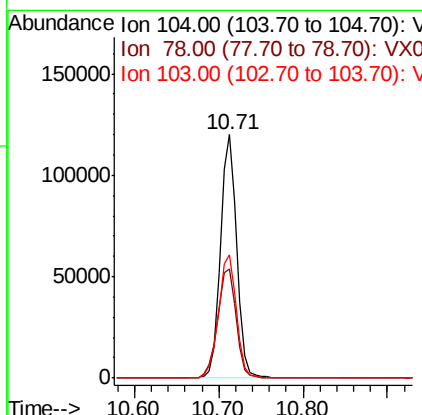
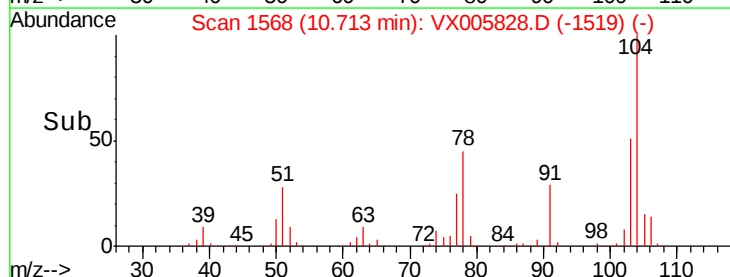
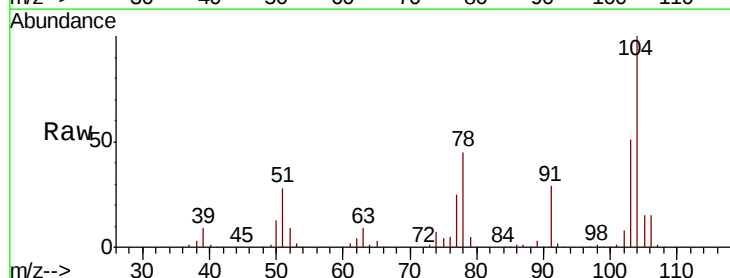
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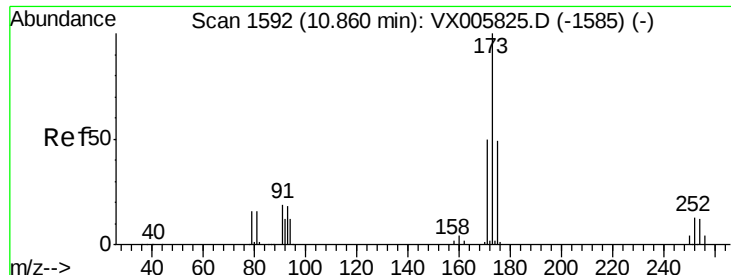
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#70
Styrene
Concen: 58.409 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion:104 Resp: 160480
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 55.8 44.9 67.3





#71

Bromoform

Concen: 55.609 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampled :

ICVVX110718

Tot Ion:173 Resp: 49215

Ion Ratio Lower Upper

173 100

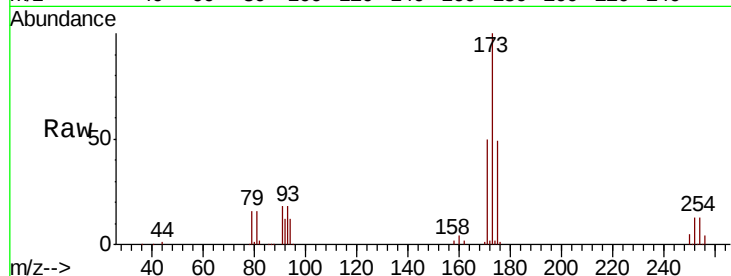
175 49.6 24.8 74.3

254 0.1 0.2 0.2#

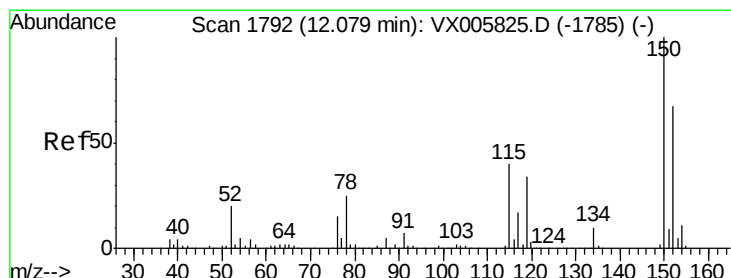
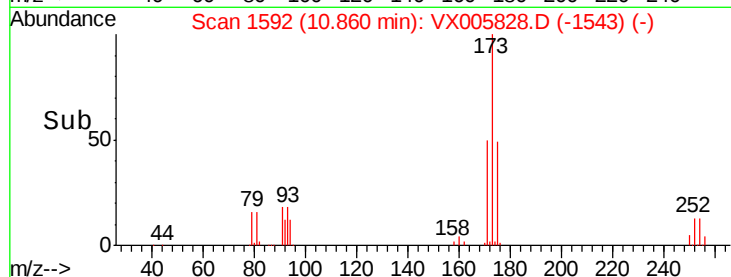
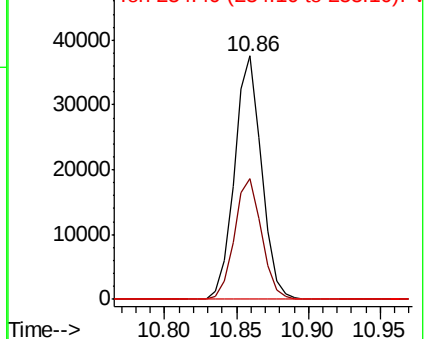
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

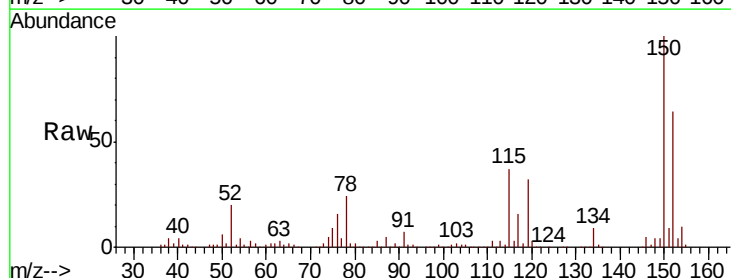
Tgt Ion:152 Resp: 81789

Ion Ratio Lower Upper

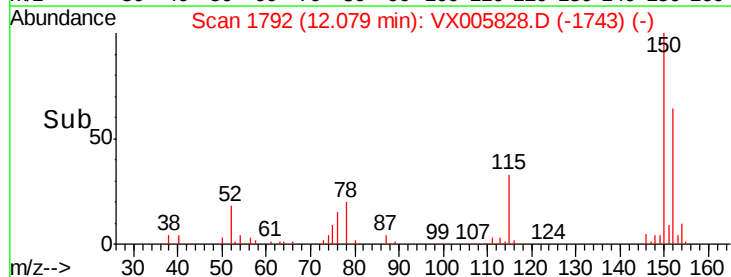
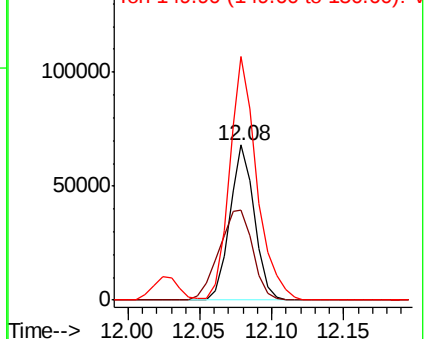
152 100

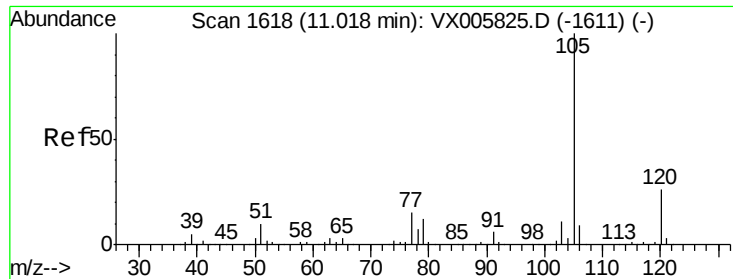
115 79.1 39.4 118.1

150 173.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.772 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX110718

Tot Ion: 105 Resp: 263788

Ion Ratio Lower Upper

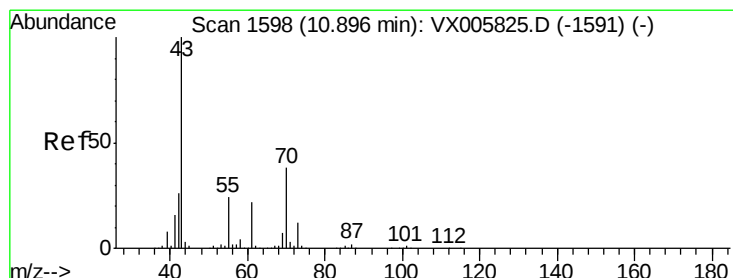
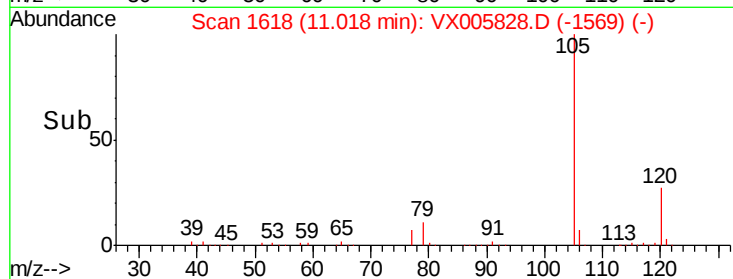
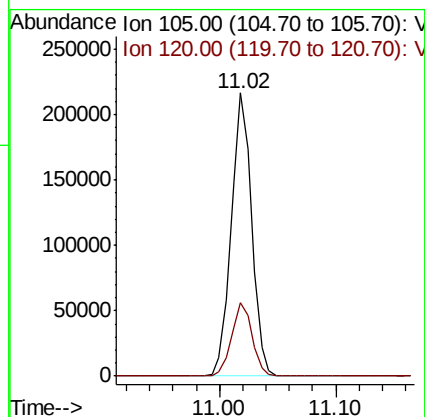
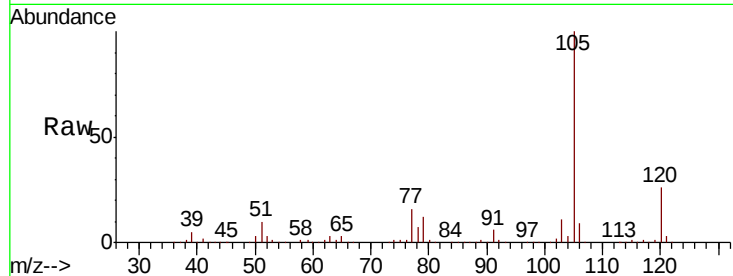
105 100

120 25.9 13.1 39.3

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#74

N-ethyl acetate

Concen: 50.445 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Tgt Ion: 43 Resp: 133902

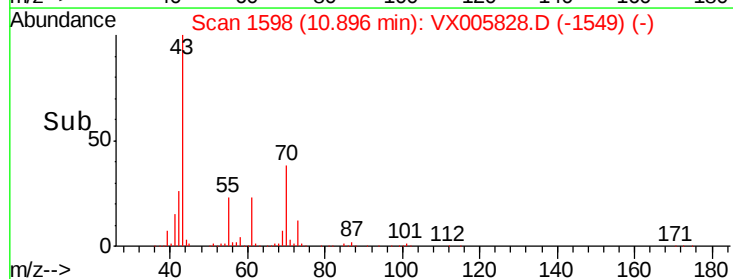
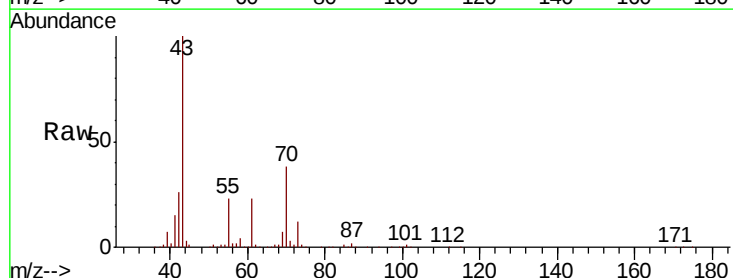
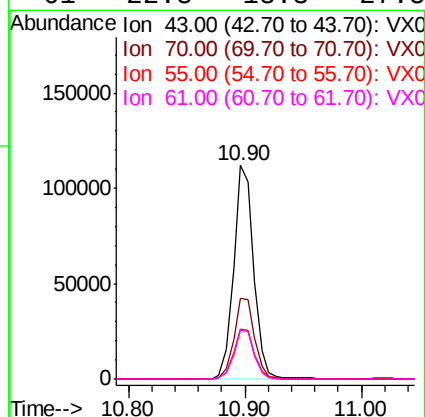
Ion Ratio Lower Upper

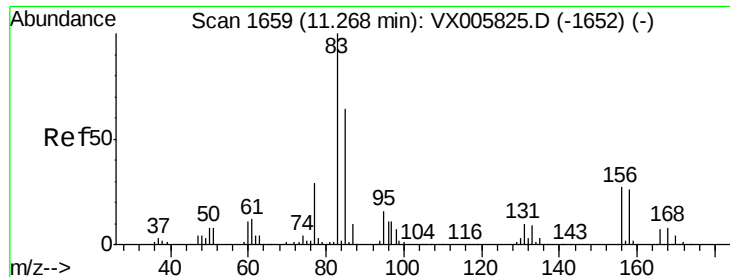
43 100

70 38.8 31.6 47.4

55 24.3 19.7 29.5

61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.613 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

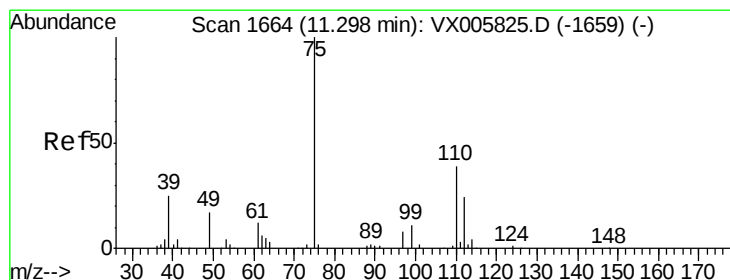
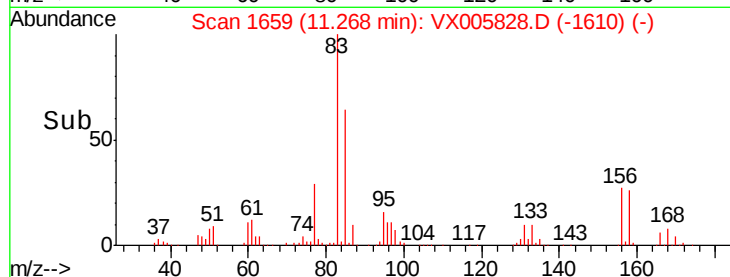
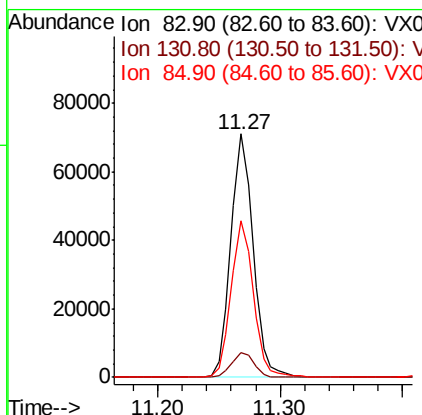
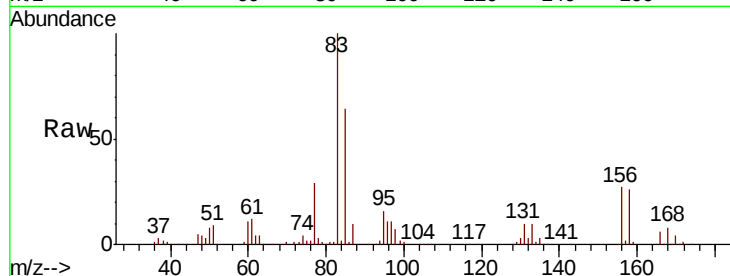
ClientSampleId :

ICVVX110718

Tot Ion:	83	Resp:	89603
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.3	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.351 ug/l m

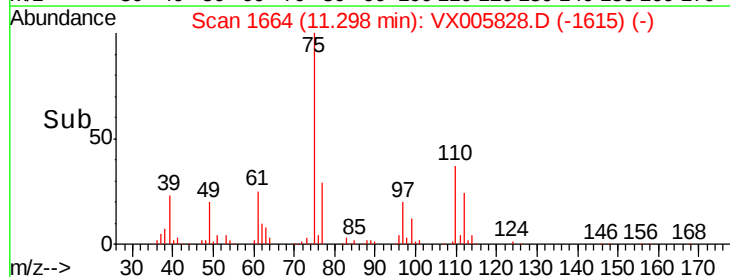
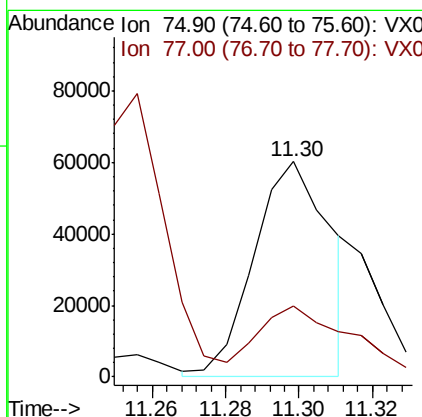
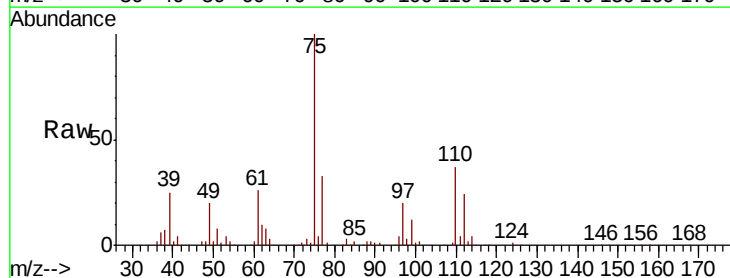
RT: 11.30 min Scan# 1664

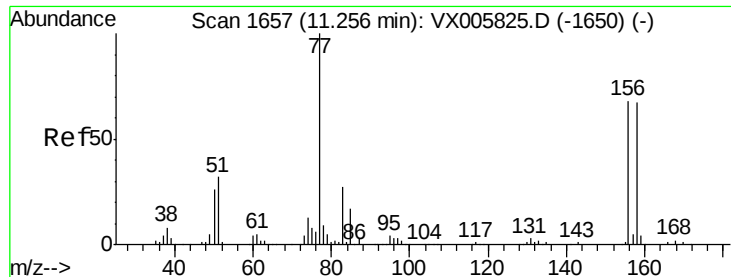
Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Tgt Ion:	75	Resp:	87185
Ion Ratio	Lower	Upper	
75	100		
77	39.8	20.5	61.6





#77

Bromobenzene

Concen: 51.551 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampled :

ICVVX110718

Tot Ion:156 Resp: 68724

Ion Ratio Lower Upper

156 100

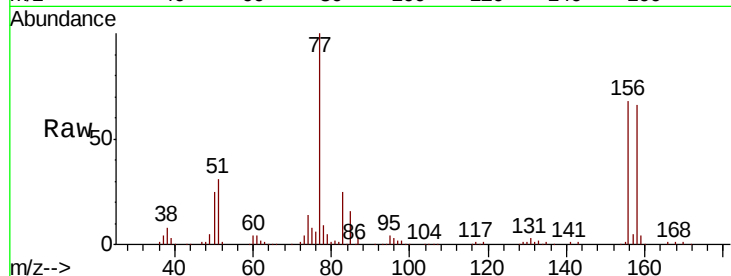
77 150.1 74.8 224.4

158 97.9 49.1 147.3

Manual Integrations
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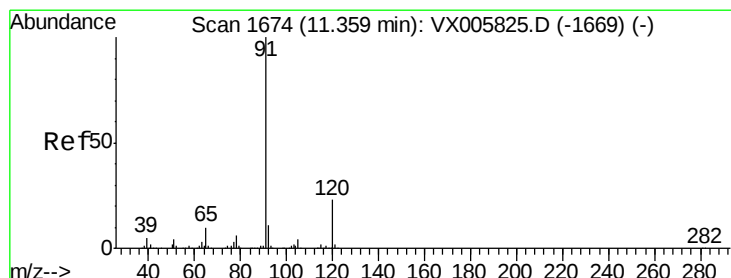
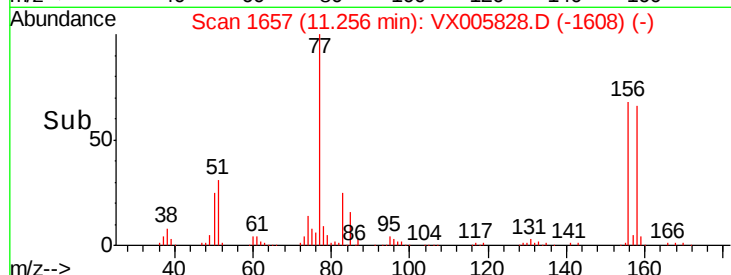
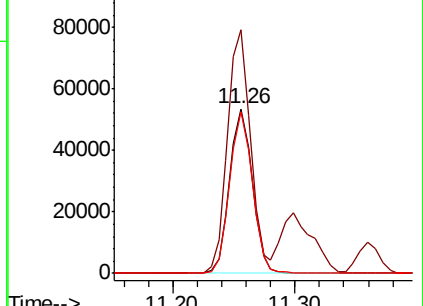
11/8/2018 10:35:42 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.366 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005828.D

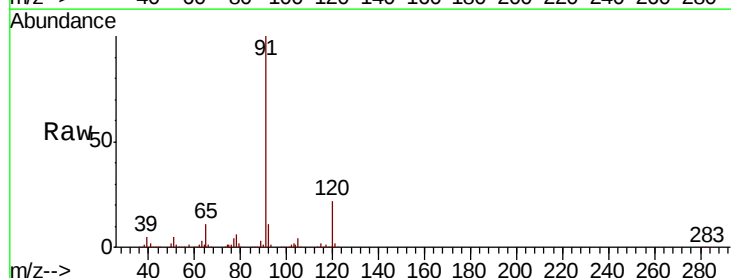
Acq: 07 Nov 2018 14:45

Tgt Ion: 91 Resp: 308617

Ion Ratio Lower Upper

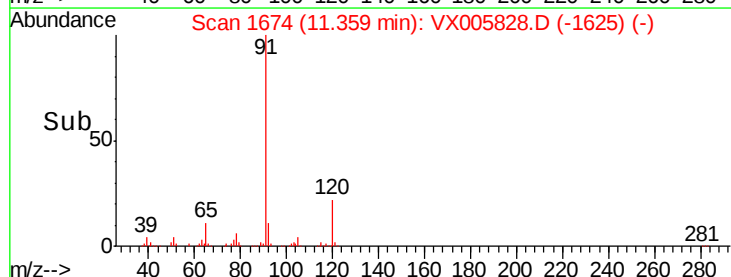
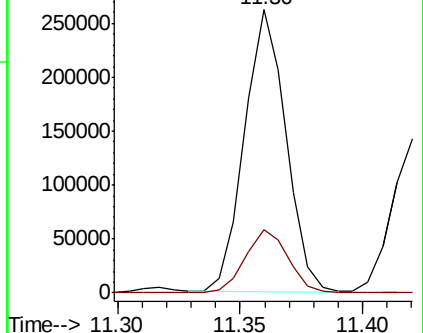
91 100

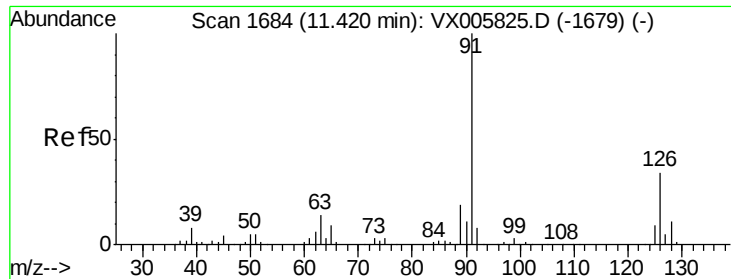
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





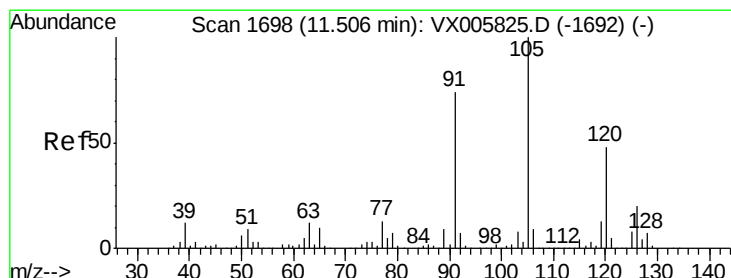
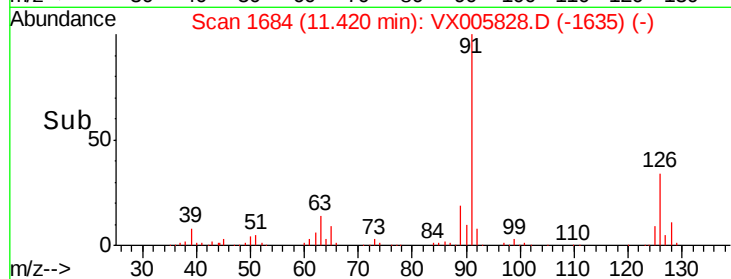
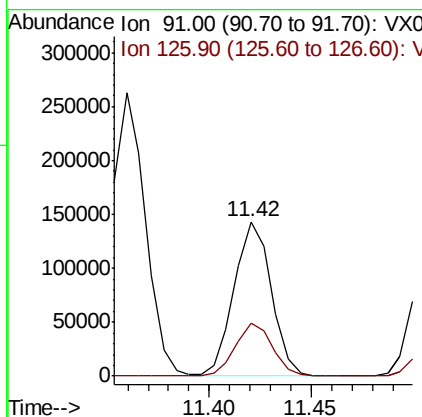
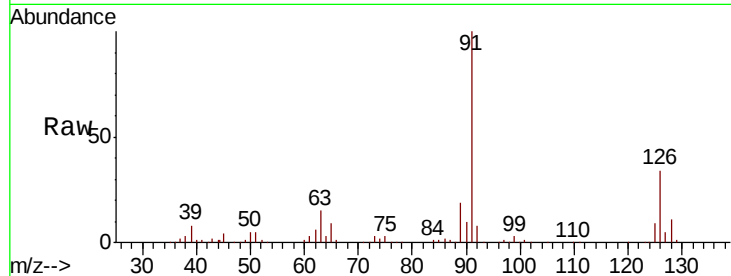
#79
2-Chlorotoluene
Concen: 53.516 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion: 91 Resp: 180308
Ion Ratio Lower Upper
91 100
126 34.2 17.3 52.0

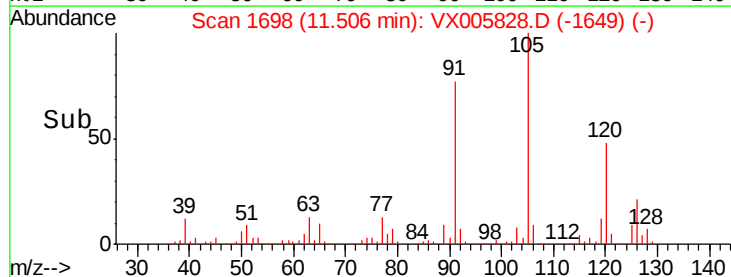
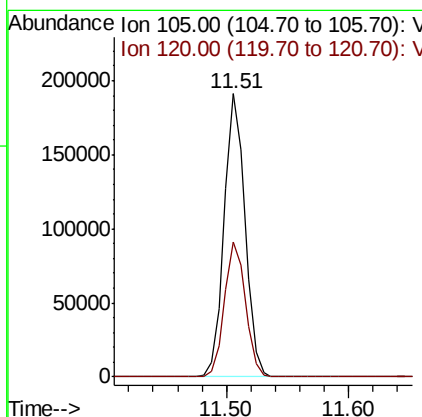
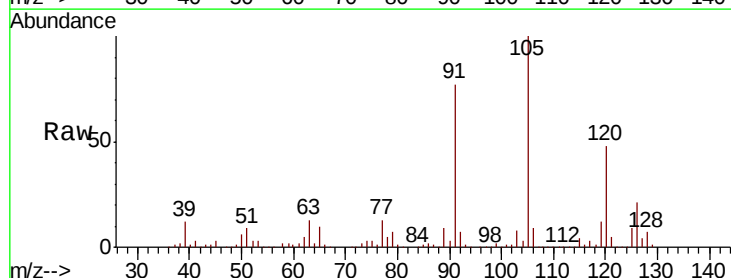
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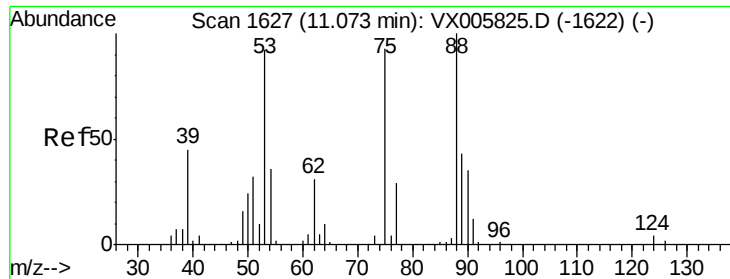
MMDadoda
11/8/2018 10:35:42 AM



#80
1,3,5-Trimethylbenzene
Concen: 56.054 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion: 105 Resp: 225301
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.817 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

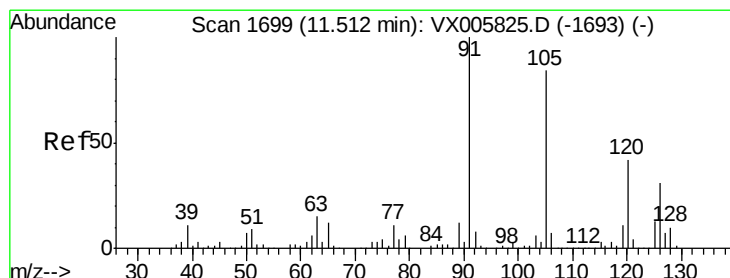
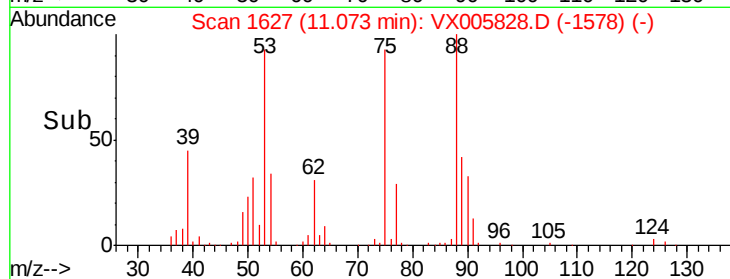
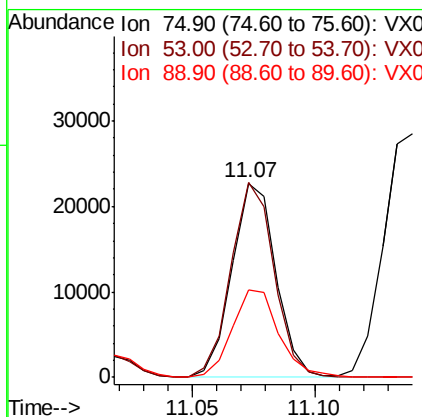
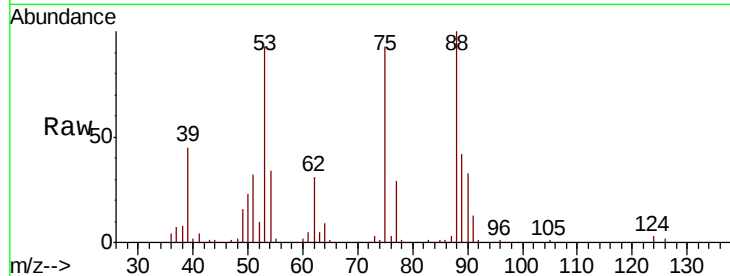
ClientSampleId :

ICVVX110718

Tot Ion:	75	Resp:	28121
Ion Ratio	Lower	Upper	
75	100		
53	99.7	80.2	120.2
89	48.7	39.8	59.8

Manual Integrations
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MMDadoda
11/8/2018 10:35:42 AM



#82

4-Chlorotoluene

Concen: 54.335 ug/l

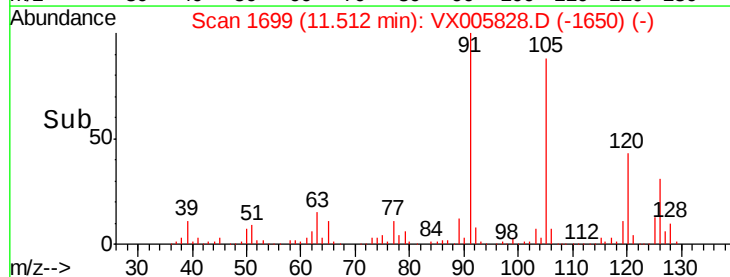
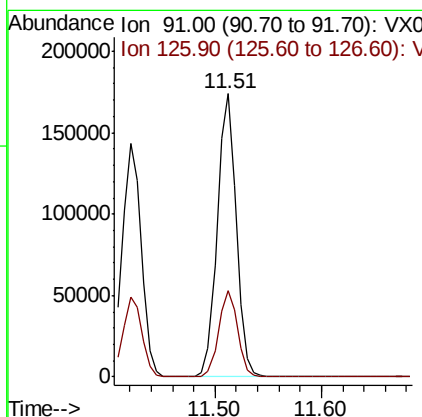
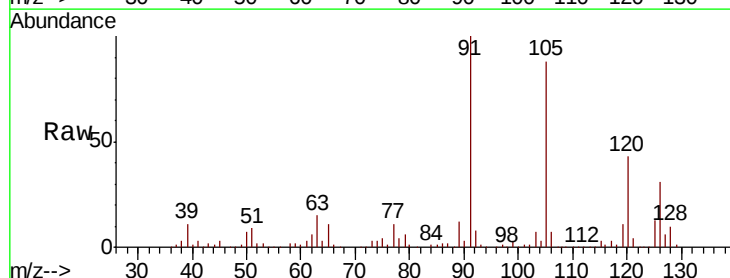
RT: 11.51 min Scan# 1699

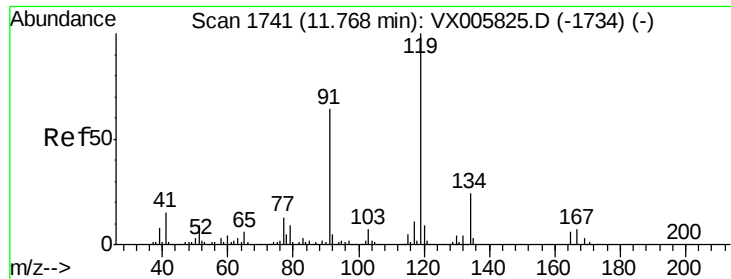
Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Tgt Ion:	91	Resp:	215751
Ion Ratio	Lower	Upper	
91	100		
126	30.3	15.2	45.6





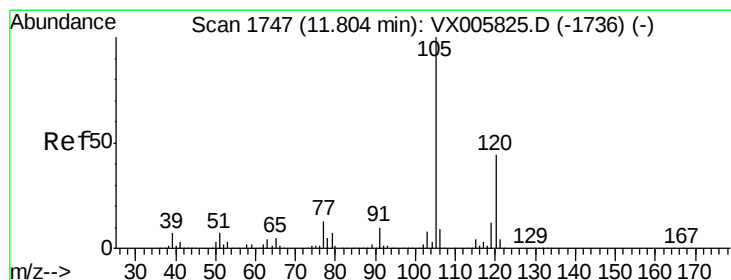
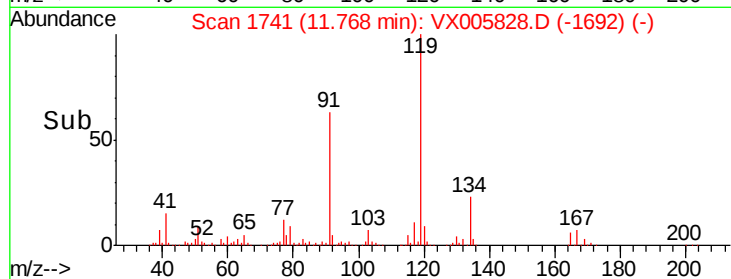
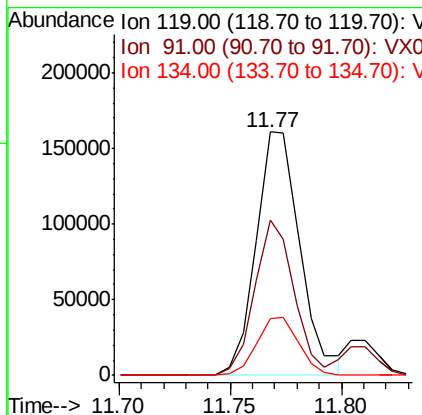
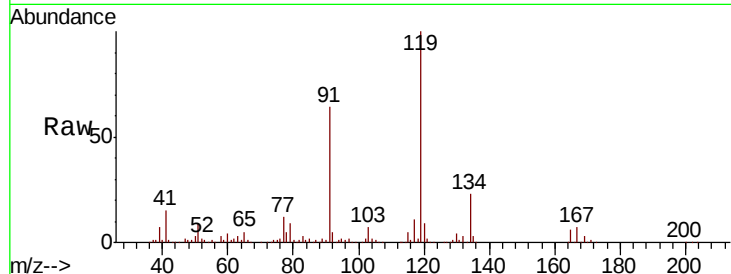
#83
tert-Butylbenzene
Concen: 54.437 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Resp	Lower	Upper
119	100	221355		
91	57.3	28.5	85.5	
134	22.7	11.3	33.8	

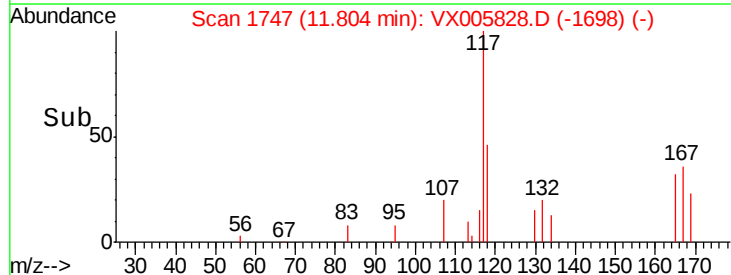
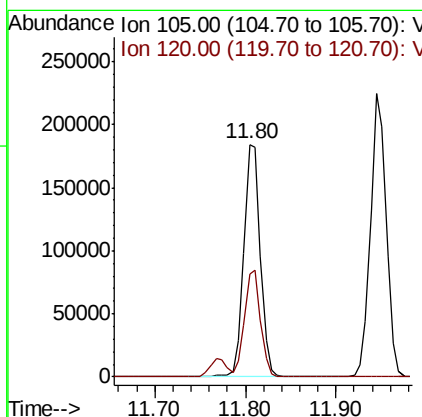
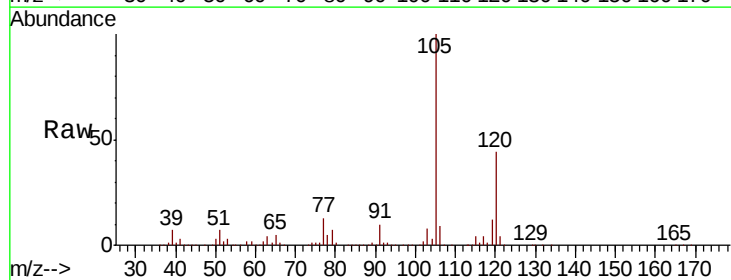
Manual Integrations
APPROVED

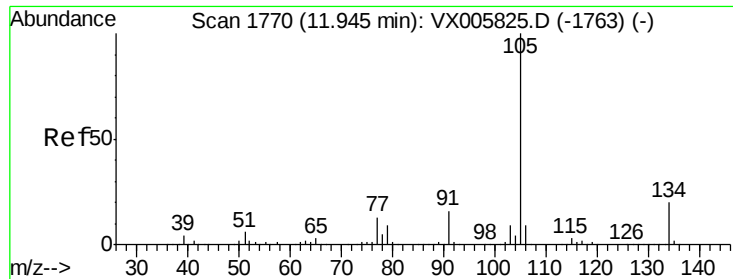
MMDadoda
11/8/2018 10:35:42 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.432 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	232545		
120	44.6	22.4	67.0	





#85

sec-Butylbenzene

Concen: 54.336 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX110718

Tot Ion:105 Resp: 270183

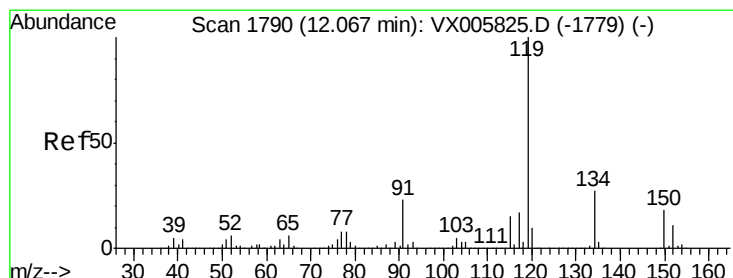
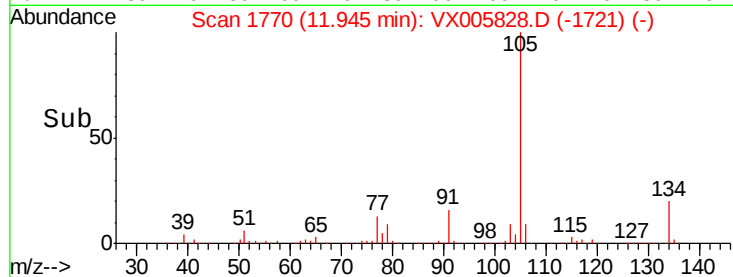
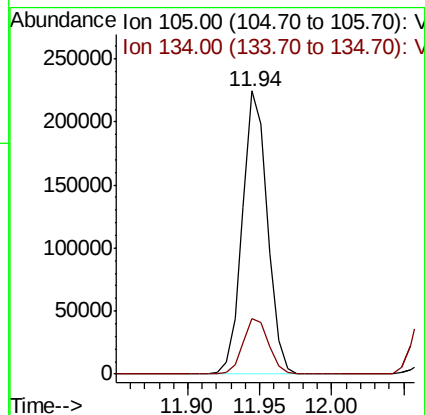
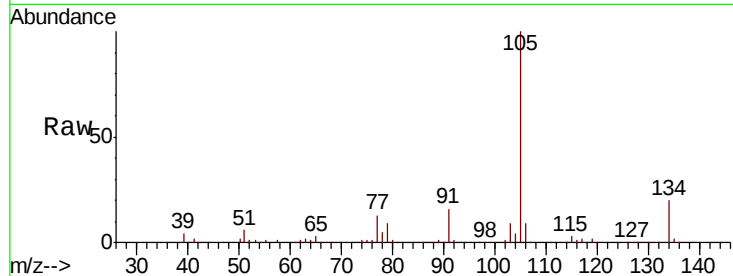
Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.4

Manual Integrations
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MMDadoda
11/8/2018 10:35:42 AM



#86

p-Isopropyltoluene

Concen: 55.395 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

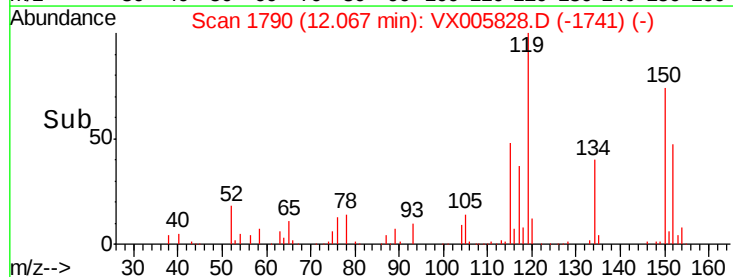
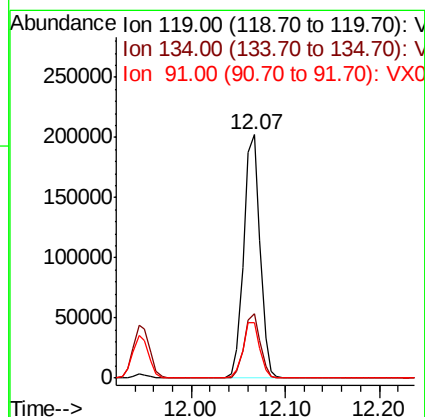
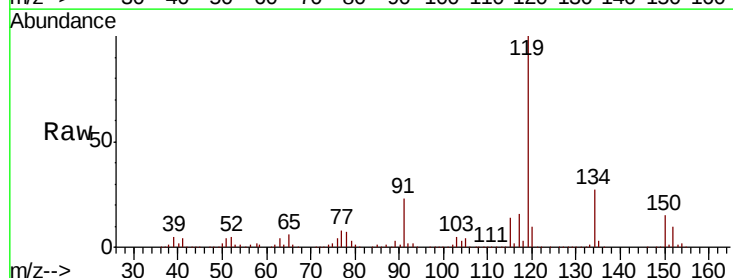
Tgt Ion:119 Resp: 243984

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

91 23.6 11.4 34.2





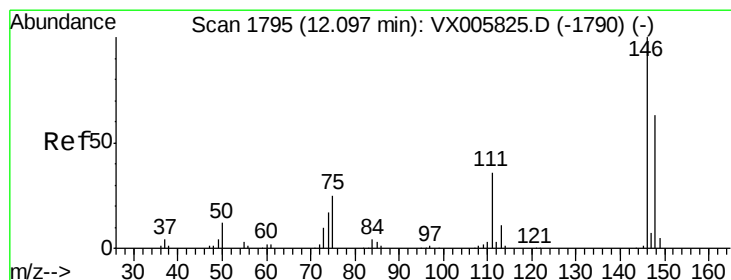
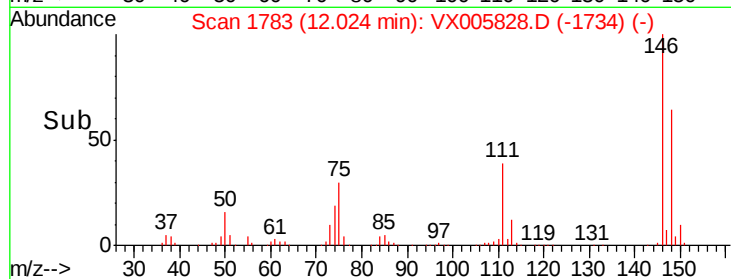
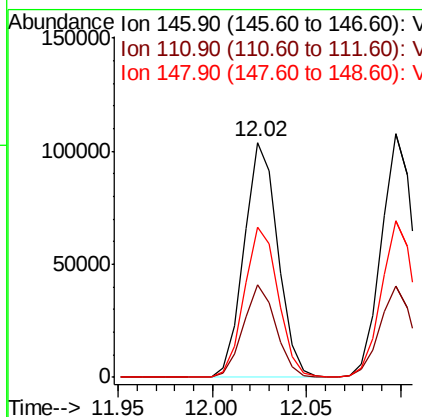
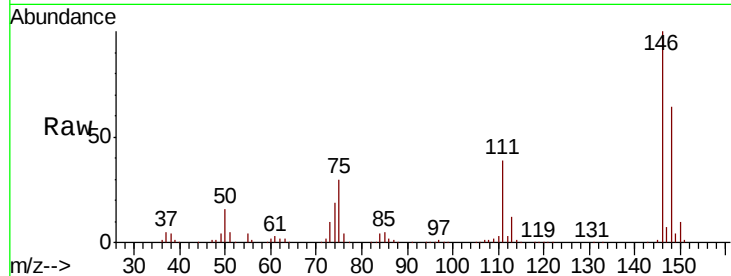
#87
 1,3-Dichlorobenzene
 Concen: 50.590 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110718

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	64.3	31.9	95.9

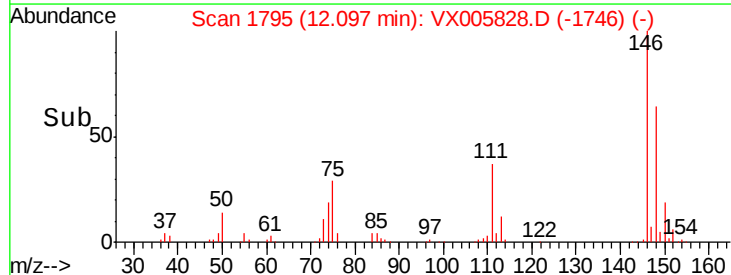
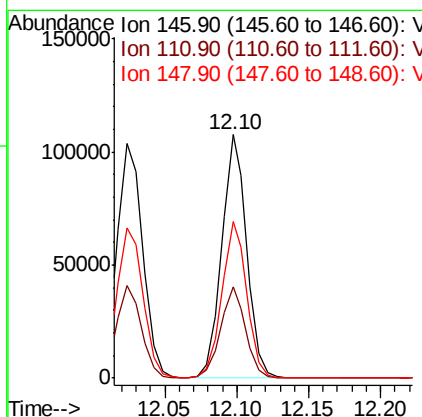
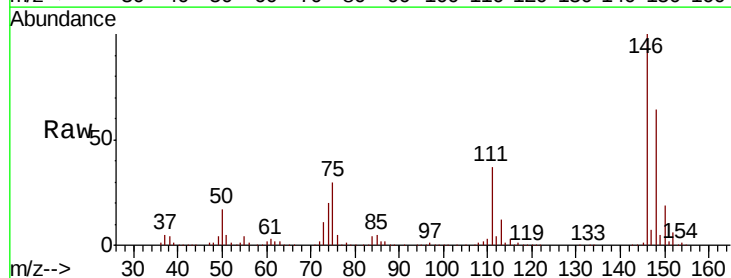
Manual Integrations
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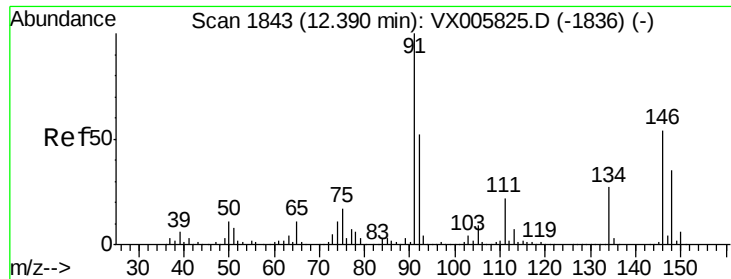
MMDadoda
 11/8/2018 10:35:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.998 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	64.5	32.1	96.3





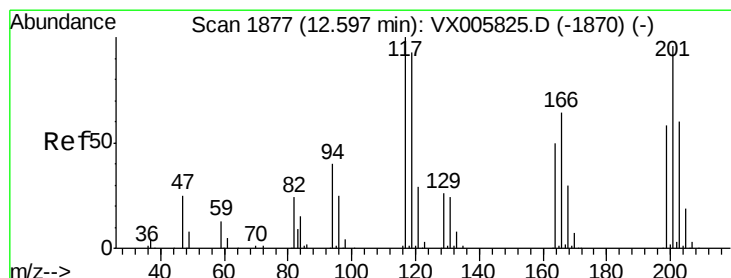
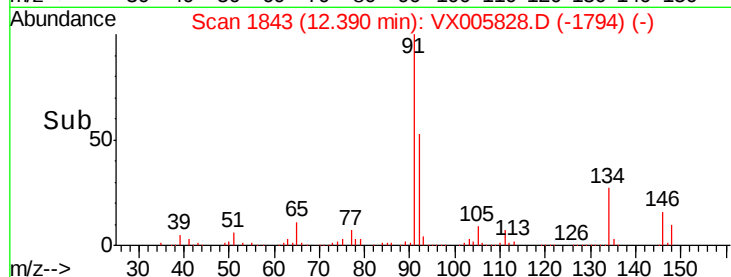
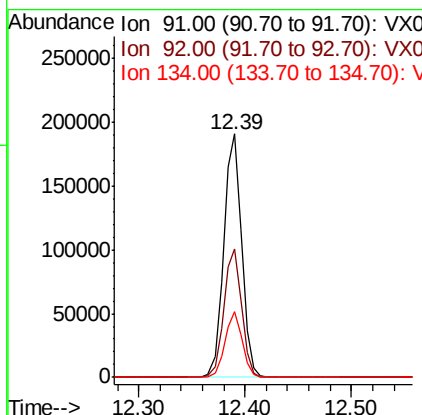
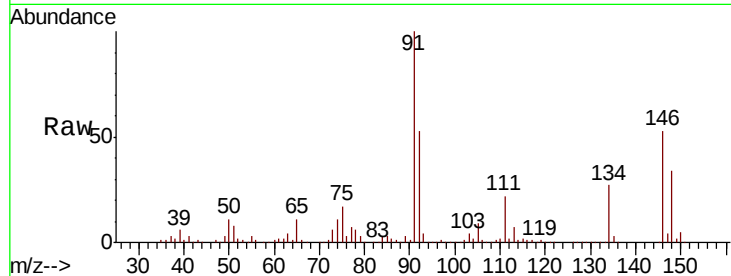
#89
n-Butylbenzene
Concen: 54.868 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	26.1	13.1	39.3

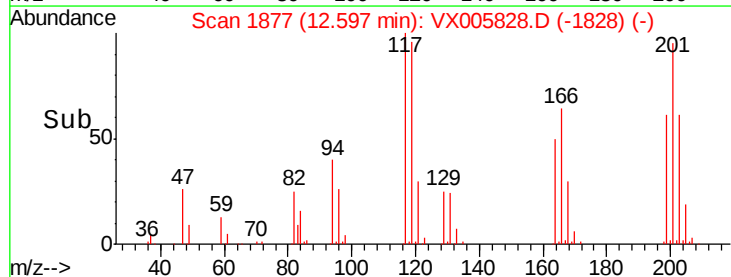
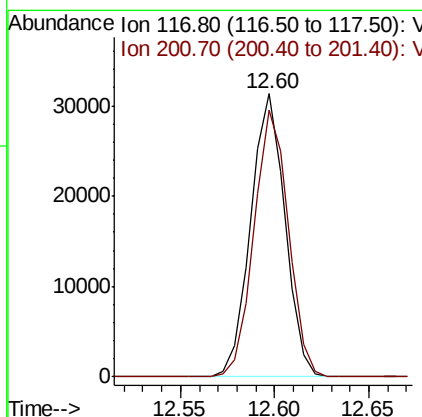
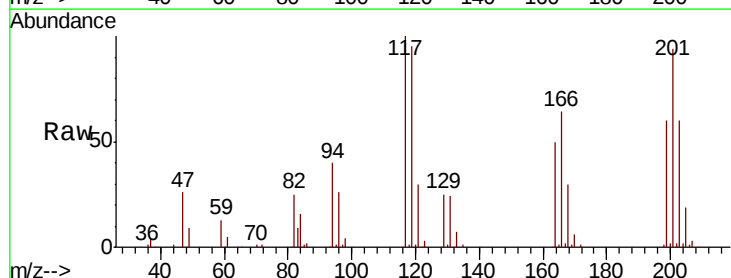
Manual Integrations
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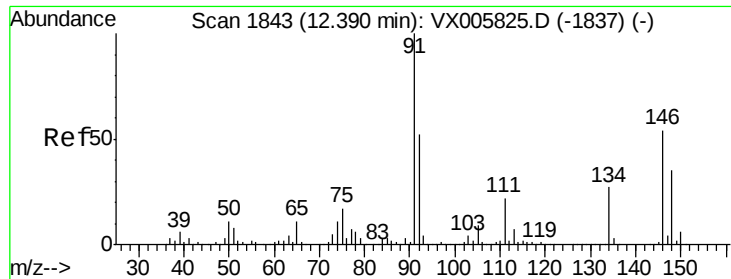
MMDadoda
11/8/2018 10:35:42 AM



#90
Hexachloroethane
Concen: 53.785 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.6	47.9	143.6





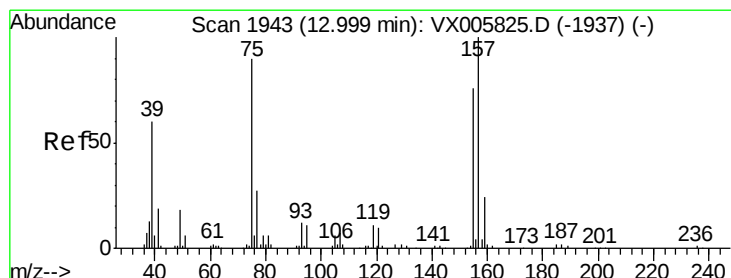
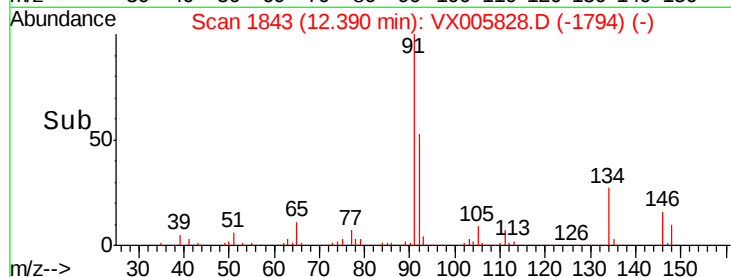
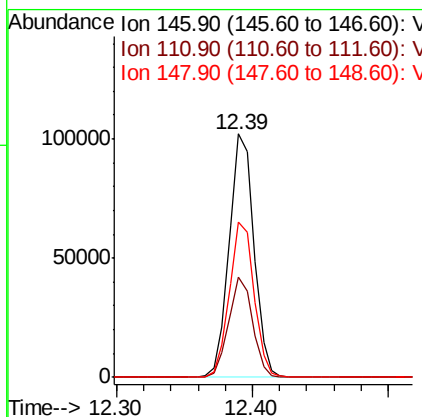
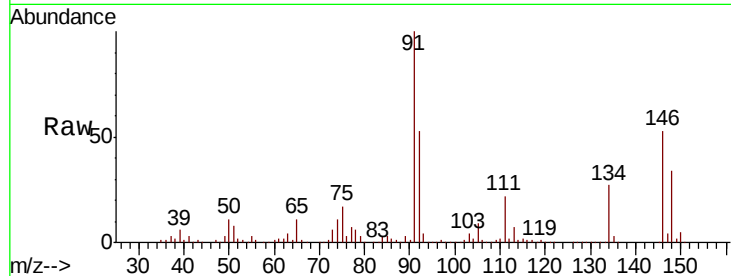
#91
 1,2-Dichlorobenzene
 Concen: 50.417 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110718

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.0	32.2	96.6

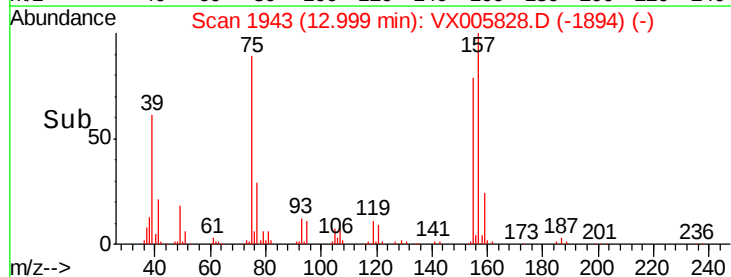
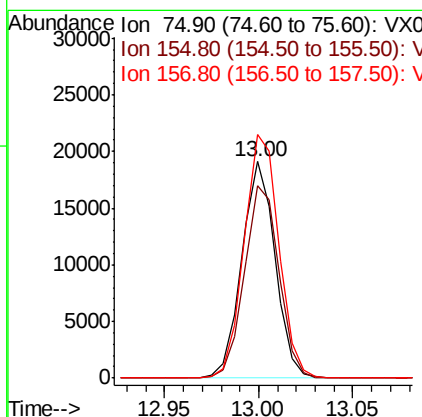
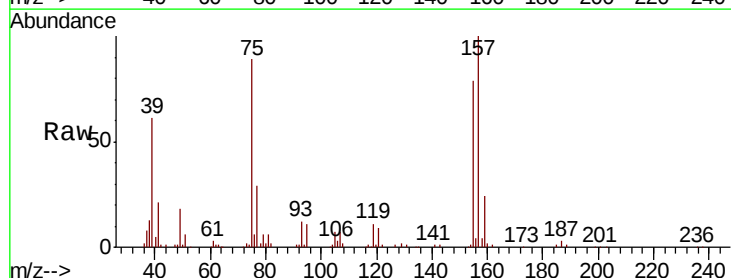
Manual Integrations
 APPROVED

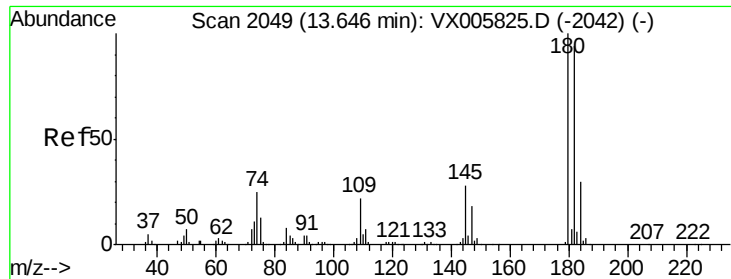
MMDadoda
 11/8/2018 10:35:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.170 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005828.D
 Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	45.4	136.1
157	117.5	57.4	172.0





#93

1,2,4-Trichlorobenzene

Concen: 55.237 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Instrument :

MSVOA_X

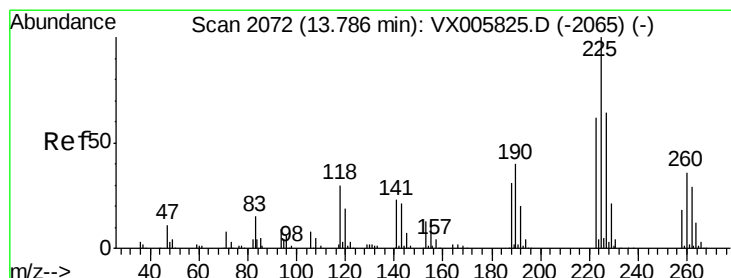
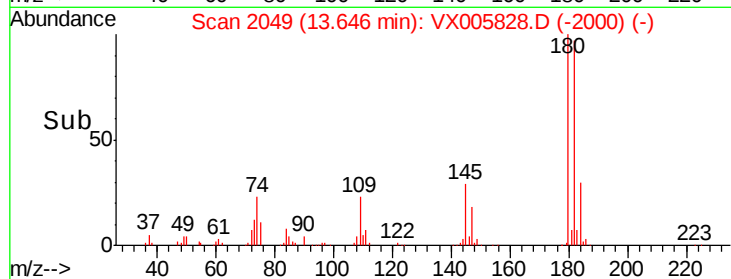
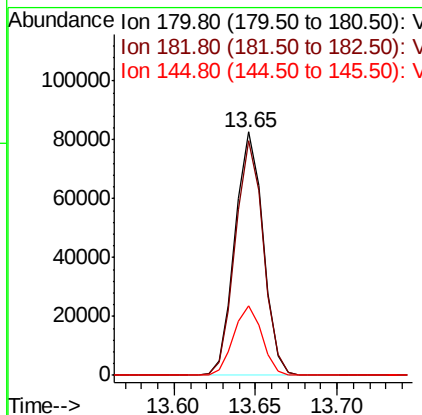
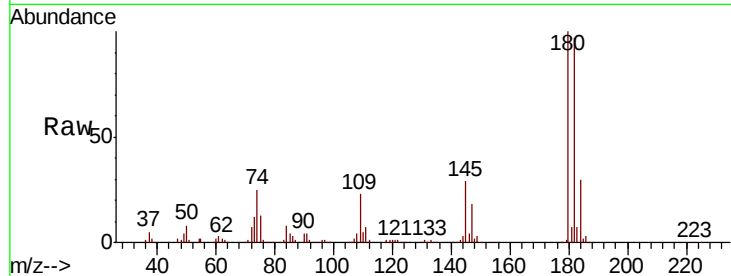
ClientSampleId :

ICVVX110718

Tot Ion:	180	Resp:	99664
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.6	142.8
145	28.6	14.1	42.2

Manual Integrations
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MMDadoda
11/8/2018 10:35:42 AM



#94

Hexachlorobutadiene

Concen: 52.849 ug/l

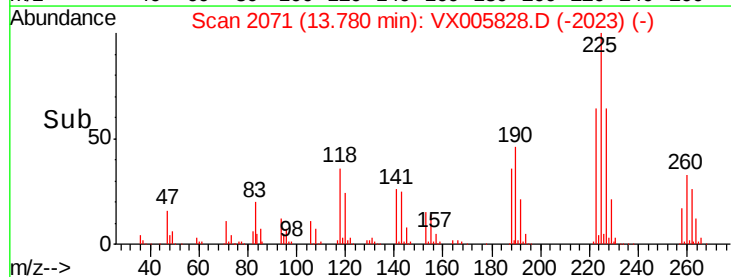
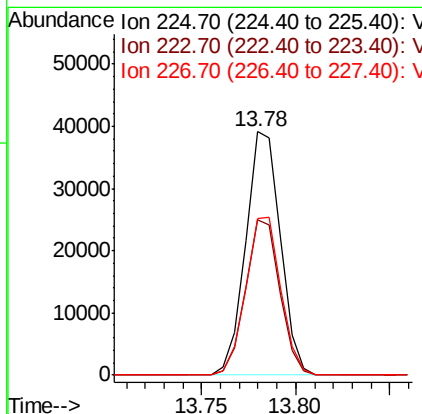
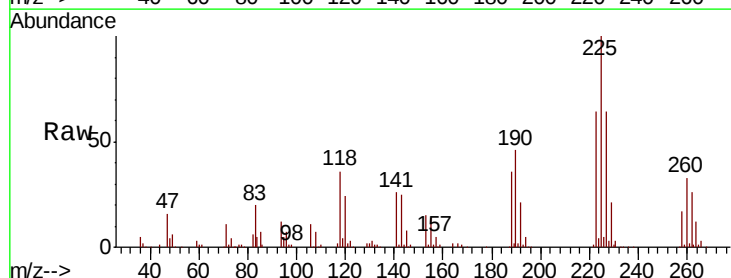
RT: 13.78 min Scan# 2071

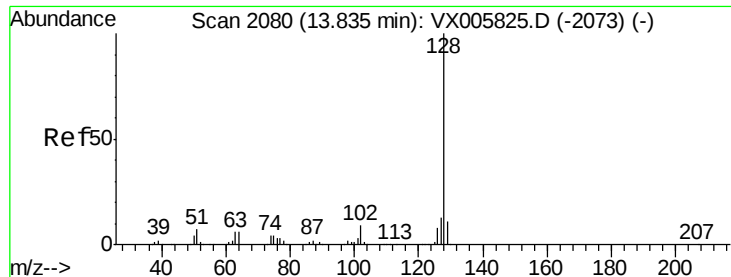
Delta R.T. -0.01 min

Lab File: VX005828.D

Acq: 07 Nov 2018 14:45

Tgt Ion:	225	Resp:	50089
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.7	95.1
227	65.2	32.3	96.9





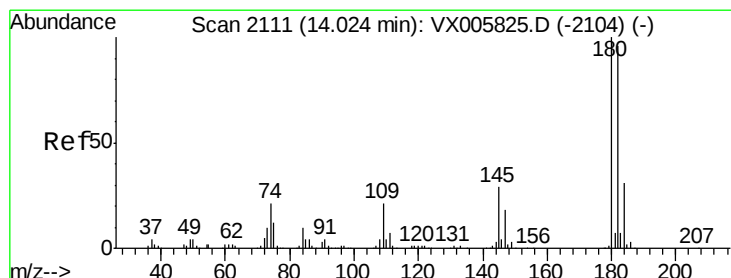
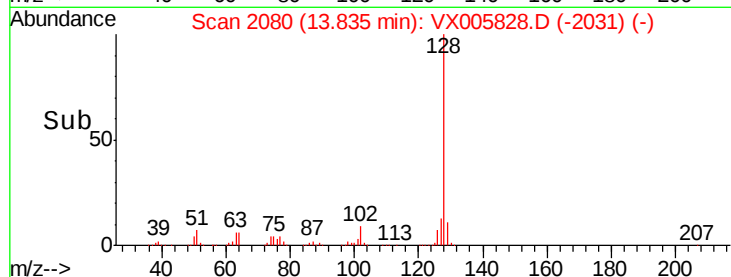
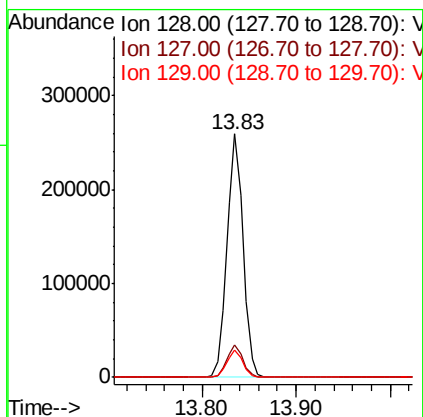
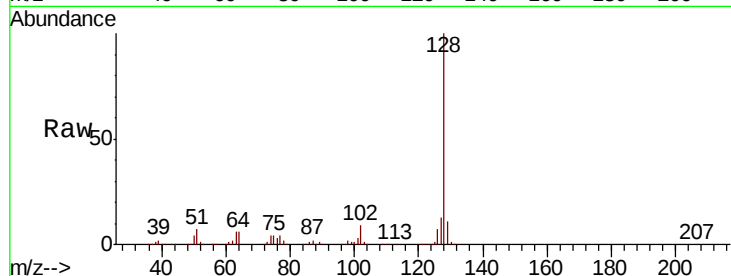
#95
Naphthalene
Concen: 51.914 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.750 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005828.D
Acq: 07 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	29.9	15.1	45.3

