

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005951.D
 Acq On : 13 Nov 2018 16:20
 Operator : JC/MD
 Sample : VX1113WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 9:51:32 AM

Quant Time: Nov 14 04:13:59 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	5.66	168	93956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	129674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	119347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	67394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	58986	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
35) Dibromofluoromethane	5.50	113	45327	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	8.71	98	160564	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
62) 4-Bromofluorobenzene	11.14	95	58610	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	17746	20.949	ug/l	95
3) Chloromethane	1.32	50	22389	20.139	ug/l	98
4) Vinyl Chloride	1.41	62	22912	20.529	ug/l	98
5) Bromomethane	1.64	94	13886	20.331	ug/l	98
6) Chloroethane	1.72	64	13916	20.897	ug/l	95
7) Trichlorofluoromethane	1.93	101	31894	21.529	ug/l	99
8) Diethyl Ether	2.19	74	12408	21.375	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	17787	20.876	ug/l	98
10) Methyl Iodide	2.51	142	21277	20.604	ug/l	98
11) Tert butyl alcohol	3.06	59	32241	104.197	ug/l	100
12) 1,1-Dichloroethene	2.38	96	17455	21.018	ug/l #	76
13) Acrolein	2.29	56	19297	139.932	ug/l	96
14) Allyl chloride	2.73	41	40706	21.947	ug/l	99
15) Acrylonitrile	3.15	53	70940	110.628	ug/l	99
16) Acetone	2.44	43	74226	127.629	ug/l	93
17) Carbon Disulfide	2.57	76	47526	19.186	ug/l	100
18) Methyl Acetate	2.78	43	37285	23.126	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	61956	21.858	ug/l	98
20) Methylene Chloride	2.86	84	20325	21.275	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	17754	20.269	ug/l	92
22) Diisopropyl ether	3.87	45	67569	20.796	ug/l #	94
23) Vinyl Acetate	3.83	43	302384	108.542	ug/l	95
24) 1,1-Dichloroethane	3.70	63	38621	22.279	ug/l	99
25) 2-Butanone	4.70	43	102061	111.623	ug/l	94
26) 2,2-Dichloropropane	4.59	77	27857	21.907	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	20749	21.453	ug/l	98
28) Bromochloromethane	5.02	49	18931	24.436	ug/l	95
29) Tetrahydrofuran	5.15	42	65722	111.949	ug/l	98
30) Chloroform	5.21	83	36755	21.977	ug/l	97
31) Cyclohexane	5.57	56	28691	19.067	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	30221	21.664	ug/l	99
36) 1,1-Dichloropropene	5.80	75	24895	19.915	ug/l	98
37) Ethyl Acetate	4.86	43	34495	20.984	ug/l	98
38) Carbon Tetrachloride	5.79	117	25988	20.766	ug/l	95

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Manual Integrations
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MMDadoda
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 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)
39) Methylcyclohexane	7.46	83	26743	21.107	ug/l	99
40) Benzene	6.15	78	81841	22.457	ug/l	97
41) Methacrylonitrile	5.05	41	19200	21.615	ug/l	99
42) 1,2-Dichloroethane	6.20	62	29551	22.639	ug/l	99
43) Isopropyl Acetate	6.46	43	46166	19.381	ug/l	97
44) Trichloroethene	7.21	130	19283	20.836	ug/l	82
45) 1,2-Dichloropropane	7.52	63	19334	21.858	ug/l	96
46) Dibromomethane	7.66	93	12364	22.275	ug/l	97
47) Bromodichloromethane	7.90	83	23877	22.762	ug/l	95
48) Methyl methacrylate	7.77	41	23715	22.172	ug/l	100
49) 1,4-Dioxane	7.75	88	9994	433.622	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	166165	110.685	ug/l	99
52) Toluene	8.79	92	43229	21.224	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	25272	20.415	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	28254	22.393	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	18217	20.069	ug/l	98
56) Ethyl methacrylate	9.18	69	26053	19.182	ug/l	97
57) 1,3-Dichloropropane	9.37	76	30543	20.022	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	78337	110.622	ug/l	100
59) 2-Hexanone	9.49	43	132567	100.181	ug/l	98
60) Dibromochloromethane	9.59	129	18898	19.264	ug/l	99
61) 1,2-Dibromoethane	9.67	107	18828	18.758	ug/l	100
64) Tetrachloroethene	9.34	164	20169	19.849	ug/l	96
65) Chlorobenzene	10.14	112	49153	20.558	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	18152	21.838	ug/l	99
67) Ethyl Benzene	10.25	91	81497	21.257	ug/l	99
68) m/p-Xylenes	10.36	106	63986	43.755	ug/l	99
69) o-Xylene	10.70	106	30056	22.920	ug/l	99
70) Styrene	10.71	104	49892	23.064	ug/l	98
71) Bromoform	10.86	173	15471	22.203	ug/l #	98
73) Isopropylbenzene	11.02	105	83521	21.430	ug/l	100
74) N-amyl acetate	10.90	43	39884	19.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	29715	20.773	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	29111m	21.213	ug/l	
77) Bromobenzene	11.26	156	22570	20.546	ug/l	100
78) n-propylbenzene	11.36	91	97595	21.248	ug/l	98
79) 2-Chlorotoluene	11.42	91	58918	21.222	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	71733	21.659	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8726	20.266	ug/l	93
82) 4-Chlorotoluene	11.51	91	69342	21.193	ug/l	100
83) tert-Butylbenzene	11.77	119	69362	20.702	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	73523	20.044	ug/l	100
85) sec-Butylbenzene	11.94	105	85012	20.748	ug/l	100
86) p-Isopropyltoluene	12.07	119	75712	20.862	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	41363	19.620	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	42864	19.862	ug/l	99
89) n-Butylbenzene	12.39	91	66131	19.661	ug/l	98
90) Hexachloroethane	12.60	117	12029	19.852	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	41986	19.880	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7404	21.210	ug/l	98

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ClientSampleId :
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Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	29778	20.029	ug/l	98
94) Hexachlorobutadiene	13.79	225	15383	19.697	ug/l	99
95) Naphthalene	13.83	128	91181	19.540	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	31387	20.722	ug/l	97

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

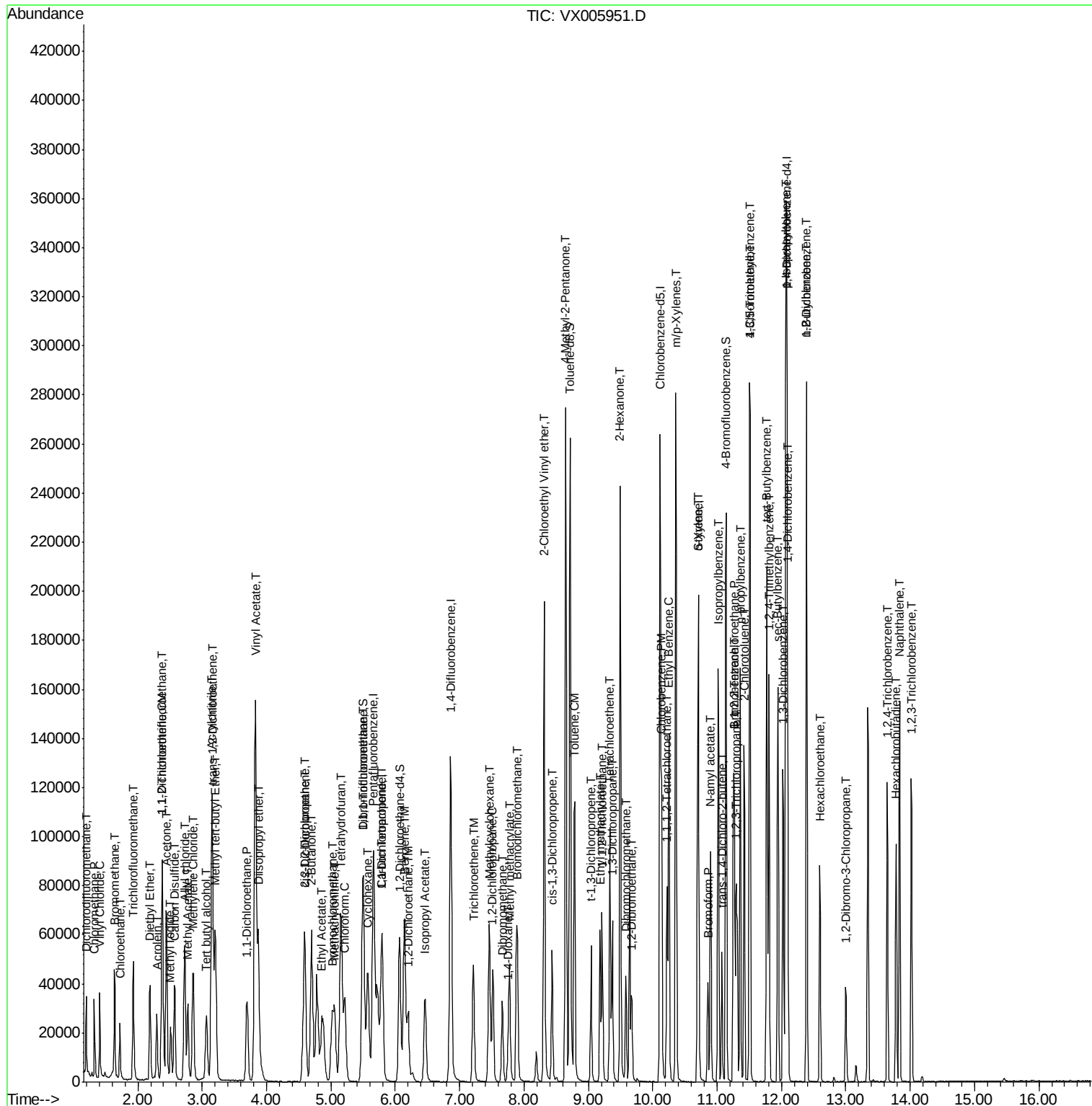
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Data File : VX005951.D
Acq On : 13 Nov 2018 16:20
Operator : JC/MD
Sample : VX1113WBSD01
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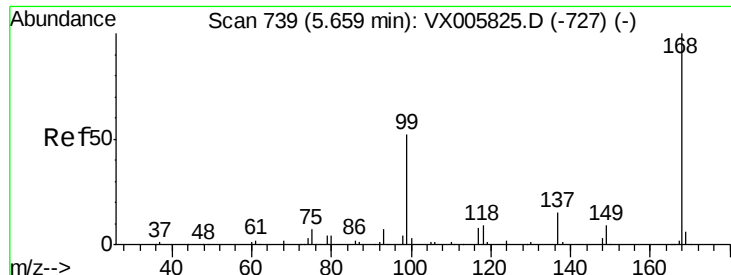
Instrument :
MSVOA_X
Client Sample ID :
VX1113WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion:168 Resp: 93956

Ion Ratio Lower Upper

168 100

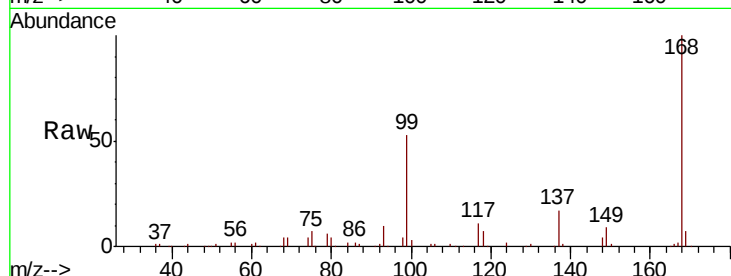
99 53.1 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

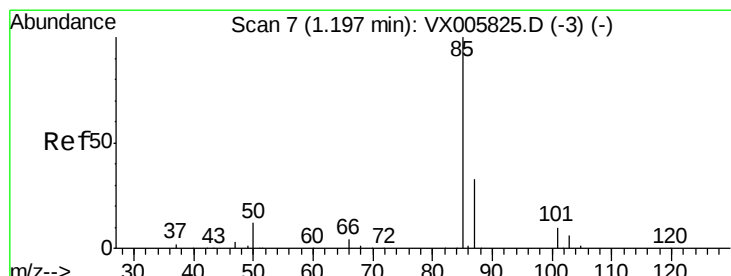
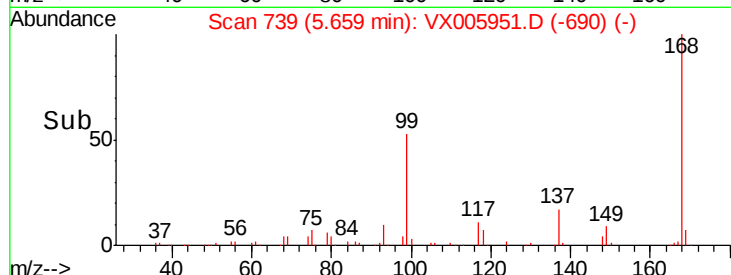
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.949 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005951.D

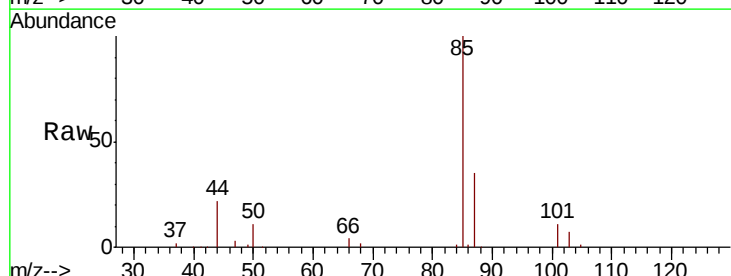
Acq: 13 Nov 2018 16:20

Tgt Ion: 85 Resp: 17746

Ion Ratio Lower Upper

85 100

87 35.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

20000

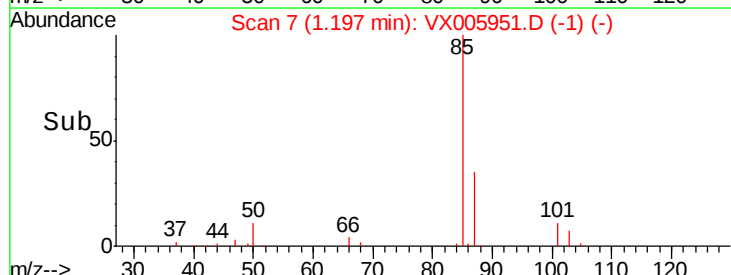
15000

10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 20.139 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 50 Resp: 22389

Ion Ratio Lower Upper

50 100

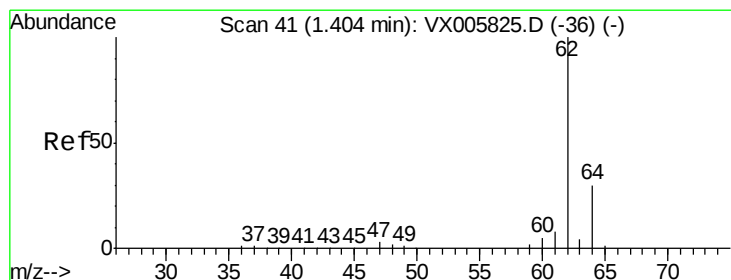
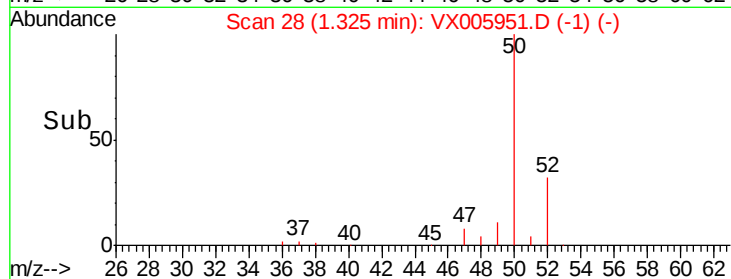
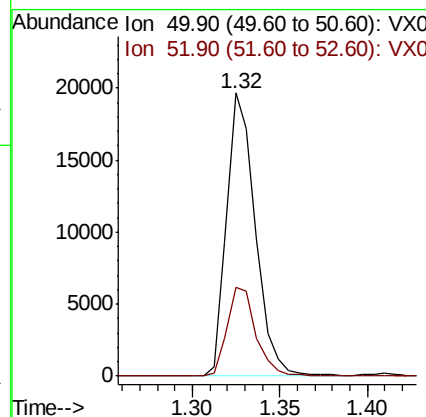
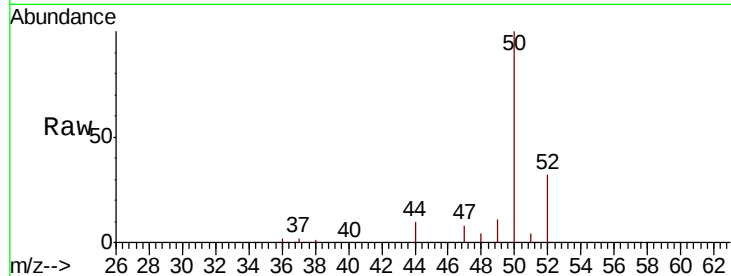
52 31.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.529 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005951.D

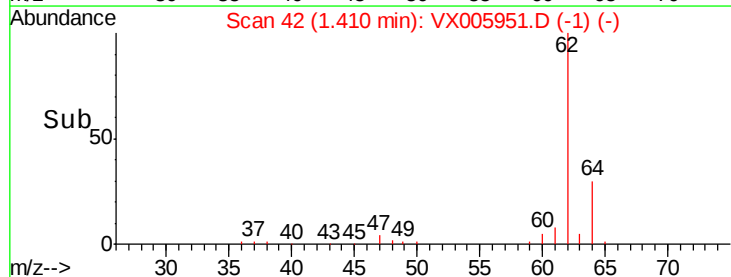
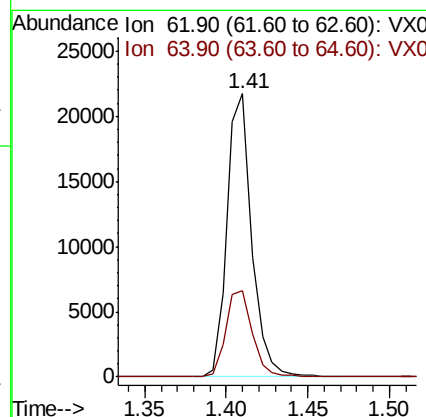
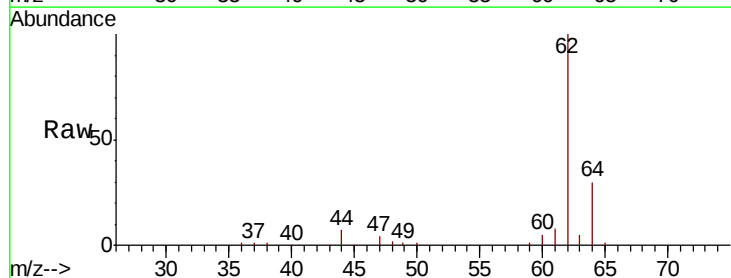
Acq: 13 Nov 2018 16:20

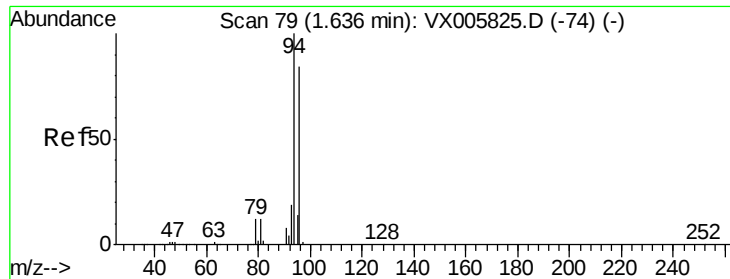
Tgt Ion: 62 Resp: 22912

Ion Ratio Lower Upper

62 100

64 30.4 25.3 37.9





#5

Bromomethane

Concen: 20.331 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 94 Resp: 13886

Ion Ratio Lower Upper

94 100

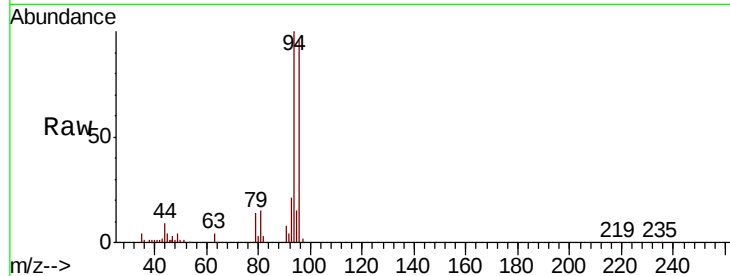
96 96.3 75.2 112.8

Manual Integrations

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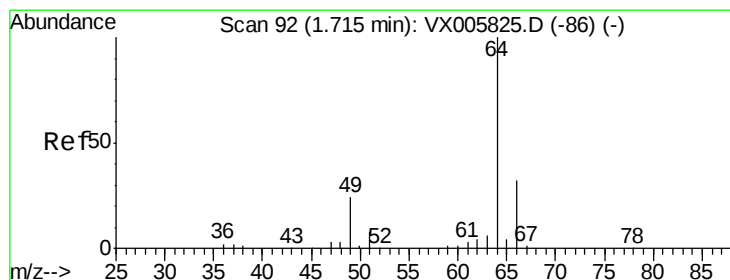
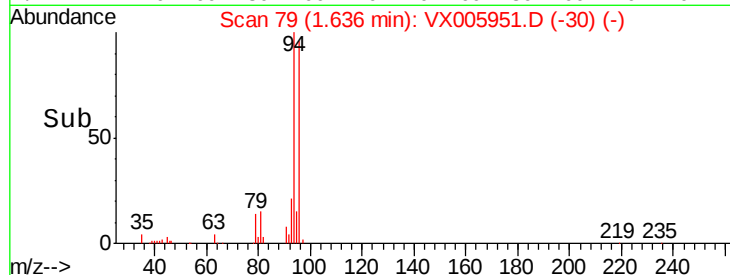
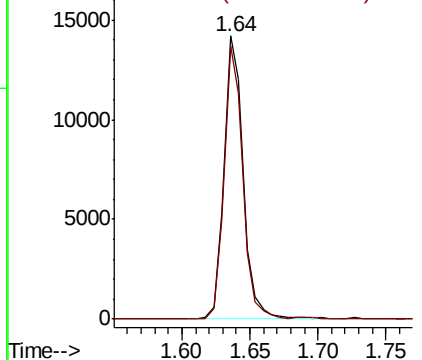
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11/14/2018 9:51:32 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.897 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005951.D

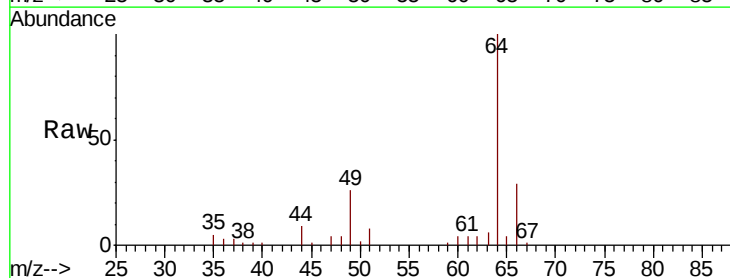
Acq: 13 Nov 2018 16:20

Tgt Ion: 64 Resp: 13916

Ion Ratio Lower Upper

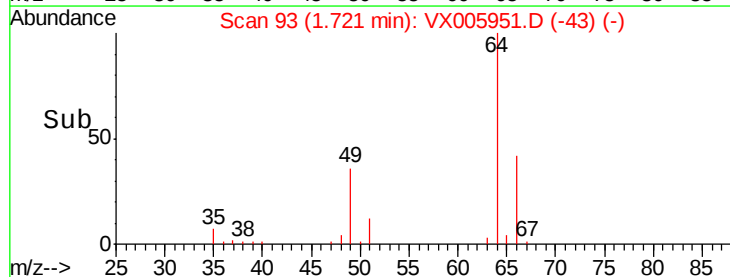
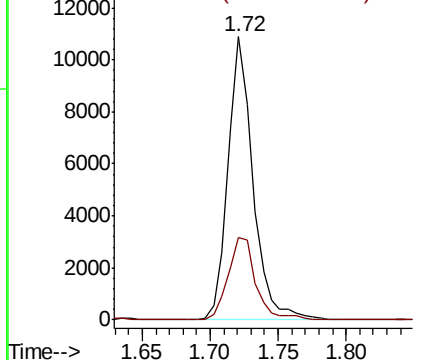
64 100

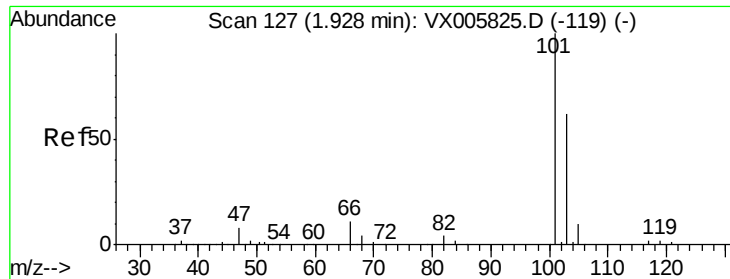
66 29.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

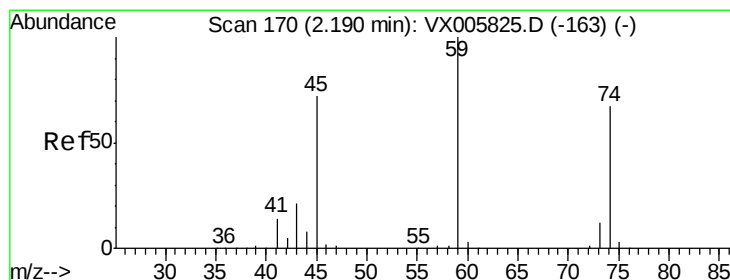
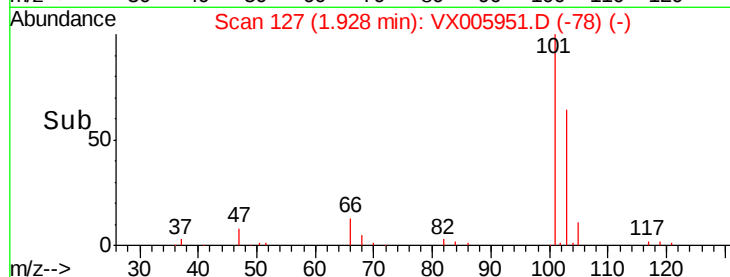
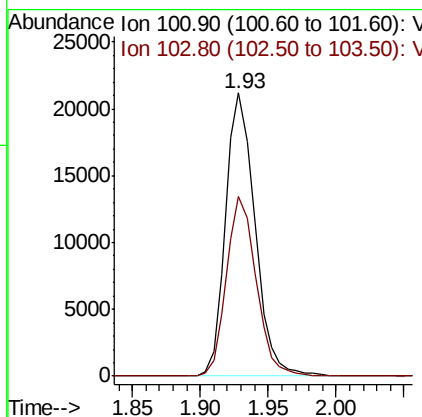
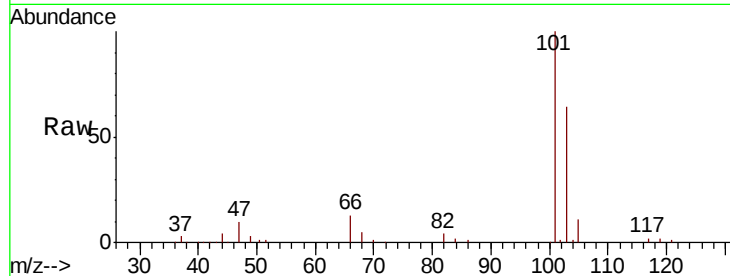
Trichlorofluoromethane
Concen: 21.529 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion:101 Resp: 31894
Ion Ratio Lower Upper
101 100
103 63.6 50.0 75.0

Manual Integrations
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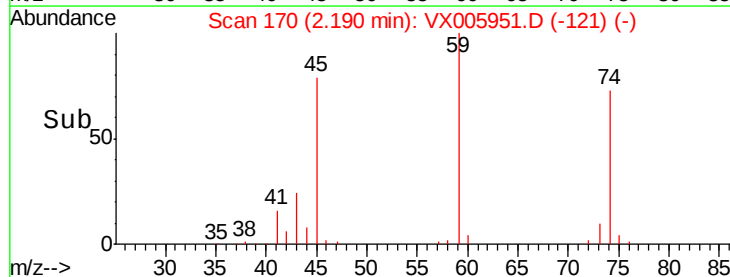
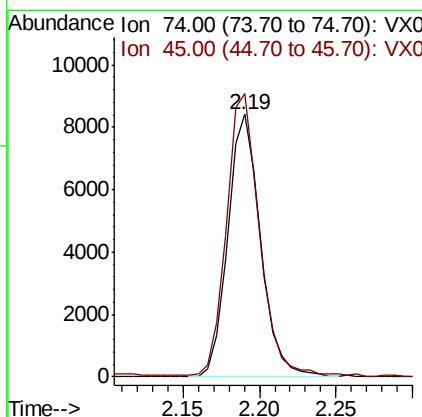
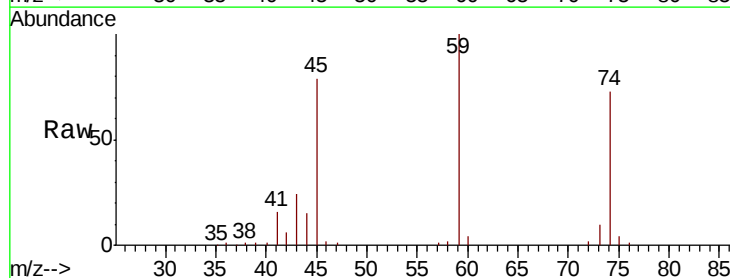
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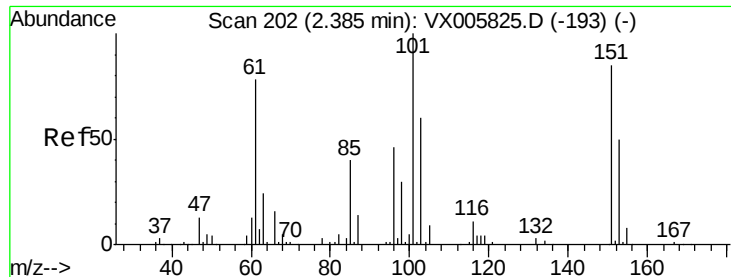


#8

Diethyl Ether
Concen: 21.375 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion: 74 Resp: 12408
Ion Ratio Lower Upper
74 100
45 110.4 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.876 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

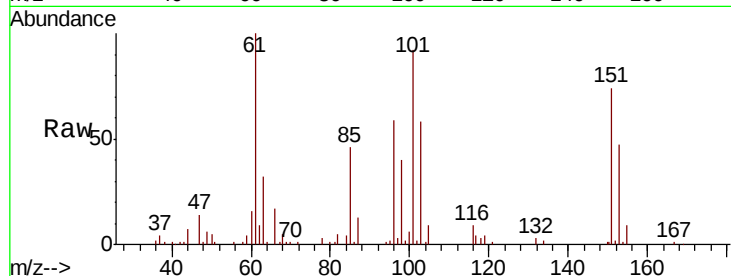
ClientSampleId :

VX1113WBSD01

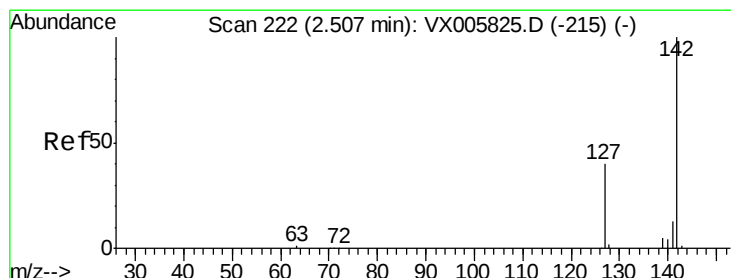
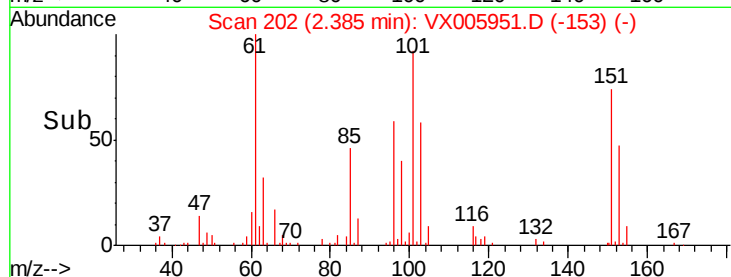
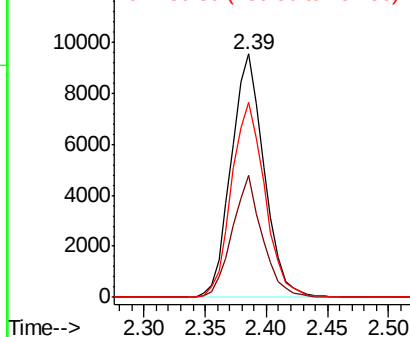
Tot Ion:	101	Resp:	17787
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.0	52.4
151	81.3	66.2	99.2

Manual Integrations
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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: 20.604 ug/l

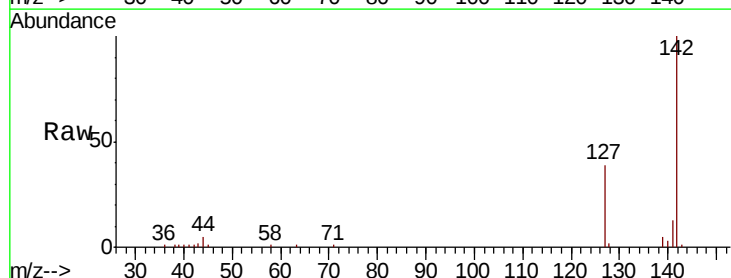
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

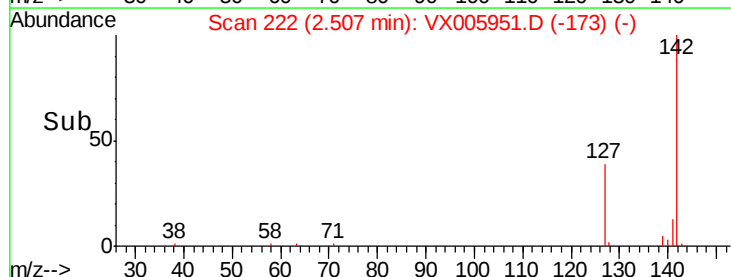
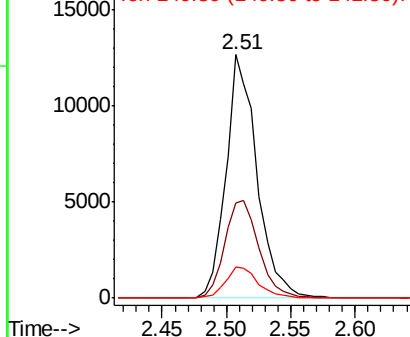
Lab File: VX005951.D

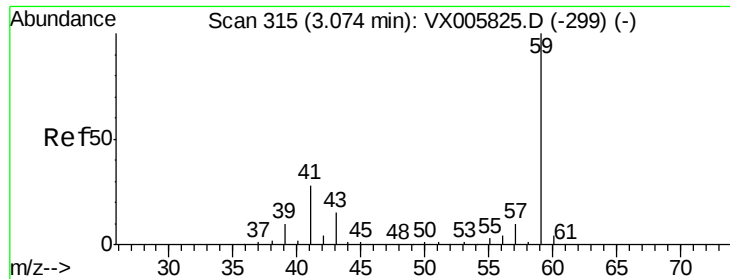
Acq: 13 Nov 2018 16:20

Tgt Ion:	142	Resp:	21277
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.0	54.0
141	13.7	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





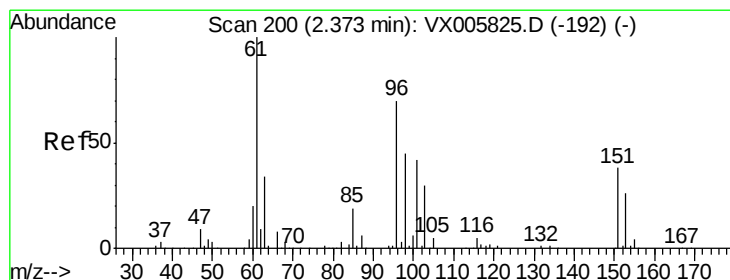
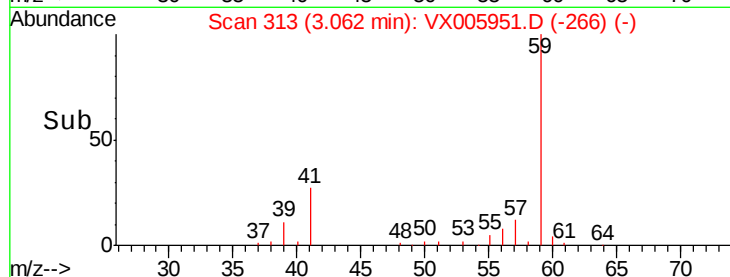
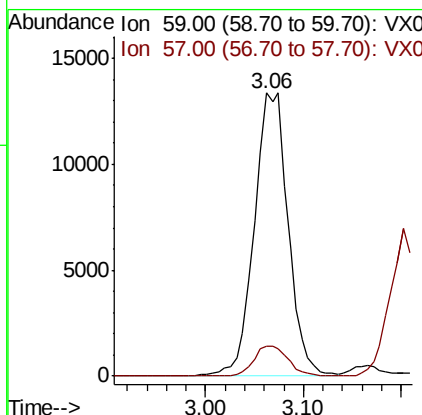
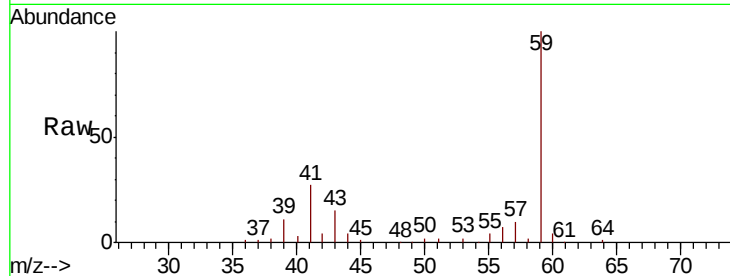
#11
Tert butyl alcohol
Concen: 104.197 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion: 59 Resp: 32241
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

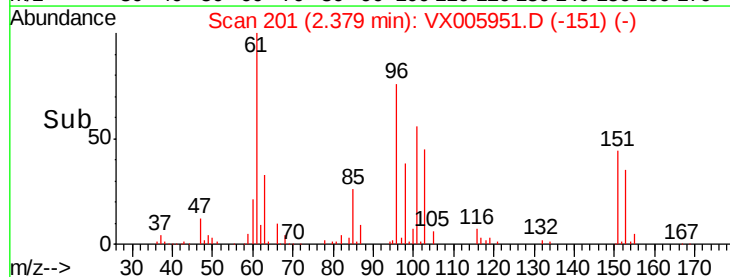
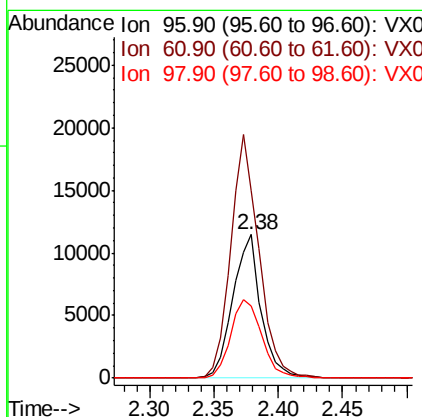
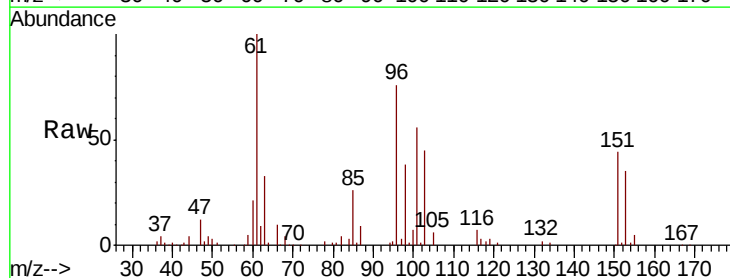
Manual Integrations
APPROVED

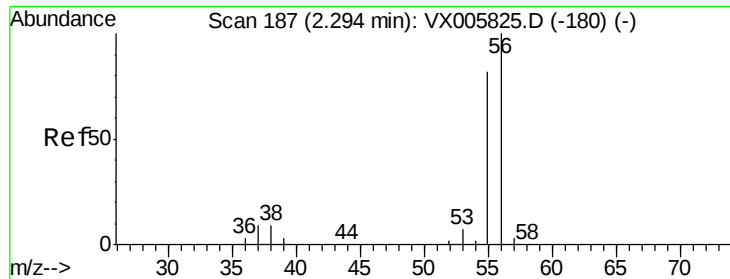
MMDadoda
11/14/2018 9:51:32 AM



#12
1,1-Dichloroethene
Concen: 21.018 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion: 96 Resp: 17455
Ion Ratio Lower Upper
96 100
61 131.1 131.8 197.8#
98 50.1 53.4 80.2#





#13

Acrolein

Concen: 139.932 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 56 Resp: 19297

Ion Ratio Lower Upper

56 100

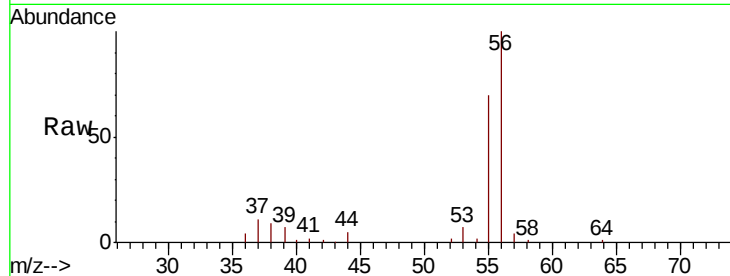
55 75.1 57.3 85.9

Manual Integrations

APPROVED

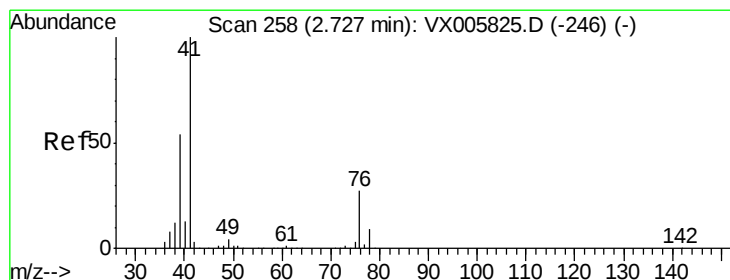
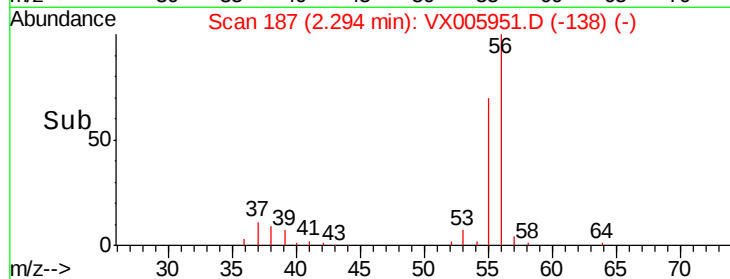
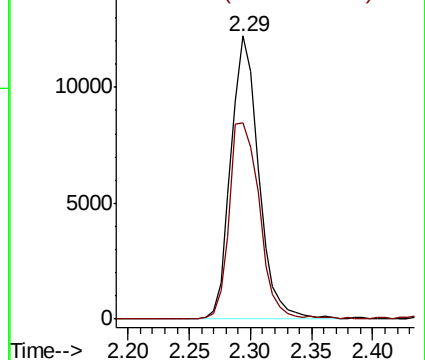
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.947 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

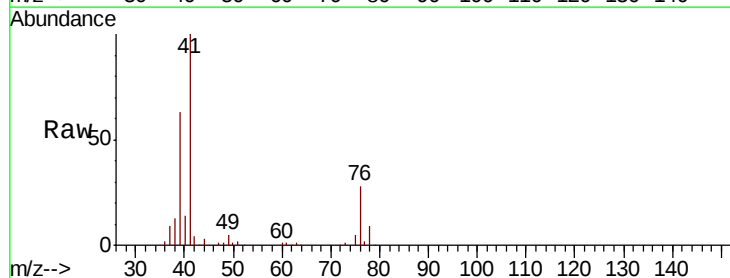
Tgt Ion: 41 Resp: 40706

Ion Ratio Lower Upper

41 100

39 59.9 48.2 72.4

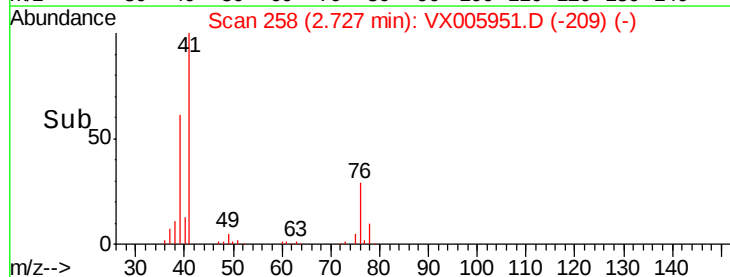
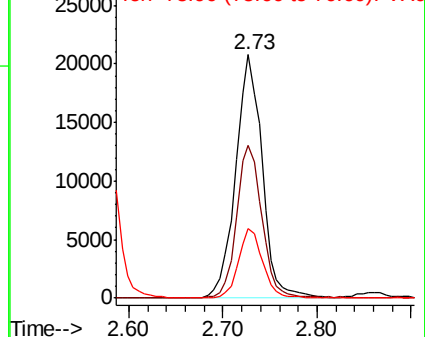
76 26.0 21.9 32.9

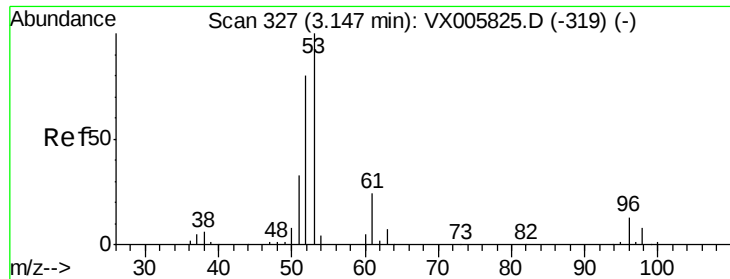


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 110.628 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

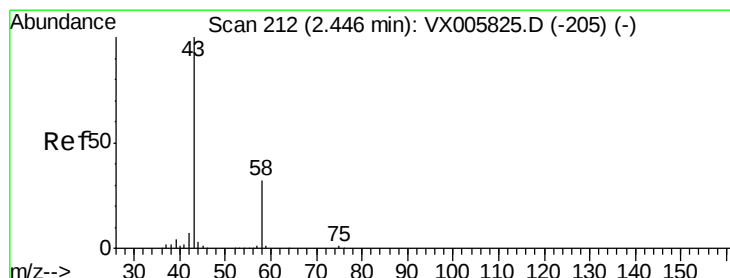
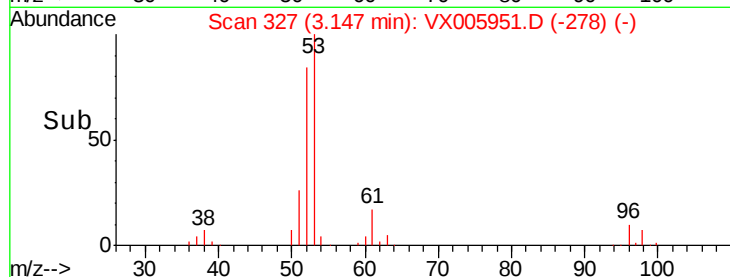
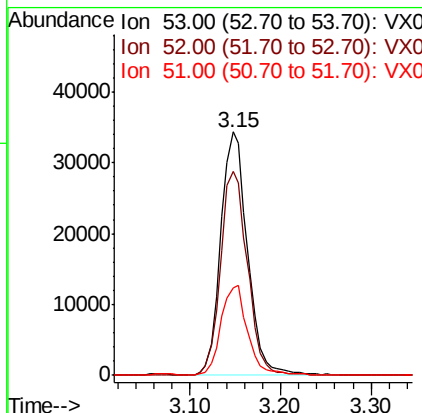
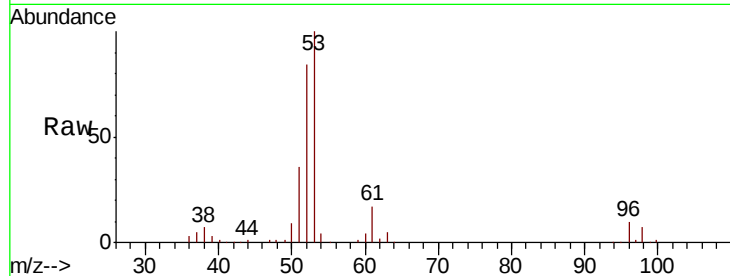
ClientSampleId :

VX1113WBSD01

Tot Ion:	53	Resp:	70940
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.6	99.8
51	37.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 127.629 ug/l

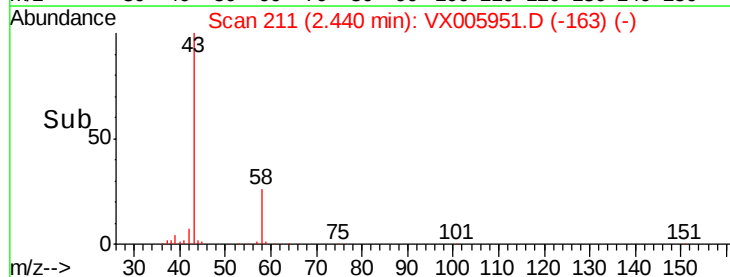
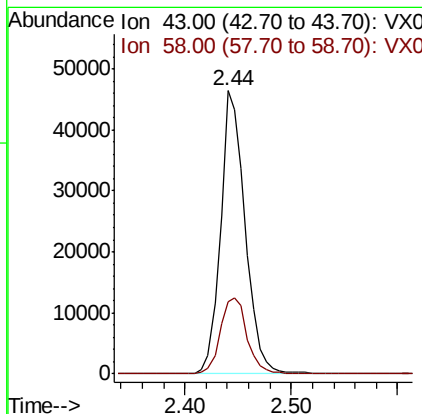
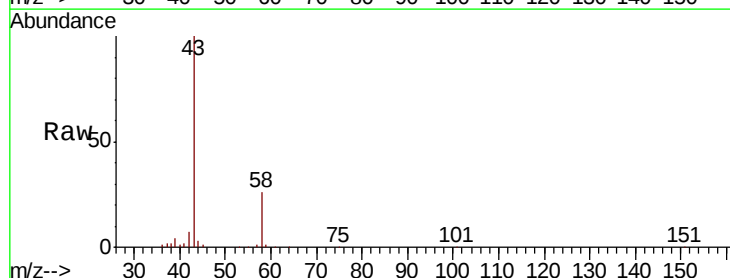
RT: 2.44 min Scan# 211

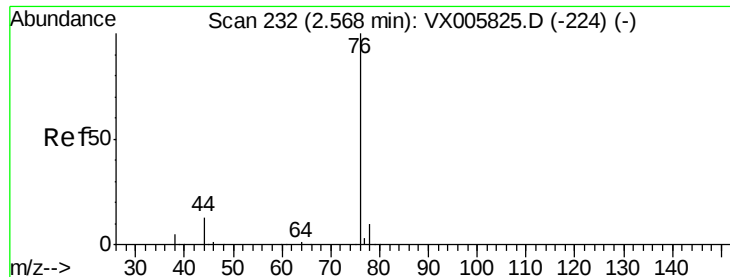
Delta R.T. -0.01 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Tgt Ion:	43	Resp:	74226
Ion	Ratio	Lower	Upper
43	100		
58	25.7	23.8	35.6





#17

Carbon Disulfide

Concen: 19.186 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 76 Resp: 47526

Ion Ratio Lower Upper

76 100

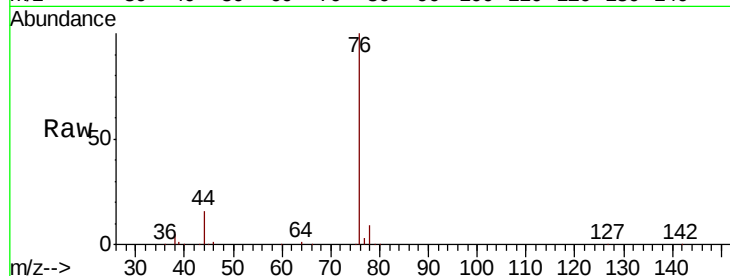
78 9.2 7.3 10.9

Manual Integrations

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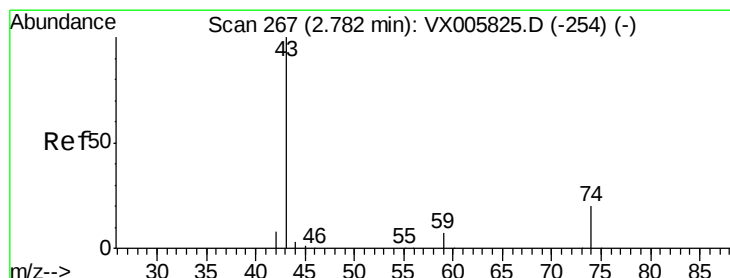
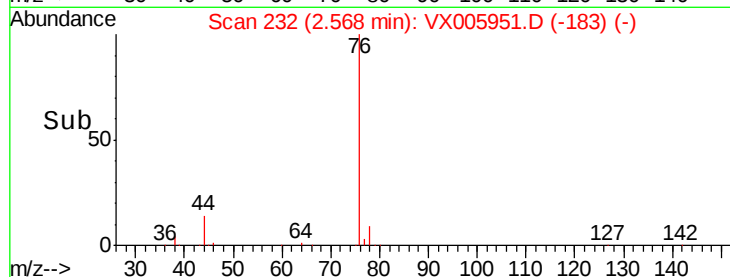
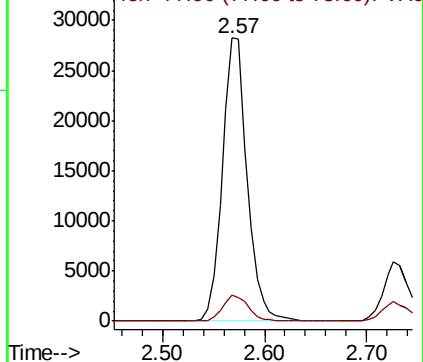
MMDadoda

11/14/2018 9:51:32 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.126 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005951.D

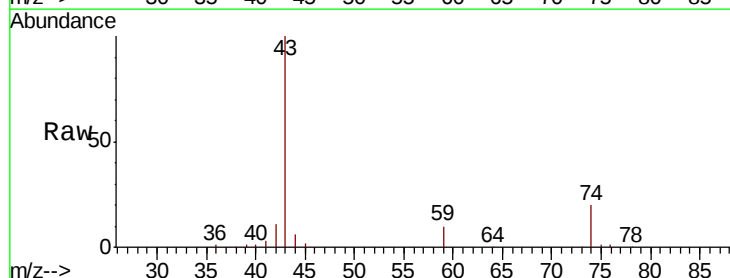
Acq: 13 Nov 2018 16:20

Tgt Ion: 43 Resp: 37285

Ion Ratio Lower Upper

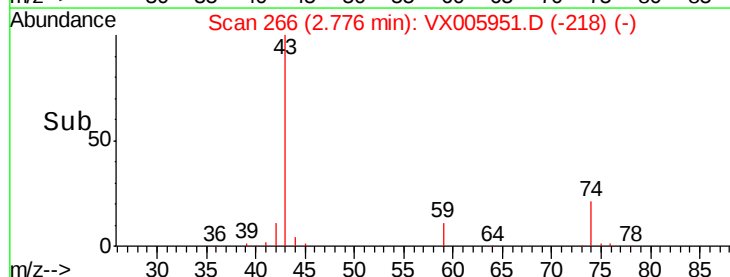
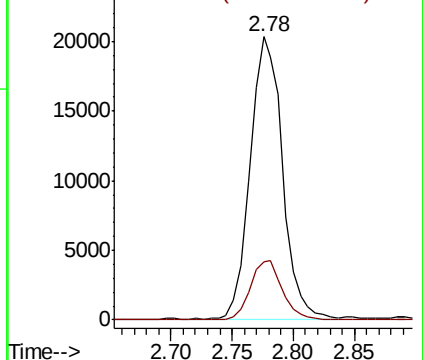
43 100

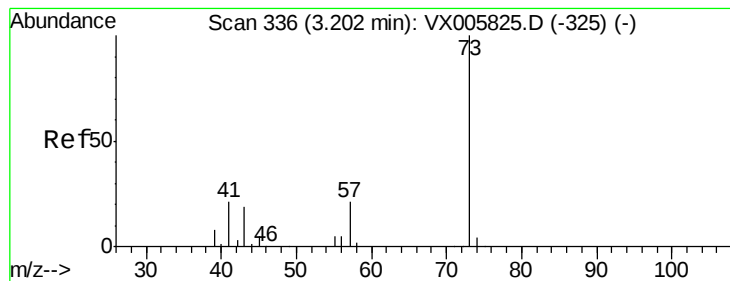
74 21.0 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

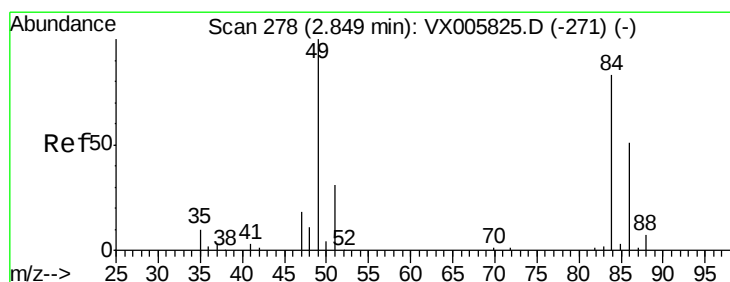
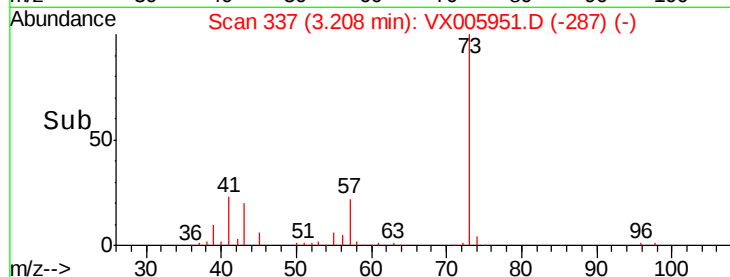
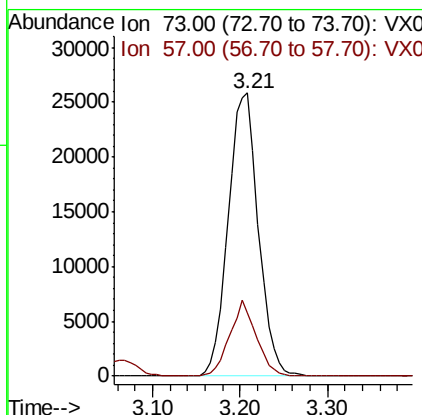
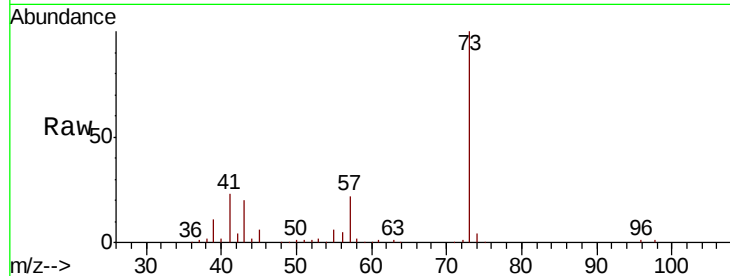
Methyl tert-butyl Ether
 Concen: 21.858 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.8	28.2

Manual Integrations
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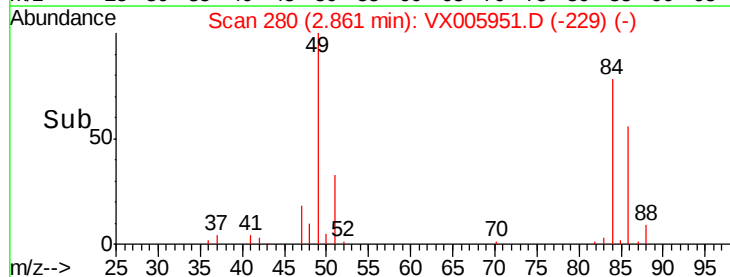
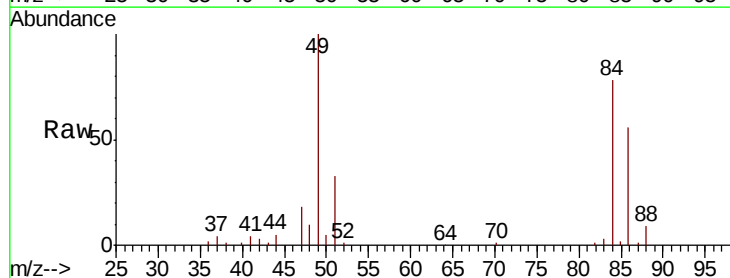
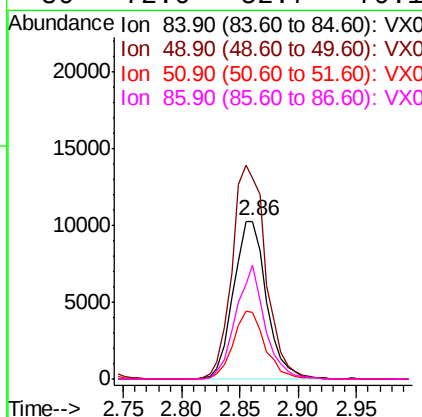
MMDadoda
 11/14/2018 9:51:32 AM

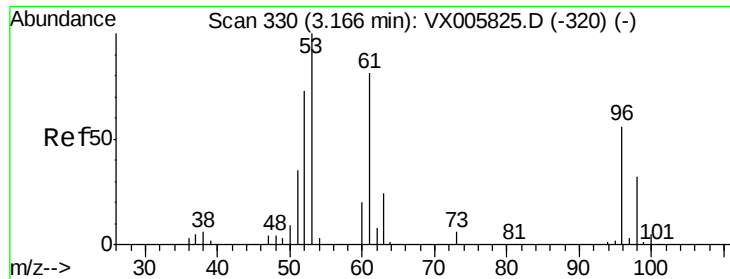


#20

Methylene Chloride
 Concen: 21.275 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.4	109.5	164.3
51	42.2	33.3	49.9
86	72.0	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 20.269 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 96 Resp: 17754

Ion Ratio Lower Upper

96 100

61 154.9 115.6 173.4

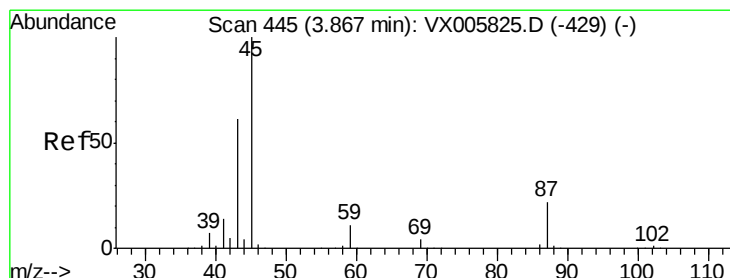
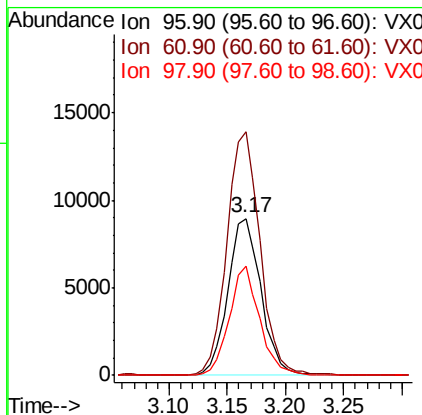
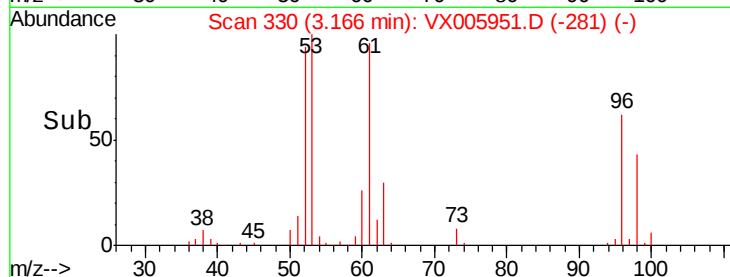
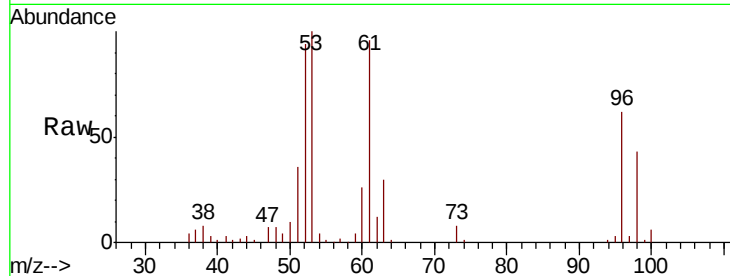
98 69.5 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.796 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Tgt Ion: 45 Resp: 67569

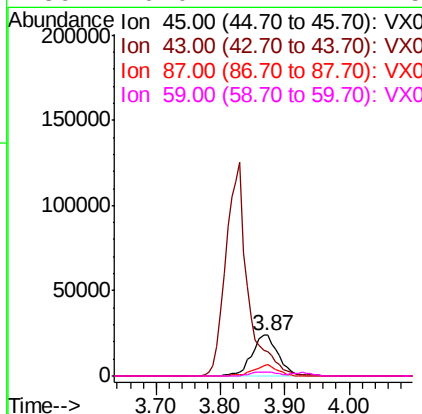
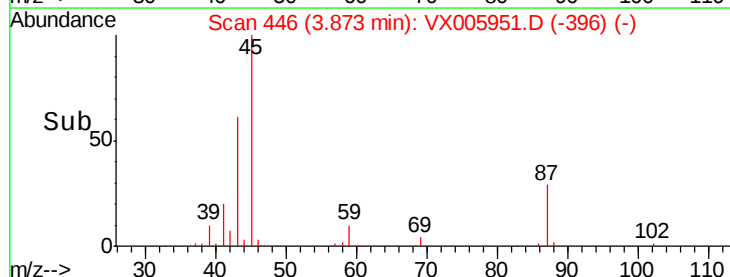
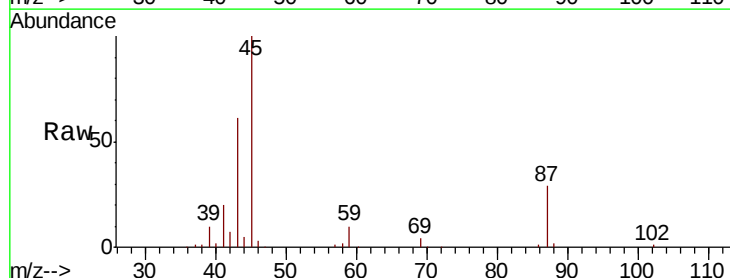
Ion Ratio Lower Upper

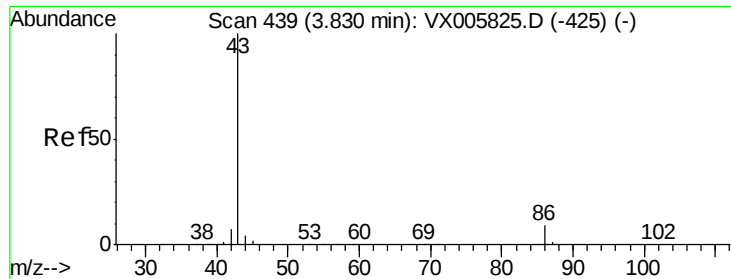
45 100

43 61.0 47.4 71.2

87 29.1 15.9 23.9#

59 10.0 7.7 11.5





#23

Vinyl Acetate

Concen: 108.542 ug/l

RT: 3.83 min Scan# 439

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 43 Resp: 302384

Ion Ratio Lower Upper

43 100

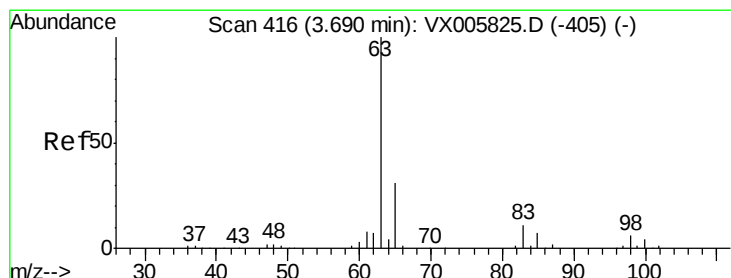
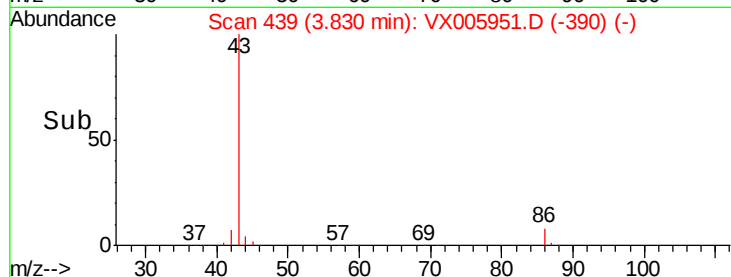
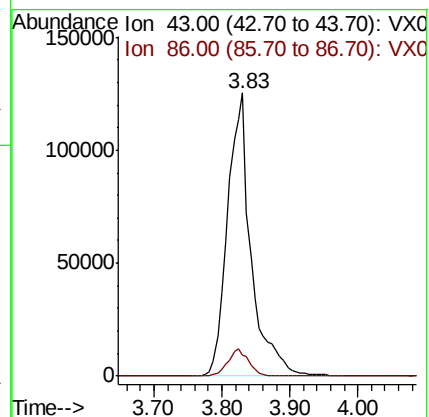
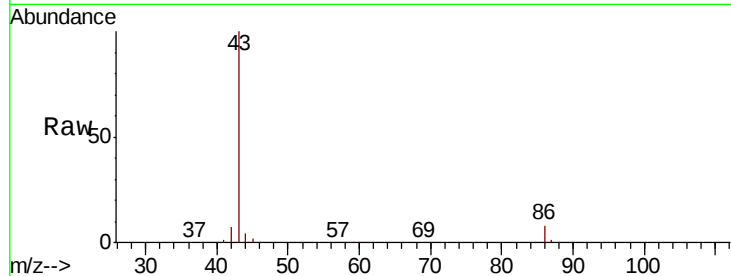
86 7.5 7.4 11.2

Manual Integrations

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11/14/2018 9:51:32 AM



#24

1,1-Dichloroethane

Concen: 22.279 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

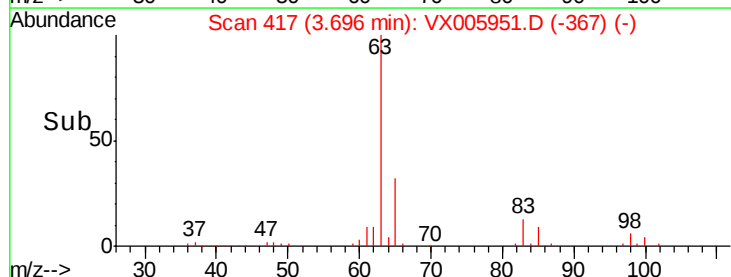
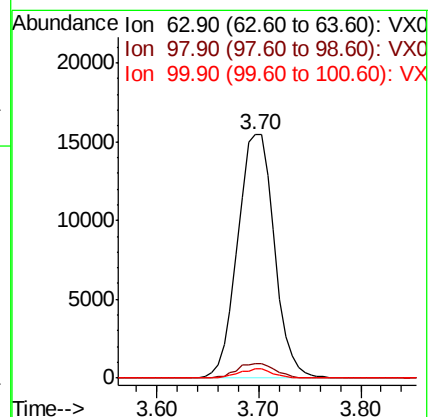
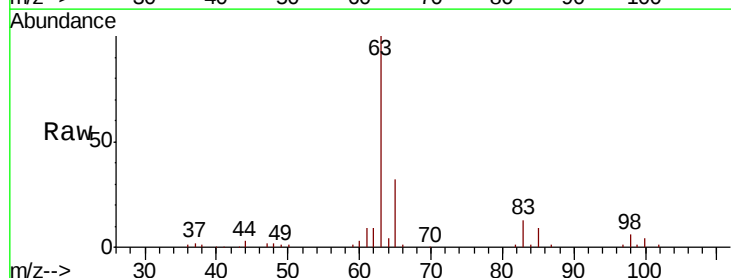
Tgt Ion: 63 Resp: 38621

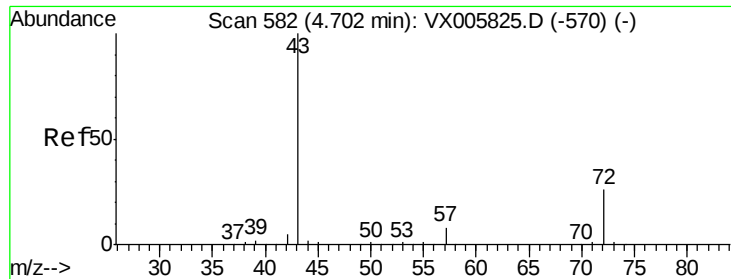
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 111.623 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 43 Resp: 102061

Ion Ratio Lower Upper

43 100

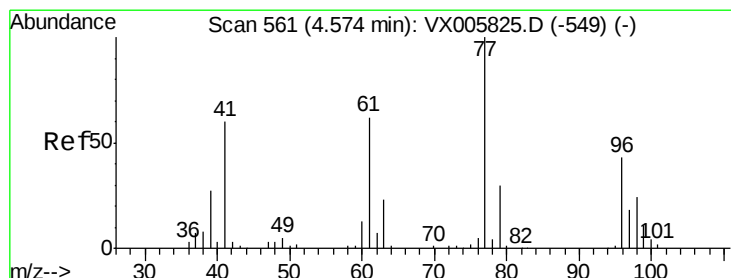
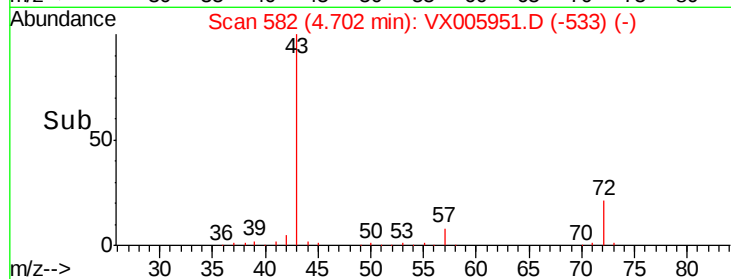
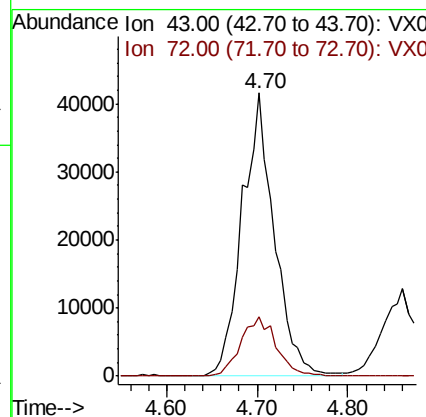
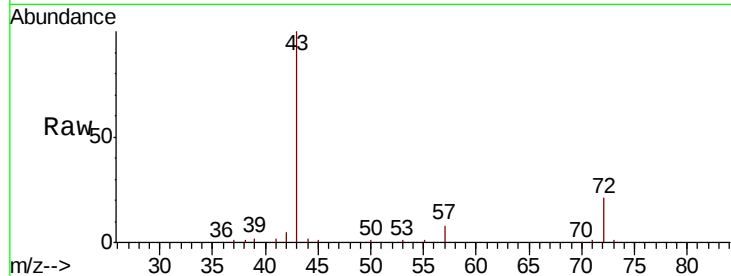
72 20.8 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 21.907 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005951.D

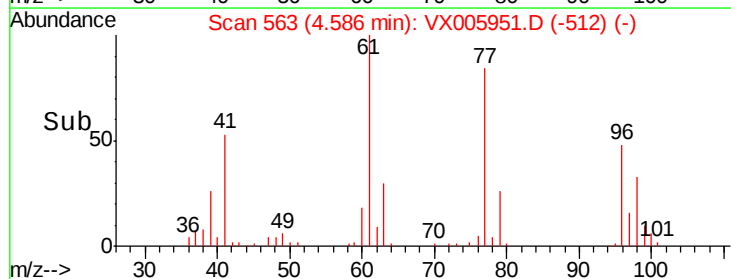
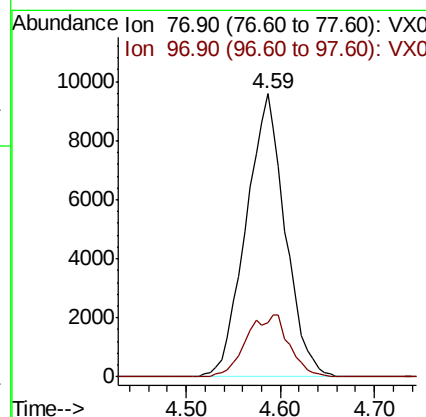
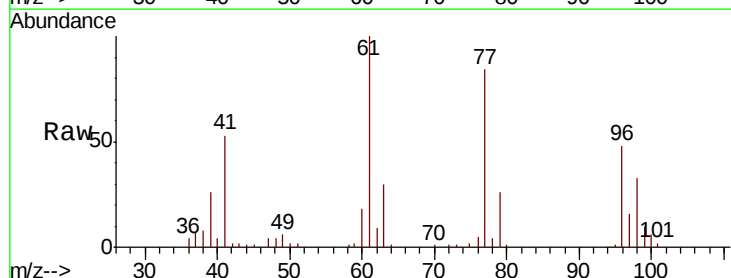
Acq: 13 Nov 2018 16:20

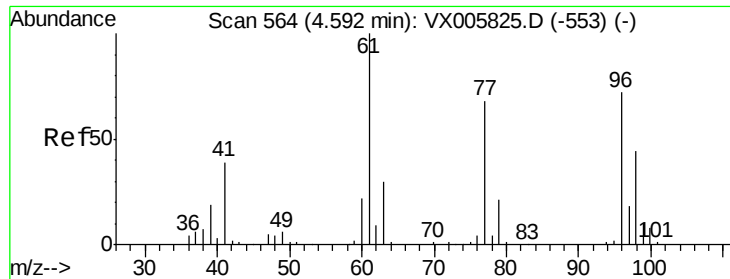
Tgt Ion: 77 Resp: 27857

Ion Ratio Lower Upper

77 100

97 23.9 11.5 34.5





#27

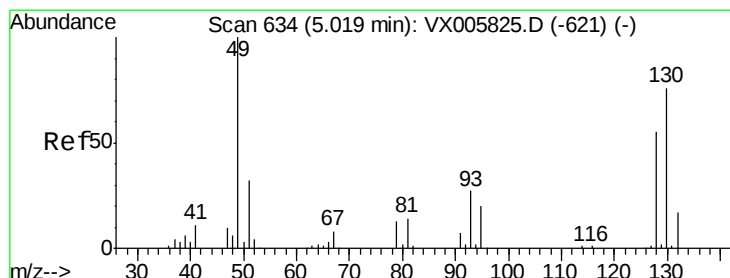
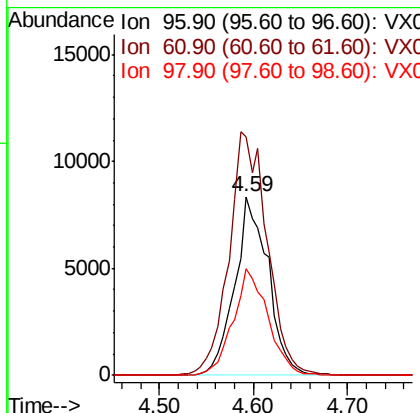
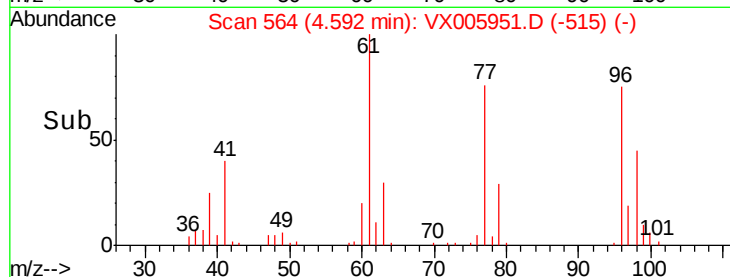
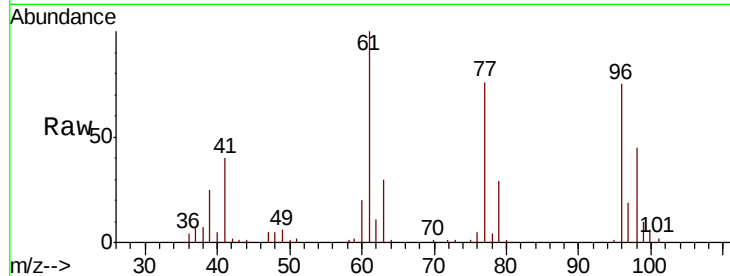
cis-1,2-Dichloroethene
 Concen: 21.453 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	304.6
98	61.5	0.0	127.4

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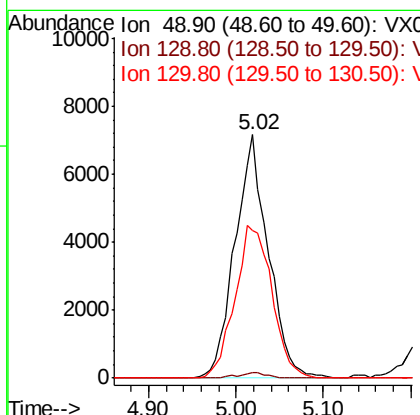
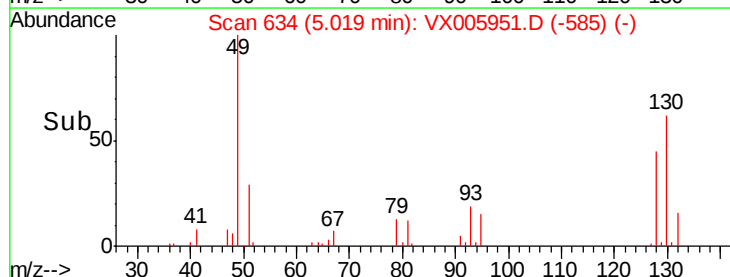
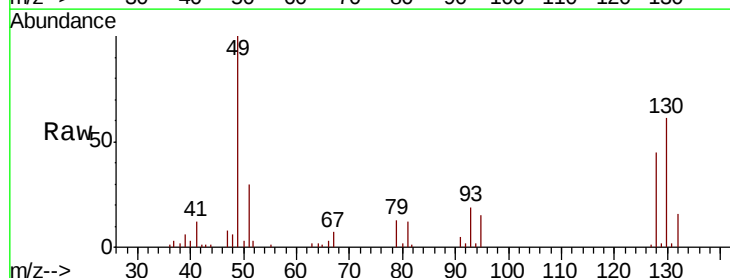
MMDadoda
 11/14/2018 9:51:32 AM

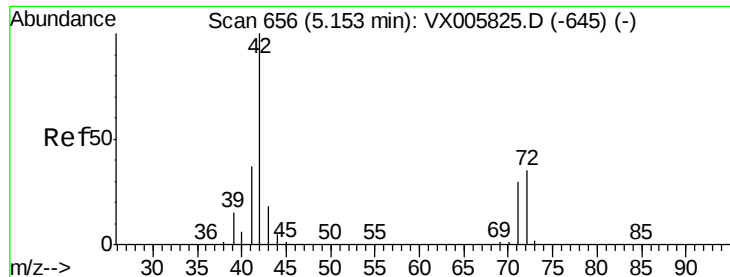


#28

Bromochloromethane
 Concen: 24.436 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	69.3	58.9	88.3





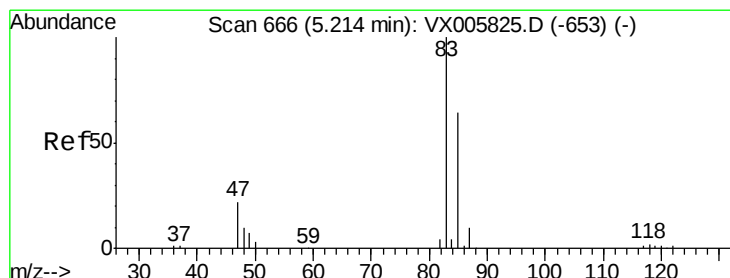
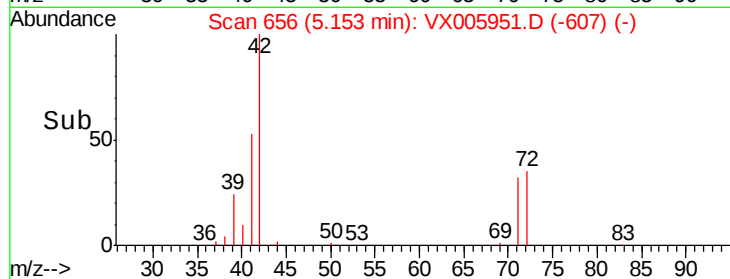
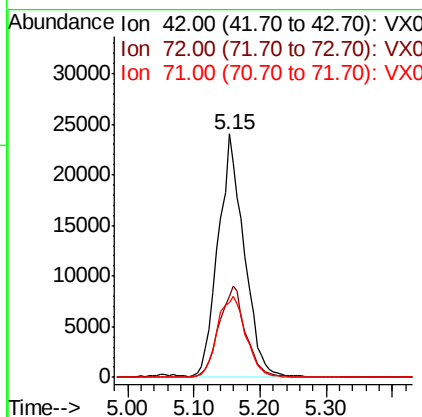
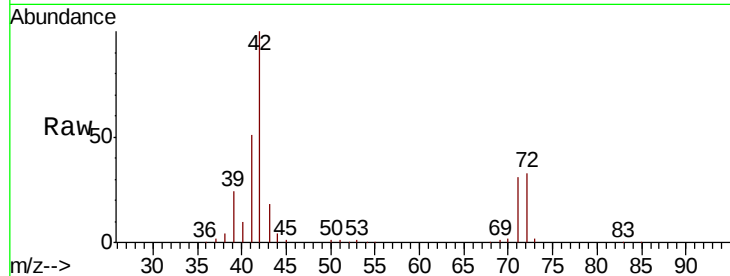
#29
Tetrahydrofuran
Concen: 111.949 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	32.0	48.0
71	36.1	29.8	44.8

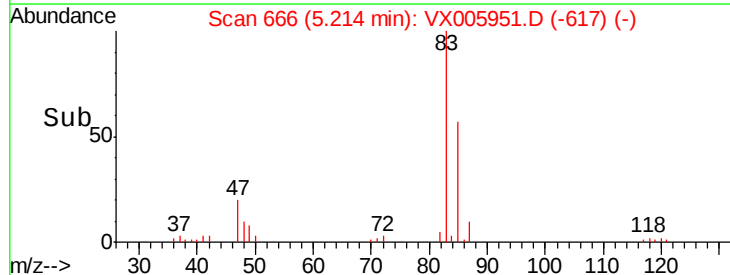
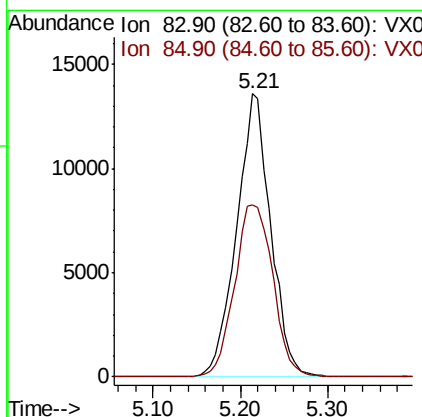
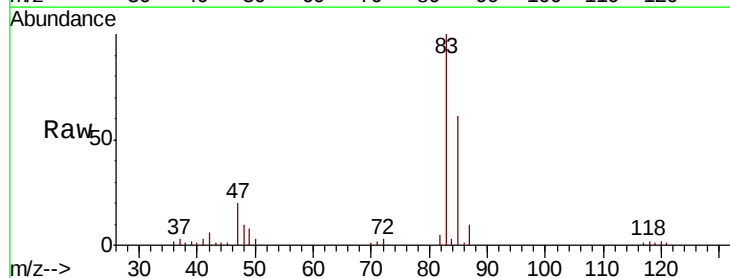
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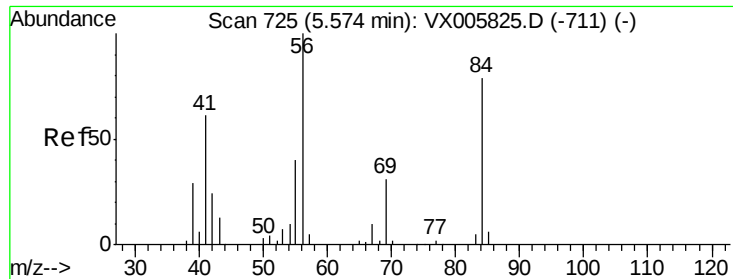
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#30
Chloroform
Concen: 21.977 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.6	76.0





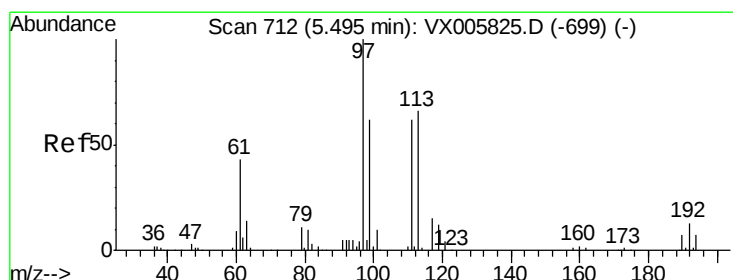
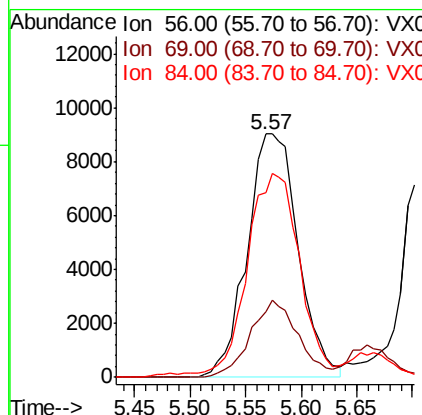
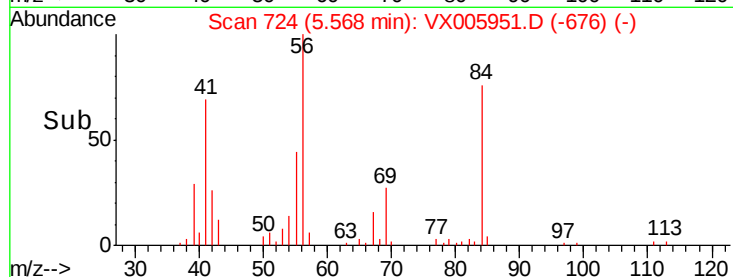
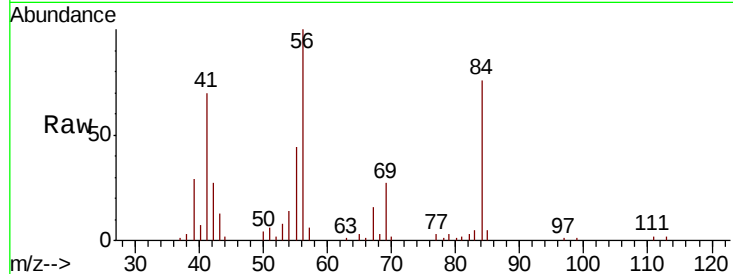
#31
Cyclohexane
Concen: 19.067 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.8	22.6	34.0
84	73.9	62.7	94.1

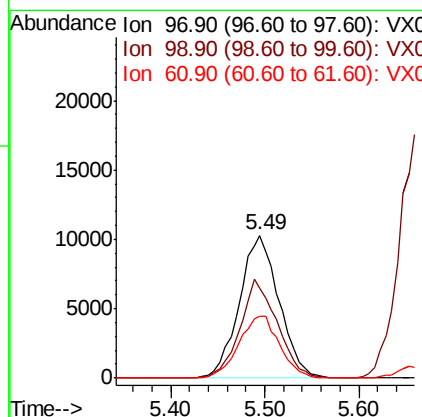
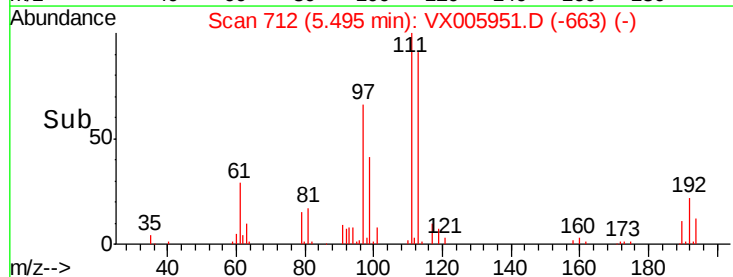
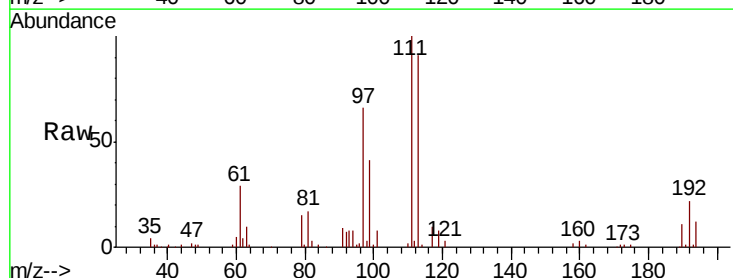
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#32
1,1,1-Trichloroethane
Concen: 21.664 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.3	78.5
61	44.5	35.2	52.8





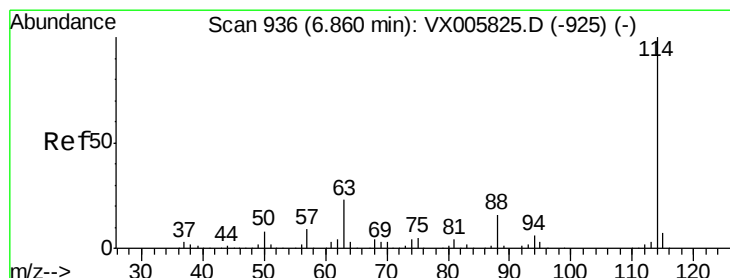
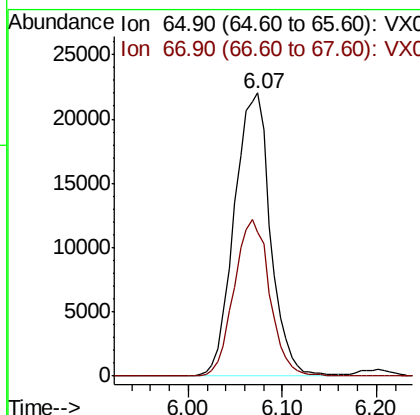
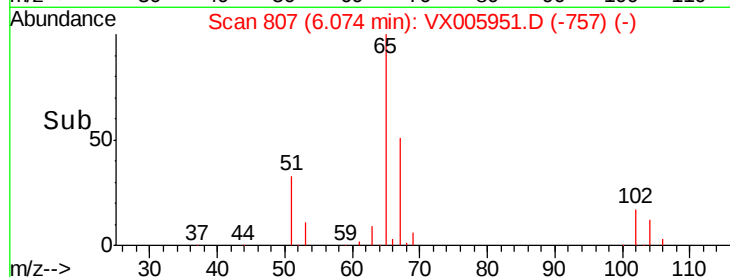
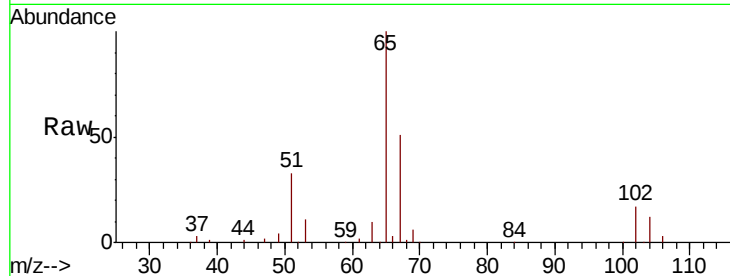
#33
 1,2-Dichloroethane-d4
 Concen: 54.609 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion: 65 Resp: 58986
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 105.0

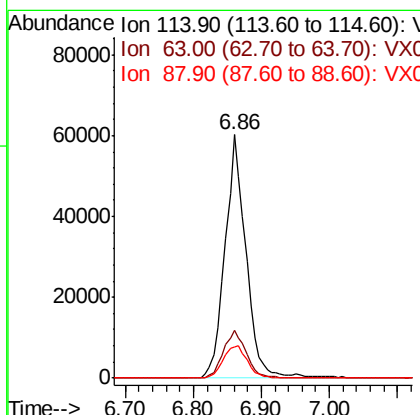
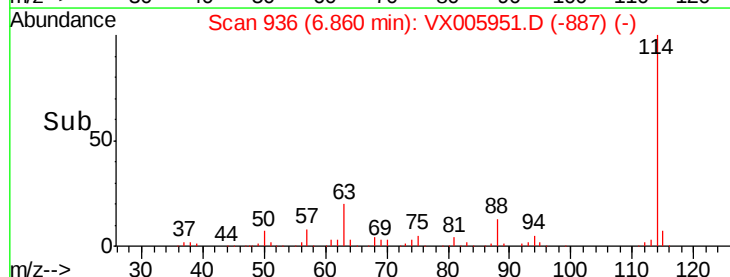
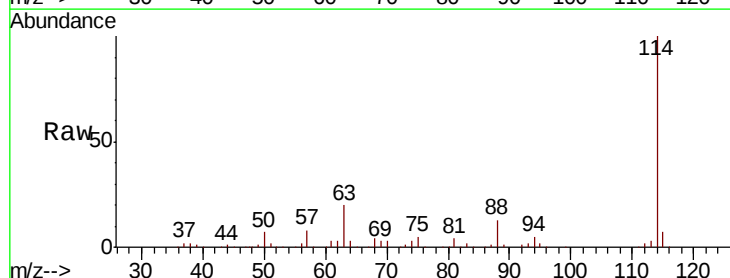
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion: 114 Resp: 129674
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.8
 88 13.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.392 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

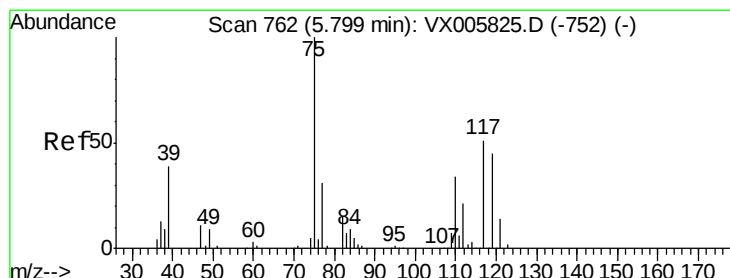
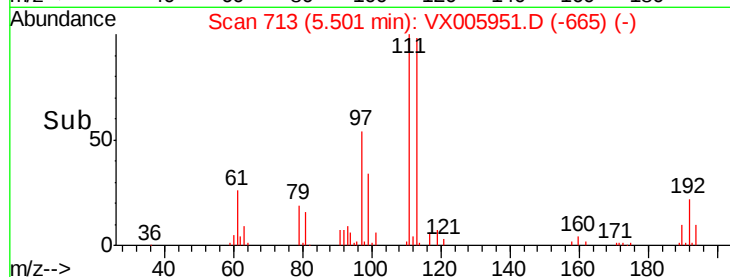
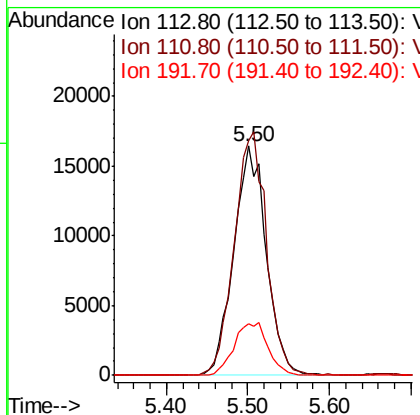
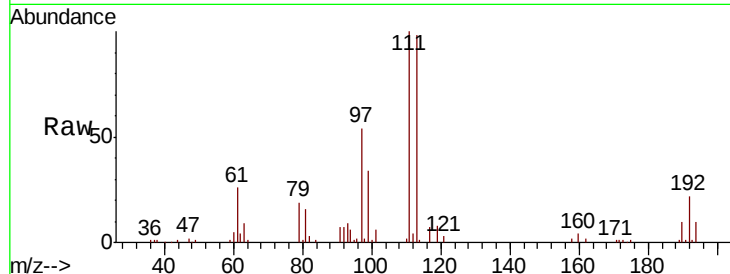
ClientSampleId :

VX1113WBSD01

Tot Ion:	113	Resp:	45327
Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.3	123.5
192	23.9	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 19.915 ug/l

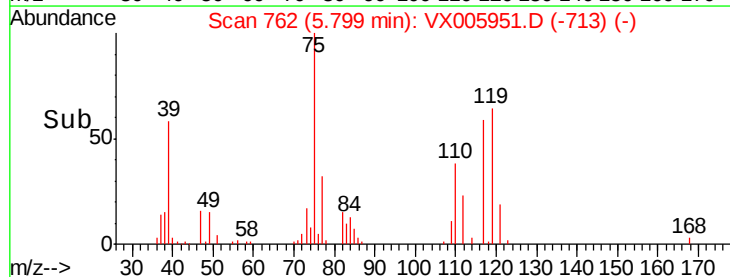
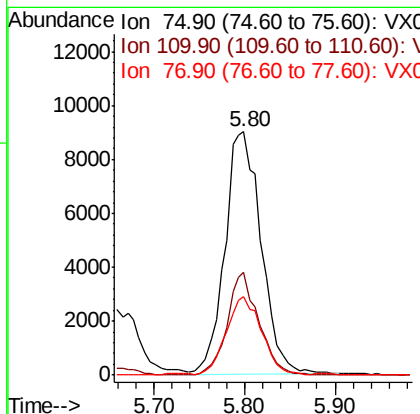
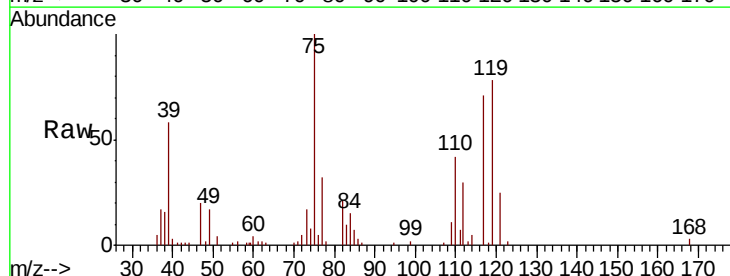
RT: 5.80 min Scan# 762

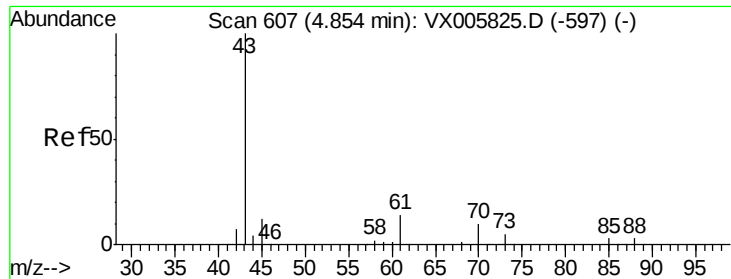
Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Tgt Ion:	75	Resp:	24895
Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.4	52.2
77	31.5	25.8	38.6





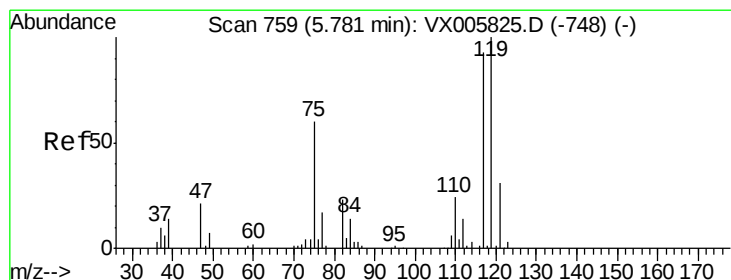
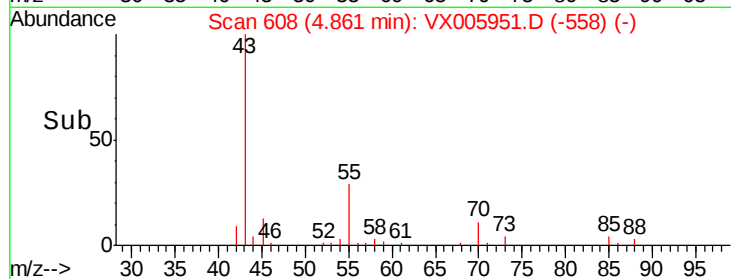
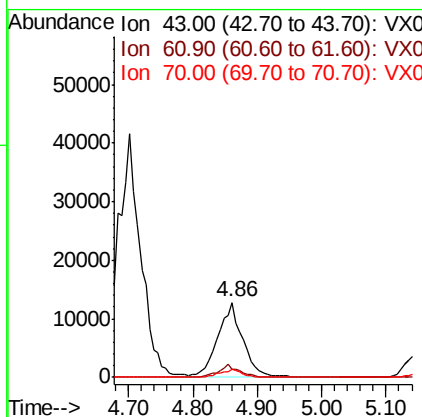
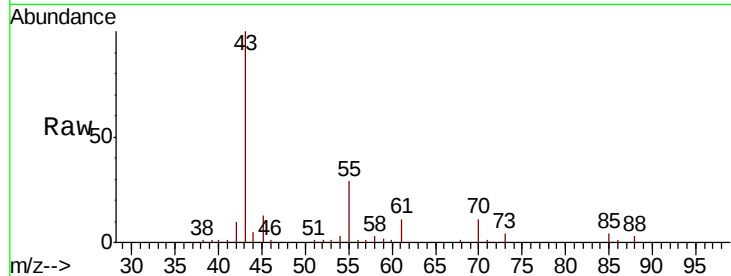
#37
Ethyl Acetate
Concen: 20.984 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.8	16.2
70	9.6	7.8	11.8

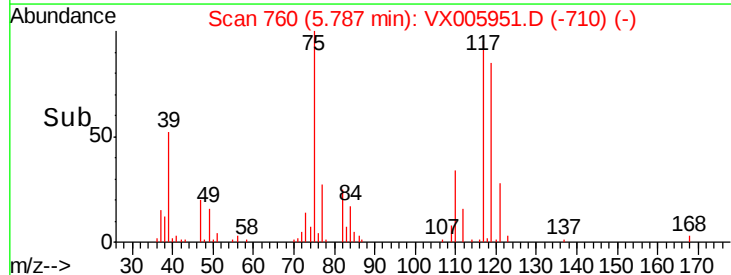
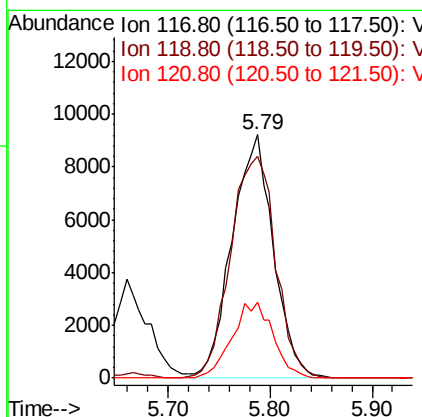
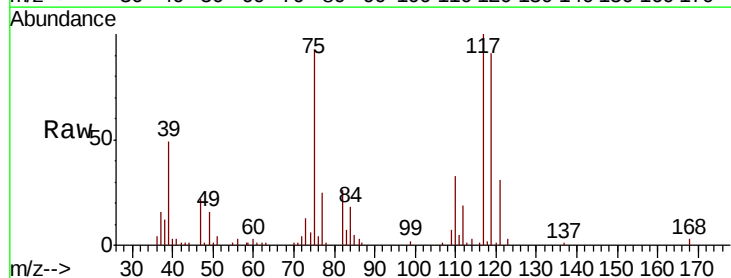
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#38
Carbon Tetrachloride
Concen: 20.766 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	78.1	117.1
121	31.0	24.6	36.8





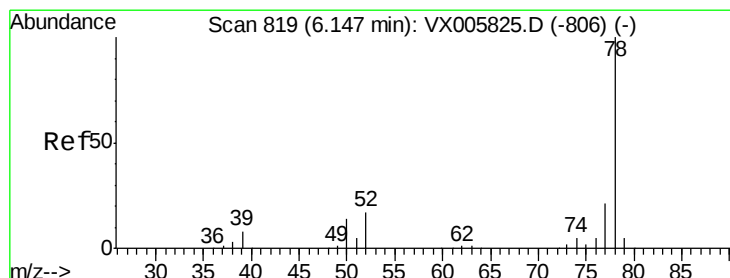
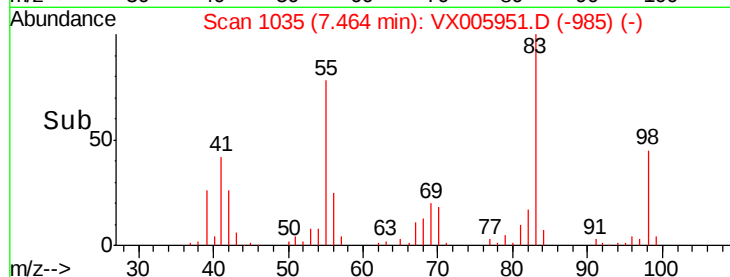
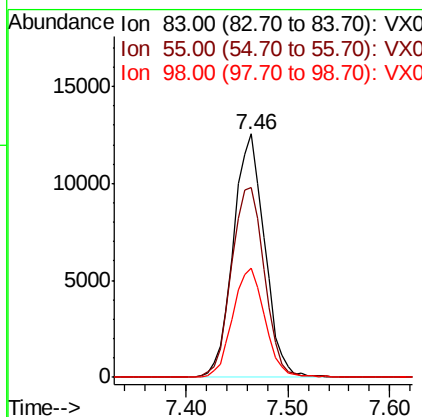
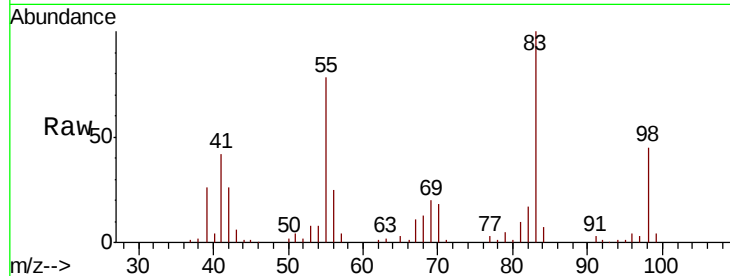
#39
Methylvlcyclohexane
Concen: 21.107 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	63.7	95.5
98	44.9	36.2	54.2

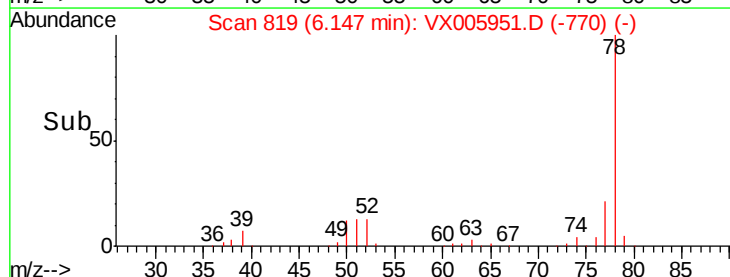
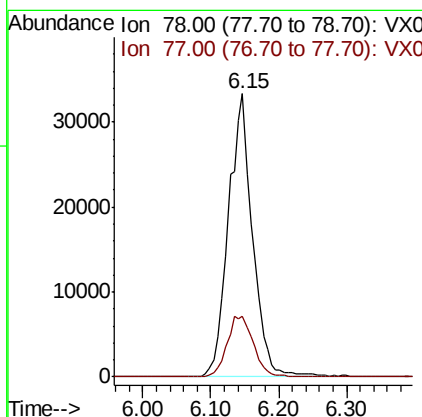
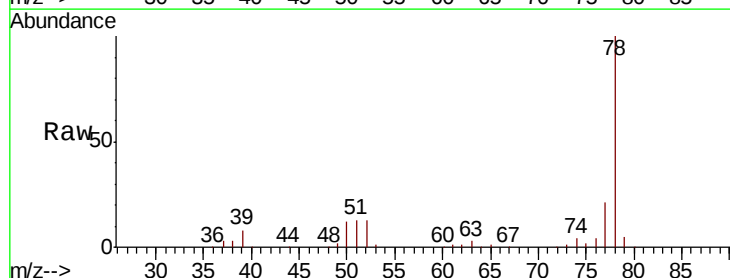
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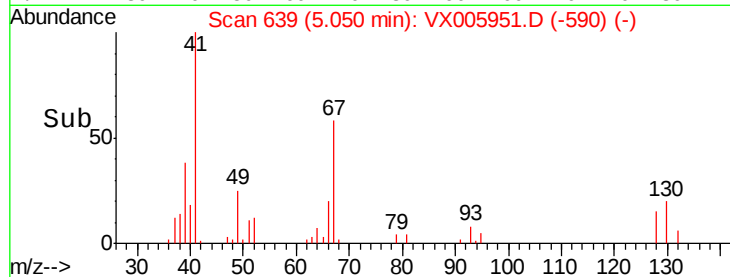
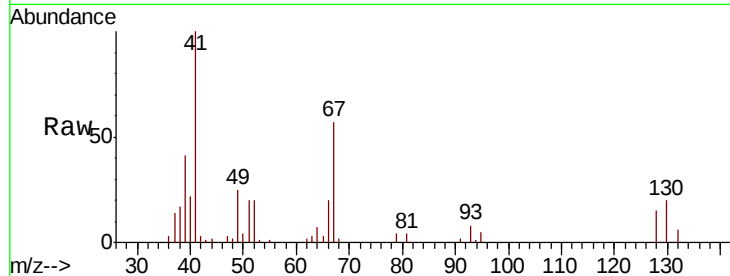
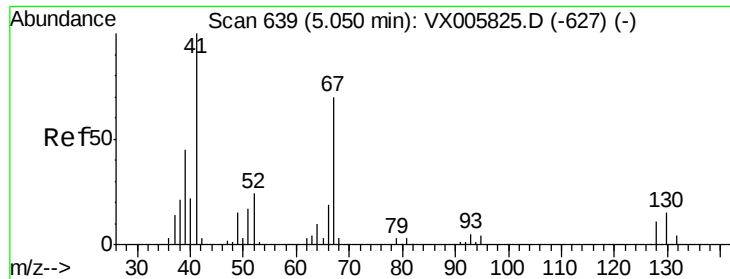
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#40
Benzene
Concen: 22.457 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.4	27.6





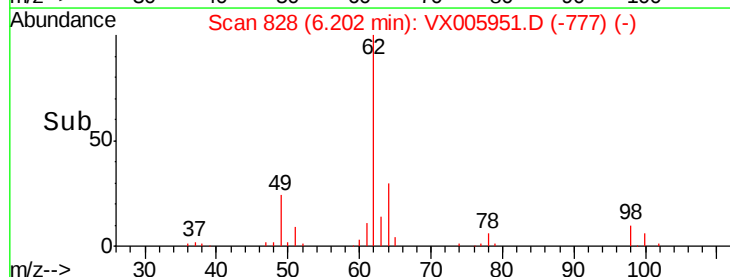
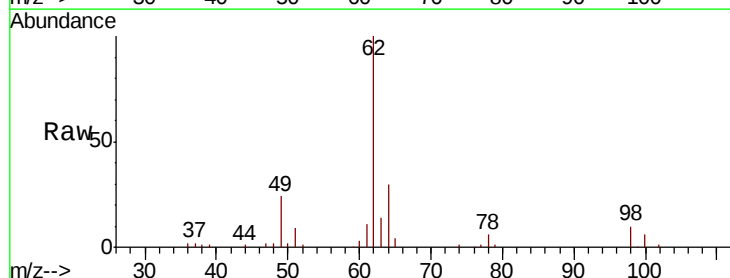
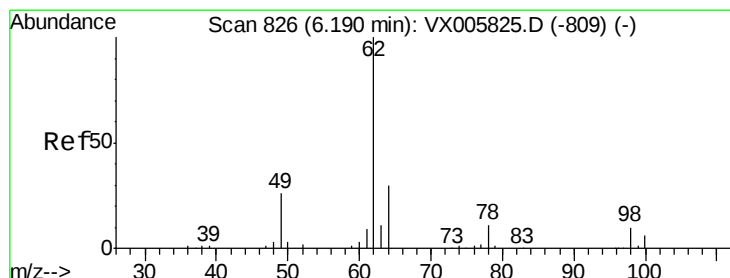
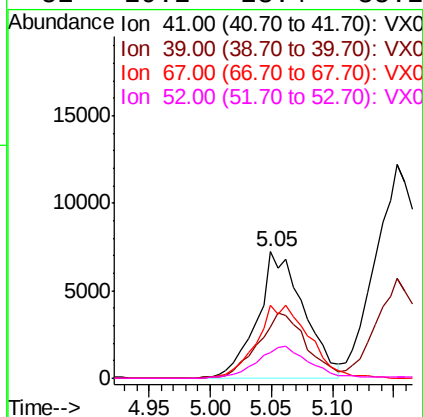
#41
Methacrylonitrile
Concen: 21.615 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.2	63.2	
67	65.3	53.4	80.0	
52	29.2	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

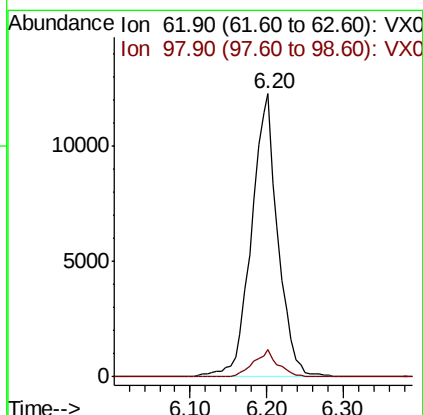
Manual Integrations
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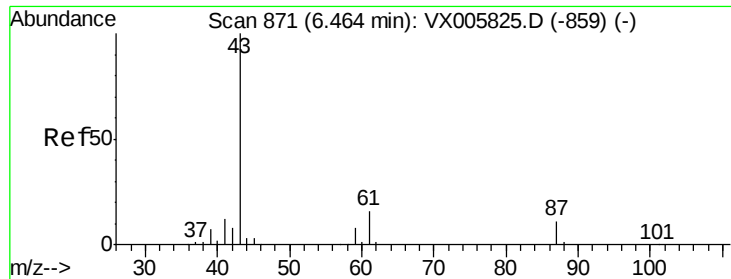
MMDadoda
11/14/2018 9:51:32 AM



#42
1,2-Dichloroethane
Concen: 22.639 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.8	





#43

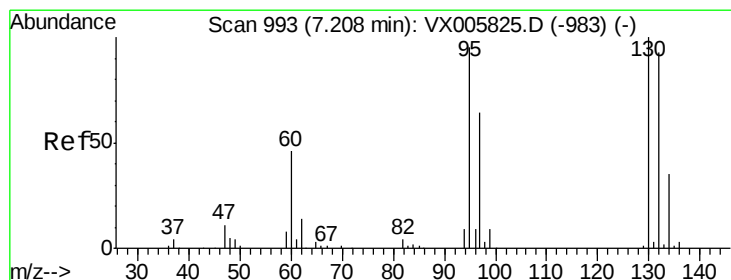
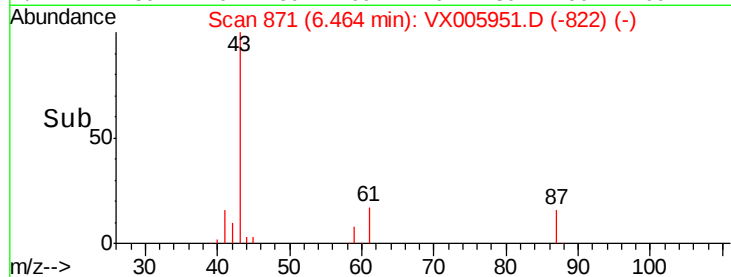
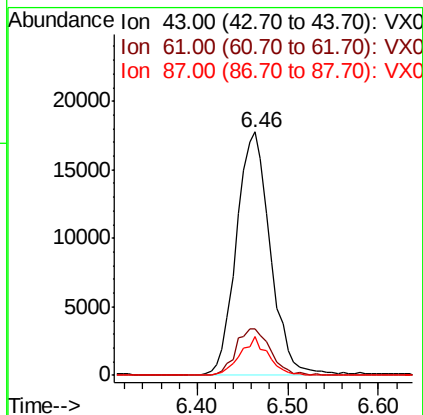
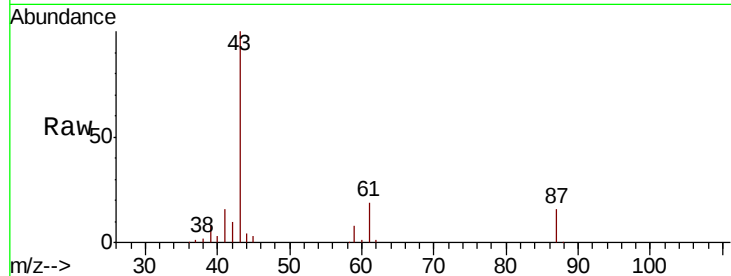
Isopropyl Acetate
 Concen: 19.381 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	14.6	22.0
87	12.9	9.6	14.4

Manual Integrations
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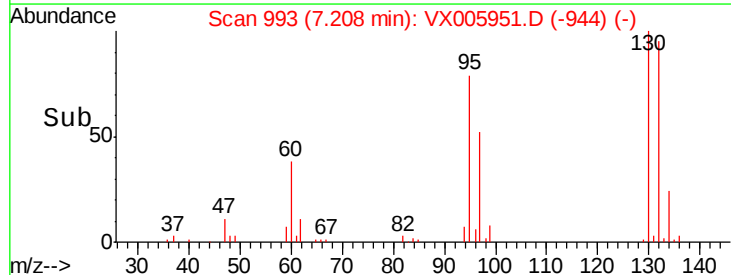
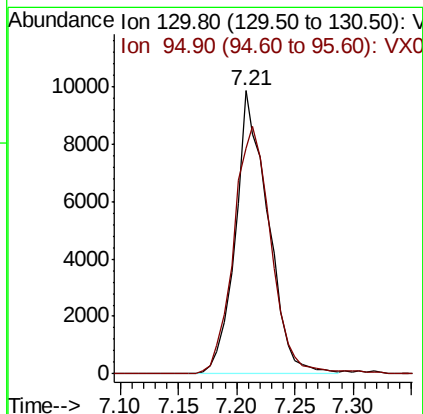
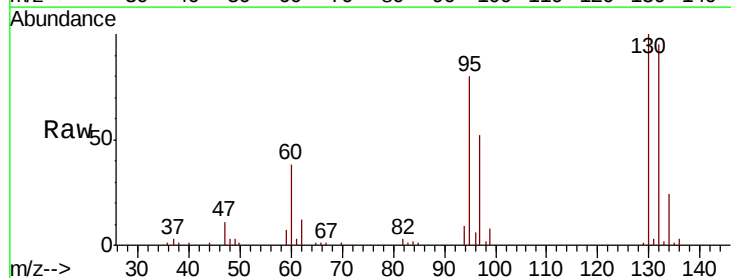
MMDadoda
 11/14/2018 9:51:32 AM

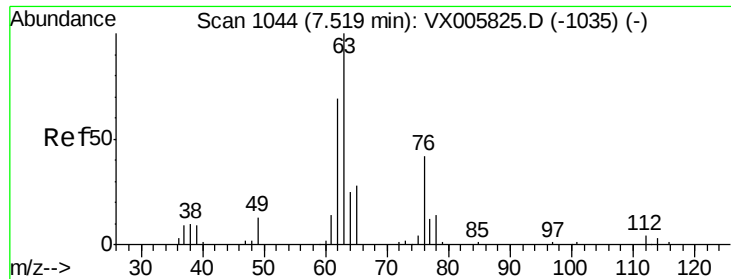


#44

Trichloroethene
 Concen: 20.836 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	79.8	0.0	194.2





#45

1,2-Dichloropropane

Concen: 21.858 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 63 Resp: 19334

Ion Ratio Lower Upper

63 100

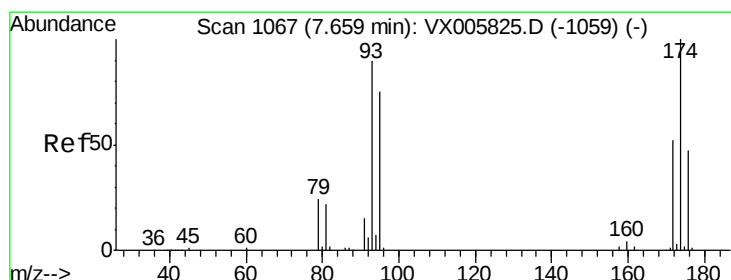
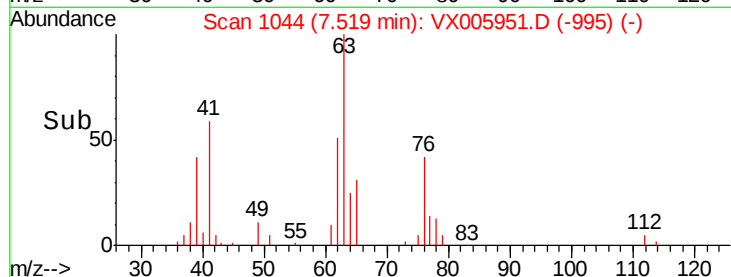
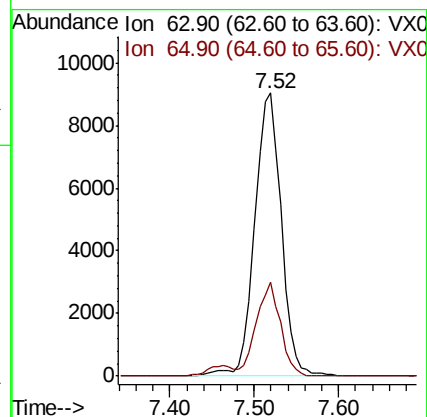
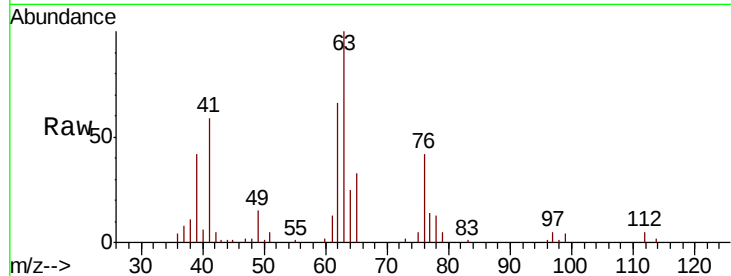
65 33.0 24.8 37.2

Manual Integrations

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11/14/2018 9:51:32 AM



#46

Dibromomethane

Concen: 22.275 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

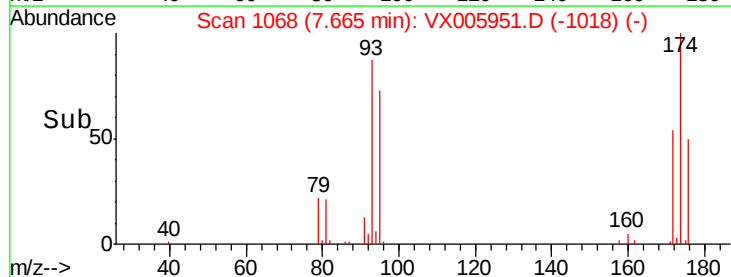
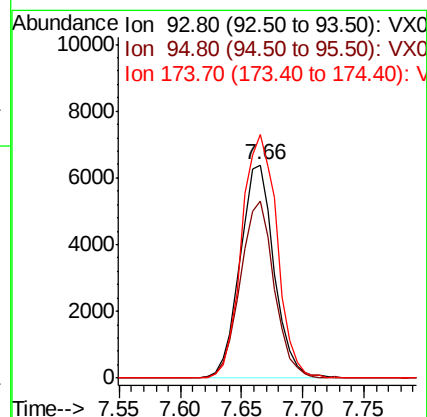
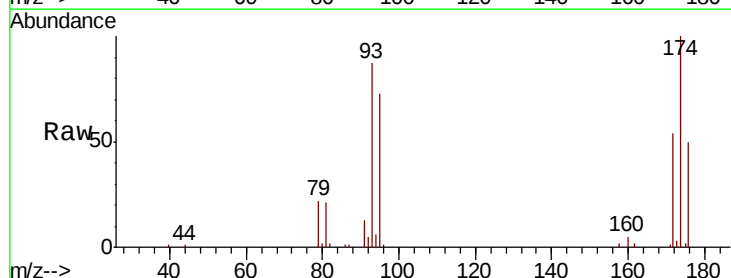
Tgt Ion: 93 Resp: 12364

Ion Ratio Lower Upper

93 100

95 82.0 67.4 101.0

174 118.2 91.5 137.3





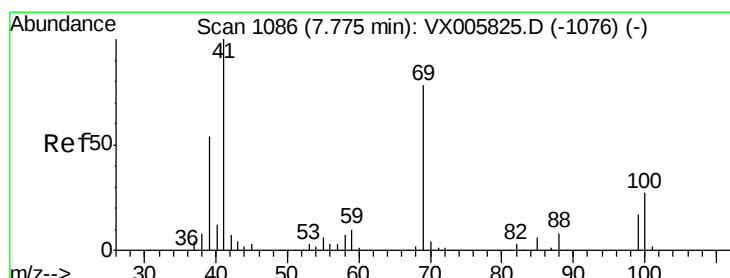
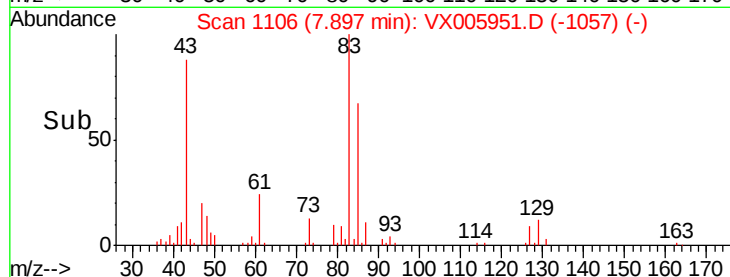
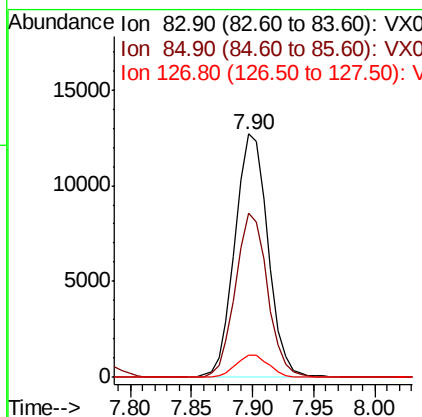
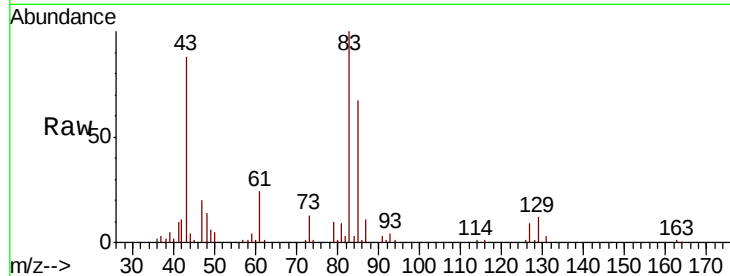
#47
Bromodichloromethane
Concen: 22.762 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.2	75.4
127	9.1	6.9	10.3

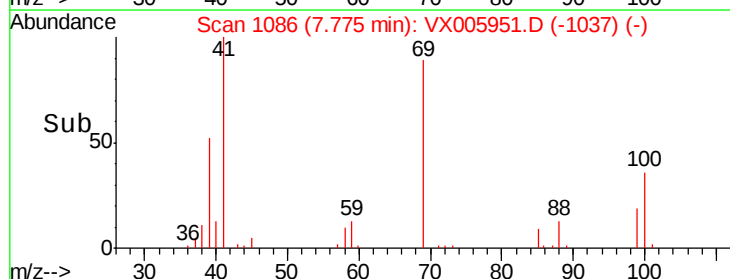
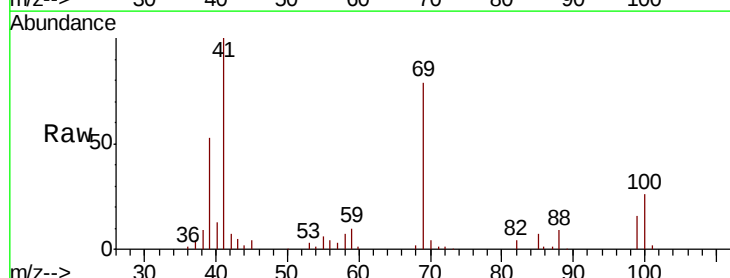
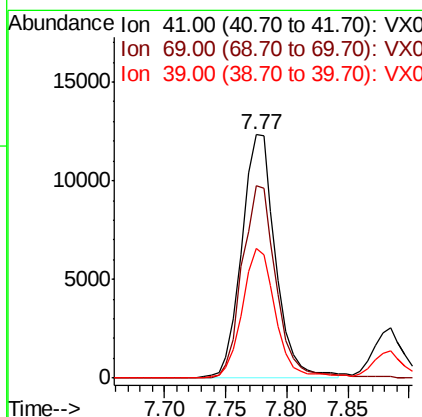
Manual Integrations
APPROVED

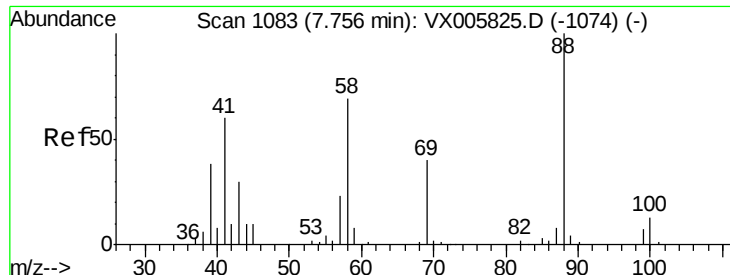
MMDadoda
11/14/2018 9:51:32 AM



#48
Methyl methacrylate
Concen: 22.172 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.4	63.2	94.8
39	52.8	42.2	63.2





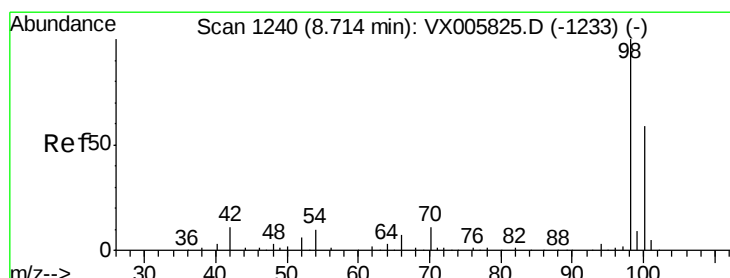
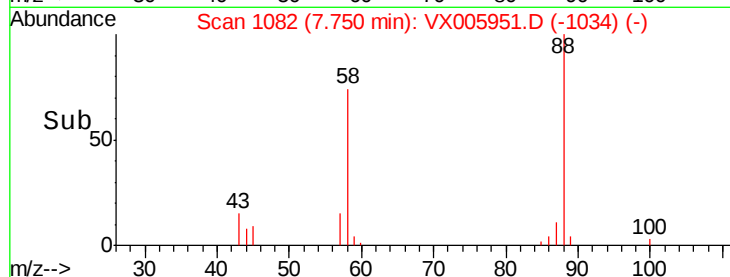
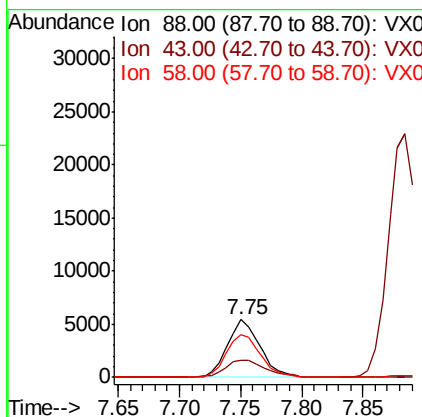
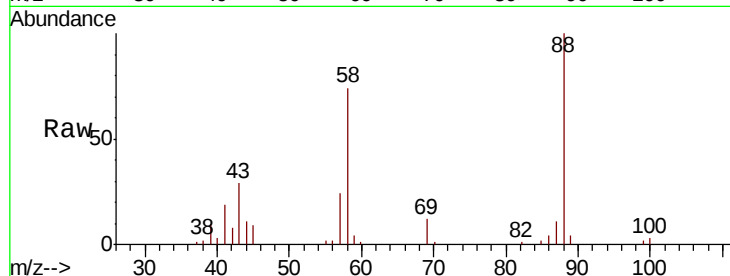
#49
1,4-Dioxane
Concen: 433.622 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	27.4	41.0
58	78.7	59.4	89.2

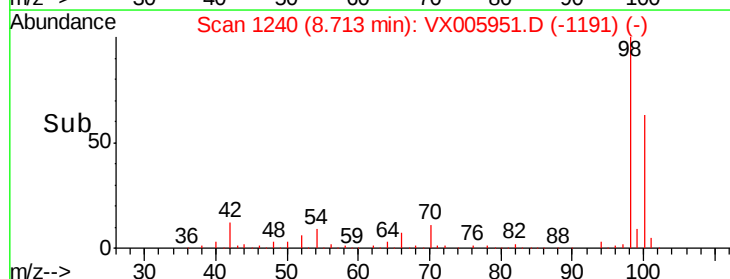
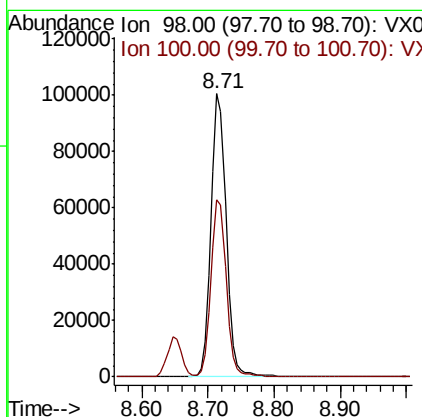
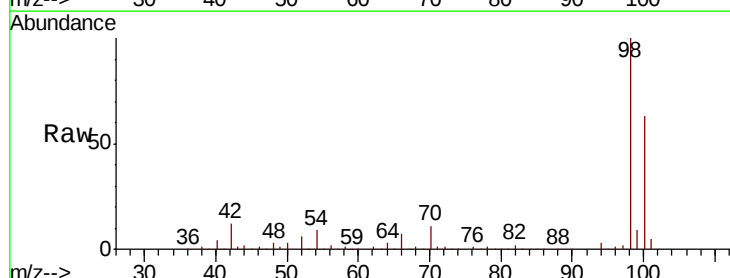
Manual Integrations
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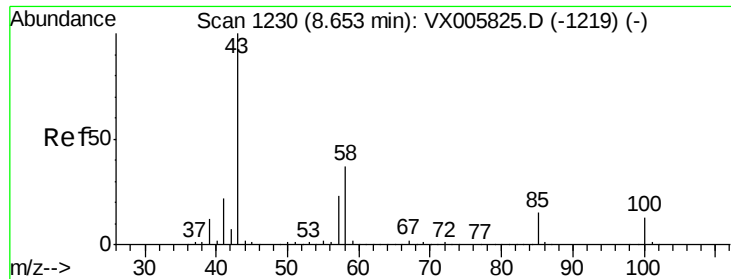
MMDadoda
11/14/2018 9:51:32 AM



#50
Toluene-d8
Concen: 54.759 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 110.685 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 43 Resp: 166165

Ion Ratio Lower Upper

43 100

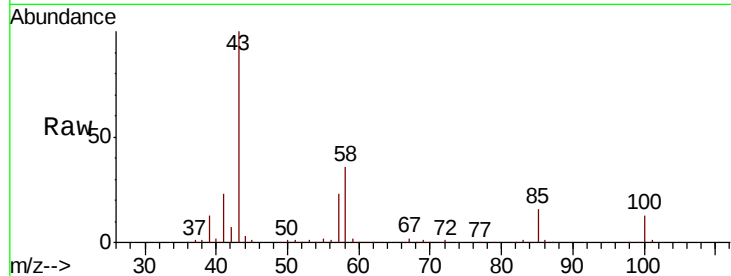
58 36.5 29.7 44.5

Manual Integrations

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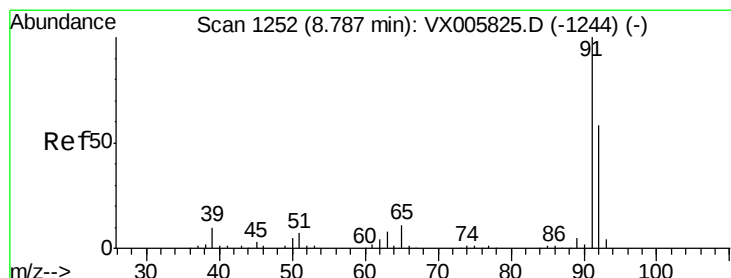
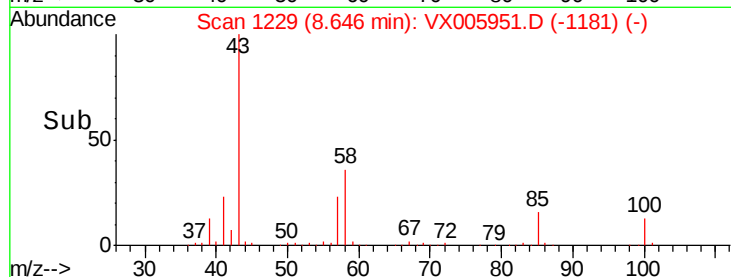
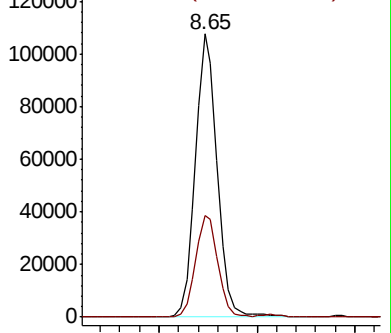
MMDadoda

11/14/2018 9:51:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 21.224 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005951.D

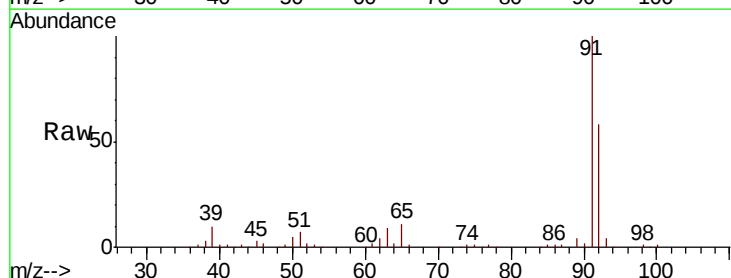
Acq: 13 Nov 2018 16:20

Tgt Ion: 92 Resp: 43229

Ion Ratio Lower Upper

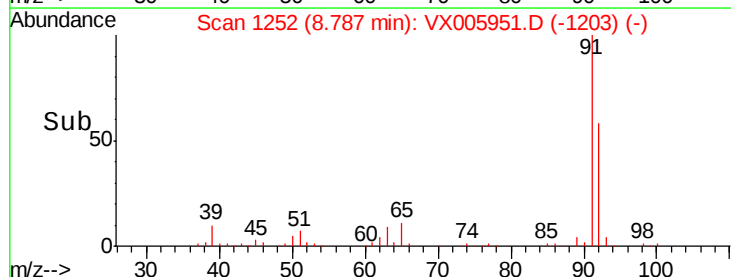
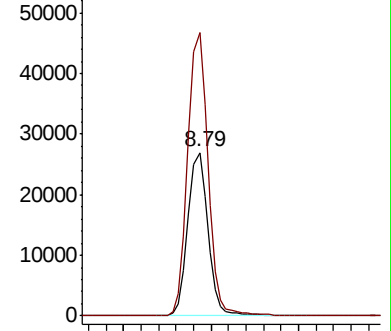
92 100

91 175.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





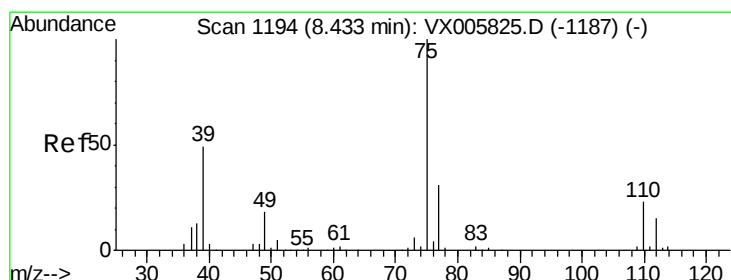
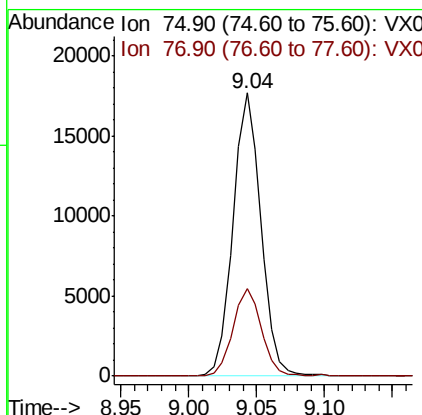
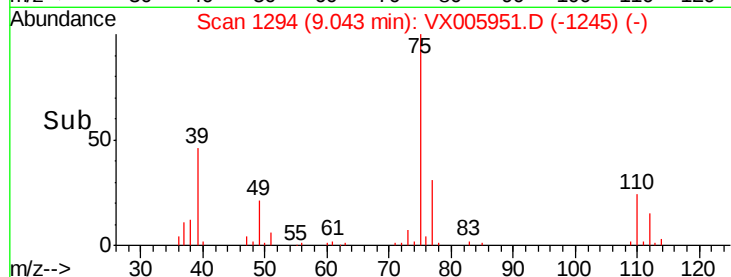
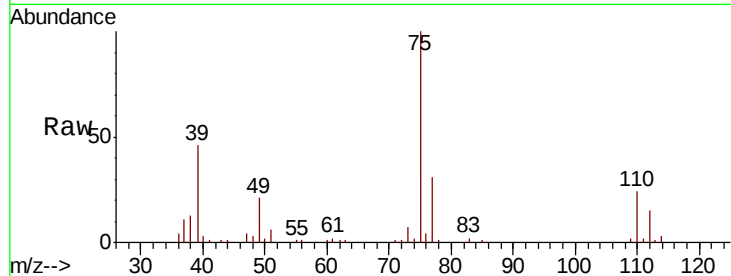
#53
t-1,3-Dichloropropene
Concen: 20.415 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion: 75 Resp: 25272
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

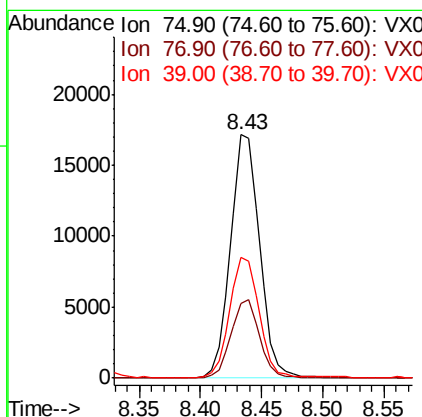
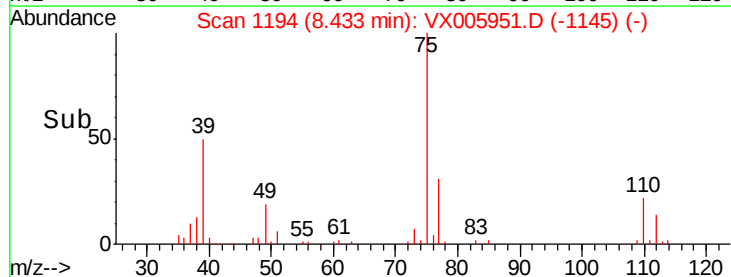
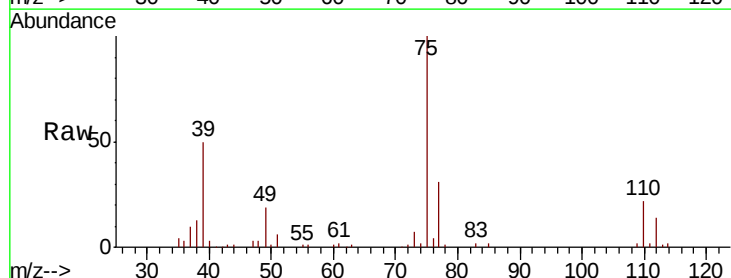
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11/14/2018 9:51:32 AM



#54
cis-1,3-Dichloropropene
Concen: 22.393 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion: 75 Resp: 28254
Ion Ratio Lower Upper
75 100
77 30.6 25.2 37.8
39 49.8 38.2 57.2





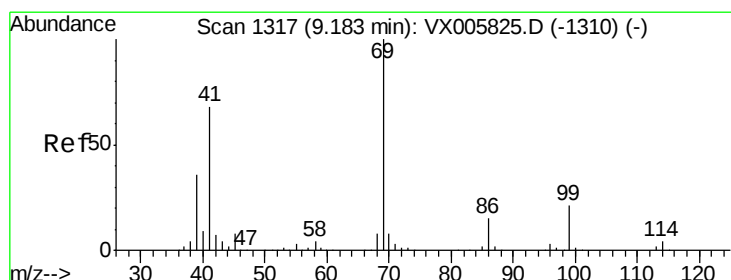
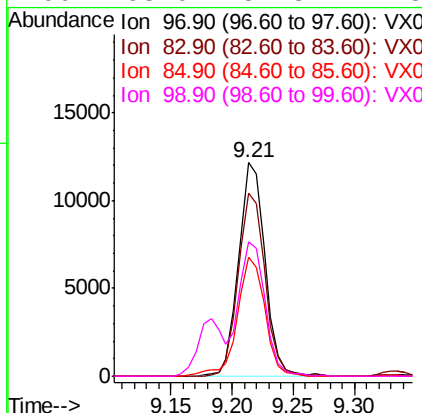
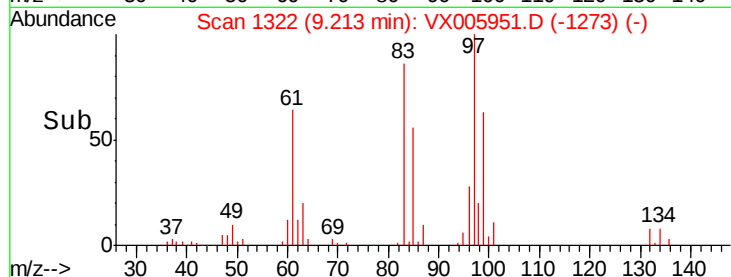
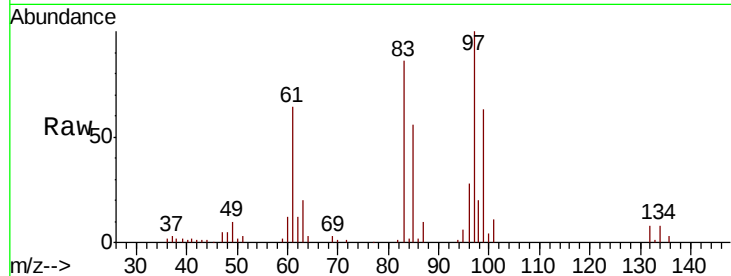
#55
 1,1,2-Trichloroethane
 Concen: 20.069 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.7	106.1
85	55.9	45.8	68.6
99	63.0	51.8	77.8

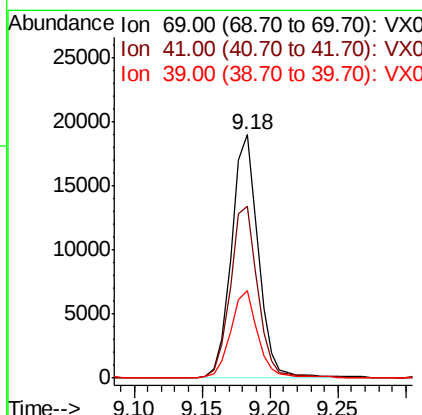
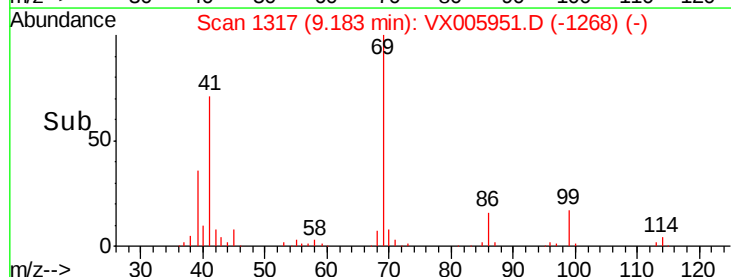
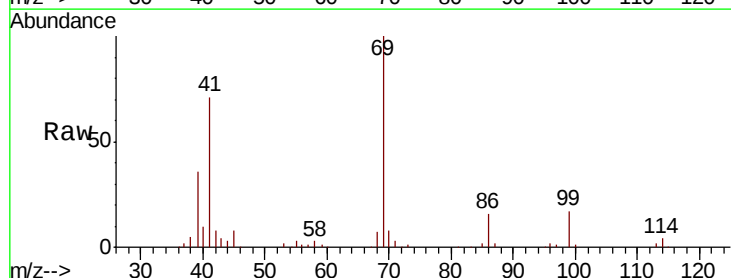
Manual Integrations
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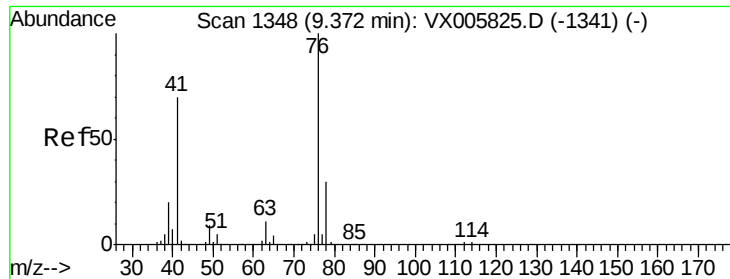
MMDadoda
 11/14/2018 9:51:32 AM



#56
 Ethyl methacrylate
 Concen: 19.182 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.0	85.6
39	37.5	28.3	42.5





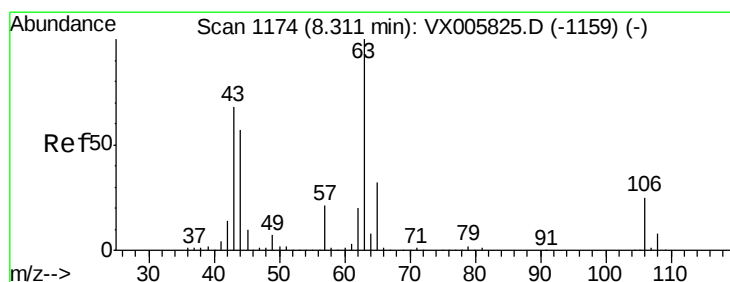
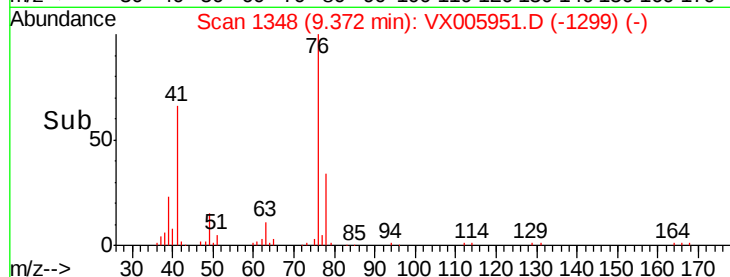
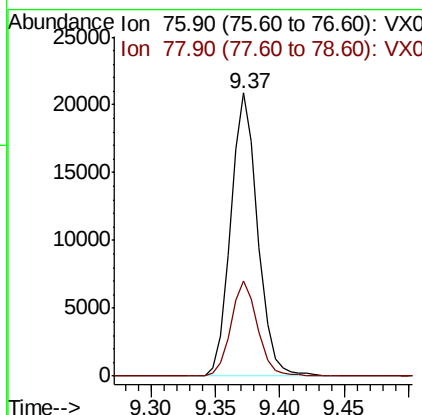
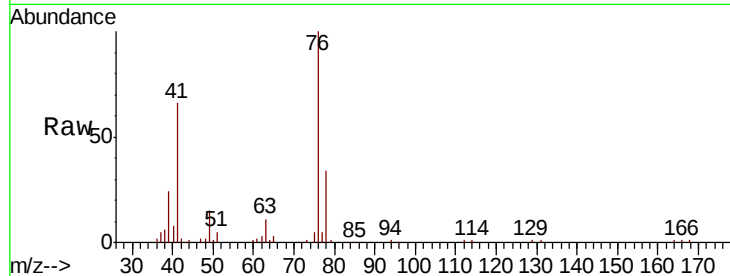
#57
 1,3-Dichloropropane
 Concen: 20.022 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion: 76 Resp: 30543
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.3 37.9

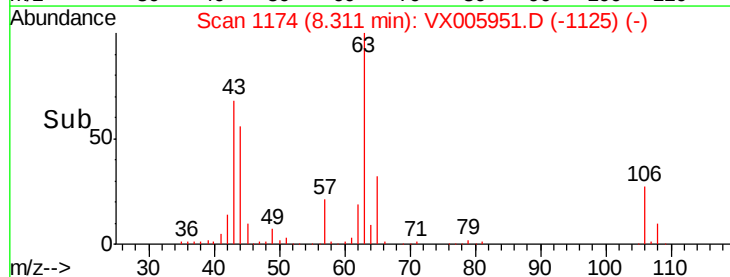
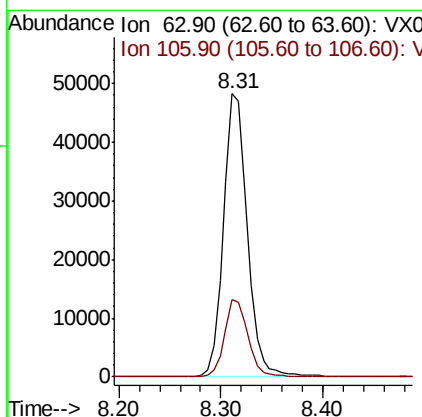
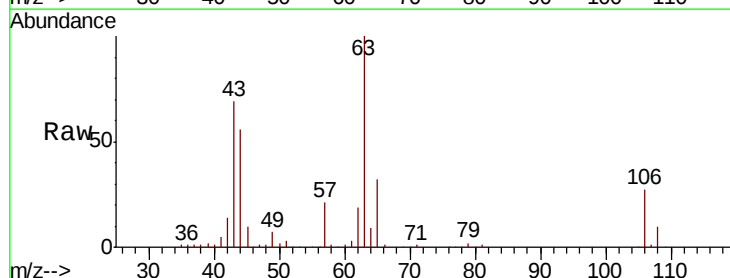
Manual Integrations
 APPROVED

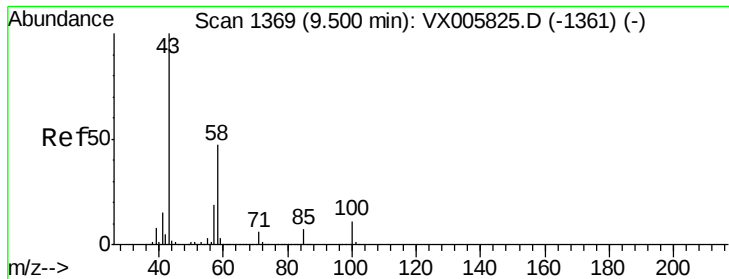
MMDadoda
 11/14/2018 9:51:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.622 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion: 63 Resp: 78337
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.3 31.9





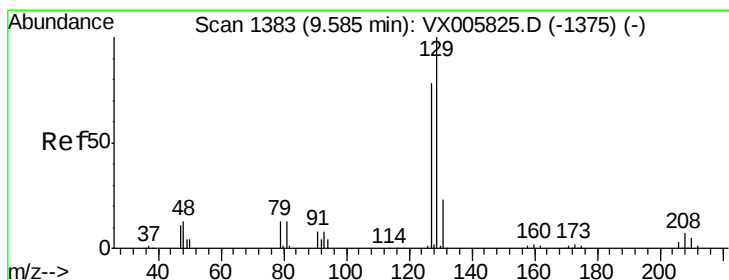
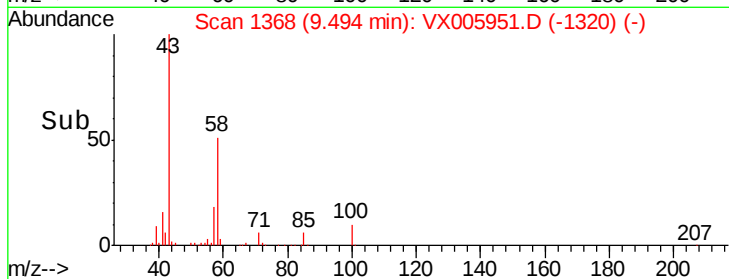
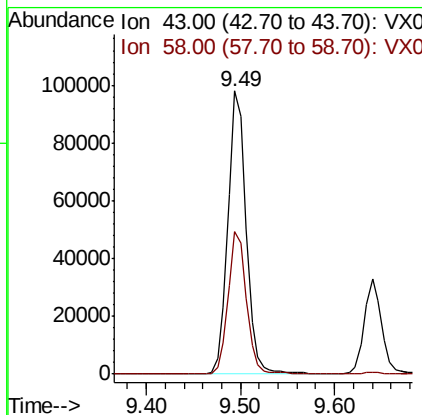
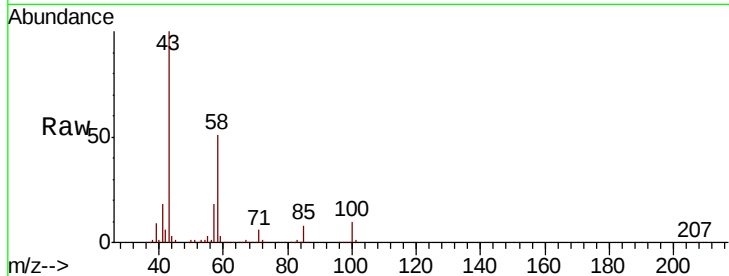
#59
2-Hexanone
Concen: 100.181 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion: 43 Resp: 132567
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.8

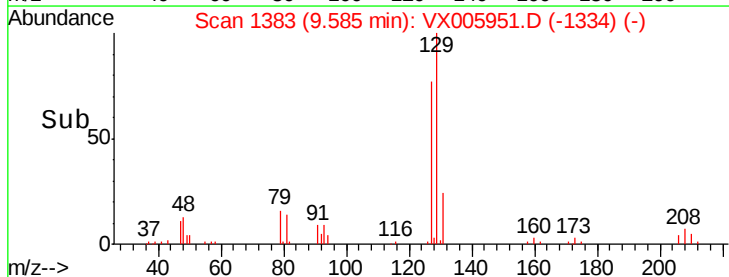
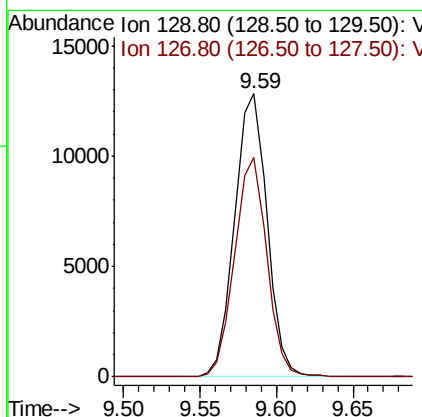
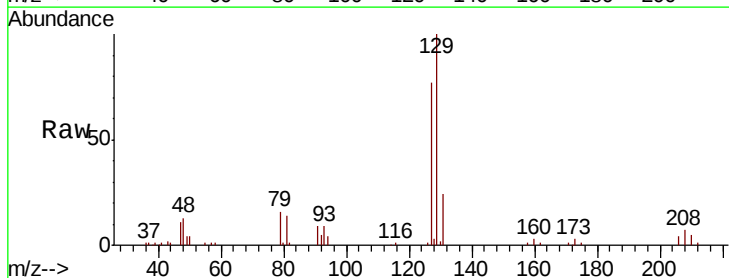
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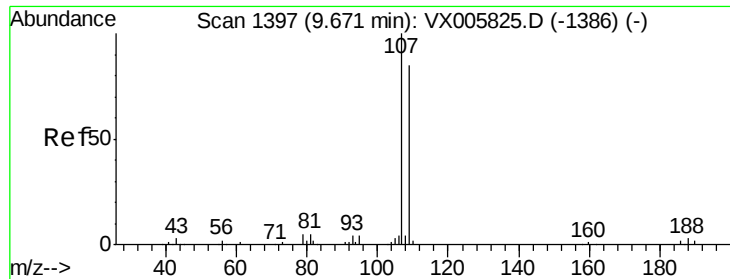
MMDadoda
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#60
Dibromochloromethane
Concen: 19.264 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion:129 Resp: 18898
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





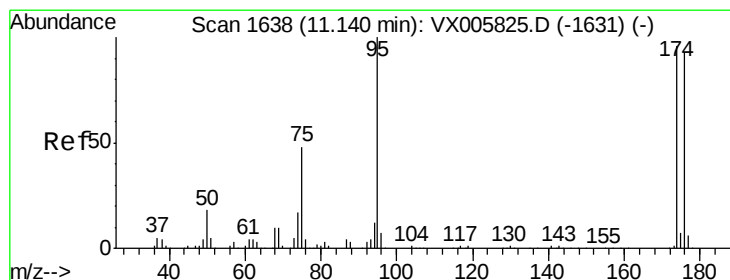
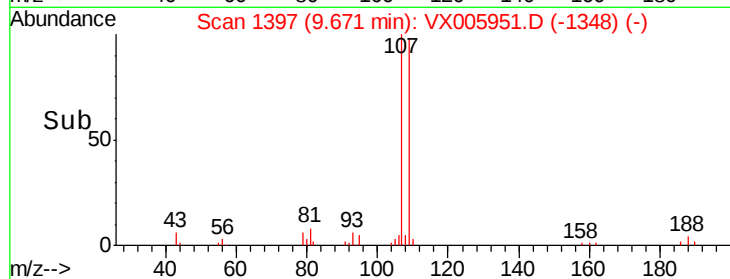
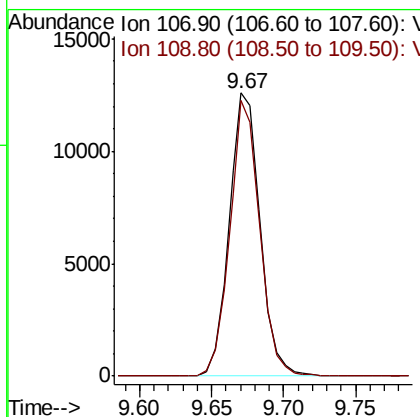
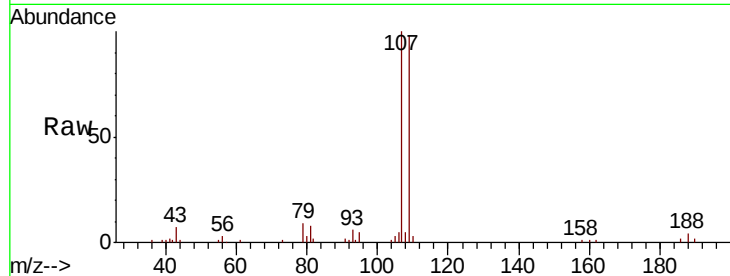
#61
 1,2-Dibromoethane
 Concen: 18.758 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.7	113.5

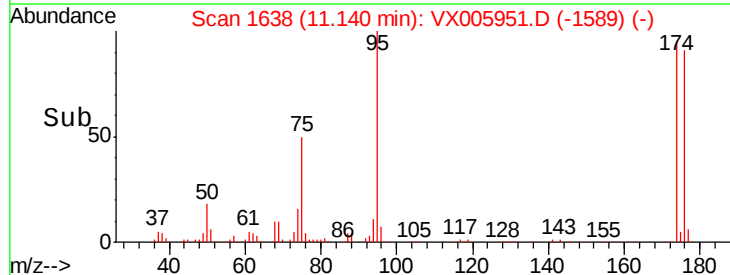
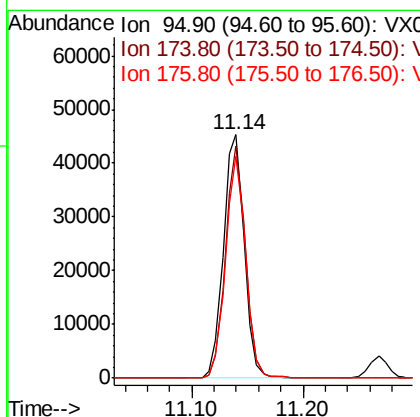
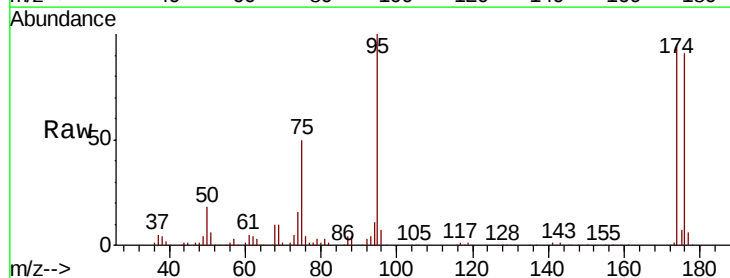
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#62
 4-Bromofluorobenzene
 Concen: 55.595 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	184.4
176	87.9	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: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

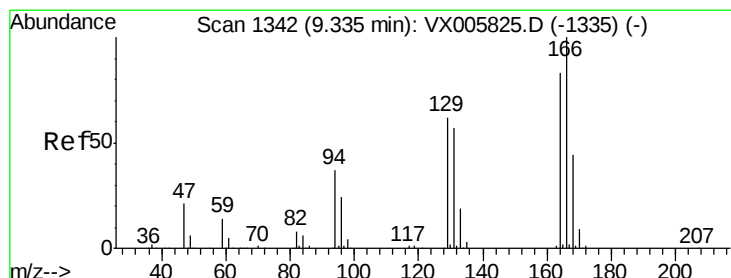
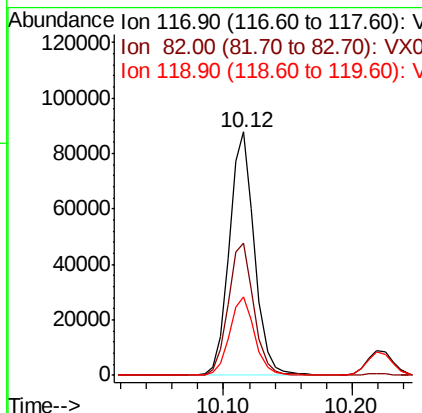
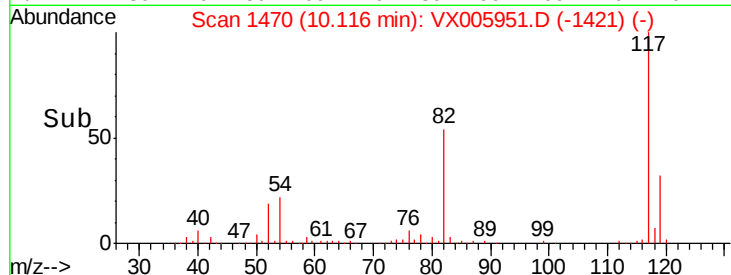
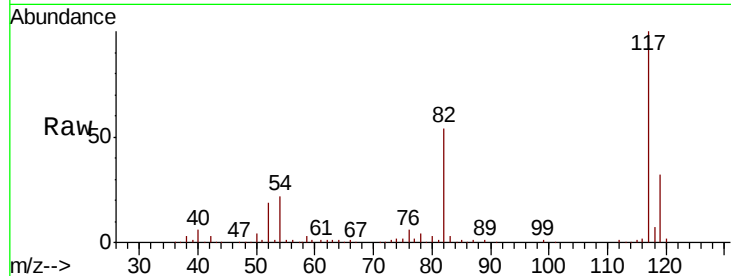
ClientSampleId :

VX1113WBSD01

Tot Ion:	117	Resp:	119347
Ion Ratio	Lower	Upper	
117	100		
82	54.2	44.1	66.1
119	32.2	26.2	39.2

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#64

Tetrachloroethene

Concen: 19.849 ug/l

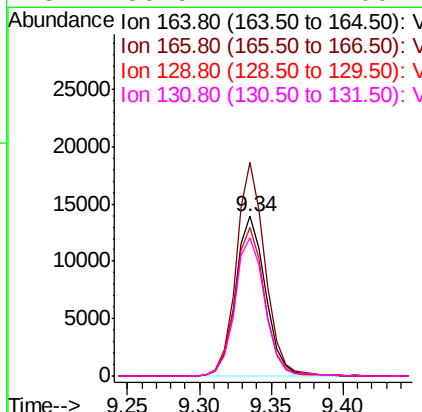
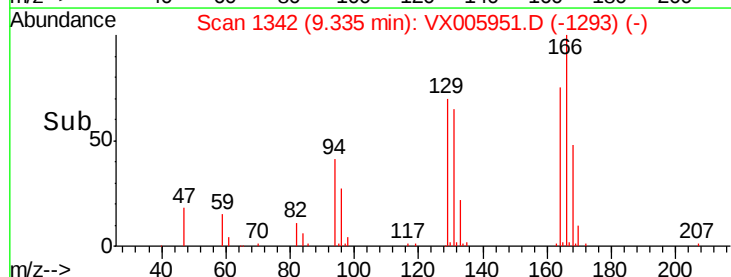
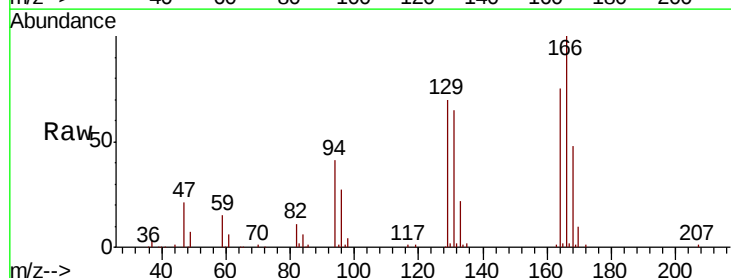
RT: 9.34 min Scan# 1342

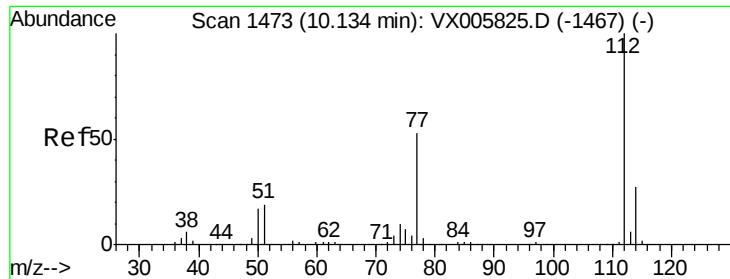
Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Tgt Ion:	164	Resp:	20169
Ion Ratio	Lower	Upper	
164	100		
166	133.6	101.9	152.9
129	93.2	72.6	109.0
131	86.5	71.1	106.7





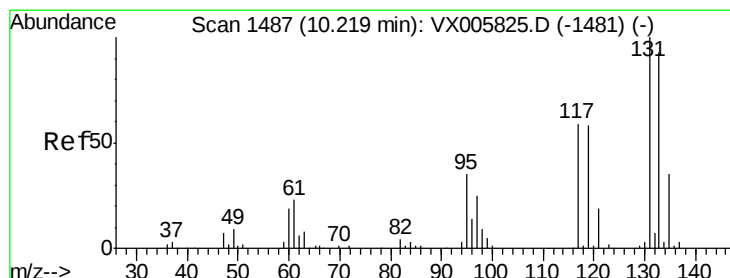
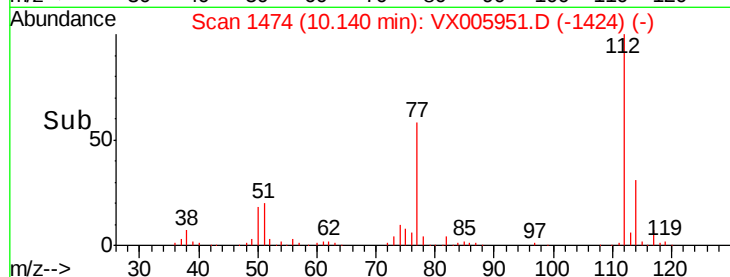
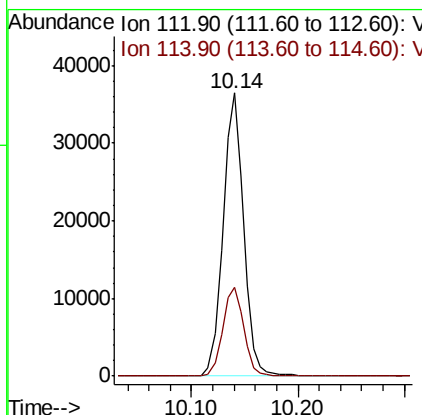
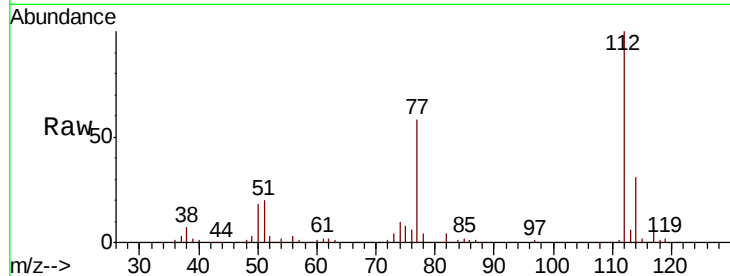
#65
Chlorobenzene
Concen: 20.558 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion:112 Resp: 49153
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6

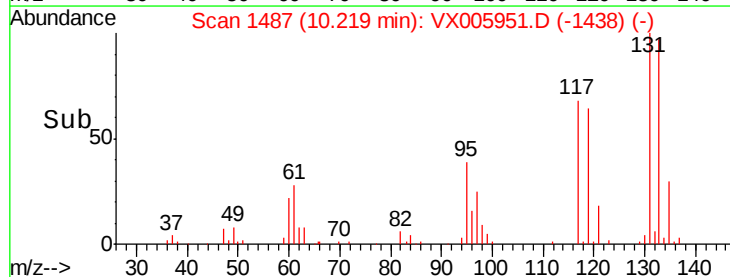
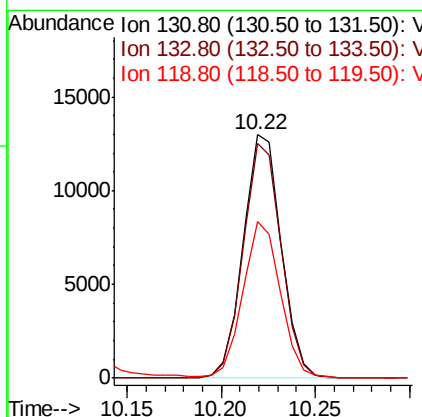
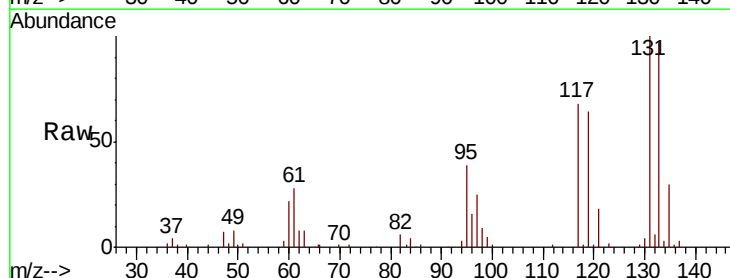
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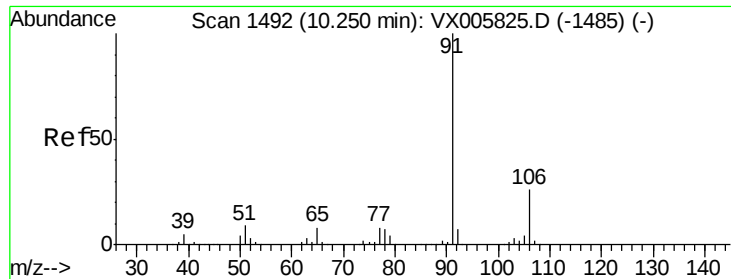
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.838 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion:131 Resp: 18152
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.5
119 63.5 31.8 95.3





#67

Ethyl Benzene

Concen: 21.257 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 91 Resp: 81497

Ion Ratio Lower Upper

91 100

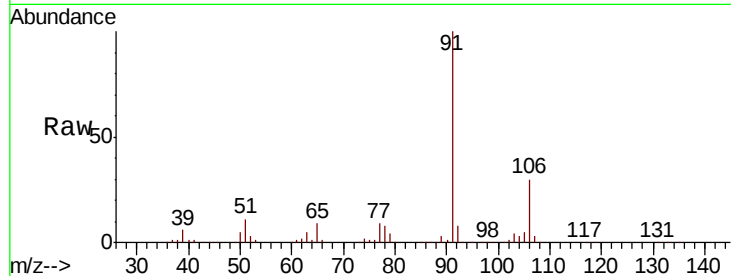
106 30.1 24.4 36.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)

100000

80000

60000

40000

20000

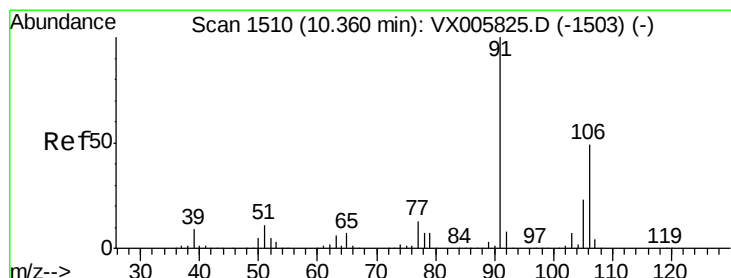
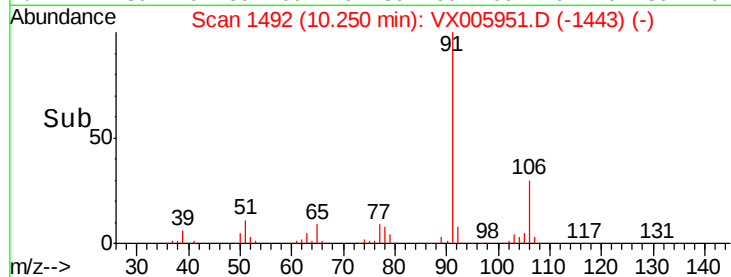
0

10.20

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 43.755 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005951.D

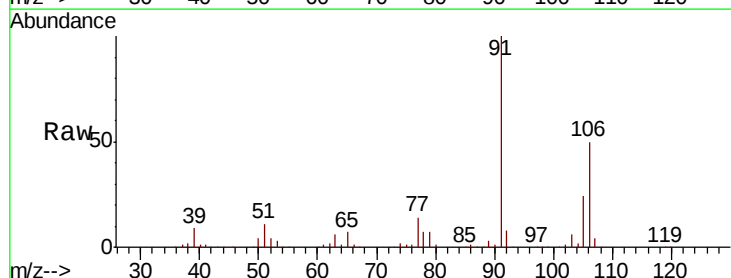
Acq: 13 Nov 2018 16:20

Tgt Ion: 106 Resp: 63986

Ion Ratio Lower Upper

106 100

91 206.3 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)

100000

80000

60000

40000

20000

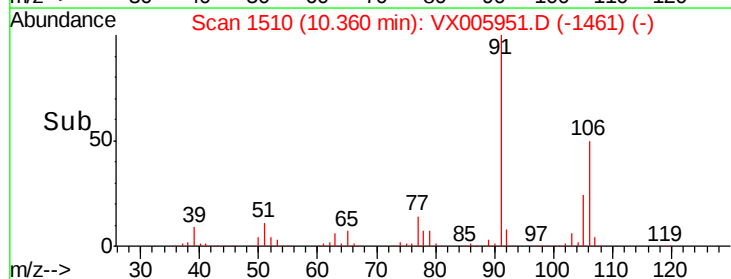
0

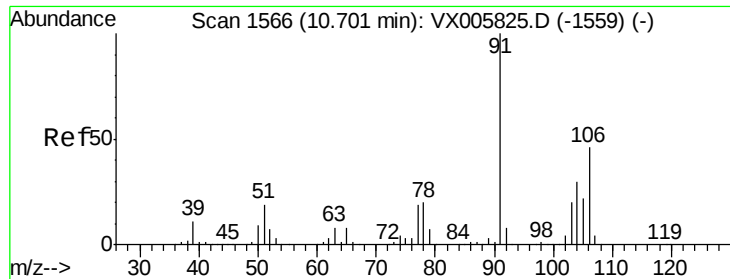
10.30

10.36

10.40

Time-->





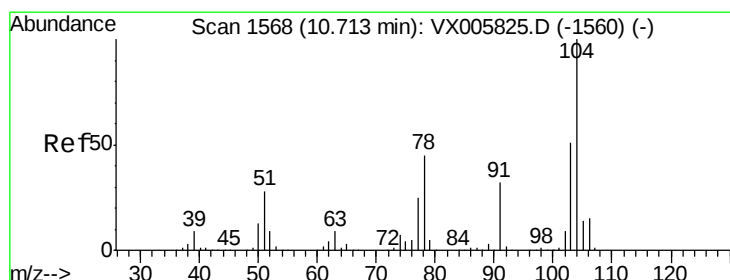
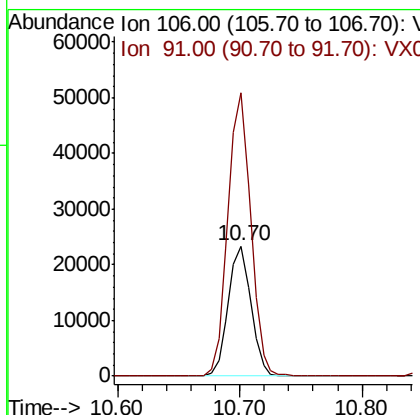
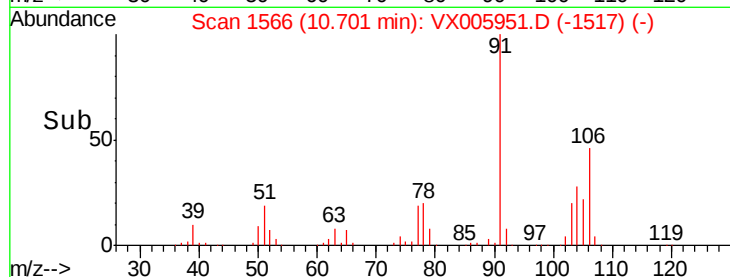
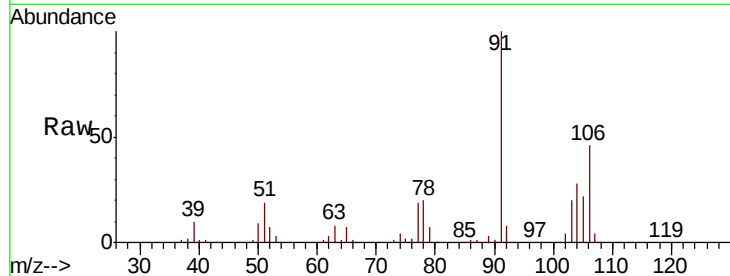
#69
o-Xylene
Concen: 22.920 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion:106 Resp: 30056
Ion Ratio Lower Upper
106 100
91 219.1 108.5 325.5

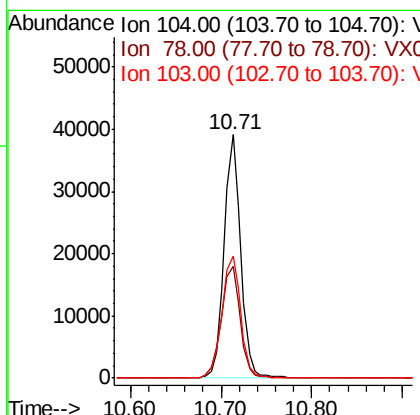
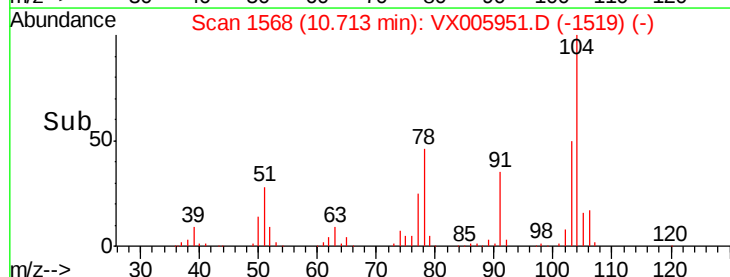
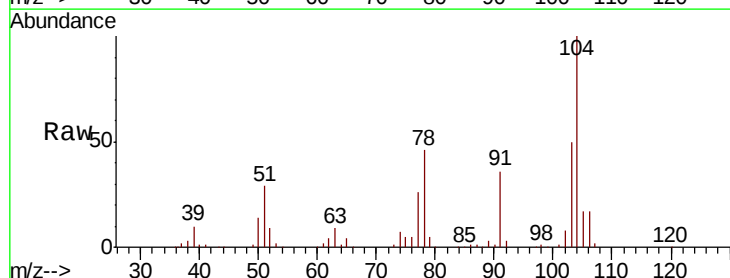
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#70
Styrene
Concen: 23.064 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion:104 Resp: 49892
Ion Ratio Lower Upper
104 100
78 52.8 40.2 60.4
103 57.0 44.9 67.3





#71

Bromoform

Concen: 22.203 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion:173 Resp: 15471

Ion Ratio Lower Upper

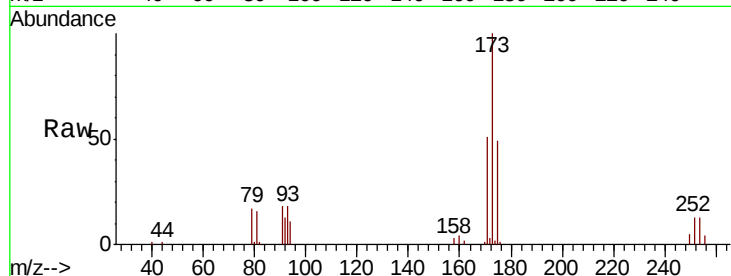
173 100

175 48.4 24.8 74.3

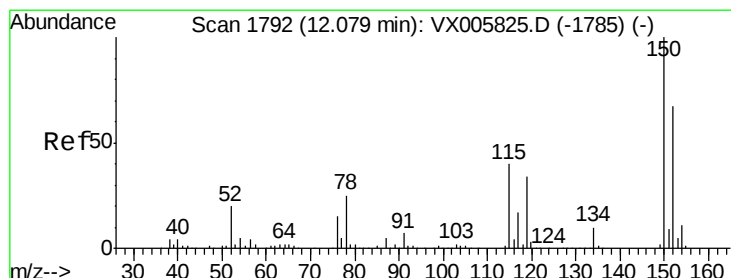
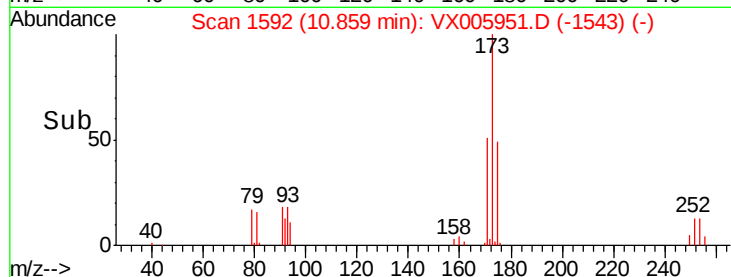
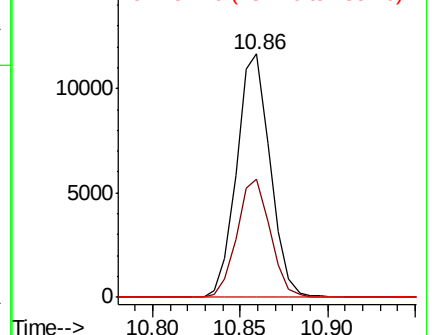
254 0.0 0.2 0.2#

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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: VX005951.D

Acq: 13 Nov 2018 16:20

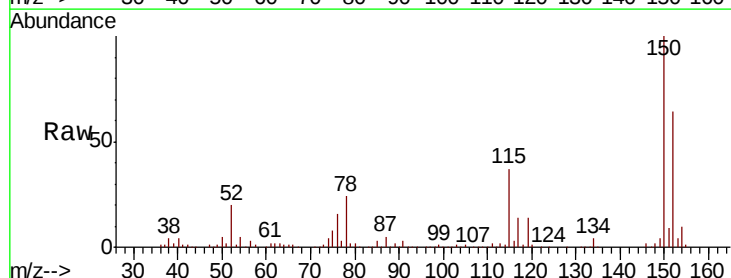
Tgt Ion:152 Resp: 67394

Ion Ratio Lower Upper

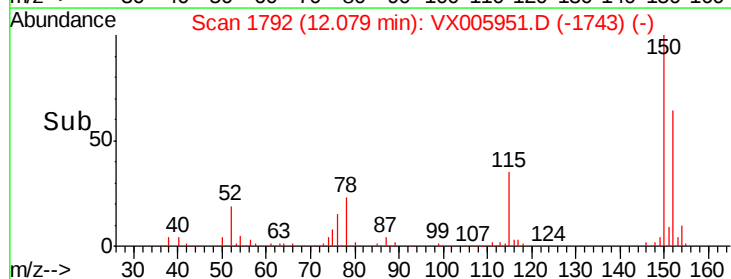
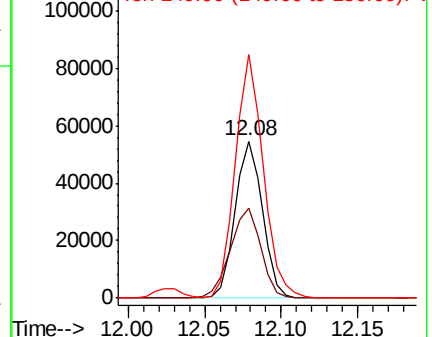
152 100

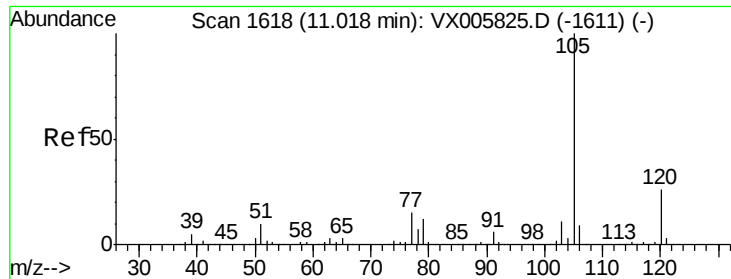
115 64.3 39.4 118.1

150 160.1 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: 21.430 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 105 Resp: 83521

Ion Ratio Lower Upper

105 100

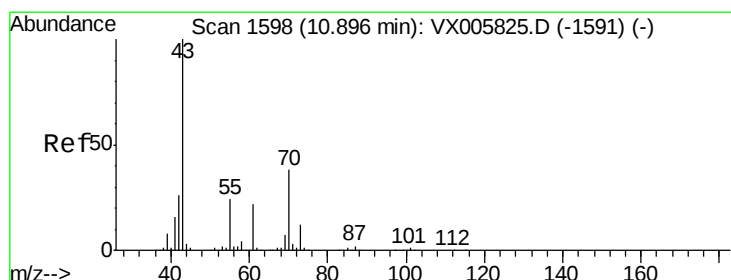
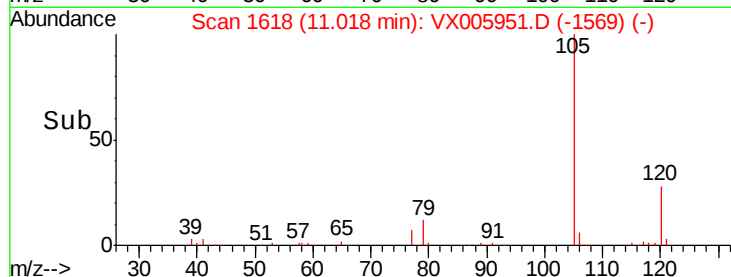
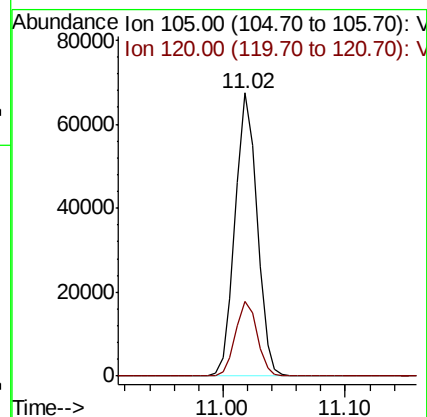
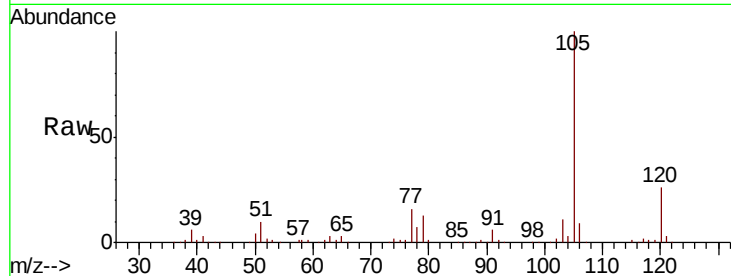
120 26.2 13.1 39.3

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#74

N-ethyl acetate

Concen: 19.033 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Tgt Ion: 43 Resp: 39884

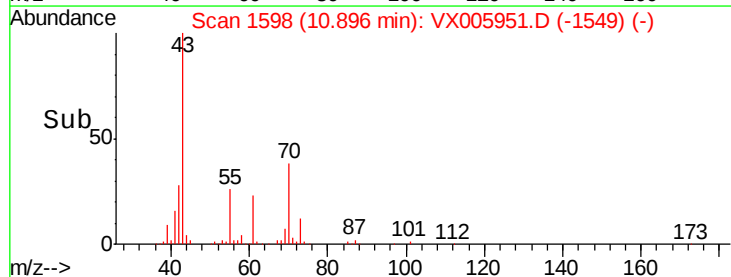
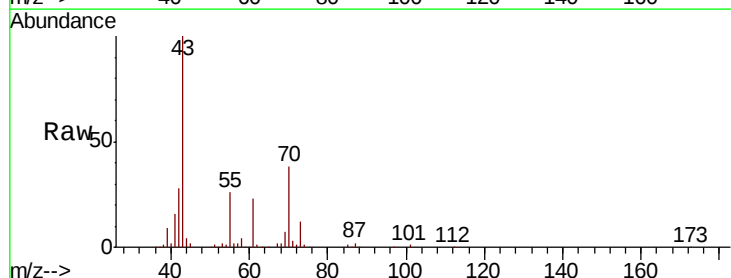
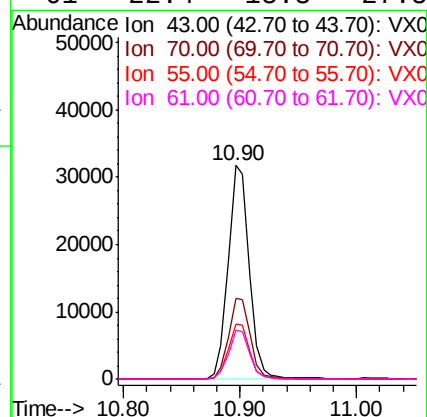
Ion Ratio Lower Upper

43 100

70 38.5 31.6 47.4

55 25.9 19.7 29.5

61 22.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.773 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

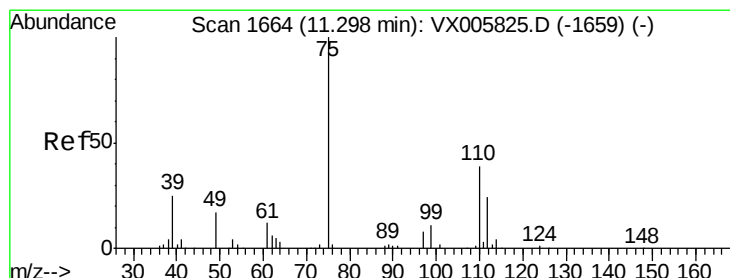
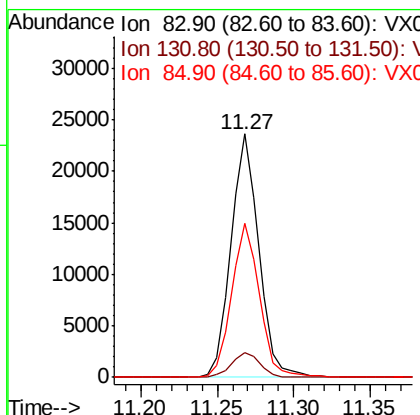
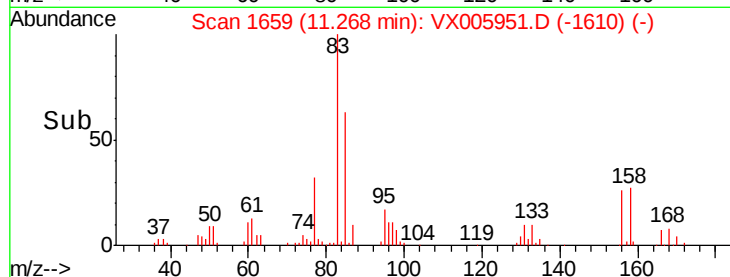
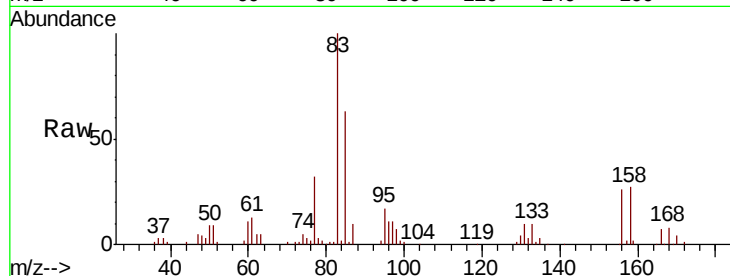
ClientSampleId :

VX1113WBSD01

Tot Ion:	83	Resp:	29715
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.9
85	63.2	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 21.213 ug/l m

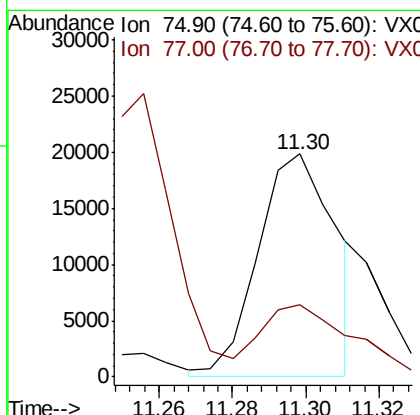
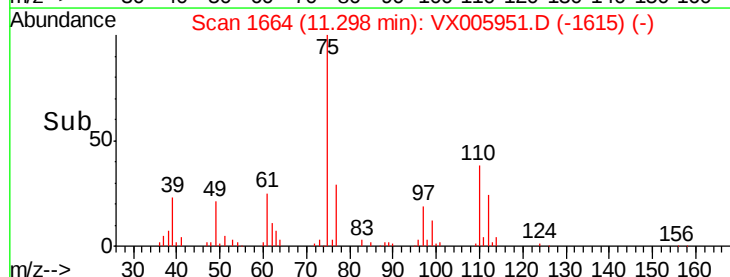
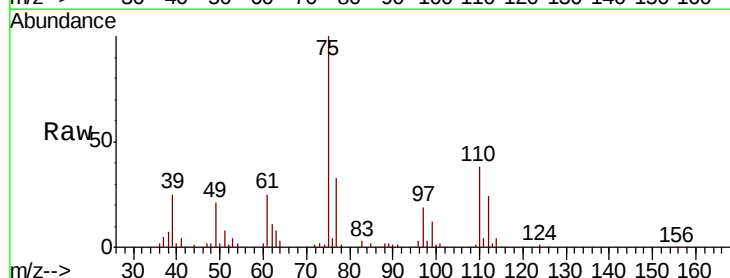
RT: 11.30 min Scan# 1664

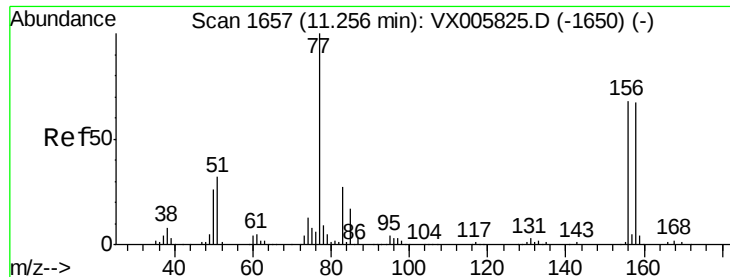
Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Tgt Ion:	75	Resp:	29111
Ion Ratio	Lower	Upper	
75	100		
77	38.6	20.5	61.6





#77

Bromobenzene

Concen: 20.546 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion:156 Resp: 22570

Ion Ratio Lower Upper

156 100

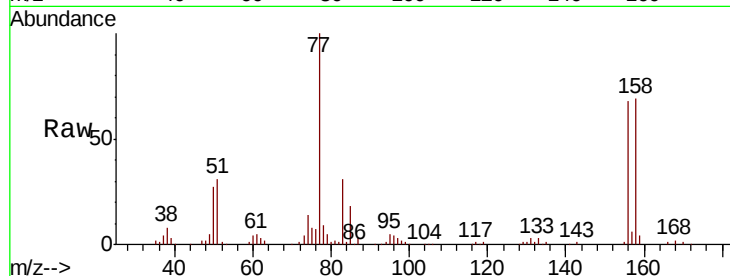
77 150.0 74.8 224.4

158 98.1 49.1 147.3

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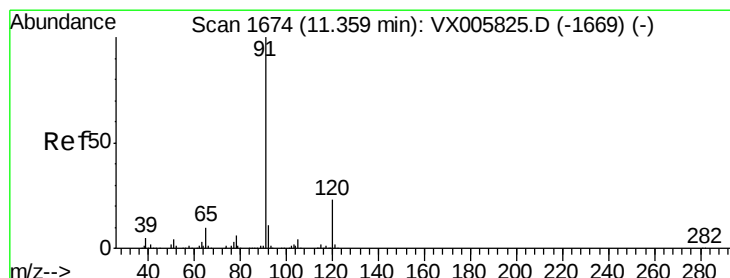
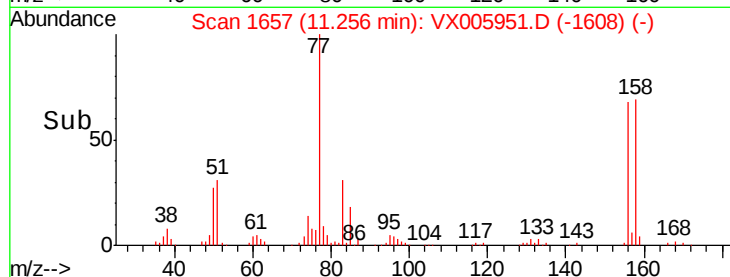
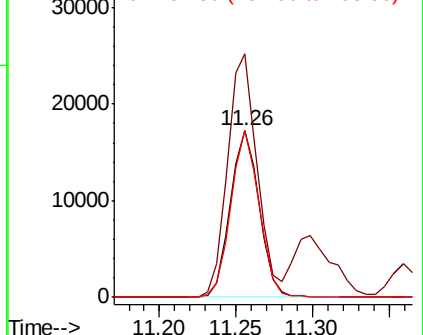
11/14/2018 9:51:32 AM



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: 21.248 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005951.D

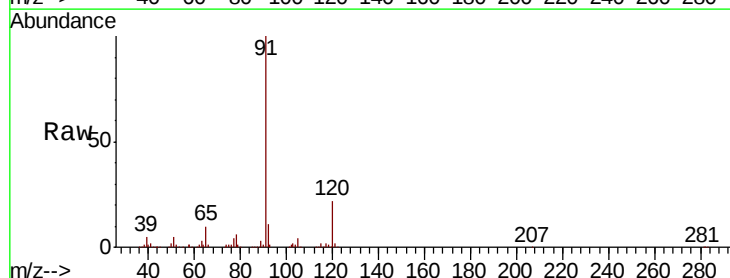
Acq: 13 Nov 2018 16:20

Tgt Ion: 91 Resp: 97595

Ion Ratio Lower Upper

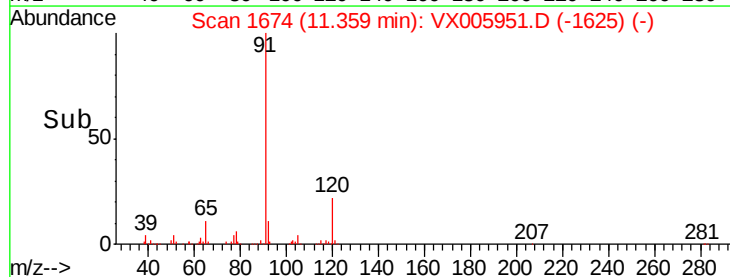
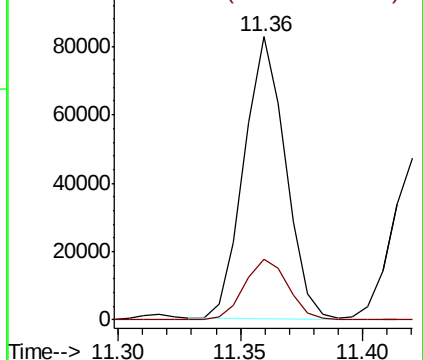
91 100

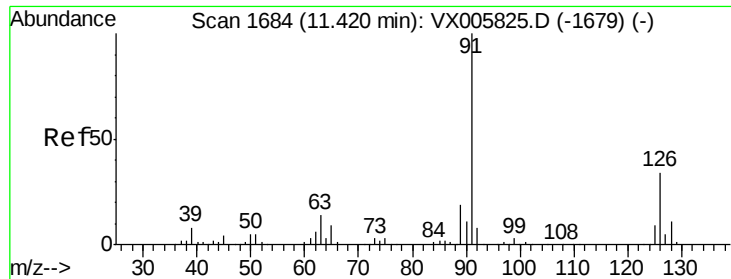
120 22.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.222 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 91 Resp: 58918

Ion Ratio Lower Upper

91 100

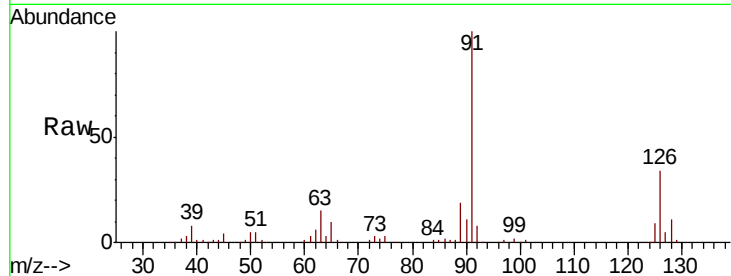
126 34.3 17.3 52.0

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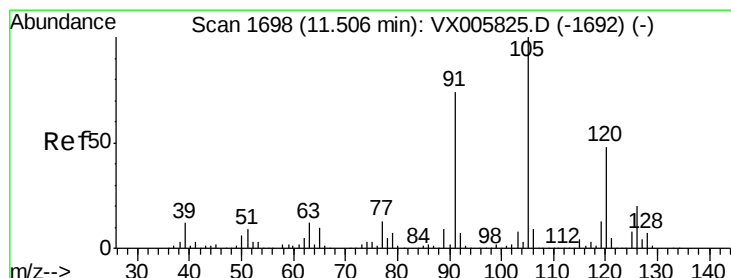
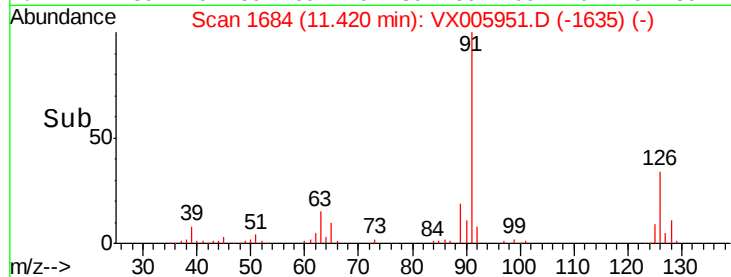
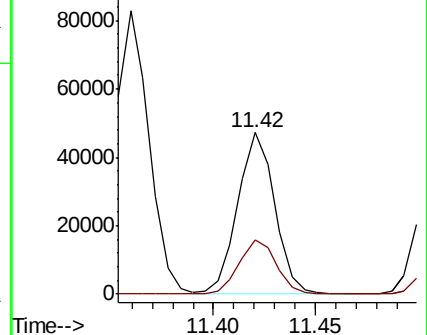
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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.659 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005951.D

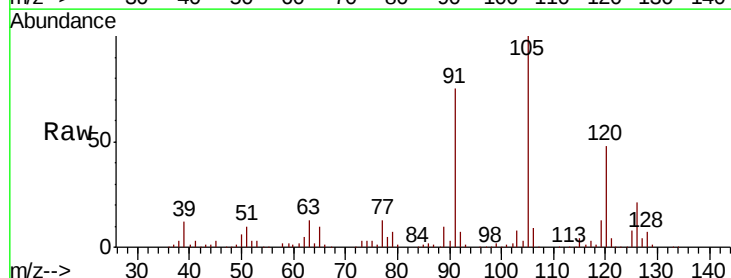
Acq: 13 Nov 2018 16:20

Tgt Ion: 105 Resp: 71733

Ion Ratio Lower Upper

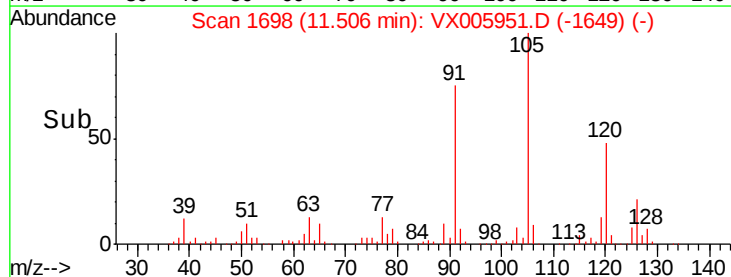
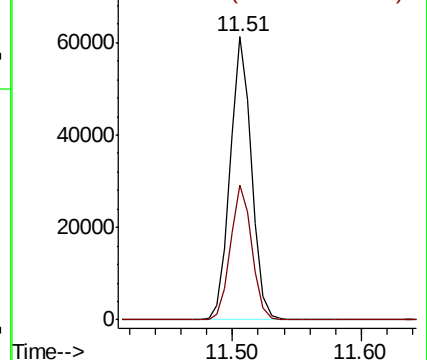
105 100

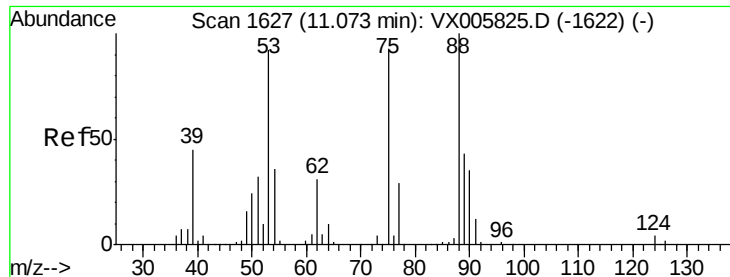
120 47.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)





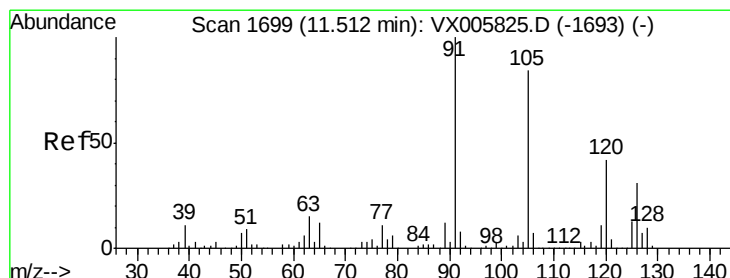
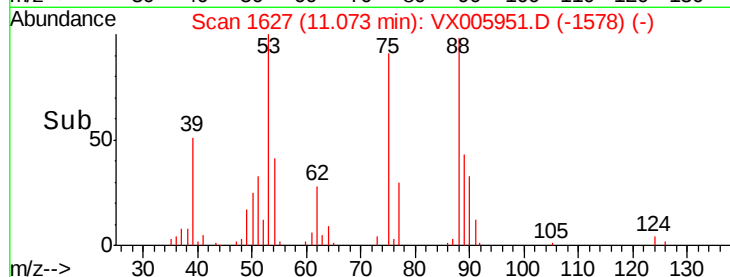
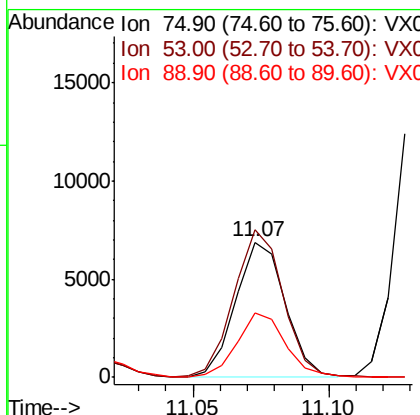
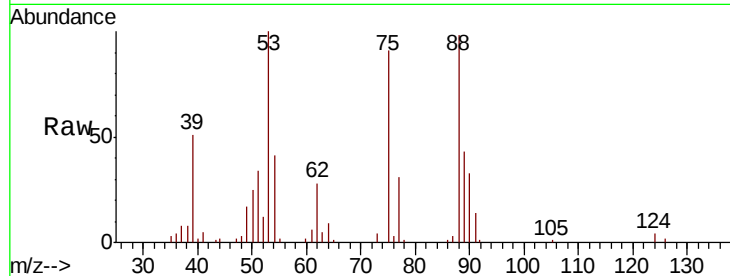
#81
trans-1,4-Dichloro-2-butene
Concen: 20.266 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion: 75 Resp: 8726
Ion Ratio Lower Upper
75 100
53 108.6 80.2 120.2
89 46.4 39.8 59.8

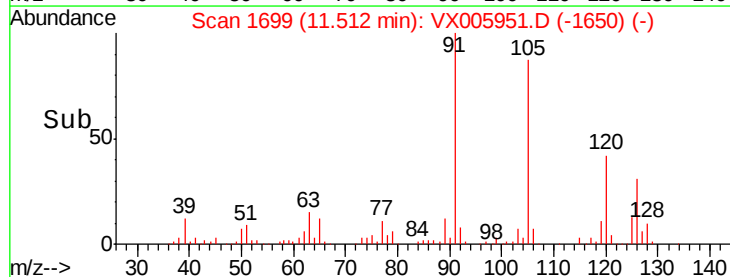
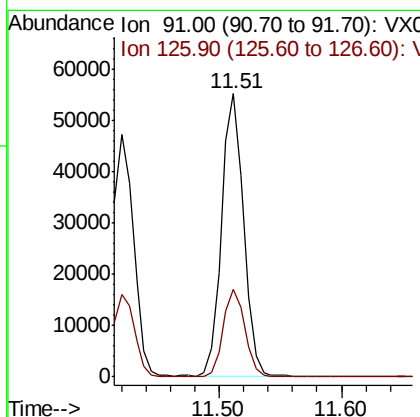
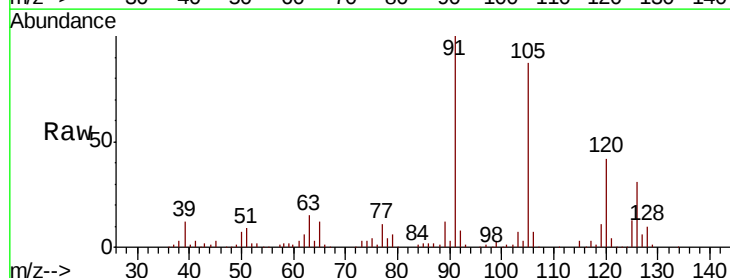
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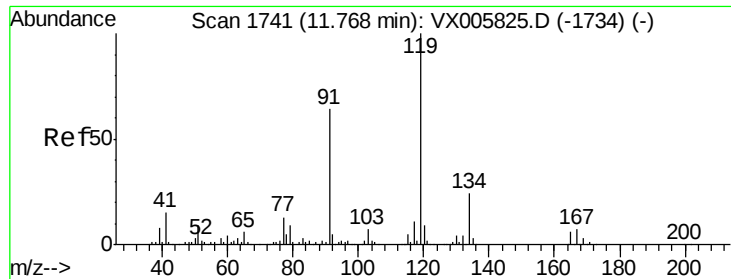
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#82
4-Chlorotoluene
Concen: 21.193 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion: 91 Resp: 69342
Ion Ratio Lower Upper
91 100
126 30.5 15.2 45.6





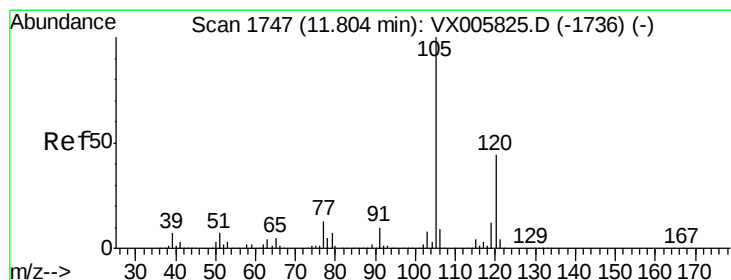
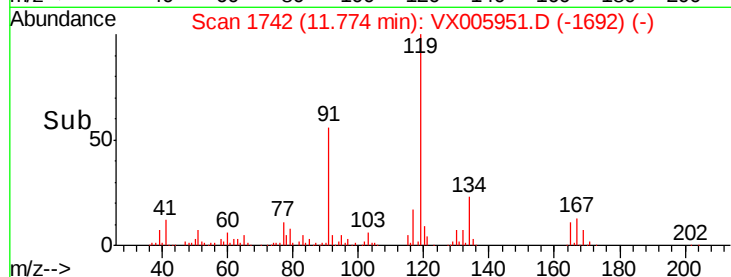
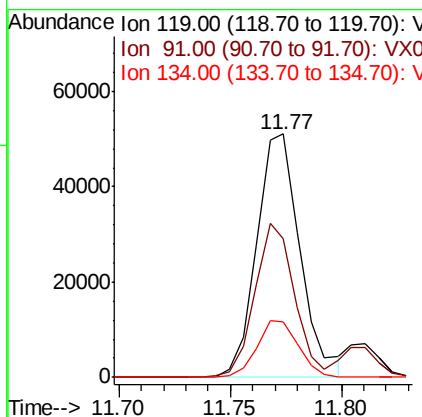
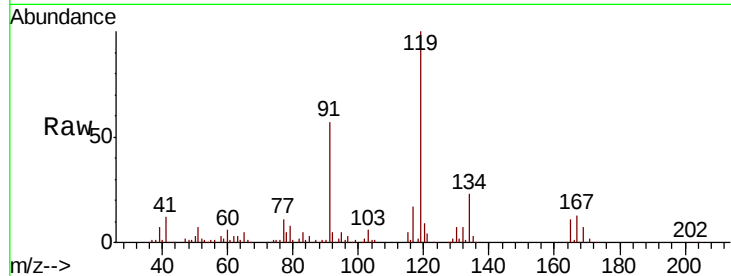
#83
tert-Butylbenzene
Concen: 20.702 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	28.5	85.5
134	22.4	11.3	33.8

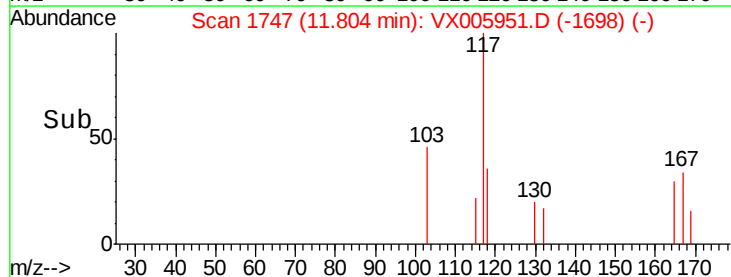
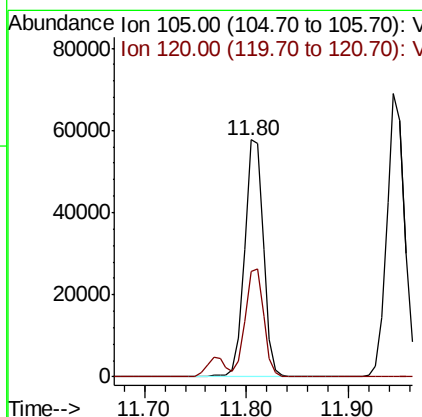
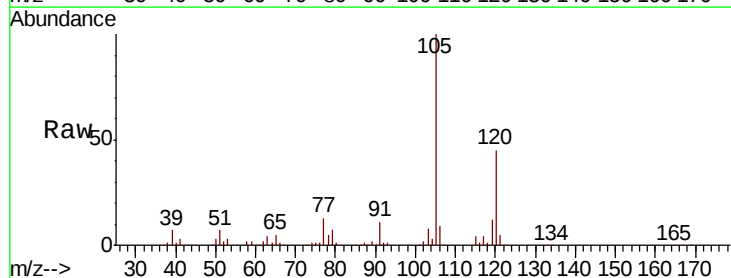
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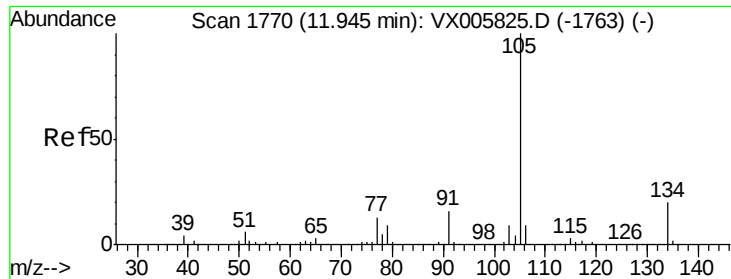
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11/14/2018 9:51:32 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.044 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.748 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion:105 Resp: 85012

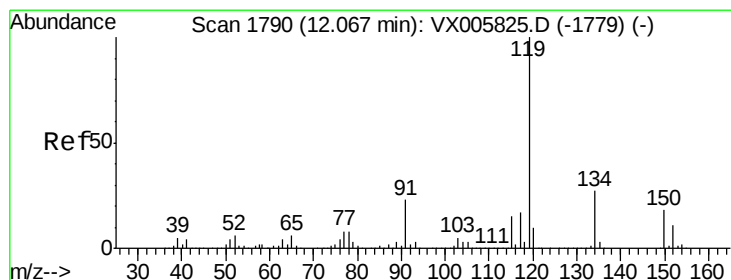
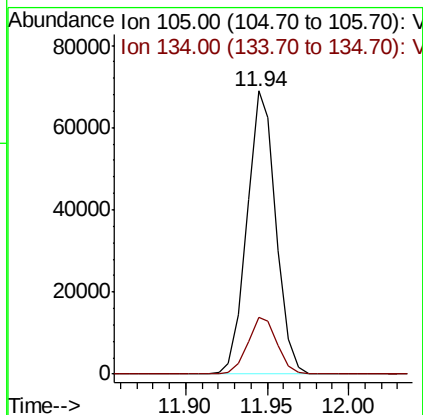
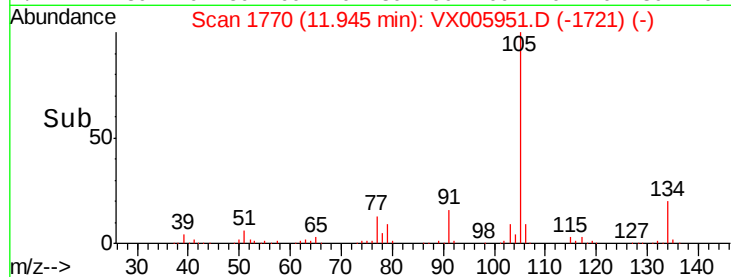
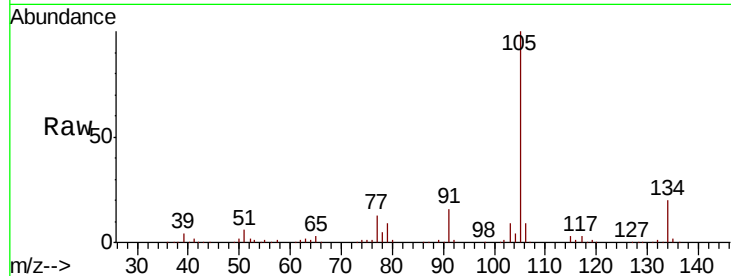
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 20.862 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

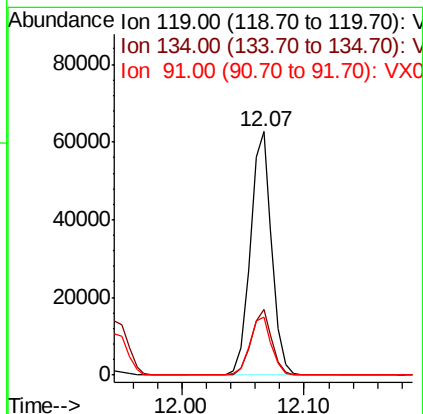
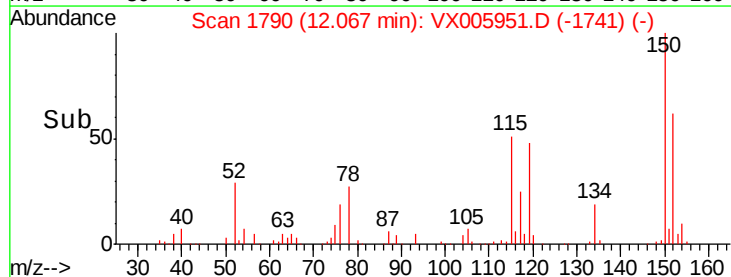
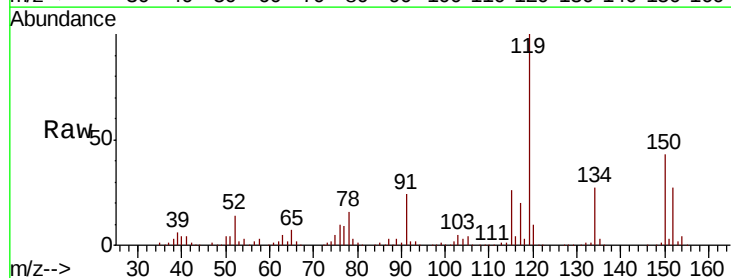
Tgt Ion:119 Resp: 75712

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.4 11.4 34.2





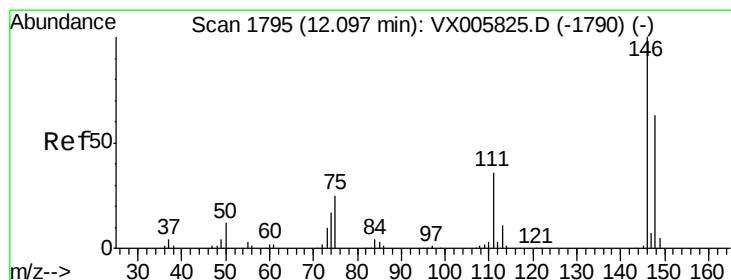
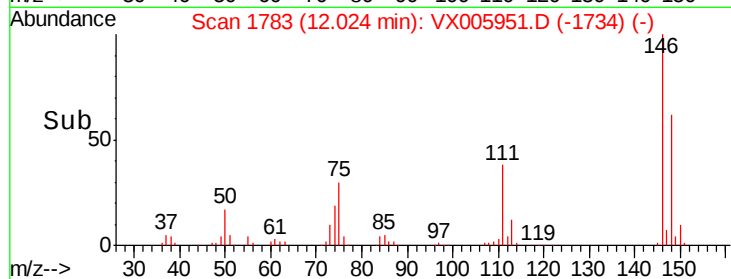
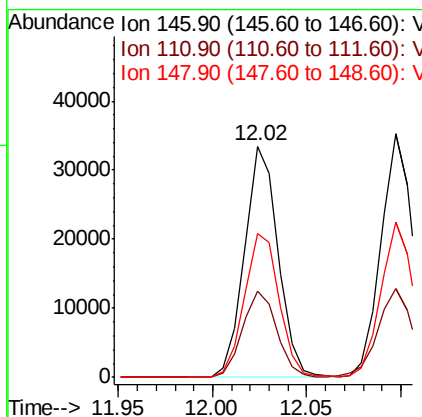
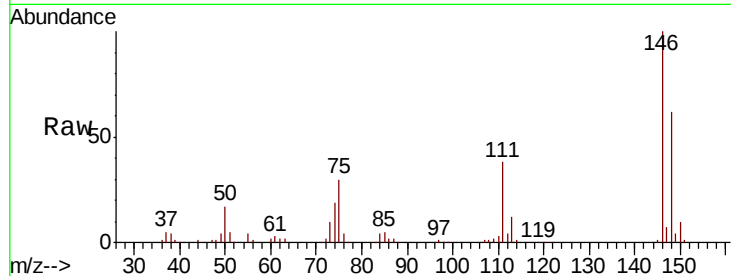
#87
 1,3-Dichlorobenzene
 Concen: 19.620 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	64.8	31.9	95.9

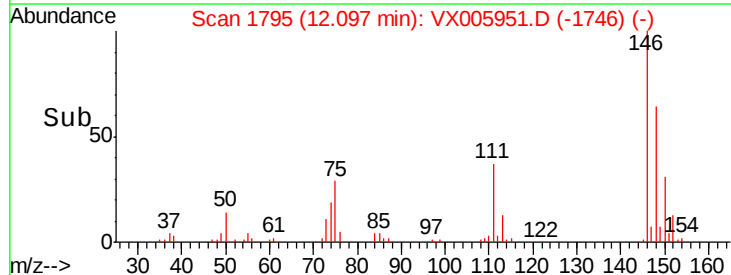
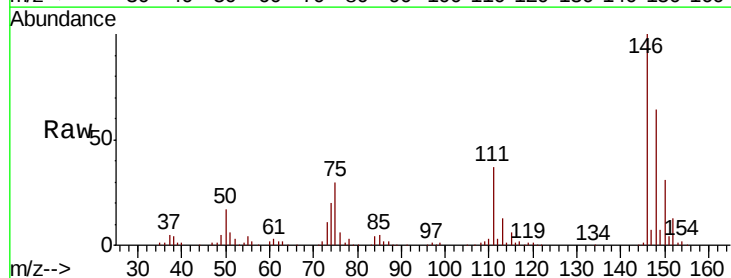
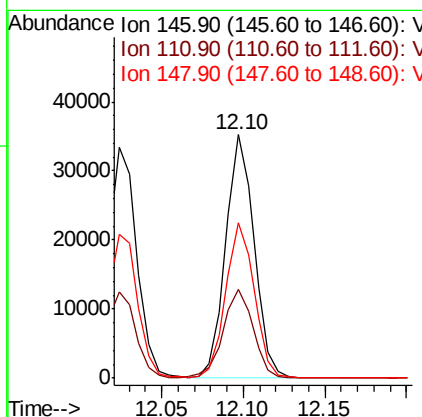
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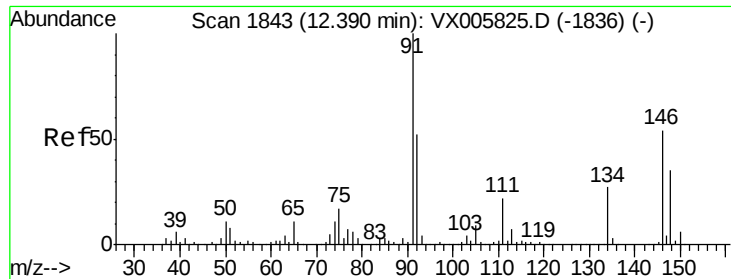
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#88
 1,4-Dichlorobenzene
 Concen: 19.862 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.8
148	64.2	32.1	96.3





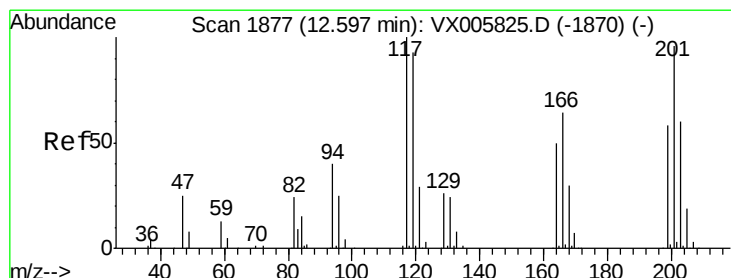
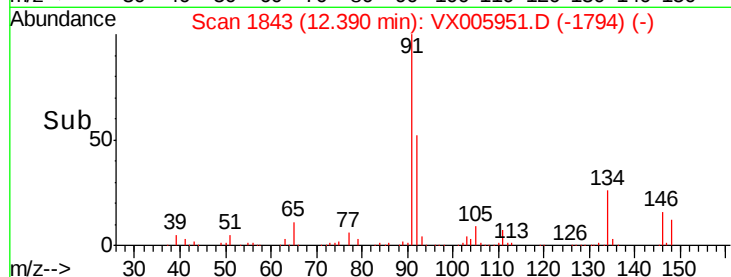
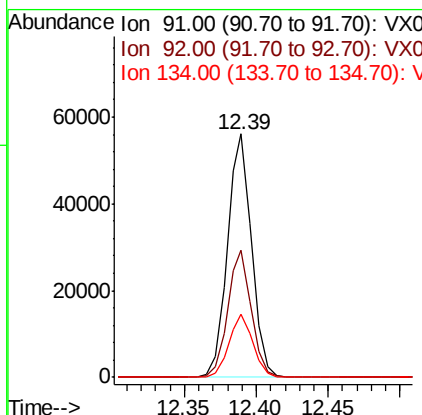
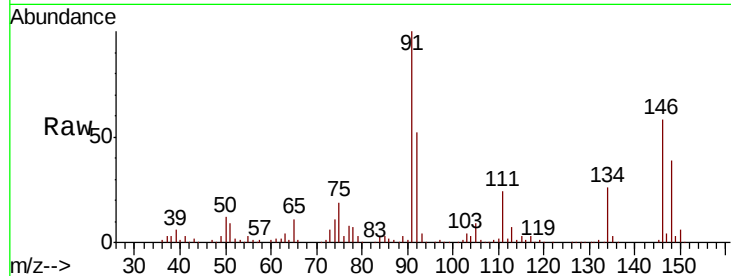
#89
n-Butylbenzene
Concen: 19.661 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.1	78.2
134	25.5	13.1	39.3

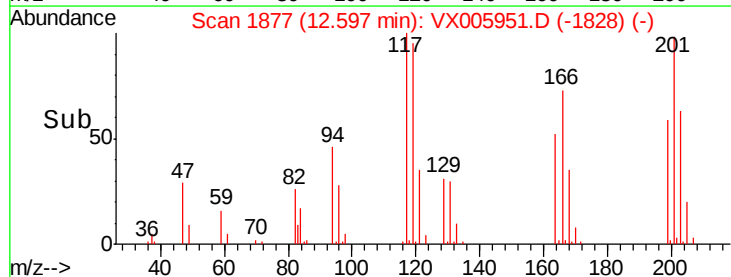
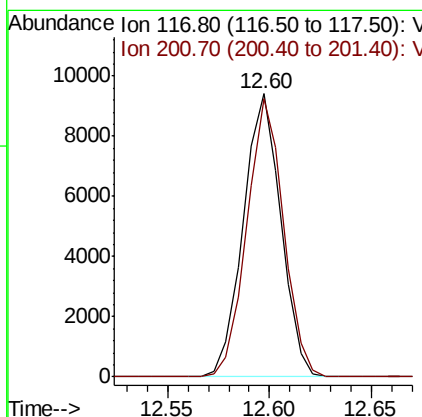
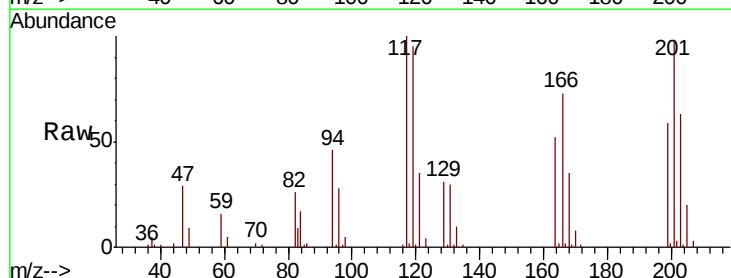
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#90
Hexachloroethane
Concen: 19.852 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005951.D
Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.1	47.9	143.6





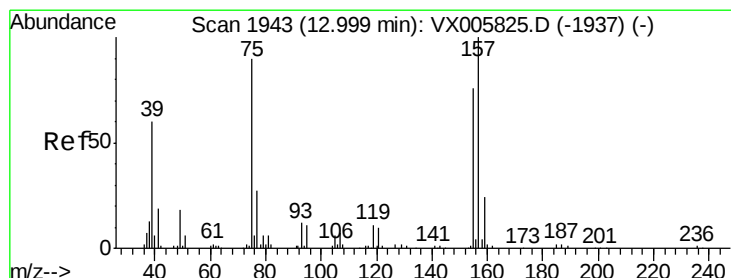
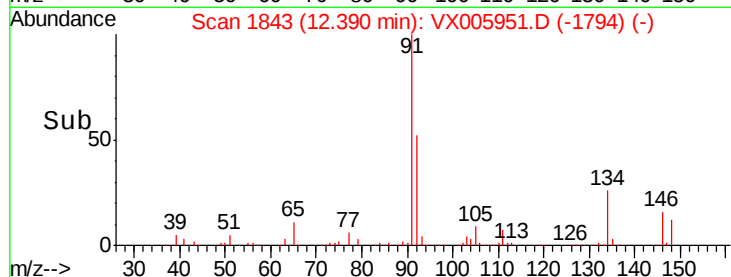
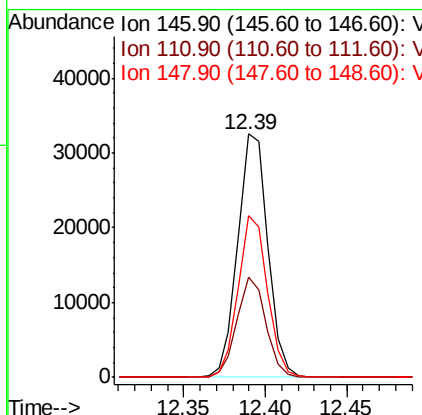
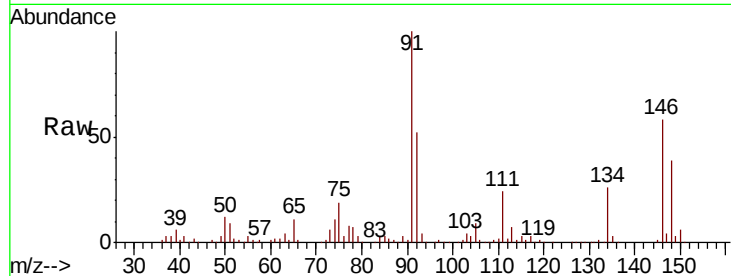
#91
 1,2-Dichlorobenzene
 Concen: 19.880 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.7	32.2	96.6

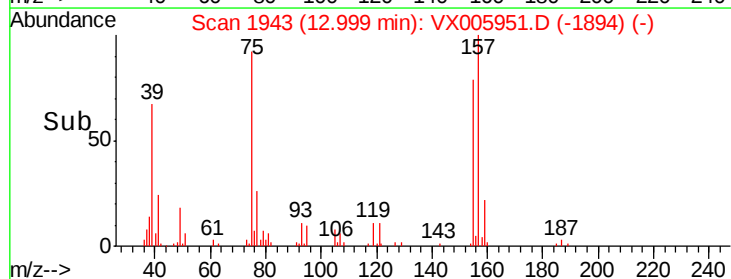
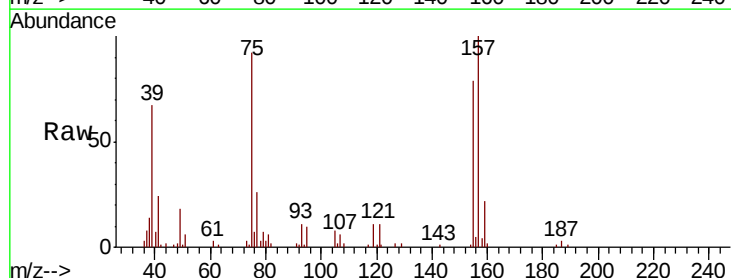
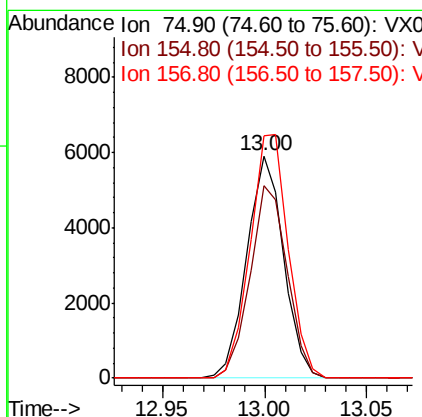
Manual Integrations
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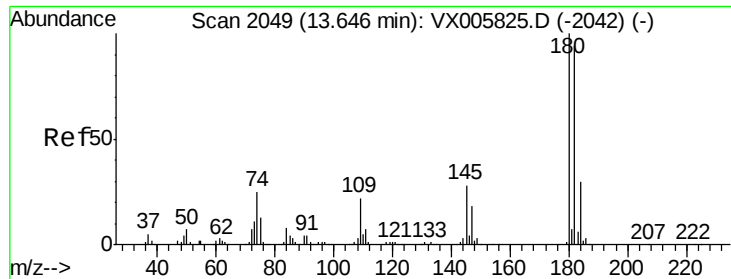
MMDadoda
 11/14/2018 9:51:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.210 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	45.4	136.1
157	113.6	57.4	172.0





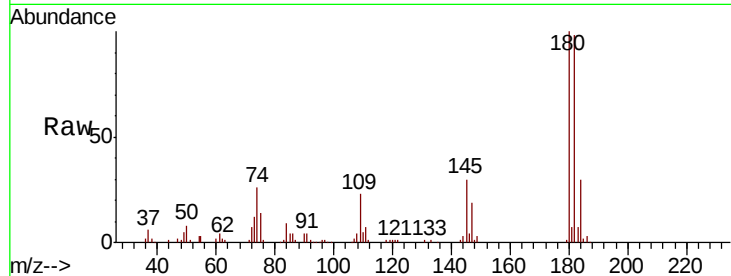
#93
 1,2,4-Trichlorobenzene
 Concen: 20.029 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.6	142.8
145	28.9	14.1	42.2

Manual Integrations
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 11/14/2018 9:51:32 AM

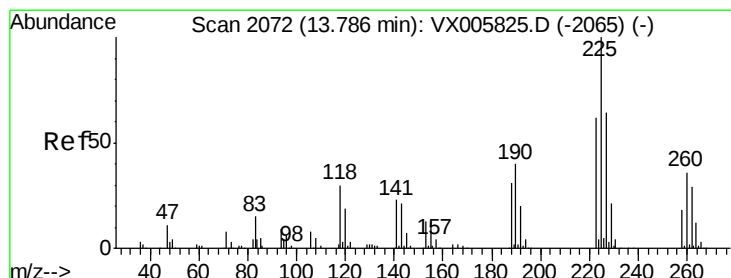
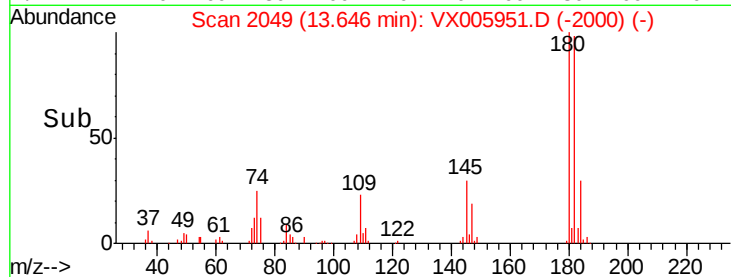
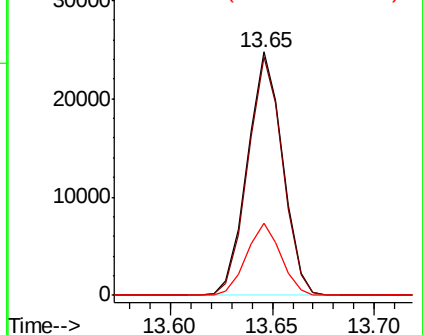


Abundance

Ion 179.80 (179.50 to 180.50): V

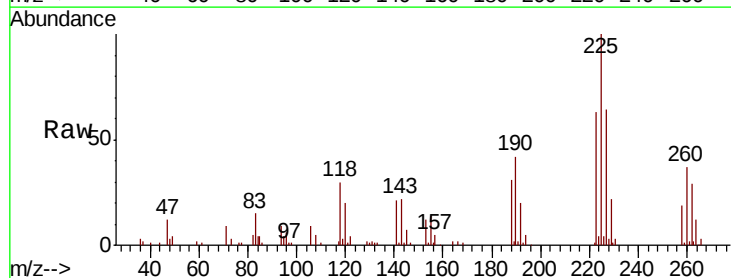
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.697 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005951.D
 Acq: 13 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.7	95.1
227	63.3	32.3	96.9

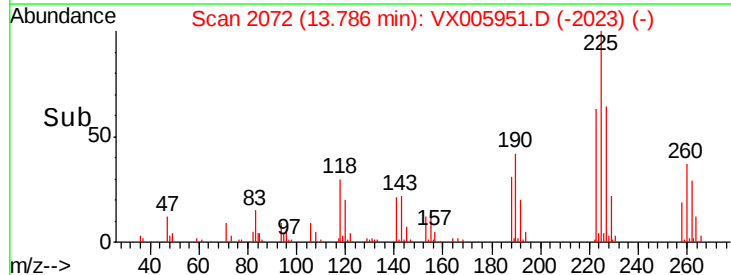
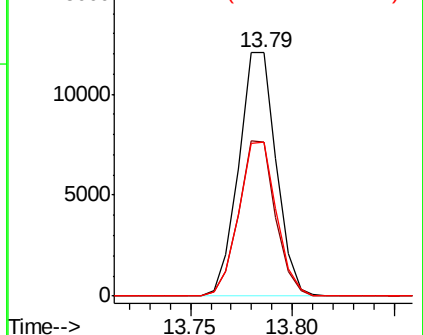


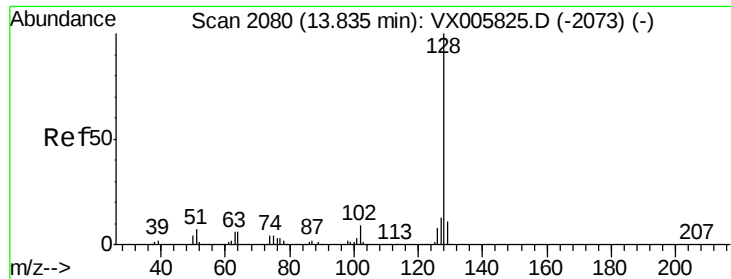
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.540 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Instrument :

MSVOA_X

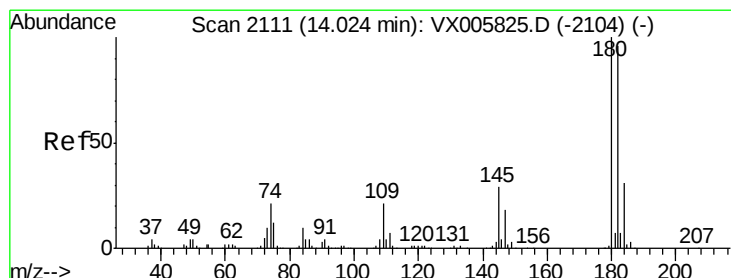
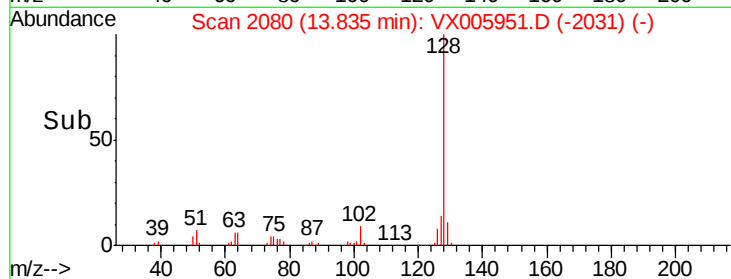
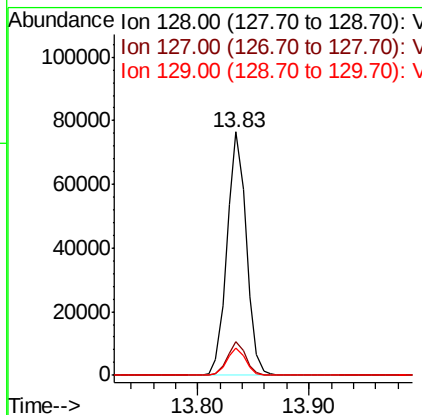
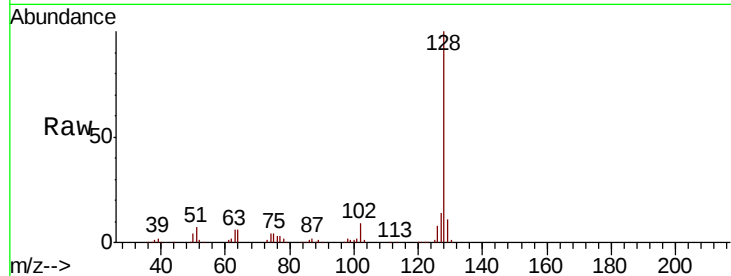
ClientSampleId :

VX1113WBSD01

Tot Ion:	128	Resp:	91181
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/14/2018 9:51:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.722 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005951.D

Acq: 13 Nov 2018 16:20

Tgt Ion:	180	Resp:	31387
Ion Ratio	Lower	Upper	
180	100		
182	92.8	48.0	144.2
145	29.5	15.1	45.3

