

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX101718\
 Data File : VX005412.D
 Acq On : 18 Oct 2018 01:34
 Operator : JC/MD
 Sample : J5569-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:24:00 PM

Quant Time: Oct 19 02:32:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	235959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	346377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186058	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	130613	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	5.50	113	109371	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	8.71	98	397920	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.14	95	148635	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	83473	45.25	ug/l	97
3) Chloromethane	1.32	50	124630	46.62	ug/l	99
4) Vinyl Chloride	1.41	62	137844	50.90	ug/l	91
5) Bromomethane	1.64	94	80540	52.63	ug/l	99
6) Chloroethane	1.71	64	84884	53.42	ug/l	95
7) Trichlorofluoromethane	1.92	101	175920	48.68	ug/l	96
8) Diethyl Ether	2.19	74	94011	60.92	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	97891	46.93	ug/l	94
10) Methyl Iodide	2.51	142	139187	60.32	ug/l	100
11) Tert butyl alcohol	3.07	59	194778	263.67	ug/l	99
12) 1,1-Dichloroethene	2.37	96	110353	53.40	ug/l	98
13) Acrolein	2.29	56	85222	180.18	ug/l	97
14) Allyl chloride	2.73	41	230077	50.71	ug/l	95
15) Acrylonitrile	3.15	53	439466	262.53	ug/l	97
16) Acetone	2.45	43	383315	253.16	ug/l	97
17) Carbon Disulfide	2.57	76	290028	46.33	ug/l	99
18) Methyl Acetate	2.78	43	233183	54.13	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	411090	56.48	ug/l	96
20) Methylene Chloride	2.85	84	126899	57.72	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	115467	50.42	ug/l	98
22) Diisopropyl ether	3.87	45	395622	51.91	ug/l	91
23) Vinyl Acetate	3.82	43	1724083	258.83	ug/l	96
24) 1,1-Dichloroethane	3.70	63	231811	53.07	ug/l	98
25) 2-Butanone	4.70	43	571727	258.07	ug/l	96
26) 2,2-Dichloropropane	4.58	77	132612	40.60	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	125964	50.61	ug/l	99
28) Bromochloromethane	5.02	49	100827	50.64	ug/l	96
29) Tetrahydrofuran	5.15	42	376881	266.70	ug/l	93
30) Chloroform	5.21	83	212142	52.33	ug/l	98
31) Cyclohexane	5.57	56	159409	44.28	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	178942	50.73	ug/l	98
36) 1,1-Dichloropropene	5.80	75	145212	43.29	ug/l	100
37) Ethyl Acetate	4.85	43	198404	45.99	ug/l	98
38) Carbon Tetrachloride	5.78	117	153582	45.56	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	154502	42.55	ug/l	97
40) Benzene	6.14	78	461907	45.90	ug/l	99
41) Methacrylonitrile	5.06	41	114831	49.65	ug/l	97
42) 1,2-Dichloroethane	6.20	62	171602	48.29	ug/l	96
43) Isopropyl Acetate	6.46	43	321731	55.98	ug/l	96
44) Trichloroethene	7.21	130	124096	48.27	ug/l	95
45) 1,2-Dichloropropane	7.51	63	127431	51.62	ug/l	98
46) Dibromomethane	7.66	93	84302	51.74	ug/l	98
47) Bromodichloromethane	7.90	83	161395	53.56	ug/l	99
48) Methyl methacrylate	7.77	41	162265	54.44	ug/l	95
49) 1,4-Dioxane	7.75	88	65961	959.47	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1096126	275.46	ug/l	97
52) Toluene	8.79	92	289474	52.58	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	175453	53.80	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	185271	52.43	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	127606	54.72	ug/l	96
56) Ethyl methacrylate	9.18	69	198024	58.25	ug/l	96
57) 1,3-Dichloropropane	9.37	76	209613	53.86	ug/l	99
59) 2-Hexanone	9.49	43	867302	270.96	ug/l	94
60) Dibromochloromethane	9.59	129	134510	55.80	ug/l	100
61) 1,2-Dibromoethane	9.67	107	131677	53.81	ug/l	99
64) Tetrachloroethene	9.34	164	116159	44.63	ug/l	99
65) Chlorobenzene	10.14	112	338555	49.23	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	126144	51.48	ug/l	98
67) Ethyl Benzene	10.25	91	552761	49.45	ug/l	98
68) m/p-Xylenes	10.36	106	432087	99.58	ug/l	96
69) o-Xylene	10.70	106	212777	50.85	ug/l	97
70) Styrene	10.71	104	360089	52.32	ug/l	98
71) Bromoform	10.86	173	115032	52.53	ug/l	99
73) Isopropylbenzene	11.02	105	564329	51.02	ug/l	100
74) N-amyl acetate	10.90	43	274930	51.54	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	212122	50.84	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	194261m	53.83	ug/l	
77) Bromobenzene	11.26	156	158804	50.21	ug/l	99
78) n-propylbenzene	11.36	91	641365	50.39	ug/l	100
79) 2-Chlorotoluene	11.42	91	389177	49.93	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	485758	51.29	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	56454	47.53	ug/l	97
82) 4-Chlorotoluene	11.51	91	459286	49.70	ug/l	100
83) tert-Butylbenzene	11.77	119	493495	51.45	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	504821	51.79	ug/l	98
85) sec-Butylbenzene	11.94	105	569702	50.19	ug/l	99
86) p-Isopropyltoluene	12.07	119	522245	50.90	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	291545	49.33	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	298213	49.33	ug/l	99
89) n-Butylbenzene	12.39	91	451128	48.43	ug/l	98
90) Hexachloroethane	12.60	117	85657	48.45	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	299760	49.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51089	50.20	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	229535	51.88	ug/l	99

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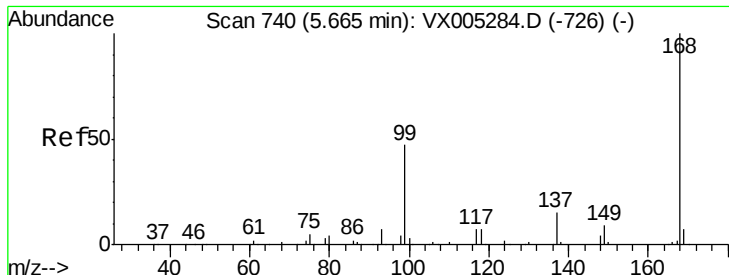
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	106377	45.52	ug/l	96
95) Naphthalene	13.83	128	716196	55.82	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	236731	52.29	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 168 Resp: 235959

Ion Ratio Lower Upper

168 100

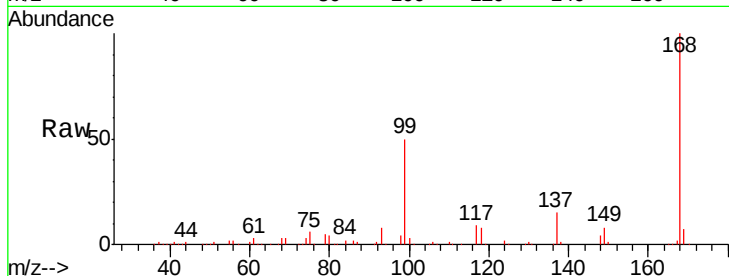
99 49.5 39.9 59.9

Manual Integrations

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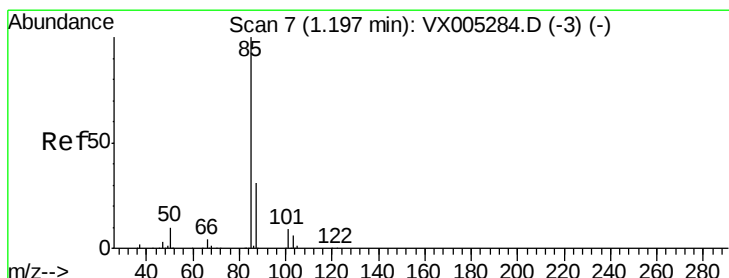
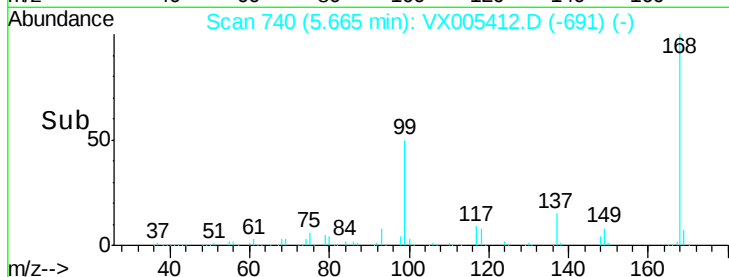
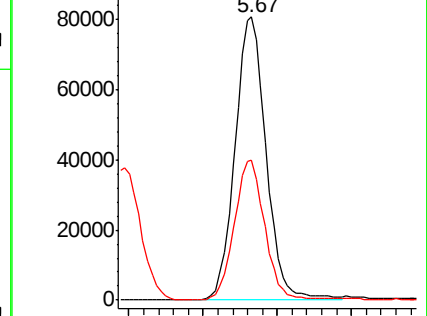
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.25 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005412.D

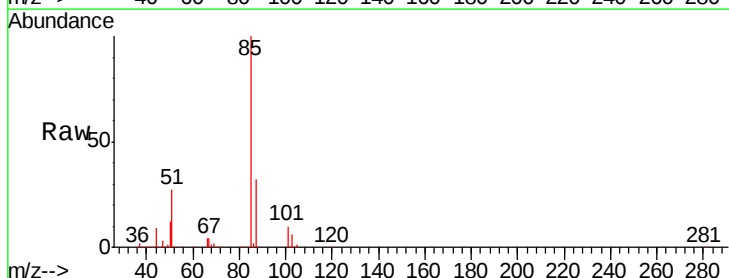
Acq: 18 Oct 2018 01:34

Tgt Ion: 85 Resp: 83473

Ion Ratio Lower Upper

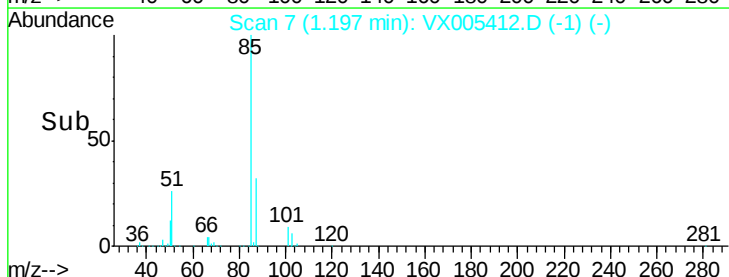
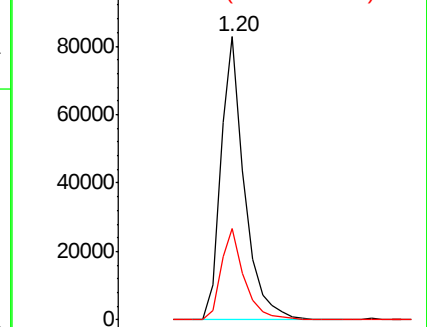
85 100

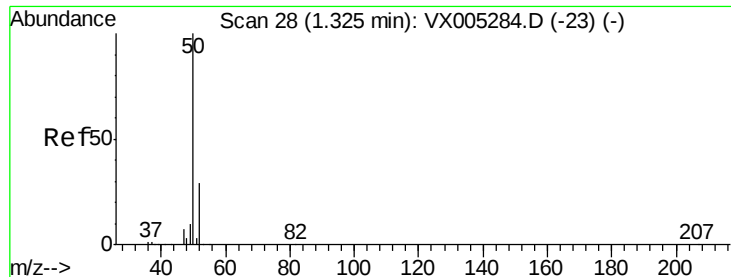
87 32.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.62 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 50 Resp: 124630

Ion Ratio Lower Upper

50 100

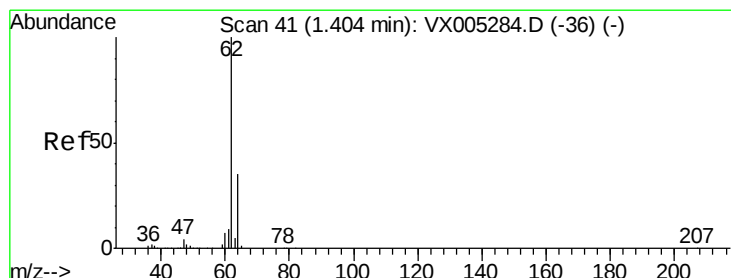
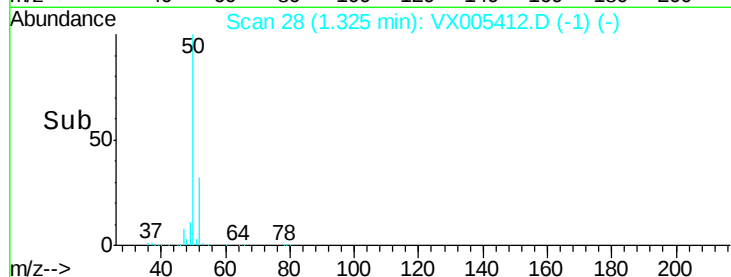
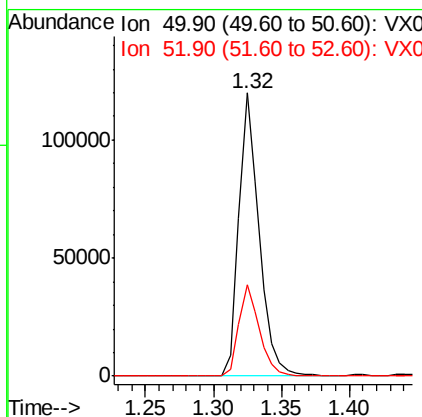
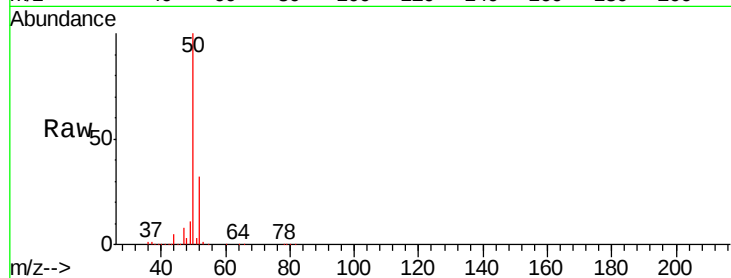
52 32.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.90 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005412.D

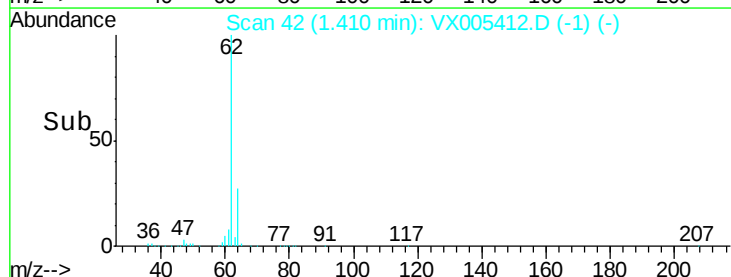
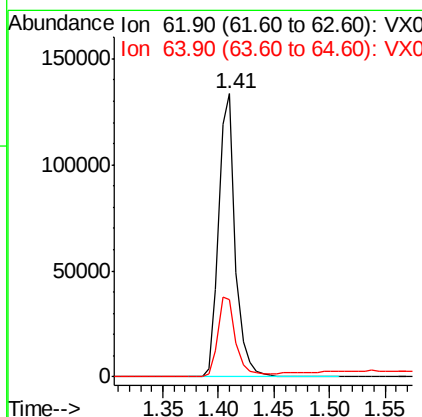
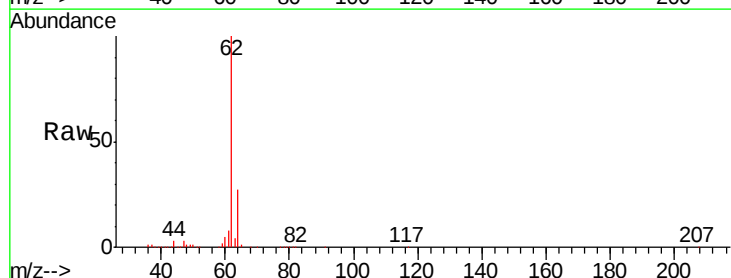
Acq: 18 Oct 2018 01:34

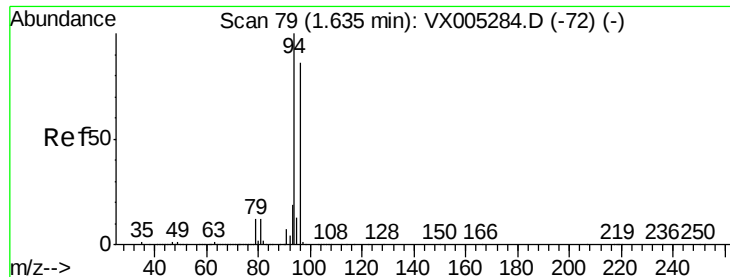
Tgt Ion: 62 Resp: 137844

Ion Ratio Lower Upper

62 100

64 27.4 25.8 38.8





#5

Bromomethane

Concen: 52.63 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

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ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 94 Resp: 80540

Ion Ratio Lower Upper

94 100

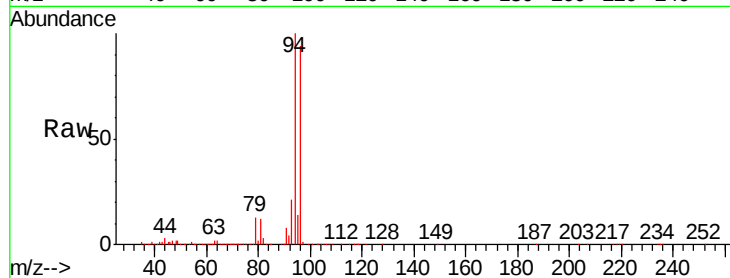
96 93.8 74.5 111.7

Manual Integrations

APPROVED

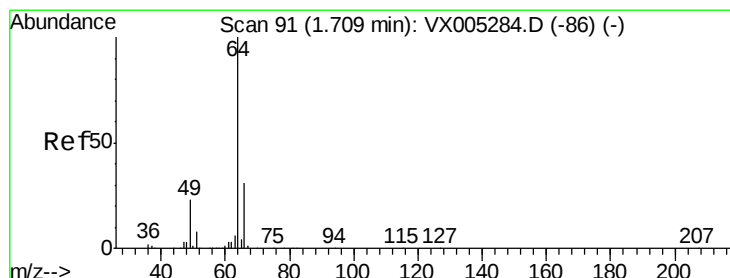
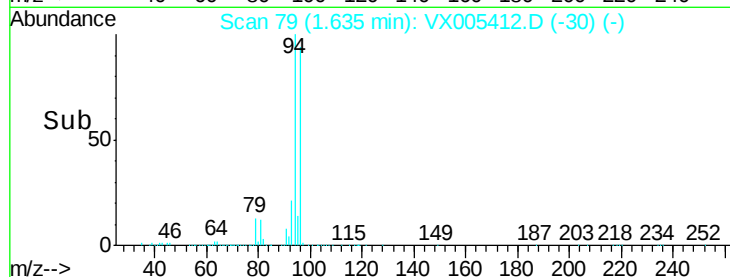
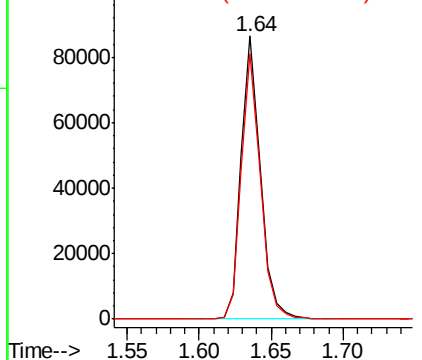
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 53.42 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005412.D

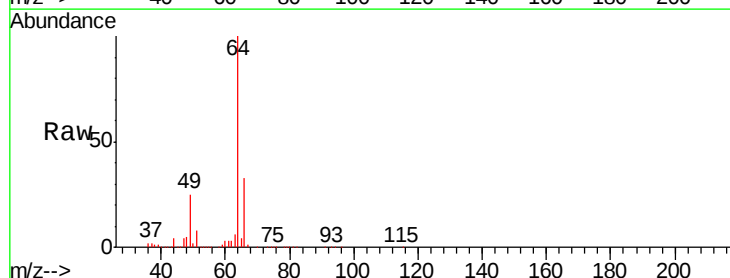
Acq: 18 Oct 2018 01:34

Tgt Ion: 64 Resp: 84884

Ion Ratio Lower Upper

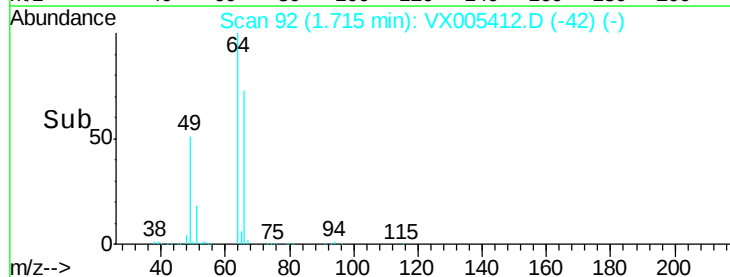
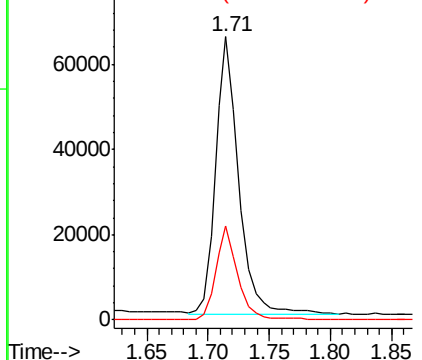
64 100

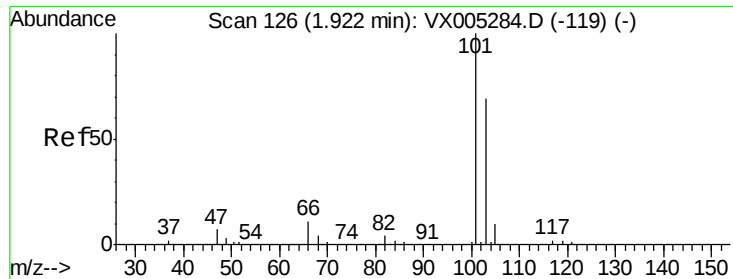
66 33.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

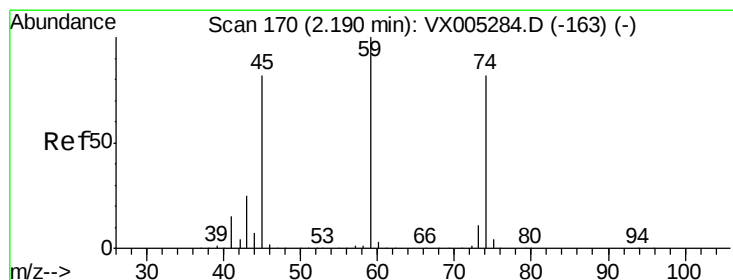
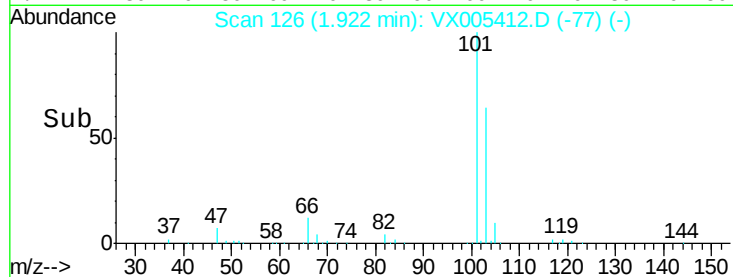
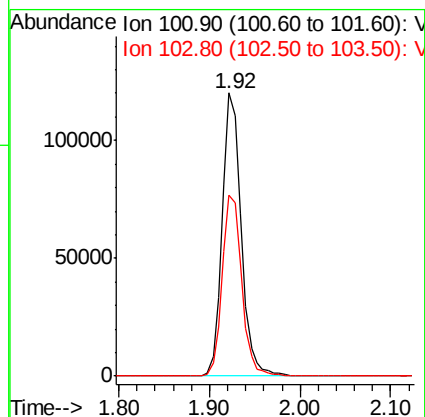
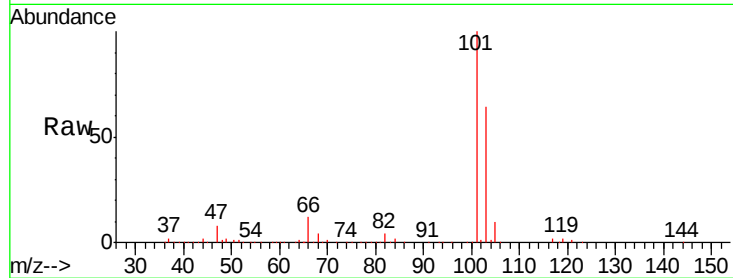
Trichlorofluoromethane
 Concen: 48.68 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.0	48.9	73.3

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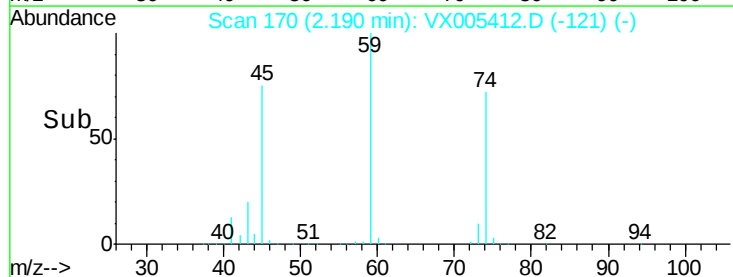
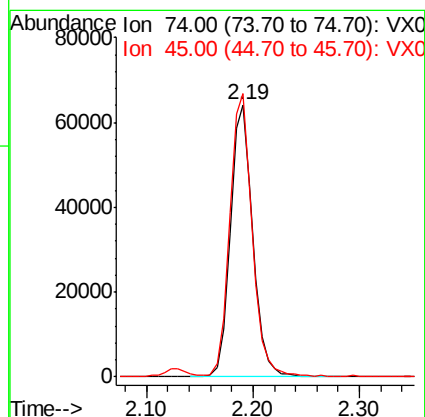
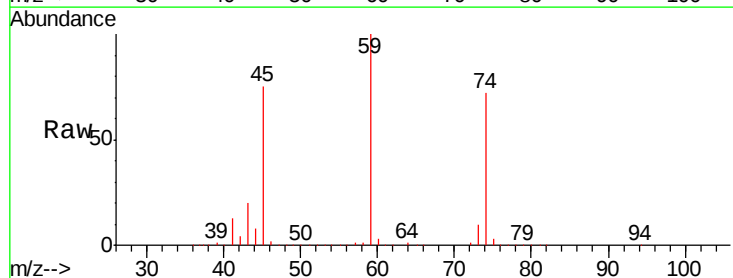
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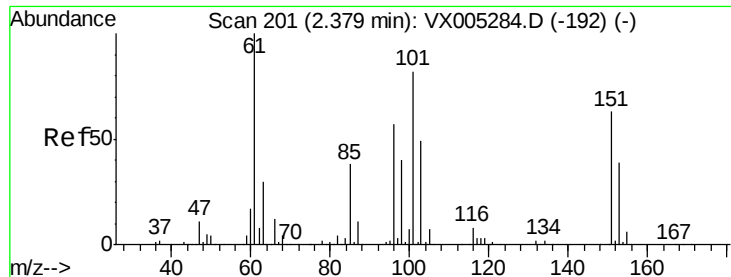


#8

Diethyl Ether
 Concen: 60.92 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.93 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

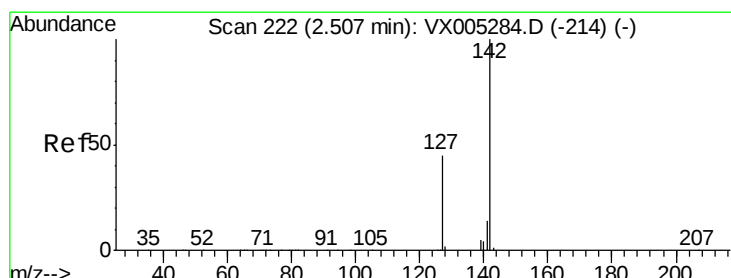
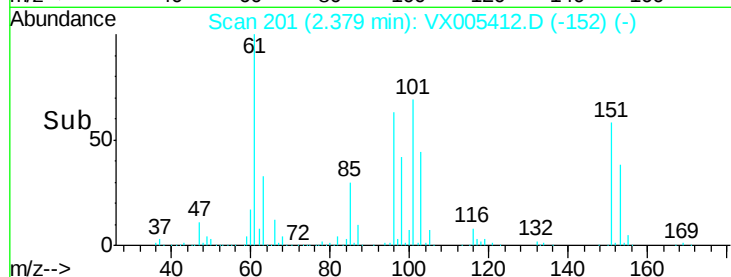
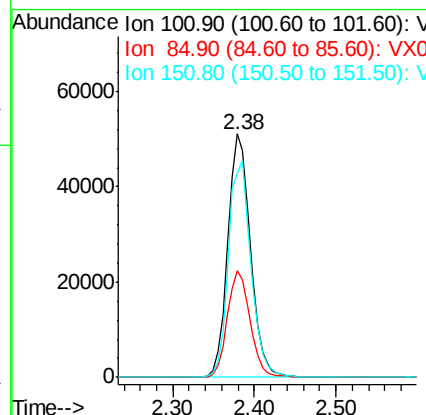
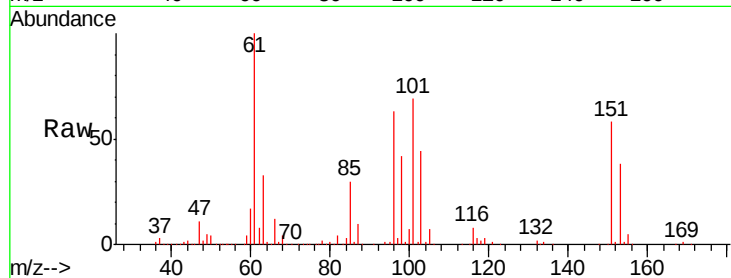
ClientSampleId :

RLF-GW-9SMSD

Tgt Ion:	101	Resp:	97891
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	88.8	65.0	97.6

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#10

Methyl Iodide

Concen: 60.32 ug/l

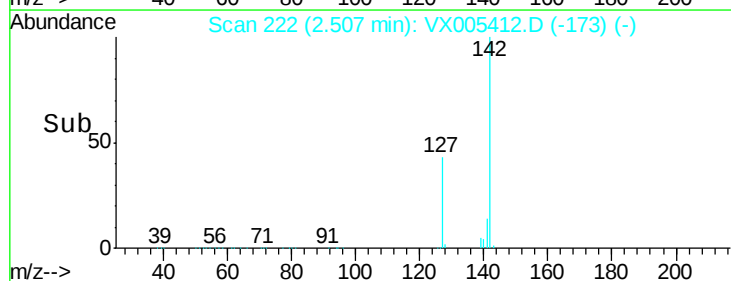
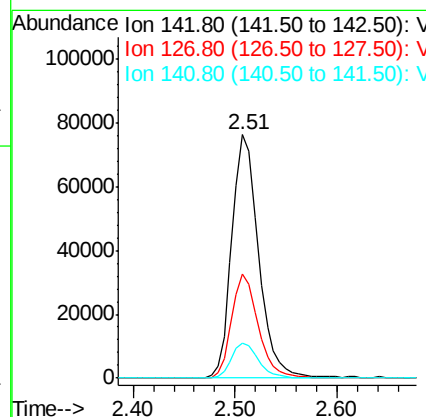
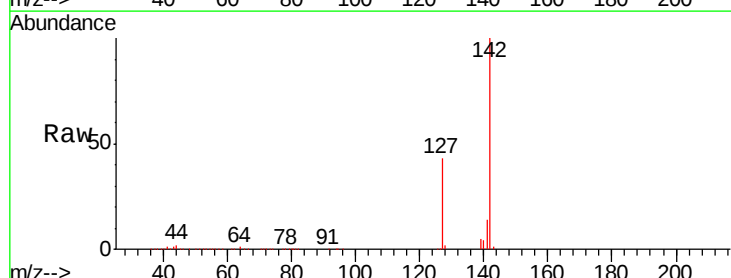
RT: 2.51 min Scan# 222

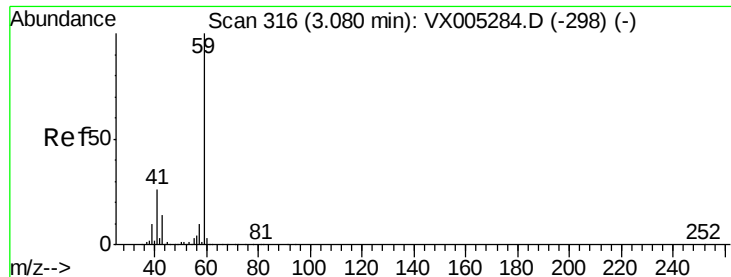
Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Tgt Ion:	142	Resp:	139187
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.8	50.6
141	14.4	11.4	17.0





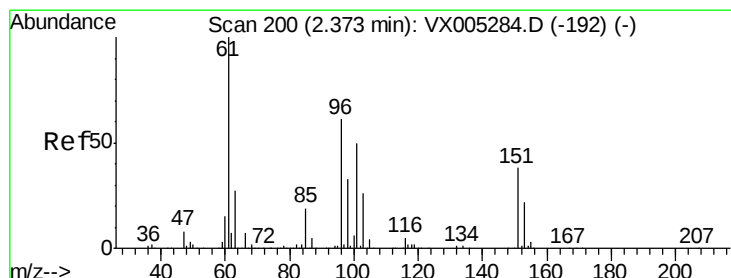
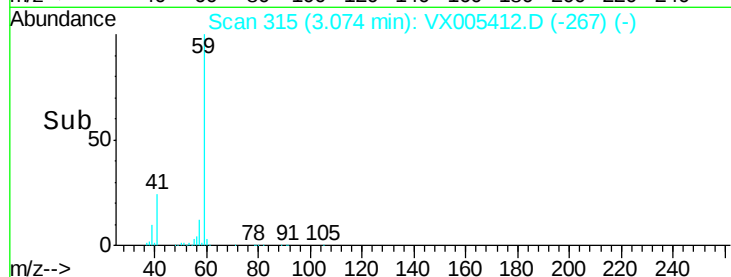
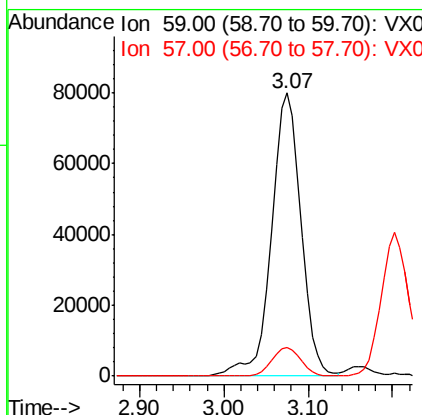
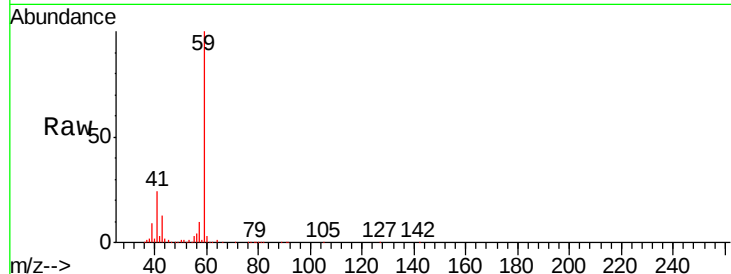
#11
Tert butyl alcohol
Concen: 263.67 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion: 59 Resp: 194778
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4

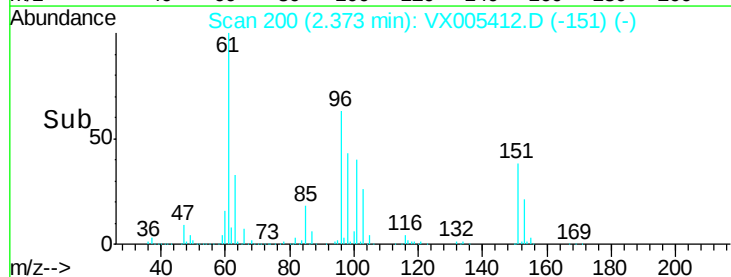
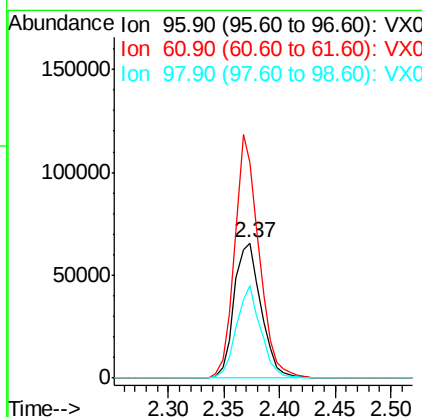
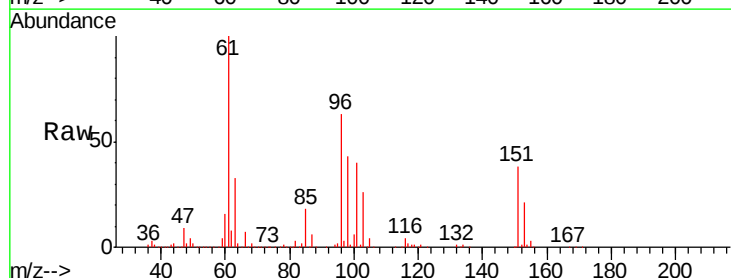
Manual Integrations
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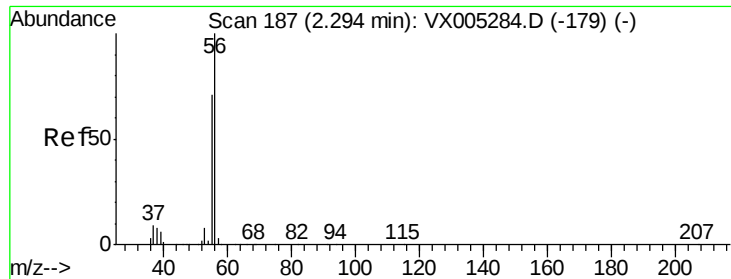
MMDadoda
10/19/2018 12:24:00 PM



#12
1,1-Dichloroethene
Concen: 53.40 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 96 Resp: 110353
Ion Ratio Lower Upper
96 100
61 159.5 128.8 193.2
98 68.1 52.2 78.2





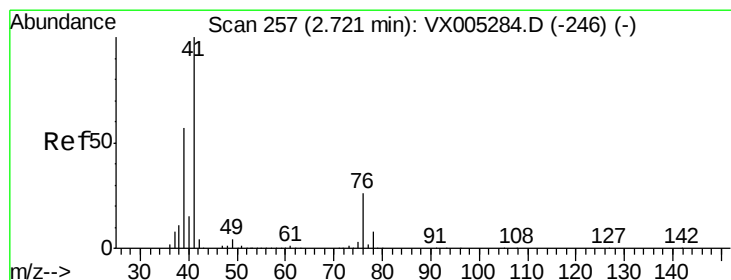
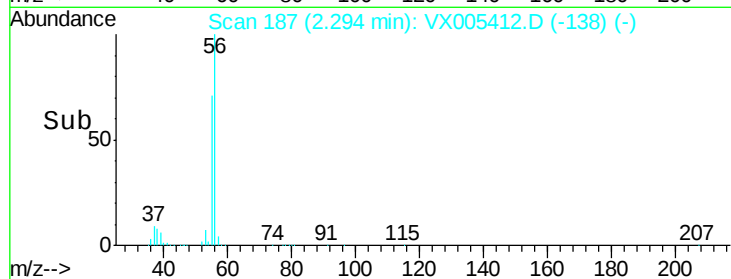
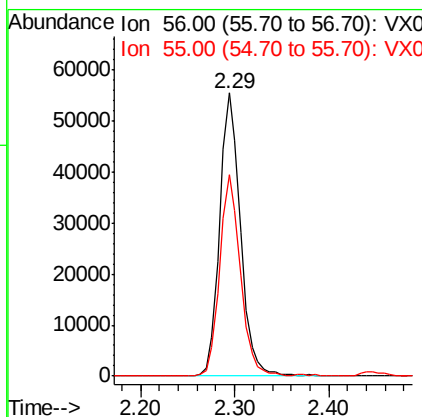
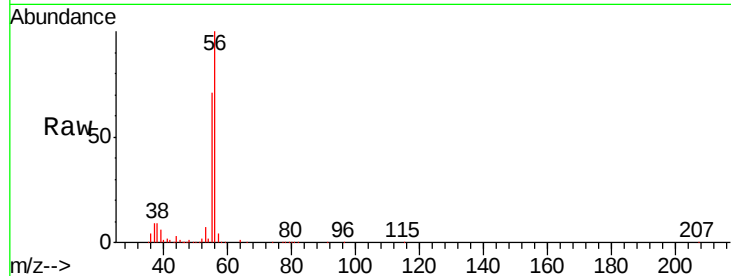
#13
Acrolein
Concen: 180.18 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.6	54.7	82.1

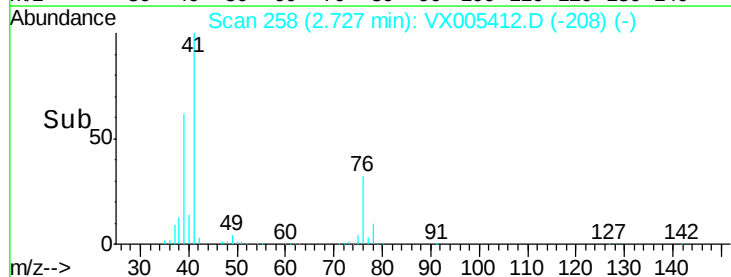
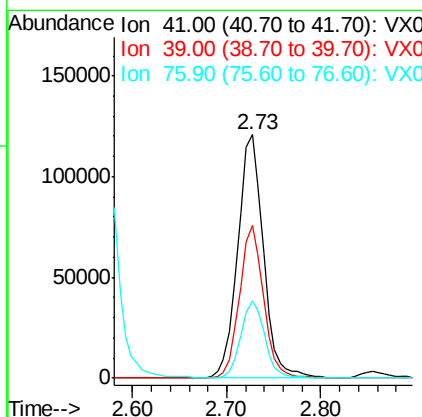
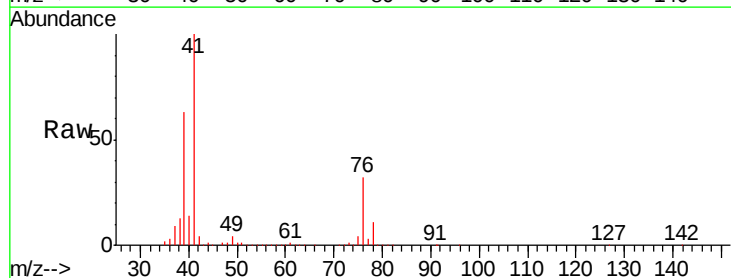
Manual Integrations
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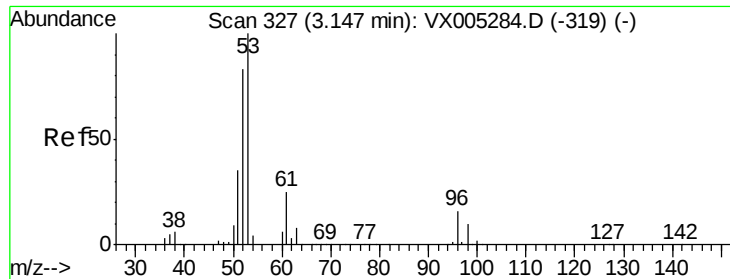
MMDadoda
10/19/2018 12:24:00 PM



#14
Allyl chloride
Concen: 50.71 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.3	48.9	73.3
76	29.7	26.7	40.1





#15

Acrylonitrile

Concen: 262.53 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

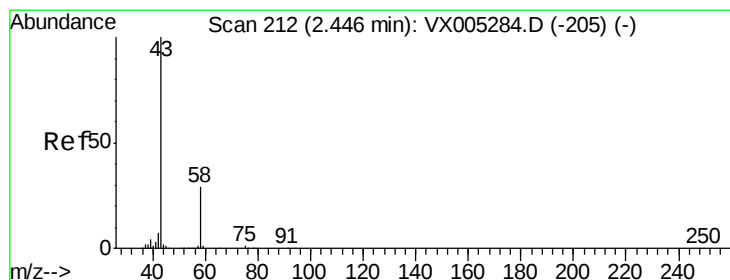
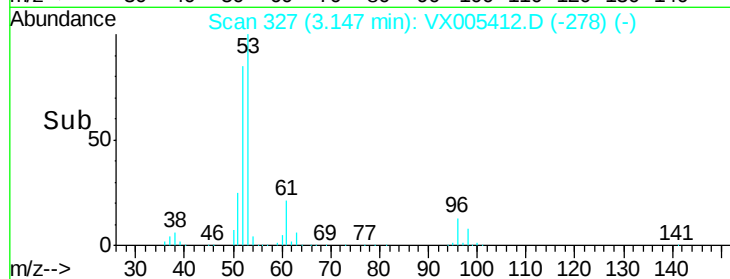
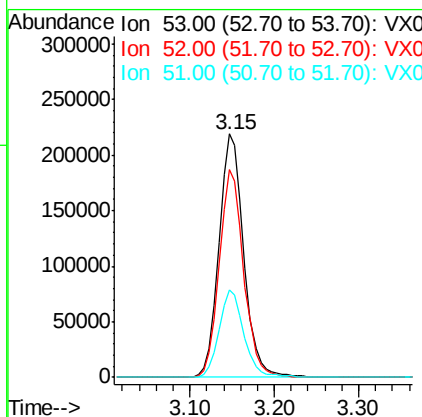
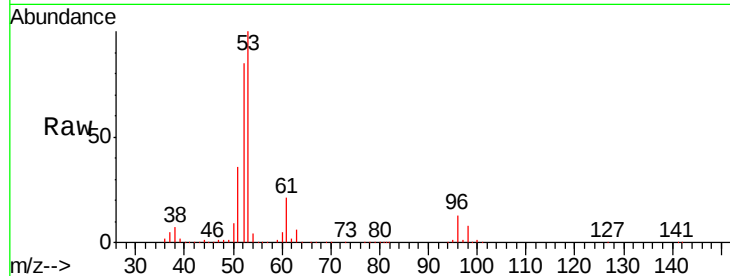
ClientSampleId :

RLF-GW-9SMSD

Tgt Ion:	53	Resp:	439466
Ion Ratio		Lower	Upper
53	100		
52	84.7	65.2	97.8
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 253.16 ug/l

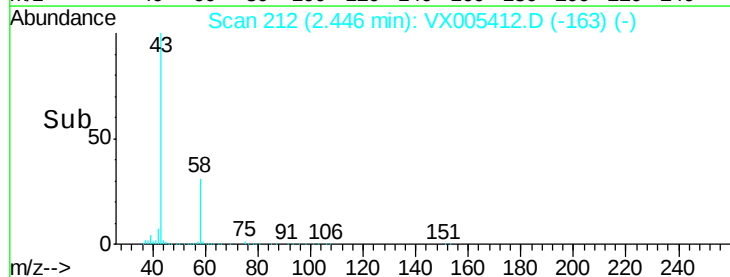
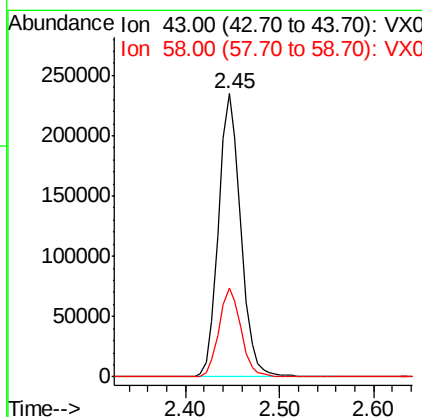
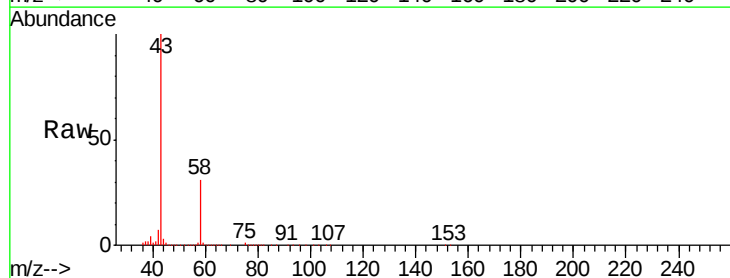
RT: 2.45 min Scan# 212

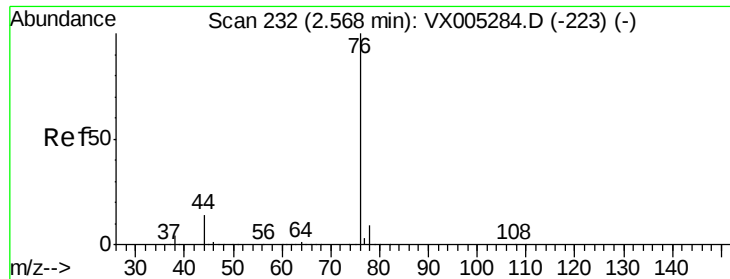
Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Tgt Ion:	43	Resp:	383315
Ion Ratio		Lower	Upper
43	100		
58	31.2	26.2	39.4





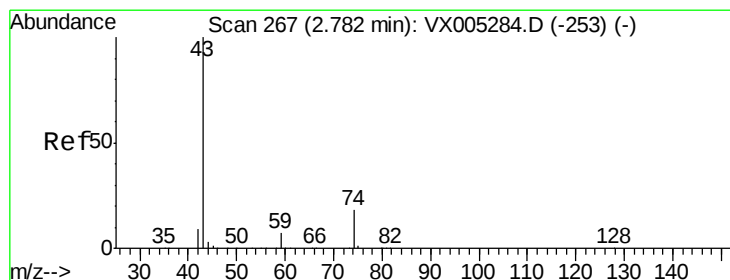
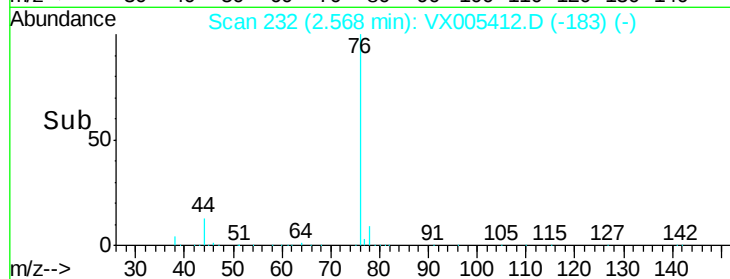
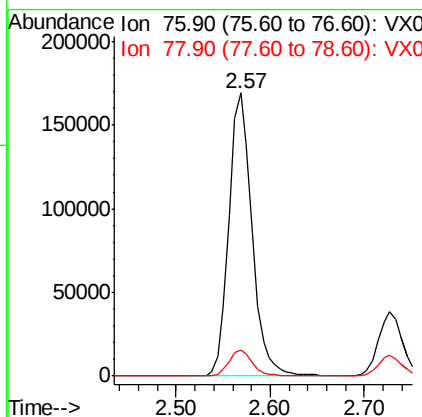
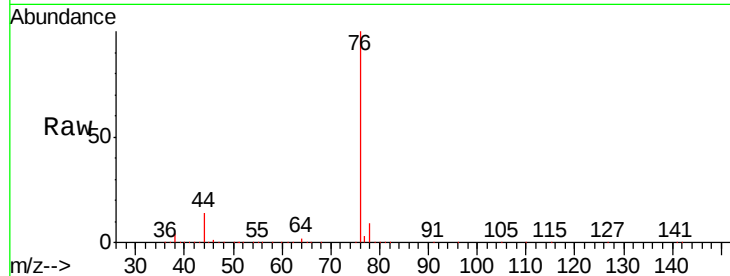
#17
Carbon Disulfide
Concen: 46.33 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

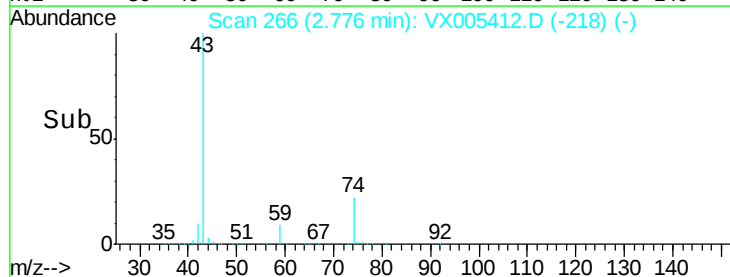
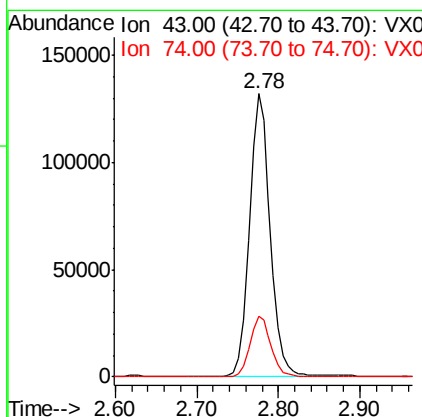
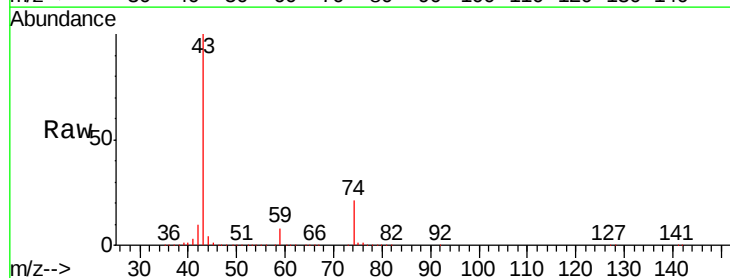
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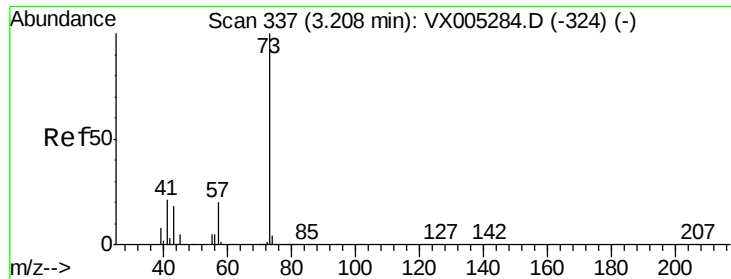
MMDadoda
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#18
Methyl Acetate
Concen: 54.13 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	19.4	29.2





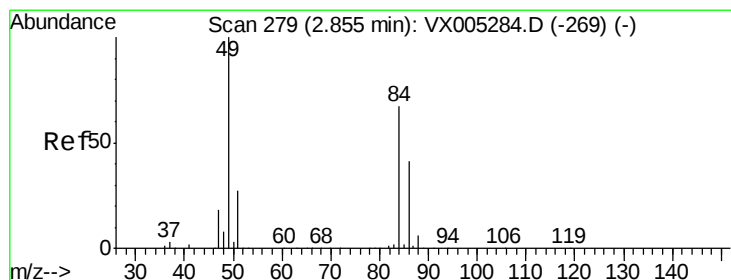
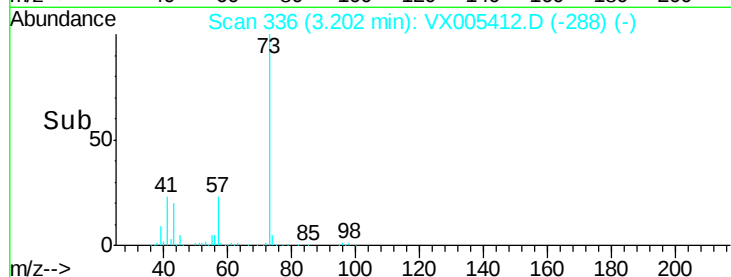
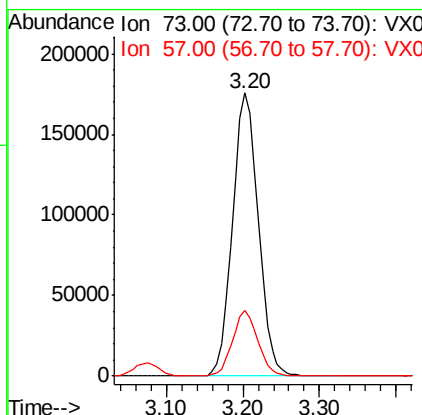
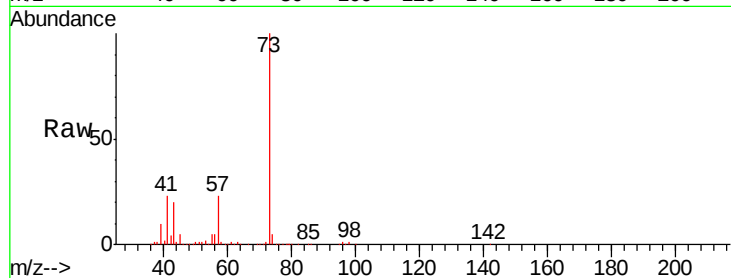
#19
Methyl tert-butyl Ether
Concen: 56.48 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion: 73 Resp: 411090
Ion Ratio Lower Upper
73 100
57 23.2 17.1 25.7

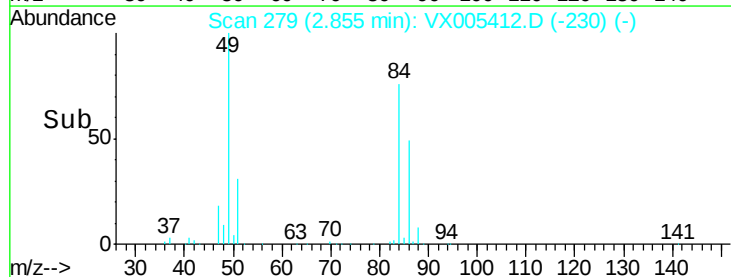
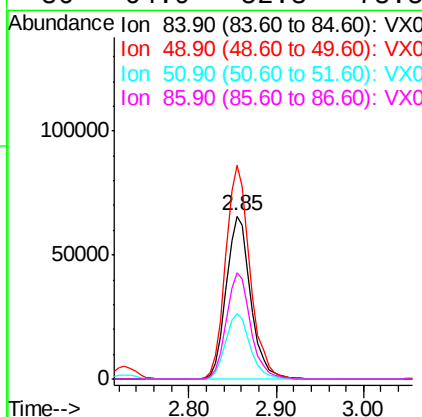
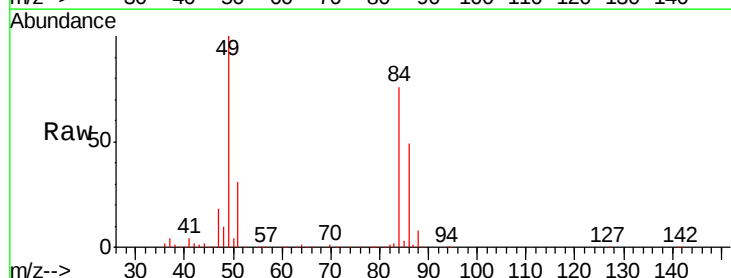
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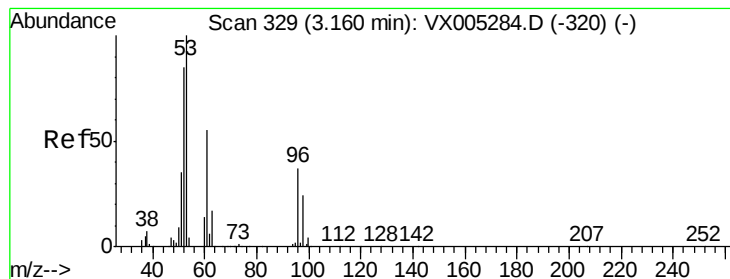
MMDadoda
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#20
Methylene Chloride
Concen: 57.72 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 84 Resp: 126899
Ion Ratio Lower Upper
84 100
49 131.2 101.2 151.8
51 40.3 29.5 44.3
86 64.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.42 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

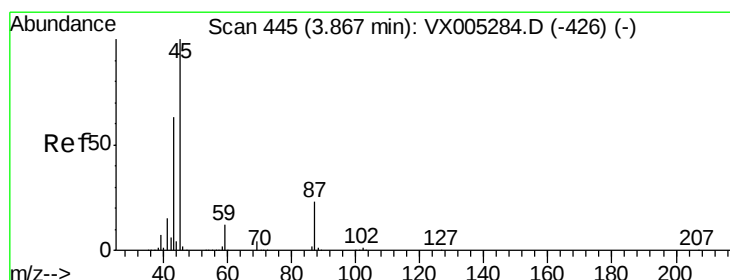
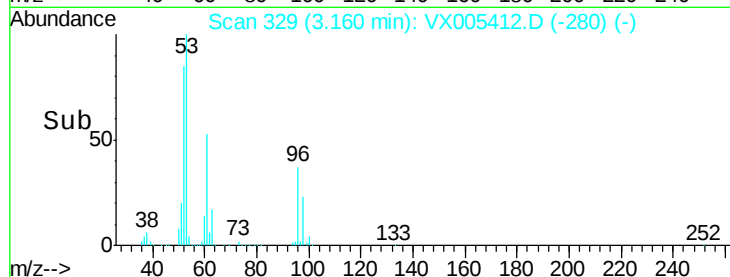
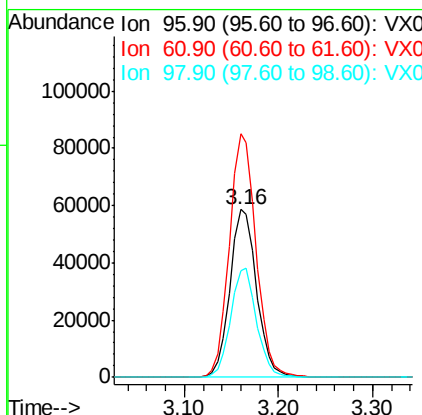
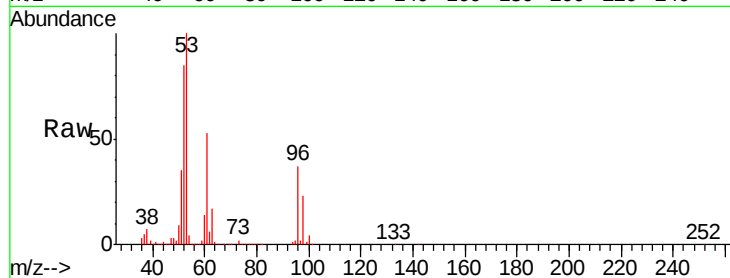
ClientSampleId :

RLF-GW-9SMSD

Tgt Ion:	96	Resp:	115467
Ion	Ratio	Lower	Upper
96	100		
61	145.1	113.8	170.6
98	63.5	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.91 ug/l

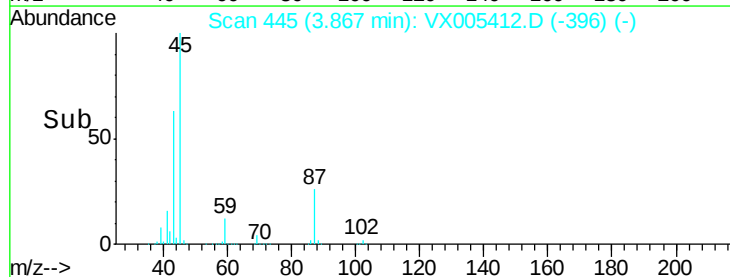
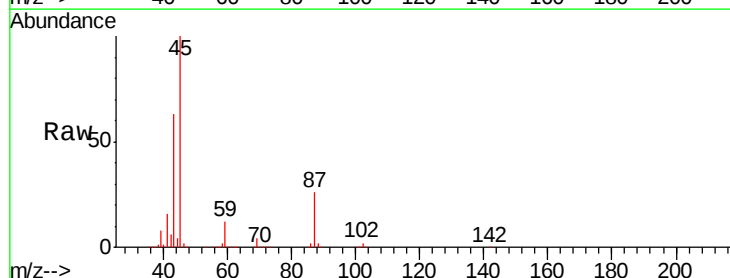
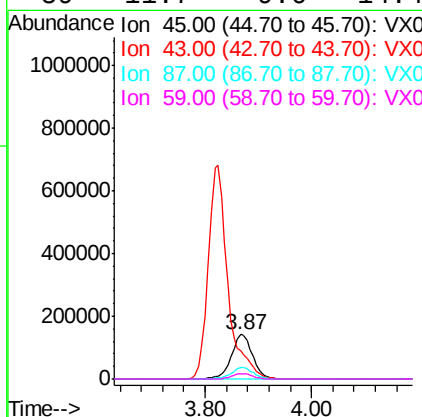
RT: 3.87 min Scan# 445

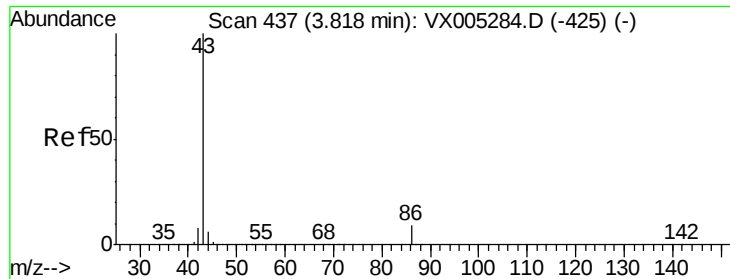
Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Tgt Ion:	45	Resp:	395622
Ion	Ratio	Lower	Upper
45	100		
43	62.7	42.8	64.2
87	26.0	22.6	34.0
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 258.83 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 43 Resp: 1724083

Ion Ratio Lower Upper

43 100

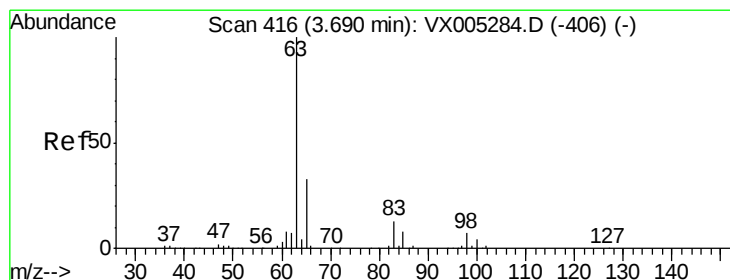
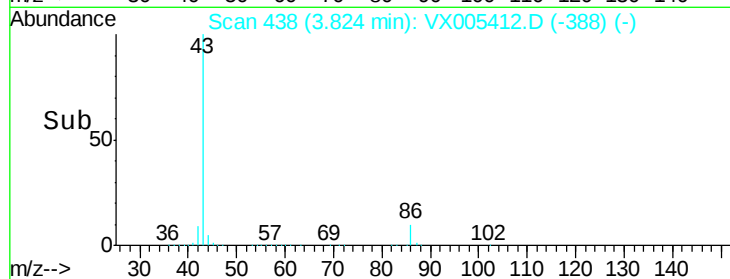
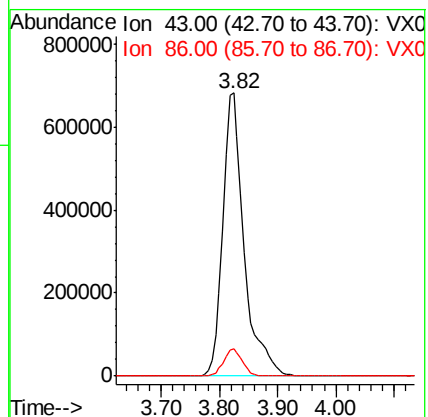
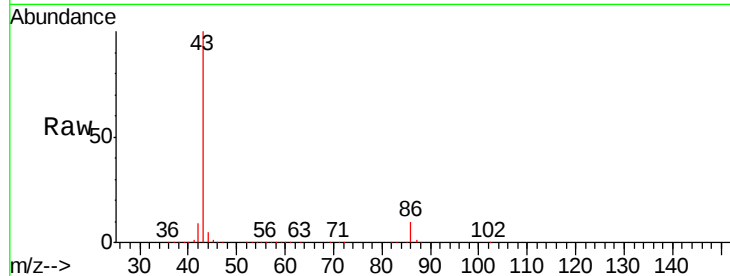
86 9.8 8.9 13.3

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 53.07 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

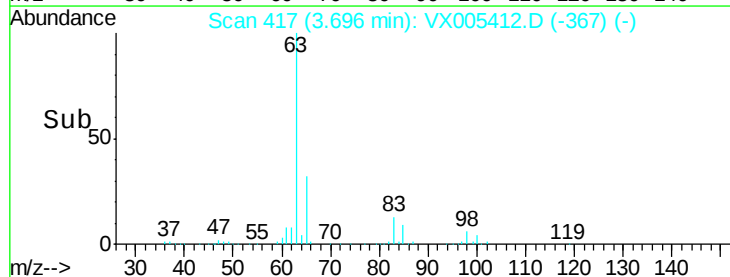
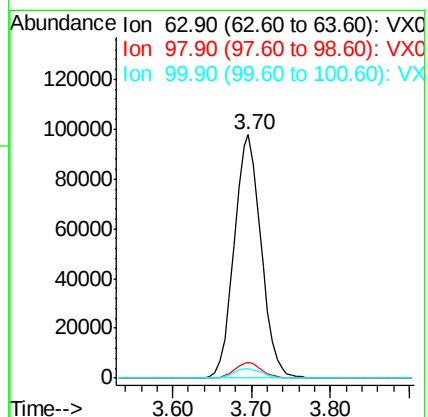
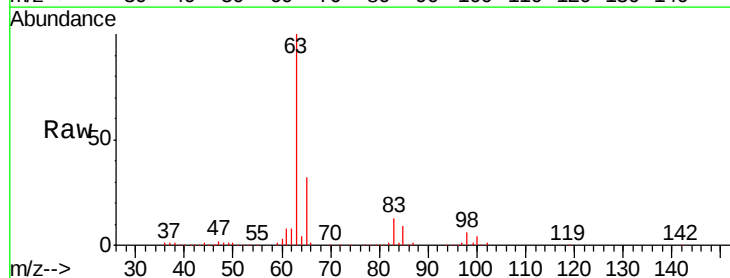
Tgt Ion: 63 Resp: 231811

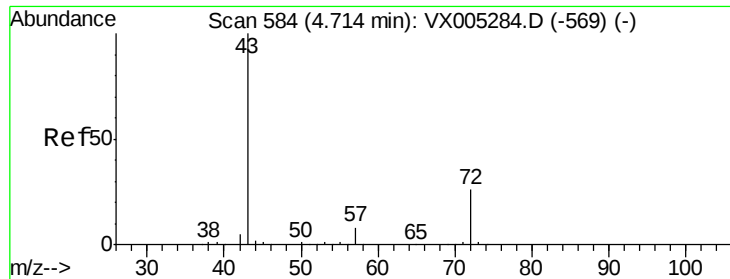
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 258.07 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 43 Resp: 571727

Ion Ratio Lower Upper

43 100

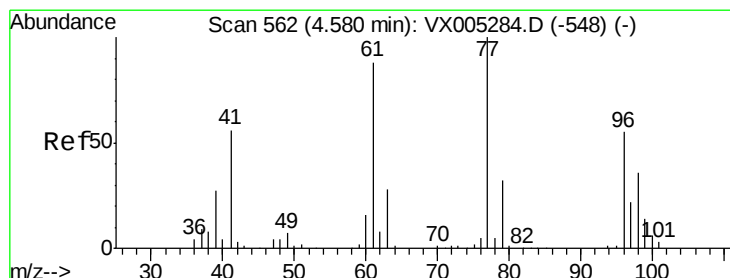
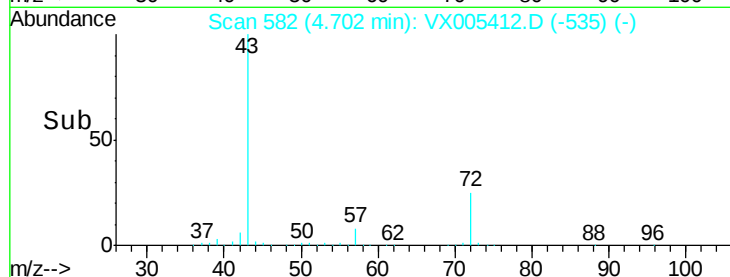
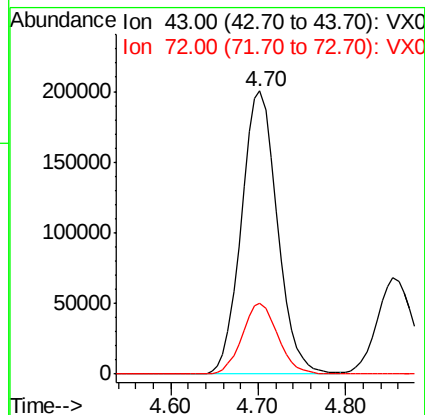
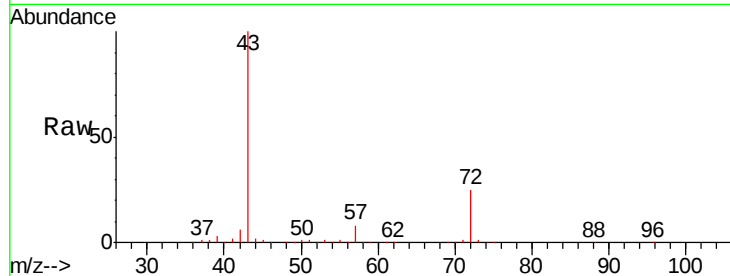
72 25.2 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 40.60 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005412.D

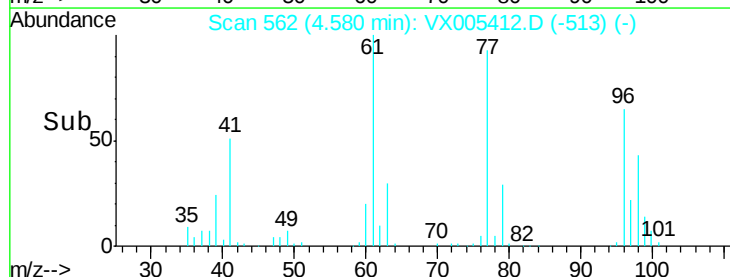
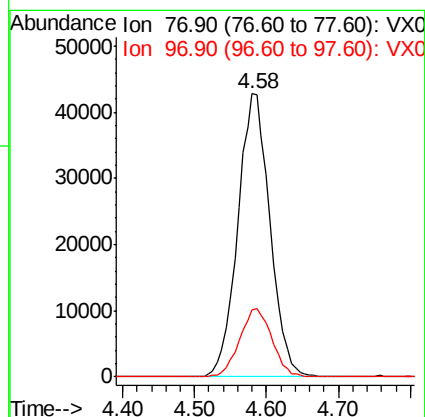
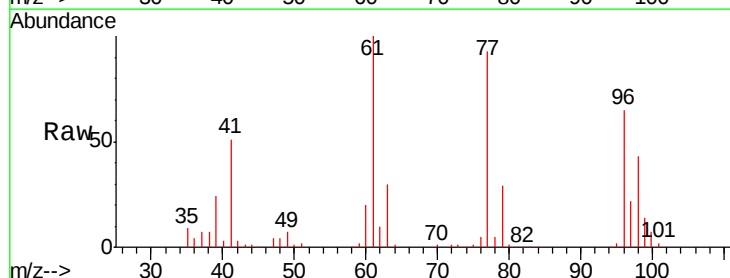
Acq: 18 Oct 2018 01:34

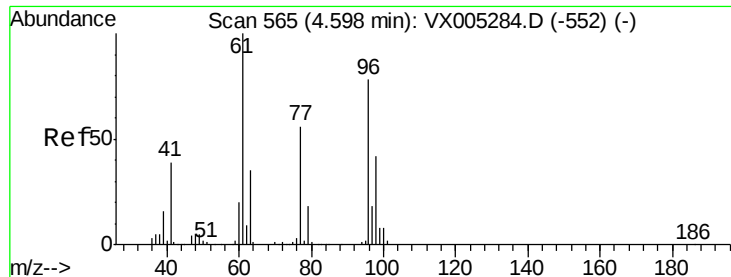
Tgt Ion: 77 Resp: 132612

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 50.61 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

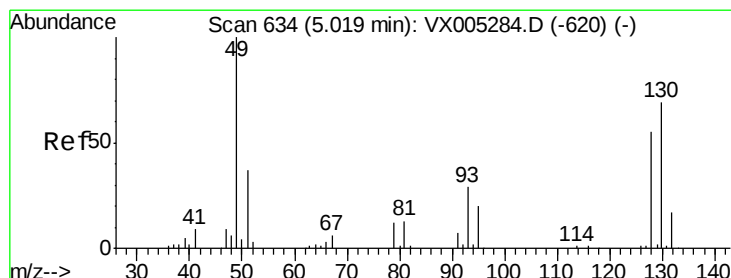
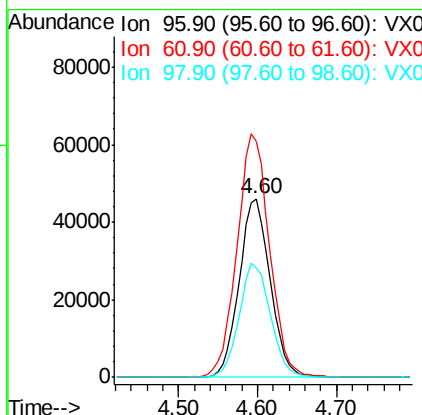
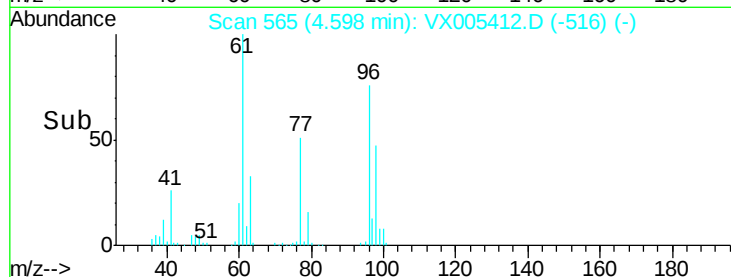
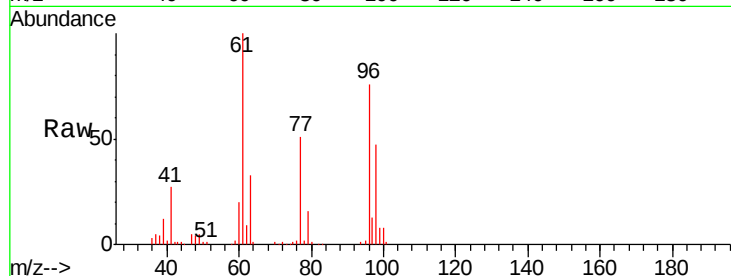
ClientSampleId :

RLF-GW-9SMSD

Tgt Ion:	96	Resp:	125964
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	282.6
98	64.4	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 50.64 ug/l

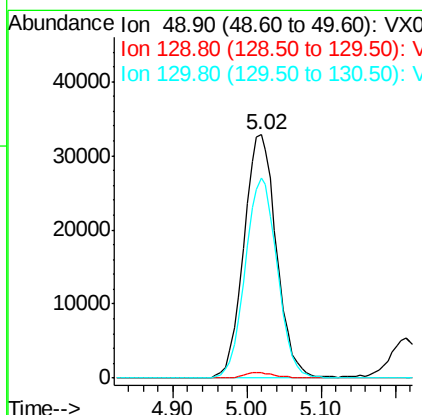
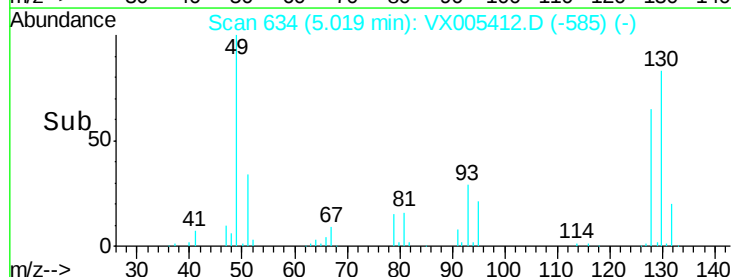
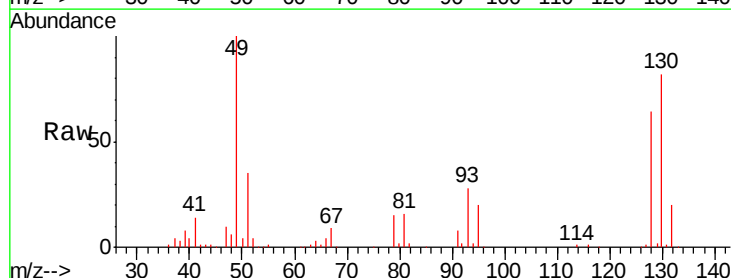
RT: 5.02 min Scan# 634

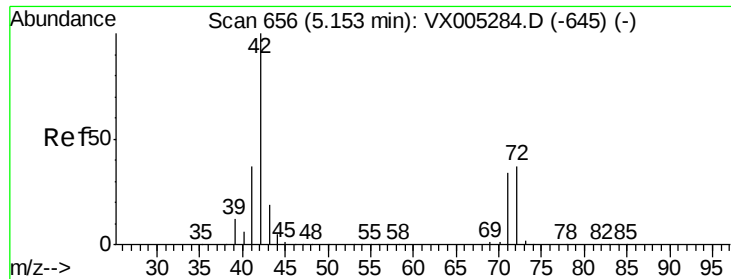
Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Tgt Ion:	49	Resp:	100827
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	80.7	67.5	101.3





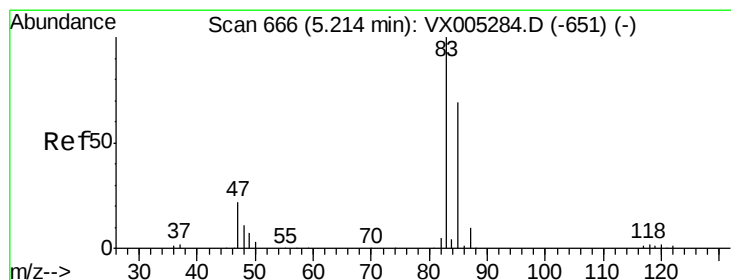
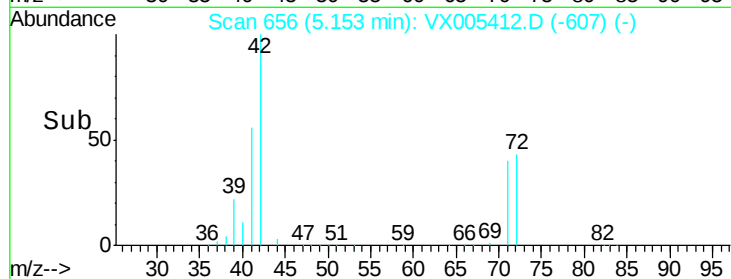
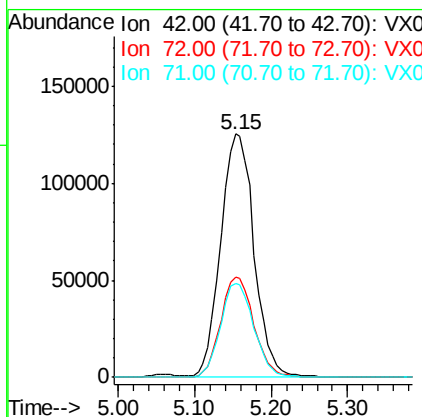
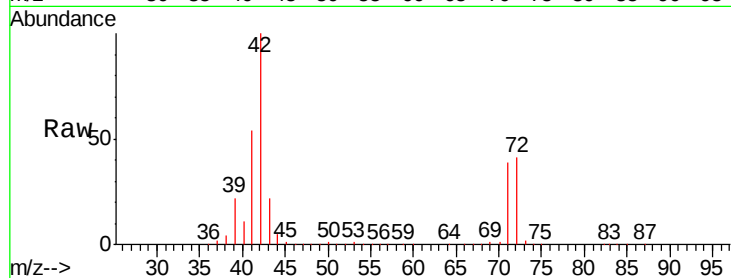
#29
Tetrahydrofuran
Concen: 266.70 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.4	56.0
71	38.7	34.5	51.7

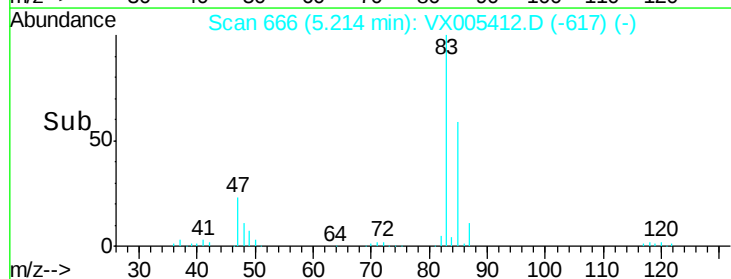
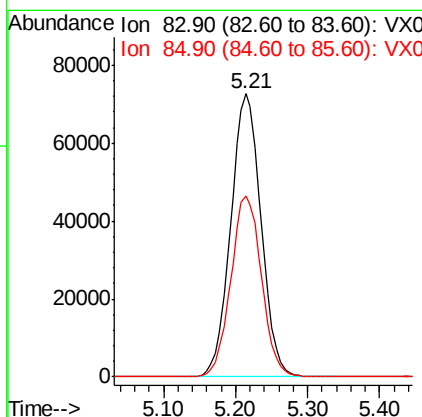
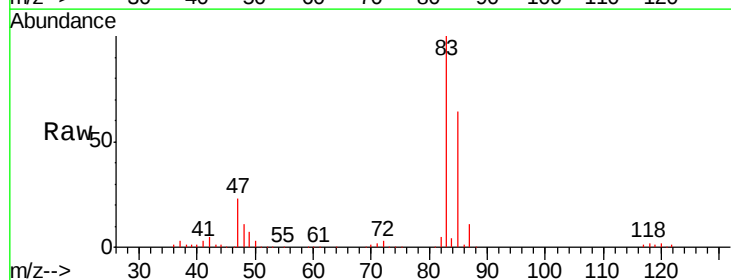
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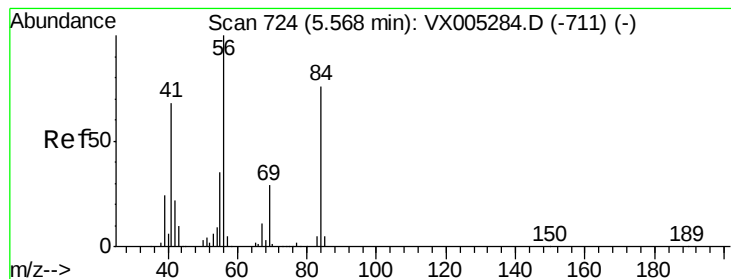
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#30
Chloroform
Concen: 52.33 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	79.0





#31

Cyclohexane

Concen: 44.28 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

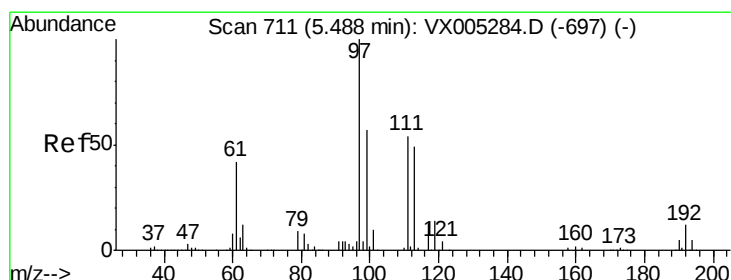
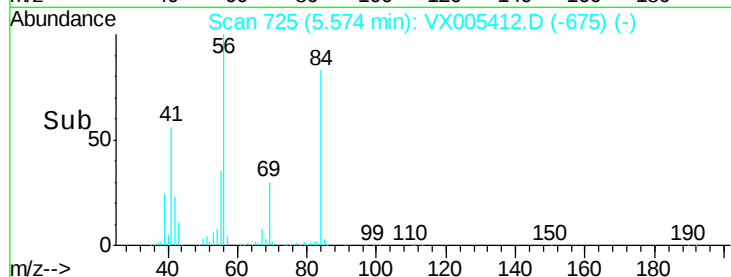
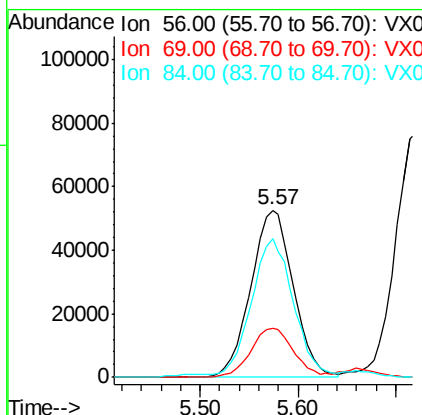
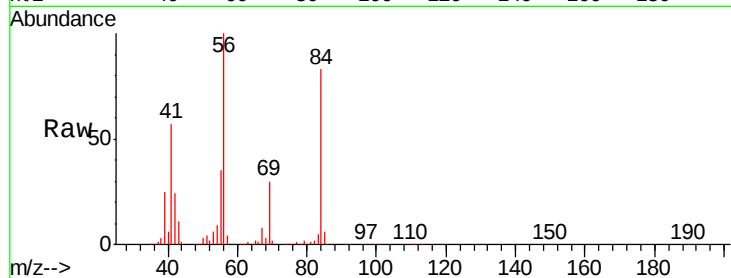
ClientSampleId :

RLF-GW-9SMSD

Tgt Ion:	56	Resp:	159409
Ion Ratio	Lower	Upper	
56	100		
69	29.7	25.4	38.2
84	80.9	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 50.73 ug/l

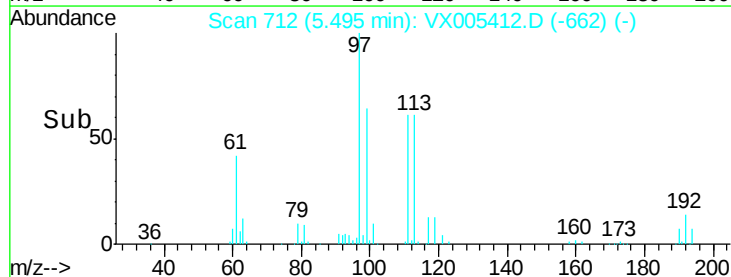
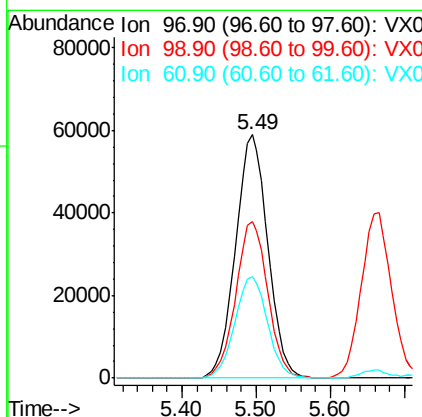
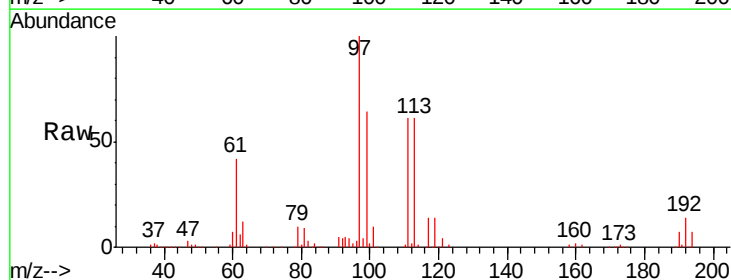
RT: 5.49 min Scan# 712

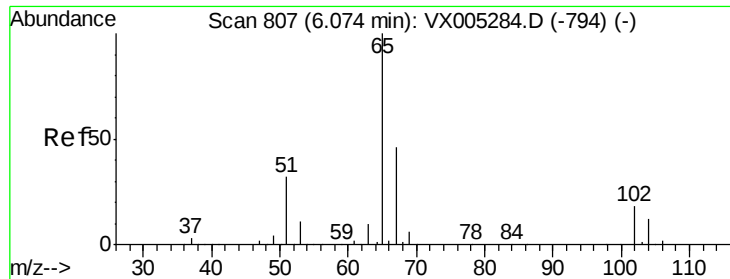
Delta R.T. 0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Tgt Ion:	97	Resp:	178942
Ion Ratio	Lower	Upper	
97	100		
99	63.8	52.0	78.0
61	42.4	34.9	52.3





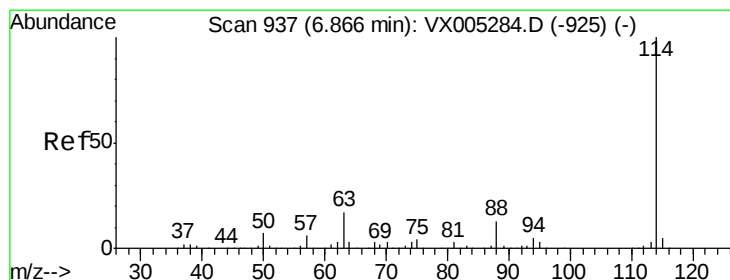
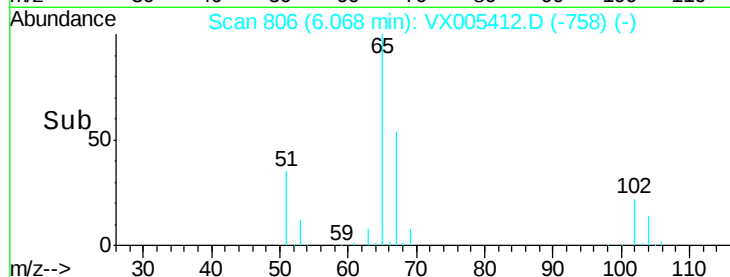
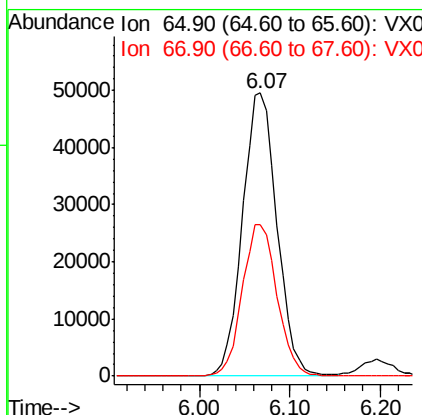
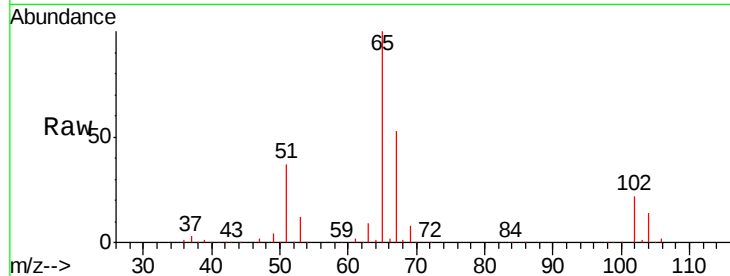
#33
 1,2-Dichloroethane-d4
 Concen: 49.88 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tgt Ion: 65 Resp: 130613
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.8

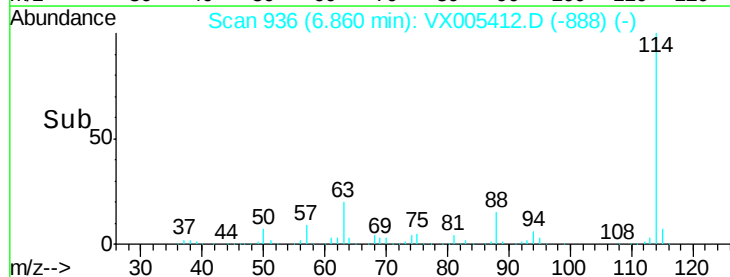
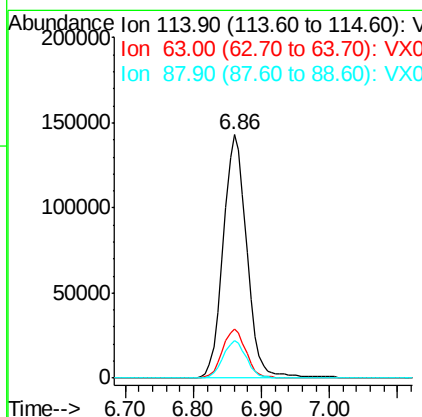
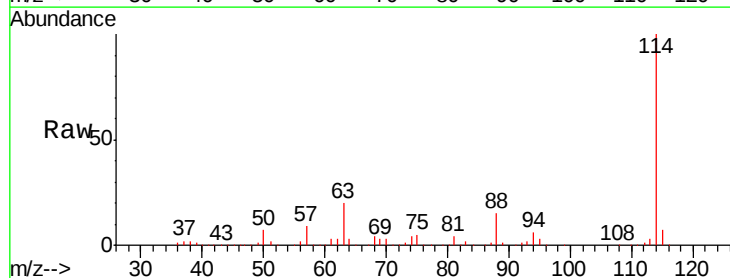
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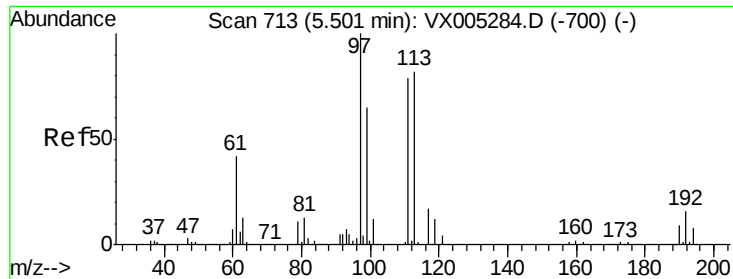
MMDadoda
 10/19/2018 12:24:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 114 Resp: 346377
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.67 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

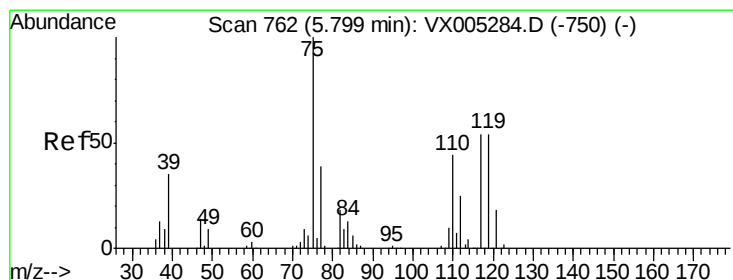
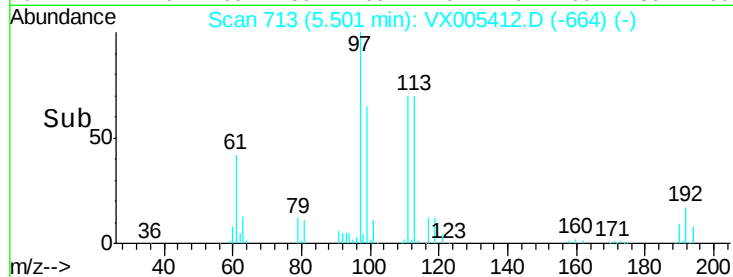
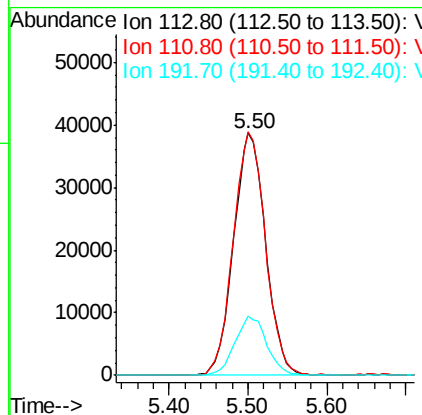
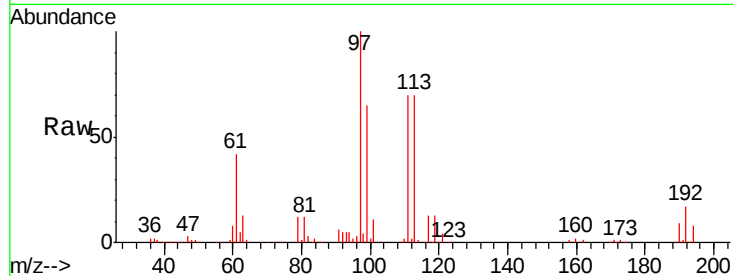
ClientSampleId :

RLF-GW-9SMSD

Tgt Ion:	113	Resp:	109371
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.4	123.6
192	24.1	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 43.29 ug/l

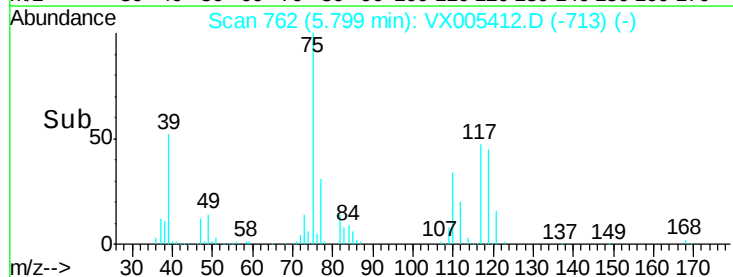
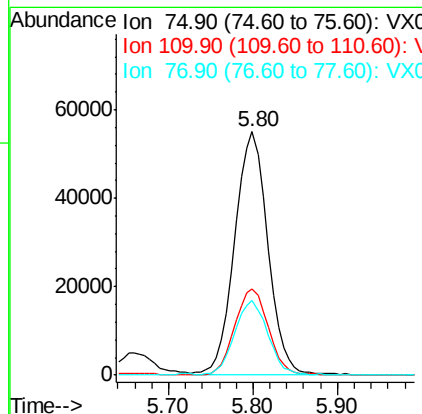
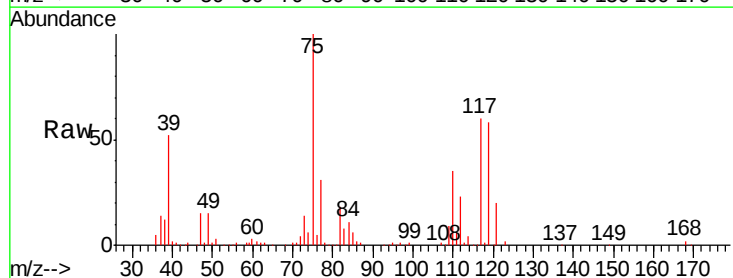
RT: 5.80 min Scan# 762

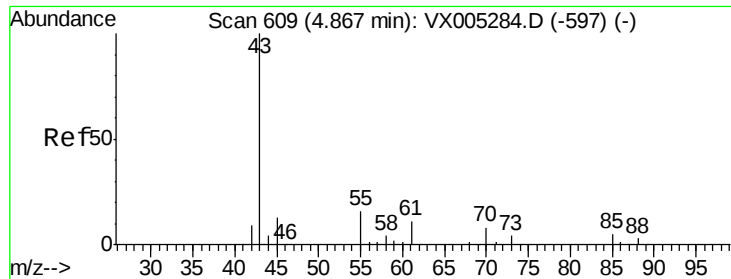
Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Tgt Ion:	75	Resp:	145212
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.0	54.0
77	30.7	24.6	36.8





#37

Ethyl Acetate

Concen: 45.99 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

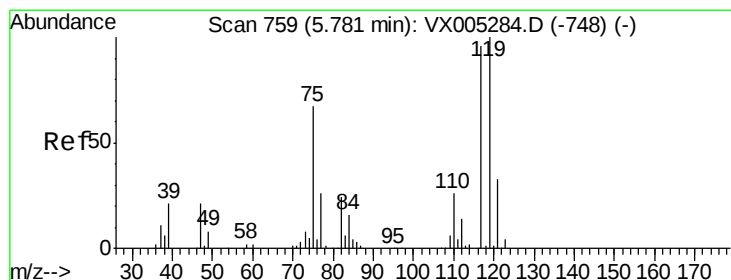
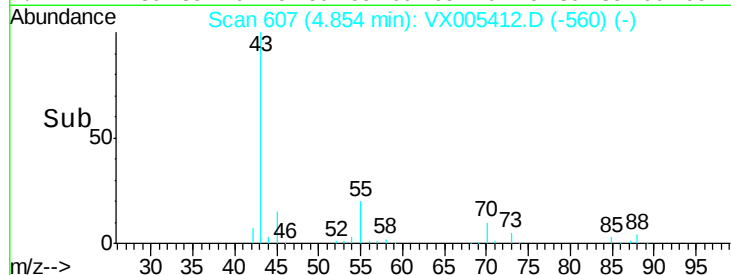
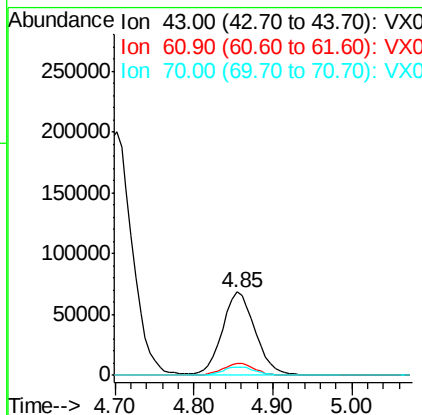
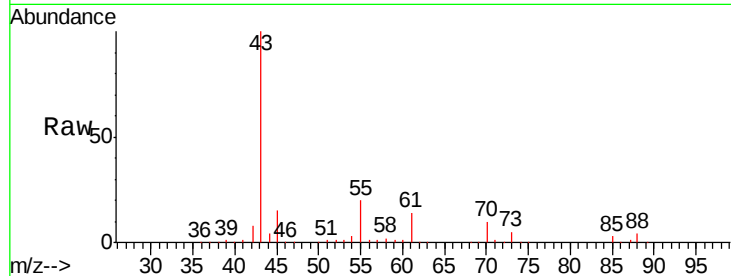
ClientSampleId :

RLF-GW-9SMSD

Tgt Ion:	43	Resp:	198404
Ion Ratio	Lower	Upper	
43	100		
61	13.7	11.5	17.3
70	10.1	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 45.56 ug/l

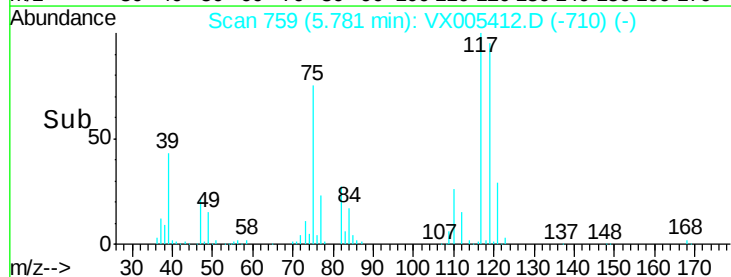
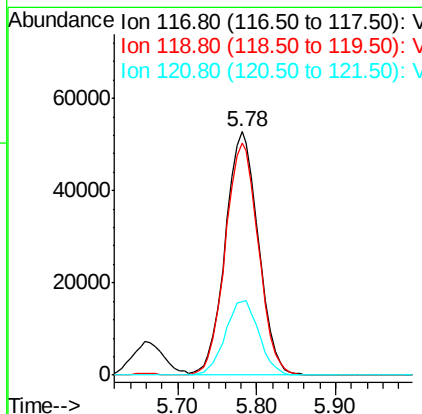
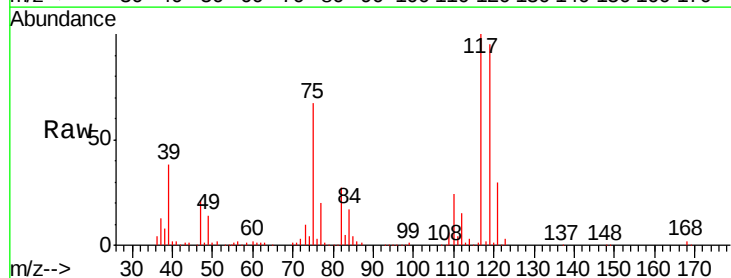
RT: 5.78 min Scan# 759

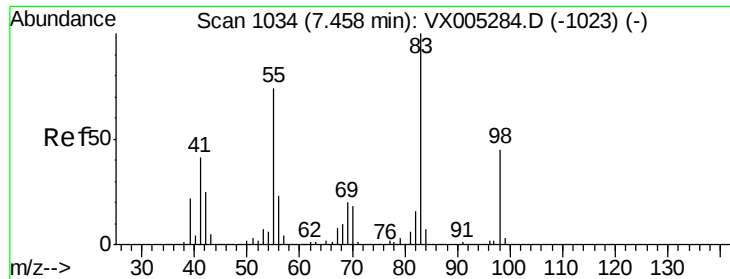
Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Tgt Ion:	117	Resp:	153582
Ion Ratio	Lower	Upper	
117	100		
119	95.0	78.8	118.2
121	29.9	24.9	37.3





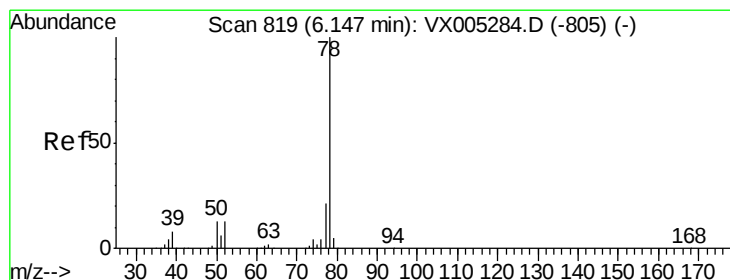
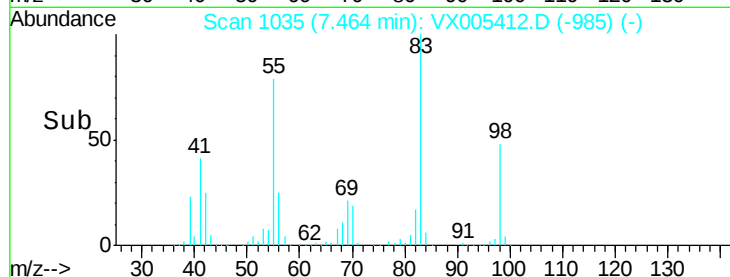
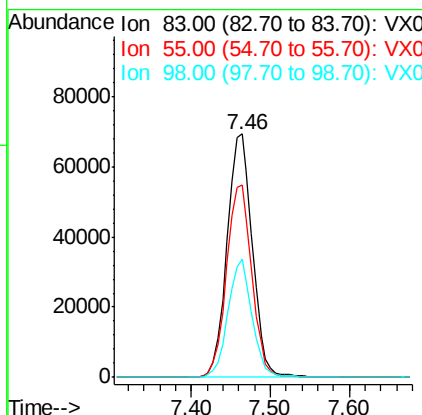
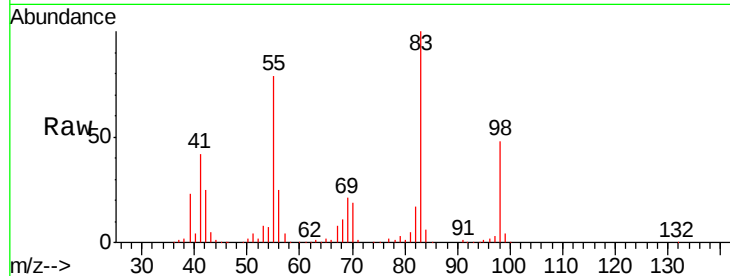
#39
Methylcyclohexane
Concen: 42.55 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	79.1	61.0	91.4
98	48.3	39.6	59.4

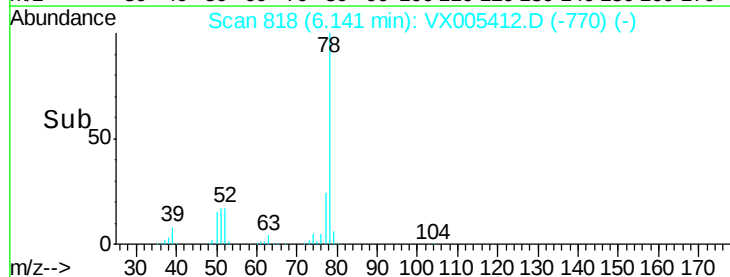
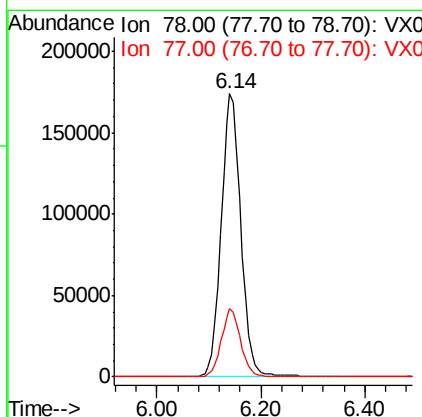
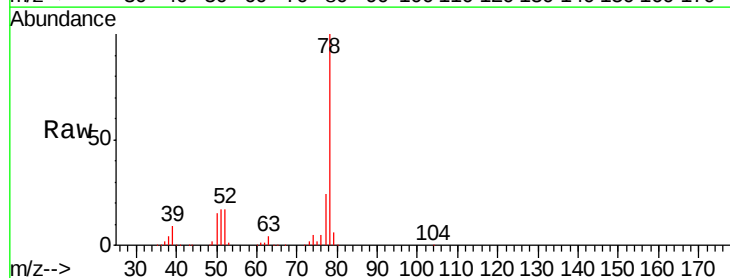
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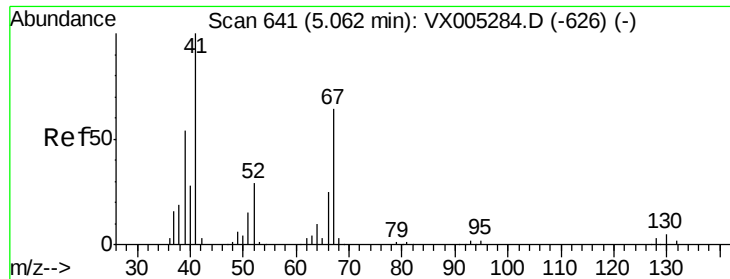
MMDadoda
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#40
Benzene
Concen: 45.90 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	24.3	19.0	28.4





#41

Methacrylonitrile

Concen: 49.65 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 41 Resp: 114831
Ion Ratio Lower Upper

41 100

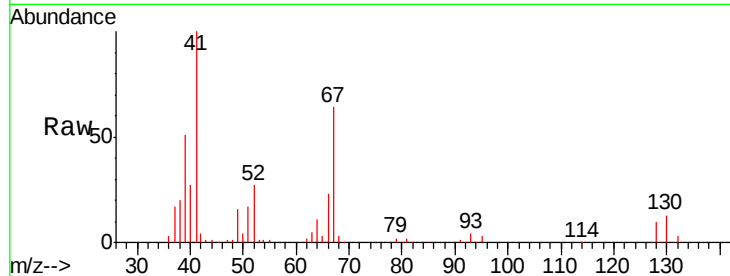
39 52.7 42.4 63.6

67 69.5 59.2 88.8

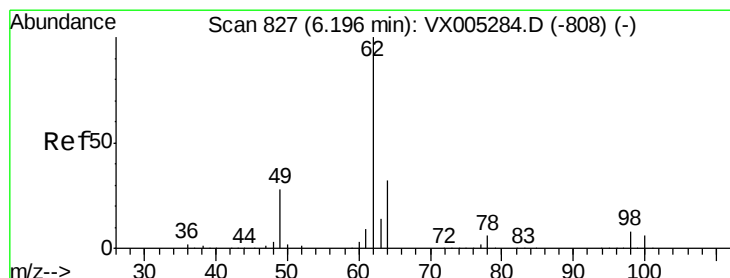
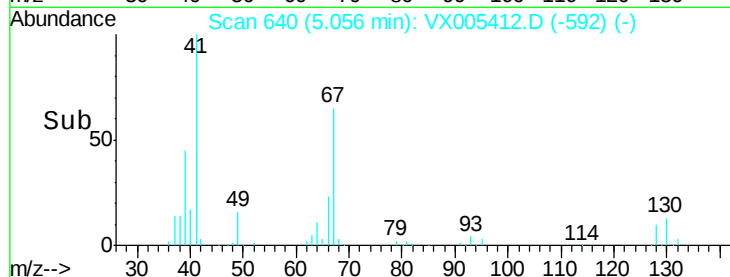
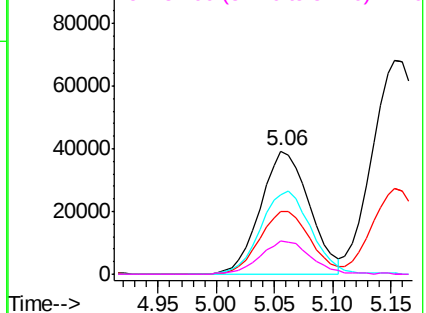
52 28.4 23.0 34.4

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.29 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

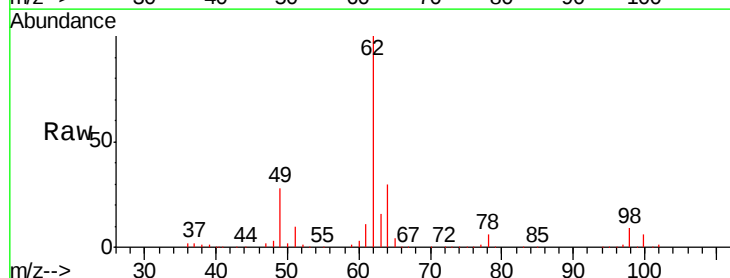
Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

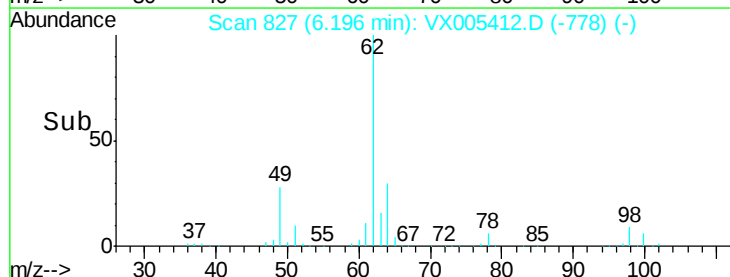
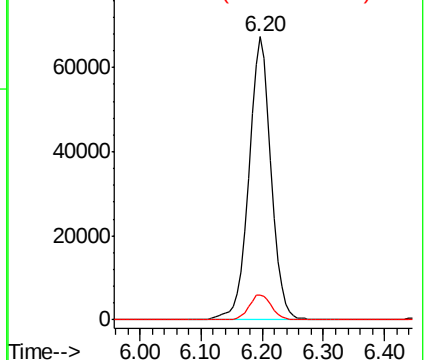
Tgt Ion: 62 Resp: 171602
Ion Ratio Lower Upper

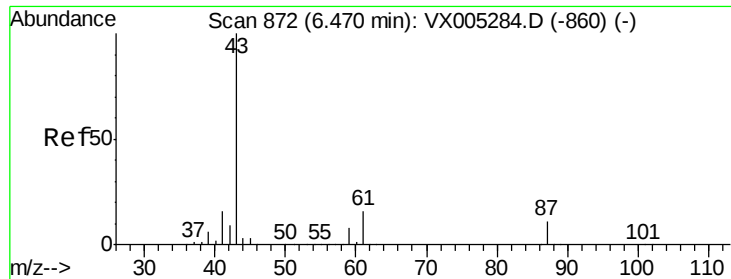
62 100

98 9.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 55.98 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

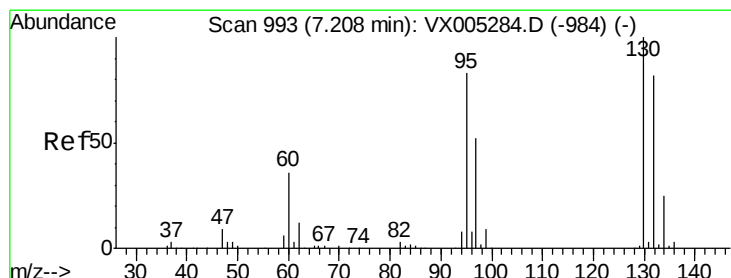
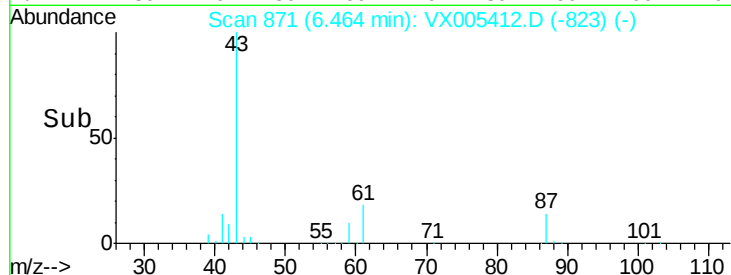
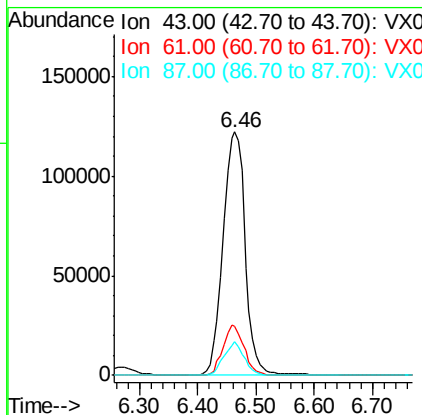
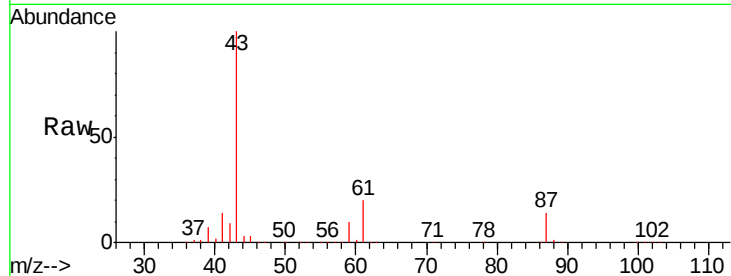
ClientSampleId :

RLF-GW-9SMSD

Tgt Ion:	43	Resp:	321731
Ion Ratio	Lower	Upper	
43	100		
61	19.7	17.0	25.4
87	12.6	11.4	17.2

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#44

Trichloroethene

Concen: 48.27 ug/l

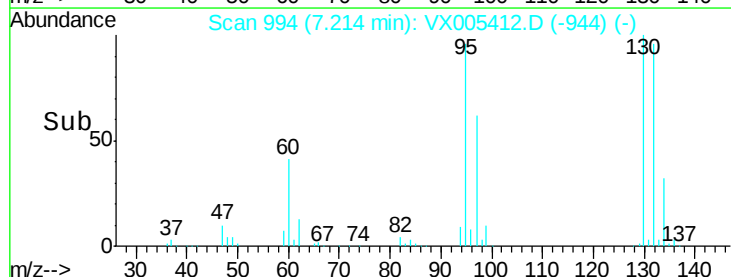
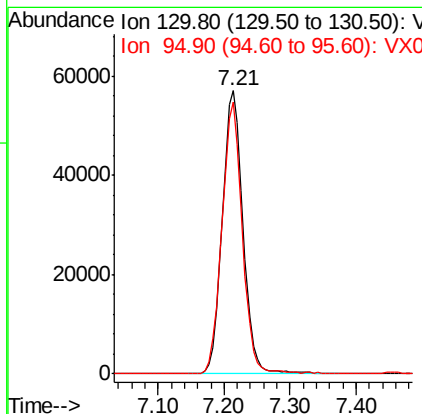
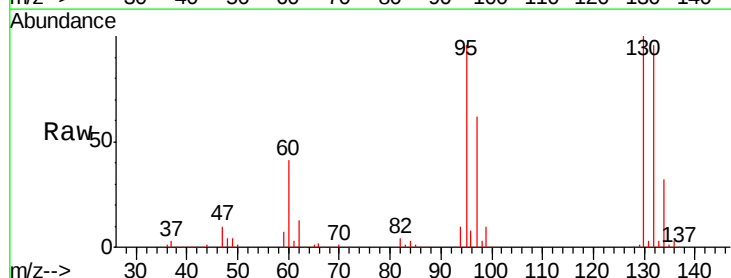
RT: 7.21 min Scan# 994

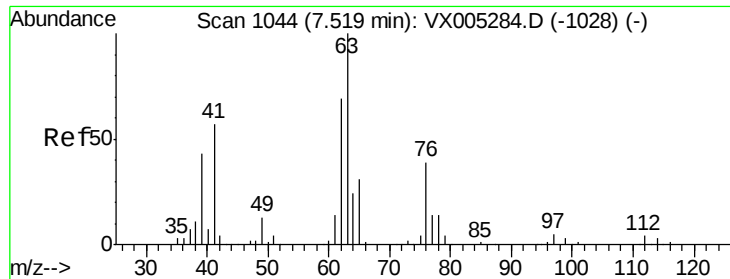
Delta R.T. 0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Tgt Ion:	130	Resp:	124096
Ion Ratio	Lower	Upper	
130	100		
95	95.9	0.0	181.6





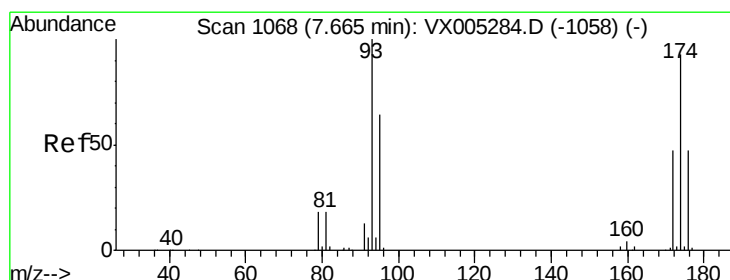
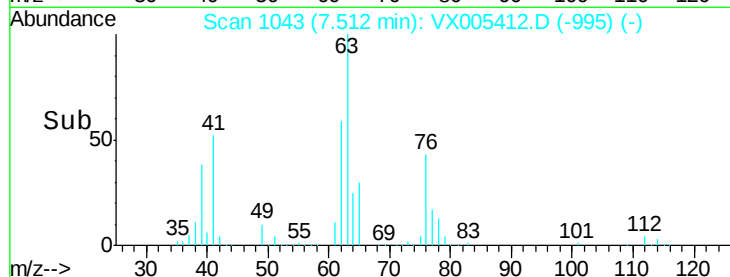
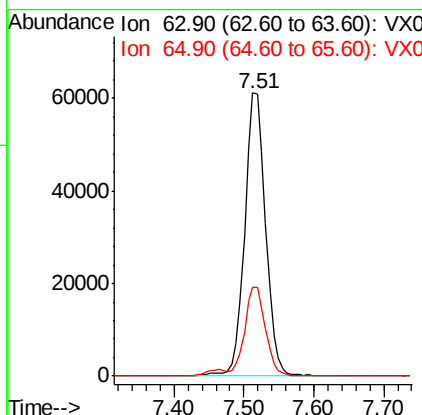
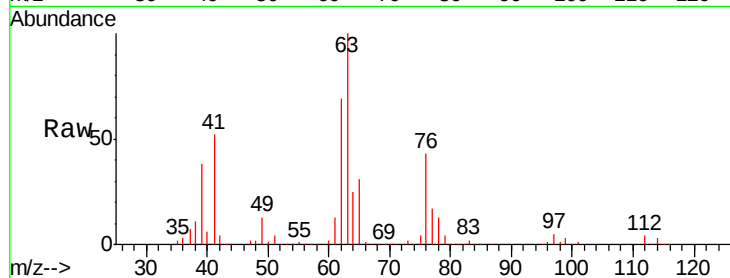
#45
 1,2-Dichloropropane
 Concen: 51.62 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.3	36.5

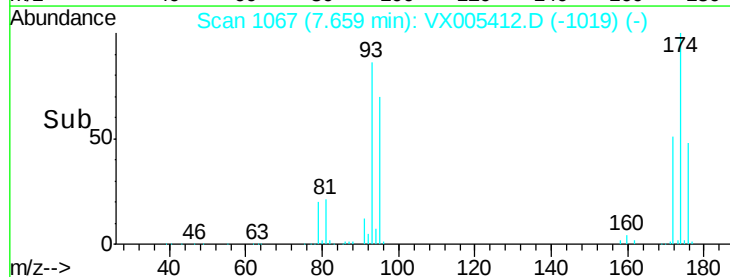
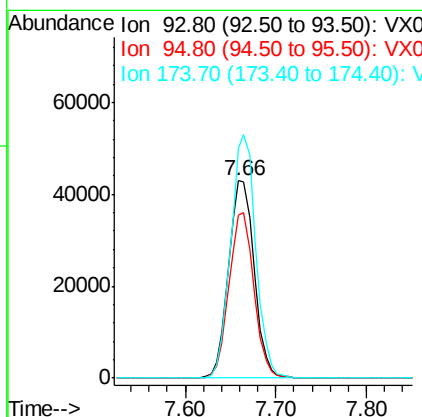
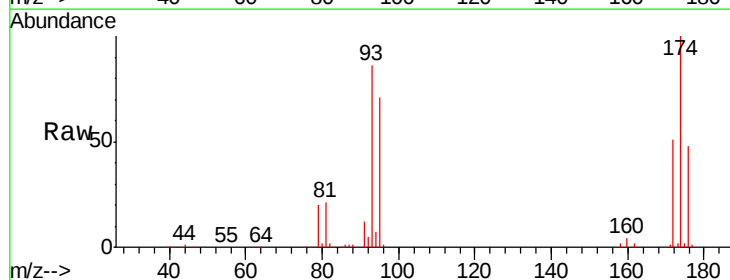
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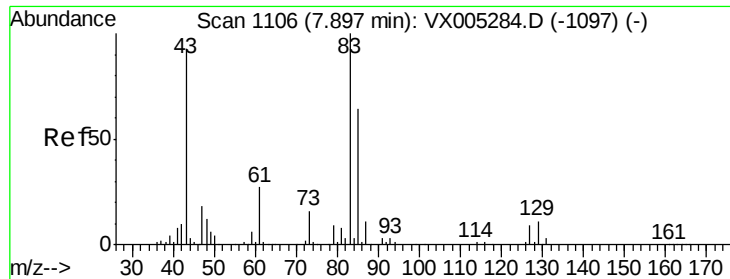
MMDadoda
 10/19/2018 12:24:00 PM



#46
 Dibromomethane
 Concen: 51.74 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.5	98.3
174	120.8	94.2	141.4





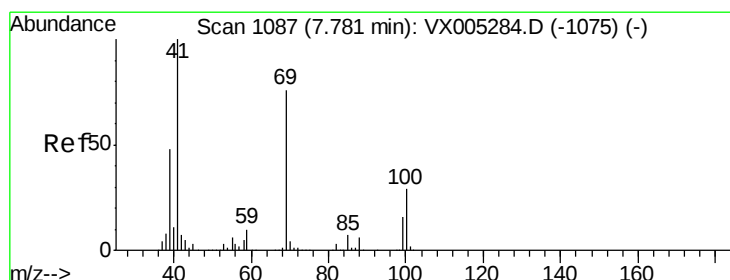
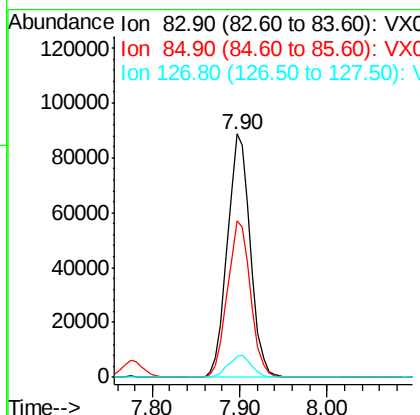
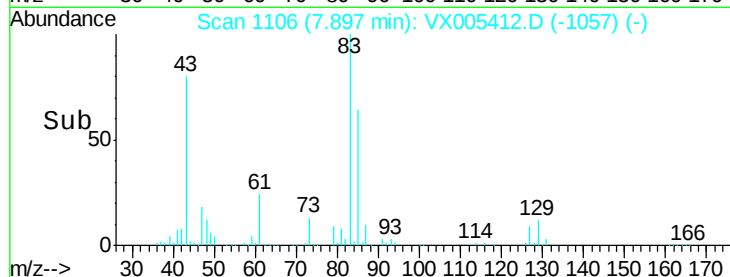
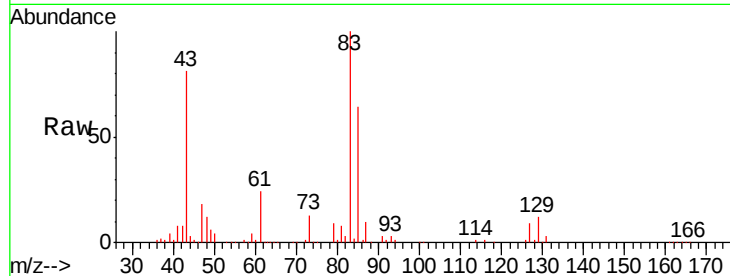
#47
 Bromodichloromethane
 Concen: 53.56 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	161395		
85	64.3	50.9	76.3	
127	8.6	7.3	10.9	

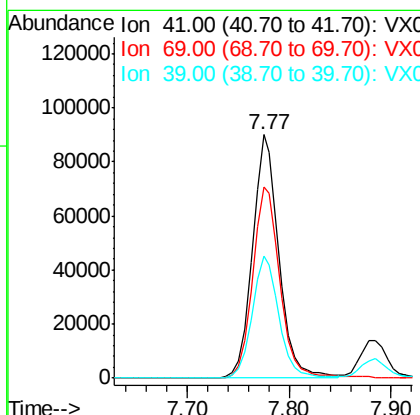
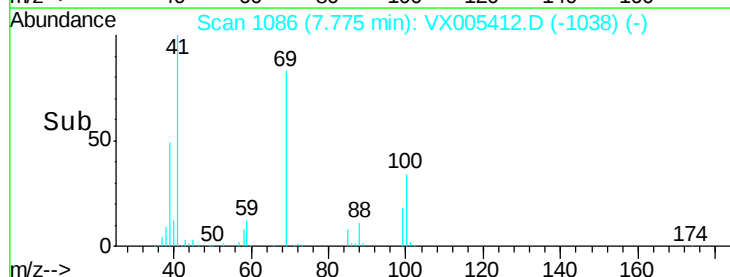
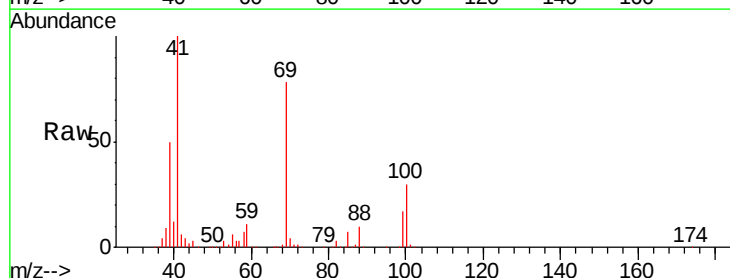
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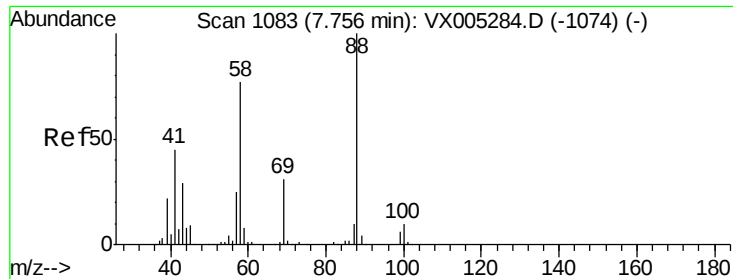
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 10/19/2018 12:24:00 PM



#48
 Methyl methacrylate
 Concen: 54.44 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	162265		
69	81.9	70.2	105.4	
39	50.6	42.7	64.1	





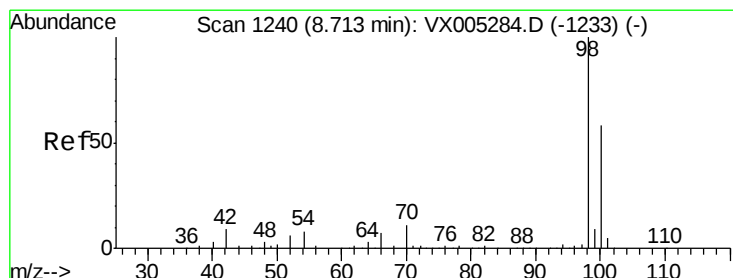
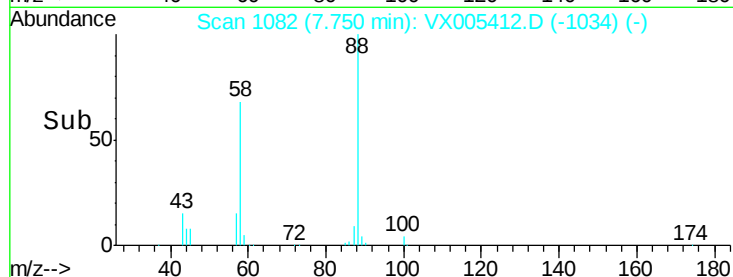
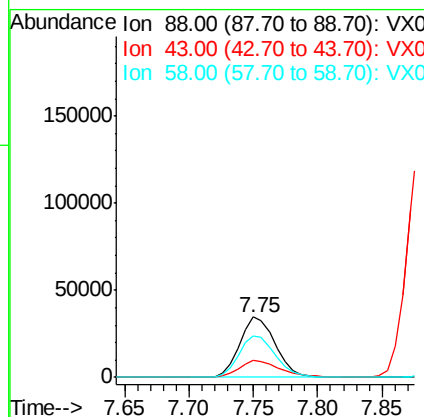
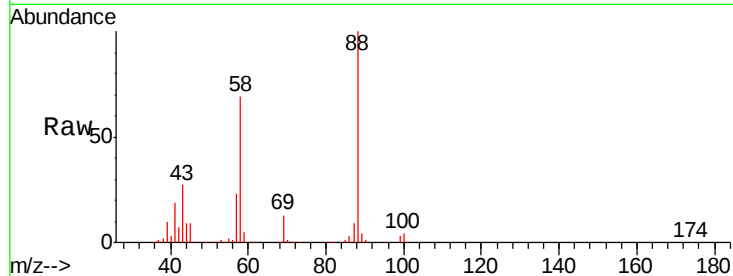
#49
1,4-Dioxane
Concen: 959.47 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	24.7	37.1
58	70.7	55.3	82.9

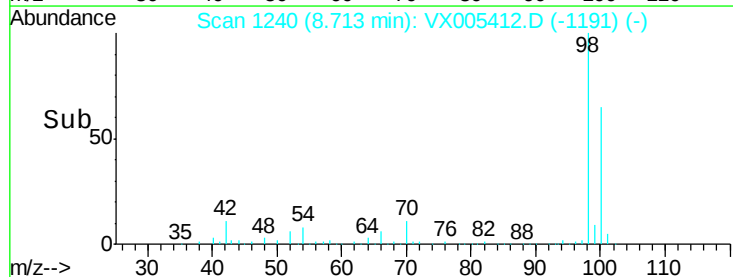
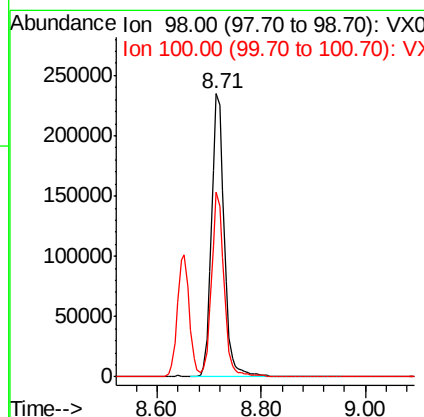
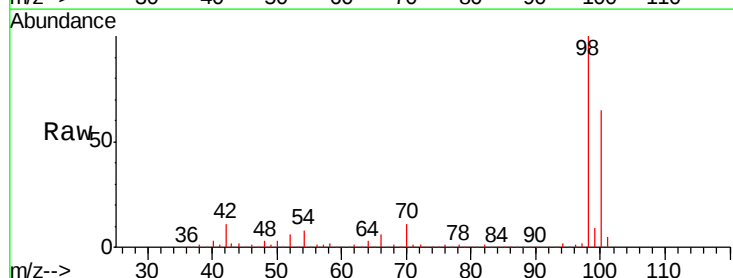
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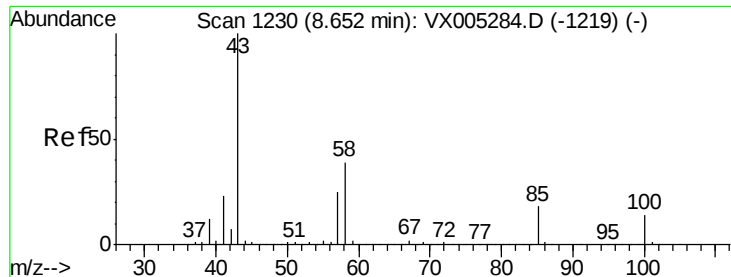
MMDadoda
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#50
Toluene-d8
Concen: 50.52 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.9	79.3





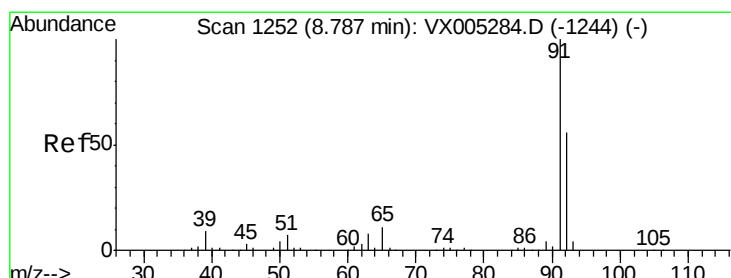
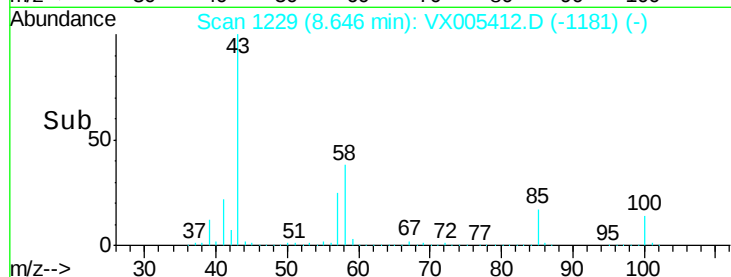
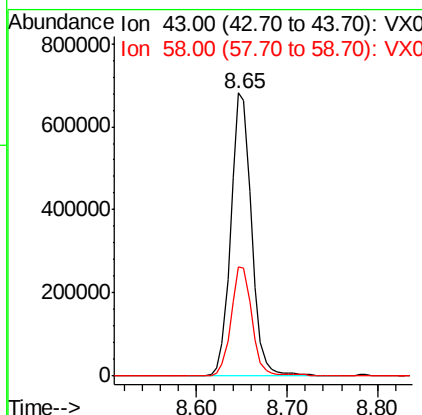
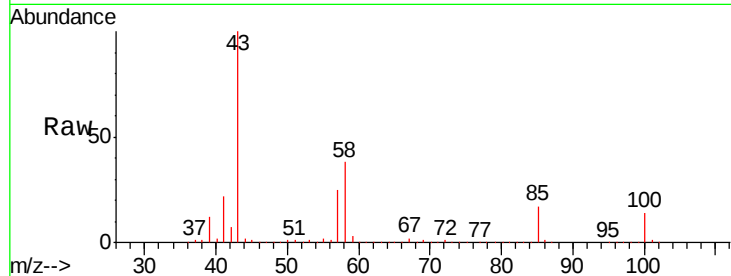
#51
4-Methyl-2-Pentanone
Concen: 275.46 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion: 43 Resp: 1096126
Ion Ratio Lower Upper
43 100
58 39.3 33.1 49.7

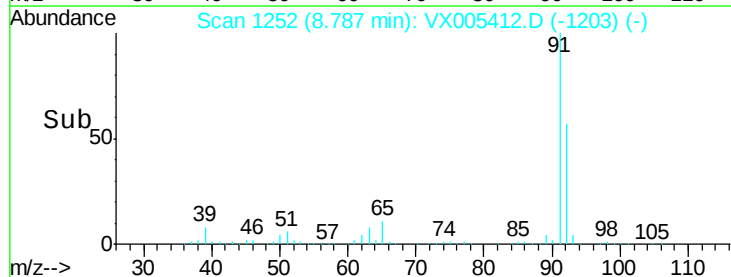
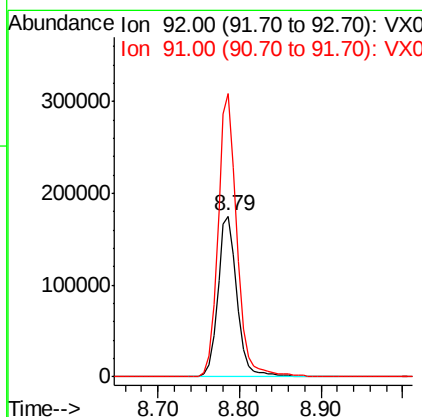
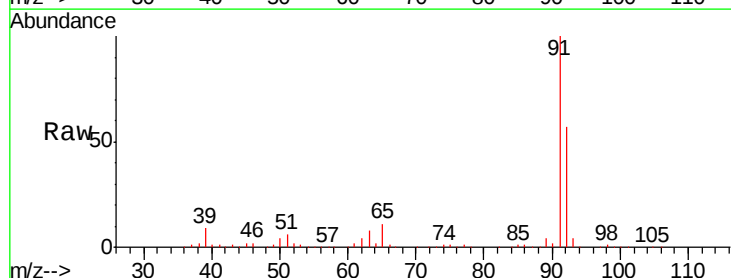
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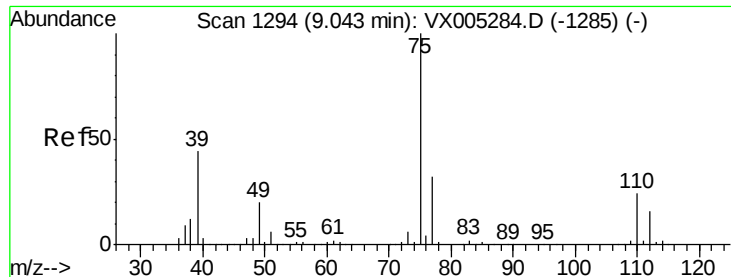
MMDadoda
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#52
Toluene
Concen: 52.58 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 92 Resp: 289474
Ion Ratio Lower Upper
92 100
91 174.0 136.4 204.6





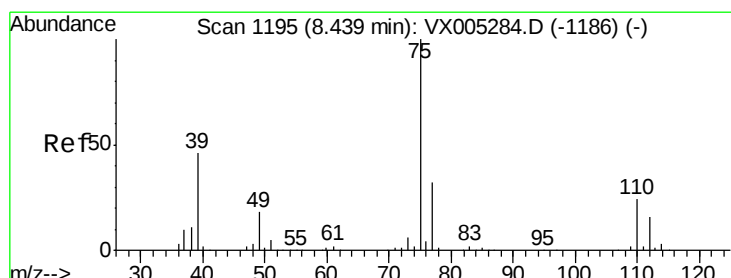
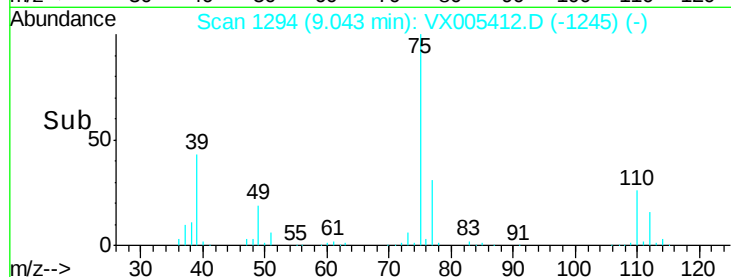
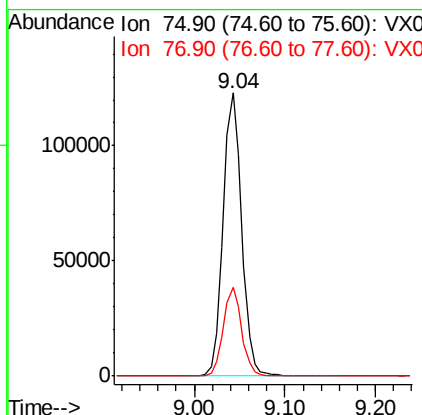
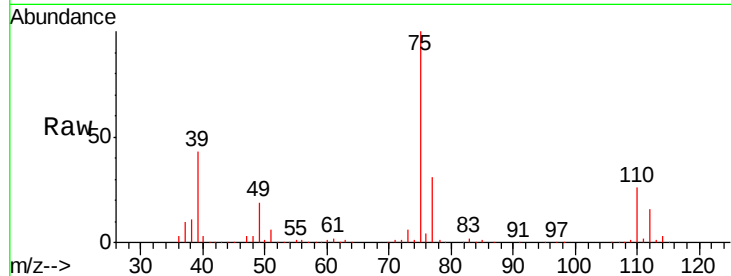
#53
t-1,3-Dichloropropene
Concen: 53.80 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion: 75 Resp: 175453
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

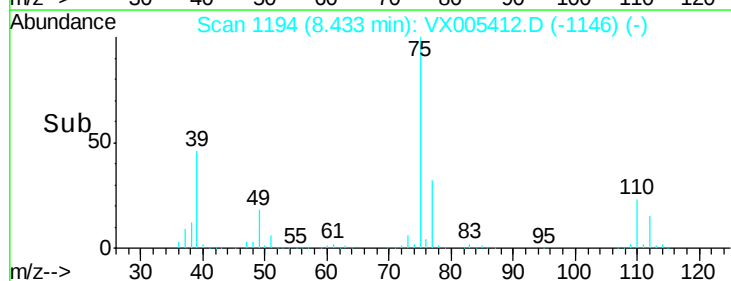
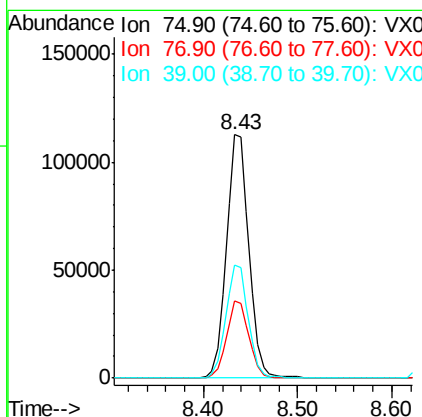
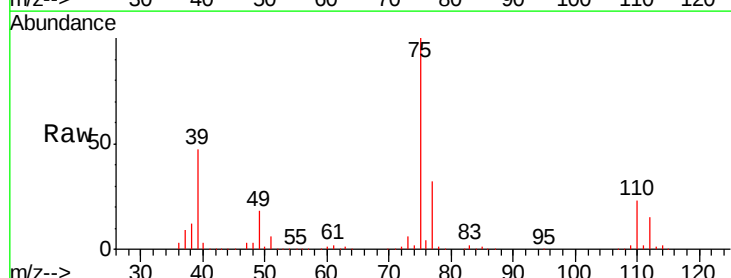
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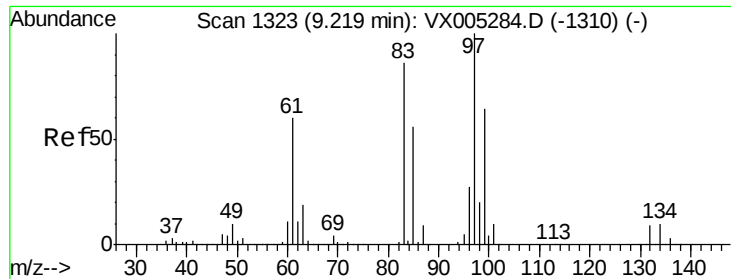
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.43 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 75 Resp: 185271
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2
39 46.5 36.4 54.6





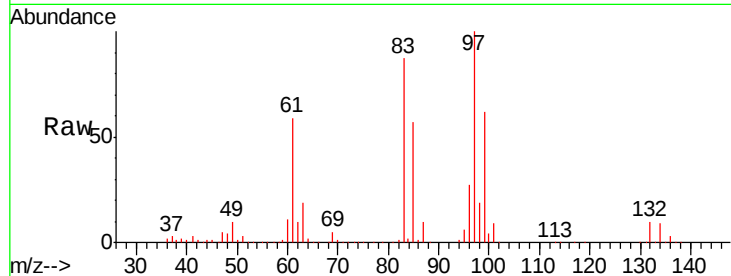
#55
 1,1,2-Trichloroethane
 Concen: 54.72 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

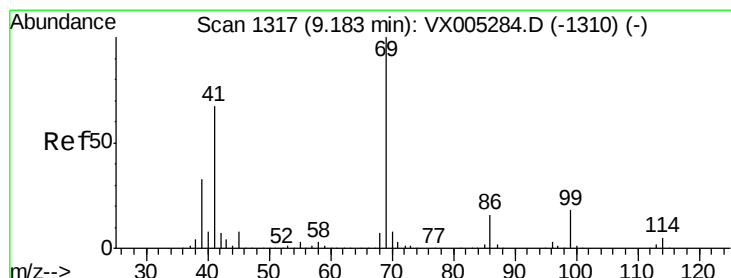
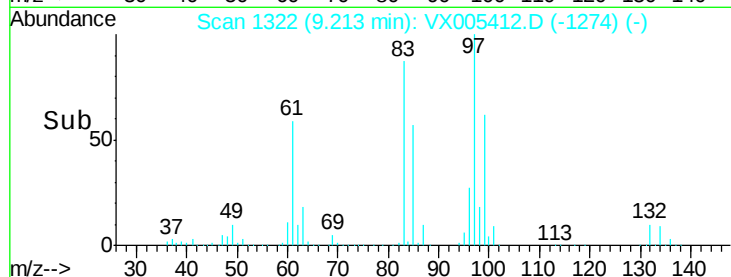
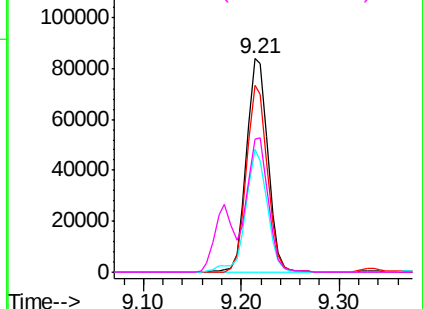
Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	66.4	99.6
85	57.3	43.3	64.9
99	62.1	49.0	73.4

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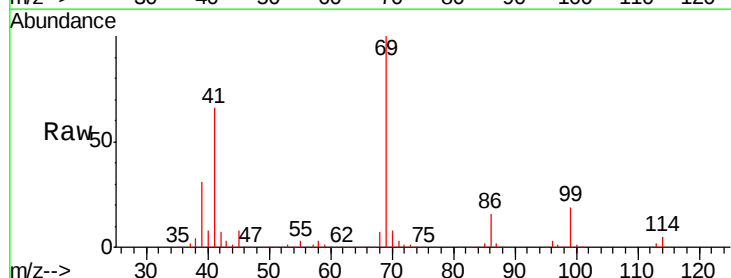


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

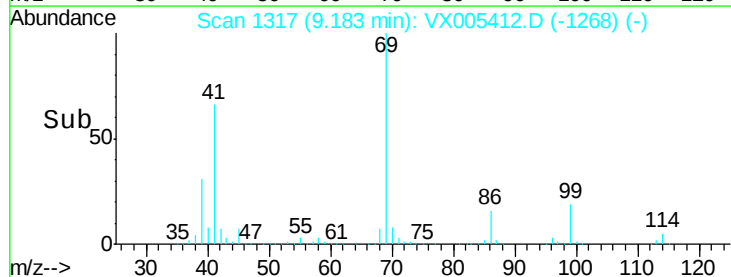
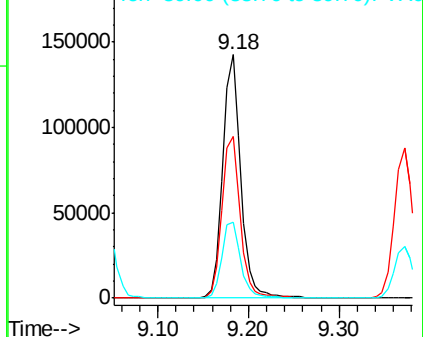


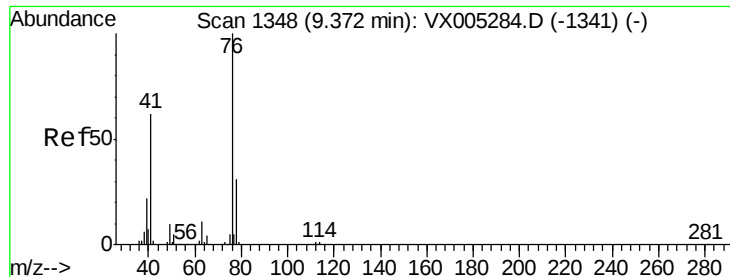
#56
 Ethyl methacrylate
 Concen: 58.25 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.7	51.0	76.4
39	32.8	26.1	39.1



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





#57

1,3-Dichloropropane

Concen: 53.86 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 76 Resp: 209613

Ion Ratio Lower Upper

76 100

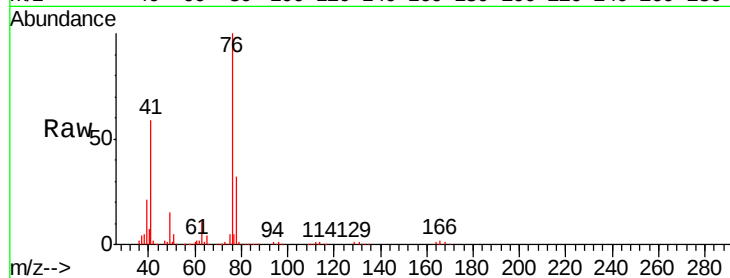
78 32.2 25.5 38.3

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

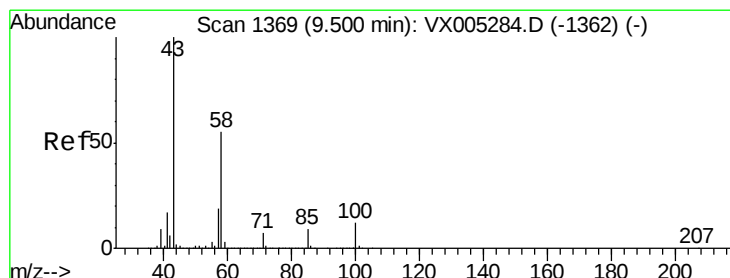
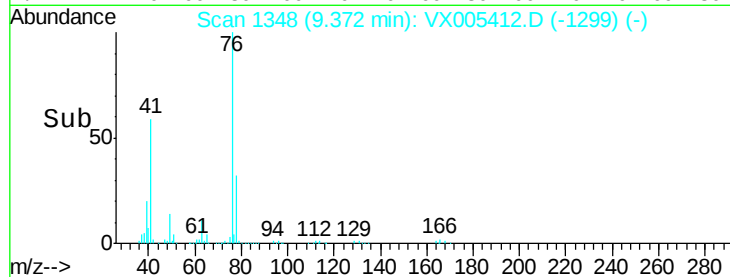
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 270.96 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VX005412.D

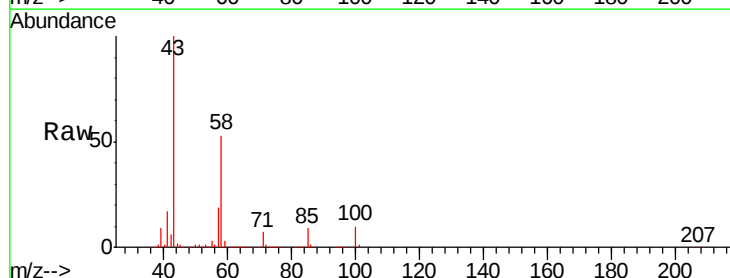
Acq: 18 Oct 2018 01:34

Tgt Ion: 43 Resp: 867302

Ion Ratio Lower Upper

43 100

58 53.7 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

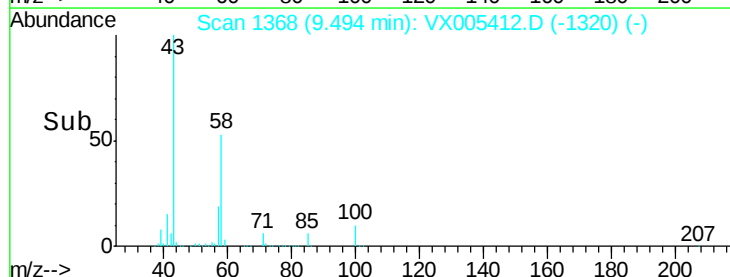
600000

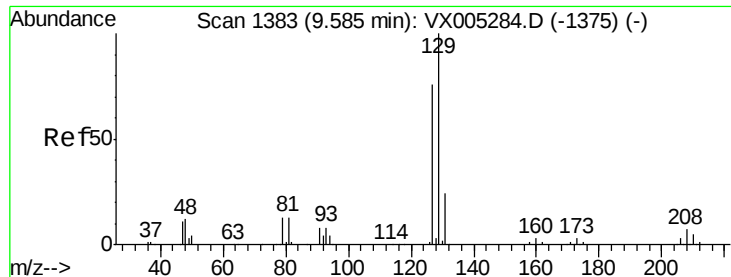
400000

200000

0

Time-->





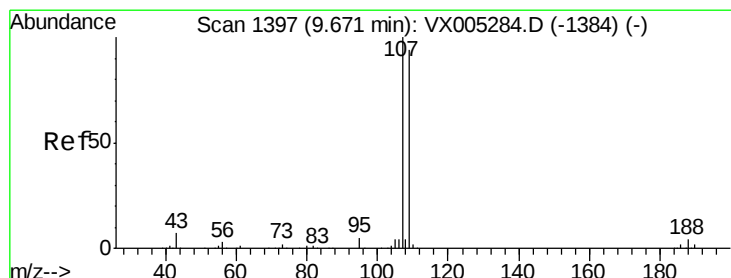
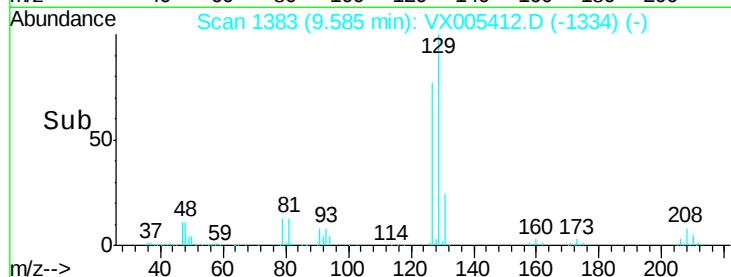
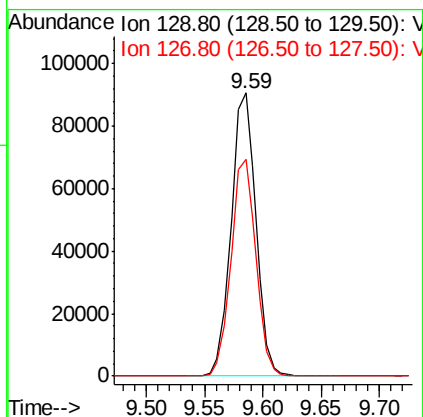
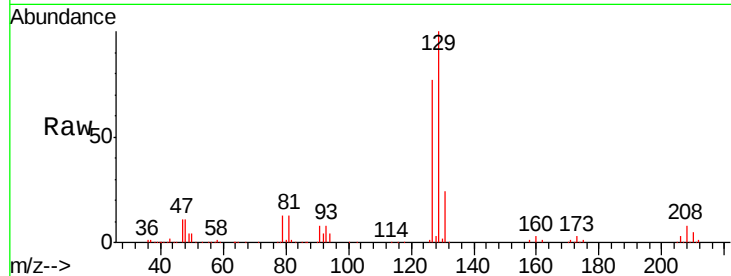
#60
 Dibromochloromethane
 Concen: 55.80 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tgt Ion	Ratio	Resp	Lower	Upper
129	100	134510		
127	77.1	38.5	115.5	

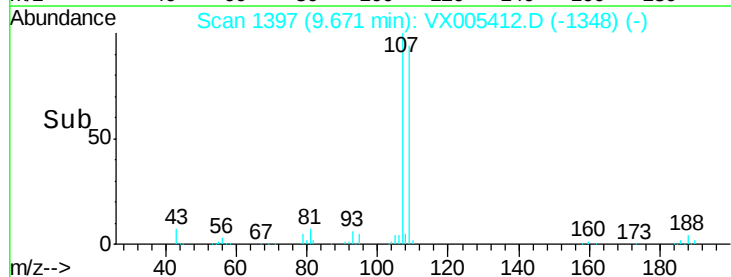
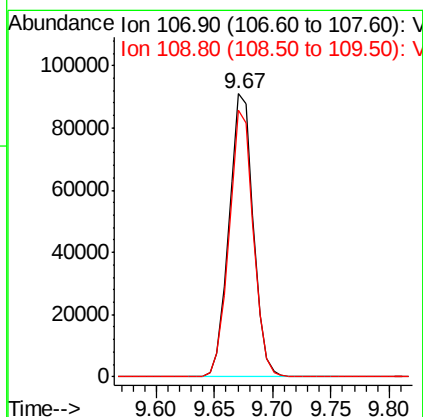
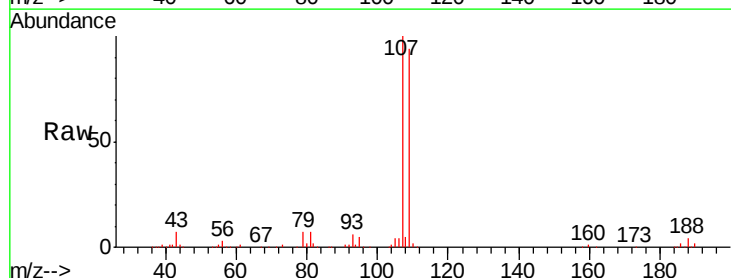
Manual Integrations
 APPROVED

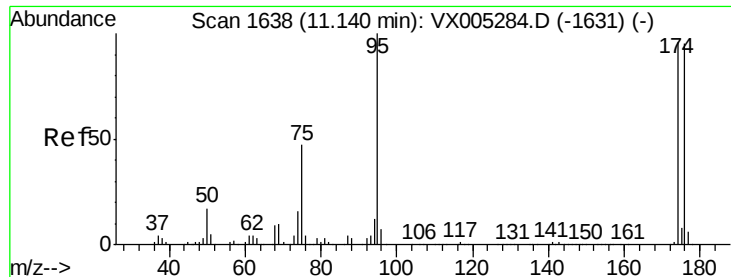
MMDadoda
 10/19/2018 12:24:00 PM



#61
 1,2-Dibromoethane
 Concen: 53.81 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	131677		
109	93.9	76.0	114.0	





#62

4-Bromofluorobenzene

Concen: 50.24 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 95 Resp: 148635

Ion Ratio Lower Upper

95 100

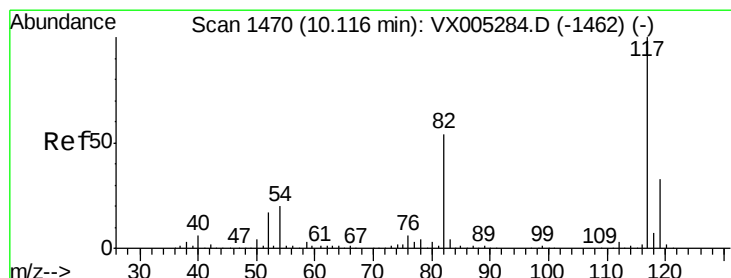
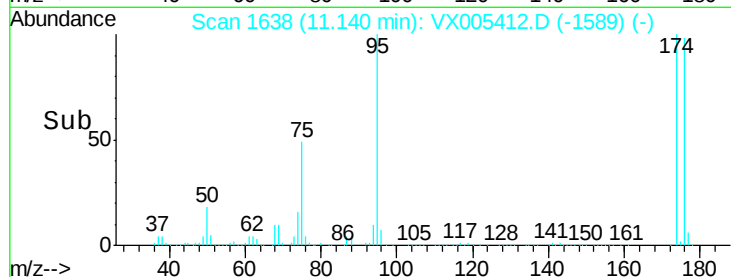
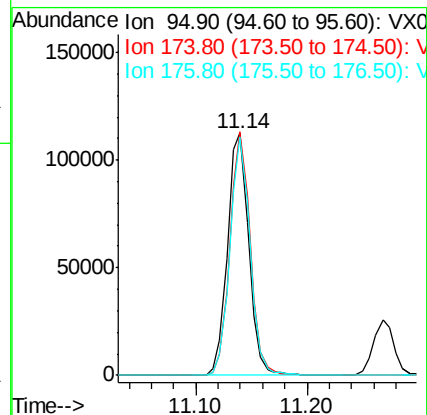
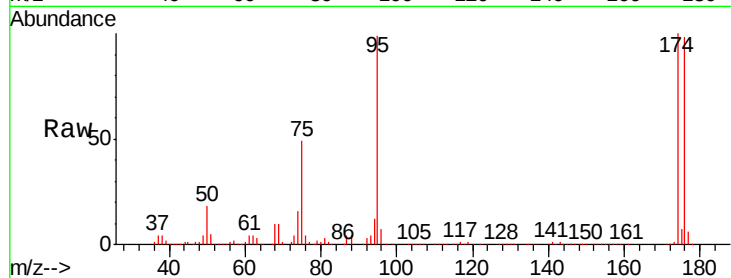
174 96.1 0.0 185.2

176 93.3 0.0 178.6

Manual Integrations
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MMDadoda

10/19/2018 12:24:00 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

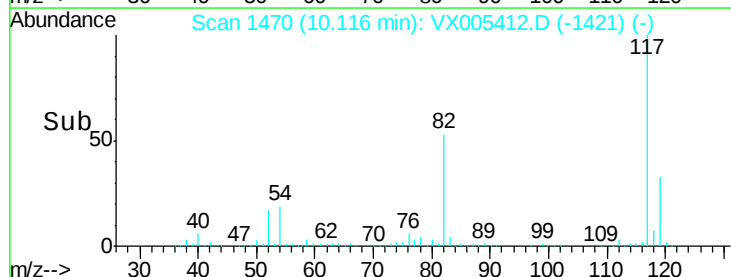
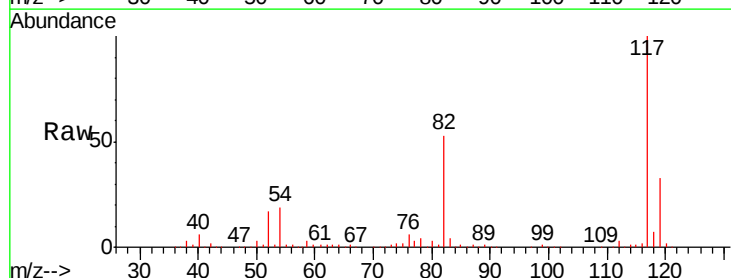
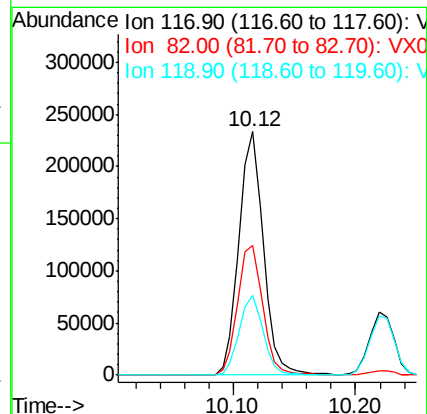
Tgt Ion: 117 Resp: 323280

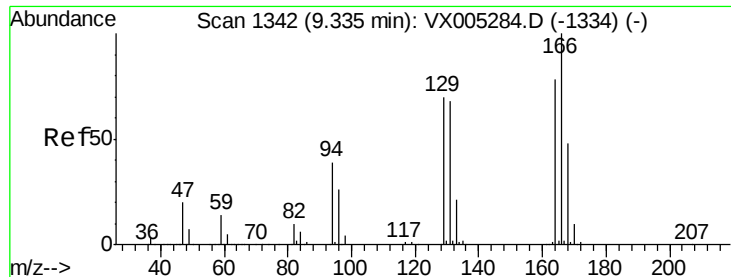
Ion Ratio Lower Upper

117 100

82 53.3 47.8 71.6

119 32.6 29.3 43.9





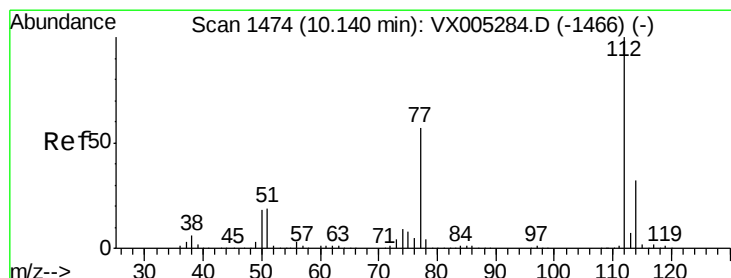
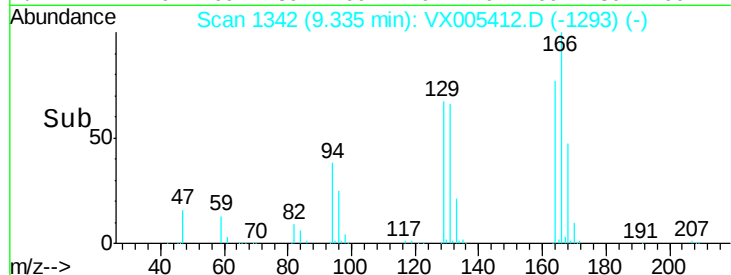
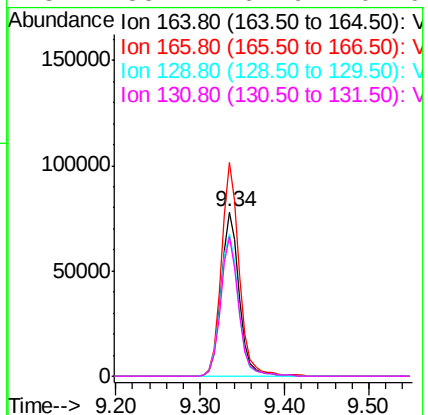
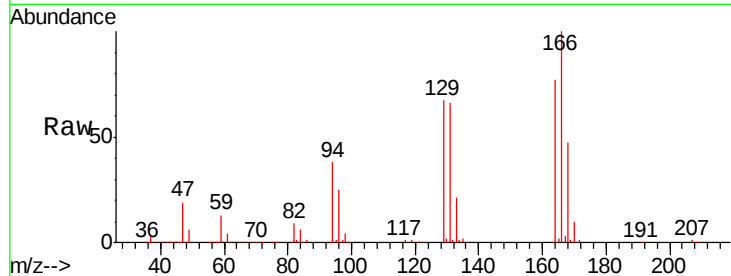
#64
Tetrachloroethene
Concen: 44.63 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.9	116159	102.8	154.2
129	86.7		69.4	104.0
131	85.1		67.9	101.9

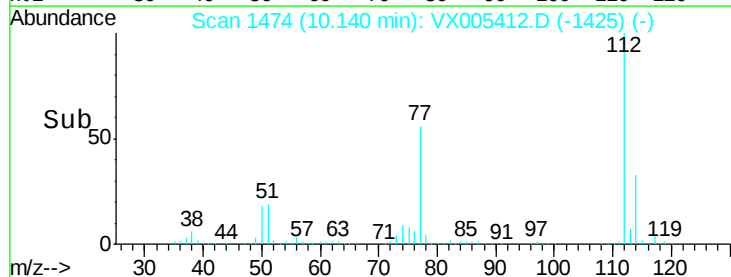
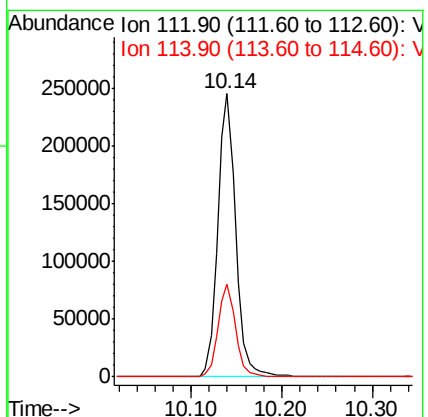
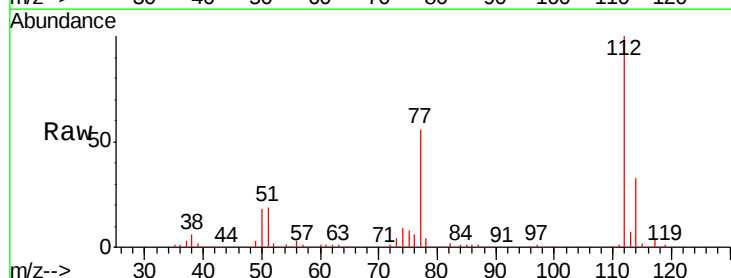
Manual Integrations
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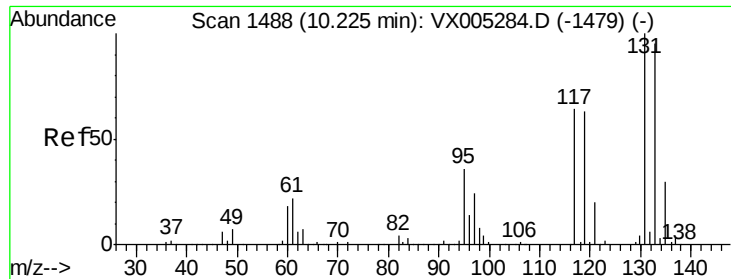
MMDadoda
10/19/2018 12:24:00 PM



#65
Chlorobenzene
Concen: 49.23 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	338555		
114	32.7		27.8	41.8





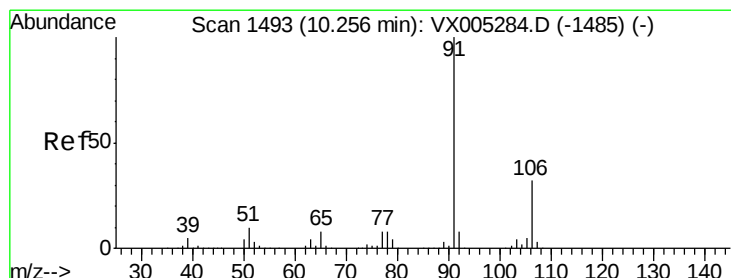
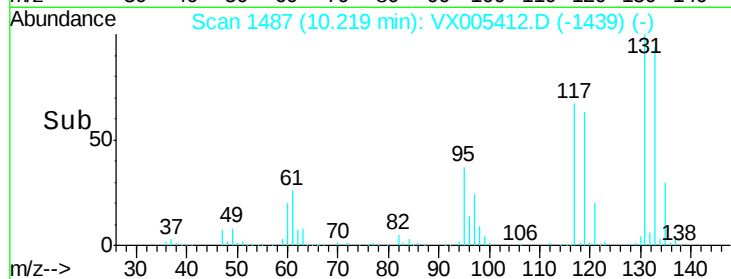
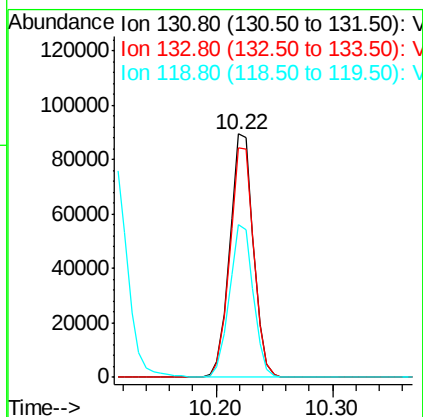
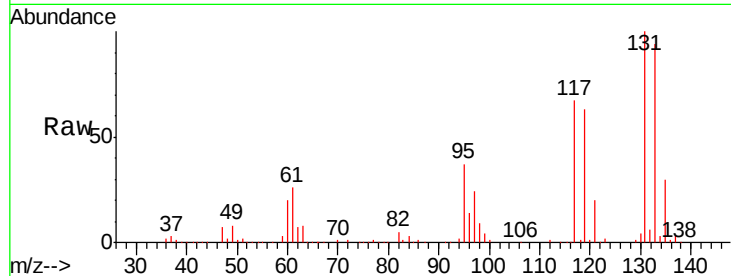
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.48 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.1	144.4
119	63.4	32.9	98.6

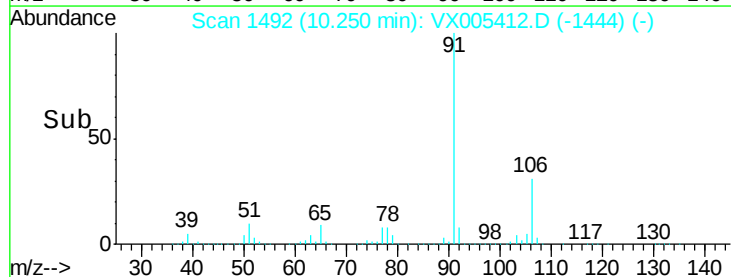
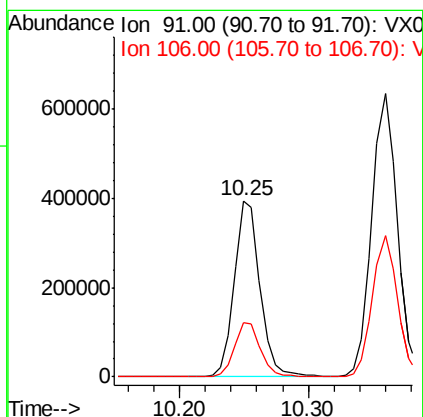
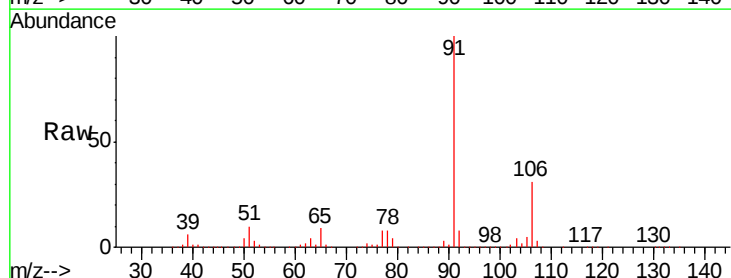
Manual Integrations
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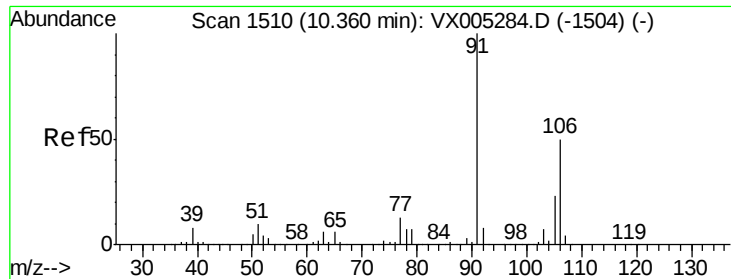
MMDadoda
 10/19/2018 12:24:00 PM



#67
 Ethyl Benzene
 Concen: 49.45 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.9	38.9





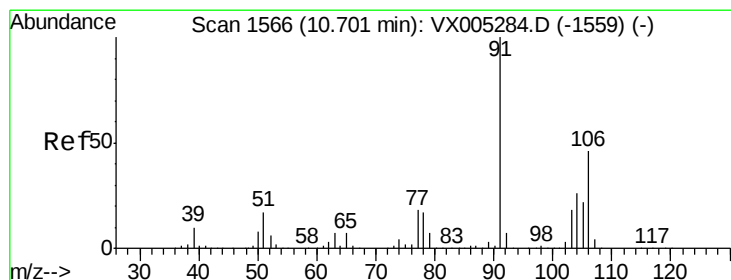
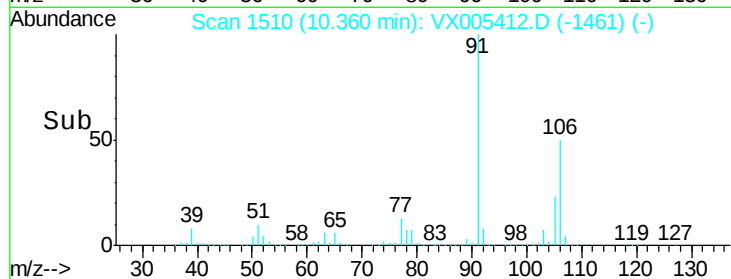
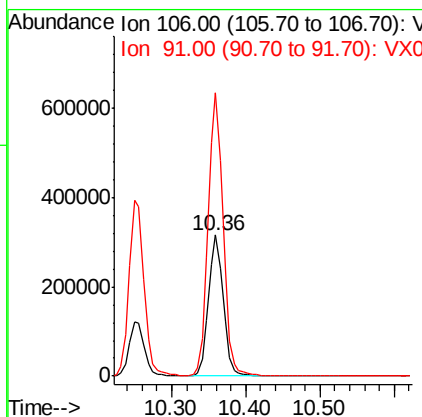
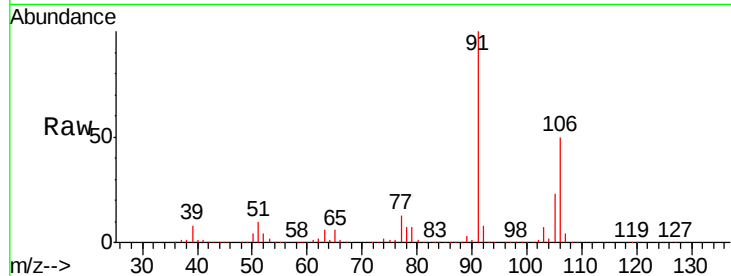
#68
m/p-Xylenes
Concen: 99.58 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion:106 Resp: 432087
Ion Ratio Lower Upper
106 100
91 202.7 157.1 235.7

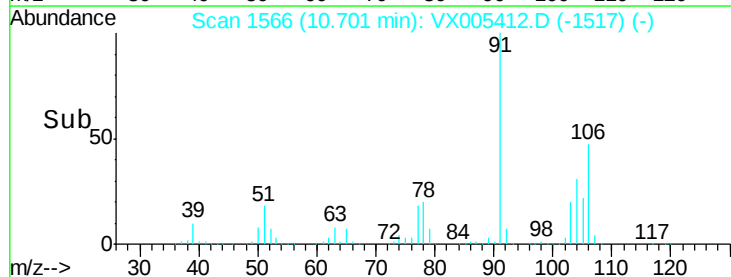
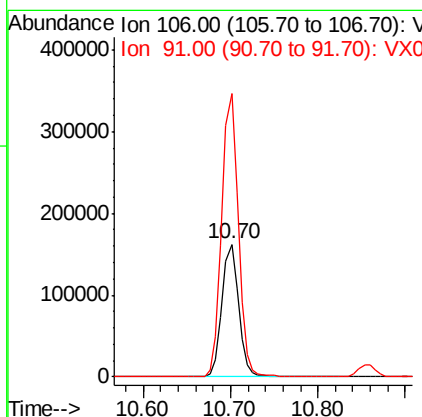
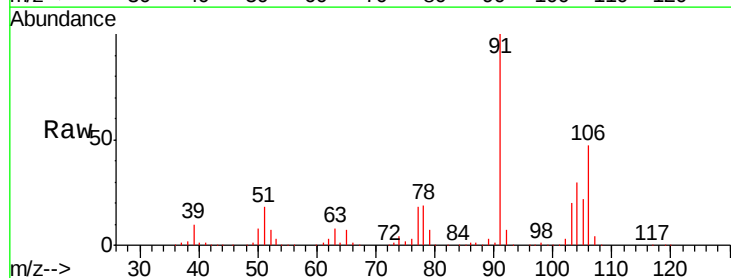
Manual Integrations
APPROVED

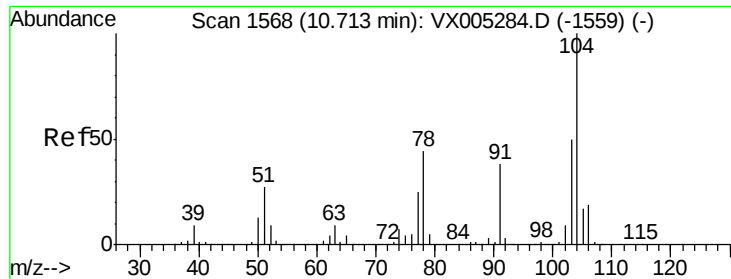
MMDadoda
10/19/2018 12:24:00 PM



#69
o-Xylene
Concen: 50.85 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion:106 Resp: 212777
Ion Ratio Lower Upper
106 100
91 214.1 105.1 315.1





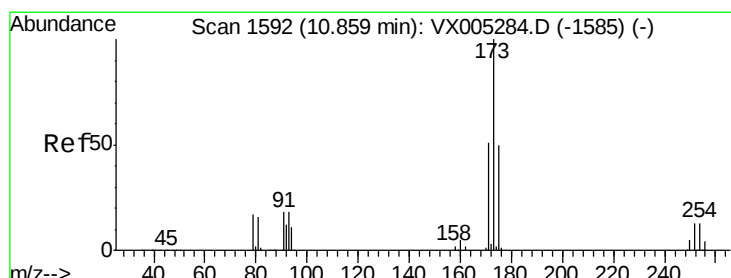
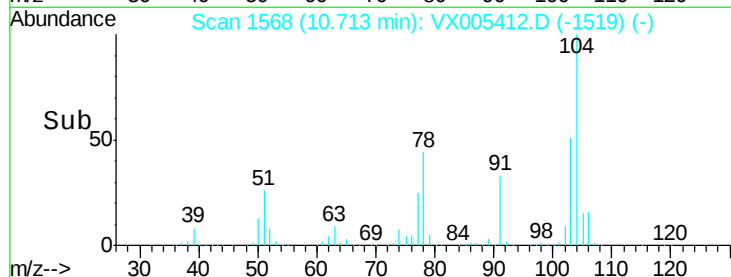
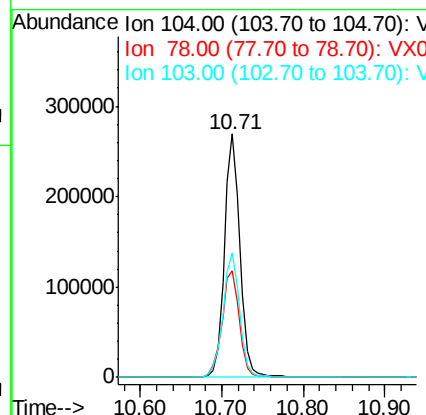
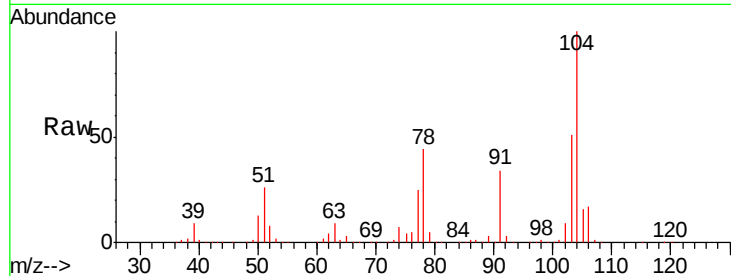
#70
Styrene
Concen: 52.32 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.5	37.4	56.0
103	55.2	43.8	65.6

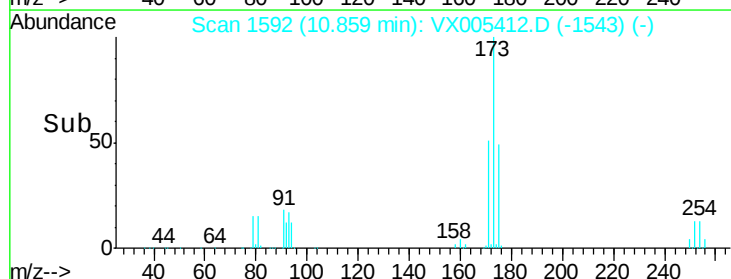
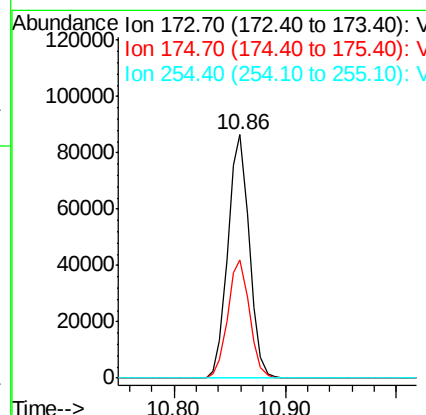
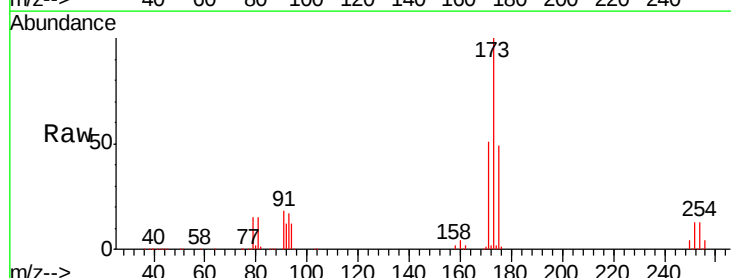
Manual Integrations
APPROVED

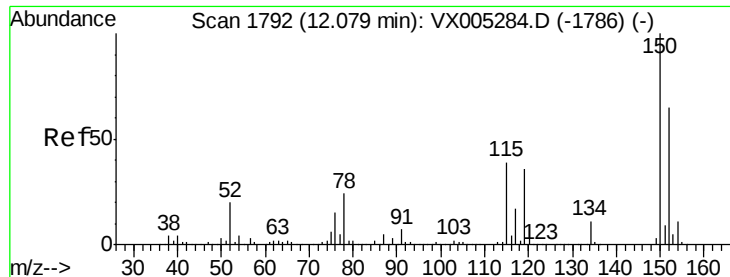
MMDadoda
10/19/2018 12:24:00 PM



#71
Bromoform
Concen: 52.53 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion:152 Resp: 186058

Ion Ratio Lower Upper

152 100

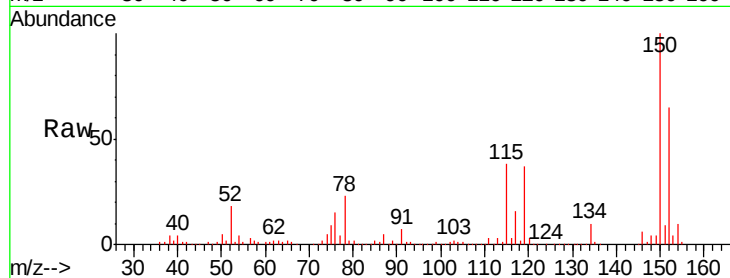
115 75.5 39.0 117.0

150 171.3 0.0 351.0

Manual Integrations
APPROVED

MMDadoda

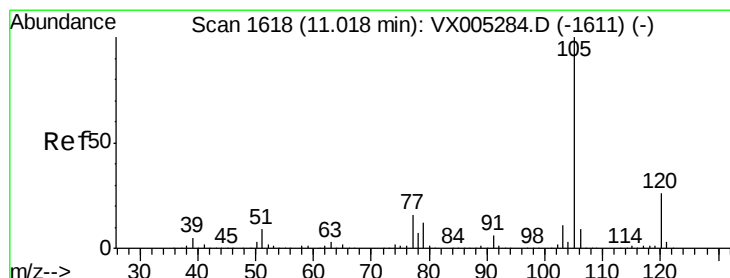
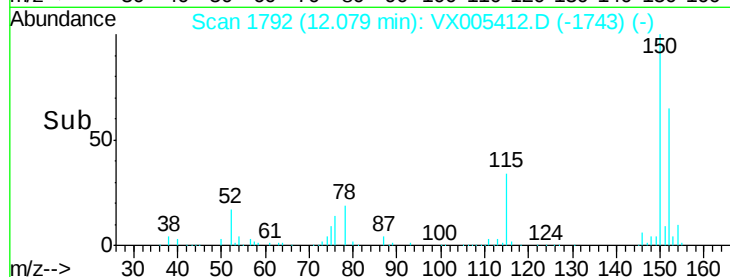
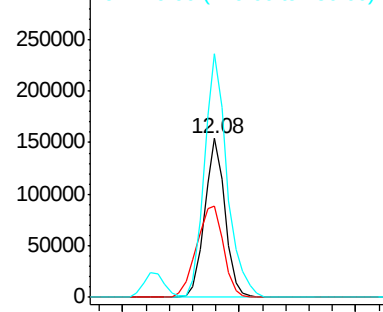
10/19/2018 12:24:00 PM



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: 51.02 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005412.D

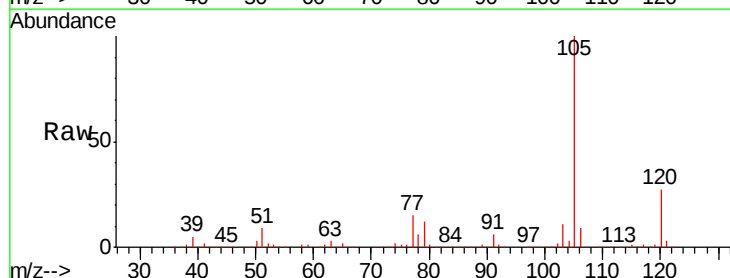
Acq: 18 Oct 2018 01:34

Tgt Ion:105 Resp: 564329

Ion Ratio Lower Upper

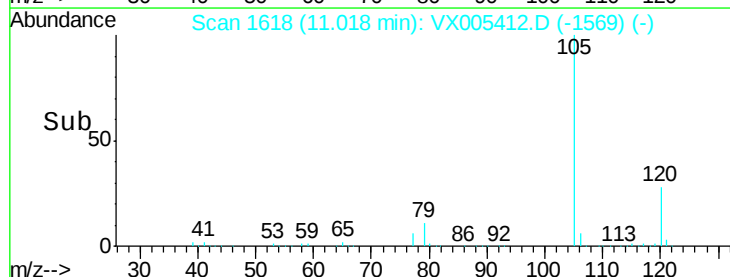
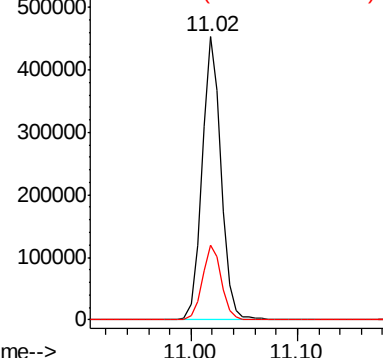
105 100

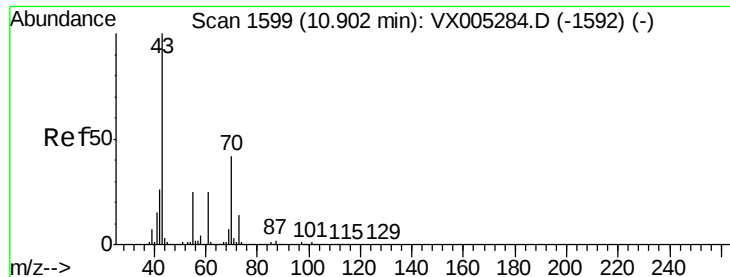
120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 51.54 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 43 Resp: 274930

Ion Ratio Lower Upper

43 100

70 41.6 37.4 56.0

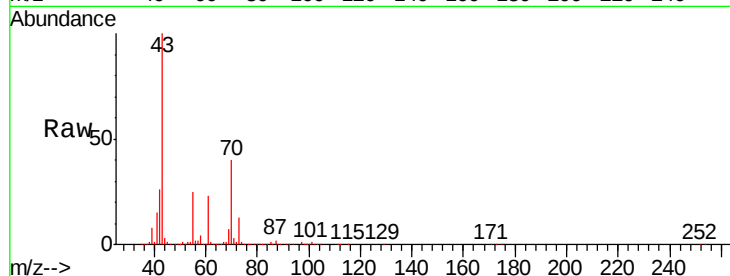
55 25.3 21.8 32.8

61 24.2 20.6 30.8

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MMDadoda

10/19/2018 12:24:00 PM

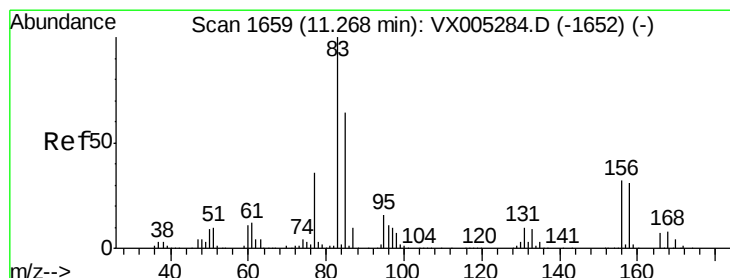
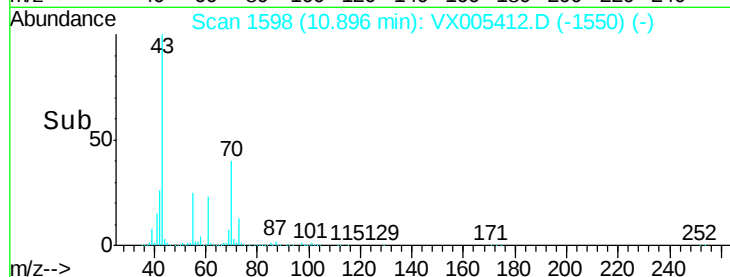
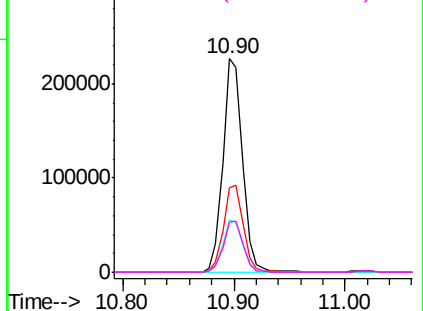


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 50.84 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

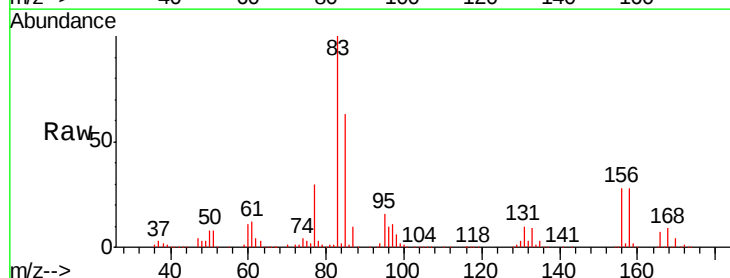
Tgt Ion: 83 Resp: 212122

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

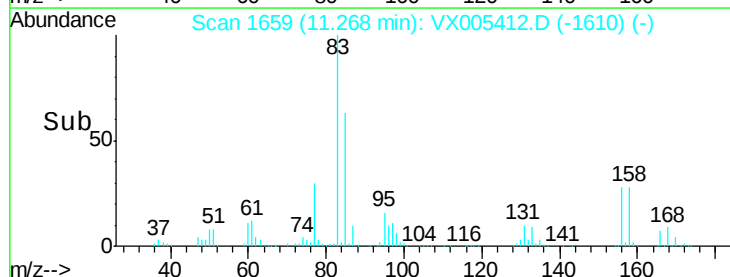
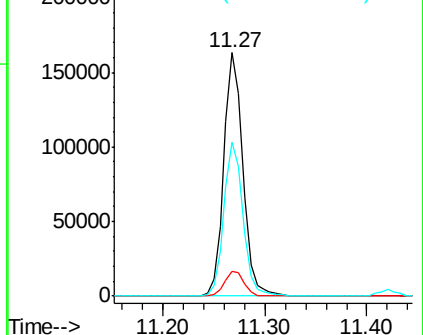
85 63.7 32.3 96.8

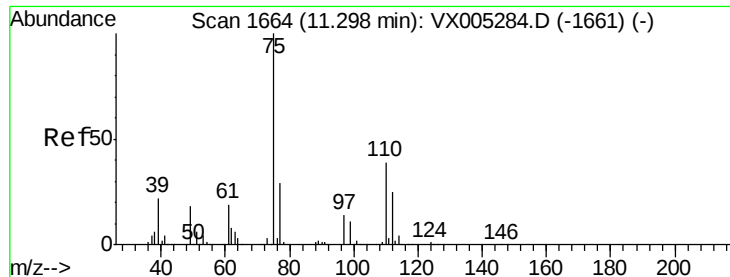


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





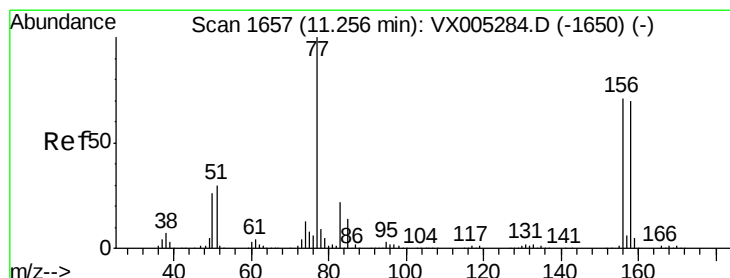
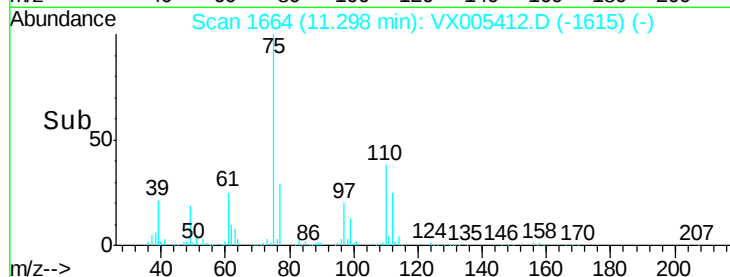
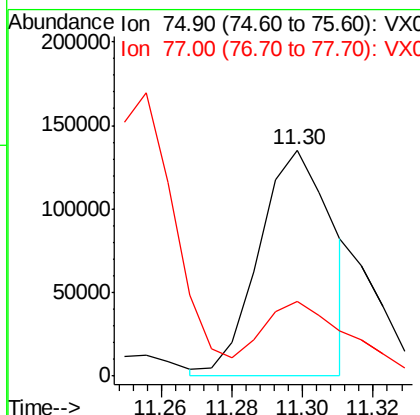
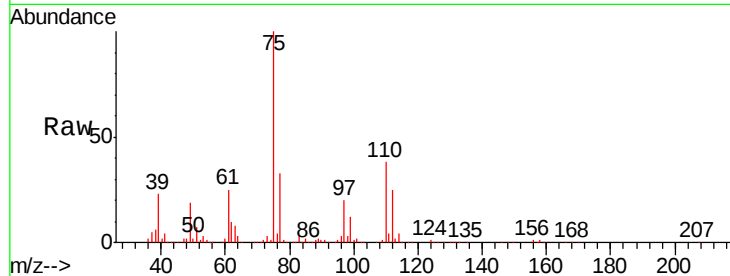
#76
 1,2,3-Trichloropropane
 Concen: 53.83 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tgt Ion: 75 Resp: 194261
 Ion Ratio Lower Upper
 75 100
 77 39.4 20.2 60.6

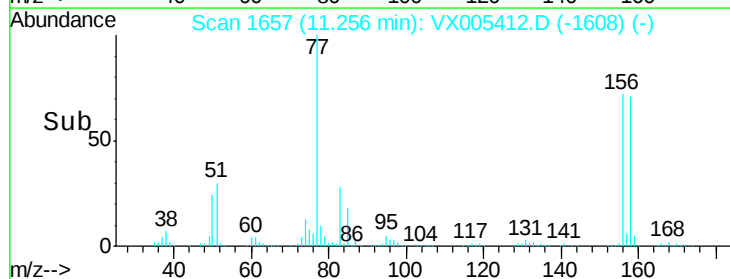
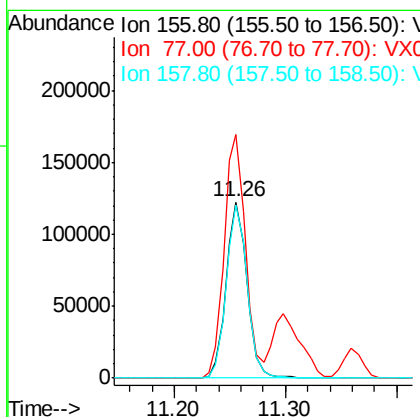
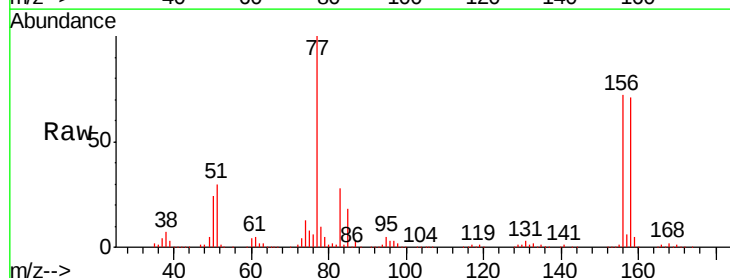
Manual Integrations
 APPROVED

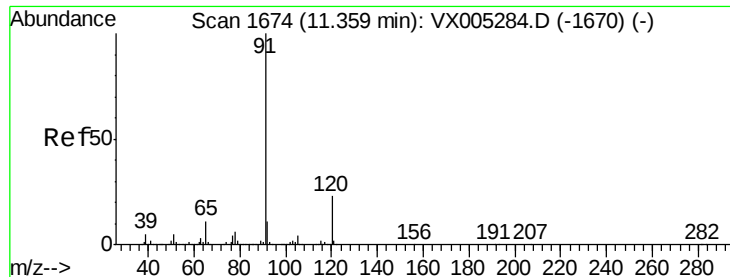
MMDadoda
 10/19/2018 12:24:00 PM



#77
 Bromobenzene
 Concen: 50.21 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 156 Resp: 158804
 Ion Ratio Lower Upper
 156 100
 77 141.7 71.5 214.3
 158 98.8 48.9 146.8





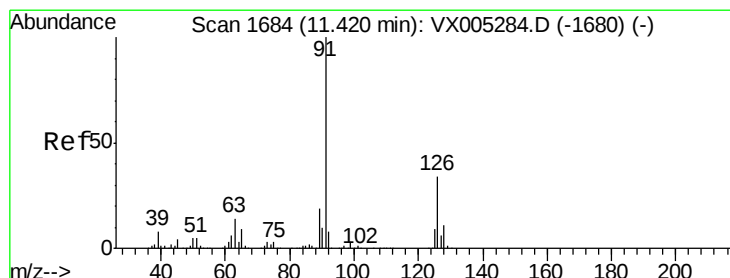
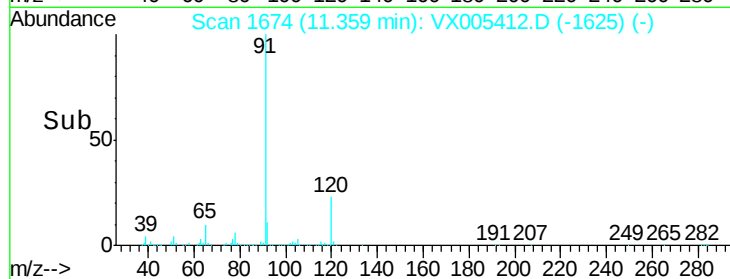
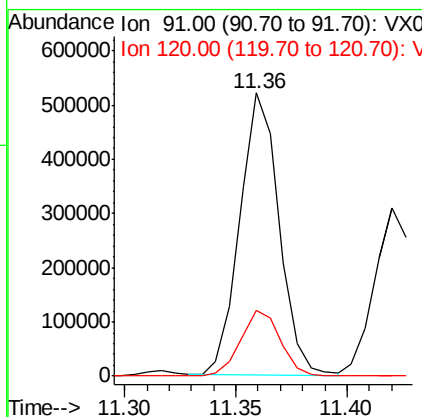
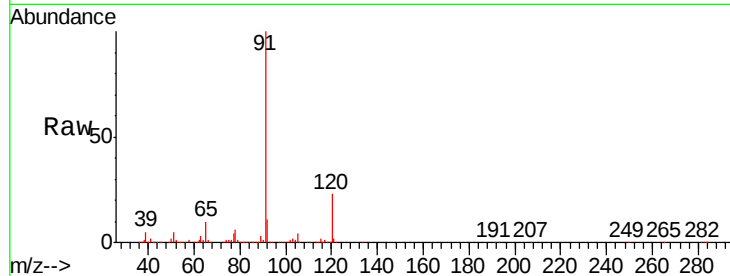
#78
n-propylbenzene
Concen: 50.39 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion: 91 Resp: 641365
Ion Ratio Lower Upper
91 100
120 23.9 11.9 35.9

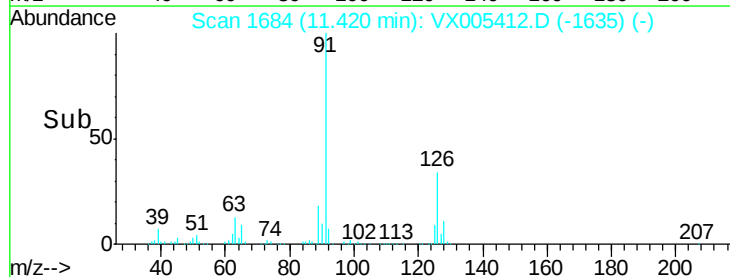
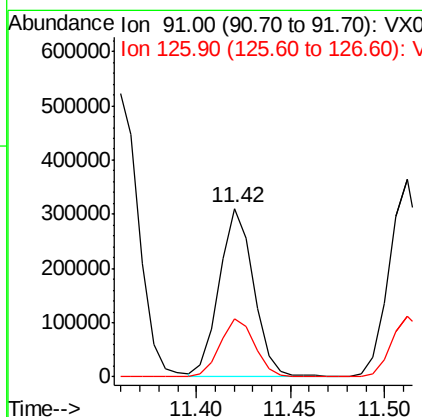
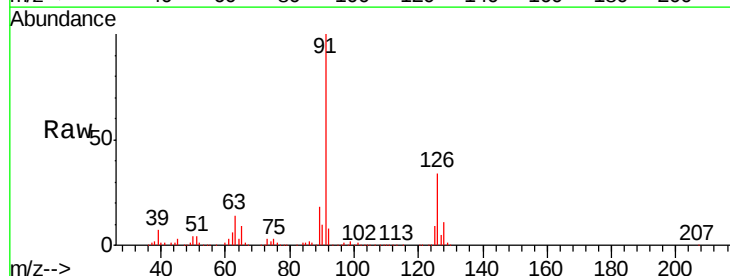
Manual Integrations
APPROVED

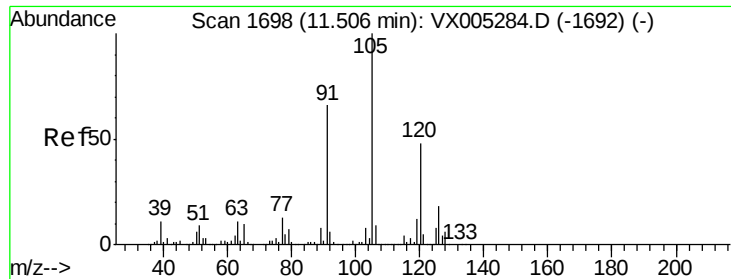
MMDadoda
10/19/2018 12:24:00 PM



#79
2-Chlorotoluene
Concen: 49.93 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 91 Resp: 389177
Ion Ratio Lower Upper
91 100
126 35.2 17.9 53.7





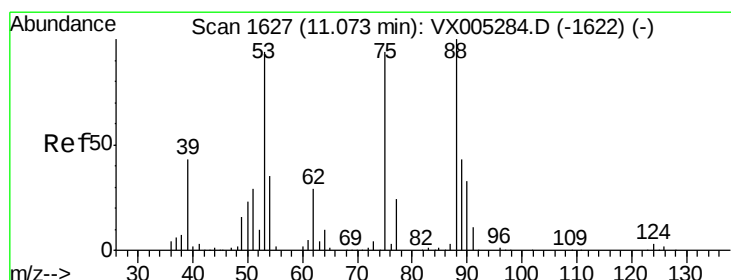
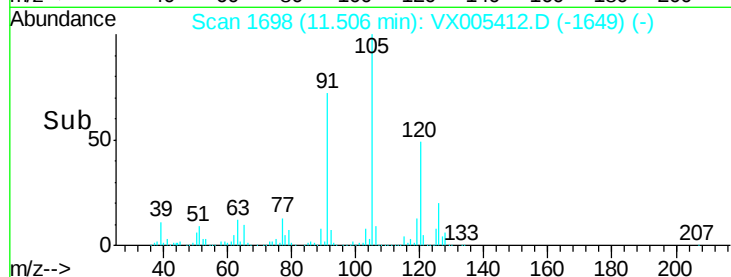
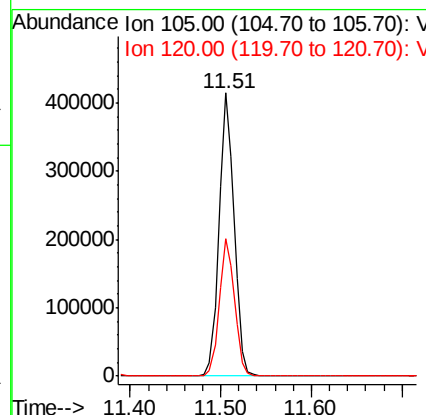
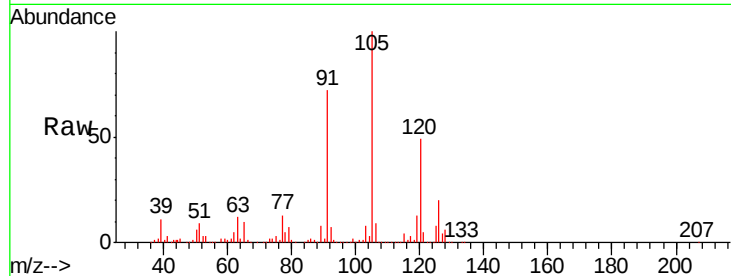
#80
 1,3,5-Trimethylbenzene
 Concen: 51.29 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tgt Ion: 105 Resp: 485758
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.6 76.8

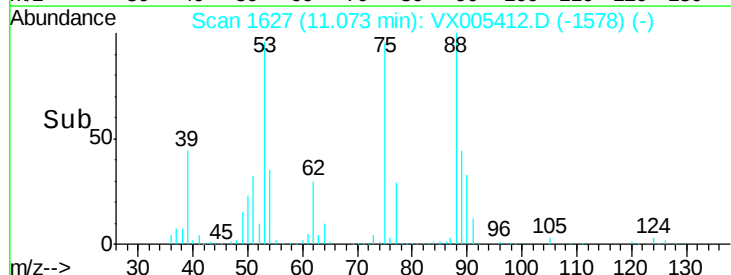
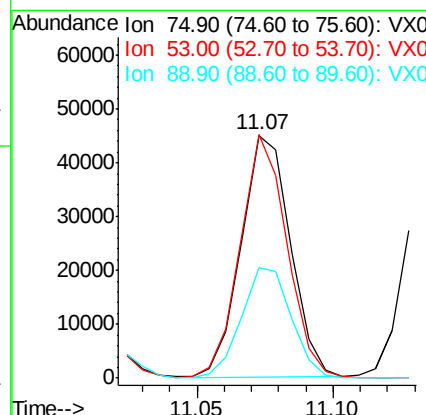
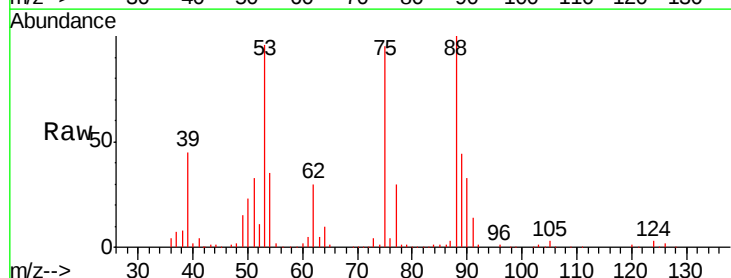
Manual Integrations
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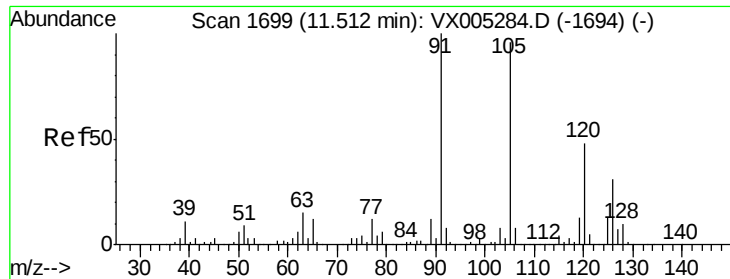
MMDadoda
 10/19/2018 12:24:00 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.53 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 75 Resp: 56454
 Ion Ratio Lower Upper
 75 100
 53 95.7 80.1 120.1
 89 46.6 37.2 55.8





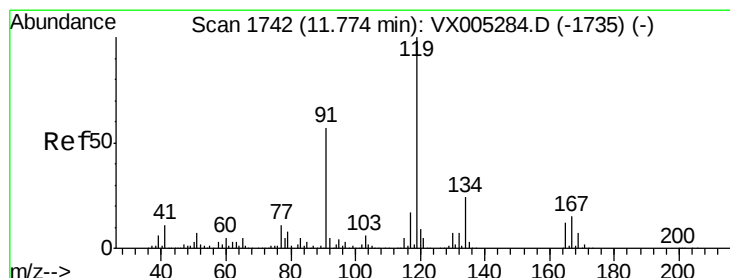
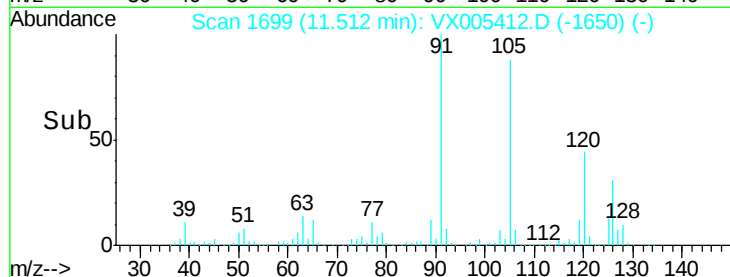
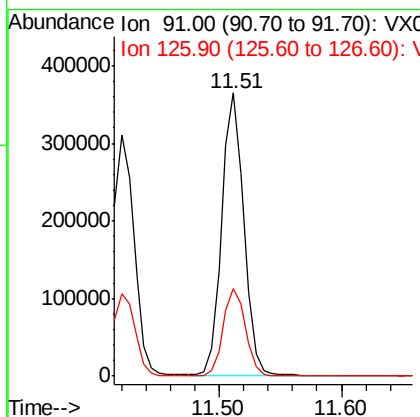
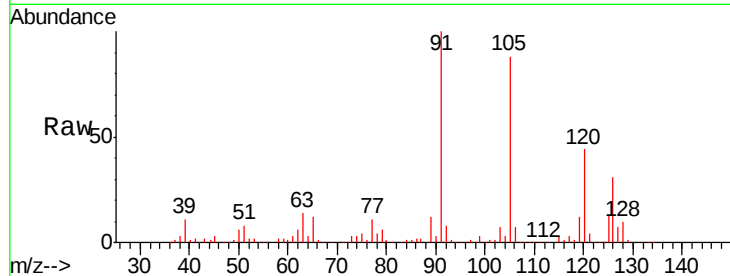
#82
4-Chlorotoluene
Concen: 49.70 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion: 91 Resp: 459286
Ion Ratio Lower Upper
91 100
126 31.1 15.5 46.5

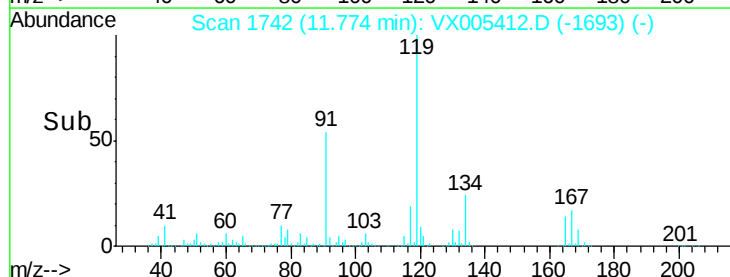
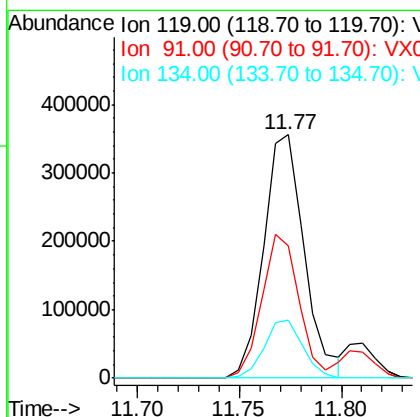
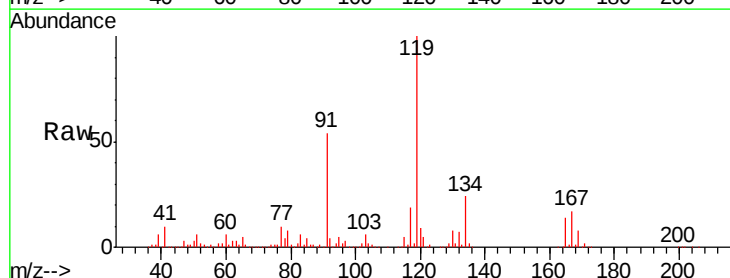
Manual Integrations
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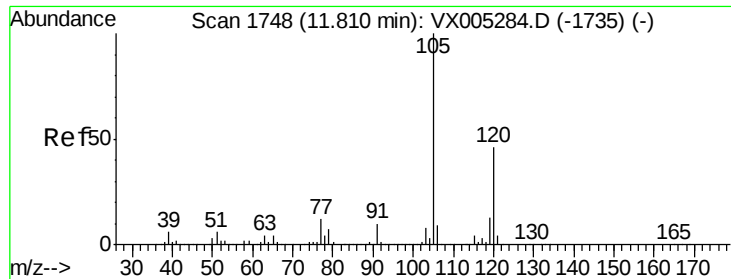
MMDadoda
10/19/2018 12:24:00 PM



#83
tert-Butylbenzene
Concen: 51.45 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion: 119 Resp: 493495
Ion Ratio Lower Upper
119 100
91 54.2 27.0 81.0
134 22.8 11.7 35.1





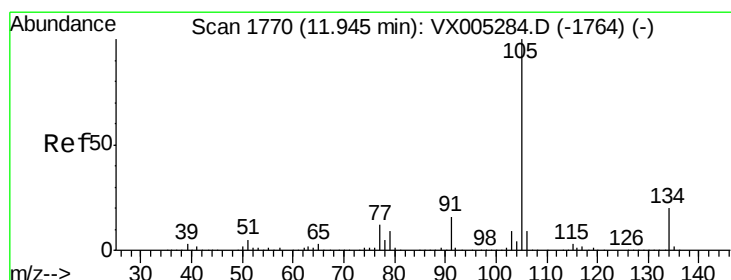
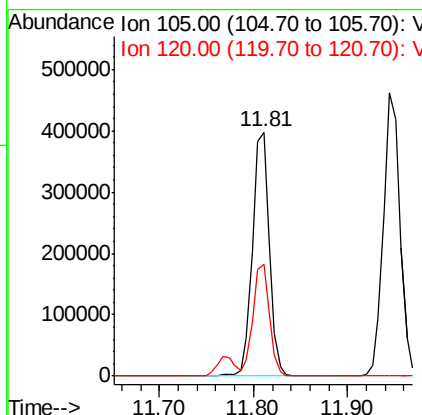
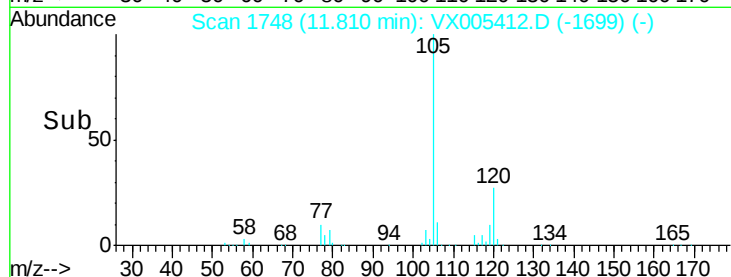
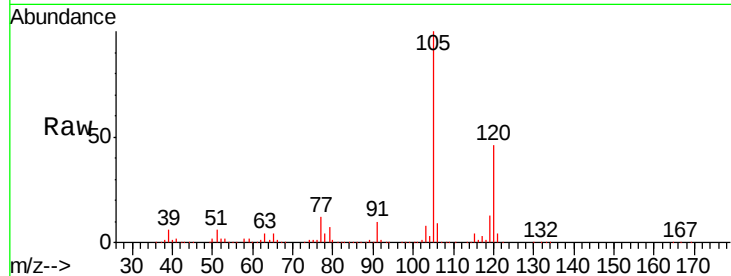
#84
1,2,4-Trimethylbenzene
Concen: 51.79 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion:105 Resp: 504821
Ion Ratio Lower Upper
105 100
120 45.0 23.2 69.6

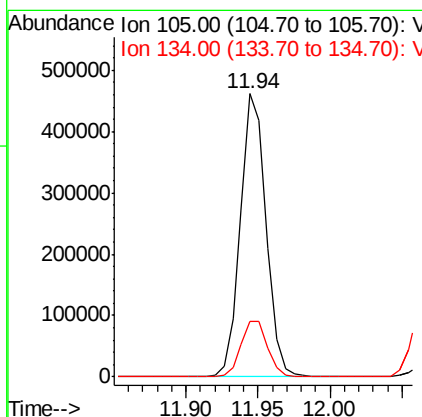
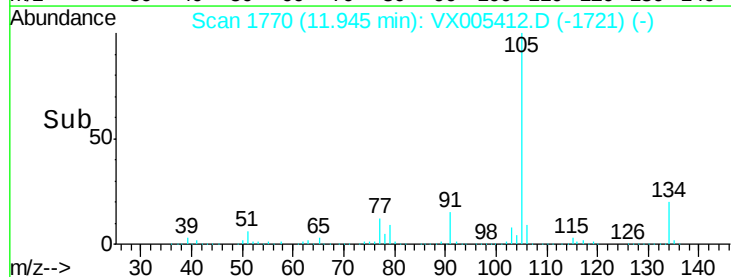
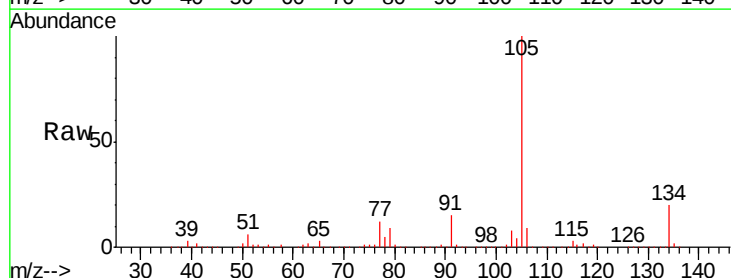
Manual Integrations
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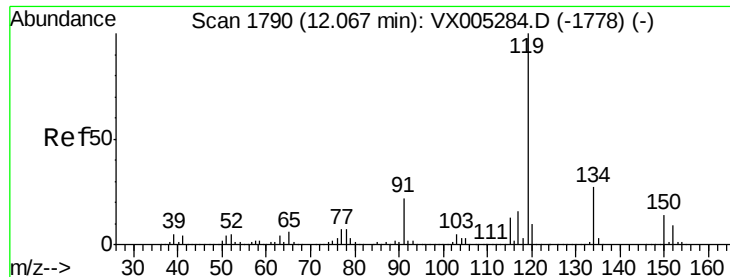
MMDadoda
10/19/2018 12:24:00 PM



#85
sec-Butylbenzene
Concen: 50.19 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion:105 Resp: 569702
Ion Ratio Lower Upper
105 100
134 20.6 10.5 31.5





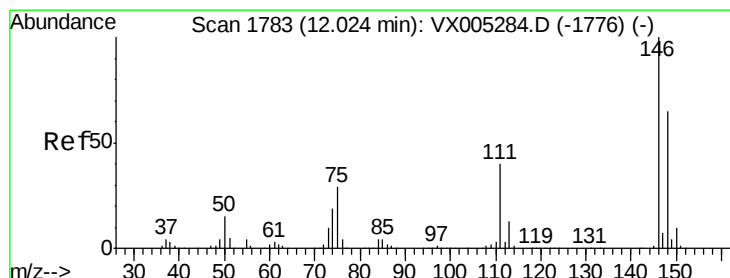
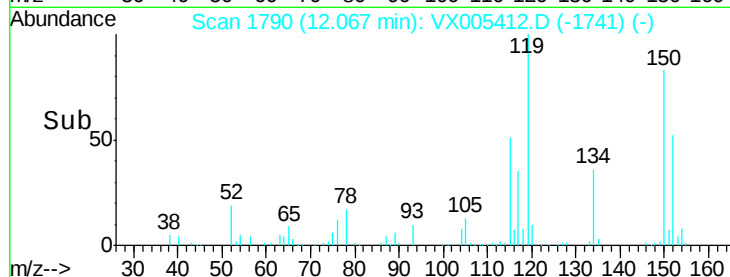
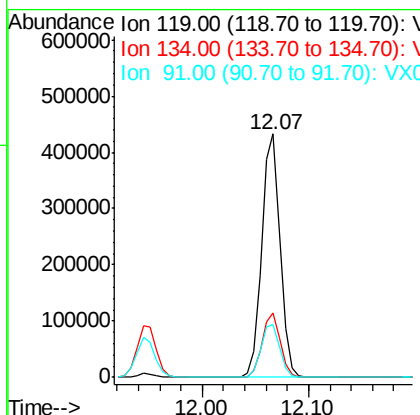
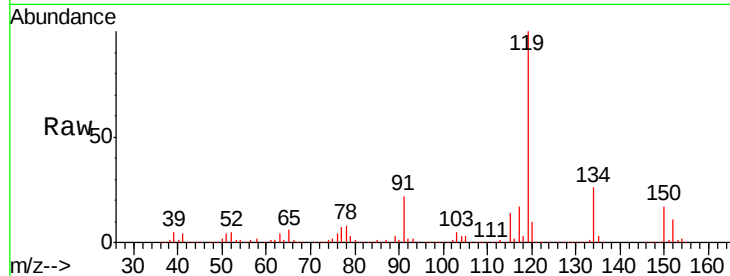
#86
p-Isopropyltoluene
Concen: 50.90 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	22.5	10.9	32.7

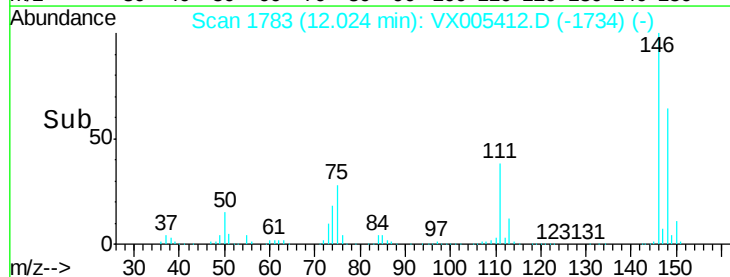
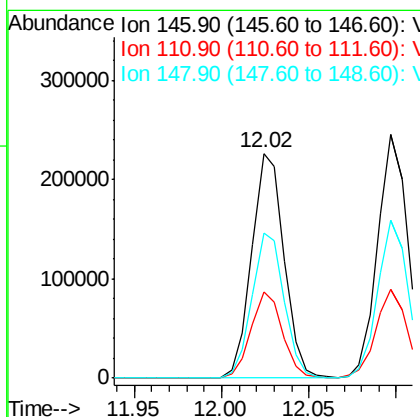
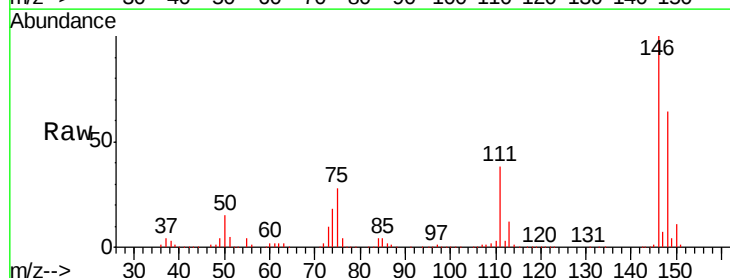
Manual Integrations
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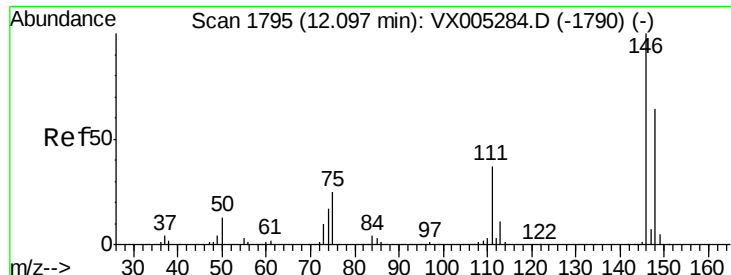
MMDadoda
10/19/2018 12:24:00 PM



#87
1,3-Dichlorobenzene
Concen: 49.33 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.4	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 49.33 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

RLF-GW-9SMSD

Tgt Ion: 146 Resp: 298213

Ion Ratio Lower Upper

146 100

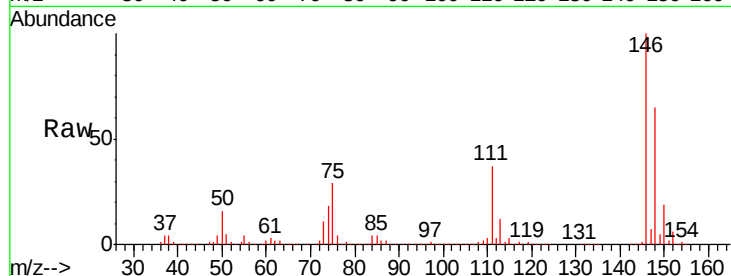
111 37.1 18.1 54.1

148 64.9 32.0 96.0

Manual Integrations
APPROVED

MMDadoda

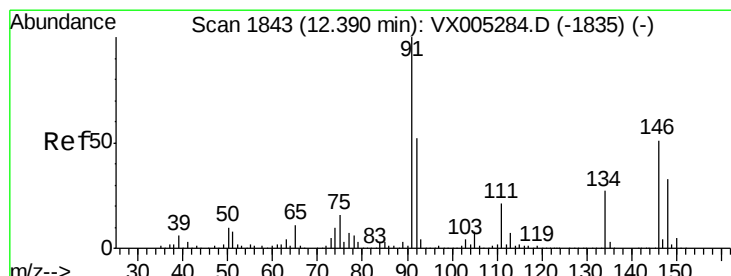
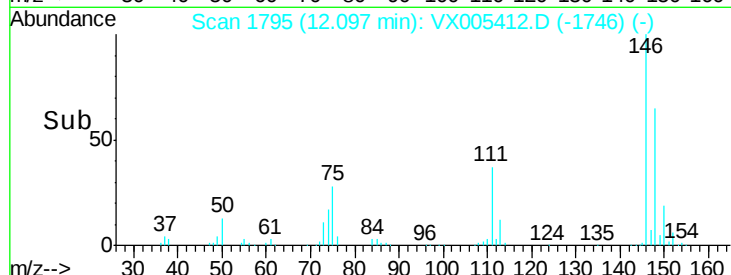
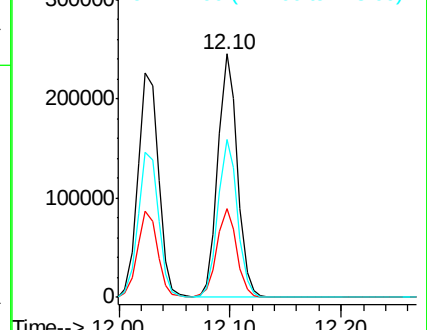
10/19/2018 12:24:00 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 48.43 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005412.D

Acq: 18 Oct 2018 01:34

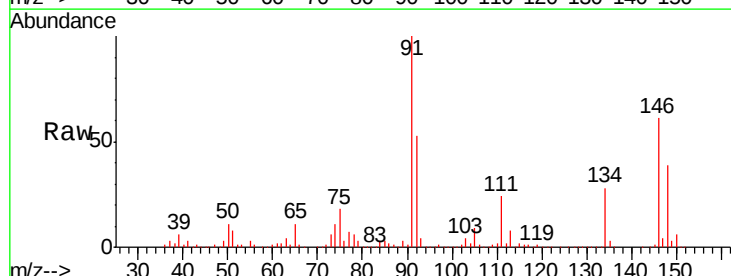
Tgt Ion: 91 Resp: 451128

Ion Ratio Lower Upper

91 100

92 52.7 27.3 81.9

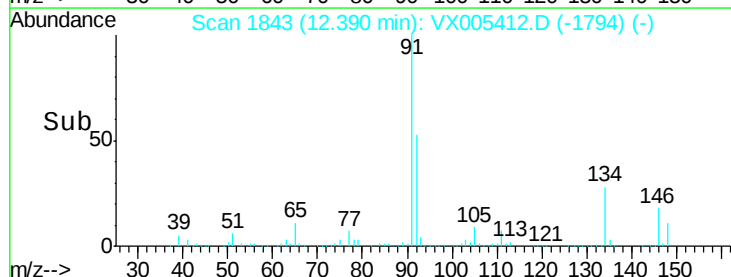
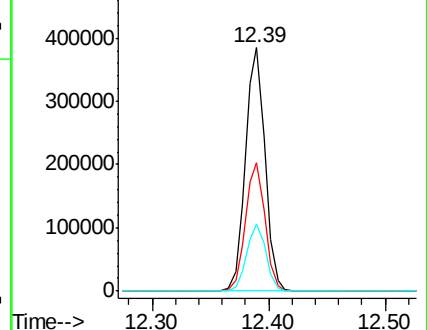
134 27.4 13.6 40.7

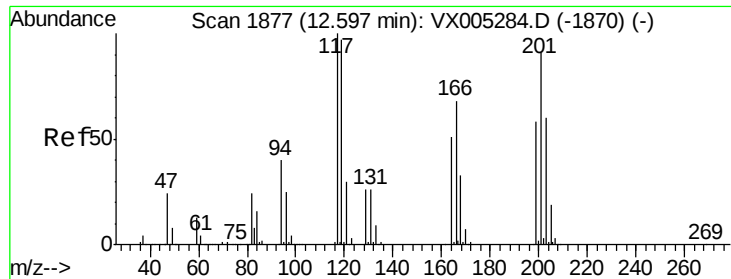


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





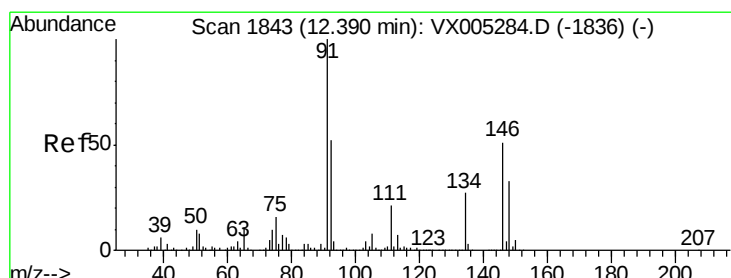
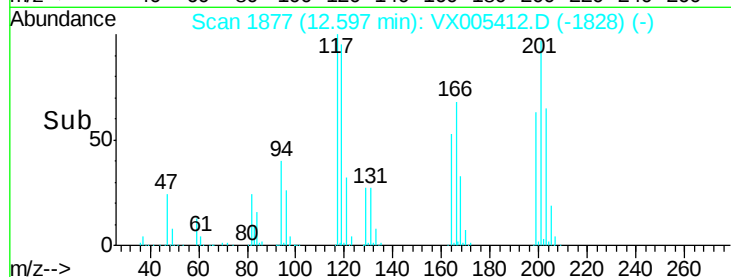
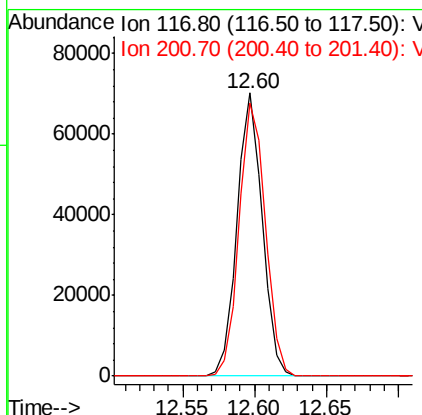
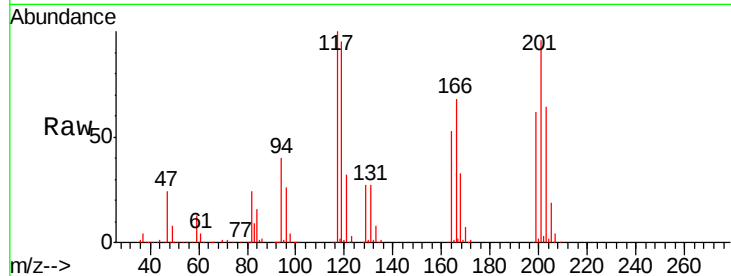
#90
Hexachloroethane
Concen: 48.45 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion:117 Resp: 85657
Ion Ratio Lower Upper
117 100
201 100.3 46.9 140.6

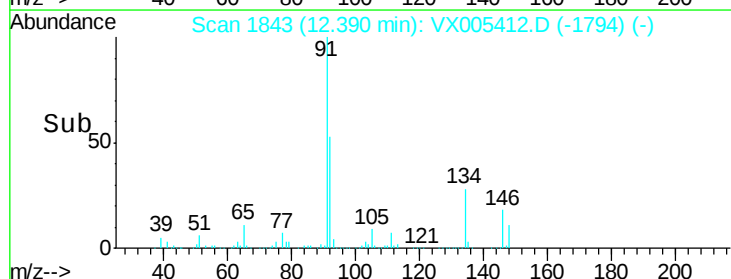
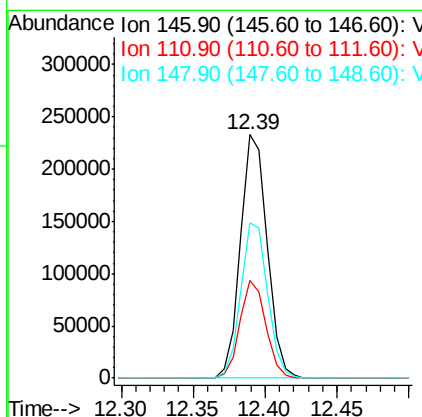
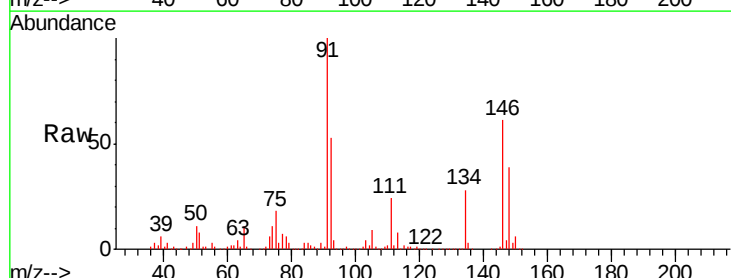
Manual Integrations
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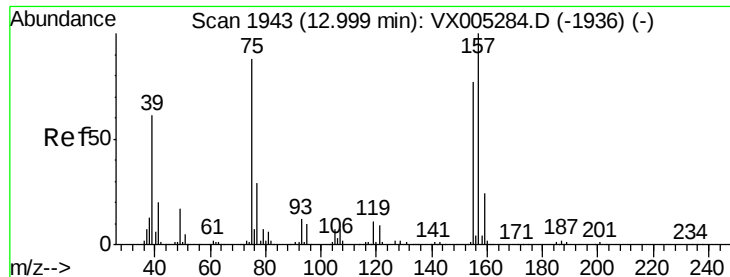
MMDadoda
10/19/2018 12:24:00 PM



#91
1,2-Dichlorobenzene
Concen: 49.71 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion:146 Resp: 299760
Ion Ratio Lower Upper
146 100
111 38.9 19.4 58.1
148 64.3 32.8 98.3





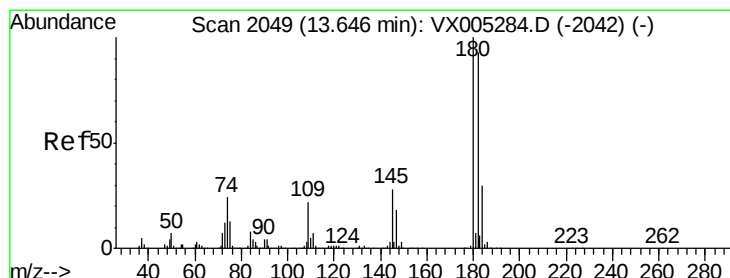
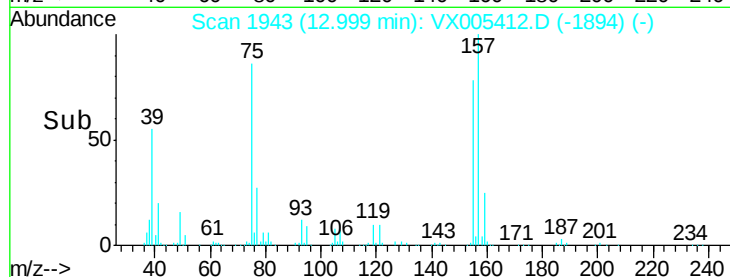
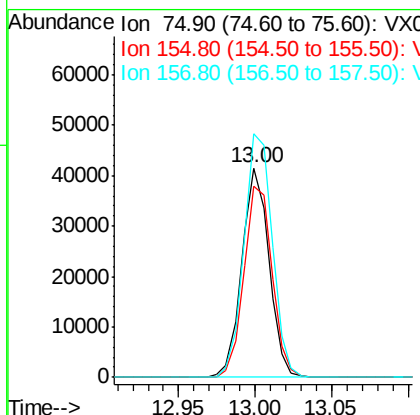
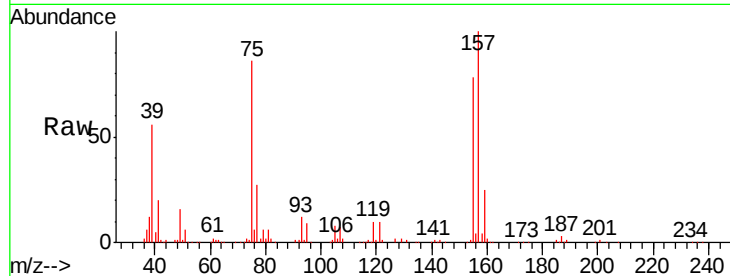
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.20 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tgt Ion: 75 Resp: 51089
 Ion Ratio Lower Upper
 75 100
 155 95.2 48.0 144.2
 157 121.9 61.4 184.1

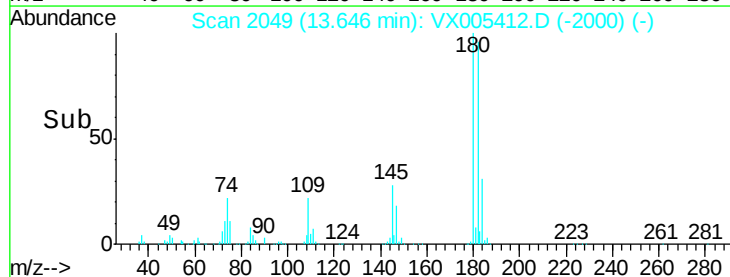
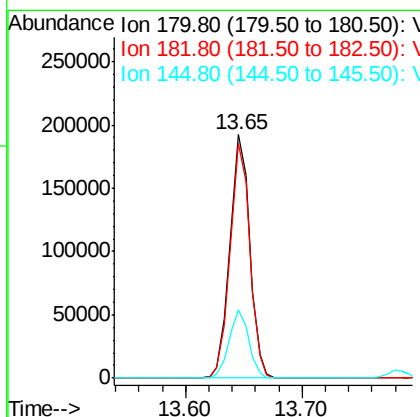
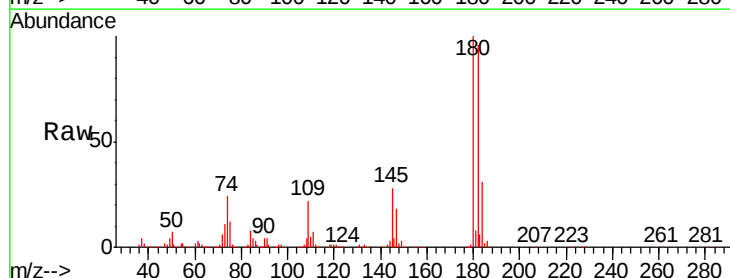
Manual Integrations
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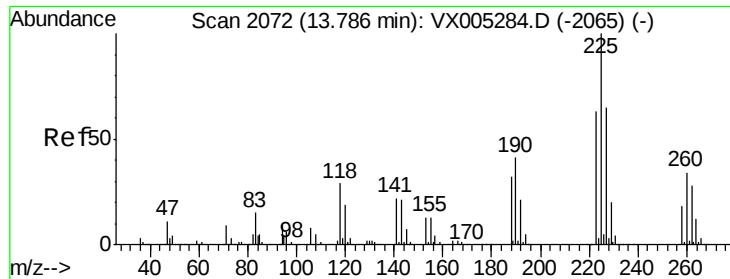
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#93
 1,2,4-Trichlorobenzene
 Concen: 51.88 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Tgt Ion: 180 Resp: 229535
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.4 145.0
 145 27.6 14.3 42.9





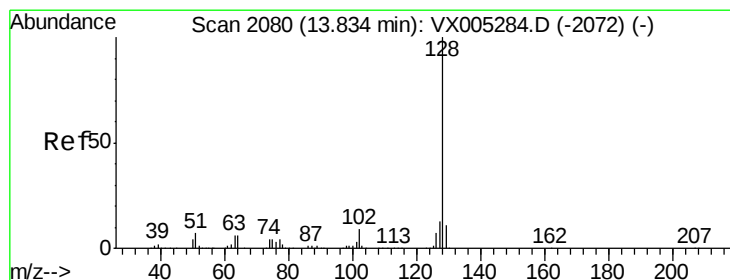
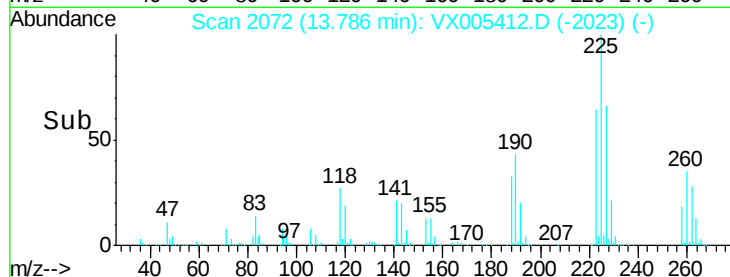
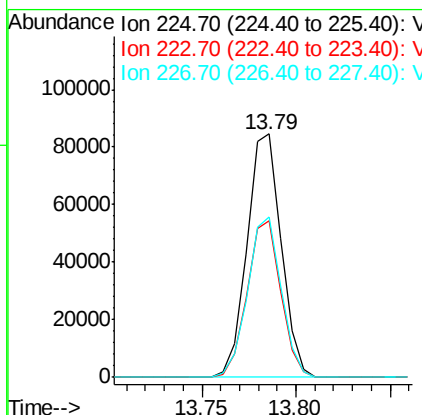
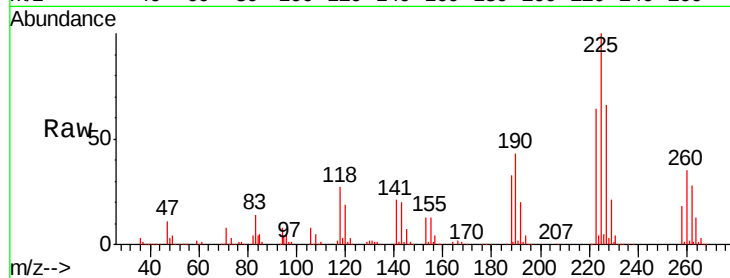
#94
Hexachlorobutadiene
Concen: 45.52 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Instrument :
MSVOA_X
ClientSampleId :
RLF-GW-9SMSD

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106377		
223	63.4		30.1	90.5
227	64.8		30.8	92.4

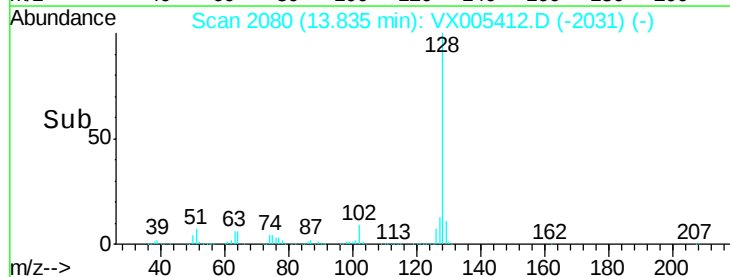
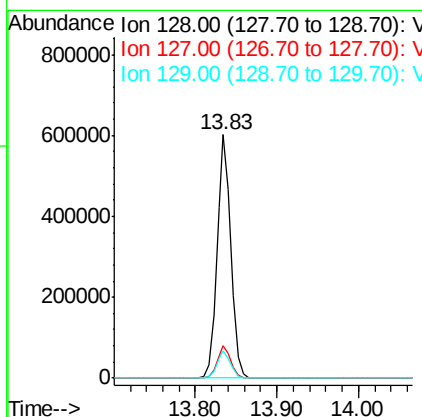
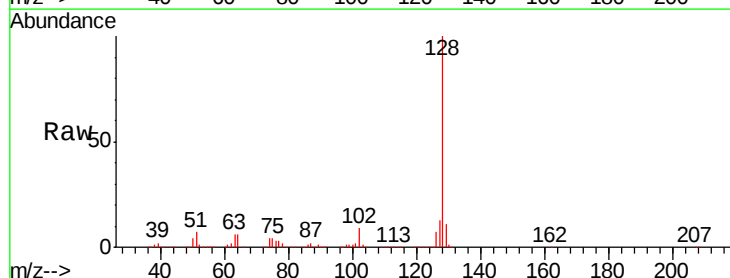
Manual Integrations
APPROVED

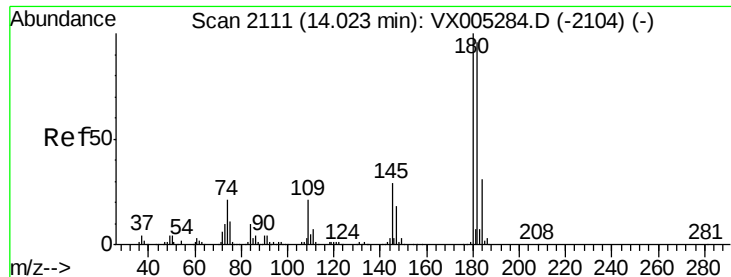
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10/19/2018 12:24:00 PM



#95
Naphthalene
Concen: 55.82 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005412.D
Acq: 18 Oct 2018 01:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	716196		
127	13.1		10.2	15.2
129	10.9		8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 52.29 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VX005412.D
 Acq: 18 Oct 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-GW-9SMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.2	48.5	145.6
145	29.6	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:24:00 PM

