

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005414.D
 Acq On : 18 Oct 2018 02:27
 Operator : JC/MD
 Sample : J5569-11MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MSD

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 03:10:02 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	5.66	168	265102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	379007	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200366	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	135021	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
35) Dibromofluoromethane	5.51	113	124030	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	8.71	98	424552	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.14	95	160183	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	98799	47.67	ug/l	98
3) Chloromethane	1.32	50	134659	44.84	ug/l	100
4) Vinyl Chloride	1.41	62	142426	46.81	ug/l	99
5) Bromomethane	1.64	94	91741	53.35	ug/l	99
6) Chloroethane	1.71	64	88153	48.96	ug/l	99
7) Trichlorofluoromethane	1.92	101	198604	48.92	ug/l	94
8) Diethyl Ether	2.19	74	85969	49.58	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	120861	51.57	ug/l	99
10) Methyl Iodide	2.51	142	149206	57.67	ug/l	99
11) Tert butyl alcohol	3.07	59	195592	235.67	ug/l	99
12) 1,1-Dichloroethene	2.37	96	112669	48.53	ug/l	96
13) Acrolein	2.29	56	89698	168.66	ug/l	94
14) Allyl chloride	2.73	41	252999	49.63	ug/l	93
15) Acrylonitrile	3.15	53	455003	241.93	ug/l	98
16) Acetone	2.45	43	415363	244.16	ug/l	# 88
17) Carbon Disulfide	2.57	76	313140	44.52	ug/l	99
18) Methyl Acetate	2.78	43	238829	49.35	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	427402	52.27	ug/l	98
20) Methylene Chloride	2.85	84	133710	54.05	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	123753	48.09	ug/l	99
22) Diisopropyl ether	3.87	45	412006	48.12	ug/l	96
23) Vinyl Acetate	3.82	43	1783987	238.38	ug/l	96
24) 1,1-Dichloroethane	3.70	63	243895	49.70	ug/l	99
25) 2-Butanone	4.70	43	586980	235.83	ug/l	94
26) 2,2-Dichloropropane	4.59	77	139109	37.90	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	131487	47.02	ug/l	97
28) Bromochloromethane	5.02	49	113304	50.65	ug/l	95
29) Tetrahydrofuran	5.15	42	375696	236.63	ug/l	93
30) Chloroform	5.21	83	222648	48.88	ug/l	97
31) Cyclohexane	5.57	56	194389	48.06	ug/l	85
32) 1,1,1-Trichloroethane	5.49	97	193969	48.94	ug/l	99
36) 1,1-Dichloropropene	5.80	75	163655	44.58	ug/l	98
37) Ethyl Acetate	4.85	43	211021	44.70	ug/l	98
38) Carbon Tetrachloride	5.78	117	171545	46.51	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	187464	47.19	ug/l	96
40) Benzene	6.14	78	493044	44.78	ug/l	100
41) Methacrylonitrile	5.06	41	117291	46.35	ug/l	98
42) 1,2-Dichloroethane	6.20	62	176773	45.47	ug/l	98
43) Isopropyl Acetate	6.46	43	315014	50.10	ug/l	97
44) Trichloroethene	7.21	130	136437	48.51	ug/l	95
45) 1,2-Dichloropropane	7.52	63	137402	50.87	ug/l	98
46) Dibromomethane	7.66	93	86250	48.38	ug/l	97
47) Bromodichloromethane	7.90	83	169090	51.28	ug/l	100
48) Methyl methacrylate	7.77	41	165953	50.88	ug/l	95
49) 1,4-Dioxane	7.75	88	66429	883.09	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1118652	256.92	ug/l	96
52) Toluene	8.79	92	311660	51.74	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	184439	51.68	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	192800	49.86	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	131999	51.73	ug/l	99
56) Ethyl methacrylate	9.18	69	205640	55.28	ug/l	96
57) 1,3-Dichloropropane	9.37	76	217906	51.17	ug/l	100
59) 2-Hexanone	9.50	43	881853	251.78	ug/l	95
60) Dibromochloromethane	9.58	129	140851	53.40	ug/l	99
61) 1,2-Dibromoethane	9.67	107	136150	50.84	ug/l	99
64) Tetrachloroethene	9.33	164	131962	46.63	ug/l	98
65) Chlorobenzene	10.14	112	358689	47.97	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	133746	50.19	ug/l	99
67) Ethyl Benzene	10.25	91	606686	49.91	ug/l	97
68) m/p-Xylenes	10.36	106	471878	100.02	ug/l	95
69) o-Xylene	10.70	106	230864	50.74	ug/l	98
70) Styrene	10.71	104	387525	51.78	ug/l	97
71) Bromoform	10.86	173	119296	50.10	ug/l	99
73) Isopropylbenzene	11.02	105	624950	52.47	ug/l	100
74) N-amyl acetate	10.90	43	287161	49.98	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	215886	48.05	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	199926m	51.44	ug/l	
77) Bromobenzene	11.26	156	170740	50.13	ug/l	99
78) n-propylbenzene	11.36	91	708626	51.70	ug/l	100
79) 2-Chlorotoluene	11.42	91	425710	50.71	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	533258	52.28	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	59229	46.31	ug/l	96
82) 4-Chlorotoluene	11.51	91	502352	50.48	ug/l	100
83) tert-Butylbenzene	11.77	119	541399	52.42	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	552952	52.68	ug/l	98
85) sec-Butylbenzene	11.94	105	639448	52.31	ug/l	99
86) p-Isopropyltoluene	12.07	119	580717	52.56	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	318356	50.02	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	318598	48.94	ug/l	99
89) n-Butylbenzene	12.39	91	506999	50.54	ug/l	98
90) Hexachloroethane	12.60	117	95501	50.16	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	319240	49.16	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51624	47.10	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	247640	51.97	ug/l	99

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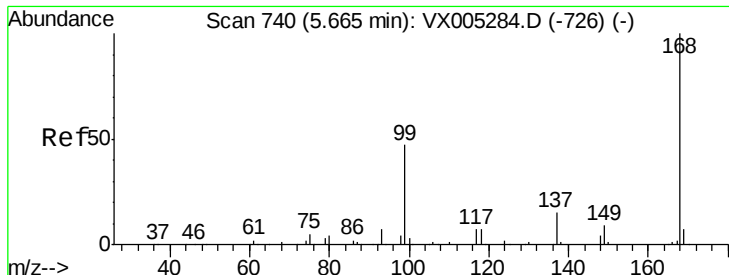
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	120739	47.98	ug/l	97
95) Naphthalene	13.83	128	750584	54.32	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	252740	51.84	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:168 Resp: 265102

Ion Ratio Lower Upper

168 100

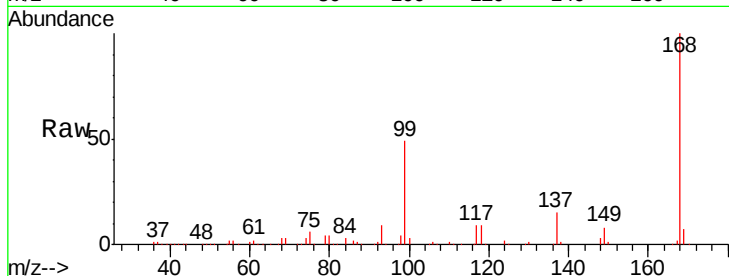
99 49.0 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

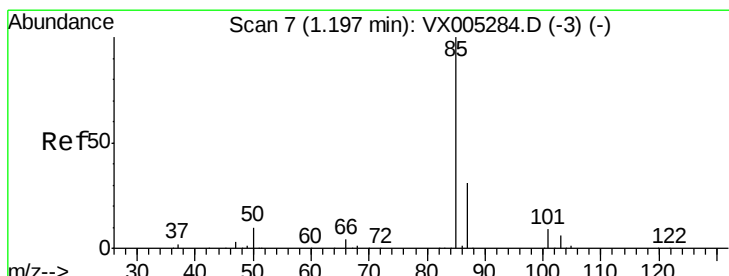
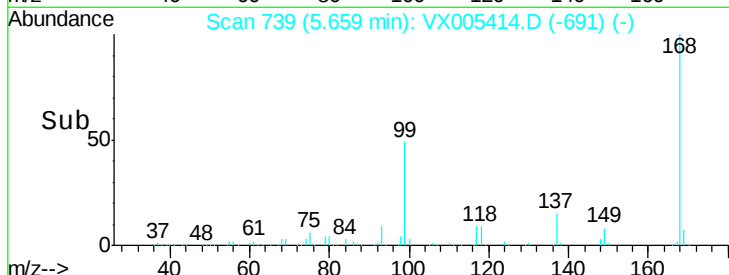
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 47.67 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005414.D

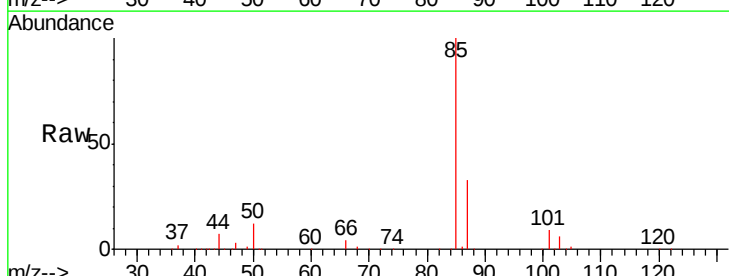
Acq: 18 Oct 2018 02:27

Tgt Ion: 85 Resp: 98799

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

1.20

100000

80000

60000

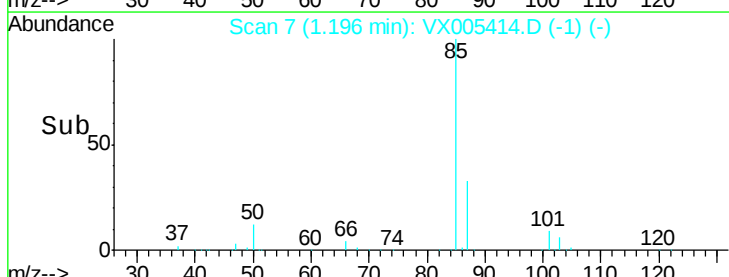
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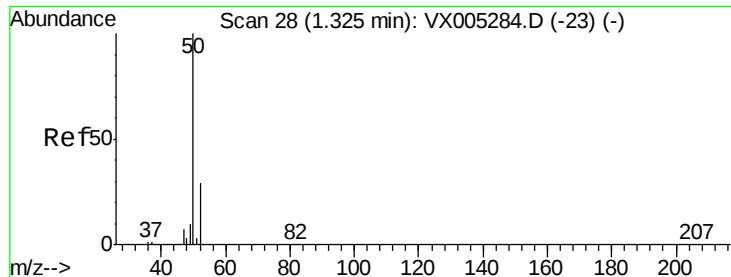
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 44.84 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 50 Resp: 134659

Ion Ratio Lower Upper

50 100

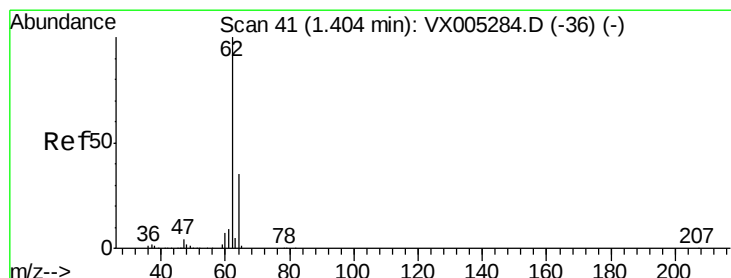
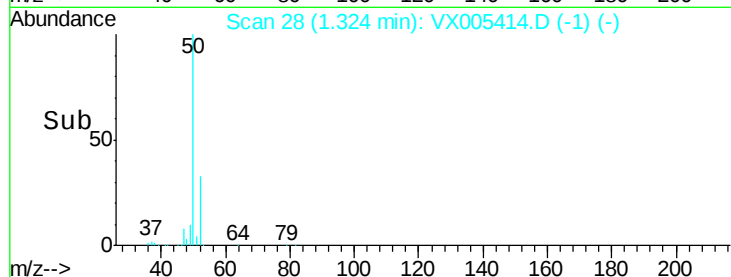
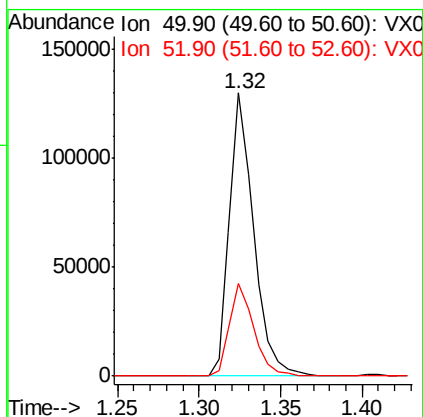
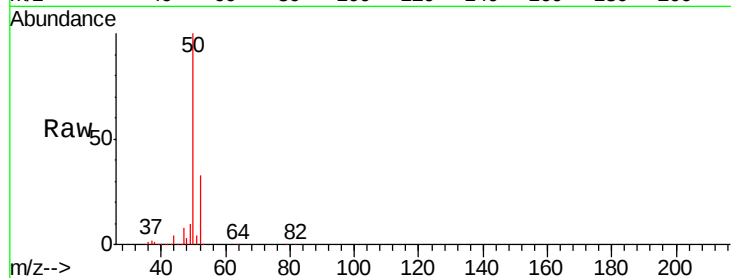
52 32.6 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.81 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005414.D

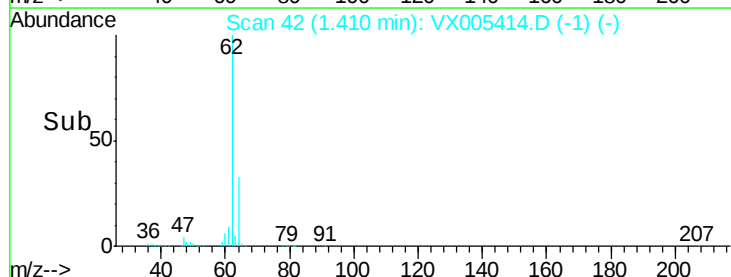
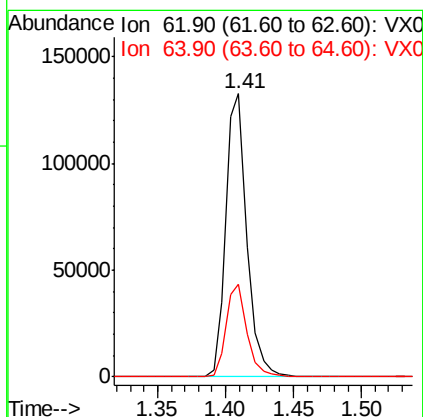
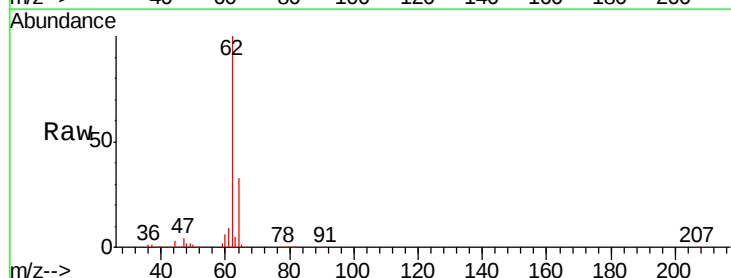
Acq: 18 Oct 2018 02:27

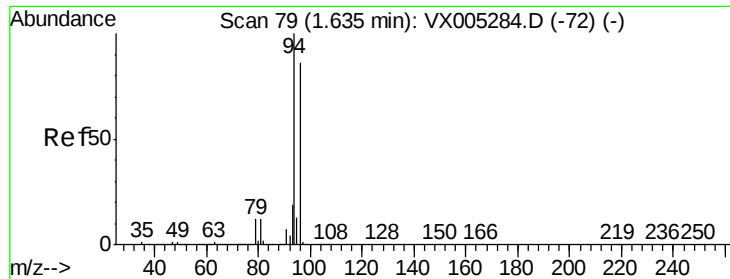
Tgt Ion: 62 Resp: 142426

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 53.35 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

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ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 94 Resp: 91741

Ion Ratio Lower Upper

94 100

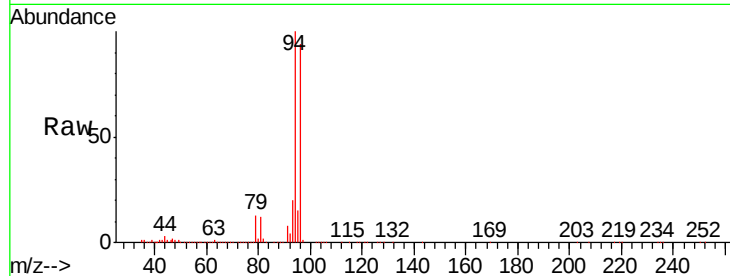
96 94.3 74.5 111.7

Manual Integrations

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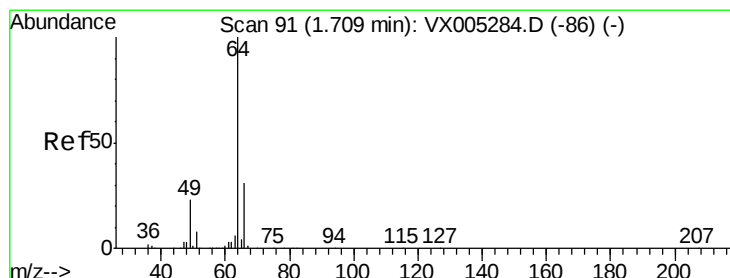
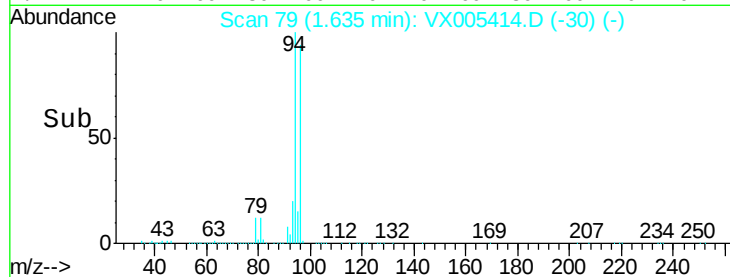
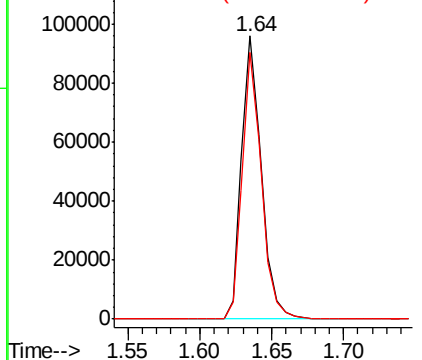
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.96 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005414.D

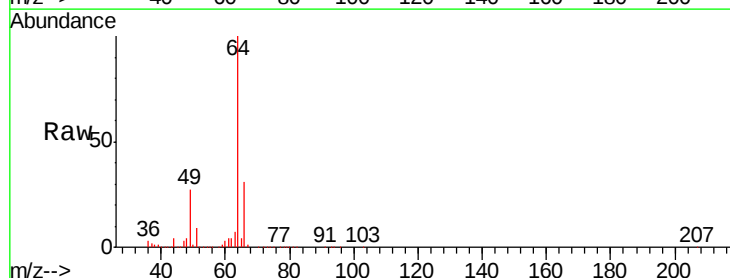
Acq: 18 Oct 2018 02:27

Tgt Ion: 64 Resp: 88153

Ion Ratio Lower Upper

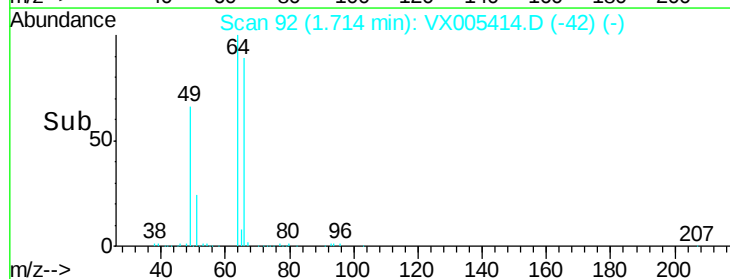
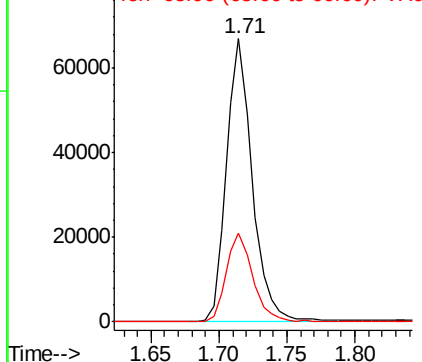
64 100

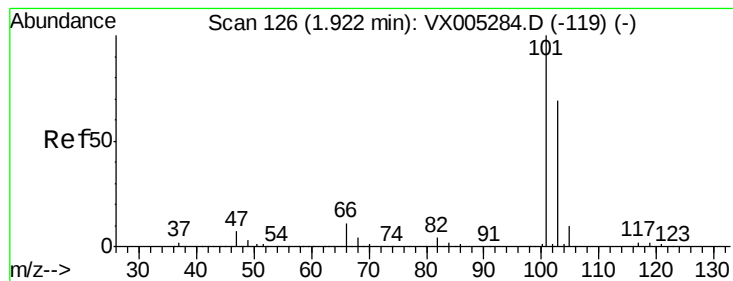
66 31.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

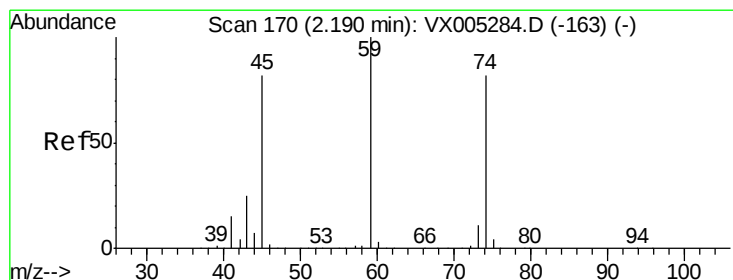
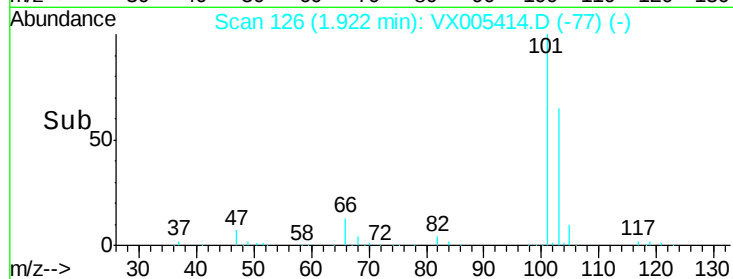
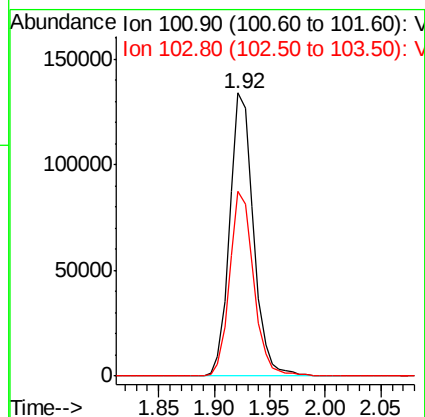
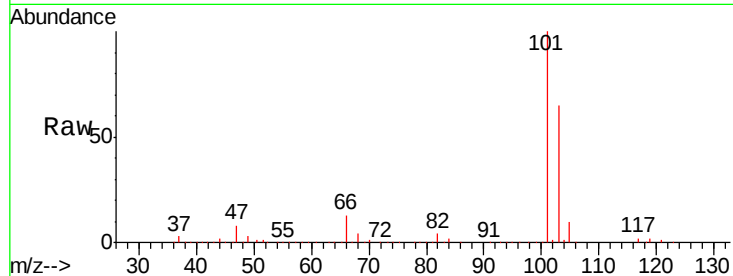
Trichlorofluoromethane
 Concen: 48.92 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

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Tgt Ion: 101 Resp: 198604
 Ion Ratio Lower Upper
 101 100
 103 65.4 48.9 73.3

Manual Integrations
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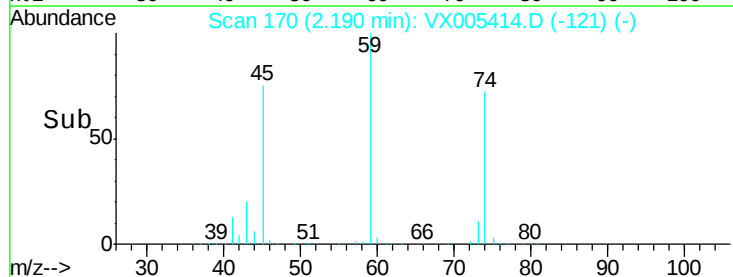
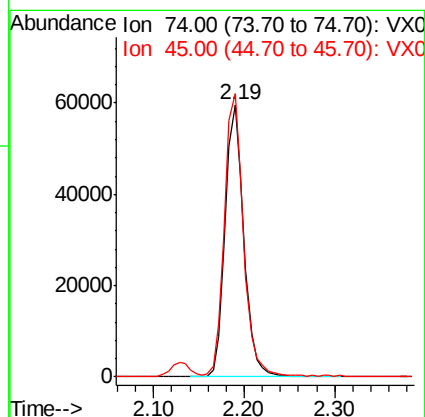
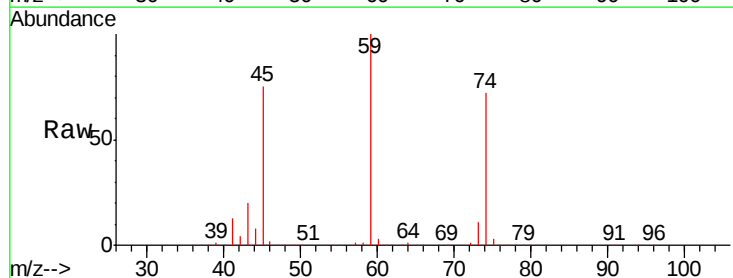
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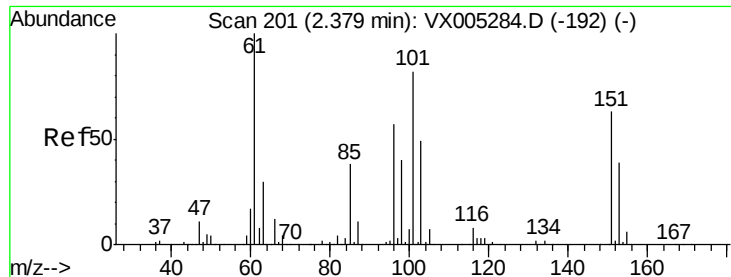


#8

Diethyl Ether
 Concen: 49.58 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Tgt Ion: 74 Resp: 85969
 Ion Ratio Lower Upper
 74 100
 45 104.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.57 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

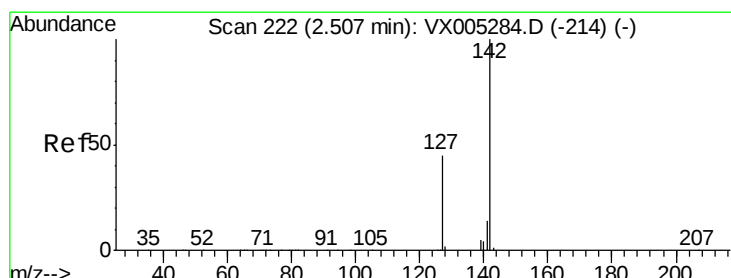
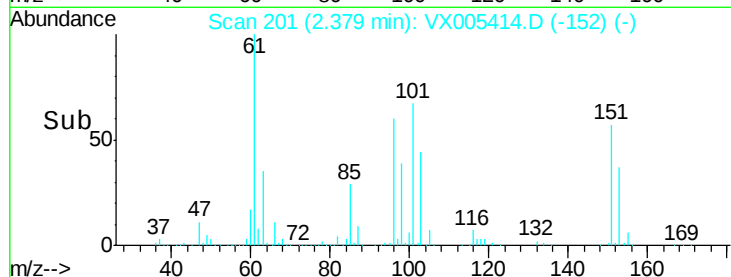
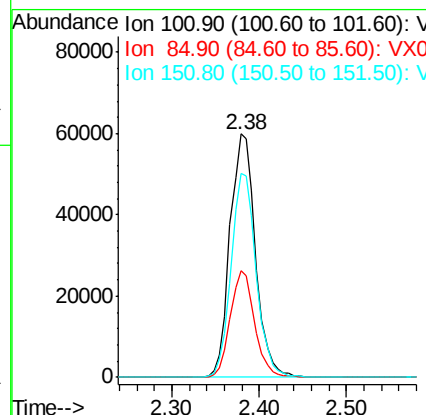
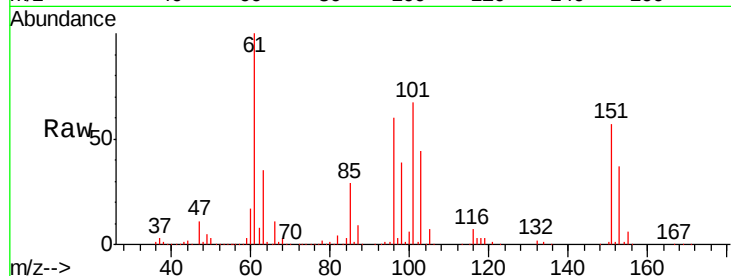
ClientSampleId :

RLF-SW-5MSD

Tgt	Ion	Ratio	Resp	Lower	Upper
101	100		120861		
85	42.1	34.2	51.4		
151	82.8	65.0	97.6		

Manual Integrations
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#10

Methyl Iodide

Concen: 57.67 ug/l

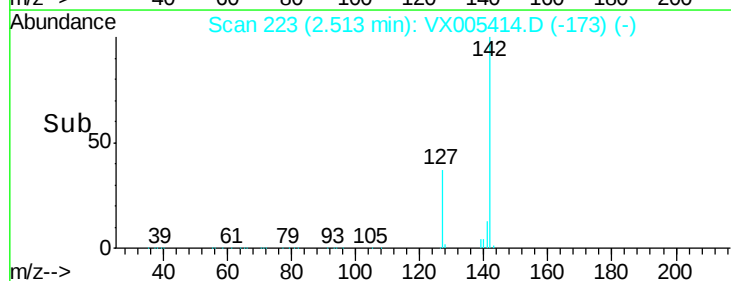
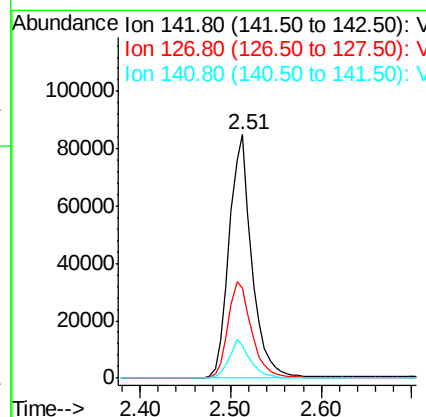
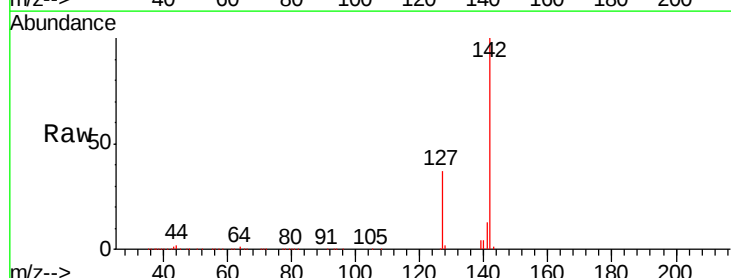
RT: 2.51 min Scan# 223

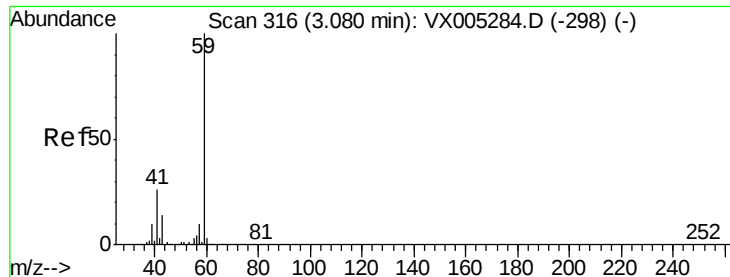
Delta R.T. 0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt	Ion	Ratio	Resp	Lower	Upper
142	100		149206		
127	41.2	33.8	50.6		
141	14.6	11.4	17.0		





#11

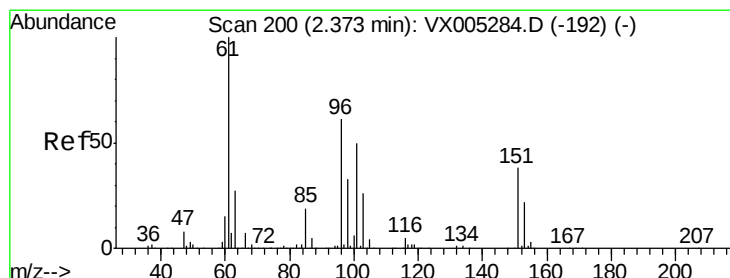
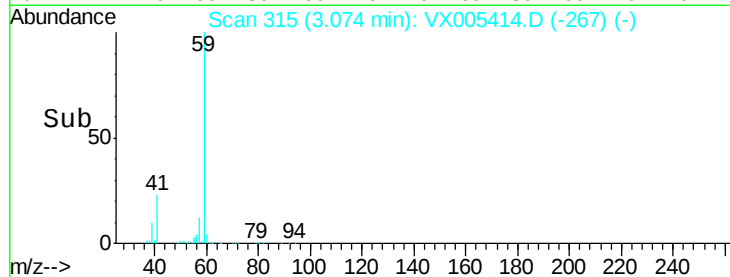
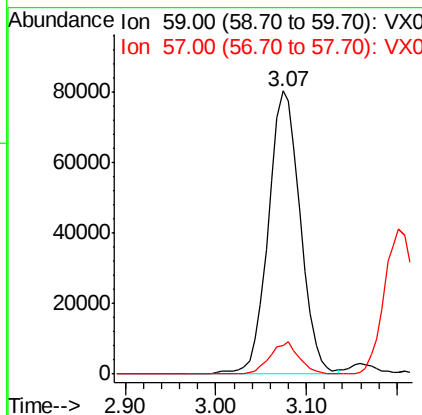
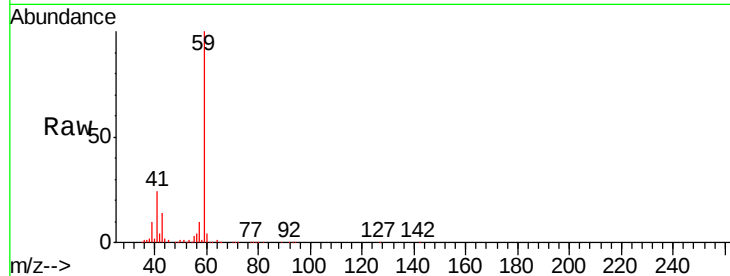
Tert butyl alcohol
Concen: 235.67 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

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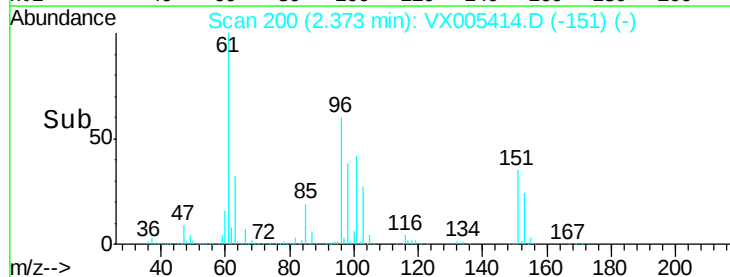
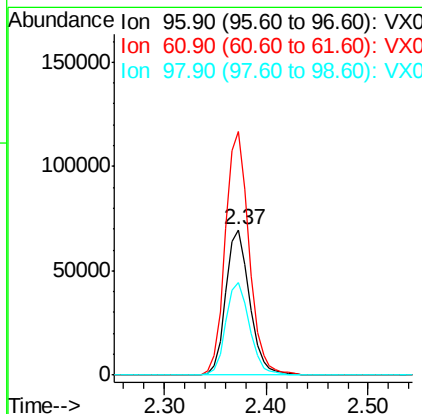
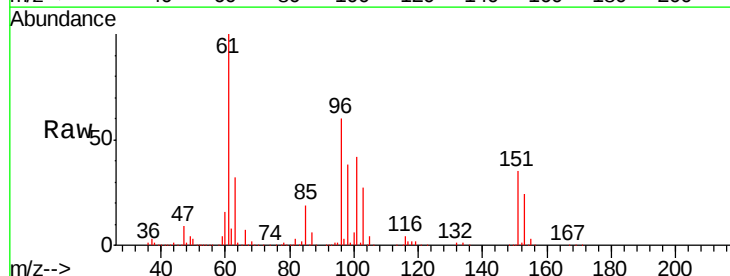
MMDadoda
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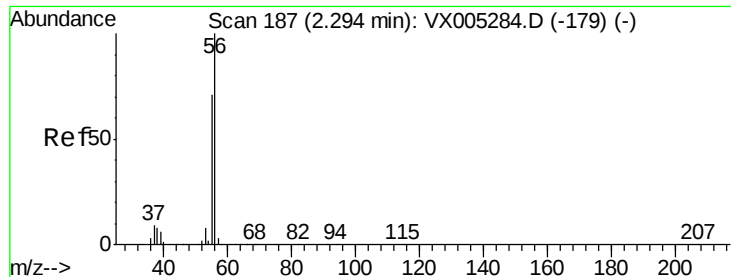


#12

1,1-Dichloroethene
Concen: 48.53 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	128.8	193.2
98	63.6	52.2	78.2





#13

Acrolein

Concen: 168.66 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 56 Resp: 89698

Ion Ratio Lower Upper

56 100

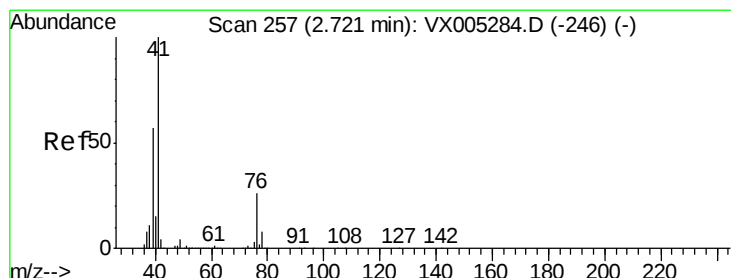
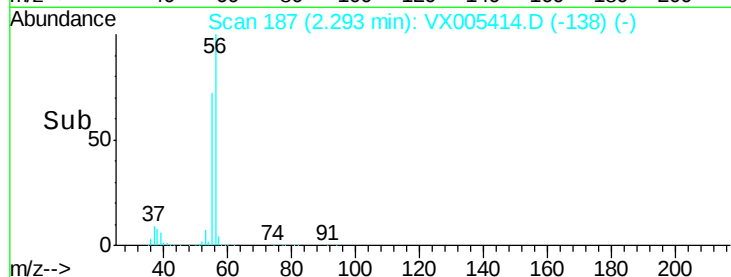
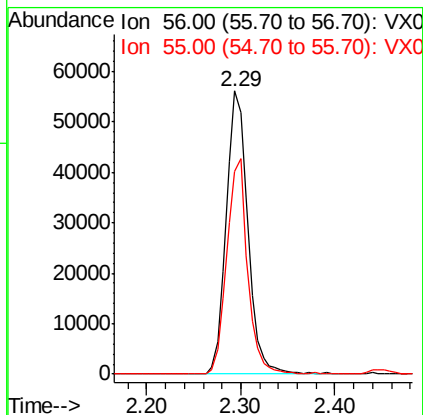
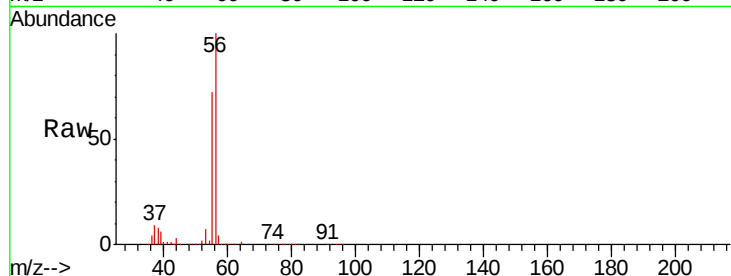
55 73.3 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 49.63 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

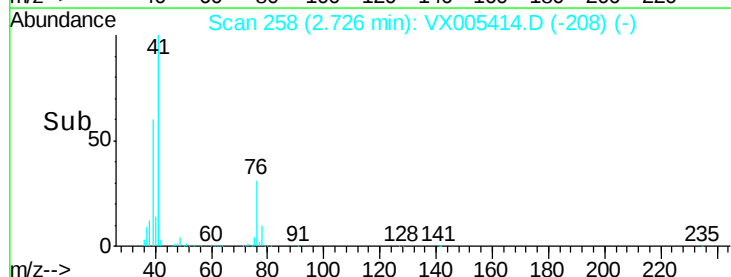
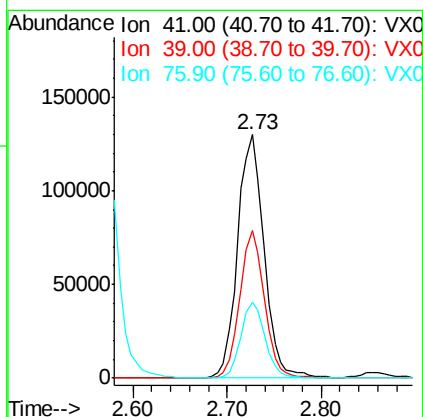
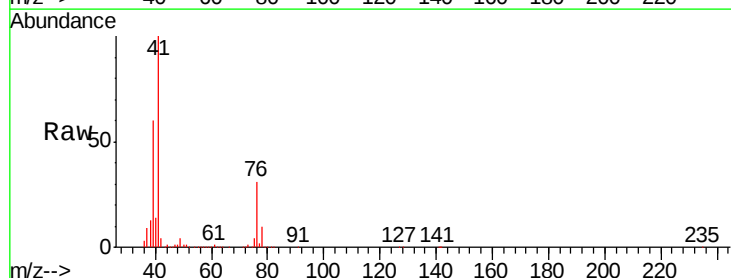
Tgt Ion: 41 Resp: 252999

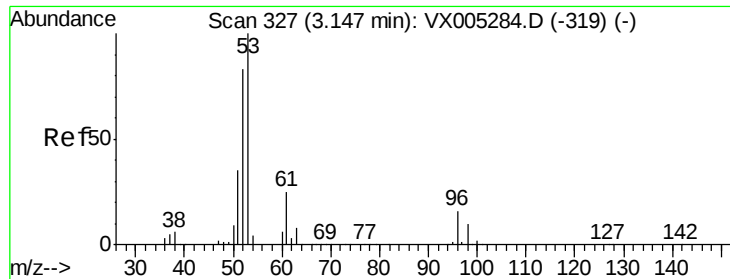
Ion Ratio Lower Upper

41 100

39 56.5 48.9 73.3

76 28.8 26.7 40.1





#15

Acrylonitrile

Concen: 241.93 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

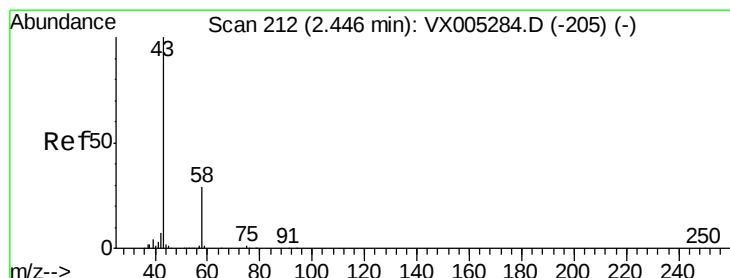
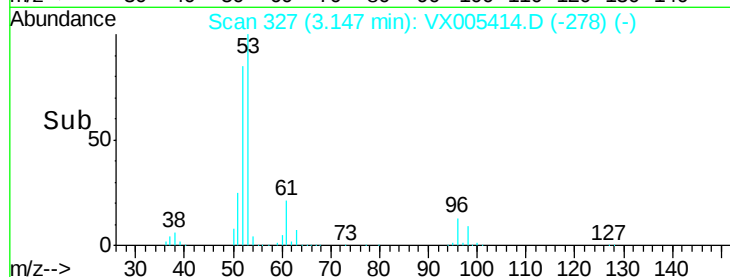
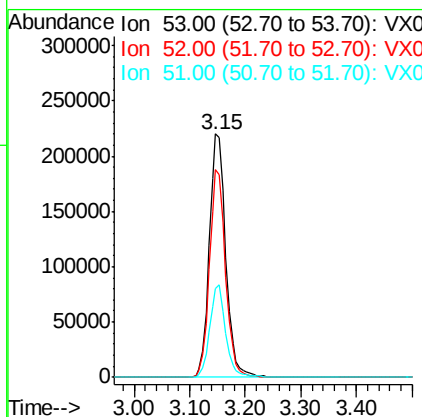
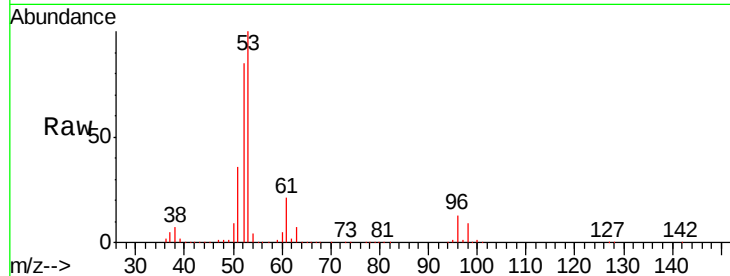
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	53	Resp:	455003
Ion Ratio		Lower	Upper
53	100		
52	82.8	65.2	97.8
51	36.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 244.16 ug/l

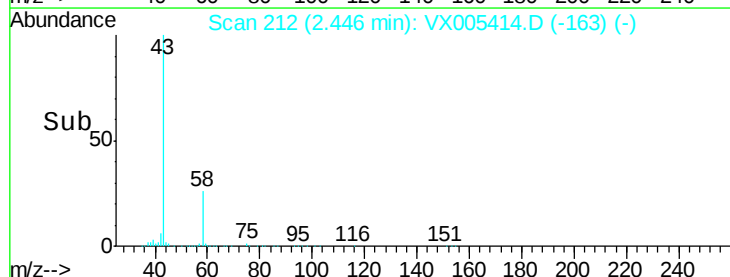
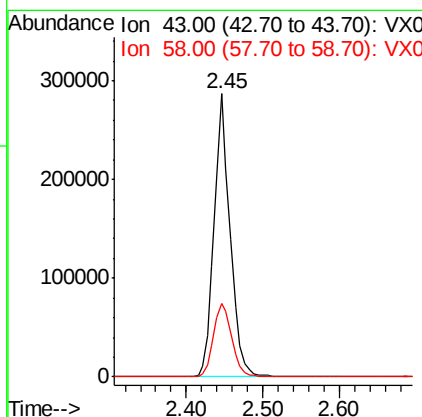
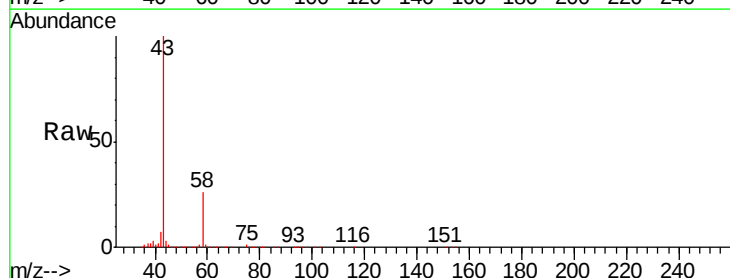
RT: 2.45 min Scan# 212

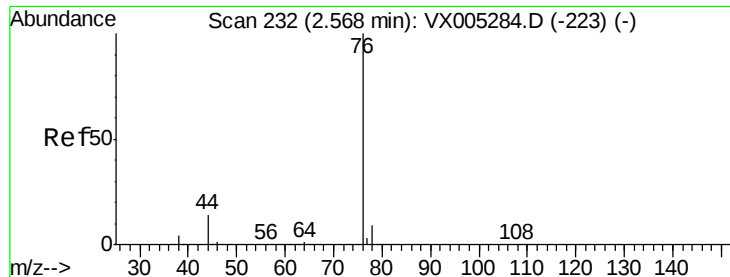
Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	43	Resp:	415363
Ion Ratio		Lower	Upper
43	100		
58	26.1	26.2	39.4#





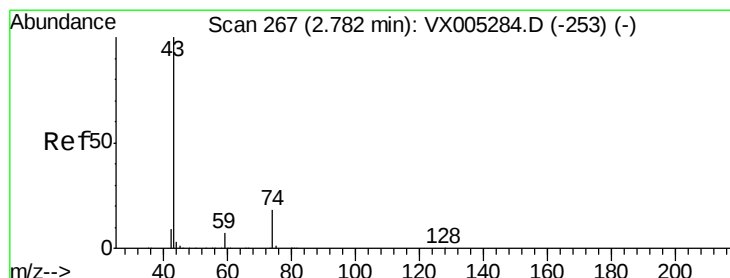
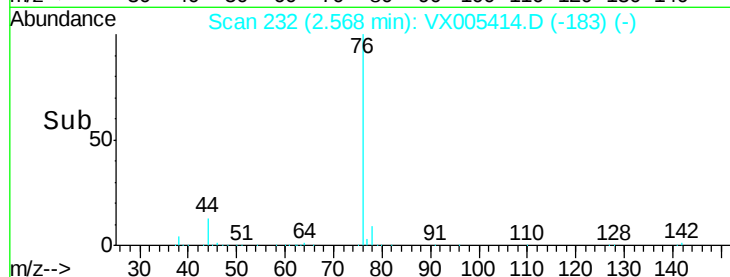
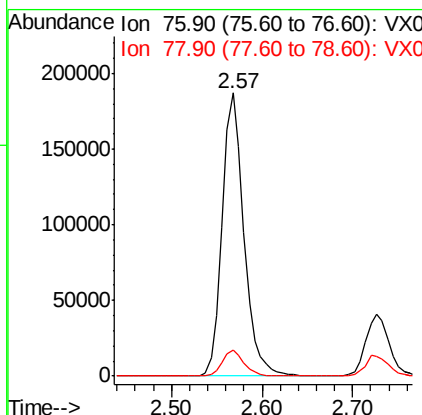
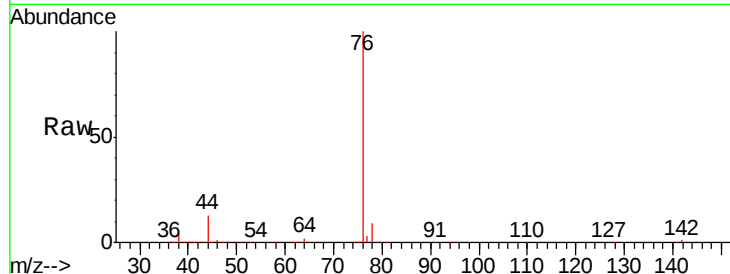
#17
Carbon Disulfide
Concen: 44.52 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

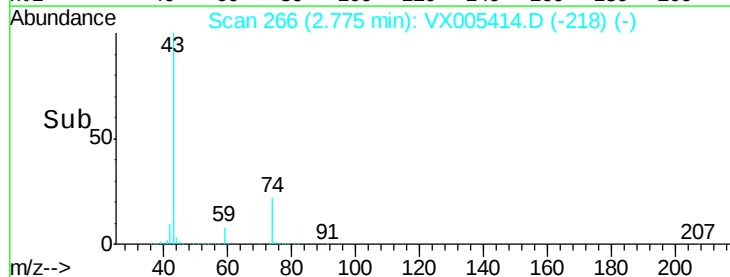
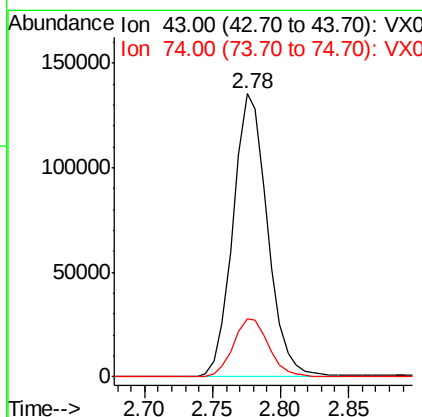
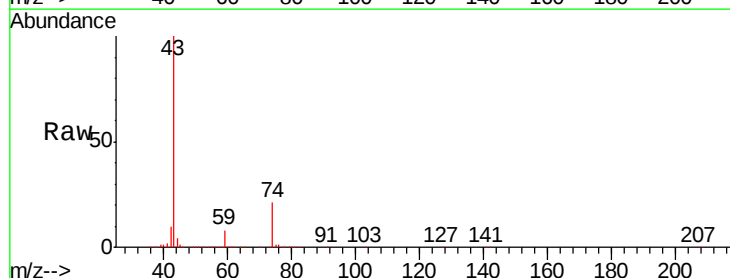
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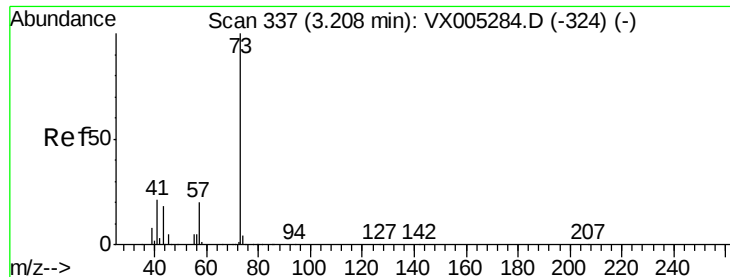
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#18
Methyl Acetate
Concen: 49.35 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.4	29.2





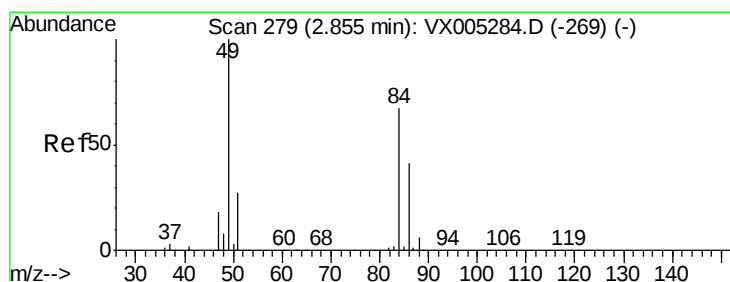
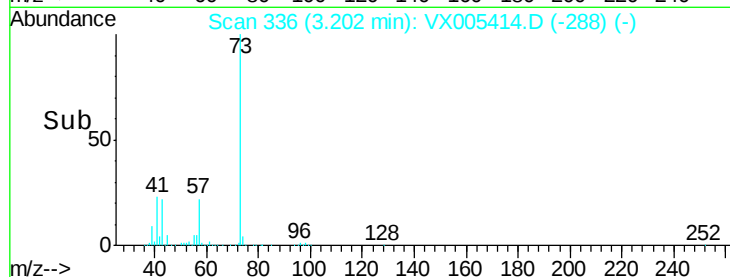
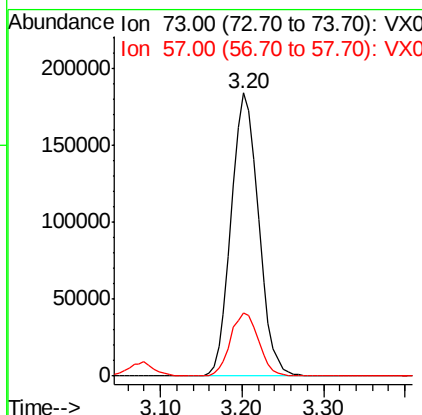
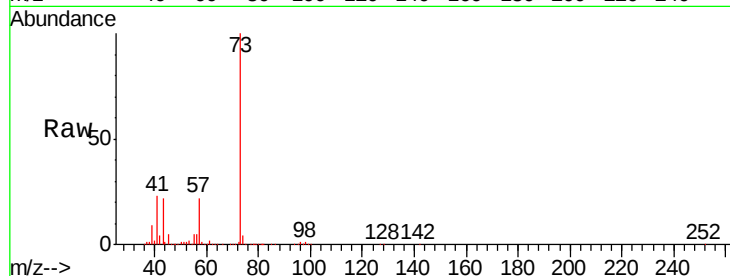
#19
Methyl tert-butyl Ether
Concen: 52.27 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion: 73 Resp: 427402
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7

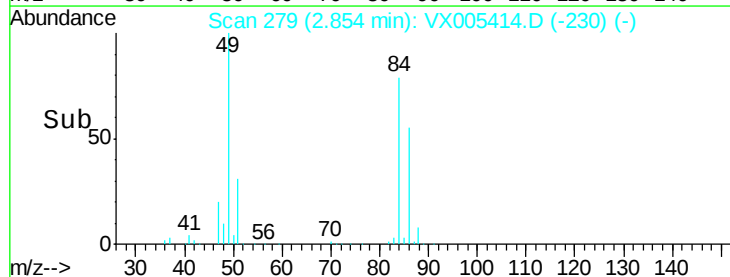
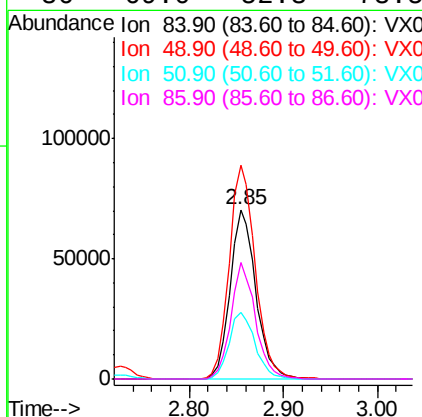
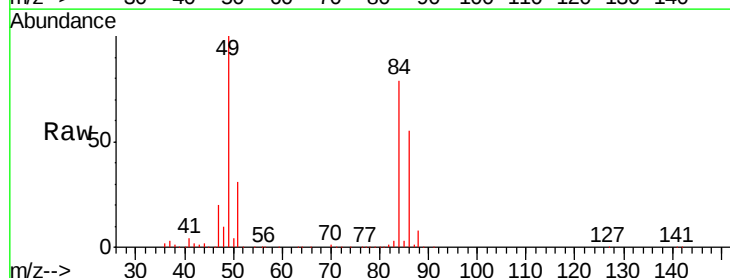
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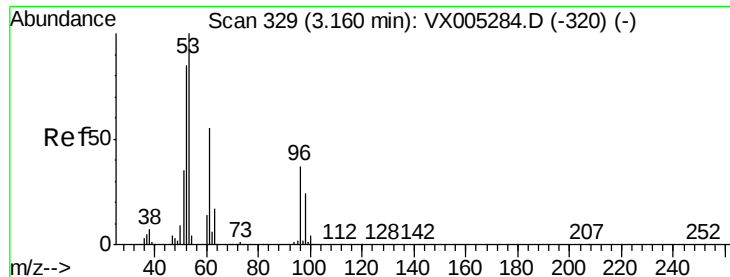
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#20
Methylene Chloride
Concen: 54.05 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion: 84 Resp: 133710
Ion Ratio Lower Upper
84 100
49 126.1 101.2 151.8
51 39.1 29.5 44.3
86 69.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.09 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

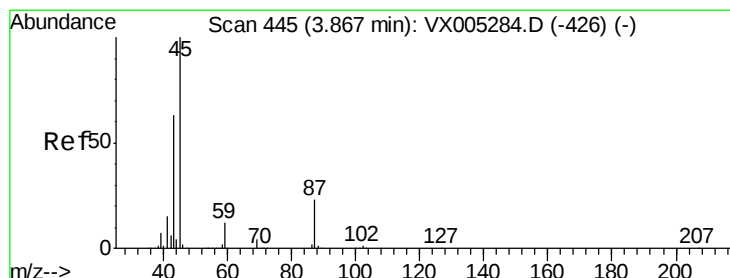
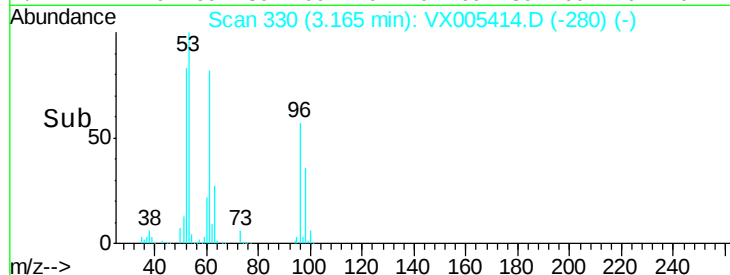
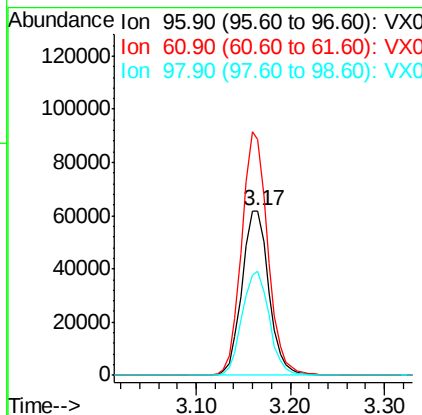
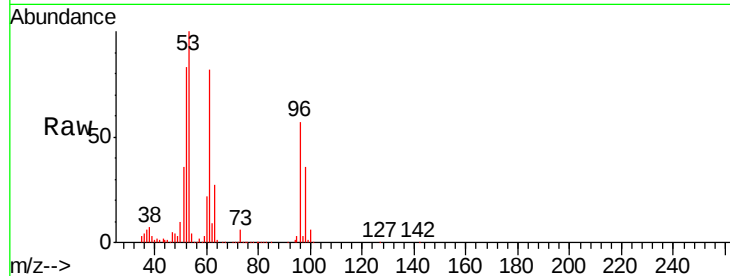
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	96	Resp:	123753
Ion	Ratio	Lower	Upper
96	100		
61	142.9	113.8	170.6
98	63.5	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.12 ug/l

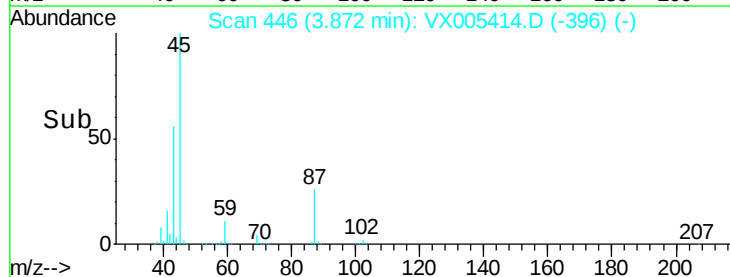
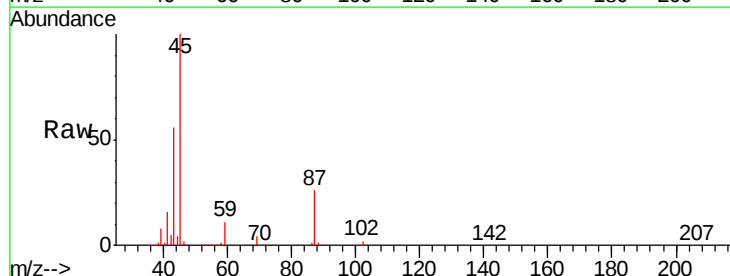
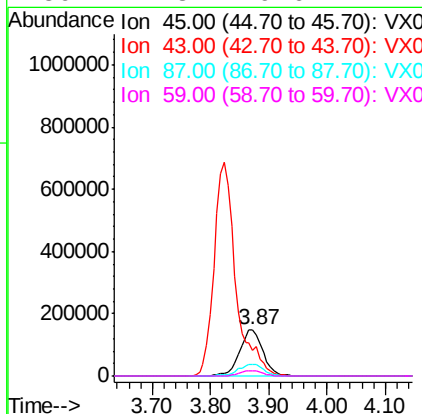
RT: 3.87 min Scan# 446

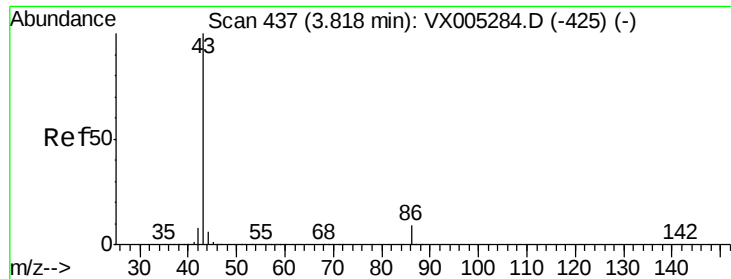
Delta R.T. 0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	45	Resp:	412006
Ion	Ratio	Lower	Upper
45	100		
43	56.4	42.8	64.2
87	26.5	22.6	34.0
59	11.3	9.6	14.4





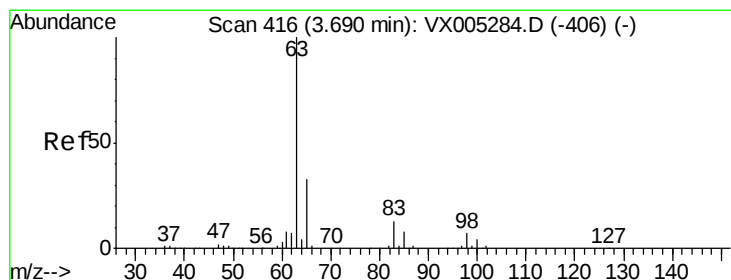
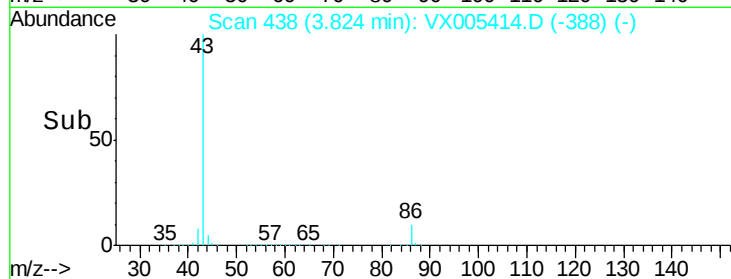
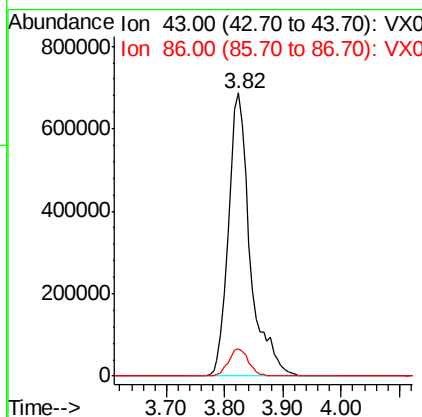
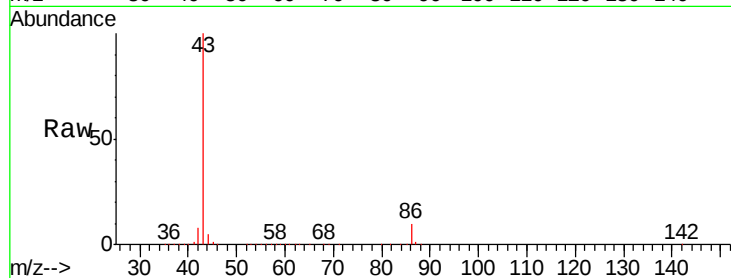
#23
 Vinyl Acetate
 Concen: 238.38 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion: 43 Resp: 1783987
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.9 13.3

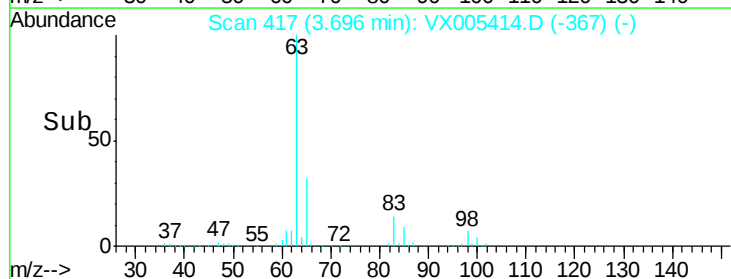
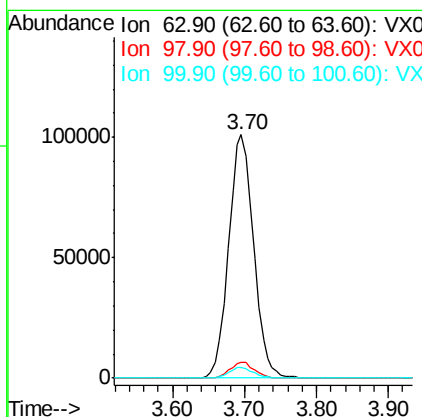
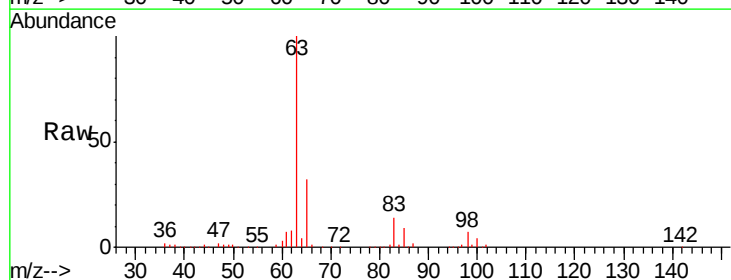
Manual Integrations
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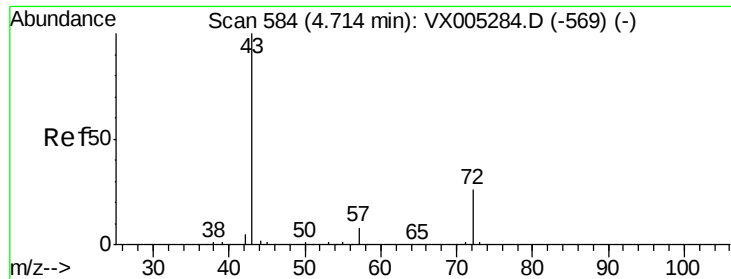
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 10/19/2018 12:24:10 PM



#24
 1,1-Dichloroethane
 Concen: 49.70 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Tgt Ion: 63 Resp: 243895
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.4
 100 4.2 2.4 7.1





#25

2-Butanone

Concen: 235.83 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 43 Resp: 586980

Ion Ratio Lower Upper

43 100

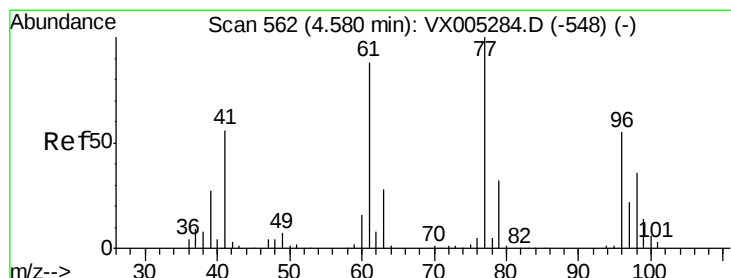
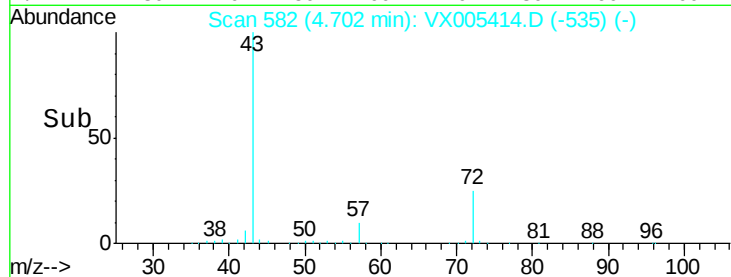
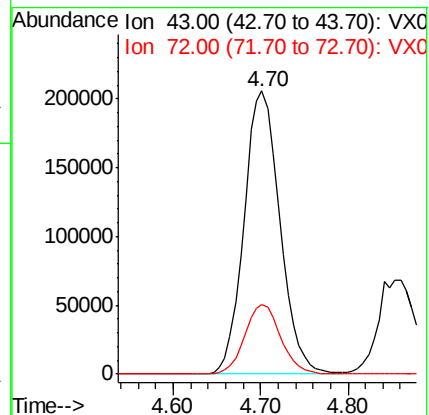
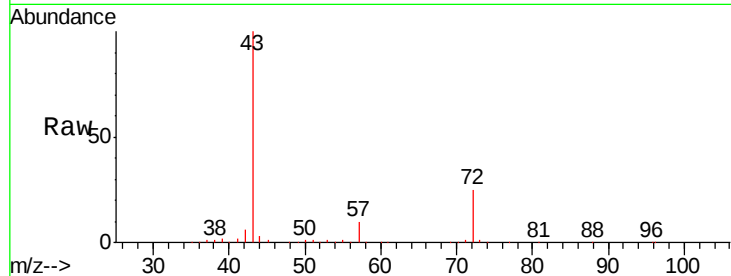
72 24.6 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 37.90 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005414.D

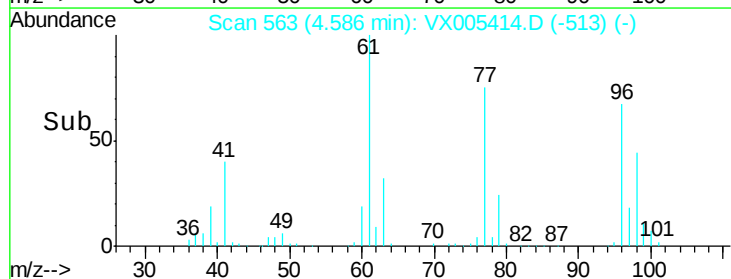
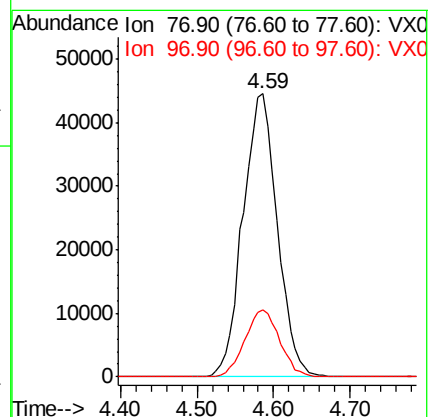
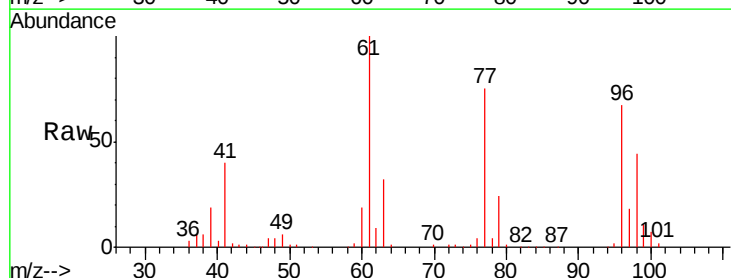
Acq: 18 Oct 2018 02:27

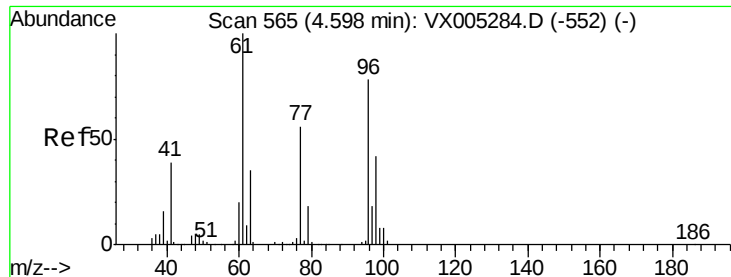
Tgt Ion: 77 Resp: 139109

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0





#27

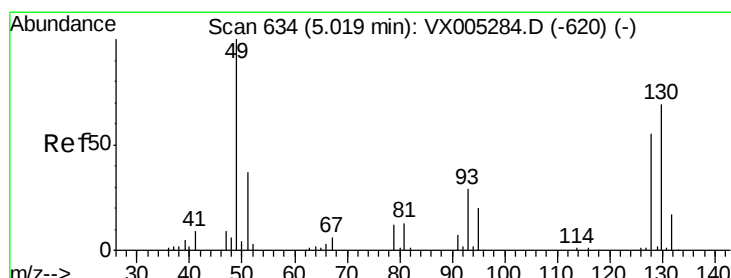
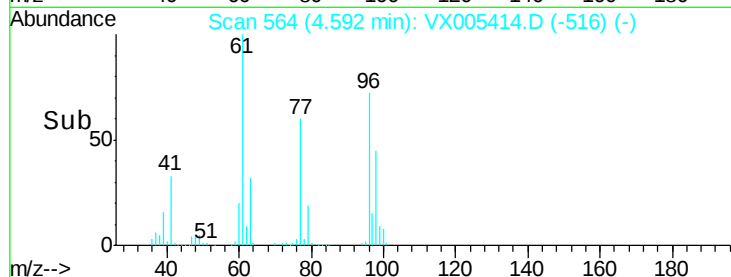
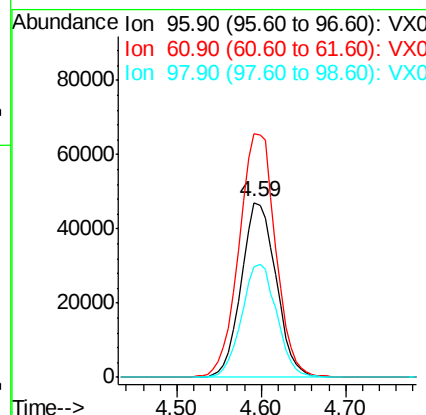
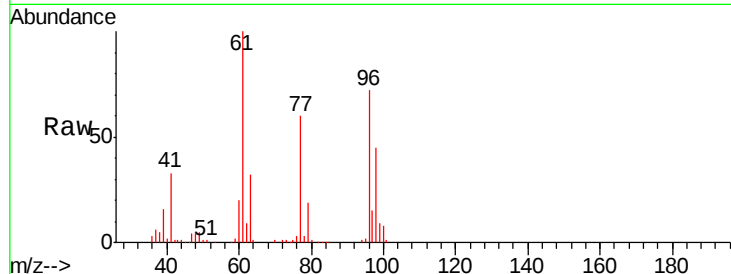
cis-1,2-Dichloroethene
Concen: 47.02 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	131487		
61	147.1	0.0	282.6	
98	65.2	0.0	130.2	

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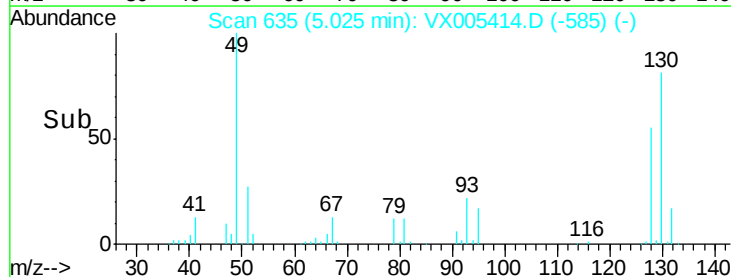
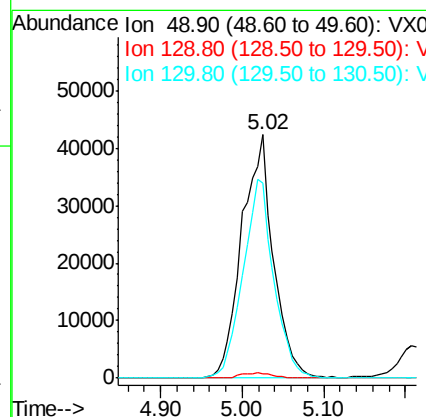
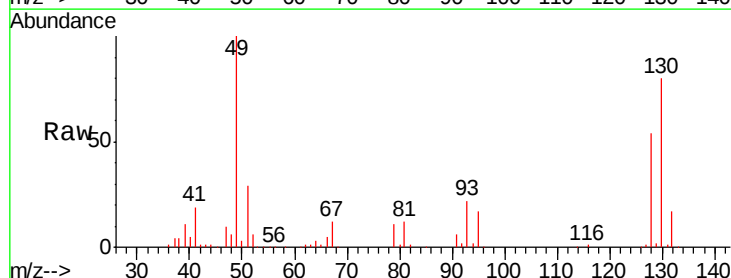
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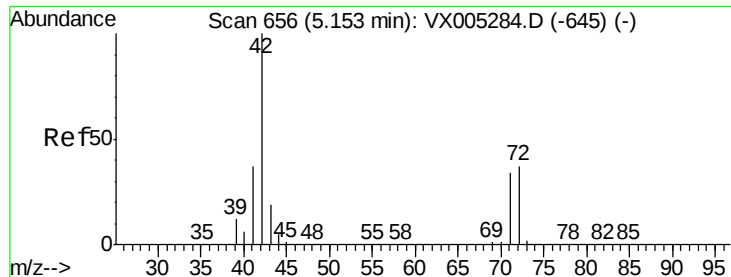


#28

Bromochloromethane
Concen: 50.65 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113304		
129	2.2	0.0	4.2	
130	79.8	67.5	101.3	





#29

Tetrahydrofuran

Concen: 236.63 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

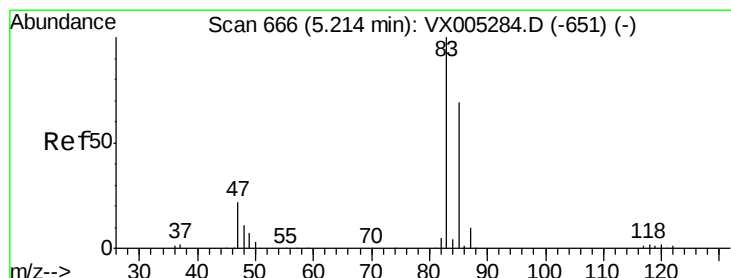
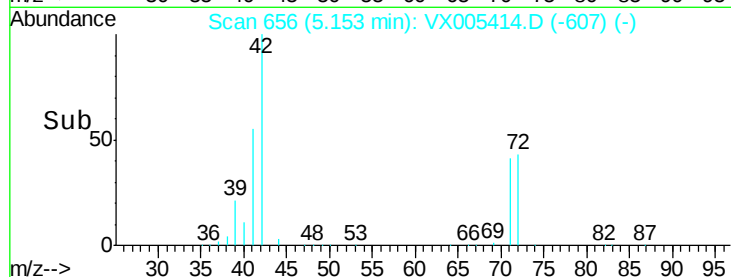
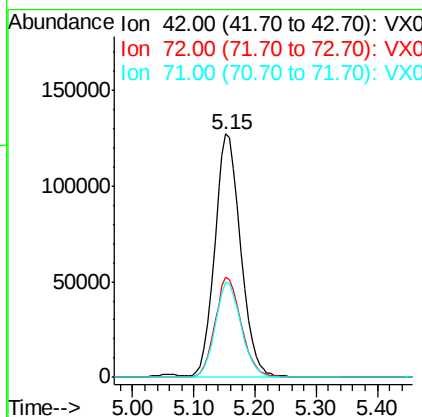
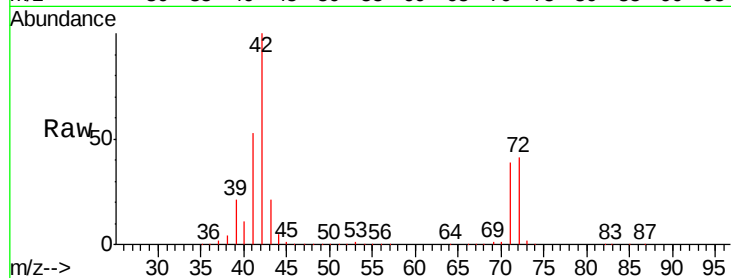
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	42	Resp:	375696
Ion	Ratio	Lower	Upper
42	100		
72	41.7	37.4	56.0
71	39.2	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 48.88 ug/l

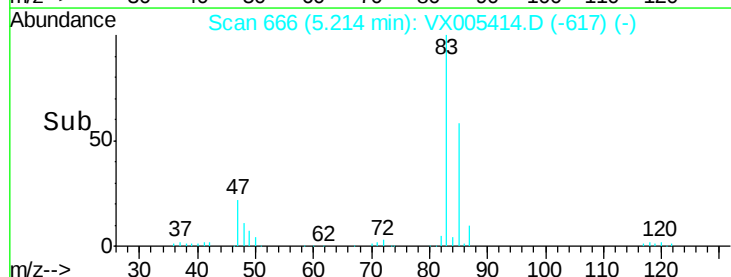
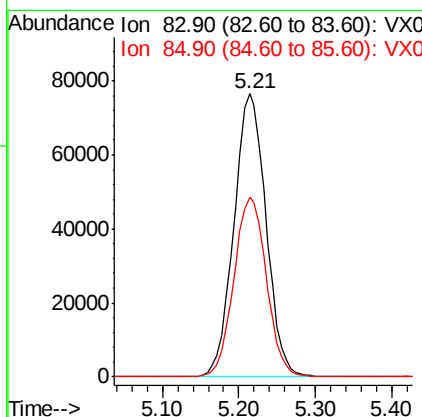
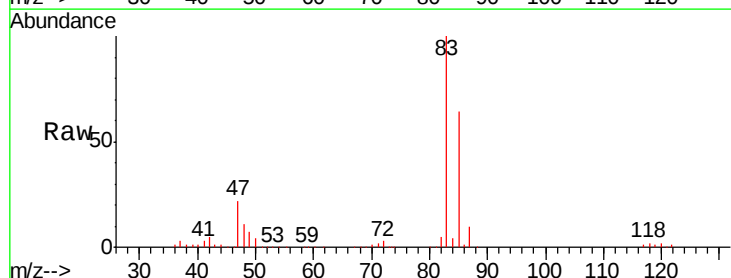
RT: 5.21 min Scan# 666

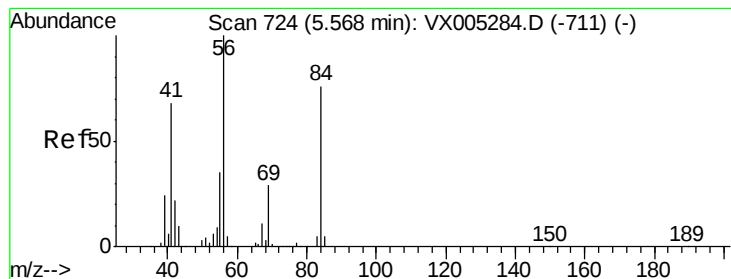
Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	83	Resp:	222648
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	79.0





#31

Cyclohexane

Concen: 48.06 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

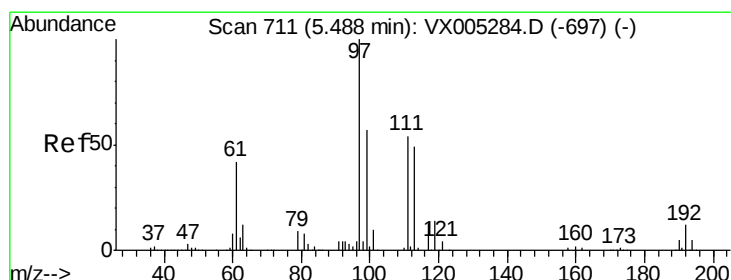
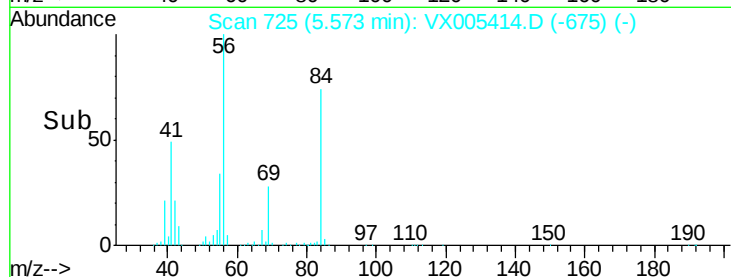
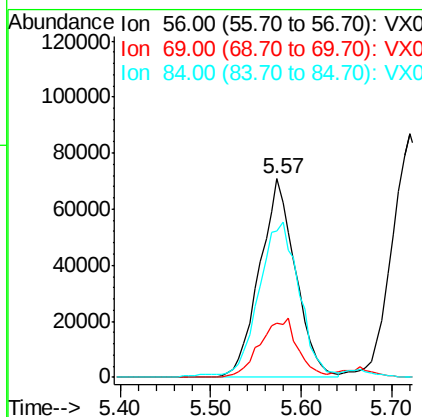
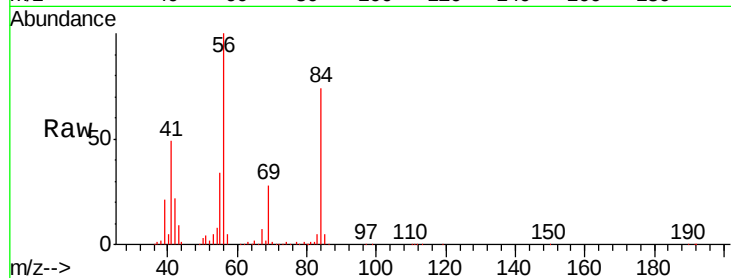
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	56	Resp:	194389
Ion	Ratio	Lower	Upper
56	100		
69	27.6	25.4	38.2
84	73.0	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 48.94 ug/l

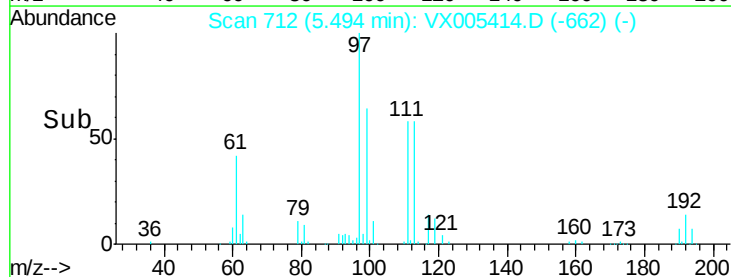
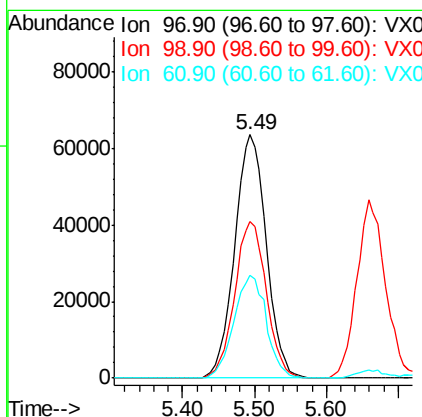
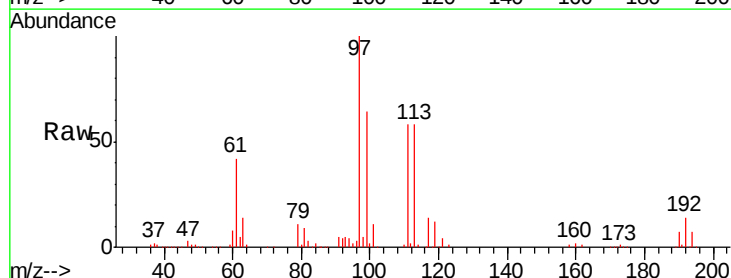
RT: 5.49 min Scan# 712

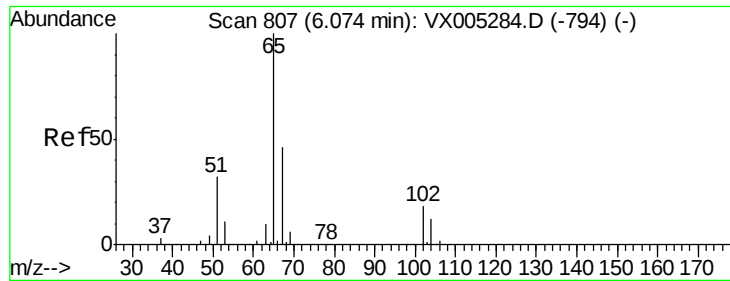
Delta R.T. 0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	97	Resp:	193969
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	43.3	34.9	52.3





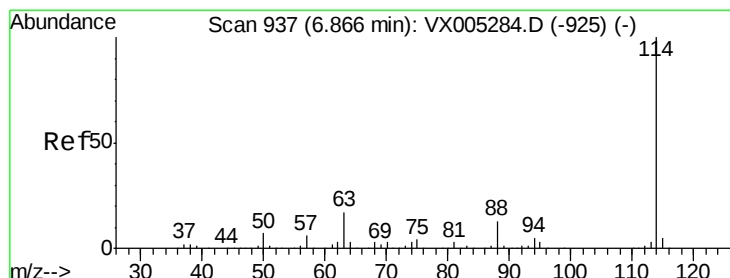
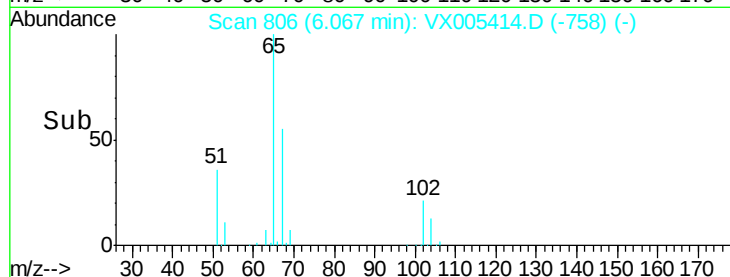
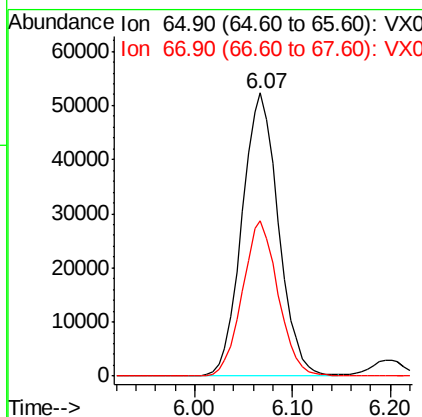
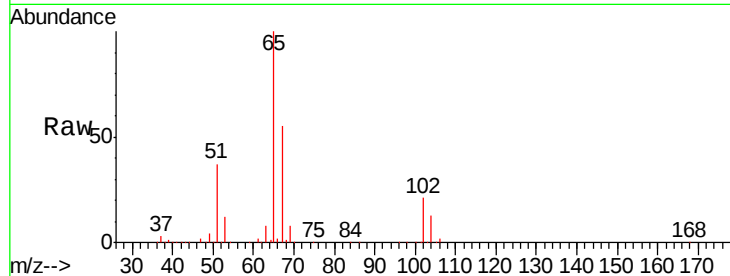
#33
 1,2-Dichloroethane-d4
 Concen: 45.89 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion: 65 Resp: 135021
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8

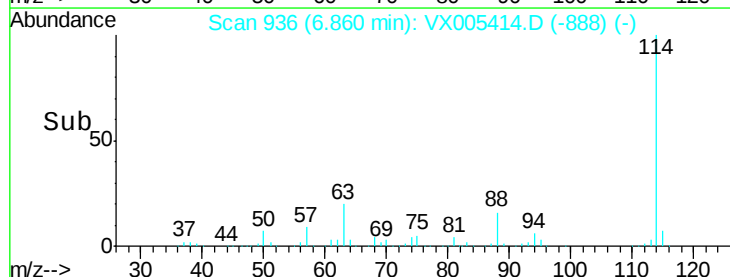
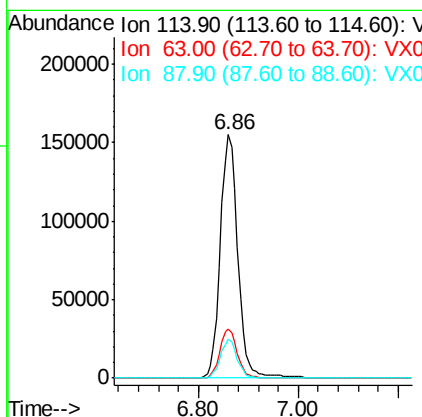
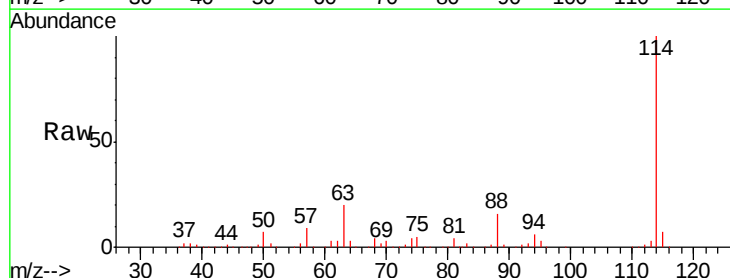
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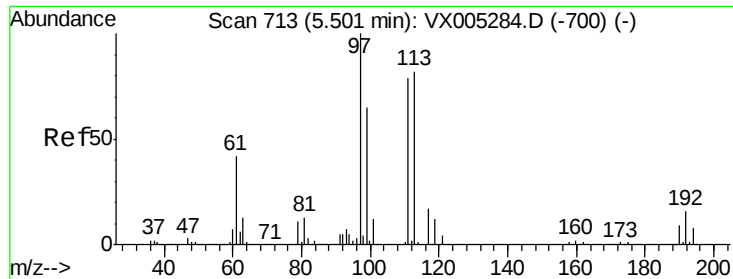
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Tgt Ion: 114 Resp: 379007
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 16.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.41 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

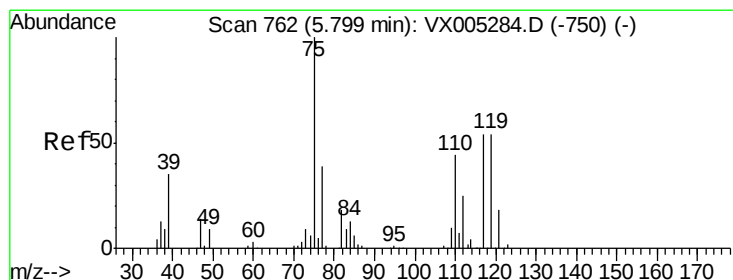
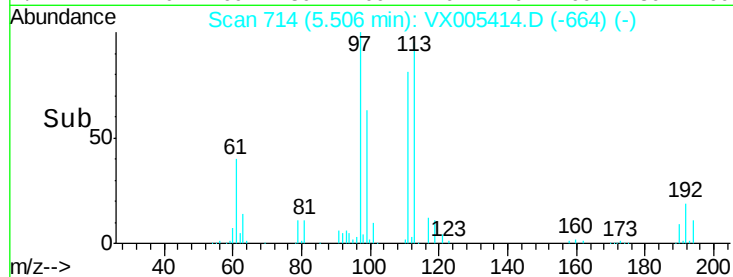
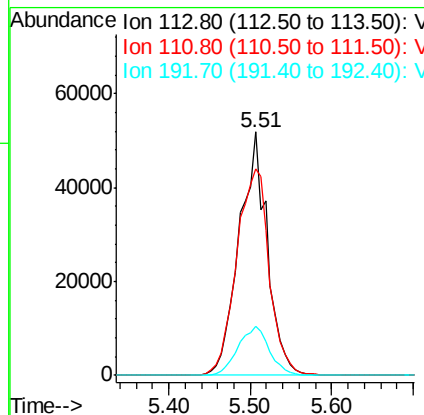
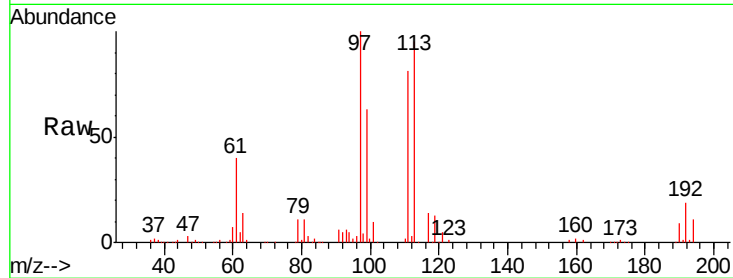
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	113	Resp:	124030
Ion	Ratio	Lower	Upper
113	100		
111	98.0	82.4	123.6
192	22.6	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 44.58 ug/l

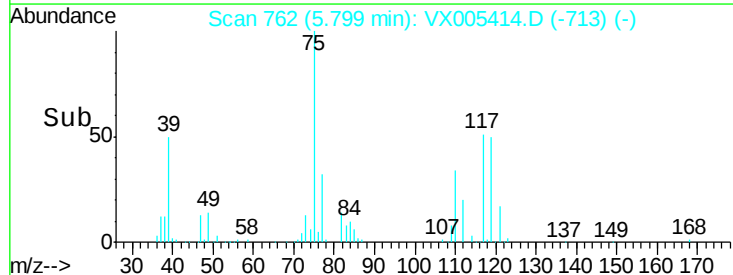
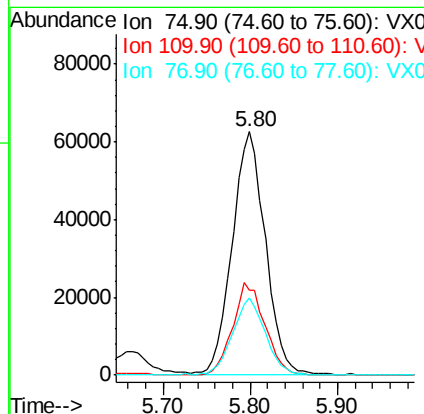
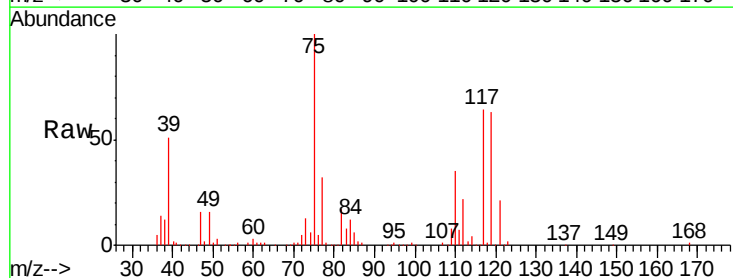
RT: 5.80 min Scan# 762

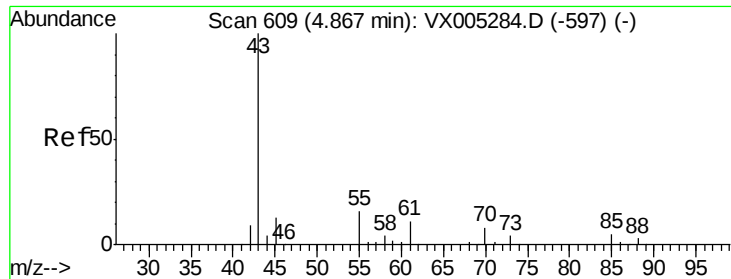
Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	75	Resp:	163655
Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.0	54.0
77	31.4	24.6	36.8





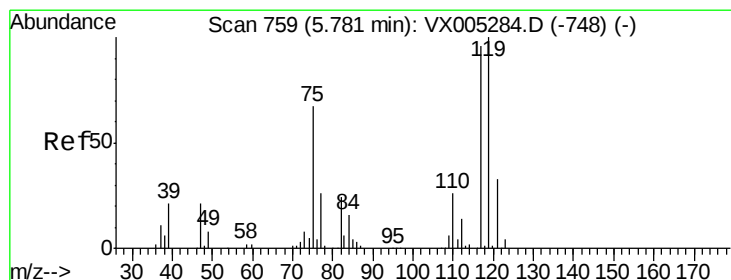
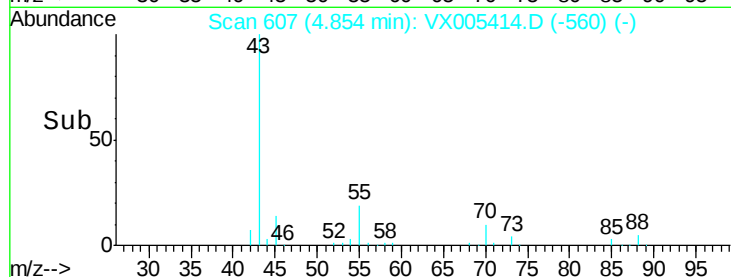
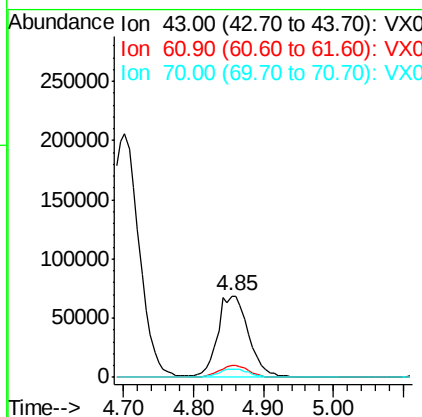
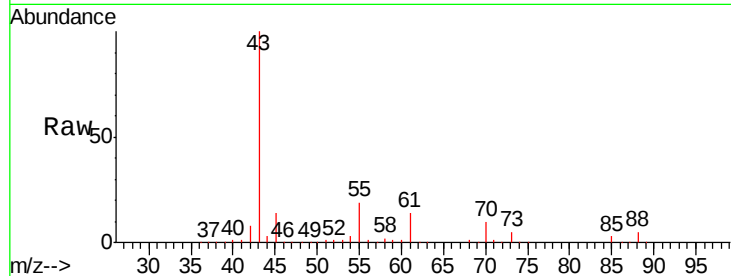
#37
Ethyl Acetate
Concen: 44.70 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.2	9.0	13.6

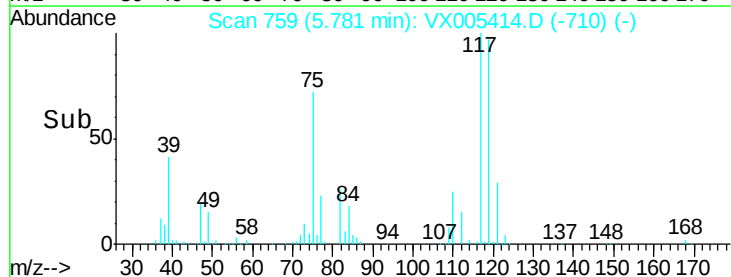
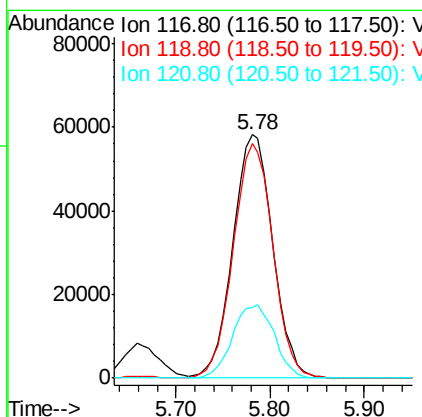
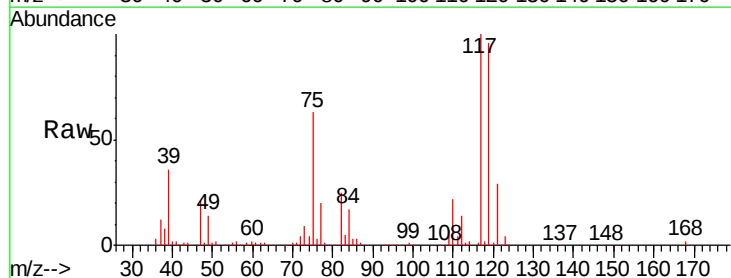
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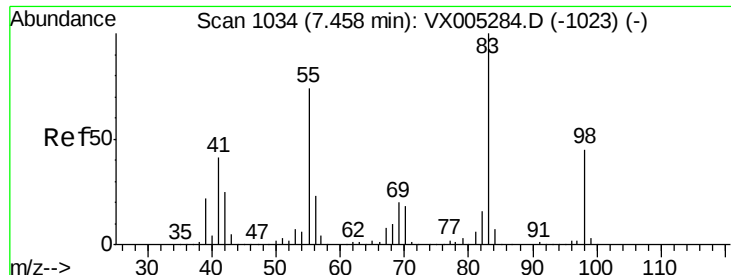
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#38
Carbon Tetrachloride
Concen: 46.51 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.8	118.2
121	29.1	24.9	37.3





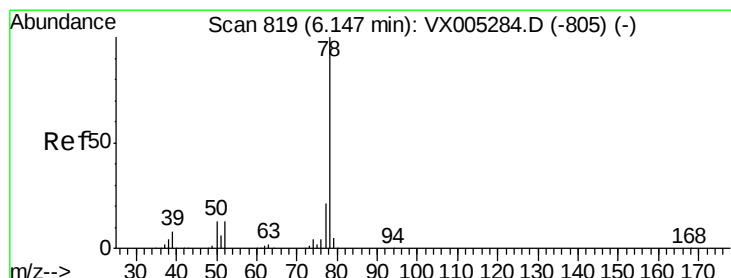
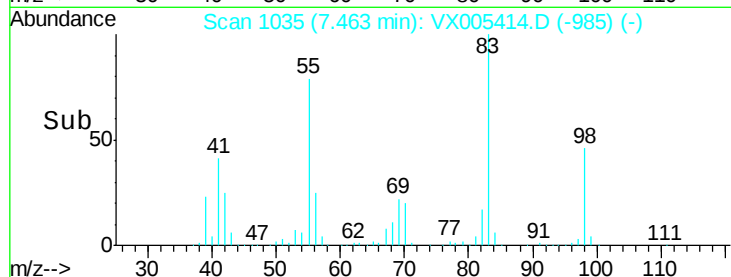
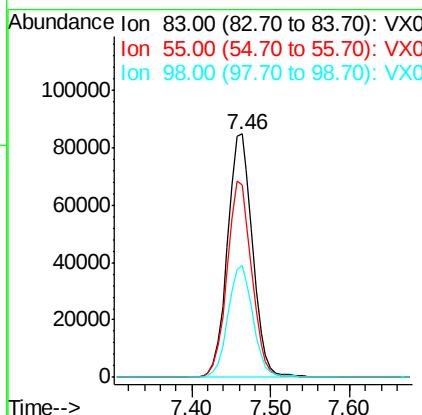
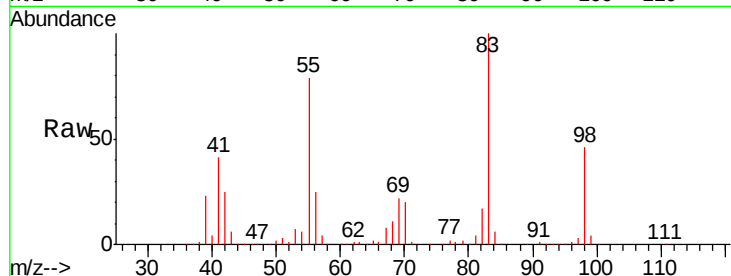
#39
Methylcyclohexane
Concen: 47.19 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.0	91.4
98	46.0	39.6	59.4

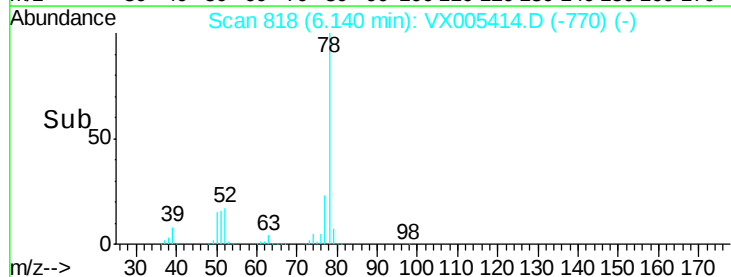
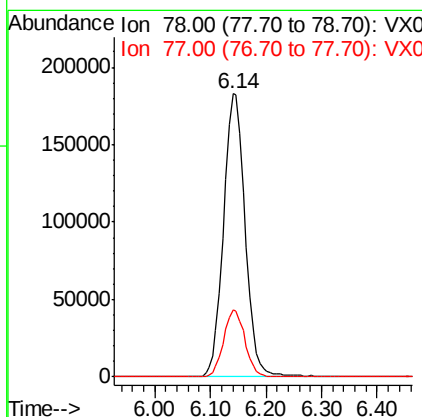
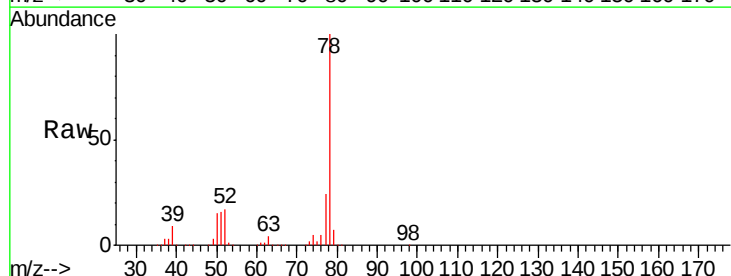
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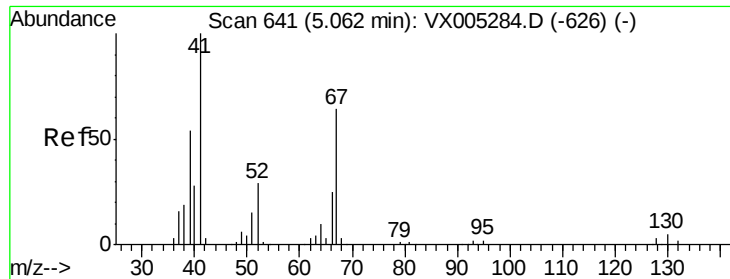
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#40
Benzene
Concen: 44.78 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





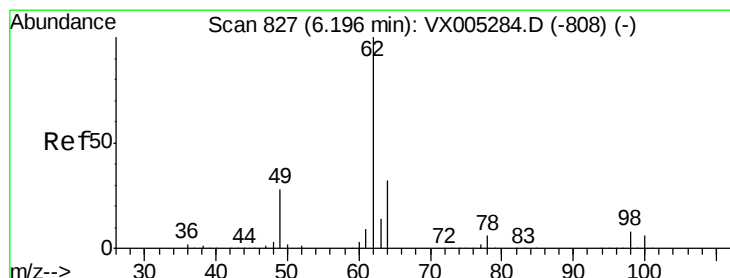
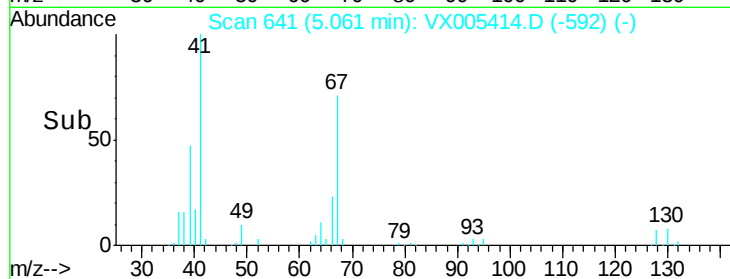
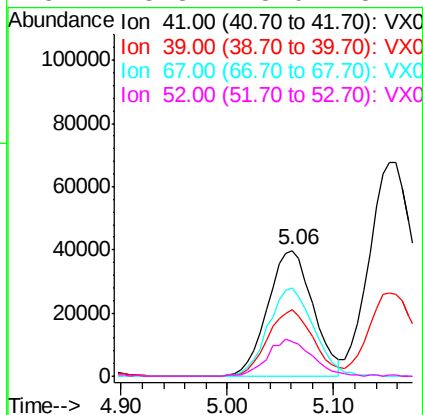
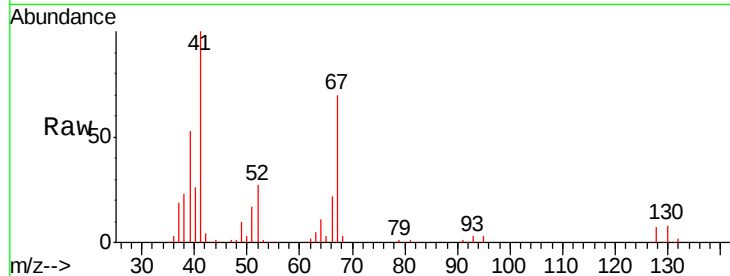
#41
Methacrylonitrile
Concen: 46.35 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	42.4	63.6	
67	70.8	59.2	88.8	
52	28.3	23.0	34.4	

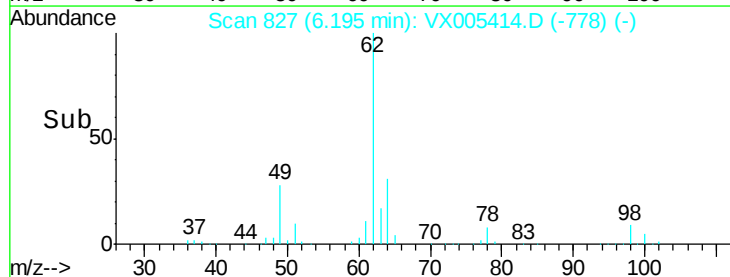
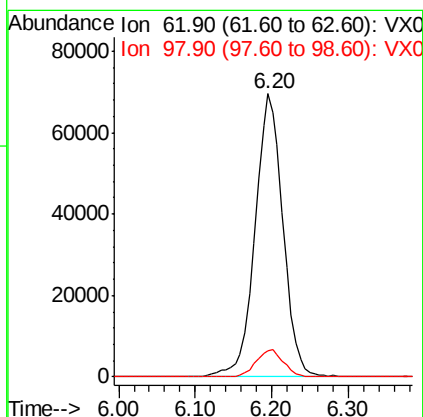
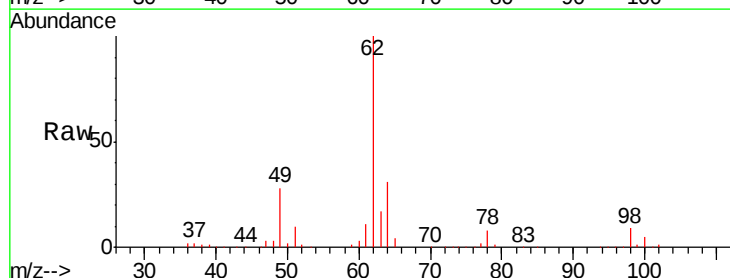
Manual Integrations
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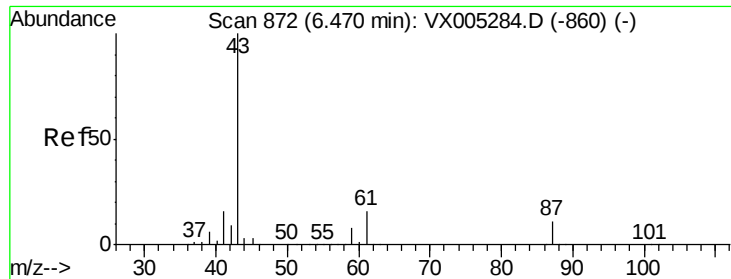
MMDadoda
10/19/2018 12:24:10 PM



#42
1,2-Dichloroethane
Concen: 45.47 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.6	





#43

Isopropyl Acetate

Concen: 50.10 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

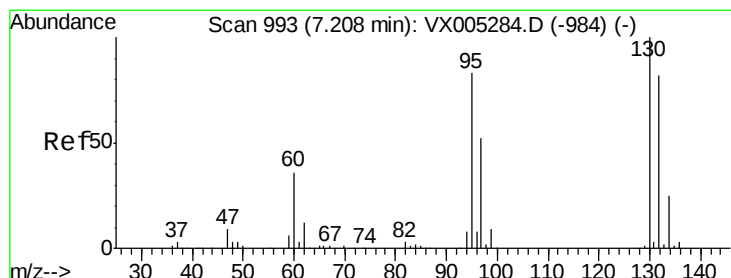
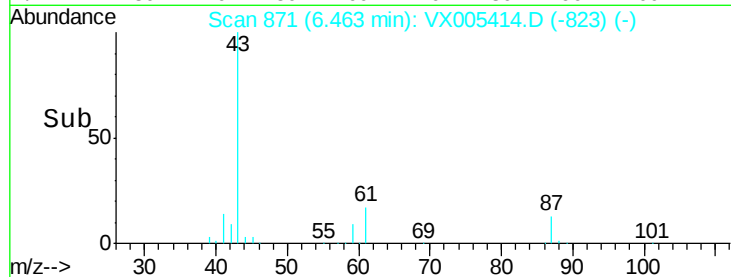
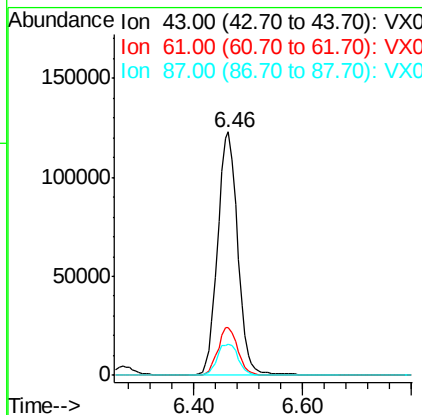
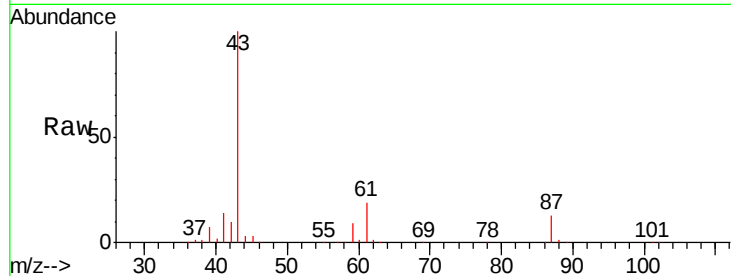
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	43	Resp:	315014
Ion	Ratio	Lower	Upper
43	100		
61	19.7	17.0	25.4
87	13.5	11.4	17.2

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#44

Trichloroethene

Concen: 48.51 ug/l

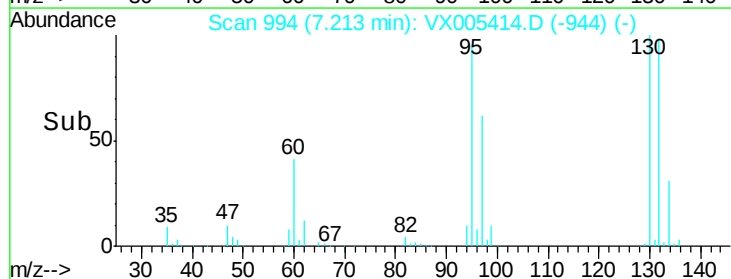
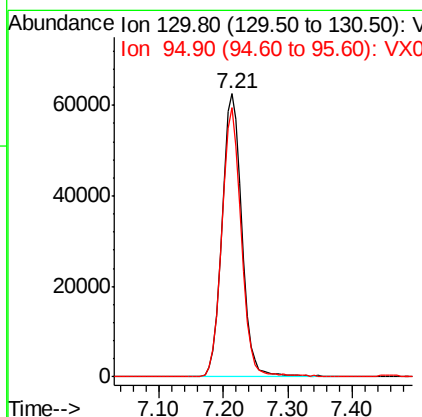
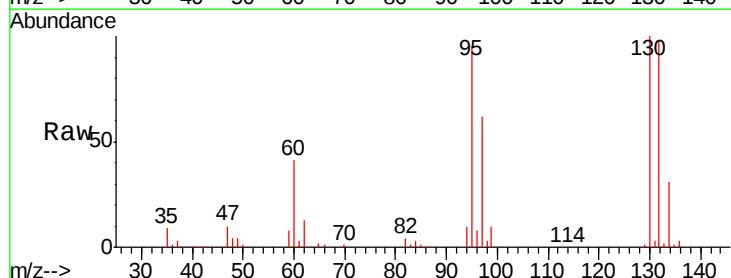
RT: 7.21 min Scan# 994

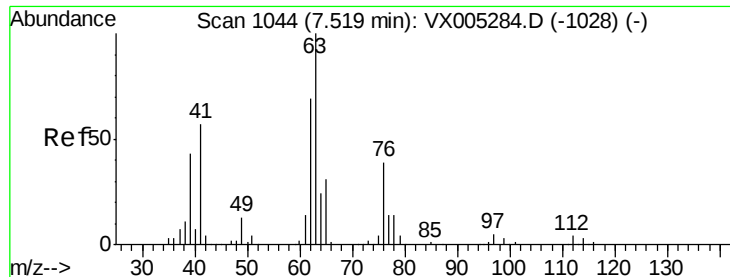
Delta R.T. 0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	130	Resp:	136437
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	181.6





#45

1,2-Dichloropropane

Concen: 50.87 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 63 Resp: 137402

Ion Ratio Lower Upper

63 100

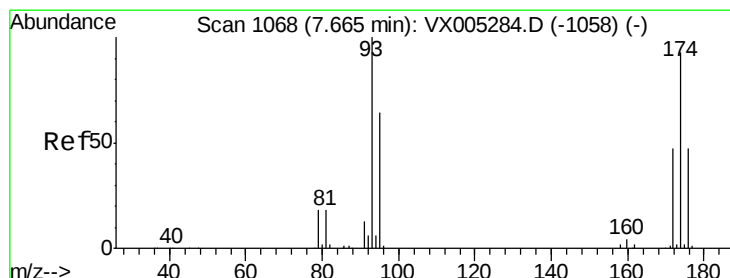
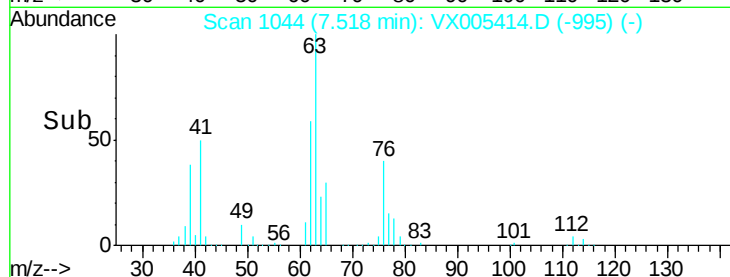
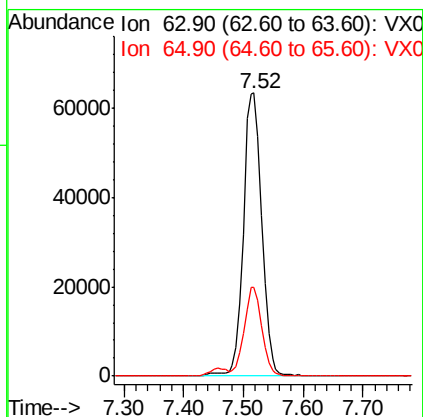
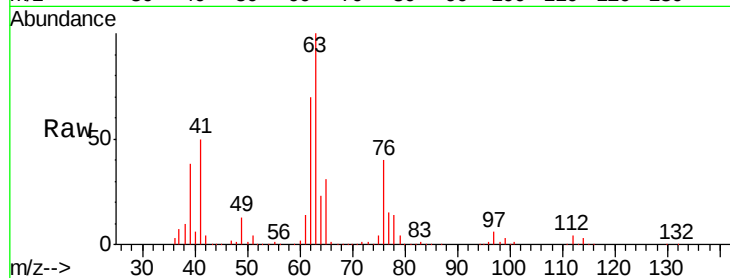
65 31.5 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 48.38 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

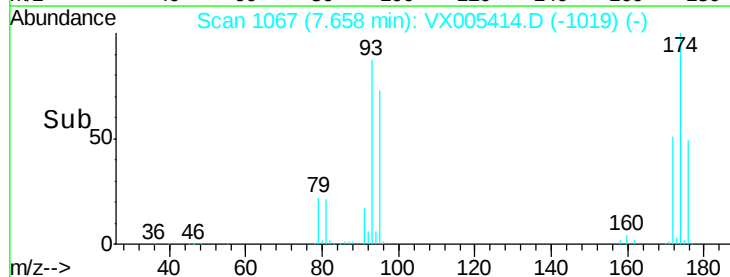
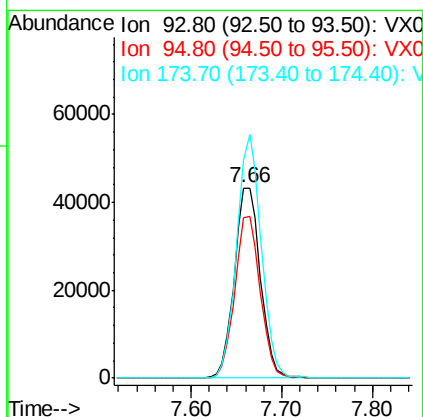
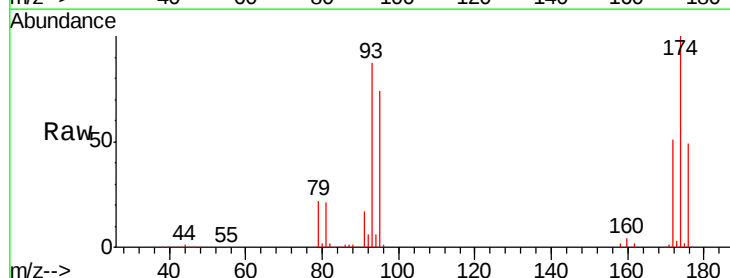
Tgt Ion: 93 Resp: 86250

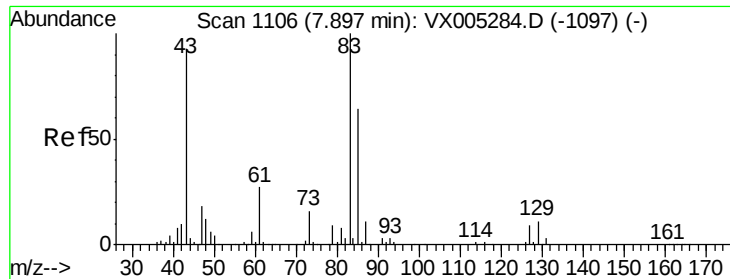
Ion Ratio Lower Upper

93 100

95 83.5 65.5 98.3

174 121.2 94.2 141.4





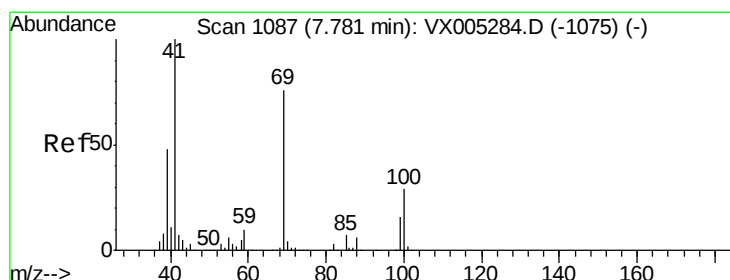
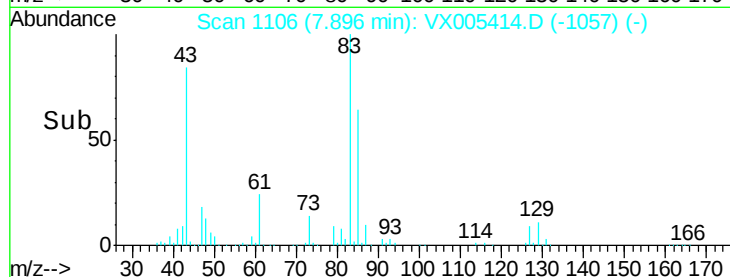
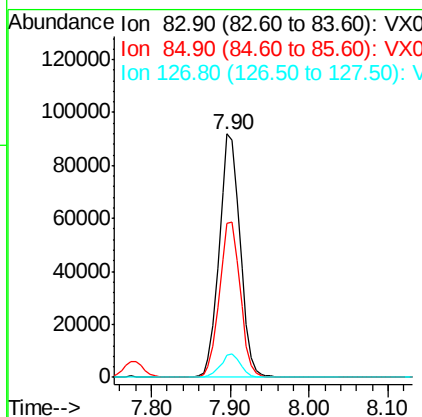
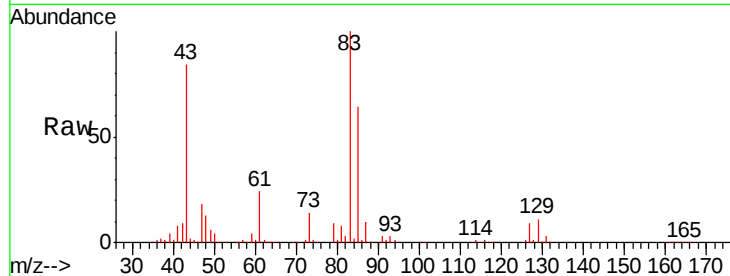
#47
Bromodichloromethane
Concen: 51.28 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	169090		
85	63.5	50.9	76.3	
127	9.2	7.3	10.9	

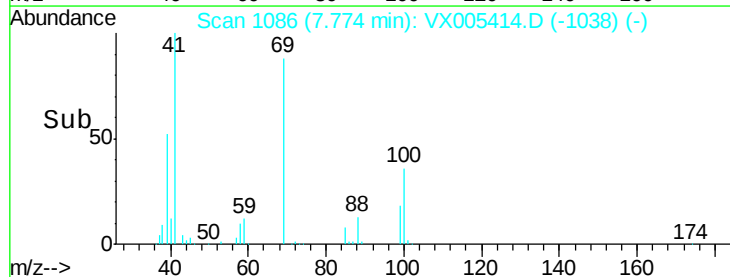
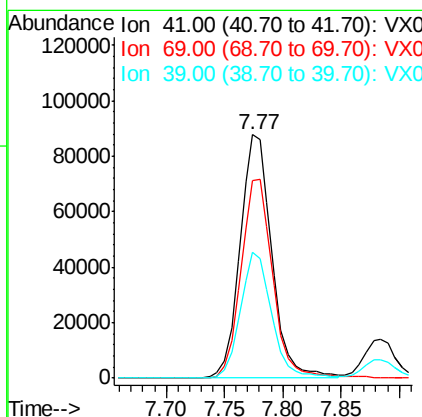
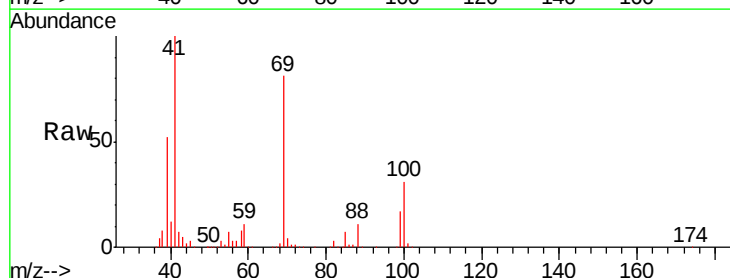
Manual Integrations
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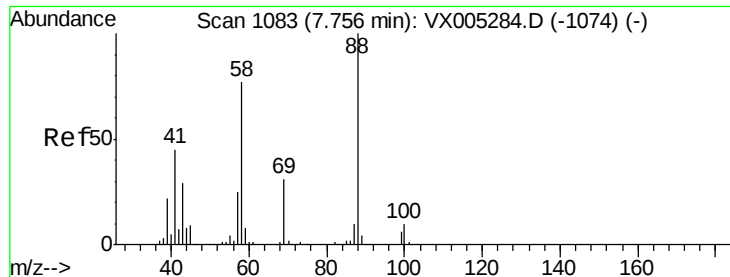
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#48
Methyl methacrylate
Concen: 50.88 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	165953		
69	82.3	70.2	105.4	
39	51.0	42.7	64.1	





#49

1,4-Dioxane

Concen: 883.09 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

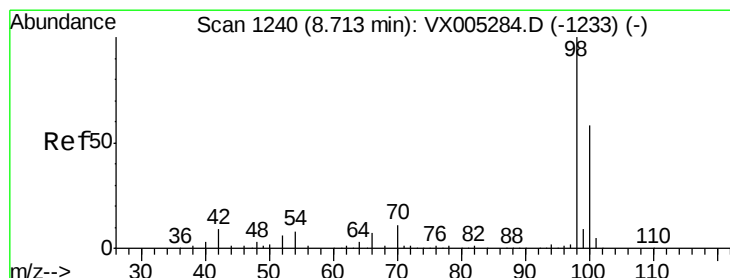
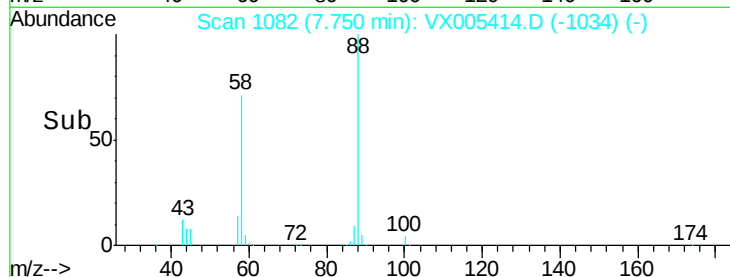
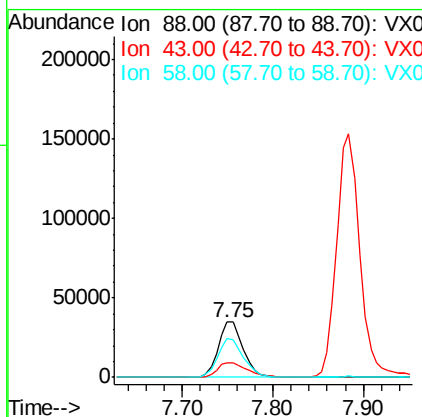
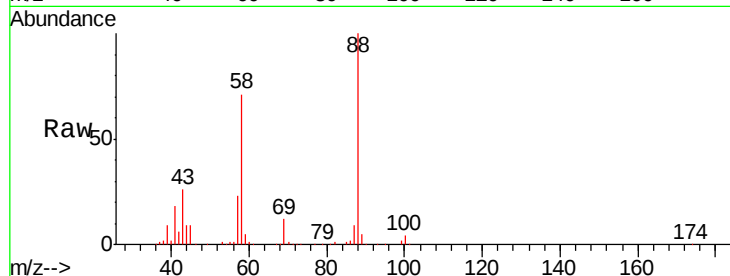
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	88	Resp:	66429
Ion	Ratio	Lower	Upper
88	100		
43	32.3	24.7	37.1
58	72.2	55.3	82.9

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#50

Toluene-d8

Concen: 49.26 ug/l

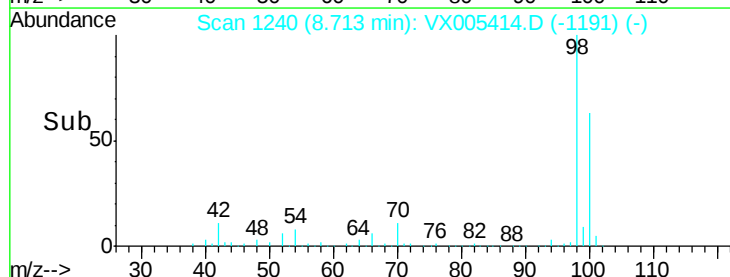
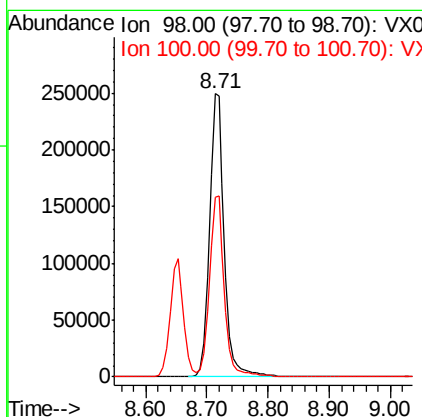
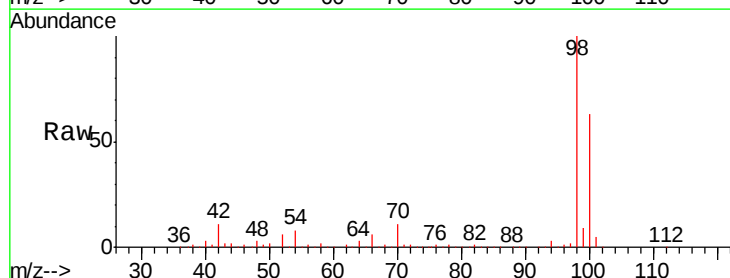
RT: 8.71 min Scan# 1240

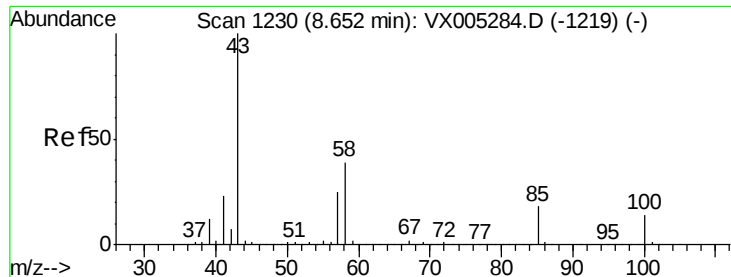
Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	98	Resp:	424552
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.9	79.3





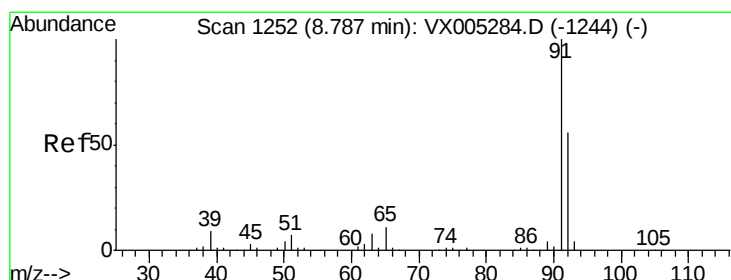
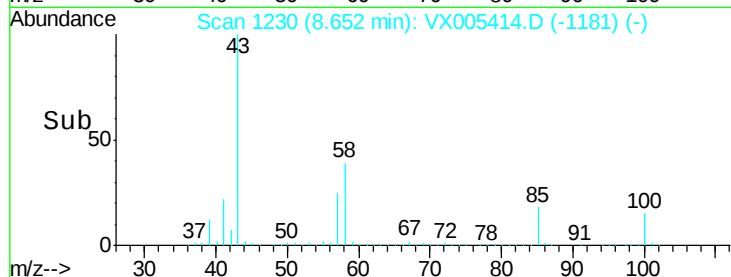
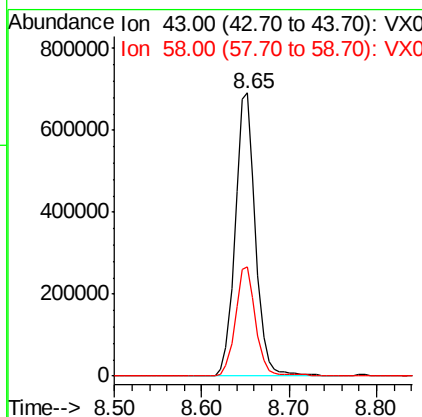
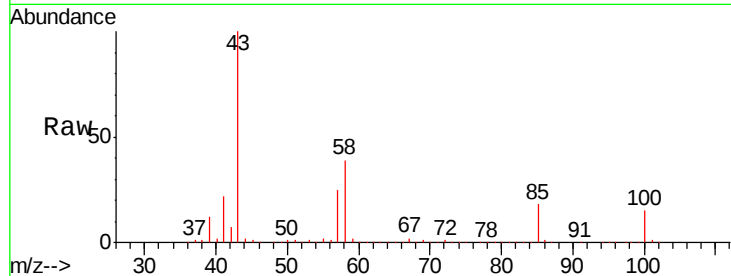
#51
4-Methyl-2-Pentanone
Concen: 256.92 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion: 43 Resp: 1118652
Ion Ratio Lower Upper
43 100
58 39.0 33.1 49.7

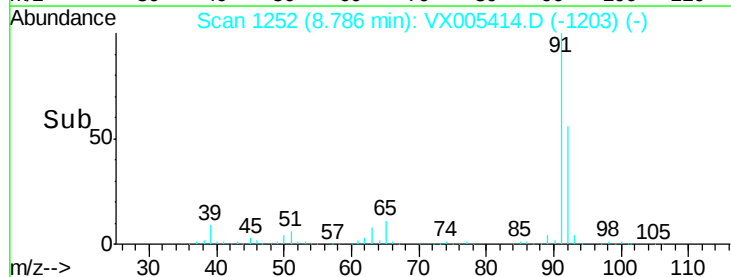
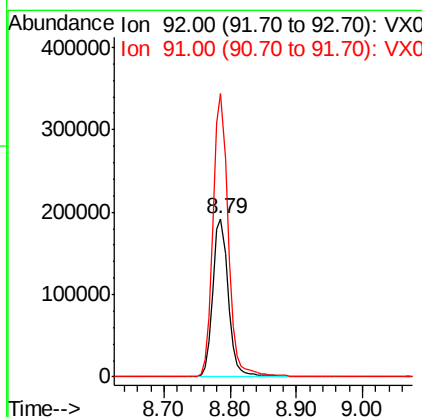
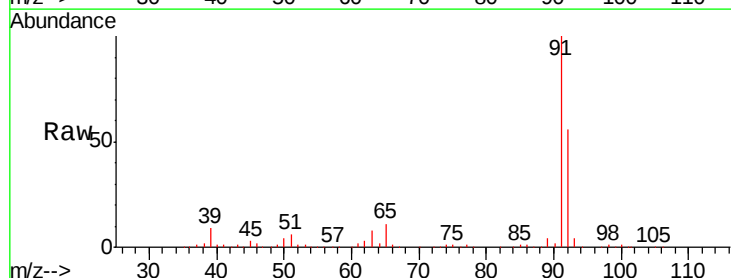
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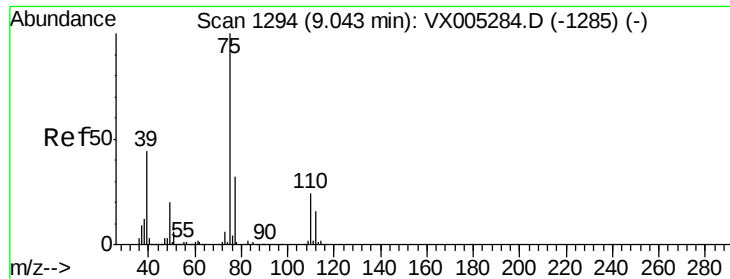
MMDadoda
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#52
Toluene
Concen: 51.74 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion: 92 Resp: 311660
Ion Ratio Lower Upper
92 100
91 175.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 51.68 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 75 Resp: 184439

Ion Ratio Lower Upper

75 100

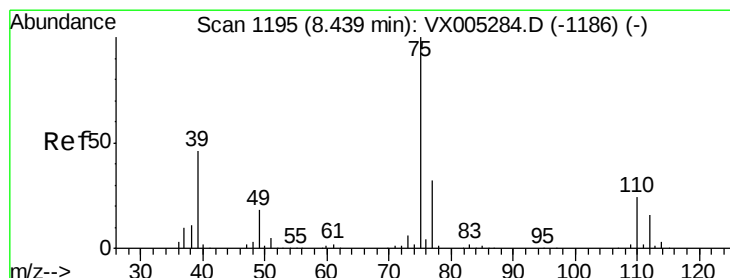
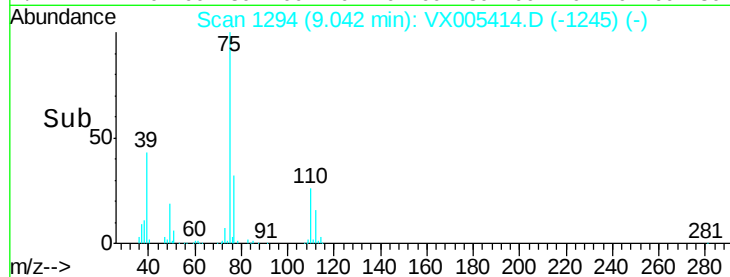
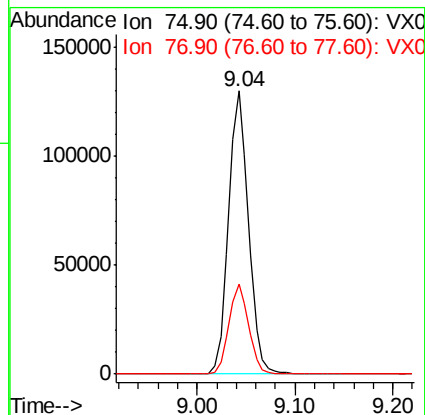
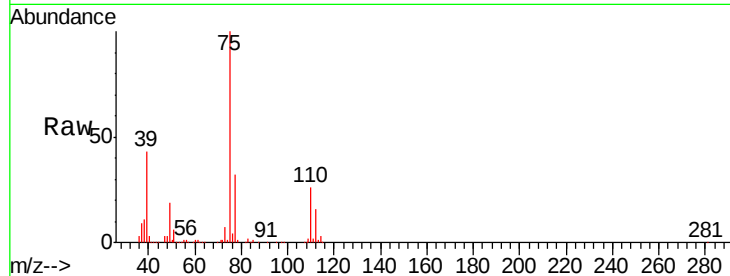
77 31.7 24.6 37.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.86 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

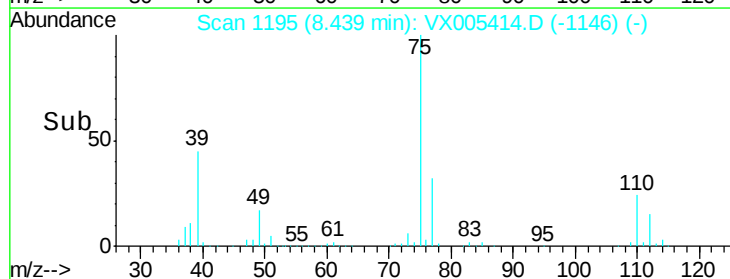
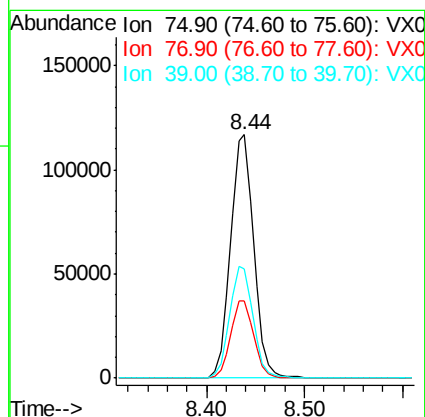
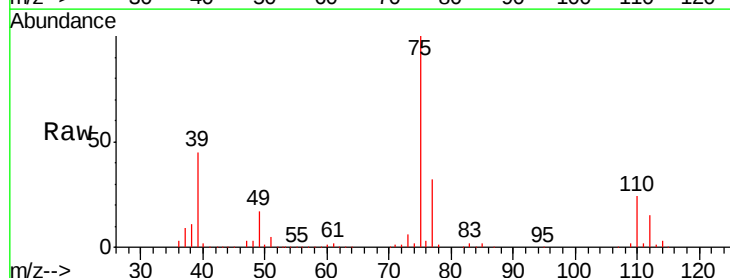
Tgt Ion: 75 Resp: 192800

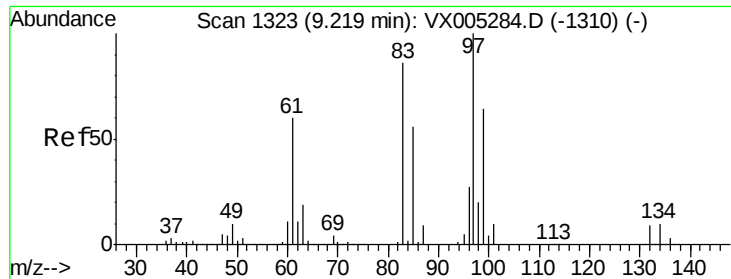
Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

39 45.0 36.4 54.6





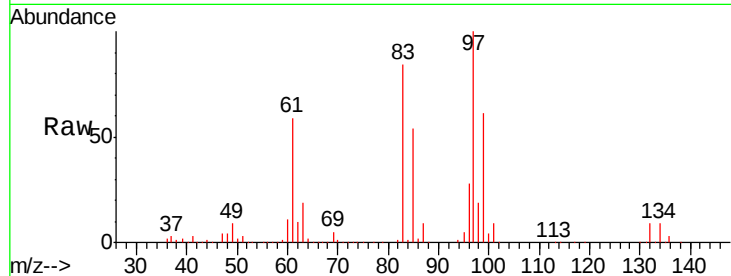
#55
 1,1,2-Trichloroethane
 Concen: 51.73 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MSD

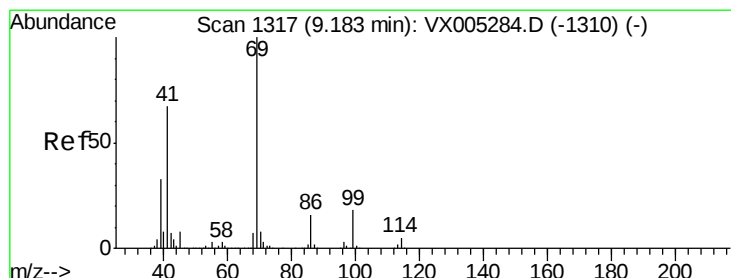
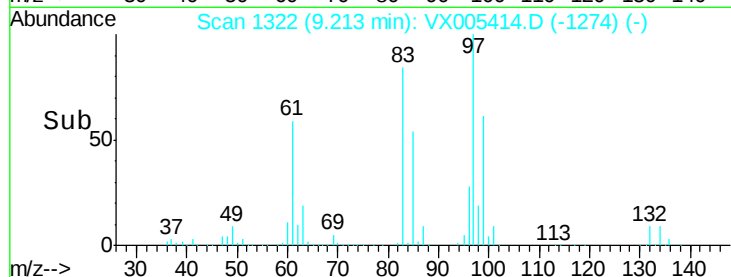
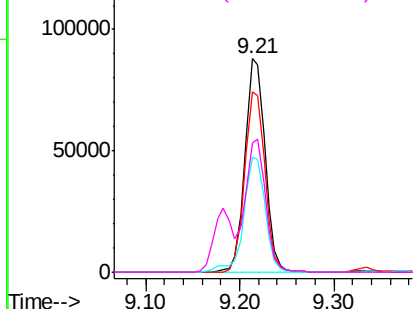
Tgt Ion:	97	Resp:	131999
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.4	99.6
85	54.2	43.3	64.9
99	60.5	49.0	73.4

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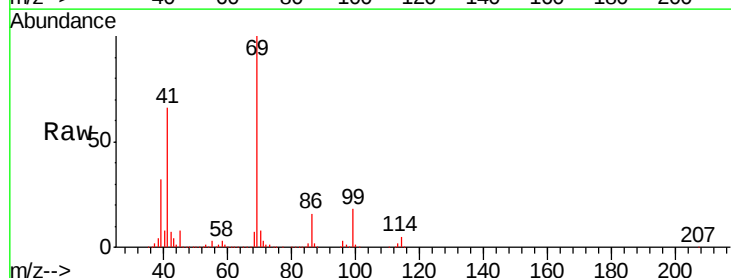


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

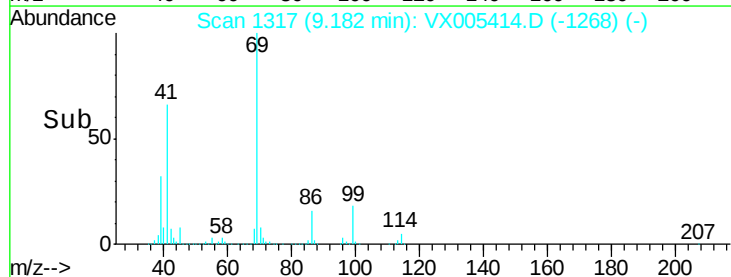
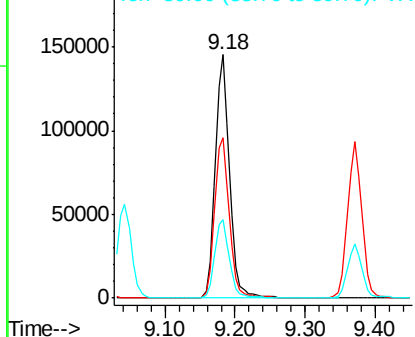


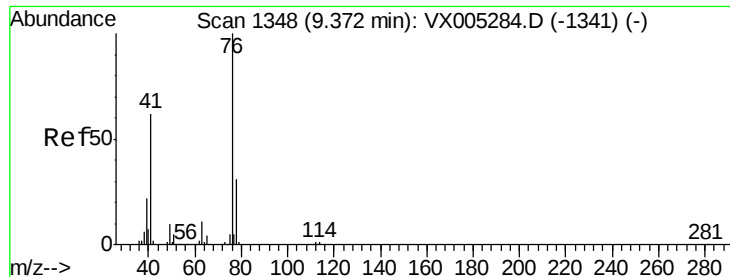
#56
 Ethyl methacrylate
 Concen: 55.28 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Tgt Ion:	69	Resp:	205640
Ion	Ratio	Lower	Upper
69	100		
41	67.9	51.0	76.4
39	33.0	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: 51.17 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 76 Resp: 217906

Ion Ratio Lower Upper

76 100

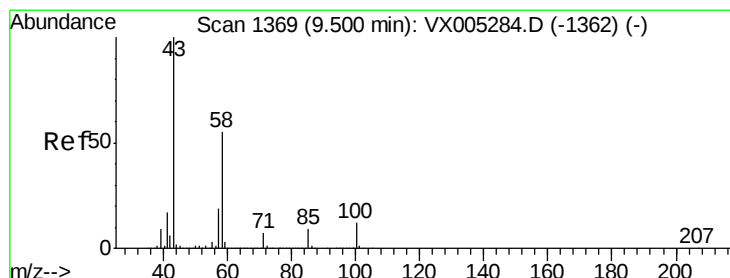
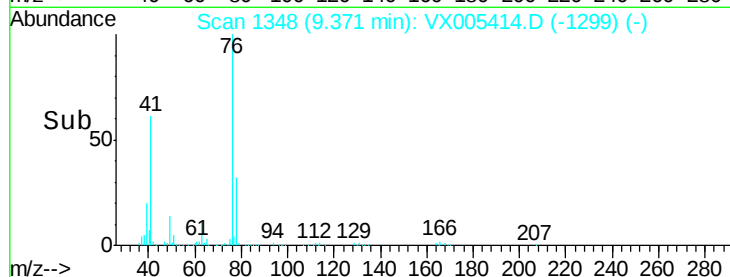
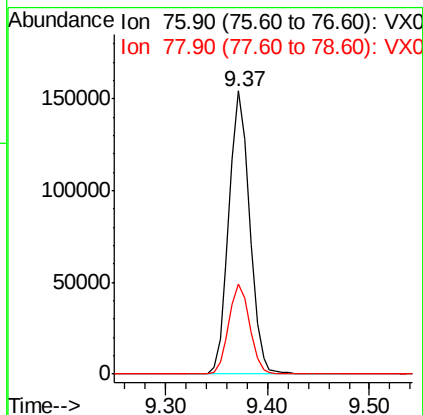
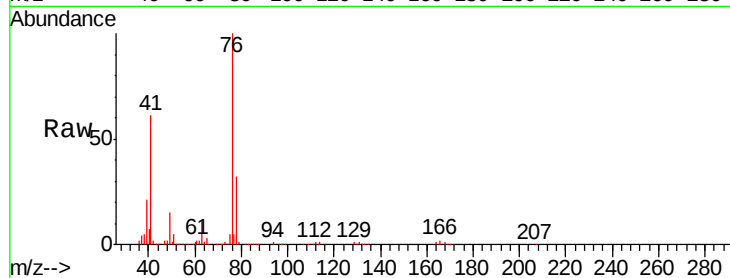
78 32.0 25.5 38.3

Manual Integrations

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#59

2-Hexanone

Concen: 251.78 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX005414.D

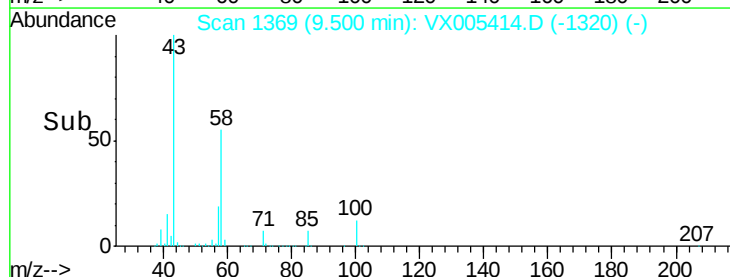
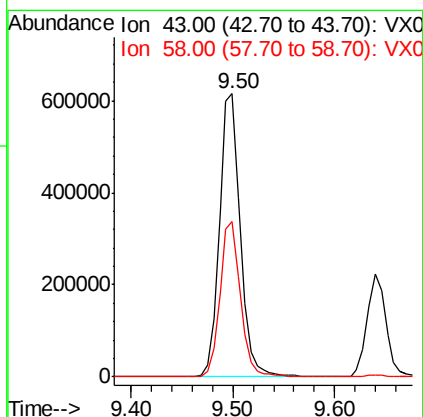
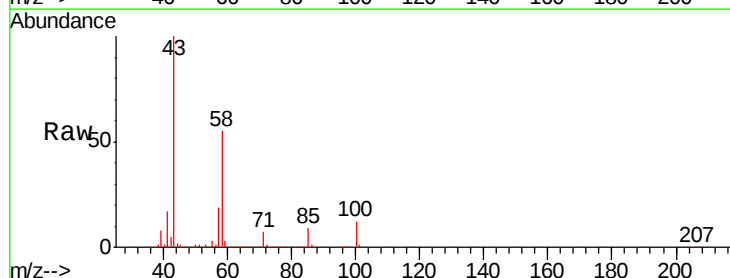
Acq: 18 Oct 2018 02:27

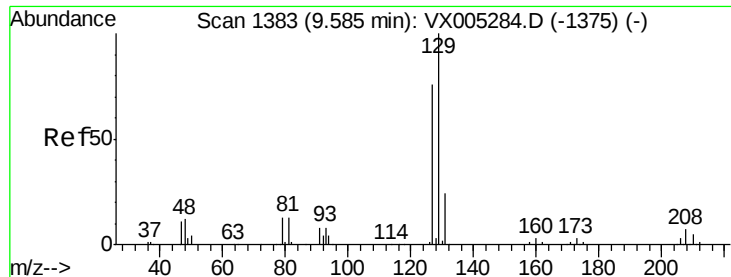
Tgt Ion: 43 Resp: 881853

Ion Ratio Lower Upper

43 100

58 54.1 29.0 87.0





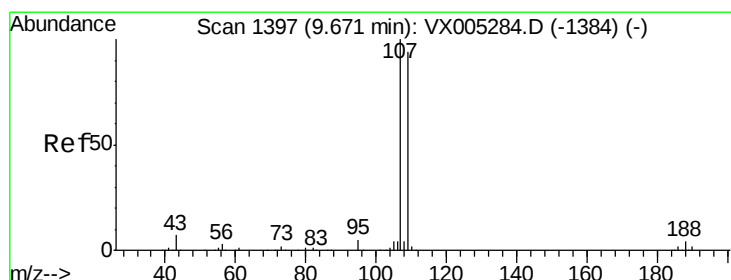
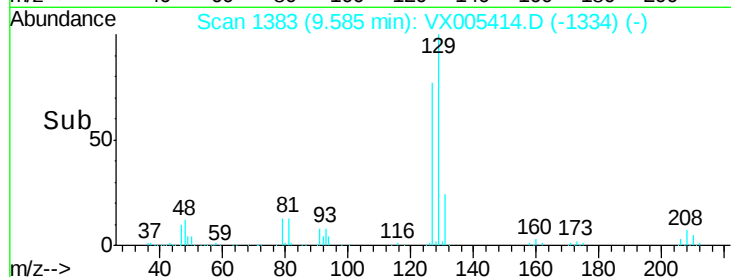
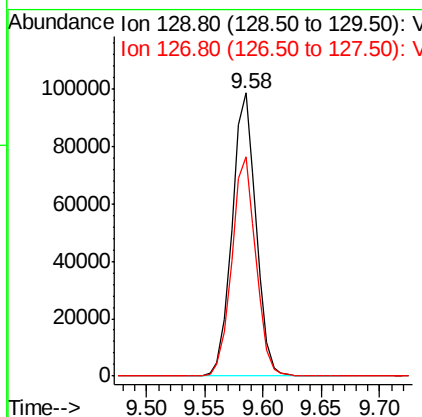
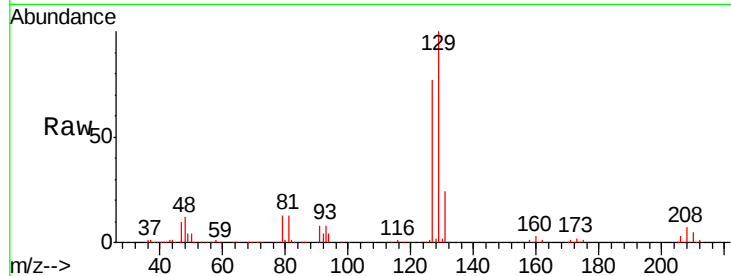
#60
Dibromochloromethane
Concen: 53.40 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:129 Resp: 140851
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5

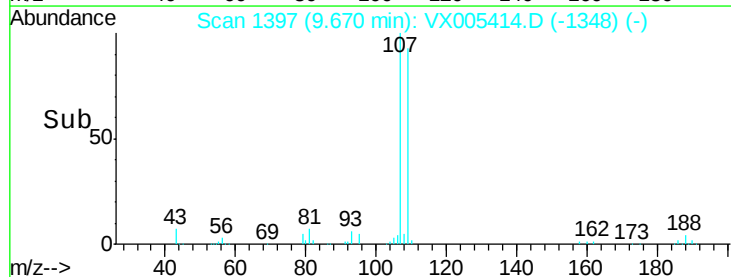
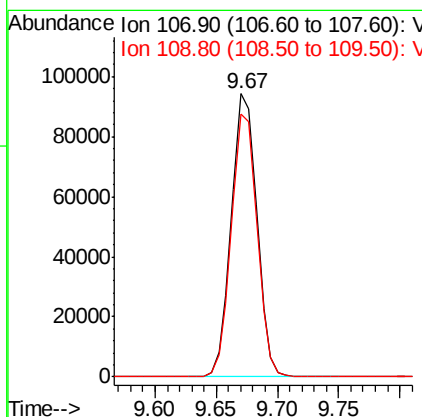
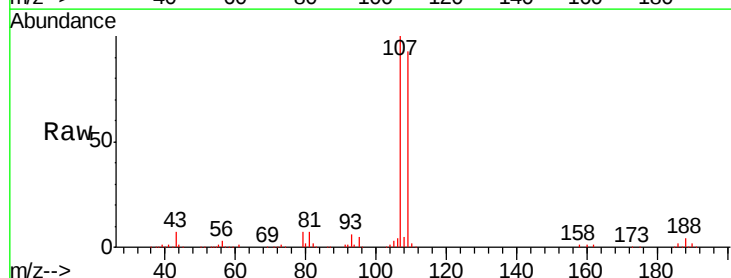
Manual Integrations
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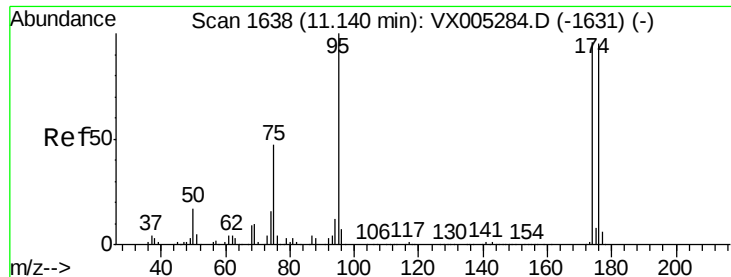
MMDadoda
10/19/2018 12:24:10 PM



#61
1,2-Dibromoethane
Concen: 50.84 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion:107 Resp: 136150
Ion Ratio Lower Upper
107 100
109 94.0 76.0 114.0





#62

4-Bromofluorobenzene

Concen: 49.48 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

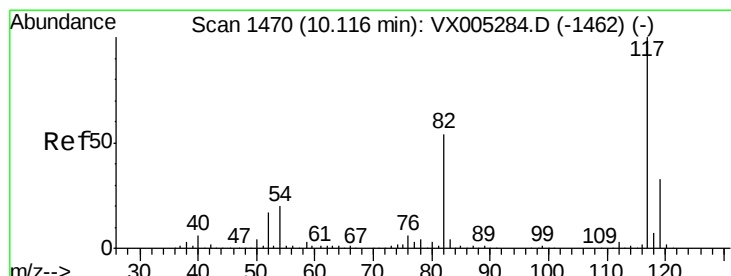
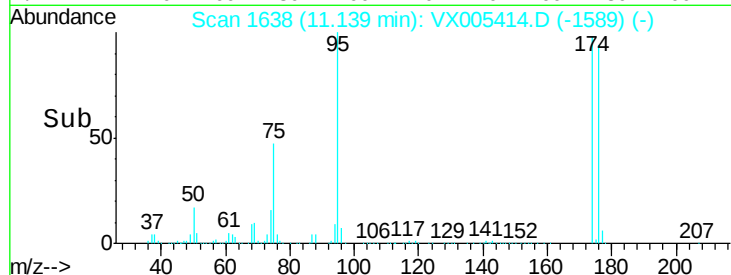
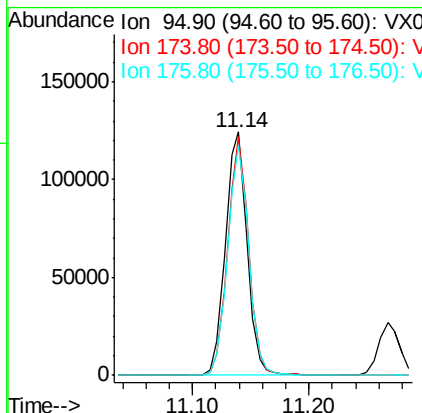
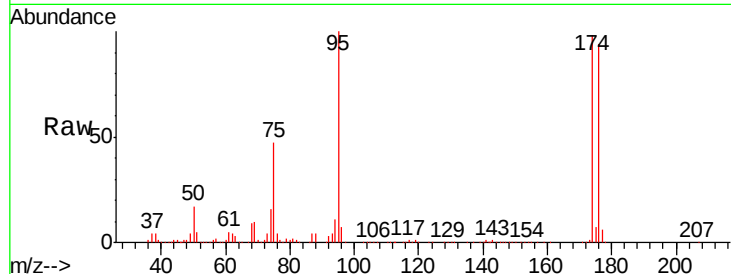
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	95	Resp:	160183
Ion Ratio	Lower	Upper	
95	100		
174	95.0	0.0	185.2
176	92.7	0.0	178.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

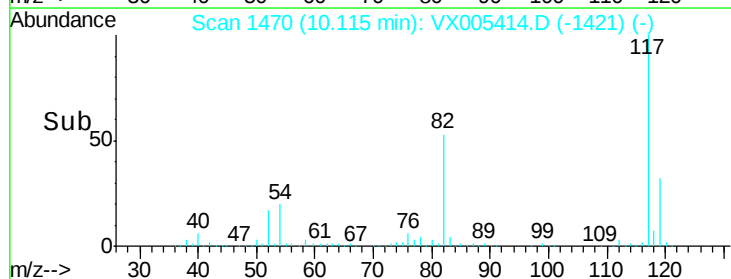
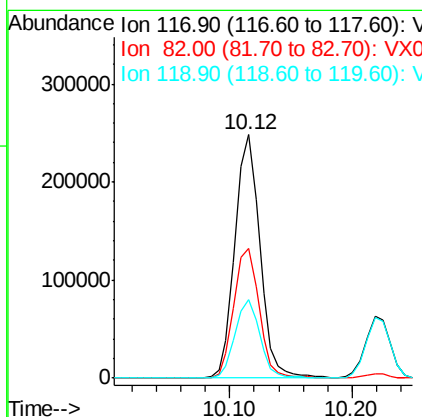
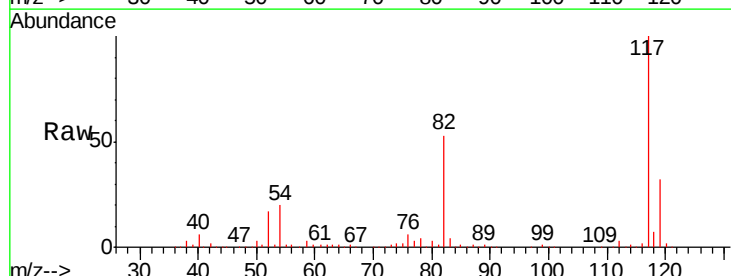
RT: 10.12 min Scan# 1470

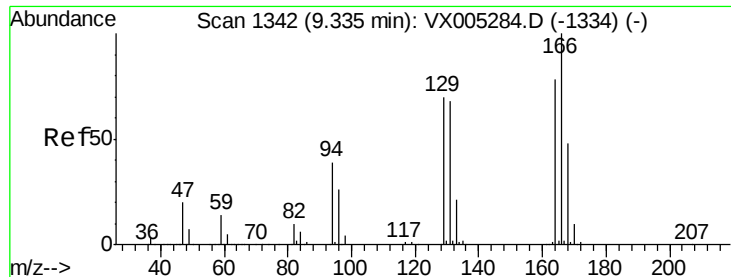
Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	117	Resp:	351521
Ion Ratio	Lower	Upper	
117	100		
82	53.5	47.8	71.6
119	32.3	29.3	43.9





#64

Tetrachloroethene

Concen: 46.63 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:164 Resp: 131962

Ion Ratio Lower Upper

164 100

166 129.5 102.8 154.2

129 89.9 69.4 104.0

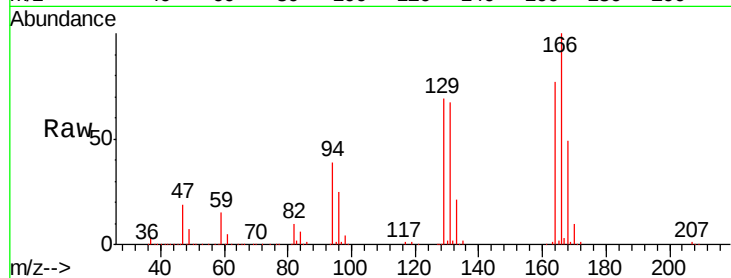
131 86.4 67.9 101.9

Manual Integrations

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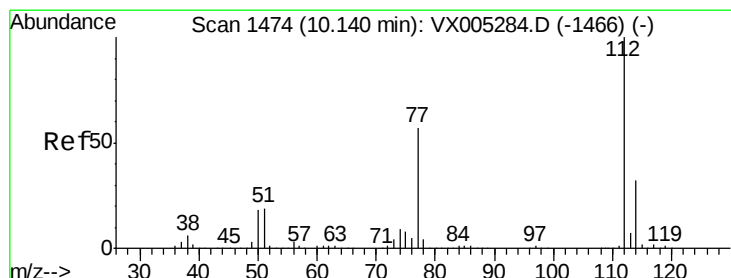
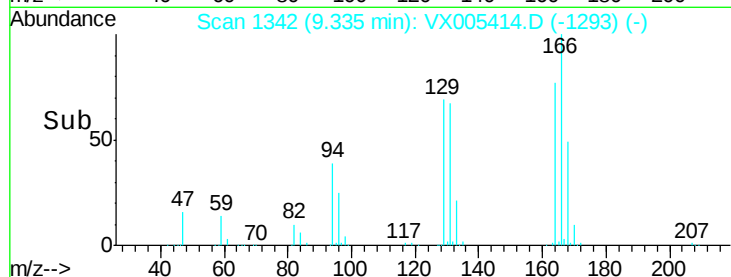
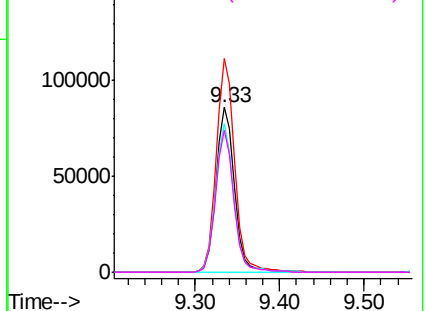


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.97 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005414.D

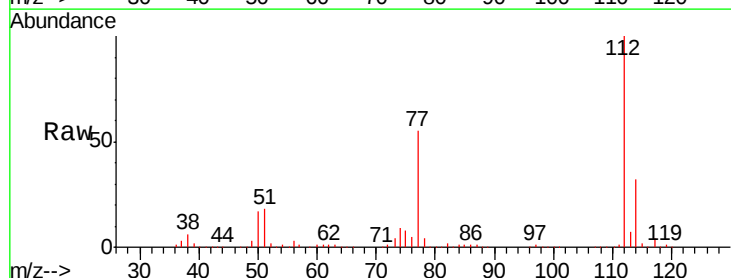
Acq: 18 Oct 2018 02:27

Tgt Ion:112 Resp: 358689

Ion Ratio Lower Upper

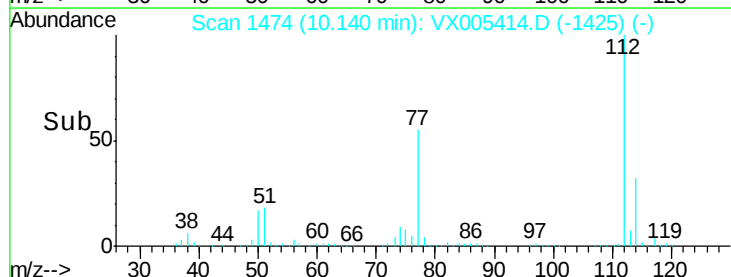
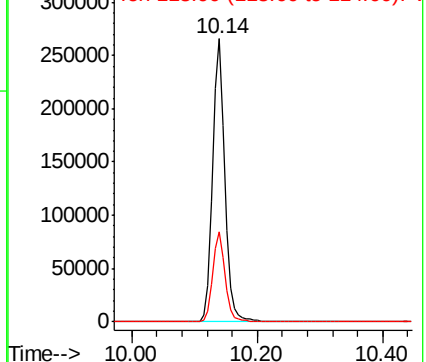
112 100

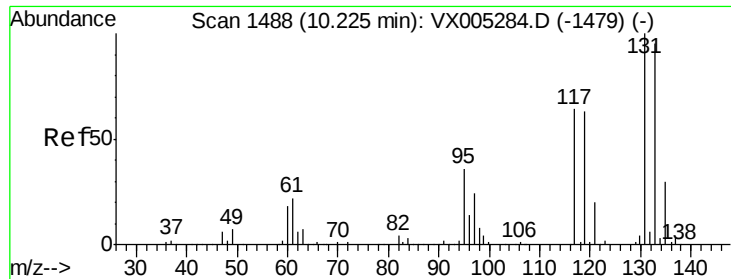
114 31.7 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 50.19 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 131 Resp: 133746

Ion Ratio Lower Upper

131 100

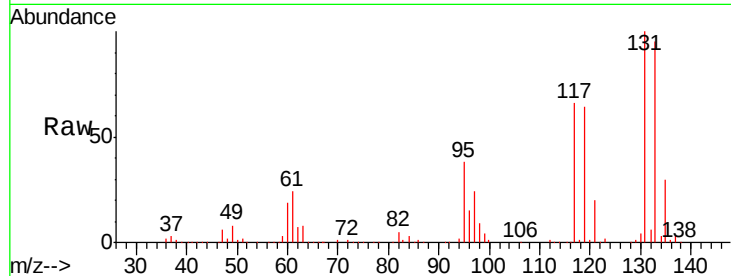
133 96.5 48.1 144.4

119 64.1 32.9 98.6

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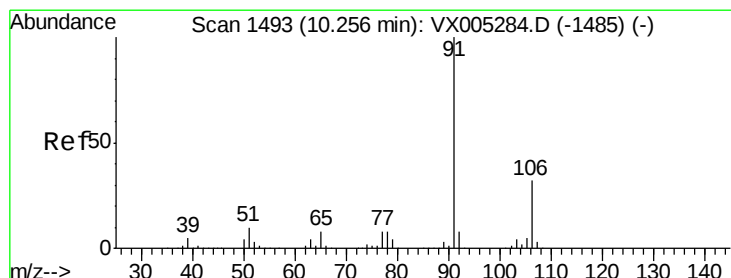
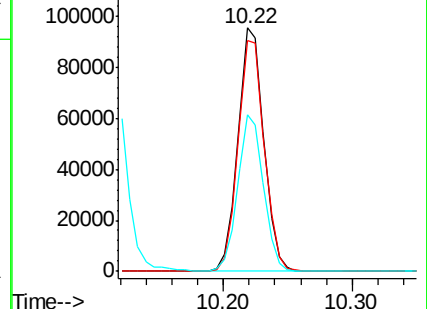
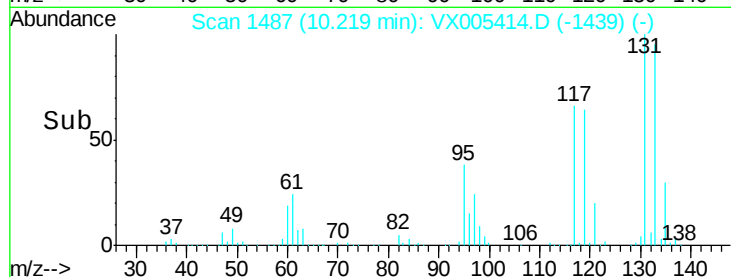
10/19/2018 12:24:10 PM



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 49.91 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005414.D

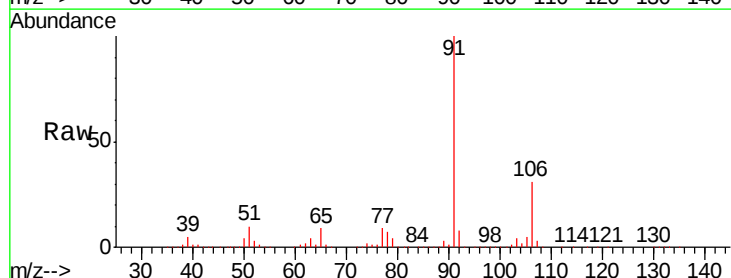
Acq: 18 Oct 2018 02:27

Tgt Ion: 91 Resp: 606686

Ion Ratio Lower Upper

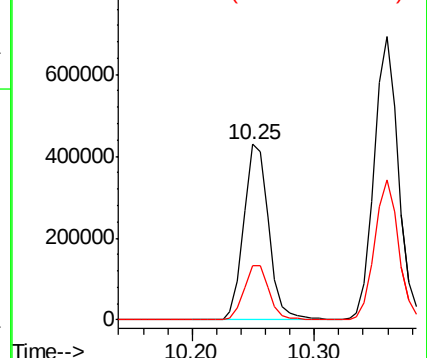
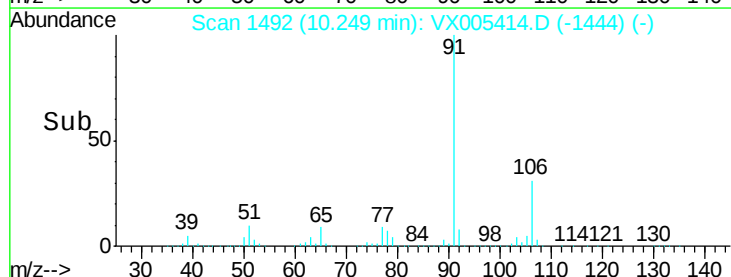
91 100

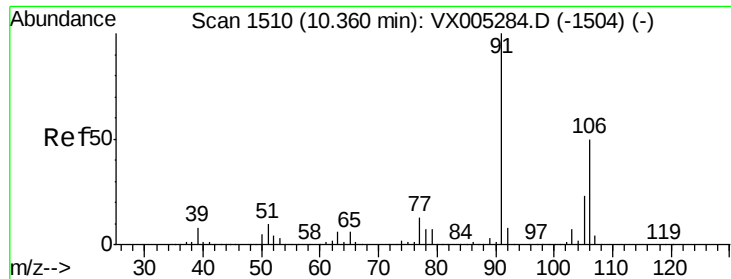
106 31.0 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





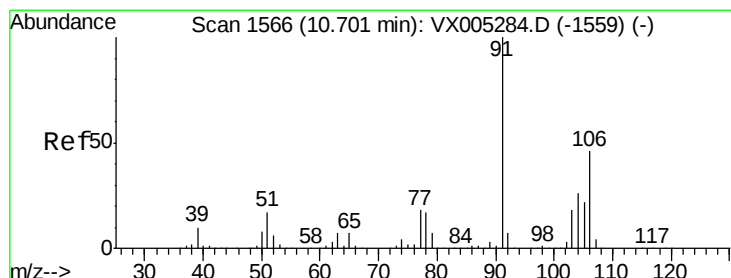
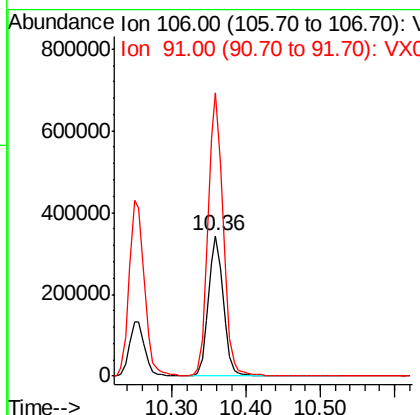
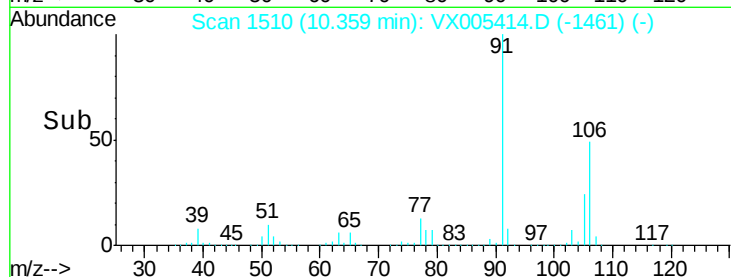
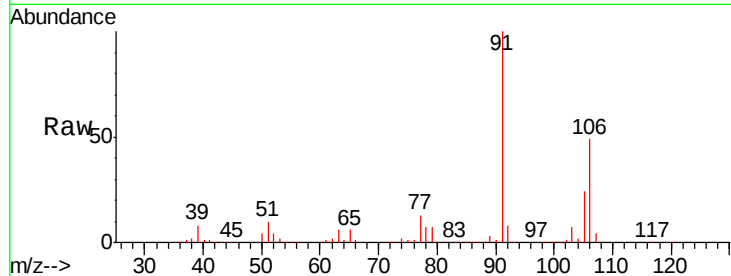
#68
m/p-Xylenes
Concen: 100.02 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:106 Resp: 471878
Ion Ratio Lower Upper
106 100
91 203.5 157.1 235.7

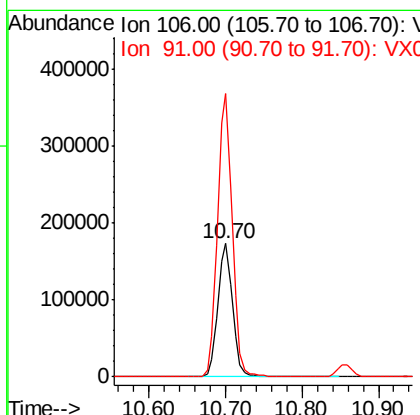
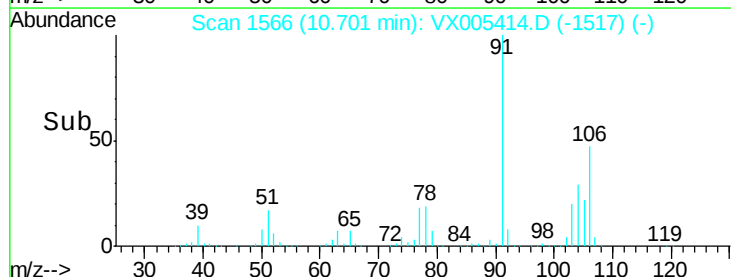
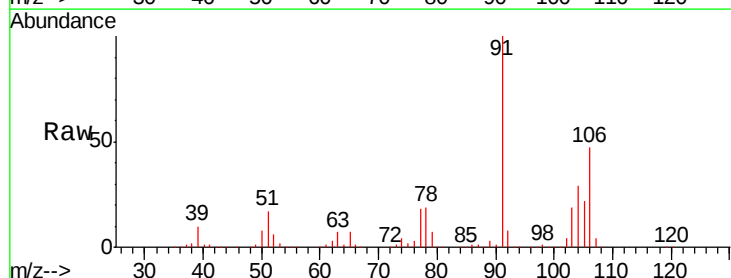
Manual Integrations
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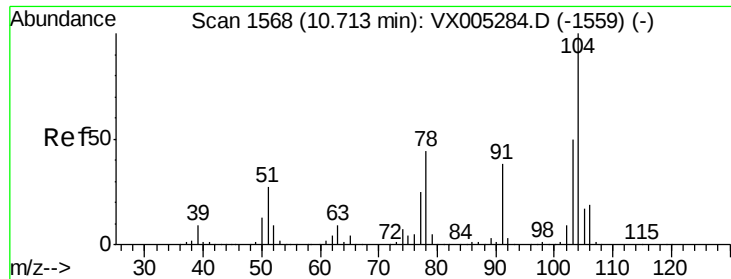
MMDadoda
10/19/2018 12:24:10 PM



#69
o-Xylene
Concen: 50.74 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion:106 Resp: 230864
Ion Ratio Lower Upper
106 100
91 213.1 105.1 315.1





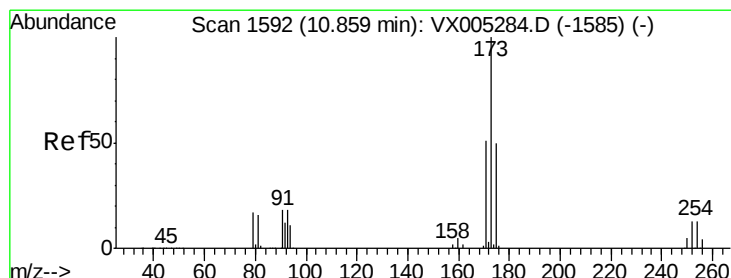
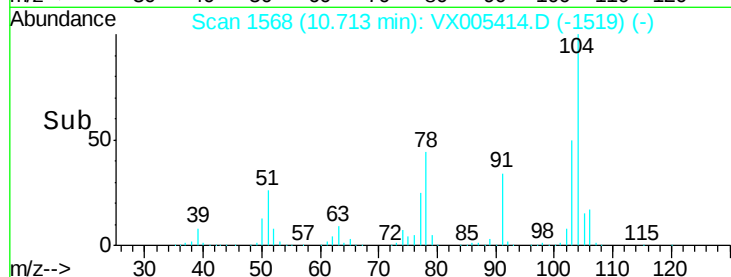
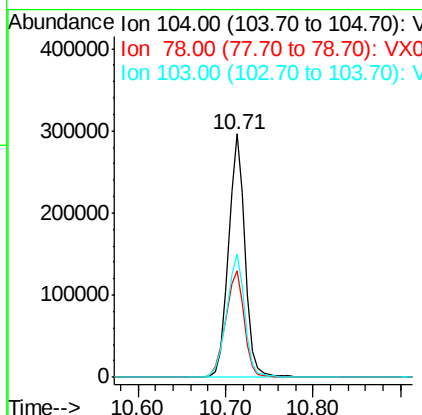
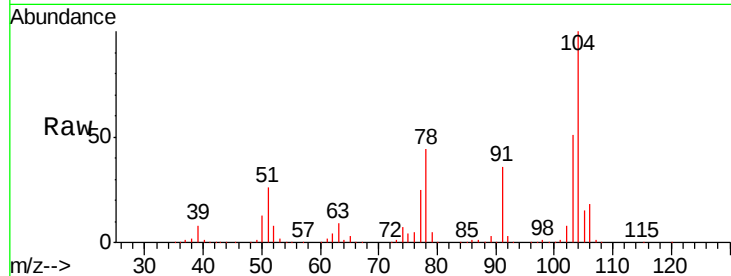
#70
Styrene
Concen: 51.78 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	37.4	56.0
103	55.6	43.8	65.6

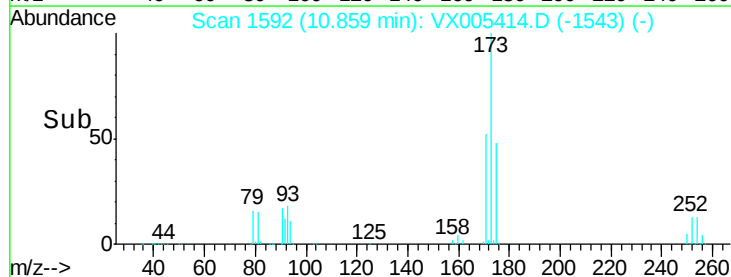
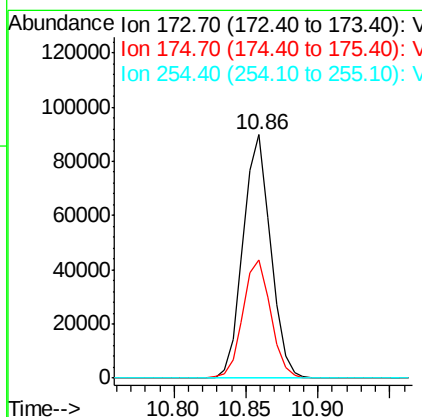
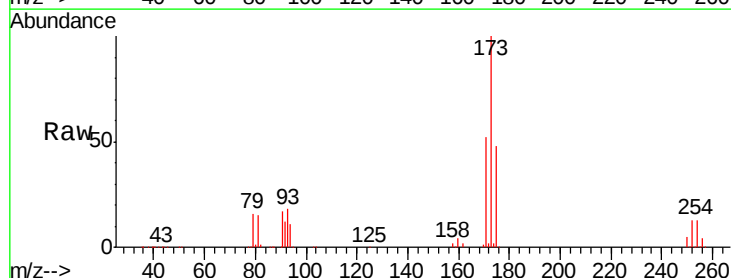
Manual Integrations
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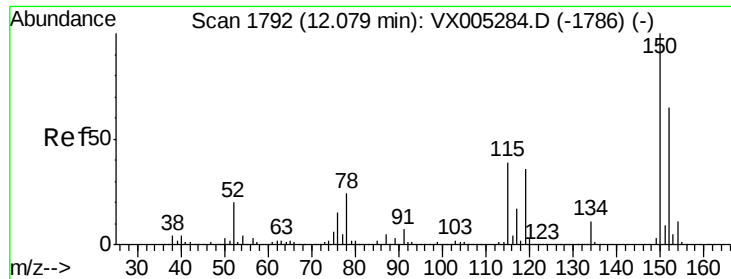
MMDadoda
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#71
Bromoform
Concen: 50.10 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

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: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion:152 Resp: 200366

Ion Ratio Lower Upper

152 100

115 76.1 39.0 117.0

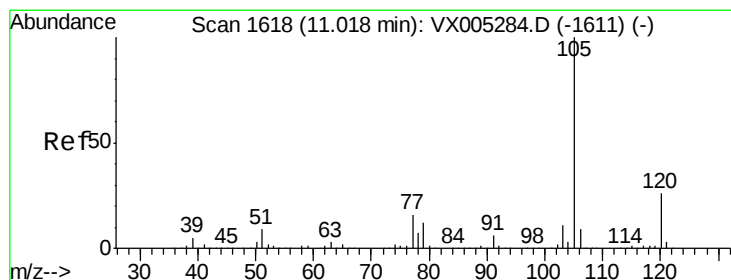
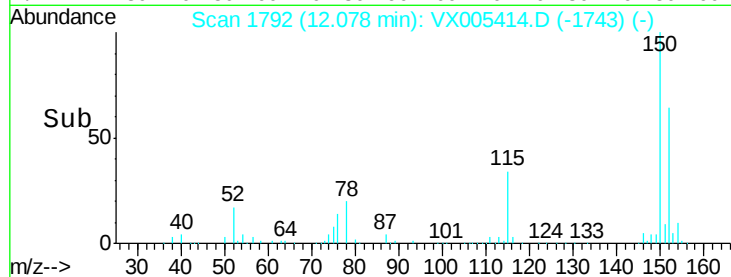
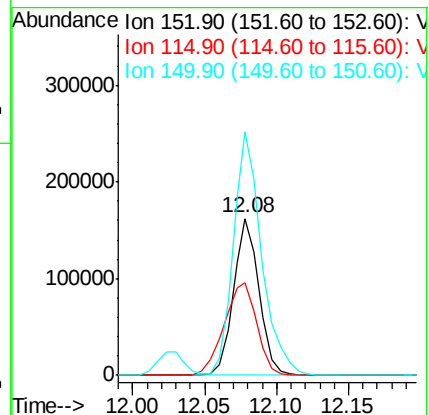
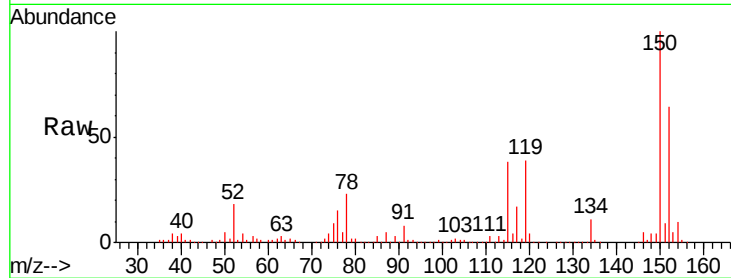
150 172.8 0.0 351.0

Manual Integrations

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#73

Isopropylbenzene

Concen: 52.47 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005414.D

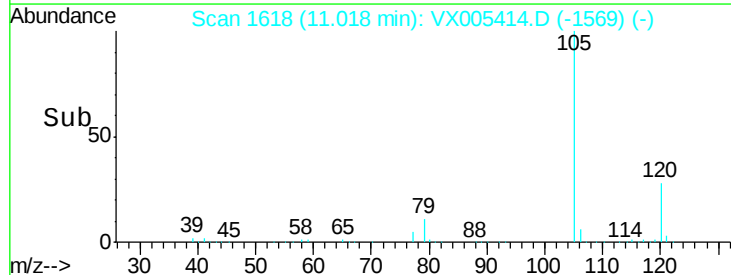
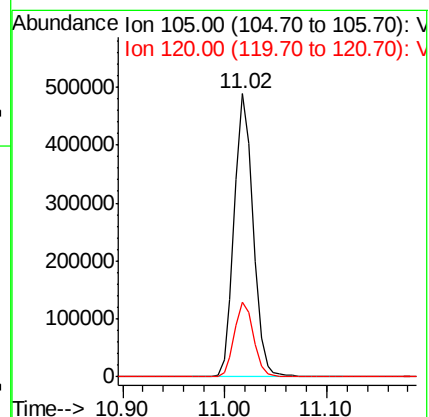
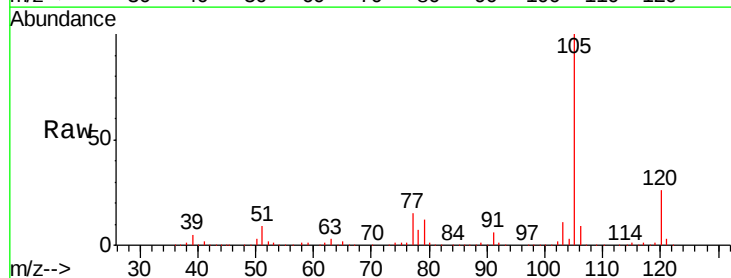
Acq: 18 Oct 2018 02:27

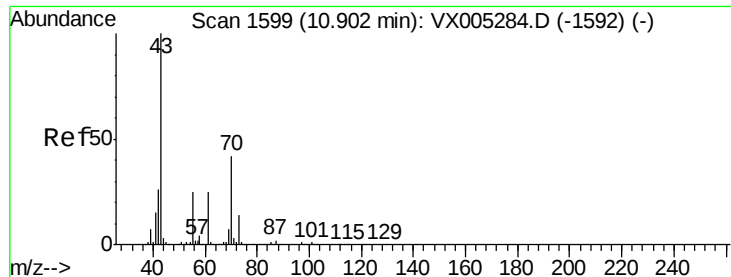
Tgt Ion:105 Resp: 624950

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4





#74

N-ethyl acetate

Concen: 49.98 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

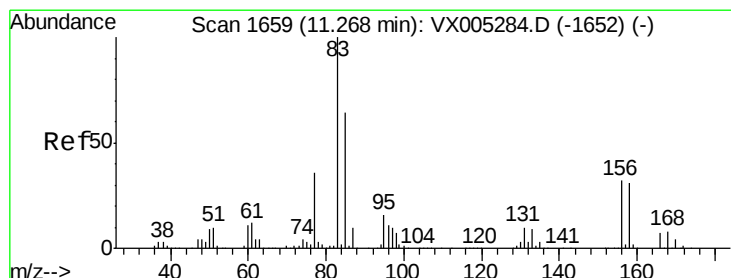
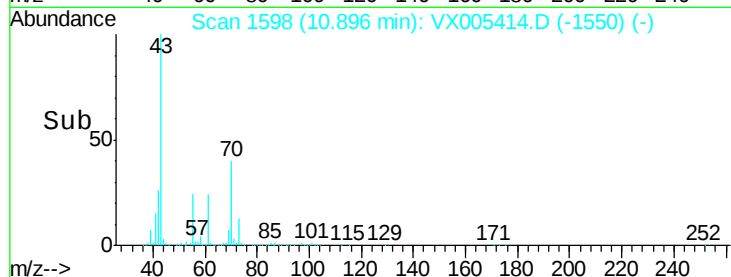
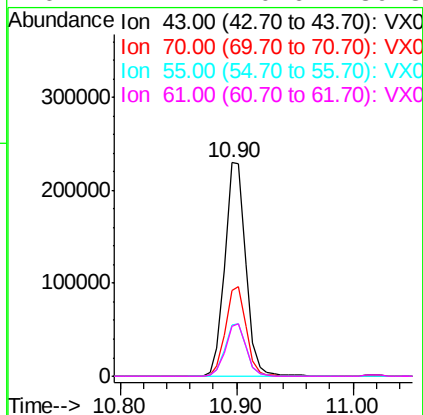
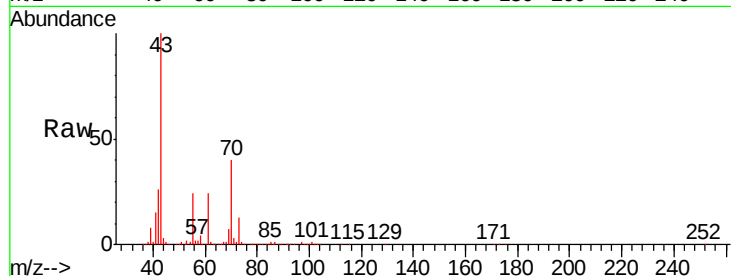
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	43	Resp:	287161
Ion	Ratio	Lower	Upper
43	100		
70	41.8	37.4	56.0
55	25.0	21.8	32.8
61	24.2	20.6	30.8

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 48.05 ug/l

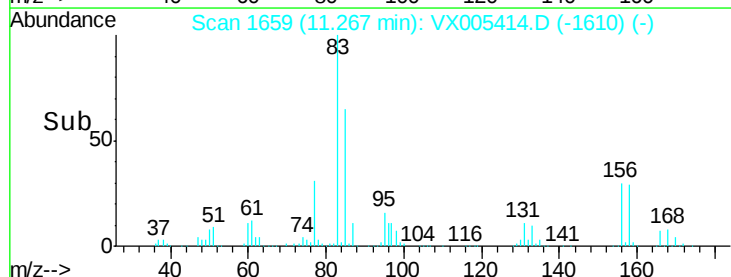
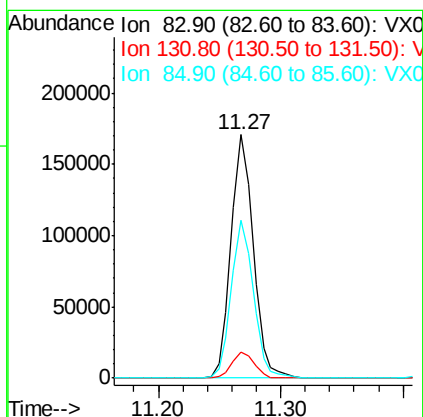
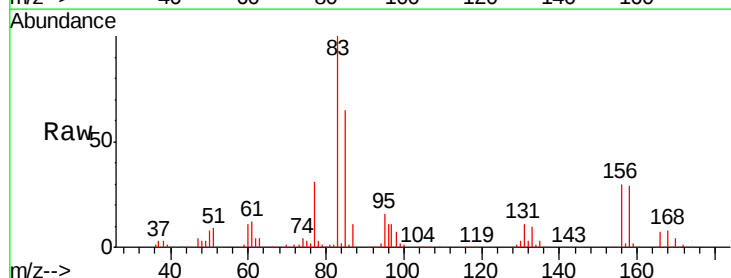
RT: 11.27 min Scan# 1659

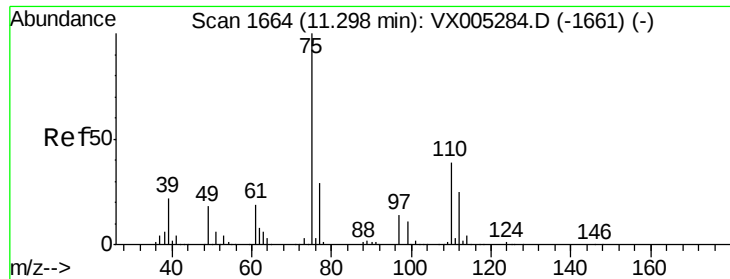
Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	83	Resp:	215886
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.6	32.3	96.8





#76

1,2,3-Trichloropropane

Concen: 51.44 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MSD

Tgt Ion: 75 Resp: 199926

Ion Ratio Lower Upper

75 100

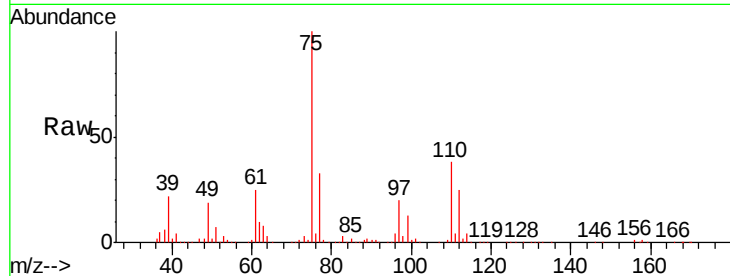
77 39.8 20.2 60.6

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

150000

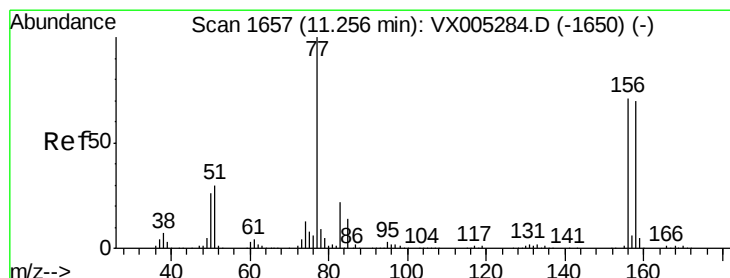
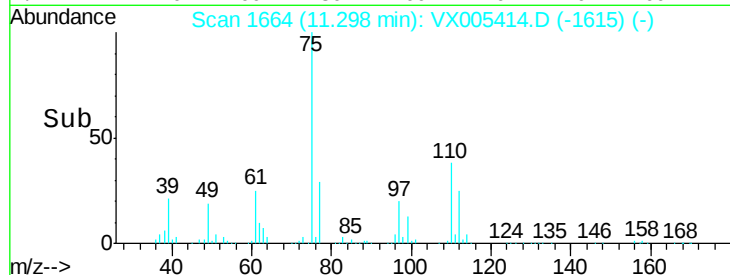
100000

50000

0

11.26 11.28 11.30 11.32

Time-->



#77

Bromobenzene

Concen: 50.13 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

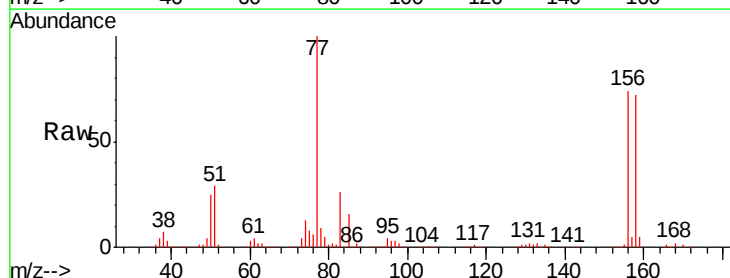
Tgt Ion: 156 Resp: 170740

Ion Ratio Lower Upper

156 100

77 140.7 71.5 214.3

158 97.4 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

250000

200000

150000

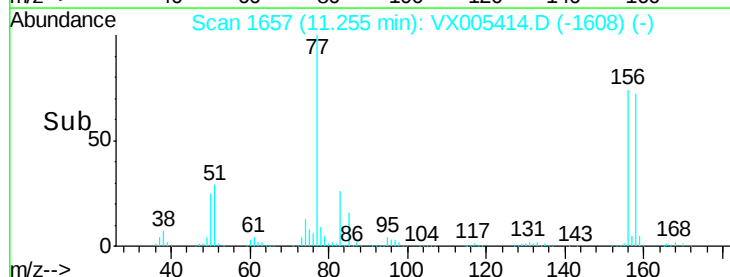
100000

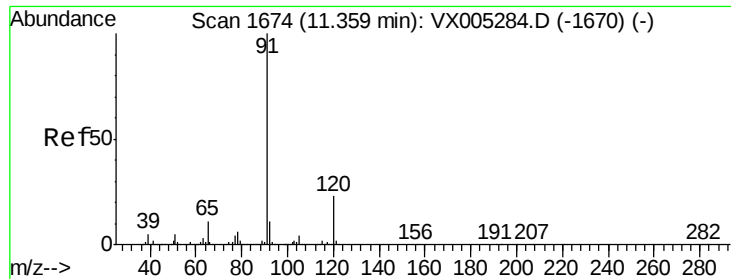
50000

0

11.20 11.26 11.30

Time-->





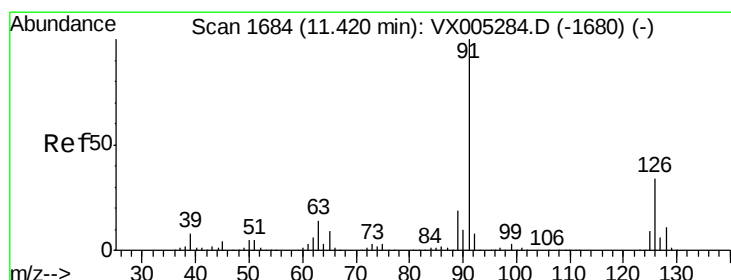
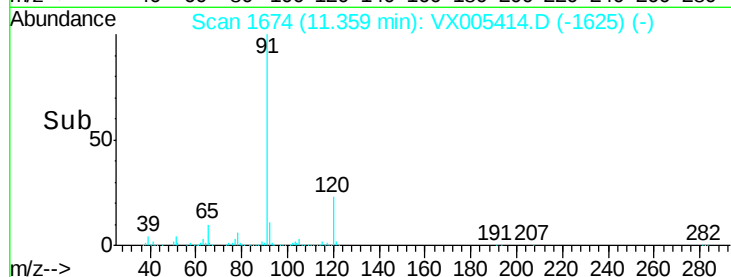
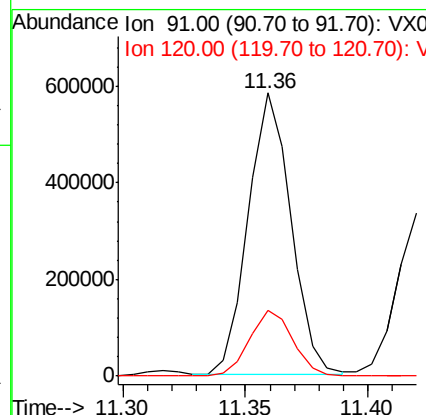
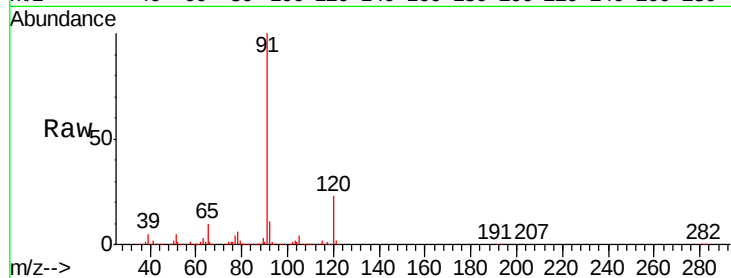
#78
n-propylbenzene
Concen: 51.70 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion: 91 Resp: 708626
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.9

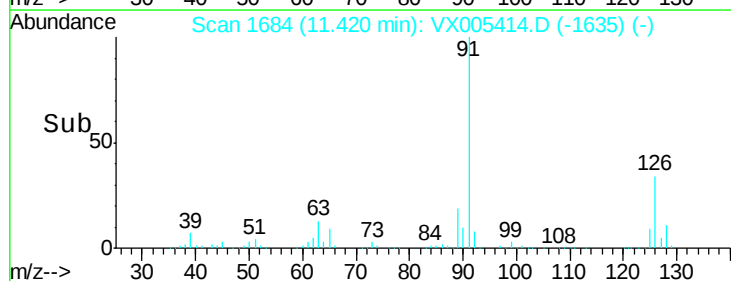
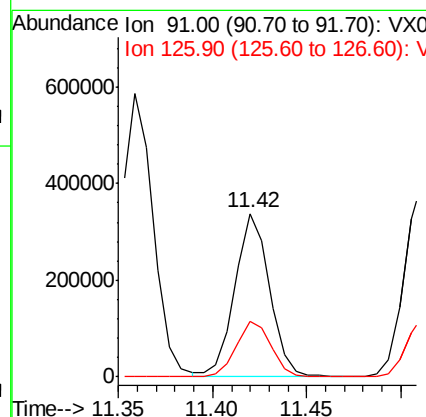
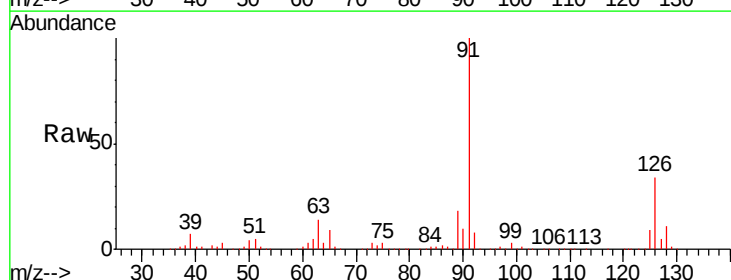
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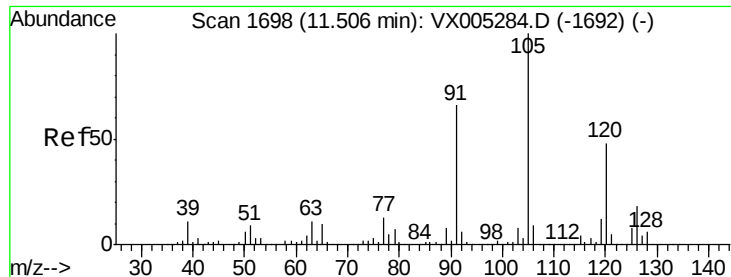
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#79
2-Chlorotoluene
Concen: 50.71 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion: 91 Resp: 425710
Ion Ratio Lower Upper
91 100
126 35.1 17.9 53.7





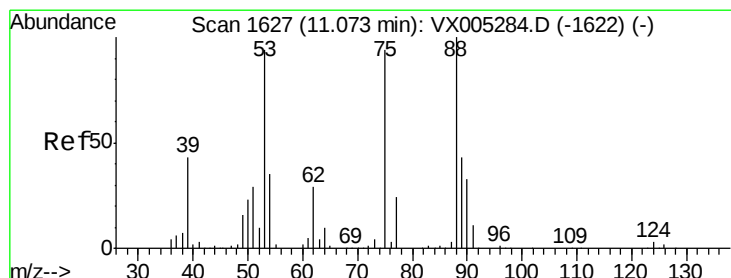
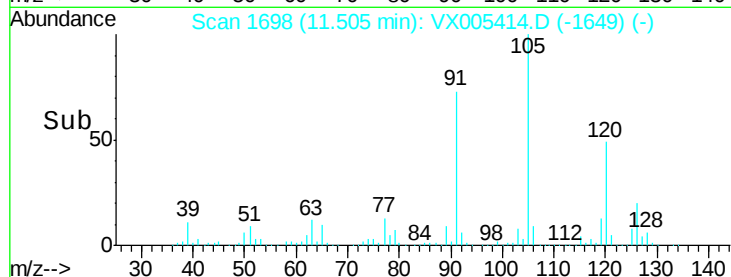
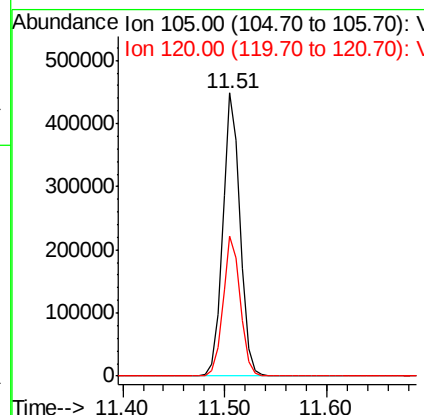
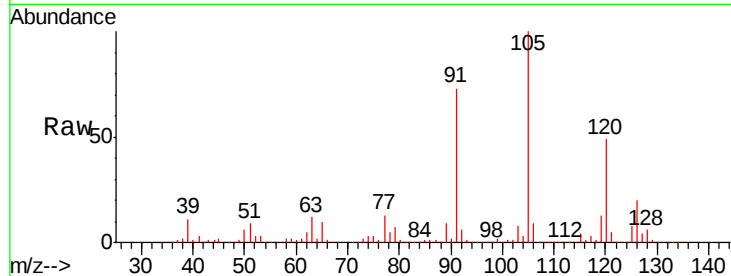
#80
 1,3,5-Trimethylbenzene
 Concen: 52.28 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion: 105 Resp: 533258
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.6 76.8

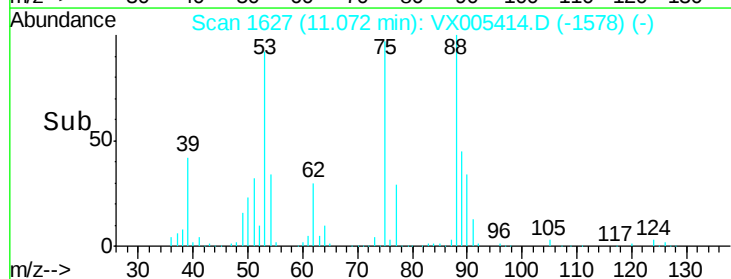
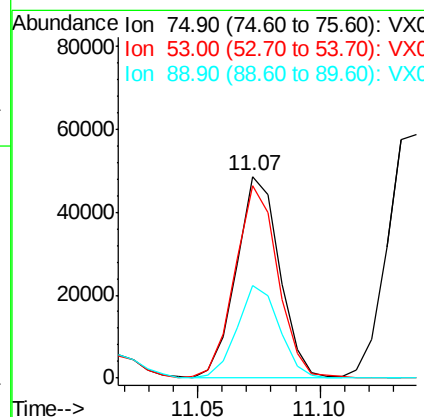
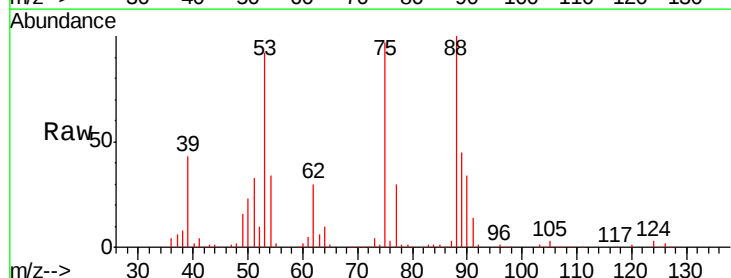
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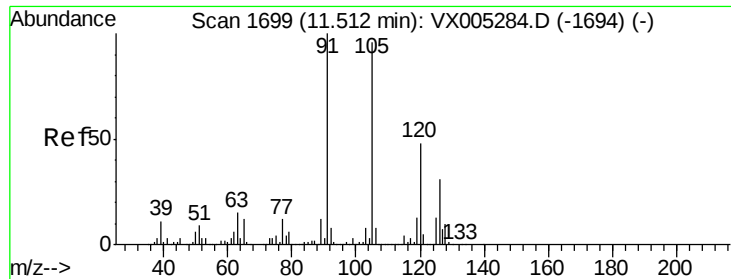
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.31 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Tgt Ion: 75 Resp: 59229
 Ion Ratio Lower Upper
 75 100
 53 95.4 80.1 120.1
 89 45.7 37.2 55.8





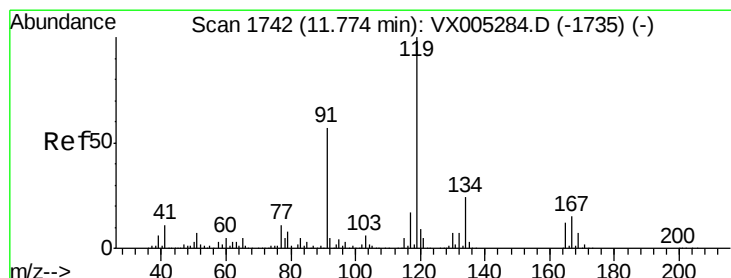
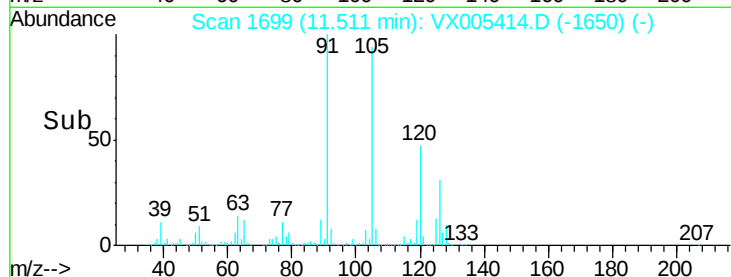
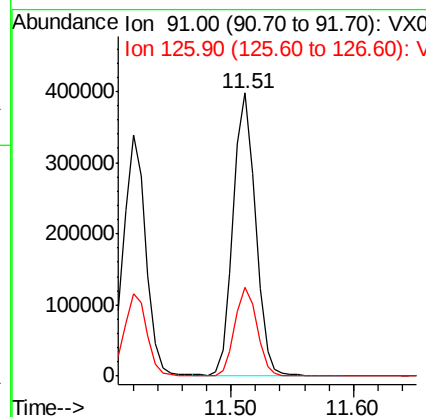
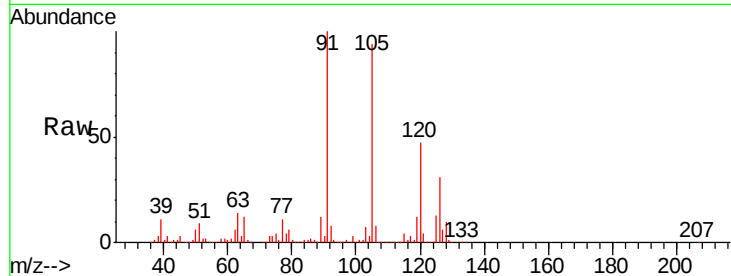
#82
4-Chlorotoluene
Concen: 50.48 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion: 91 Resp: 502352
Ion Ratio Lower Upper
91 100
126 31.2 15.5 46.5

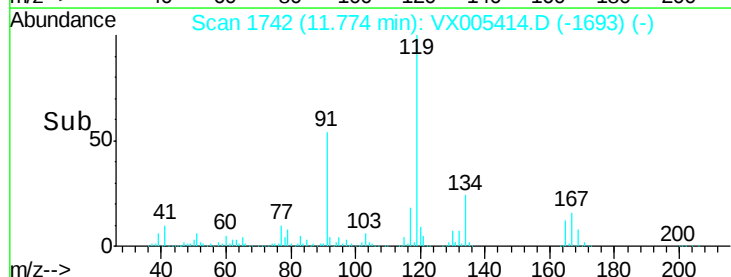
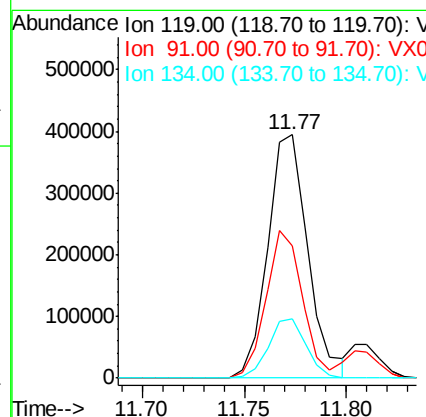
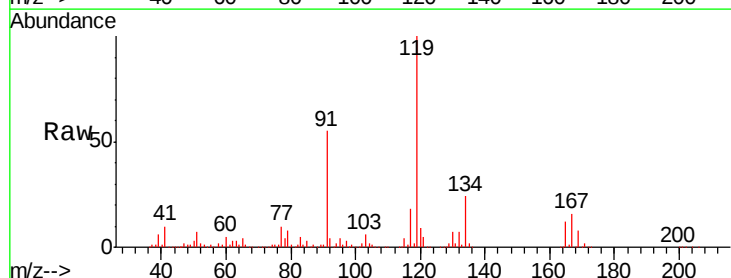
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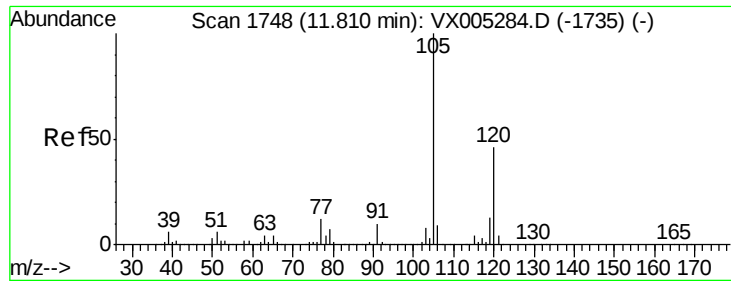
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#83
tert-Butylbenzene
Concen: 52.42 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion: 119 Resp: 541399
Ion Ratio Lower Upper
119 100
91 55.2 27.0 81.0
134 23.0 11.7 35.1





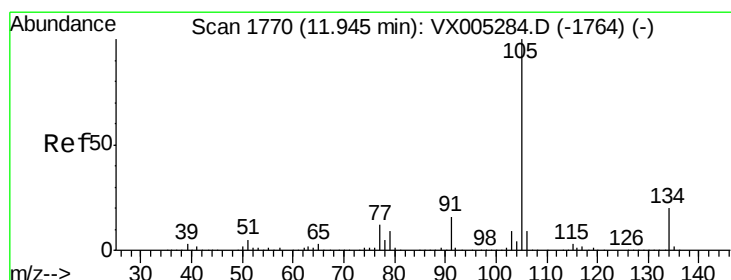
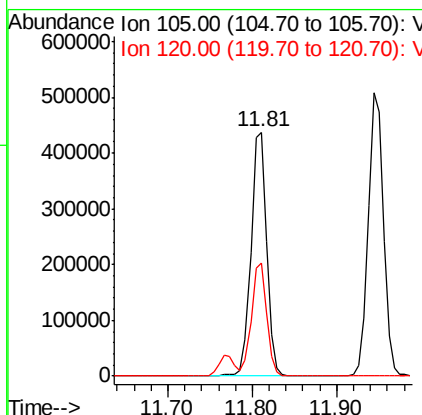
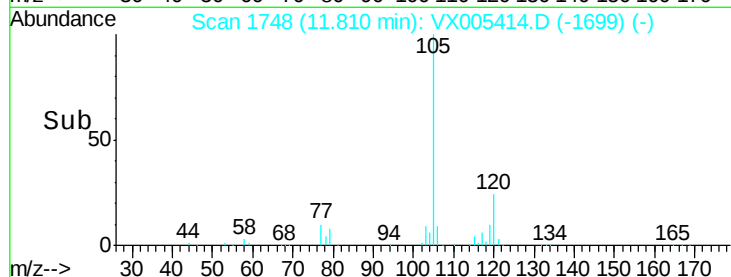
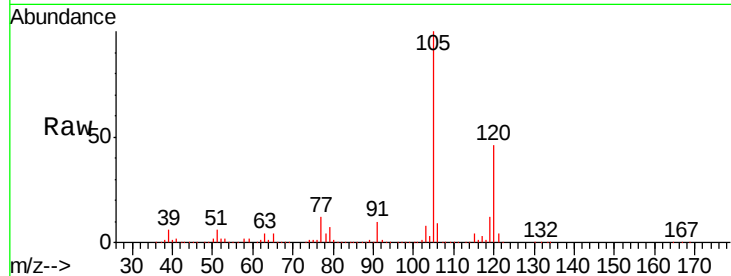
#84
1,2,4-Trimethylbenzene
Concen: 52.68 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:105 Resp: 552952
Ion Ratio Lower Upper
105 100
120 45.1 23.2 69.6

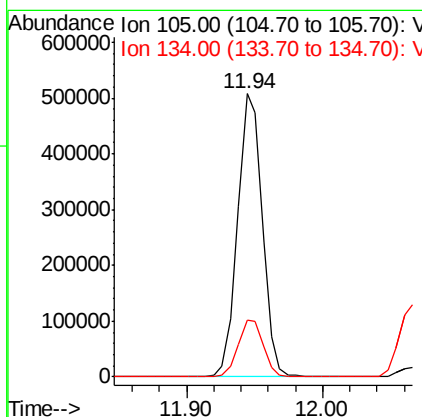
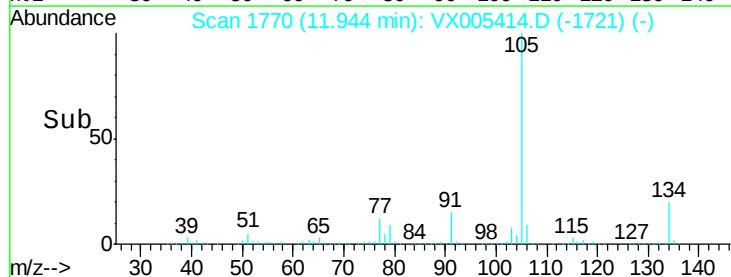
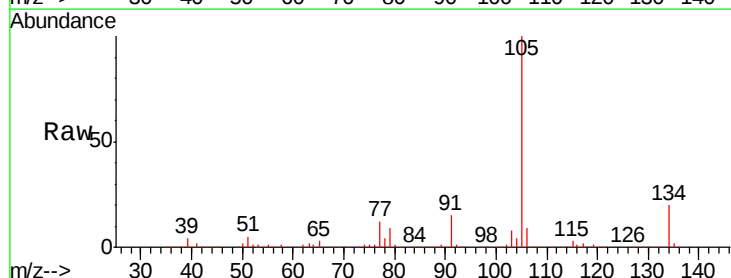
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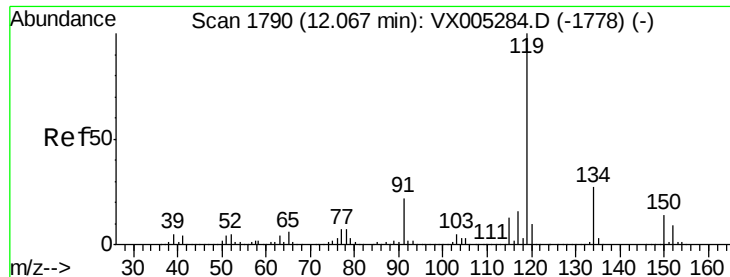
MMDadoda
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#85
sec-Butylbenzene
Concen: 52.31 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion:105 Resp: 639448
Ion Ratio Lower Upper
105 100
134 20.5 10.5 31.5





#86

p-Isopropyltoluene

Concen: 52.56 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

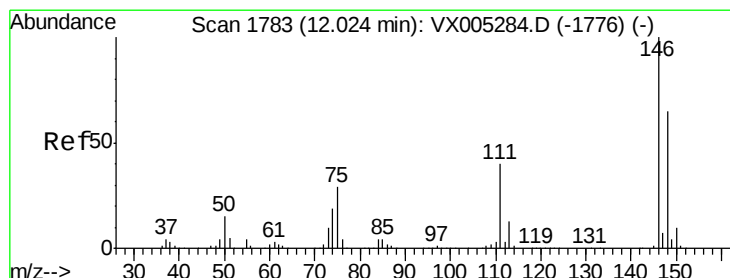
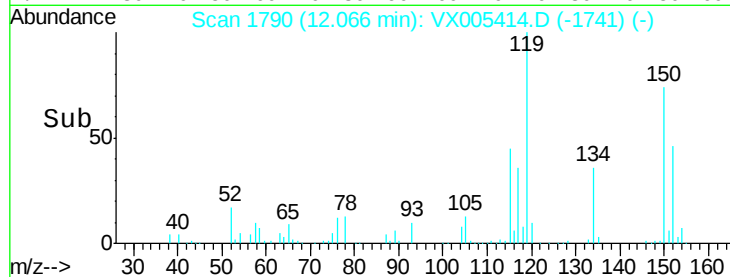
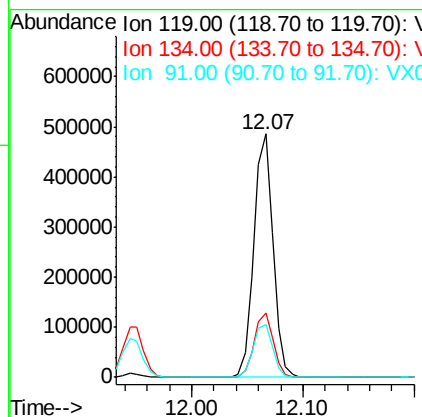
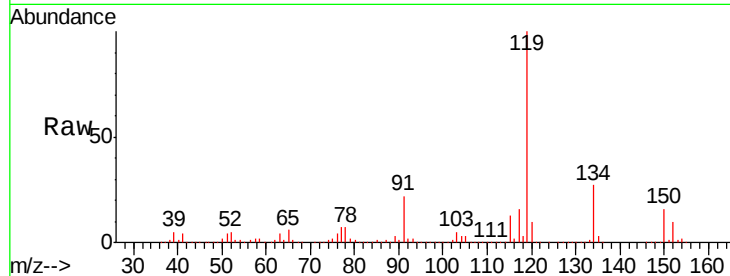
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	119	Resp:	580717
Ion Ratio	Lower	Upper	
119	100		
134	26.6	13.4	40.2
91	22.6	10.9	32.7

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#87

1,3-Dichlorobenzene

Concen: 50.02 ug/l

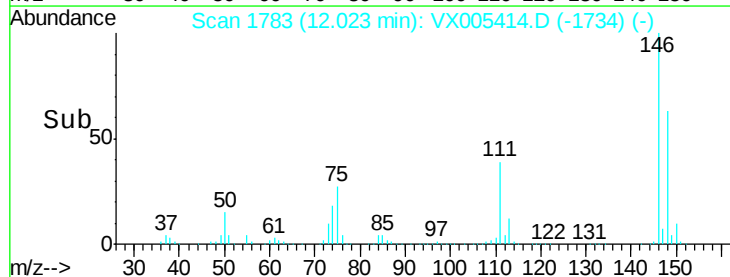
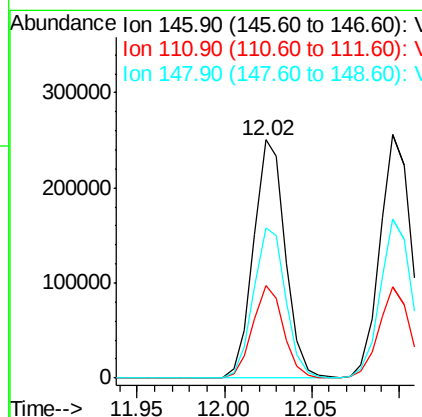
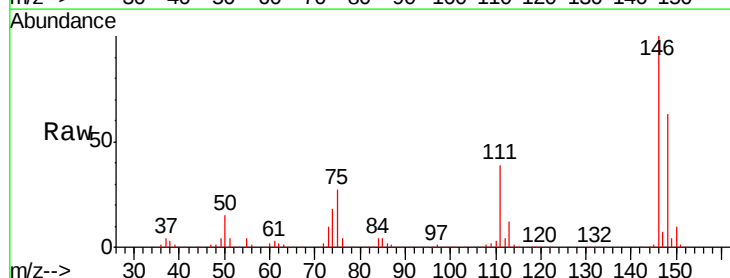
RT: 12.02 min Scan# 1783

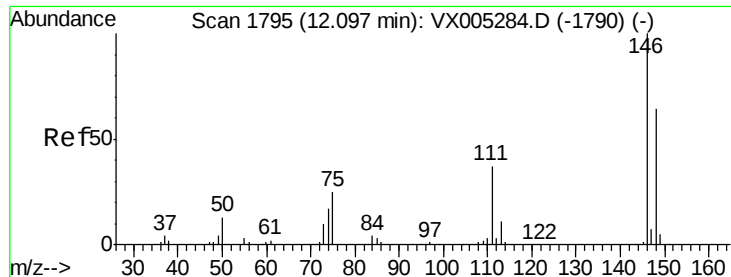
Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	146	Resp:	318356
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.7	56.1
148	64.0	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 48.94 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

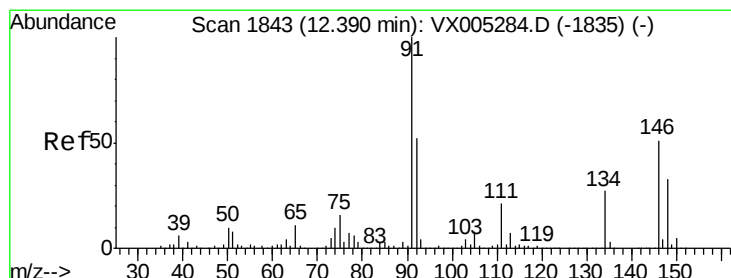
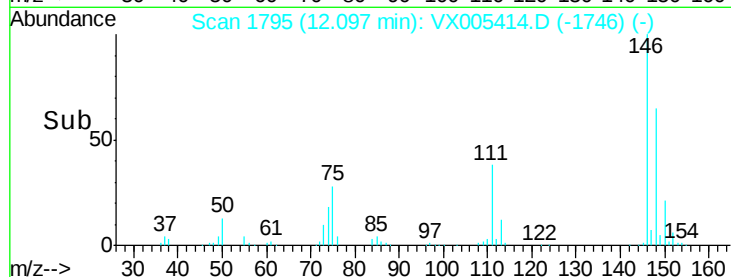
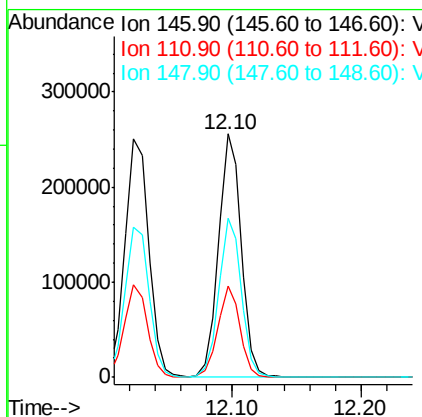
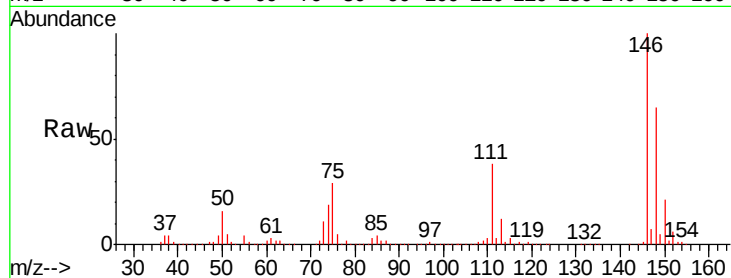
ClientSampleId :

RLF-SW-5MSD

Tgt Ion:	146	Resp:	318598
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.1	54.1
148	64.9	32.0	96.0

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#89

n-Butylbenzene

Concen: 50.54 ug/l

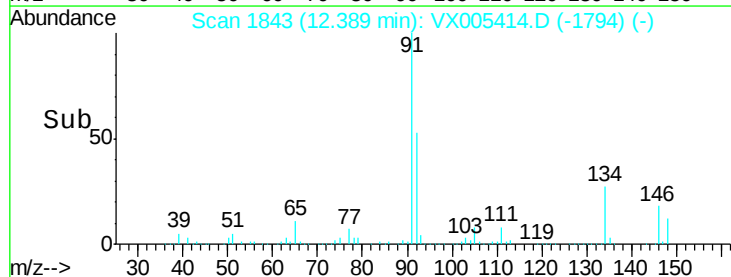
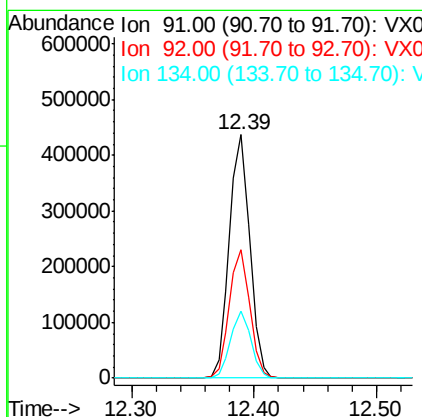
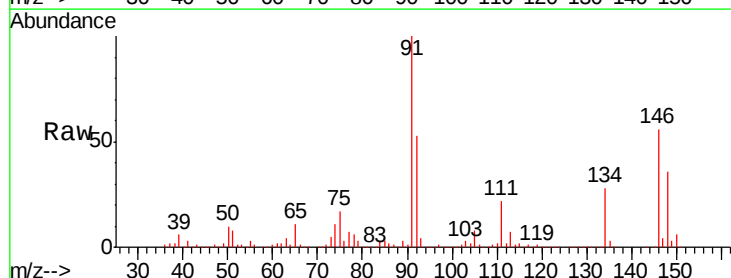
RT: 12.39 min Scan# 1843

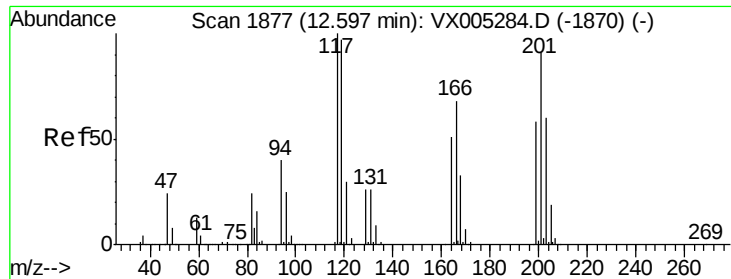
Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Tgt Ion:	91	Resp:	506999
Ion Ratio	Lower	Upper	
91	100		
92	52.8	27.3	81.9
134	27.1	13.6	40.7





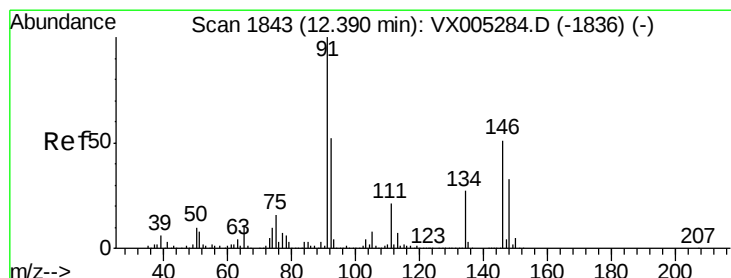
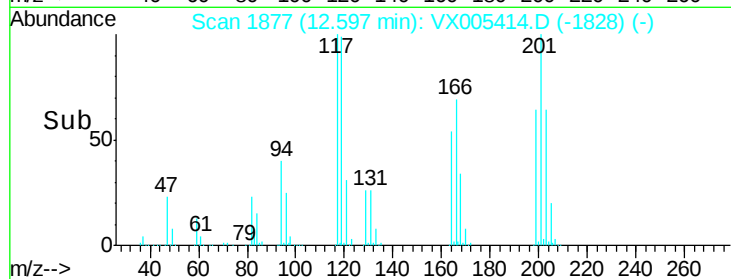
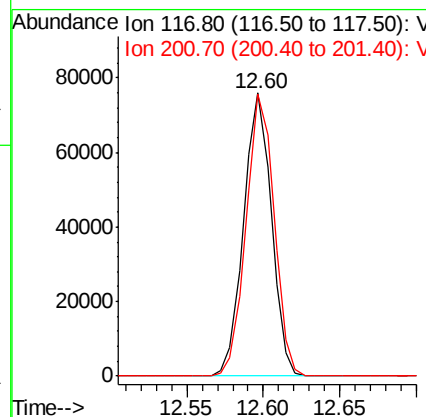
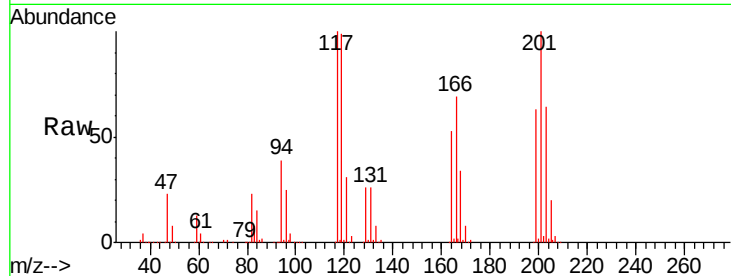
#90
Hexachloroethane
Concen: 50.16 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MSD

Tgt Ion:117 Resp: 95501
Ion Ratio Lower Upper
117 100
201 100.7 46.9 140.6

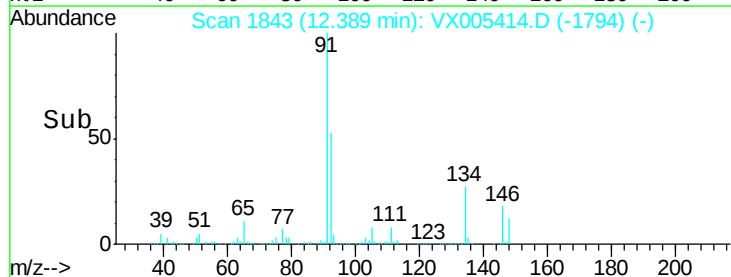
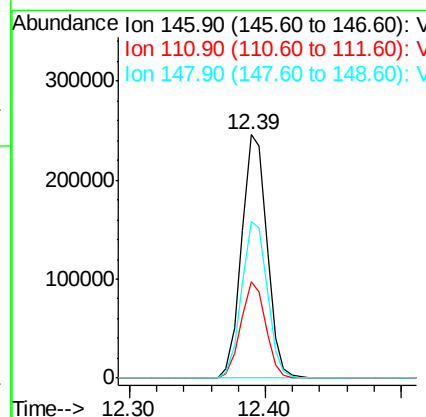
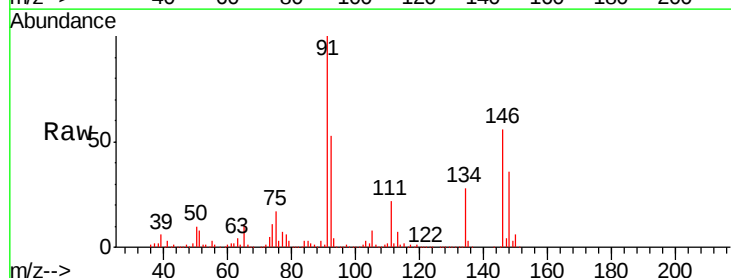
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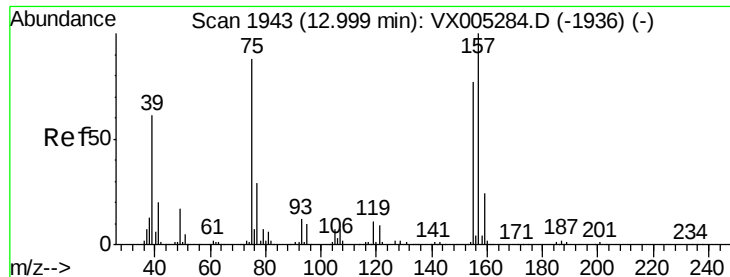
MMDadoda
10/19/2018 12:24:10 PM



#91
1,2-Dichlorobenzene
Concen: 49.16 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005414.D
Acq: 18 Oct 2018 02:27

Tgt Ion:146 Resp: 319240
Ion Ratio Lower Upper
146 100
111 38.9 19.4 58.1
148 65.0 32.8 98.3





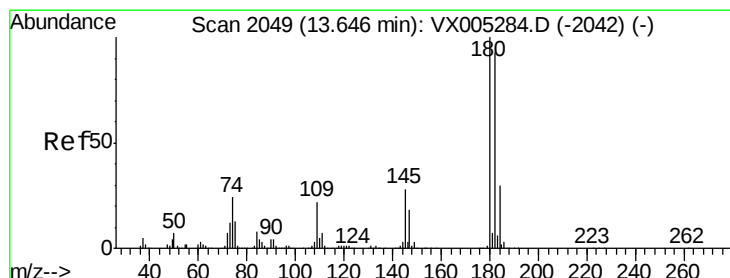
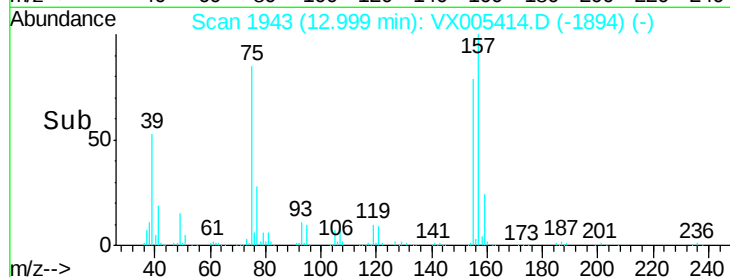
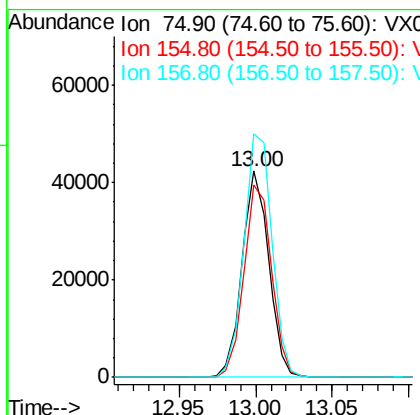
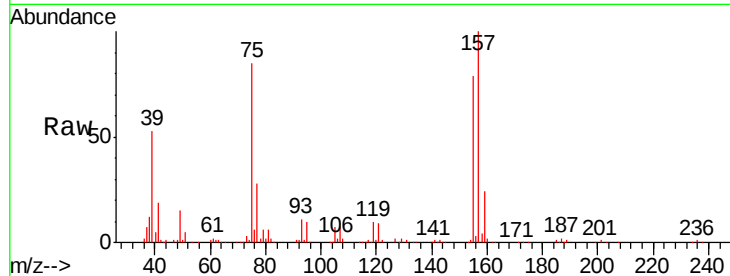
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.10 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion: 75 Resp: 51624
 Ion Ratio Lower Upper
 75 100
 155 96.1 48.0 144.2
 157 124.5 61.4 184.1

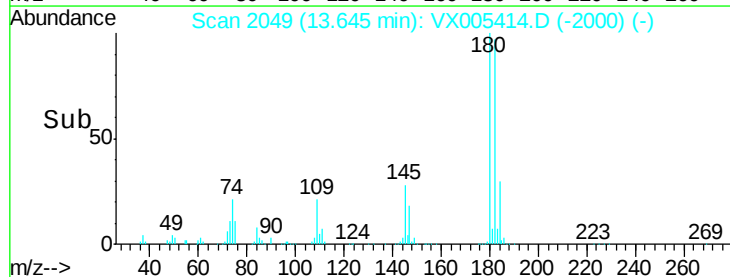
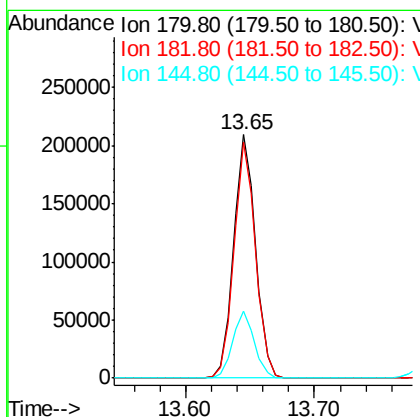
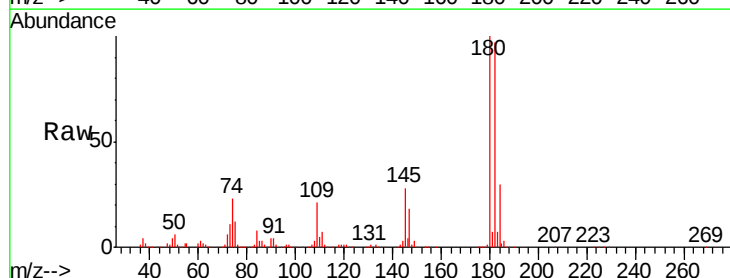
Manual Integrations
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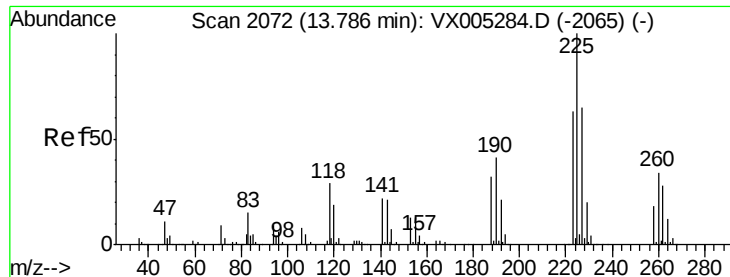
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#93
 1,2,4-Trichlorobenzene
 Concen: 51.97 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Tgt Ion: 180 Resp: 247640
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.4 145.0
 145 27.4 14.3 42.9





#94

Hexachlorobutadiene

Concen: 47.98 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005414.D

Acq: 18 Oct 2018 02:27

Instrument :

MSVOA_X

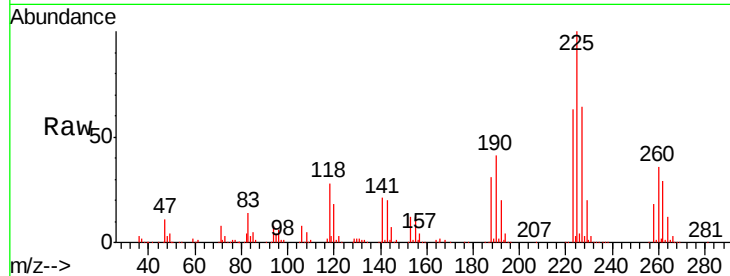
ClientSampleId :

RLF-SW-5MSD

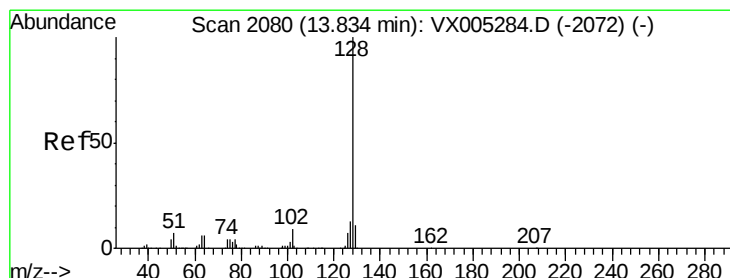
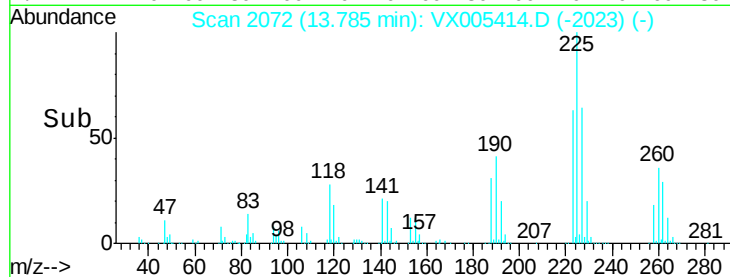
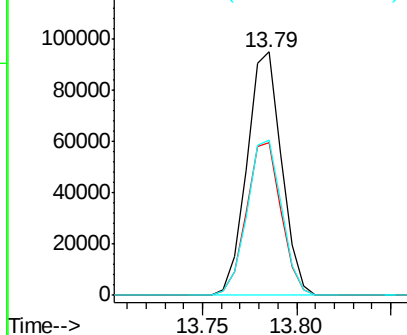
Tgt Ion:	225	Resp:	120739
Ion Ratio		Lower	Upper
225	100		
223	62.9	30.1	90.5
227	63.8	30.8	92.4

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 54.32 ug/l

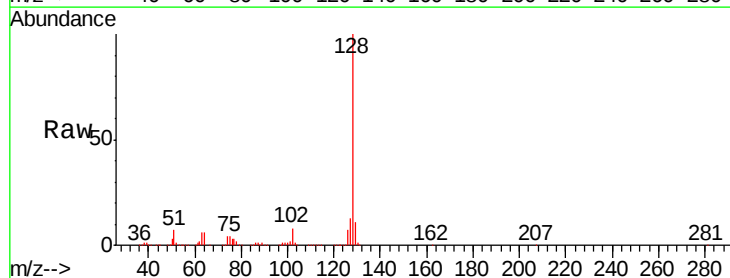
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

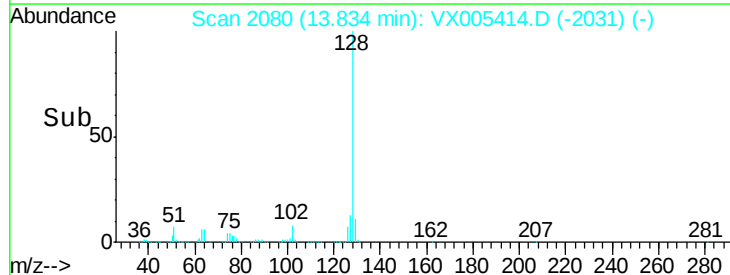
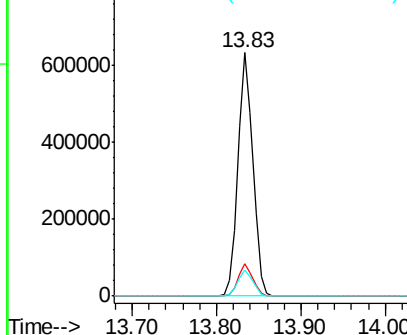
Lab File: VX005414.D

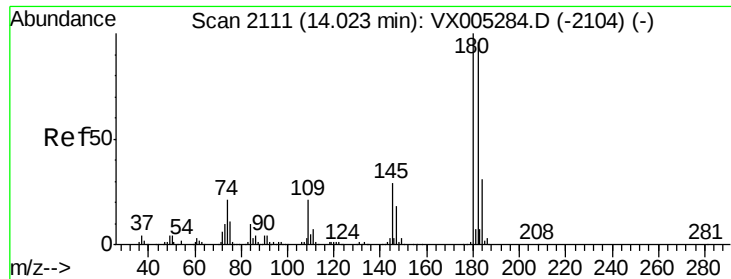
Acq: 18 Oct 2018 02:27

Tgt Ion:	128	Resp:	750584
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 51.84 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005414.D
 Acq: 18 Oct 2018 02:27

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	252740		
182	95.7	48.5	145.6	
145	29.2	14.9	44.9	

Manual Integrations
 APPROVED

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