

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005413.D
 Acq On : 18 Oct 2018 02:00
 Operator : JC/MD
 Sample : J5569-10MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:24:05 PM

Quant Time: Oct 19 02:34:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194290	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	134278	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
35) Dibromofluoromethane	5.50	113	111782	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
50) Toluene-d8	8.71	98	419210	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.14	95	159505	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	96317	48.77	ug/l	99
3) Chloromethane	1.32	50	131846	46.08	ug/l	99
4) Vinyl Chloride	1.40	62	136792	47.19	ug/l	98
5) Bromomethane	1.64	94	83961	51.27	ug/l	97
6) Chloroethane	1.71	64	86729	50.72	ug/l	97
7) Trichlorofluoromethane	1.92	101	192198	49.69	ug/l	95
8) Diethyl Ether	2.19	74	81886	49.57	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	112964	50.60	ug/l	96
10) Methyl Iodide	2.51	142	139973	56.82	ug/l	100
11) Tert butyl alcohol	3.07	59	193460	244.66	ug/l	99
12) 1,1-Dichloroethene	2.37	96	108145	48.89	ug/l	97
13) Acrolein	2.29	56	83571	164.89	ug/l	96
14) Allyl chloride	2.73	41	240412	49.50	ug/l	95
15) Acrylonitrile	3.15	53	433897	242.15	ug/l	98
16) Acetone	2.45	43	377479	232.90	ug/l	97
17) Carbon Disulfide	2.57	76	300784	44.88	ug/l	99
18) Methyl Acetate	2.78	43	229598	49.79	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	409839	52.60	ug/l	98
20) Methylene Chloride	2.85	84	126596	53.70	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	117205	47.81	ug/l	98
22) Diisopropyl ether	3.87	45	396363	48.59	ug/l	93
23) Vinyl Acetate	3.82	43	1681559	235.84	ug/l	97
24) 1,1-Dichloroethane	3.70	63	235062	50.28	ug/l	99
25) 2-Butanone	4.70	43	553822	233.54	ug/l	94
26) 2,2-Dichloropropane	4.58	77	134716	38.53	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	127373	47.81	ug/l	98
28) Bromochloromethane	5.01	49	104160	48.87	ug/l	97
29) Tetrahydrofuran	5.15	42	359190	237.46	ug/l	94
30) Chloroform	5.21	83	214058	49.33	ug/l	98
31) Cyclohexane	5.57	56	186304	48.35	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	186647	49.43	ug/l	99
36) 1,1-Dichloropropene	5.80	75	154605	43.84	ug/l	99
37) Ethyl Acetate	4.85	43	201344	44.40	ug/l	98
38) Carbon Tetrachloride	5.78	117	166829	47.08	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	179265	46.97	ug/l	97
40) Benzene	6.14	78	478270	45.21	ug/l	100
41) Methacrylonitrile	5.06	41	112884	46.43	ug/l	97
42) 1,2-Dichloroethane	6.20	62	175786	47.06	ug/l	98
43) Isopropyl Acetate	6.46	43	309927	51.30	ug/l	97
44) Trichloroethene	7.21	130	131232	48.57	ug/l	96
45) 1,2-Dichloropropane	7.52	63	130043	50.12	ug/l	100
46) Dibromomethane	7.66	93	82701	48.29	ug/l	98
47) Bromodichloromethane	7.90	83	161876	51.10	ug/l	99
48) Methyl methacrylate	7.77	41	159575	50.93	ug/l	95
49) 1,4-Dioxane	7.75	88	64296	889.72	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1074086	256.78	ug/l	96
52) Toluene	8.79	92	301367	52.07	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	176255	51.41	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	186936	50.32	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	125850	51.34	ug/l	96
56) Ethyl methacrylate	9.18	69	197988	55.41	ug/l	97
57) 1,3-Dichloropropane	9.37	76	209930	51.31	ug/l	99
59) 2-Hexanone	9.50	43	841666	250.14	ug/l	95
60) Dibromochloromethane	9.59	129	136337	53.81	ug/l	100
61) 1,2-Dibromoethane	9.67	107	130997	50.92	ug/l	99
64) Tetrachloroethene	9.34	164	128689	46.49	ug/l	99
65) Chlorobenzene	10.14	112	346314	47.35	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	128346	49.24	ug/l	98
67) Ethyl Benzene	10.25	91	585025	49.20	ug/l	98
68) m/p-Xylenes	10.36	106	456792	98.98	ug/l	96
69) o-Xylene	10.70	106	221013	49.65	ug/l	97
70) Styrene	10.71	104	370169	50.56	ug/l	97
71) Bromoform	10.86	173	115333	49.51	ug/l	99
73) Isopropylbenzene	11.02	105	600483	51.99	ug/l	100
74) N-amyl acetate	10.90	43	275727	49.50	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	208847	47.93	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	193451m	51.33	ug/l	
77) Bromobenzene	11.26	156	164277	49.74	ug/l	99
78) n-propylbenzene	11.36	91	685615	51.58	ug/l	100
79) 2-Chlorotoluene	11.42	91	410104	50.38	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	515505	52.12	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	56450	45.51	ug/l	97
82) 4-Chlorotoluene	11.51	91	488416	50.62	ug/l	99
83) tert-Butylbenzene	11.77	119	522500	52.17	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	528053	51.88	ug/l	98
85) sec-Butylbenzene	11.94	105	612337	51.66	ug/l	99
86) p-Isopropyltoluene	12.07	119	562627	52.52	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	303761	49.22	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	307017	48.63	ug/l	99
89) n-Butylbenzene	12.39	91	486070	49.97	ug/l	98
90) Hexachloroethane	12.60	117	91397	49.50	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	308353	48.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50253	47.28	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	237830	51.48	ug/l	99

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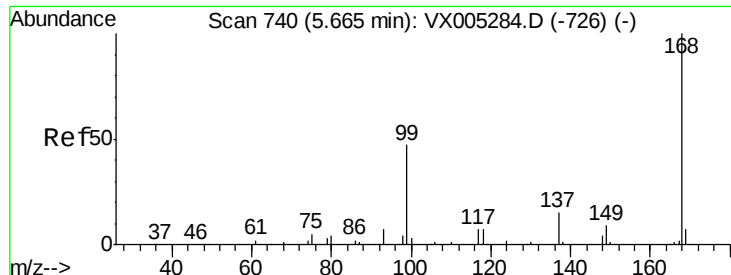
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	117424	48.12	ug/l	98
95) Naphthalene	13.83	128	720422	53.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	242669	51.33	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion:168 Resp: 252575

Ion Ratio Lower Upper

168 100

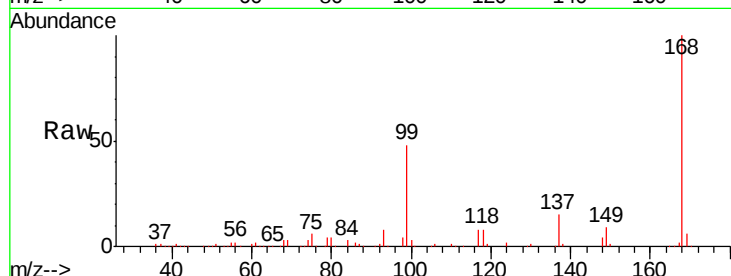
99 48.3 39.9 59.9

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

5.67

80000

60000

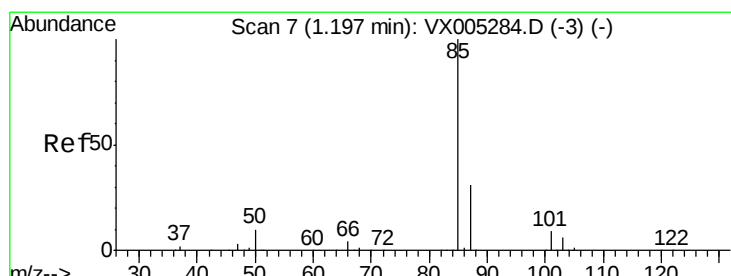
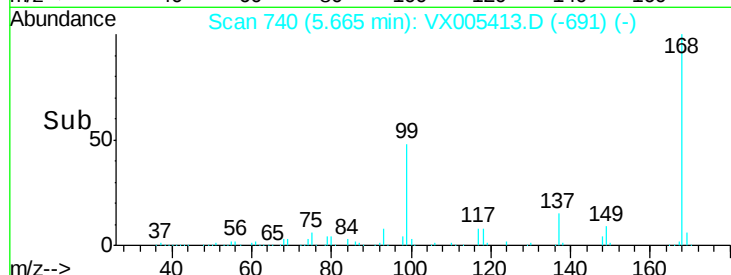
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.77 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005413.D

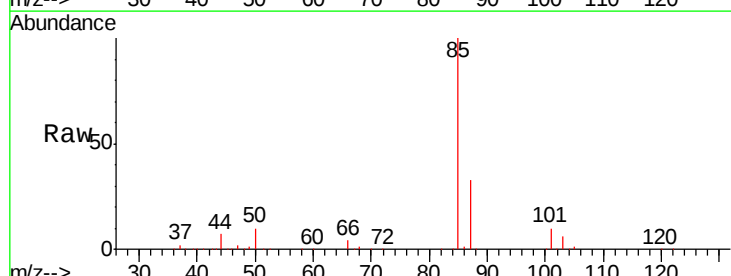
Acq: 18 Oct 2018 02:00

Tgt Ion: 85 Resp: 96317

Ion Ratio Lower Upper

85 100

87 33.5 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

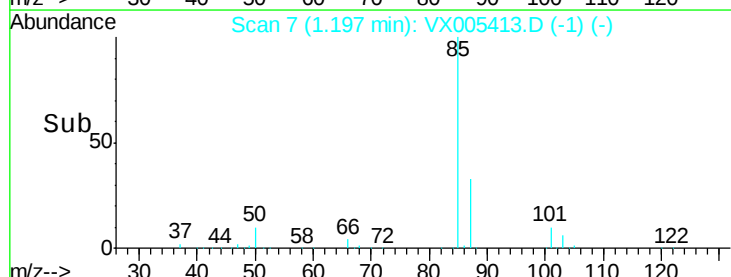
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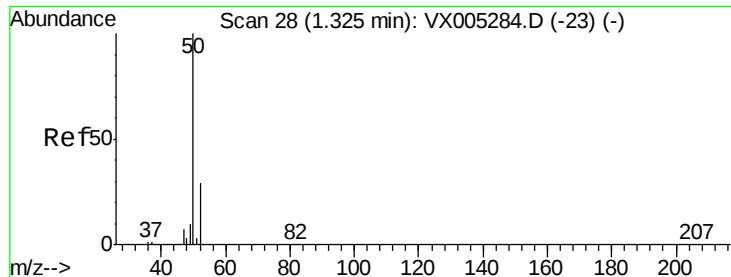
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.08 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion: 50 Resp: 131846

Ion Ratio Lower Upper

50 100

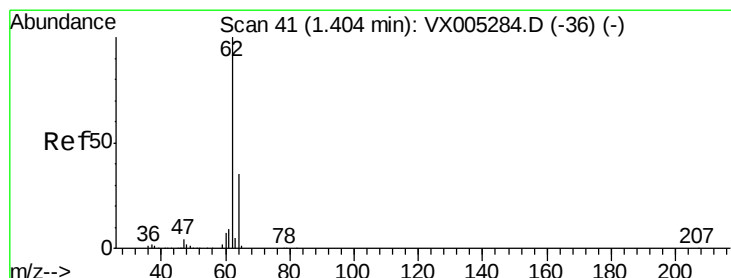
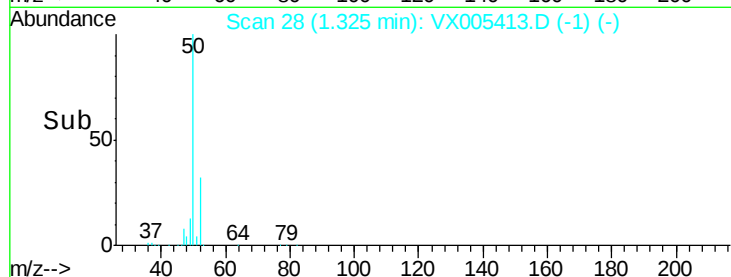
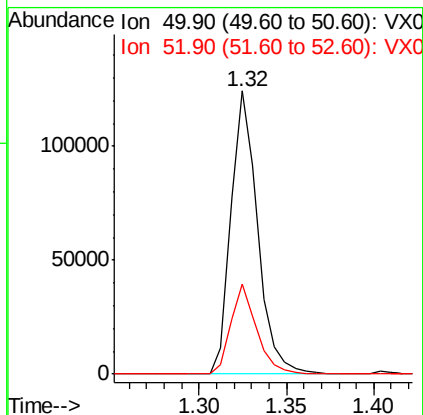
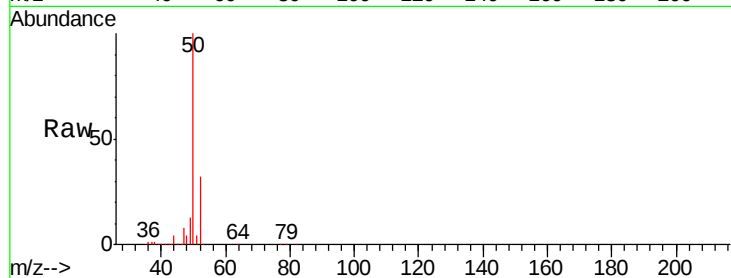
52 32.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.19 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005413.D

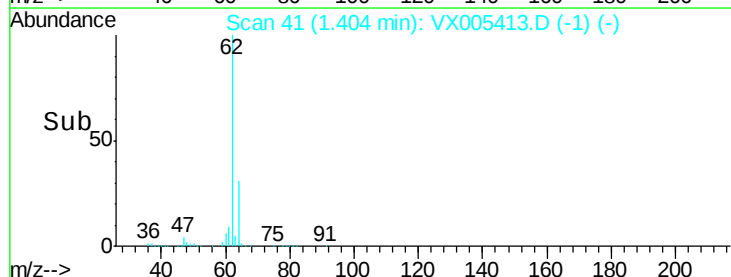
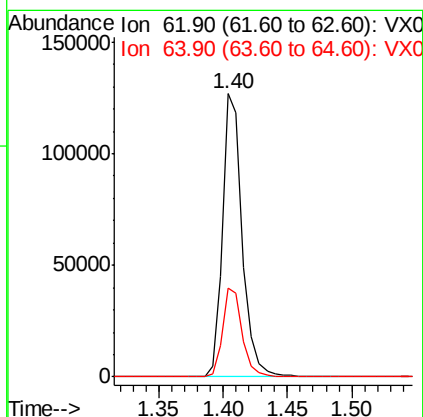
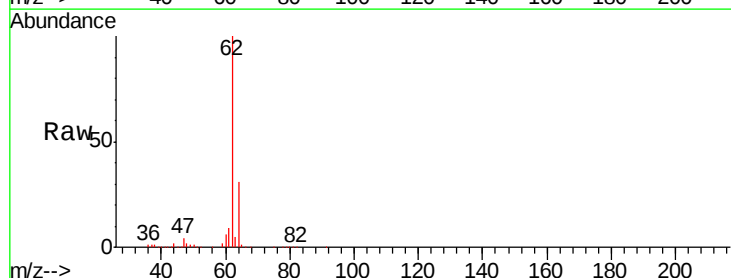
Acq: 18 Oct 2018 02:00

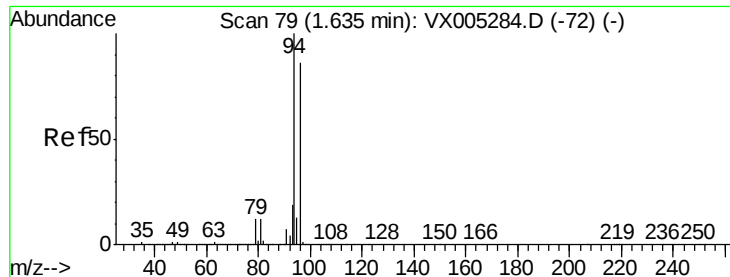
Tgt Ion: 62 Resp: 136792

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 51.27 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion: 94 Resp: 83961

Ion Ratio Lower Upper

94 100

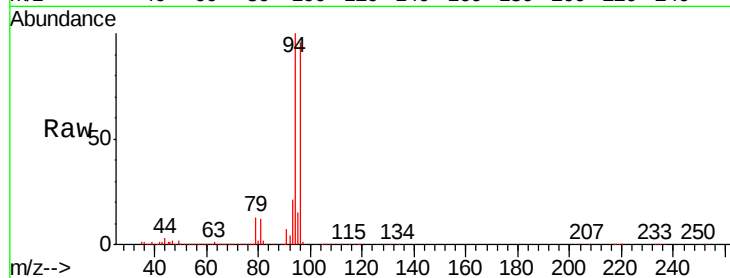
96 96.1 74.5 111.7

Manual Integrations

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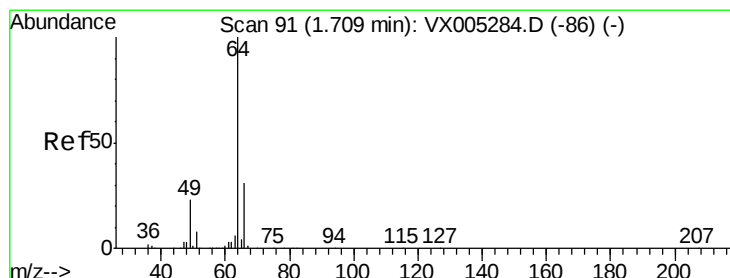
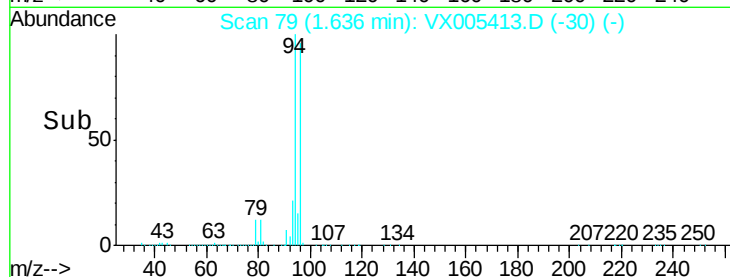
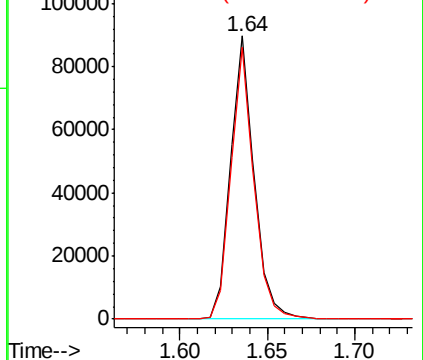
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.72 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005413.D

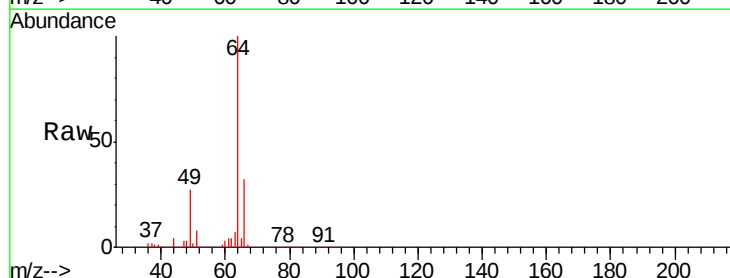
Acq: 18 Oct 2018 02:00

Tgt Ion: 64 Resp: 86729

Ion Ratio Lower Upper

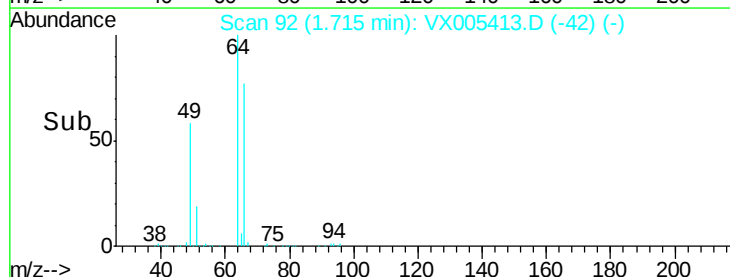
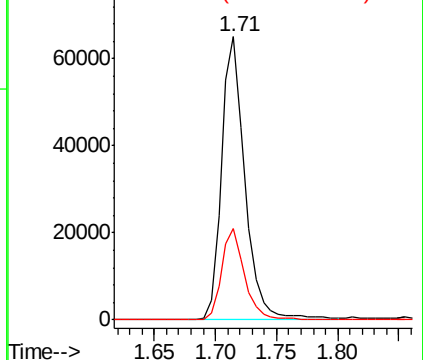
64 100

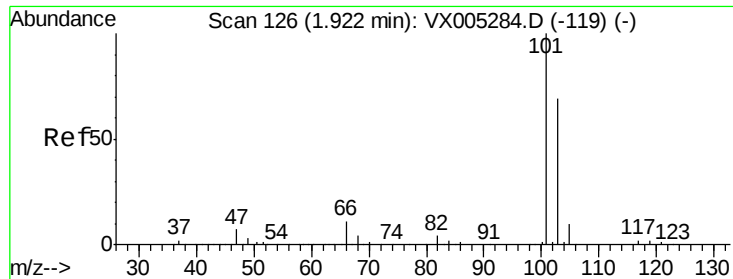
66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

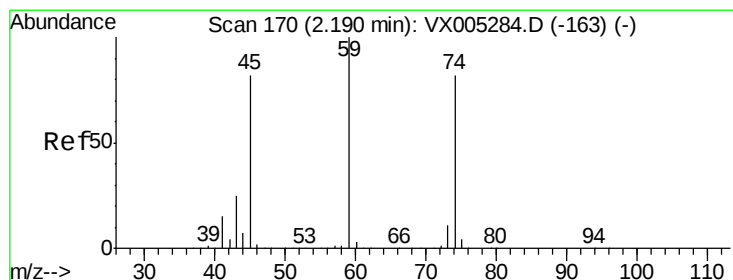
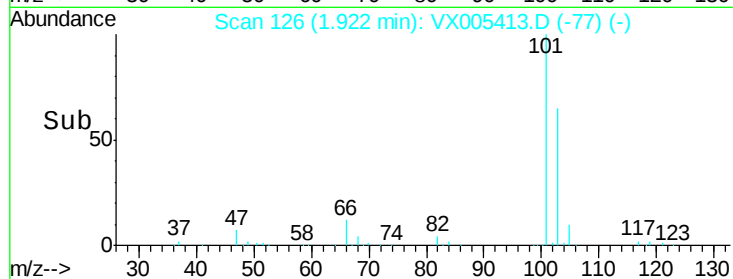
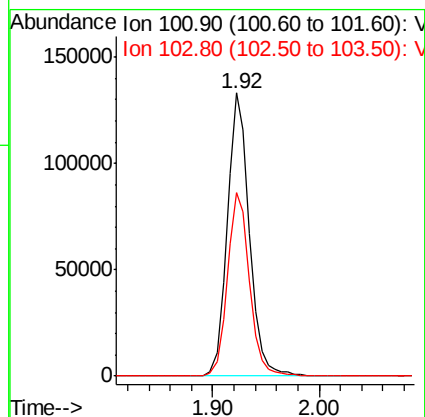
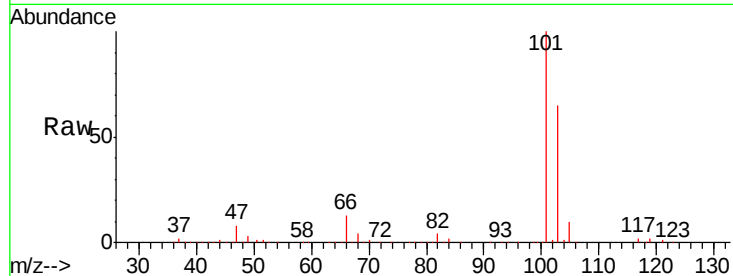
Trichlorofluoromethane
Concen: 49.69 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion: 101 Resp: 192198
Ion Ratio Lower Upper
101 100
103 64.8 48.9 73.3

Manual Integrations
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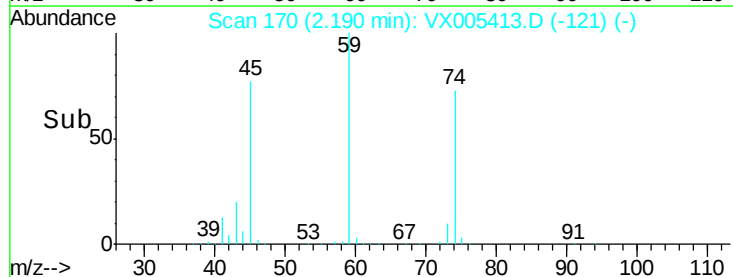
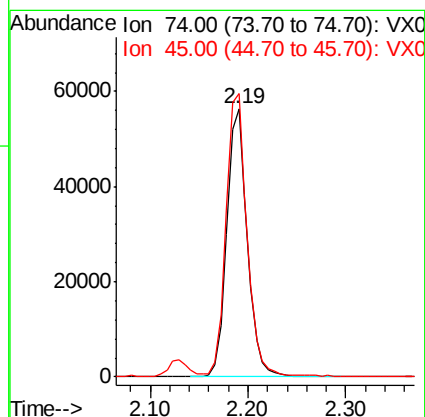
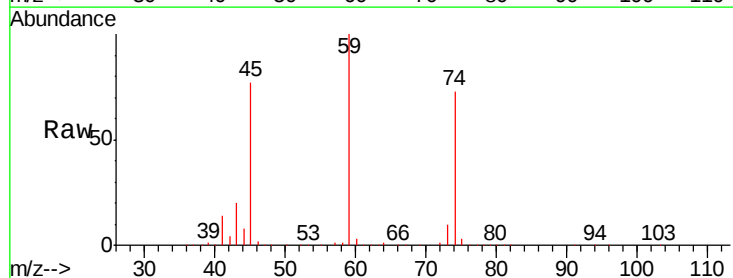
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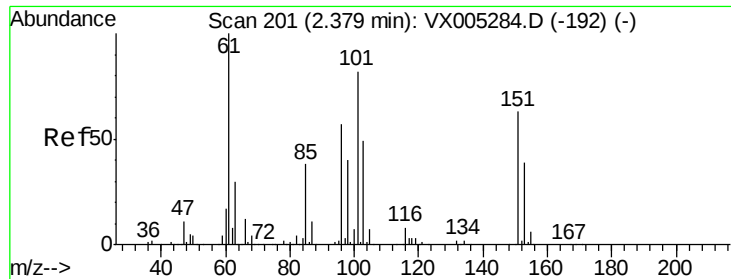


#8

Diethyl Ether
Concen: 49.57 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion: 74 Resp: 81886
Ion Ratio Lower Upper
74 100
45 107.3 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.60 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

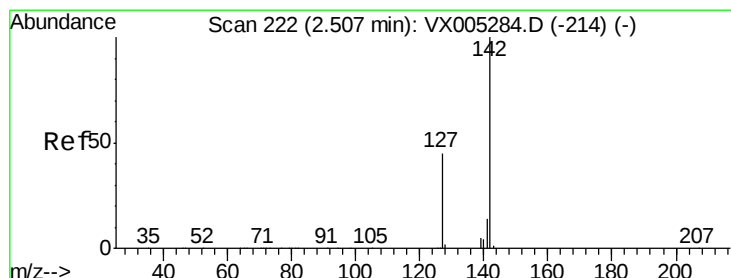
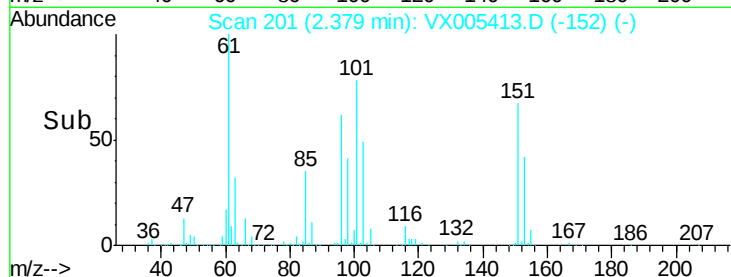
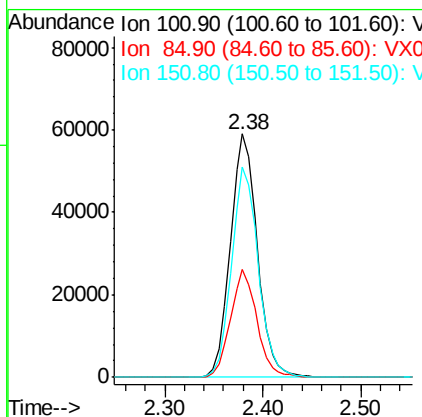
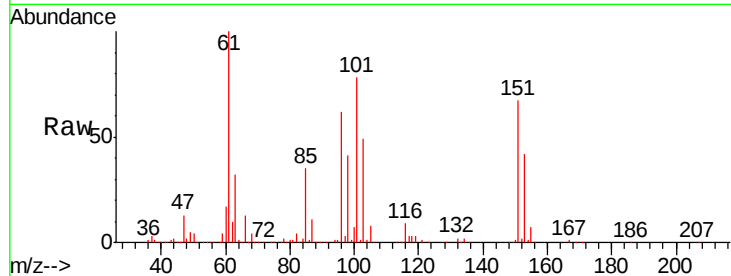
ClientSampleId :

RLF-SW-5MS

Tgt Ion:	101	Resp:	112964
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	86.0	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 56.82 ug/l

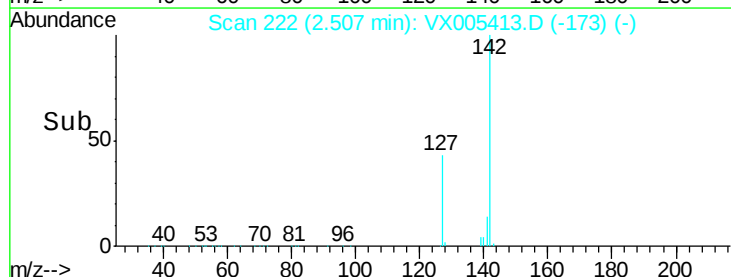
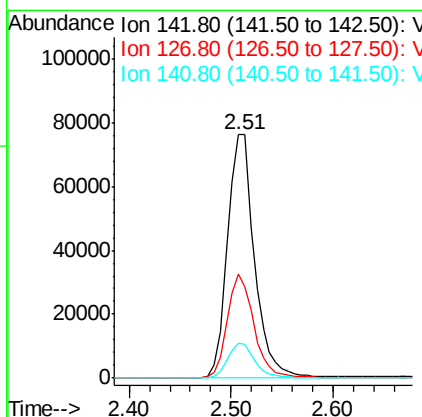
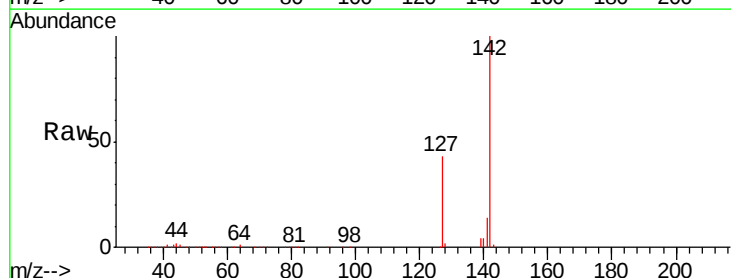
RT: 2.51 min Scan# 222

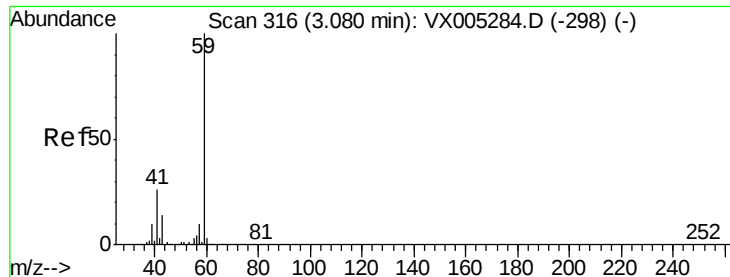
Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion:	142	Resp:	139973
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.8	50.6
141	14.3	11.4	17.0





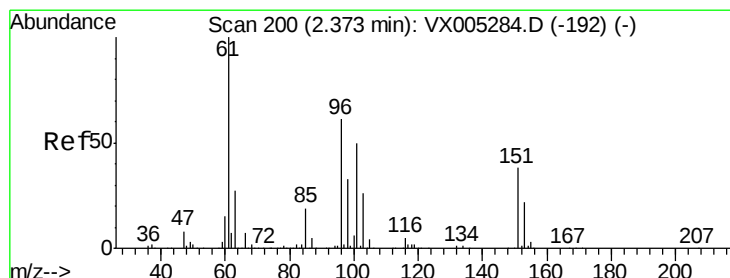
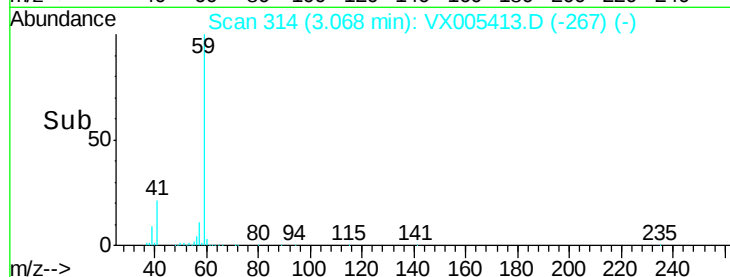
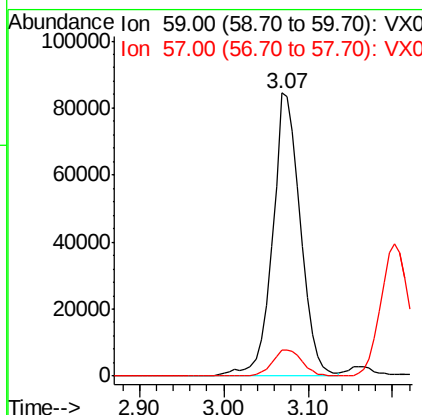
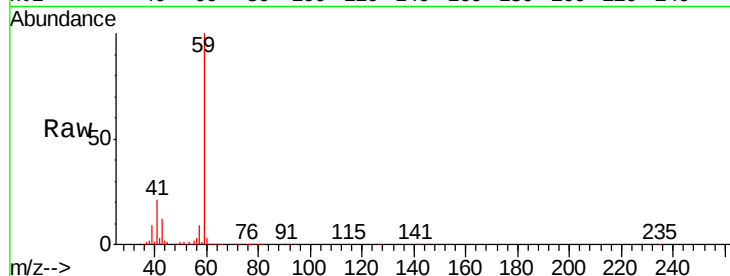
#11
Tert butyl alcohol
Concen: 244.66 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion: 59 Resp: 193460
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4

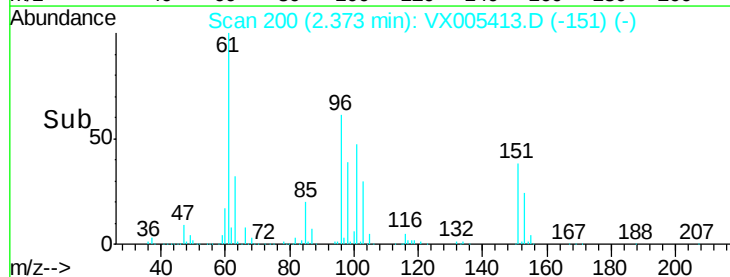
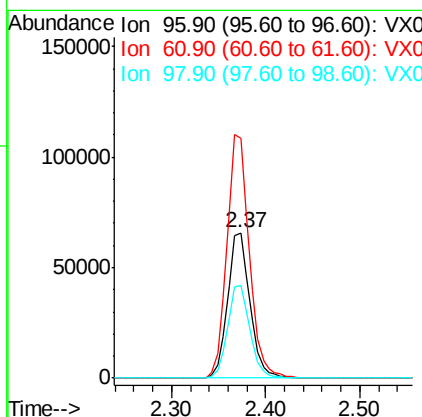
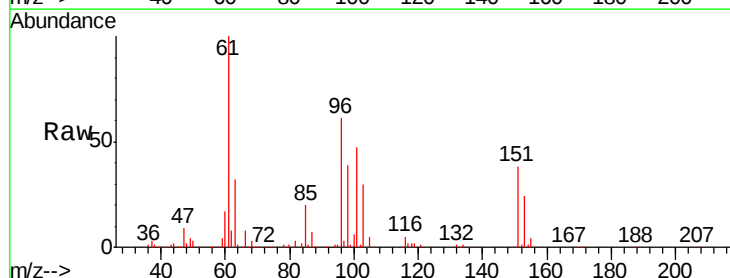
Manual Integrations
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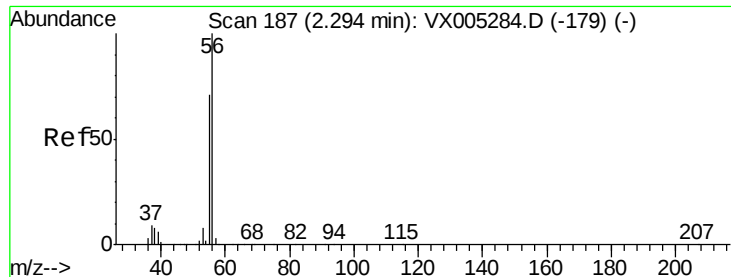
MMDadoda
10/19/2018 12:24:05 PM



#12
1,1-Dichloroethene
Concen: 48.89 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion: 96 Resp: 108145
Ion Ratio Lower Upper
96 100
61 165.1 128.8 193.2
98 63.9 52.2 78.2





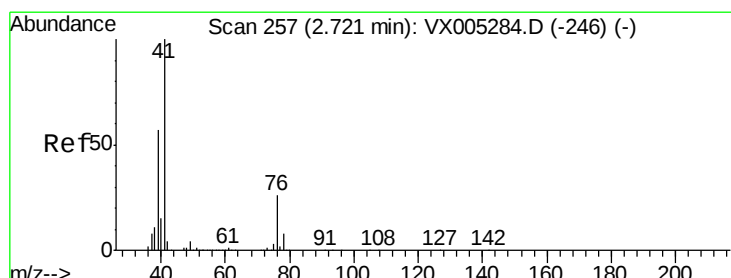
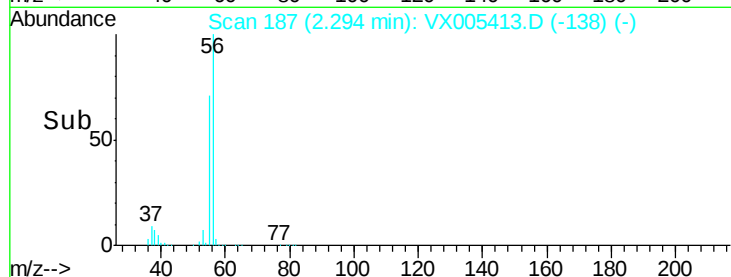
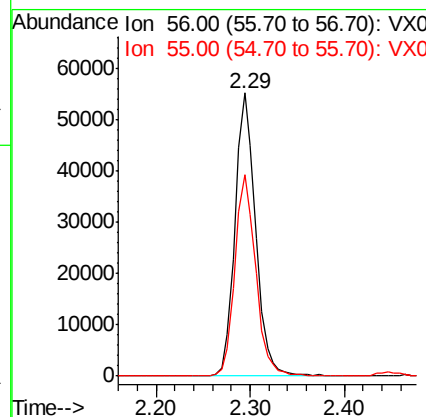
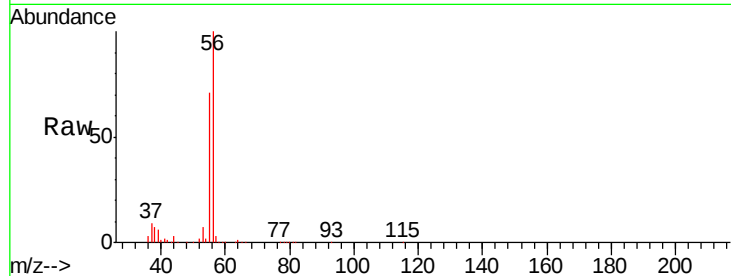
#13
Acrolein
Concen: 164.89 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.9	54.7	82.1

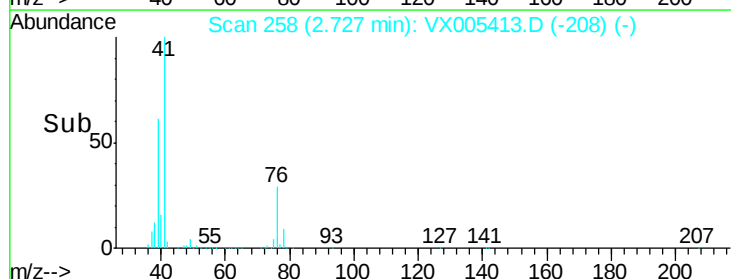
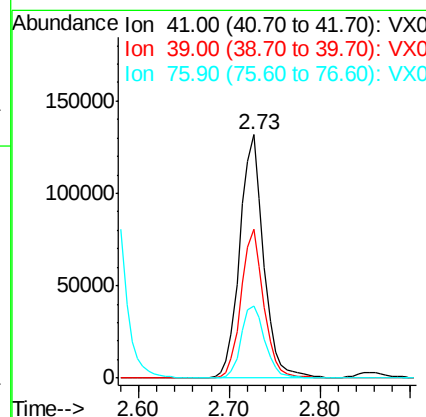
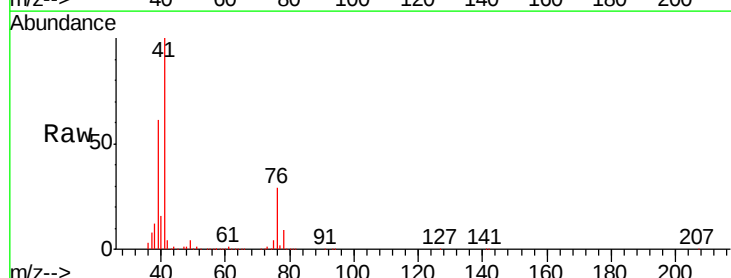
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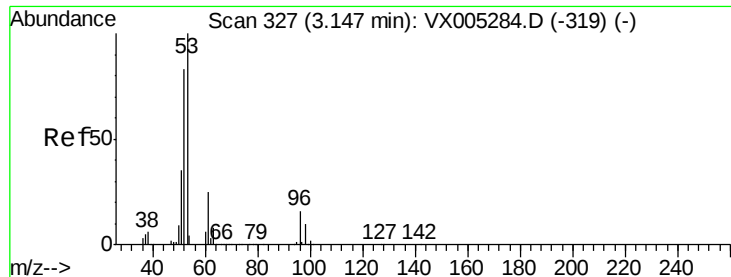
MMDadoda
10/19/2018 12:24:05 PM



#14
Allyl chloride
Concen: 49.50 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.9	48.9	73.3
76	29.5	26.7	40.1





#15

Acrylonitrile

Concen: 242.15 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

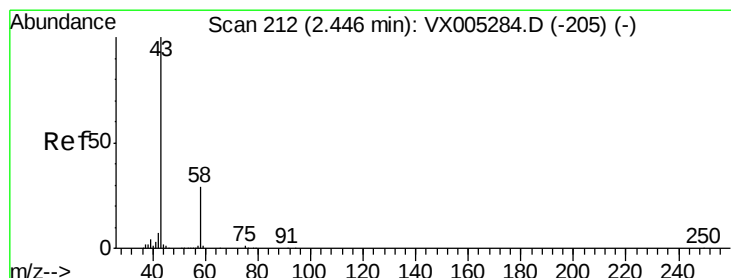
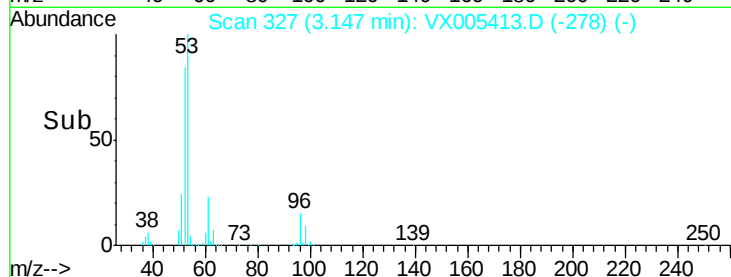
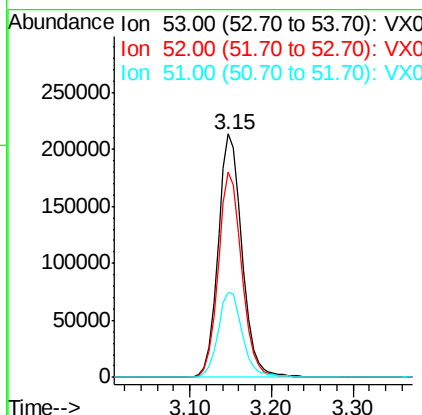
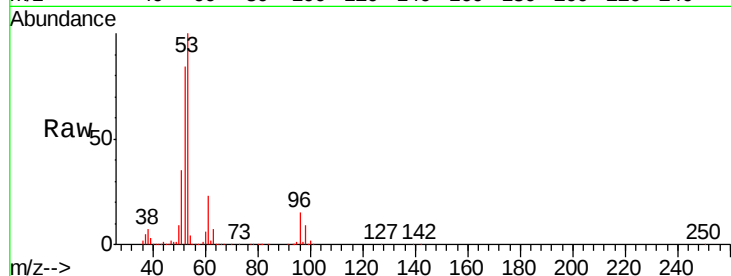
ClientSampleId :

RLF-SW-5MS

Tgt Ion:	53	Resp:	433897
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.2	97.8
51	36.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 232.90 ug/l

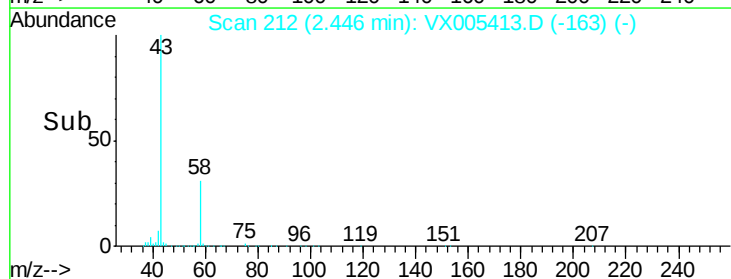
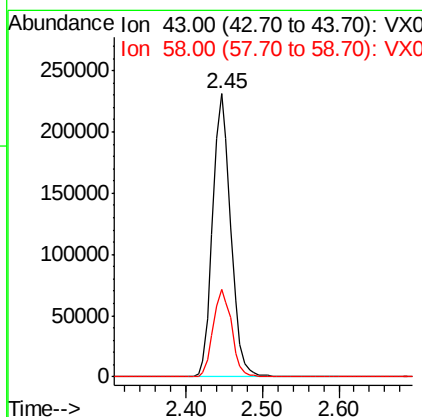
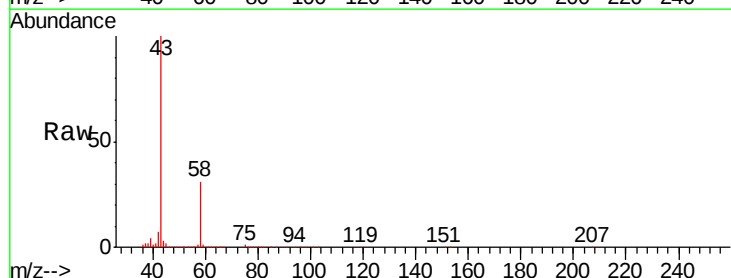
RT: 2.45 min Scan# 212

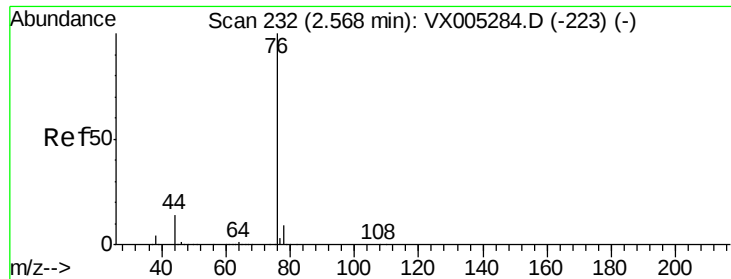
Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion:	43	Resp:	377479
Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.2	39.4





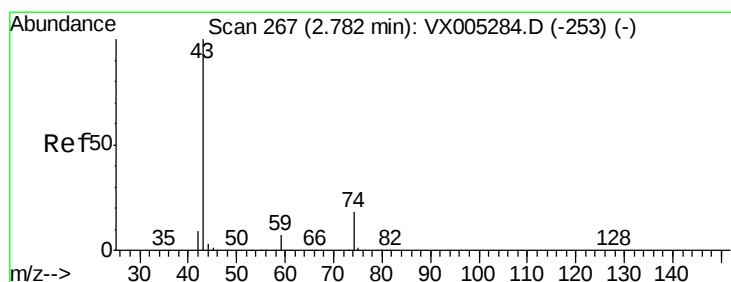
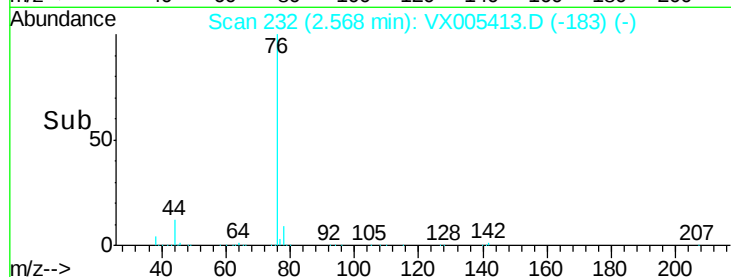
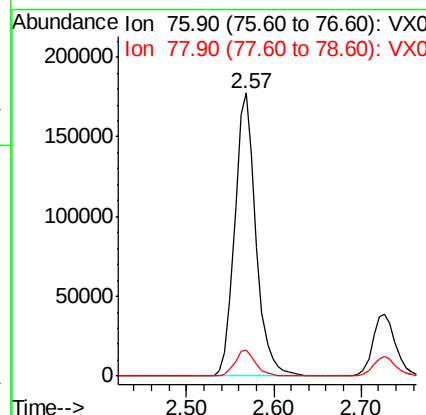
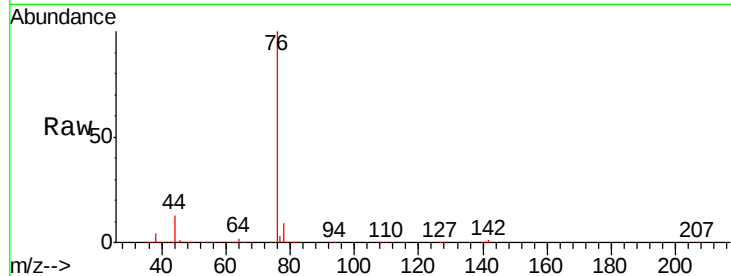
#17
Carbon Disulfide
Concen: 44.88 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

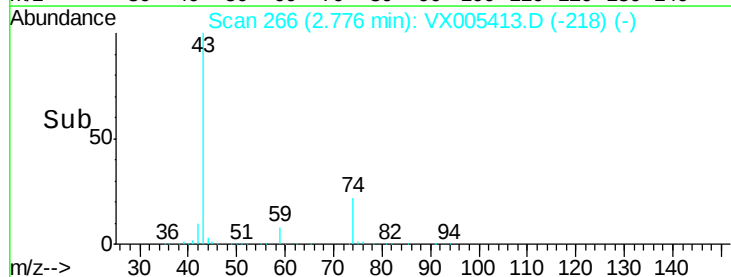
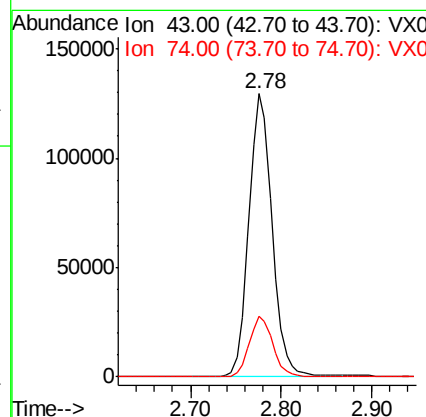
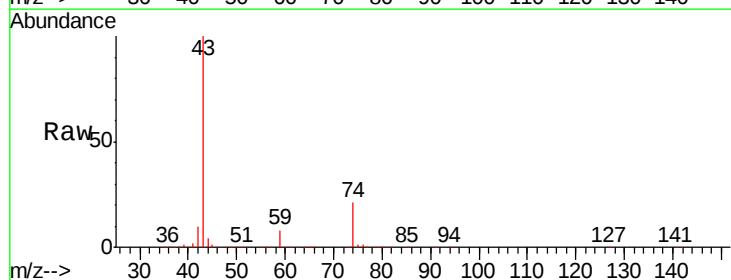
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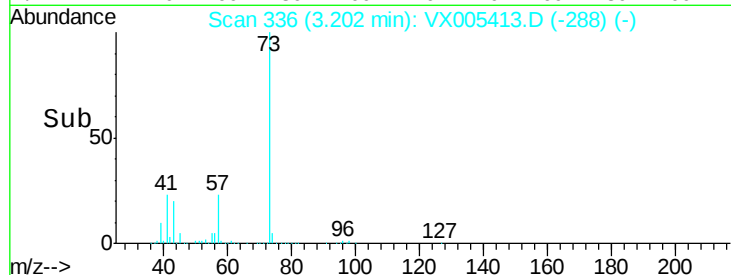
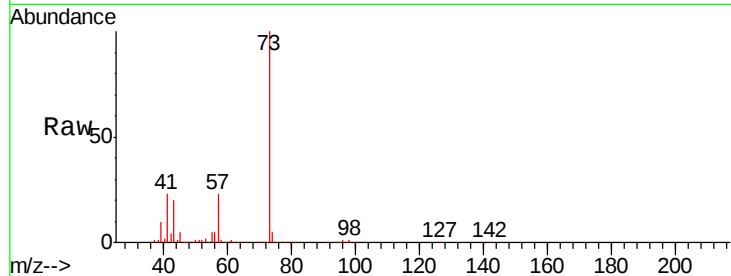
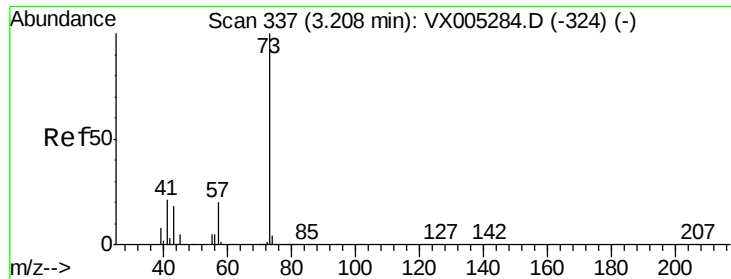
MMDadoda
10/19/2018 12:24:05 PM



#18
Methyl Acetate
Concen: 49.79 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	19.4	29.2





#19

Methyl tert-butyl Ether

Concen: 52.60 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion: 73 Resp: 409839

Ion Ratio Lower Upper

73 100

57 22.5 17.1 25.7

Instrument :

MSVOA_X

ClientSampleId :

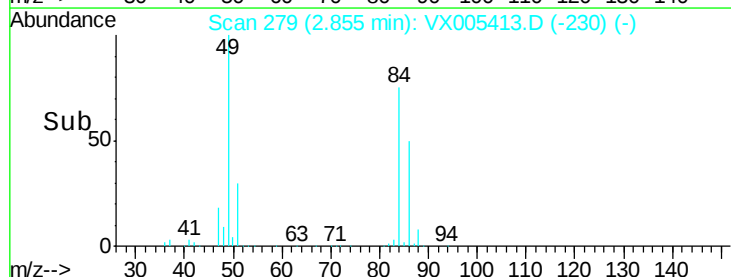
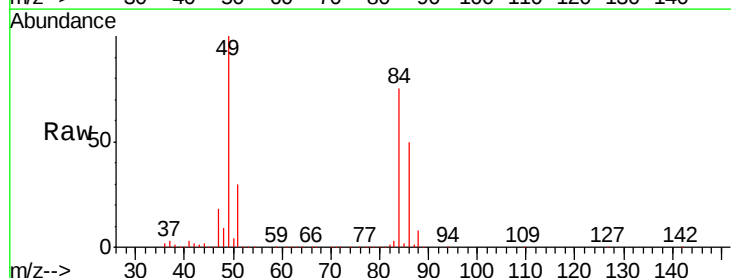
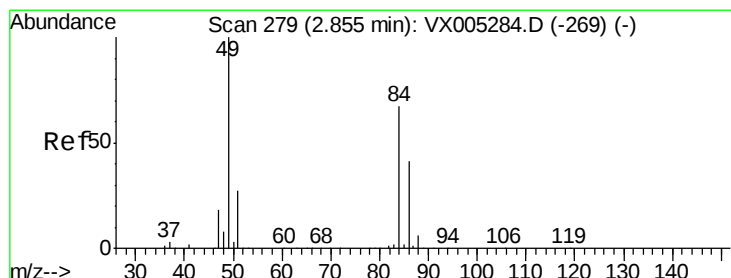
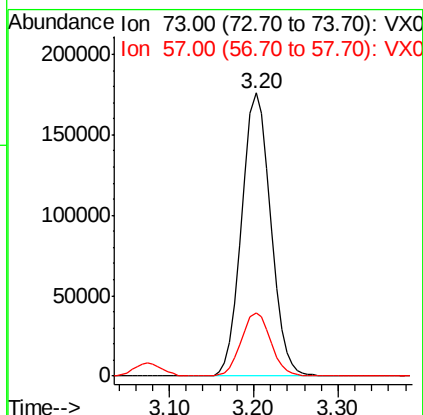
RLF-SW-5MS

Manual Integrations

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#20

Methylene Chloride

Concen: 53.70 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion: 84 Resp: 126596

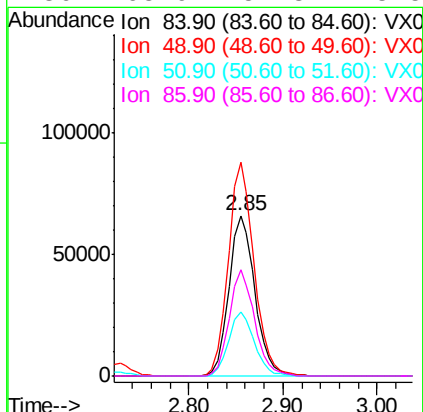
Ion Ratio Lower Upper

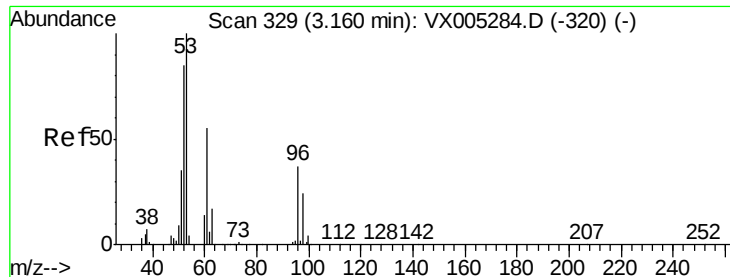
84 100

49 133.0 101.2 151.8

51 40.1 29.5 44.3

86 65.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.81 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

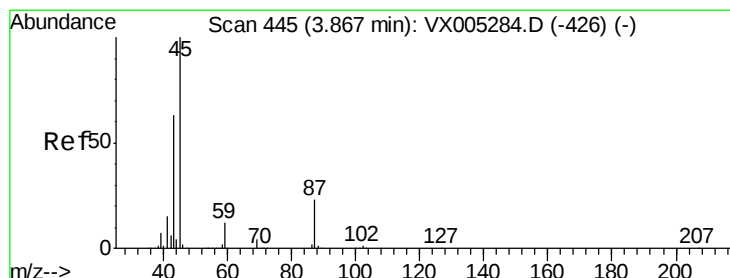
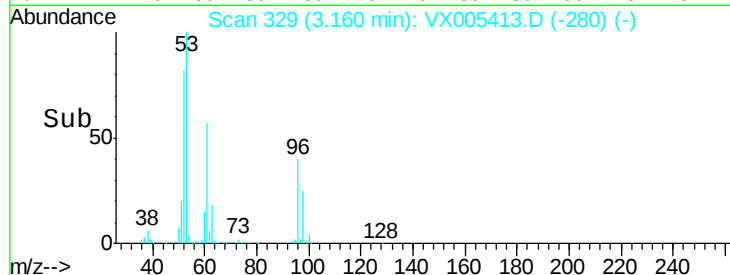
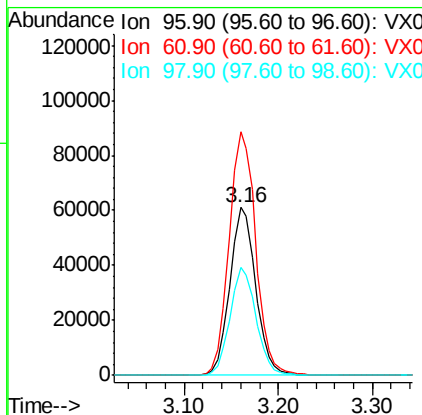
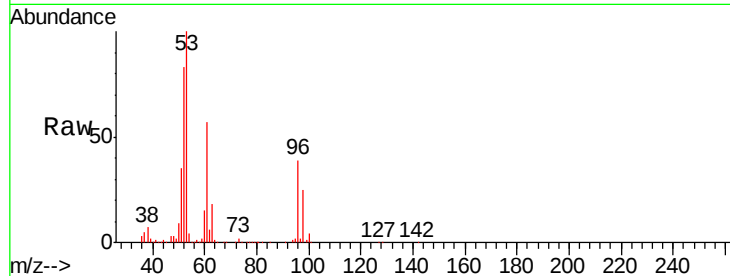
ClientSampleId :

RLF-SW-5MS

Tgt Ion:	96	Resp:	117205
Ion	Ratio	Lower	Upper
96	100		
61	144.9	113.8	170.6
98	64.0	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.59 ug/l

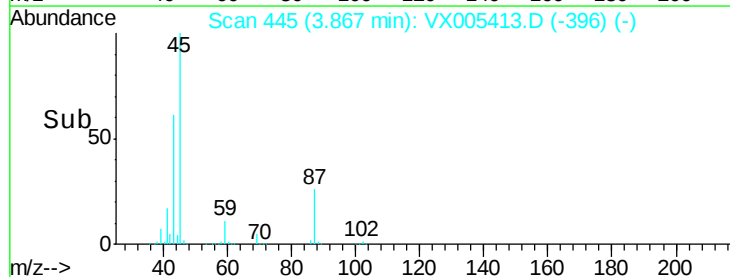
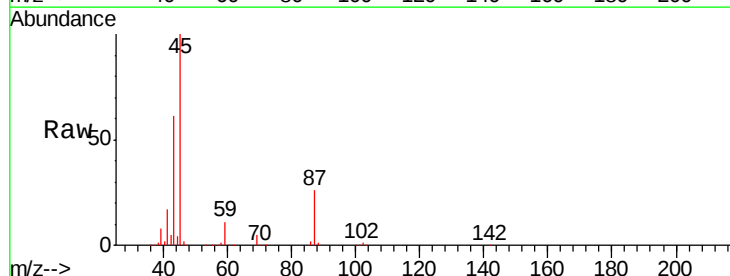
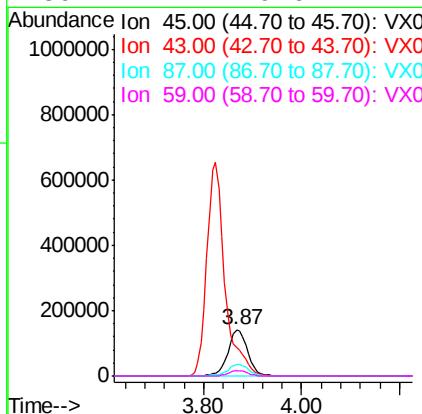
RT: 3.87 min Scan# 445

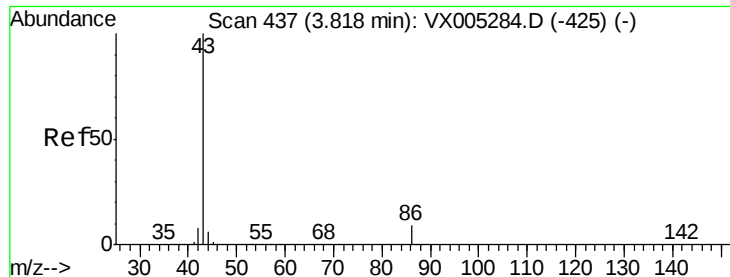
Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion:	45	Resp:	396363
Ion	Ratio	Lower	Upper
45	100		
43	60.6	42.8	64.2
87	26.0	22.6	34.0
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 235.84 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion: 43 Resp: 1681559

Ion Ratio Lower Upper

43 100

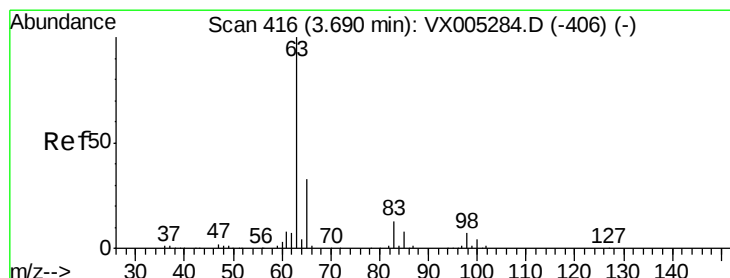
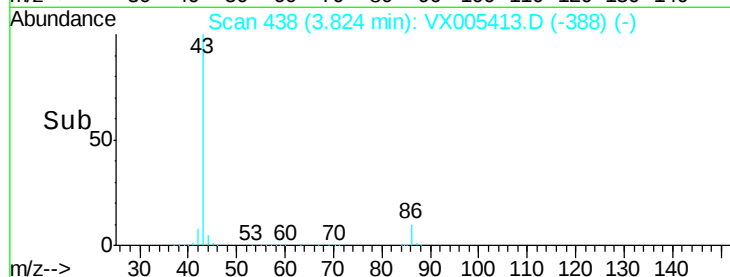
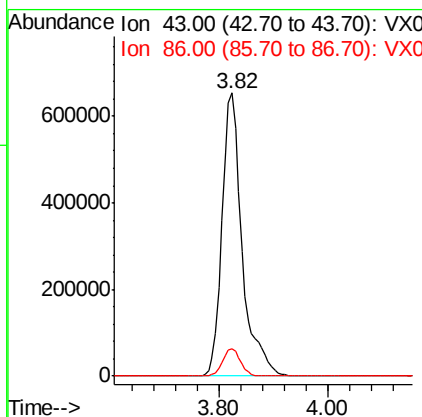
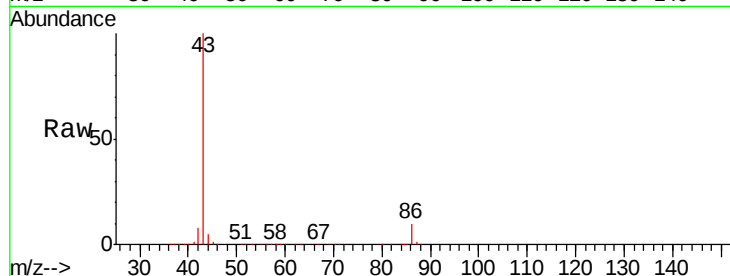
86 9.9 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.28 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

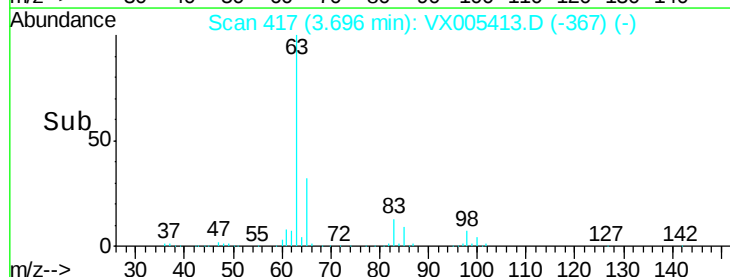
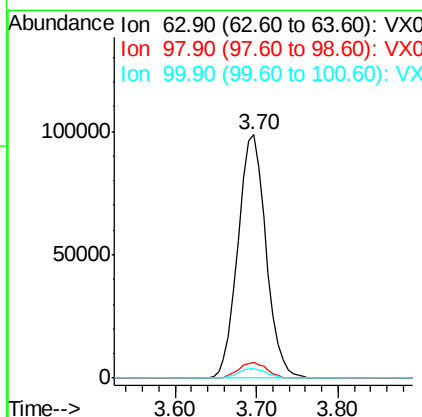
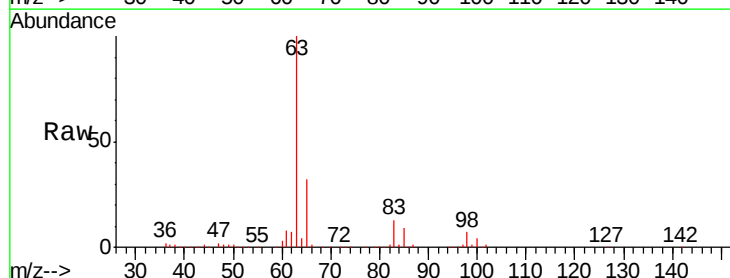
Tgt Ion: 63 Resp: 235062

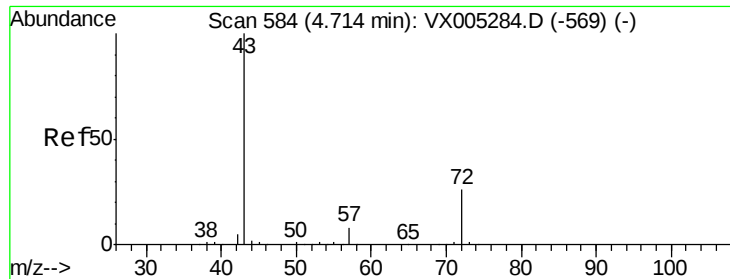
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 233.54 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion: 43 Resp: 553822

Ion Ratio Lower Upper

43 100

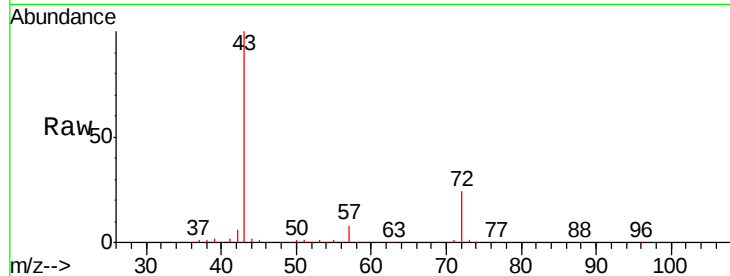
72 24.4 22.0 33.0

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

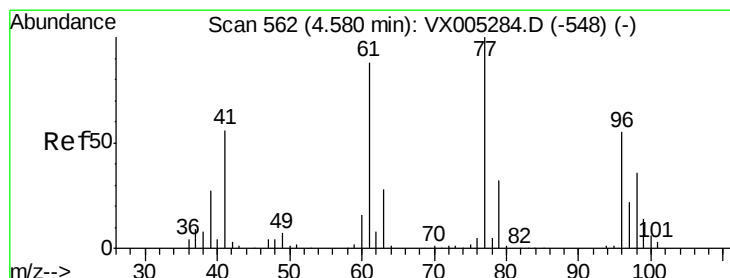
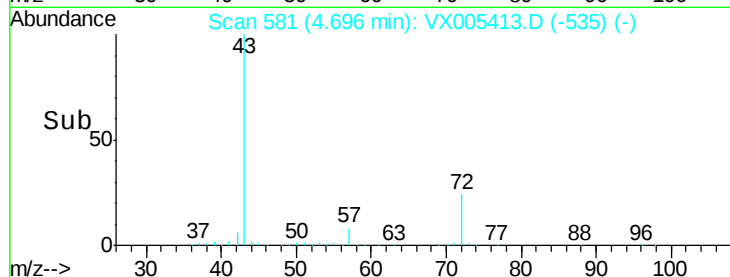
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.53 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005413.D

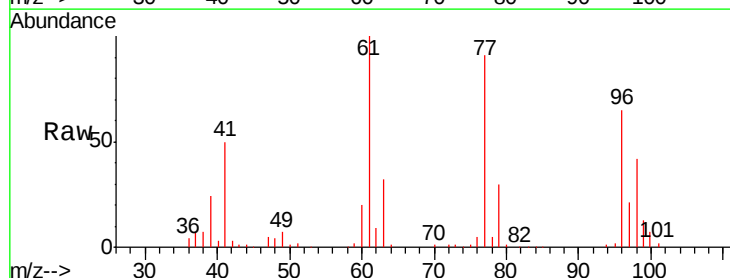
Acq: 18 Oct 2018 02:00

Tgt Ion: 77 Resp: 134716

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

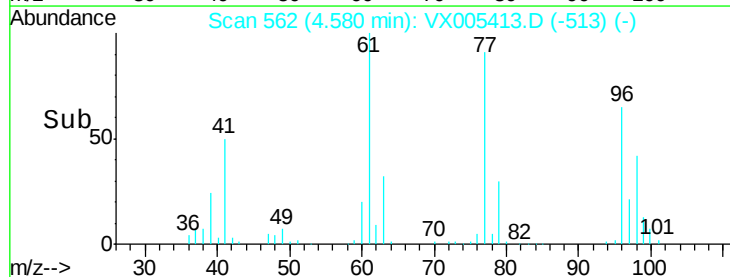
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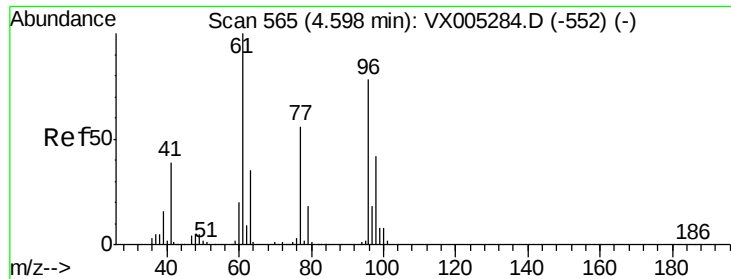
4.50

4.60

4.70

Time-->





#27

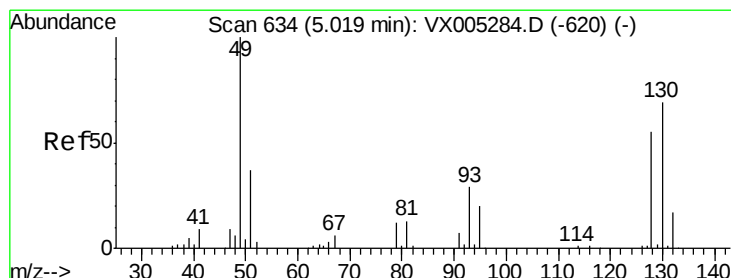
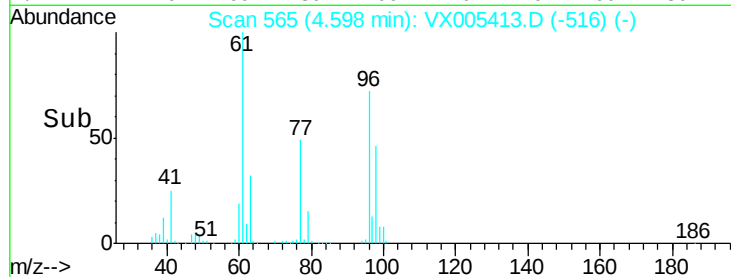
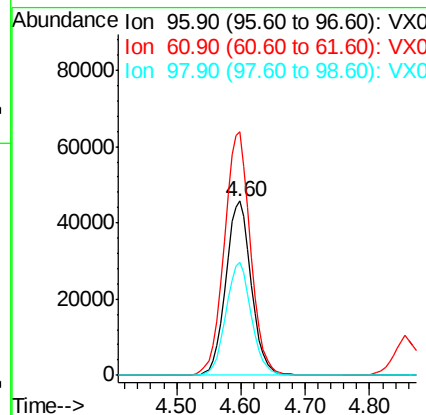
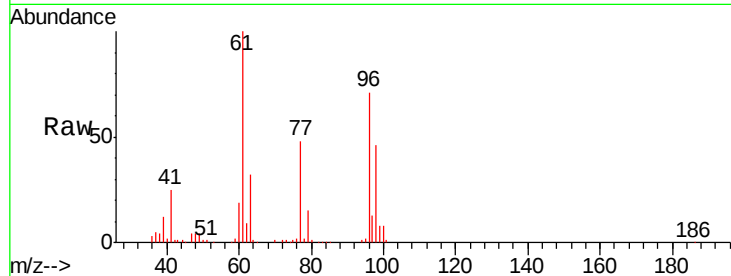
cis-1,2-Dichloroethene
 Concen: 47.81 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	127373		
61	143.8	0.0	282.6	
98	64.7	0.0	130.2	

Manual Integrations
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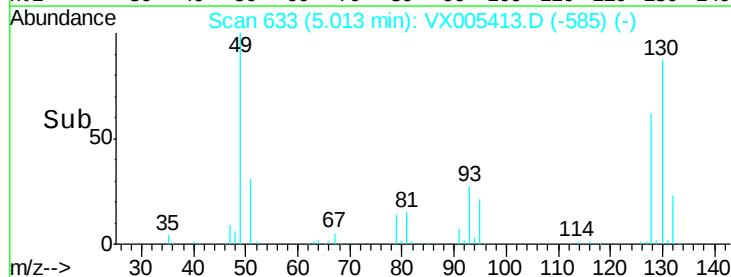
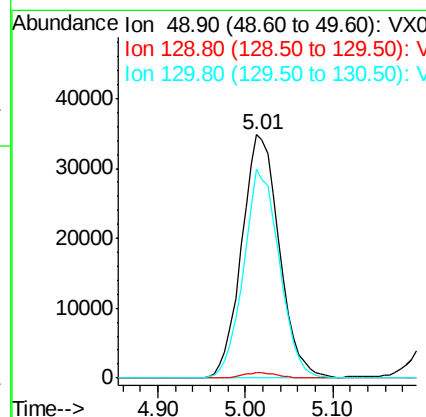
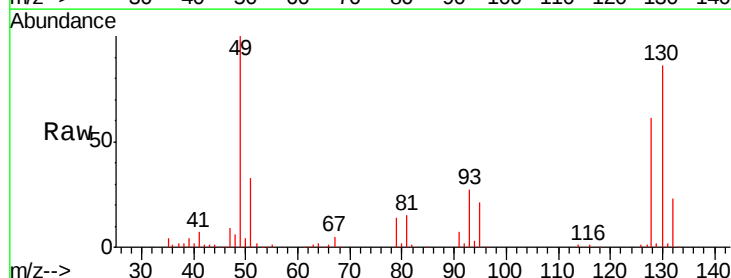
MMDadoda
 10/19/2018 12:24:05 PM

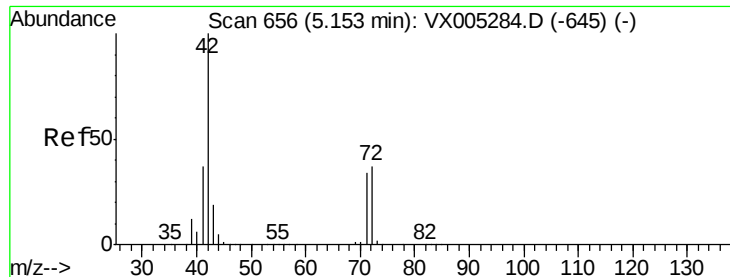


#28

Bromochloromethane
 Concen: 48.87 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104160		
129	2.3	0.0	4.2	
130	81.9	67.5	101.3	





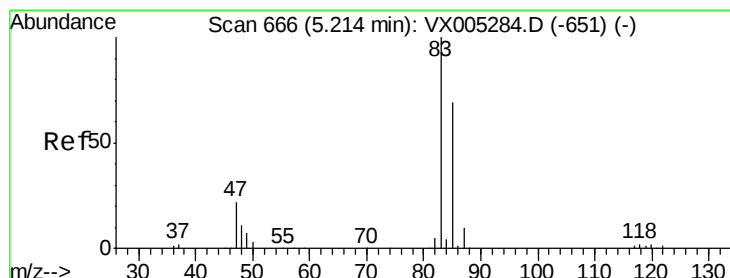
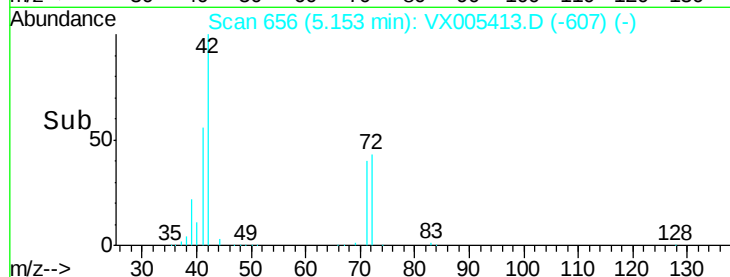
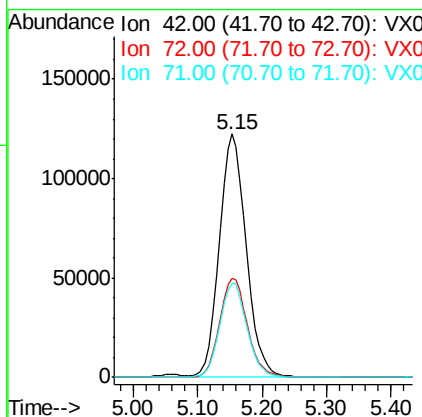
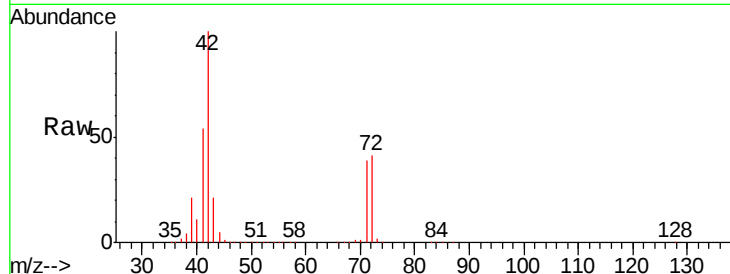
#29
Tetrahydrofuran
Concen: 237.46 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.2	37.4	56.0
71	39.6	34.5	51.7

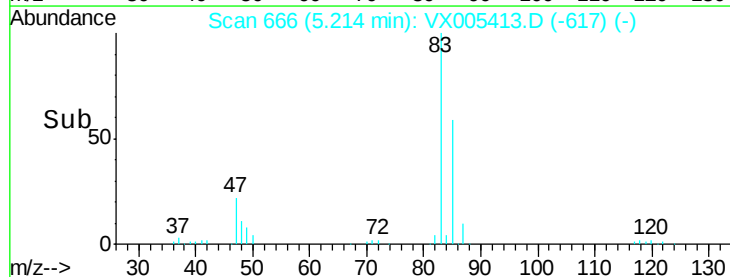
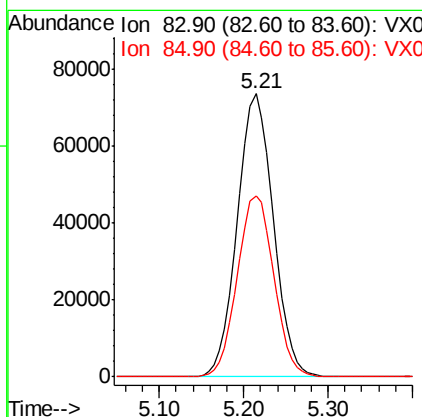
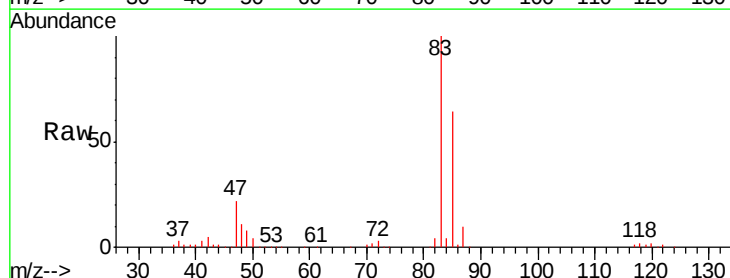
Manual Integrations
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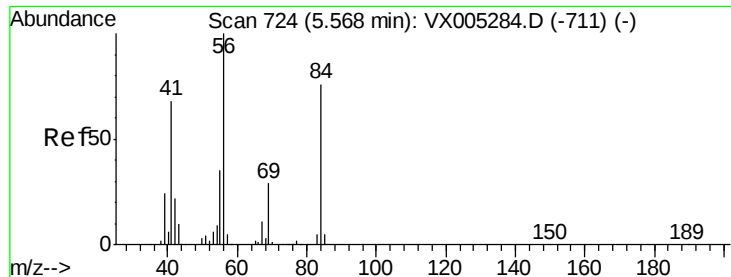
MMDadoda
10/19/2018 12:24:05 PM



#30
Chloroform
Concen: 49.33 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.6	79.0





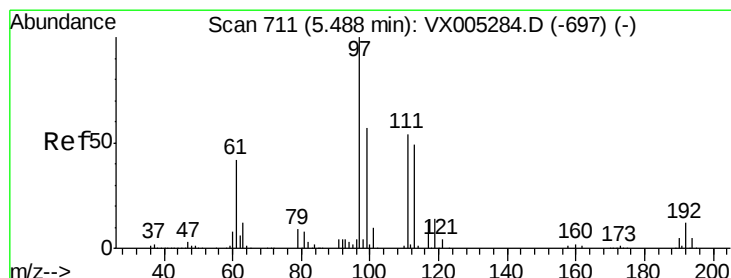
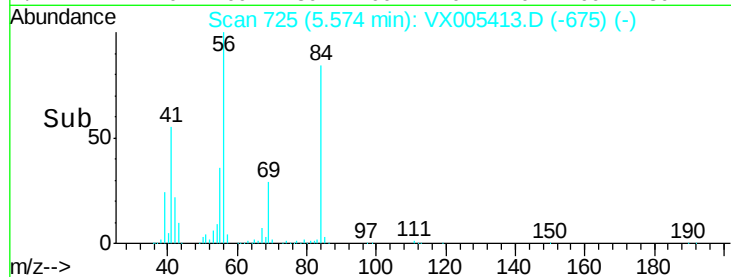
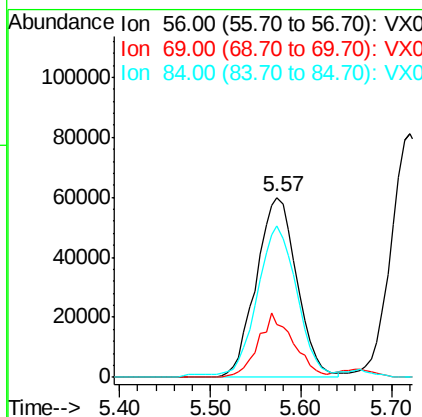
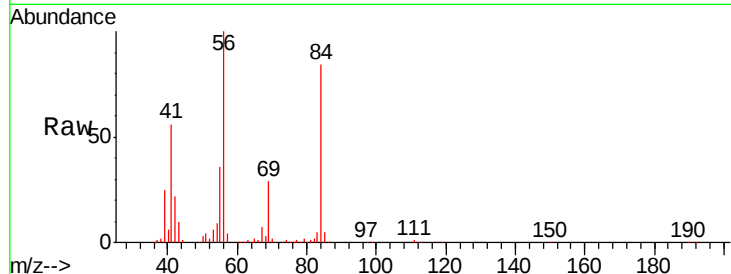
#31
Cyclohexane
Concen: 48.35 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	25.4	38.2
84	82.7	71.4	107.2

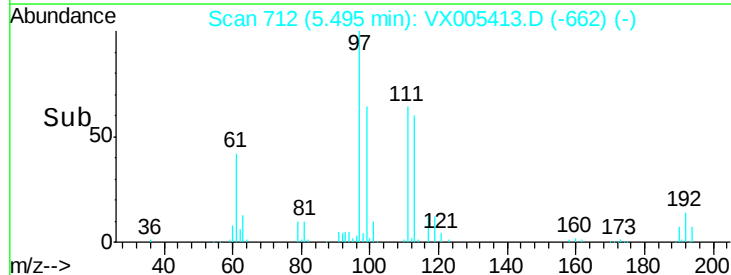
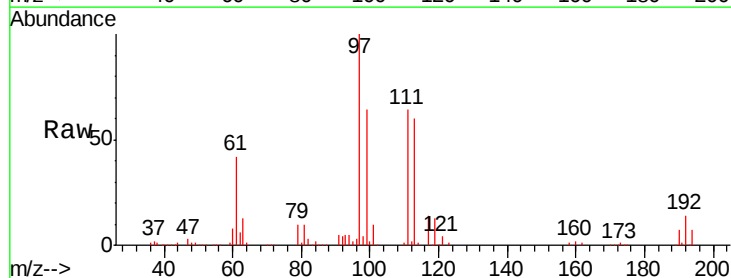
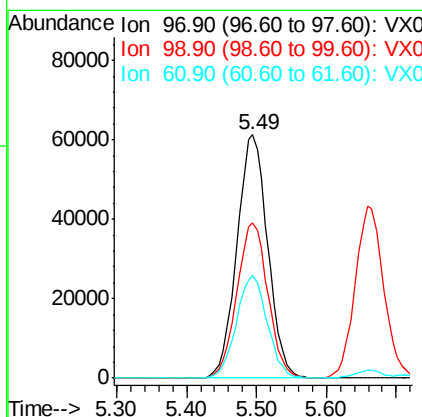
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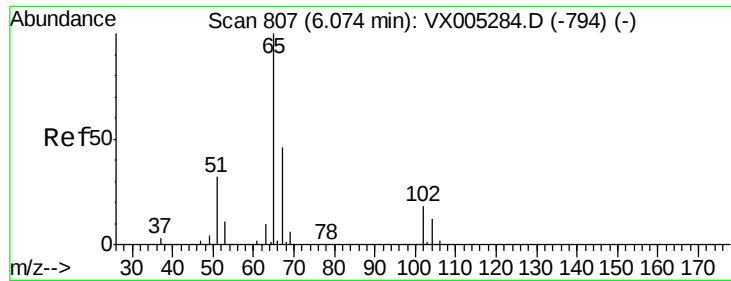
MMDadoda
10/19/2018 12:24:05 PM



#32
1,1,1-Trichloroethane
Concen: 49.43 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	42.5	34.9	52.3





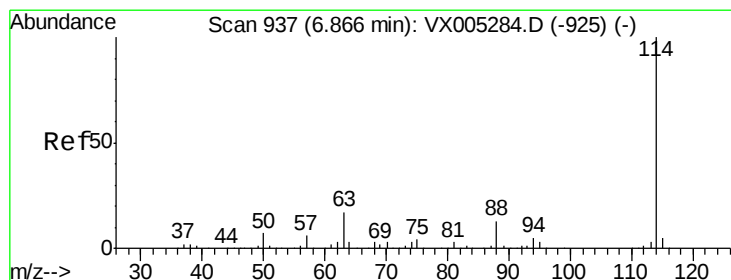
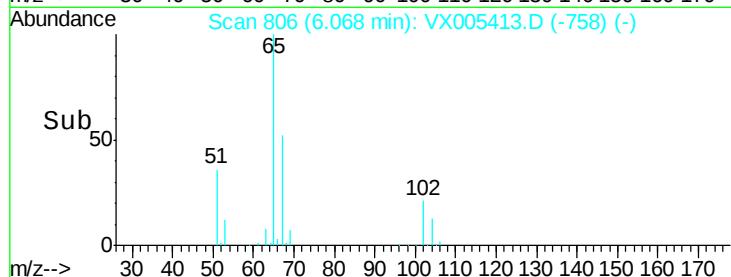
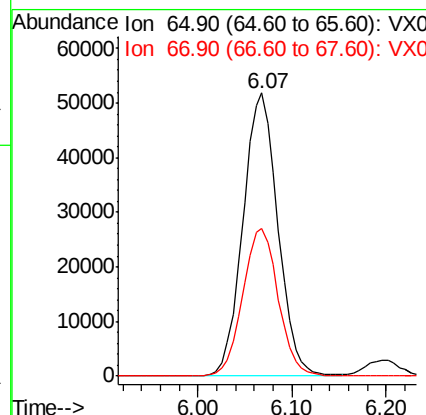
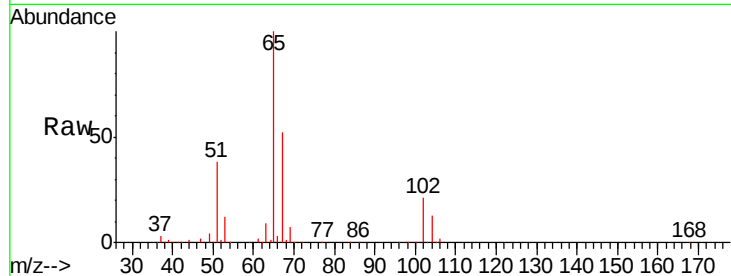
#33
 1,2-Dichloroethane-d4
 Concen: 47.90 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tgt Ion: 65 Resp: 134278
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8

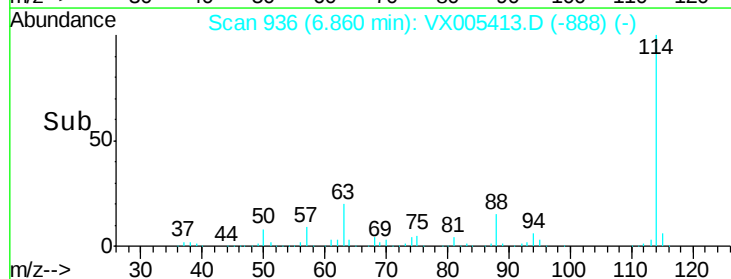
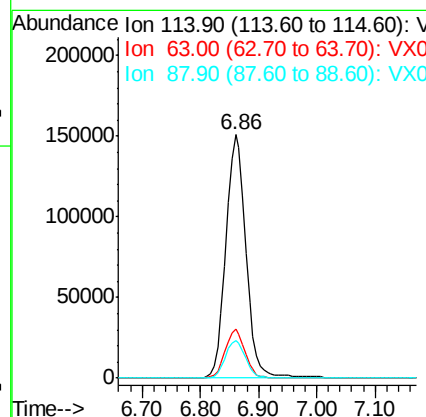
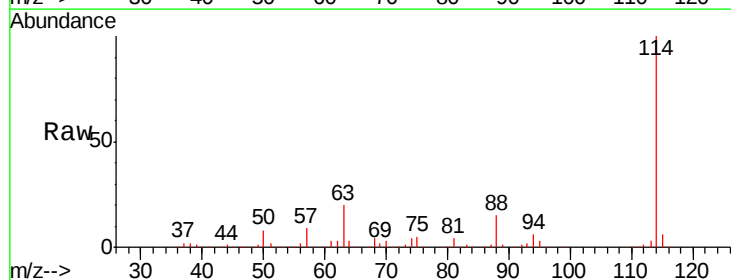
Manual Integrations
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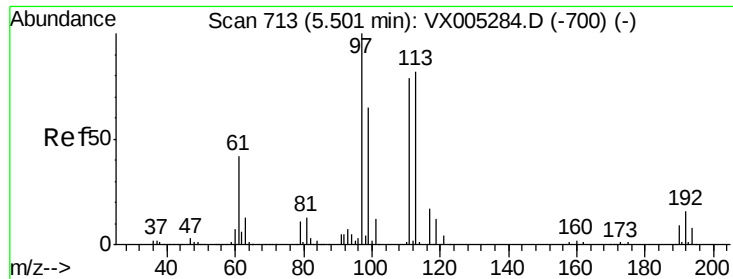
MMDadoda
 10/19/2018 12:24:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 114 Resp: 364105
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.2 0.0 30.4





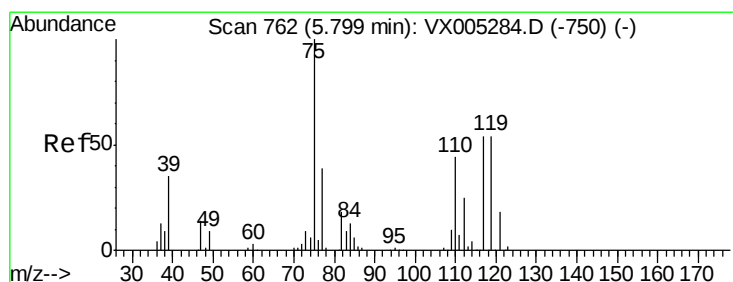
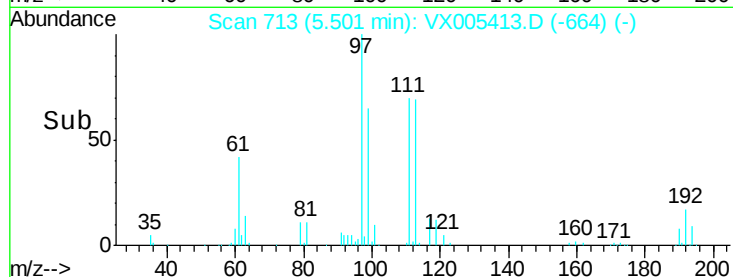
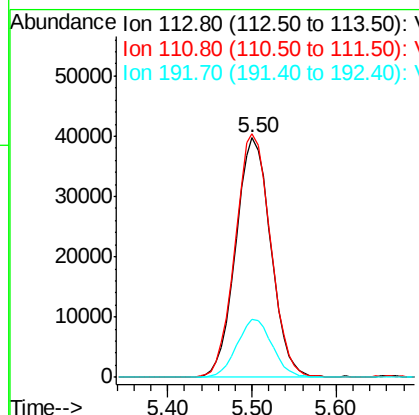
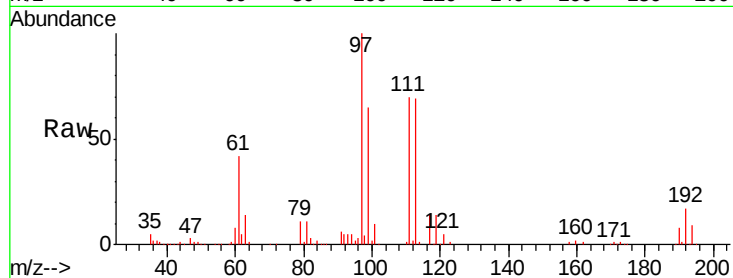
#35
Dibromofluoromethane
Concen: 46.35 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	111782		
111	102.7	82.4	123.6	
192	24.4	19.4	29.2	

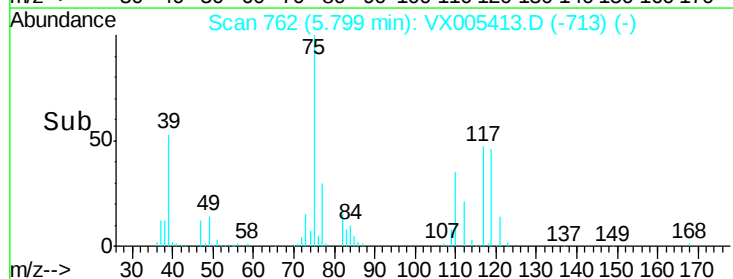
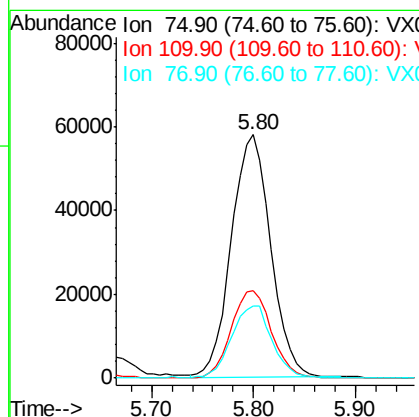
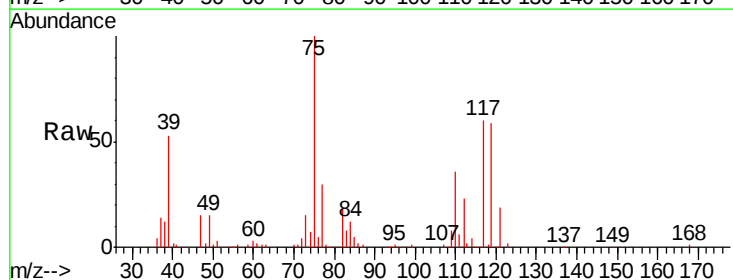
Manual Integrations
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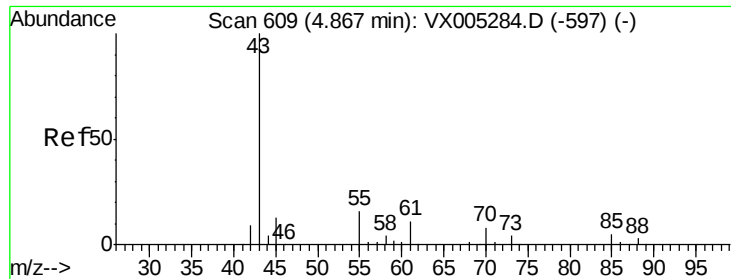
MMDadoda
10/19/2018 12:24:05 PM



#36
1,1-Dichloropropene
Concen: 43.84 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	154605		
110	37.2	18.0	54.0	
77	30.4	24.6	36.8	





#37

Ethyl Acetate

Concen: 44.40 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

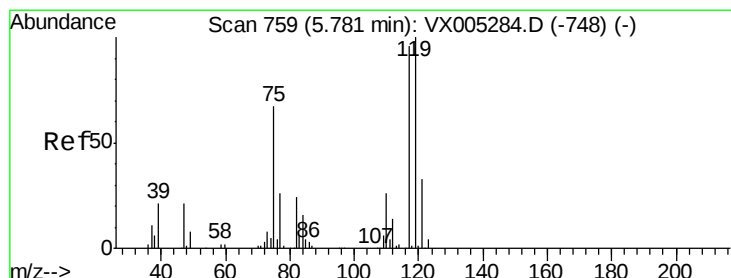
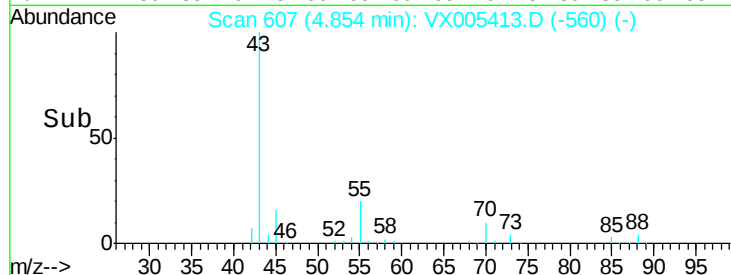
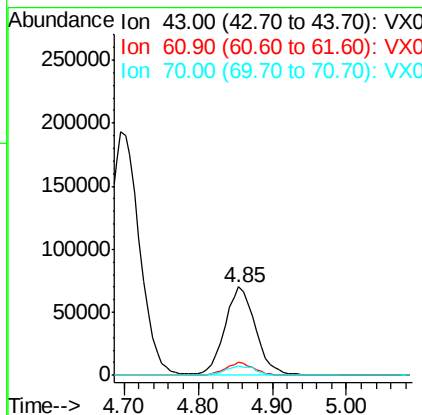
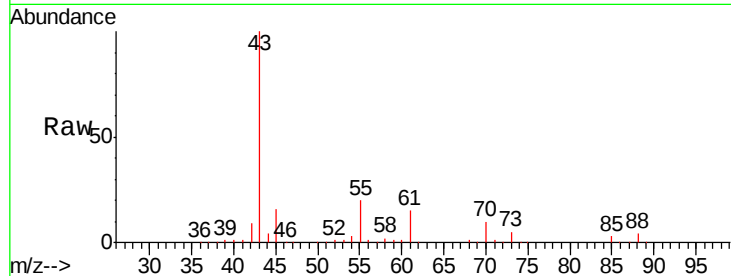
ClientSampleId :

RLF-SW-5MS

Tgt Ion:	43	Resp:	201344
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	10.5	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 47.08 ug/l

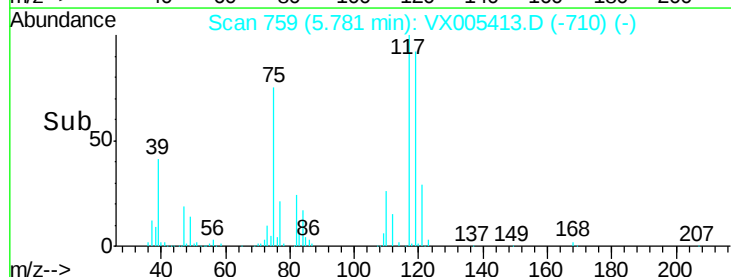
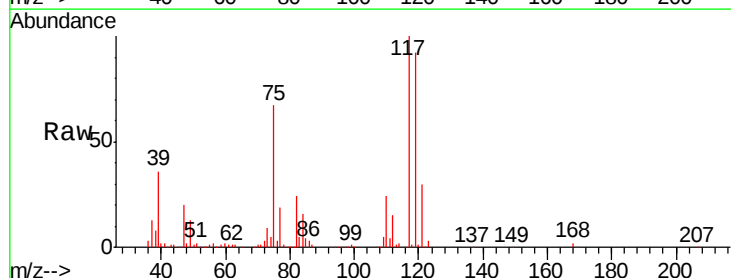
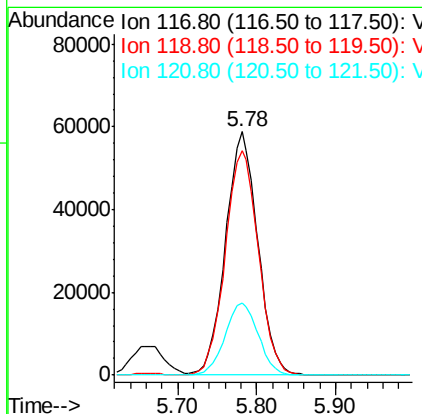
RT: 5.78 min Scan# 759

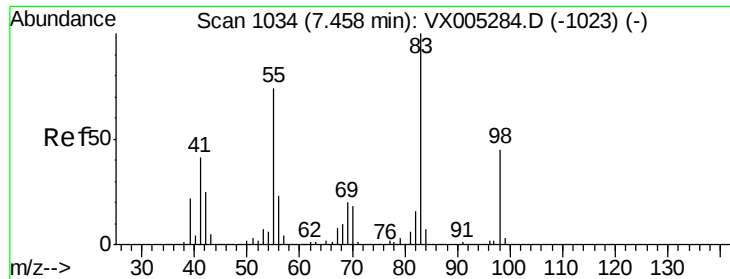
Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion:	117	Resp:	166829
Ion	Ratio	Lower	Upper
117	100		
119	92.1	78.8	118.2
121	29.7	24.9	37.3





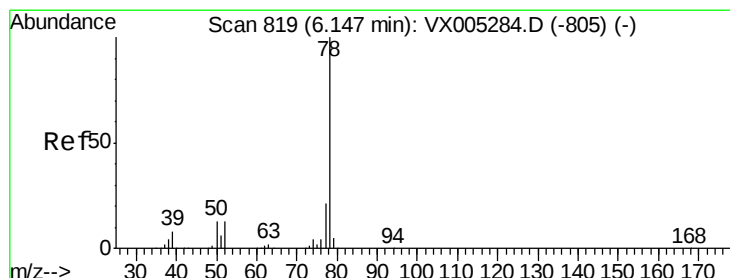
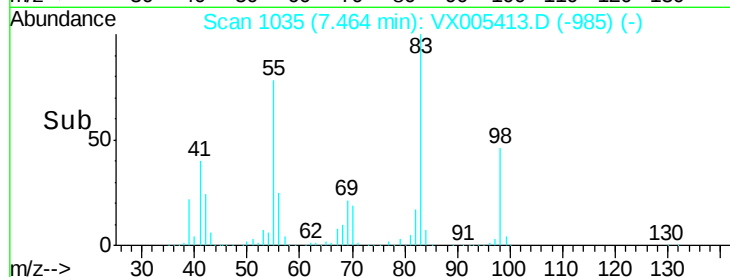
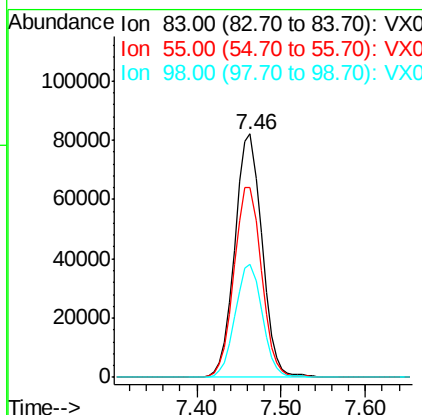
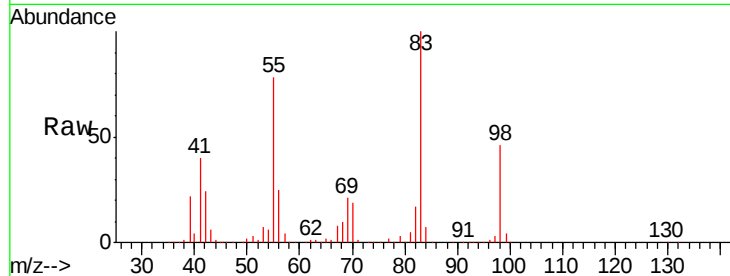
#39
Methylcyclohexane
Concen: 46.97 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.0	91.4
98	46.2	39.6	59.4

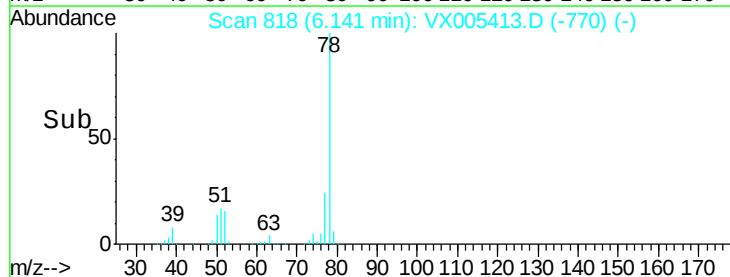
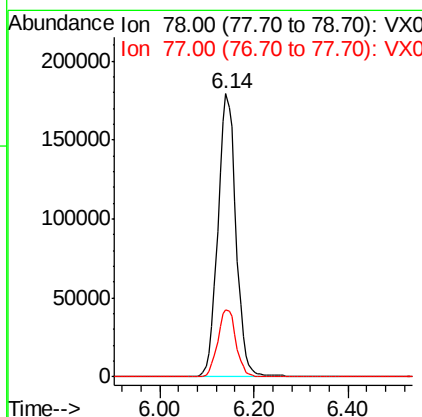
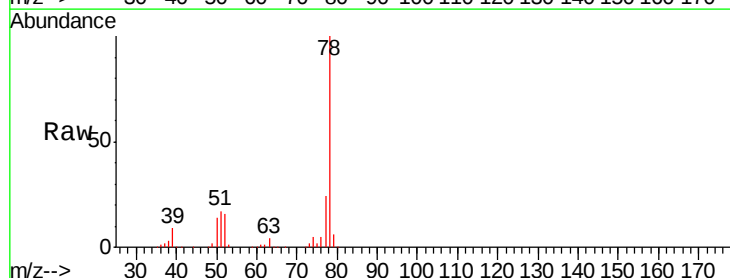
Manual Integrations
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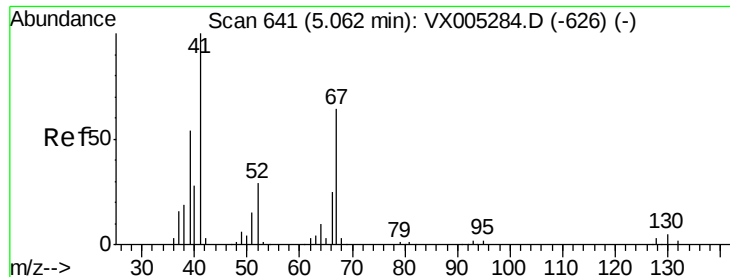
MMDadoda
10/19/2018 12:24:05 PM



#40
Benzene
Concen: 45.21 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





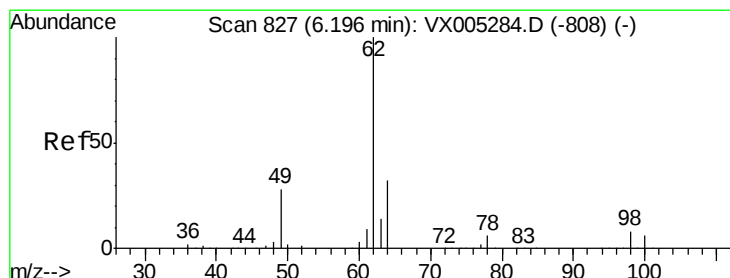
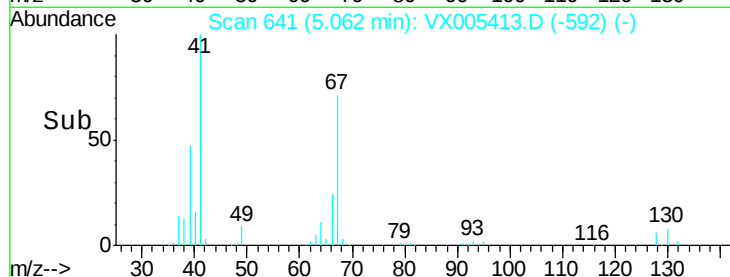
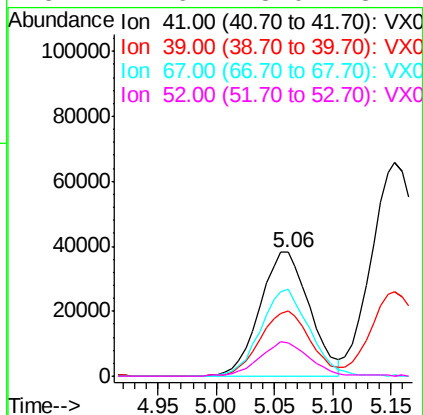
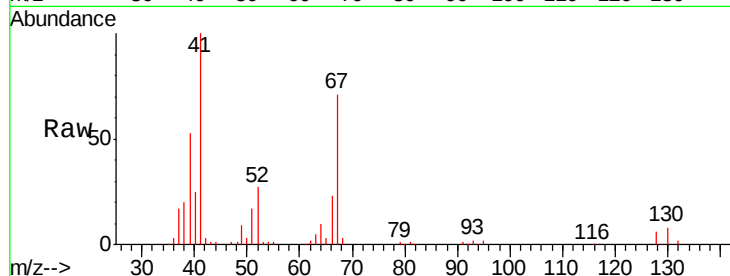
#41
Methacrylonitrile
Concen: 46.43 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.4	63.6	
67	68.9	59.2	88.8	
52	27.6	23.0	34.4	

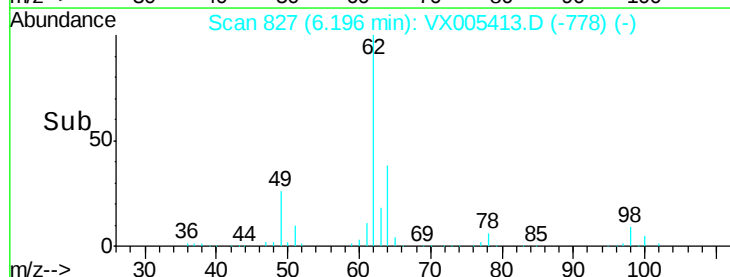
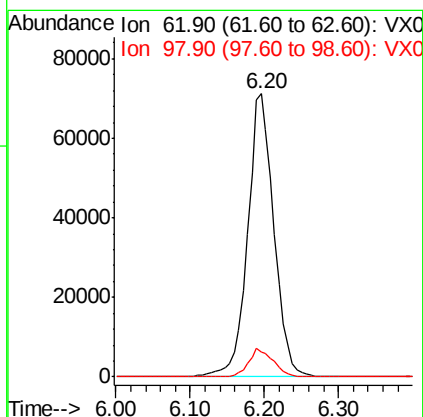
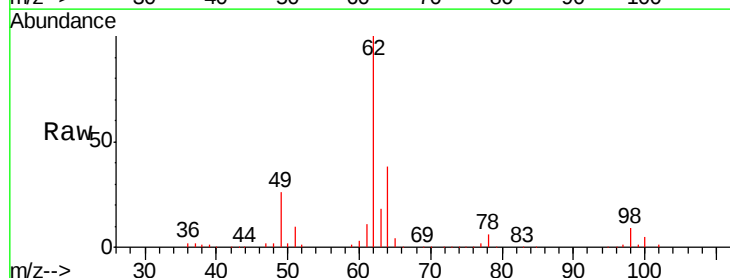
Manual Integrations
APPROVED

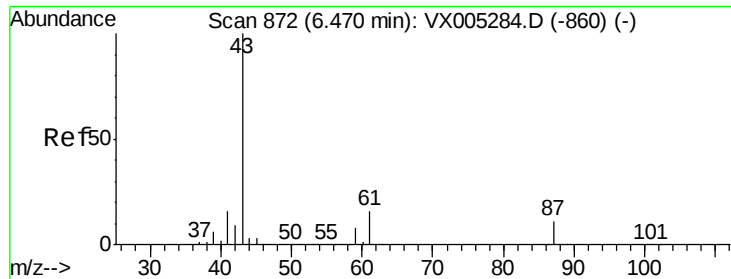
MMDadoda
10/19/2018 12:24:05 PM



#42
1,2-Dichloroethane
Concen: 47.06 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	20.6	





#43

Isopropyl Acetate

Concen: 51.30 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

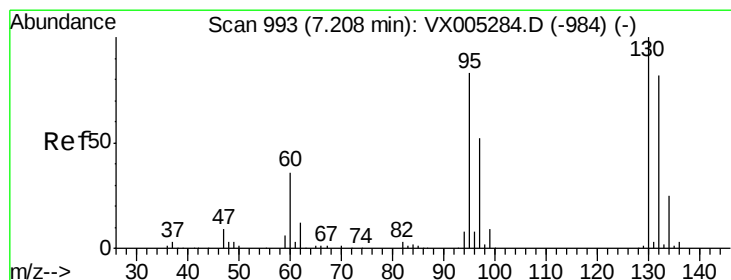
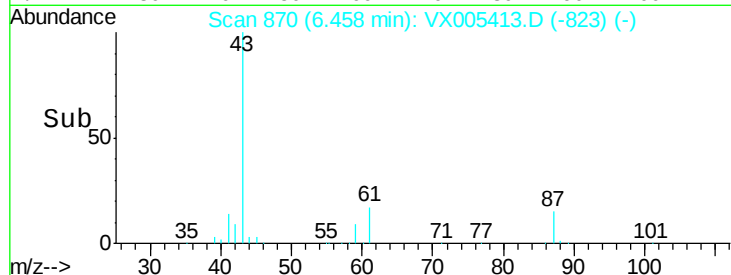
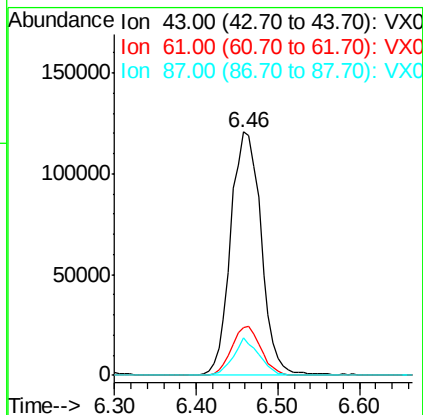
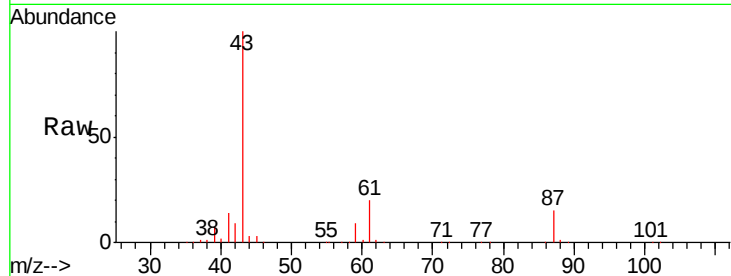
ClientSampleId :

RLF-SW-5MS

Tgt Ion:	43	Resp:	309927
Ion	Ratio	Lower	Upper
43	100		
61	19.4	17.0	25.4
87	13.1	11.4	17.2

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#44

Trichloroethene

Concen: 48.57 ug/l

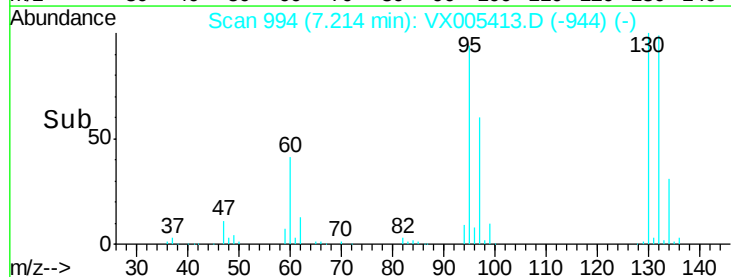
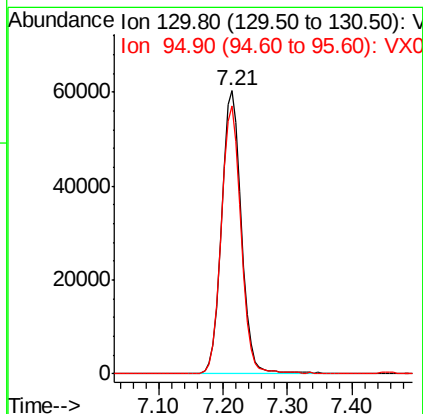
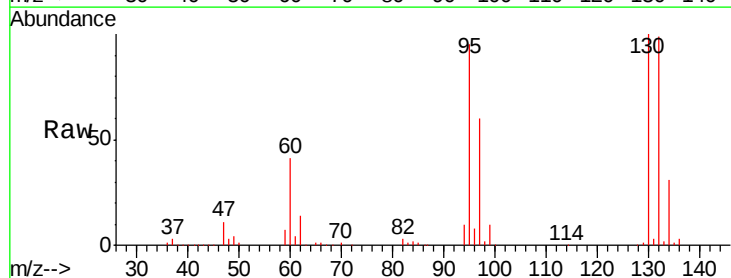
RT: 7.21 min Scan# 994

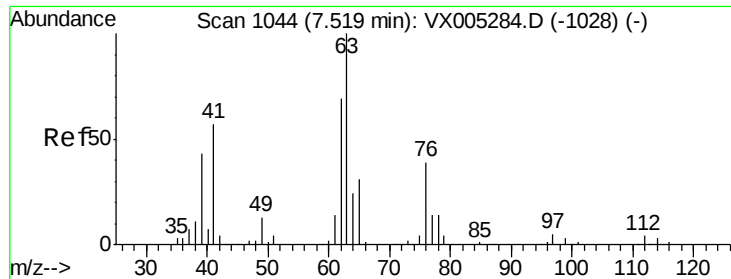
Delta R.T. 0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion:	130	Resp:	131232
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	181.6





#45

1,2-Dichloropropane

Concen: 50.12 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion: 63 Resp: 130043

Ion Ratio Lower Upper

63 100

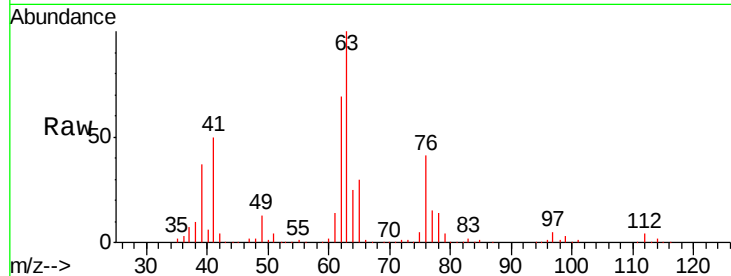
65 30.2 24.3 36.5

Manual Integrations

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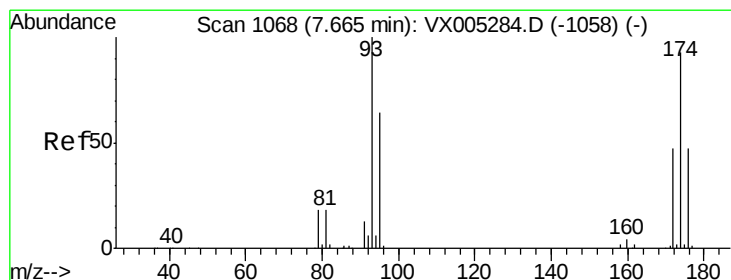
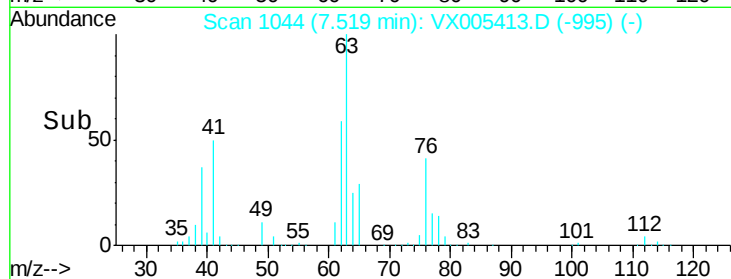
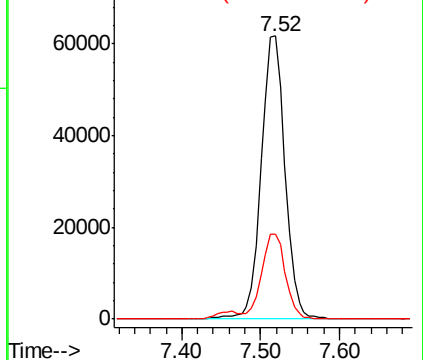
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.29 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

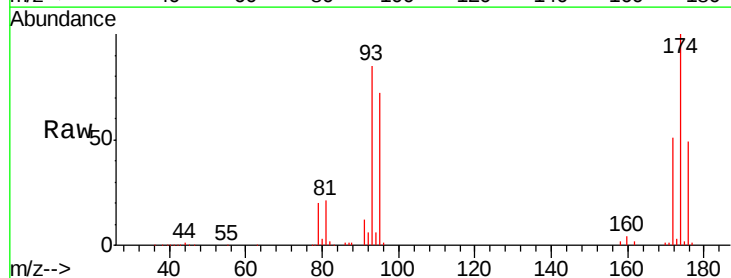
Tgt Ion: 93 Resp: 82701

Ion Ratio Lower Upper

93 100

95 82.8 65.5 98.3

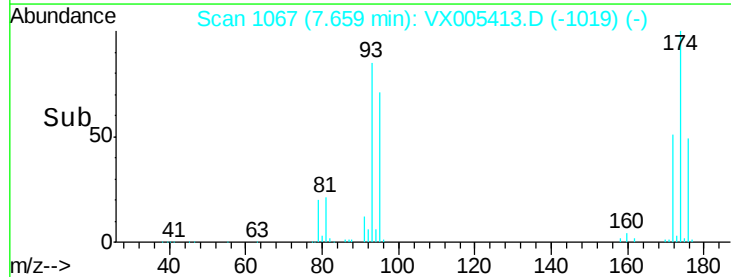
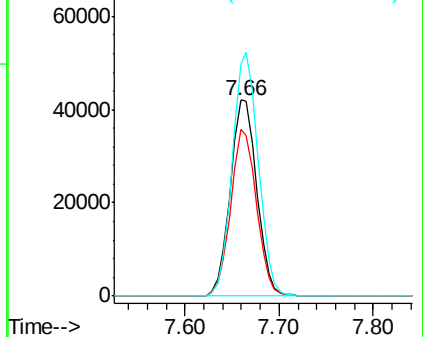
174 121.3 94.2 141.4

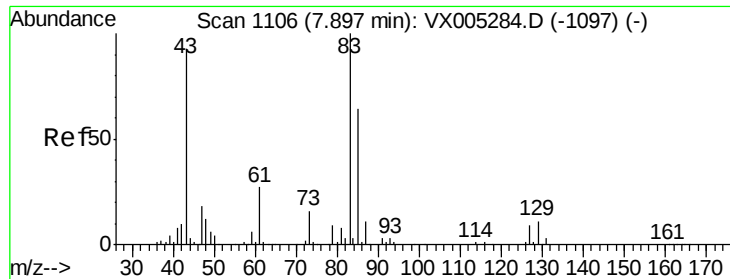


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





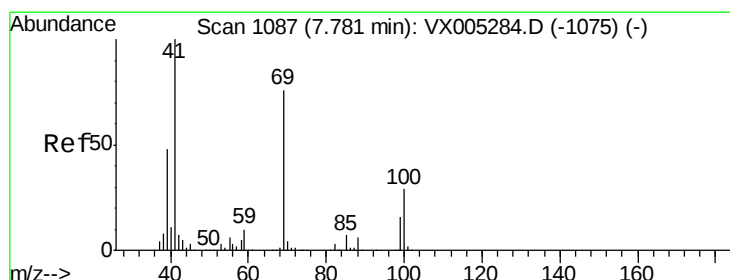
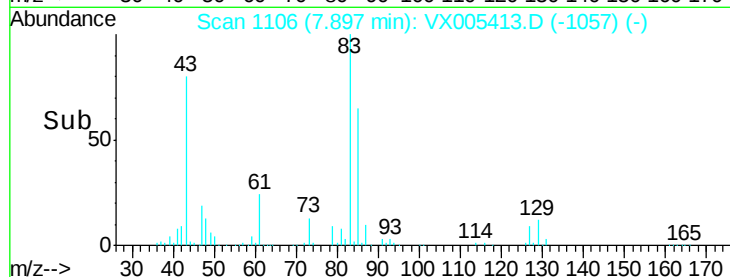
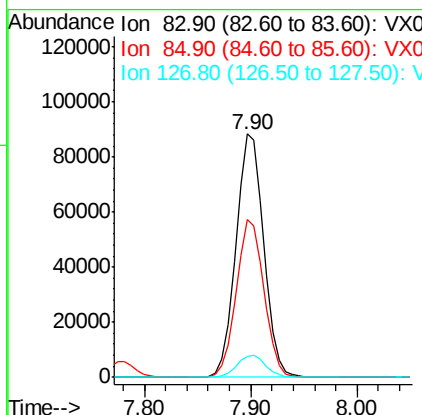
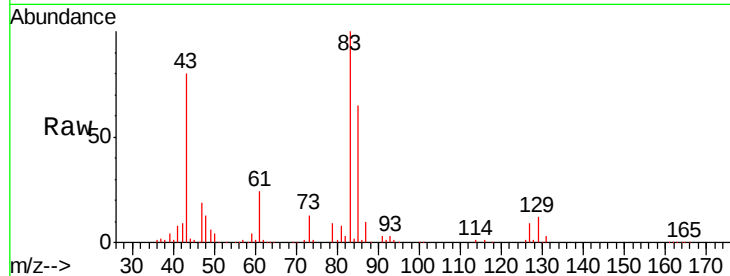
#47
Bromodichloromethane
Concen: 51.10 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3
127	8.7	7.3	10.9

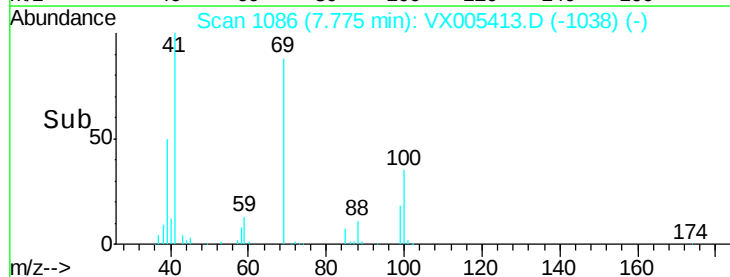
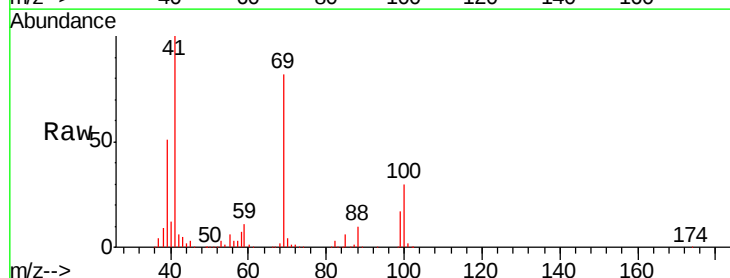
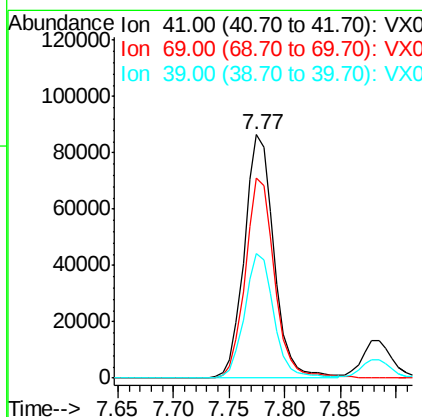
Manual Integrations
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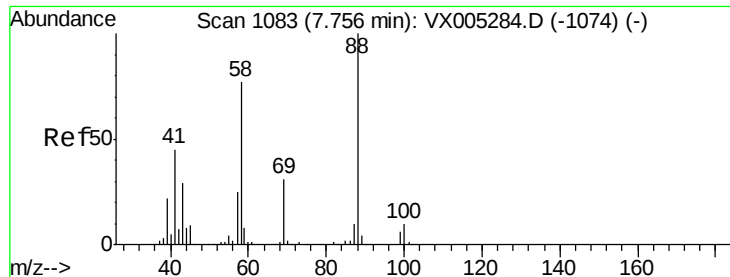
MMDadoda
10/19/2018 12:24:05 PM



#48
Methyl methacrylate
Concen: 50.93 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.0	70.2	105.4
39	50.4	42.7	64.1





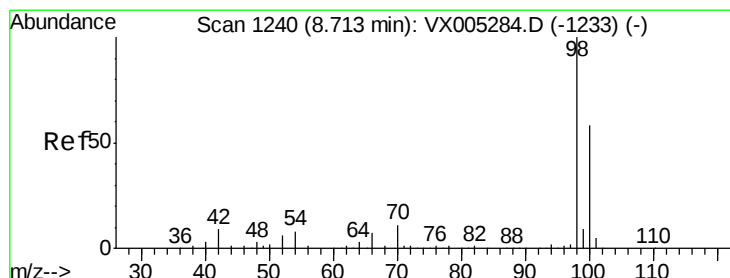
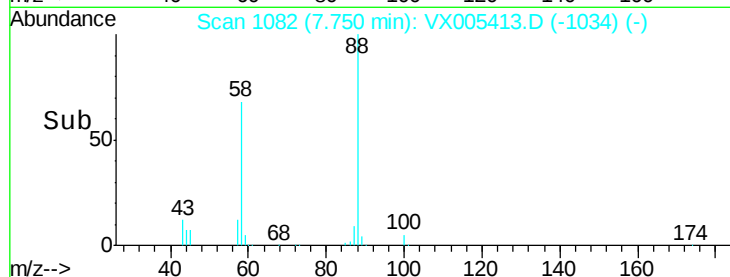
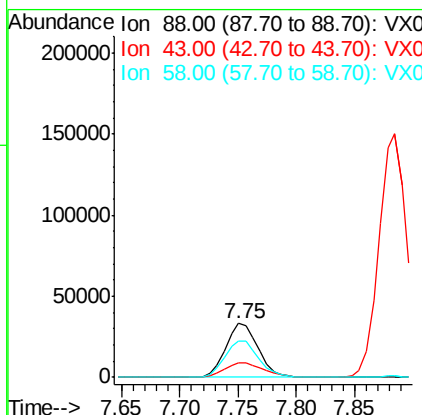
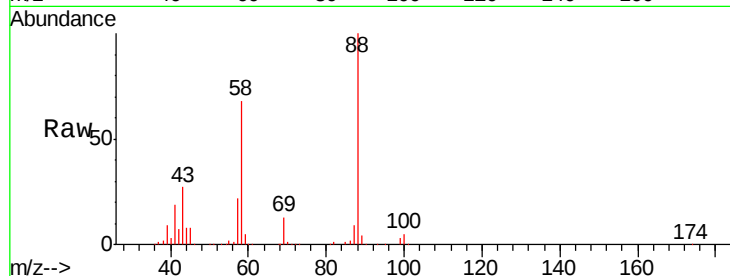
#49
1,4-Dioxane
Concen: 889.72 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.2	24.7	37.1
58	71.1	55.3	82.9

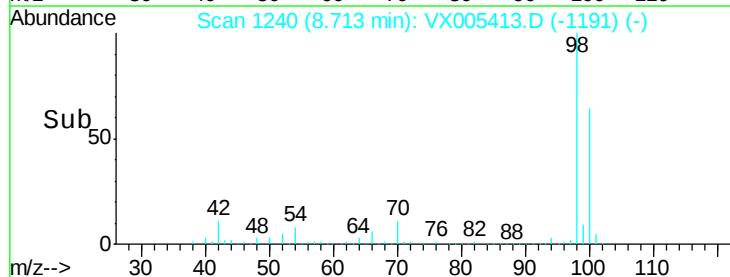
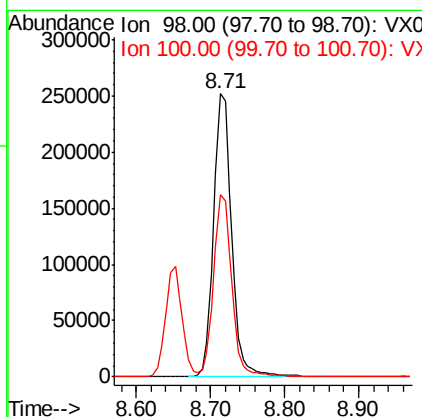
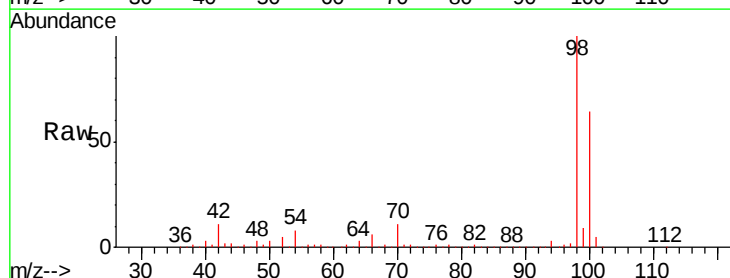
Manual Integrations
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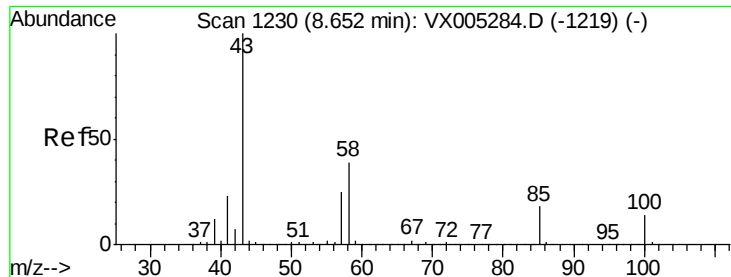
MMDadoda
10/19/2018 12:24:05 PM



#50
Toluene-d8
Concen: 50.64 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 256.78 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion: 43 Resp: 1074086

Ion Ratio Lower Upper

43 100

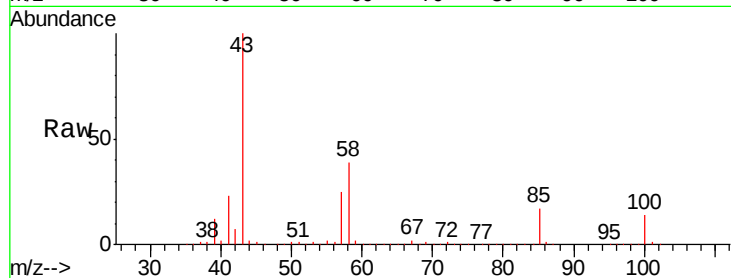
58 39.0 33.1 49.7

Manual Integrations

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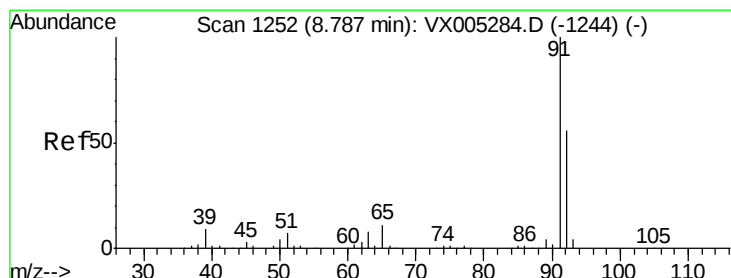
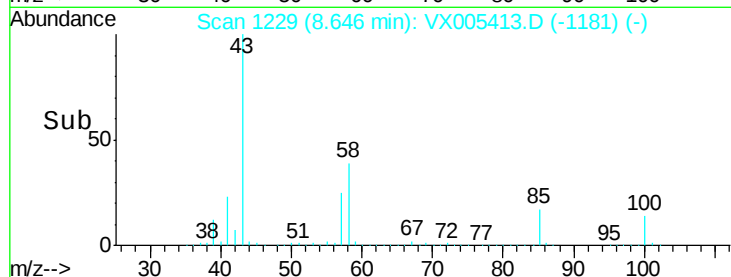
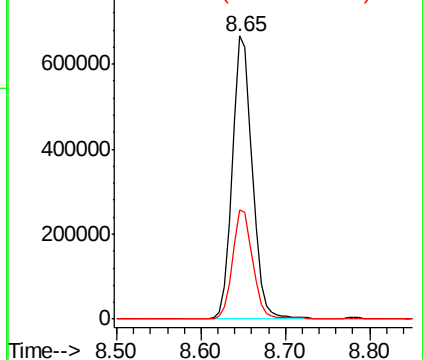
MMDadoda

10/19/2018 12:24:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.07 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005413.D

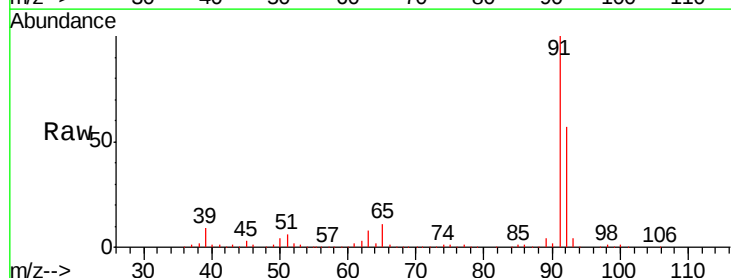
Acq: 18 Oct 2018 02:00

Tgt Ion: 92 Resp: 301367

Ion Ratio Lower Upper

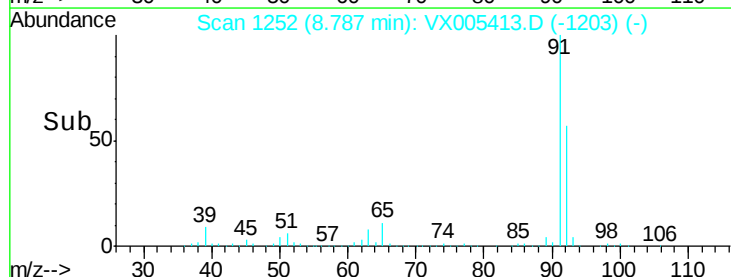
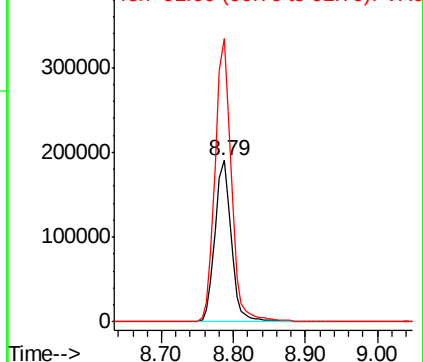
92 100

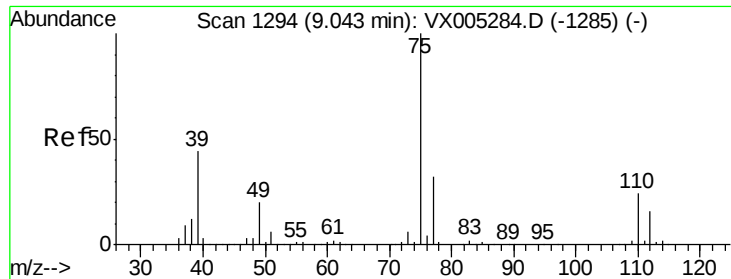
91 174.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





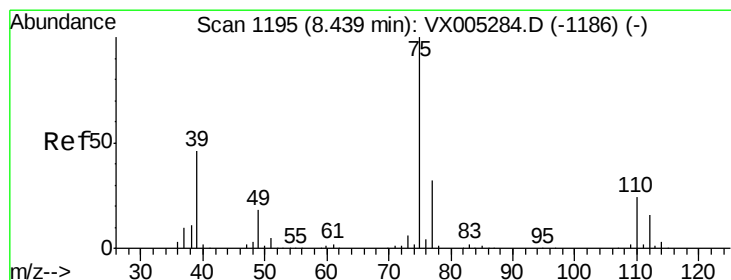
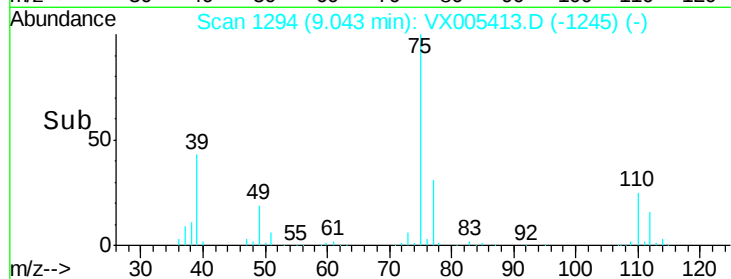
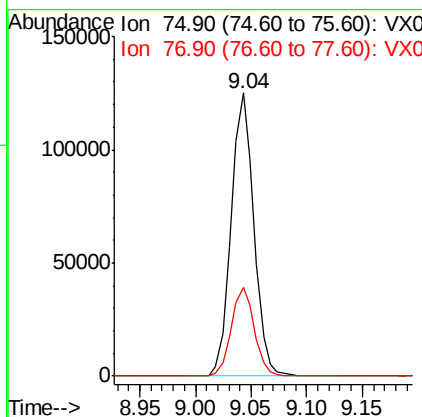
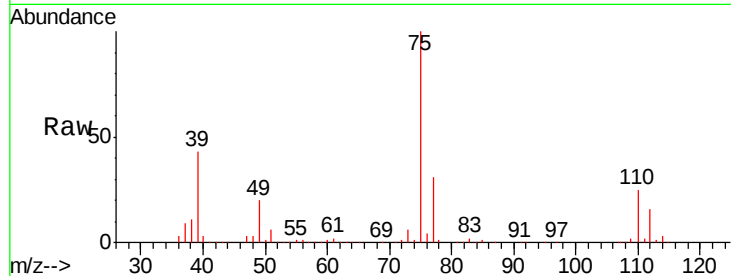
#53
 t-1,3-Dichloropropene
 Concen: 51.41 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tgt Ion: 75 Resp: 176255
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 37.0

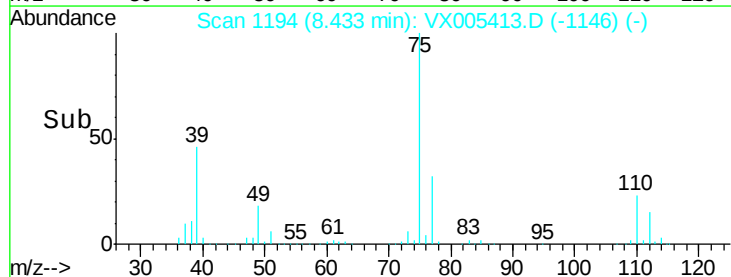
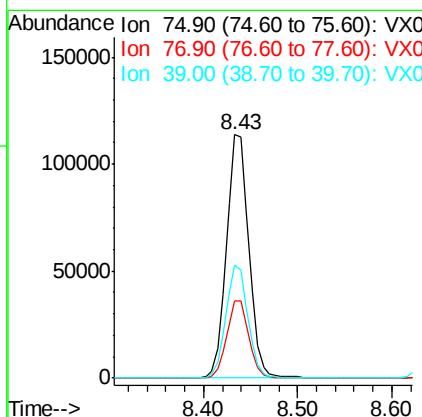
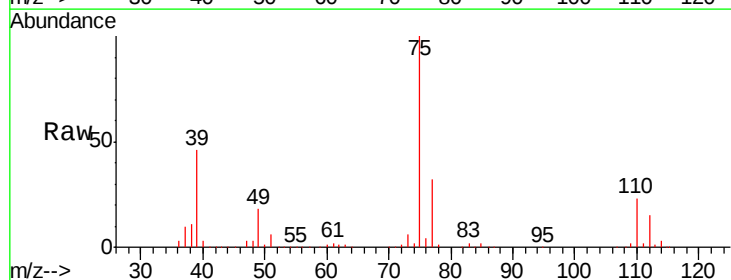
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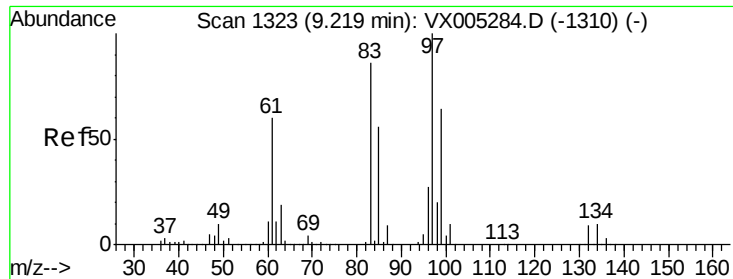
MMDadoda
 10/19/2018 12:24:05 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.32 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 75 Resp: 186936
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2
 39 46.3 36.4 54.6





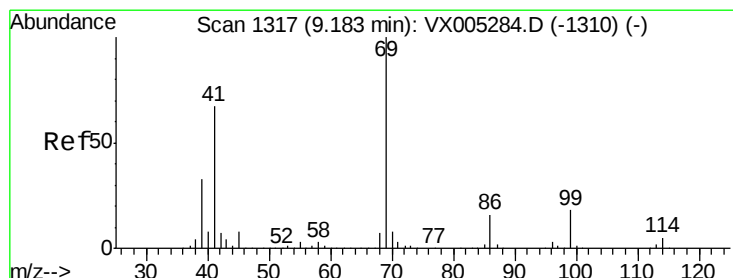
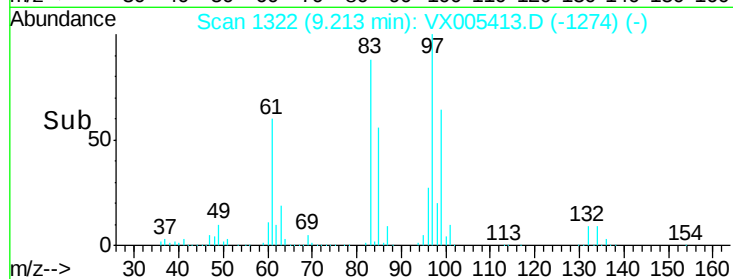
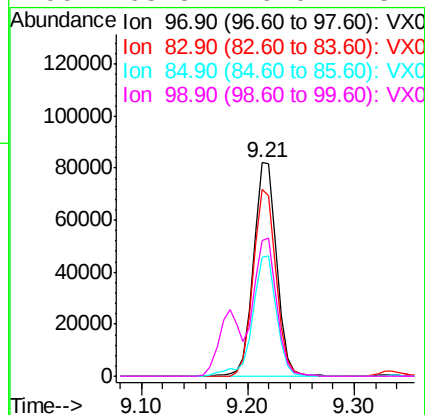
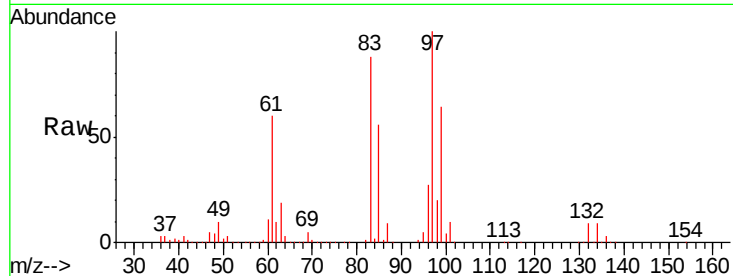
#55
 1,1,2-Trichloroethane
 Concen: 51.34 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	125850		
83	87.8	66.4	99.6	
85	56.0	43.3	64.9	
99	63.8	49.0	73.4	

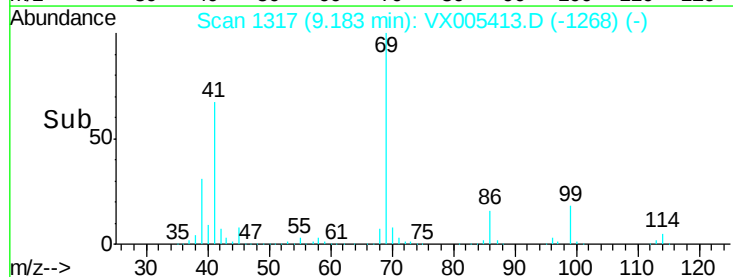
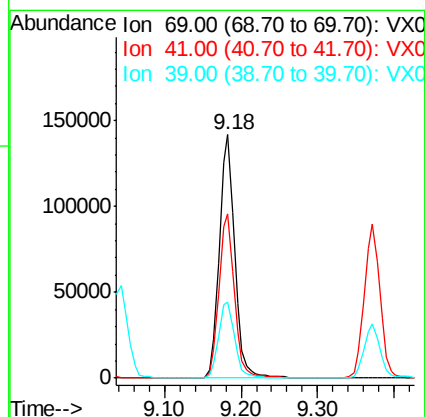
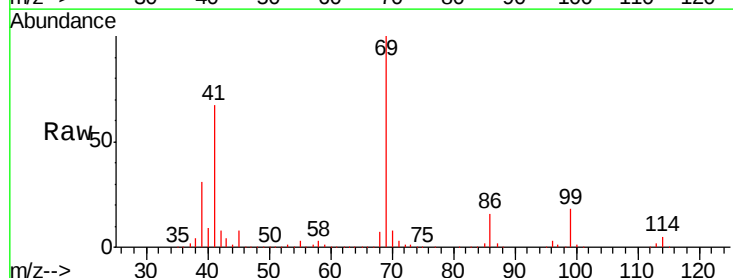
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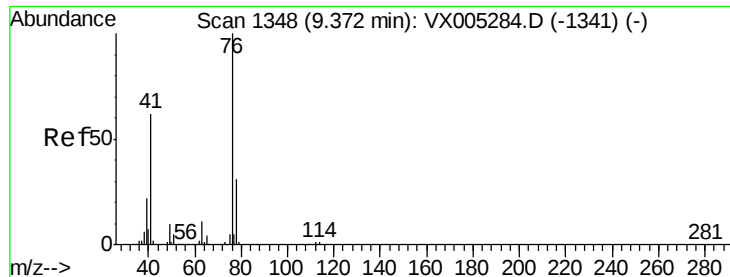
MMDadoda
 10/19/2018 12:24:05 PM



#56
 Ethyl methacrylate
 Concen: 55.41 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	197988		
41	67.7	51.0	76.4	
39	32.5	26.1	39.1	





#57

1,3-Dichloropropane

Concen: 51.31 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion: 76 Resp: 209930

Ion Ratio Lower Upper

76 100

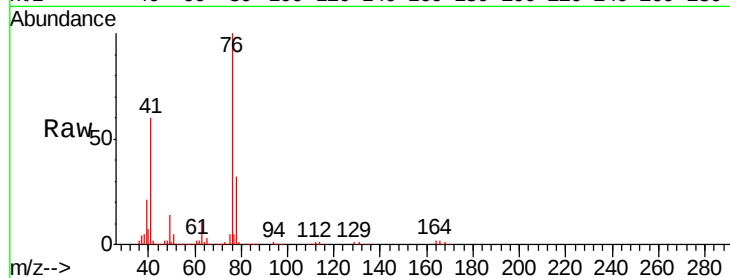
78 32.5 25.5 38.3

Manual Integrations

APPROVED

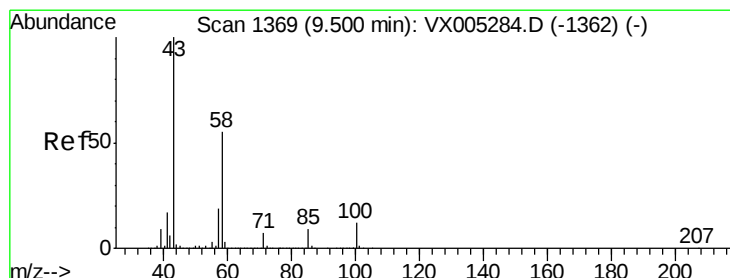
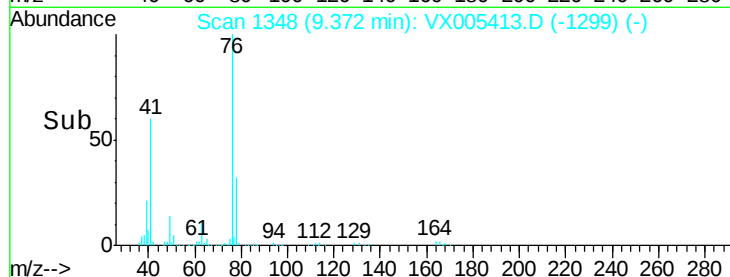
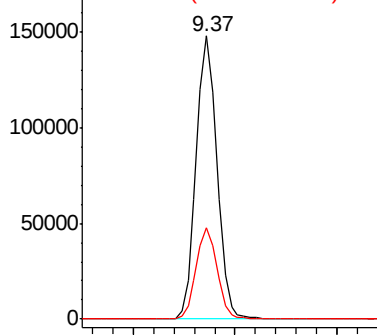
MMDadoda

10/19/2018 12:24:05 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 250.14 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VX005413.D

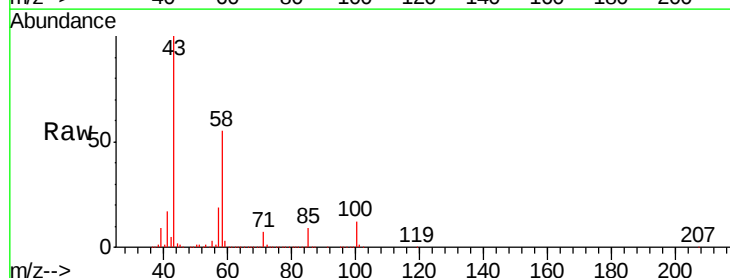
Acq: 18 Oct 2018 02:00

Tgt Ion: 43 Resp: 841666

Ion Ratio Lower Upper

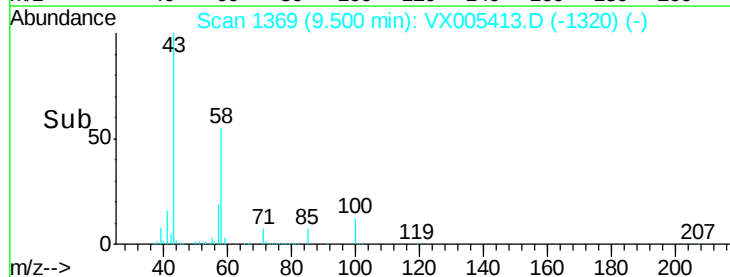
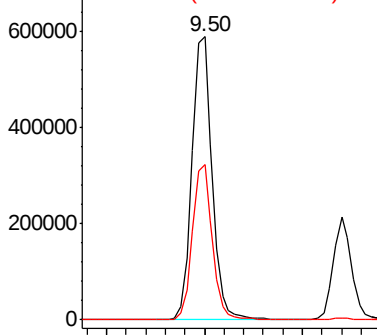
43 100

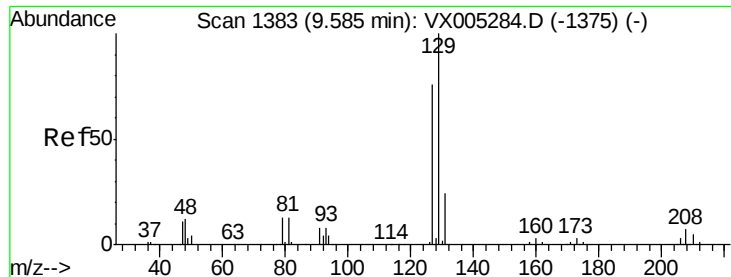
58 54.3 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





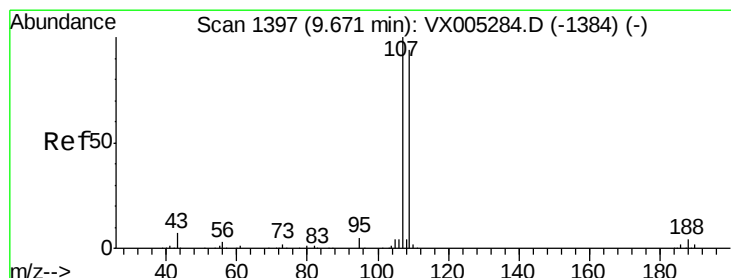
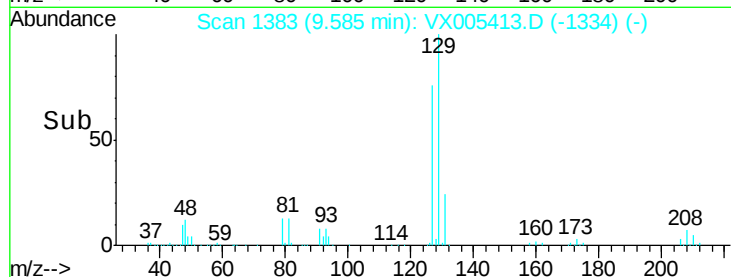
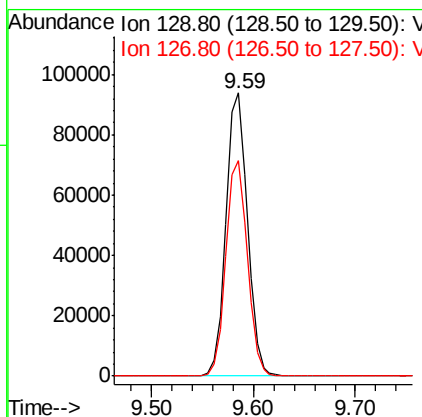
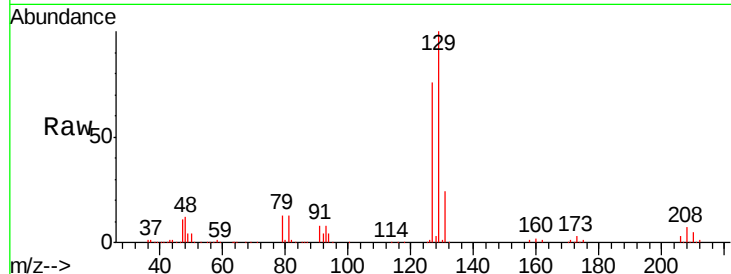
#60
Dibromochloromethane
Concen: 53.81 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion:129 Resp: 136337
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5

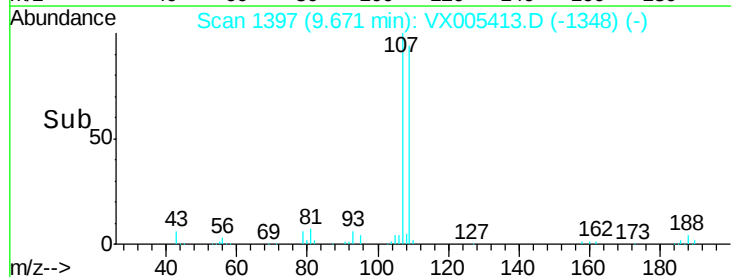
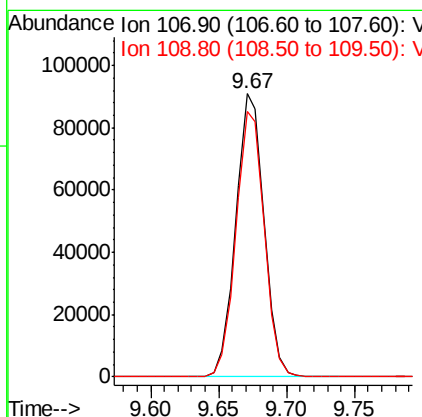
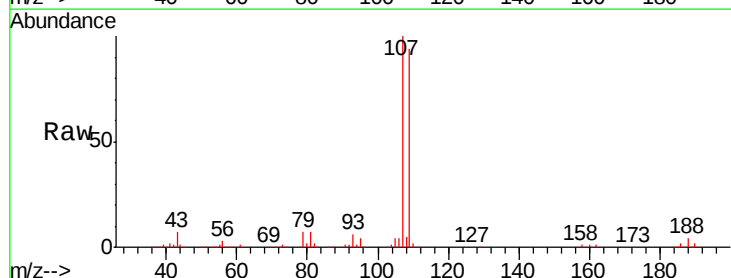
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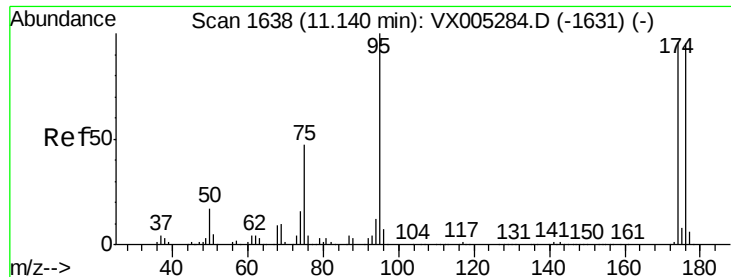
MMDadoda
10/19/2018 12:24:05 PM



#61
1,2-Dibromoethane
Concen: 50.92 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion:107 Resp: 130997
Ion Ratio Lower Upper
107 100
109 94.3 76.0 114.0





#62

4-Bromofluorobenzene

Concen: 51.29 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

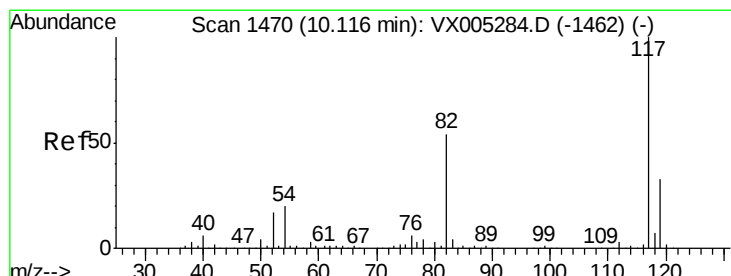
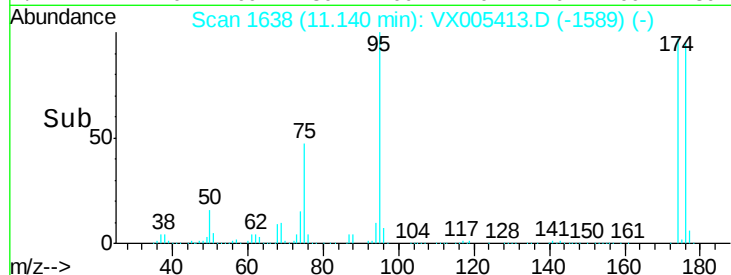
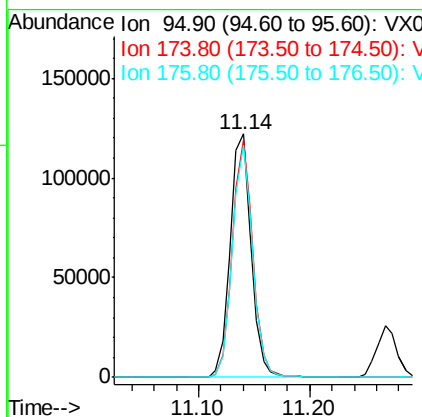
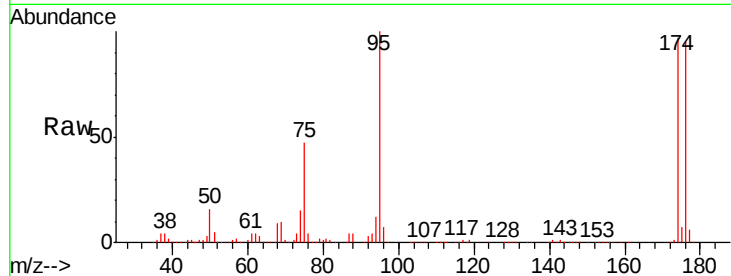
ClientSampleId :

RLF-SW-5MS

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	159505		
174	94.9	0.0	185.2	
176	92.3	0.0	178.6	

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

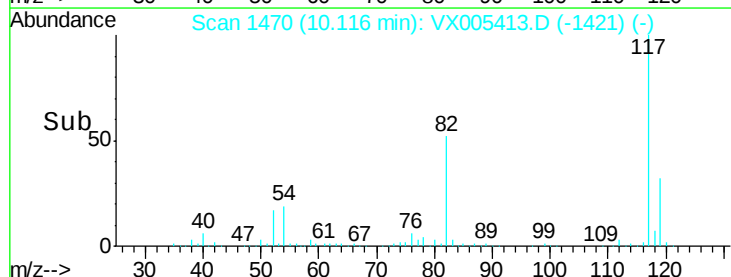
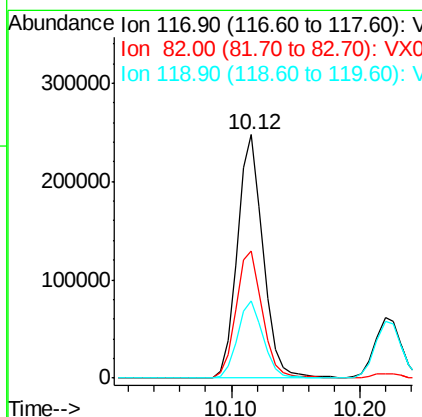
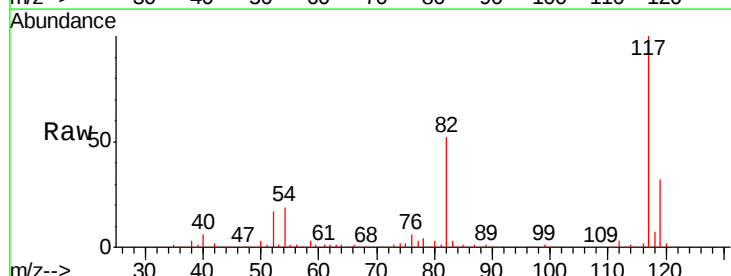
RT: 10.12 min Scan# 1470

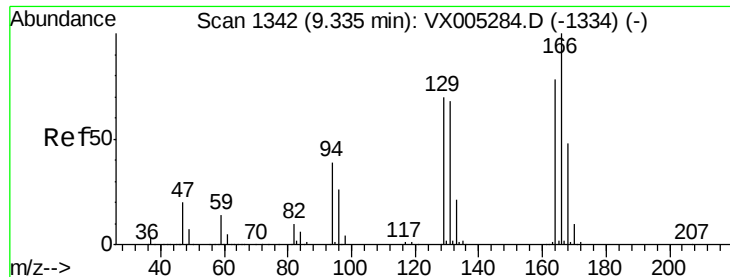
Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	343861		
82	52.3	47.8	71.6	
119	31.9	29.3	43.9	





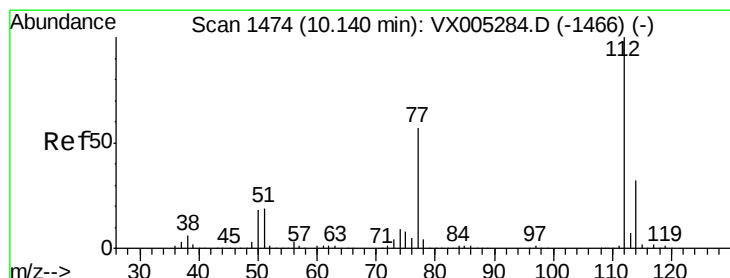
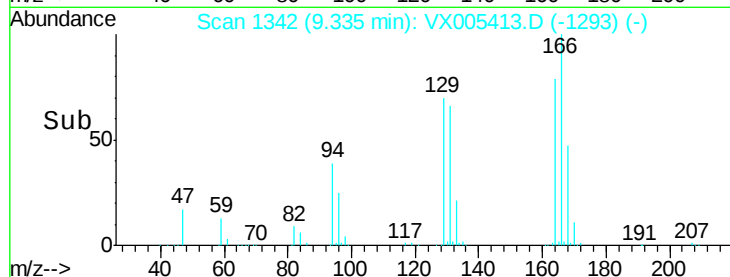
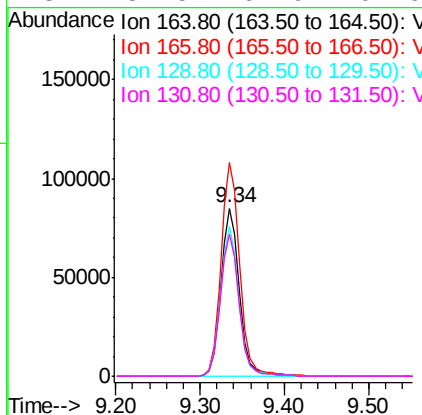
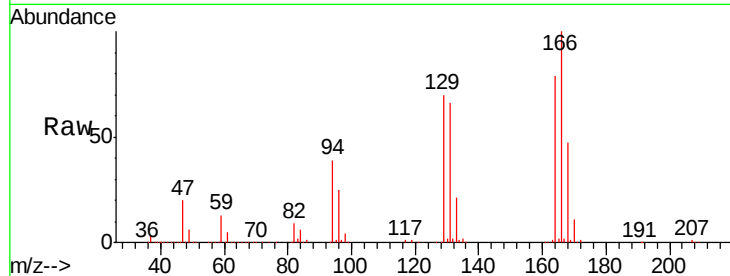
#64
 Tetrachloroethene
 Concen: 46.49 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.4	128689	102.8	154.2
129	89.0		69.4	104.0
131	84.5		67.9	101.9

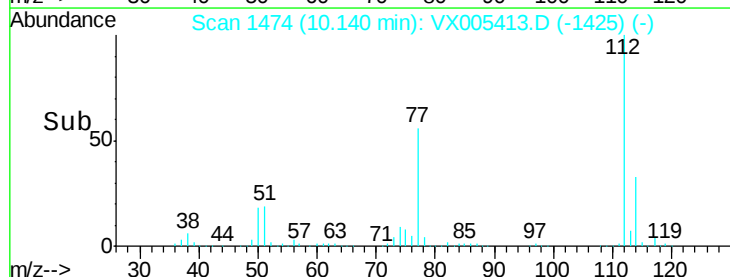
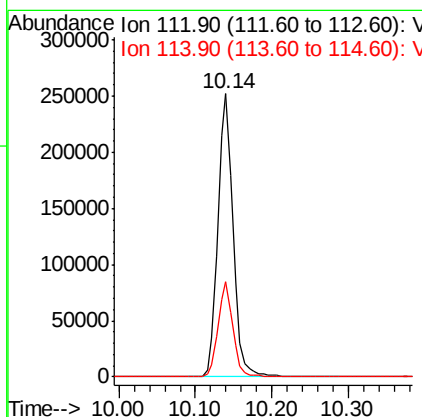
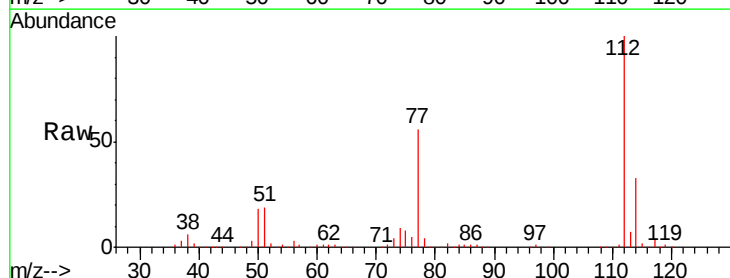
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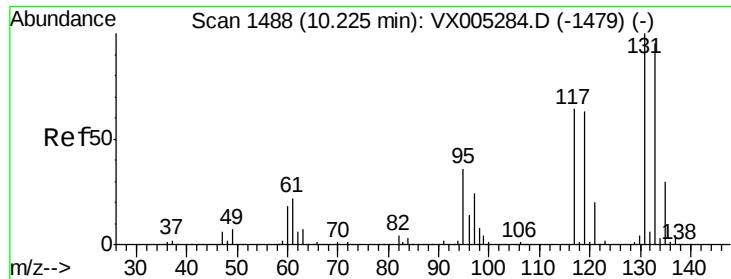
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#65
 Chlorobenzene
 Concen: 47.35 ug/l
 RT: 10.14 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	346314		
114	33.4		27.8	41.8





#66

1,1,1,2-Tetrachloroethane

Concen: 49.24 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

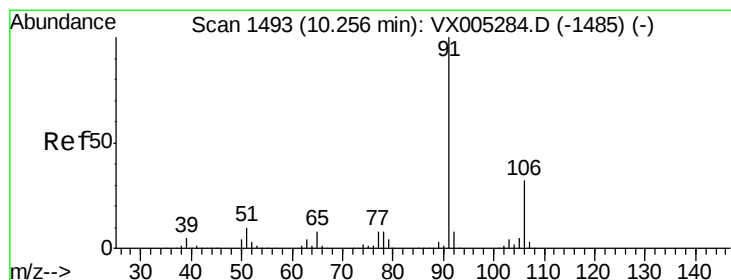
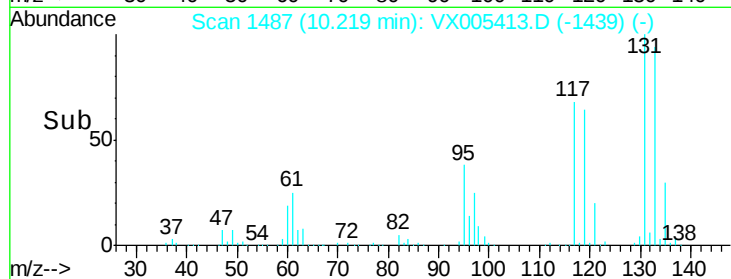
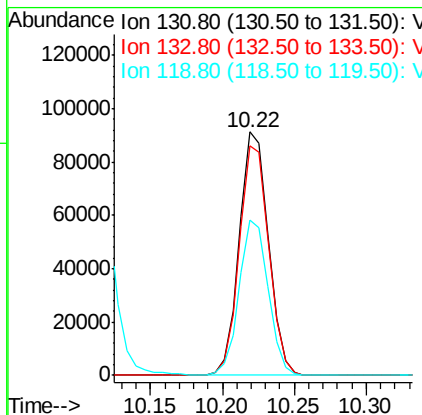
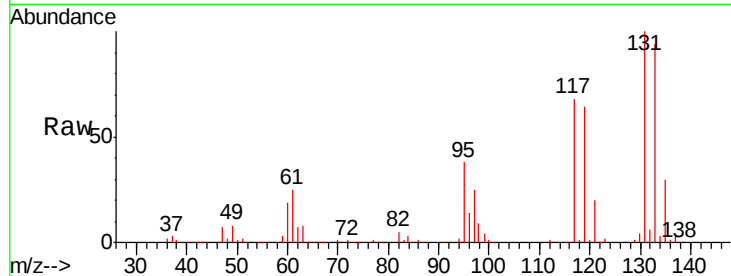
ClientSampleId :

RLF-SW-5MS

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	128346		
133	95.3	48.1	144.4	
119	63.8	32.9	98.6	

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.20 ug/l

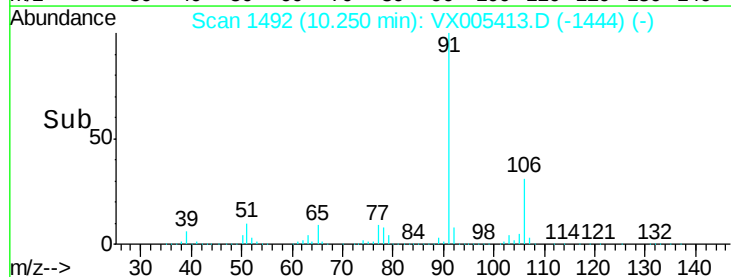
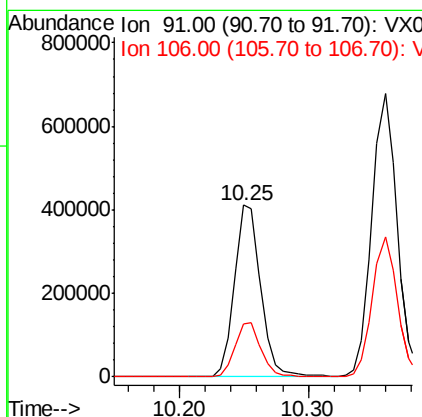
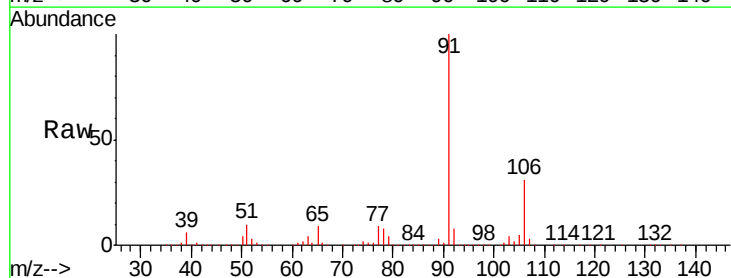
RT: 10.25 min Scan# 1492

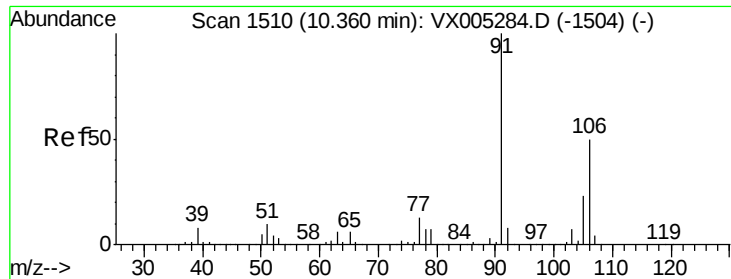
Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	585025		
106	31.0	25.9	38.9	





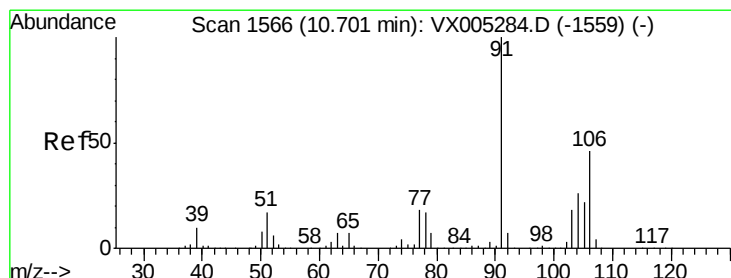
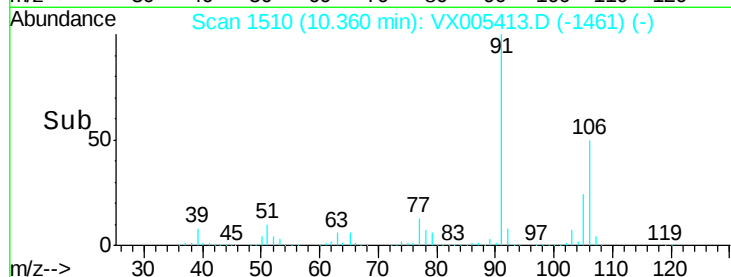
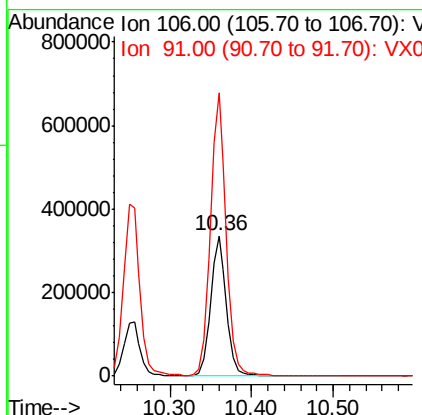
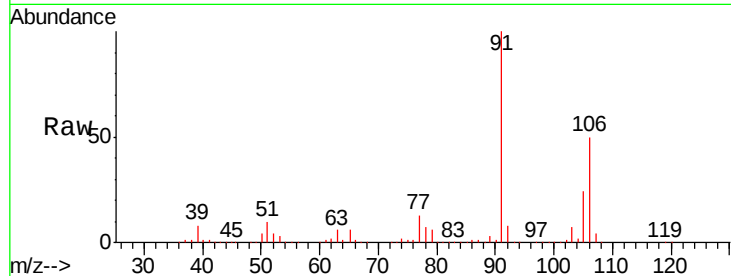
#68
m/p-Xylenes
Concen: 98.98 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion:106 Resp: 456792
Ion Ratio Lower Upper
106 100
91 202.9 157.1 235.7

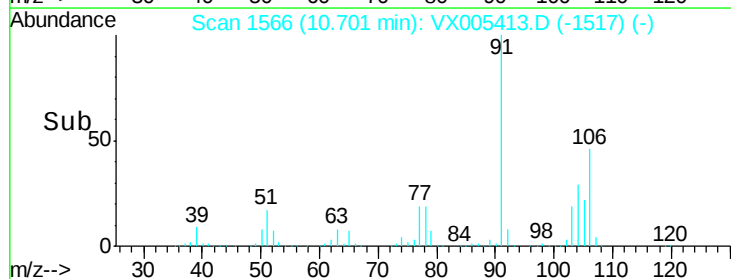
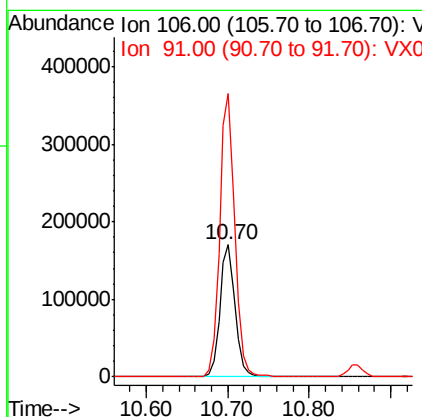
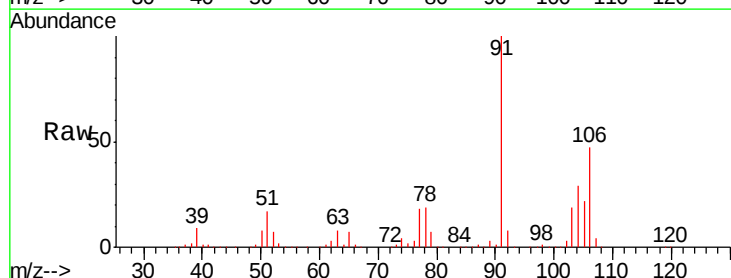
Manual Integrations
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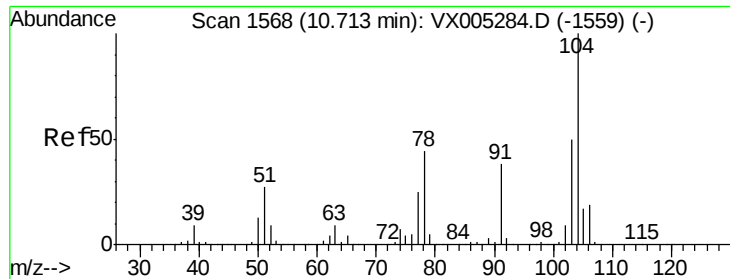
MMDadoda
10/19/2018 12:24:05 PM



#69
o-Xylene
Concen: 49.65 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion:106 Resp: 221013
Ion Ratio Lower Upper
106 100
91 214.5 105.1 315.1





#70

Styrene

Concen: 50.56 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion:104 Resp: 370169

Ion Ratio Lower Upper

104 100

78 49.7 37.4 56.0

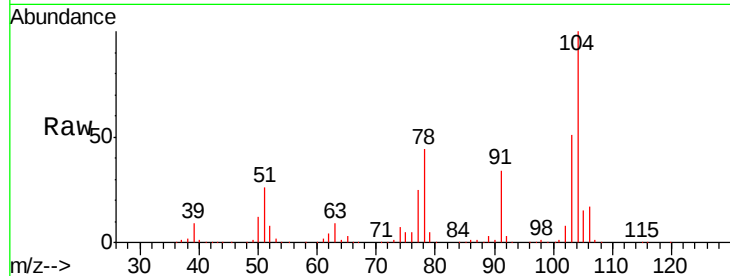
103 55.4 43.8 65.6

Manual Integrations

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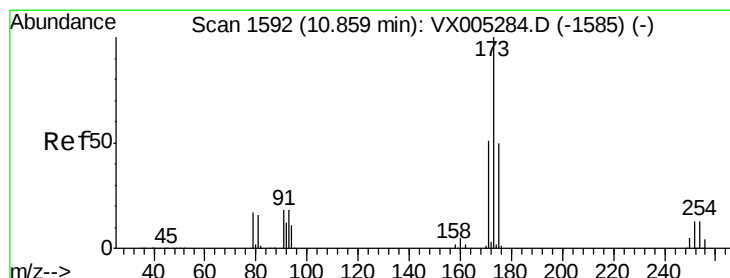
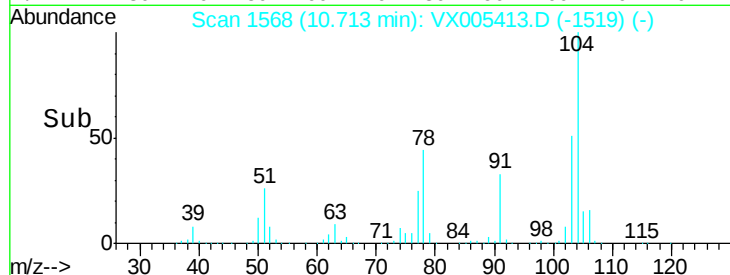
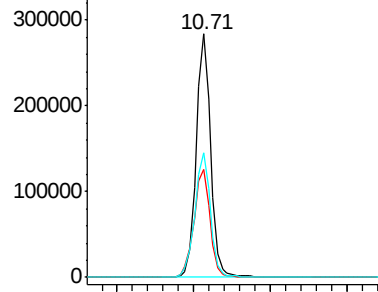
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 49.51 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

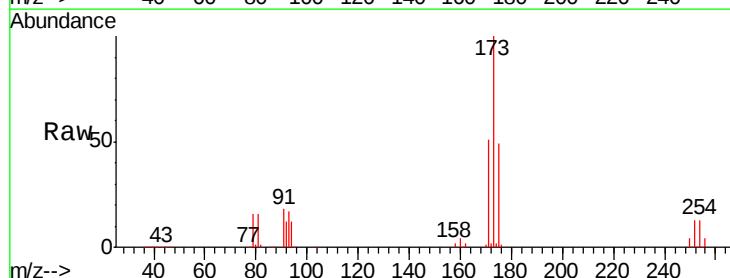
Tgt Ion:173 Resp: 115333

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

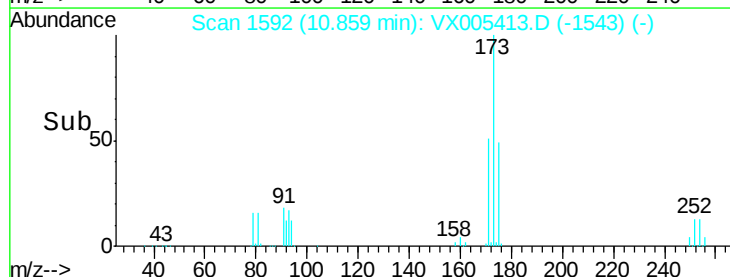
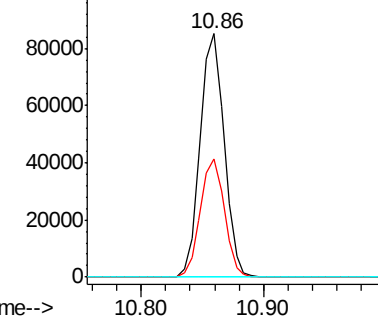
254 0.2 0.2 0.2

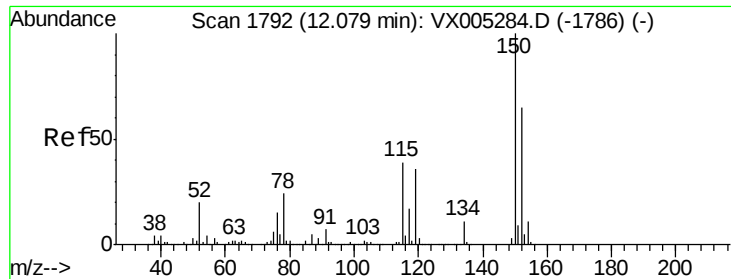


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5MS

Tgt Ion:152 Resp: 194290

Ion Ratio Lower Upper

152 100

115 76.7 39.0 117.0

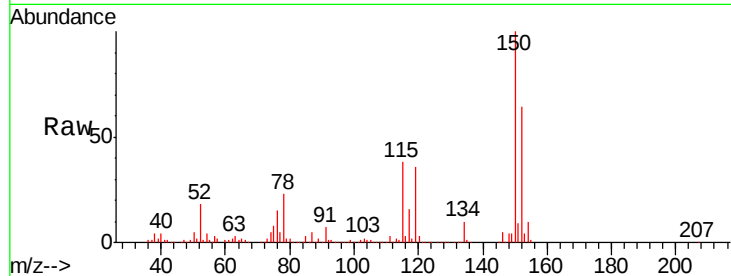
150 172.2 0.0 351.0

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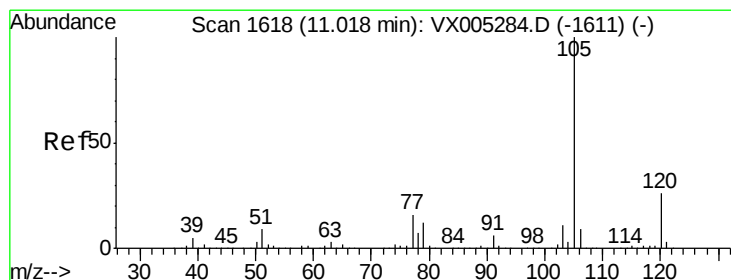
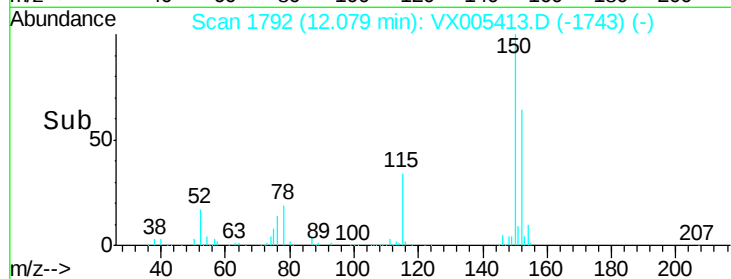
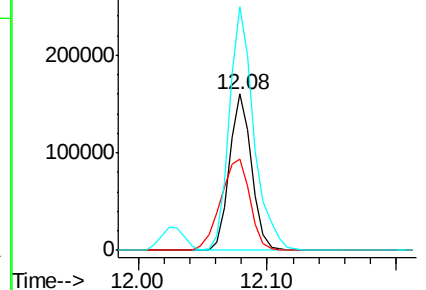
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 51.99 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005413.D

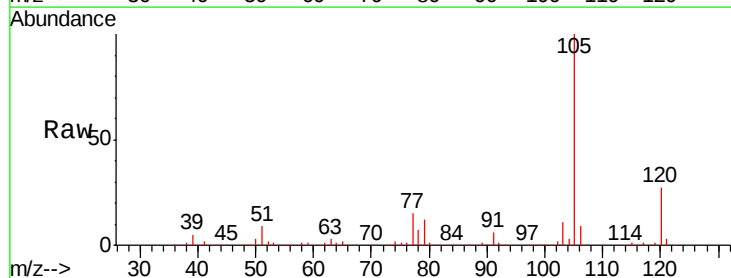
Acq: 18 Oct 2018 02:00

Tgt Ion:105 Resp: 600483

Ion Ratio Lower Upper

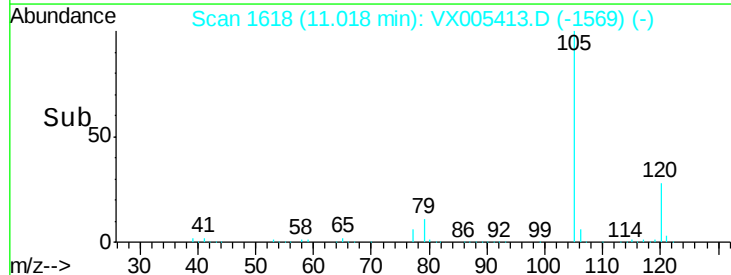
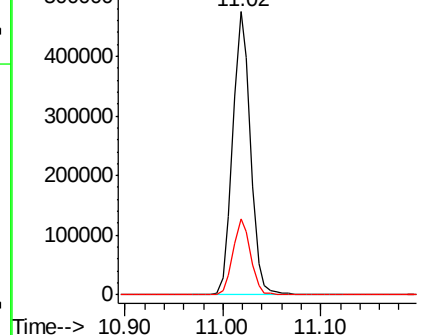
105 100

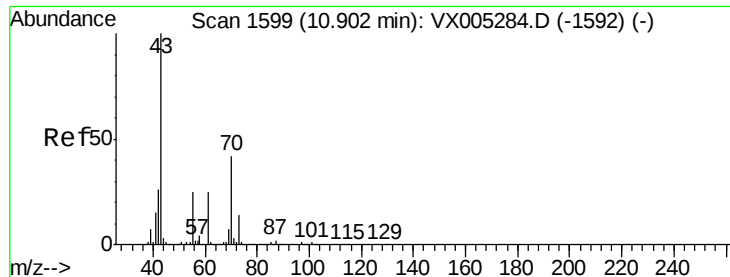
120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 49.50 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

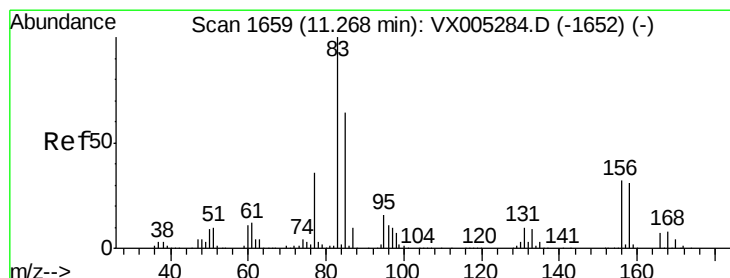
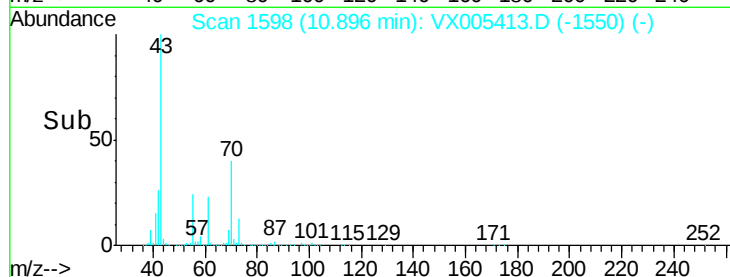
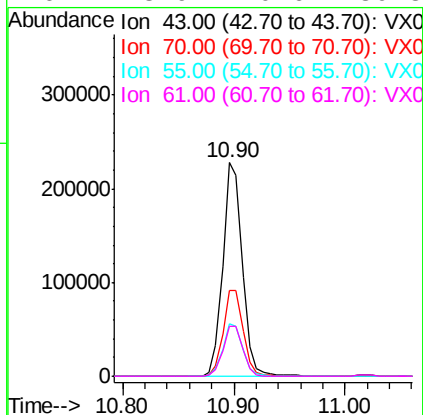
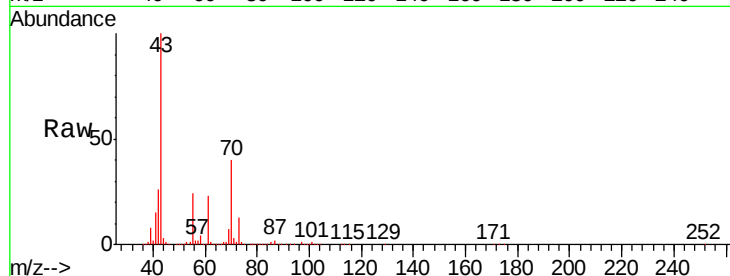
ClientSampleId :

RLF-SW-5MS

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.6	37.4	56.0
55	24.9	21.8	32.8
61	23.9	20.6	30.8

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#75

1,1,2,2-Tetrachloroethane

Concen: 47.93 ug/l

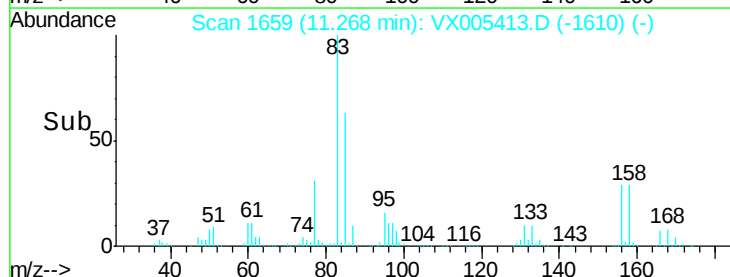
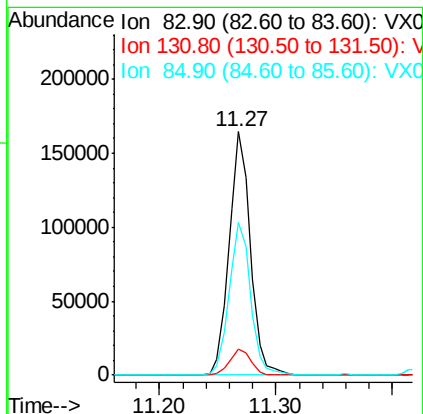
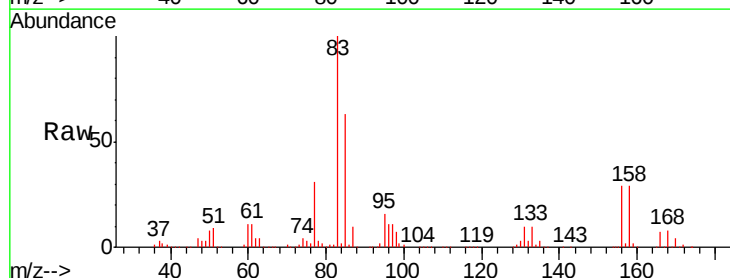
RT: 11.27 min Scan# 1659

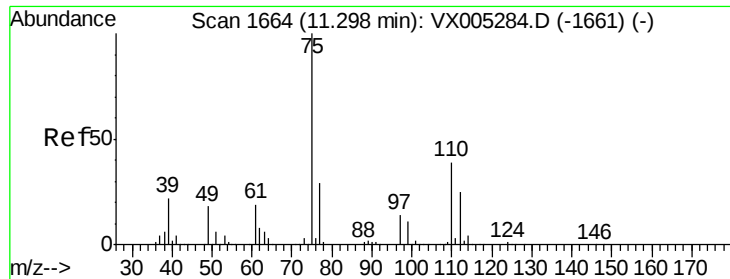
Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	63.8	32.3	96.8





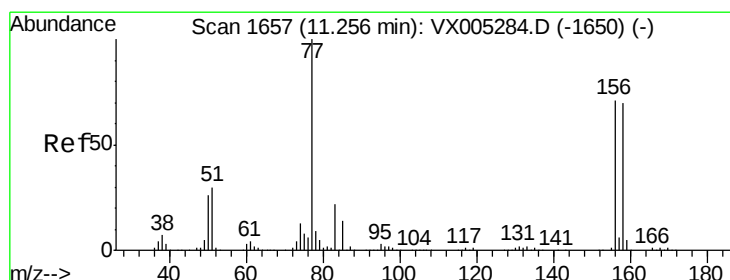
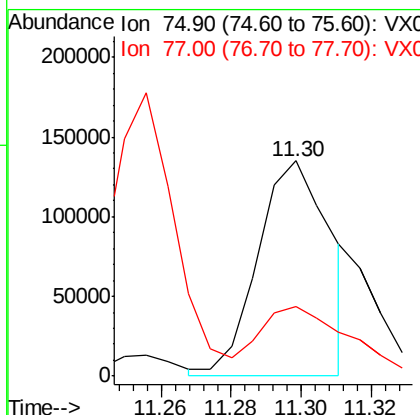
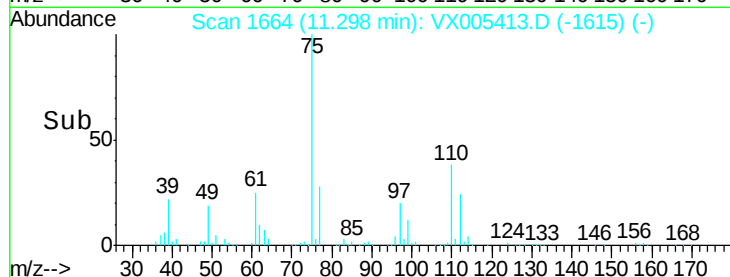
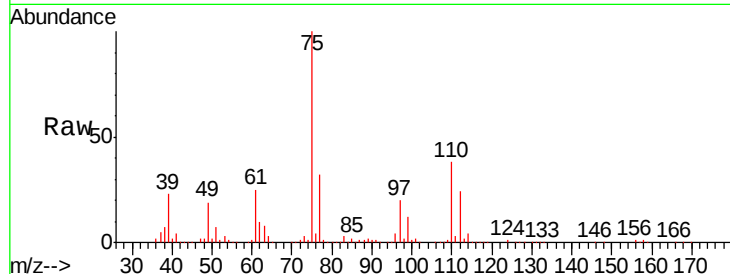
#76
1,2,3-Trichloropropane
Concen: 51.33 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion: 75 Resp: 193451
Ion Ratio Lower Upper
75 100
77 39.9 20.2 60.6

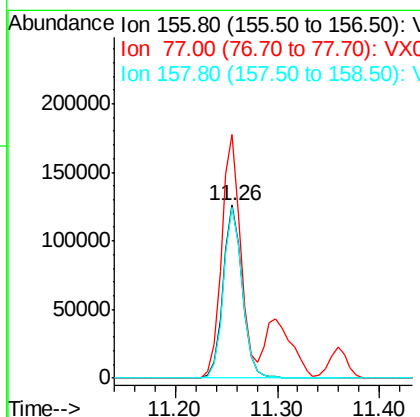
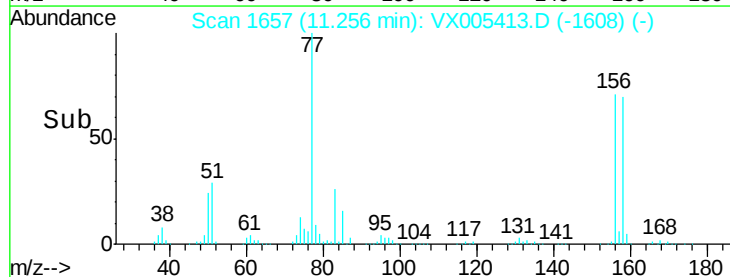
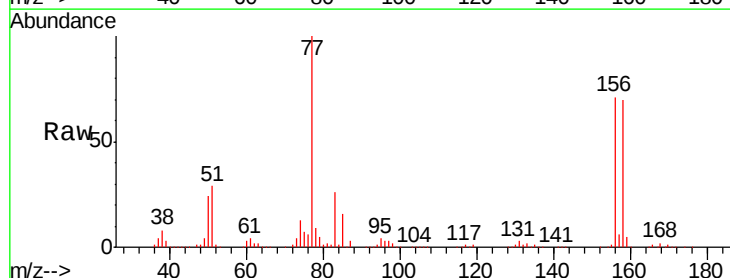
Manual Integrations
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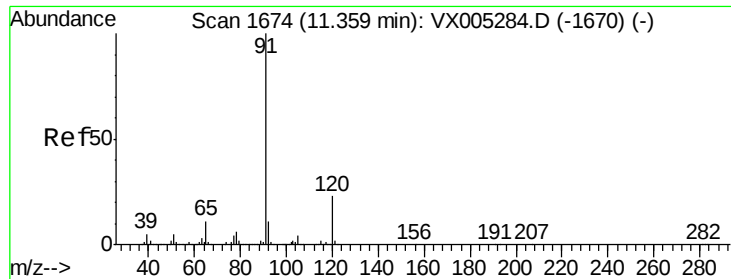
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10/19/2018 12:24:05 PM



#77
Bromobenzene
Concen: 49.74 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion: 156 Resp: 164277
Ion Ratio Lower Upper
156 100
77 141.3 71.5 214.3
158 97.6 48.9 146.8





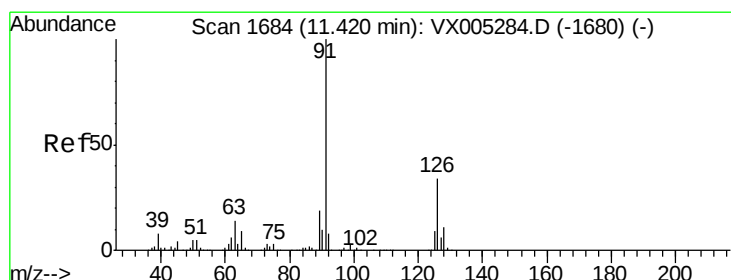
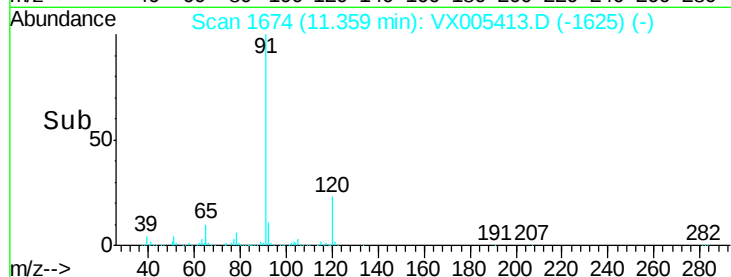
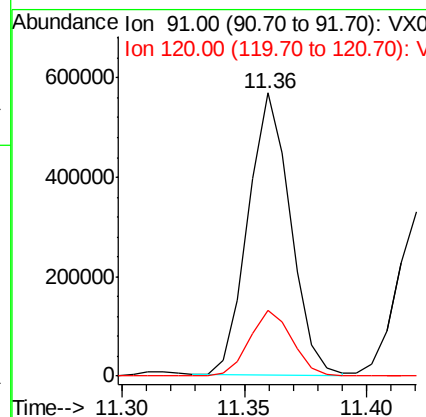
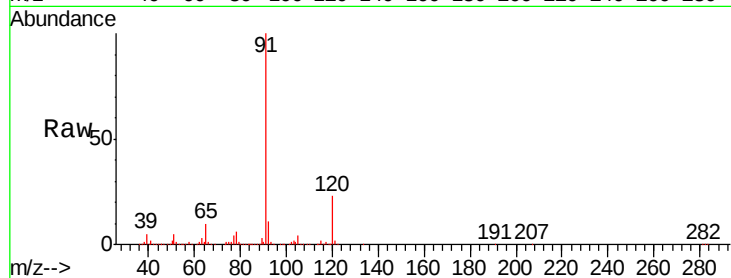
#78
n-propylbenzene
Concen: 51.58 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion: 91 Resp: 685615
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.9

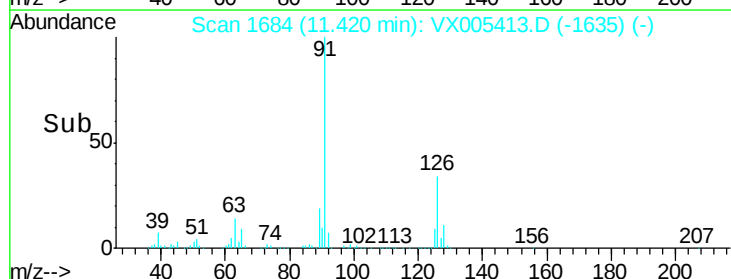
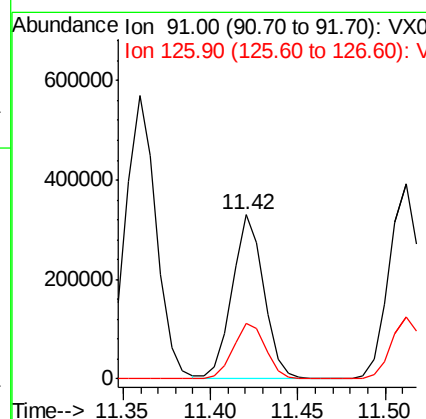
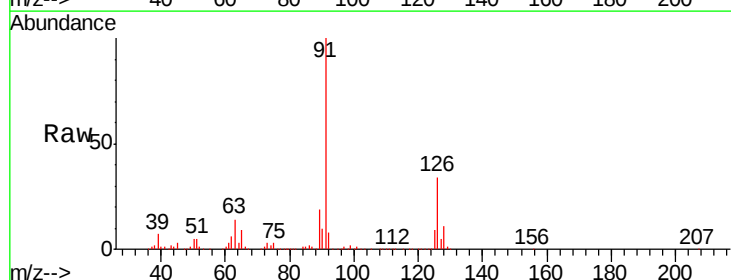
Manual Integrations
APPROVED

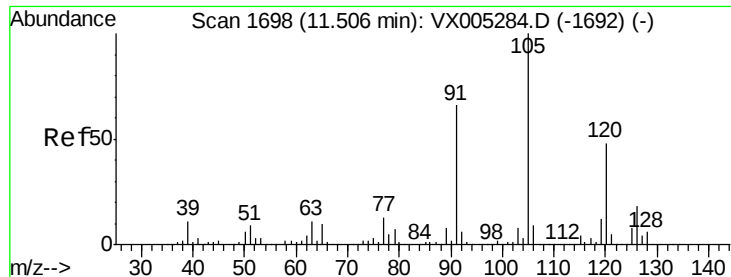
MMDadoda
10/19/2018 12:24:05 PM



#79
2-Chlorotoluene
Concen: 50.38 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion: 91 Resp: 410104
Ion Ratio Lower Upper
91 100
126 35.3 17.9 53.7





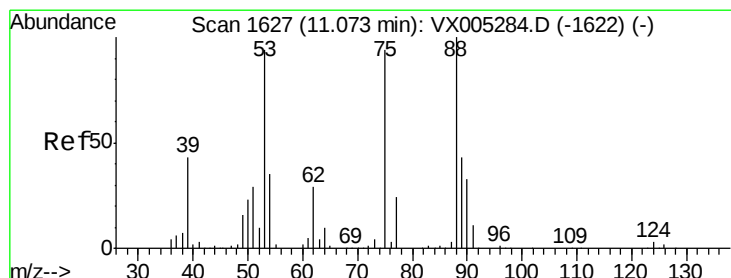
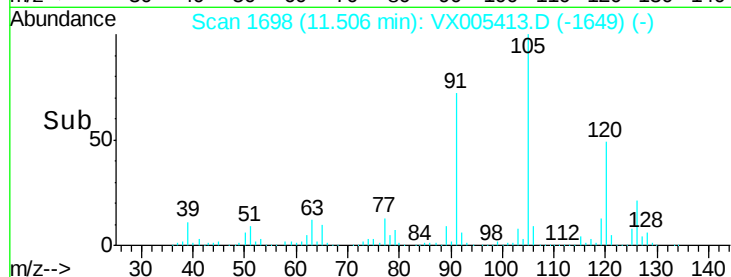
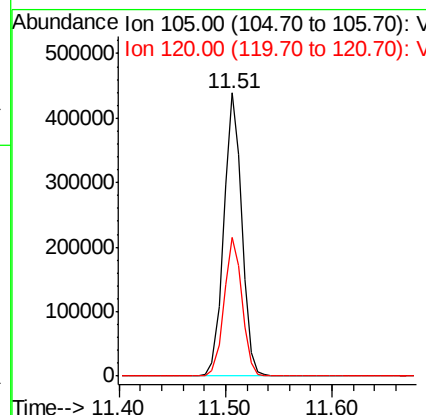
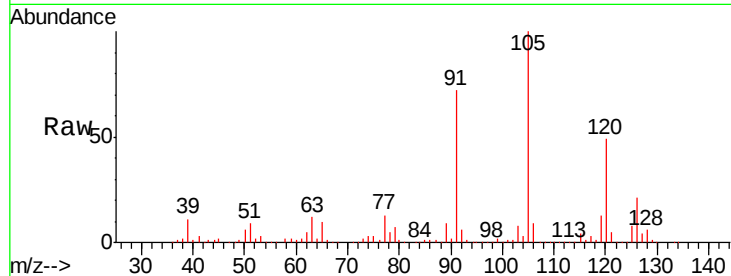
#80
 1,3,5-Trimethylbenzene
 Concen: 52.12 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tgt Ion: 105 Resp: 515505
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.6 76.8

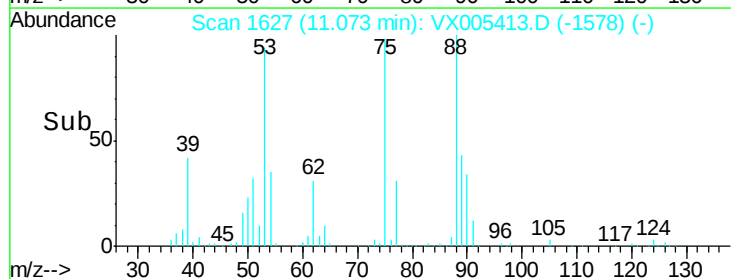
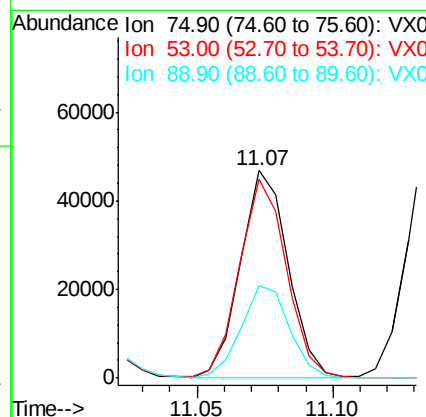
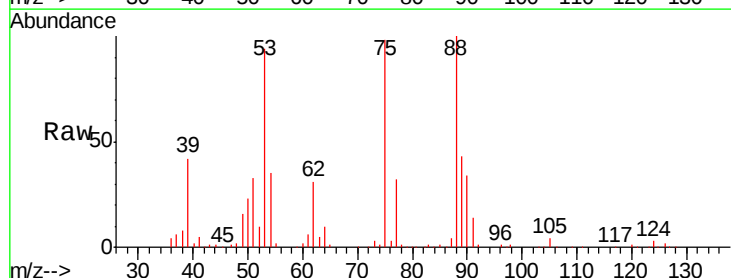
Manual Integrations
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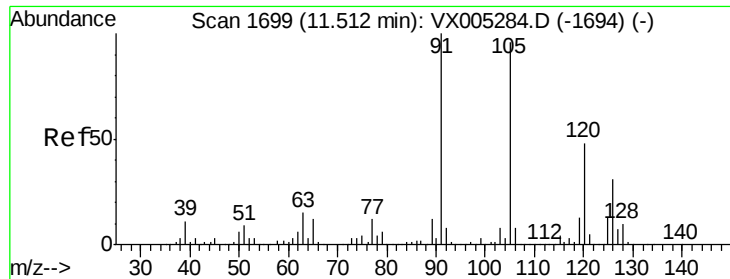
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.51 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion: 75 Resp: 56450
 Ion Ratio Lower Upper
 75 100
 53 95.6 80.1 120.1
 89 45.9 37.2 55.8





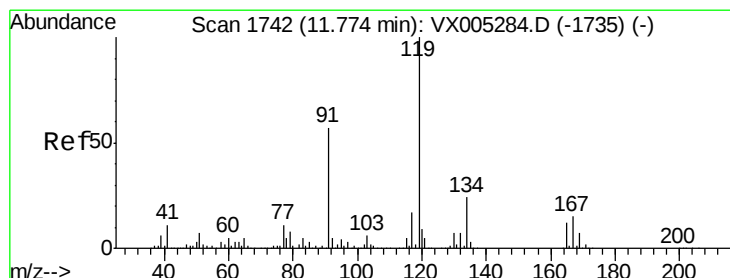
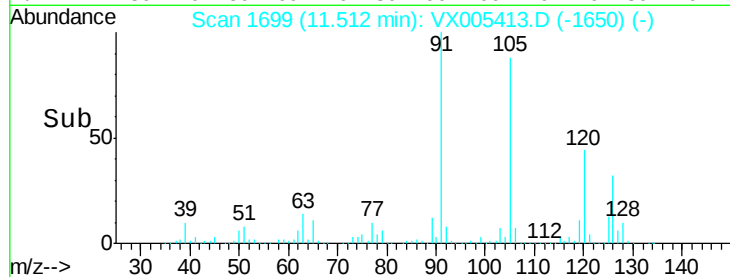
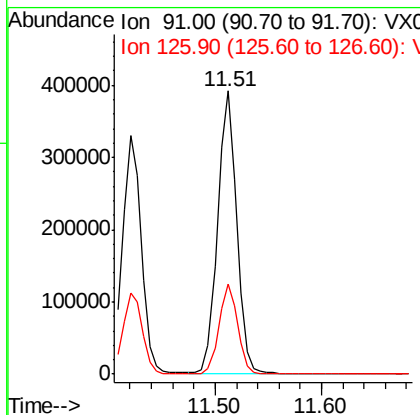
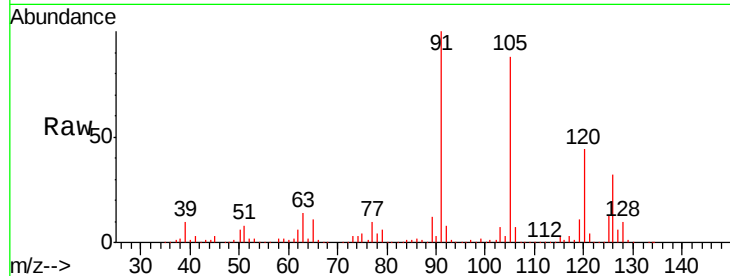
#82
4-Chlorotoluene
Concen: 50.62 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion: 91 Resp: 488416
Ion Ratio Lower Upper
91 100
126 31.3 15.5 46.5

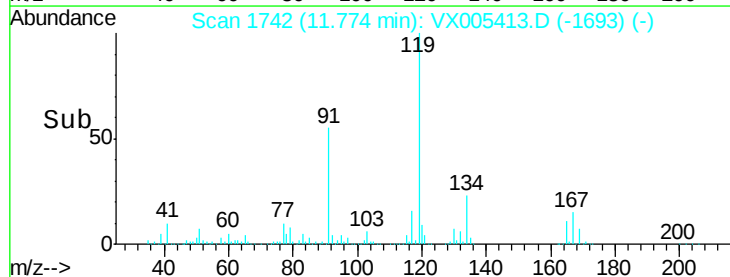
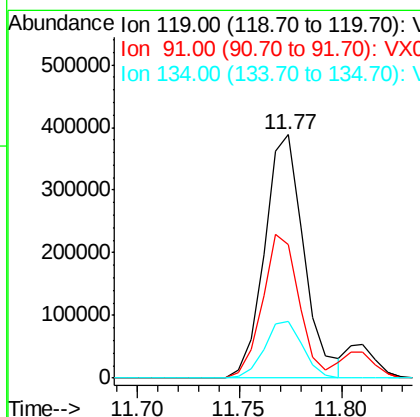
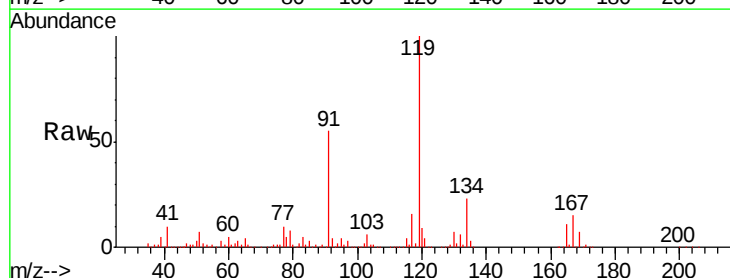
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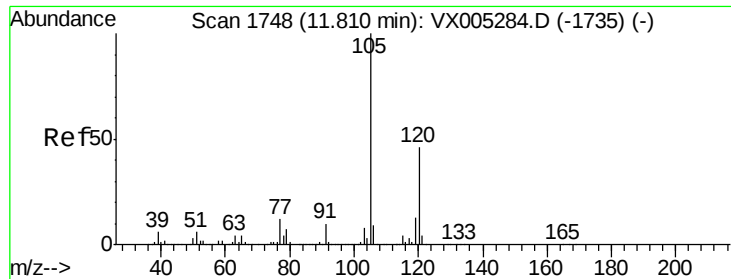
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#83
tert-Butylbenzene
Concen: 52.17 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion: 119 Resp: 522500
Ion Ratio Lower Upper
119 100
91 55.1 27.0 81.0
134 22.8 11.7 35.1





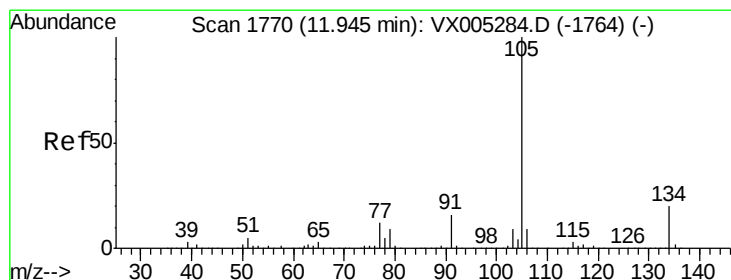
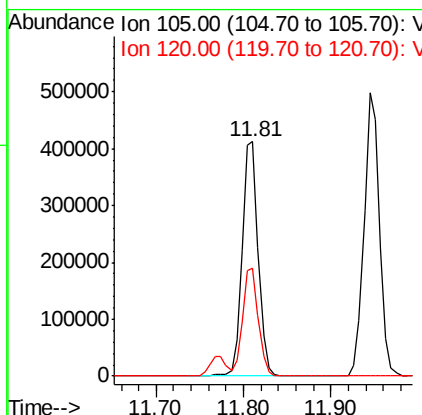
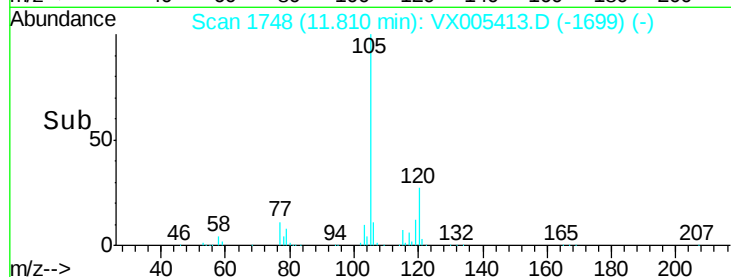
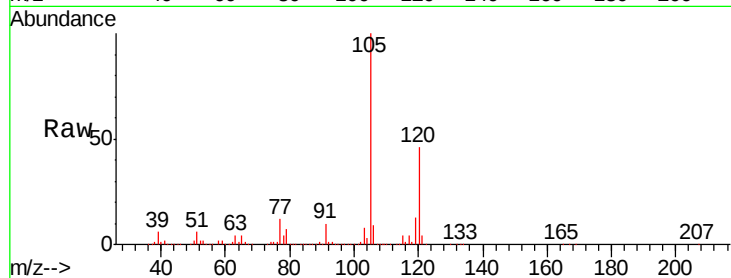
#84
 1,2,4-Trimethylbenzene
 Concen: 51.88 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tgt Ion:105 Resp: 528053
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.2 69.6

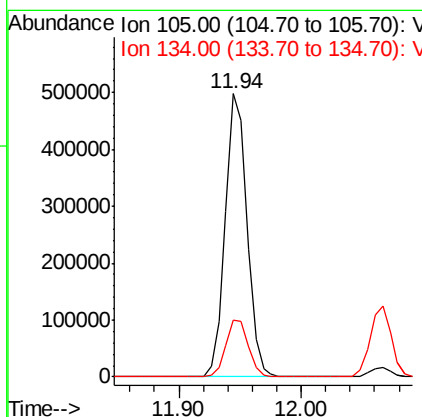
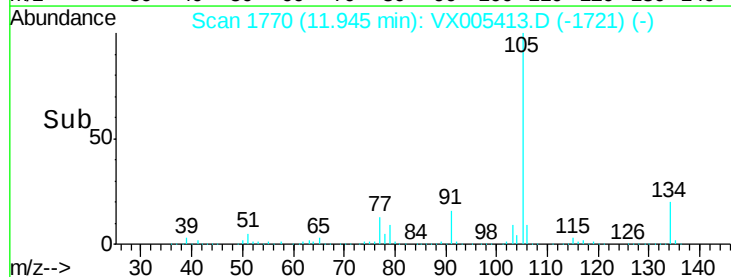
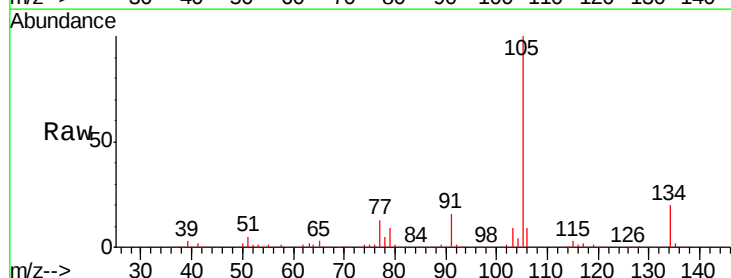
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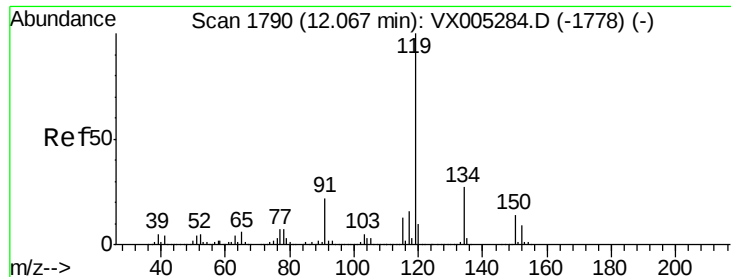
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#85
 sec-Butylbenzene
 Concen: 51.66 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion:105 Resp: 612337
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.5





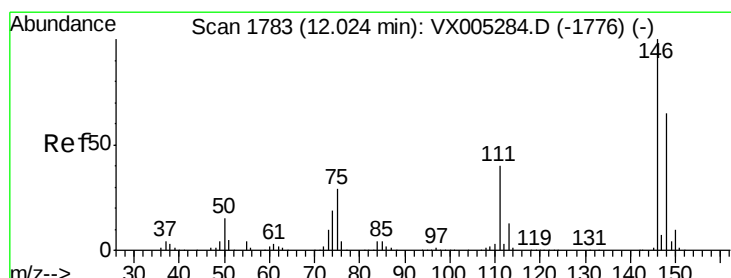
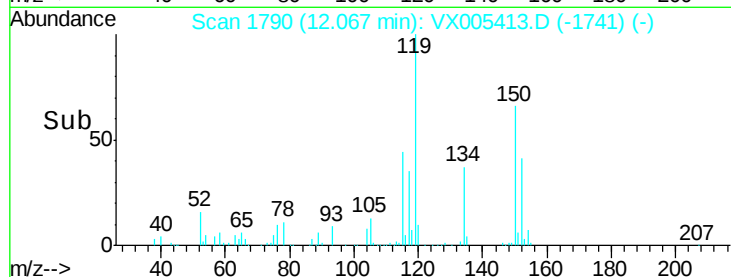
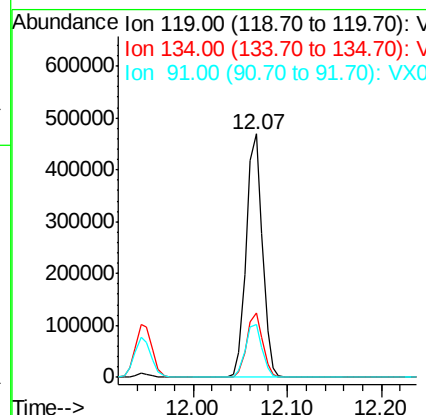
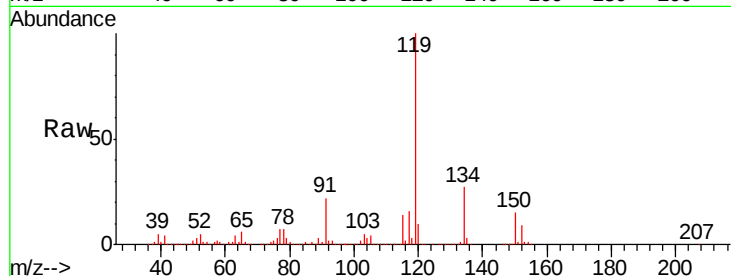
#86
 p-Isopropyltoluene
 Concen: 52.52 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	562627		
134	26.3	13.4	40.2	
91	22.3	10.9	32.7	

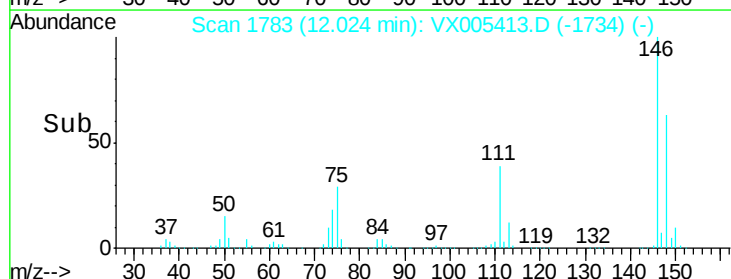
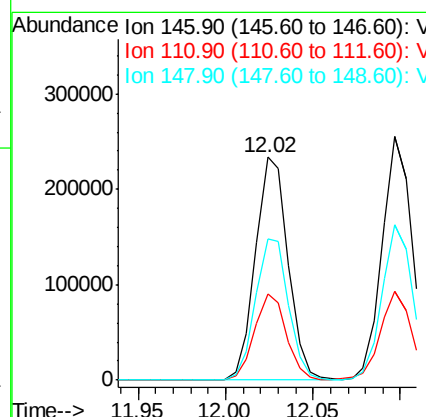
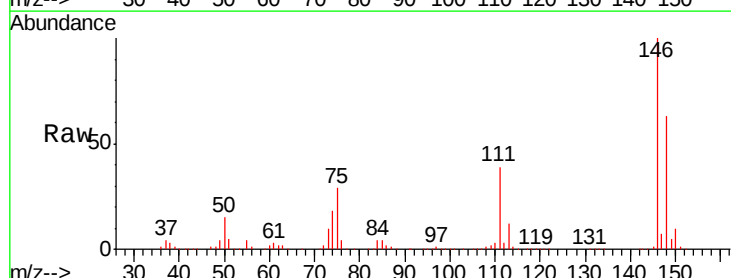
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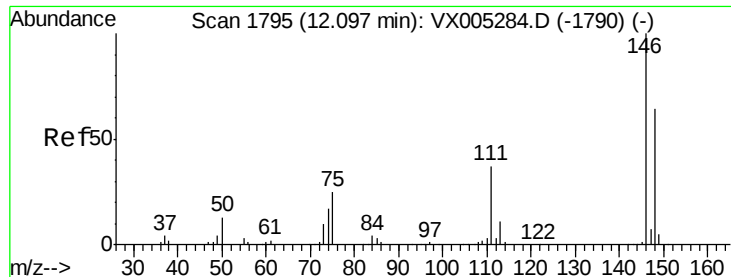
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#87
 1,3-Dichlorobenzene
 Concen: 49.22 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	303761		
111	37.7	18.7	56.1	
148	64.2	32.1	96.5	





#88

1,4-Dichlorobenzene

Concen: 48.63 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

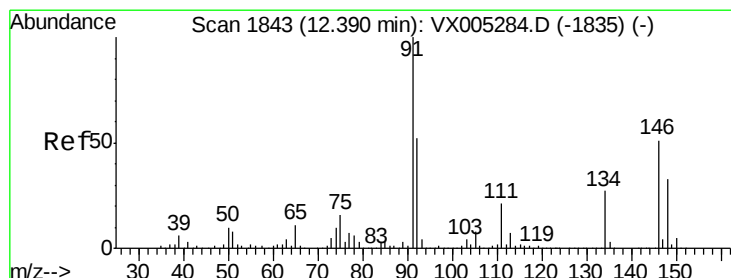
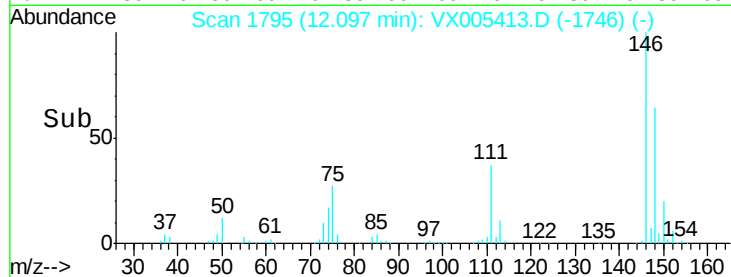
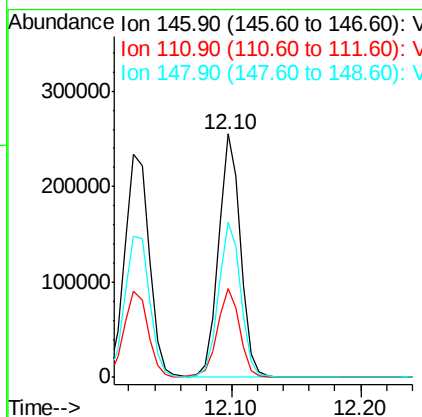
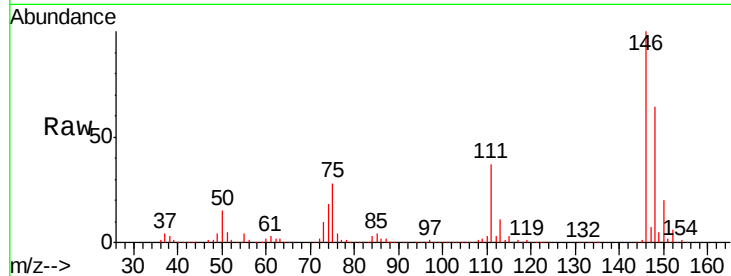
ClientSampleId :

RLF-SW-5MS

Tgt Ion:	146	Resp:	307017
Ion Ratio		Lower	Upper
146	100		
111	36.9	18.1	54.1
148	64.6	32.0	96.0

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#89

n-Butylbenzene

Concen: 49.97 ug/l

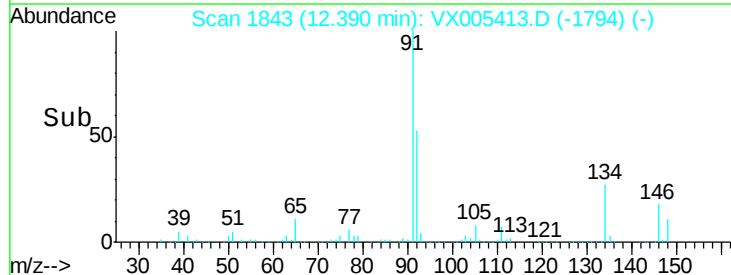
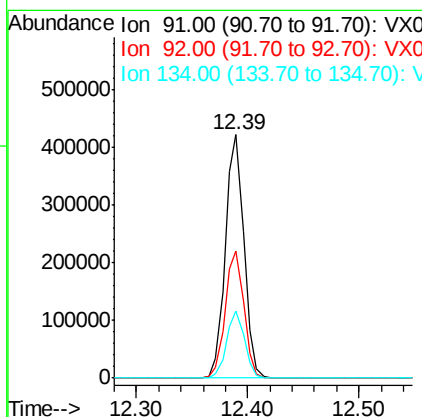
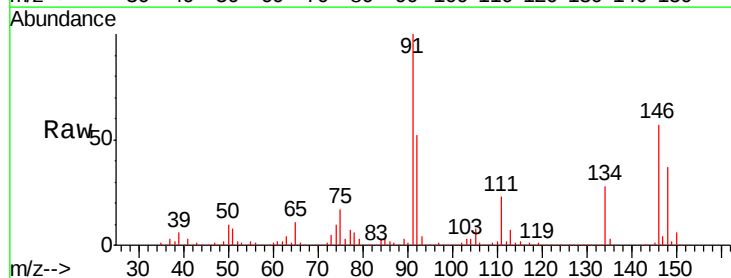
RT: 12.39 min Scan# 1843

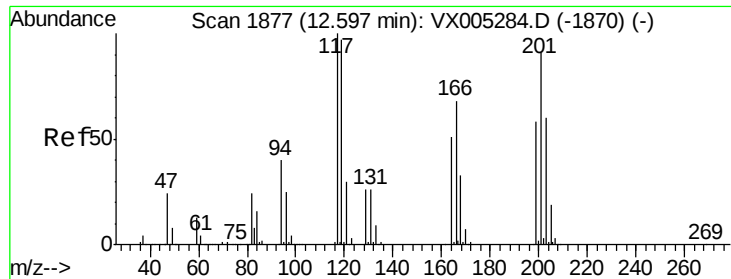
Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion:	91	Resp:	486070
Ion Ratio		Lower	Upper
91	100		
92	52.6	27.3	81.9
134	27.0	13.6	40.7





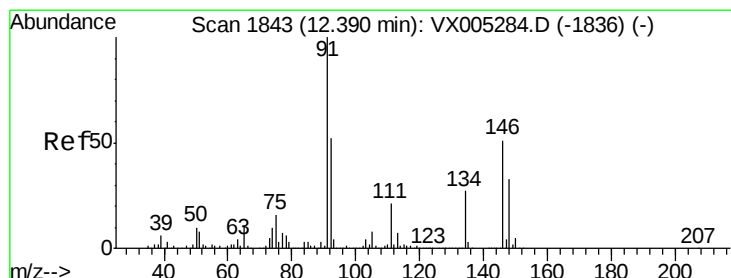
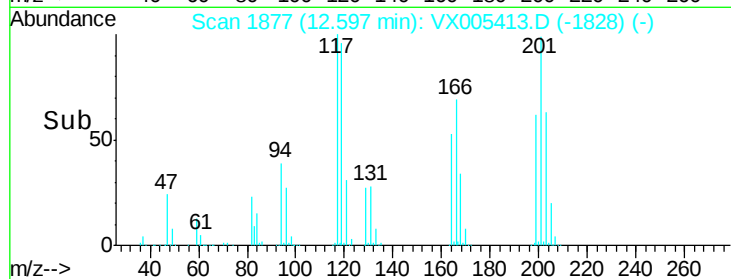
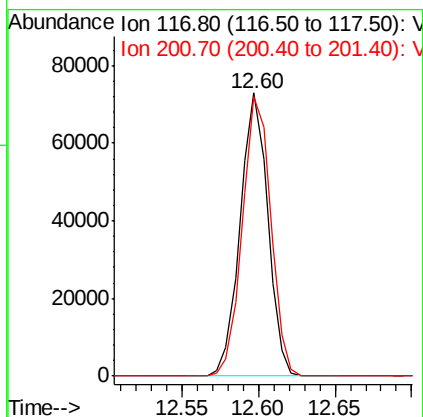
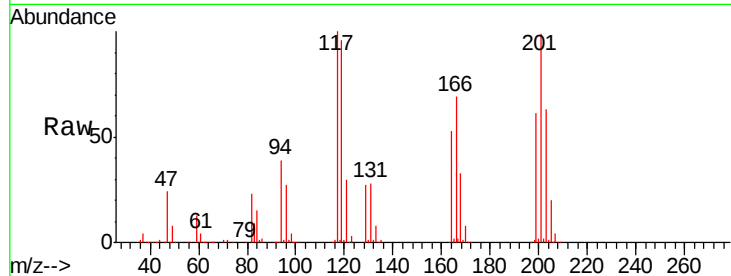
#90
Hexachloroethane
Concen: 49.50 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5MS

Tgt Ion:117 Resp: 91397
Ion Ratio Lower Upper
117 100
201 101.4 46.9 140.6

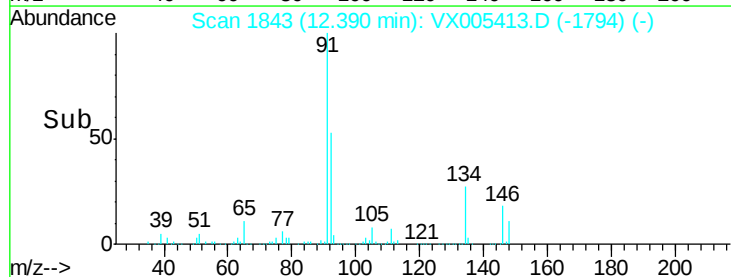
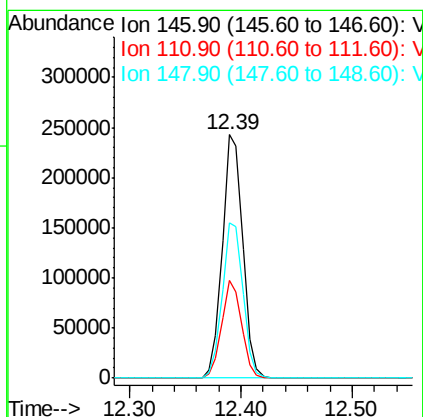
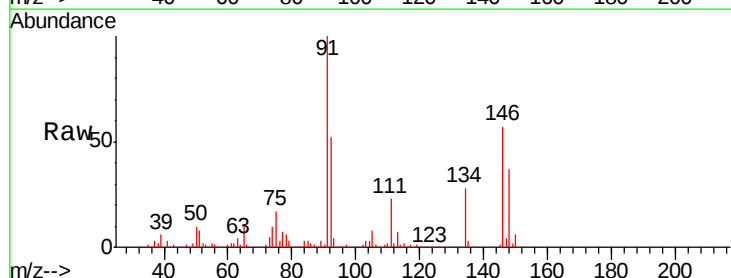
Manual Integrations
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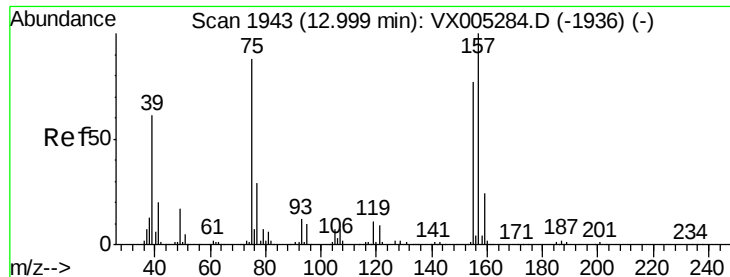
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 48.97 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005413.D
Acq: 18 Oct 2018 02:00

Tgt Ion:146 Resp: 308353
Ion Ratio Lower Upper
146 100
111 39.2 19.4 58.1
148 64.6 32.8 98.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 47.28 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

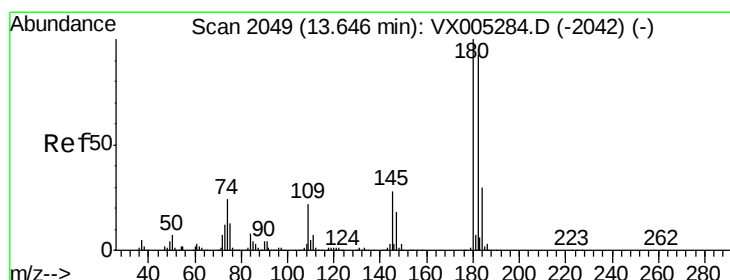
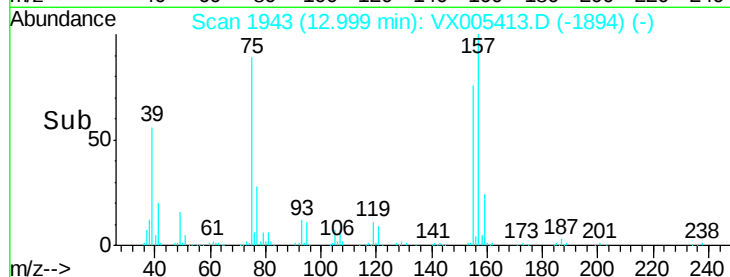
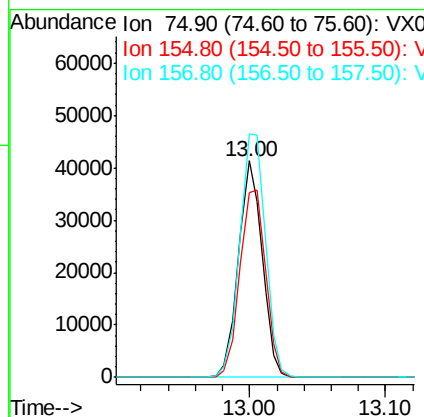
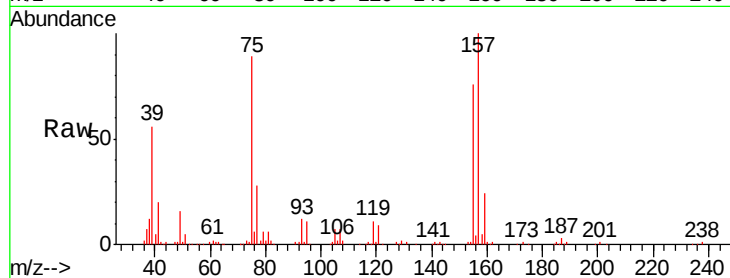
ClientSampleId :

RLF-SW-5MS

Tgt Ion:	75	Resp:	50253
Ion Ratio	Lower	Upper	
75	100		
155	94.0	48.0	144.2
157	121.7	61.4	184.1

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#93

1,2,4-Trichlorobenzene

Concen: 51.48 ug/l

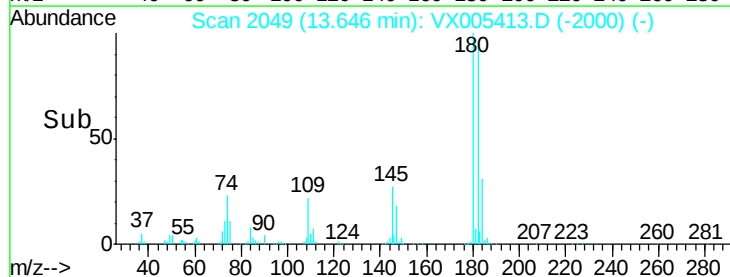
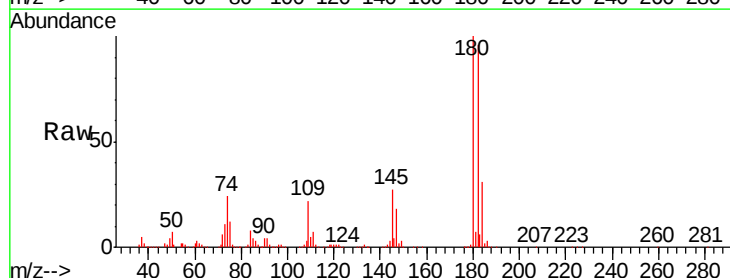
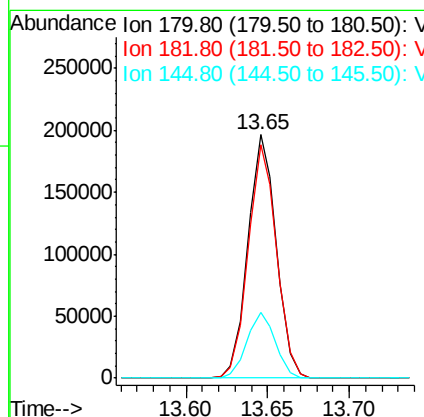
RT: 13.65 min Scan# 2049

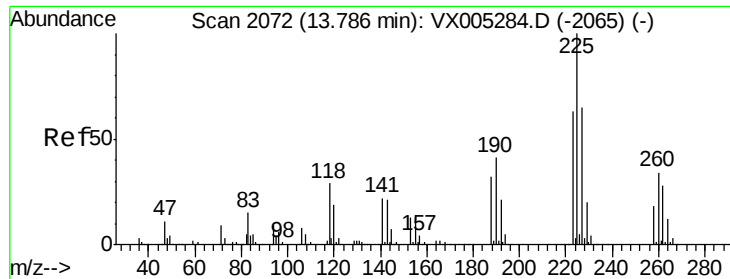
Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion:	180	Resp:	237830
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.4	145.0
145	27.1	14.3	42.9





#94

Hexachlorobutadiene

Concen: 48.12 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Instrument :

MSVOA_X

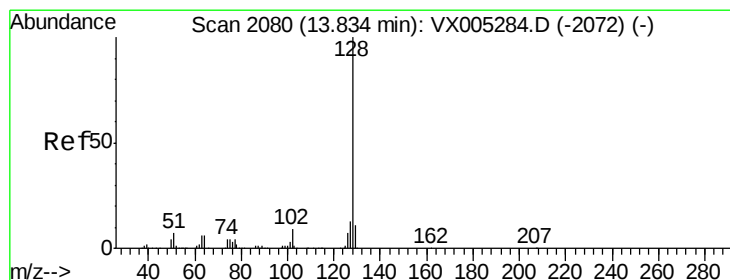
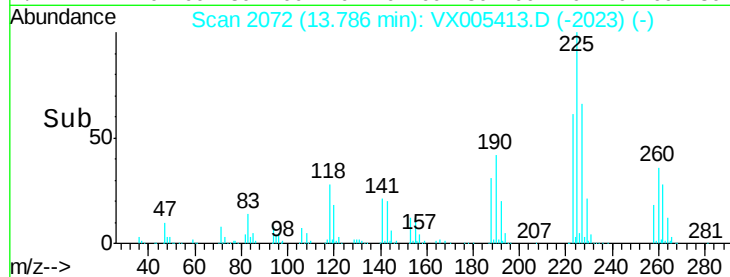
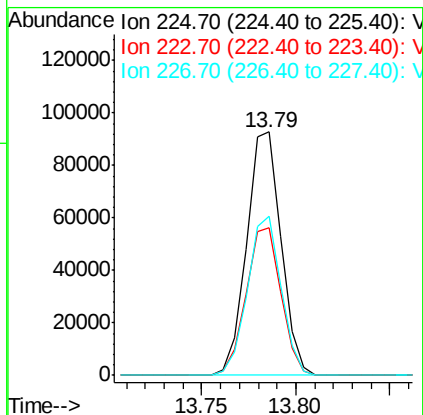
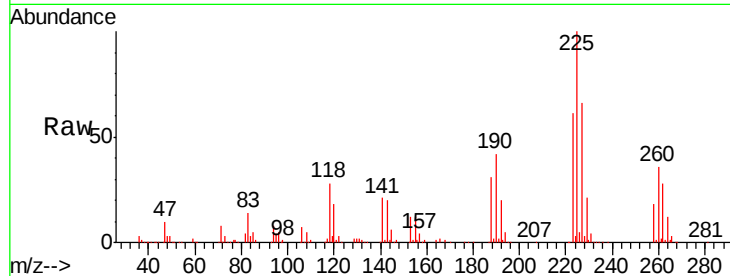
ClientSampleId :

RLF-SW-5MS

Tgt Ion:	225	Resp:	117424
Ion Ratio		Lower	Upper
225	100		
223	61.5	30.1	90.5
227	63.9	30.8	92.4

Manual Integrations
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#95

Naphthalene

Concen: 53.77 ug/l

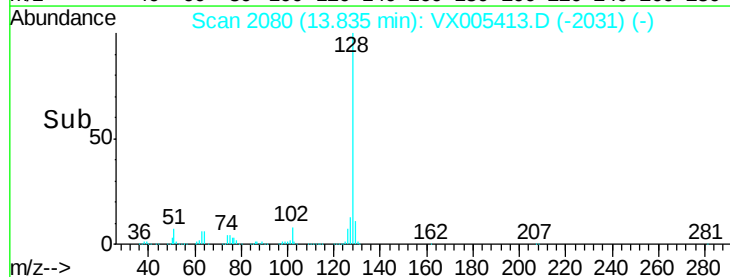
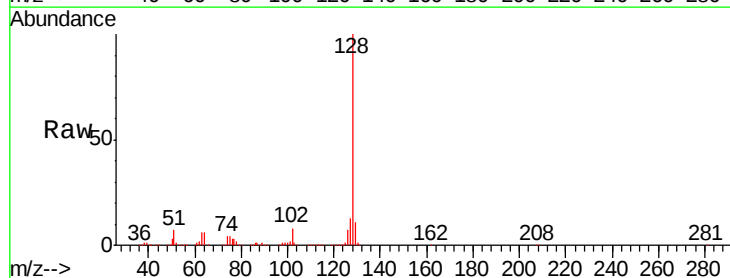
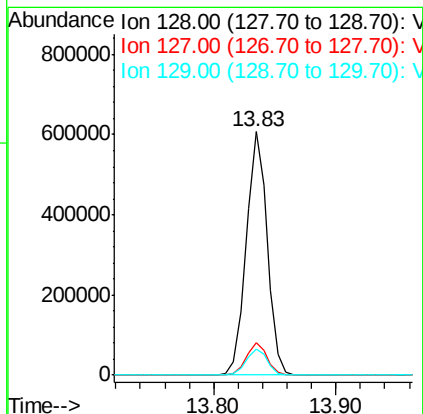
RT: 13.83 min Scan# 2080

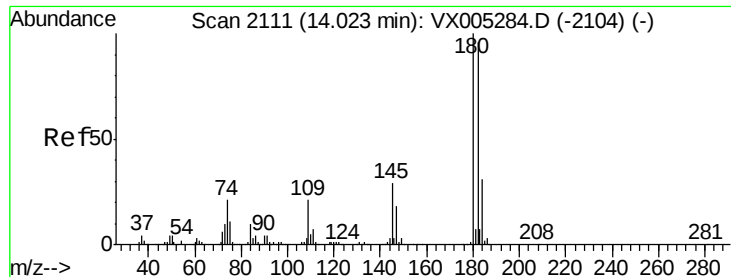
Delta R.T. 0.00 min

Lab File: VX005413.D

Acq: 18 Oct 2018 02:00

Tgt Ion:	128	Resp:	720422
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 51.33 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VX005413.D
 Acq: 18 Oct 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5MS

Tgt Ion:	180	Resp:	242669
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.5	145.6
145	29.1	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:24:05 PM

