

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051118\
 Data File : VX001618.D
 Acq On : 10 May 2018 23:02
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 5/14/2018 3:57:25 PM

Quant Time: May 11 07:04:39 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 06:59:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	54429	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	264183	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	242225	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	120706	30.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.10%
60) 4-Bromofluorobenzene	11.15	95	108852	26.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.93%
63) Toluene-d8	8.72	98	327179	31.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.93%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	12263	3.60	ug/l	98
3) Chloromethane	1.32	50	15268	4.67	ug/l	95
4) Vinyl Chloride	1.40	62	15661	4.56	ug/l	100
5) Bromomethane	1.64	94	8904	3.55	ug/l	96
6) Chloroethane	1.72	64	11028	5.14	ug/l	97
7) Trichlorofluoromethane	1.93	101	23130	4.15	ug/l	99
8) Diethyl Ether	2.19	74	10236	5.07	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	12510	3.94	ug/l	99
10) 1,1-Dichloroethene	2.37	96	13275	4.53	ug/l	94
11) Methyl Iodide	2.51	142	15509	4.19	ug/l	99
12) Methyl Acetate	2.78	43	23065	5.71	ug/l	97
13) Acrolein	2.30	56	13436	28.67	ug/l	96
14) Acrylonitrile	3.15	53	45991	28.58	ug/l	99
15) Acetone	2.45	58	12551	25.95	ug/l	99
16) Carbon Disulfide	2.57	76	28800	3.76	ug/l	98
17) Allyl chloride	2.73	41	24729	4.72	ug/l	99
18) Methylene Chloride	2.86	84	16682	5.18	ug/l	93
19) trans-1,2-Dichloroethene	3.17	96	14330	4.55	ug/l	97
20) Diisopropyl ether	3.89	45	44365	4.34	ug/l	98
21) 1,1-Dichloroethane	3.70	63	28277	5.12	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	16071	4.58	ug/l #	81
23) tert-Butyl Alcohol	3.09	59	20534	30.63	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	48999	4.84	ug/l	98
25) Chloroform	5.22	83	28386	4.74	ug/l	98
26) Cyclohexane	5.58	56	17254	3.54	ug/l #	98
29) 1,1-Dichloropropene	5.81	75	16700	4.32	ug/l	99
30) 2-Butanone	4.72	43	60081	29.01	ug/l	100
31) 2,2-Dichloropropane	4.59	77	15170	3.76	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	21899	4.65	ug/l	98
33) Carbon Tetrachloride	5.79	117	18924	4.46	ug/l	97
34) Benzene	6.15	78	57098	4.95	ug/l	99
35) Methacrylonitrile	5.07	41	13052	5.70	ug/l	93
36) 1,2-Dichloroethane	6.20	62	24091	5.38	ug/l	98
37) Trichloroethene	7.22	130	16615	4.76	ug/l	98
38) Methylcyclohexane	7.47	83	16374	3.66	ug/l	97
39) 1,2-Dichloropropane	7.52	63	14657	5.01	ug/l	96
40) Dibromomethane	7.67	93	10393	5.03	ug/l	99

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 ALS Vial : 24 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: May 11 07:04:39 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 06:59:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	18210	4.67	ug/l	94
42) Vinyl Acetate	3.83	43	185596	23.69	ug/l	100
43) Ethyl Acetate	4.87	43	22540	5.63	ug/l #	78
44) Isopropyl Acetate	6.48	43	33084	4.99	ug/l	100
45) 1,4-Dioxane	7.77	88	7650	118.66	ug/l	97
46) Methyl methacrylate	7.79	41	17516	5.03	ug/l	96
47) n-amyl Acetate	10.91	43	24457	3.91	ug/l	100
48) t-1,3-Dichloropropene	8.44	75	18221	4.01	ug/l	96
49) cis-1,3-Dichloropropene	9.05	75	15521	3.62	ug/l	99
50) 1,1,2-Trichloroethane	9.23	97	15342	5.00	ug/l	98
51) Ethyl methacrylate	9.19	69	19866	4.55	ug/l	97
52) 1,3-Dichloropropane	9.38	76	25389	5.10	ug/l	97
53) Dibromochloromethane	9.59	129	13995	4.17	ug/l	99
54) 1,2-Dibromoethane	9.68	107	15635	4.74	ug/l	97
55) 2-Chloroethyl vinyl ether	8.32	63	52400	24.07	ug/l	100
56) Bromoform	10.87	173	10204	3.71	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	109778	26.46	ug/l	99
59) 2-Hexanone	9.51	43	82089	25.57	ug/l	97
61) Tetrachloroethene	9.34	164	18648	5.04	ug/l	99
62) Toluene	8.79	91	61549	4.76	ug/l	98
64) Chlorobenzene	10.15	112	40487	4.65	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.23	131	14605	4.59	ug/l	98
66) Ethyl Benzene	10.26	91	59218	4.16	ug/l	98
67) m/p-Xylenes	10.37	106	46190	8.11	ug/l	99
68) o-Xylene	10.71	106	23472	4.27	ug/l	97
69) Styrene	10.72	104	35989	3.93	ug/l	100
70) Isopropylbenzene	11.02	105	58305	3.93	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	21863	4.91	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	21351m	5.31	ug/l	
73) Bromobenzene	11.26	156	19084	4.40	ug/l	99
74) n-propylbenzene	11.37	91	61382	3.67	ug/l	99
75) 2-Chlorotoluene	11.43	91	41899	4.12	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	48572	3.84	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	3924	3.31	ug/l	74
78) 4-Chlorotoluene	11.52	91	45736	3.81	ug/l	100
79) tert-butylbenzene	12.07	119	46691	3.45	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	48028	3.74	ug/l	98
81) sec-Butylbenzene	11.95	105	53525	3.65	ug/l	100
82) p-Isopropyltoluene	12.07	119	46691	3.45	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	31862	4.05	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	31334	3.93	ug/l	98
85) n-Butylbenzene	12.40	91	34452	2.99	ug/l	99
86) Hexachloroethane	12.60	117	7244	3.48	ug/l	98
87) 1,2-Dichlorobenzene	12.40	146	33790	4.30	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	4380	4.61	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	20849	3.55	ug/l	99
90) Hexachlorobutadiene	13.79	225	11129	3.95	ug/l	97
91) Naphthalene	13.84	128	59981	3.84	ug/l	100
92) 1,2,3-Trichlorobenzene	14.03	180	23247	3.95	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Quant Time: May 11 07:04:39 2018
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QLast Update : Fri May 11 06:59:10 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

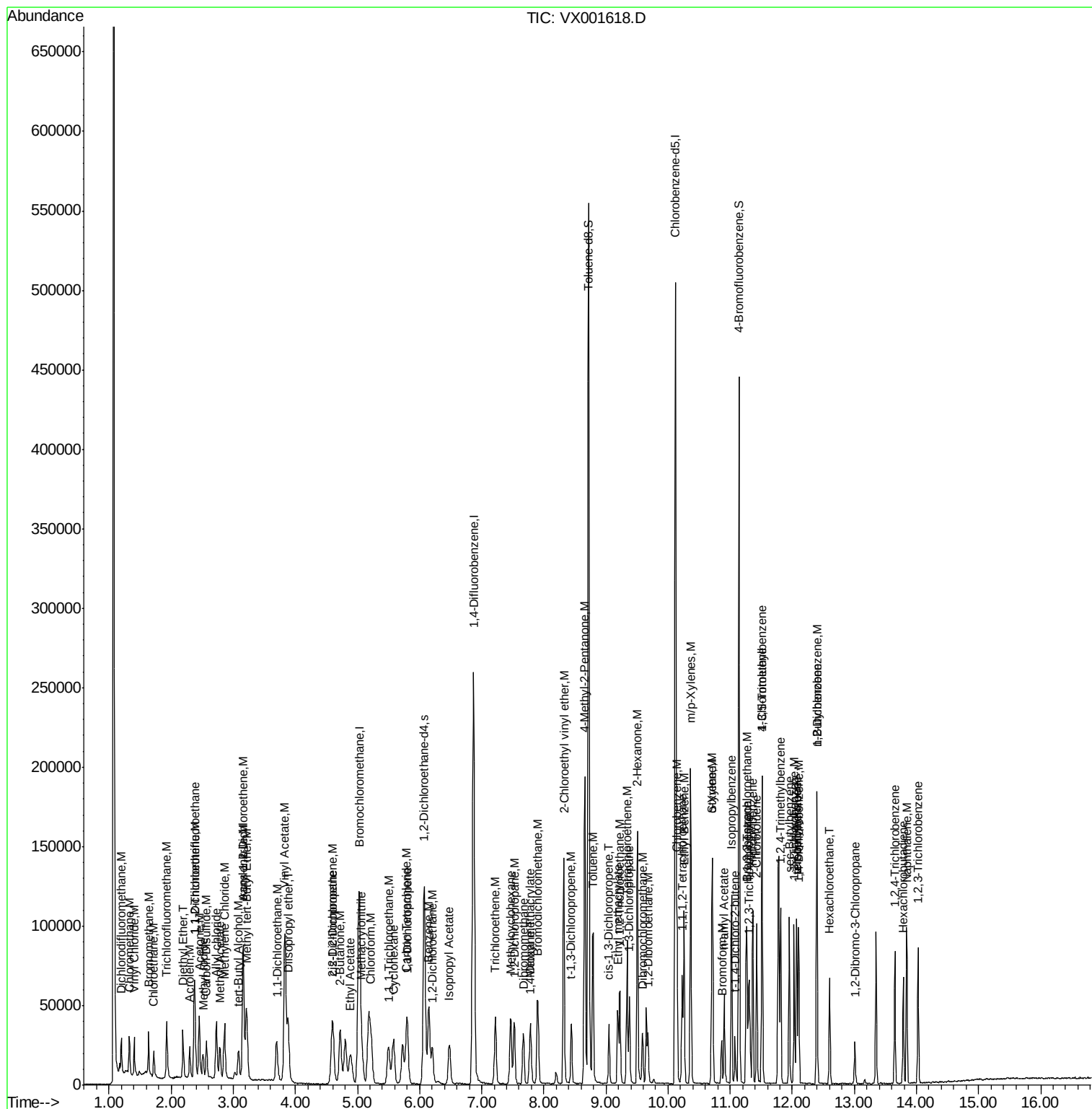
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051118\
Data File : VX001618.D
Acq On : 10 May 2018 23:02
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

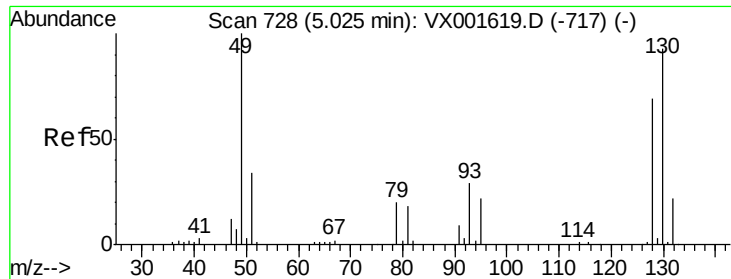
Instrument :
MSVOA_X
ClientSampleID :
VSTDIC005

Manual Integrations
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Quant Time: May 11 07:04:39 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 54429

Ion Ratio Lower Upper

128 100

49 145.2 0.0 372.0

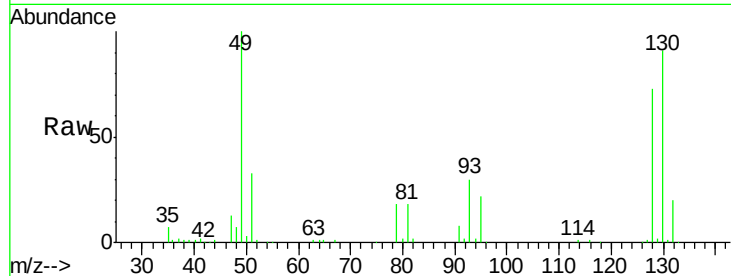
130 128.8 0.0 326.5

Manual Integrations

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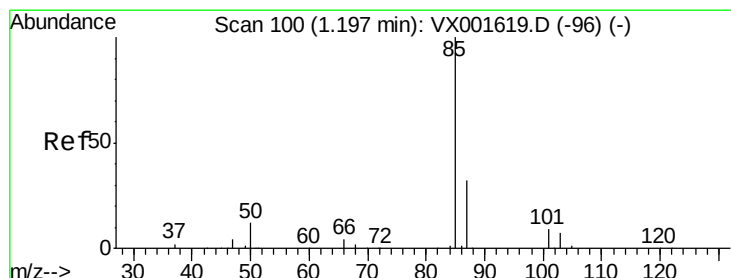
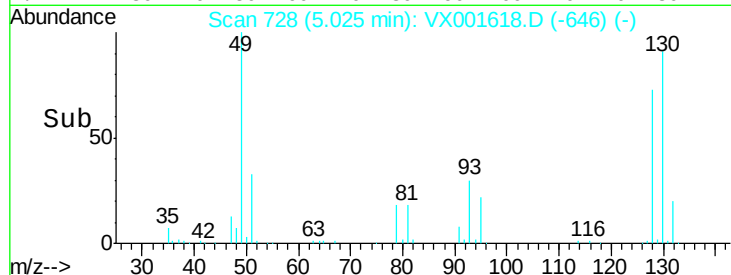
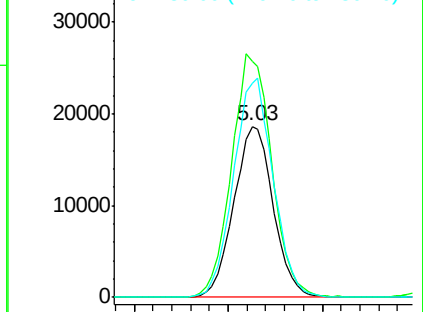
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 3.60 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001618.D

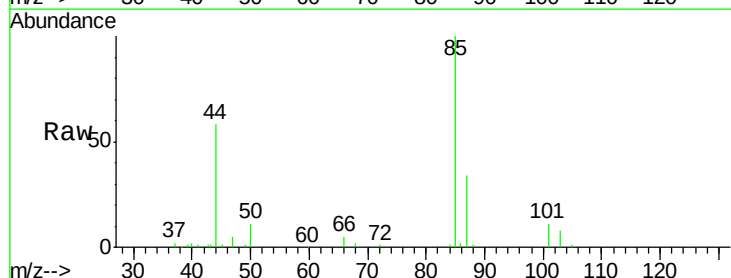
Acq: 10 May 2018 23:02

Tgt Ion: 85 Resp: 12263

Ion Ratio Lower Upper

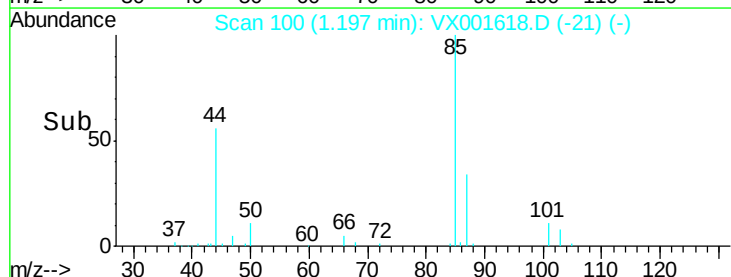
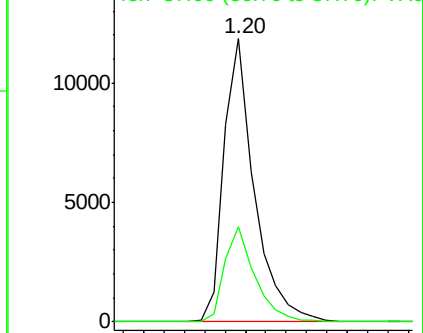
85 100

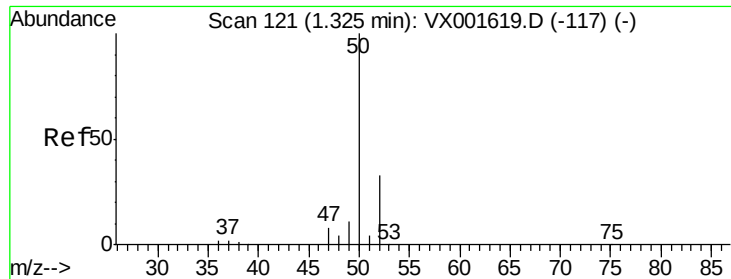
87 33.7 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 4.67 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 15268

Ion Ratio Lower Upper

50 100

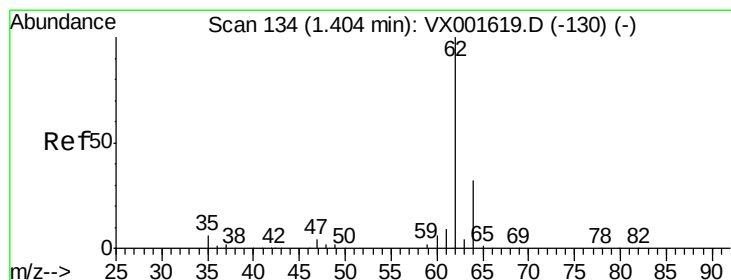
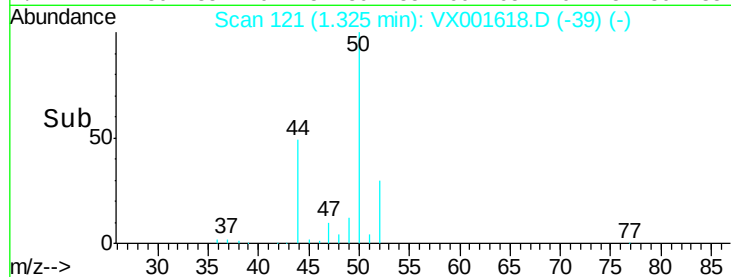
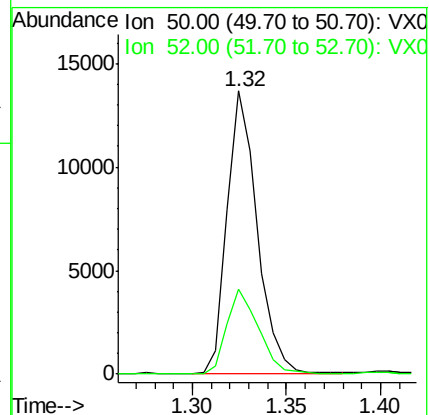
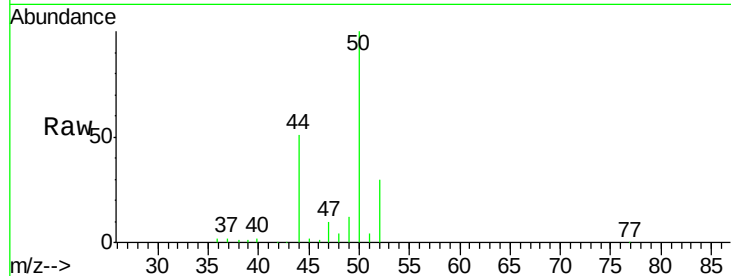
52 30.2 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001618.D

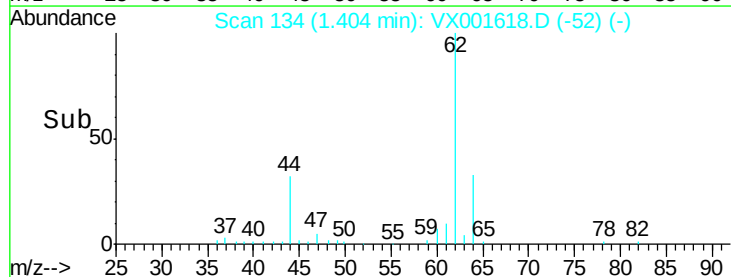
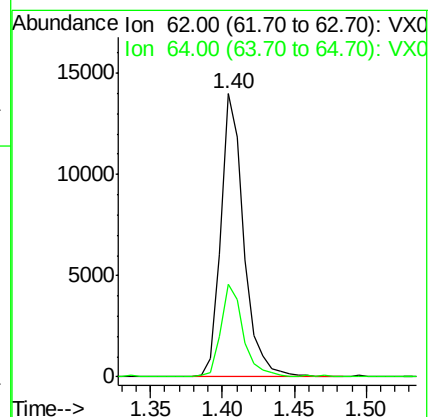
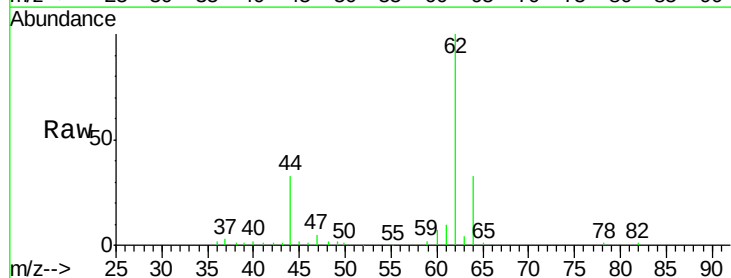
Acq: 10 May 2018 23:02

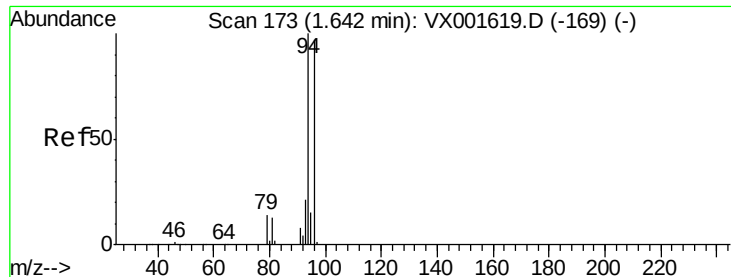
Tgt Ion: 62 Resp: 15661

Ion Ratio Lower Upper

62 100

64 32.5 25.9 38.9





#5

Bromomethane

Concen: 3.55 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8904

Ion Ratio Lower Upper

94 100

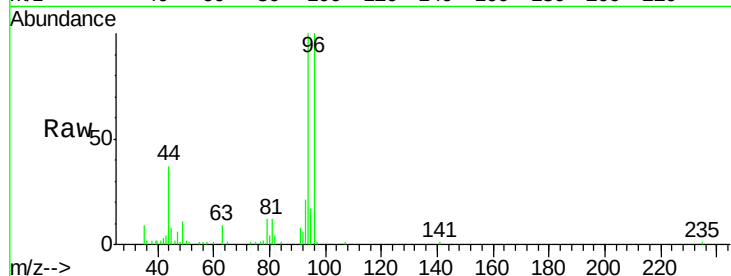
96 101.3 77.8 116.8

Manual Integrations

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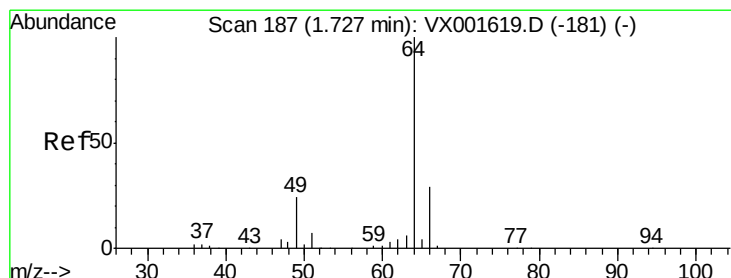
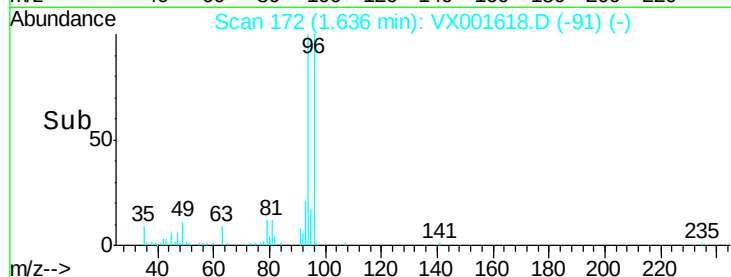
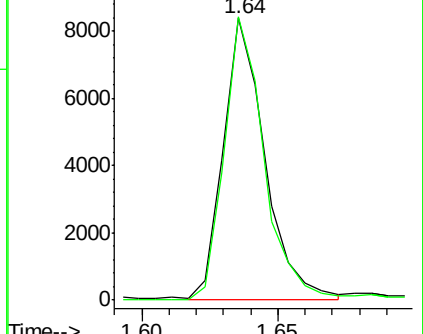
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 5.14 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001618.D

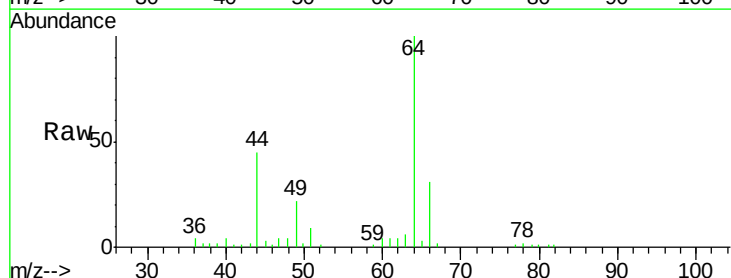
Acq: 10 May 2018 23:02

Tgt Ion: 64 Resp: 11028

Ion Ratio Lower Upper

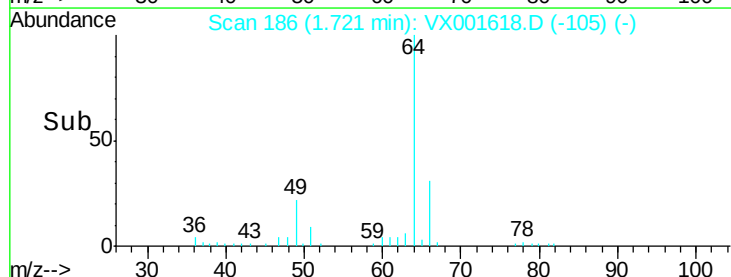
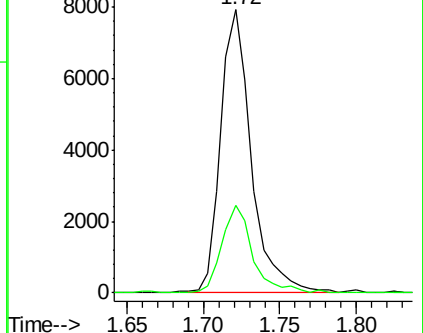
64 100

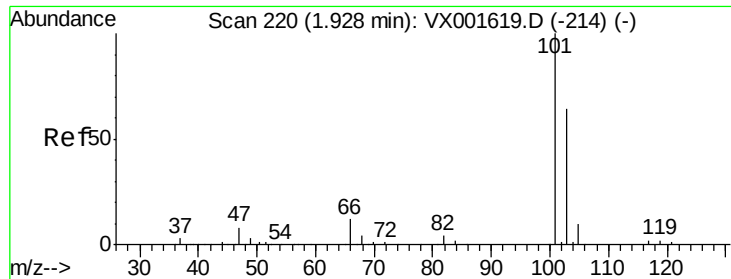
66 31.1 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

Trichlorofluoromethane

Concen: 4.15 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 23130

Ion Ratio Lower Upper

101 100

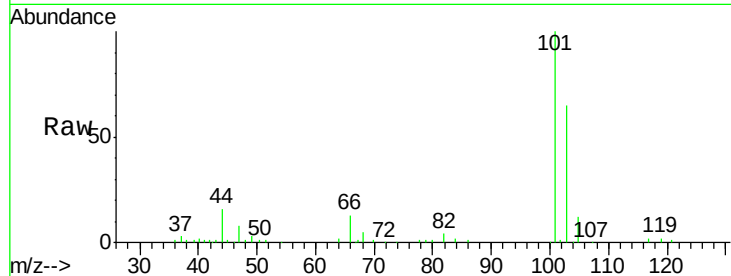
103 64.6 51.4 77.0

Manual Integrations

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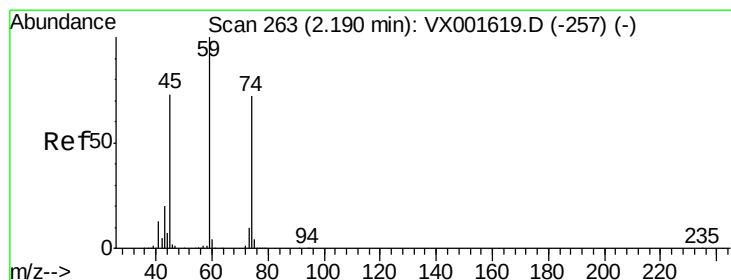
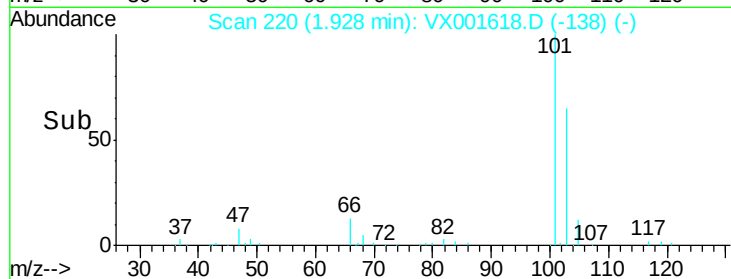
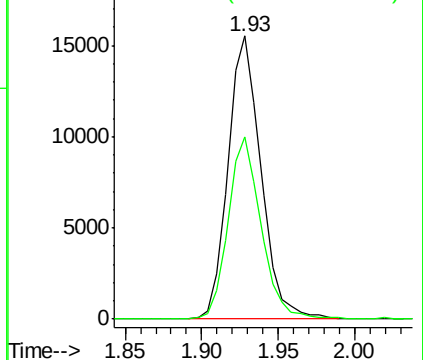
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.07 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001618.D

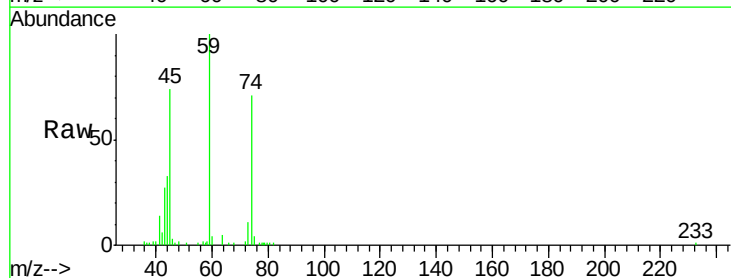
Acq: 10 May 2018 23:02

Tgt Ion: 74 Resp: 10236

Ion Ratio Lower Upper

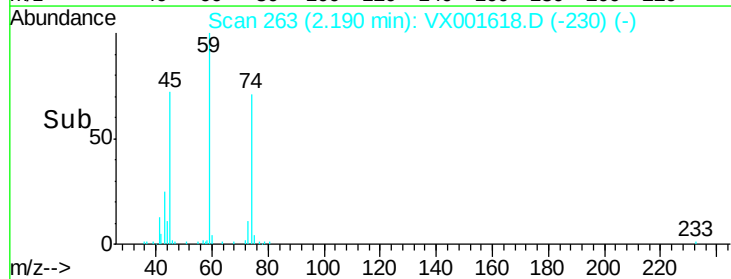
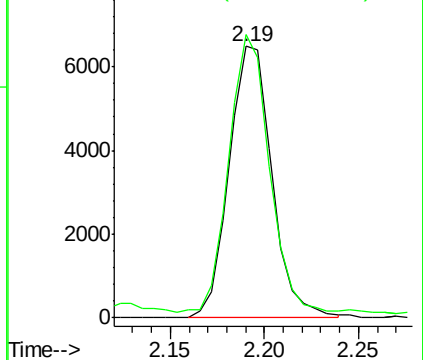
74 100

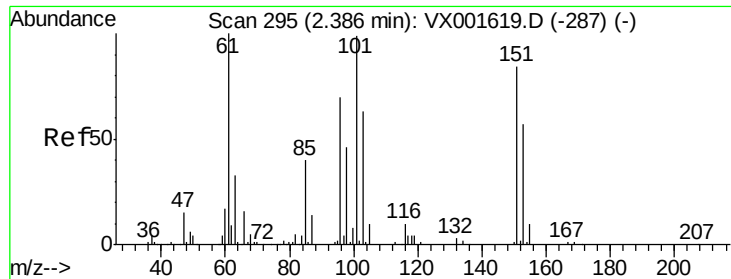
45 95.9 19.4 174.2



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.94 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001618.D

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Instrument :

MSVOA_X

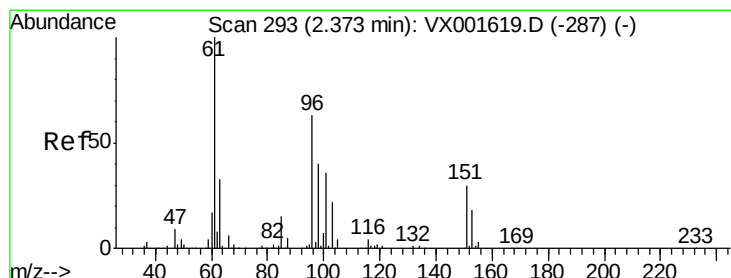
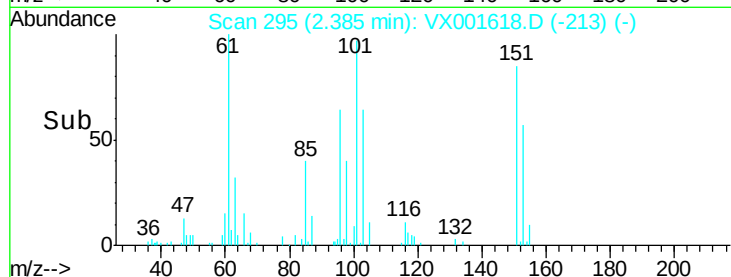
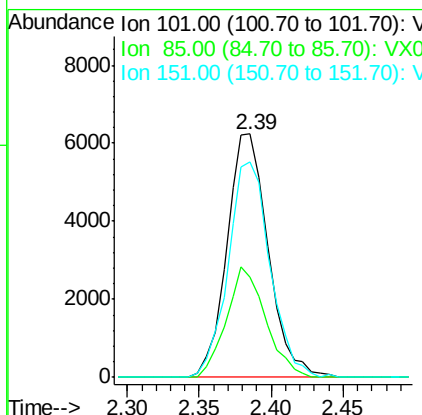
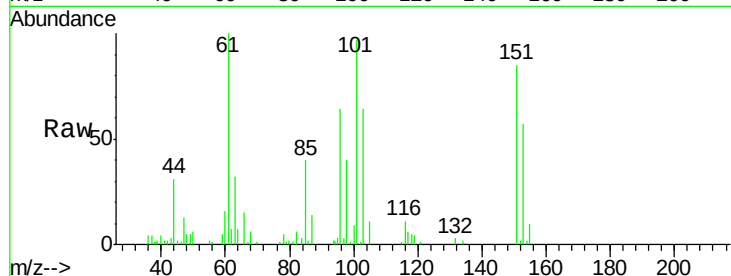
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12510
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	84.0
151	89.6	0.0	176.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 4.53 ug/l

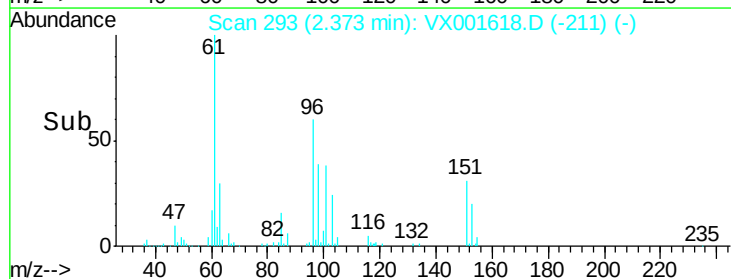
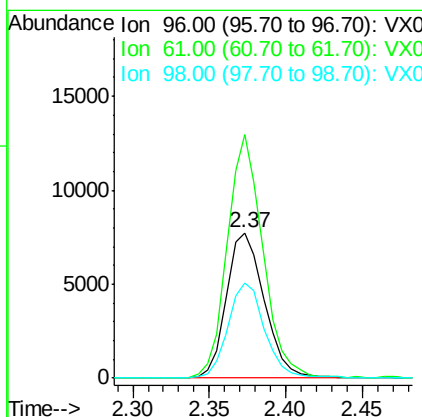
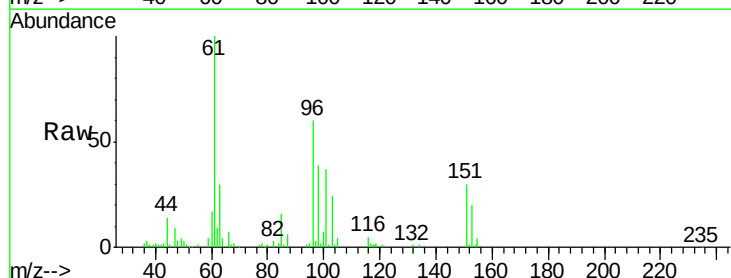
RT: 2.37 min Scan# 293

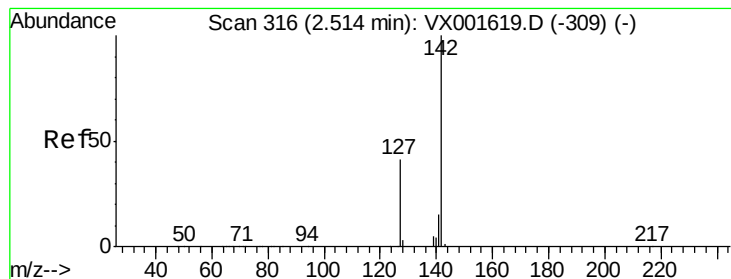
Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Tgt Ion:	96	Resp:	13275
Ion Ratio	Lower	Upper	
96	100		
61	167.9	126.5	189.7
98	65.2	50.6	75.8





#11

Methyl Iodide

Concen: 4.19 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:142 Resp: 15509

Ion Ratio Lower Upper

142 100

127 41.3 20.7 62.1

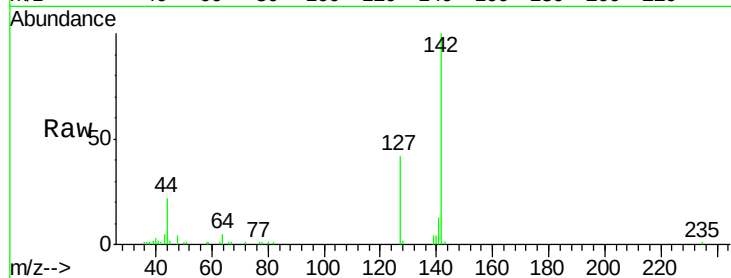
141 13.2 7.4 22.3

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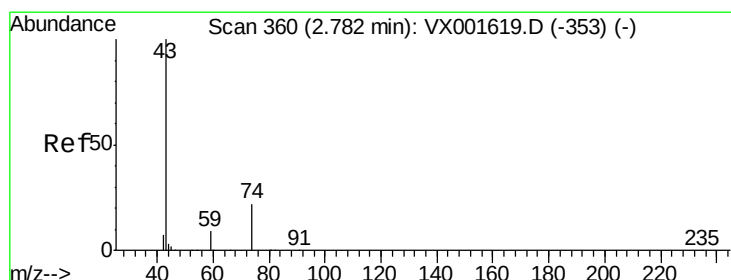
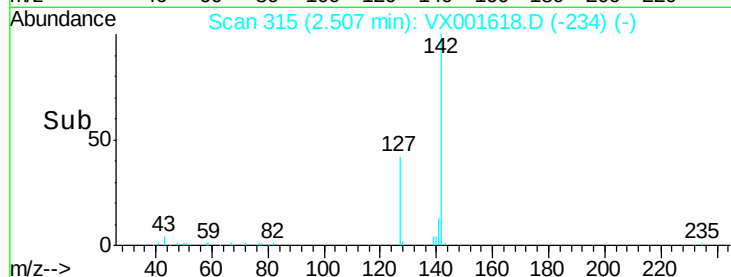
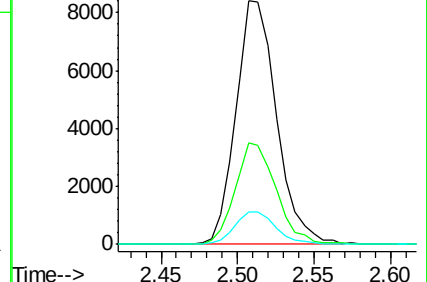
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Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 5.71 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001618.D

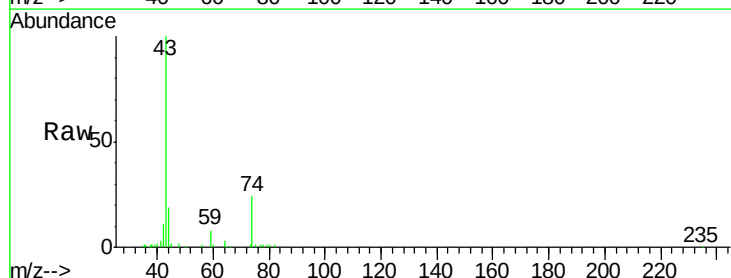
Acq: 10 May 2018 23:02

Tgt Ion: 43 Resp: 23065

Ion Ratio Lower Upper

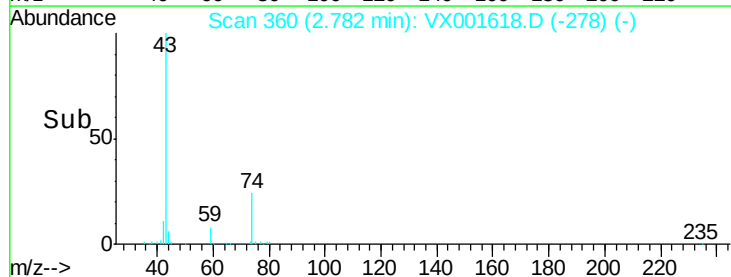
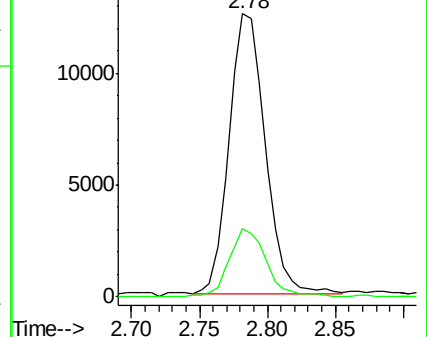
43 100

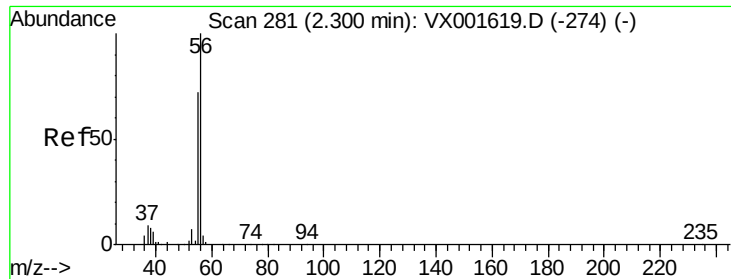
74 24.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 28.67 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 13436

Ion Ratio Lower Upper

56 100

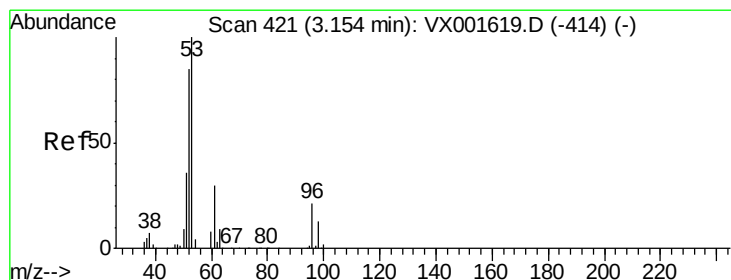
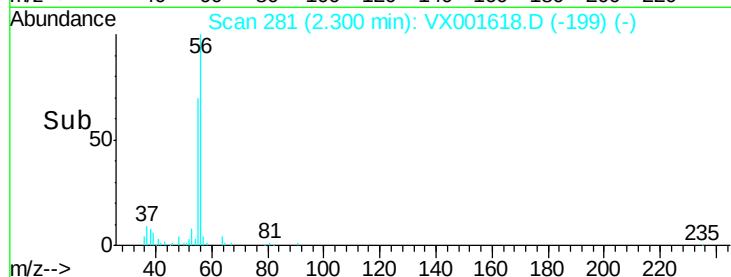
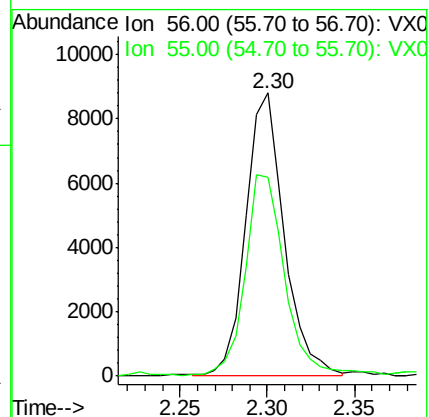
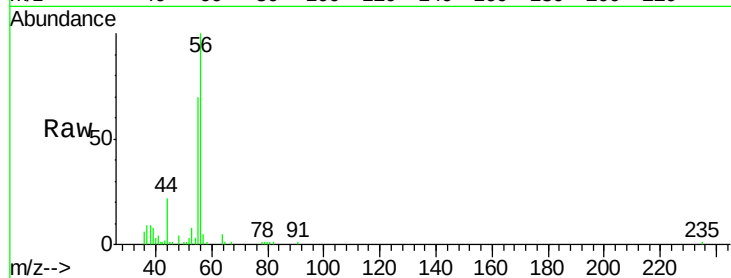
55 74.4 56.9 85.3

Manual Integrations

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#14

Acrylonitrile

Concen: 28.58 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

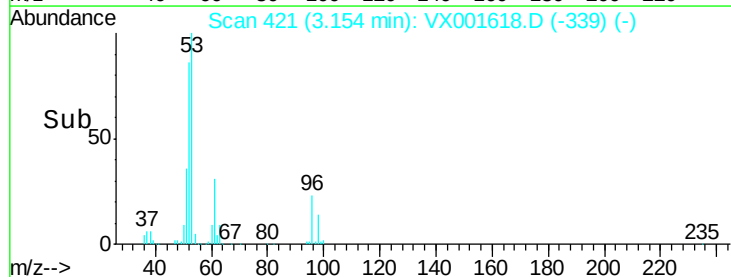
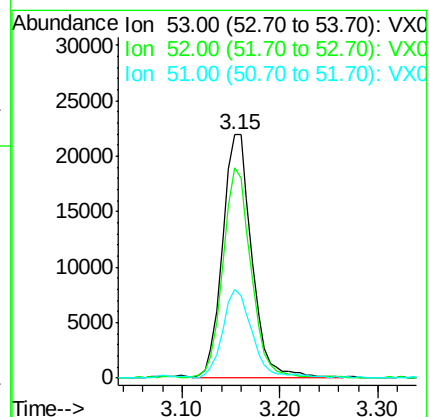
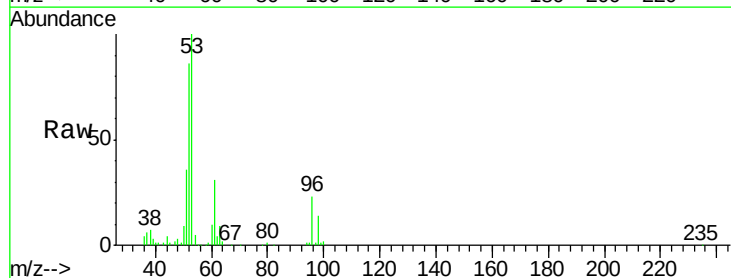
Tgt Ion: 53 Resp: 45991

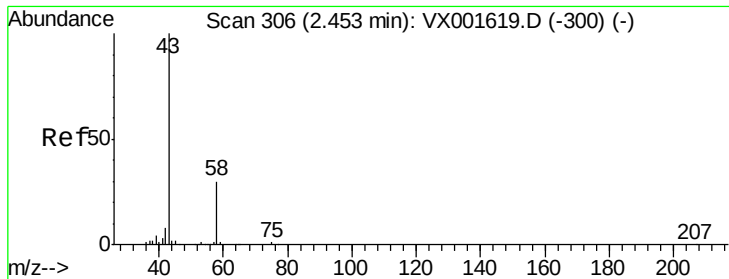
Ion Ratio Lower Upper

53 100

52 82.3 41.3 123.9

51 34.9 18.1 54.3





#15

Acetone

Concen: 25.95 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 12551

Ion Ratio Lower Upper

58 100

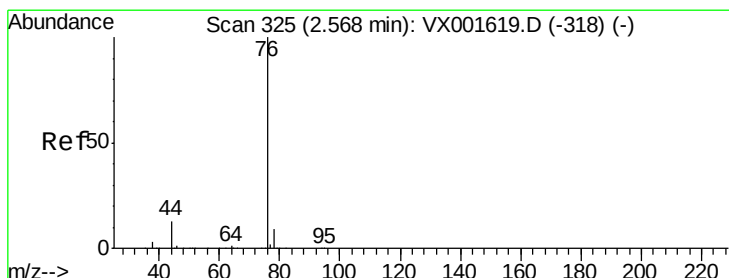
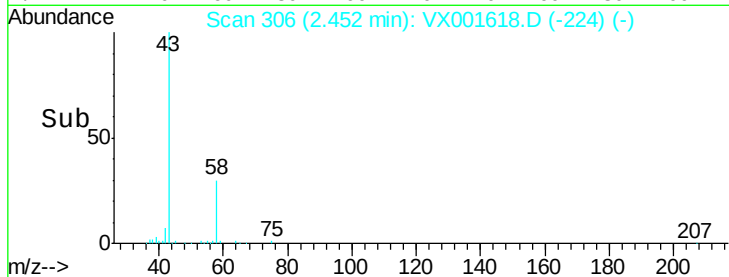
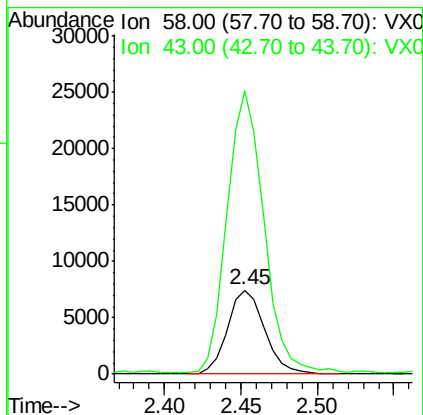
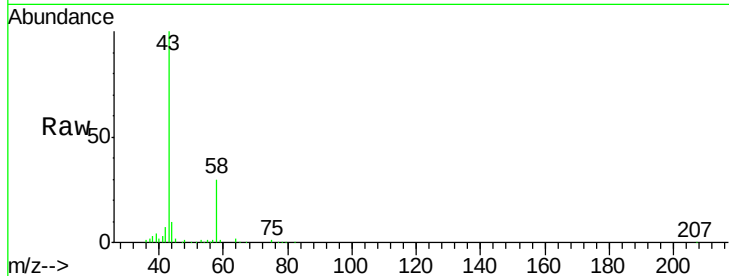
43 333.1 264.2 396.2

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#16

Carbon Disulfide

Concen: 3.76 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001618.D

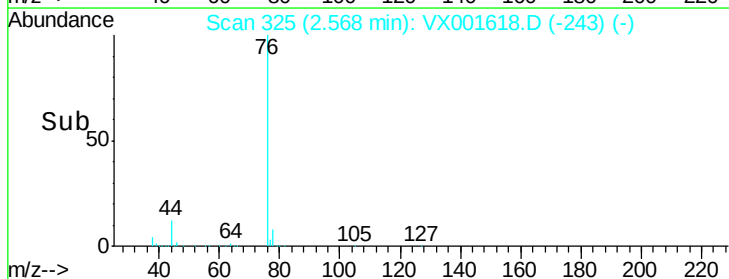
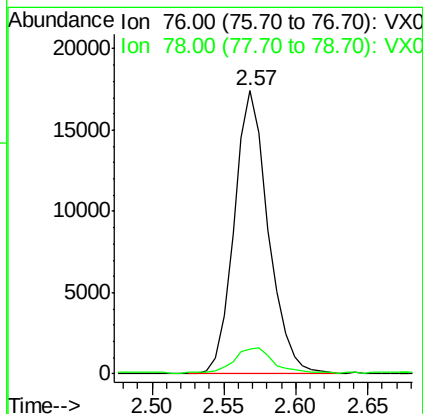
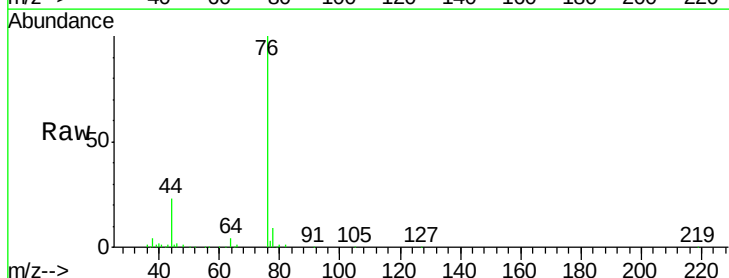
Acq: 10 May 2018 23:02

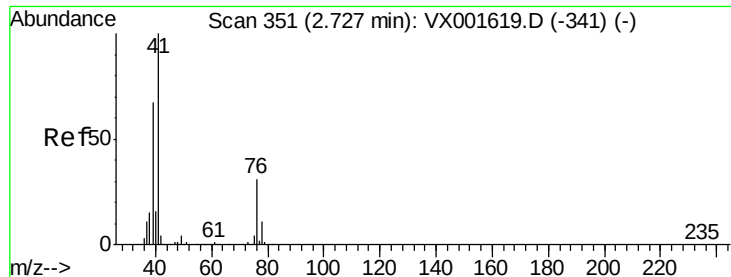
Tgt Ion: 76 Resp: 28800

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9





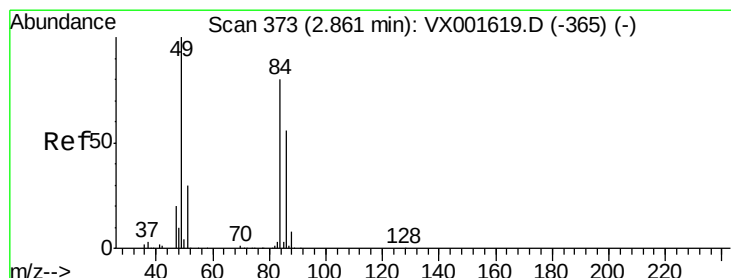
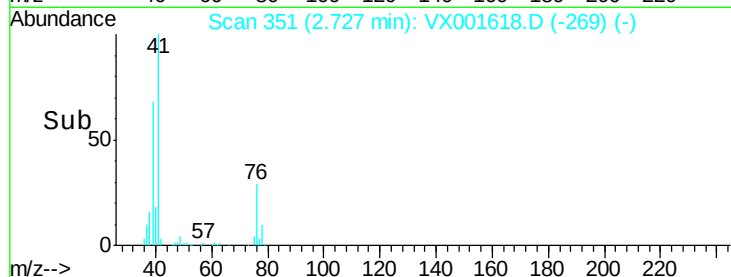
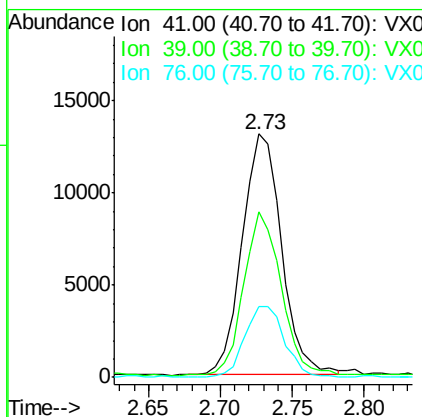
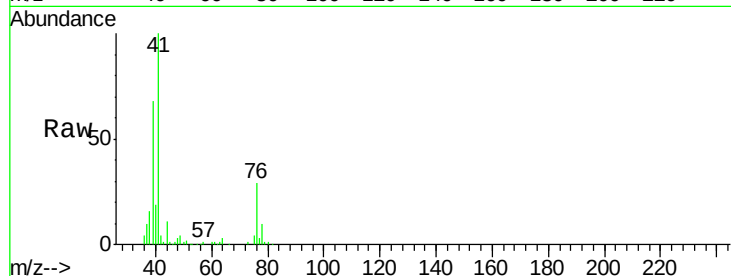
#17
Allvl chloride
Concen: 4.72 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.9	33.7	101.1
76	29.6	15.4	46.4

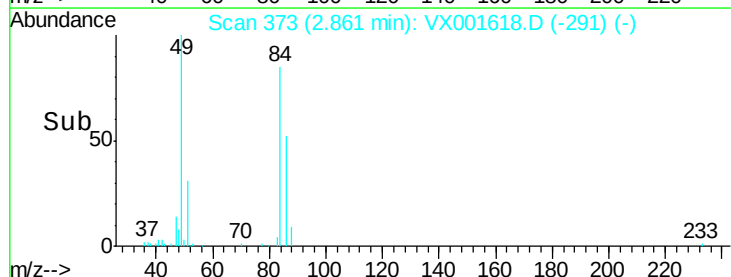
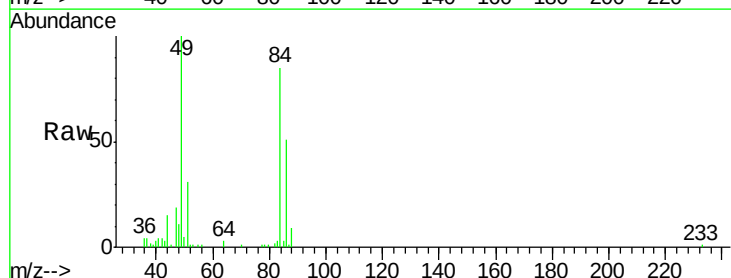
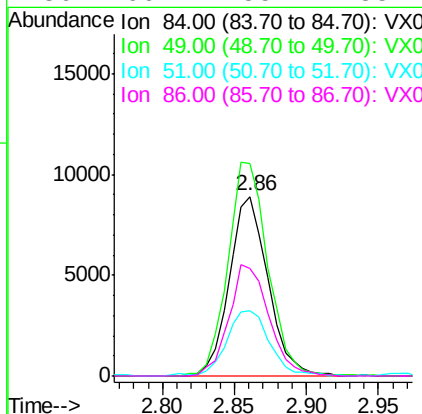
Manual Integrations
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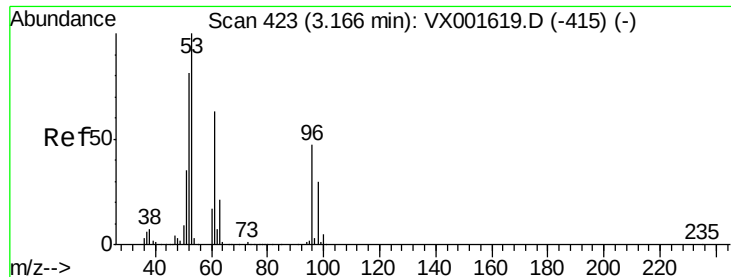
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#18
Methylene Chloride
Concen: 5.18 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.4	99.5	149.3
51	35.8	30.1	45.1
86	60.2	55.4	83.2





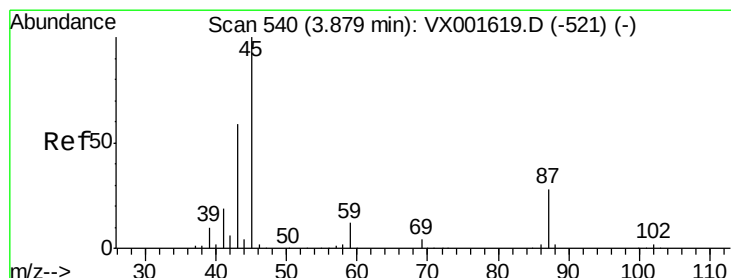
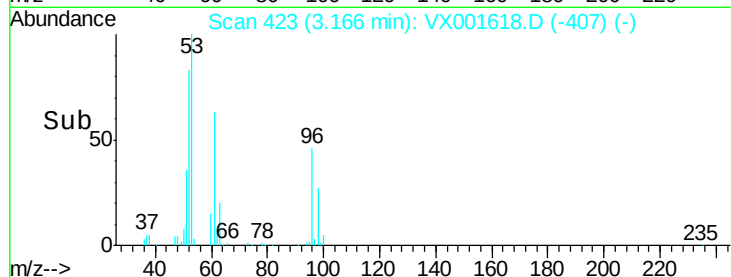
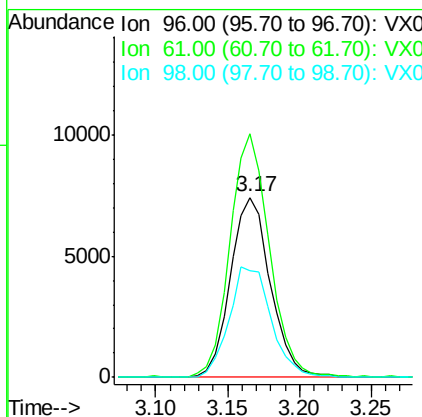
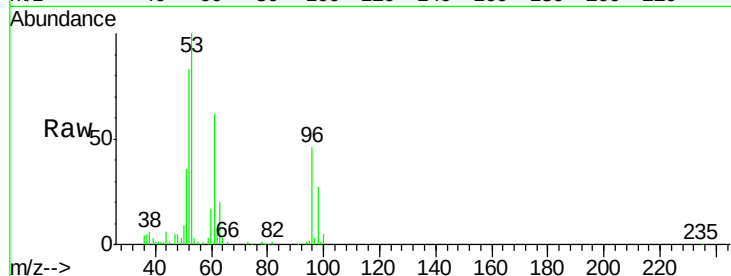
#19
trans-1,2-Dichloroethene
Concen: 4.55 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	107.7	161.5
98	59.3	51.6	77.4

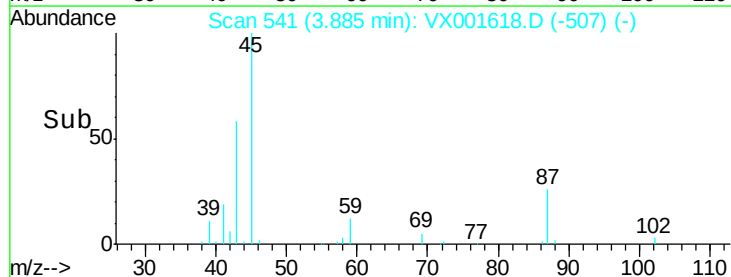
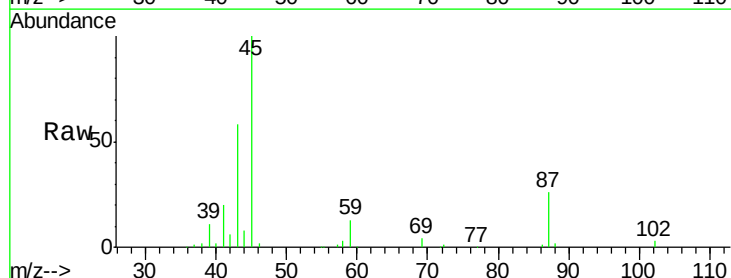
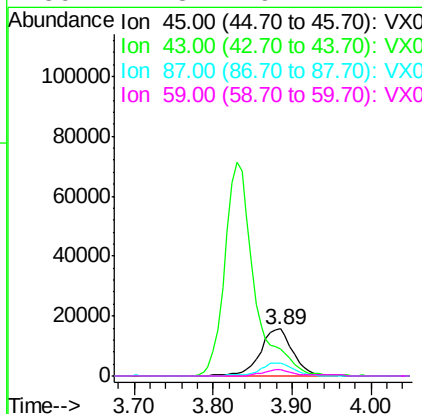
Manual Integrations
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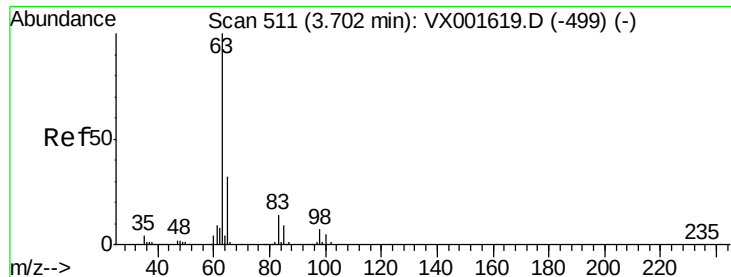
apatel
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#20
Diisopropyl ether
Concen: 4.34 ug/l
RT: 3.89 min Scan# 541
Delta R.T. 0.01 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	47.5	71.3
87	26.3	22.2	33.4
59	12.8	9.4	14.2





#21

1,1-Dichloroethane

Concen: 5.12 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

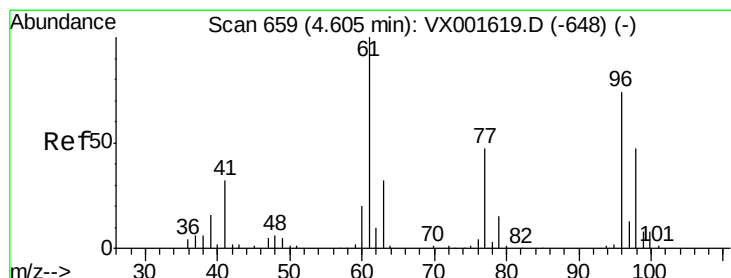
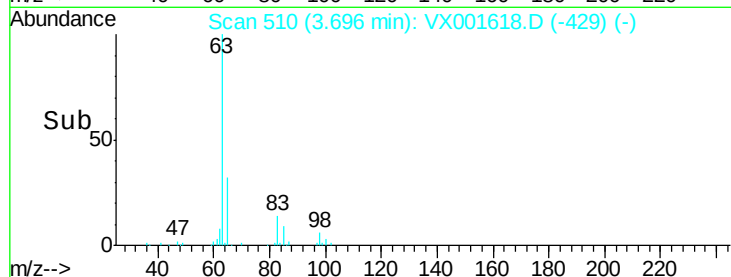
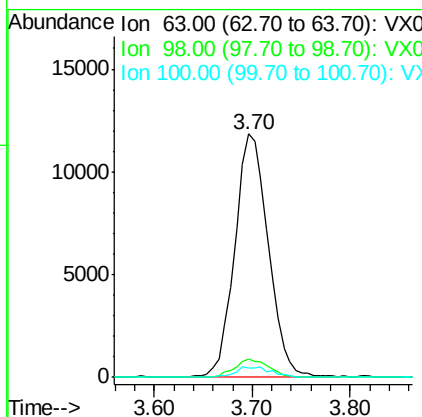
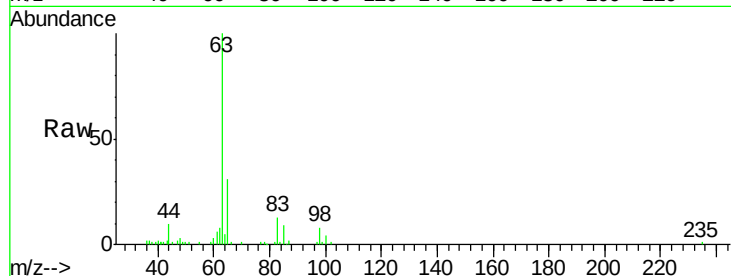
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	28277
Ion Ratio	Lower	Upper	
63	100		
98	7.6	3.5	10.5
100	3.8	2.5	7.4

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 4.58 ug/l

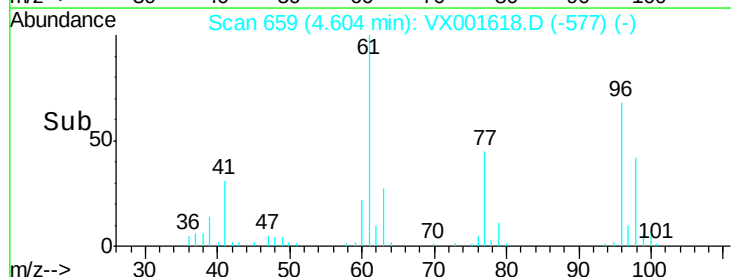
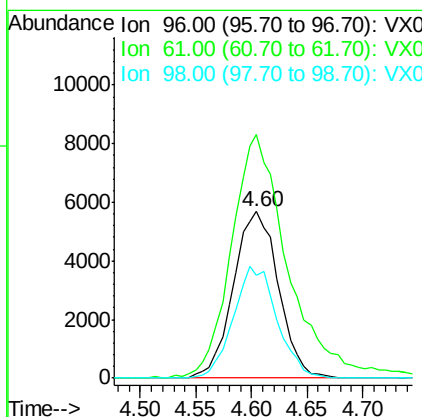
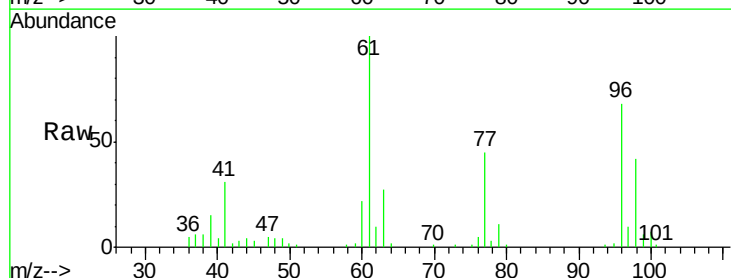
RT: 4.60 min Scan# 659

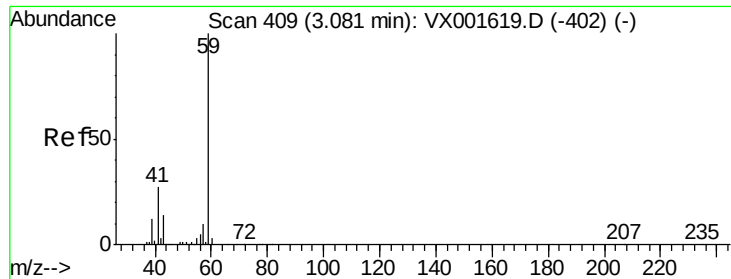
Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Tgt Ion:	96	Resp:	16071
Ion Ratio	Lower	Upper	
96	100		
61	179.9	117.3	175.9#
98	64.7	51.2	76.8





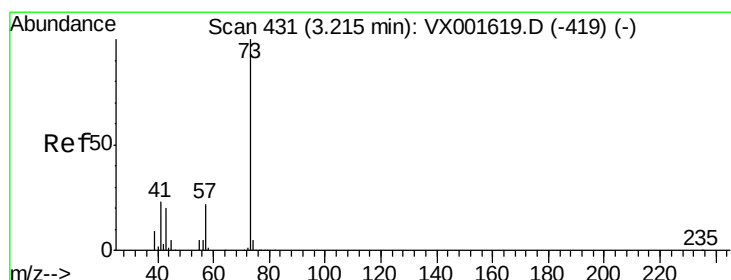
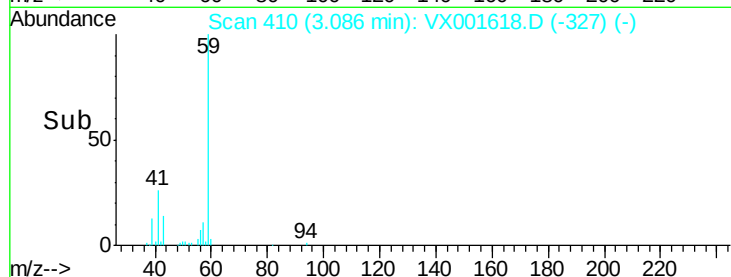
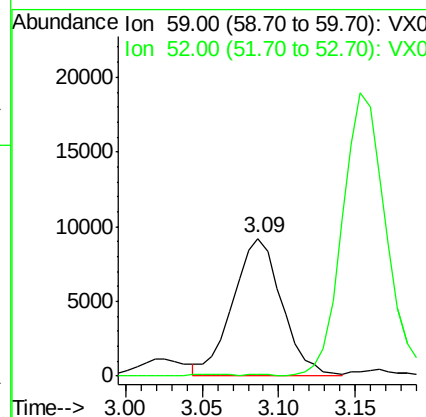
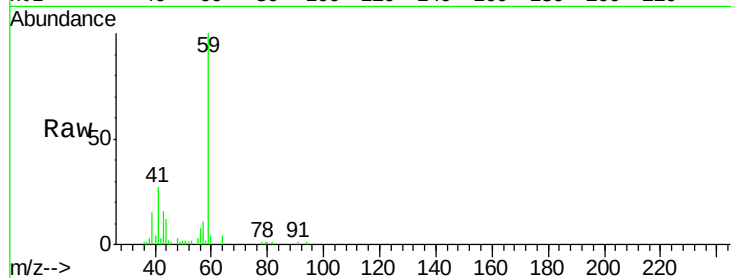
#23
 tert-Butyl Alcohol
 Concen: 30.63 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 20534
 Ion Ratio Lower Upper
 59 100
 52 0.6 0.2 0.2#

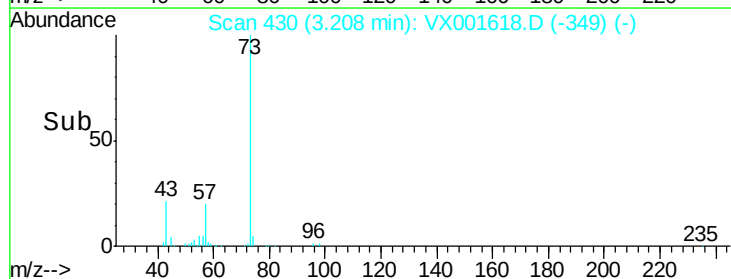
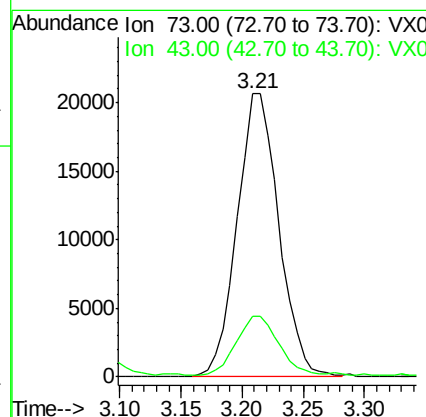
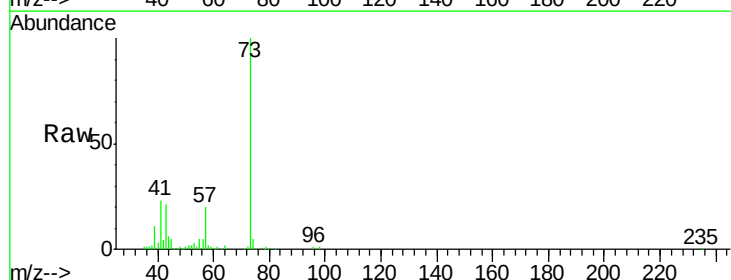
Manual Integrations
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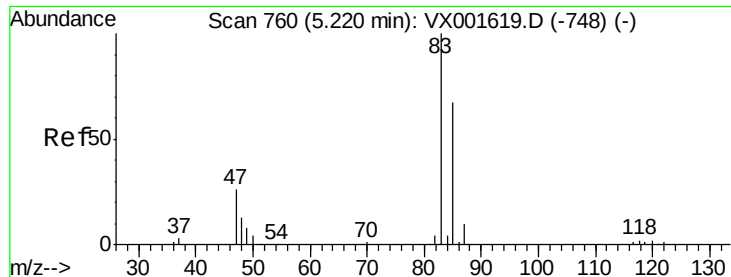
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#24
 Methyl tert-Butyl Ether
 Concen: 4.84 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion: 73 Resp: 48999
 Ion Ratio Lower Upper
 73 100
 43 21.1 16.3 24.5





#25

Chloroform

Concen: 4.74 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 83 Resp: 28386

Ion Ratio Lower Upper

83 100

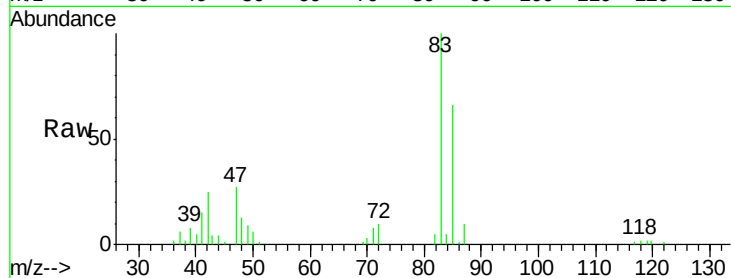
85 65.9 53.9 80.9

Manual Integrations

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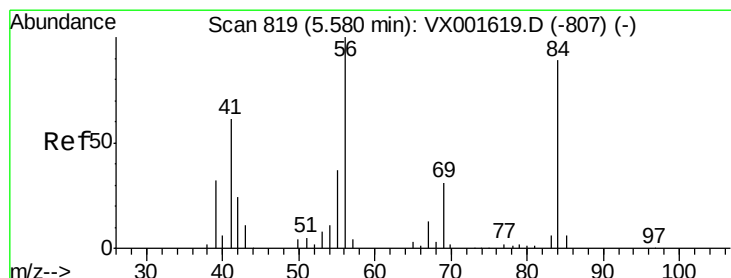
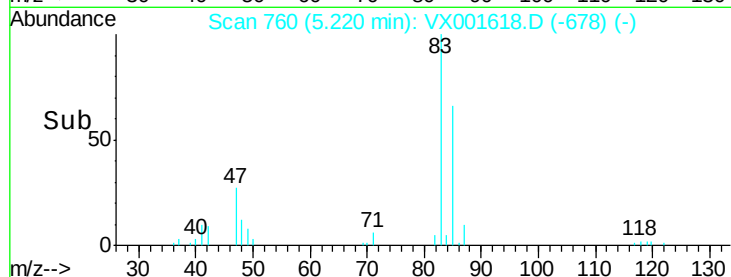
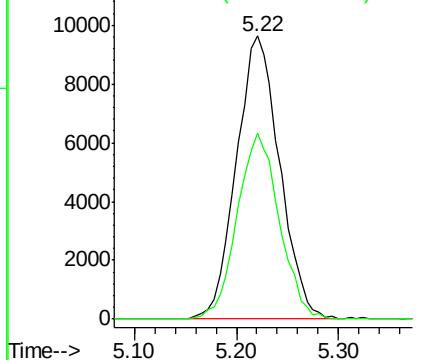
apatel

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 3.54 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

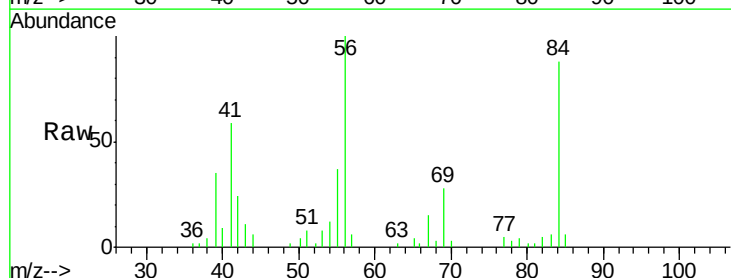
Tgt Ion: 56 Resp: 17254

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

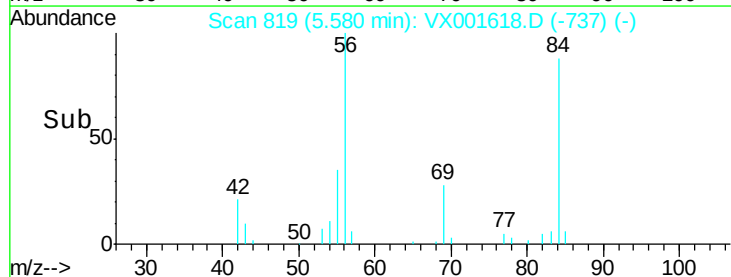
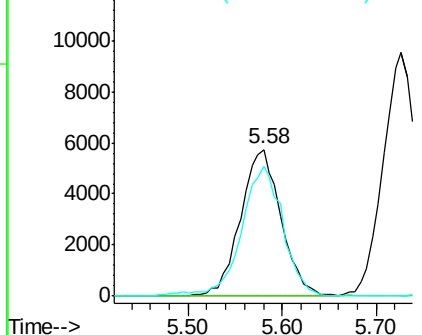
84 88.0 72.2 108.4

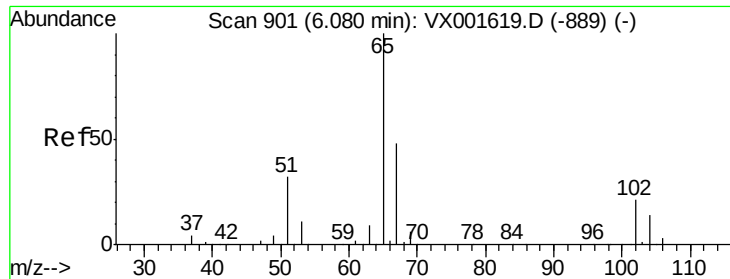


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





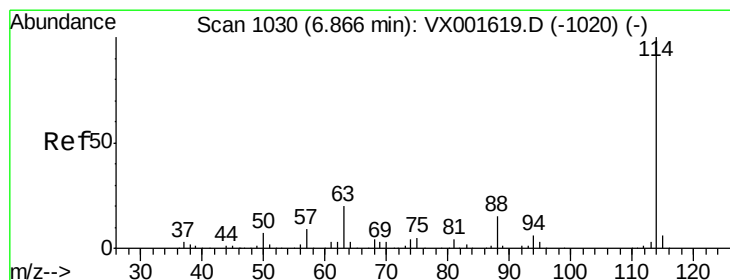
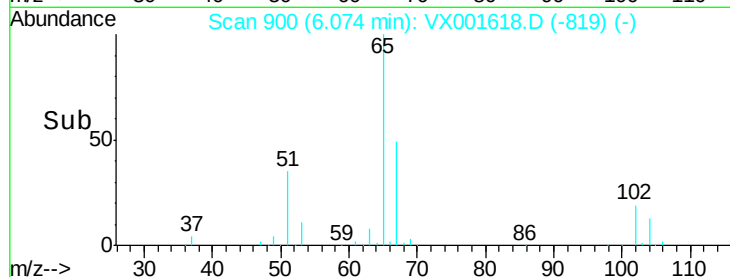
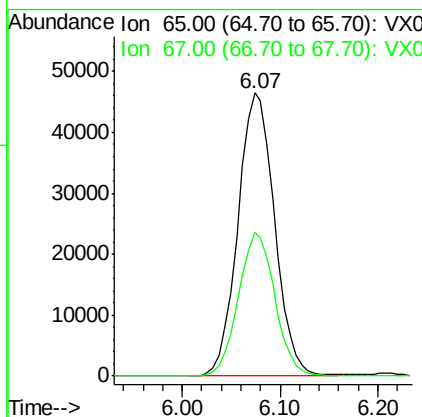
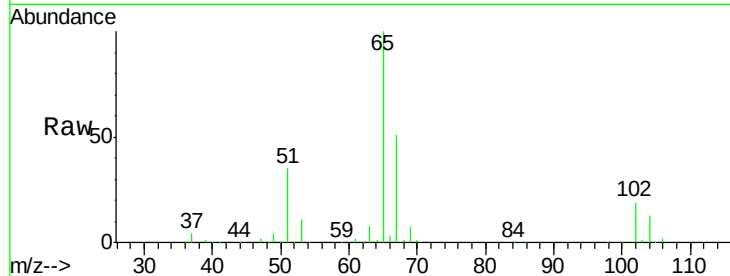
#27
 1,2-Dichloroethane-d4
 Concen: 30.63 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.4	40.2	60.2

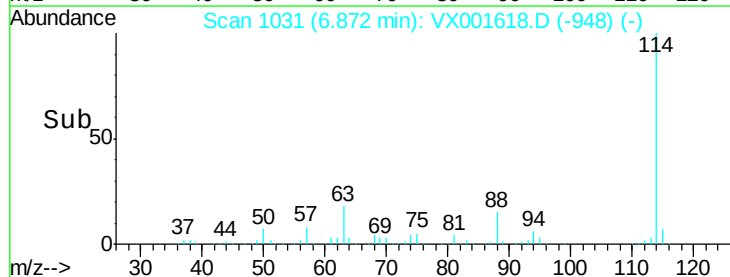
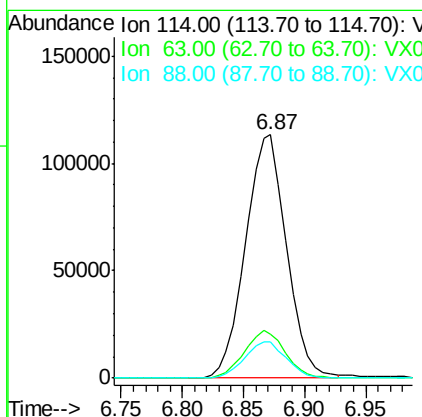
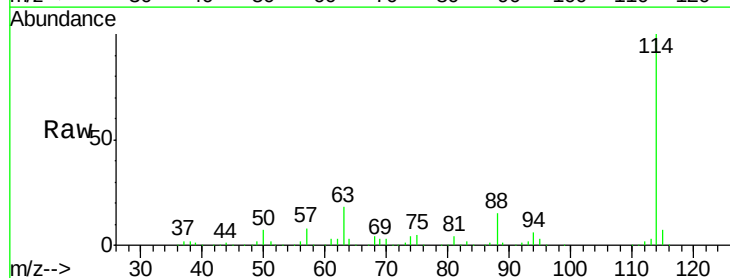
Manual Integrations
 APPROVED

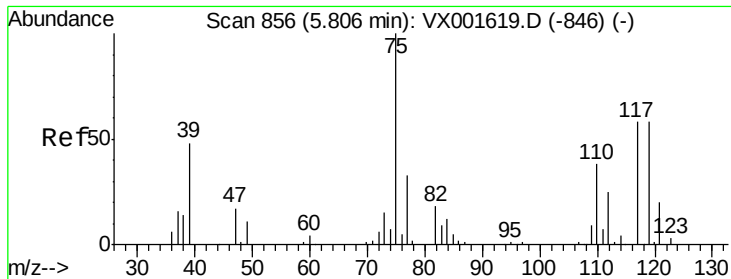
apatel
 5/14/2018 3:57:25 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	15.5	23.3
88	15.2	12.2	18.4





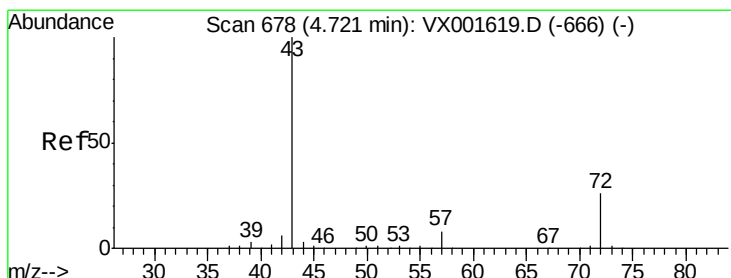
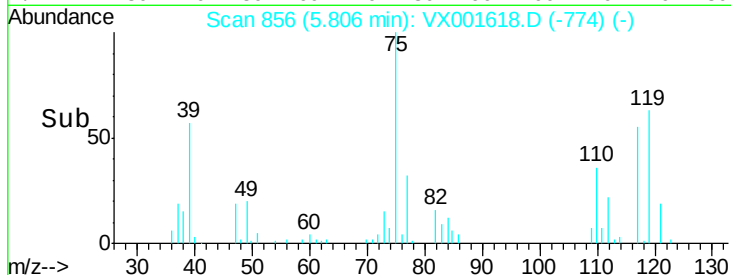
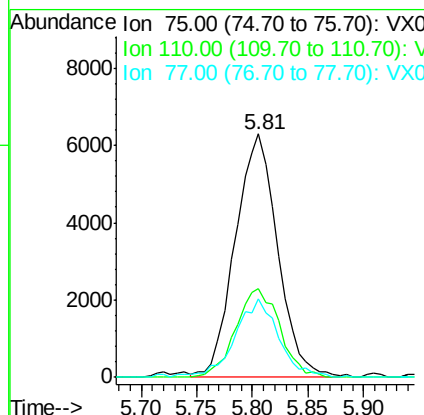
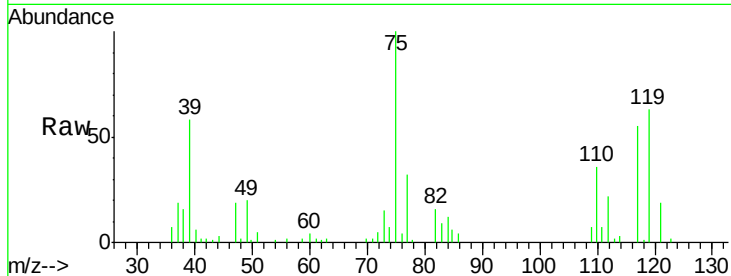
#29
 1,1-Dichloropropene
 Concen: 4.32 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.0	0.0	74.6
77	31.9	0.0	62.4

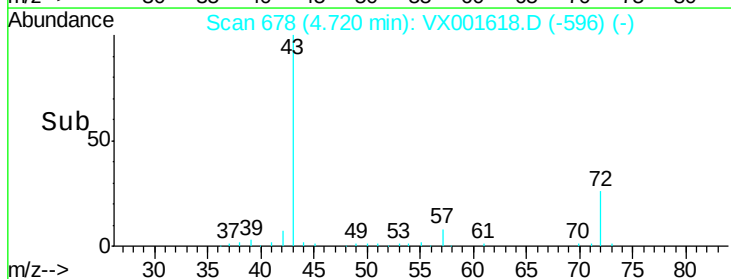
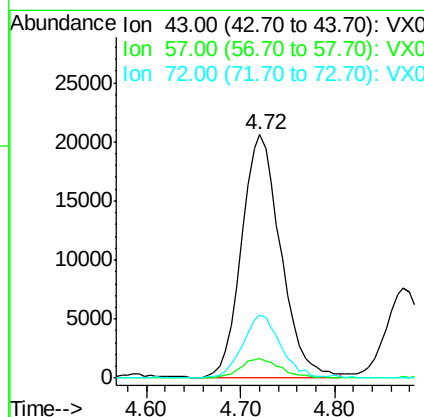
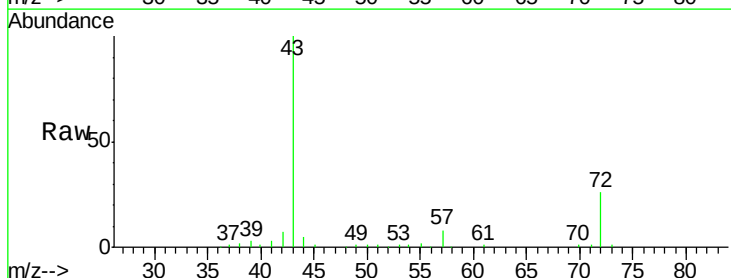
Manual Integrations
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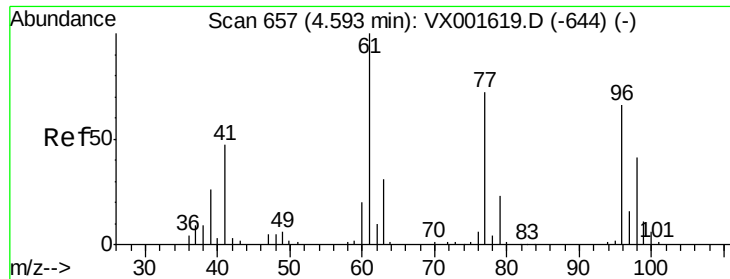
apatel
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#30
 2-Butanone
 Concen: 29.01 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.3	9.5
72	25.0	20.2	30.4





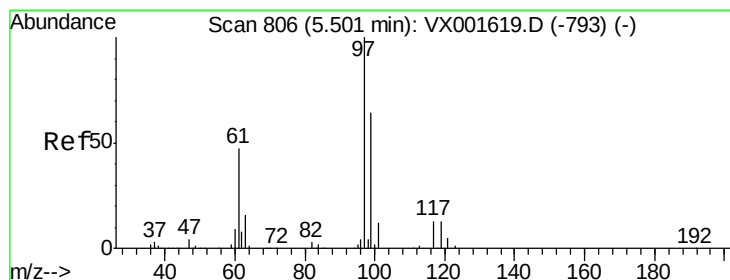
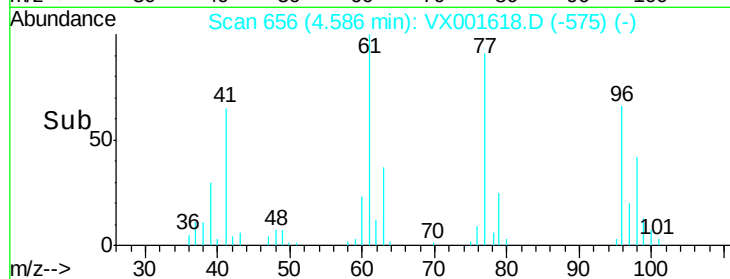
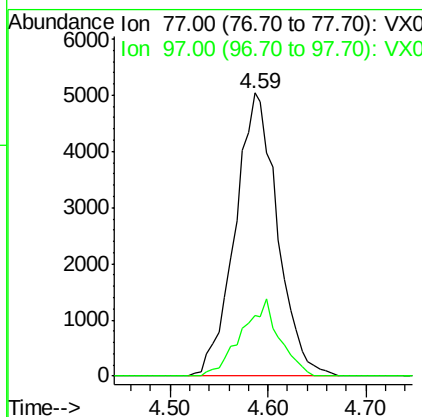
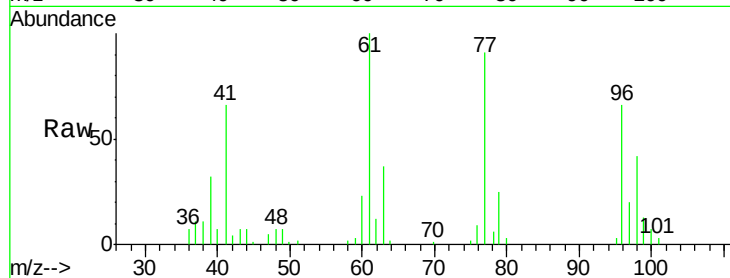
#31
 2,2-Dichloropropane
 Concen: 3.76 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 15170
 Ion Ratio Lower Upper
 77 100
 97 24.2 19.3 28.9

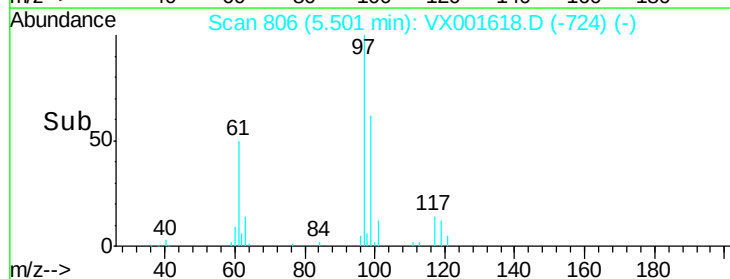
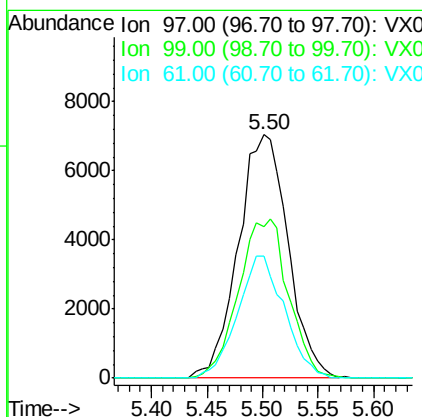
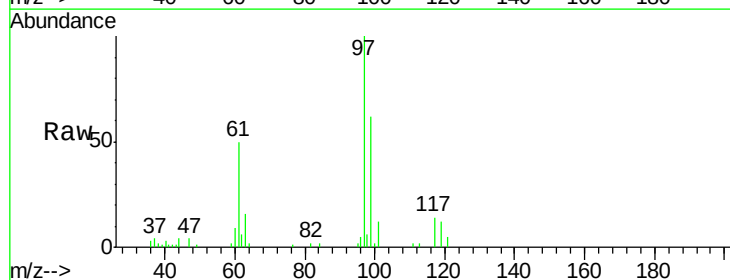
Manual Integrations
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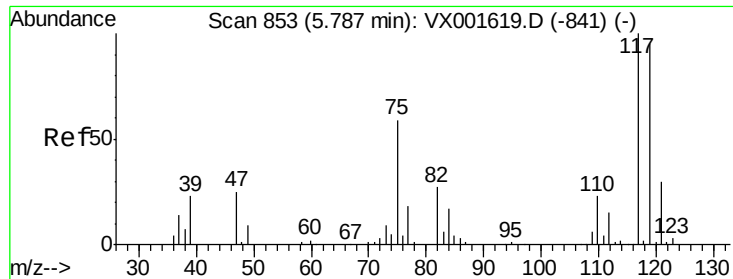
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#32
 1,1,1-Trichloroethane
 Concen: 4.65 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion: 97 Resp: 21899
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.7 77.5
 61 47.1 35.6 53.4





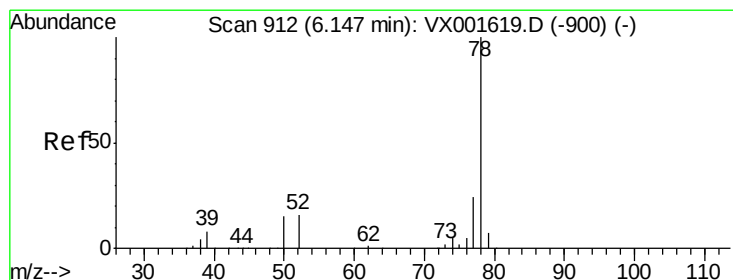
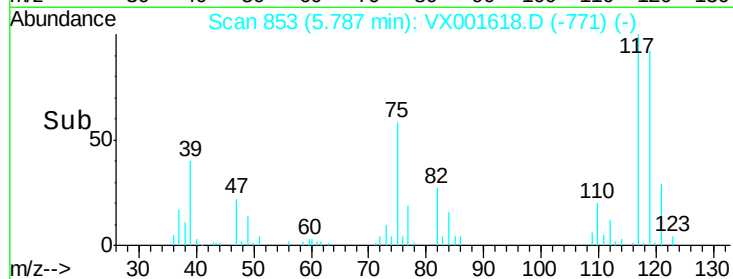
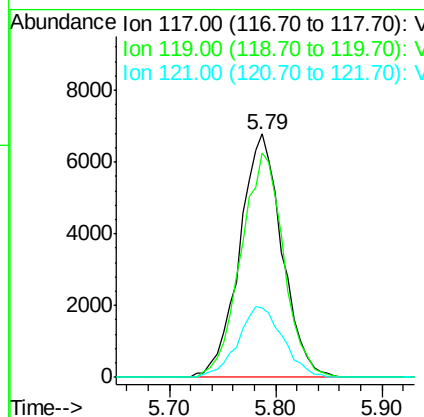
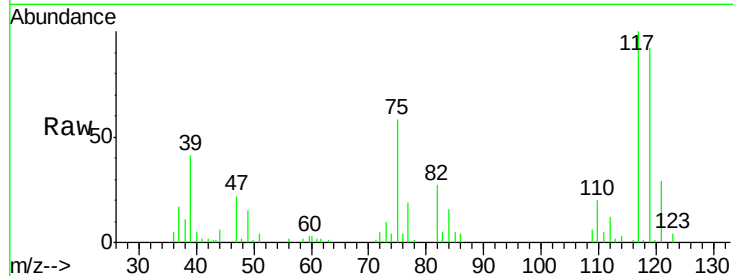
#33
Carbon Tetrachloride
Concen: 4.46 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 18924
Ion Ratio Lower Upper
117 100
119 92.1 75.7 113.5
121 28.6 24.3 36.5

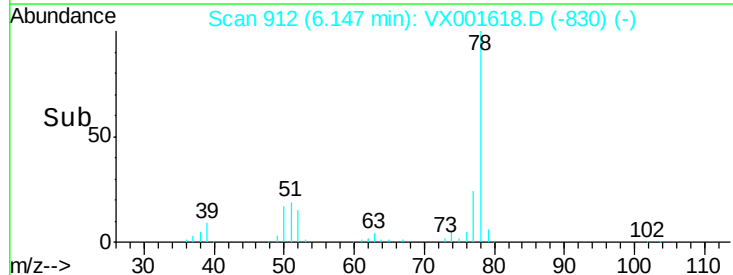
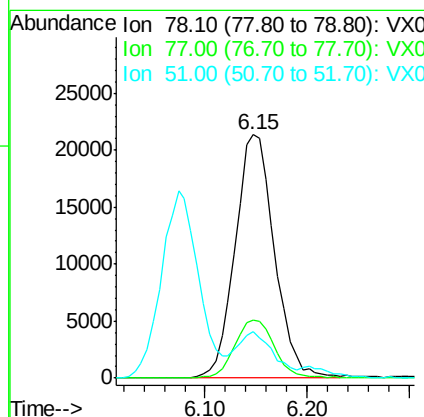
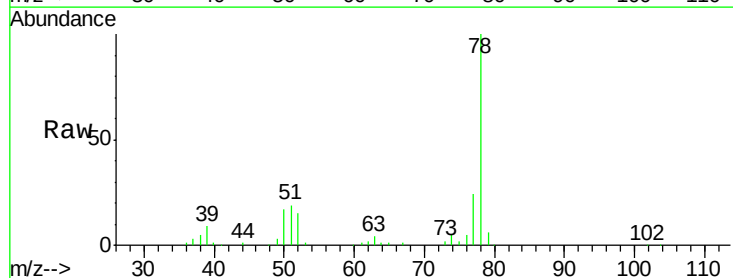
Manual Integrations
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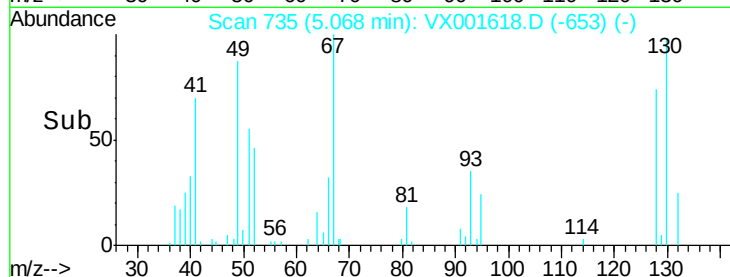
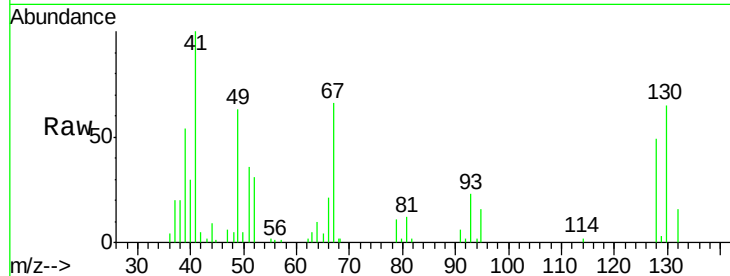
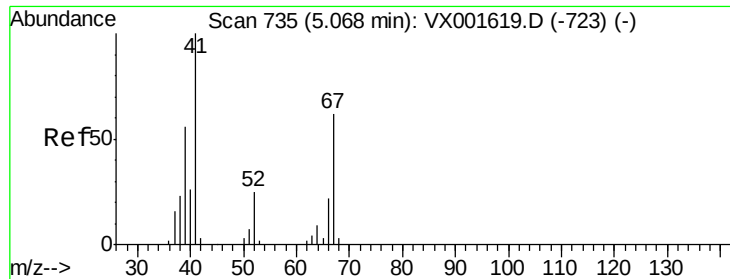
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#34
Benzene
Concen: 4.95 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion: 78 Resp: 57098
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2
51 17.2 13.5 20.3





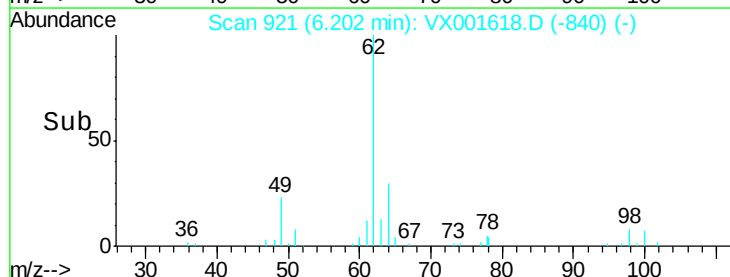
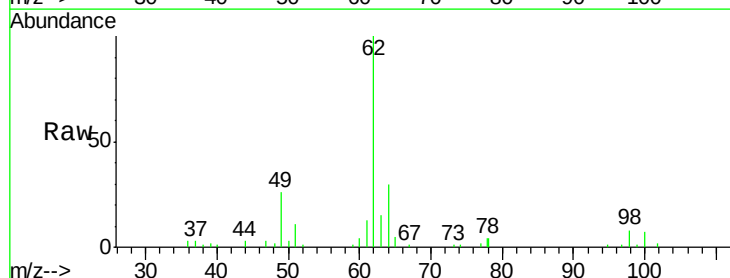
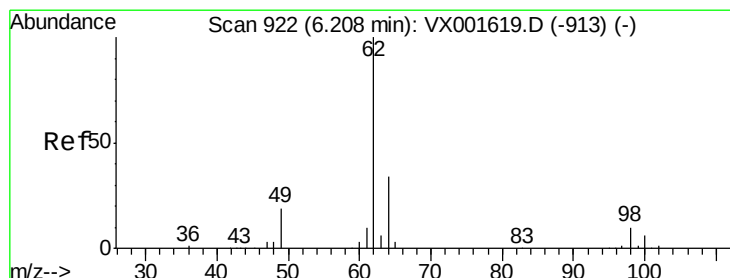
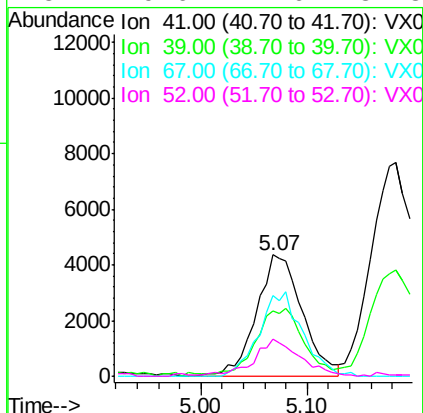
#35
Methacrylonitrile
Concen: 5.70 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tot Ion	41	Resp	13052
Ion	Ratio	Lower	Upper
41	100		
39	50.8	27.9	83.6
67	66.2	30.9	92.5
52	29.6	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

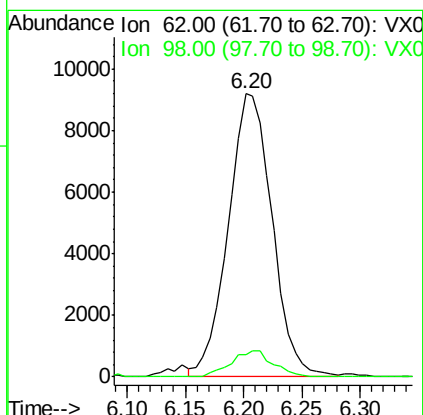
Manual Integrations
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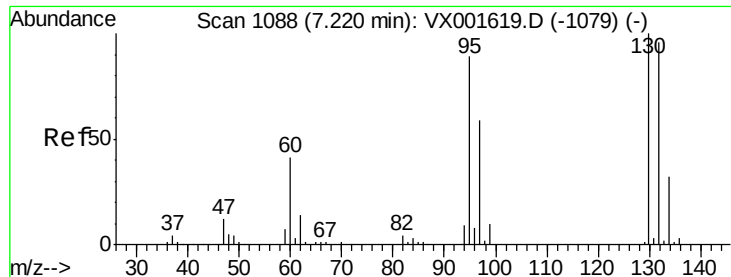
apatel
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#36
1,2-Dichloroethane
Concen: 5.38 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	62	Resp	24091
Ion	Ratio	Lower	Upper
62	100		
98	8.9	7.7	11.5





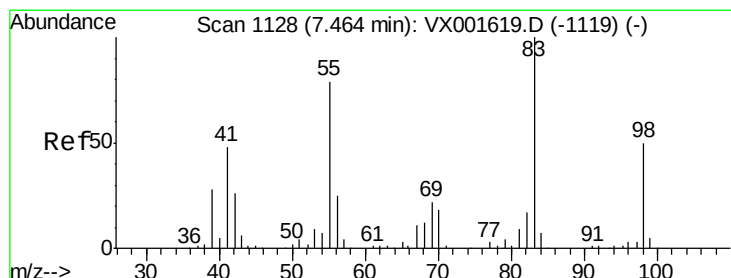
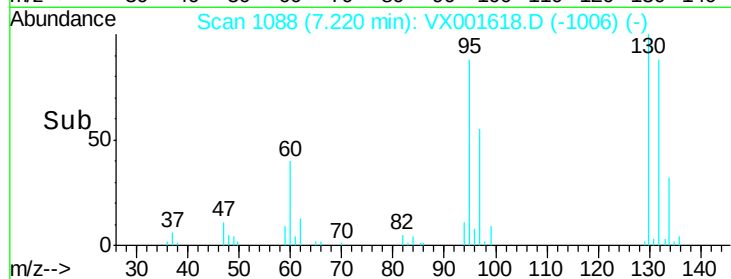
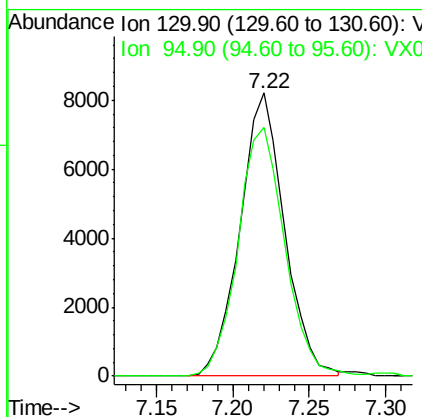
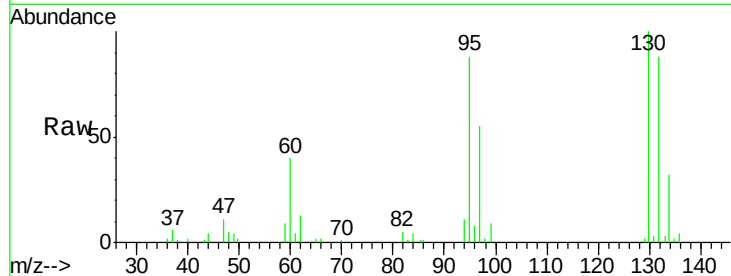
#37
 Trichloroethene
 Concen: 4.76 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 16615
 Ion Ratio Lower Upper
 130 100
 95 87.7 71.4 107.2

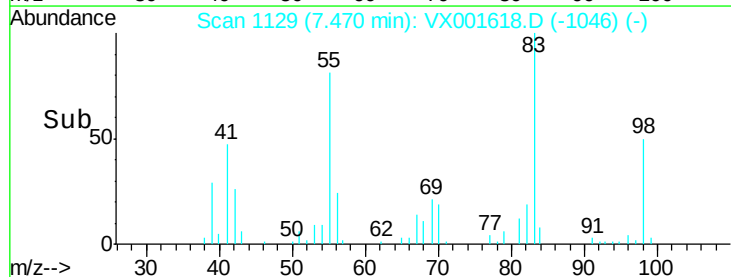
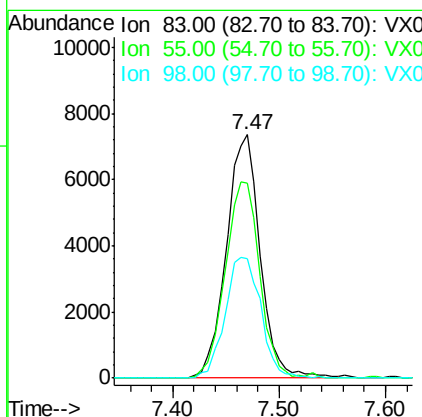
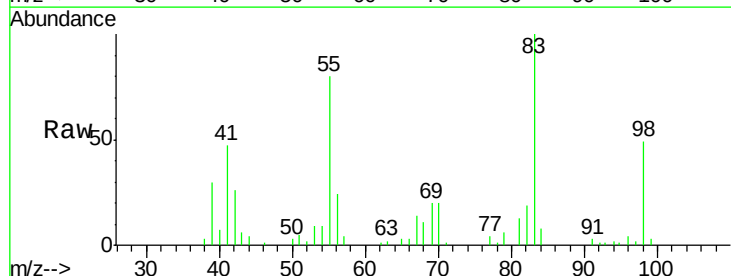
Manual Integrations
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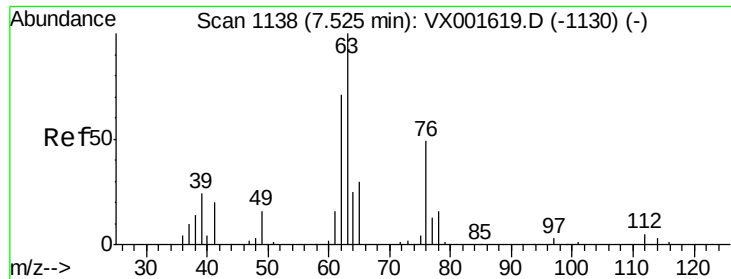
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#38
 Methylcyclohexane
 Concen: 3.66 ug/l
 RT: 7.47 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion: 83 Resp: 16374
 Ion Ratio Lower Upper
 83 100
 55 82.1 39.6 118.7
 98 52.3 25.0 75.0





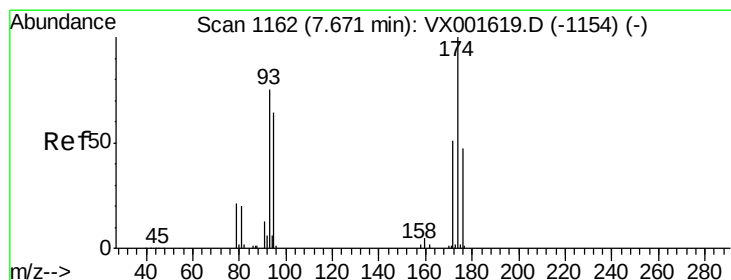
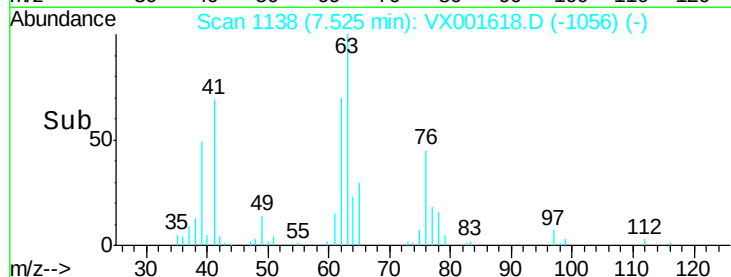
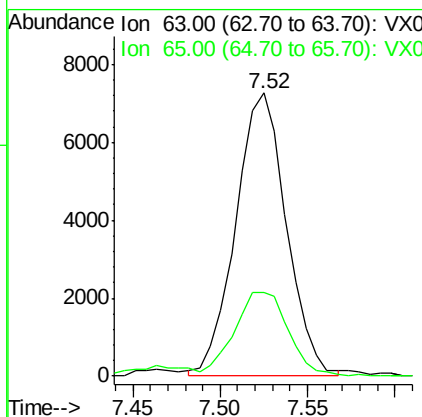
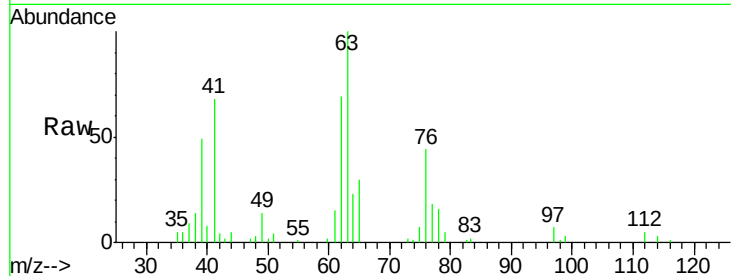
#39
 1,2-Dichloropropane
 Concen: 5.01 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	25.3	37.9

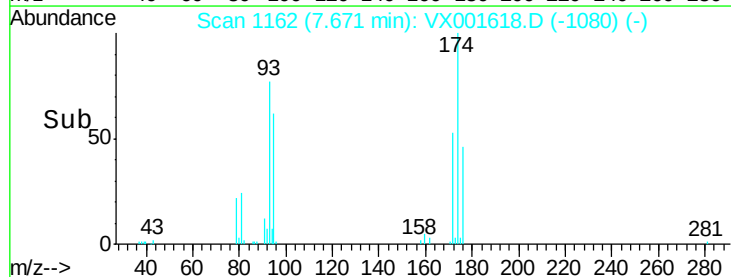
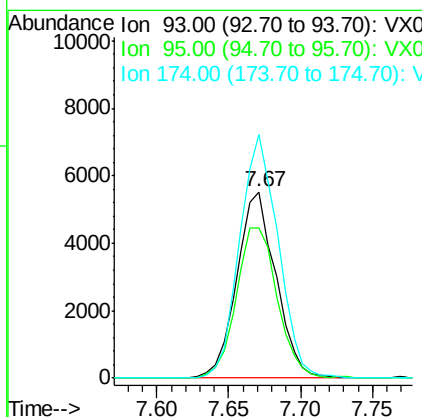
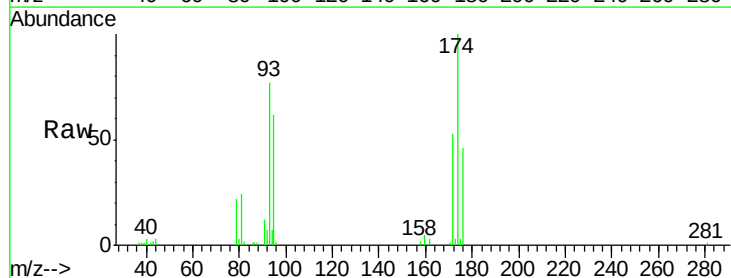
Manual Integrations
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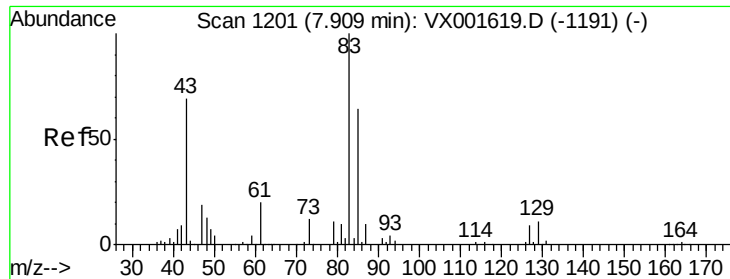
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#40
 Dibromomethane
 Concen: 5.03 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	0.0	166.2
174	128.5	0.0	259.2





#41

Bromodichloromethane

Concen: 4.67 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001618.D

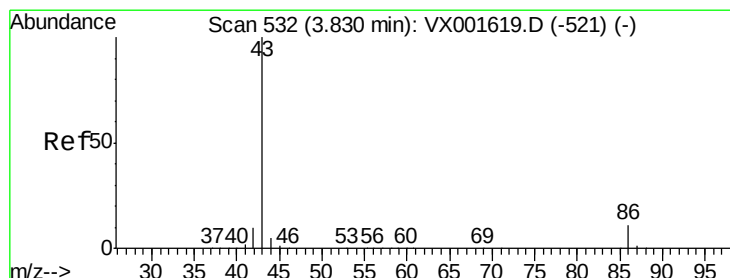
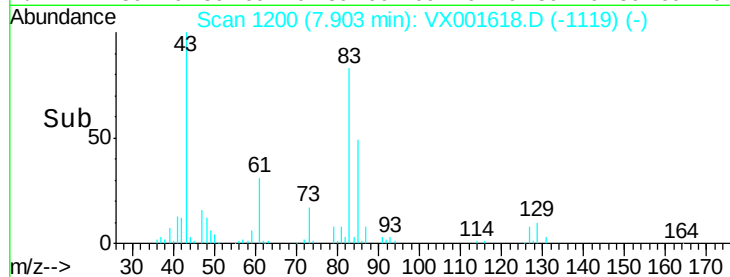
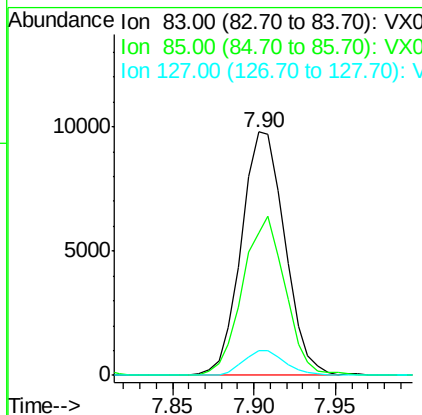
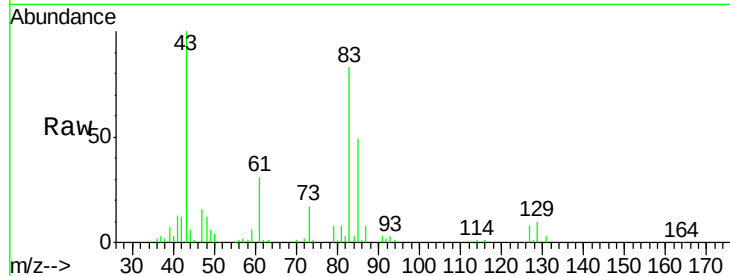
Acq: 10 May 2018 23:02

Tot Ion:	83	Resp:	18210
Ion Ratio	Lower	Upper	
83	100		
85	58.5	51.3	76.9
127	10.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
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#42

Vinyl Acetate

Concen: 23.69 ug/l

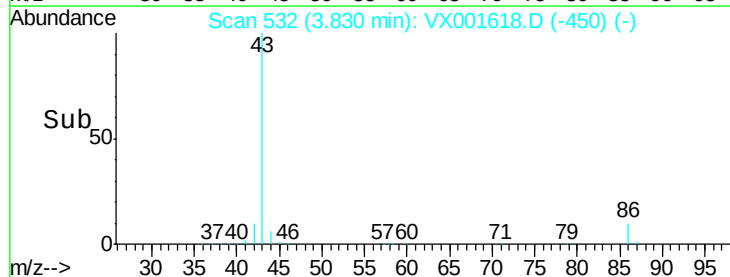
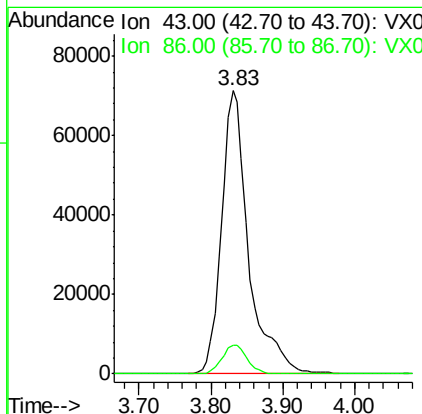
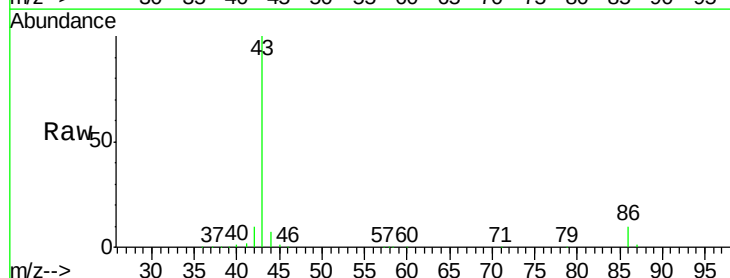
RT: 3.83 min Scan# 532

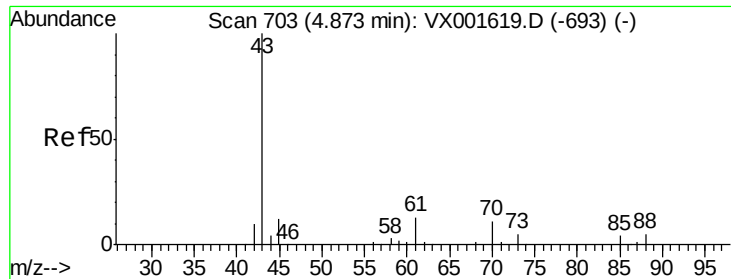
Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Tgt Ion:	43	Resp:	185596
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.4	11.2





#43

Ethyl Acetate

Concen: 5.63 ug/l

RT: 4.87 min Scan# 703

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 22540

Ion Ratio Lower Upper

43 100

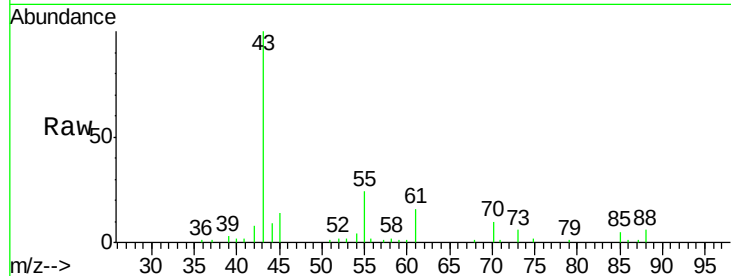
45 6.7 12.7 19.1#

Manual Integrations

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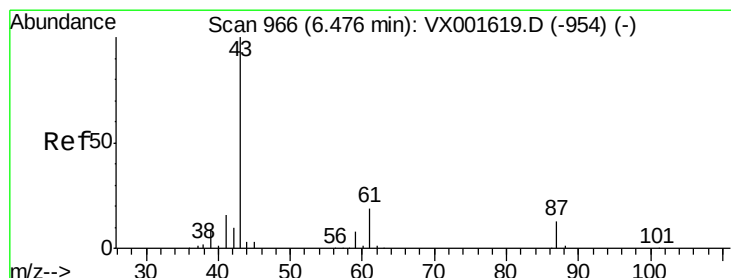
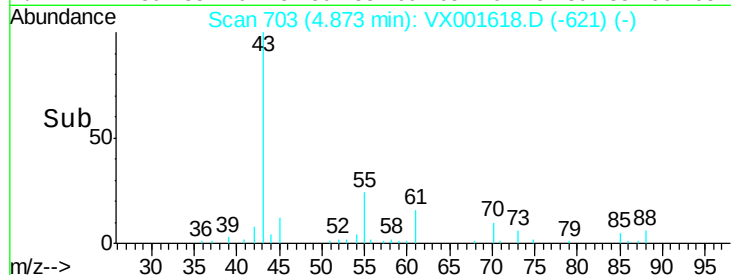
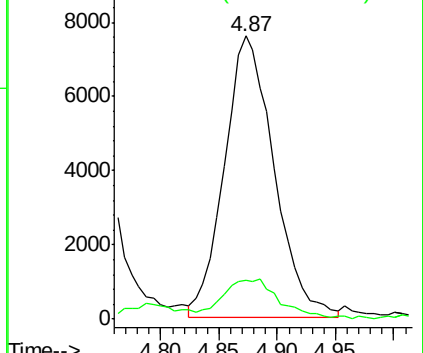
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 4.99 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001618.D

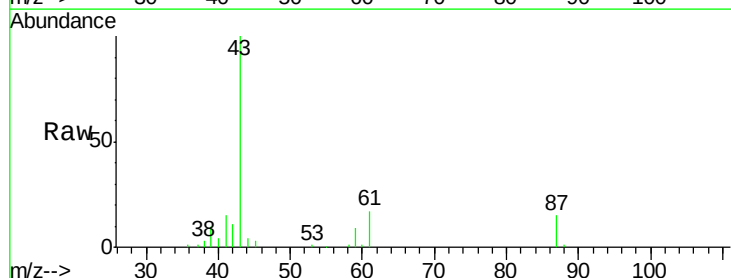
Acq: 10 May 2018 23:02

Tgt Ion: 43 Resp: 33084

Ion Ratio Lower Upper

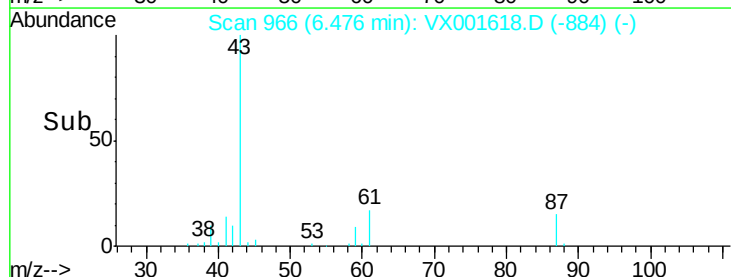
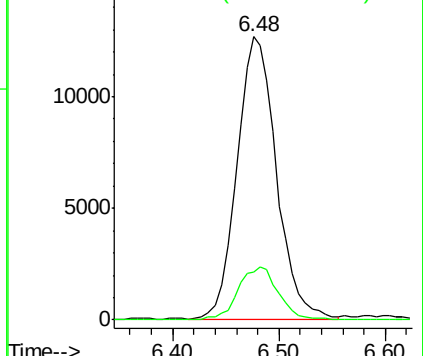
43 100

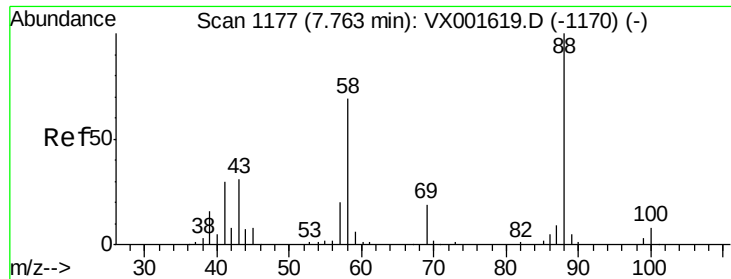
61 18.7 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





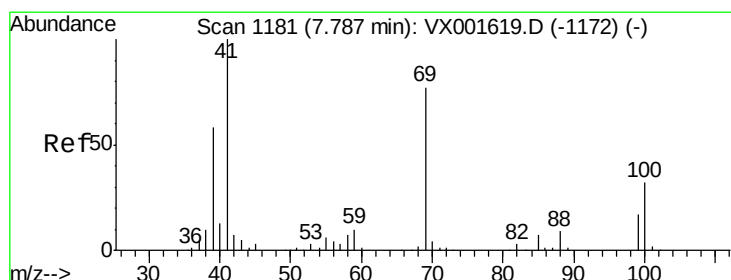
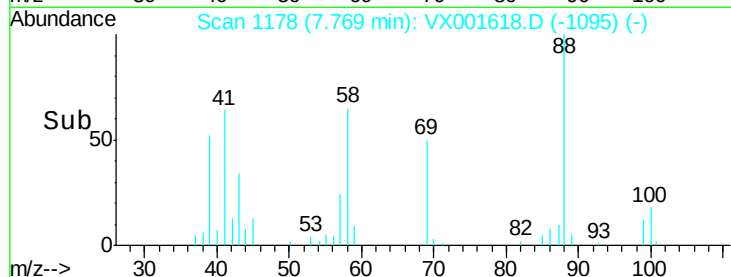
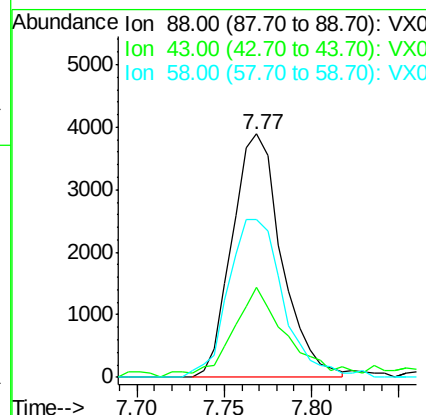
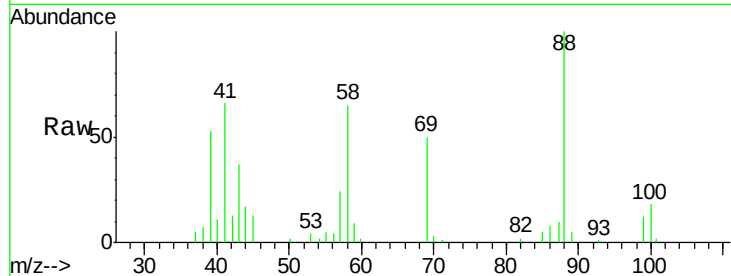
#45
1,4-Dioxane
Concen: 118.66 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	27.9	41.9
58	71.4	55.3	82.9

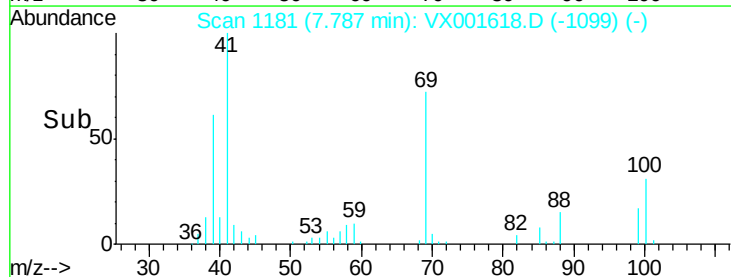
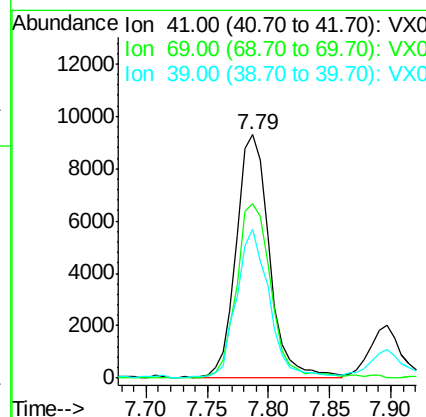
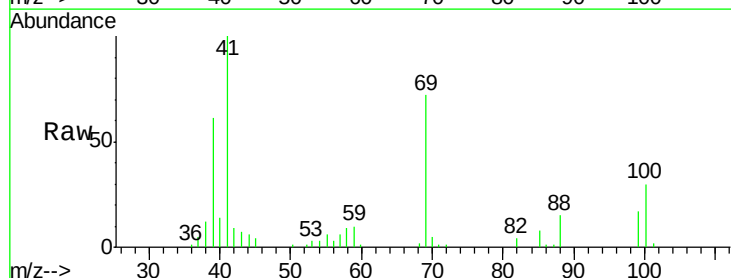
Manual Integrations
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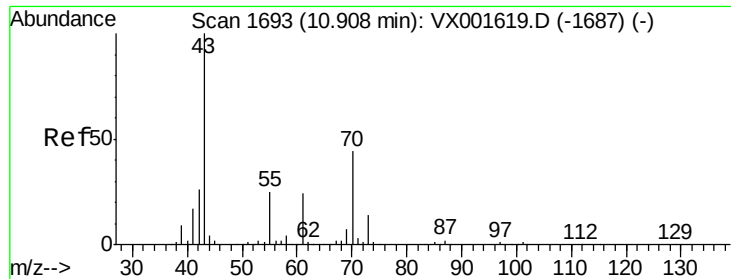
apatel
5/14/2018 3:57:25 PM



#46
Methyl methacrylate
Concen: 5.03 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.9	38.4	115.2
39	60.2	29.0	87.1





#47

n-amvl Acetate

Concen: 3.91 ug/l

RT: 10.91 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24457

Ion Ratio Lower Upper

43 100

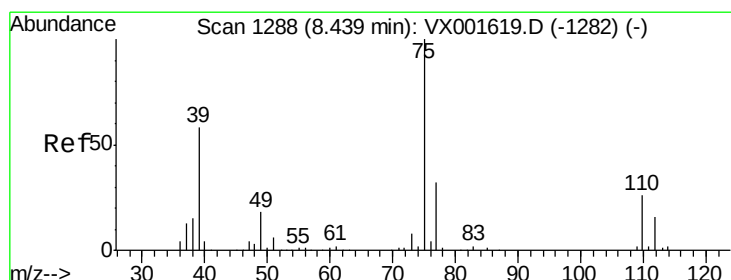
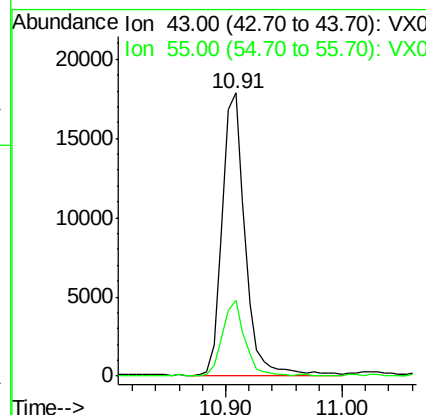
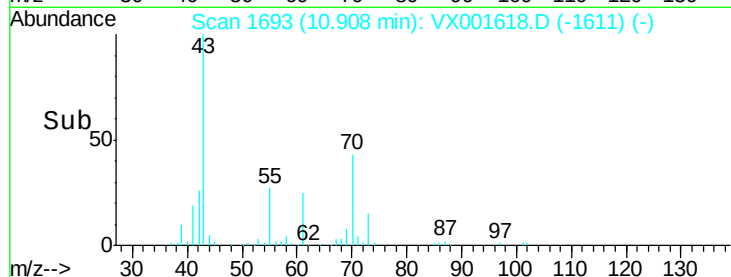
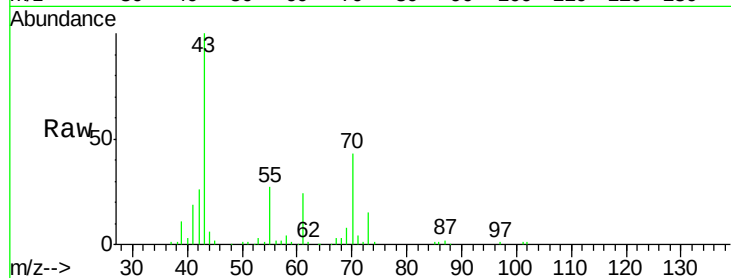
55 25.9 20.8 31.2

Manual Integrations

APPROVED

apatel

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#48

t-1,3-Dichloropropene

Concen: 4.01 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001618.D

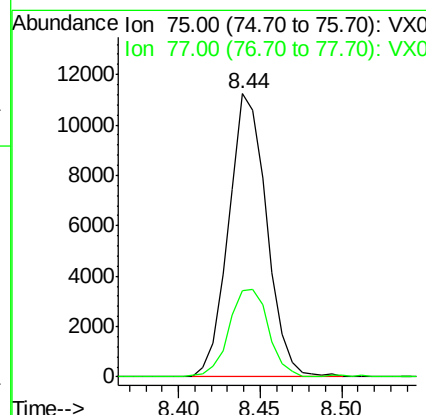
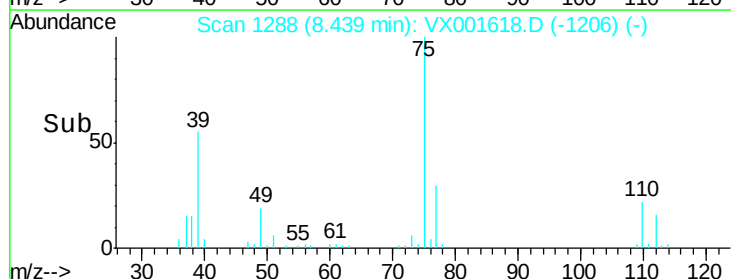
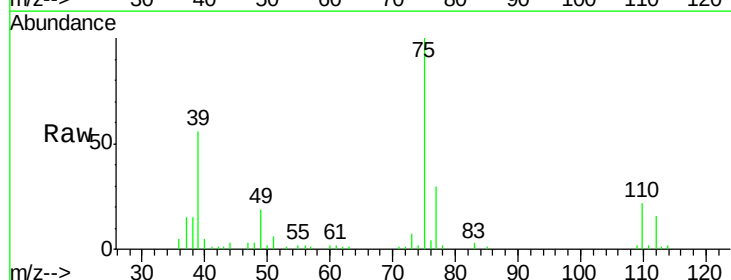
Acq: 10 May 2018 23:02

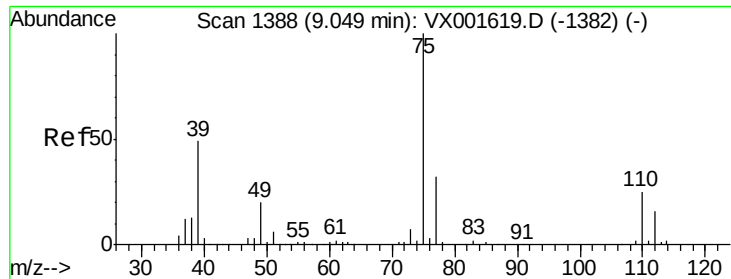
Tgt Ion: 75 Resp: 18221

Ion Ratio Lower Upper

75 100

77 29.9 25.5 38.3





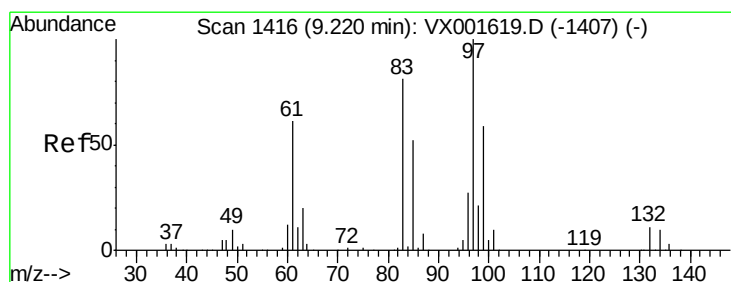
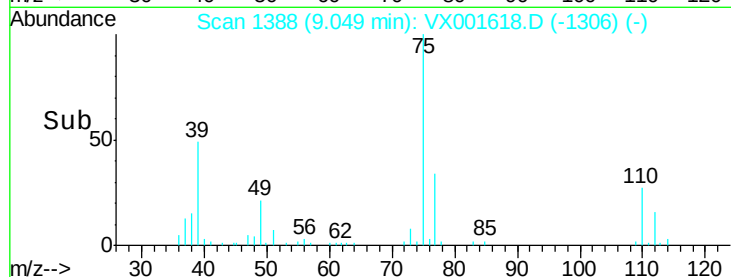
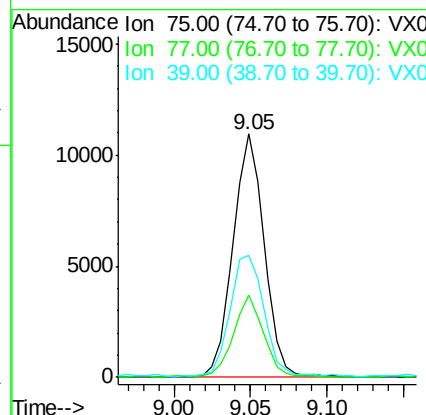
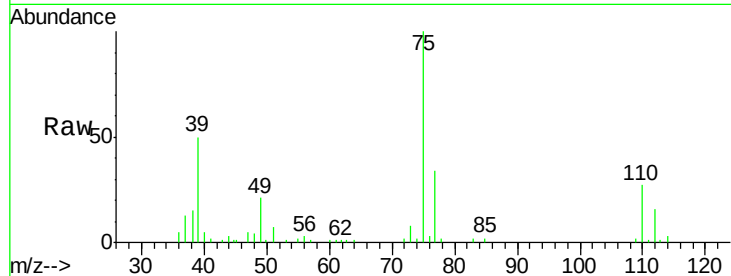
#49
 cis-1,3-Dichloropropene
 Concen: 3.62 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	15521
Ion Ratio	Lower	Upper	
75	100		
77	33.8	25.8	38.6
39	49.5	39.4	59.0

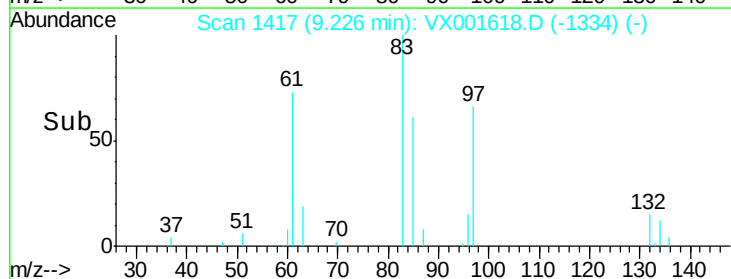
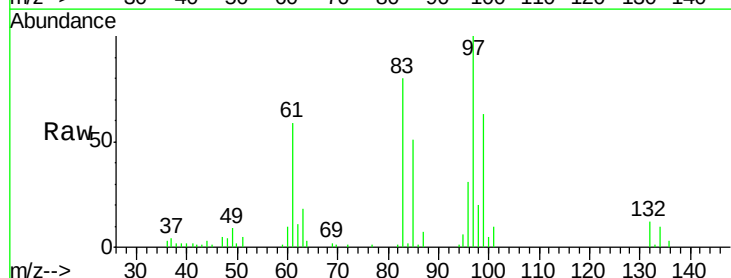
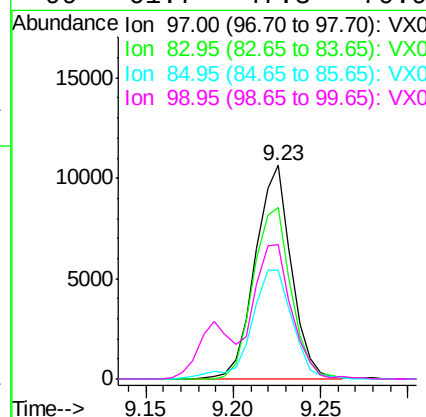
Manual Integrations
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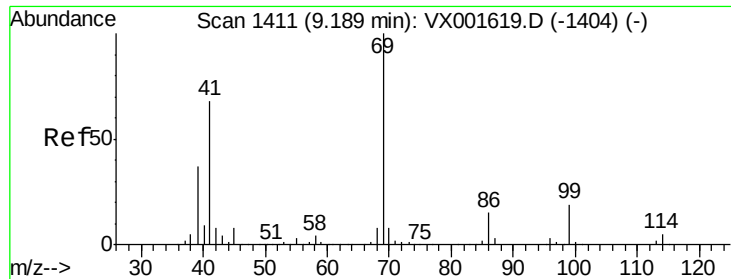
apatel
 5/14/2018 3:57:25 PM



#50
 1,1,2-Trichloroethane
 Concen: 5.00 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion:	97	Resp:	15342
Ion Ratio	Lower	Upper	
97	100		
83	80.5	65.0	97.6
85	50.4	41.5	62.3
99	61.7	47.3	70.9





#51

Ethyl methacrylate

Concen: 4.55 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

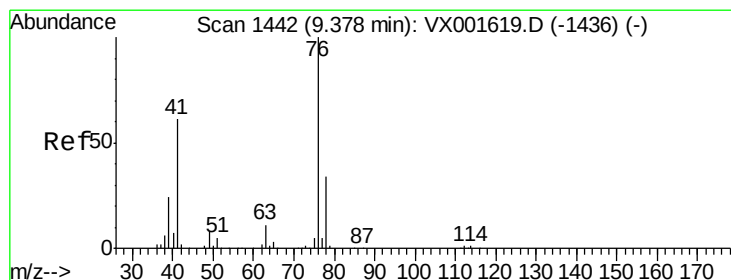
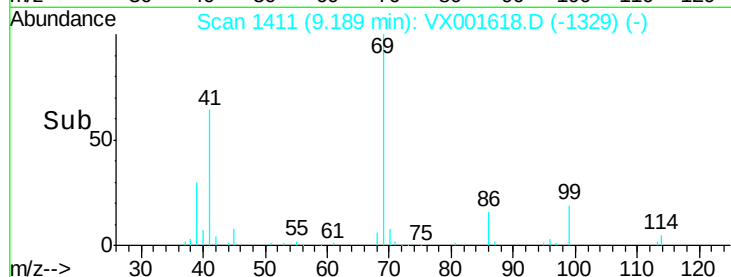
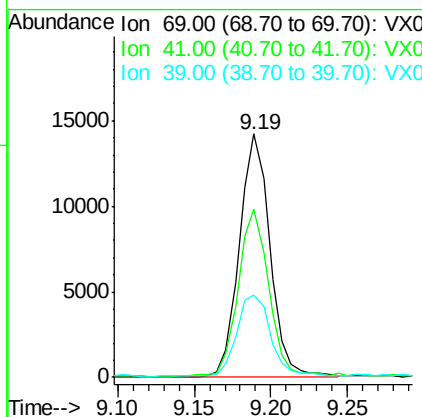
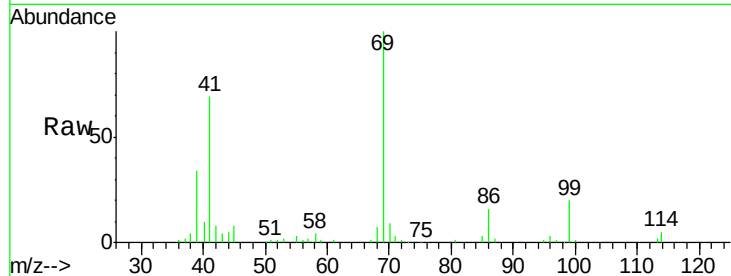
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	19866
Ion	Ratio	Lower	Upper
69	100		
41	68.5	33.9	101.6
39	33.2	18.4	55.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 5.10 ug/l

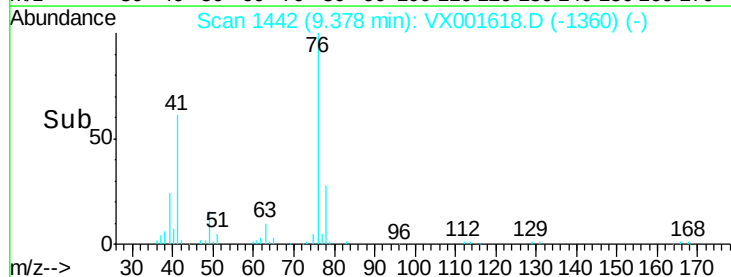
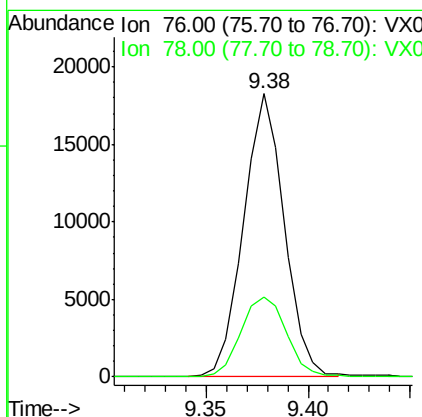
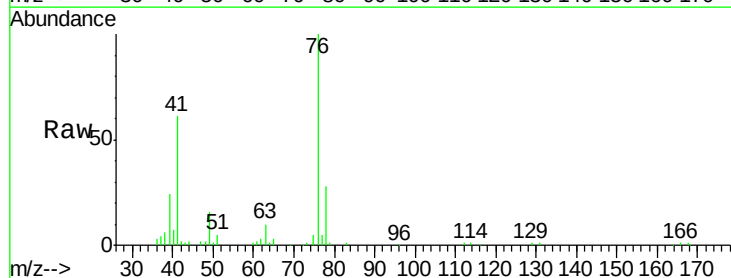
RT: 9.38 min Scan# 1442

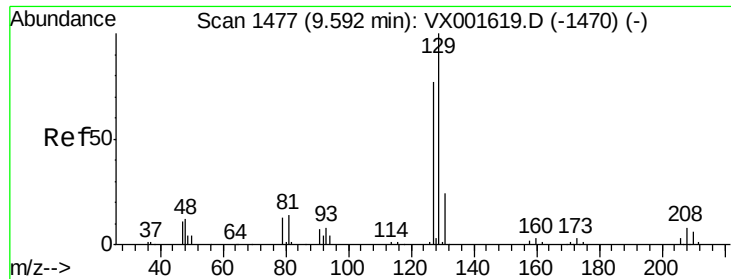
Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Tgt Ion:	76	Resp:	25389
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	65.8





#53

Dibromochloromethane

Concen: 4.17 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 13995

Ion Ratio Lower Upper

129 100

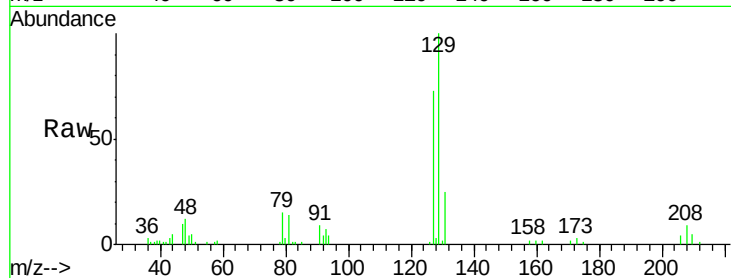
127 76.7 37.9 113.7

Manual Integrations

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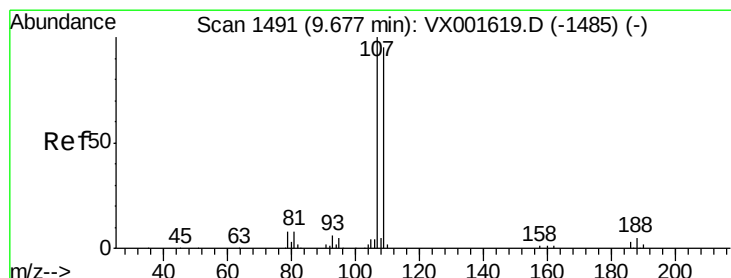
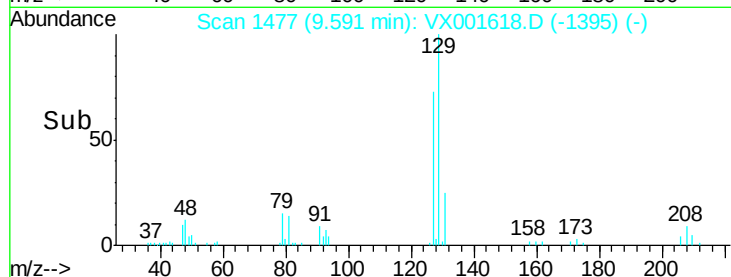
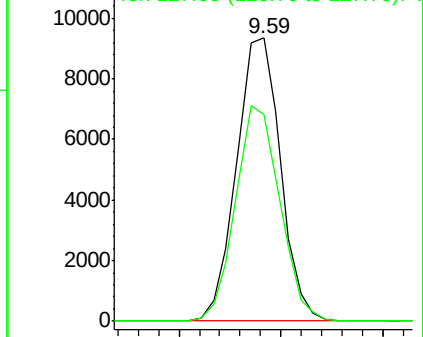
apatel

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.74 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001618.D

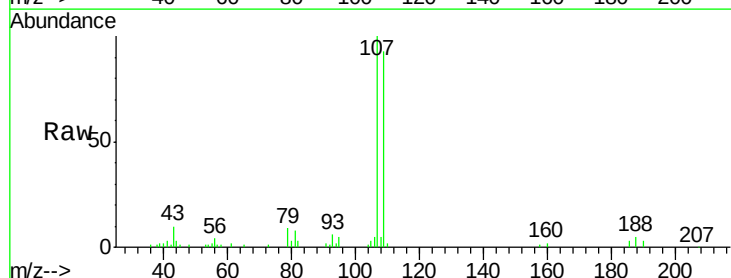
Acq: 10 May 2018 23:02

Tgt Ion:107 Resp: 15635

Ion Ratio Lower Upper

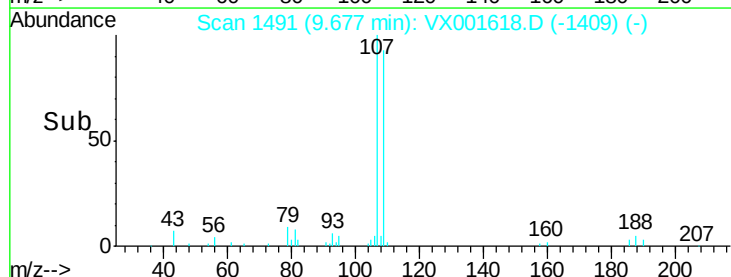
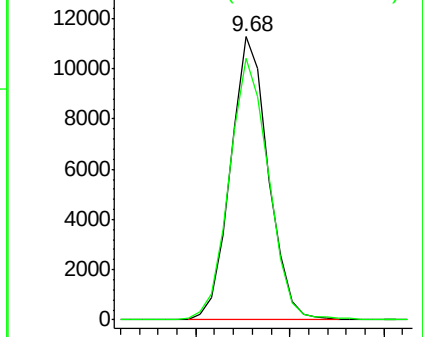
107 100

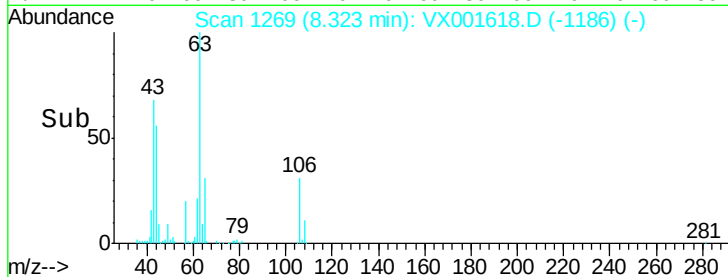
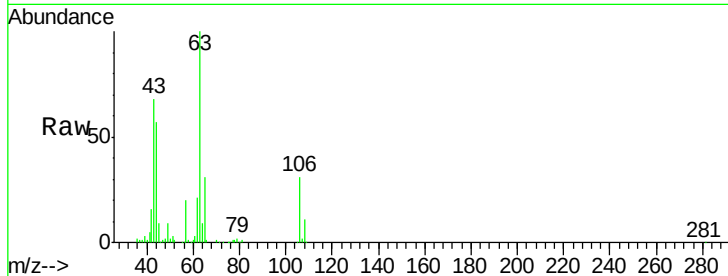
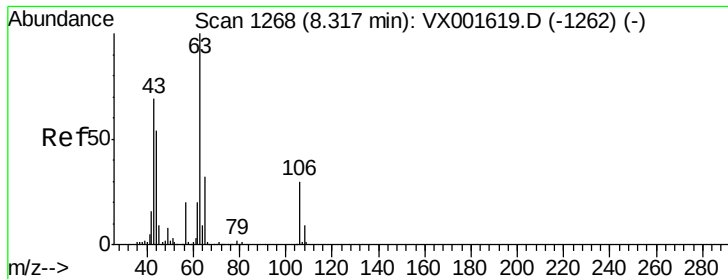
109 96.6 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 24.07 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Tot Ion:	63	Resp:	52400
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.8	38.8
106	31.3	24.8	37.2

Instrument :

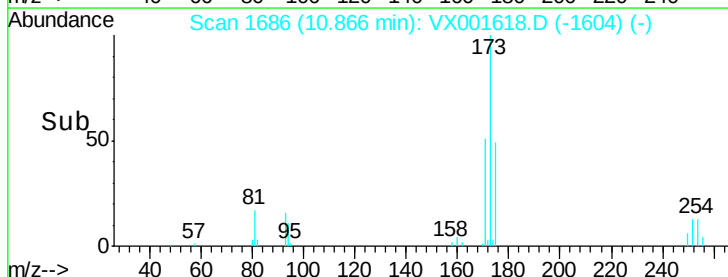
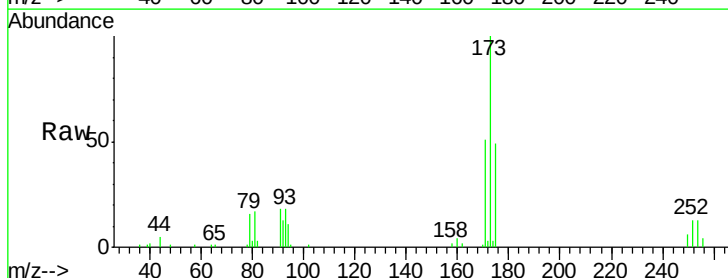
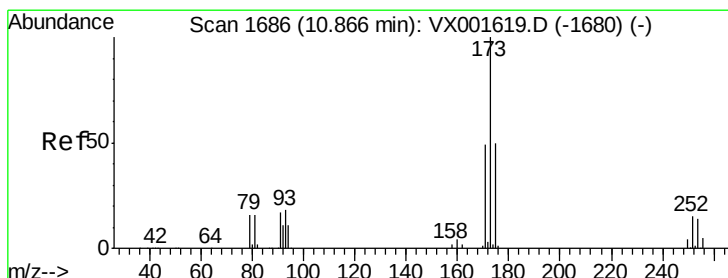
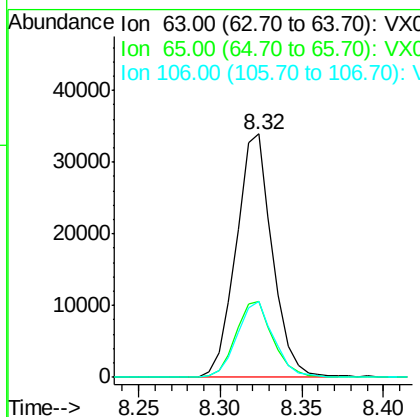
MSVOA_X

ClientSampleId :

VSTDIC005

Manual Integrations
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#56

Bromoform

Concen: 3.71 ug/l

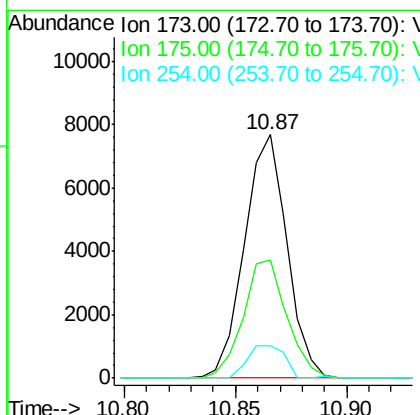
RT: 10.87 min Scan# 1686

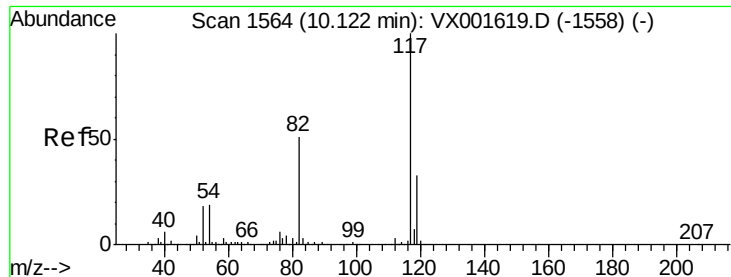
Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Tgt Ion:	173	Resp:	10204
Ion	Ratio	Lower	Upper
173	100		
175	50.0	39.8	59.8
254	11.8	10.7	16.1





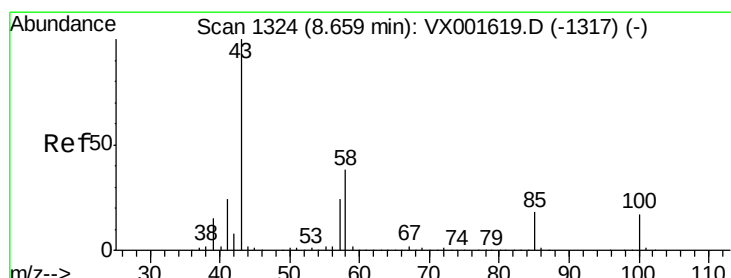
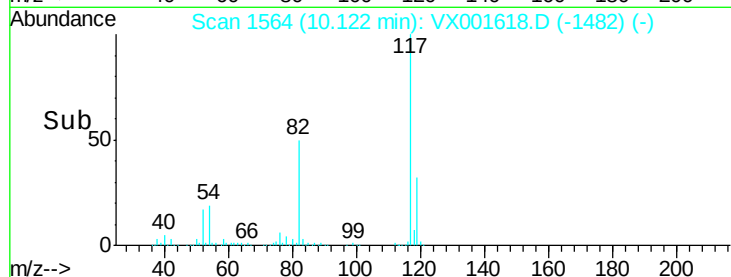
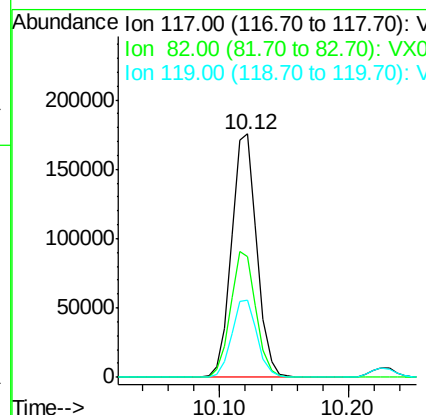
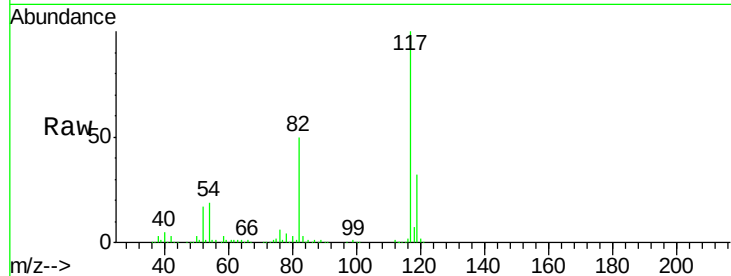
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	242225		
82	51.9		42.2	63.2
119	32.0		26.3	39.5

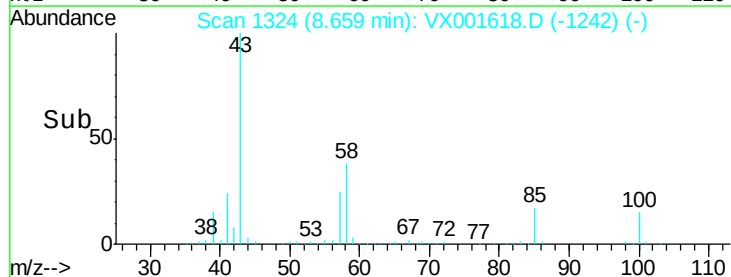
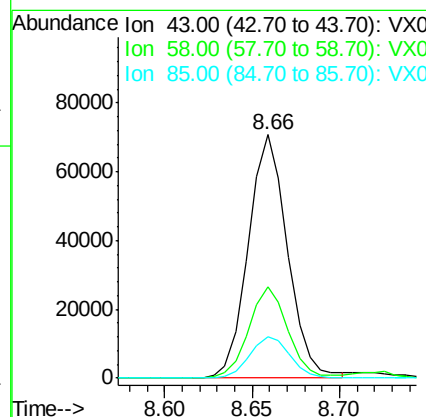
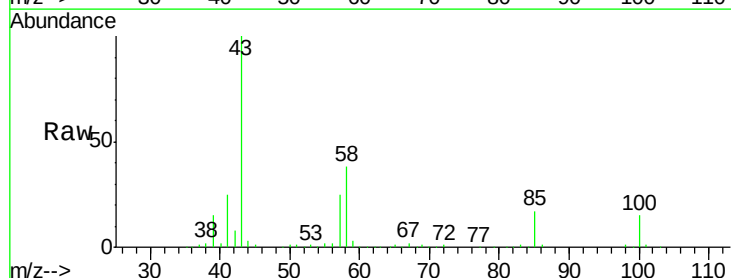
Manual Integrations
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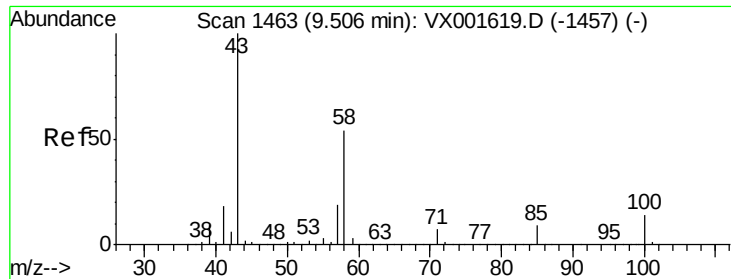
apatel
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#58
4-Methyl-2-Pentanone
Concen: 26.46 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	109778		
58	37.4		30.4	45.6
85	17.6		14.3	21.5





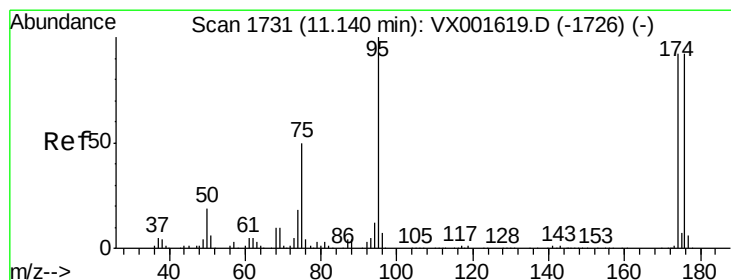
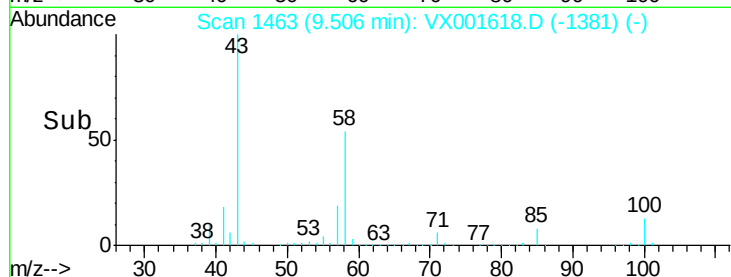
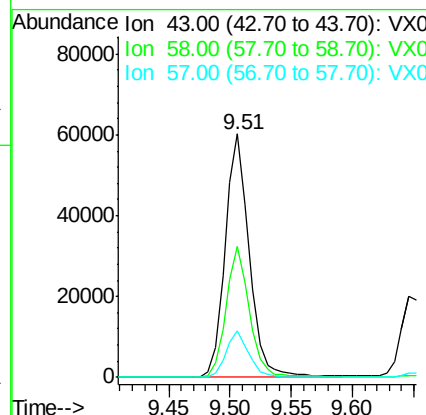
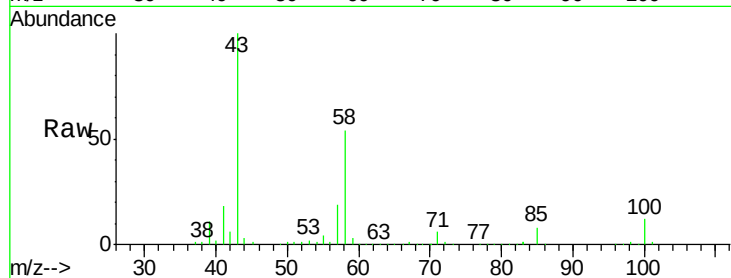
#59
2-Hexanone
Concen: 25.57 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	43.0	64.4
57	18.5	15.4	23.0

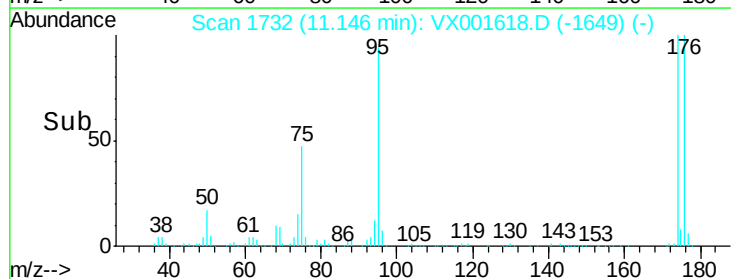
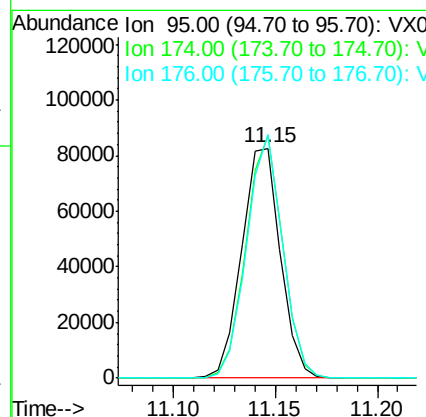
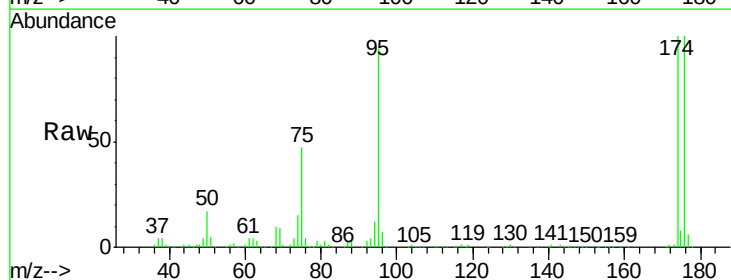
Manual Integrations
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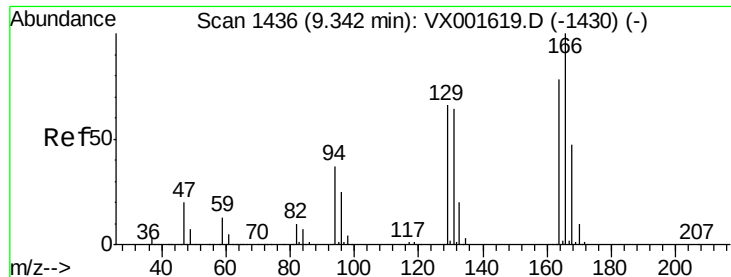
apatel
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#60
4-Bromofluorobenzene
Concen: 26.98 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.1	80.2	120.2
176	98.5	79.2	118.8





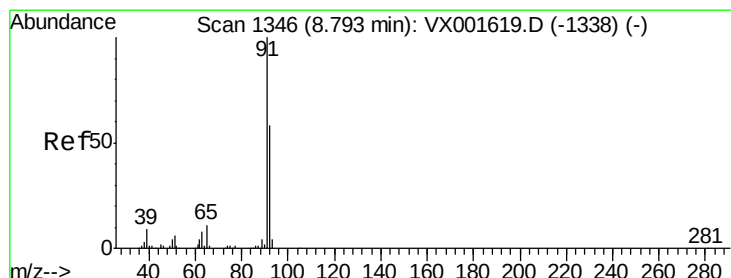
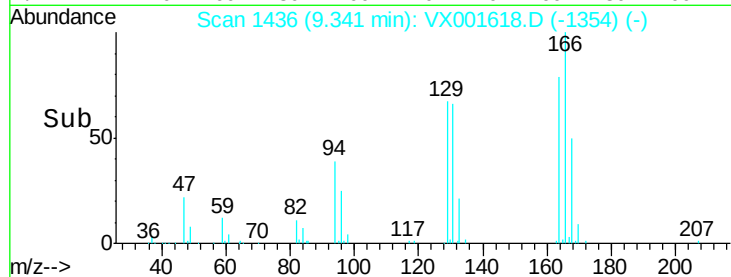
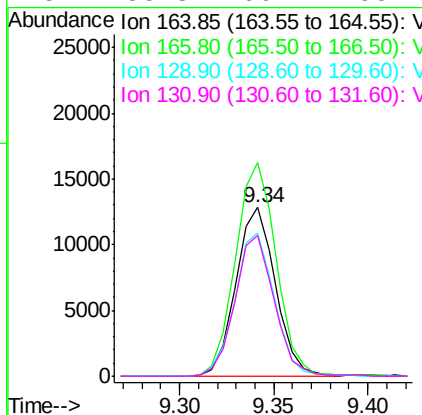
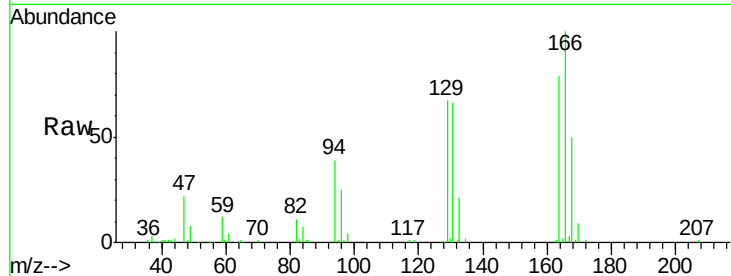
#61
 Tetrachloroethene
 Concen: 5.04 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	164	Resp:	18648
Ion Ratio	Lower	Upper	
164	100		
166	126.9	102.8	154.2
129	85.4	67.8	101.8
131	83.8	66.2	99.2

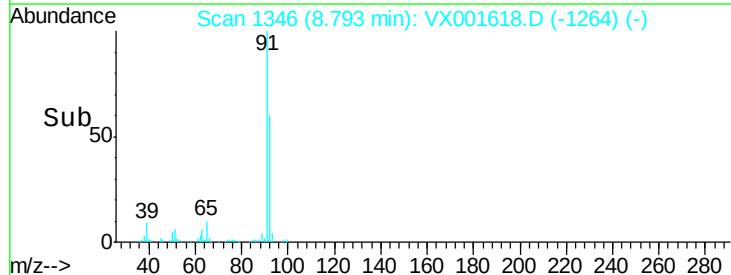
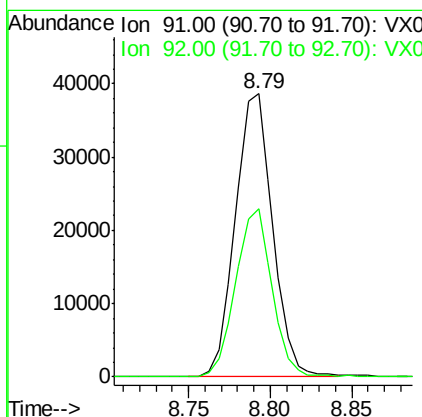
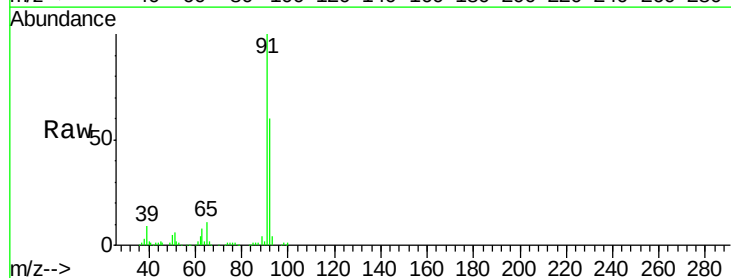
Manual Integrations
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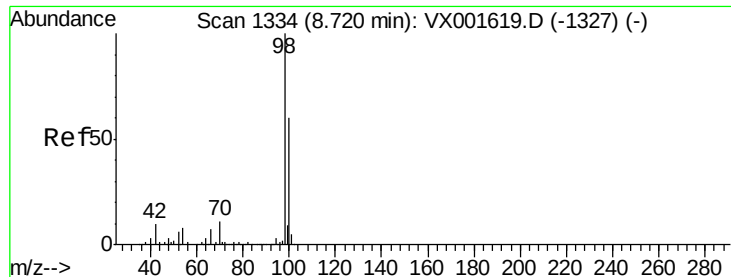
apatel
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#62
 Toluene
 Concen: 4.76 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion:	91	Resp:	61549
Ion Ratio	Lower	Upper	
91	100		
92	57.8	47.4	71.0





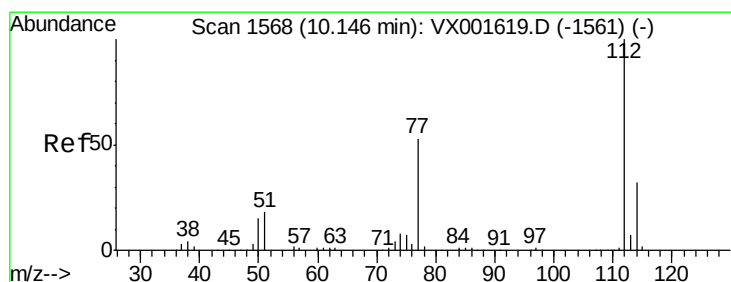
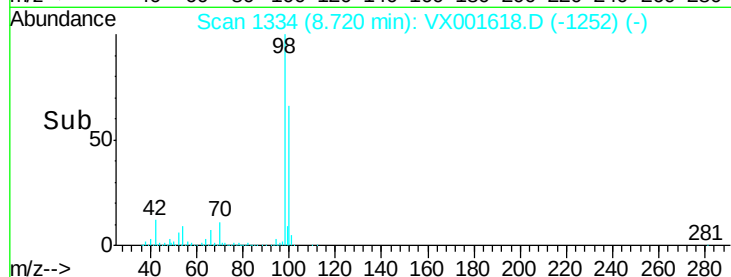
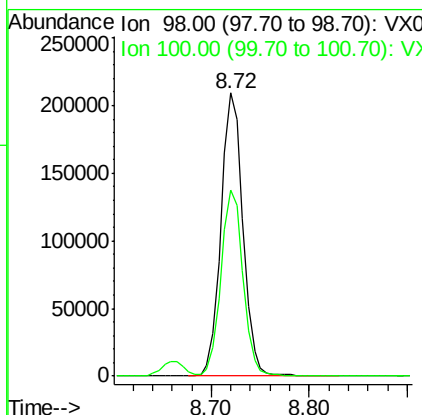
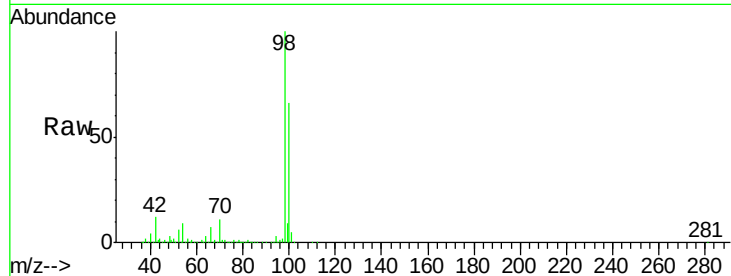
#63
Toluene-d8
Concen: 31.18 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	98	100	Ratio	Lower	Upper
98	100				
100	66.1	52.2			78.2

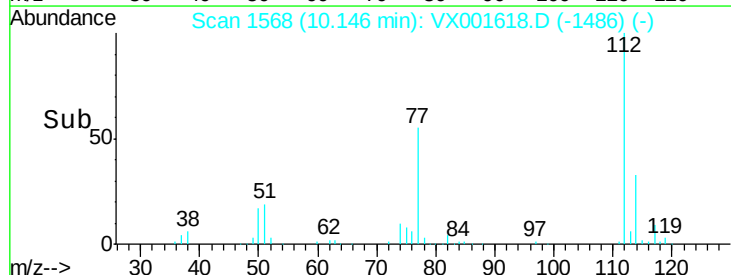
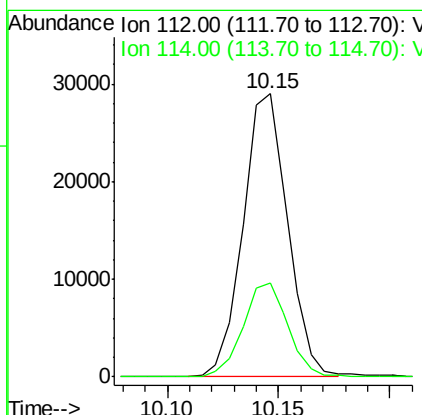
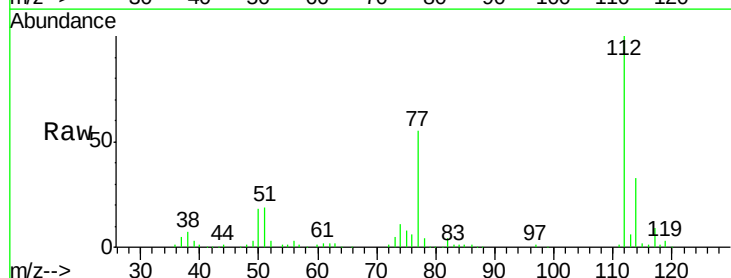
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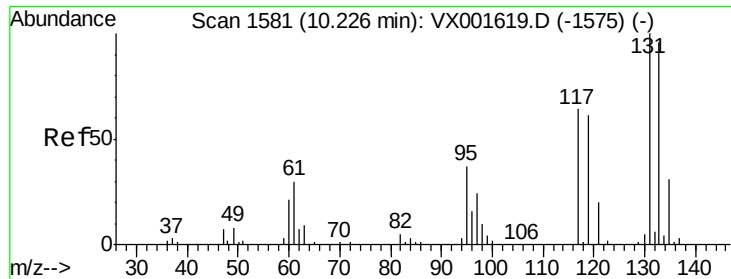
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#64
Chlorobenzene
Concen: 4.65 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	112	114	Ratio	Lower	Upper
112	100				
114	33.3	25.3			37.9





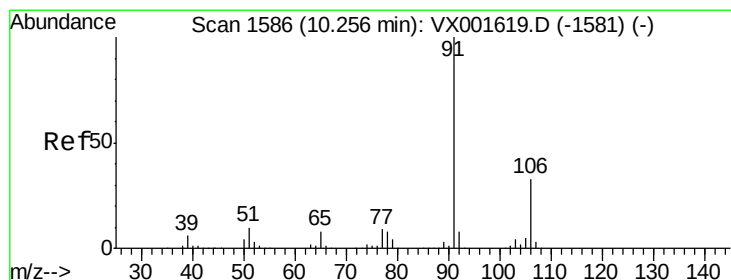
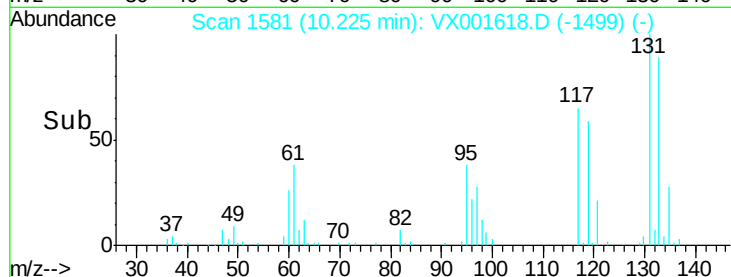
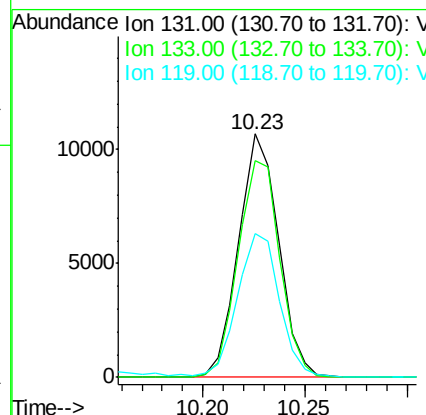
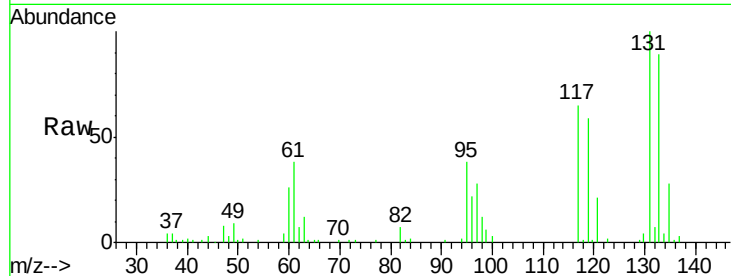
#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.59 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.4	0.0	191.4
119	61.7	0.0	124.2

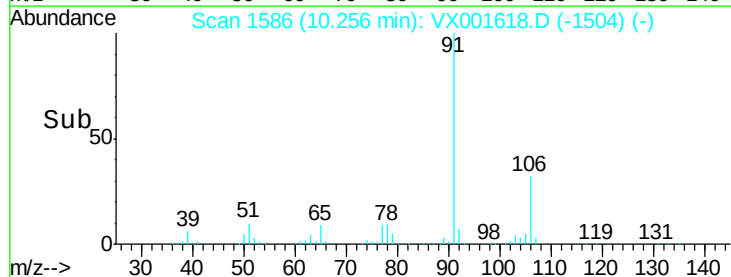
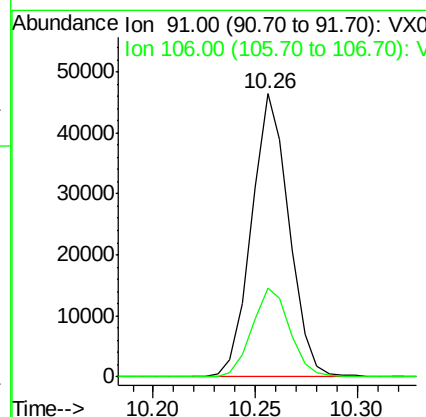
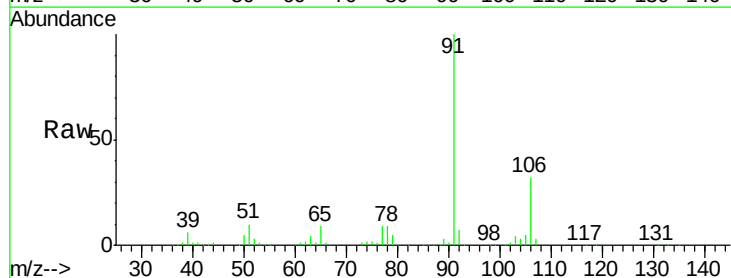
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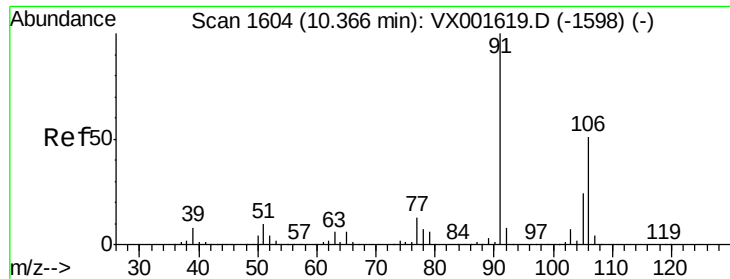
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#66
 Ethyl Benzene
 Concen: 4.16 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	26.2	39.4





#67

m/p-Xylenes

Concen: 8.11 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 46190

Ion Ratio Lower Upper

106 100

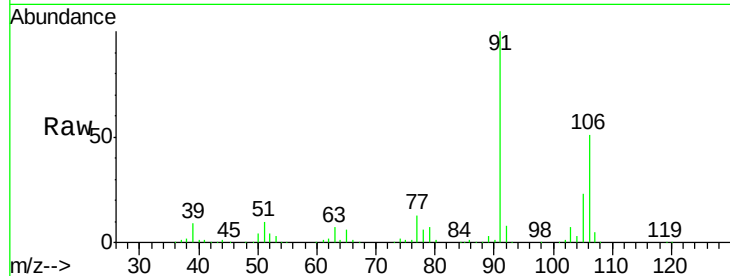
91 196.3 157.8 236.8

Manual Integrations

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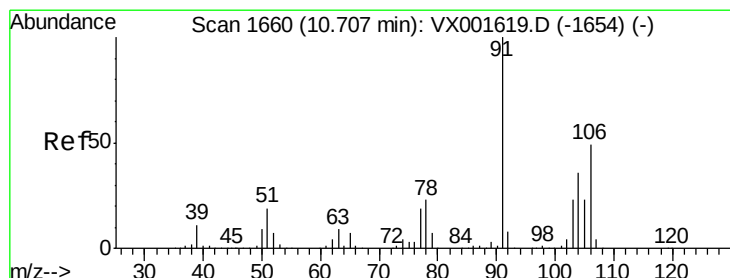
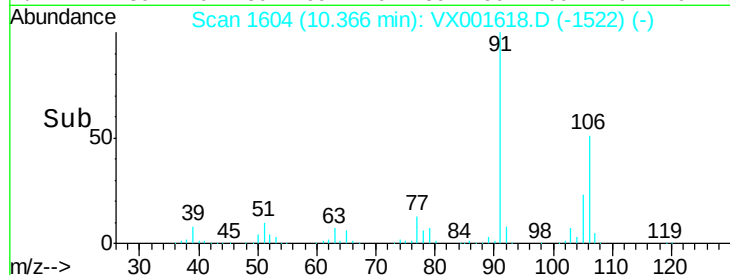
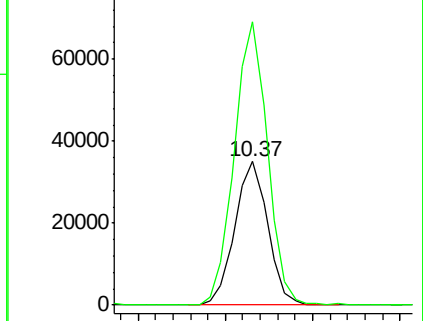
apatel

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 4.27 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VX001618.D

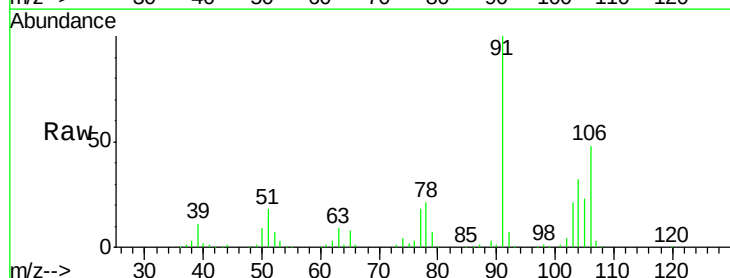
Acq: 10 May 2018 23:02

Tgt Ion:106 Resp: 23472

Ion Ratio Lower Upper

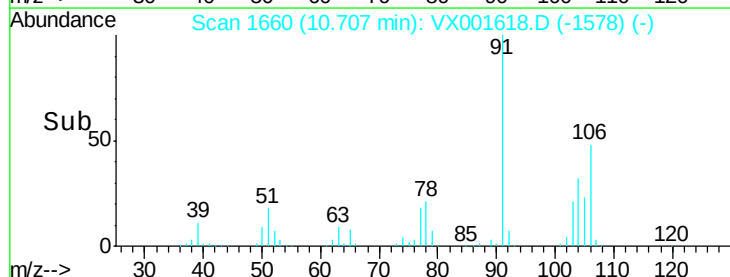
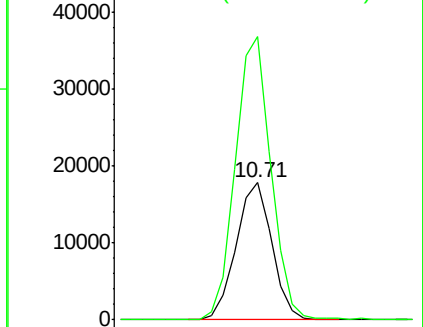
106 100

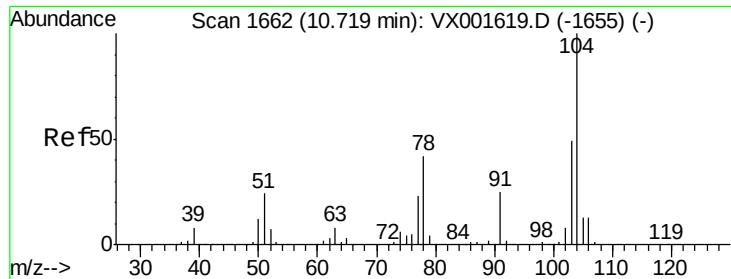
91 204.4 104.3 312.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





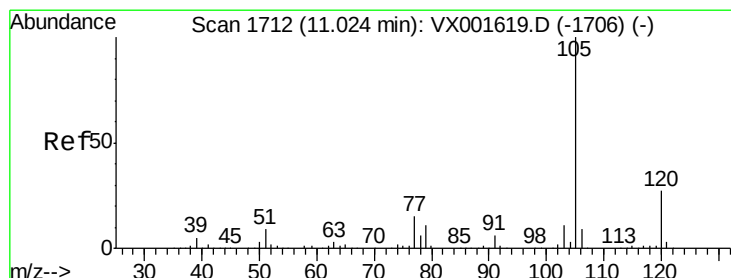
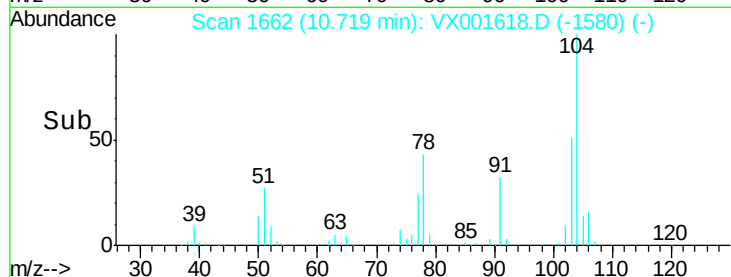
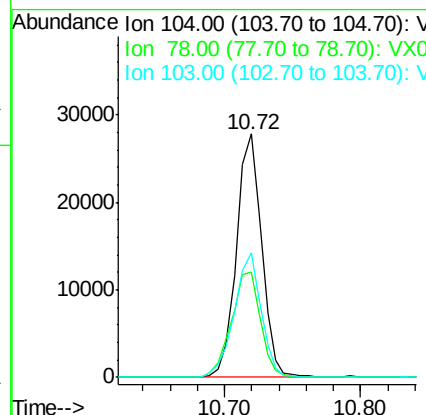
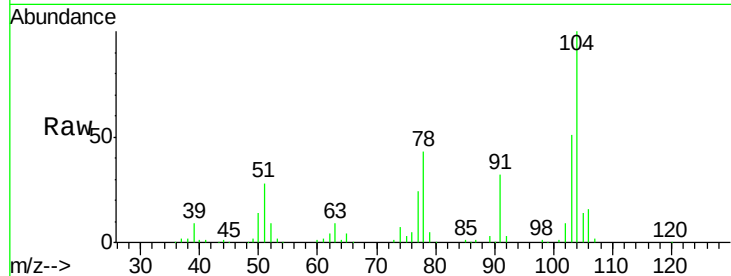
#69
Stvrene
Concen: 3.93 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.3	58.9
103	54.6	43.7	65.5

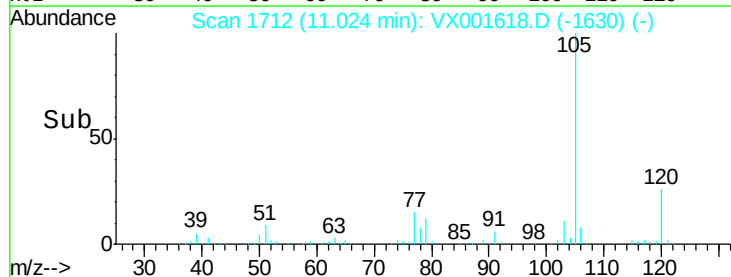
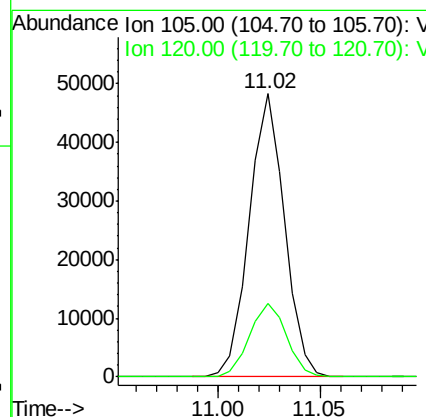
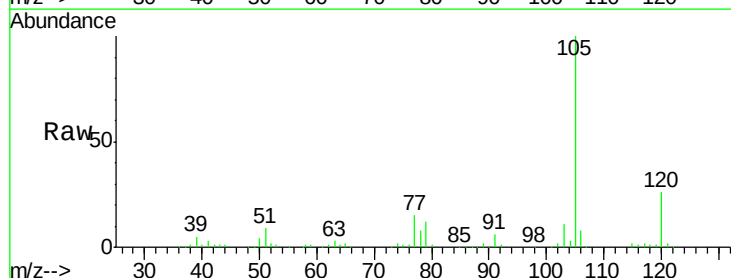
Manual Integrations
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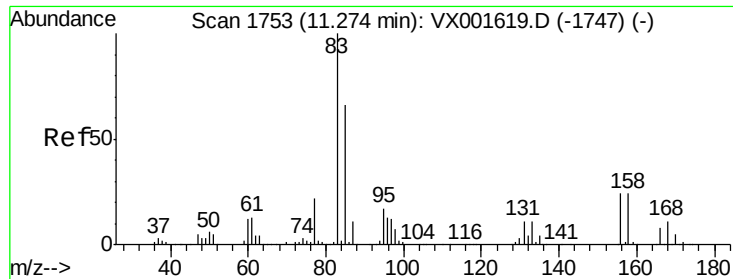
apatel
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#70
Isopropylbenzene
Concen: 3.93 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	19.1	35.5





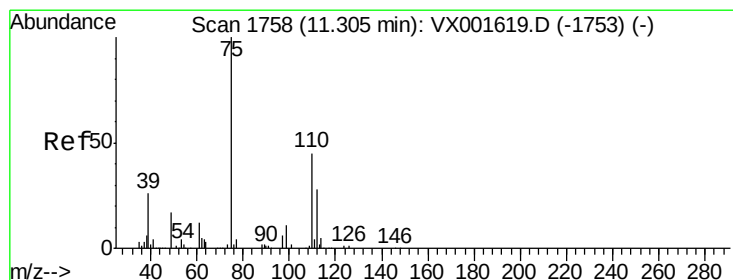
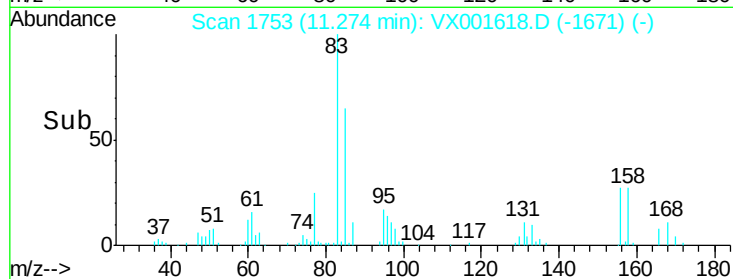
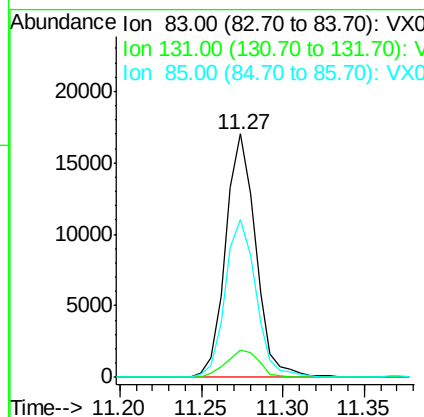
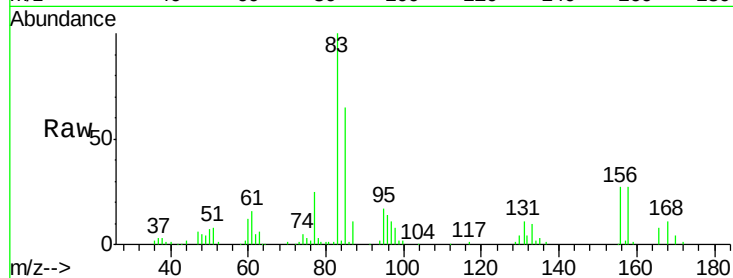
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.91 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	21863
Ion Ratio	100	Lower	Upper
83	100		
131	12.2	5.8	17.4
85	66.3	32.4	97.2

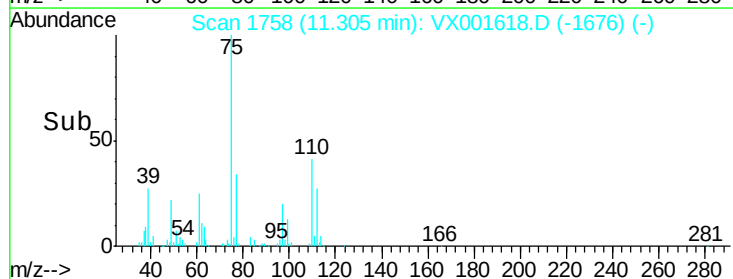
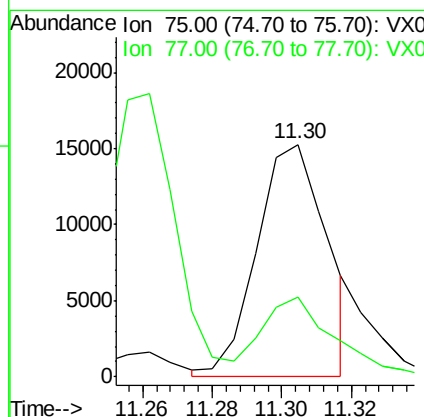
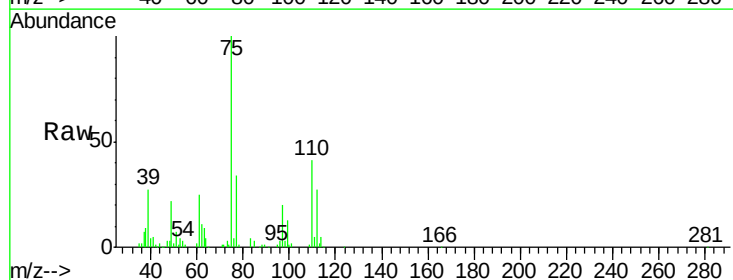
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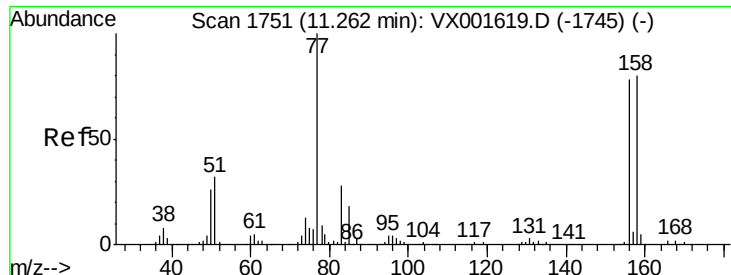
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#72
 1,2,3-Trichloropropane
 Concen: 5.31 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion	75	Resp	21351
Ion Ratio	100	Lower	Upper
75	100		
77	35.8	0.0	73.2





#73

Bromobenzene

Concen: 4.40 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

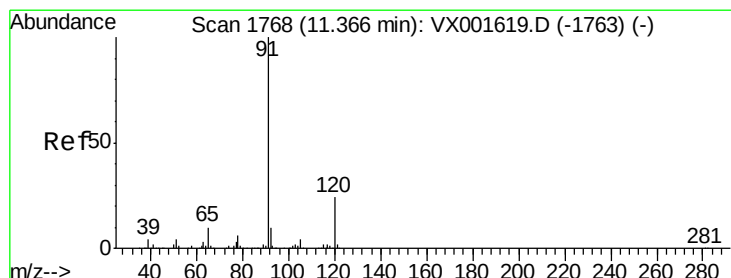
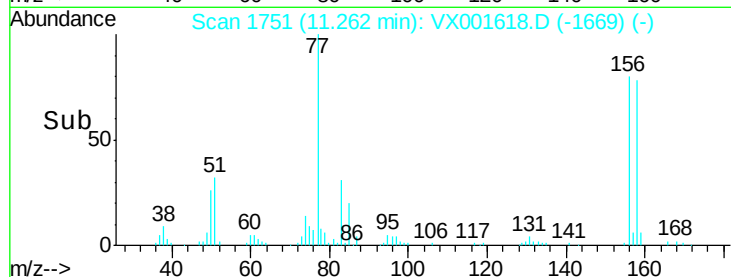
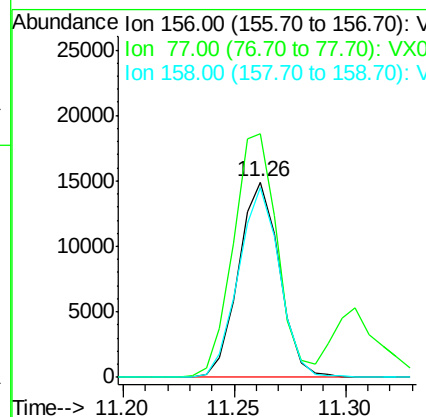
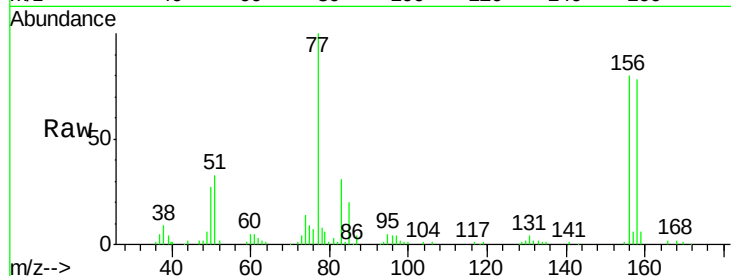
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	19084
Ion	Ratio	Lower	Upper
156	100		
77	135.0	0.0	266.4
158	98.4	0.0	194.4

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#74

n-propylbenzene

Concen: 3.67 ug/l

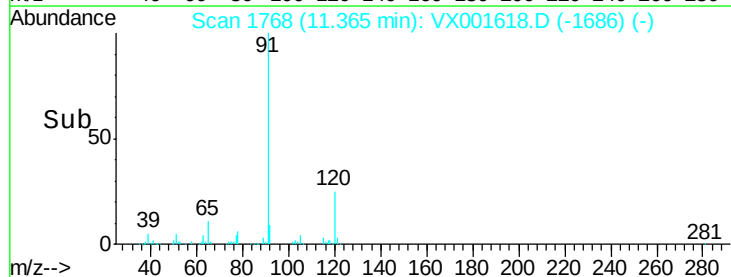
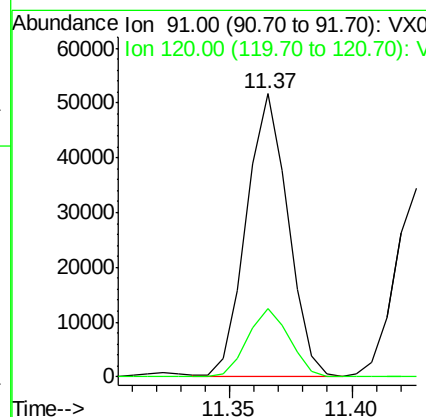
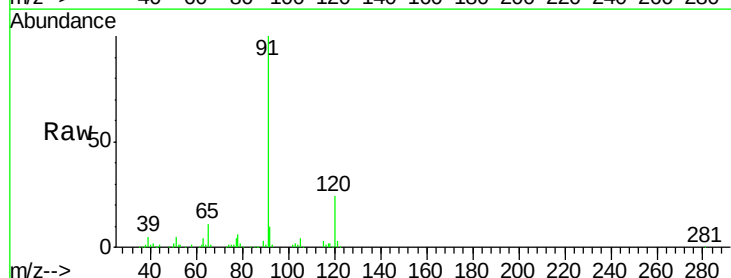
RT: 11.37 min Scan# 1768

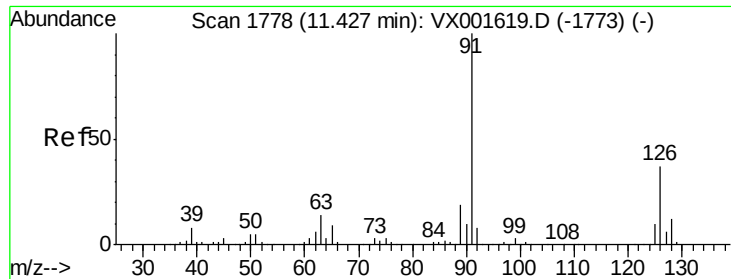
Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Tgt Ion:	91	Resp:	61382
Ion	Ratio	Lower	Upper
91	100		
120	24.5	0.0	48.0





#75

2-Chlorotoluene

Concen: 4.12 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 41899

Ion Ratio Lower Upper

91 100

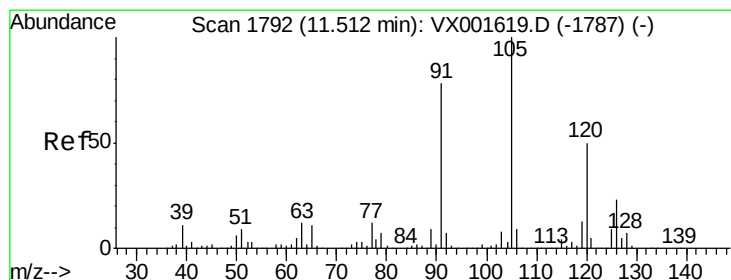
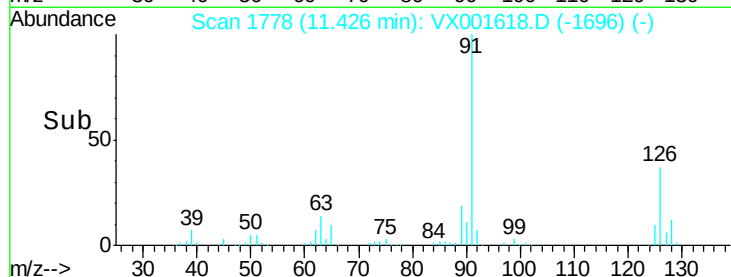
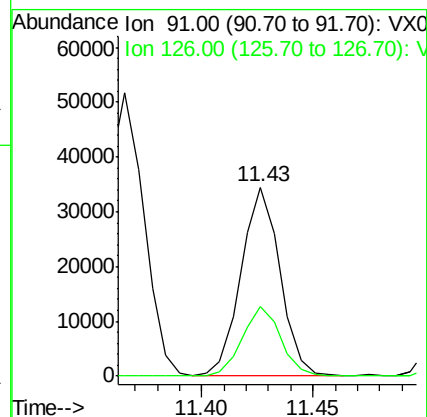
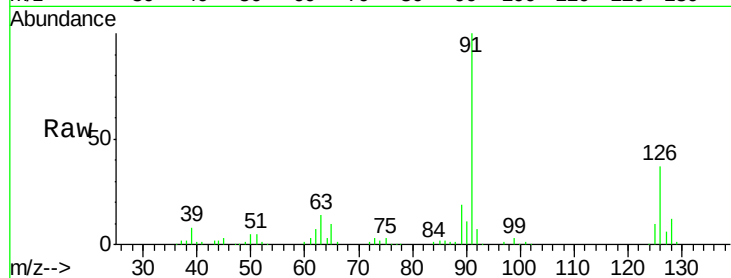
126 36.3 0.0 72.0

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#76

1,3,5-Trimethylbenzene

Concen: 3.84 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001618.D

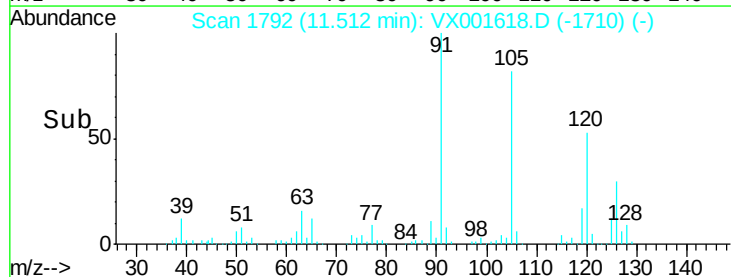
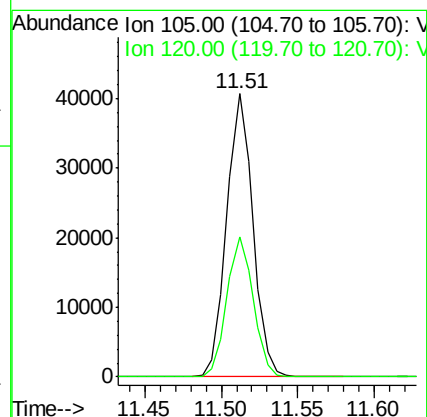
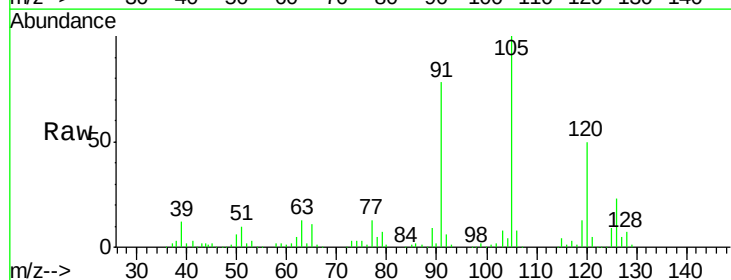
Acq: 10 May 2018 23:02

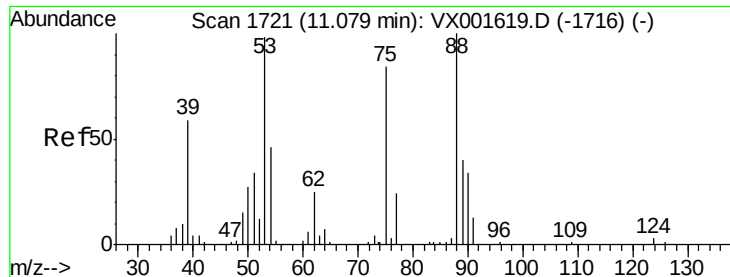
Tgt Ion: 105 Resp: 48572

Ion Ratio Lower Upper

105 100

120 49.9 0.0 101.8





#77

t-1,4-Dichloro-2-butene

Concen: 3.31 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001618.D

Acq: 10 May 2018 23:02

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 3924

Ion Ratio Lower Upper

75 100

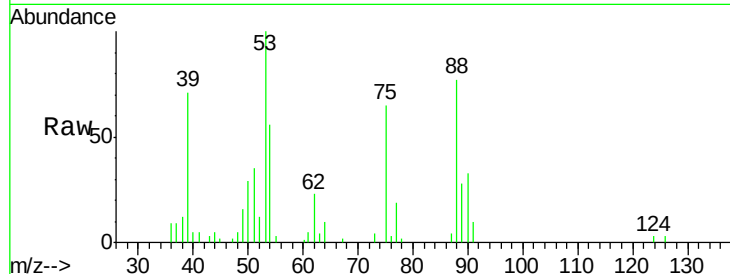
53 153.7 58.3 174.8

89 43.0 23.9 71.8

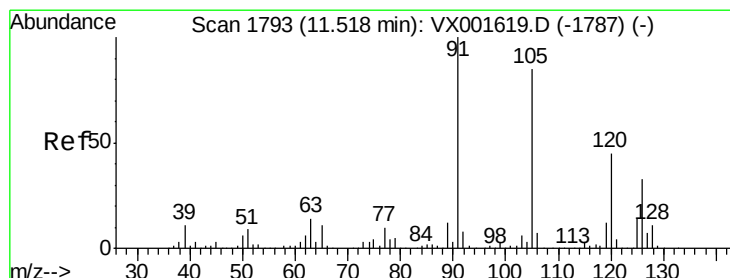
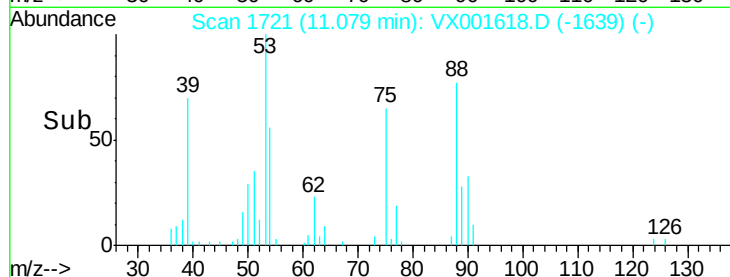
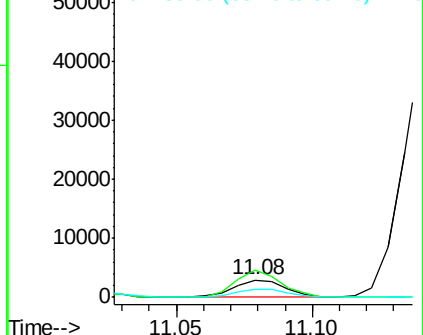
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 3.81 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001618.D

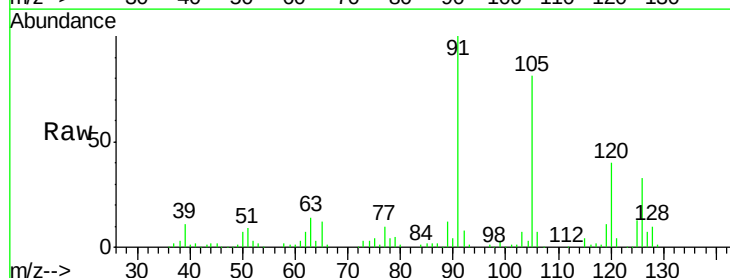
Acq: 10 May 2018 23:02

Tgt Ion: 91 Resp: 45736

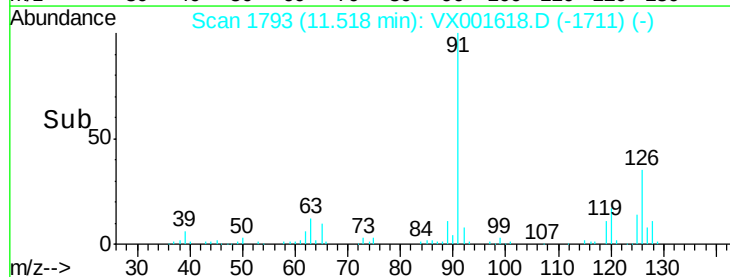
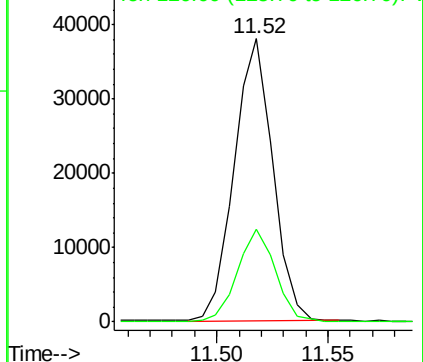
Ion Ratio Lower Upper

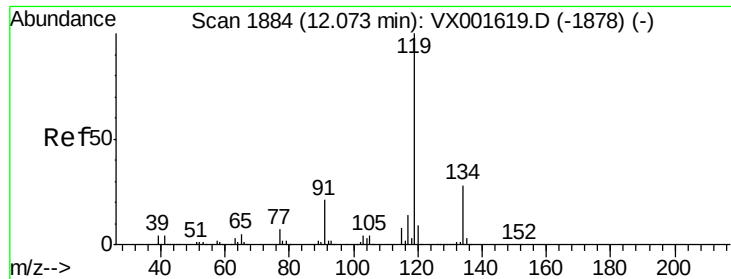
91 100

126 32.3 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





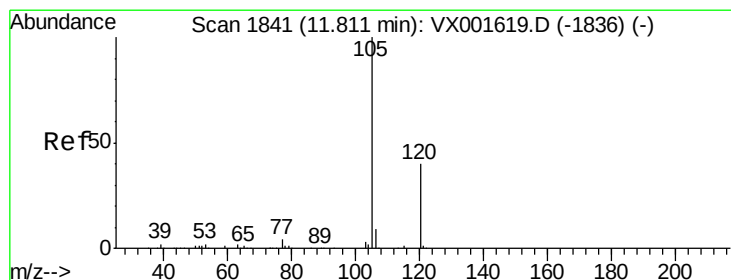
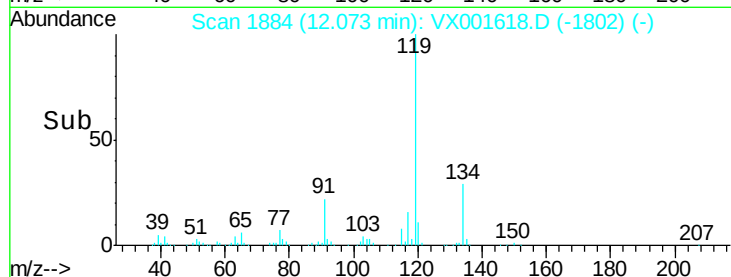
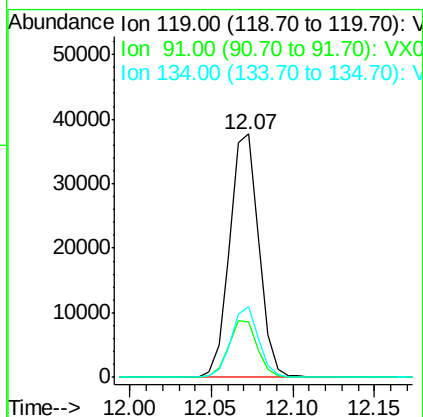
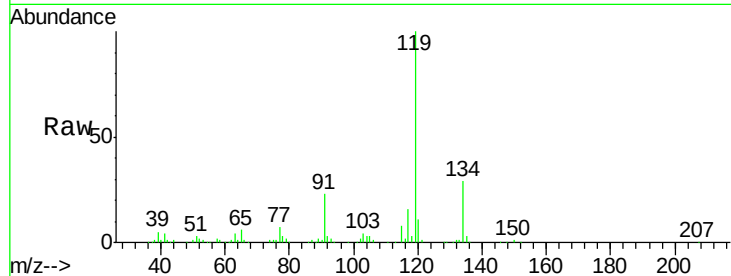
#79
tert-butylbenzene
Concen: 3.45 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	46691		
91	23.0		0.0	44.0
134	27.2		0.0	53.8

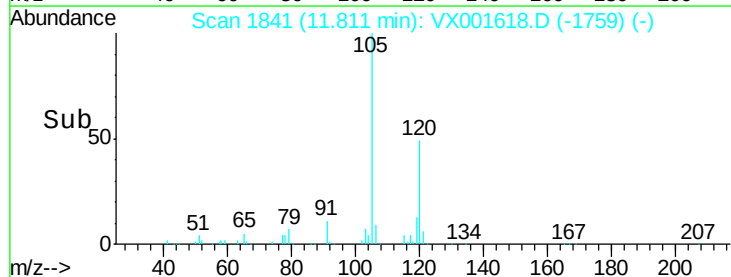
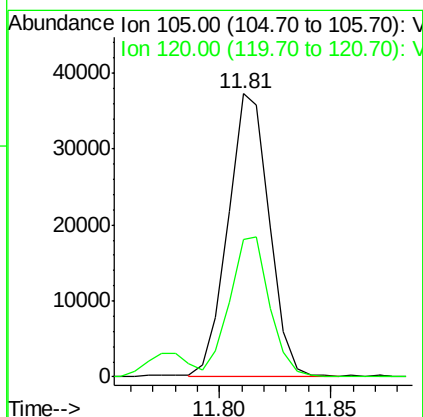
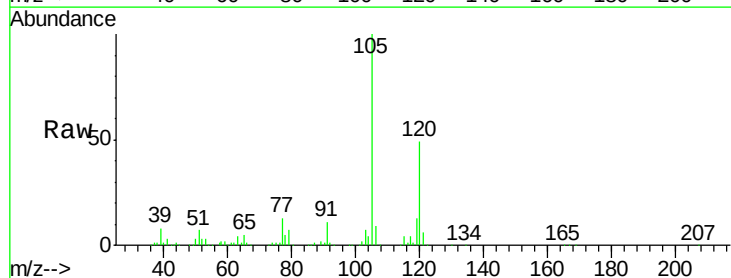
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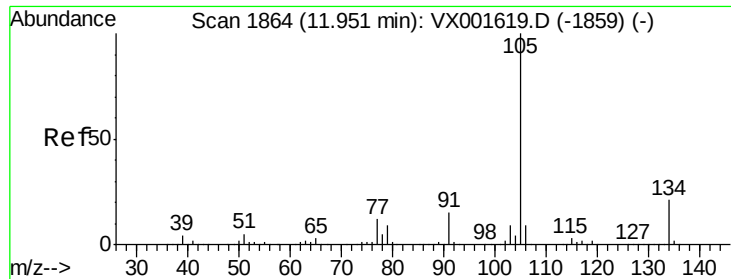
apatel
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#80
1,2,4-Trimethylbenzene
Concen: 3.74 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	48028		
120	48.2		0.0	94.0





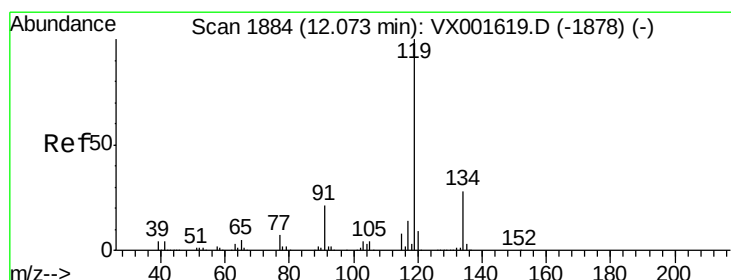
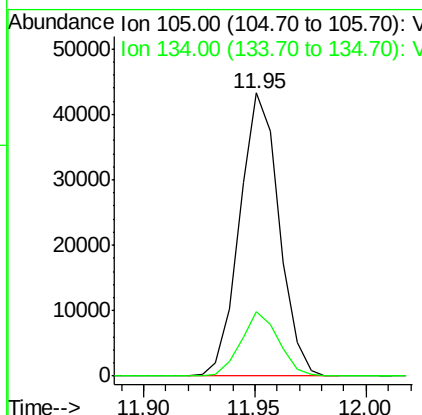
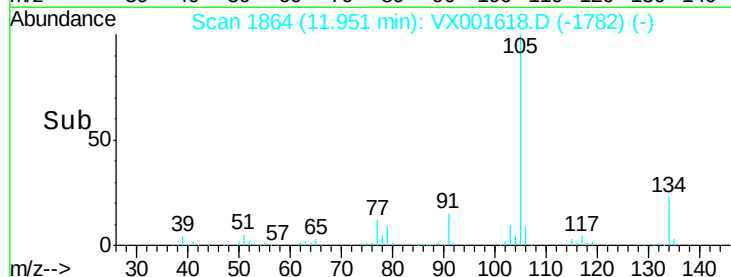
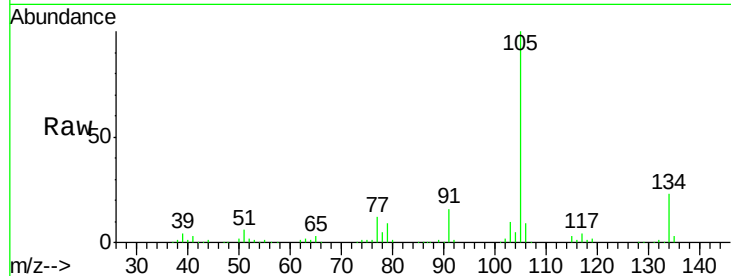
#81
 sec-Butylbenzene
 Concen: 3.65 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.8	0.0	43.4

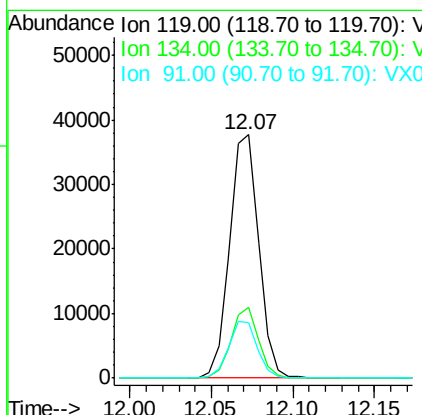
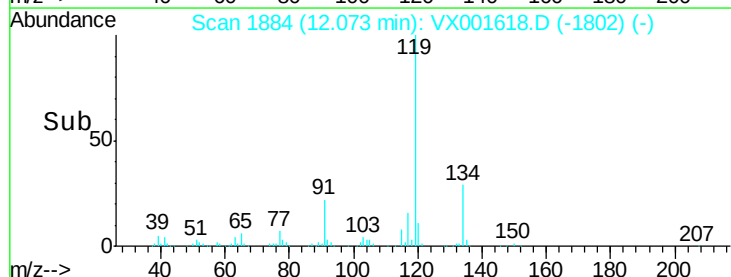
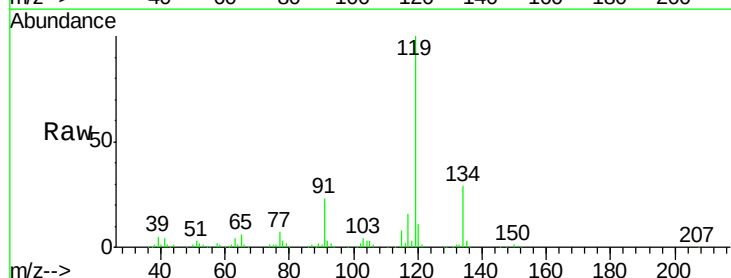
Manual Integrations
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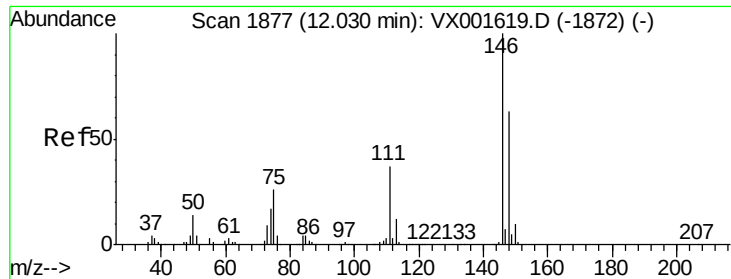
apatel
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#82
 p-Isopropyltoluene
 Concen: 3.45 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	53.8
91	23.0	0.0	44.0





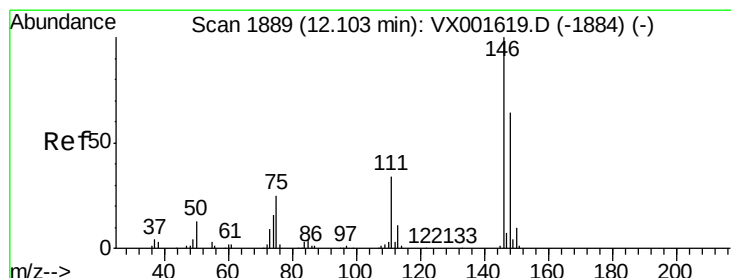
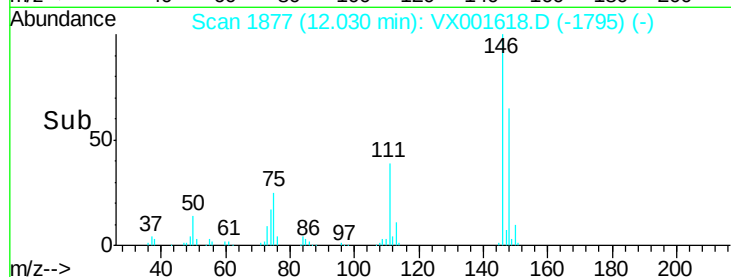
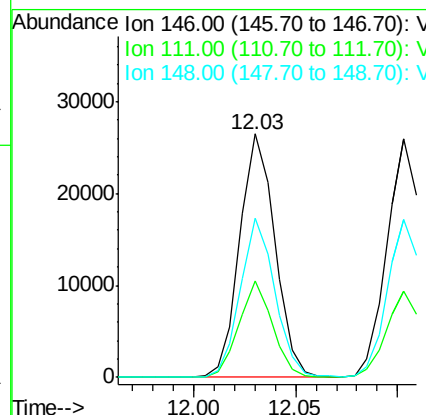
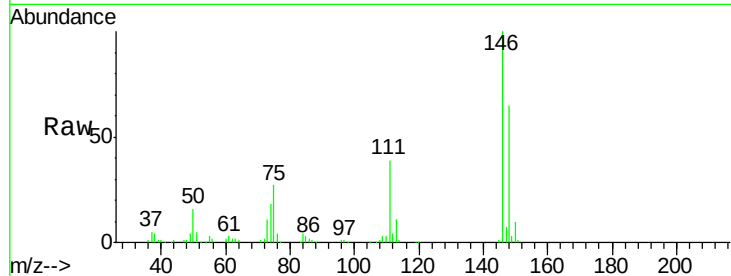
#83
 1,3-Dichlorobenzene
 Concen: 4.05 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	63.9	32.2	96.6

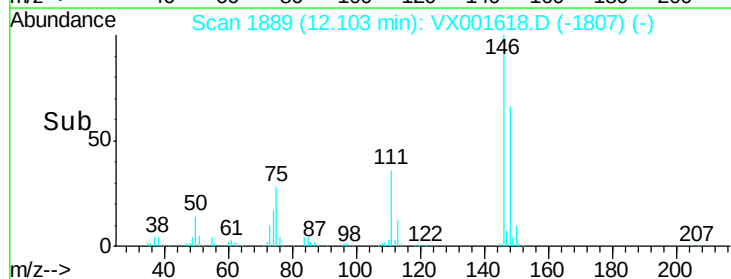
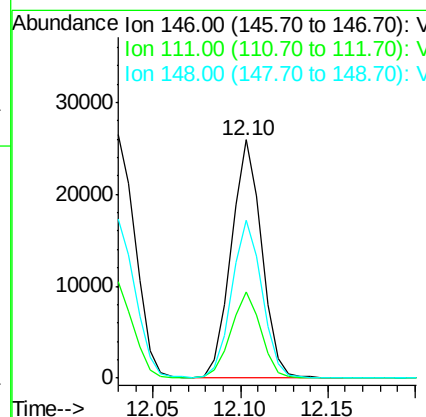
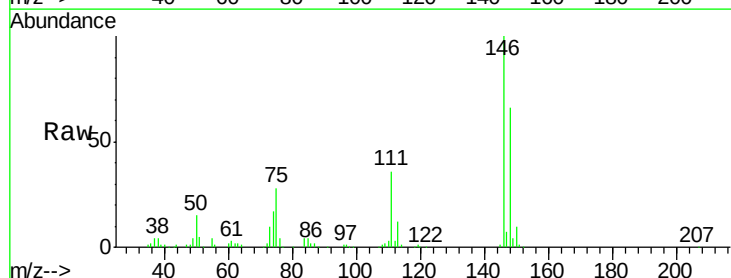
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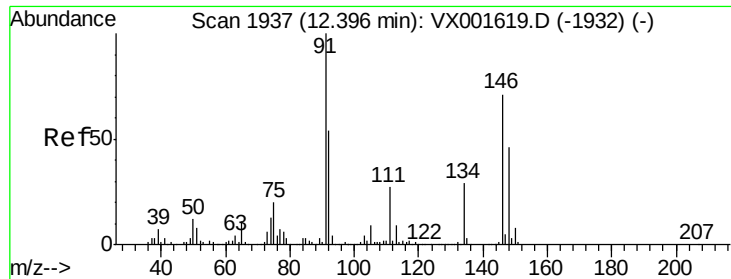
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#84
 1,4-Dichlorobenzene
 Concen: 3.93 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.4	52.3
148	66.2	32.5	97.4





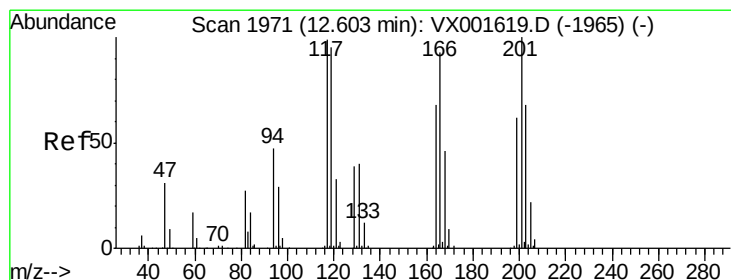
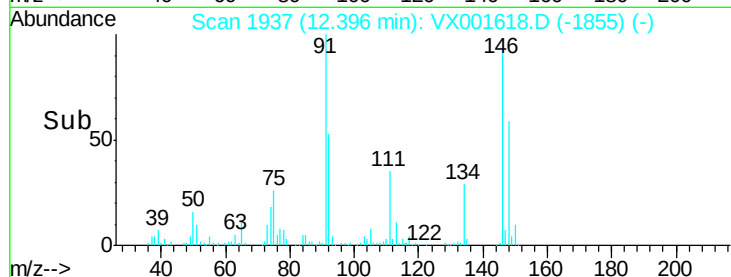
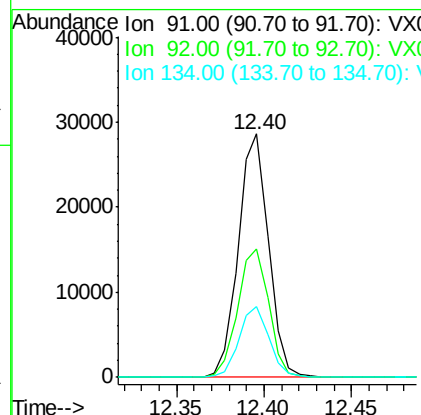
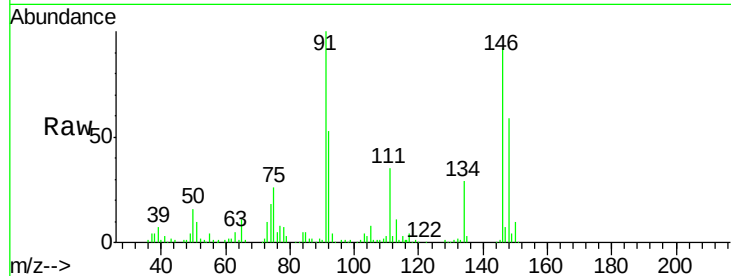
#85
n-Butylbenzene
Concen: 2.99 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100	34452		
92	54.4	0.0	107.8	
134	29.0	0.0	56.8	

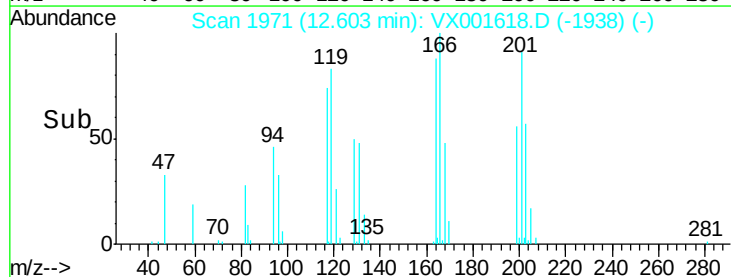
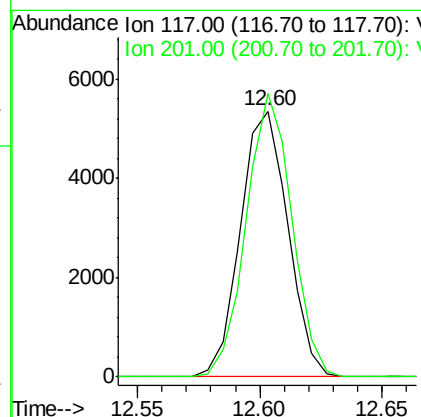
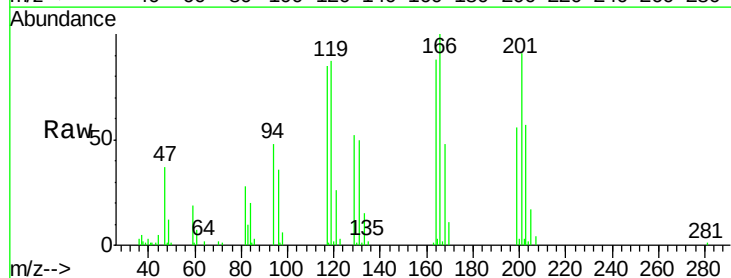
Manual Integrations
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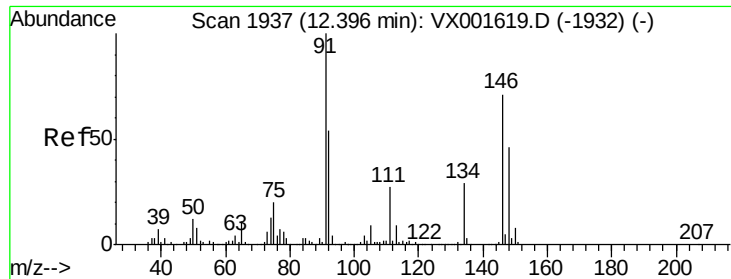
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#86
Hexachloroethane
Concen: 3.48 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	7244		
201	102.2	50.1	150.3	





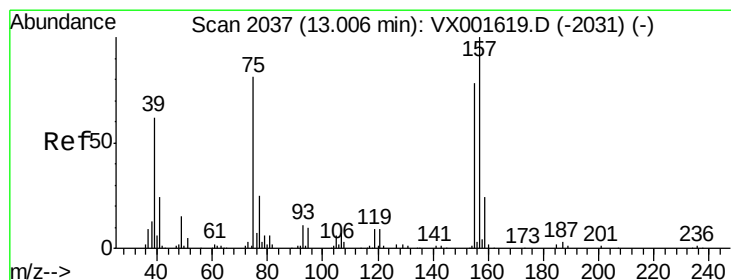
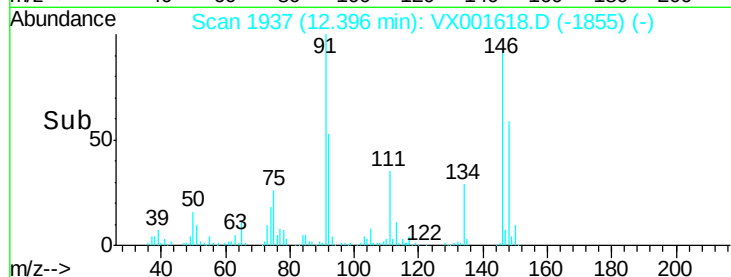
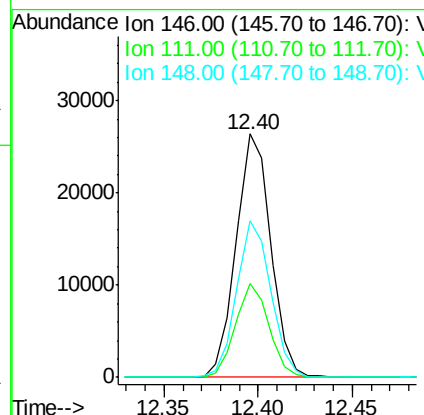
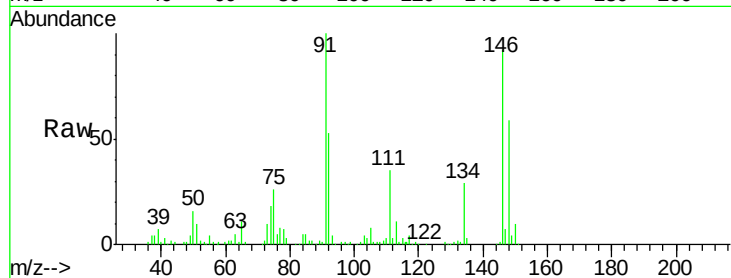
#87
 1,2-Dichlorobenzene
 Concen: 4.30 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	63.5	32.1	96.5

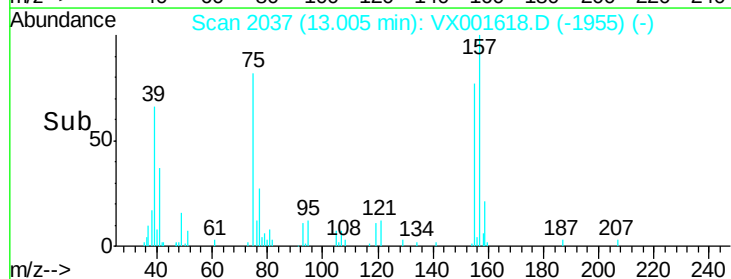
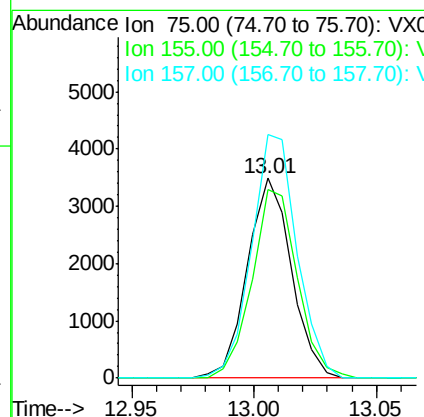
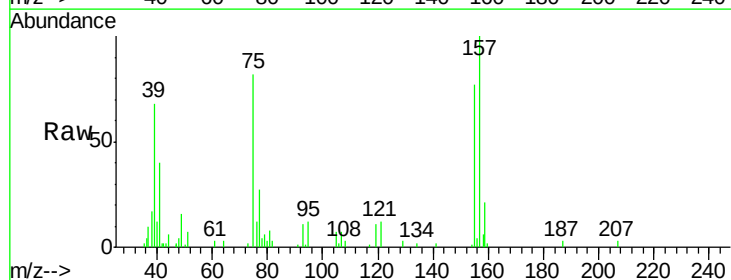
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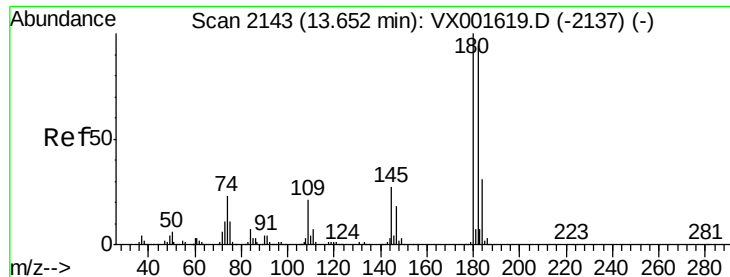
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.61 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	79.8	119.8
157	126.6	105.4	158.2





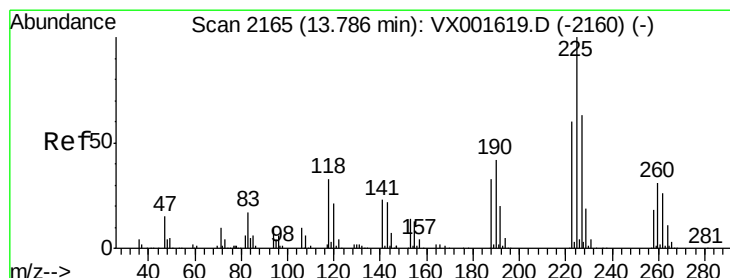
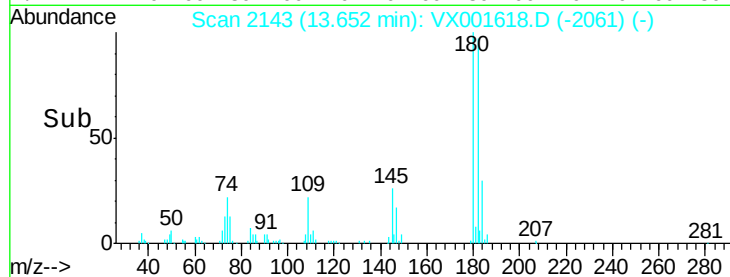
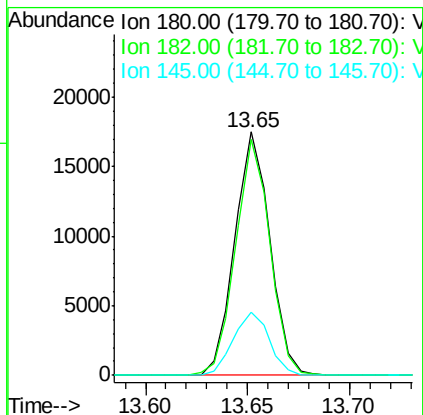
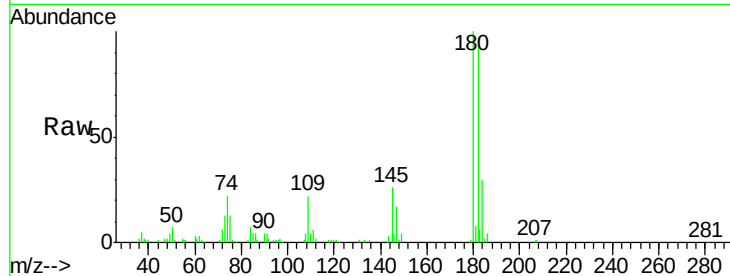
#89
 1,2,4-Trichlorobenzene
 Concen: 3.55 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	20849		
182	94.7		76.6	115.0
145	26.5		21.5	32.3

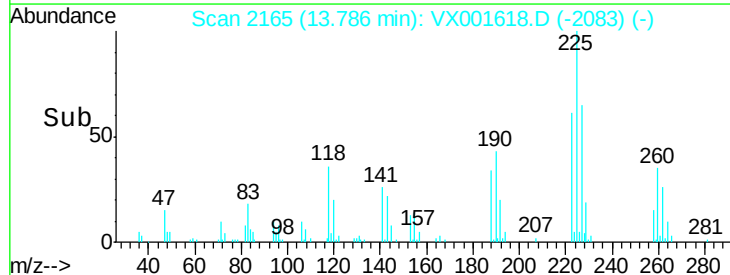
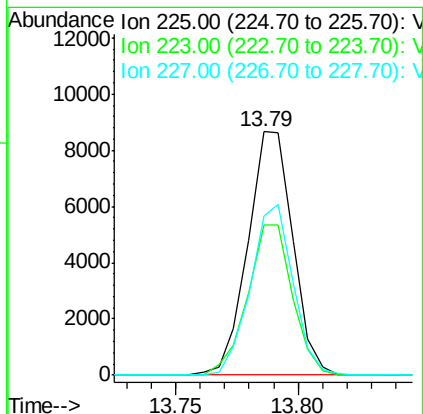
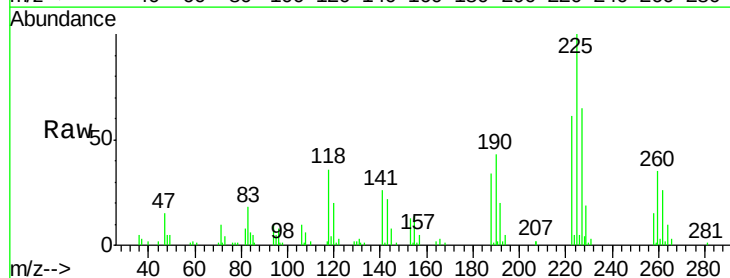
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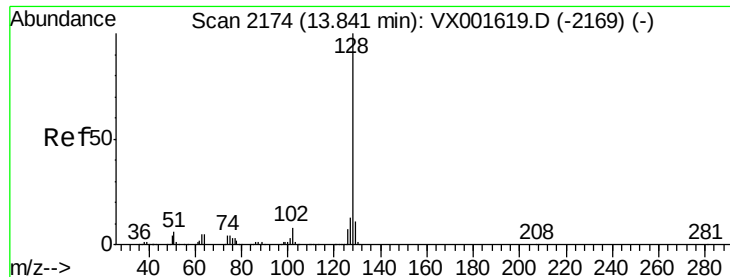
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#90
 Hexachlorobutadiene
 Concen: 3.95 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001618.D
 Acq: 10 May 2018 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11129		
223	61.7		0.0	120.2
227	66.3		0.0	126.6





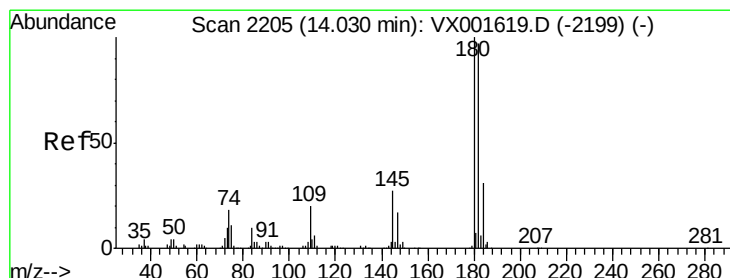
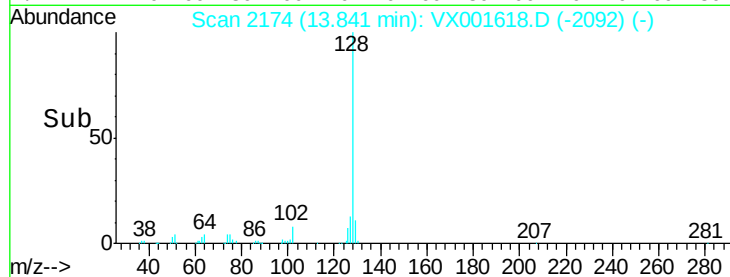
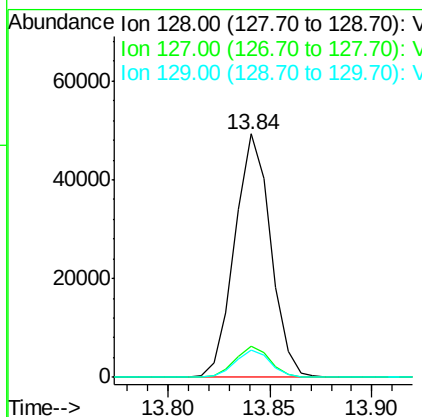
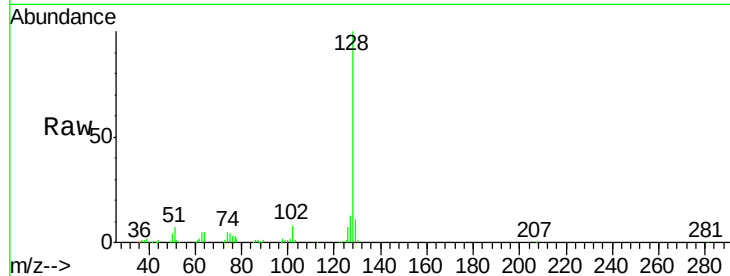
#91
Naphthalene
Concen: 3.84 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	128	Resp:	59981
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.8	13.2

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#92
1,2,3-Trichlorobenzene
Concen: 3.95 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX001618.D
Acq: 10 May 2018 23:02

Tgt Ion:	180	Resp:	23247
Ion Ratio	Lower	Upper	
180	100		
182	97.2	0.0	192.2
145	29.2	0.0	56.0

