

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000316.D
 Acq On : 14 Mar 2018 16:25
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

sam
 3/15/2018 3:36:55 PM

Quant Time: Mar 15 02:34:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 01:30:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	105655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	174930	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	171625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	91862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	6964	6.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.38%	
35) Dibromofluoromethane	5.51	113	4927	4.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.88%	
50) Toluene-d8	8.73	98	20119	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
62) 4-Bromofluorobenzene	11.15	95	7478	4.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	5647	6.23	ug/l	95
3) Chloromethane	1.32	50	6316	6.40	ug/l	97
4) Vinyl Chloride	1.41	62	6671	6.49	ug/l	90
5) Bromomethane	1.64	94	8847	10.15	ug/l	92
6) Chloroethane	1.73	64	4643	8.09	ug/l	99
7) Trichlorofluoromethane	1.93	101	11674	6.77	ug/l	97
8) Diethyl Ether	2.20	74	3910	6.63	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.39	101	6028	6.11	ug/l	97
10) Methyl Iodide	2.52	142	4668	3.70	ug/l	94
11) Tert butyl alcohol	3.07	59	11911	29.37	ug/l	100
12) 1,1-Dichloroethene	2.38	96	5835	6.63	ug/l	91
13) Acrolein	2.30	56	5438	24.49	ug/l	97
14) Allyl chloride	2.73	41	10305	6.19	ug/l	98
15) Acrylonitrile	3.15	53	22370	32.21	ug/l	96
16) Acetone	2.45	43	22852	26.93	ug/l	96
17) Carbon Disulfide	2.57	76	16491	5.91	ug/l	96
18) Methyl Acetate	2.78	43	11067	6.52	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	20386	6.54	ug/l #	90
20) Methylene Chloride	2.86	84	6297	6.30	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	6392	6.53	ug/l	97
22) Diisopropyl ether	3.88	45	19503	6.89	ug/l	93
23) Vinyl Acetate	3.83	43	88674	35.28	ug/l	99
24) 1,1-Dichloroethane	3.71	63	11221	6.87	ug/l	97
25) 2-Butanone	4.72	43	28316	25.06	ug/l	95
26) 2,2-Dichloropropane	4.60	77	7431	5.16	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	6007	5.92	ug/l	90
28) Bromochloromethane	5.03	49	3946	5.13	ug/l	96
29) Tetrahydrofuran	5.18	42	17471	25.20	ug/l	99
30) Chloroform	5.23	83	9373	5.47	ug/l #	83
31) Cyclohexane	5.58	56	8256	5.54	ug/l #	82
32) 1,1,1-Trichloroethane	5.50	97	8085	5.07	ug/l	93
36) 1,1-Dichloropropene	5.82	75	8153	5.26	ug/l	98
37) Ethyl Acetate	4.87	43	10547	4.88	ug/l	99
38) Carbon Tetrachloride	5.79	117	7285	4.30	ug/l #	93

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Mar 15 02:34:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 01:30:01 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	7.47	83	9051	4.64	ug/l #	92
40) Benzene	6.15	78	20103	4.57	ug/l #	77
41) Methacrylonitrile	5.07	41	5318	4.68	ug/l	98
42) 1,2-Dichloroethane	6.21	62	8430	5.28	ug/l	100
43) Isopropyl Acetate	6.48	43	13833	4.31	ug/l	98
44) Trichloroethene	7.22	130	6484	4.67	ug/l	95
45) 1,2-Dichloropropane	7.52	63	4959	4.38	ug/l	91
46) Dibromomethane	7.67	93	4226	5.00	ug/l	100
47) Bromodichloromethane	7.90	83	7177	4.49	ug/l	93
48) Methyl methacrylate	7.79	41	7032	4.43	ug/l	95
49) 1,4-Dioxane	7.77	88	3094	77.22	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	53025	23.30	ug/l	99
52) Toluene	8.79	92	14478	4.92	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	7751	4.06	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	7194	3.85	ug/l	92
55) 1,1,2-Trichloroethane	9.23	97	5559	4.56	ug/l	89
56) Ethyl methacrylate	9.19	69	7571	3.89	ug/l	91
57) 1,3-Dichloropropane	9.38	76	9904	5.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	15483	17.06	ug/l	97
59) 2-Hexanone	9.51	43	43650	22.32	ug/l	98
60) Dibromochloromethane	9.59	129	5207	3.64	ug/l	93
61) 1,2-Dibromoethane	9.68	107	6001	4.47	ug/l	99
64) Tetrachloroethene	9.34	164	6081	4.21	ug/l	95
65) Chlorobenzene	10.15	112	16077	4.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	5475	4.12	ug/l	98
67) Ethyl Benzene	10.26	91	28183	4.70	ug/l	98
68) m/p-Xylenes	10.37	106	20947	8.84	ug/l	100
69) o-Xylene	10.71	106	10343	4.52	ug/l	94
70) Styrene	10.72	104	15835	4.12	ug/l	98
71) Bromoform	10.87	173	3881	2.77	ug/l #	94
73) Isopropylbenzene	11.02	105	27209	4.92	ug/l	98
74) N-amyl acetate	6.48	43	13833	4.74	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	9331	4.80	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	8875m	3.76	ug/l	
77) Bromobenzene	11.26	156	7316	4.65	ug/l	97
78) n-propylbenzene	11.37	91	32936	5.06	ug/l	97
79) 2-Chlorotoluene	11.43	91	18642	4.98	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	22864	4.84	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	2259	3.32	ug/l #	80
82) 4-Chlorotoluene	11.52	91	23230	5.11	ug/l	99
83) tert-Butylbenzene	11.78	119	21676	4.50	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	22765	4.64	ug/l	98
85) sec-Butylbenzene	11.95	105	28538	4.89	ug/l	99
86) p-Isopropyltoluene	12.07	119	24092	4.44	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	14115	4.66	ug/l	95
88) 1,4-Dichlorobenzene	12.11	146	14606	4.63	ug/l	94
89) n-Butylbenzene	12.40	91	23715	4.72	ug/l	99
90) Hexachloroethane	12.61	117	3450	3.96	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	13168	4.49	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	2436	4.06	ug/l	90

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

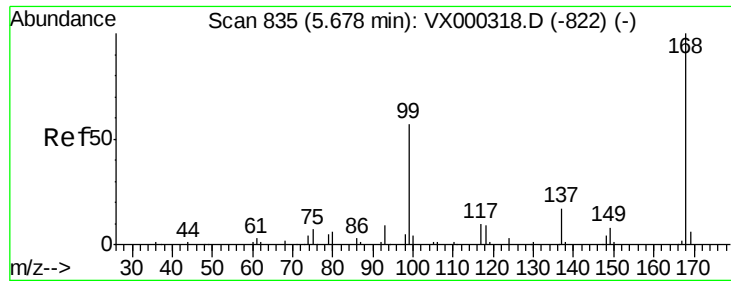
Manual Integrations
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Quant Time: Mar 15 02:34:55 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 15 01:30:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	9673	3.82	ug/l	99
94) Hexachlorobutadiene	13.79	225	4207	3.14	ug/l	87
95) Naphthalene	13.84	128	32020	4.31	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	9664	3.94	ug/l	98

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



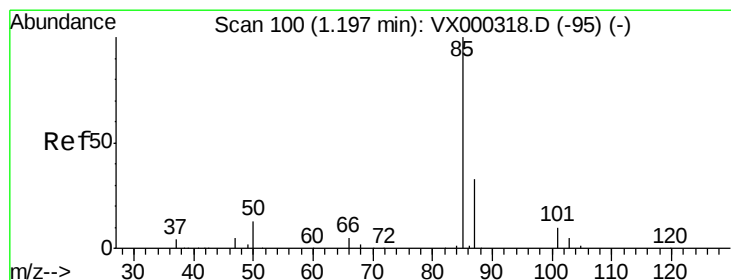
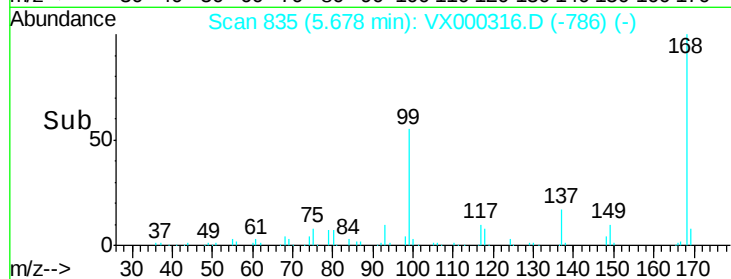
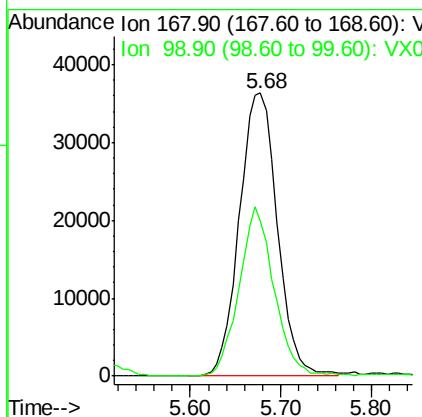
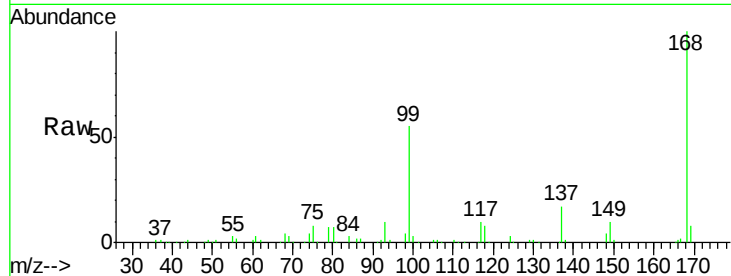
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
168	100	105655		
99	54.9	45.8	68.6	

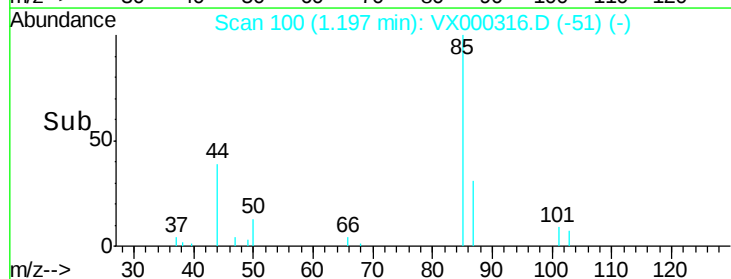
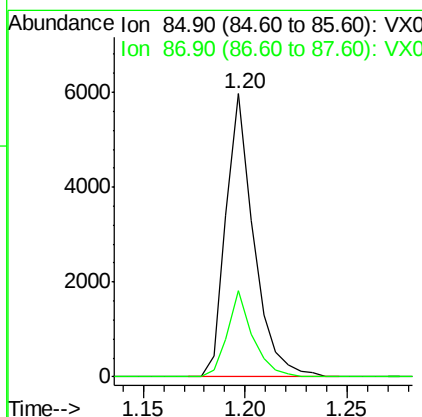
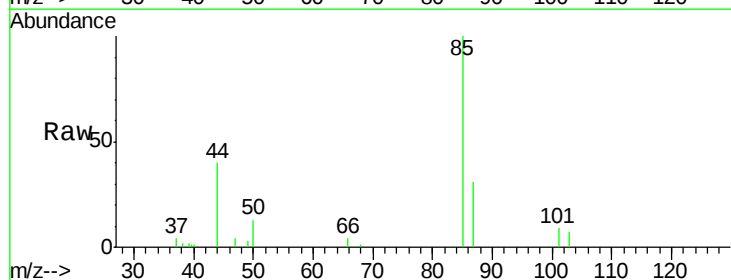
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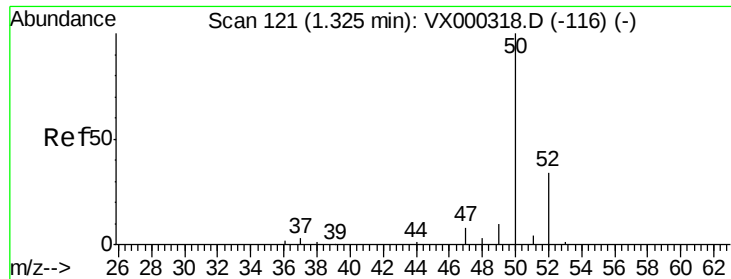
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#2
Dichlorodifluoromethane
Concen: 6.23 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	5647		
87	30.6	16.8	50.3	





#3

Chloromethane

Concen: 6.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 6316

Ion Ratio Lower Upper

50 100

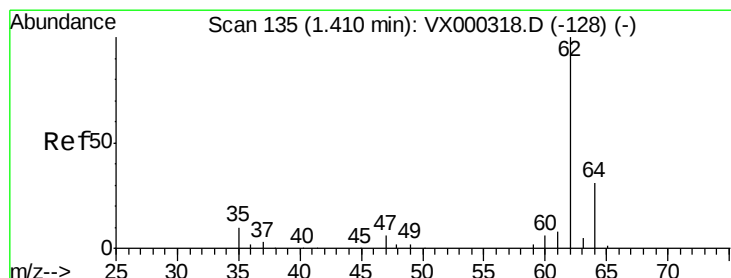
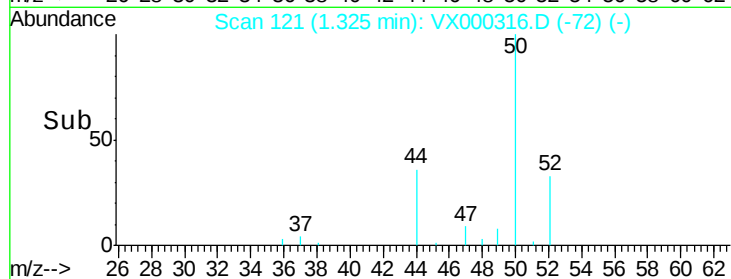
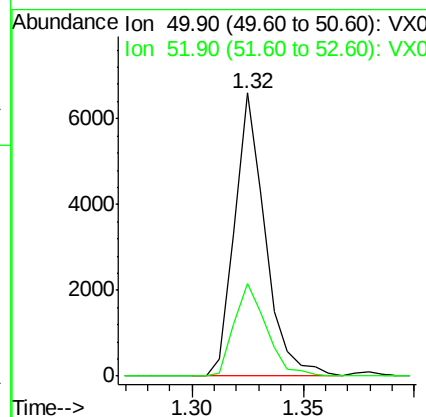
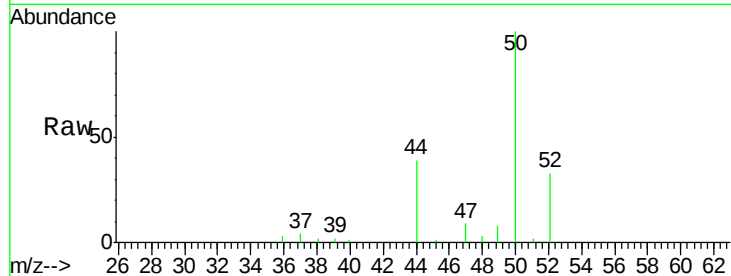
52 32.9 27.5 41.3

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#4

Vinyl Chloride

Concen: 6.49 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000316.D

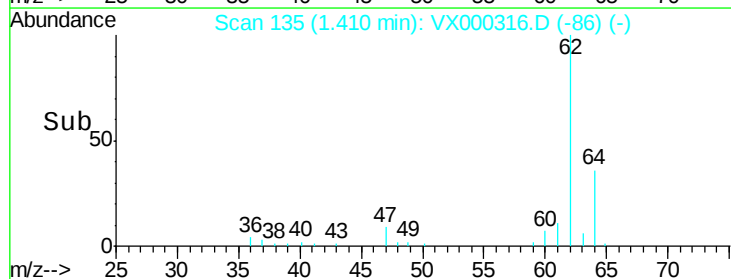
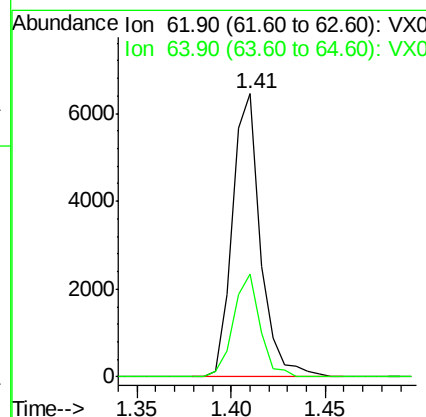
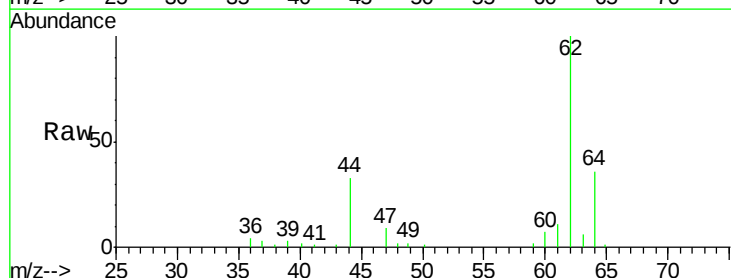
Acq: 14 Mar 2018 16:25

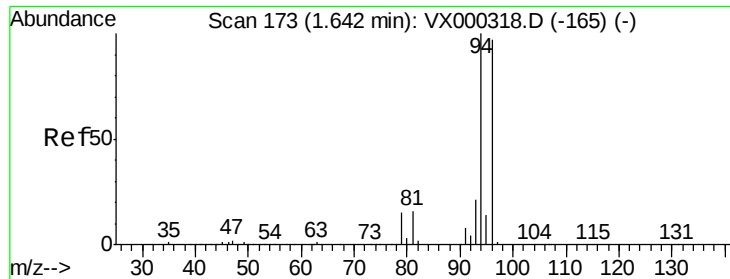
Tgt Ion: 62 Resp: 6671

Ion Ratio Lower Upper

62 100

64 36.3 24.8 37.2





#5

Bromomethane

Concen: 10.15 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8847

Ion Ratio Lower Upper

94 100

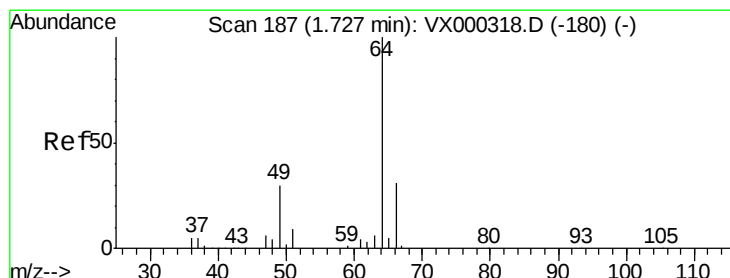
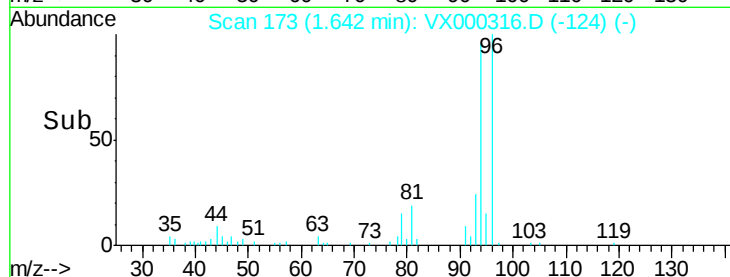
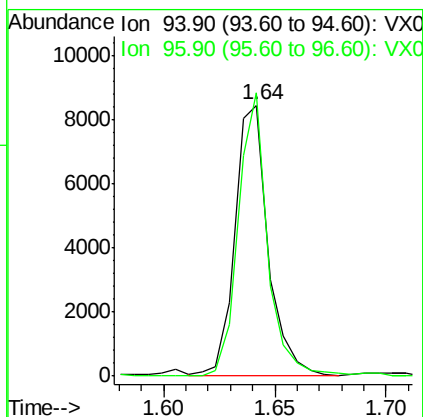
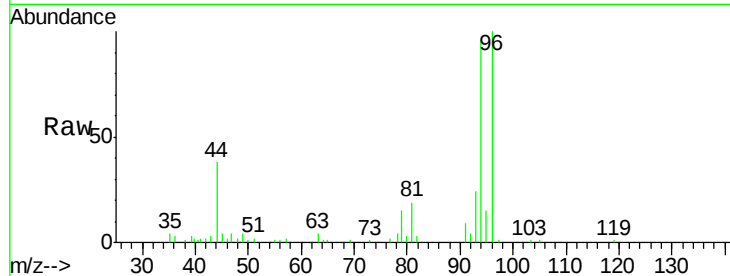
96 104.5 77.7 116.5

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#6

Chloroethane

Concen: 8.09 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000316.D

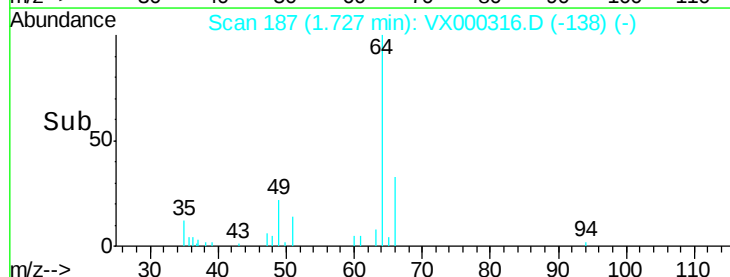
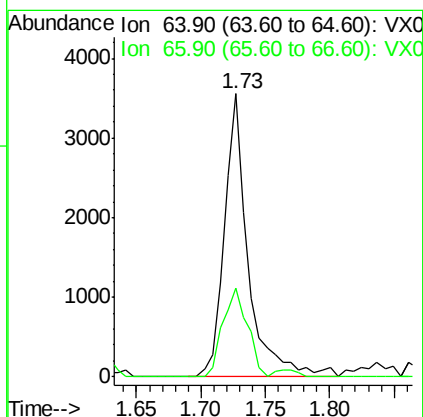
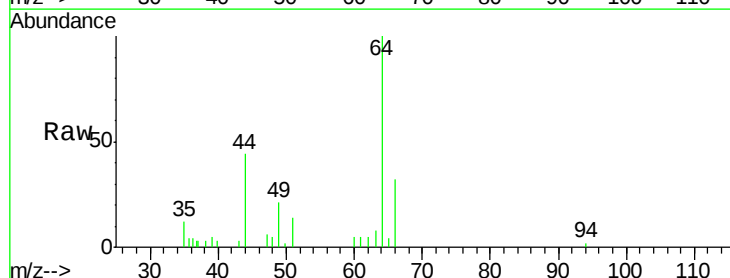
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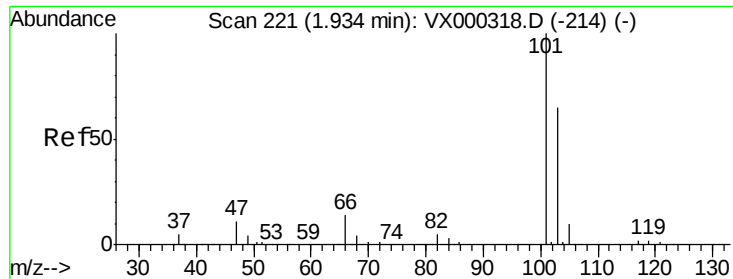
Tgt Ion: 64 Resp: 4643

Ion Ratio Lower Upper

64 100

66 31.6 24.8 37.2





#7

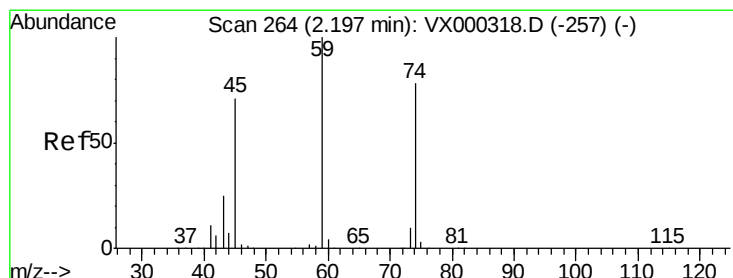
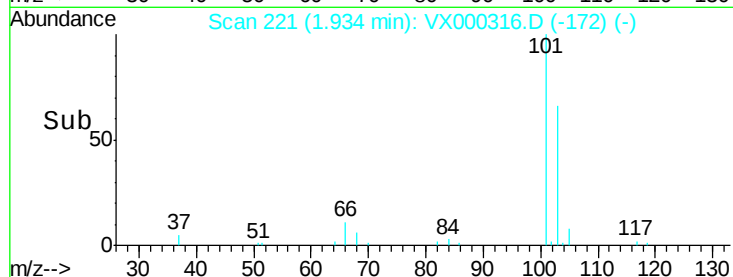
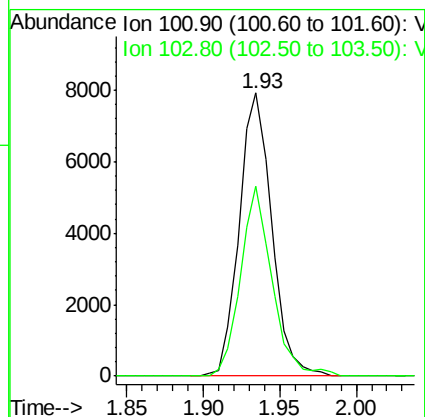
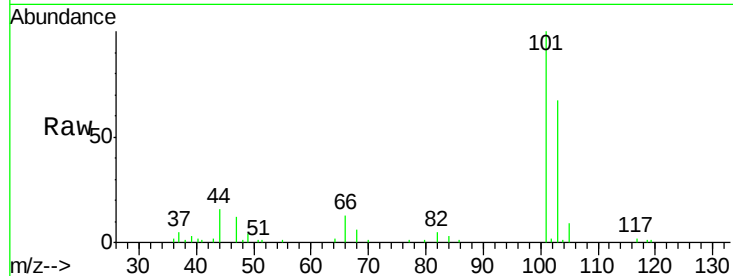
Trichlorofluoromethane
Concen: 6.77 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:101 Resp: 11674
Ion Ratio Lower Upper
101 100
103 67.2 51.6 77.4

Manual Integrations
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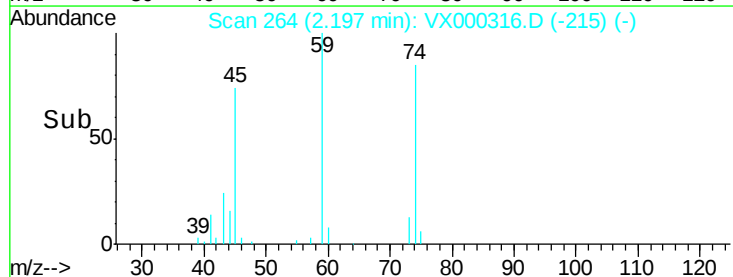
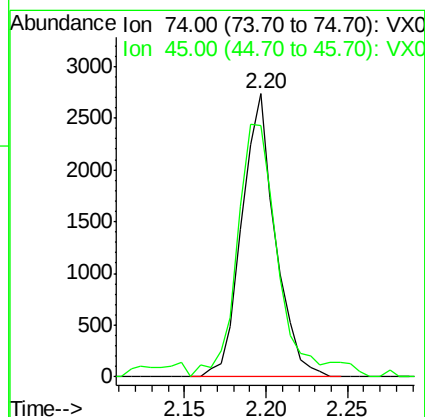
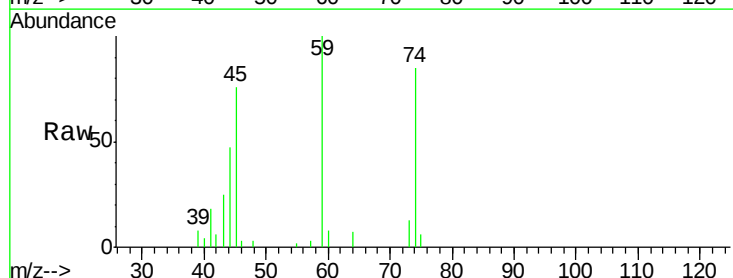
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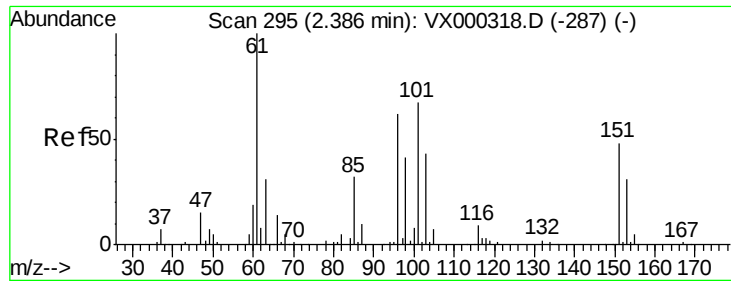


#8

Diethyl Ether
Concen: 6.63 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion: 74 Resp: 3910
Ion Ratio Lower Upper
74 100
45 109.9 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.11 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

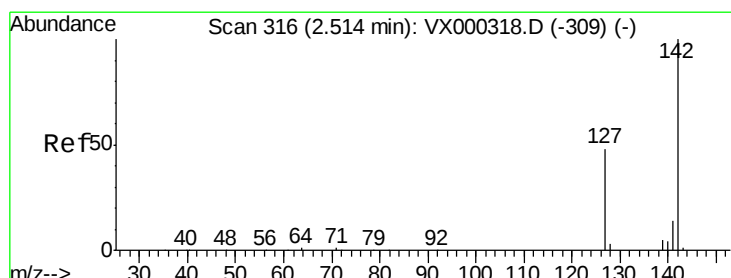
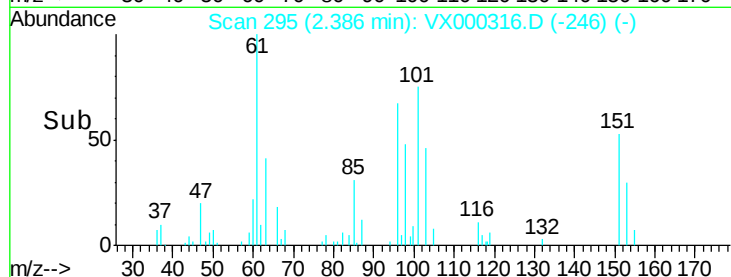
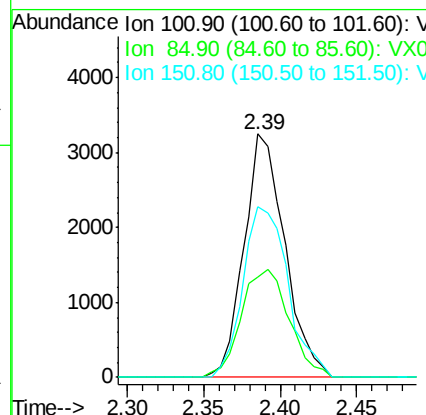
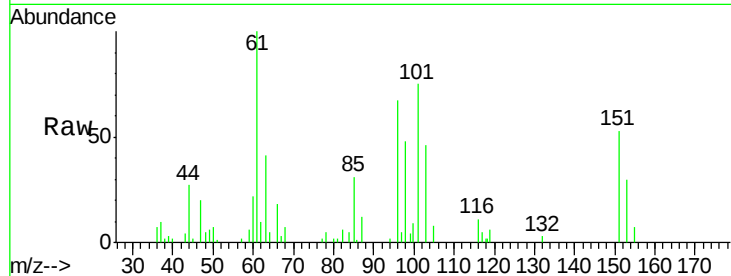
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	52.0	37.6	56.4
151	77.6	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 3.70 ug/l

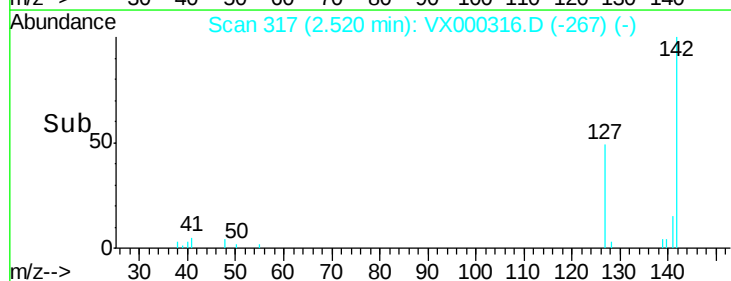
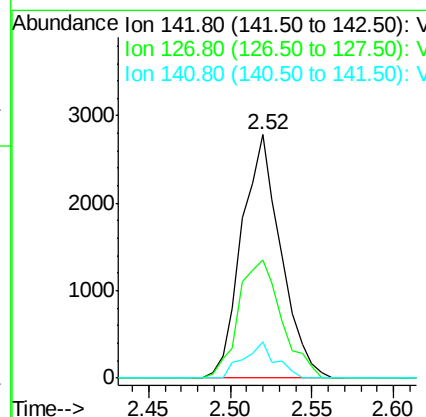
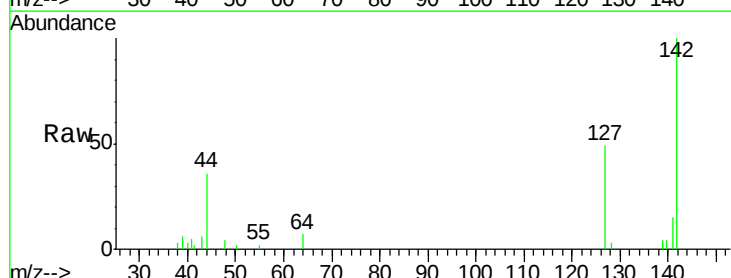
RT: 2.52 min Scan# 317

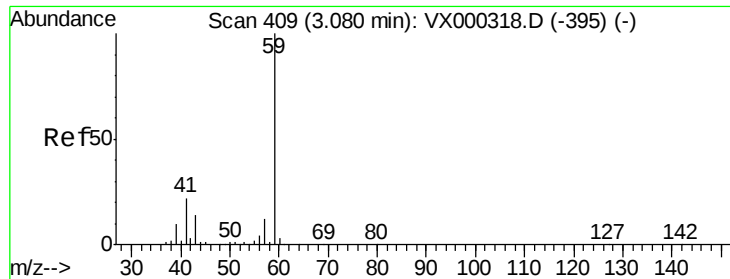
Delta R.T. 0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
142	100		
127	53.0	39.2	58.8
141	12.0	11.7	17.5





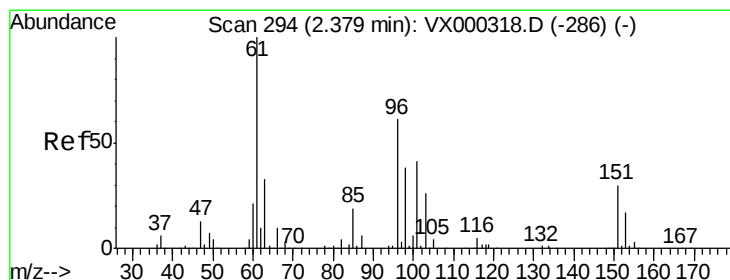
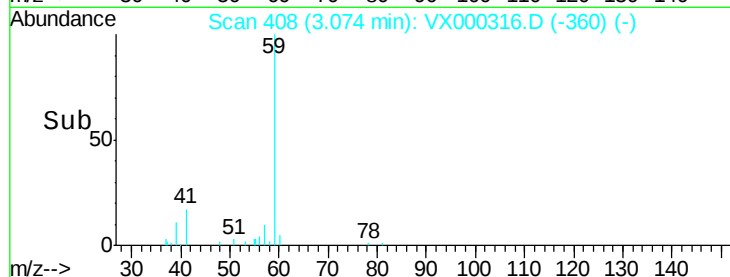
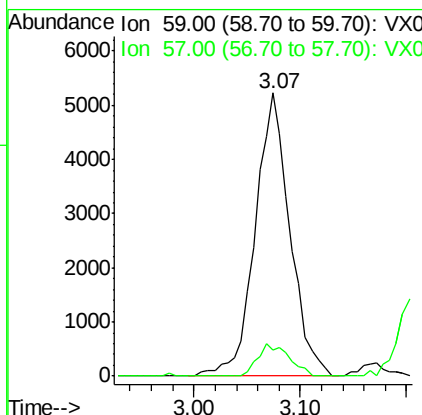
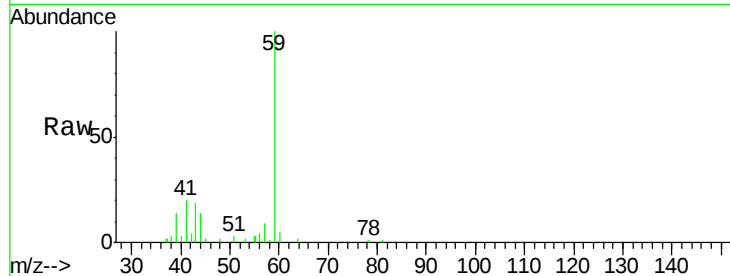
#11
Tert butyl alcohol
Concen: 29.37 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

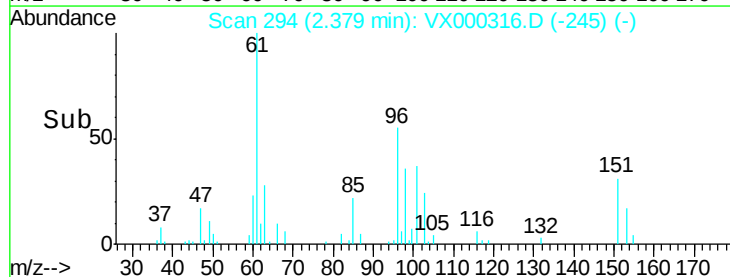
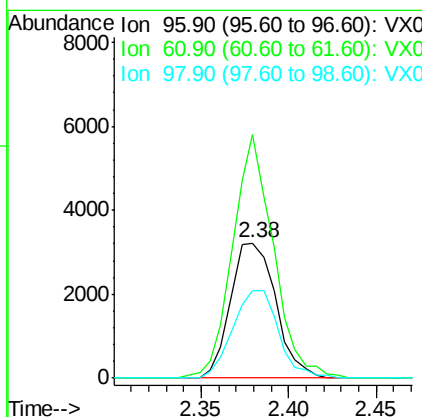
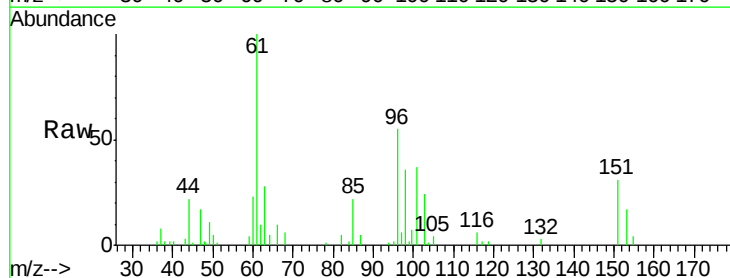
Manual Integrations
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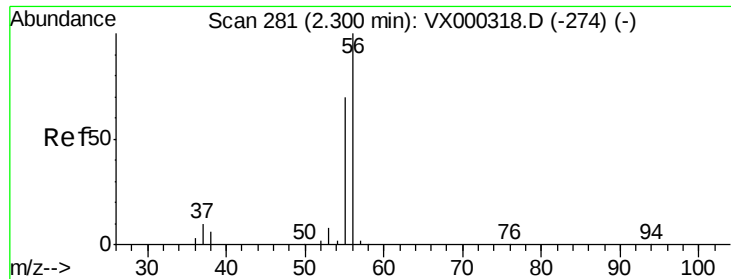
sam
3/15/2018 3:36:55 PM



#12
1,1-Dichloroethene
Concen: 6.63 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.6	131.2	196.8
98	65.2	49.8	74.8





#13

Acrolein

Concen: 24.49 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5438

Ion Ratio Lower Upper

56 100

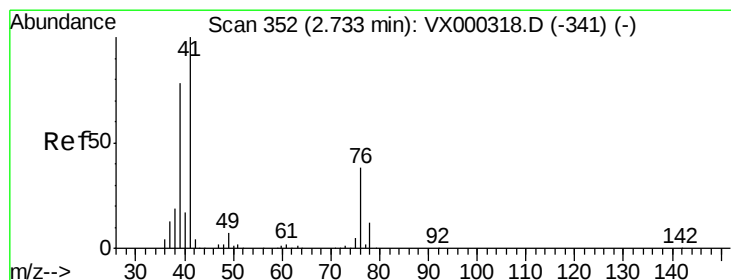
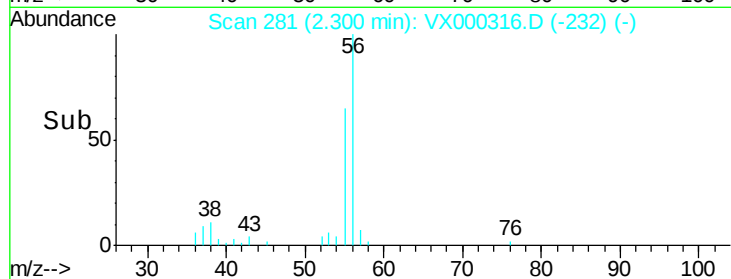
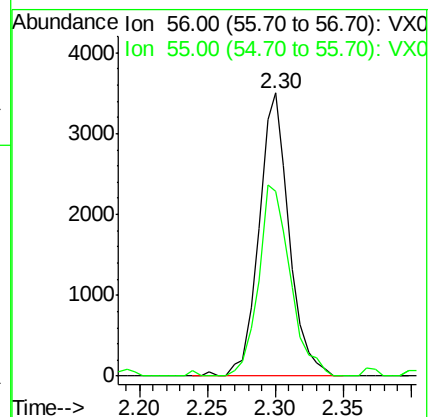
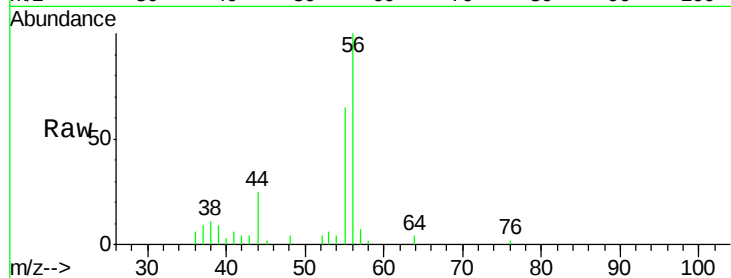
55 71.4 58.8 88.2

Manual Integrations

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#14

Allyl chloride

Concen: 6.19 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

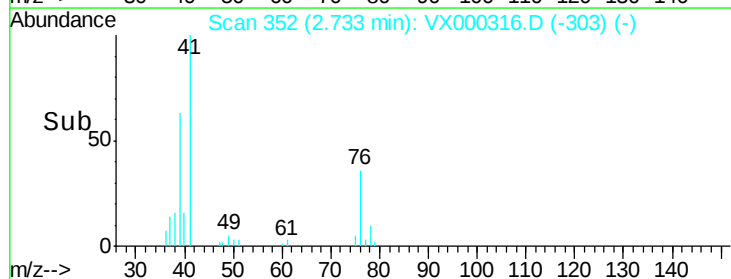
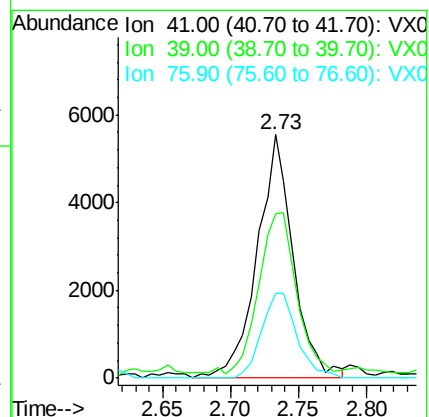
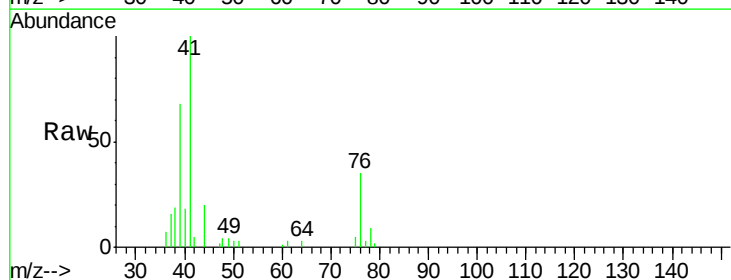
Tgt Ion: 41 Resp: 10305

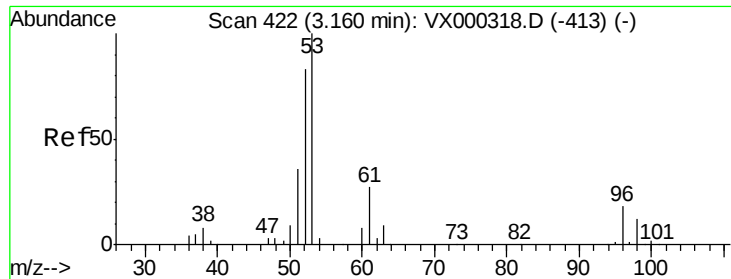
Ion Ratio Lower Upper

41 100

39 70.0 57.6 86.4

76 34.3 27.3 40.9





#15

Acrylonitrile

Concen: 32.21 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

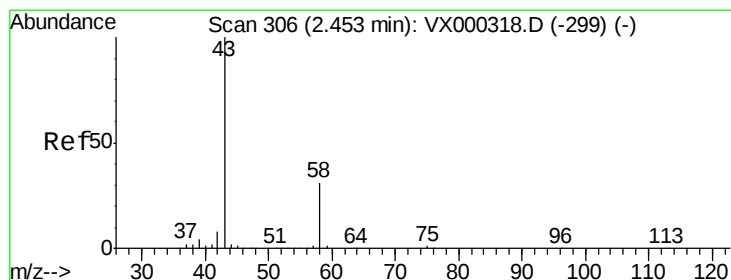
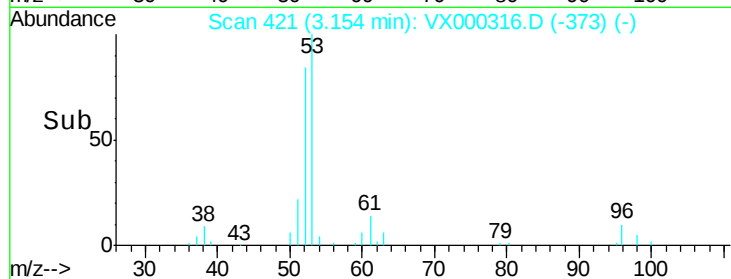
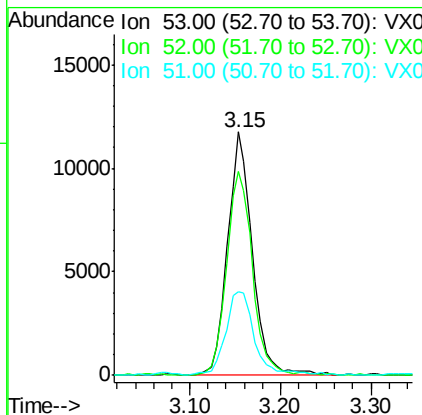
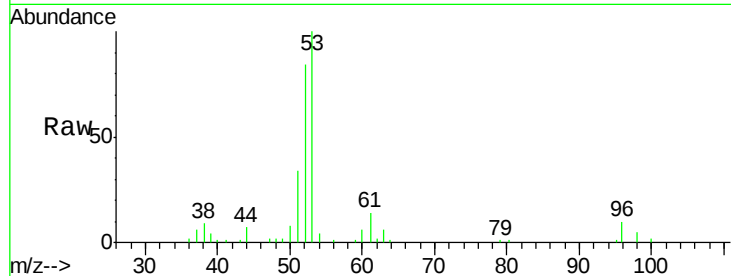
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	22370
Ion	Ratio	Lower	Upper
53	100		
52	86.4	66.6	99.8
51	40.3	29.3	43.9

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#16

Acetone

Concen: 26.93 ug/l

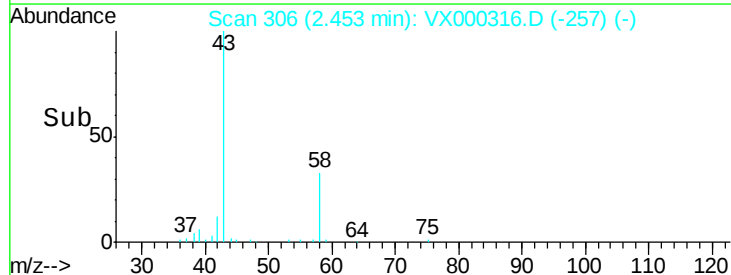
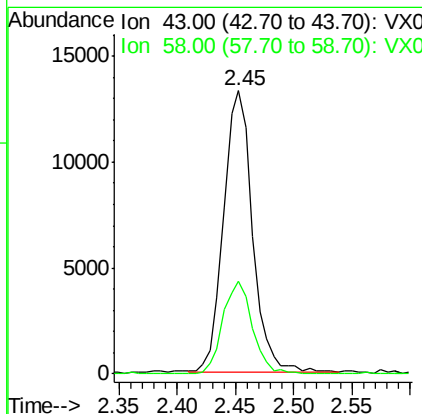
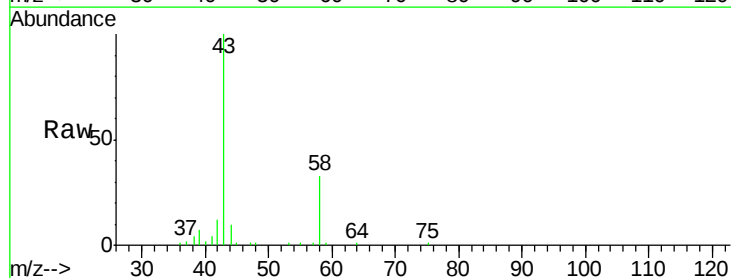
RT: 2.45 min Scan# 306

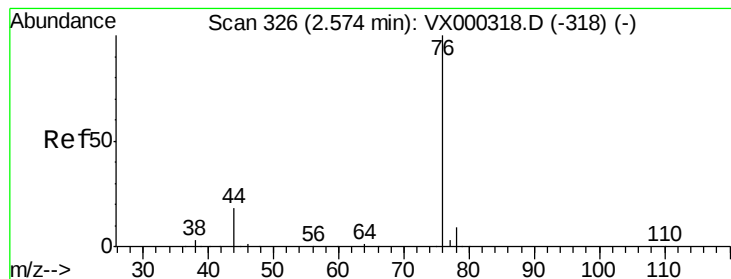
Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	43	Resp:	22852
Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.7	37.1





#17

Carbon Disulfide

Concen: 5.91 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 16491

Ion Ratio Lower Upper

76 100

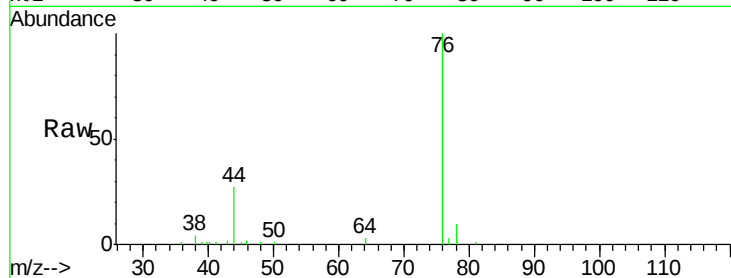
78 10.1 7.0 10.6

Manual Integrations

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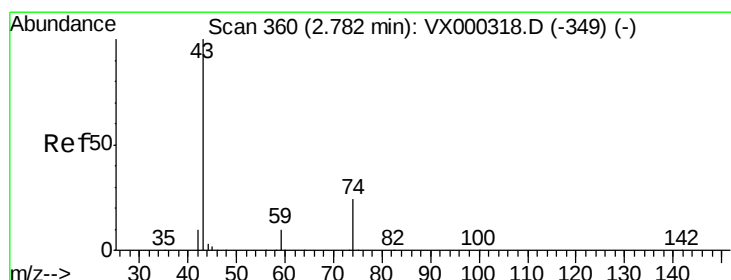
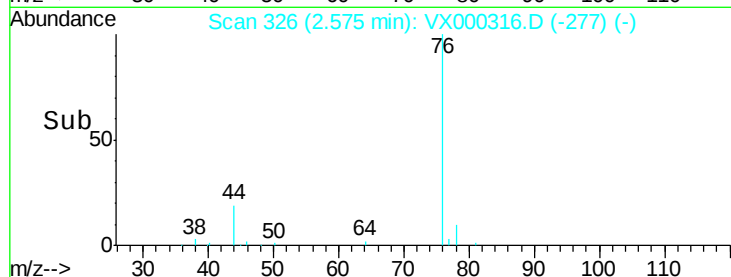
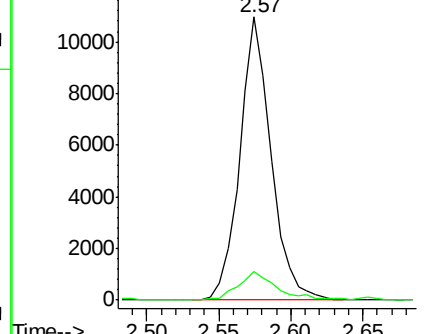
sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 6.52 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX000316.D

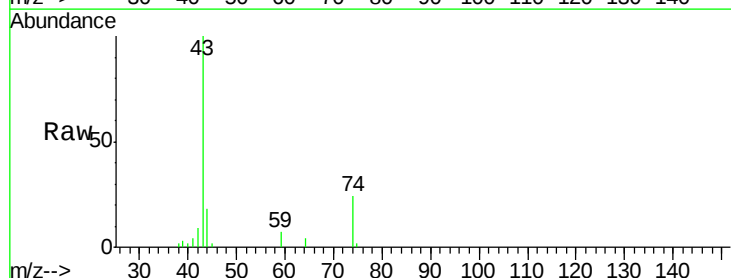
Acq: 14 Mar 2018 16:25

Tgt Ion: 43 Resp: 11067

Ion Ratio Lower Upper

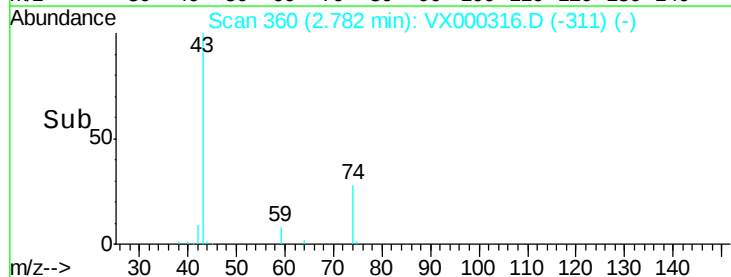
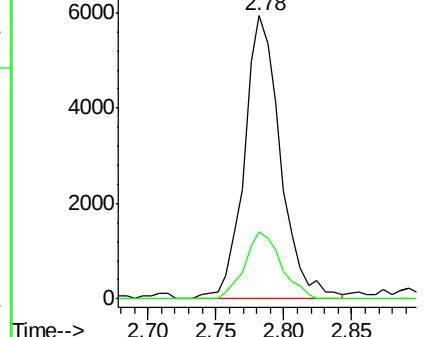
43 100

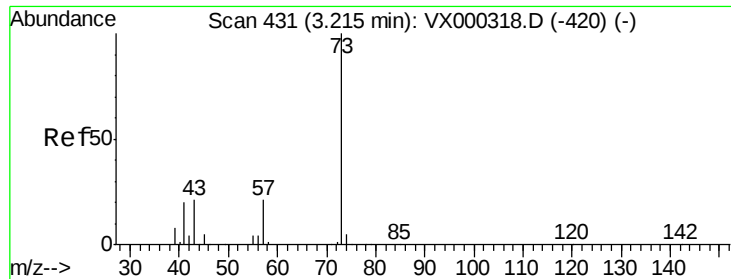
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





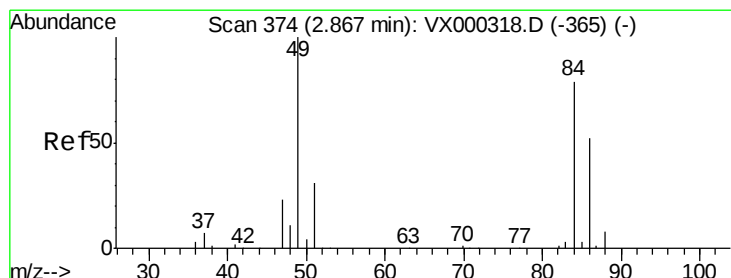
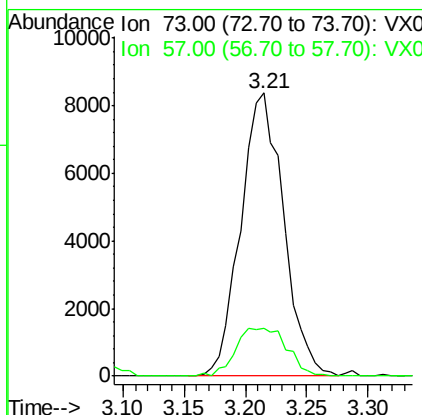
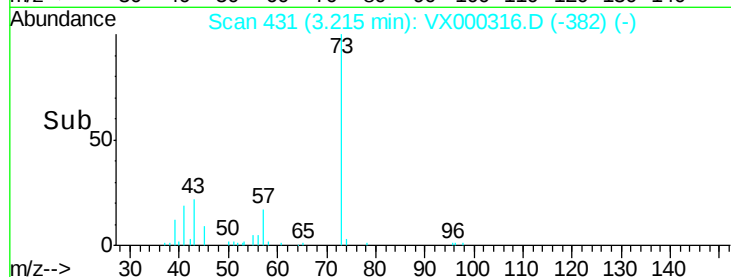
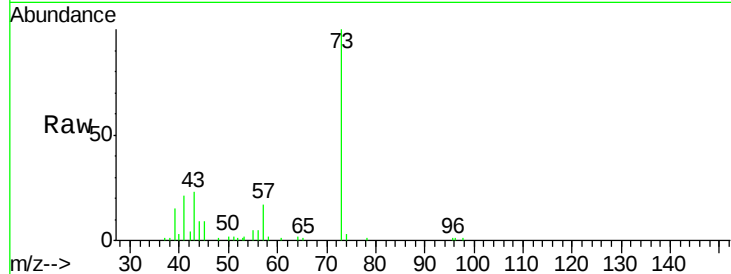
#19
Methyl tert-butyl Ether
Concen: 6.54 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 20386
Ion Ratio Lower Upper
73 100
57 16.8 17.2 25.8#

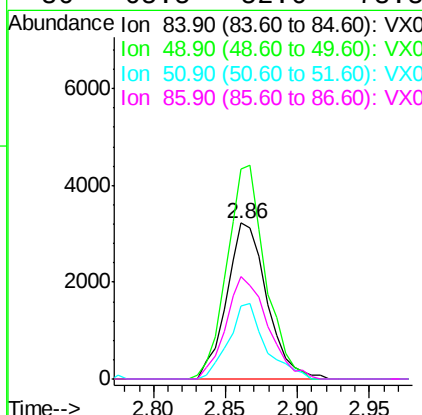
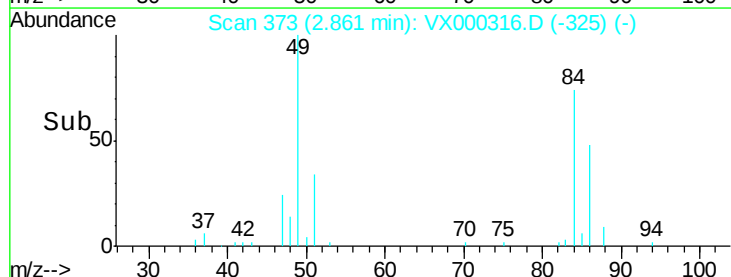
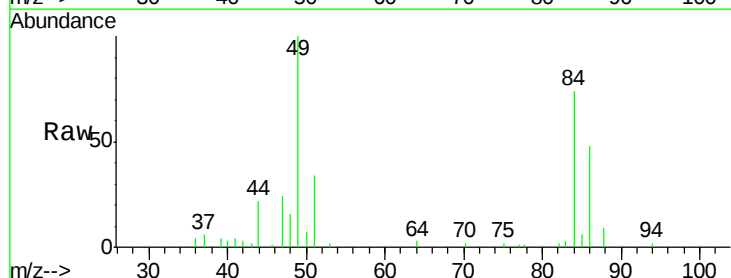
Manual Integrations
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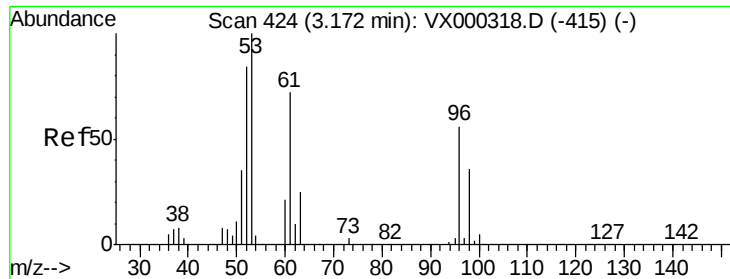
sam
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#20
Methylene Chloride
Concen: 6.30 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion: 84 Resp: 6297
Ion Ratio Lower Upper
84 100
49 135.3 100.6 151.0
51 46.6 31.6 47.4
86 65.5 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 6.53 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

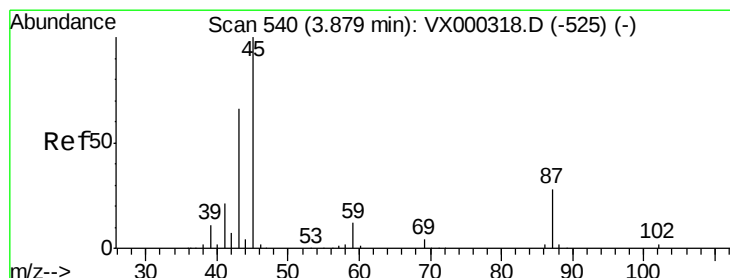
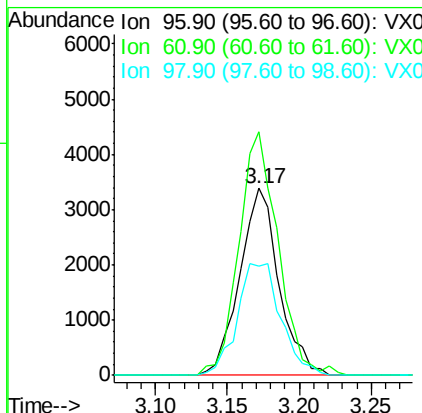
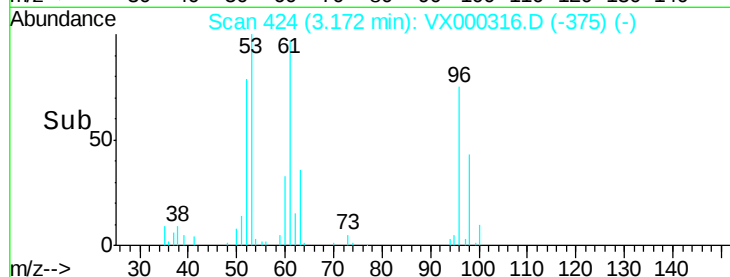
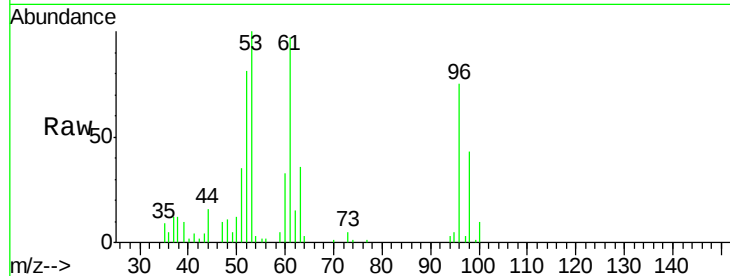
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	6392
Ion	Ratio	Lower	Upper
96	100		
61	130.1	104.0	156.0
98	58.3	52.1	78.1

Manual Integrations
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sam
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#22

Diisopropyl ether

Concen: 6.89 ug/l

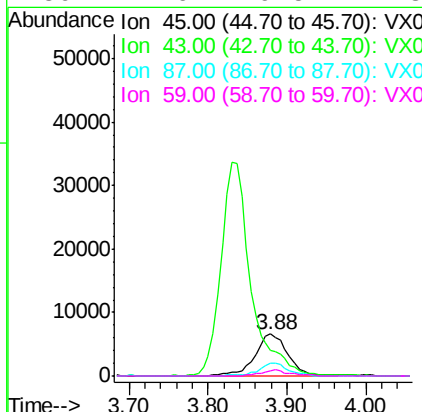
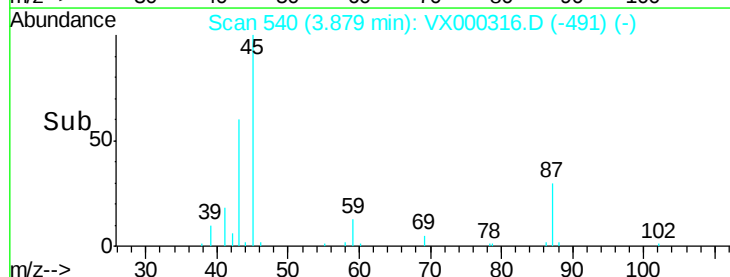
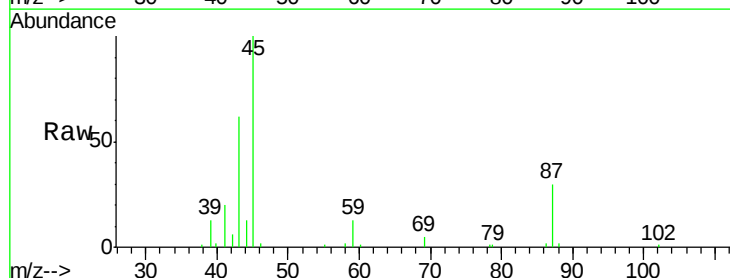
RT: 3.88 min Scan# 540

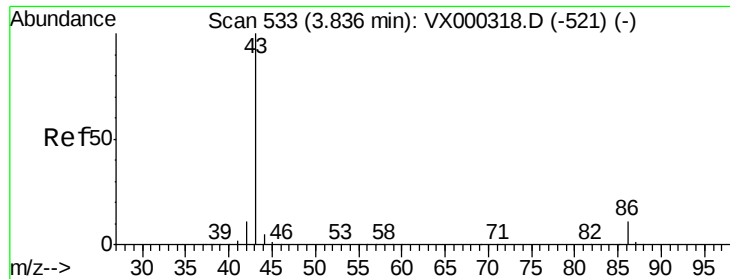
Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	45	Resp:	19503
Ion	Ratio	Lower	Upper
45	100		
43	60.0	53.9	80.9
87	29.7	22.6	34.0
59	12.6	9.5	14.3





#23

Vinyl Acetate

Concen: 35.28 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 88674

Ion Ratio Lower Upper

43 100

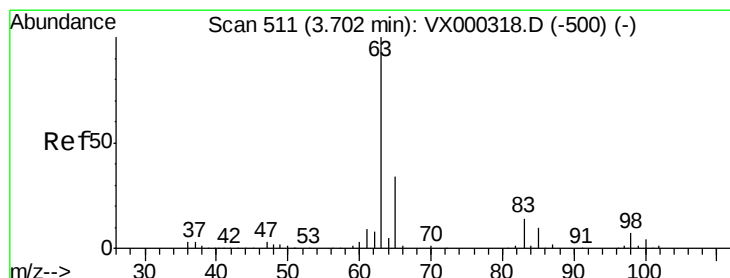
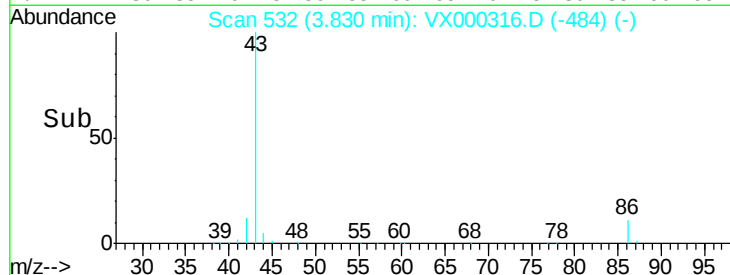
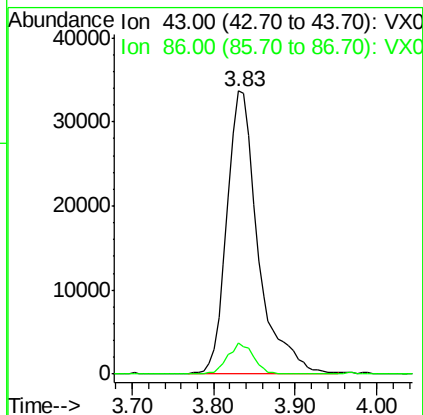
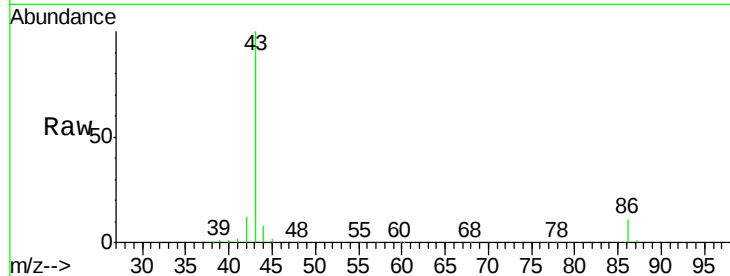
86 11.2 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 6.87 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

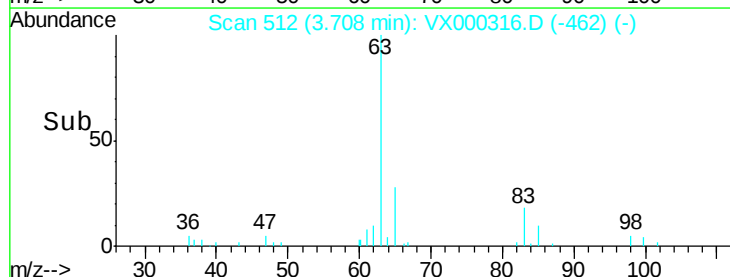
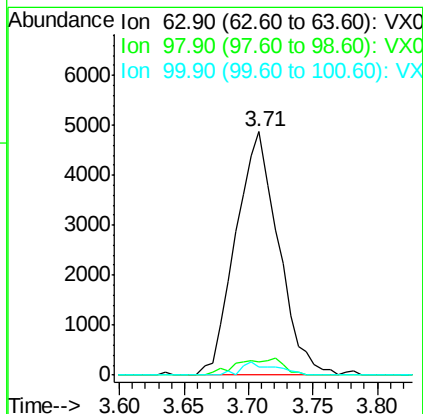
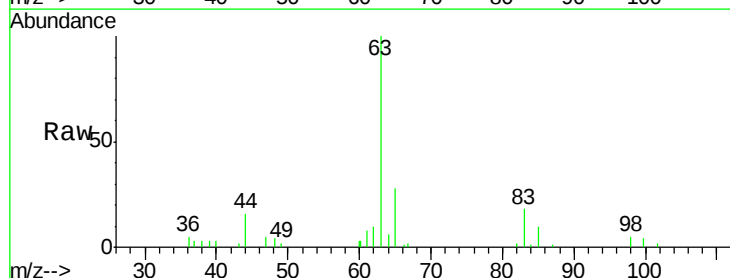
Tgt Ion: 63 Resp: 11221

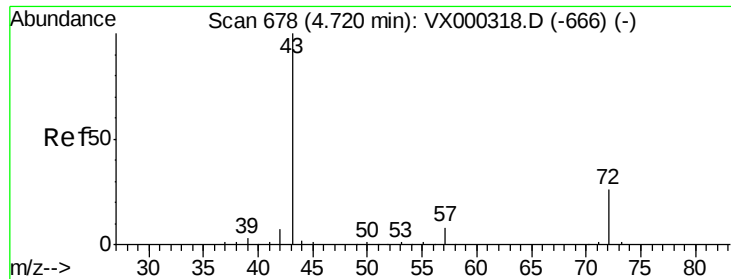
Ion Ratio Lower Upper

63 100

98 5.3 3.3 9.9

100 3.5 2.0 5.8





#25

2-Butanone

Concen: 25.06 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 28316

Ion Ratio Lower Upper

43 100

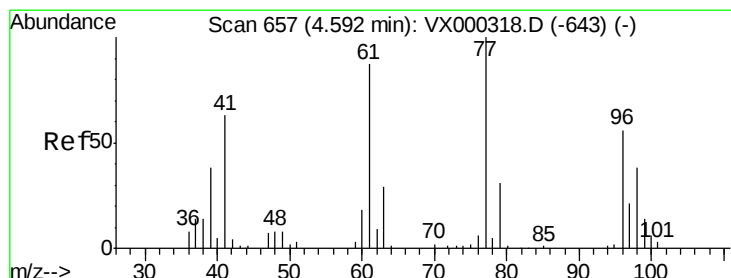
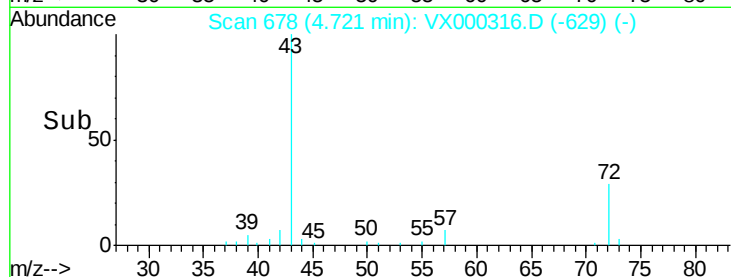
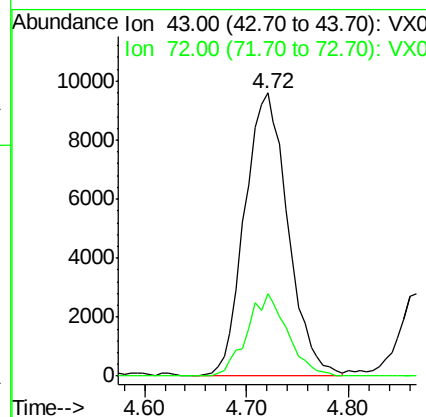
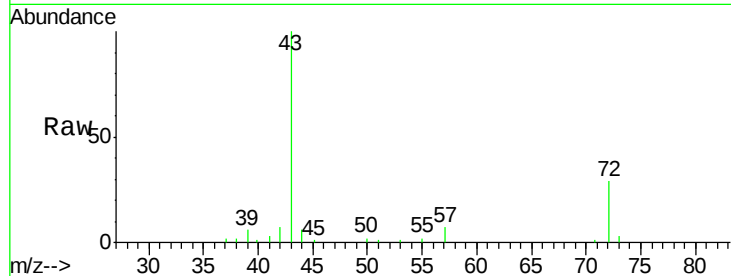
72 29.1 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.16 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX000316.D

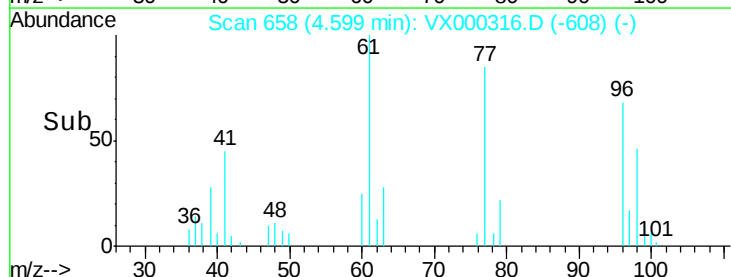
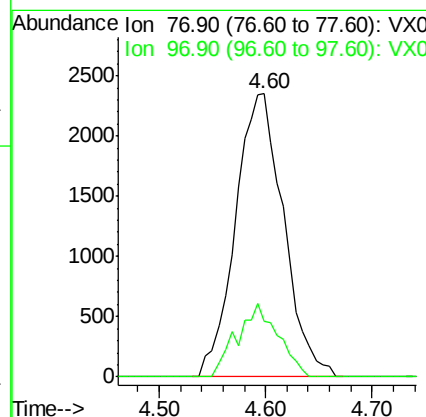
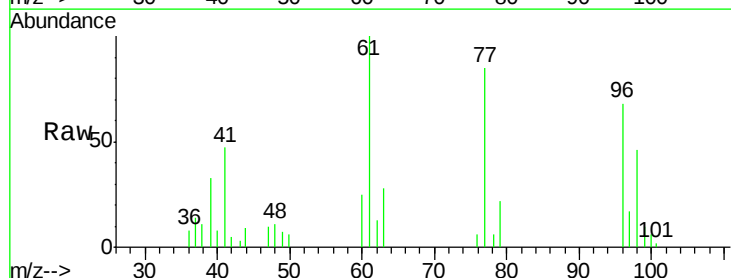
Acq: 14 Mar 2018 16:25

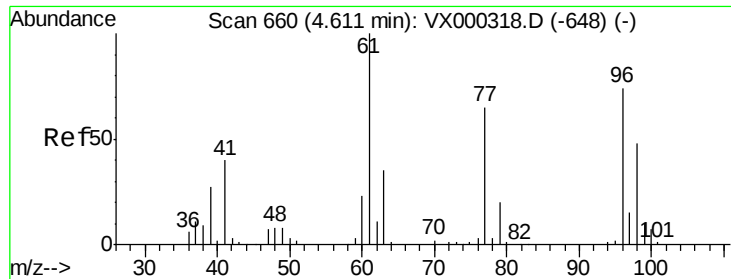
Tgt Ion: 77 Resp: 7431

Ion Ratio Lower Upper

77 100

97 22.1 11.3 33.8





#27

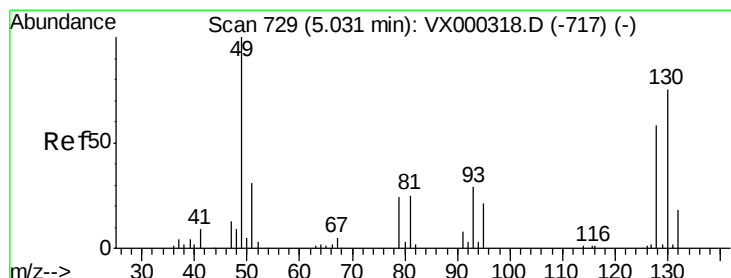
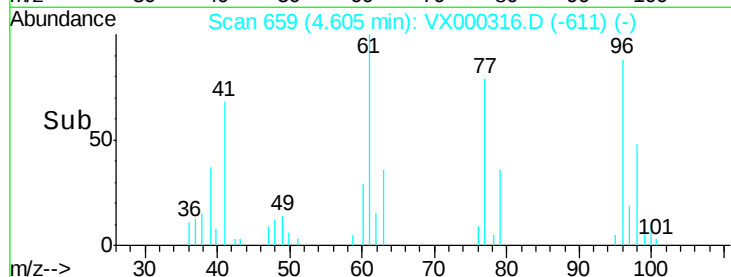
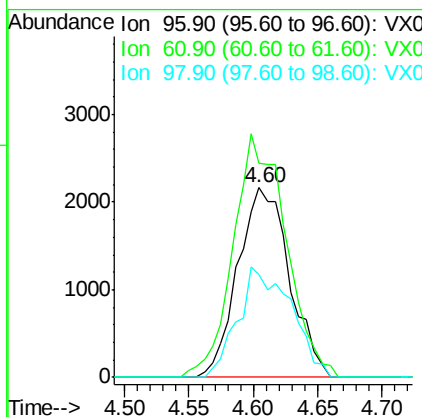
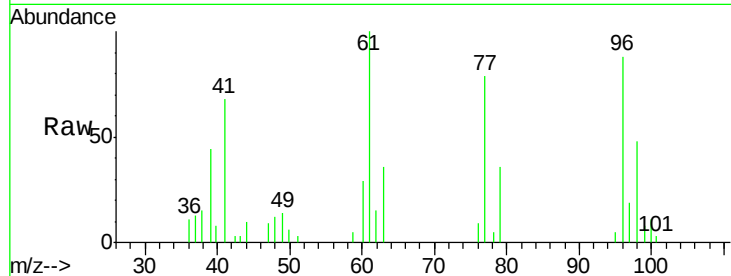
cis-1,2-Dichloroethene
Concen: 5.92 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	291.6
98	60.3	0.0	132.0

Manual Integrations
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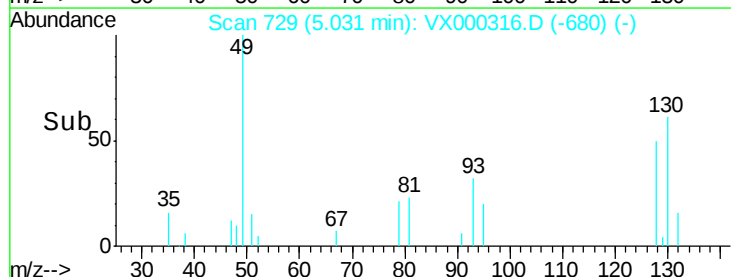
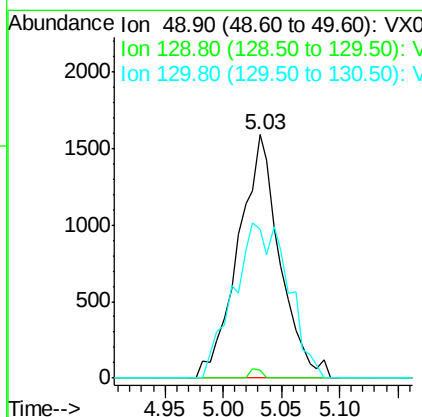
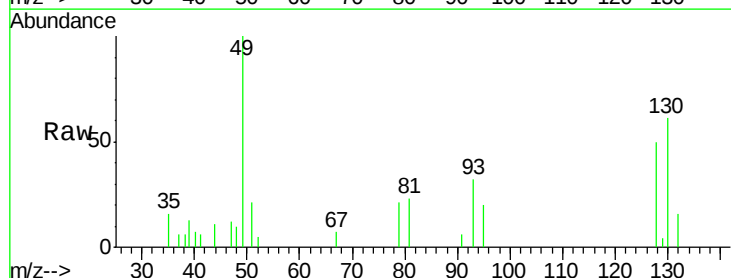
sam
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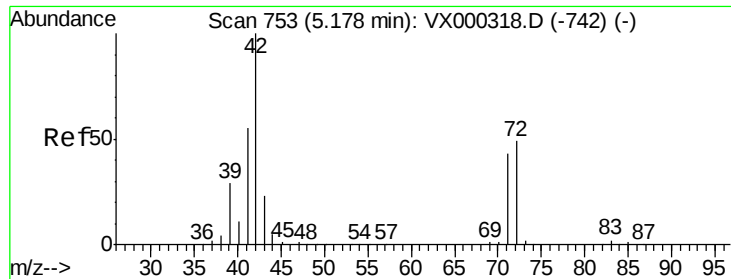


#28

Bromochloromethane
Concen: 5.13 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	5.0
130	83.2	64.0	96.0





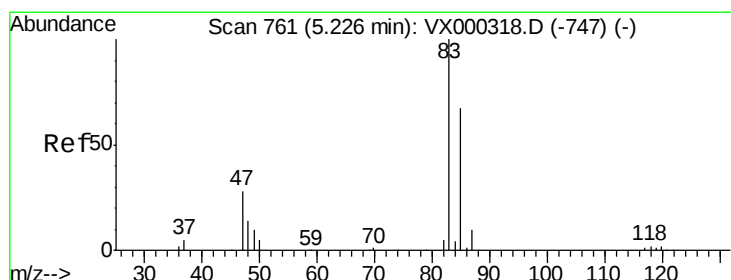
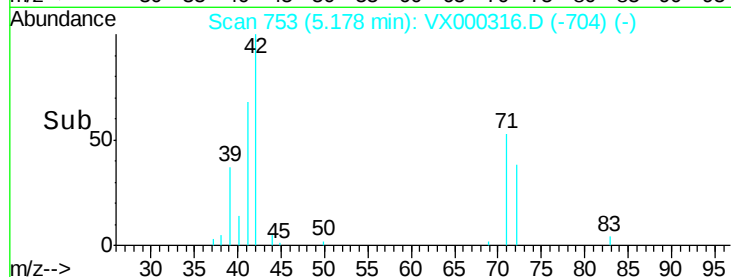
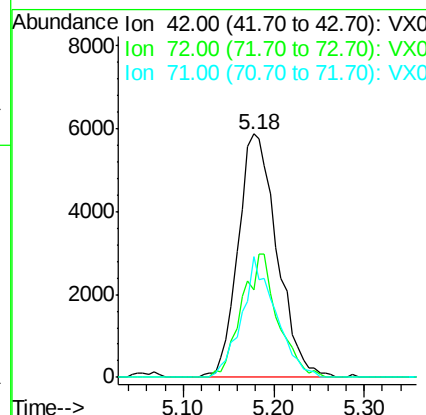
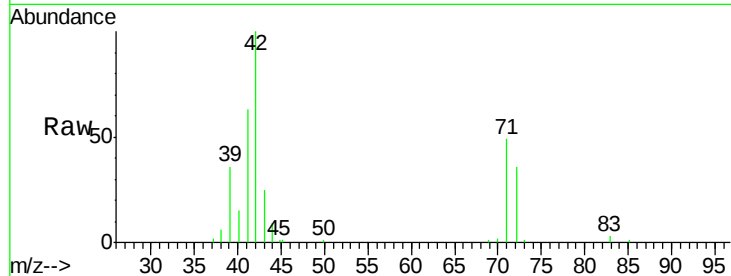
#29
Tetrahydrofuran
Concen: 25.20 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.9	56.9
71	43.5	34.4	51.6

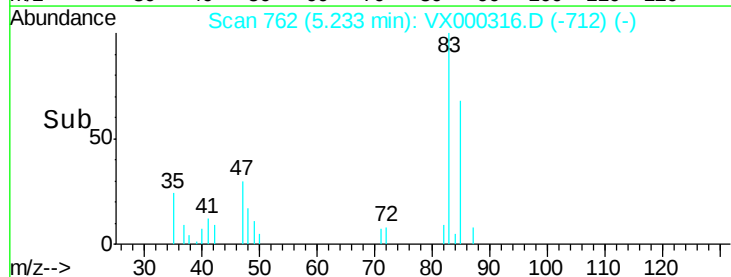
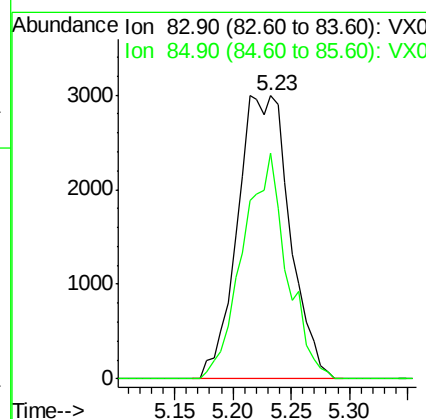
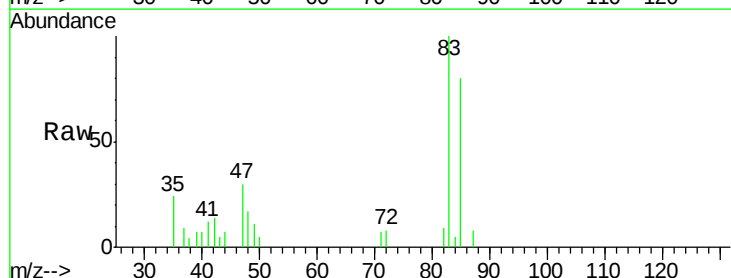
Manual Integrations
APPROVED

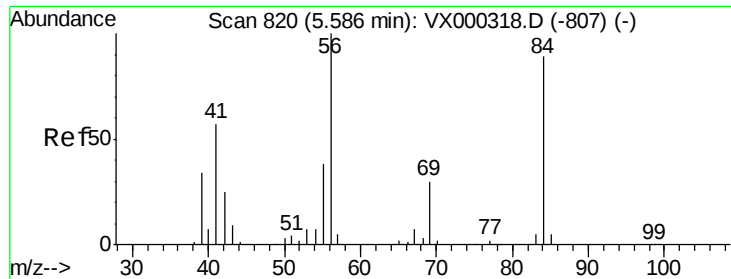
sam
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#30
Chloroform
Concen: 5.47 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	80.0	53.3	79.9





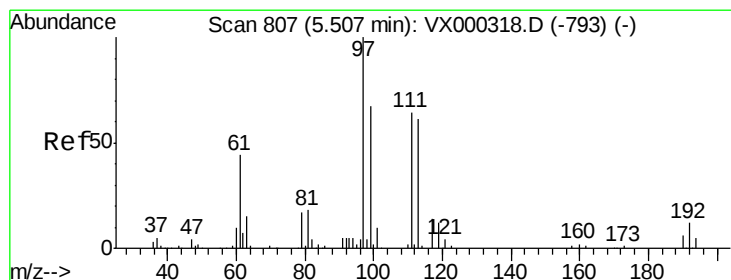
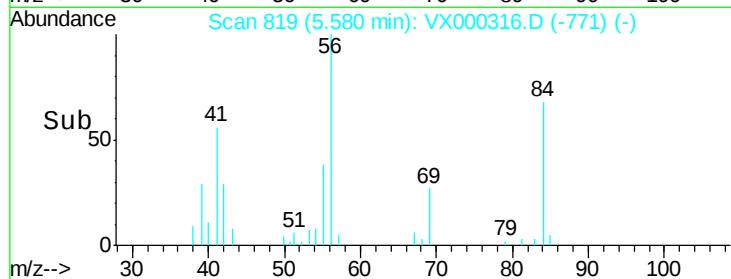
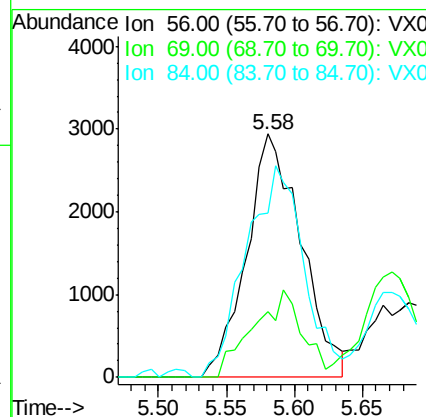
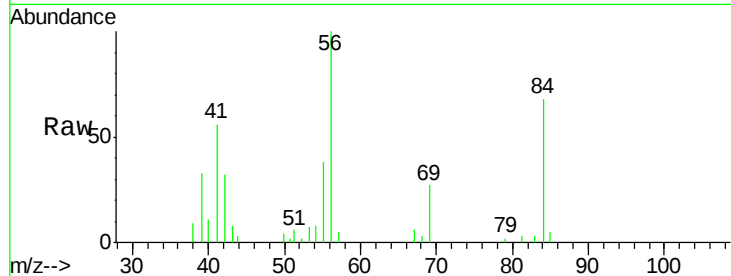
#31
Cvclohexane
Concen: 5.54 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.2	23.4	35.0
84	67.7	71.0	106.4#

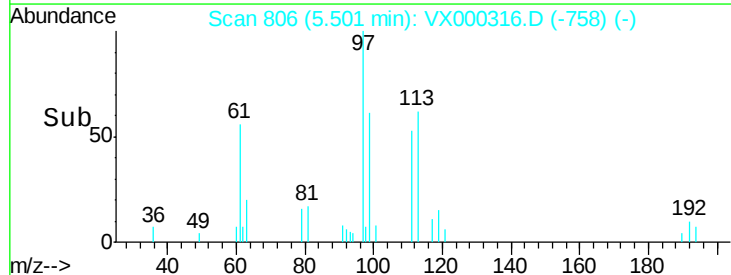
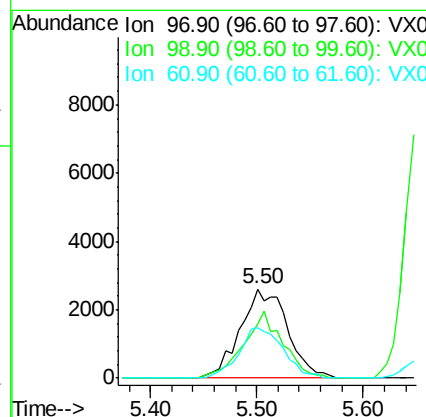
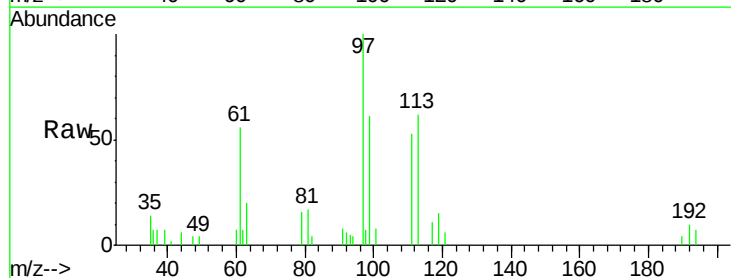
Manual Integrations
APPROVED

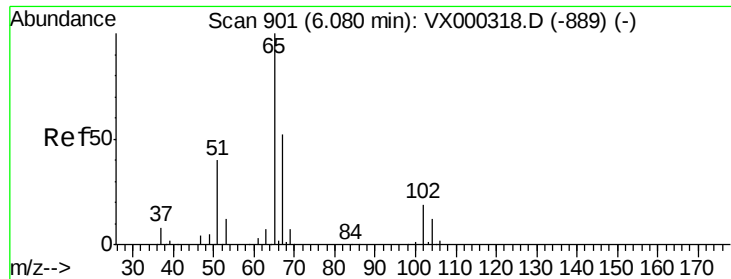
sam
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#32
1,1,1-Trichloroethane
Concen: 5.07 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.1	78.1
61	52.7	36.2	54.4





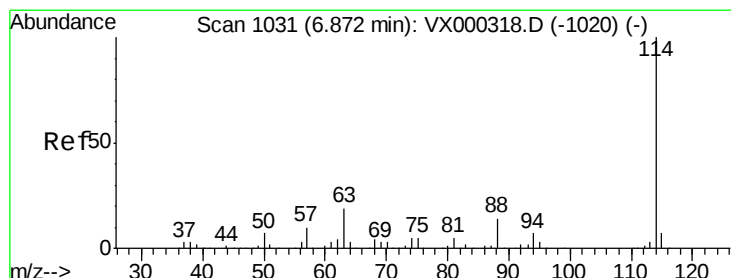
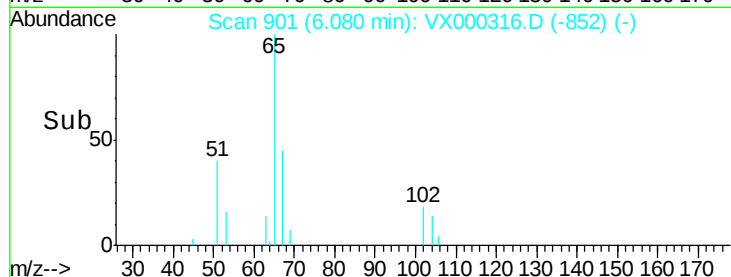
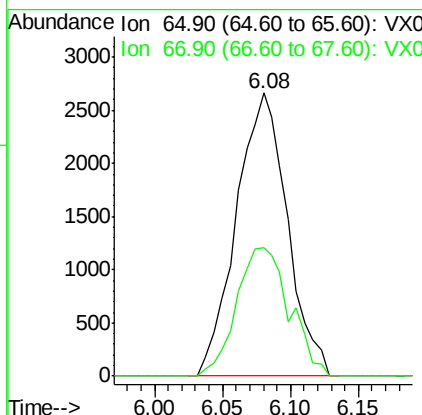
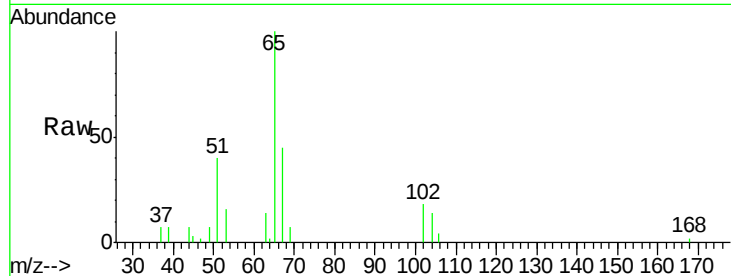
#33
 1,2-Dichloroethane-d4
 Concen: 6.19 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.1	0.0	103.2

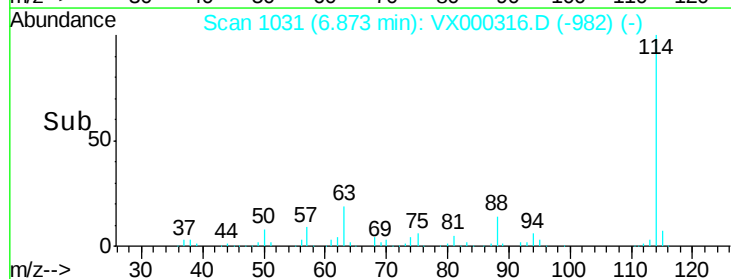
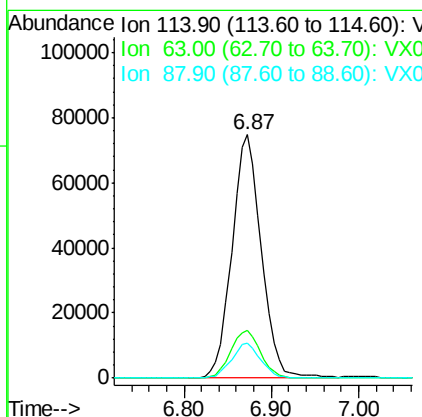
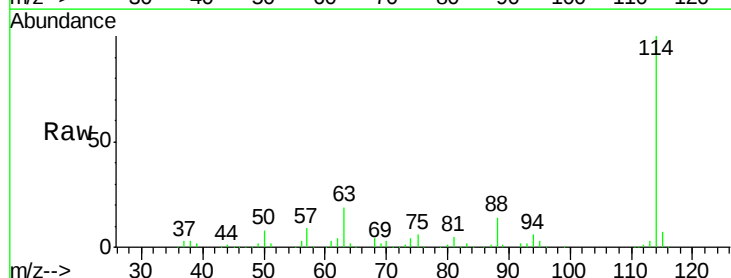
Manual Integrations
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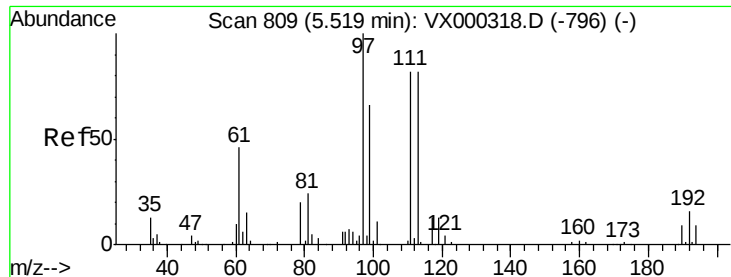
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.4
88	14.3	0.0	27.0





#35

Dibromofluoromethane

Concen: 4.44 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

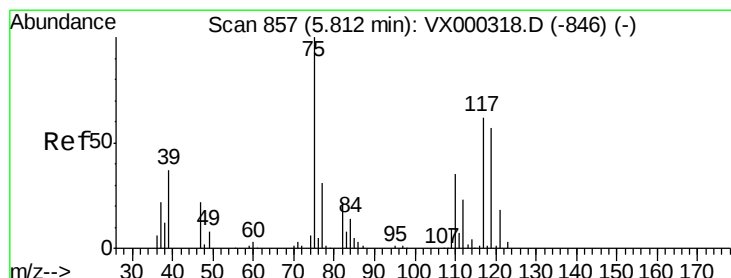
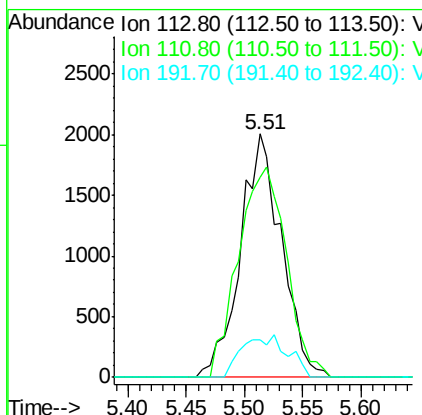
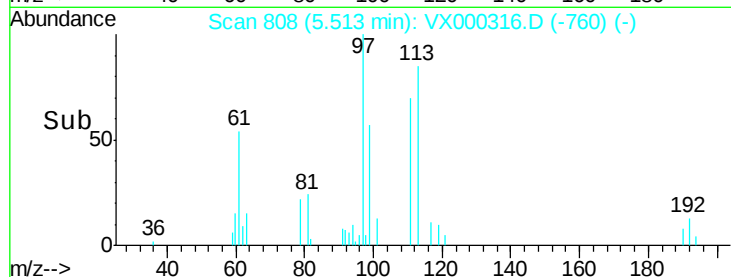
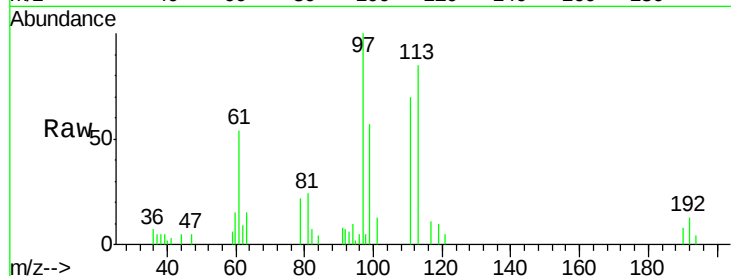
ClientSampled :

VSTDIC005

Tot Ion:	113	Resp:	4927
Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.4	123.6
192	19.0	15.8	23.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.26 ug/l

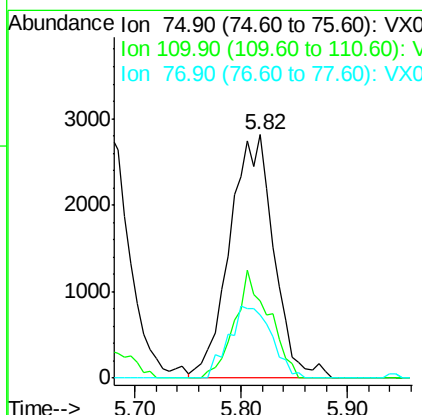
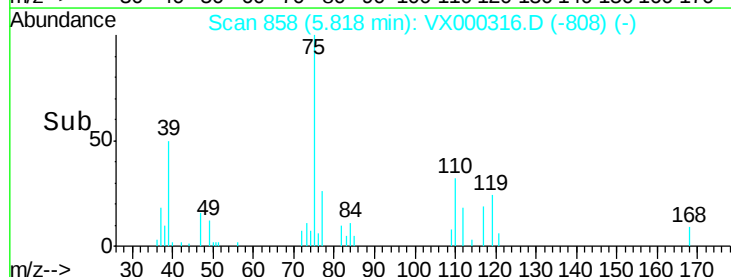
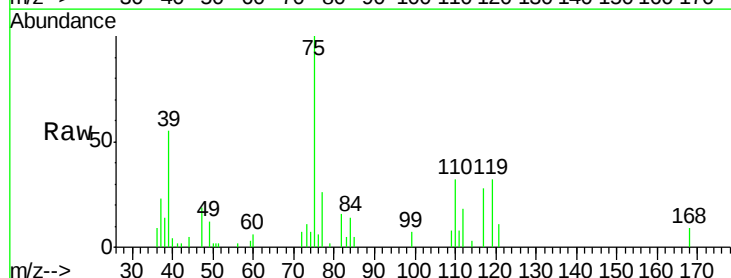
RT: 5.82 min Scan# 858

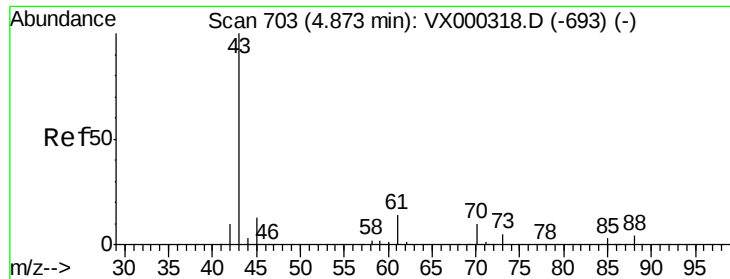
Delta R.T. 0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	75	Resp:	8153
Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.9	53.7
77	28.5	24.0	36.0





#37

Ethyl Acetate

Concen: 4.88 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

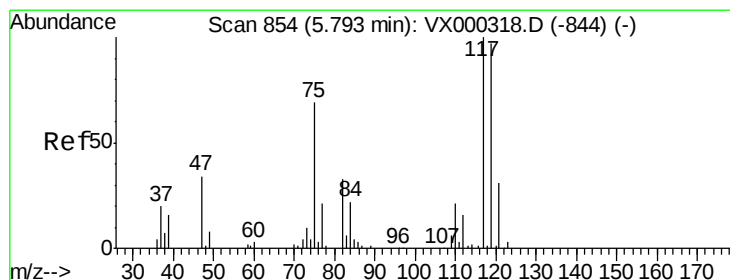
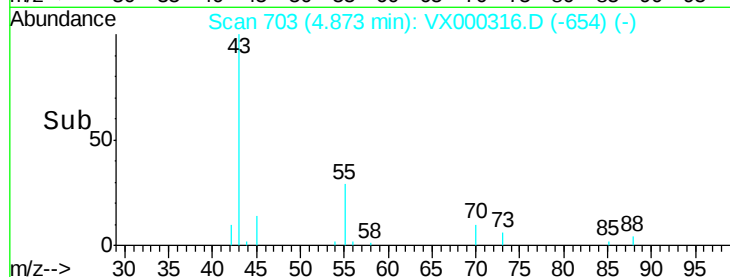
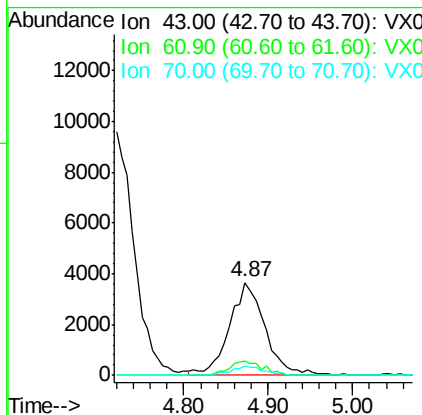
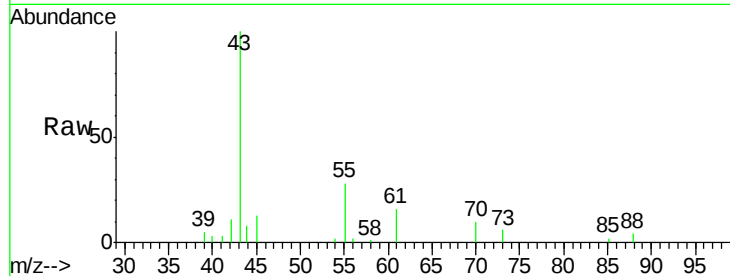
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	10547
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	9.1	7.7	11.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 4.30 ug/l

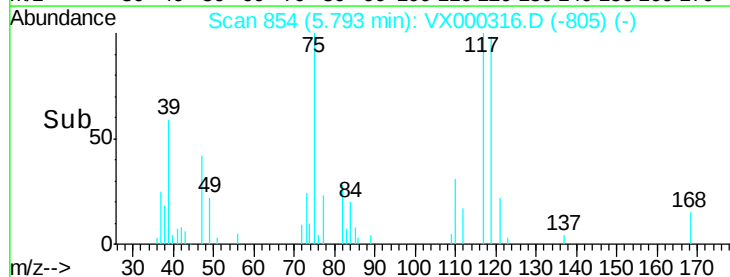
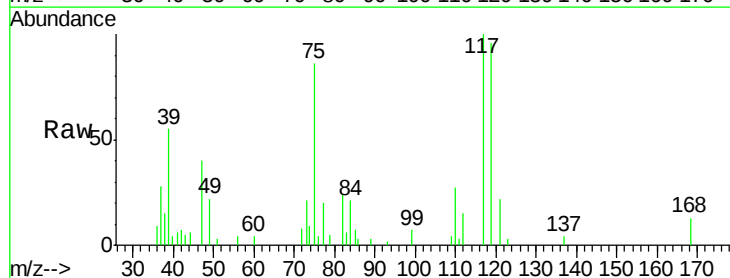
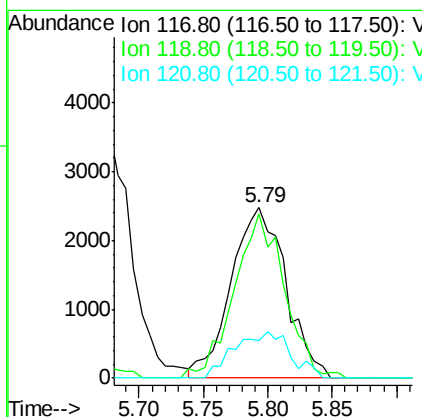
RT: 5.79 min Scan# 854

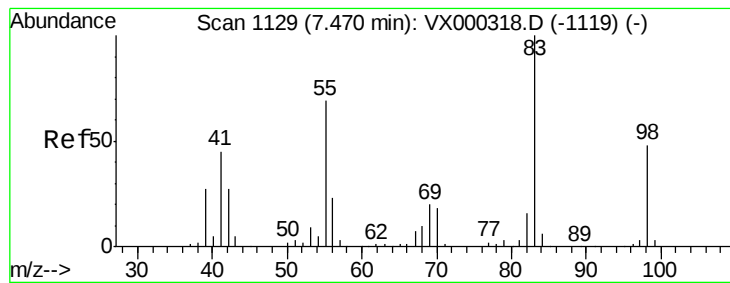
Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	117	Resp:	7285
Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.4	116.2
121	22.4	24.8	37.2#





#39

Methvlcvclohexane

Concen: 4.64 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

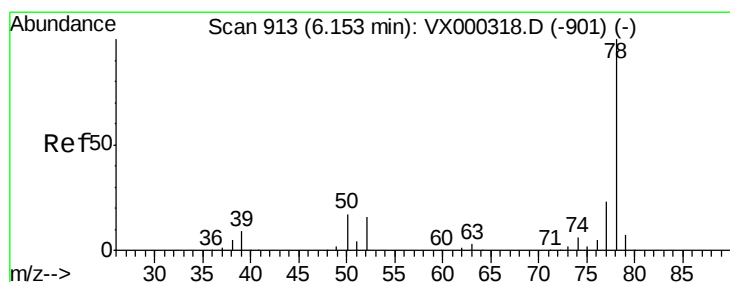
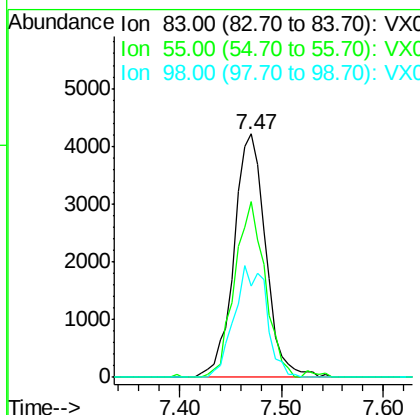
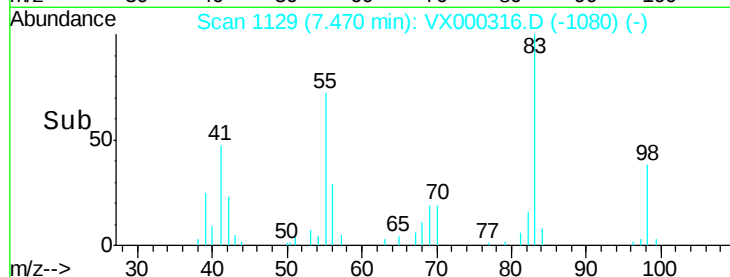
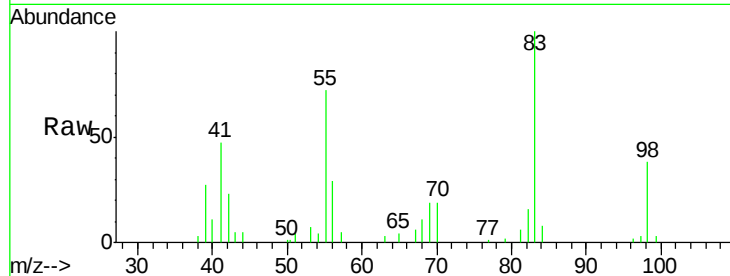
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	9051
Ion	Ratio	Lower	Upper
83	100		
55	72.4	55.5	83.3
98	37.6	38.2	57.4#

Manual Integrations
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#40

Benzene

Concen: 4.57 ug/l

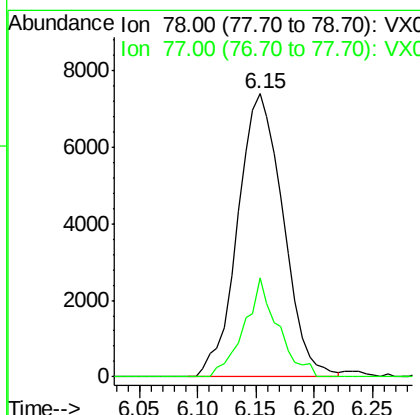
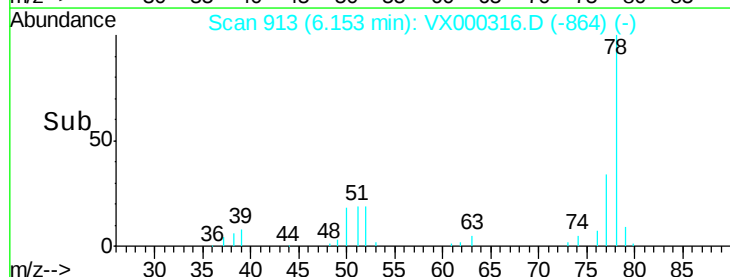
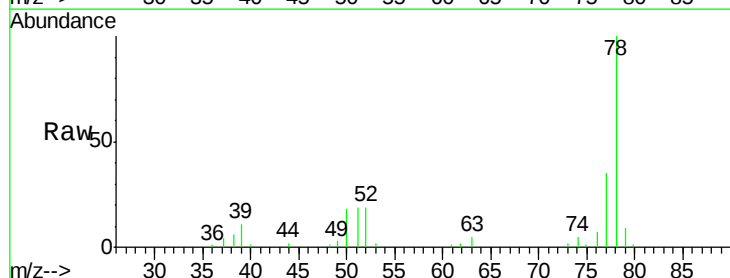
RT: 6.15 min Scan# 913

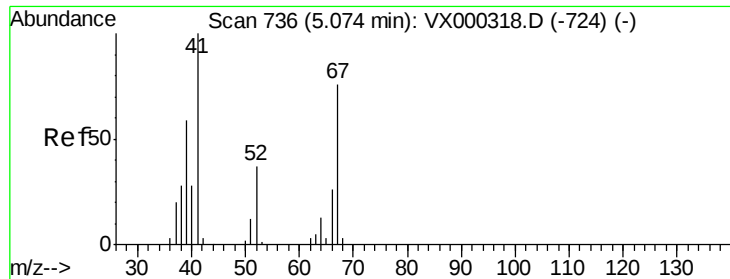
Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	78	Resp:	20103
Ion	Ratio	Lower	Upper
78	100		
77	34.8	18.7	28.1#





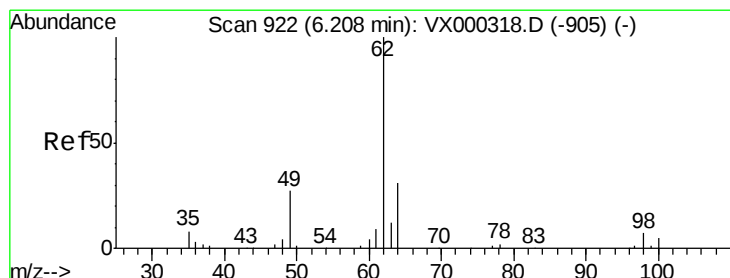
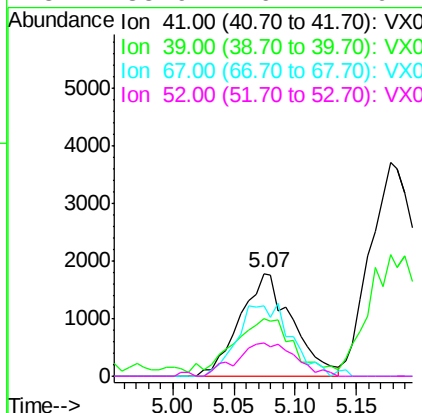
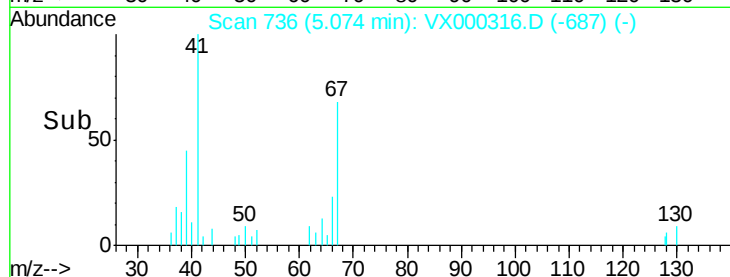
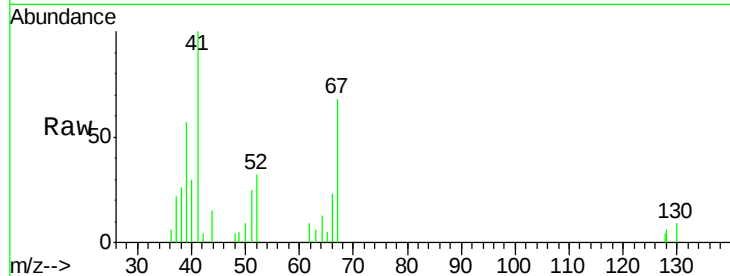
#41
Methacrylonitrile
Concen: 4.68 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	5318
Ion	Ratio	Lower	Upper
41	100		
39	56.1	45.7	68.5
67	70.8	57.8	86.8
52	35.9	26.7	40.1

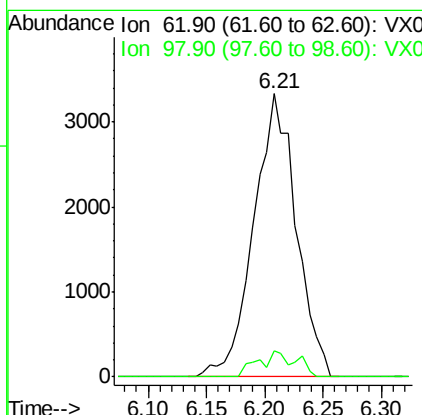
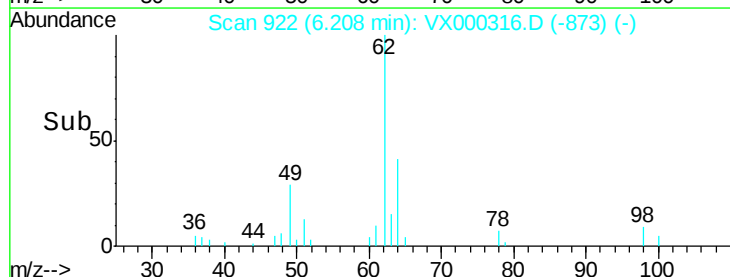
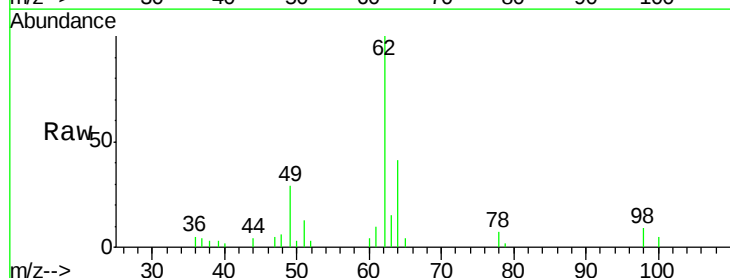
Manual Integrations
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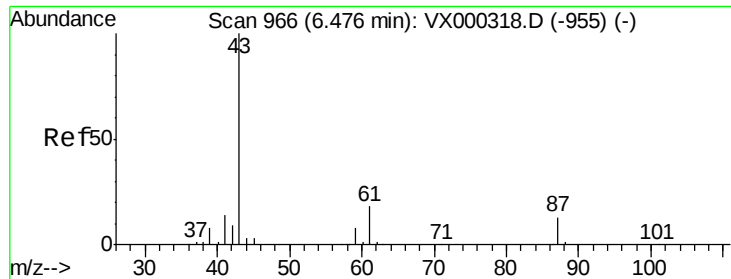
sam
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#42
1,2-Dichloroethane
Concen: 5.28 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion:	62	Resp:	8430
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





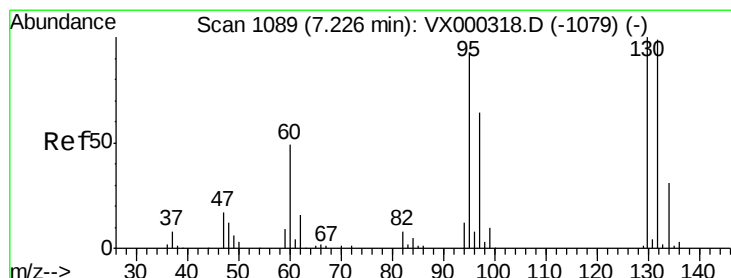
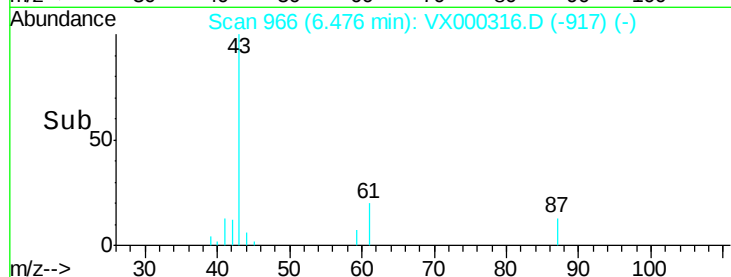
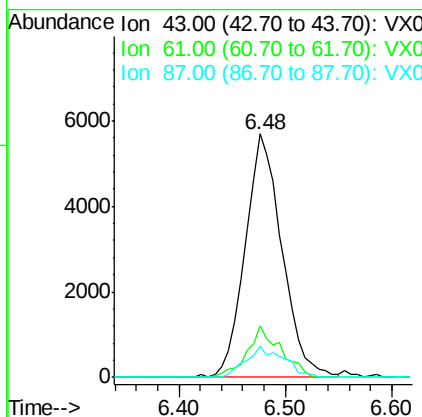
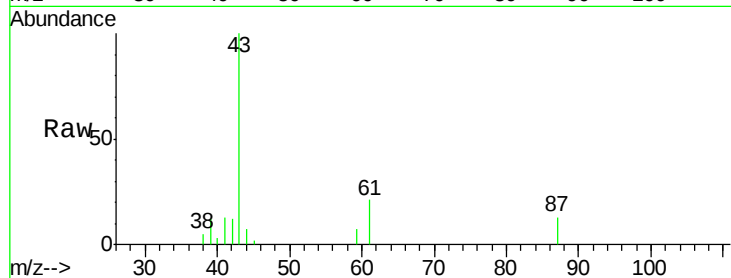
#43
Isopropyl Acetate
Concen: 4.31 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.4	21.6
87	13.0	11.0	16.4

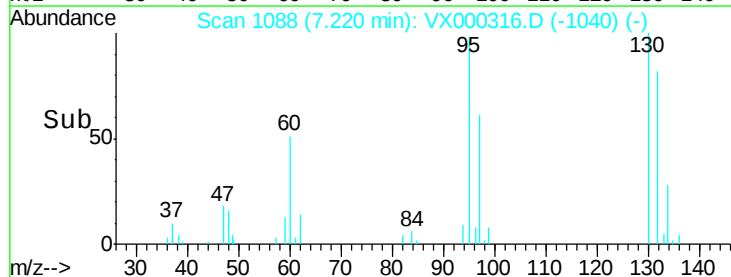
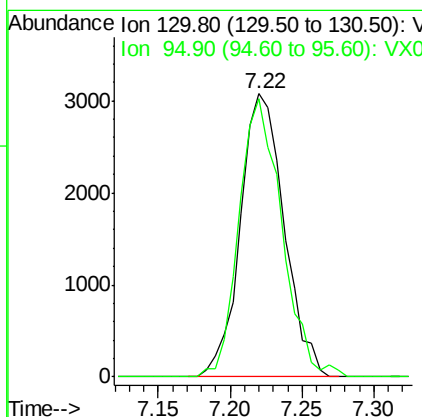
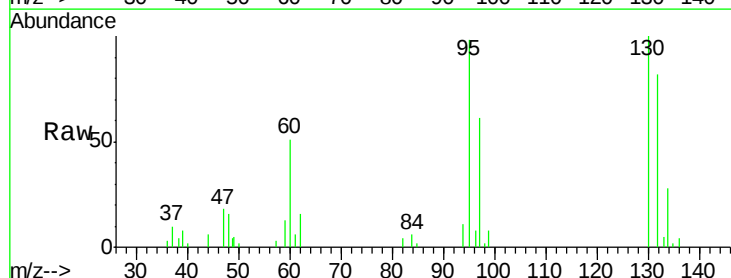
Manual Integrations
APPROVED

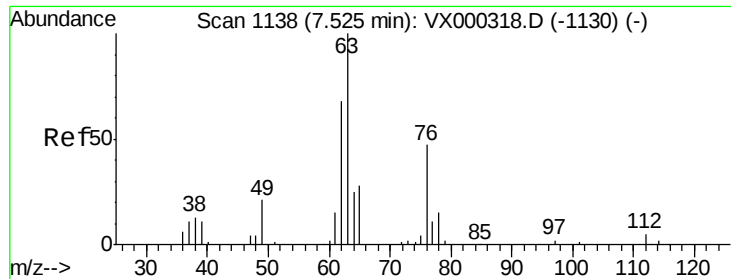
sam
3/15/2018 3:36:55 PM



#44
Trichloroethene
Concen: 4.67 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	186.0





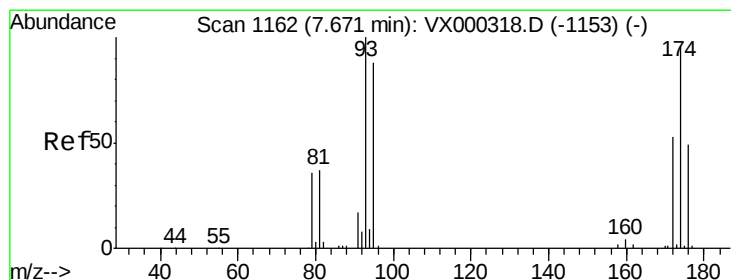
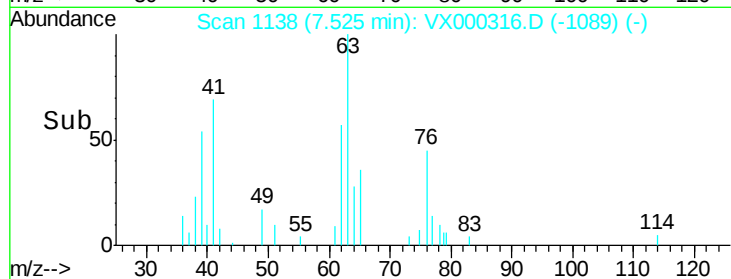
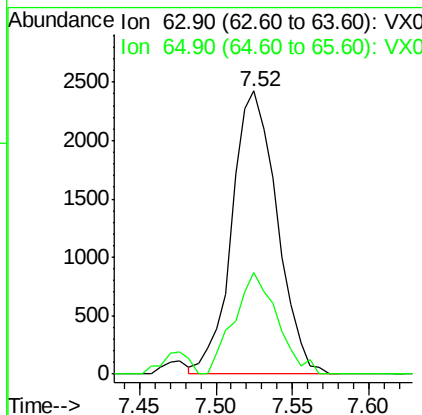
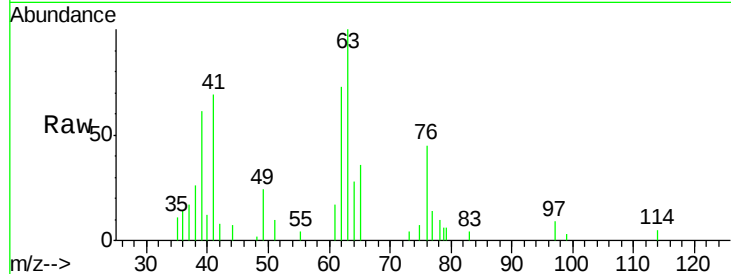
#45
 1,2-Dichloropropane
 Concen: 4.38 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 4959
 Ion Ratio Lower Upper
 63 100
 65 35.7 24.6 36.8

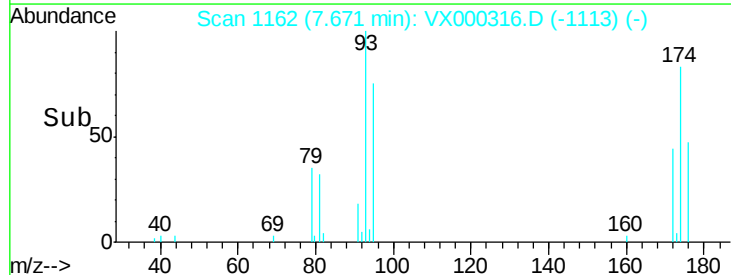
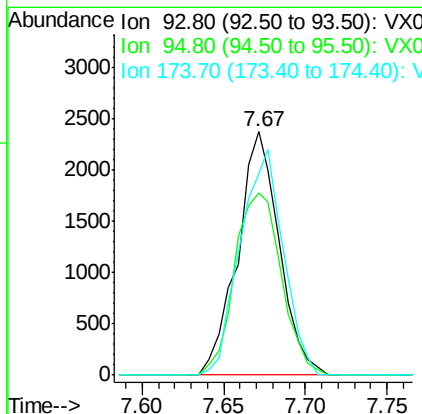
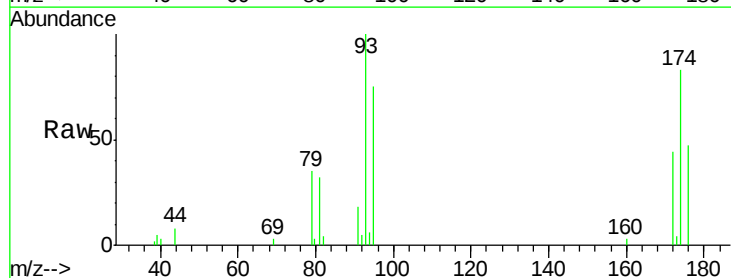
Manual Integrations
 APPROVED

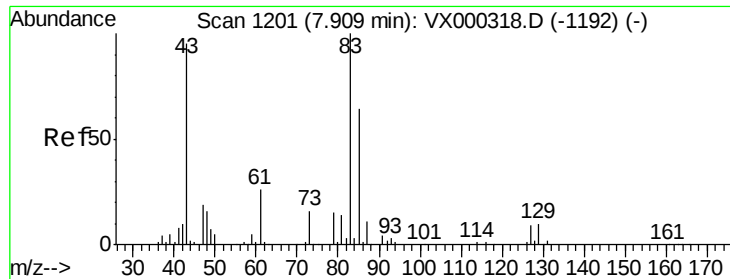
sam
 3/15/2018 3:36:55 PM



#46
 Dibromomethane
 Concen: 5.00 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Tgt Ion: 93 Resp: 4226
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.5 99.7
 174 95.5 76.0 114.0





#47

Bromodichloromethane

Concen: 4.49 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

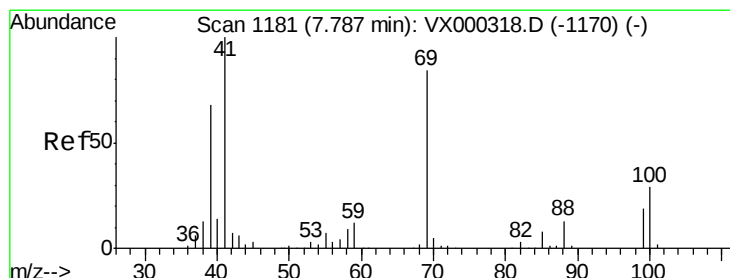
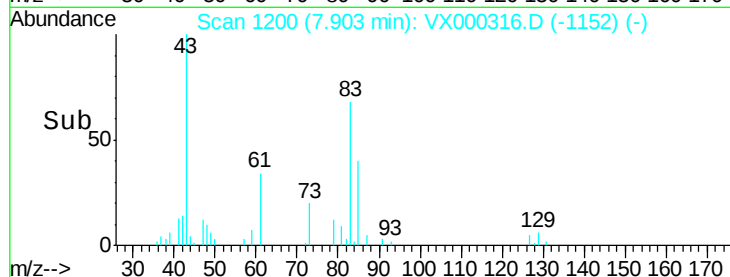
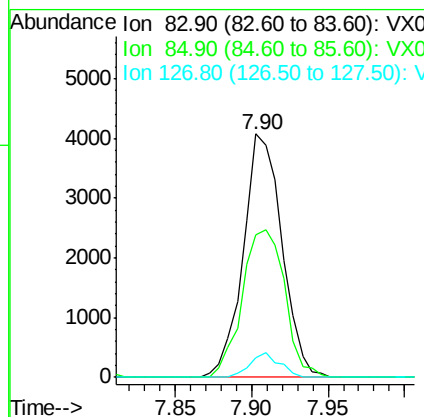
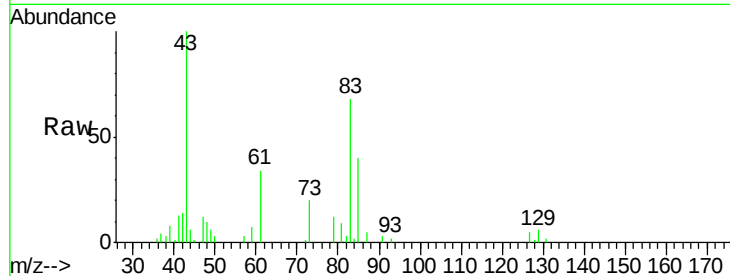
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	7177
Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.4	77.0
127	8.0	7.0	10.6

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 4.43 ug/l

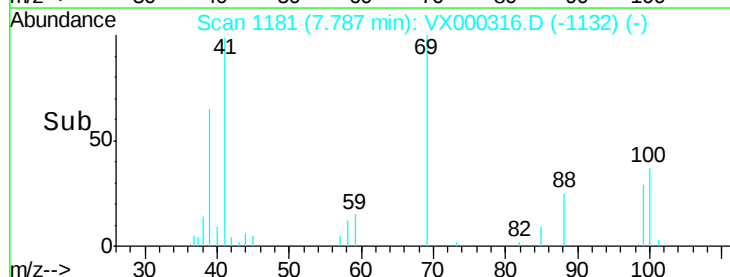
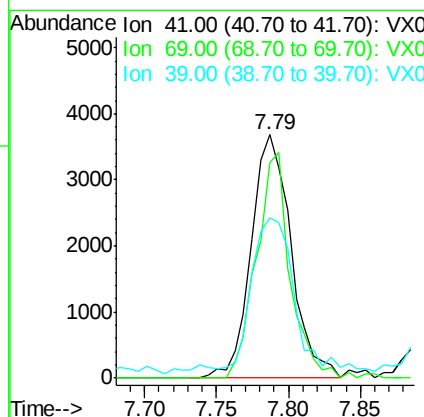
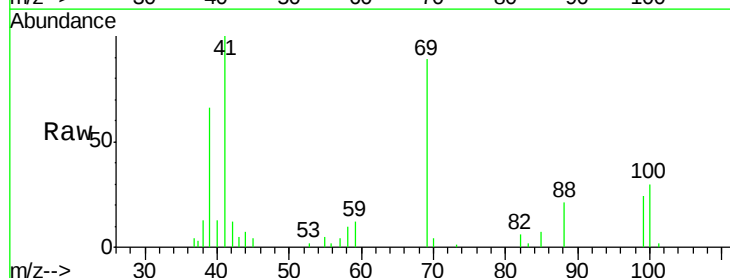
RT: 7.79 min Scan# 1181

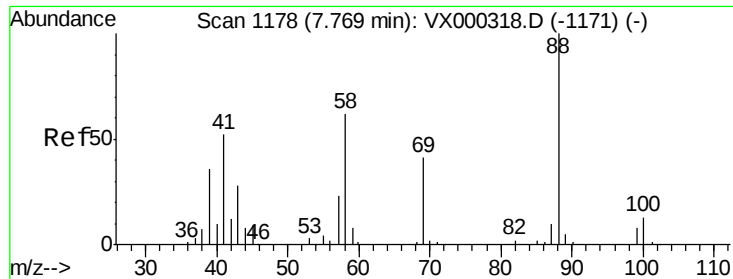
Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	41	Resp:	7032
Ion	Ratio	Lower	Upper
41	100		
69	78.7	68.2	102.4
39	70.4	54.6	81.8





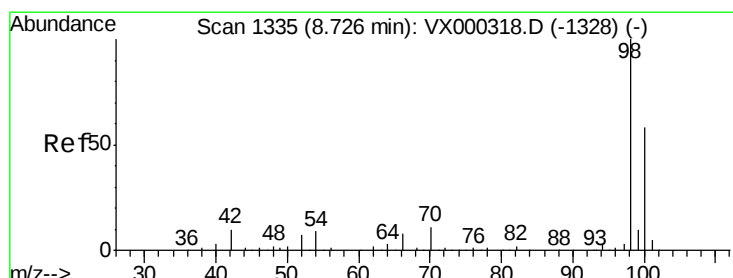
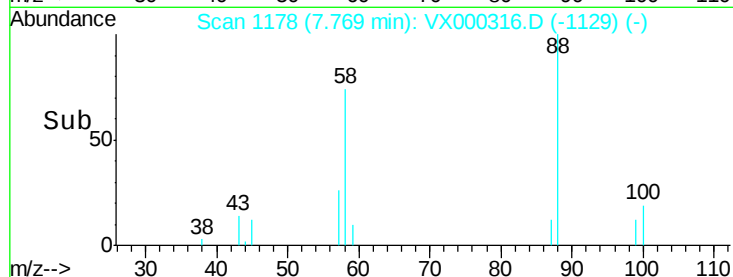
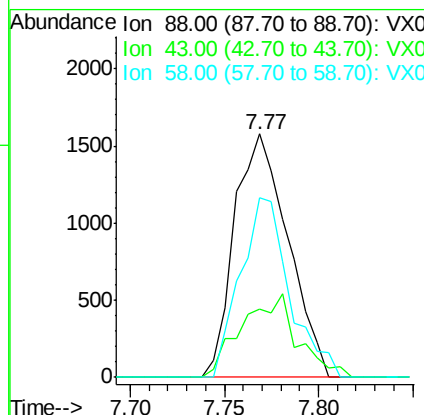
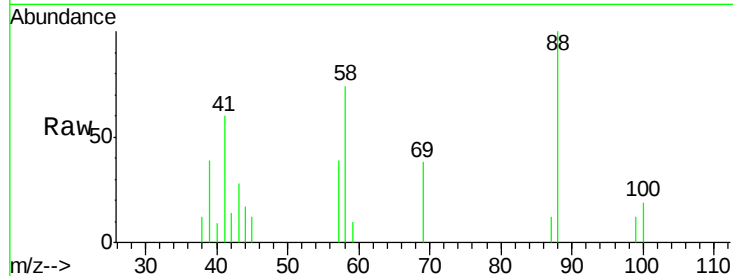
#49
1,4-Dioxane
Concen: 77.22 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	26.8	40.2
58	68.0	52.2	78.2

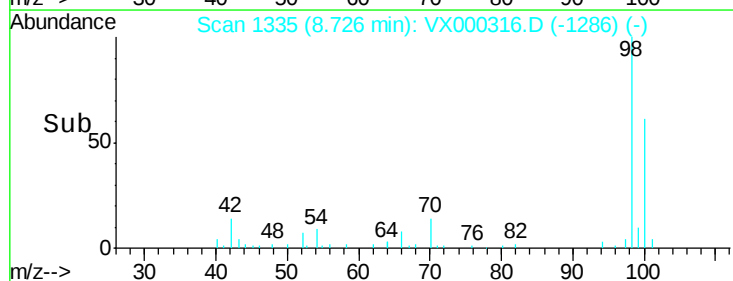
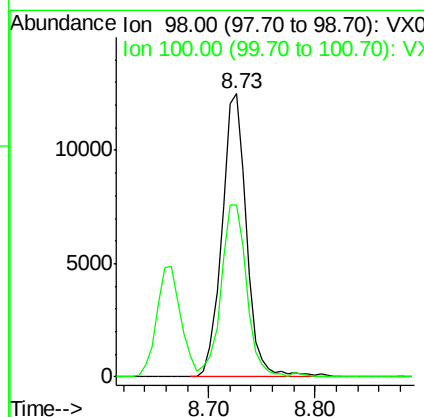
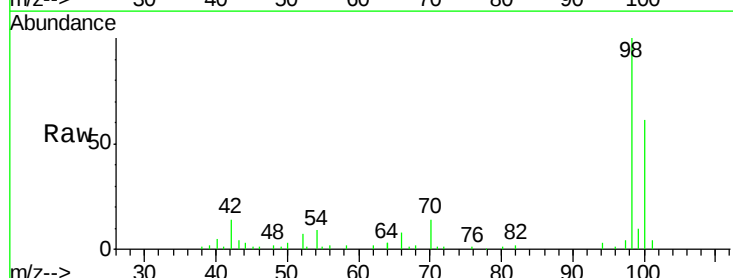
Manual Integrations
APPROVED

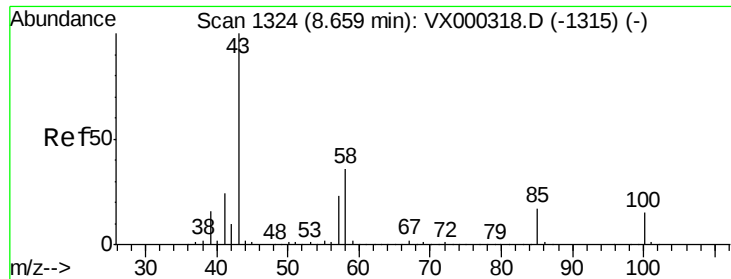
sam
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#50
Toluene-d8
Concen: 4.73 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 23.30 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 53025

Ion Ratio Lower Upper

43 100

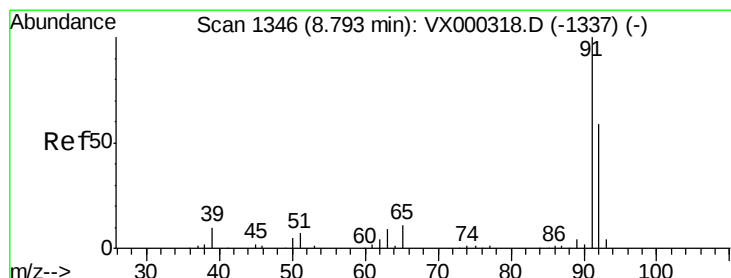
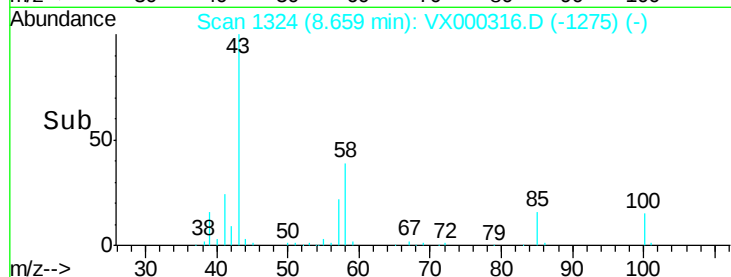
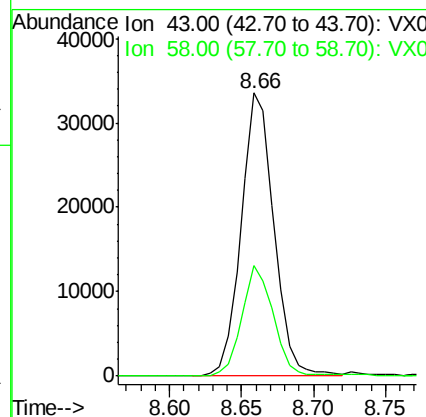
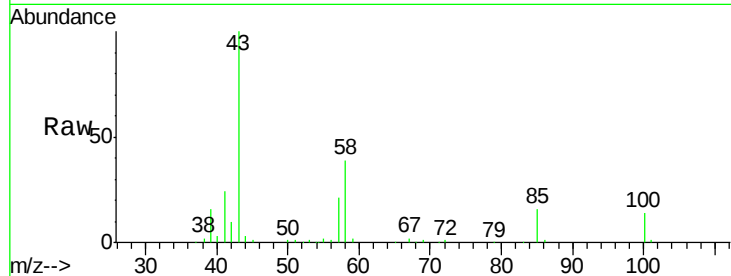
58 37.3 30.3 45.5

Manual Integrations

APPROVED

sam

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#52

Toluene

Concen: 4.92 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000316.D

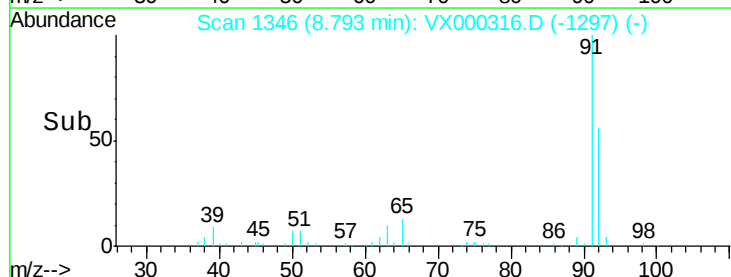
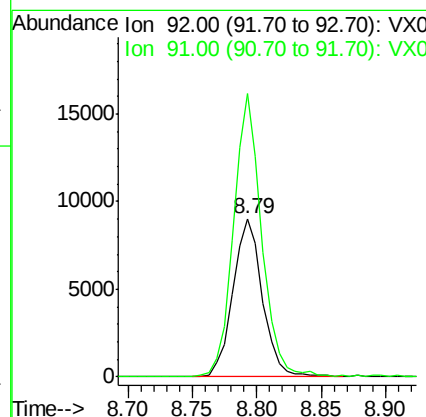
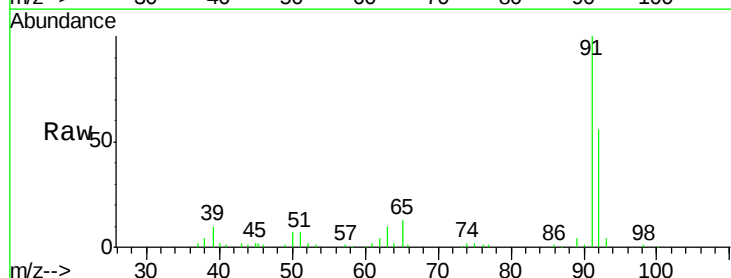
Acq: 14 Mar 2018 16:25

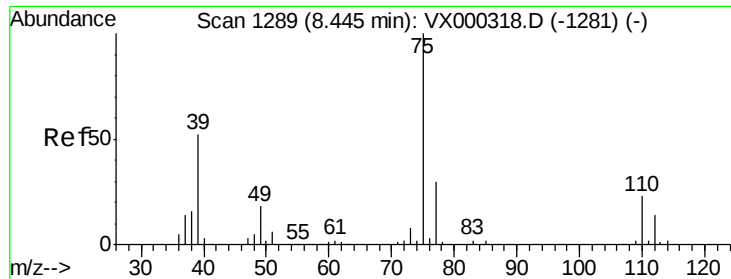
Tgt Ion: 92 Resp: 14478

Ion Ratio Lower Upper

92 100

91 169.1 140.2 210.2





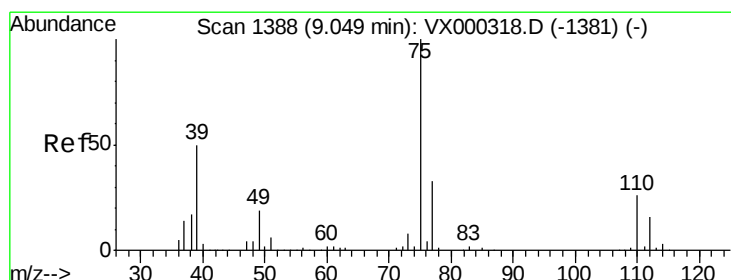
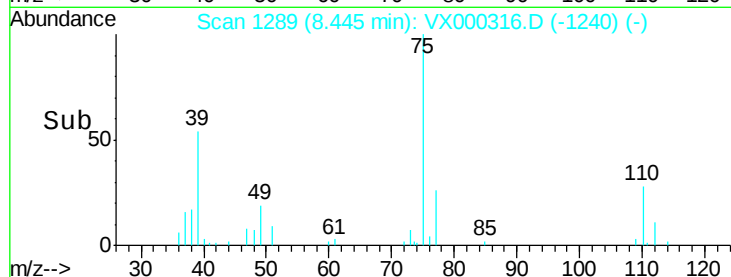
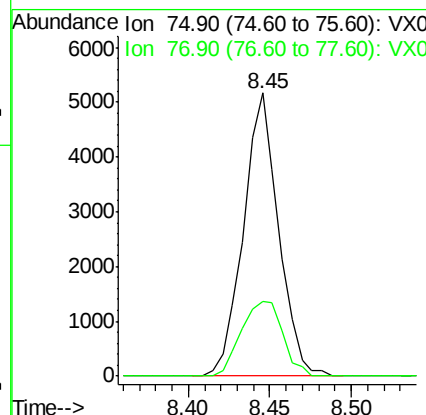
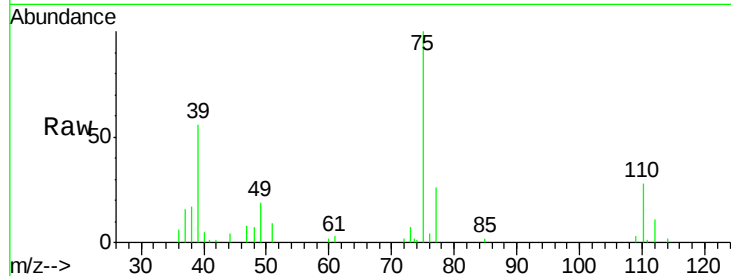
#53
t-1,3-Dichloropropene
Concen: 4.06 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	26.4	24.0	36.0

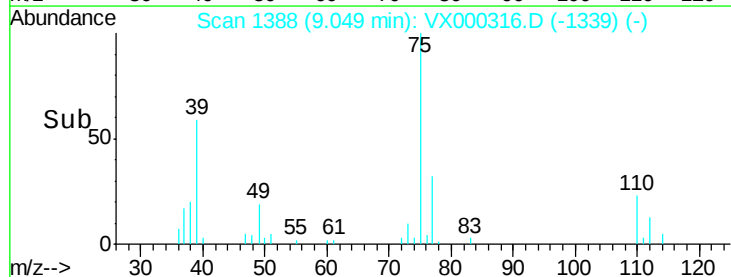
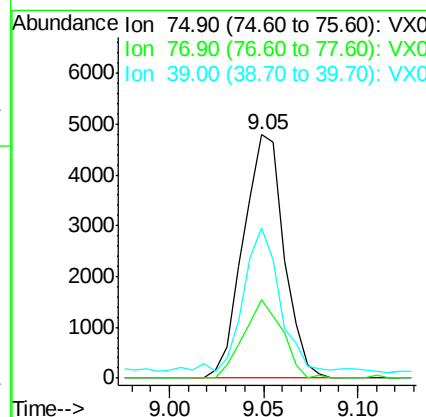
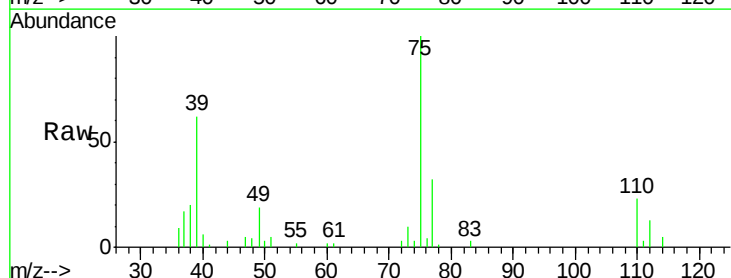
Manual Integrations
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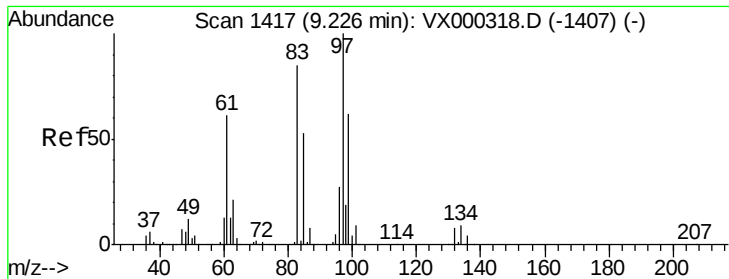
sam
3/15/2018 3:36:55 PM



#54
cis-1,3-Dichloropropene
Concen: 3.85 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.1	39.1
39	58.5	39.8	59.6





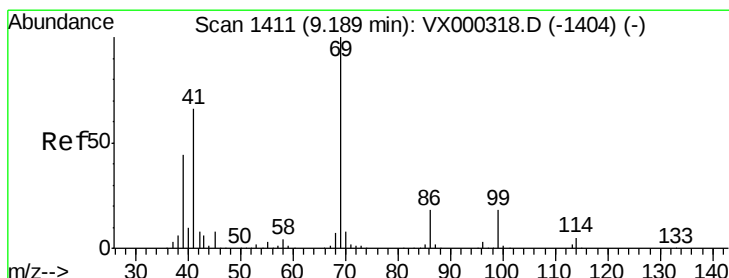
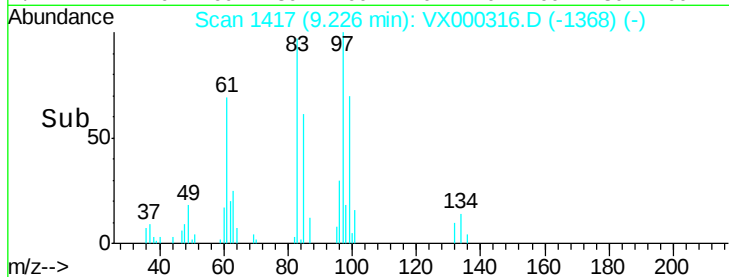
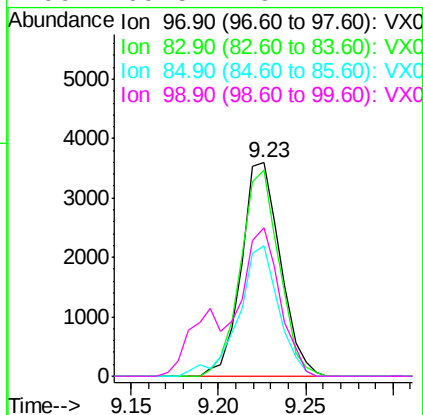
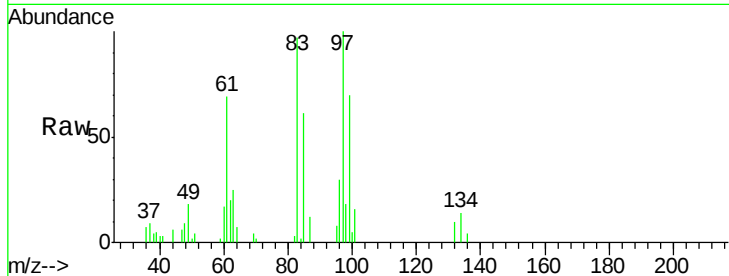
#55
 1,1,2-Trichloroethane
 Concen: 4.56 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	5559
Ion	Ratio	Lower	Upper
97	100		
83	96.6	67.9	101.9
85	61.3	42.8	64.2
99	69.5	49.4	74.2

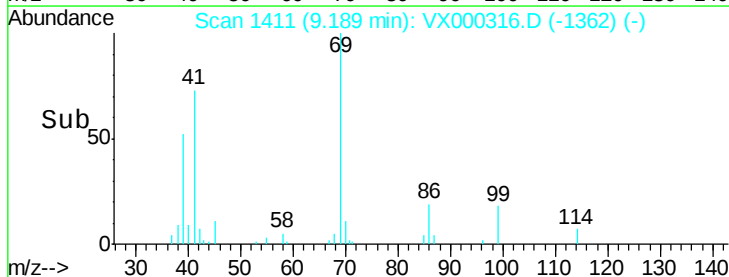
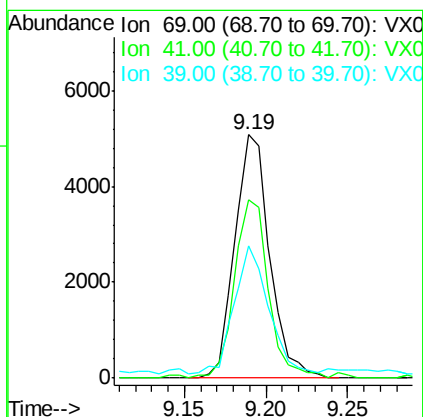
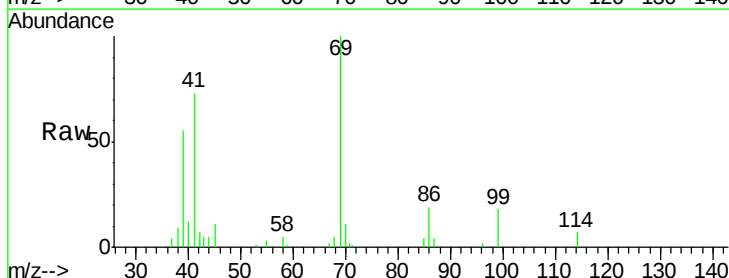
Manual Integrations
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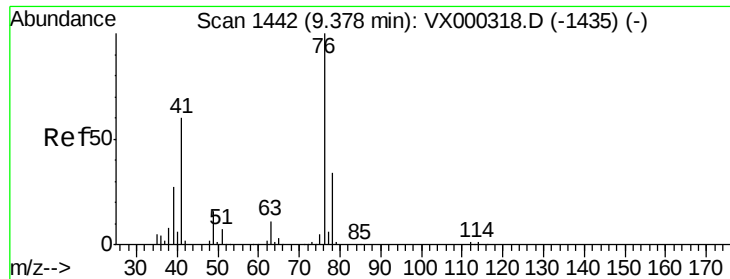
sam
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#56
 Ethyl methacrylate
 Concen: 3.89 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Tgt Ion:	69	Resp:	7571
Ion	Ratio	Lower	Upper
69	100		
41	71.4	53.0	79.6
39	51.8	35.3	52.9





#57

1,3-Dichloropropane

Concen: 5.11 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 9904

Ion Ratio Lower Upper

76 100

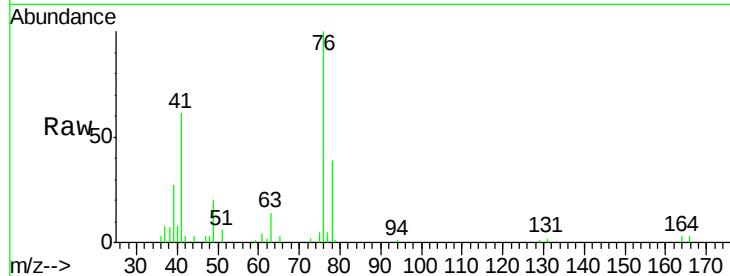
78 33.0 26.4 39.6

Manual Integrations

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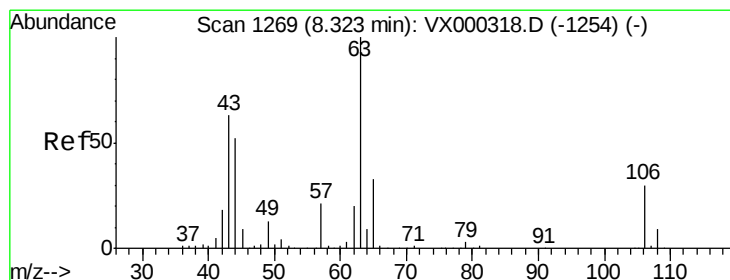
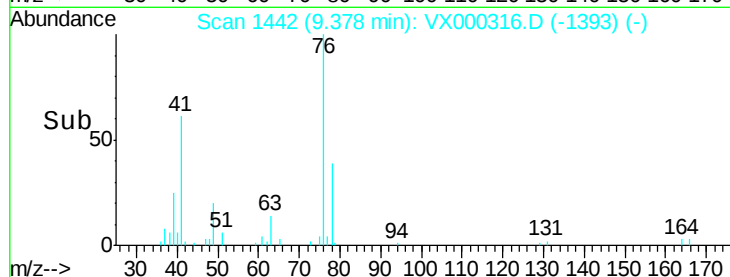
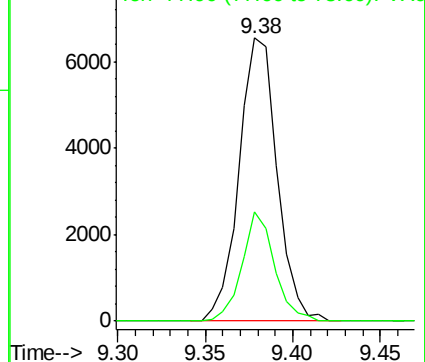
sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 17.06 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000316.D

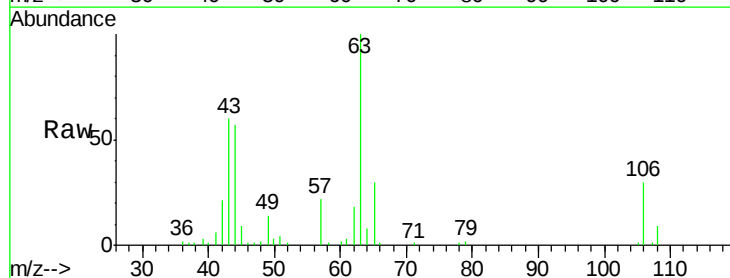
Acq: 14 Mar 2018 16:25

Tgt Ion: 63 Resp: 15483

Ion Ratio Lower Upper

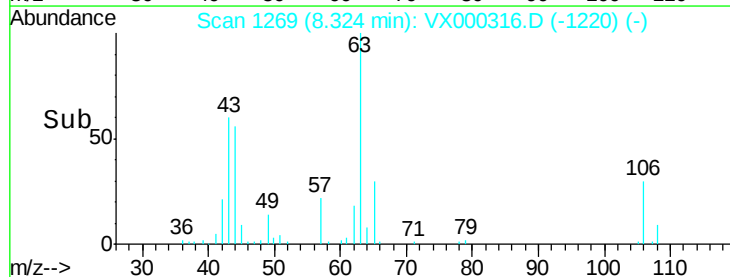
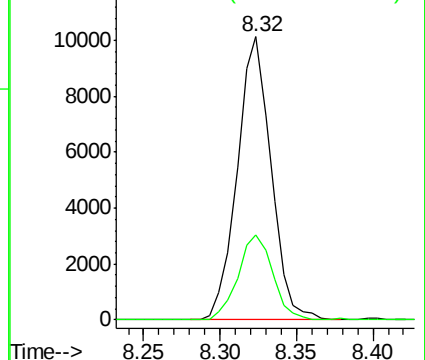
63 100

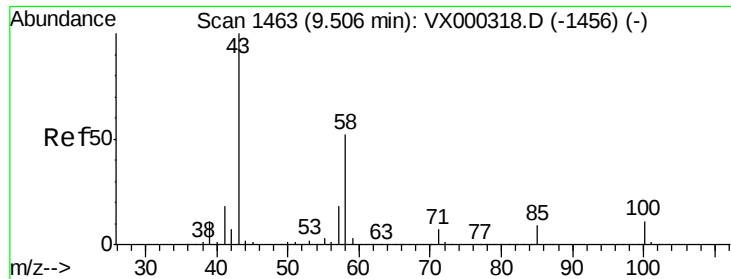
106 30.8 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





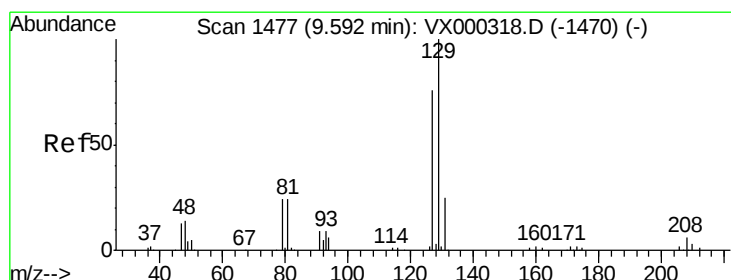
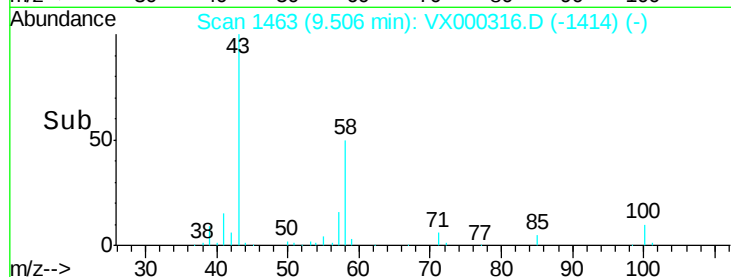
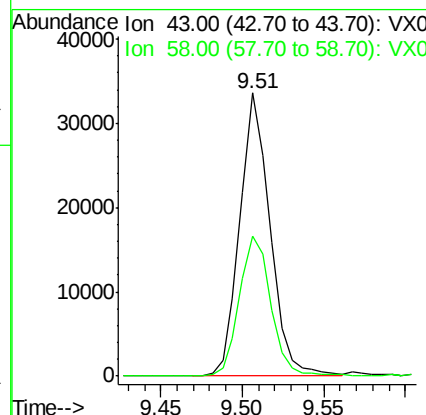
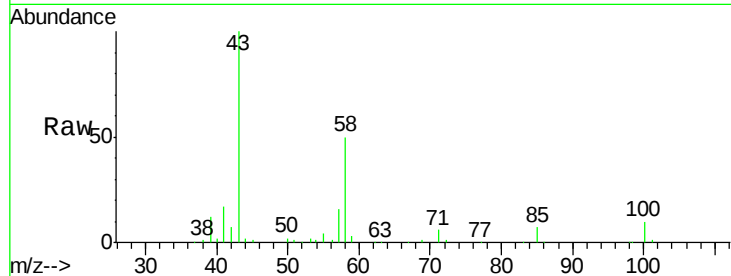
#59
2-Hexanone
Concen: 22.32 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 43650
Ion Ratio Lower Upper
43 100
58 51.7 26.6 79.7

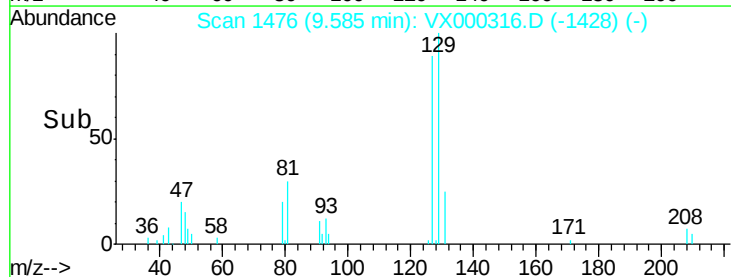
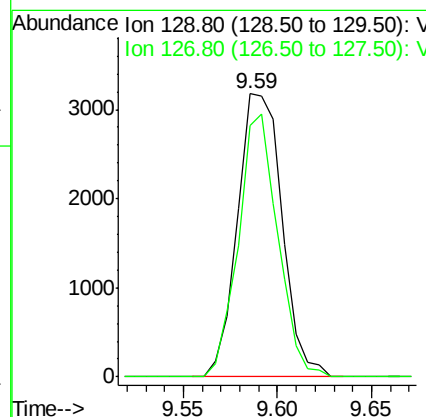
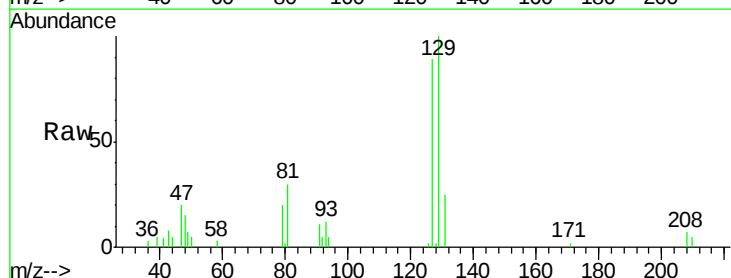
Manual Integrations
APPROVED

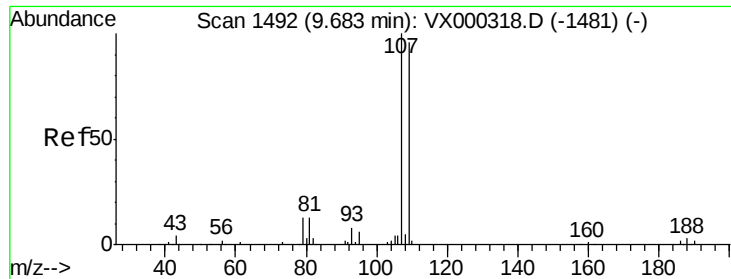
sam
3/15/2018 3:36:55 PM



#60
Dibromochloromethane
Concen: 3.64 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion: 129 Resp: 5207
Ion Ratio Lower Upper
129 100
127 82.1 37.9 113.6





#61

1,2-Dibromoethane

Concen: 4.47 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 6001

Ion Ratio Lower Upper

107 100

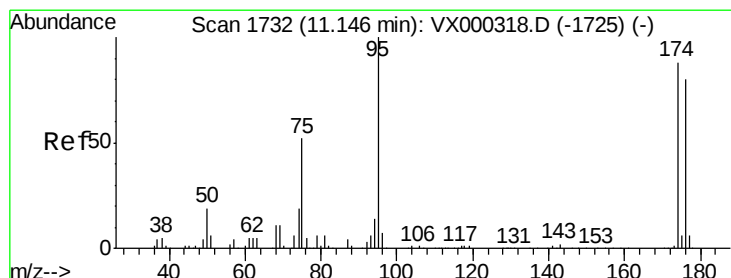
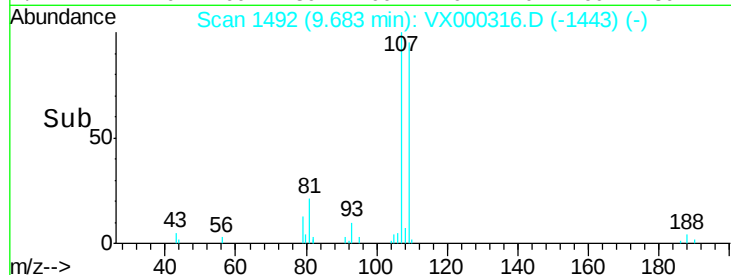
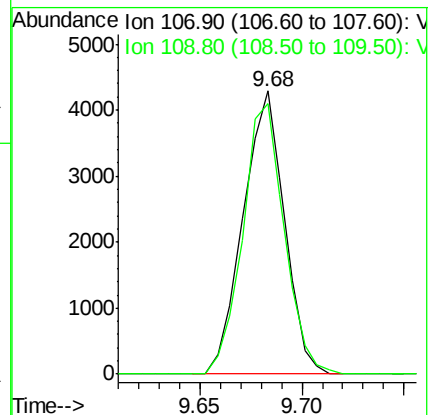
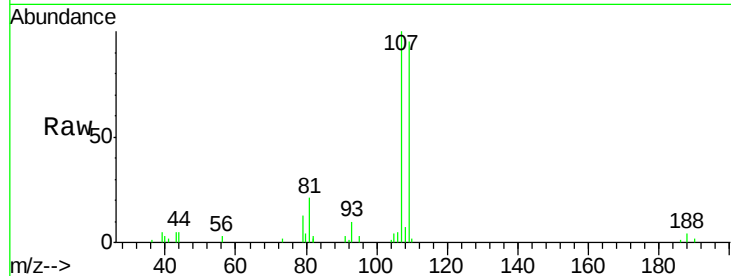
109 96.4 76.1 114.1

Manual Integrations

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sam

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#62

4-Bromofluorobenzene

Concen: 4.17 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

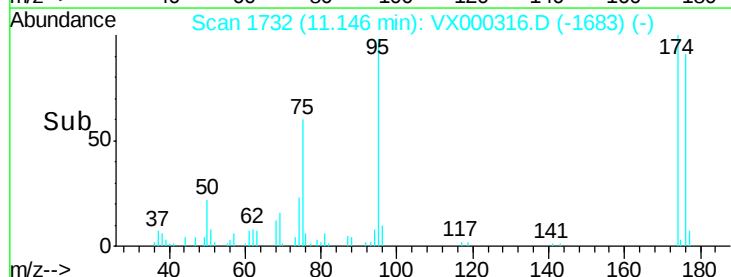
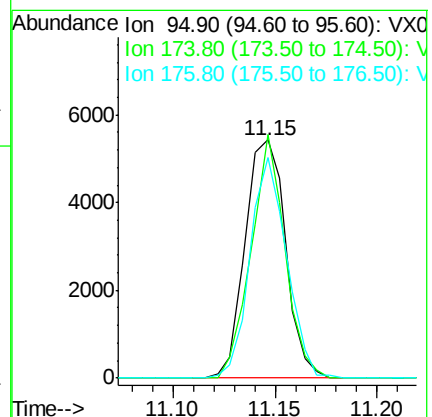
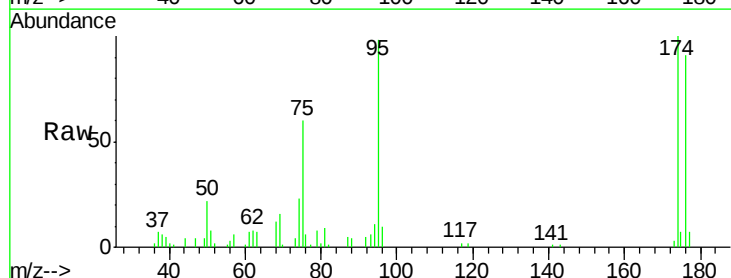
Tgt Ion: 95 Resp: 7478

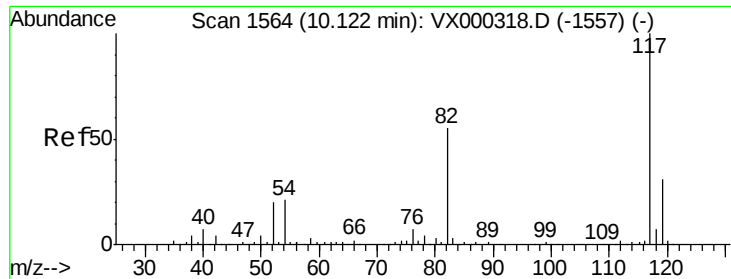
Ion Ratio Lower Upper

95 100

174 85.5 0.0 173.6

176 84.1 0.0 164.6





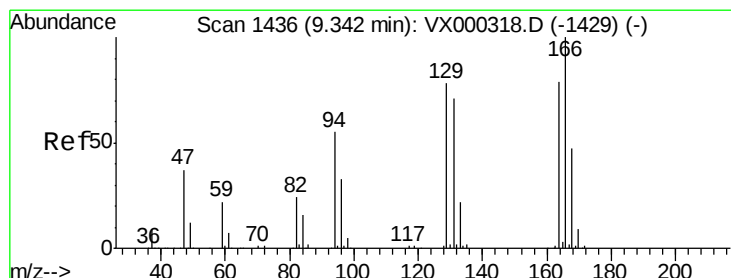
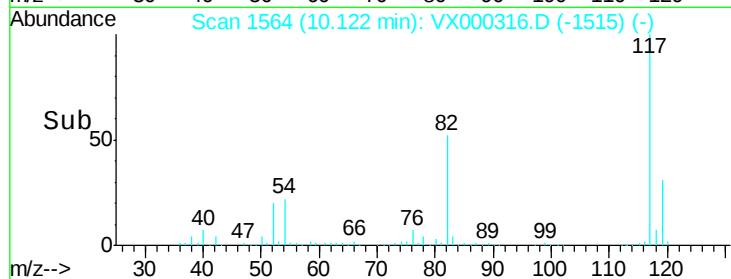
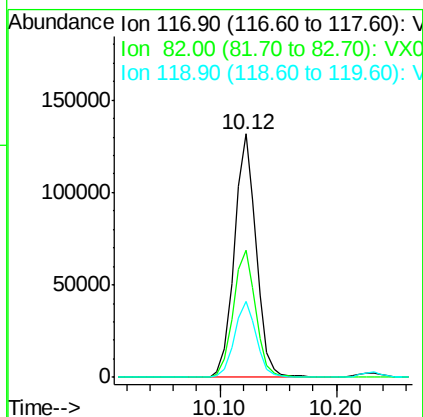
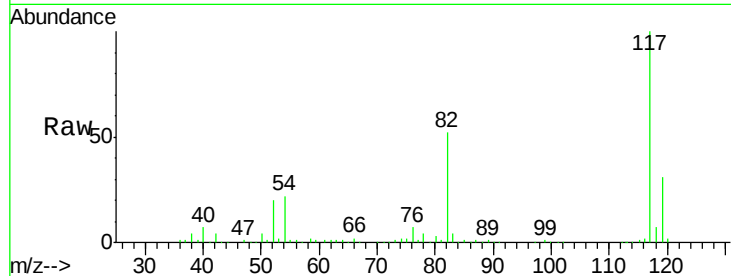
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.8	65.8
119	31.2	24.9	37.3

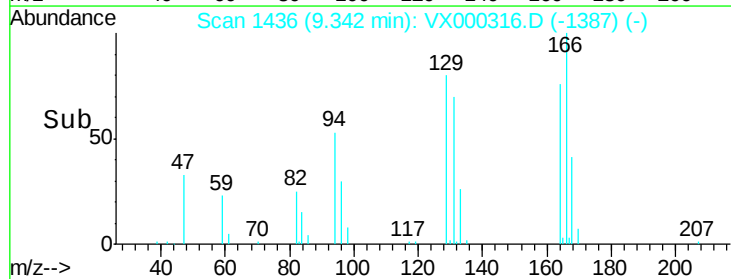
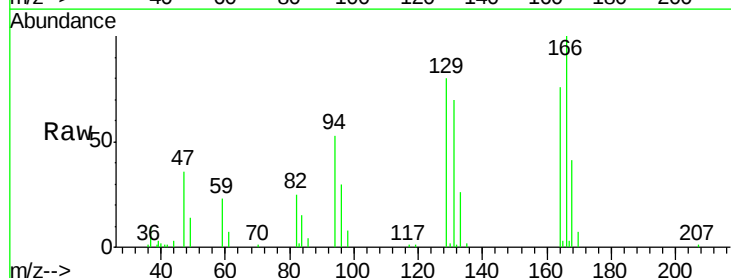
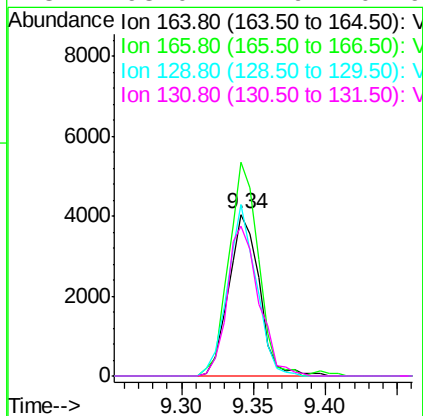
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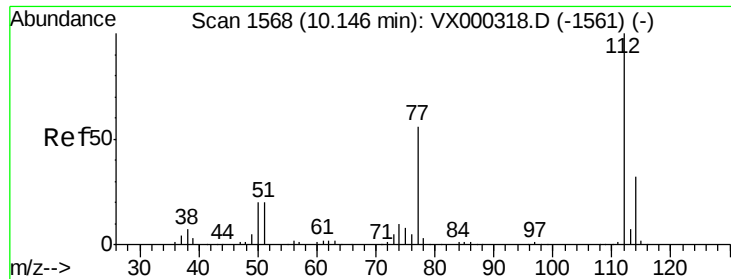
sam
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#64
Tetrachloroethene
Concen: 4.21 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	101.0	151.6
129	106.0	79.0	118.4
131	93.0	71.9	107.9





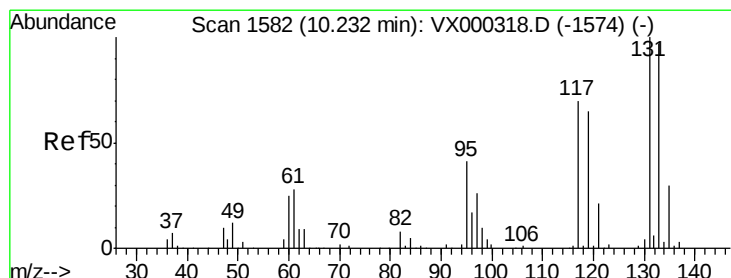
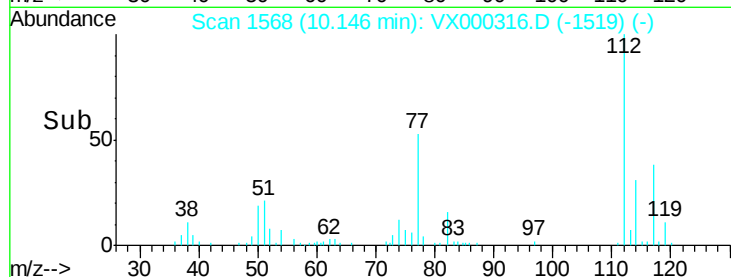
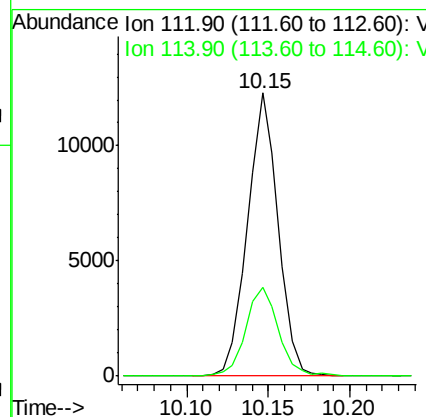
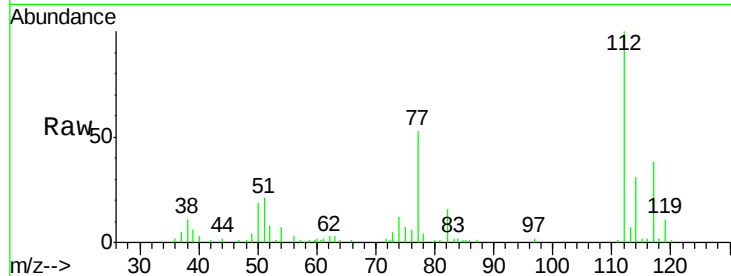
#65
Chlorobenzene
Concen: 4.45 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 16077
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5

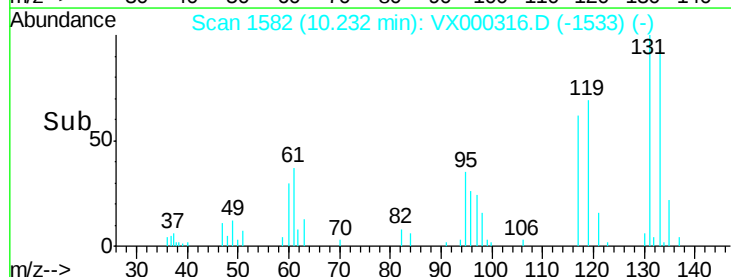
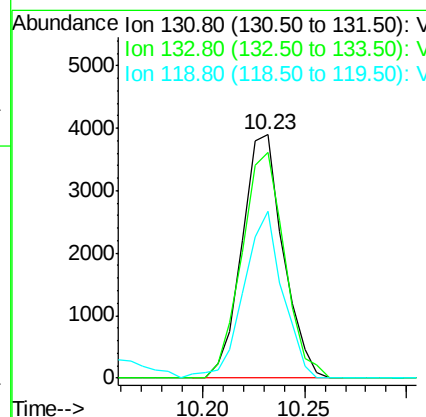
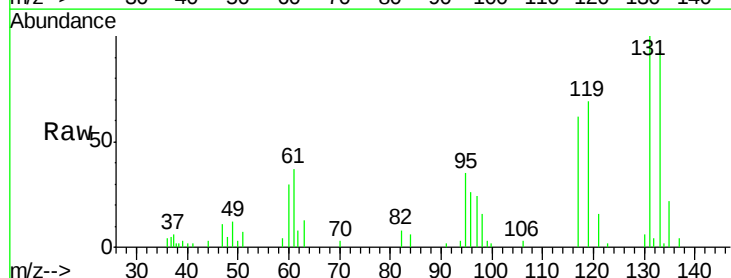
Manual Integrations
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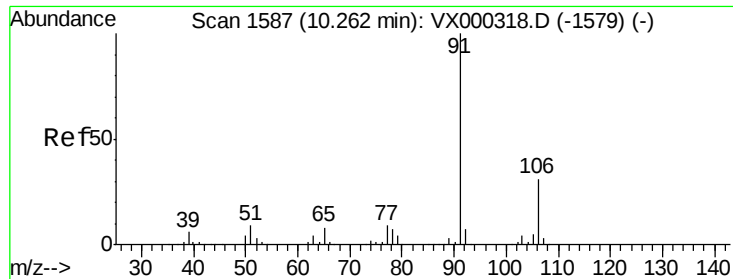
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.12 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion:131 Resp: 5475
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 64.6 33.1 99.2





#67

Ethyl Benzene

Concen: 4.70 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 28183

Ion Ratio Lower Upper

91 100

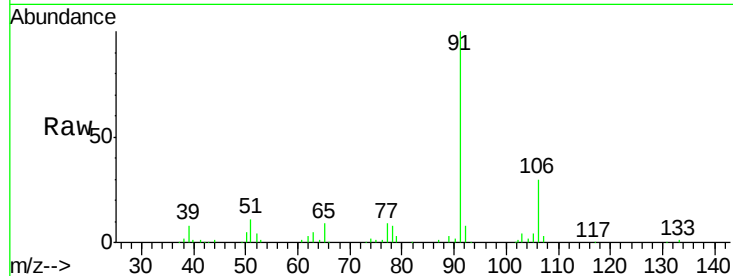
106 30.3 25.0 37.6

Manual Integrations

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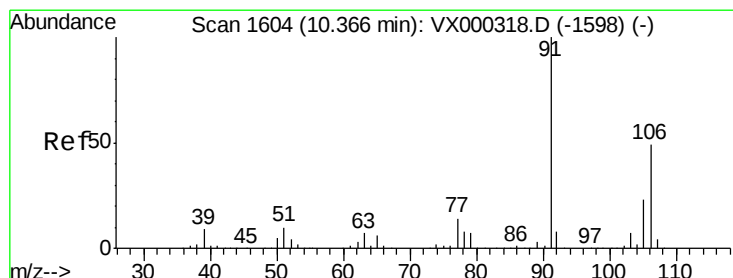
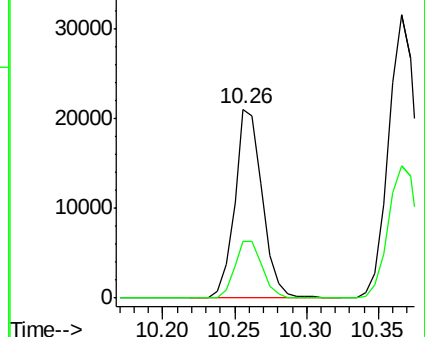
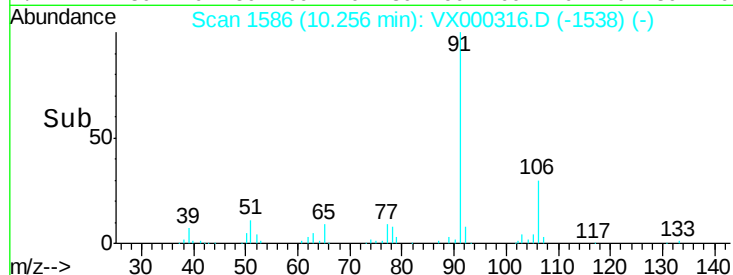
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX000318.D (-1579) (-)

Ion 106.00 (105.70 to 106.70): VX000318.D (-1579) (-)



#68

m/p-Xylenes

Concen: 8.84 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000316.D

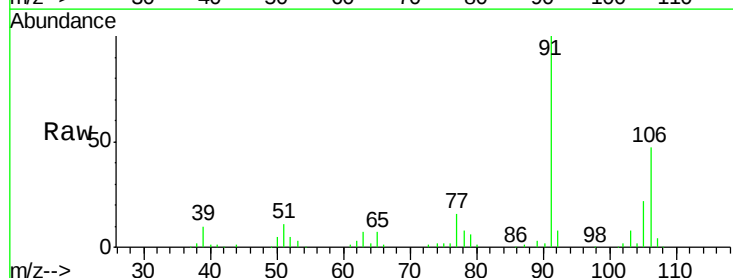
Acq: 14 Mar 2018 16:25

Tgt Ion: 106 Resp: 20947

Ion Ratio Lower Upper

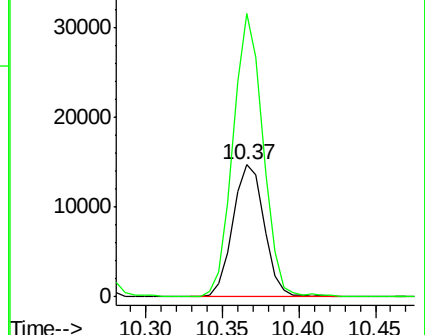
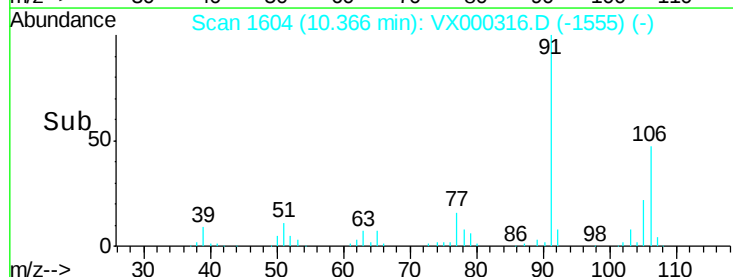
106 100

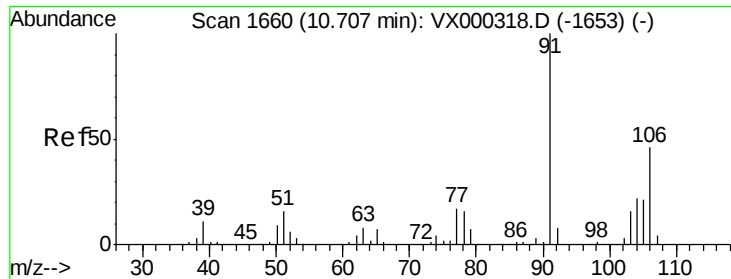
91 205.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX000318.D (-1598) (-)

Ion 91.00 (90.70 to 91.70): VX000318.D (-1598) (-)





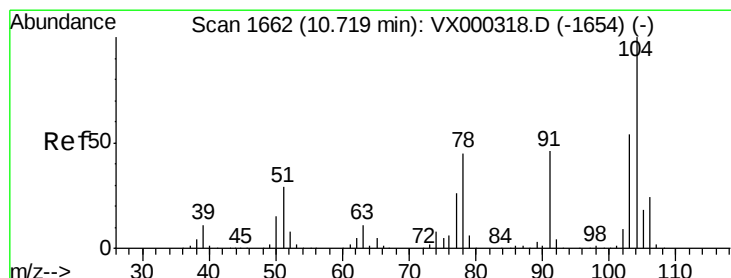
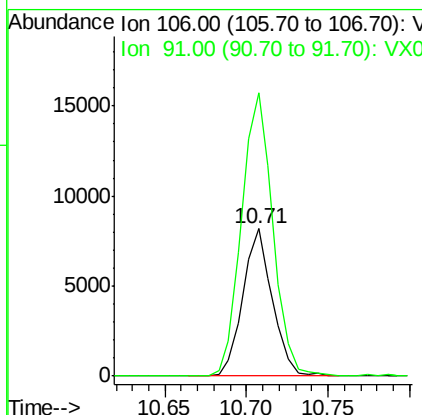
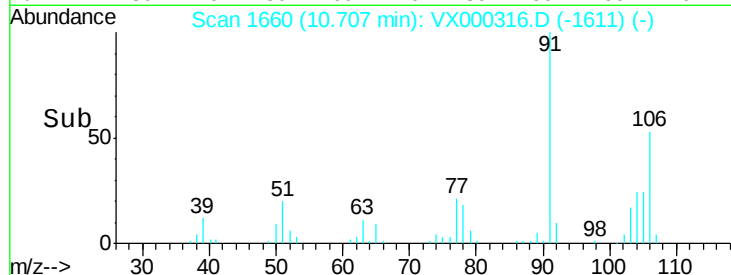
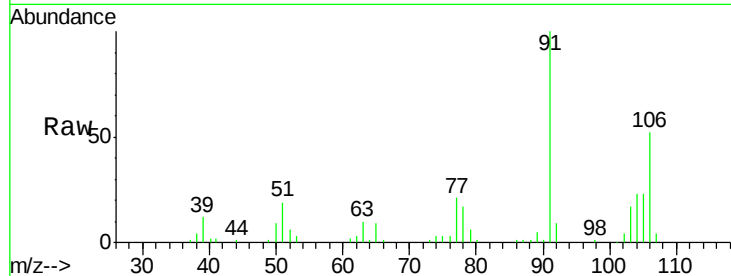
#69
o-Xylene
Concen: 4.52 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 10343
Ion Ratio Lower Upper
106 100
91 203.3 106.5 319.6

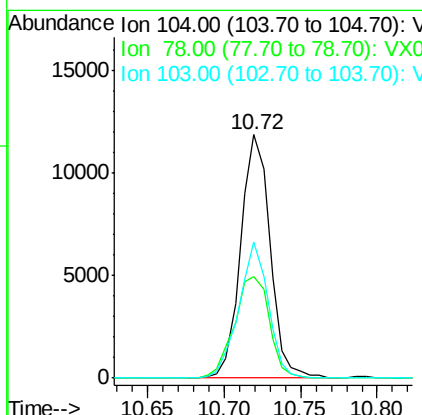
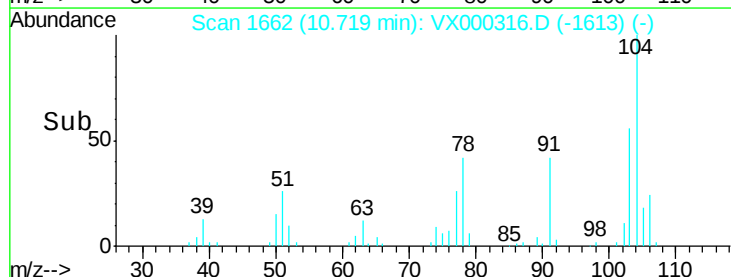
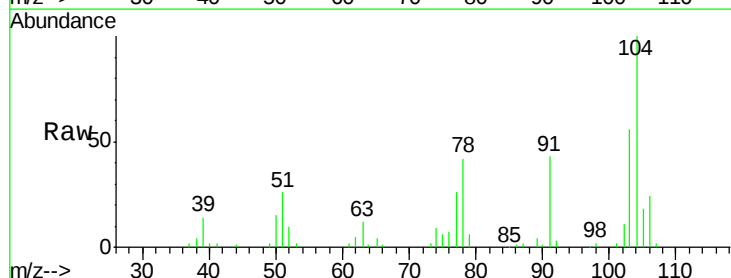
Manual Integrations
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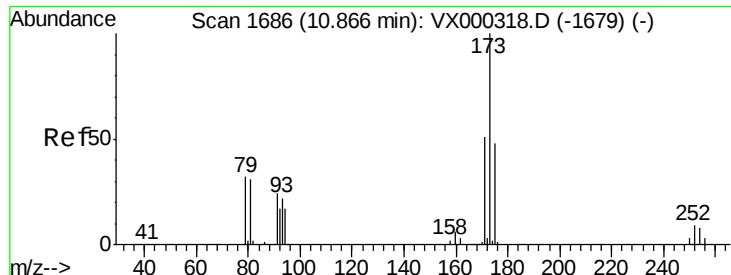
sam
3/15/2018 3:36:55 PM



#70
Styrene
Concen: 4.12 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion:104 Resp: 15835
Ion Ratio Lower Upper
104 100
78 49.7 40.5 60.7
103 55.8 45.7 68.5





#71

Bromoform

Concen: 2.77 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

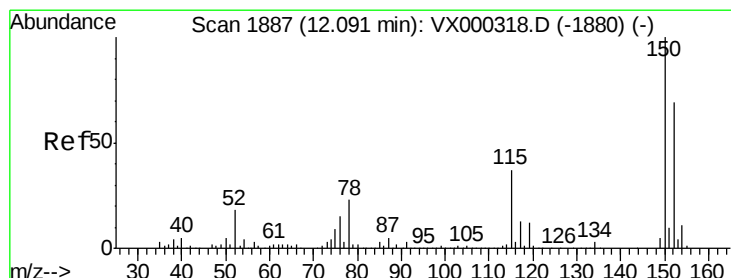
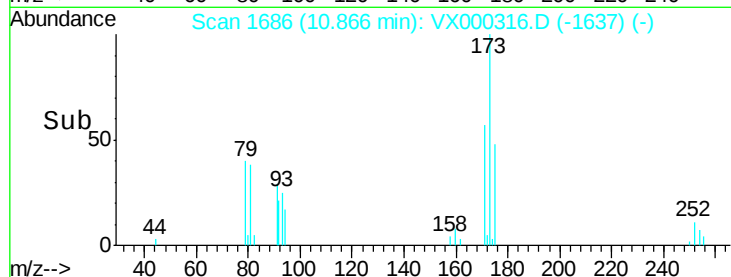
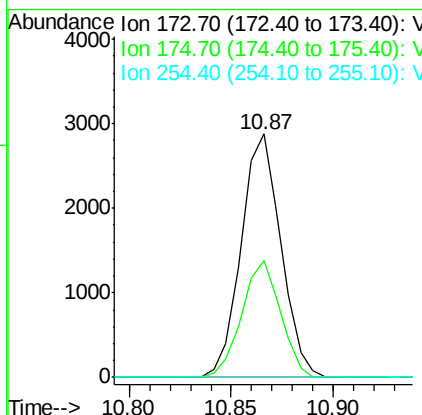
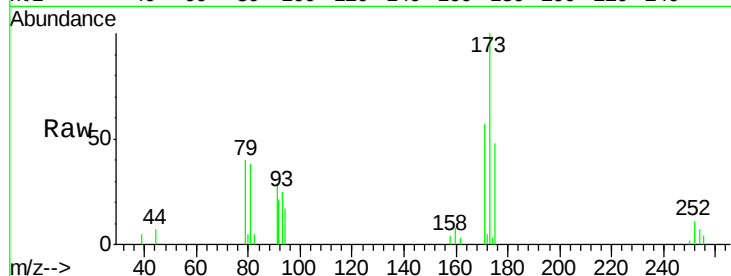
ClientSampleId :

VSTDIC005

Tot Ion:	173	Resp:	3881
Ion Ratio	Lower	Upper	
173	100		
175	46.7	25.4	76.4
254	0.0	0.0	0.0

Manual Integrations
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sam
3/15/2018 3:36:55 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

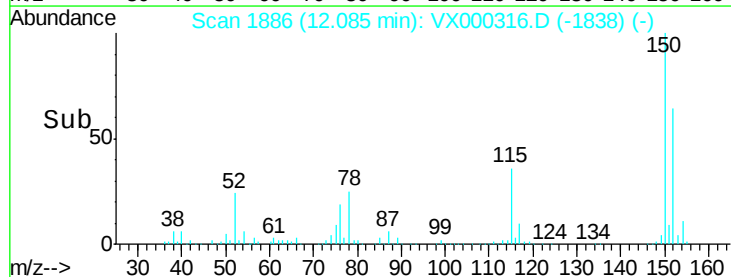
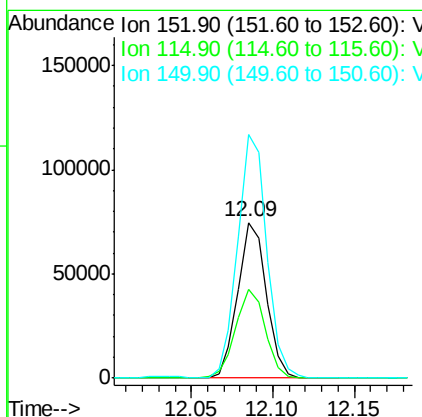
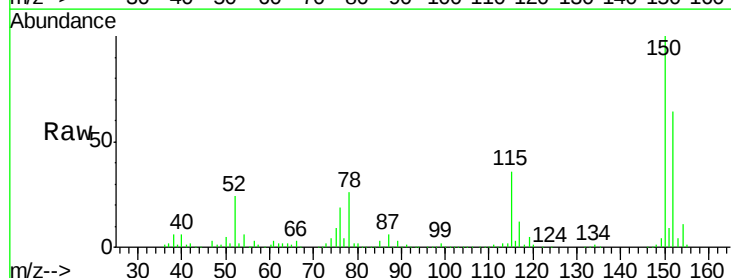
RT: 12.09 min Scan# 1886

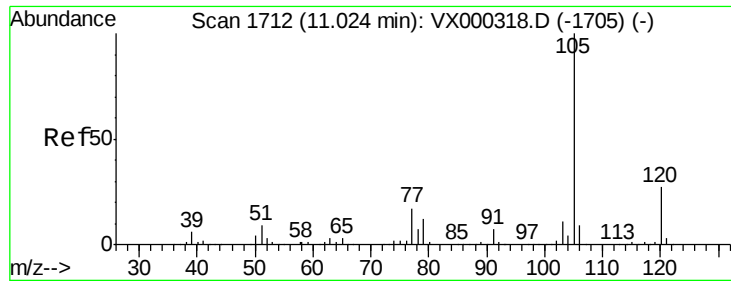
Delta R.T. -0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	152	Resp:	91862
Ion Ratio	Lower	Upper	
152	100		
115	59.2	39.8	119.3
150	158.7	0.0	344.4





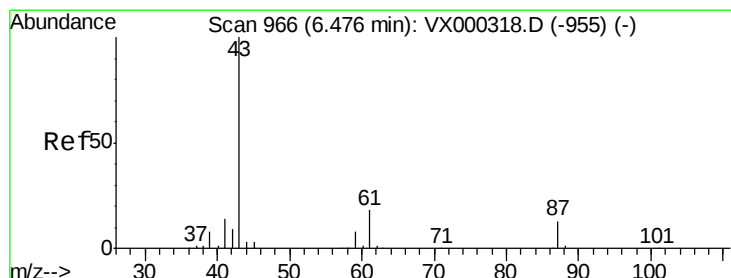
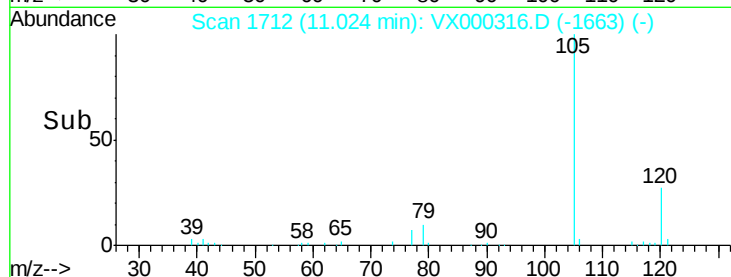
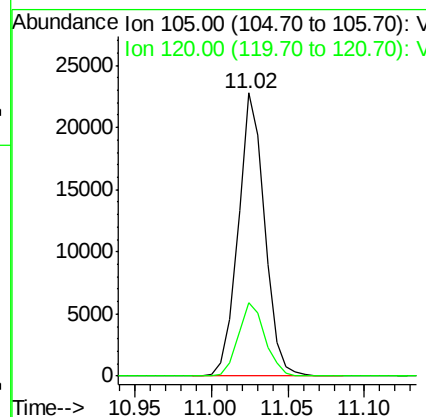
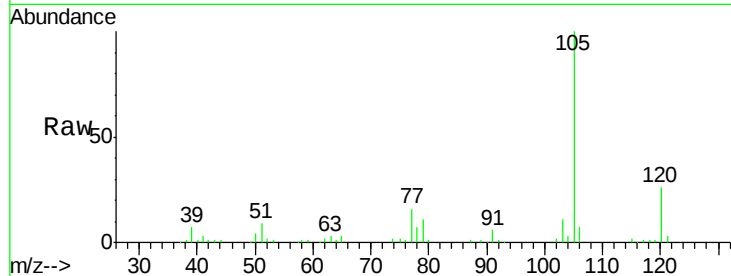
#73
Isopropylbenzene
Concen: 4.92 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 27209
Ion Ratio Lower Upper
105 100
120 26.3 13.6 40.7

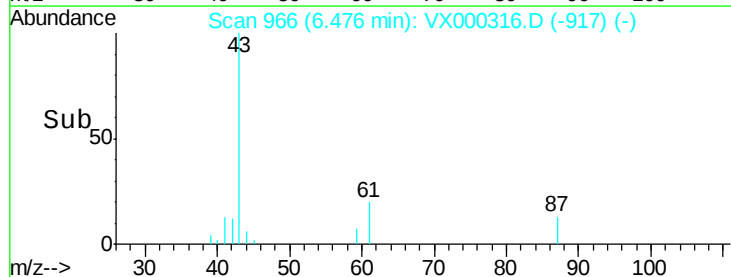
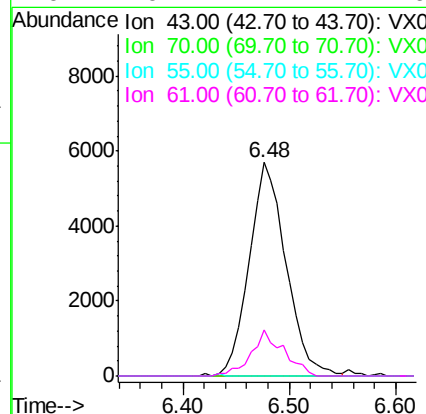
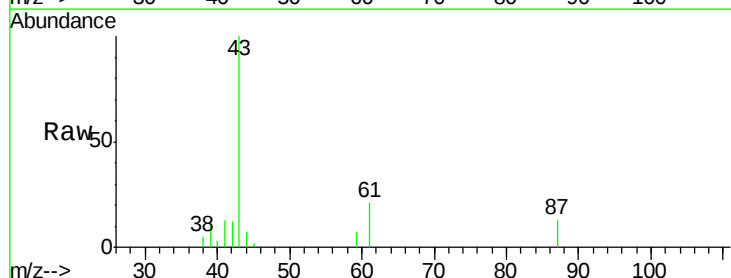
Manual Integrations
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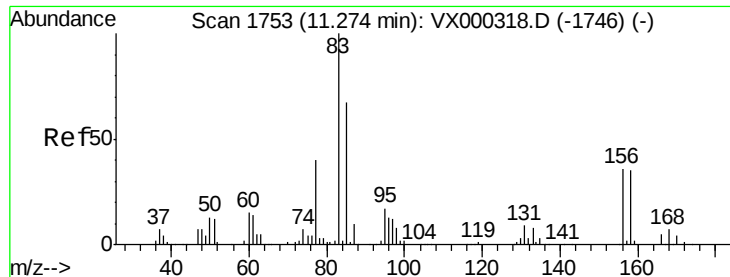
sam
3/15/2018 3:36:55 PM



#74
N-ethyl acetate
Concen: 4.74 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion: 43 Resp: 13833
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 19.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.80 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

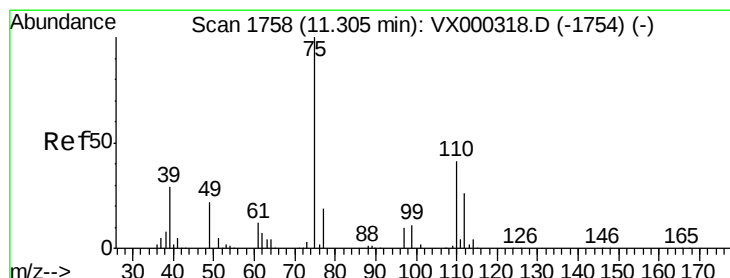
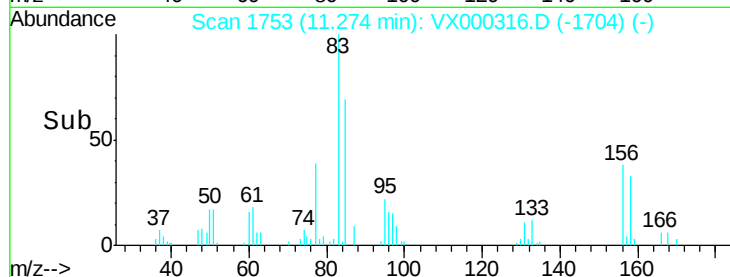
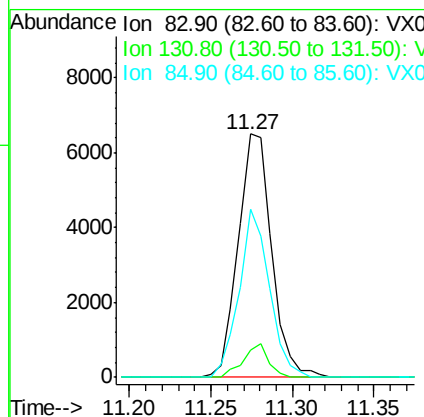
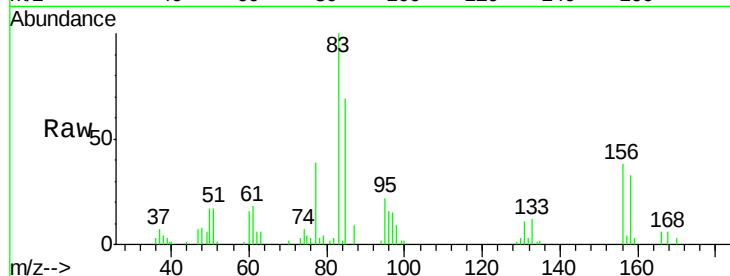
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	9331
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	14.9
85	62.5	32.5	97.5

Manual Integrations
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sam
3/15/2018 3:36:55 PM



#76

1,2,3-Trichloropropane

Concen: 3.76 ug/l m

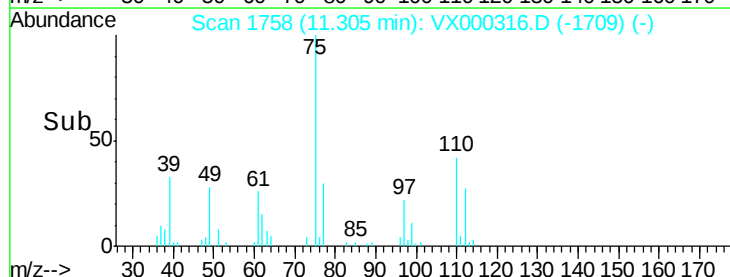
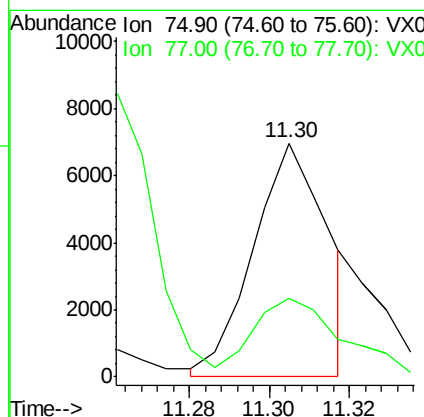
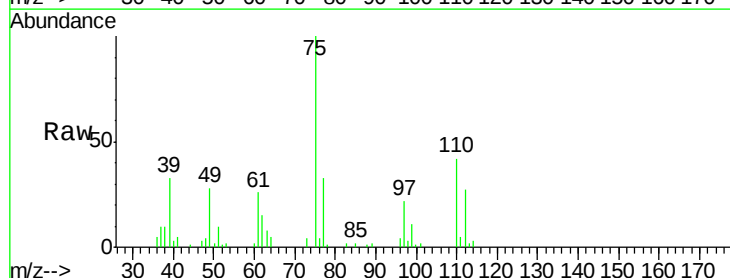
RT: 11.30 min Scan# 1758

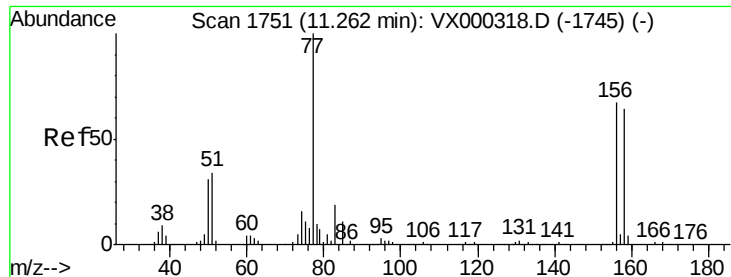
Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	75	Resp:	8875
Ion Ratio	Lower	Upper	
75	100		
77	41.2	21.4	64.2





#77

Bromobenzene

Concen: 4.65 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

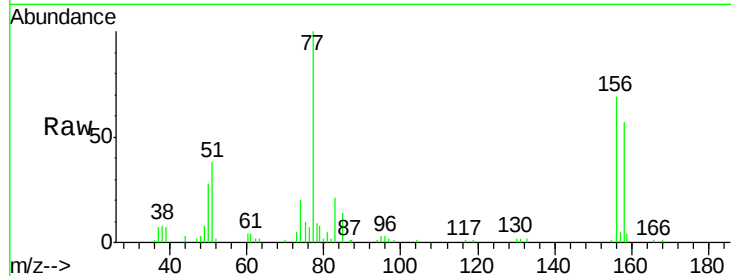
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.5	73.4	220.2
158	90.5	48.5	145.6

Manual Integrations
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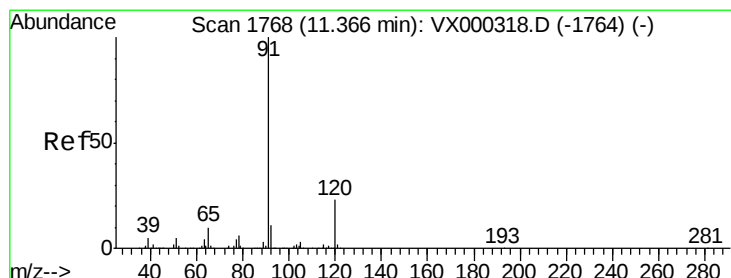
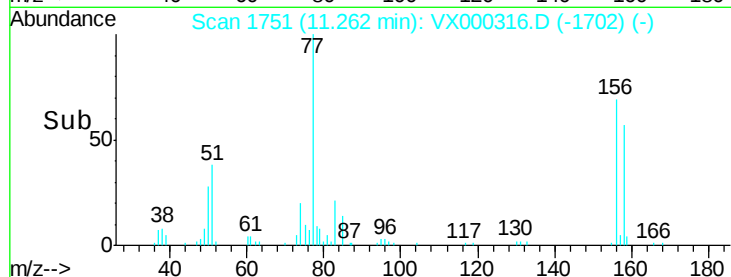
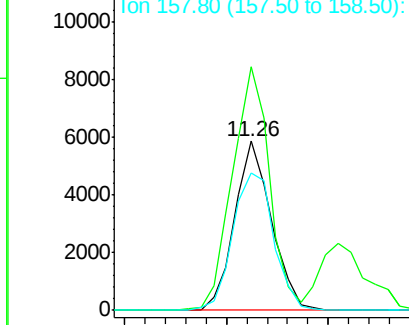
sam
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.06 ug/l

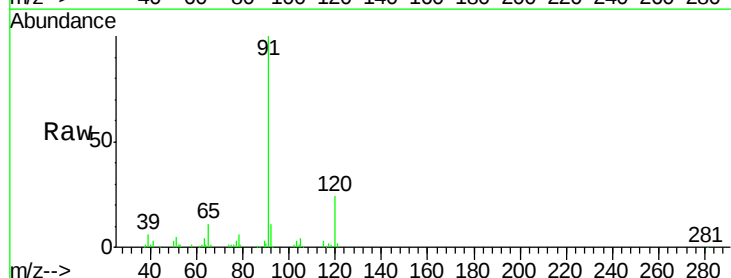
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000316.D

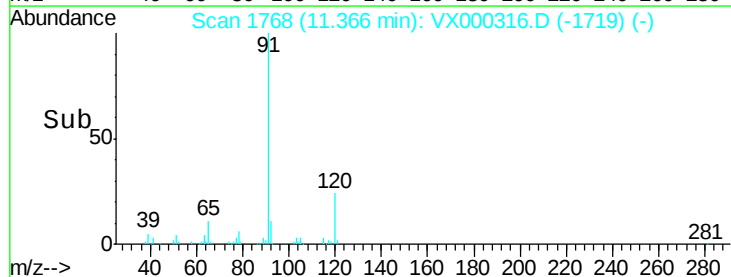
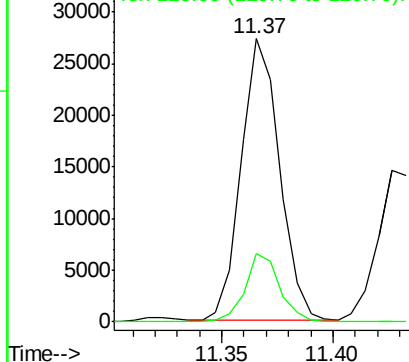
Acq: 14 Mar 2018 16:25

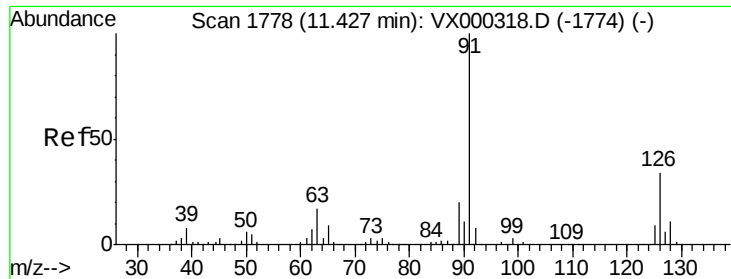
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.98 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 18642

Ion Ratio Lower Upper

91 100

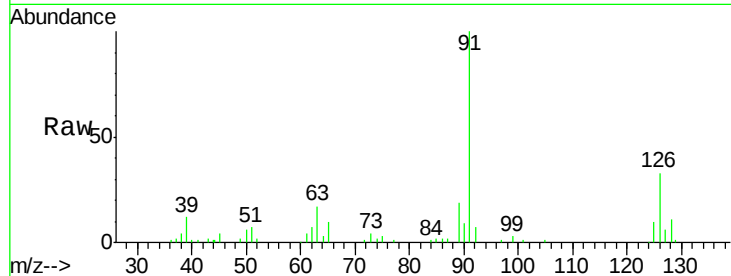
126 37.0 17.7 53.1

Manual Integrations

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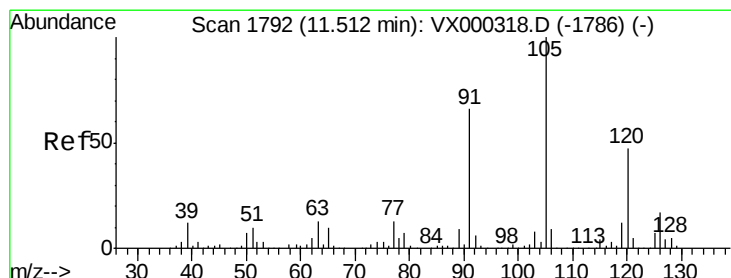
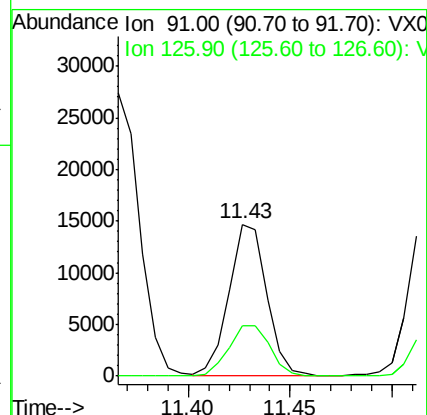
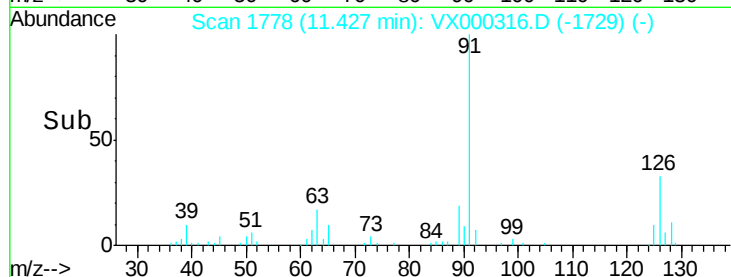
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX000316.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000316.D (-1774) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.84 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000316.D

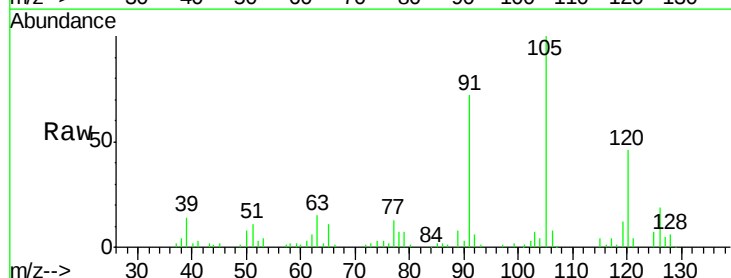
Acq: 14 Mar 2018 16:25

Tgt Ion: 105 Resp: 22864

Ion Ratio Lower Upper

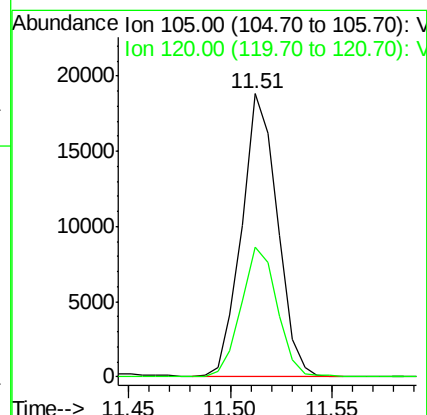
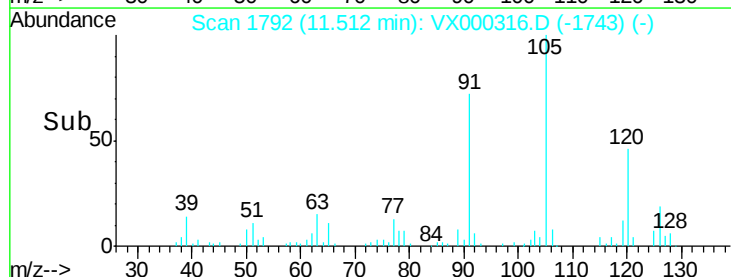
105 100

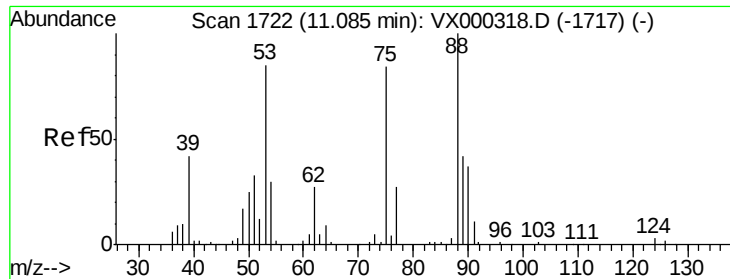
120 46.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000316.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000316.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.32 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

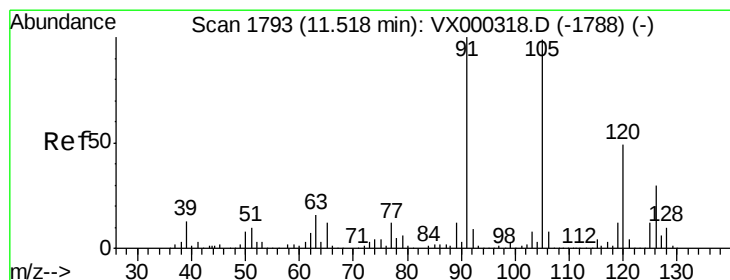
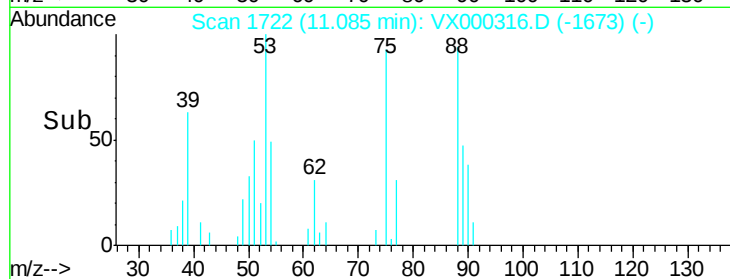
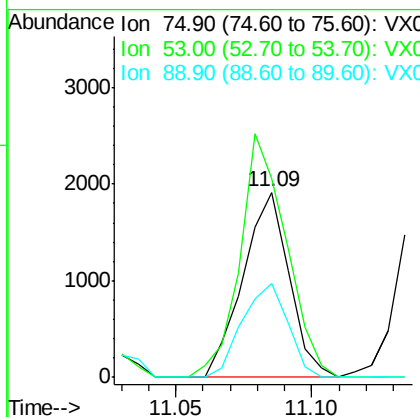
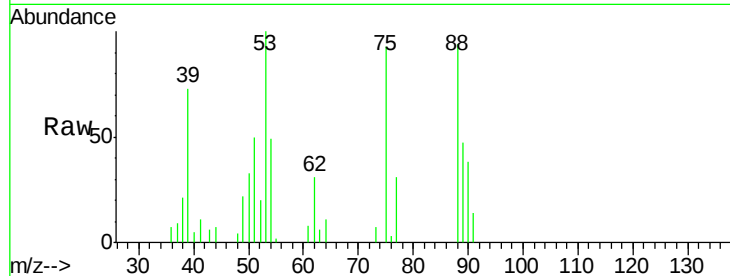
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	130.9	80.7	121.1#
89	49.9	39.4	59.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.11 ug/l

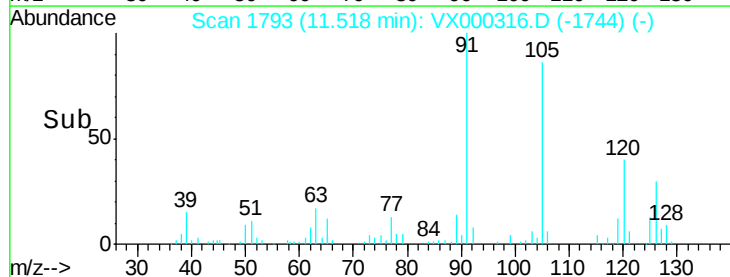
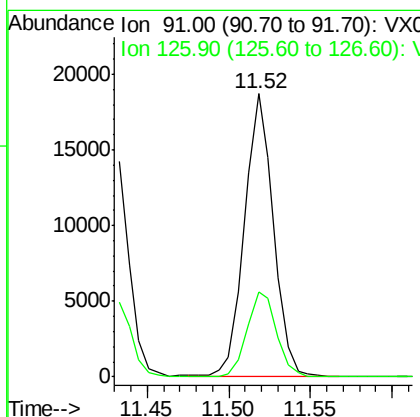
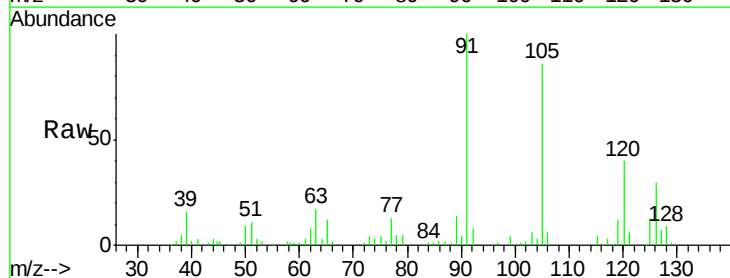
RT: 11.52 min Scan# 1793

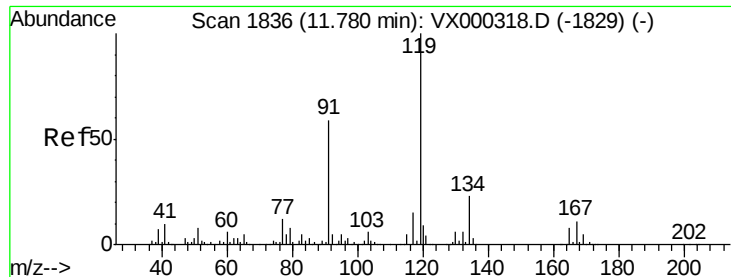
Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.1





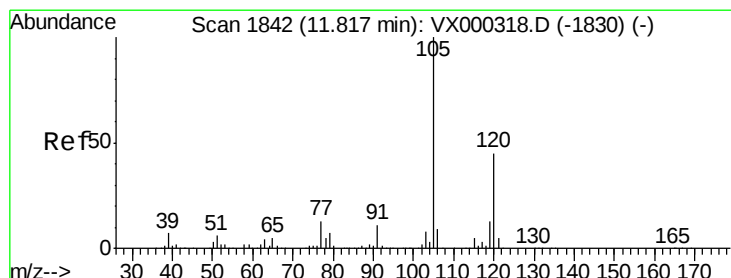
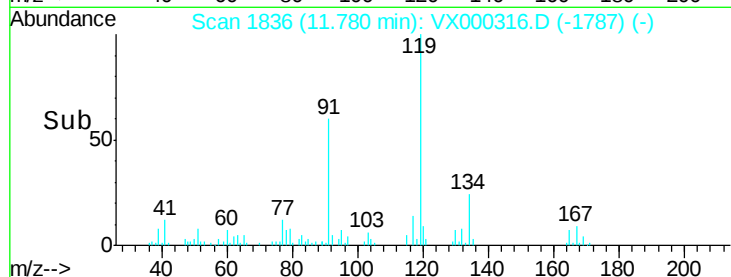
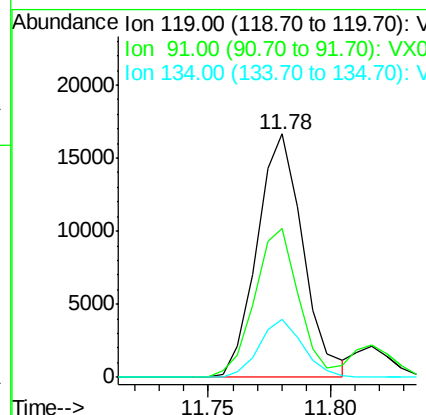
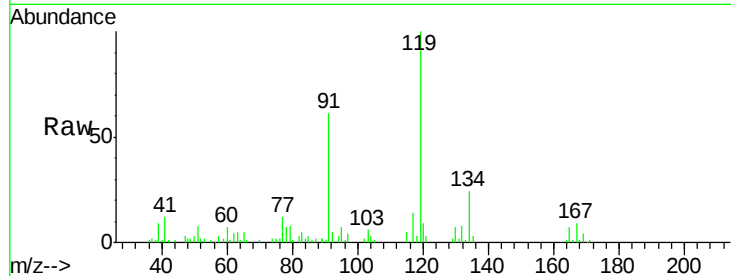
#83
 tert-Butylbenzene
 Concen: 4.50 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	28.8	86.4
134	22.8	11.4	34.1

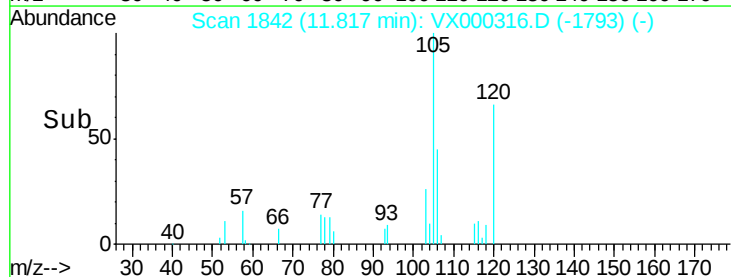
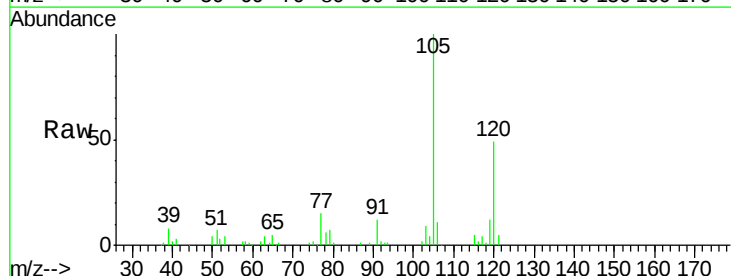
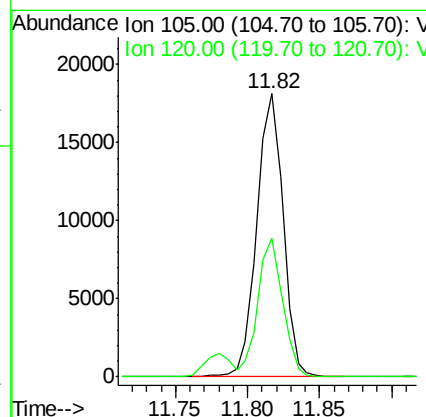
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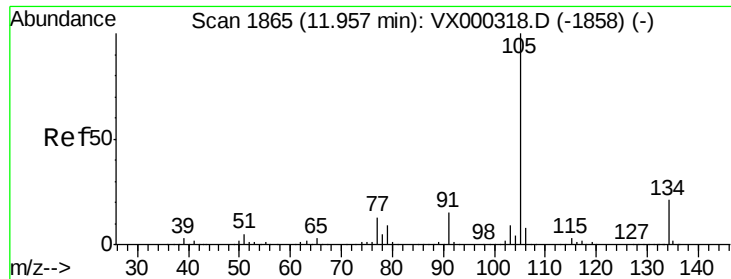
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.64 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 4.89 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 28538

Ion Ratio Lower Upper

105 100

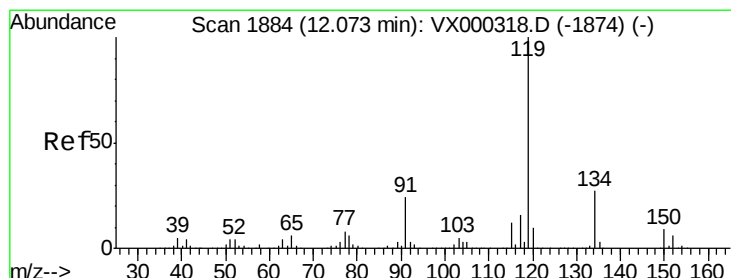
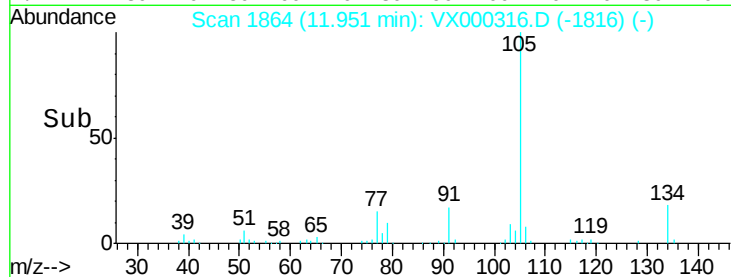
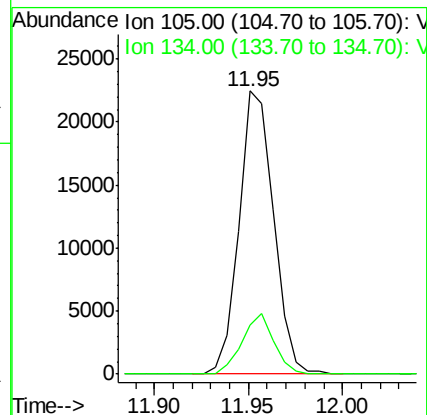
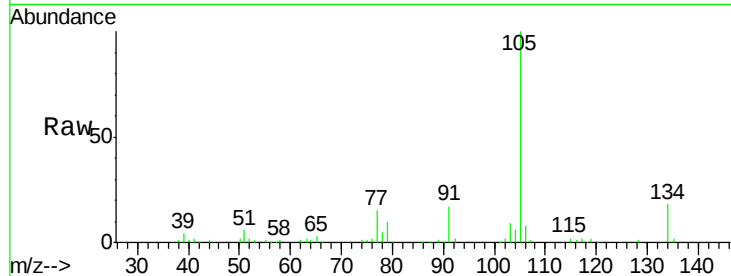
134 19.9 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.44 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

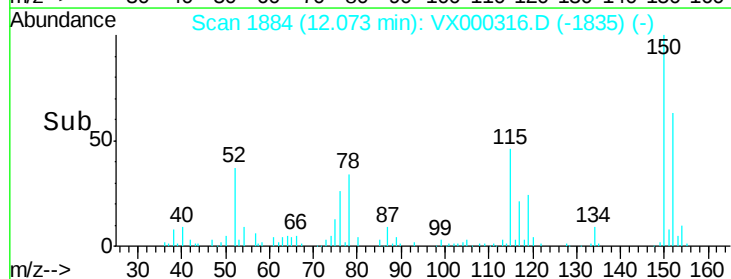
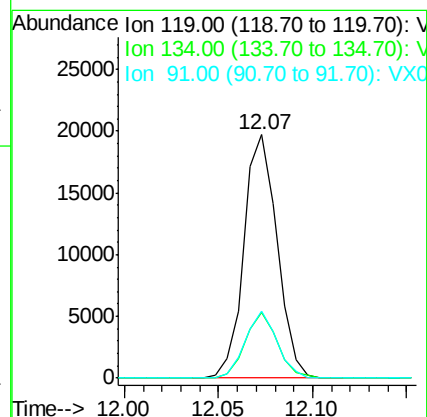
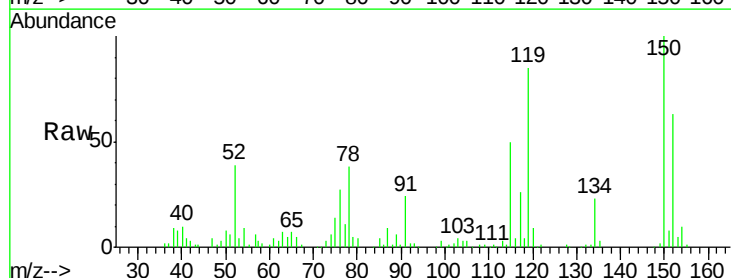
Tgt Ion:119 Resp: 24092

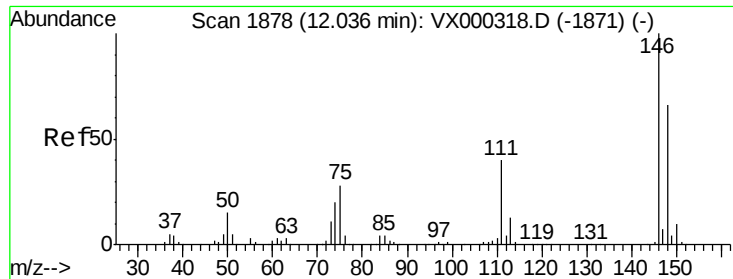
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 26.1 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 4.66 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

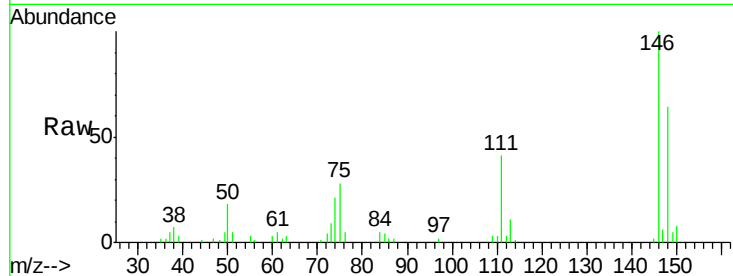
ClientSampled :

VSTDIC005

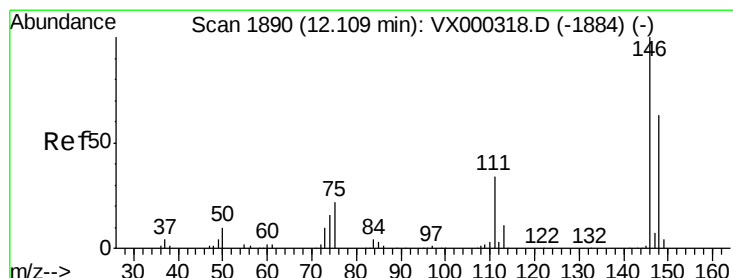
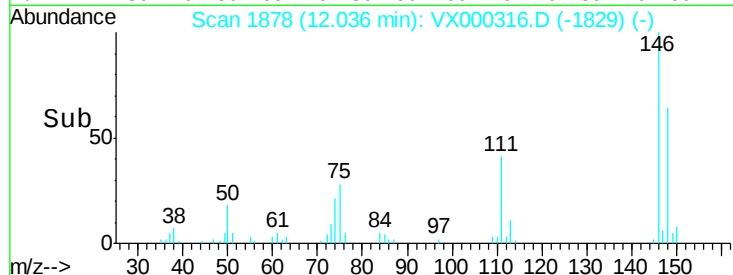
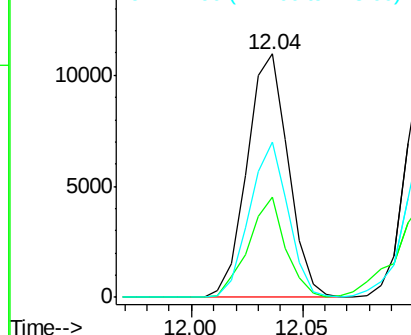
Tot Ion:	146	Resp:	14115
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.5	58.5
148	60.0	32.4	97.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.63 ug/l

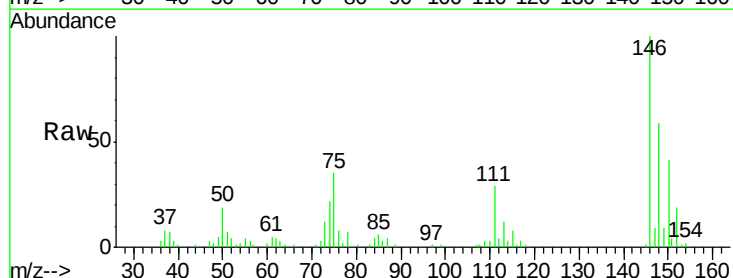
RT: 12.11 min Scan# 1890

Delta R.T. 0.00 min

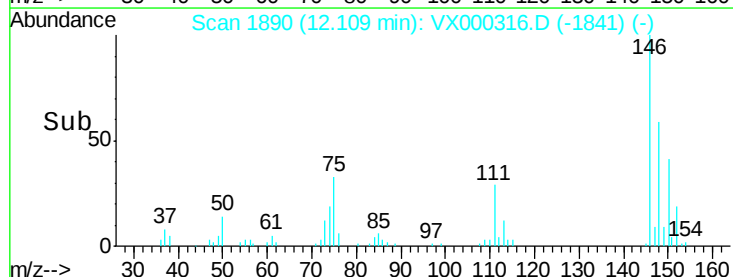
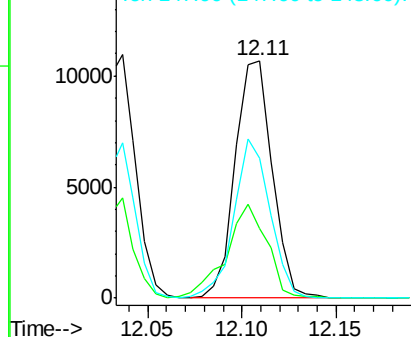
Lab File: VX000316.D

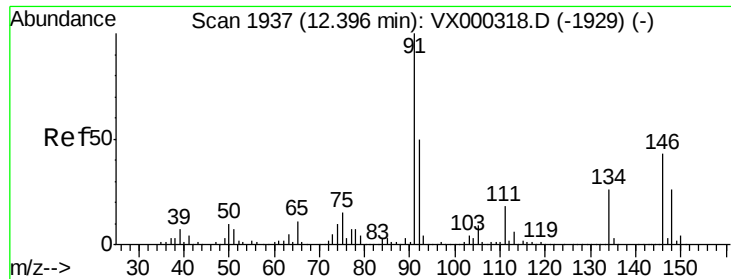
Acq: 14 Mar 2018 16:25

Tgt Ion:	146	Resp:	14606
Ion Ratio	Lower	Upper	
146	100		
111	43.6	18.9	56.9
148	65.3	31.0	93.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





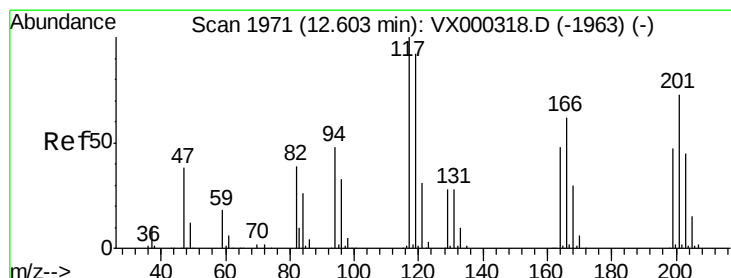
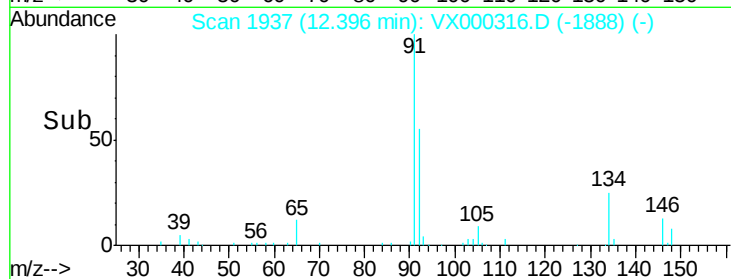
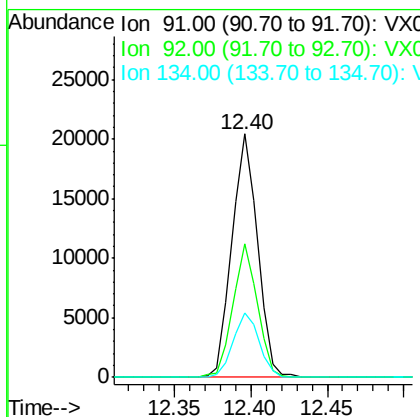
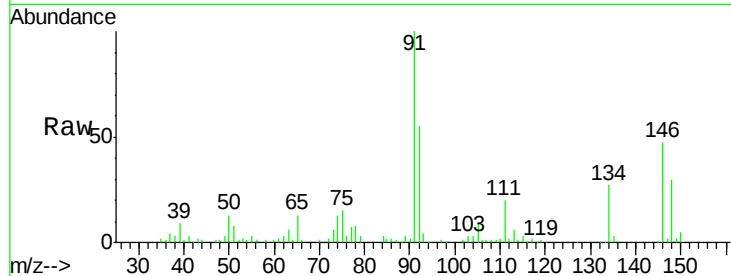
#89
n-Butylbenzene
Concen: 4.72 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.8
134	26.8	13.1	39.3

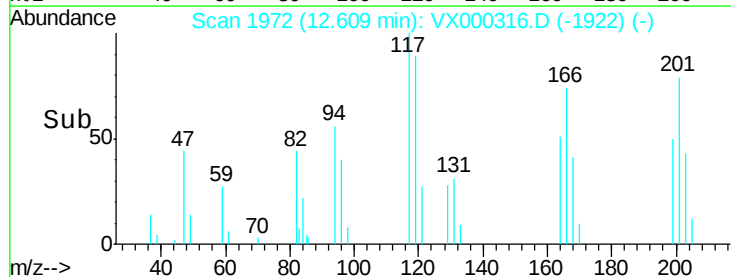
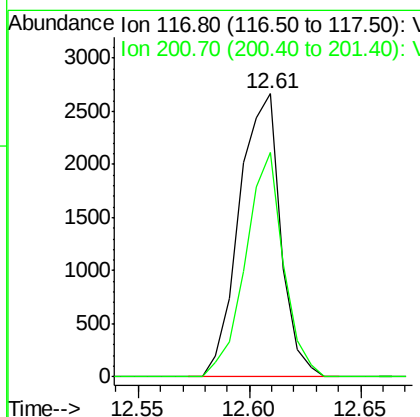
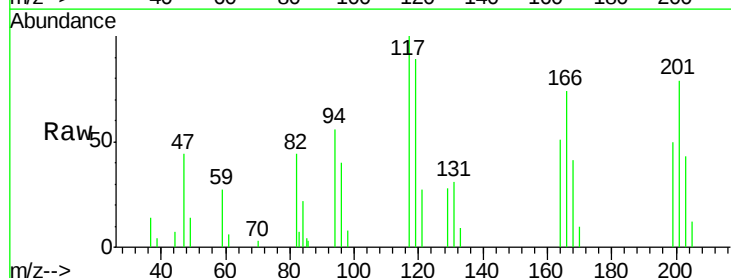
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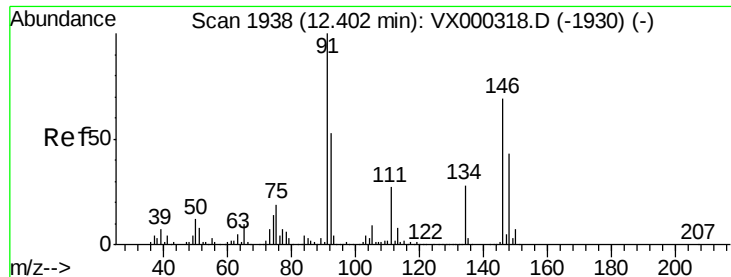
sam
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#90
Hexachloroethane
Concen: 3.96 ug/l
RT: 12.61 min Scan# 1972
Delta R.T. 0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.0	37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 4.49 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Instrument :

MSVOA_X

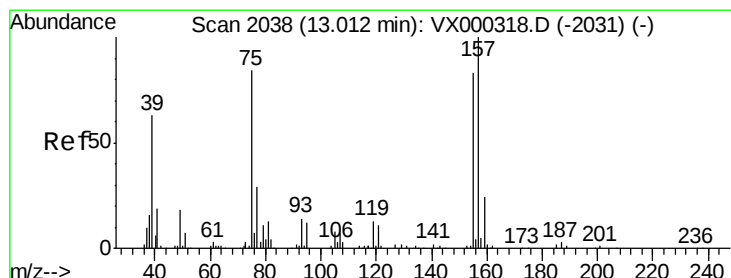
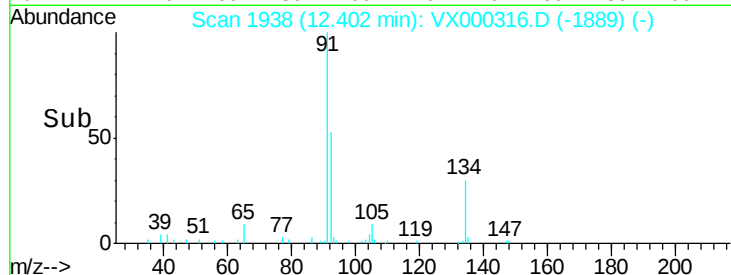
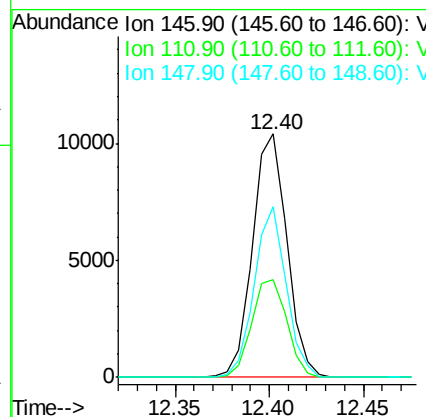
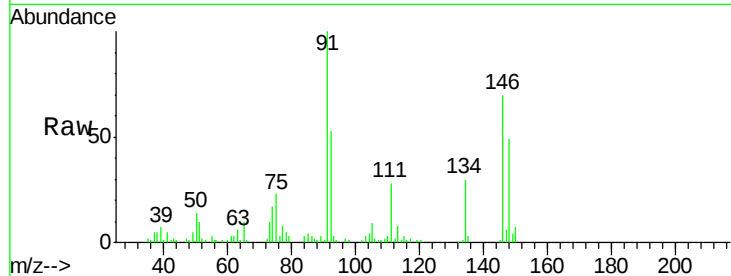
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.1	60.2
148	64.6	31.2	93.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.06 ug/l

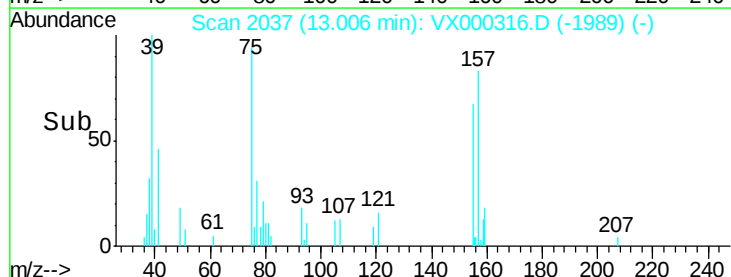
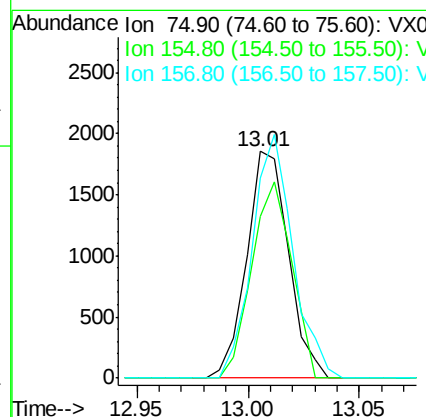
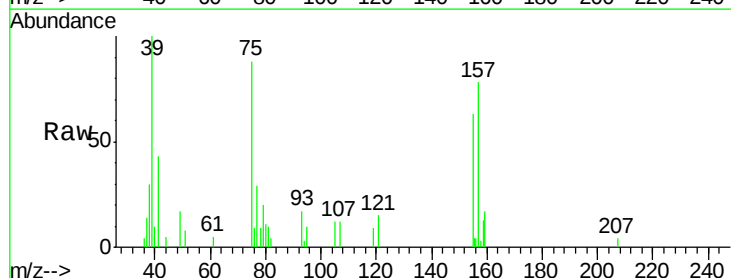
RT: 13.01 min Scan# 2037

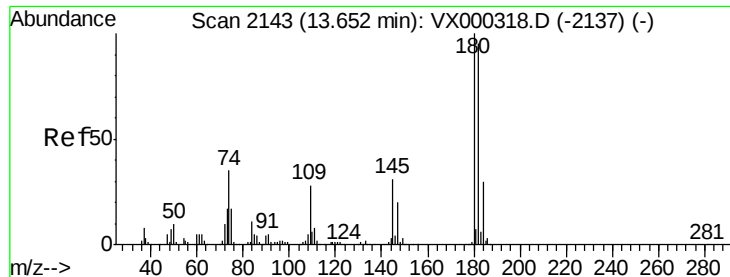
Delta R.T. -0.01 min

Lab File: VX000316.D

Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	45.0	134.8
157	104.1	58.1	174.2





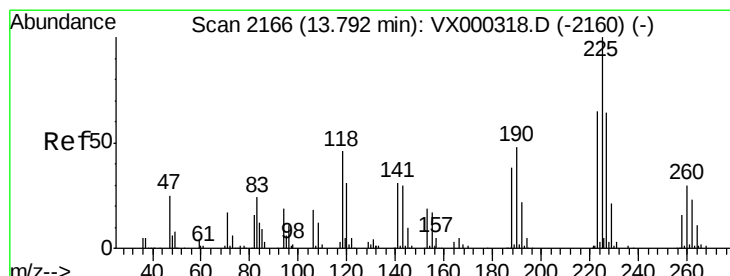
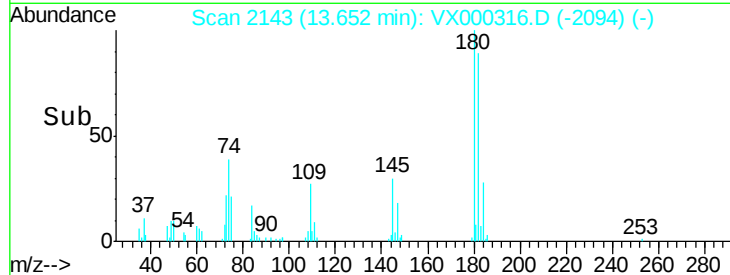
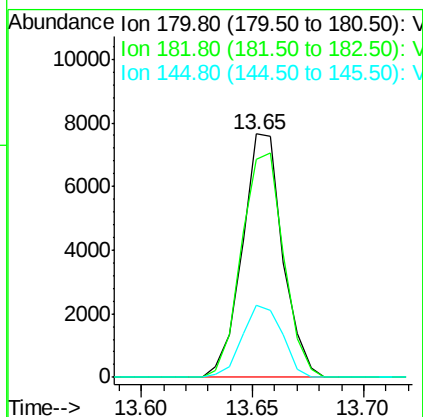
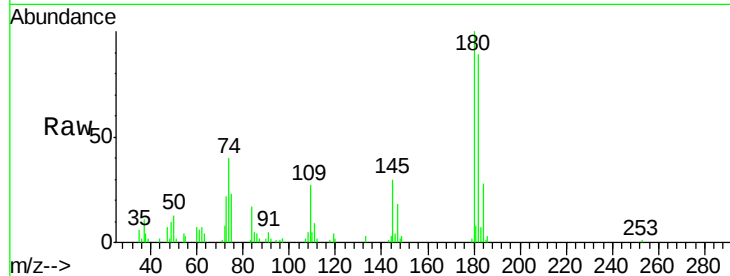
#93
 1,2,4-Trichlorobenzene
 Concen: 3.82 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.9
145	29.5	15.1	45.3

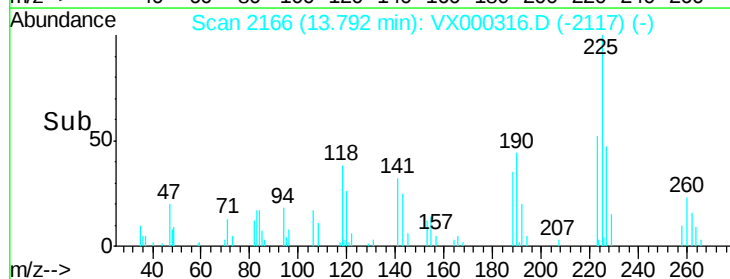
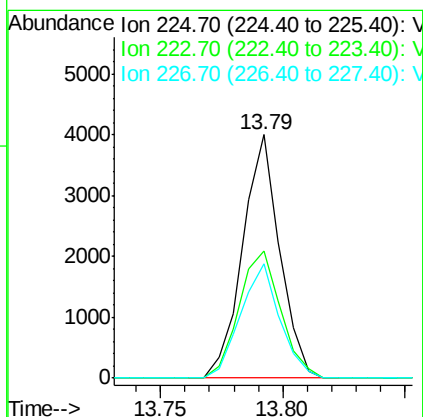
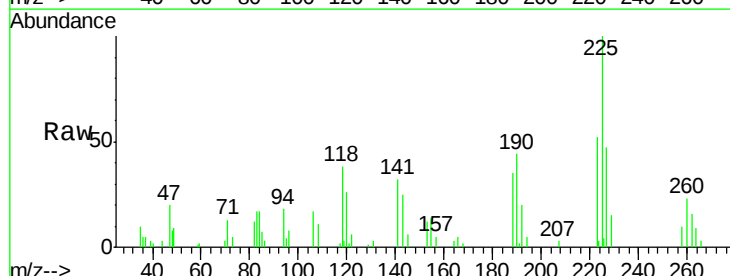
Manual Integrations
 APPROVED

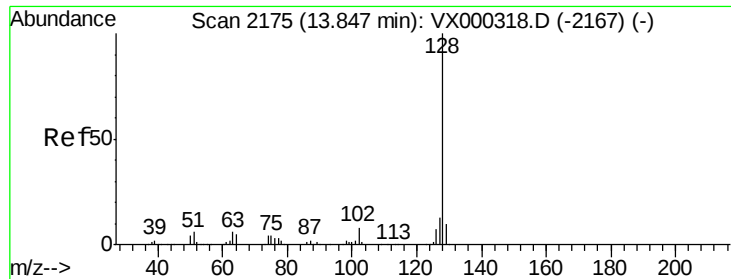
sam
 3/15/2018 3:36:55 PM



#94
 Hexachlorobutadiene
 Concen: 3.14 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000316.D
 Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.8	32.0	96.0
227	50.0	32.6	98.0





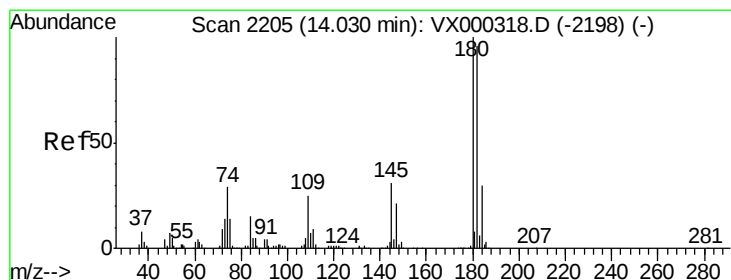
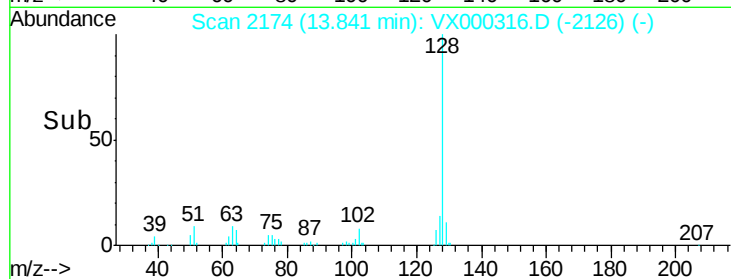
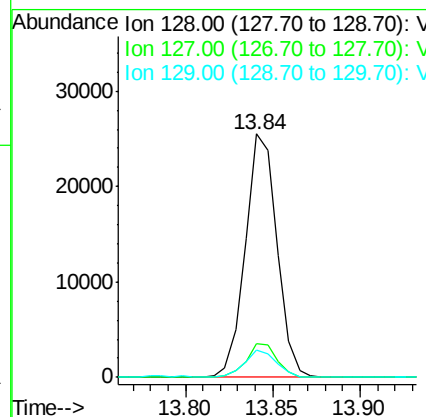
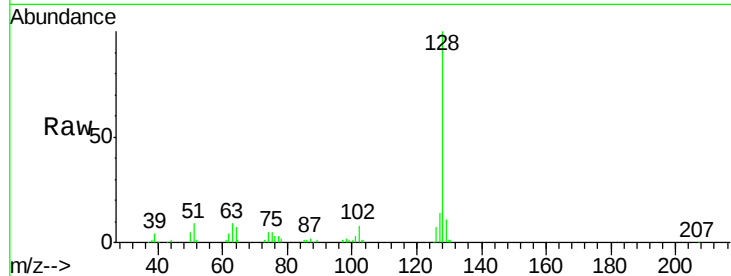
#95
Naphthalene
Concen: 4.31 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.5	8.9	13.3

Manual Integrations
APPROVED

sam
3/15/2018 3:36:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 3.94 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000316.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.4	142.3
145	31.1	15.8	47.3

