

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000527.D
 Acq On : 29 Mar 2018 21:31
 Operator : JC/MD
 Sample : VX0329WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBSD01

Manual Integrations
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 3/30/2018 4:10:30 PM

Quant Time: Mar 30 07:54:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	110640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	188099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	195419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	111364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	74773	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	5.51	113	59520	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	8.73	98	243998	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.15	95	93081	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	21792	17.87	ug/l	95
3) Chloromethane	1.32	50	22493	17.51	ug/l	96
4) Vinyl Chloride	1.40	62	31050	22.88	ug/l	97
5) Bromomethane	1.64	94	36889	22.73	ug/l	99
6) Chloroethane	1.73	64	21541	28.03	ug/l	97
7) Trichlorofluoromethane	1.93	101	58393	23.83	ug/l	95
8) Diethyl Ether	2.20	74	21500	24.56	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32360	23.69	ug/l	97
10) Methyl Iodide	2.51	142	13060	13.10	ug/l	98
11) Tert butyl alcohol	3.08	59	74670	150.31	ug/l	99
12) 1,1-Dichloroethene	2.38	96	28963	24.15	ug/l	97
13) Acrolein	2.30	56	18106	122.07	ug/l	100
14) Allyl chloride	2.73	41	53165	25.05	ug/l	99
15) Acrylonitrile	3.15	53	133844	133.02	ug/l	100
16) Acetone	2.45	43	135156	112.50	ug/l	99
17) Carbon Disulfide	2.57	76	68874	21.60	ug/l	100
18) Methyl Acetate	2.78	43	70663	28.05	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	112920	25.46	ug/l	98
20) Methylene Chloride	2.86	84	34434	24.81	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	32290	24.14	ug/l	97
22) Diisopropyl ether	3.89	45	69937	18.66	ug/l	93
23) Vinyl Acetate	3.84	43	319497	89.90	ug/l	99
24) 1,1-Dichloroethane	3.70	63	49488	21.00	ug/l	99
25) 2-Butanone	4.72	43	144756	107.19	ug/l	100
26) 2,2-Dichloropropane	4.60	77	29310	17.74	ug/l	95
27) cis-1,2-Dichloroethene	4.61	96	26897	21.51	ug/l	93
28) Bromochloromethane	5.03	49	19769	20.34	ug/l	97
29) Tetrahydrofuran	5.18	42	91804	110.49	ug/l	98
30) Chloroform	5.23	83	47711	21.60	ug/l	96
31) Cyclohexane	5.58	56	35487	19.48	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	41299	20.72	ug/l	98
36) 1,1-Dichloropropene	5.81	75	35130	19.94	ug/l	99
37) Ethyl Acetate	4.88	43	49886	20.73	ug/l	100
38) Carbon Tetrachloride	5.79	117	35083	18.98	ug/l	98

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	42012	19.61	ug/l	98
40) Benzene	6.15	78	105756	20.67	ug/l	96
41) Methacrylonitrile	5.07	41	25019	19.72	ug/l	98
42) 1,2-Dichloroethane	6.21	62	41013	20.43	ug/l	99
43) Isopropyl Acetate	6.48	43	72573	20.26	ug/l	99
44) Trichloroethene	7.22	130	30317	20.68	ug/l	92
45) 1,2-Dichloropropane	7.52	63	28433	21.71	ug/l	100
46) Dibromomethane	7.67	93	20803	20.24	ug/l	93
47) Bromodichloromethane	7.91	83	38288	21.17	ug/l	98
48) Methyl methacrylate	7.79	41	37142	21.35	ug/l	98
49) 1,4-Dioxane	7.77	88	18094	494.92	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	307990	111.07	ug/l	98
52) Toluene	8.79	92	71763	20.06	ug/l	95
53) t-1,3-Dichloropropene	8.45	75	43185	20.60	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	40115	19.73	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	31771	21.60	ug/l	98
56) Ethyl methacrylate	9.19	69	45214	20.28	ug/l	96
57) 1,3-Dichloropropane	9.38	76	50844	21.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	91178	85.23	ug/l	99
59) 2-Hexanone	9.51	43	252752	107.34	ug/l	99
60) Dibromochloromethane	9.59	129	31763	20.86	ug/l	98
61) 1,2-Dibromoethane	9.68	107	33242	21.07	ug/l	97
64) Tetrachloroethene	9.34	164	30007	19.79	ug/l	94
65) Chlorobenzene	10.15	112	88812	20.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	29728	20.13	ug/l	97
67) Ethyl Benzene	10.26	91	149316	20.25	ug/l	100
68) m/p-Xylenes	10.37	106	117451	40.49	ug/l	98
69) o-Xylene	10.71	106	57102	20.33	ug/l	97
70) Styrene	10.72	104	92520	19.91	ug/l	100
71) Bromoform	10.87	173	23542	18.61	ug/l #	99
73) Isopropylbenzene	11.02	105	154614	20.95	ug/l	99
74) N-amyl acetate	6.48	43	72573	20.63	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	57329	21.97	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	51466m	21.50	ug/l	
77) Bromobenzene	11.26	156	37765	19.21	ug/l	95
78) n-propylbenzene	11.37	91	178362	20.27	ug/l	99
79) 2-Chlorotoluene	11.43	91	104601	20.58	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	127903	20.62	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	13255	17.93	ug/l	90
82) 4-Chlorotoluene	11.52	91	122788	20.23	ug/l	98
83) tert-Butylbenzene	11.78	119	127652	20.40	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	131990	20.29	ug/l	100
85) sec-Butylbenzene	11.95	105	159702	20.63	ug/l	99
86) p-Isopropyltoluene	12.07	119	139719	20.32	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	74596	20.07	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	77153	19.77	ug/l	97
89) n-Butylbenzene	12.40	91	133134	20.80	ug/l	98
90) Hexachloroethane	12.60	117	21749	20.10	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	74743	20.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15260	20.97	ug/l	93

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ClientSampleId :
VX0329WBSD01

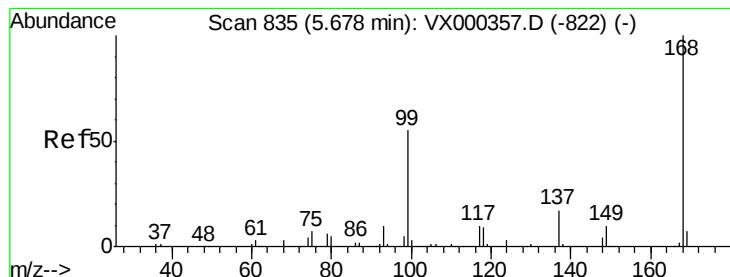
Manual Integrations
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Quant Time: Mar 30 07:54:54 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53770	20.58	ug/l	99
94) Hexachlorobutadiene	13.79	225	22560	20.86	ug/l	96
95) Naphthalene	13.84	128	188512	20.72	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	55297	21.42	ug/l	100

(#) = 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: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampled :

VX0329WBSD01

Tot Ion:168 Resp: 110640

Ion Ratio Lower Upper

168 100

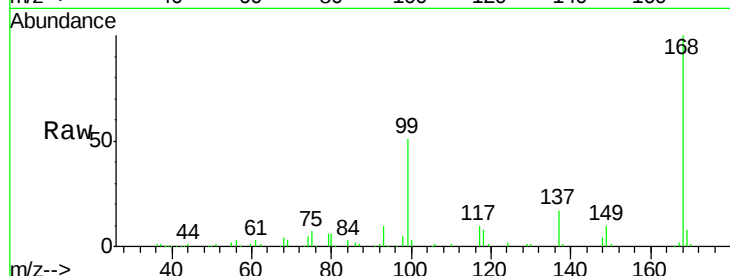
99 50.7 45.8 68.6

Manual Integrations

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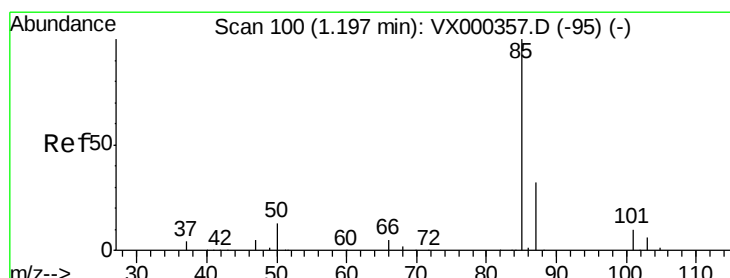
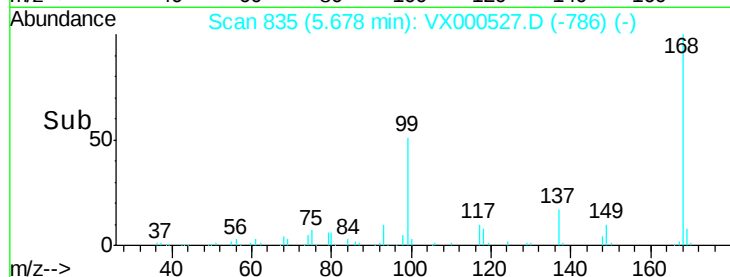
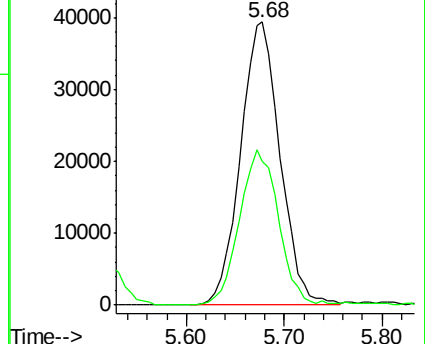
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.87 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000527.D

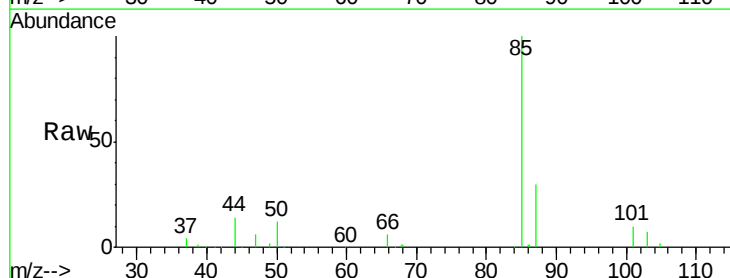
Acq: 29 Mar 2018 21:31

Tgt Ion: 85 Resp: 21792

Ion Ratio Lower Upper

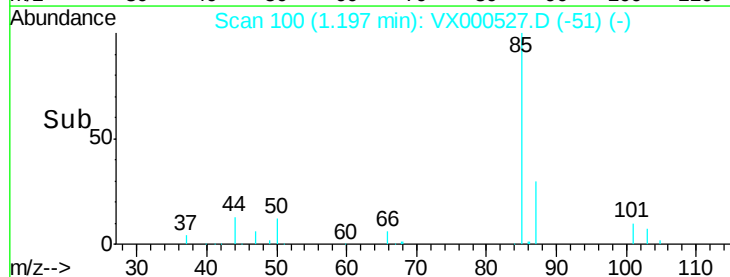
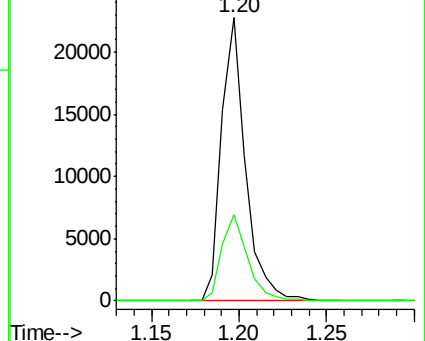
85 100

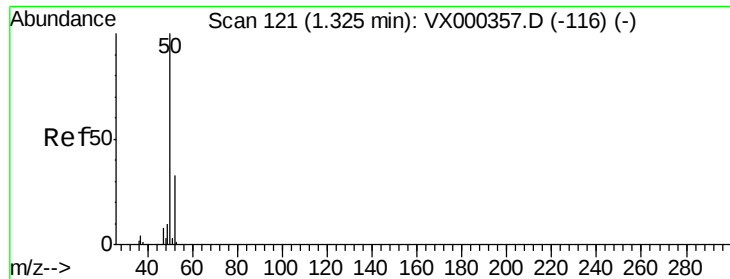
87 30.4 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.51 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampled :

VX0329WBSD01

Tot Ion: 50 Resp: 22493

Ion Ratio Lower Upper

50 100

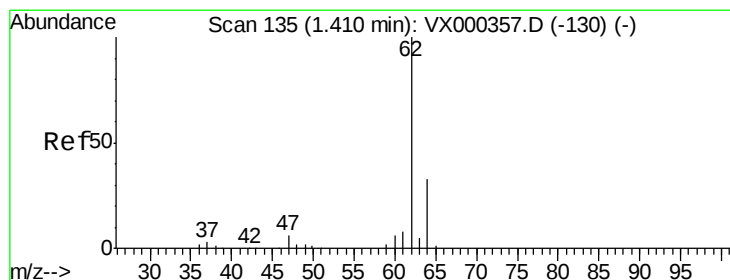
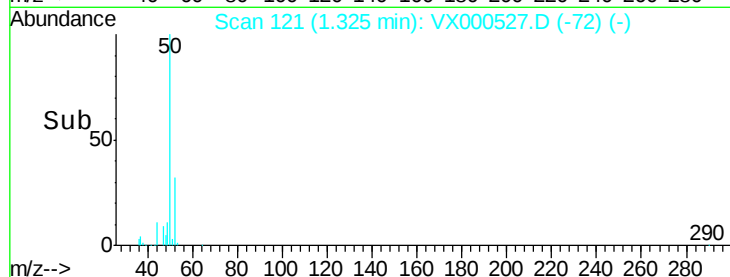
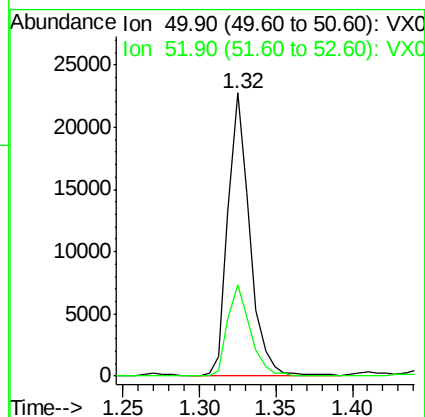
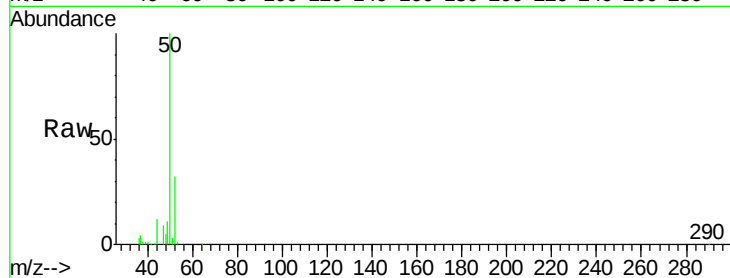
52 32.1 27.5 41.3

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#4

Vinyl Chloride

Concen: 22.88 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000527.D

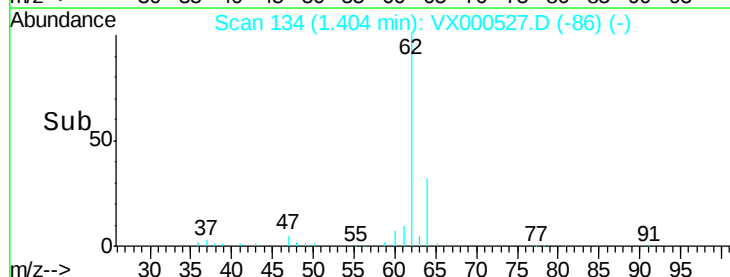
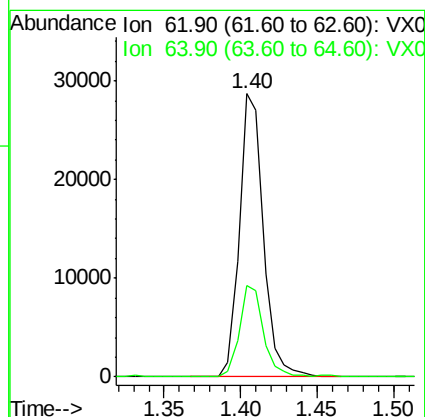
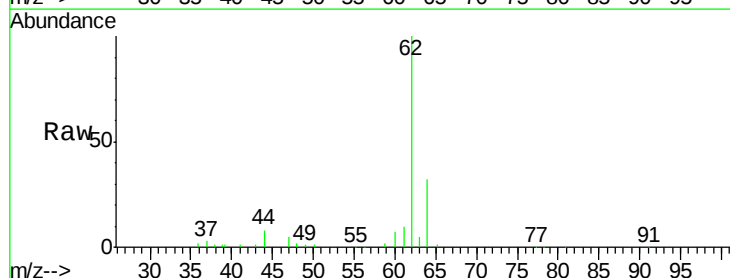
Acq: 29 Mar 2018 21:31

Tgt Ion: 62 Resp: 31050

Ion Ratio Lower Upper

62 100

64 32.4 24.8 37.2





#5

Bromomethane

Concen: 22.73 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion: 94 Resp: 36889

Ion Ratio Lower Upper

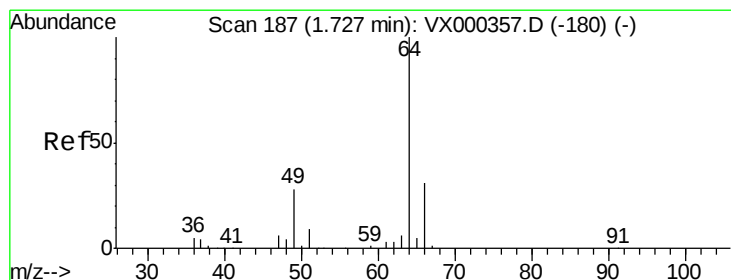
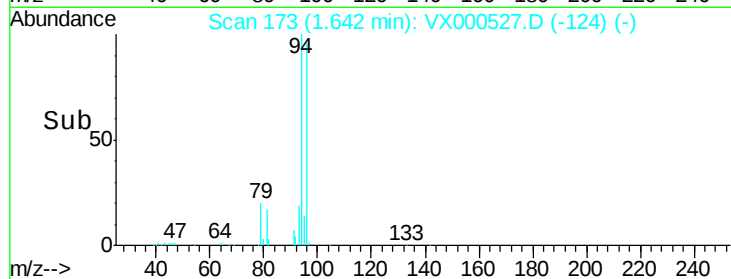
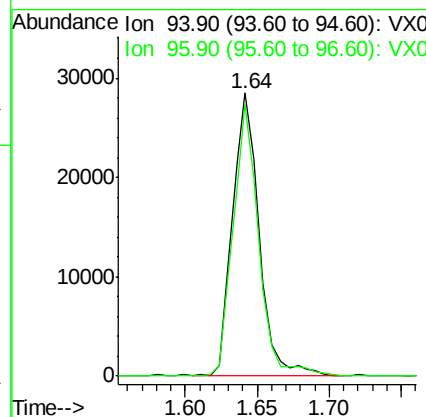
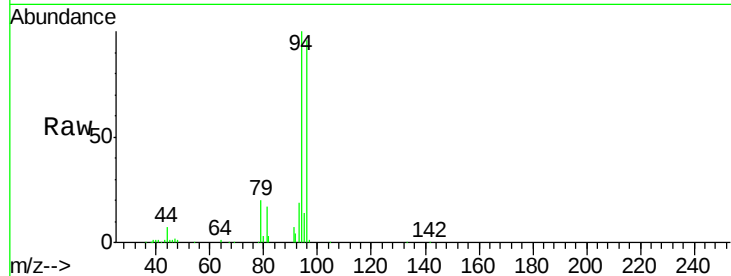
94 100

96 96.1 77.7 116.5

Manual Integrations
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#6

Chloroethane

Concen: 28.03 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000527.D

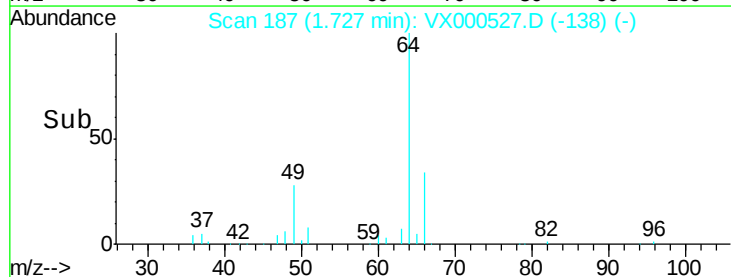
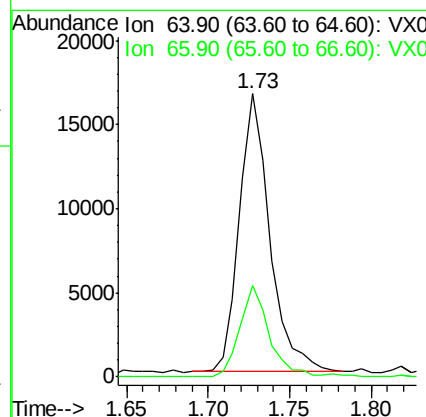
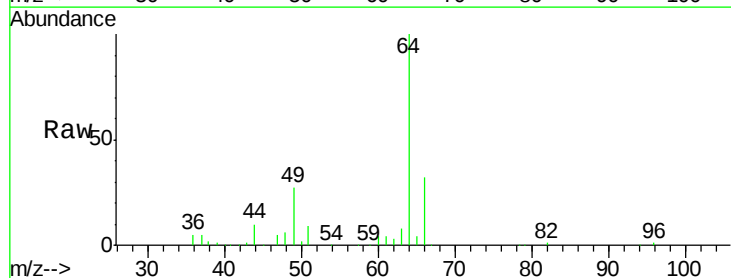
Acq: 29 Mar 2018 21:31

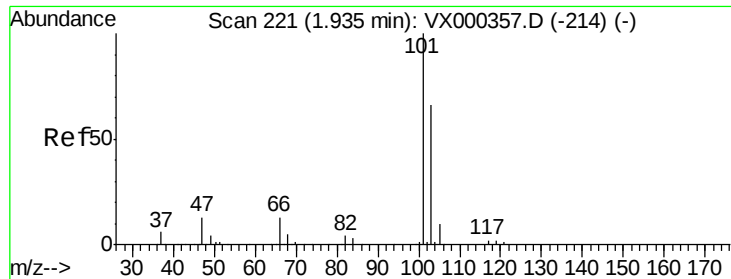
Tgt Ion: 64 Resp: 21541

Ion Ratio Lower Upper

64 100

66 32.9 24.8 37.2





#7

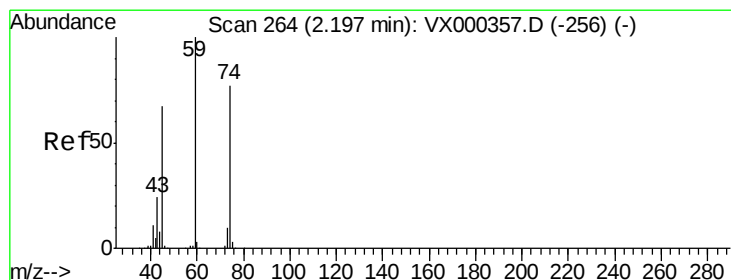
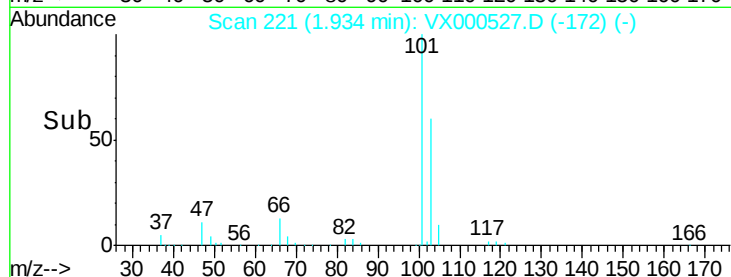
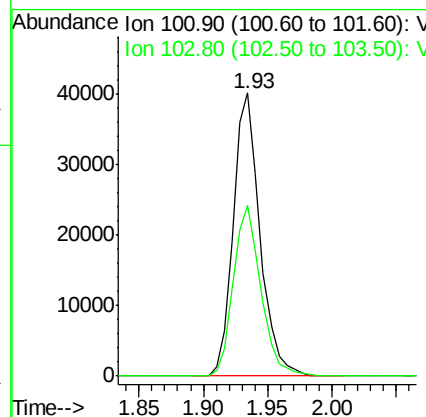
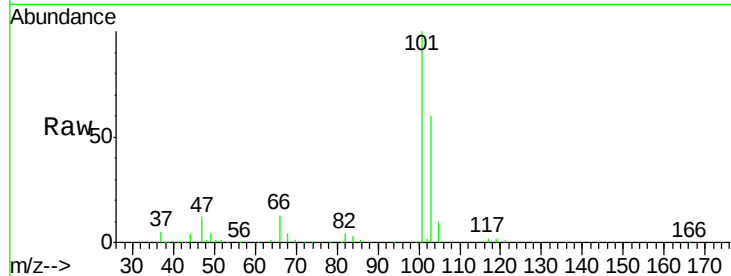
Trichlorofluoromethane
Concen: 23.83 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
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ClientSampleId :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	51.6	77.4

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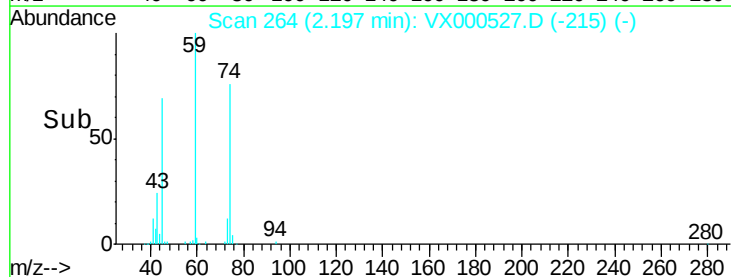
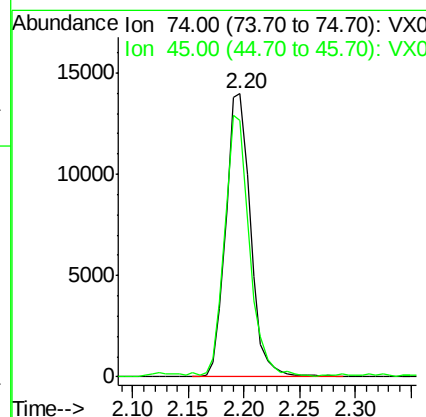
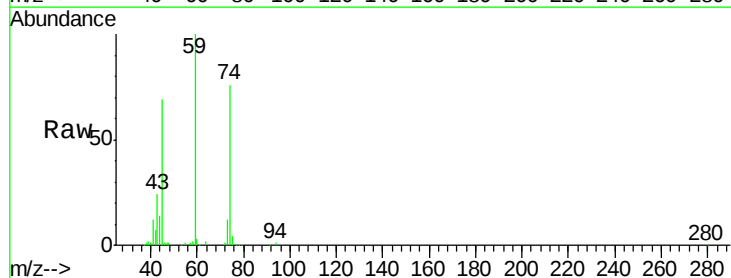
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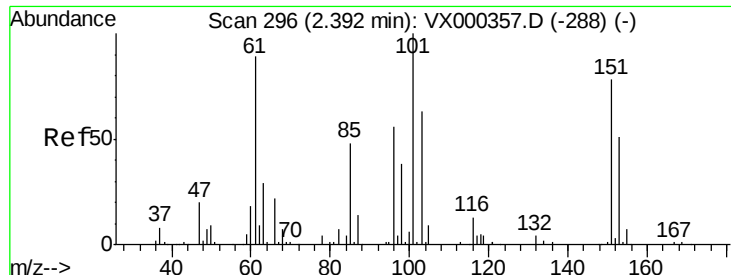


#8

Diethyl Ether
Concen: 24.56 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	45.1	135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.69 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

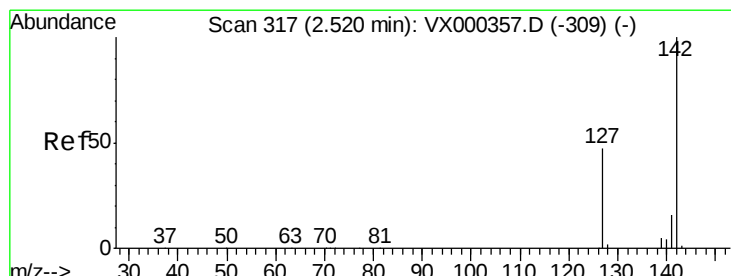
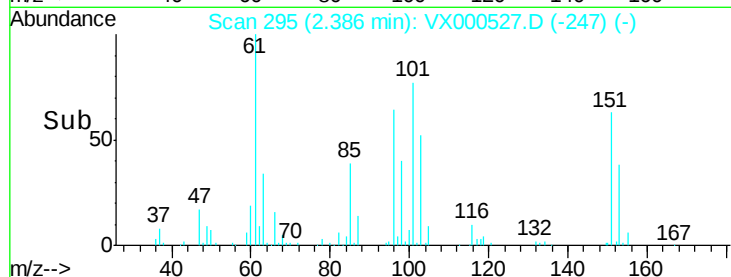
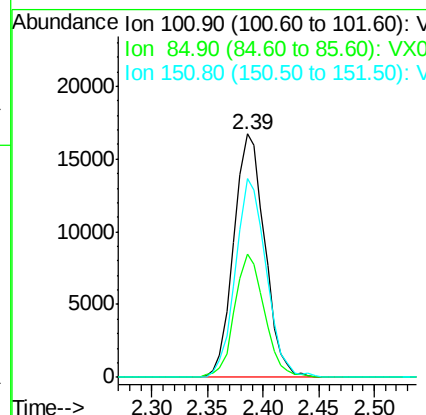
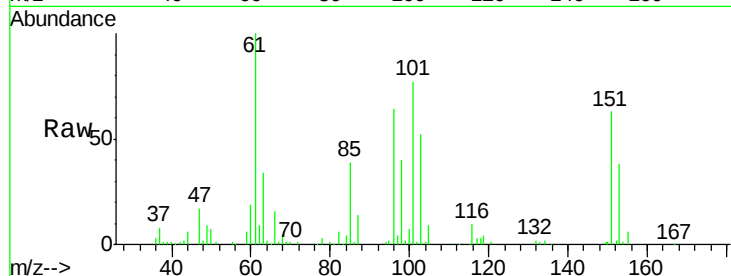
VX0329WBSD01

Tot Ion:	101	Resp:	32360
Ion Ratio	Lower	Upper	
101	100		
85	48.7	37.6	56.4
151	81.0	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 13.10 ug/l

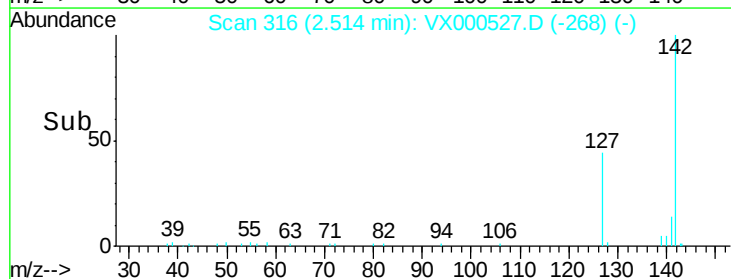
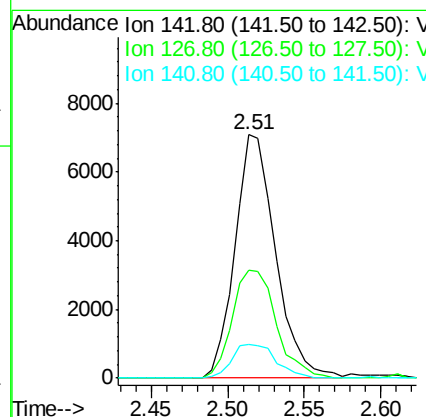
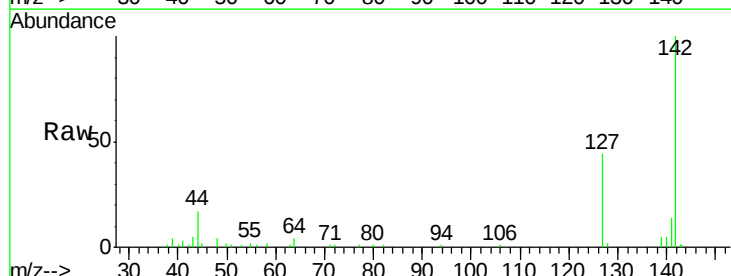
RT: 2.51 min Scan# 316

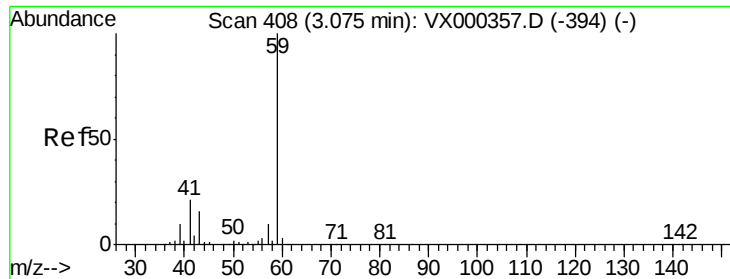
Delta R.T. -0.01 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Tgt Ion:	142	Resp:	13060
Ion Ratio	Lower	Upper	
142	100		
127	47.7	39.2	58.8
141	15.1	11.7	17.5





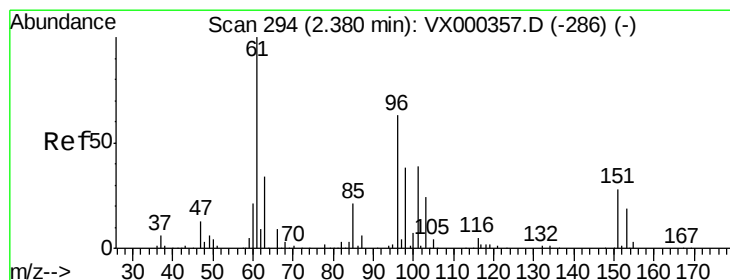
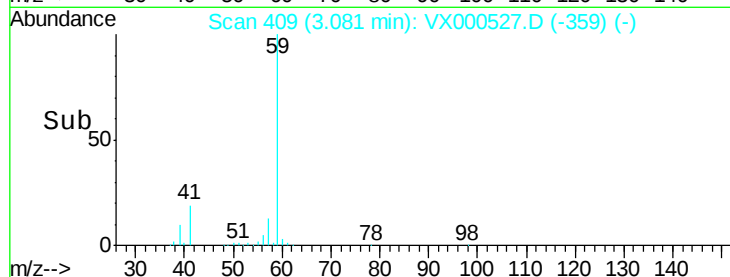
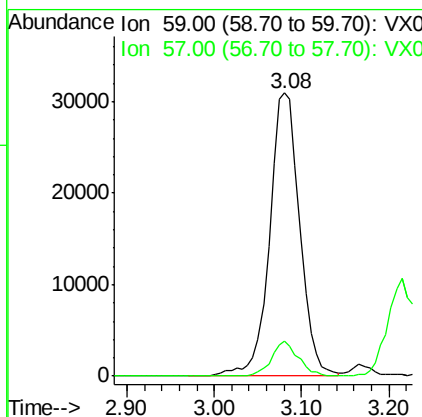
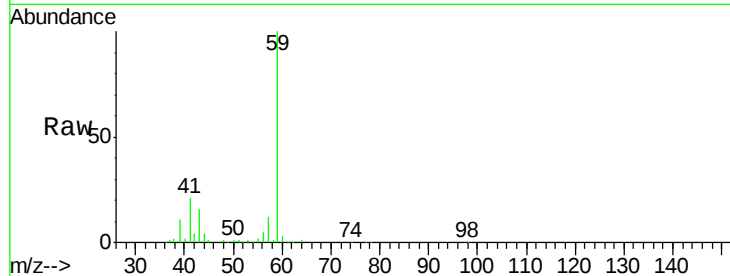
#11
Tert butyl alcohol
Concen: 150.31 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampled :
VX0329WBSD01

Tot Ion: 59 Resp: 74670
Ion Ratio Lower Upper
59 100
57 11.0 8.4 12.6

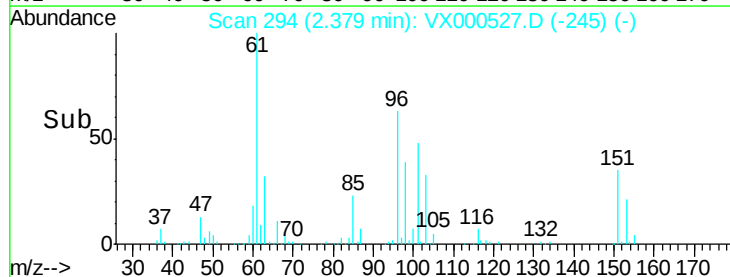
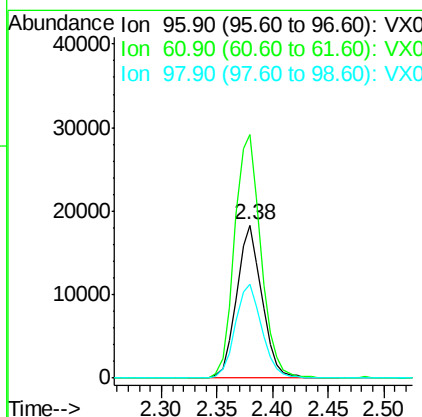
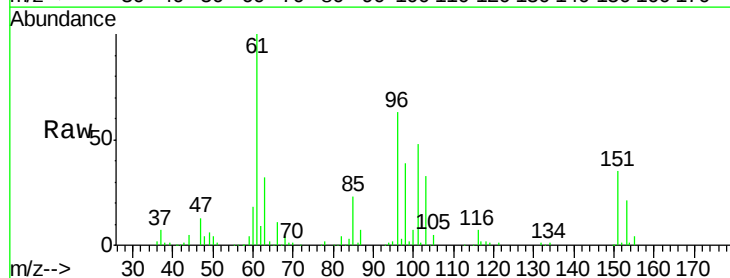
Manual Integrations
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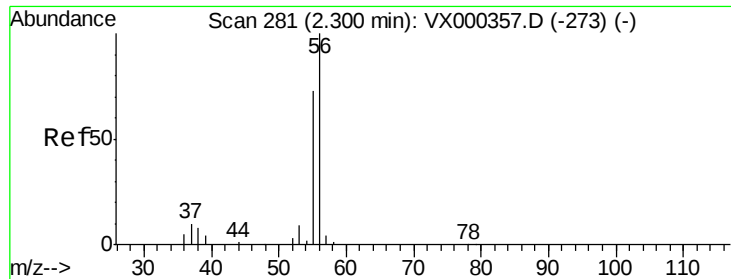
sam
3/30/2018 4:10:30 PM



#12
1,1-Dichloroethene
Concen: 24.15 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion: 96 Resp: 28963
Ion Ratio Lower Upper
96 100
61 158.9 131.2 196.8
98 61.3 49.8 74.8





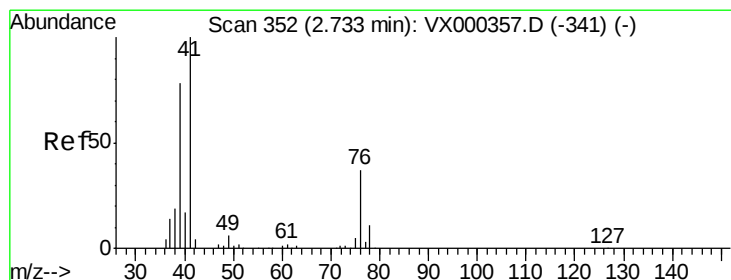
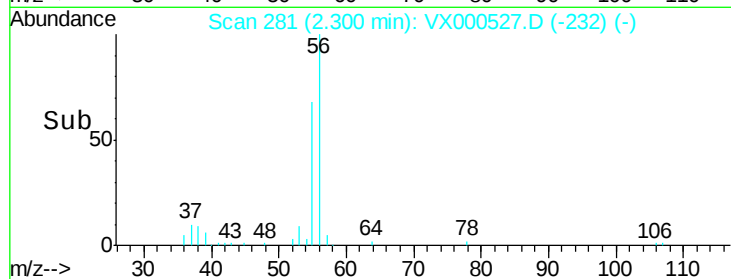
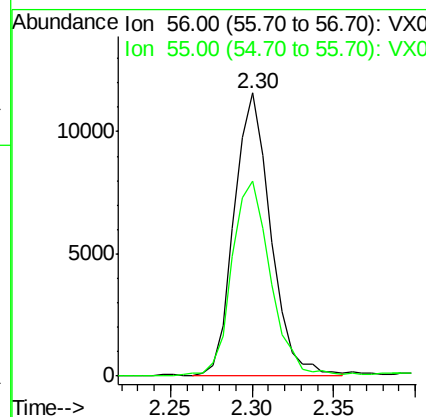
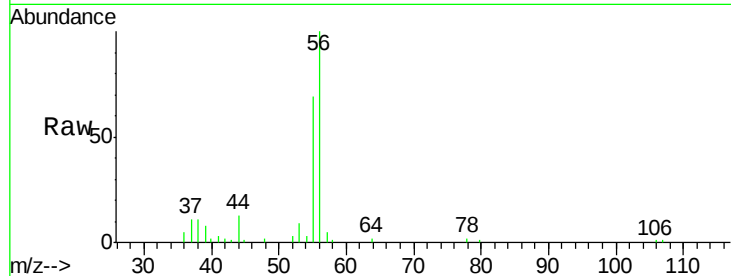
#13
Acrolein
Concen: 122.07 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampled :
VX0329WBSD01

Tot Ion	56	55	Ratio	100	73.7	Resp:	18106	Lower	58.8	Upper	88.2
Ion											

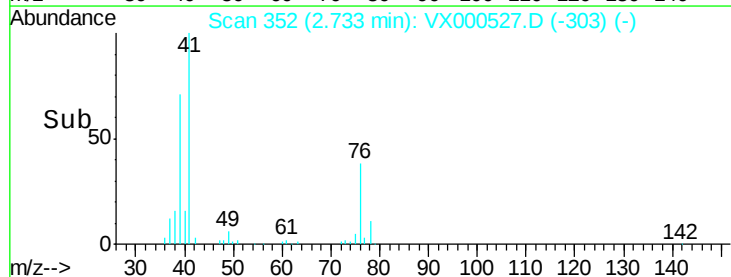
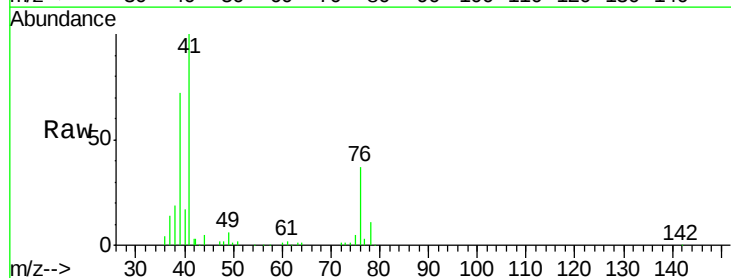
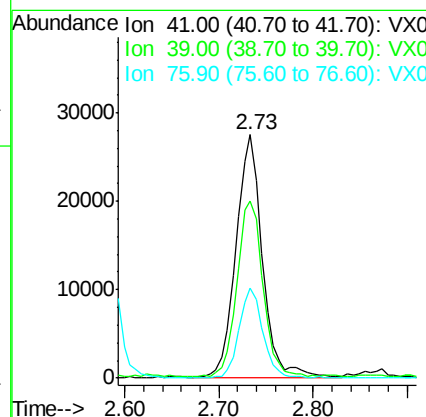
Manual Integrations
APPROVED

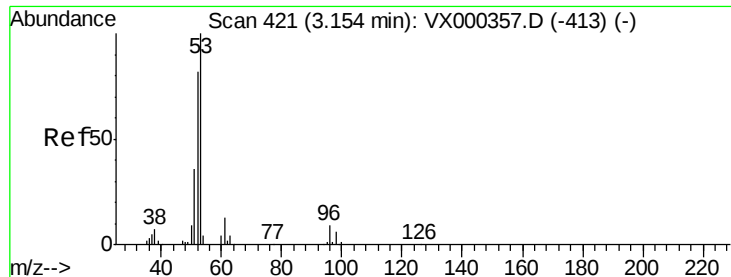
sam
3/30/2018 4:10:30 PM



#14
Allyl chloride
Concen: 25.05 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	41	39	76	Ratio	100	71.5	33.6	Resp:	53165	Lower	57.6	Upper	86.4	40.9
Ion														





#15

Acrylonitrile

Concen: 133.02 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

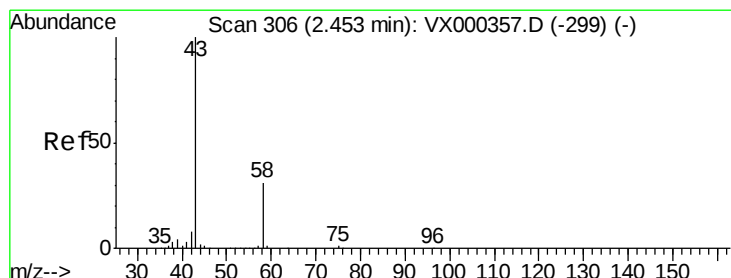
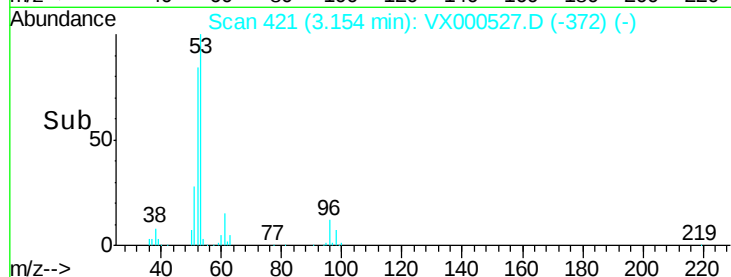
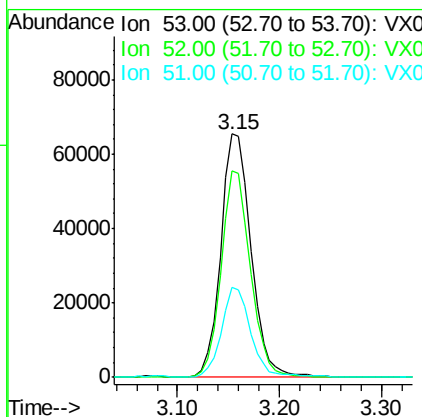
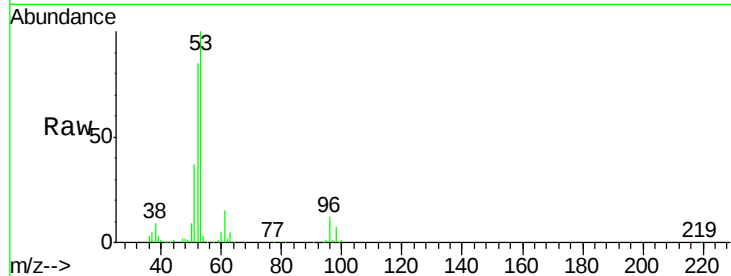
VX0329WBSD01

Tot Ion:	53	Resp:	133844
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	99.8
51	36.3	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 112.50 ug/l

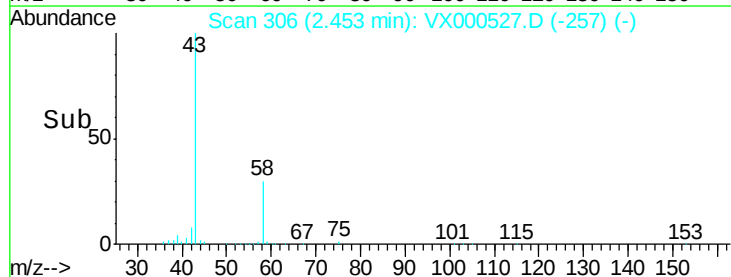
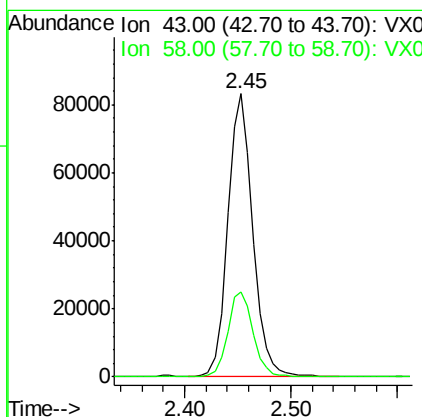
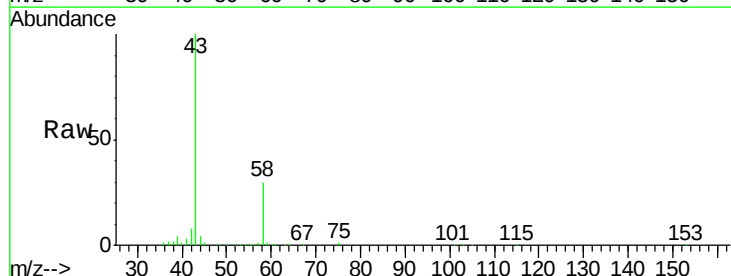
RT: 2.45 min Scan# 306

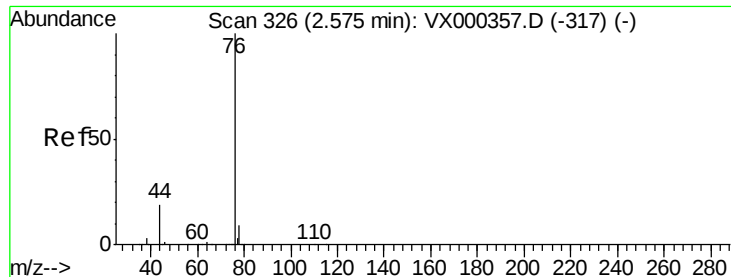
Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Tgt Ion:	43	Resp:	135156
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.7	37.1





#17

Carbon Disulfide

Concen: 21.60 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion: 76 Resp: 68874

Ion Ratio Lower Upper

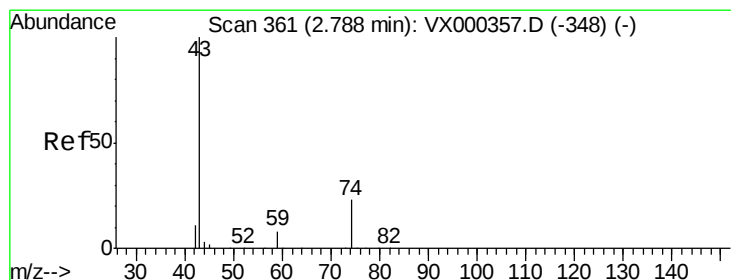
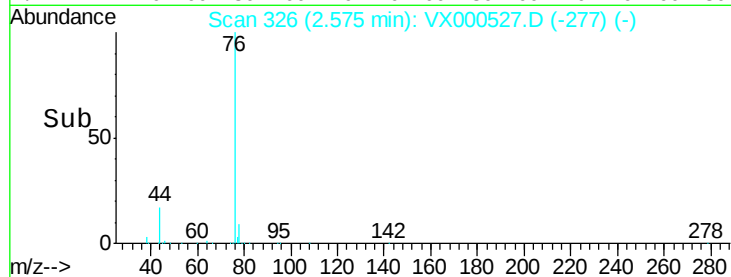
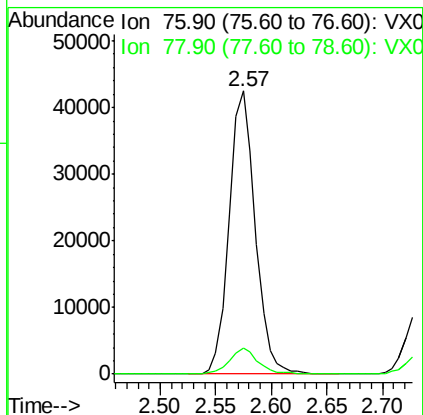
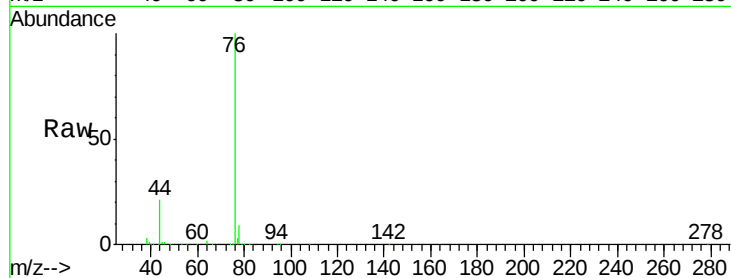
76 100

78 8.9 7.0 10.6

Manual Integrations
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#18

Methyl Acetate

Concen: 28.05 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000527.D

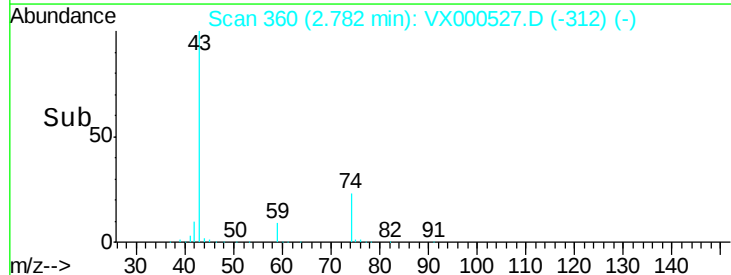
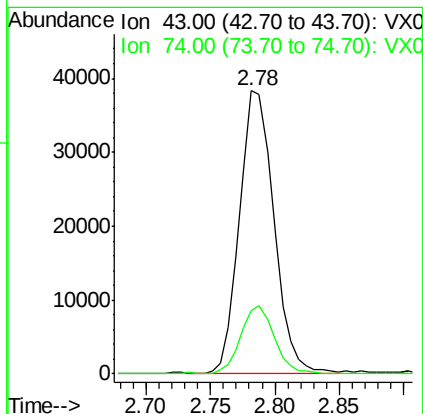
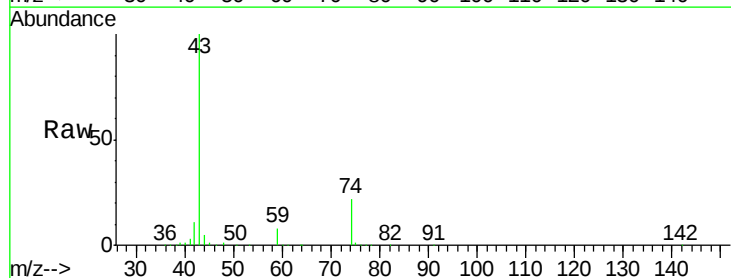
Acq: 29 Mar 2018 21:31

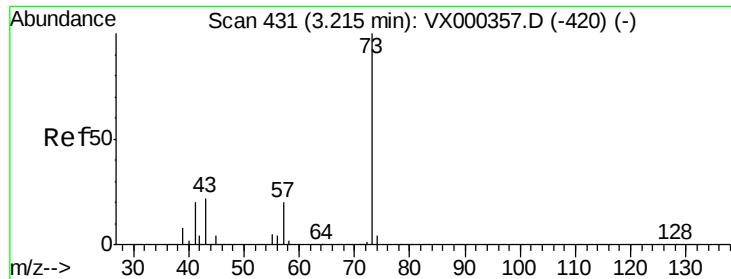
Tgt Ion: 43 Resp: 70663

Ion Ratio Lower Upper

43 100

74 23.4 19.4 29.2





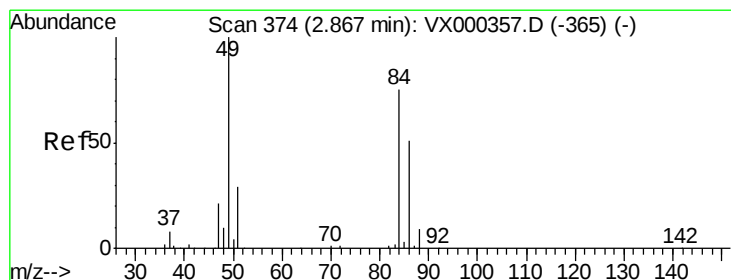
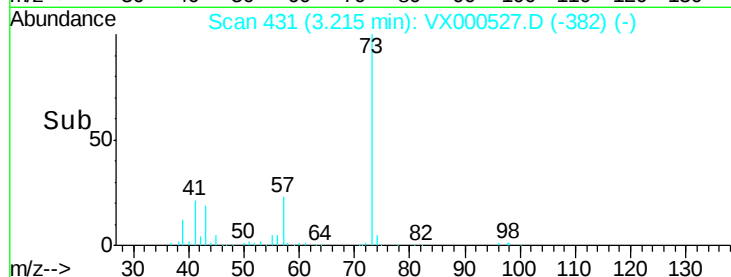
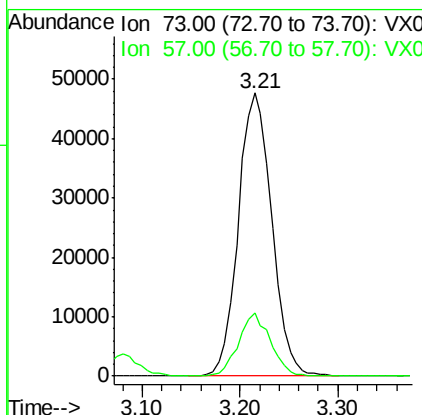
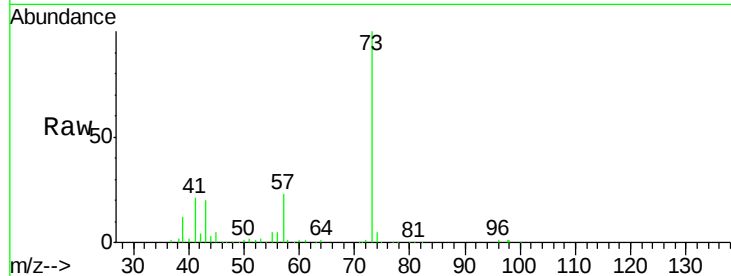
#19
Methvl tert-butvl Ether
Concen: 25.46 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampled :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.2	25.8

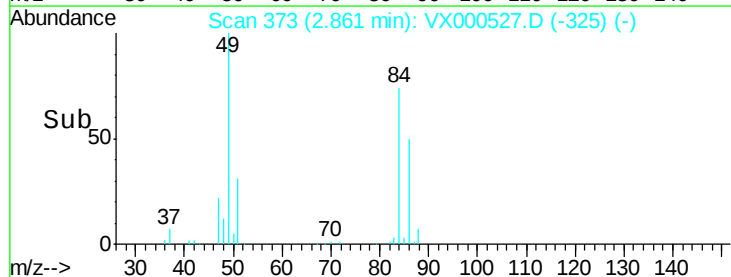
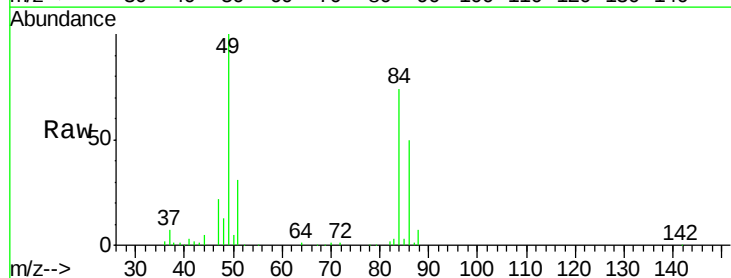
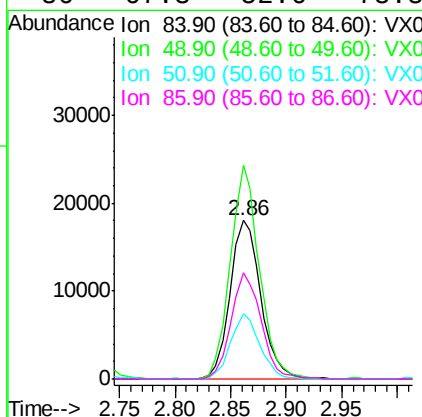
Manual Integrations
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sam
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#20
Methylene Chloride
Concen: 24.81 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.6	100.6	151.0
51	41.5	31.6	47.4
86	67.3	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 24.14 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion: 96 Resp: 32290

Ion Ratio Lower Upper

96 100

61 126.7 104.0 156.0

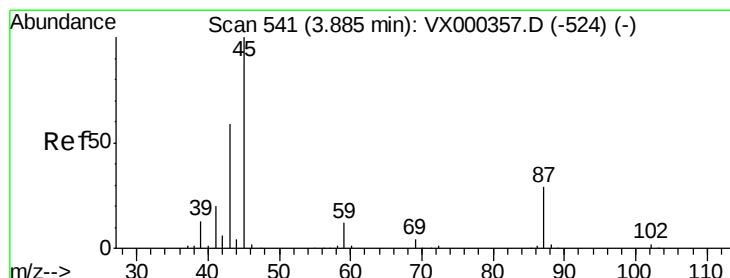
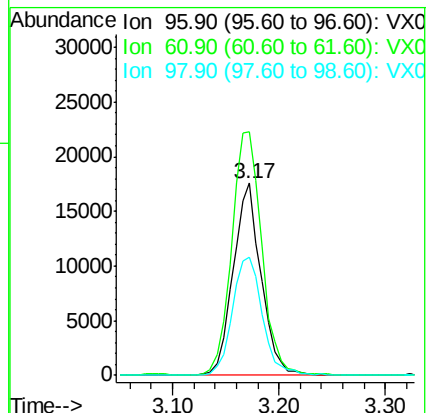
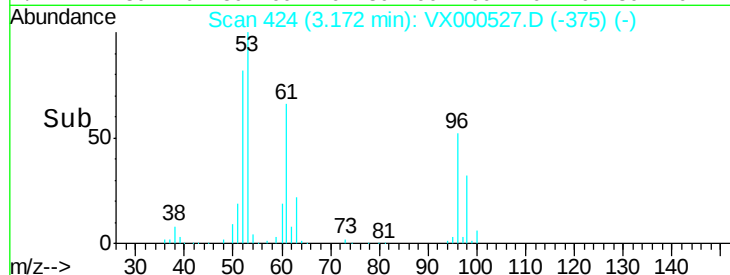
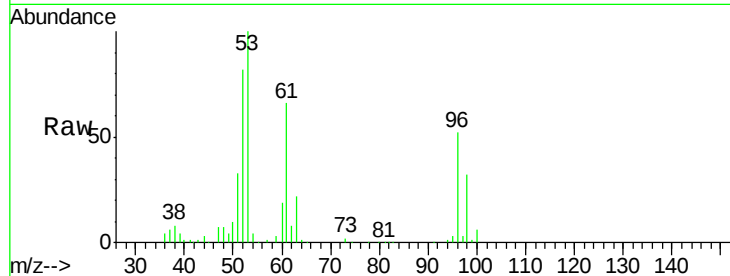
98 61.6 52.1 78.1

Manual Integrations

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sam

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#22

Diisopropyl ether

Concen: 18.66 ug/l

RT: 3.89 min Scan# 541

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Tgt Ion: 45 Resp: 69937

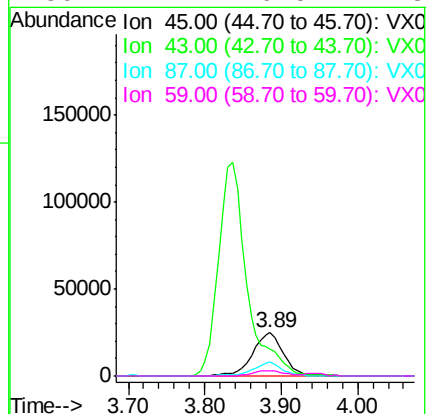
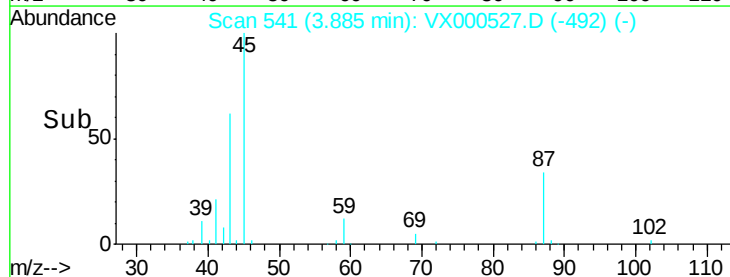
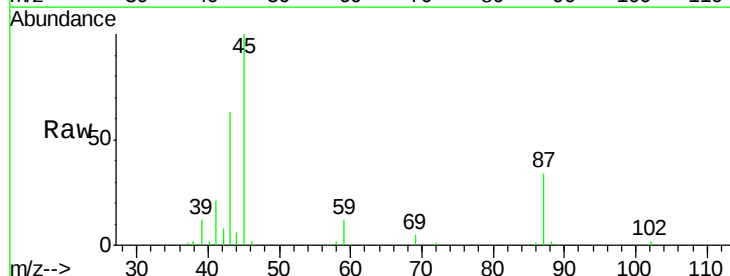
Ion Ratio Lower Upper

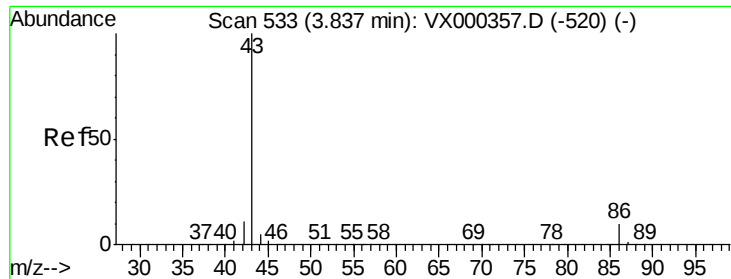
45 100

43 61.6 53.9 80.9

87 33.7 22.6 34.0

59 12.1 9.5 14.3





#23

Vinyl Acetate

Concen: 89.90 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleID :

VX0329WBSD01

Tot Ion: 43 Resp: 319497

Ion Ratio Lower Upper

43 100

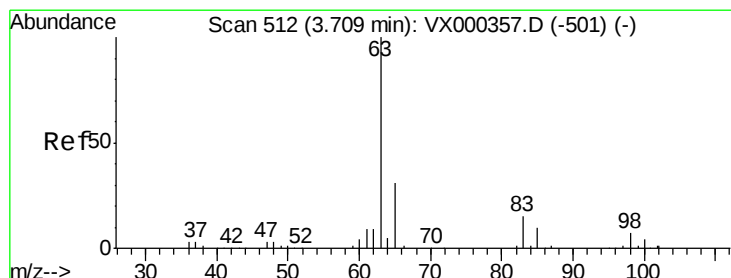
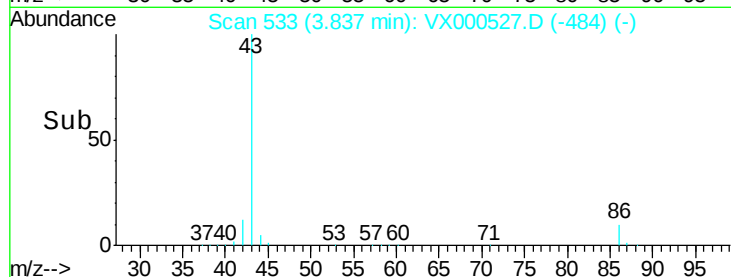
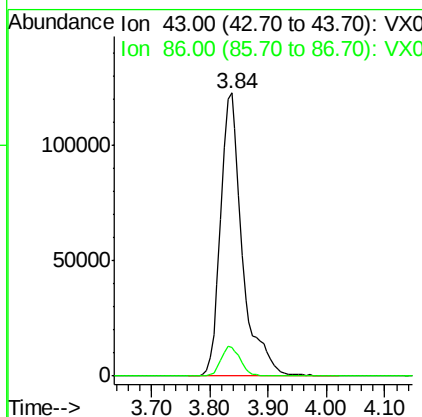
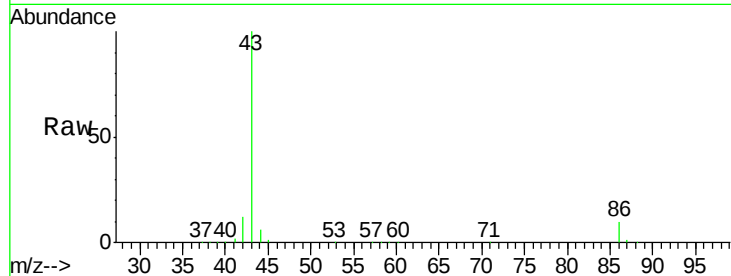
86 10.3 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.00 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

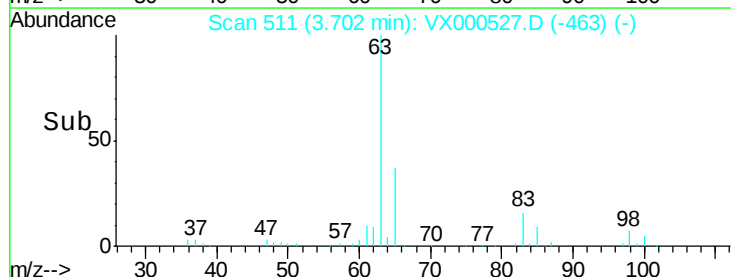
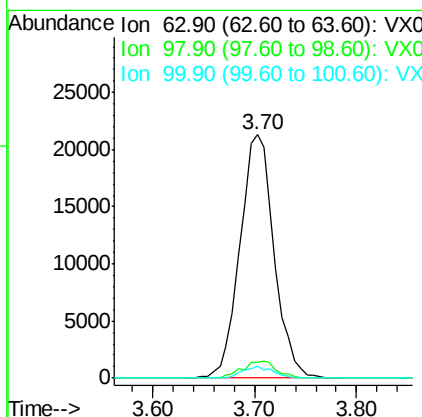
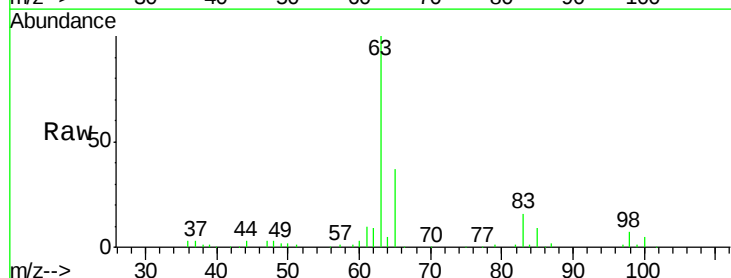
Tgt Ion: 63 Resp: 49488

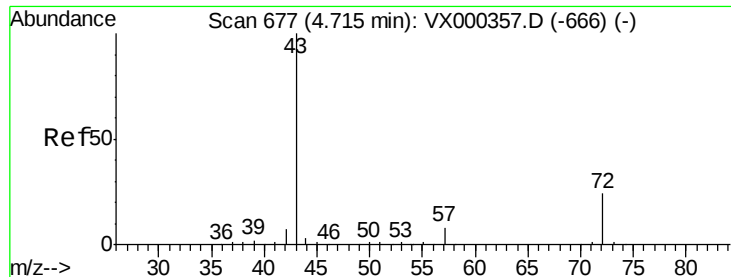
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.9 2.0 5.8





#25

2-Butanone

Concen: 107.19 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion: 43 Resp: 144756

Ion Ratio Lower Upper

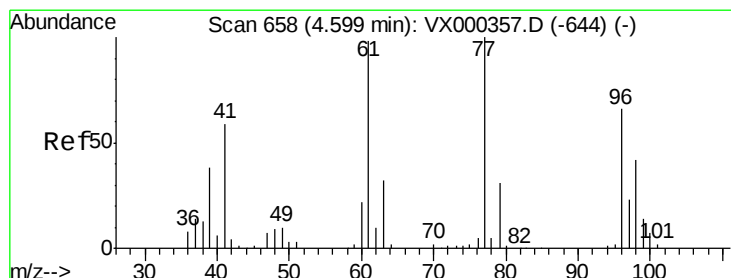
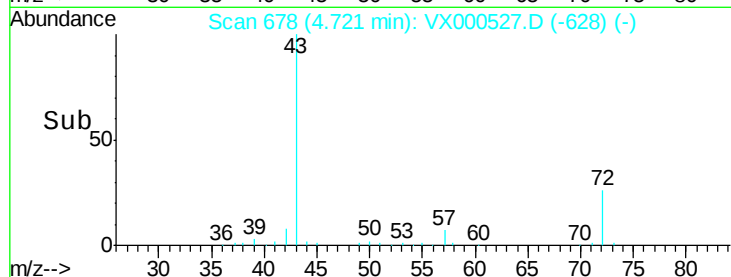
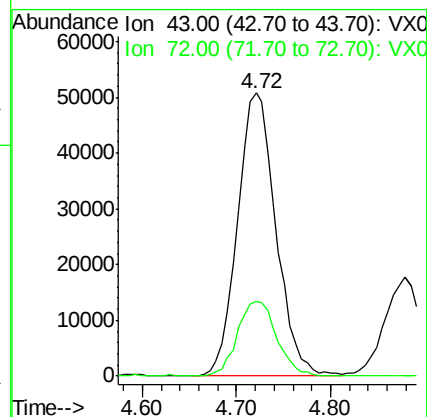
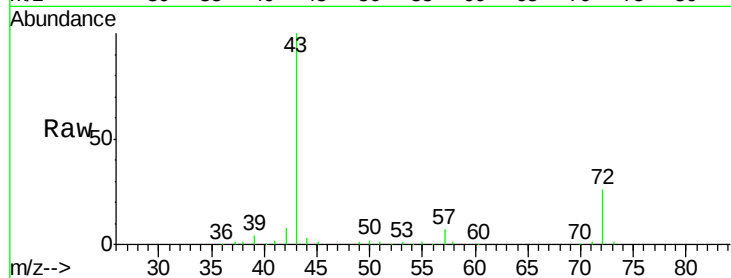
43 100

72 26.3 21.0 31.6

Manual Integrations
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sam

3/30/2018 4:10:30 PM



#26

2,2-Dichloropropane

Concen: 17.74 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX000527.D

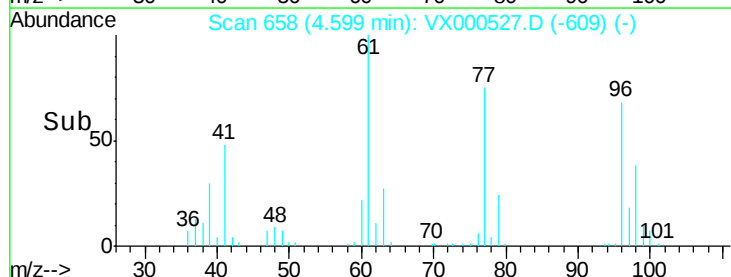
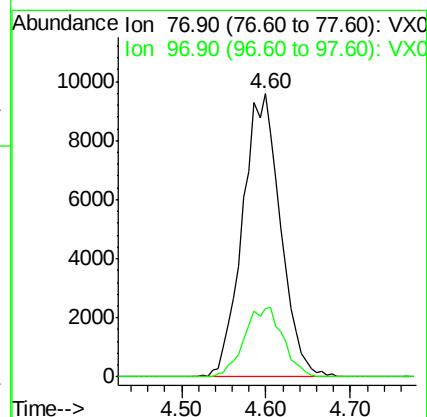
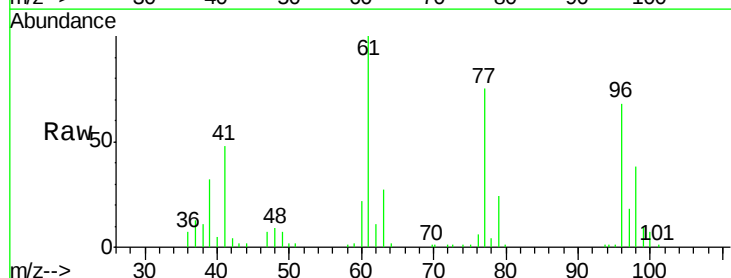
Acq: 29 Mar 2018 21:31

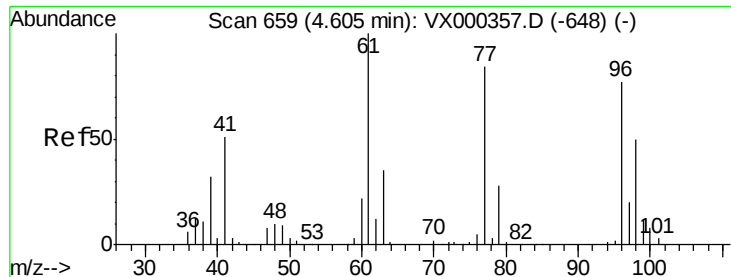
Tgt Ion: 77 Resp: 29310

Ion Ratio Lower Upper

77 100

97 24.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 21.51 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

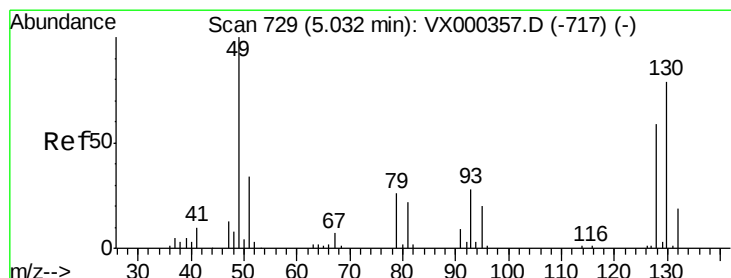
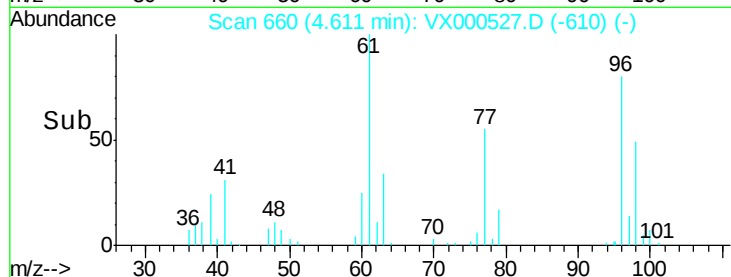
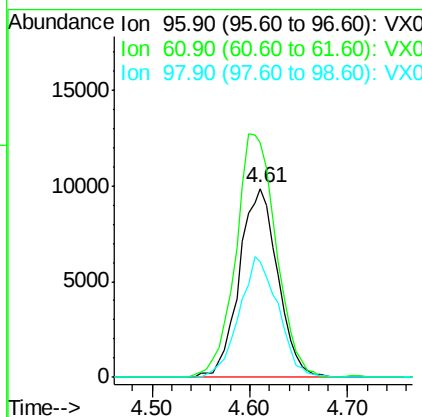
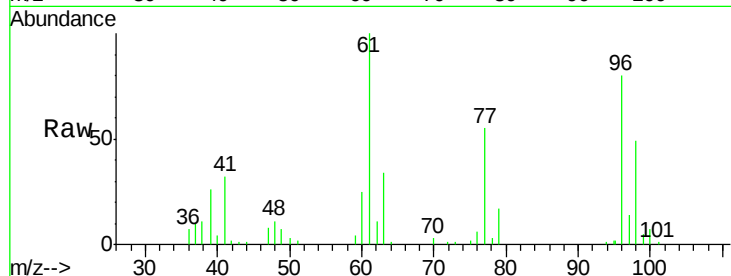
VX0329WBSD01

Tot Ion:	96	Resp:	26897
Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	291.6
98	64.2	0.0	132.0

Manual Integrations
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sam

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#28

Bromochloromethane

Concen: 20.34 ug/l

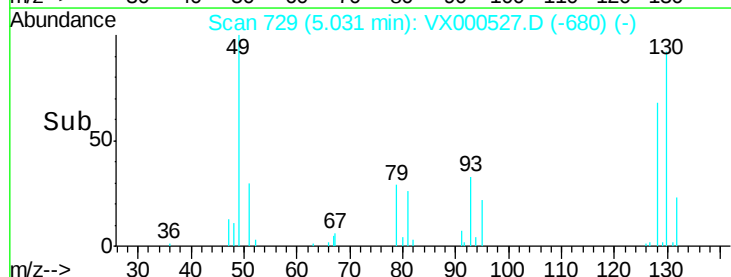
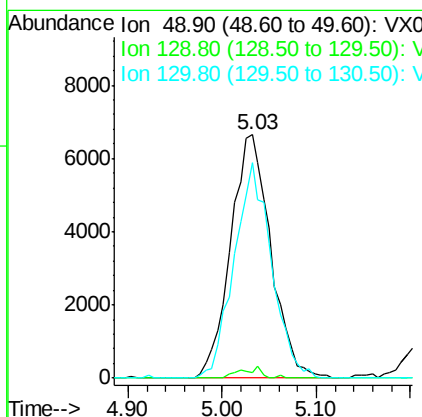
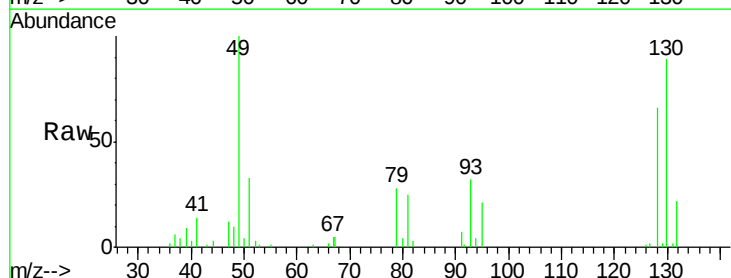
RT: 5.03 min Scan# 729

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Tgt Ion:	49	Resp:	19769
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	82.4	64.0	96.0





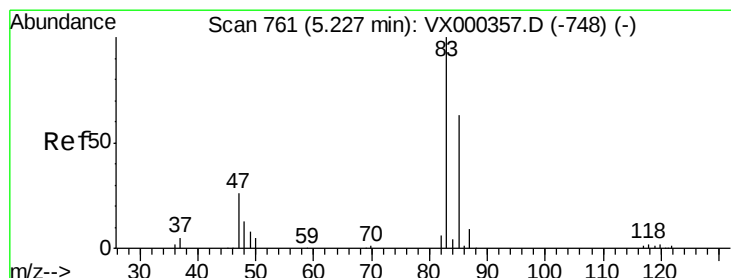
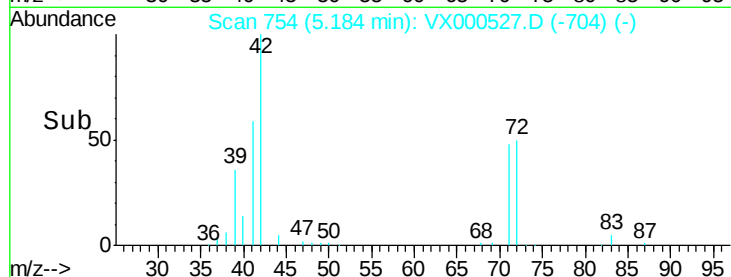
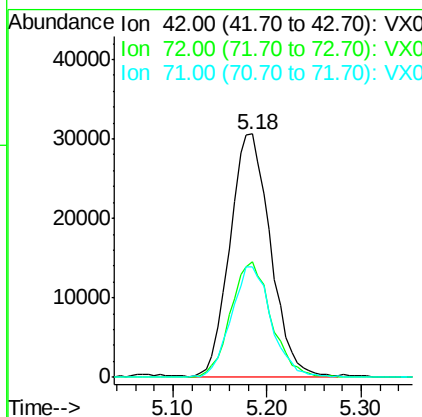
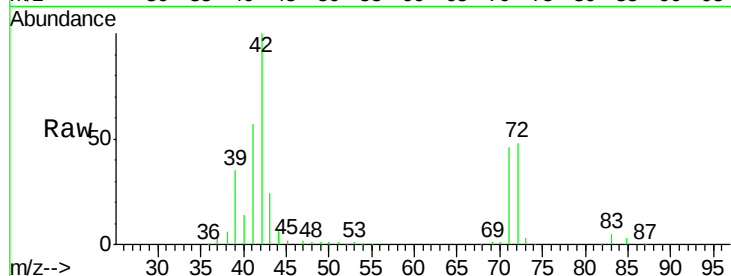
#29
Tetrahydrofuran
Concen: 110.49 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.9	56.9
71	45.1	34.4	51.6

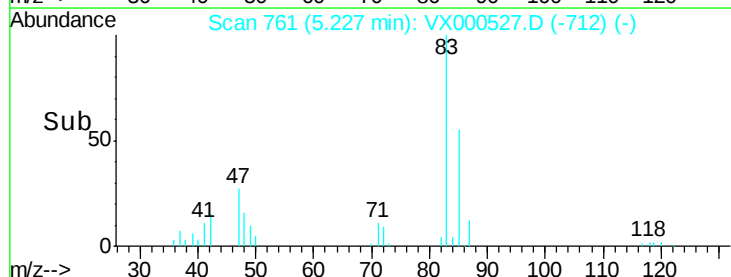
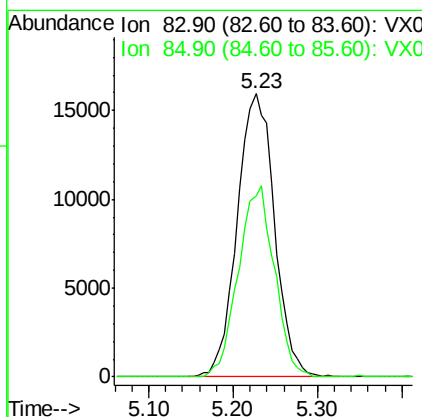
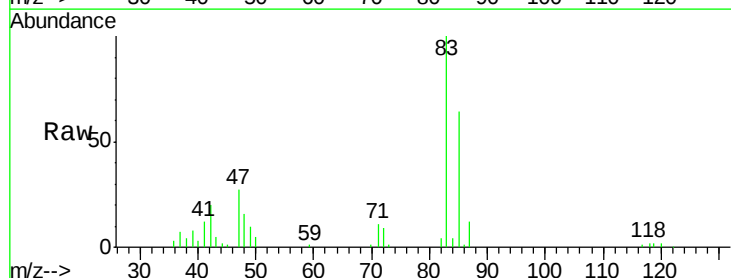
Manual Integrations
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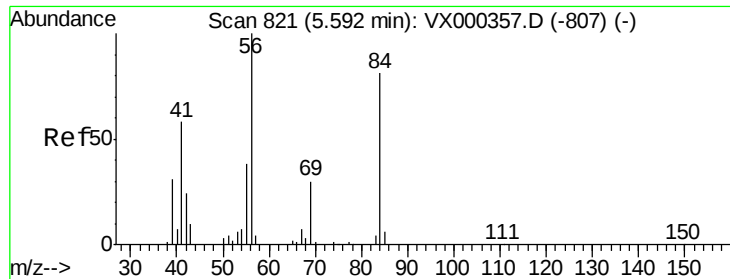
sam
3/30/2018 4:10:30 PM



#30
Chloroform
Concen: 21.60 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.3	79.9





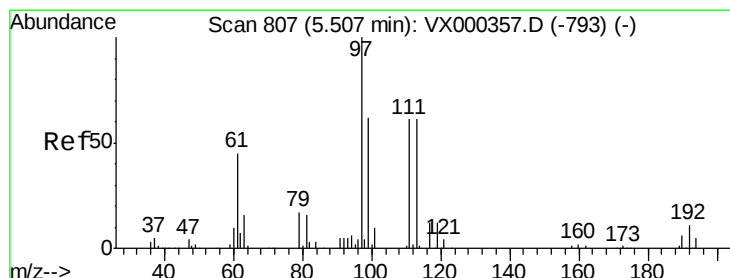
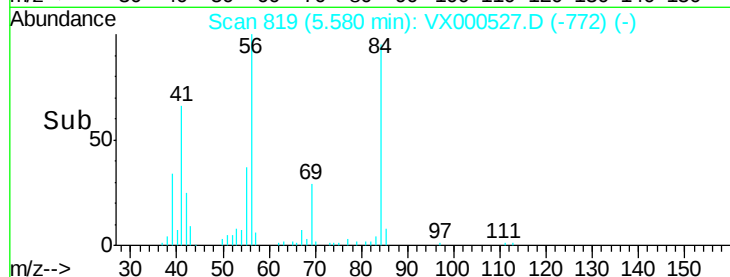
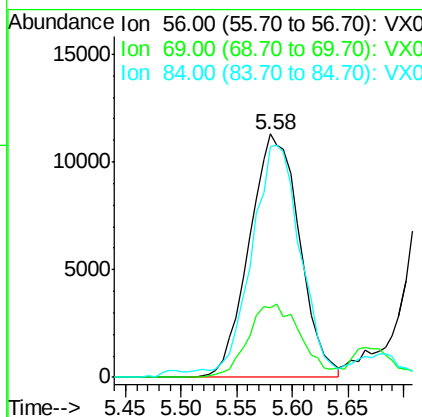
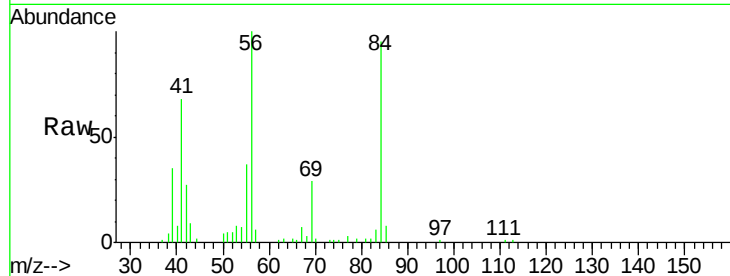
#31
Cyclohexane
Concen: 19.48 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.4	35.0
84	92.7	71.0	106.4

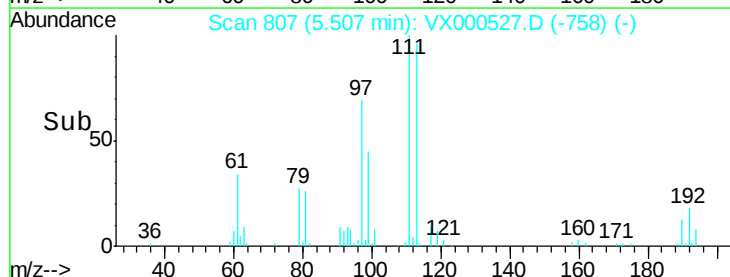
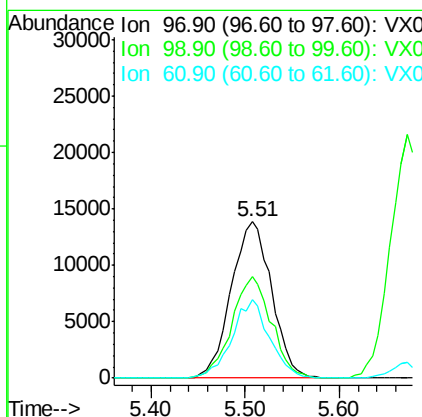
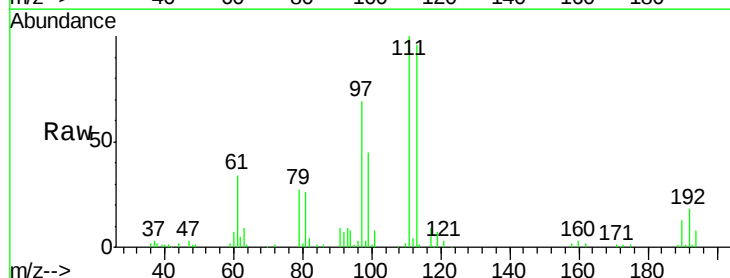
Manual Integrations
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3/30/2018 4:10:30 PM



#32
1,1,1-Trichloroethane
Concen: 20.72 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.1	78.1
61	46.4	36.2	54.4





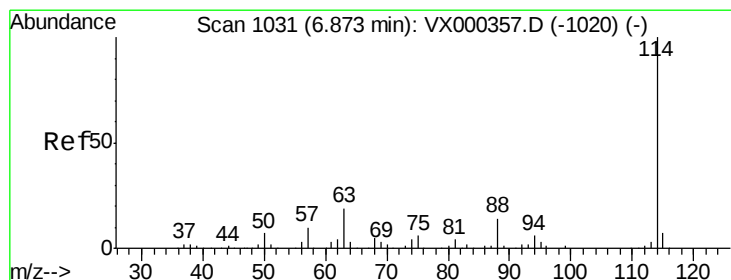
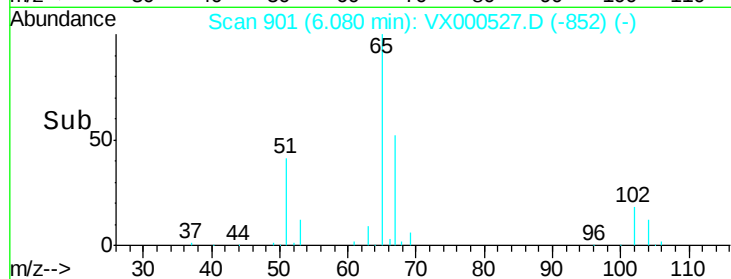
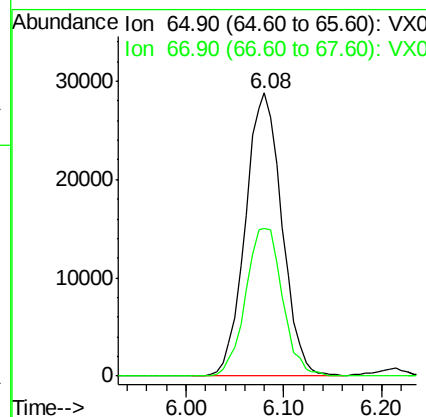
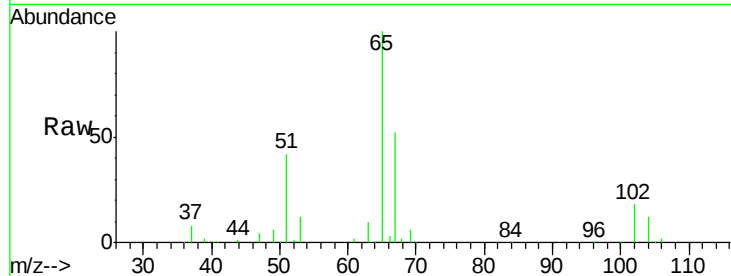
#33
 1,2-Dichloroethane-d4
 Concen: 51.77 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	74773		
67	52.7	0.0	103.2	

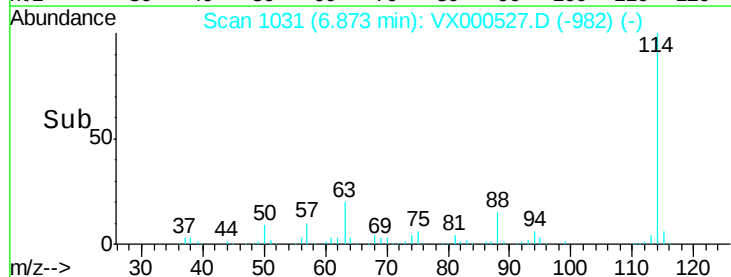
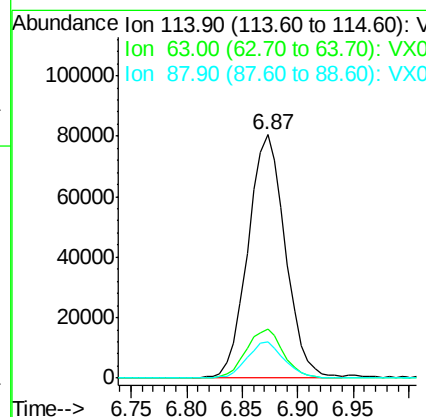
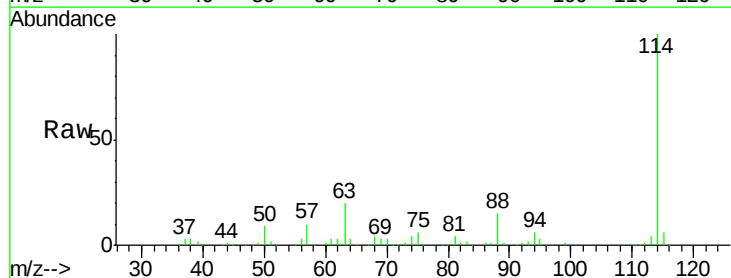
Manual Integrations
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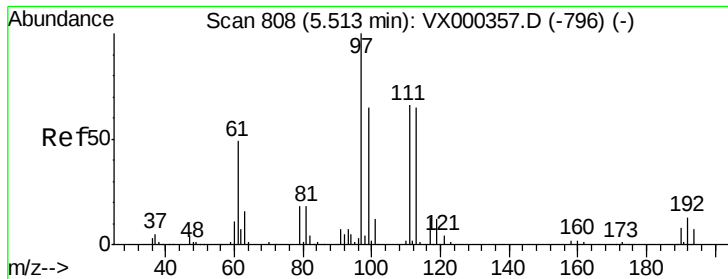
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	188099		
63	20.3	0.0	38.4	
88	14.8	0.0	27.0	





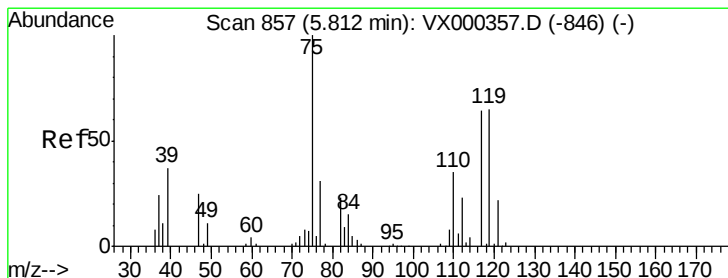
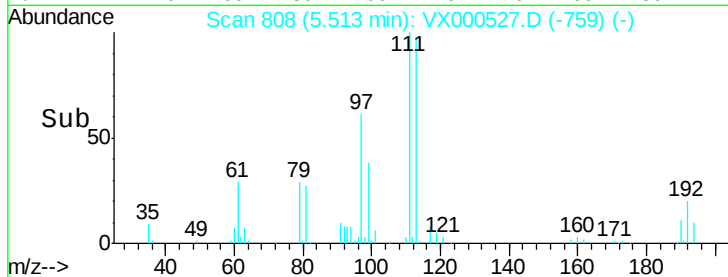
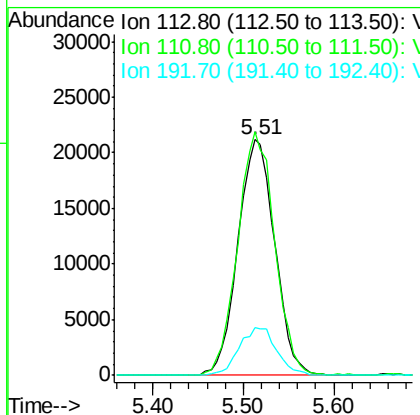
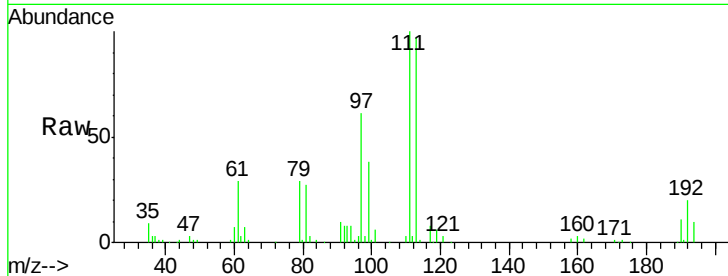
#35
 Dibromofluoromethane
 Concen: 50.22 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	20.6	15.8	23.6

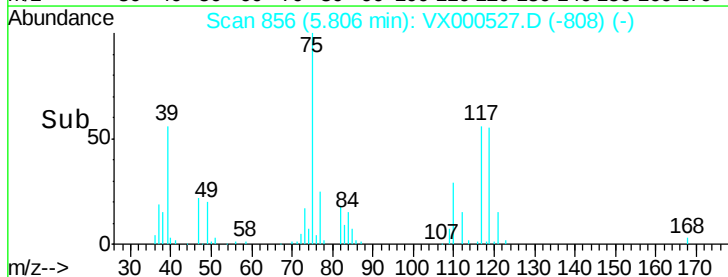
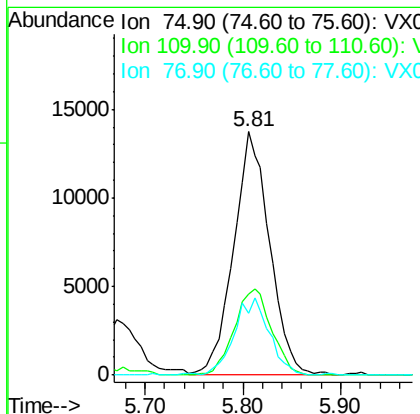
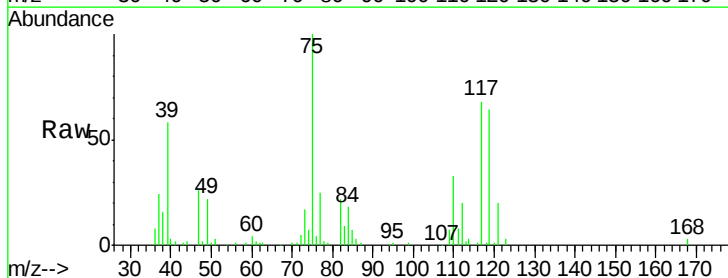
Manual Integrations
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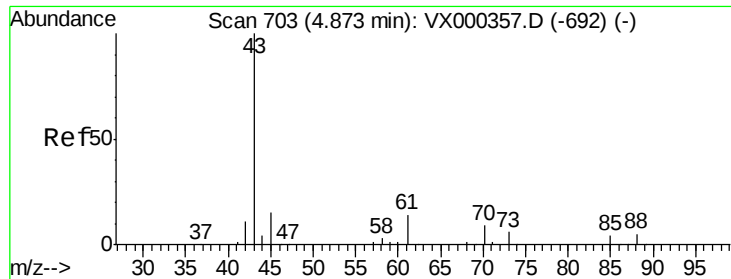
sam
 3/30/2018 4:10:30 PM



#36
 1,1-Dichloropropene
 Concen: 19.94 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.7
77	31.1	24.0	36.0





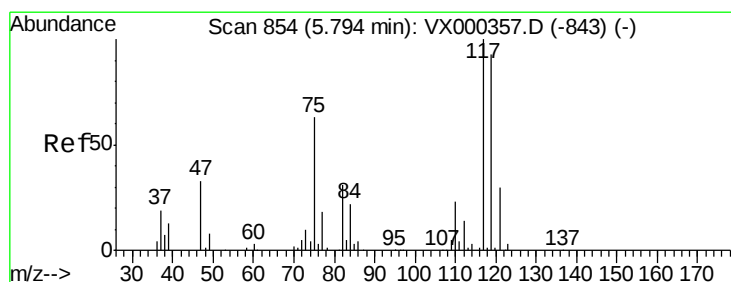
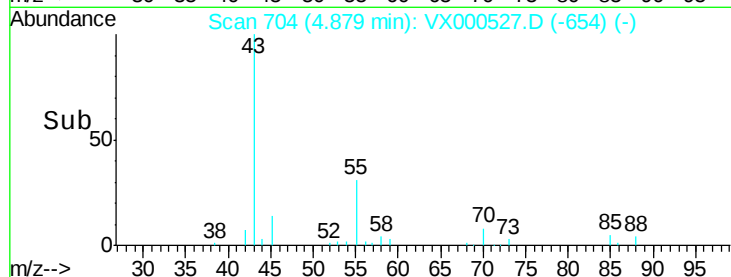
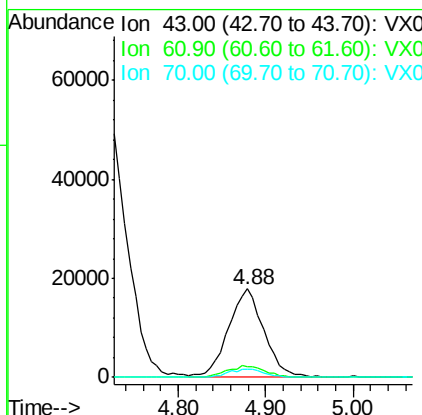
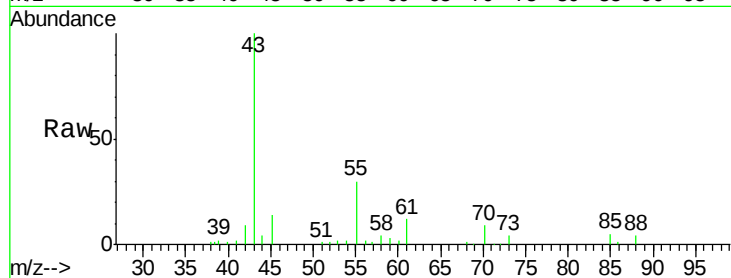
#37
Ethyl Acetate
Concen: 20.73 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	9.7	7.7	11.5

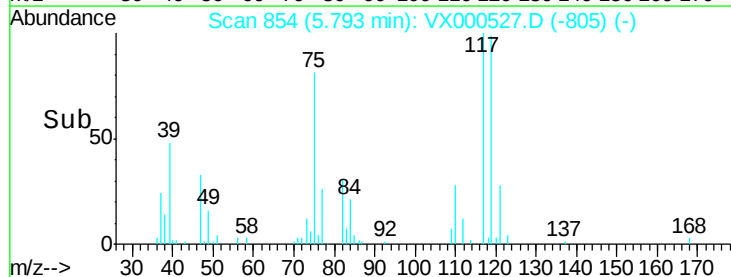
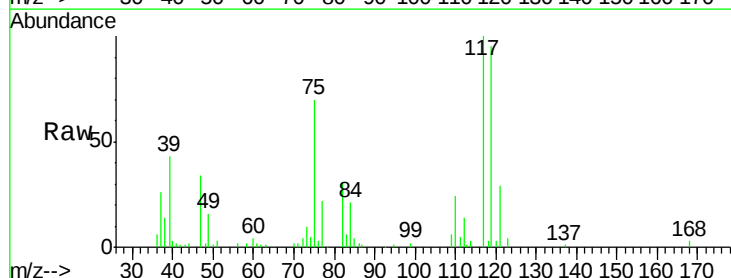
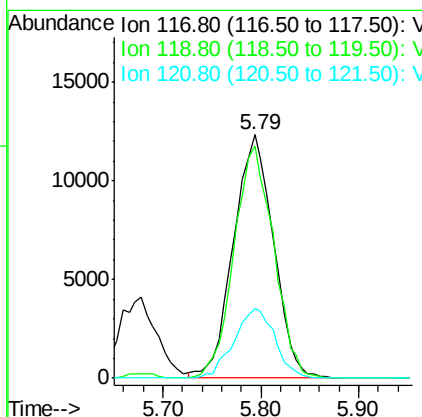
Manual Integrations
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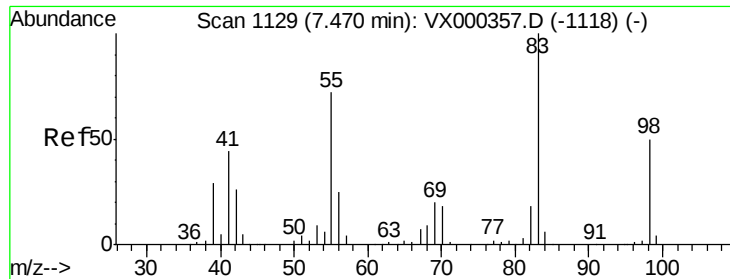
sam
3/30/2018 4:10:30 PM



#38
Carbon Tetrachloride
Concen: 18.98 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.4	116.2
121	28.7	24.8	37.2





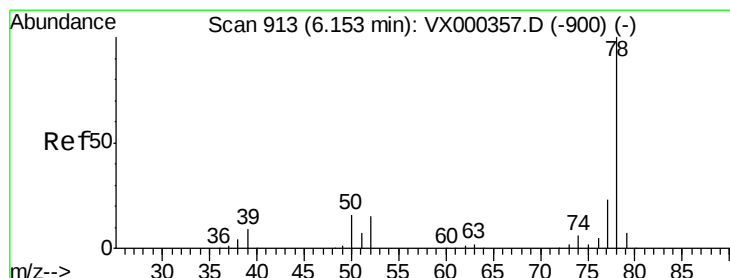
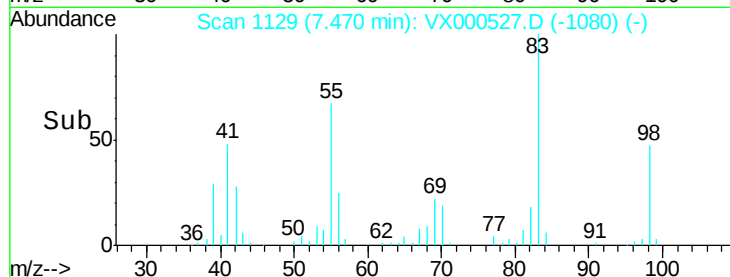
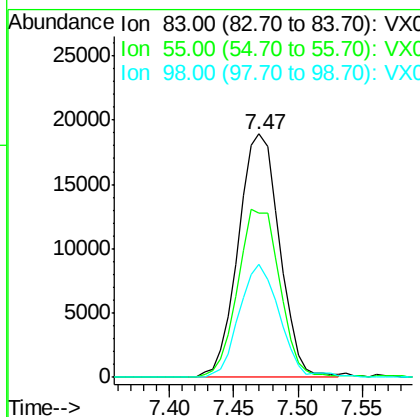
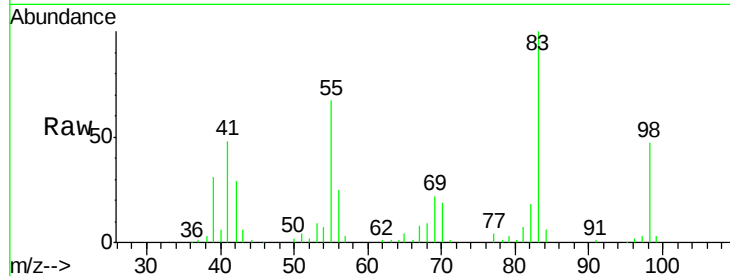
#39
Methvlcvclohexane
Concen: 19.61 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampled :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.2	55.5	83.3
98	46.6	38.2	57.4

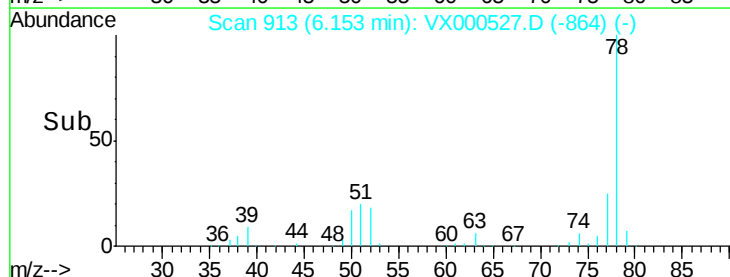
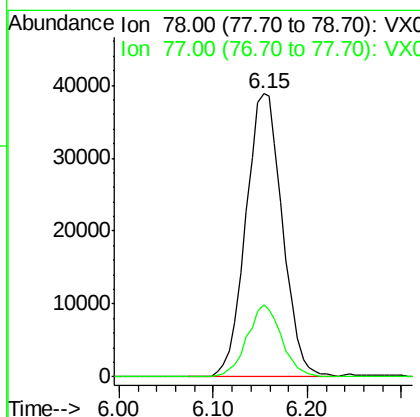
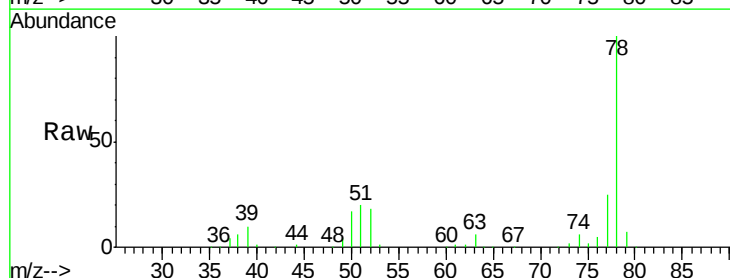
Manual Integrations
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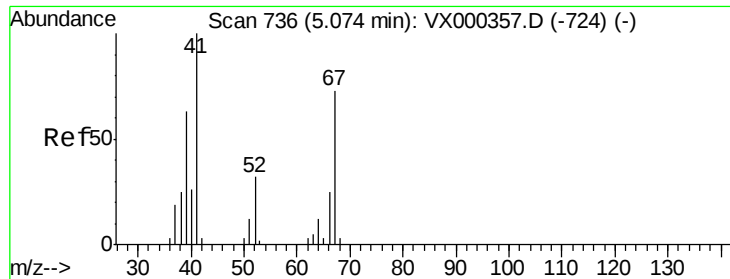
sam
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#40
Benzene
Concen: 20.67 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.7	28.1





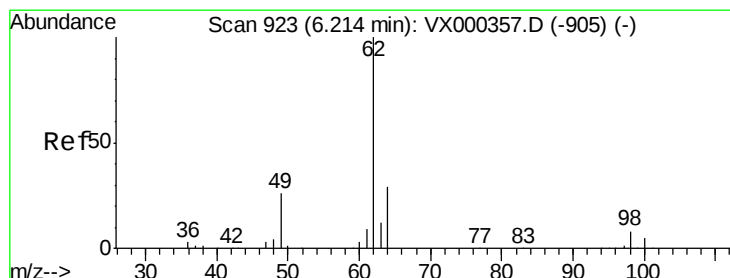
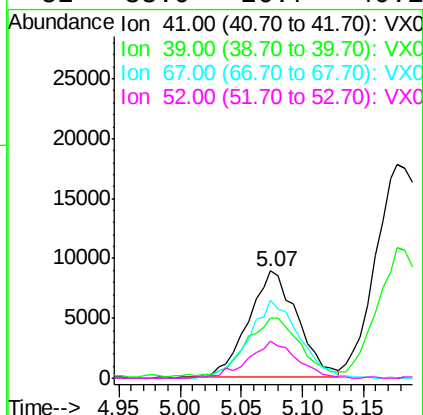
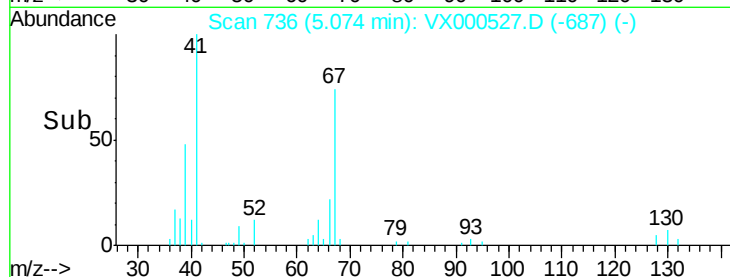
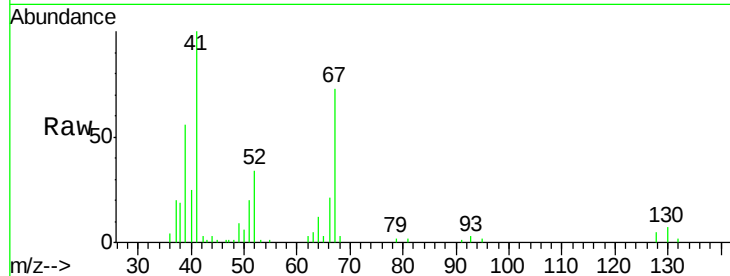
#41
Methacrylonitrile
Concen: 19.72 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampled :
VX0329WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.7	45.7	68.5	
67	74.3	57.8	86.8	
52	33.9	26.7	40.1	

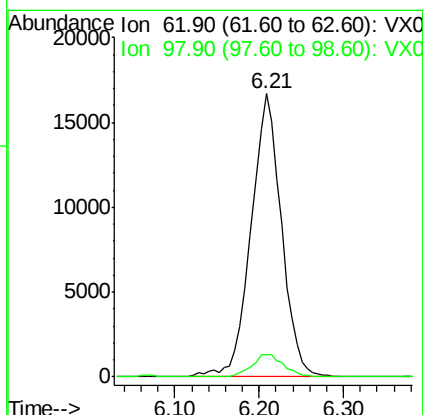
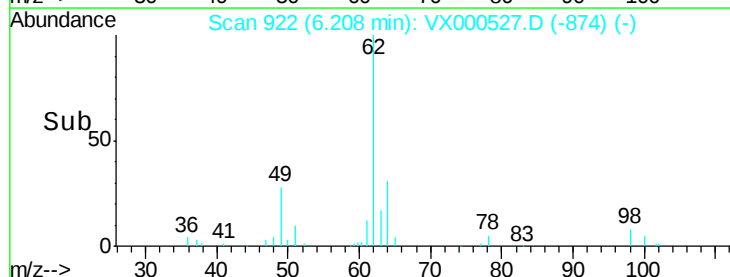
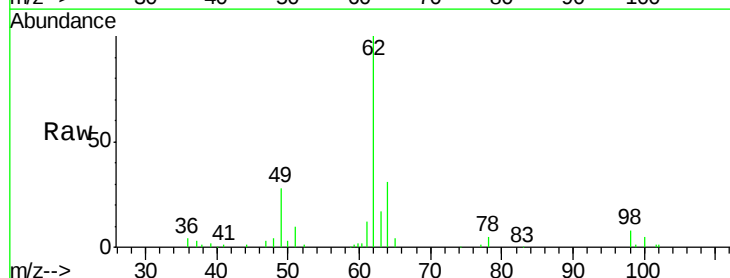
Manual Integrations
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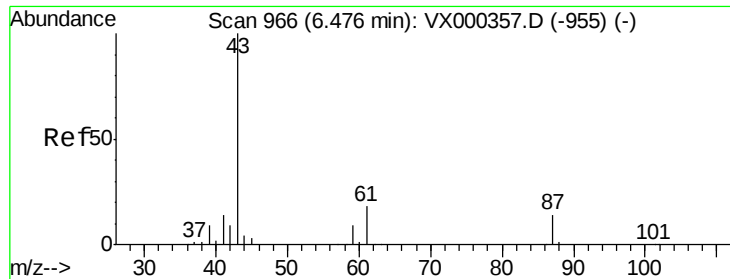
sam
3/30/2018 4:10:30 PM



#42
1,2-Dichloroethane
Concen: 20.43 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	15.8	





#43

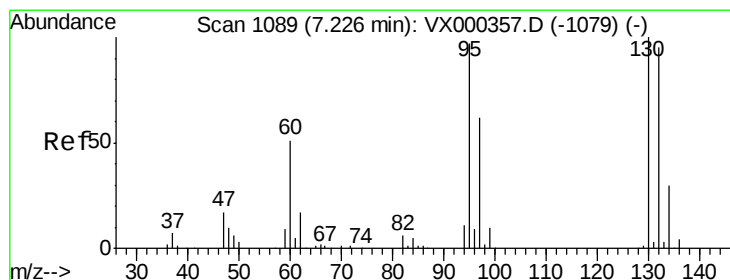
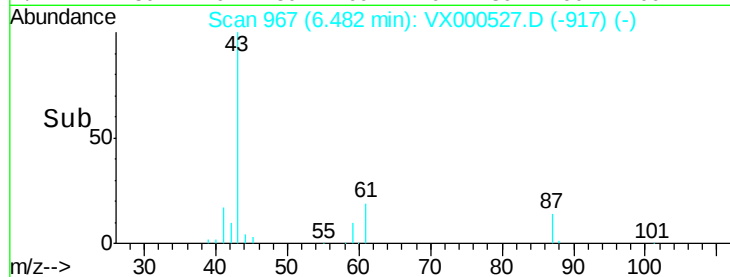
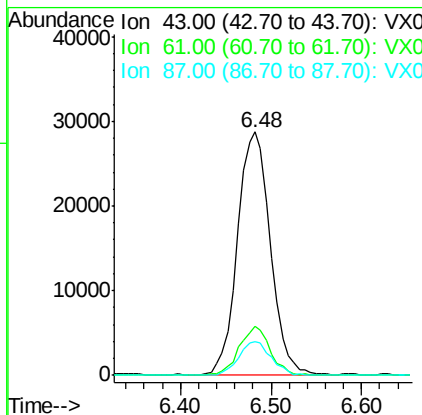
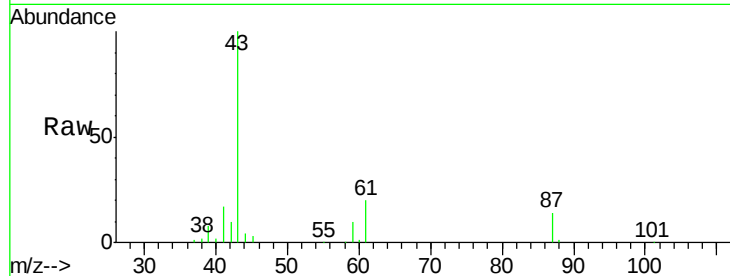
Isopropyl Acetate
 Concen: 20.26 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.4	21.6
87	13.6	11.0	16.4

Manual Integrations
 APPROVED

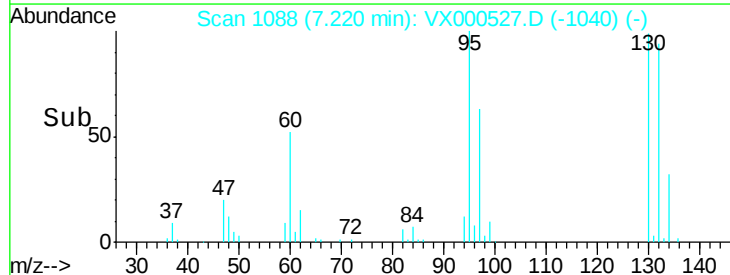
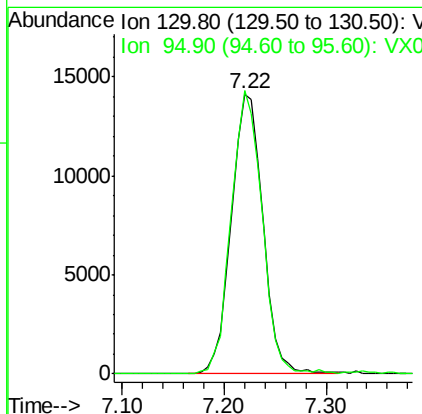
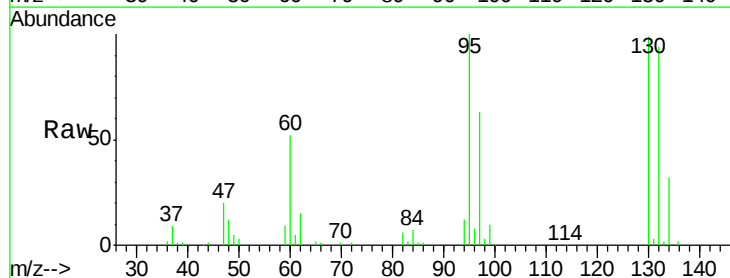
sam
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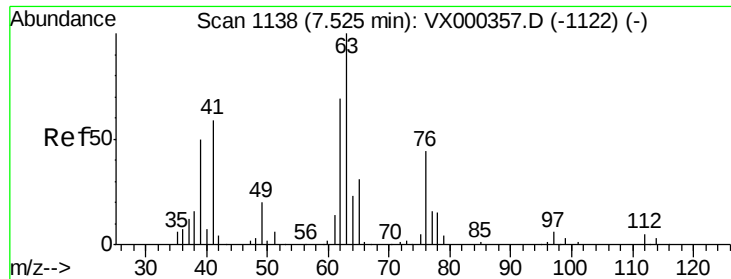


#44

Trichloroethene
 Concen: 20.68 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	186.0





#45

1,2-Dichloropropane

Concen: 21.71 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion: 63 Resp: 28433

Ion Ratio Lower Upper

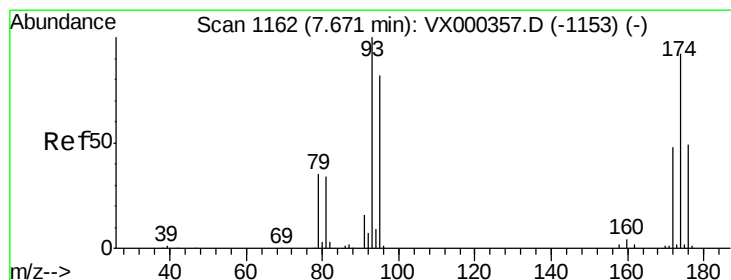
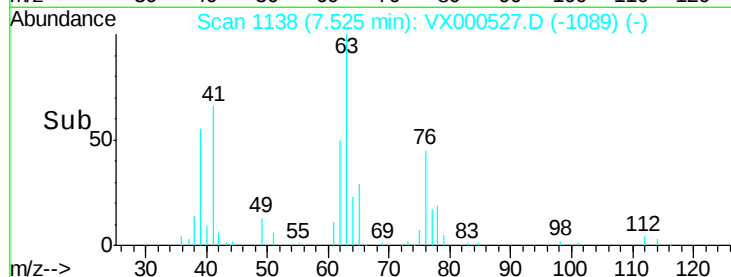
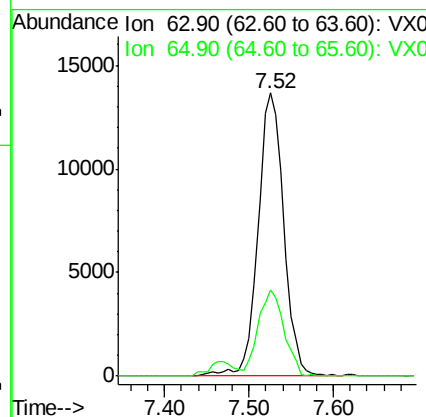
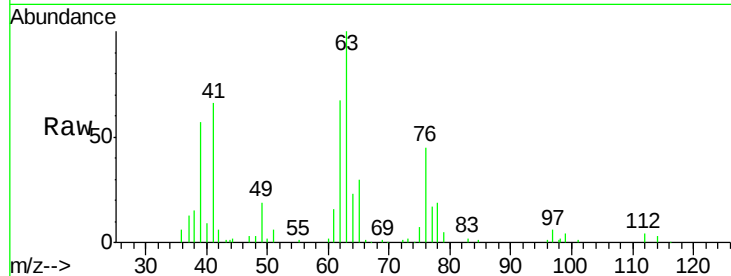
63 100

65 30.5 24.6 36.8

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#46

Dibromomethane

Concen: 20.24 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

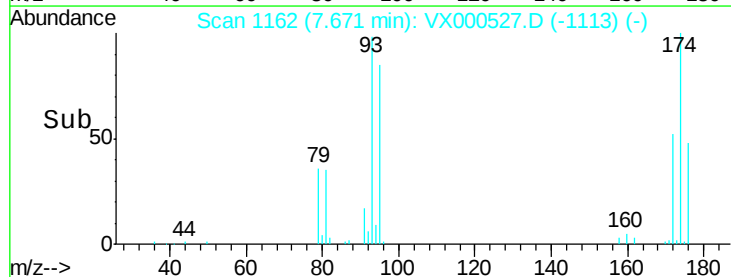
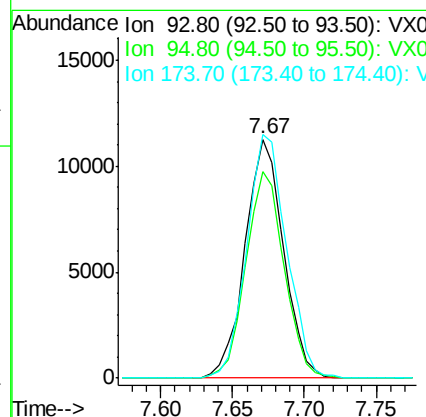
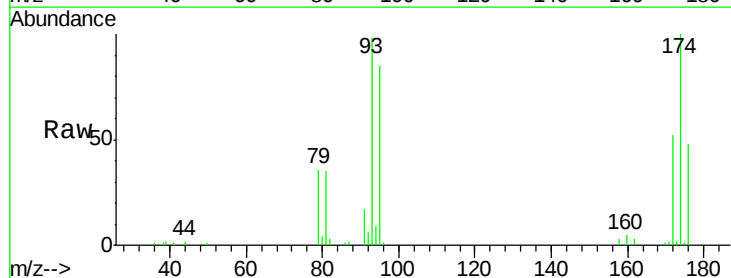
Tgt Ion: 93 Resp: 20803

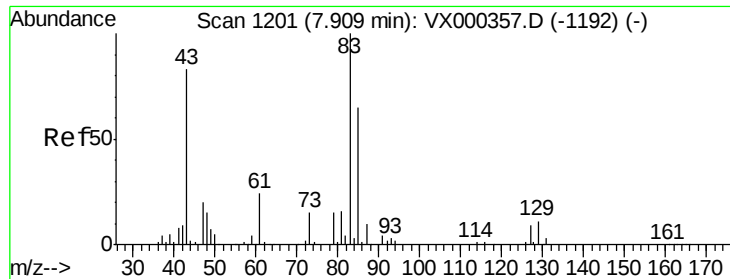
Ion Ratio Lower Upper

93 100

95 86.0 66.5 99.7

174 105.6 76.0 114.0





#47

Bromodichloromethane

Concen: 21.17 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

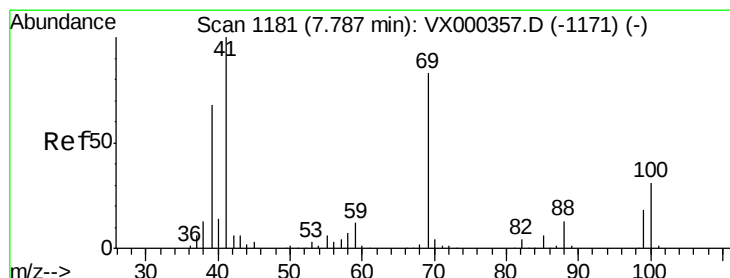
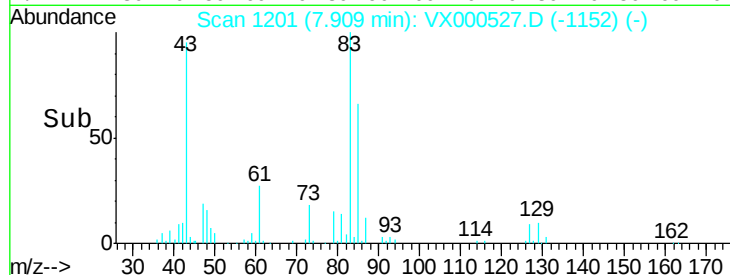
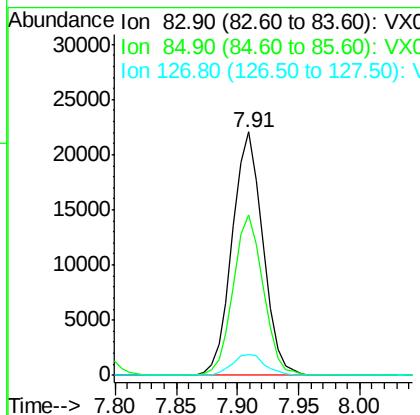
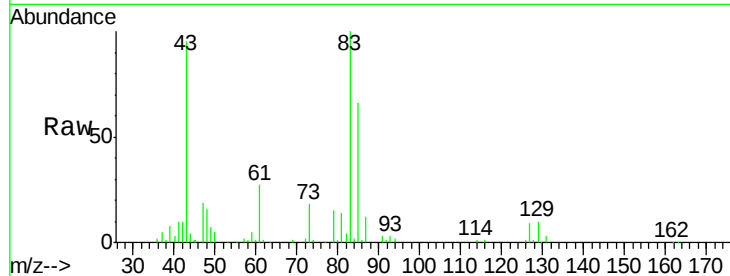
VX0329WBSD01

Tot Ion:	83	Resp:	38288
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.0
127	8.7	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.35 ug/l

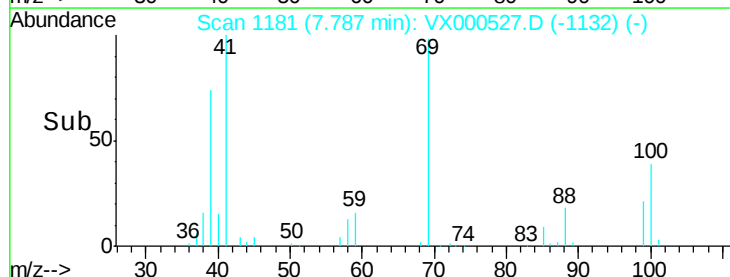
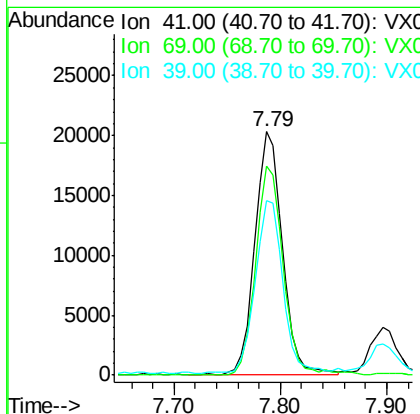
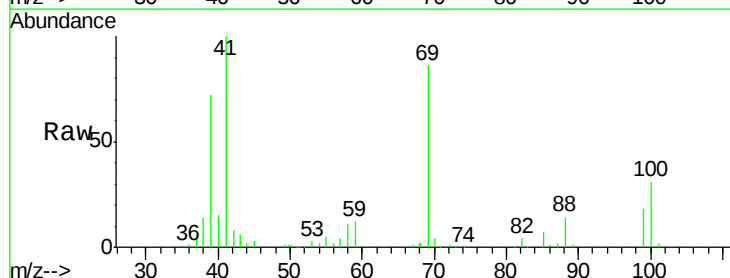
RT: 7.79 min Scan# 1181

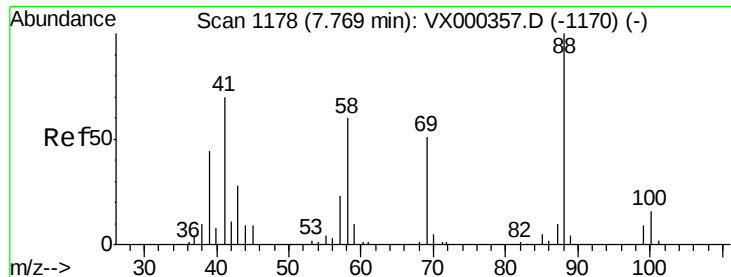
Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Tgt Ion:	41	Resp:	37142
Ion	Ratio	Lower	Upper
41	100		
69	85.6	68.2	102.4
39	70.6	54.6	81.8





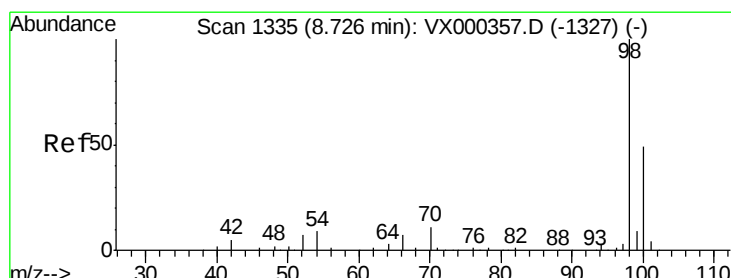
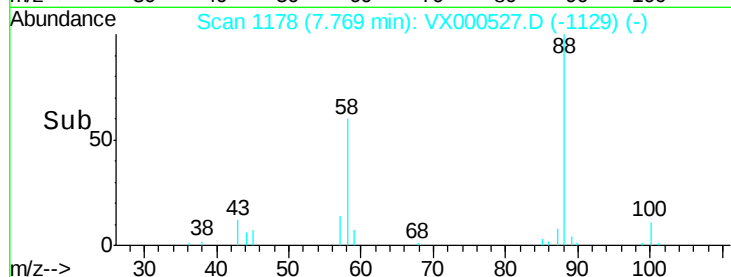
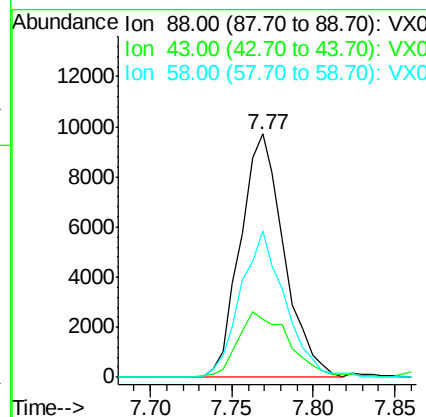
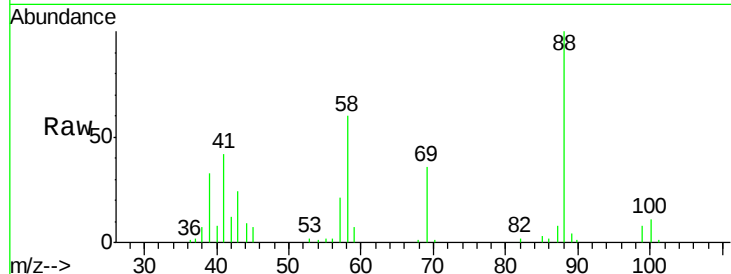
#49
1,4-Dioxane
Concen: 494.92 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.8	40.2
58	61.4	52.2	78.2

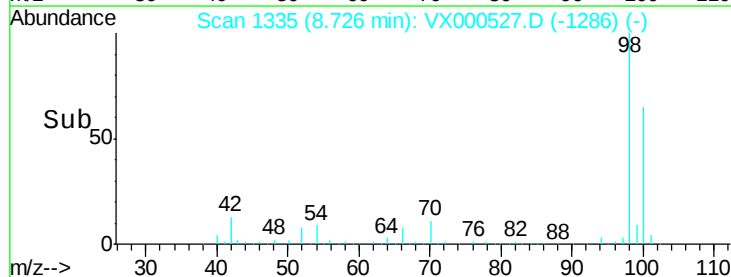
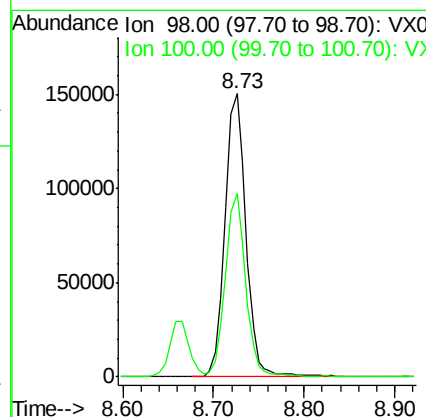
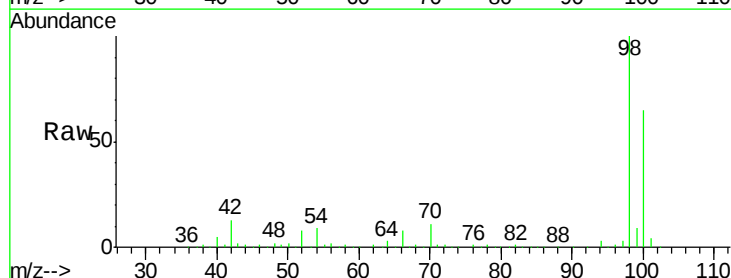
Manual Integrations
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#50
Toluene-d8
Concen: 49.71 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 111.07 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion: 43 Resp: 307990

Ion Ratio Lower Upper

43 100

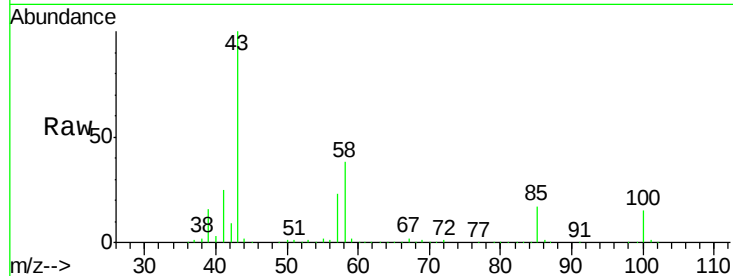
58 36.8 30.3 45.5

Manual Integrations

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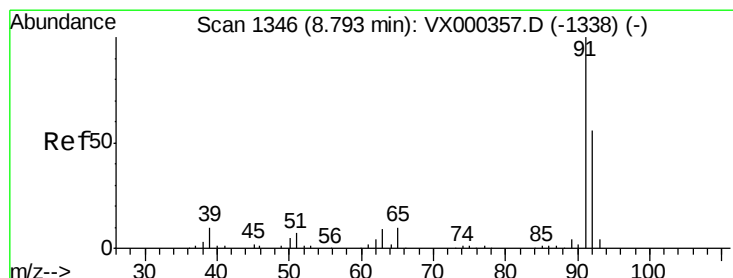
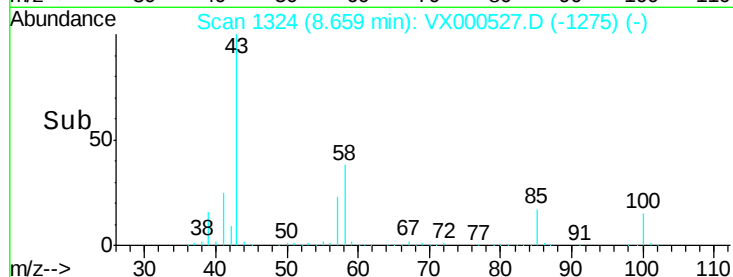
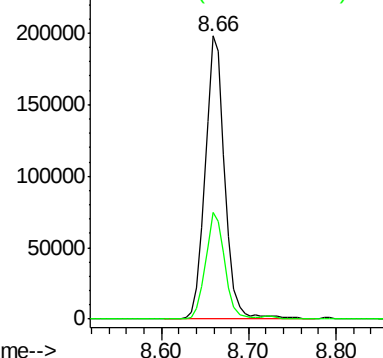
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.06 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000527.D

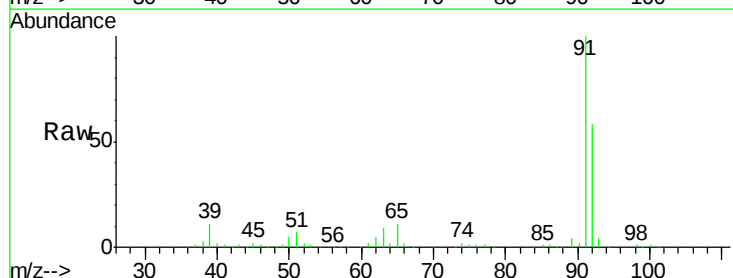
Acq: 29 Mar 2018 21:31

Tgt Ion: 92 Resp: 71763

Ion Ratio Lower Upper

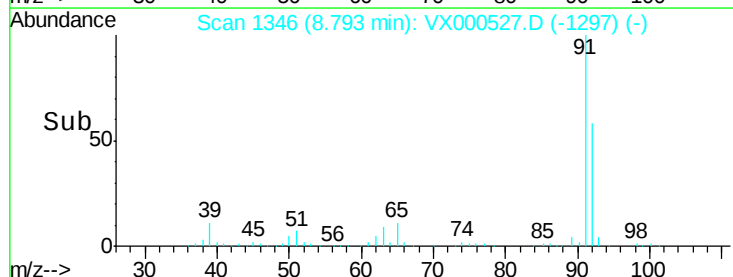
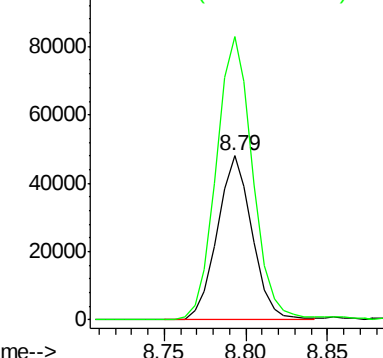
92 100

91 181.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





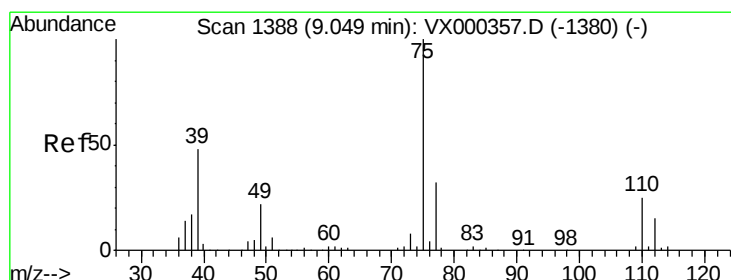
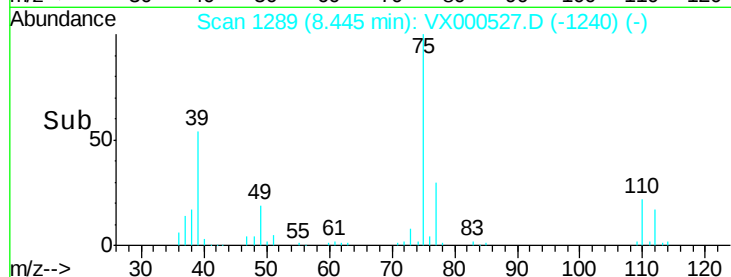
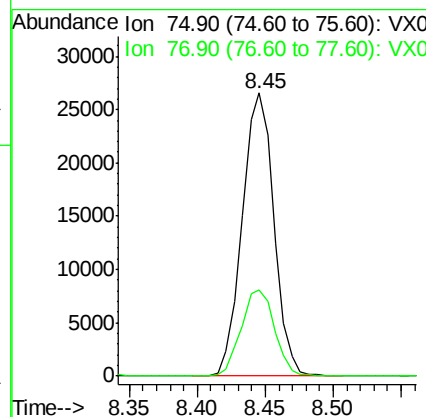
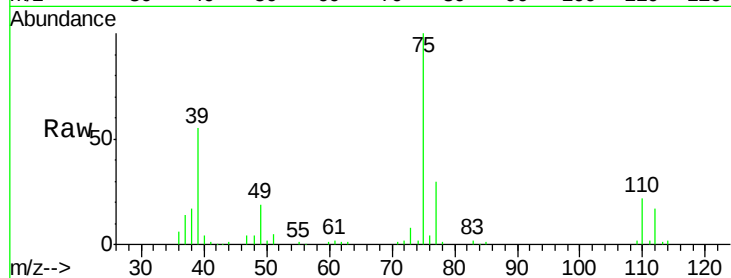
#53
 t-1,3-Dichloropropene
 Concen: 20.60 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBSD01

Tot Ion: 75 Resp: 43185
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.0 36.0

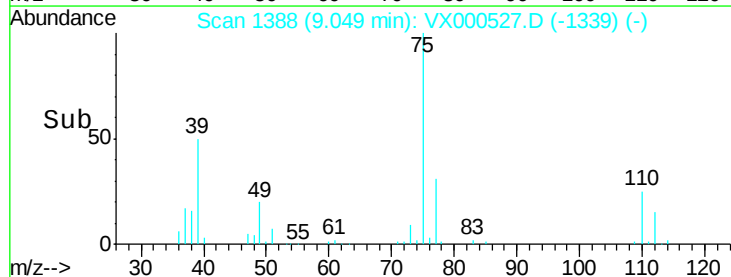
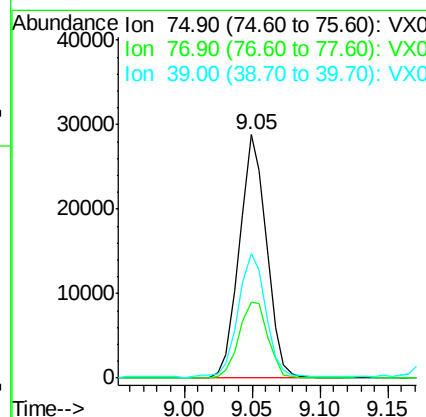
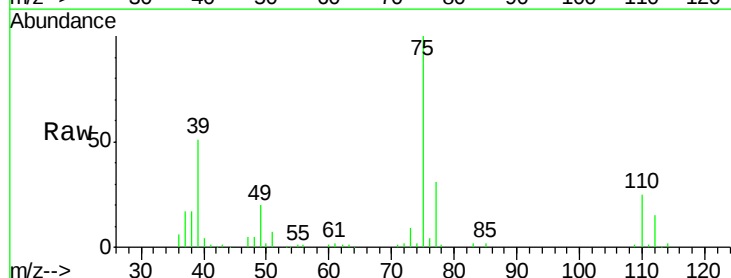
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#54
 cis-1,3-Dichloropropene
 Concen: 19.73 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Tgt Ion: 75 Resp: 40115
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.1 39.1
 39 50.5 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 21.60 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion: 97 Resp: 31771

Ion Ratio Lower Upper

97 100

83 82.5 67.9 101.9

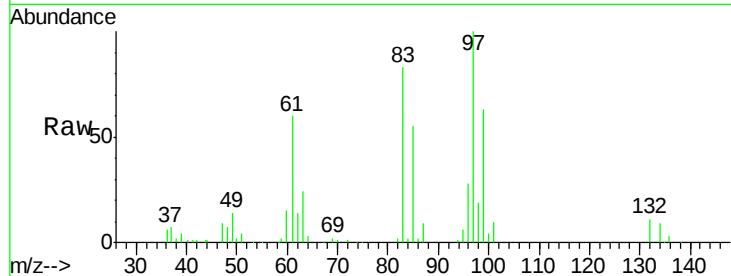
85 54.6 42.8 64.2

99 63.4 49.4 74.2

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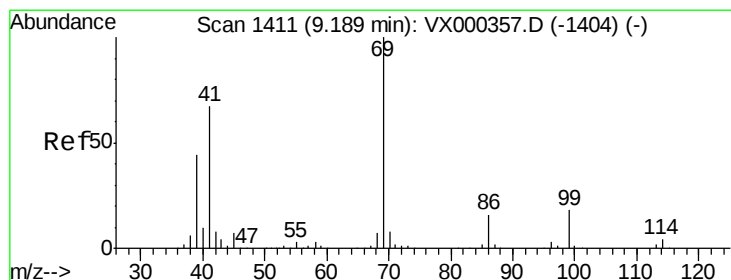
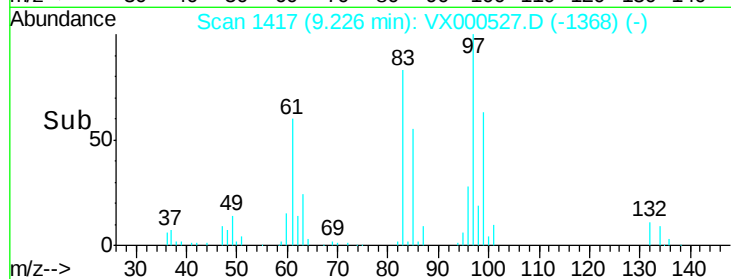
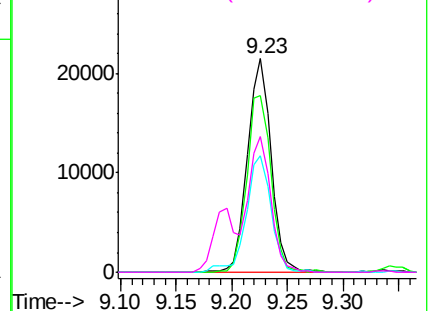


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.28 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

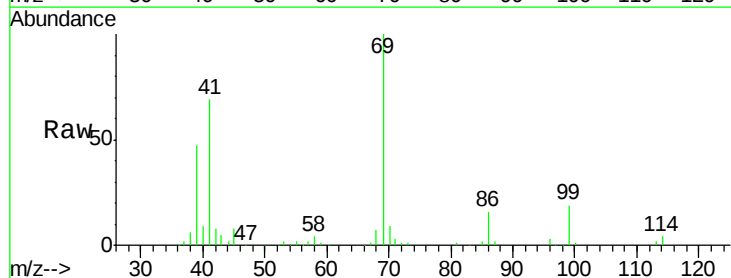
Tgt Ion: 69 Resp: 45214

Ion Ratio Lower Upper

69 100

41 69.1 53.0 79.6

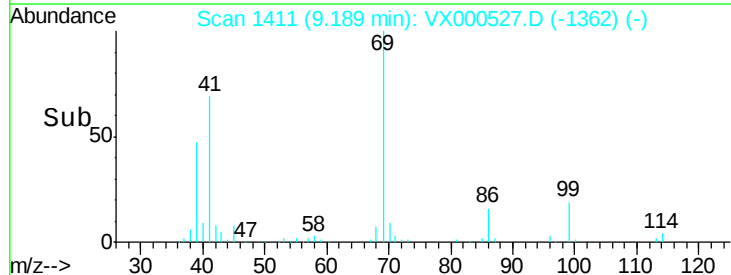
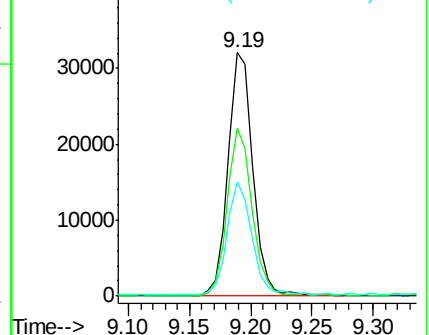
39 46.8 35.3 52.9

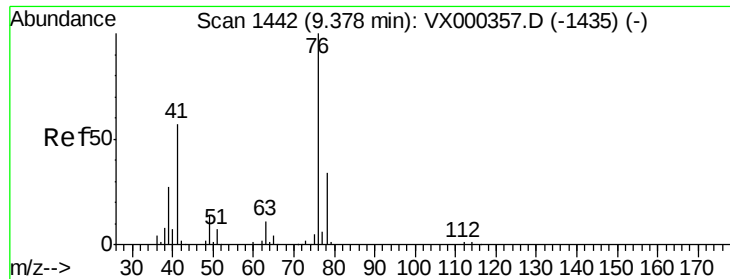


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 21.61 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampled :

VX0329WBSD01

Tot Ion: 76 Resp: 50844

Ion Ratio Lower Upper

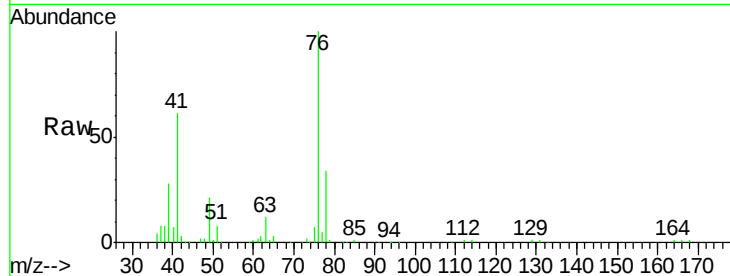
76 100

78 32.6 26.4 39.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

40000

30000

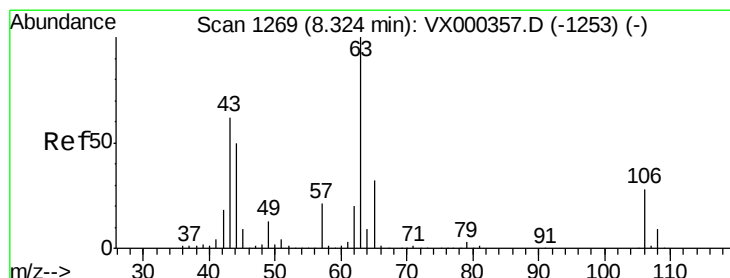
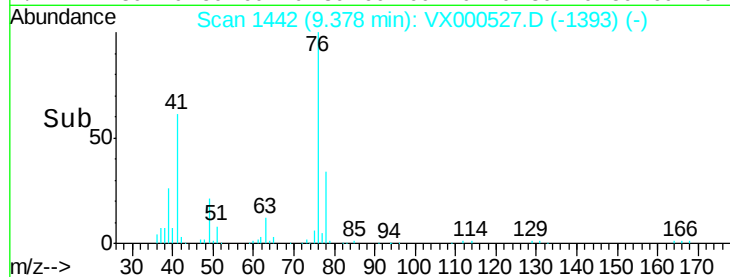
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 85.23 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000527.D

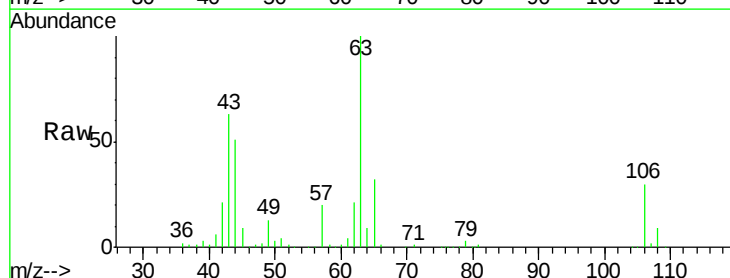
Acq: 29 Mar 2018 21:31

Tgt Ion: 63 Resp: 91178

Ion Ratio Lower Upper

63 100

106 28.2 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

60000

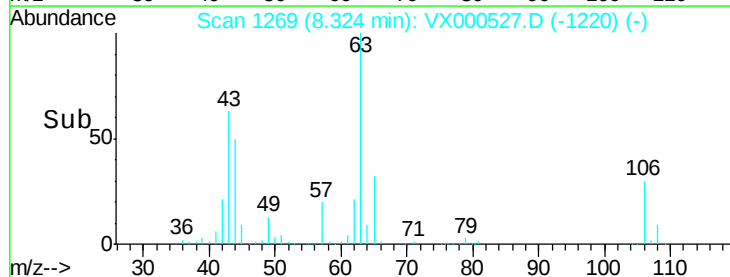
40000

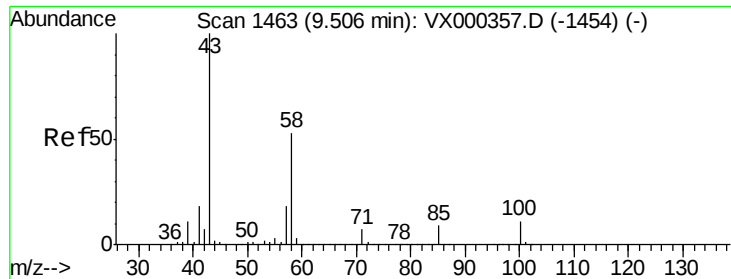
20000

0

8.25 8.30 8.35 8.40

Time-->





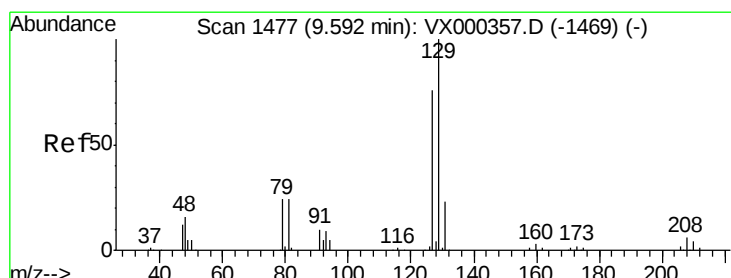
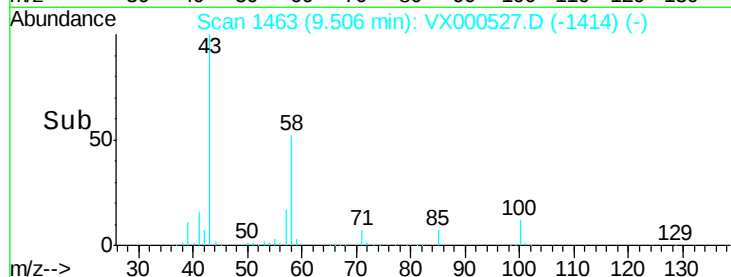
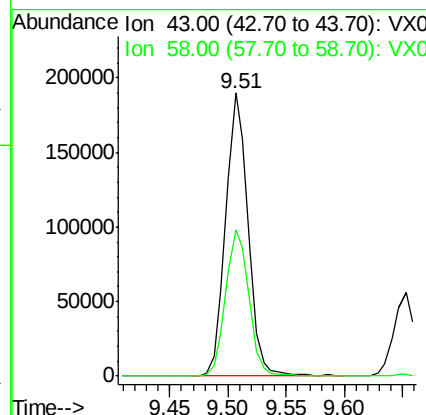
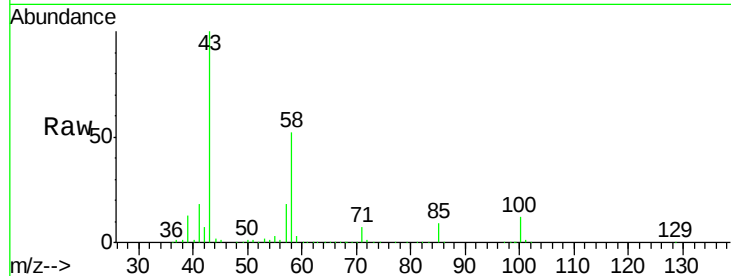
#59
2-Hexanone
Concen: 107.34 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBSD01

Tot Ion: 43 Resp: 252752
Ion Ratio Lower Upper
43 100
58 53.7 26.6 79.7

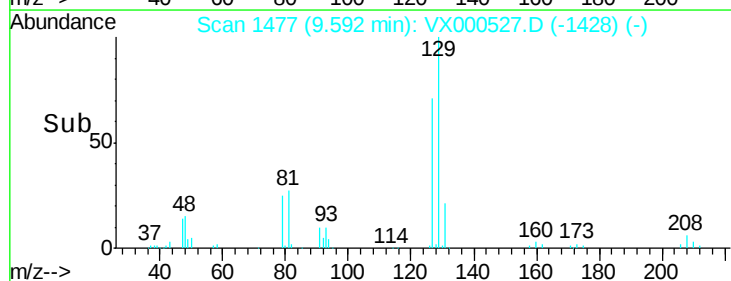
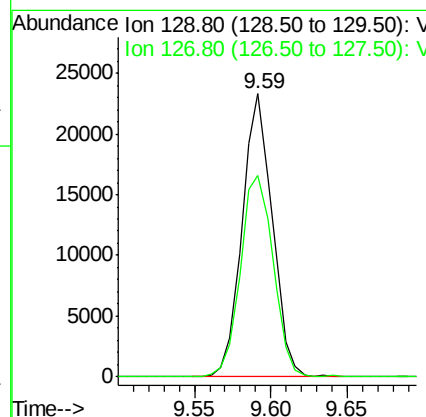
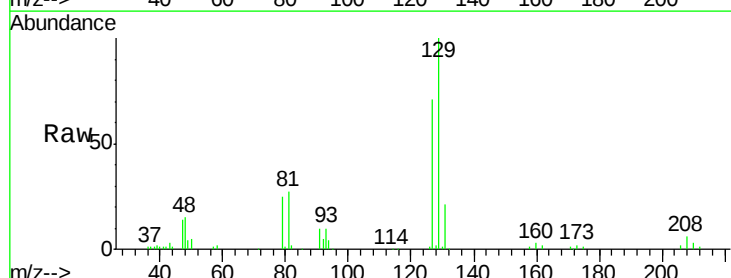
Manual Integrations
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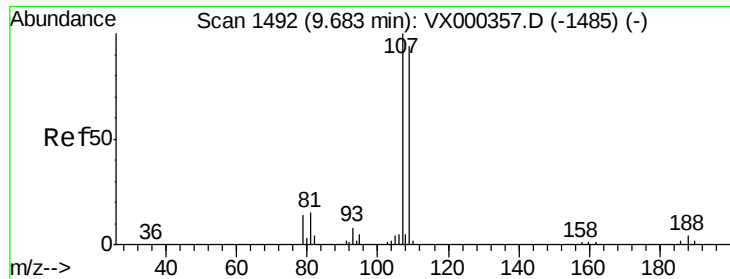
sam
3/30/2018 4:10:30 PM



#60
Dibromochloromethane
Concen: 20.86 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion:129 Resp: 31763
Ion Ratio Lower Upper
129 100
127 77.8 37.9 113.6





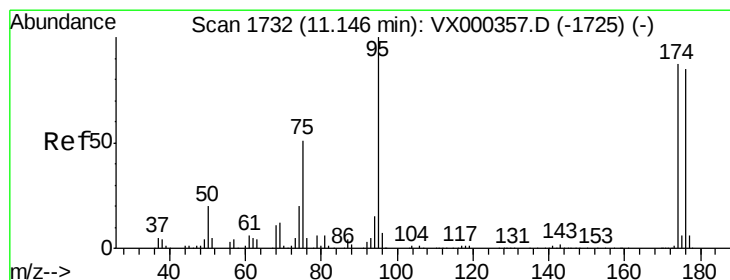
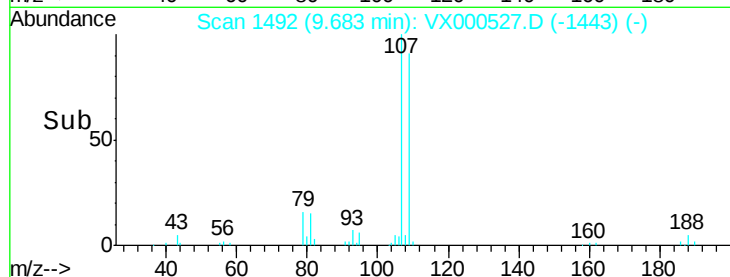
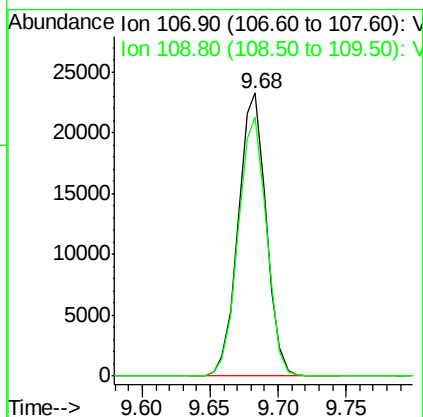
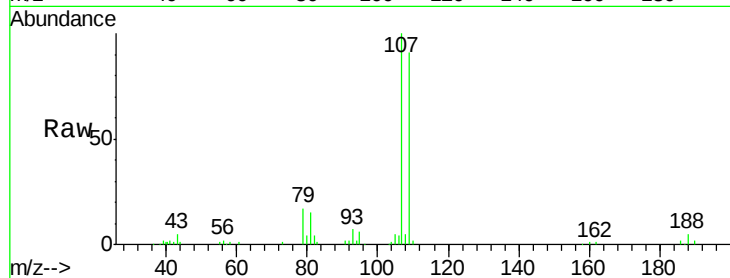
#61
 1,2-Dibromoethane
 Concen: 21.07 ug/l
 RT: 9.68 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Instrument :
 MSVOA_X
 ClientSampled :
 VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	76.1	114.1

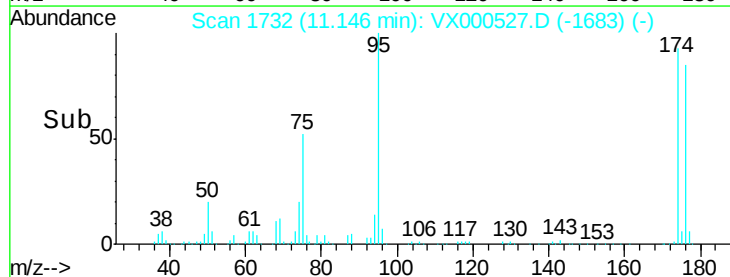
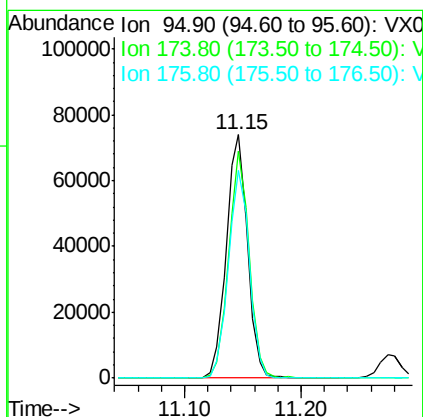
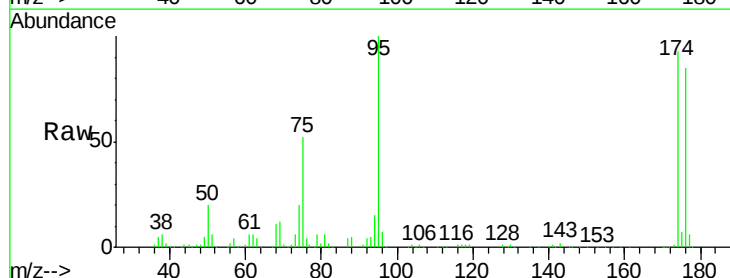
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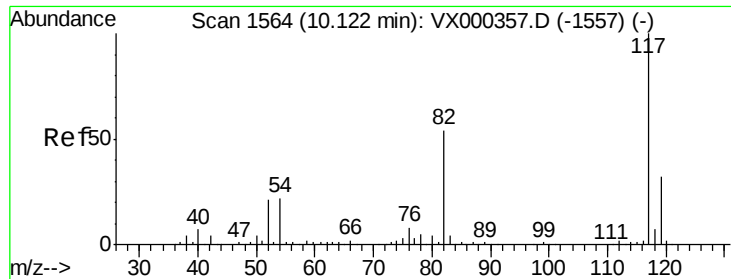
sam
 3/30/2018 4:10:30 PM



#62
 4-Bromofluorobenzene
 Concen: 45.51 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	173.6
176	85.1	0.0	164.6





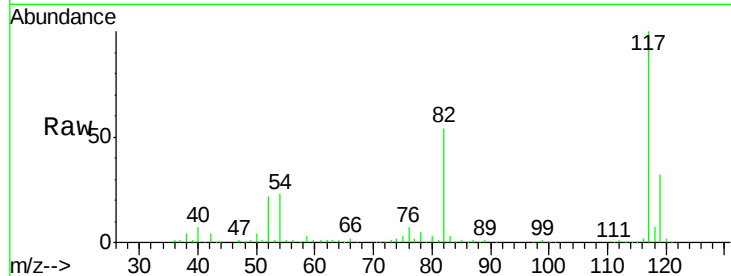
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.8	65.8
119	31.6	24.9	37.3

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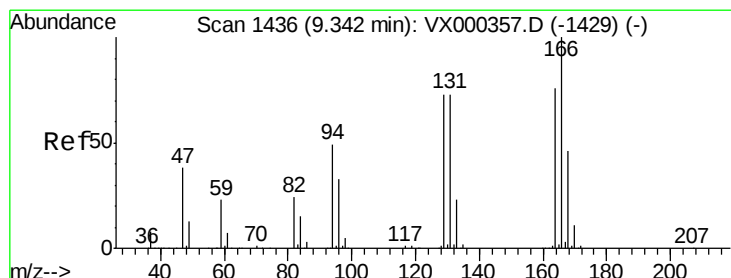
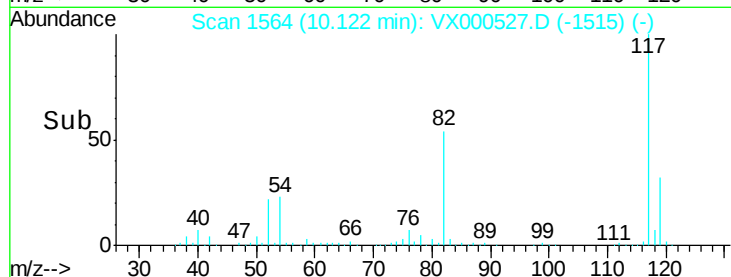
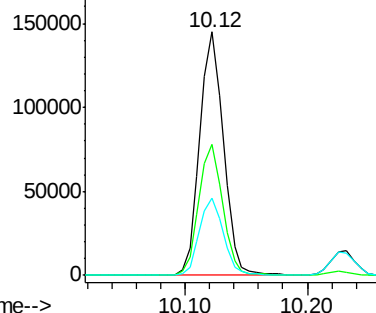


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.79 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.0	151.6
129	89.6	79.0	118.4
131	96.9	71.9	107.9

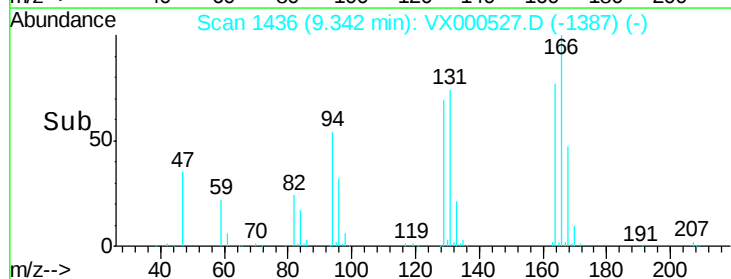
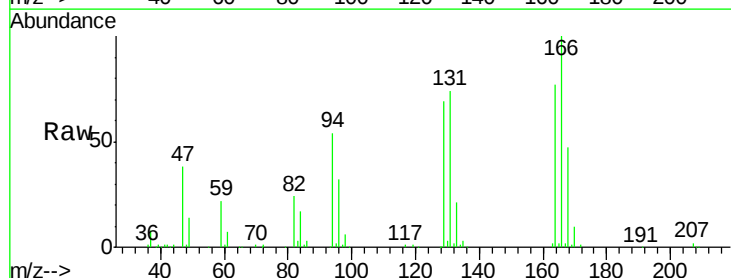
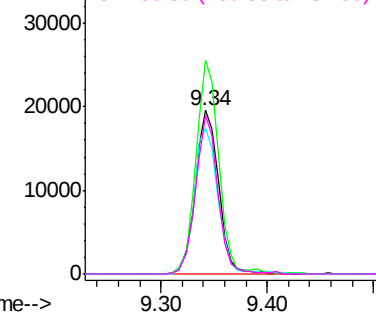
Abundance

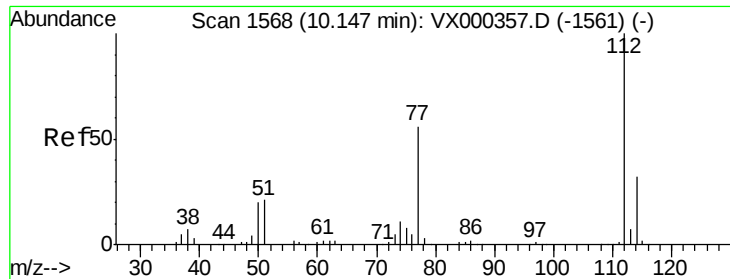
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





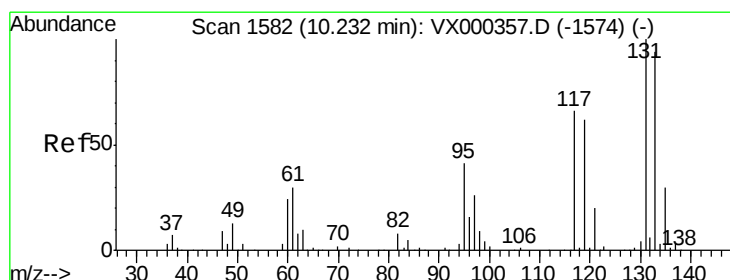
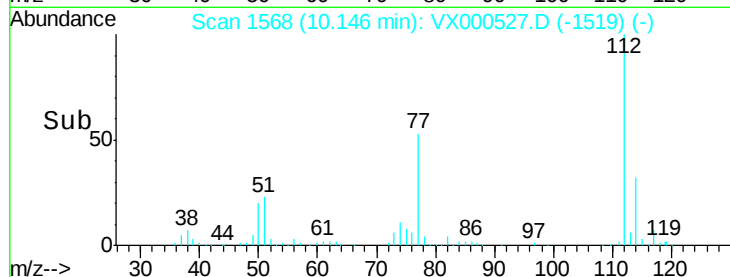
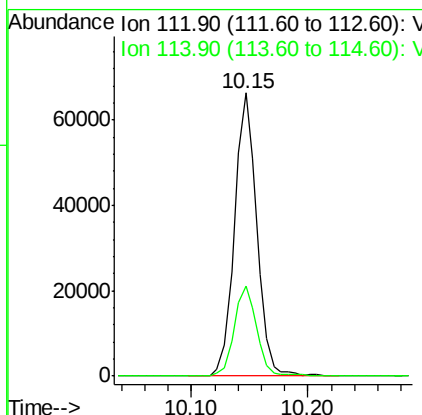
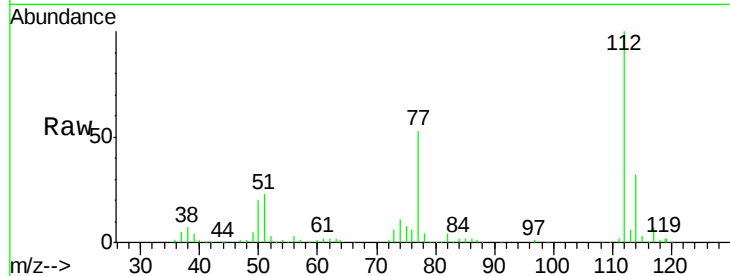
#65
Chlorobenzene
Concen: 20.42 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBSD01

Tot Ion:112 Resp: 88812
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

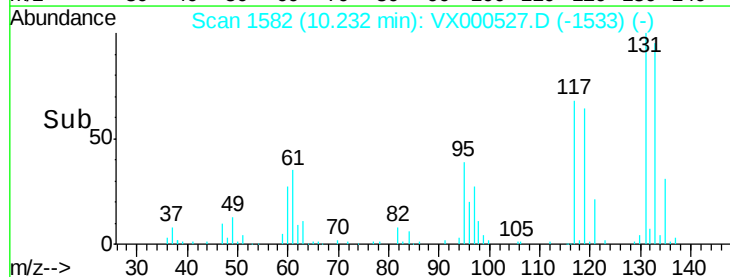
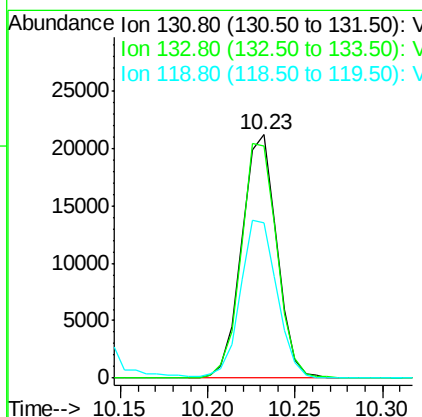
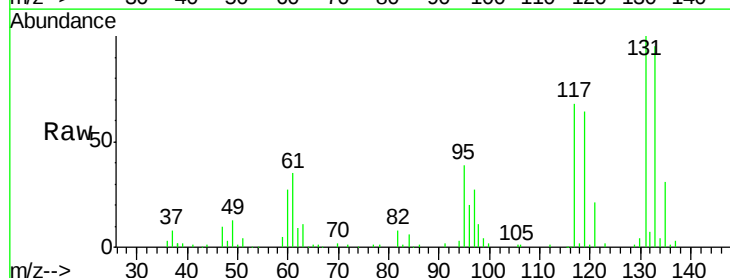
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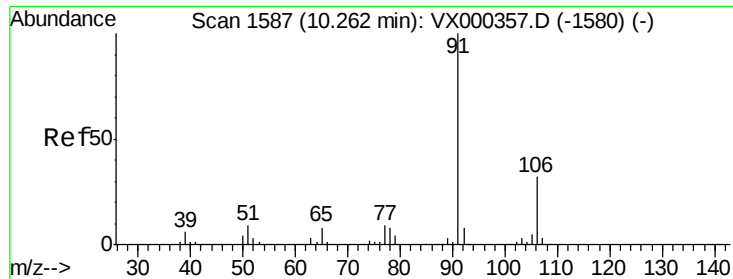
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.13 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion:131 Resp: 29728
Ion Ratio Lower Upper
131 100
133 97.9 47.1 141.3
119 67.4 33.1 99.2





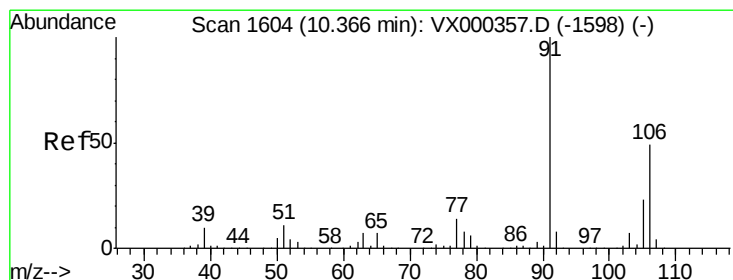
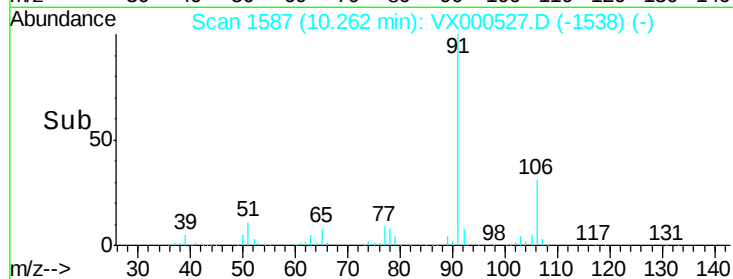
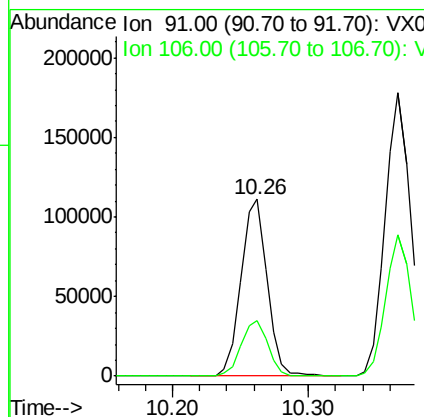
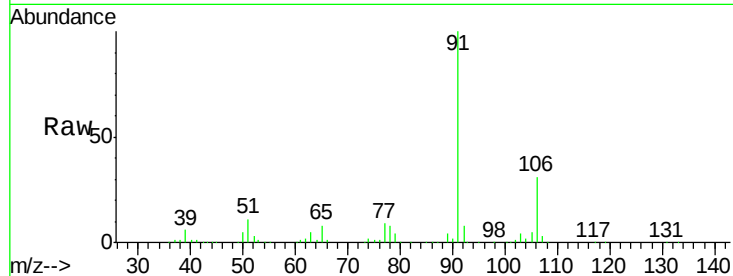
#67
Ethyl Benzene
Concen: 20.25 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampled :
VX0329WBSD01

Tot Ion: 91 Resp: 149316
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

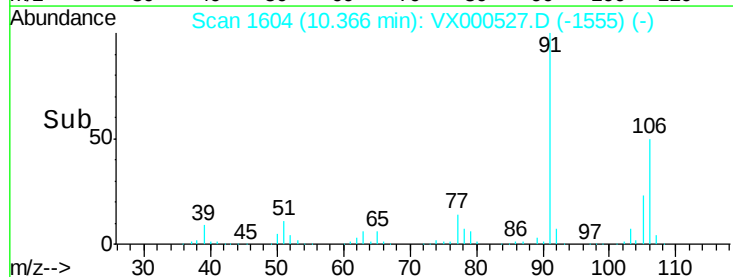
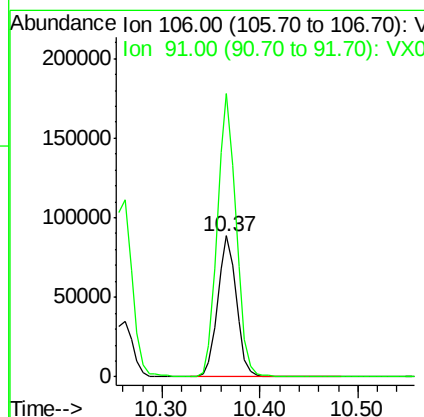
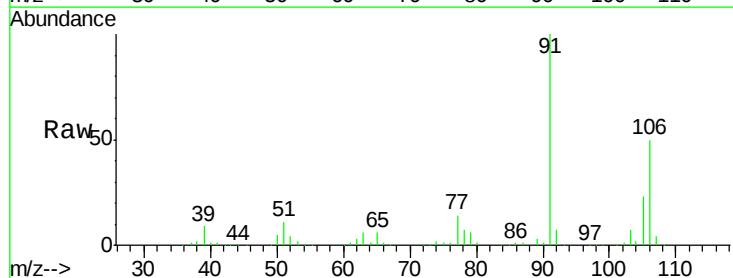
Manual Integrations
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#68
m/p-Xylenes
Concen: 40.49 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion: 106 Resp: 117451
Ion Ratio Lower Upper
106 100
91 201.4 163.4 245.2





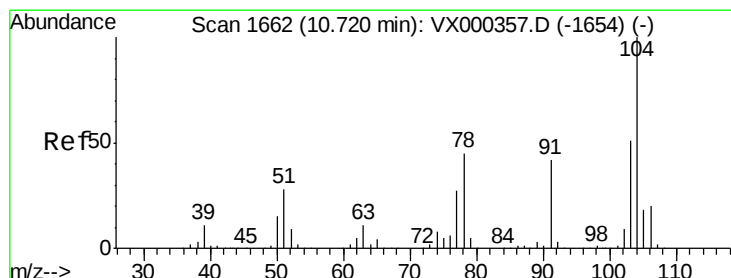
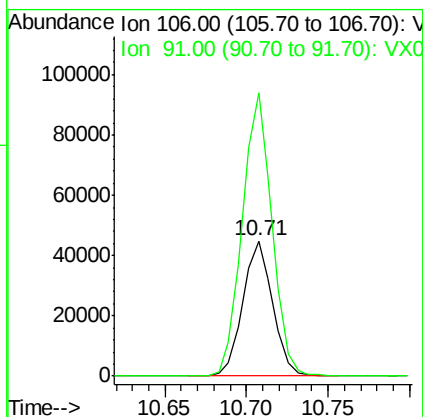
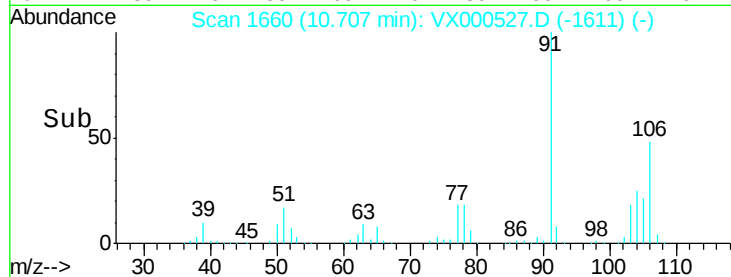
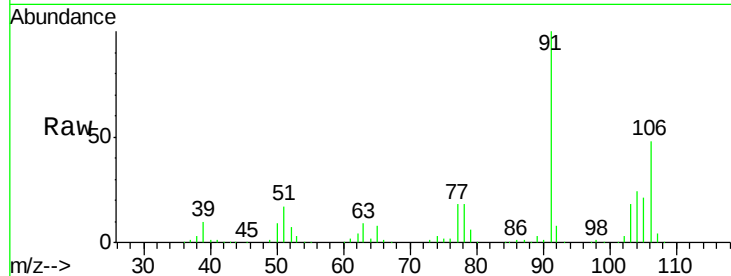
#69
o-Xylene
Concen: 20.33 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampled :
VX0329WBSD01

Tot Ion:106 Resp: 57102
Ion Ratio Lower Upper
106 100
91 209.1 106.5 319.6

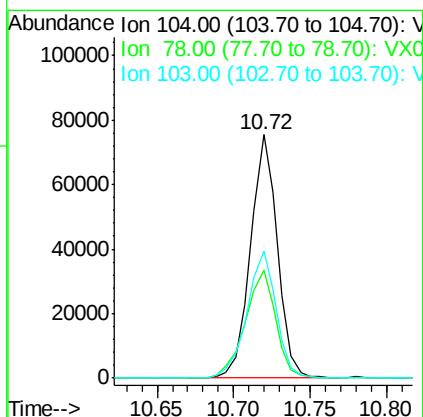
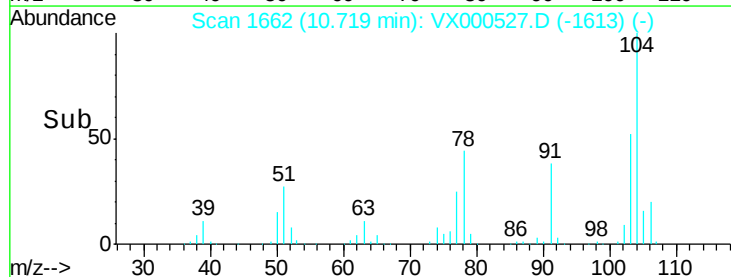
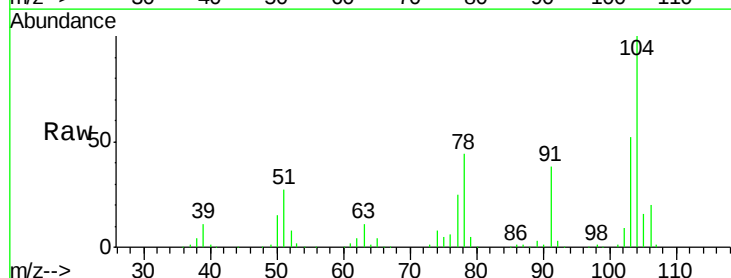
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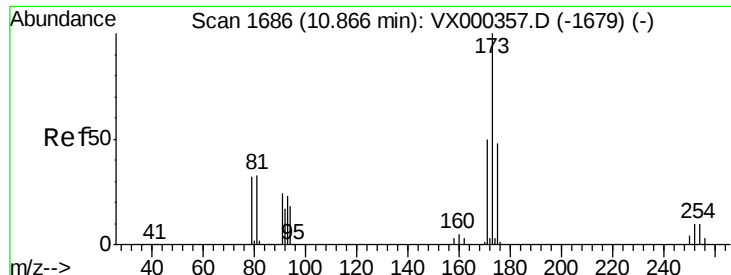
sam
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#70
Styrene
Concen: 19.91 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion:104 Resp: 92520
Ion Ratio Lower Upper
104 100
78 50.4 40.5 60.7
103 56.6 45.7 68.5





#71

Bromoform

Concen: 18.61 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion:173 Resp: 23542

Ion Ratio Lower Upper

173 100

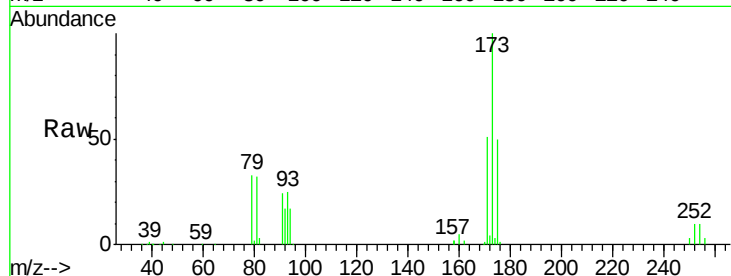
175 51.6 25.4 76.4

254 0.0 0.0 0.0

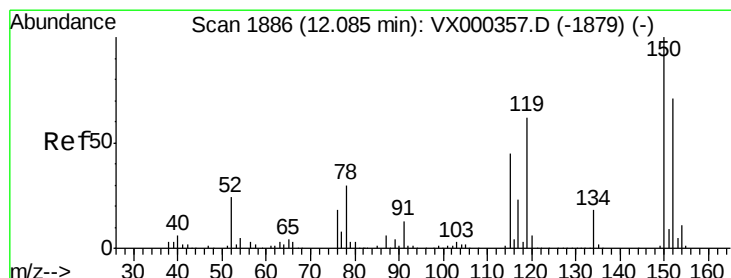
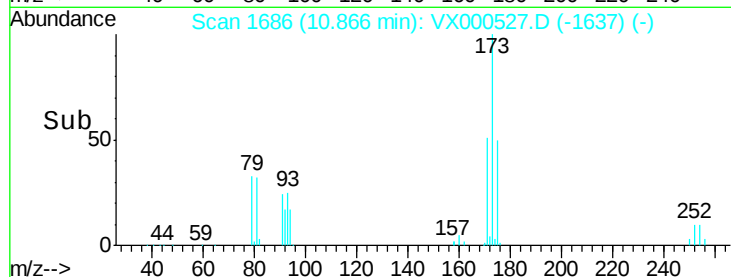
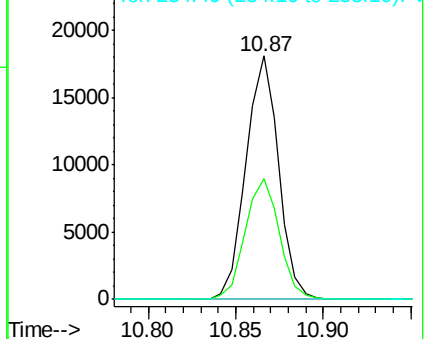
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

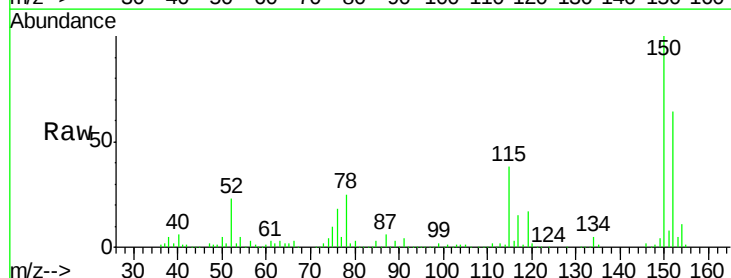
Tgt Ion:152 Resp: 111364

Ion Ratio Lower Upper

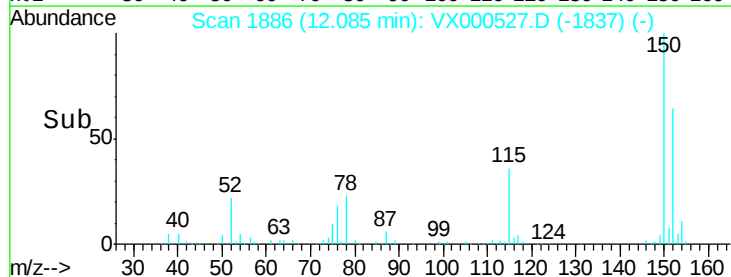
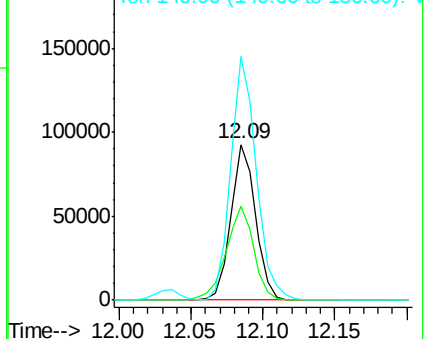
152 100

115 67.5 39.8 119.3

150 163.4 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.95 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion: 105 Resp: 154614

Ion Ratio Lower Upper

105 100

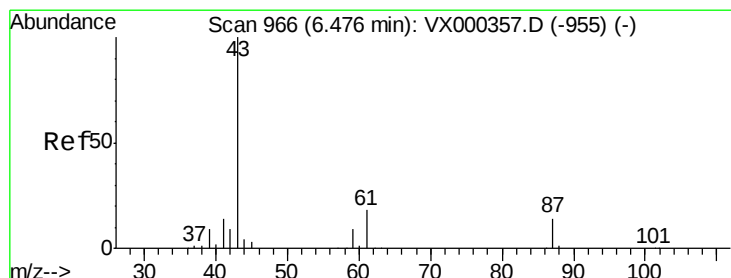
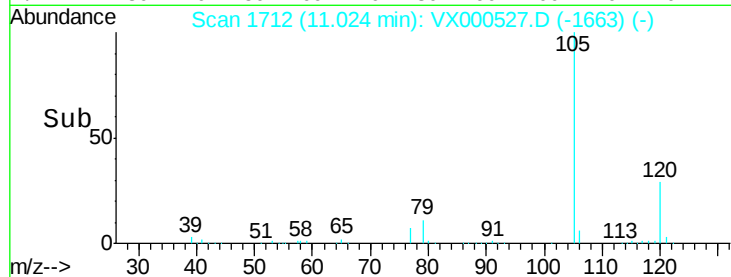
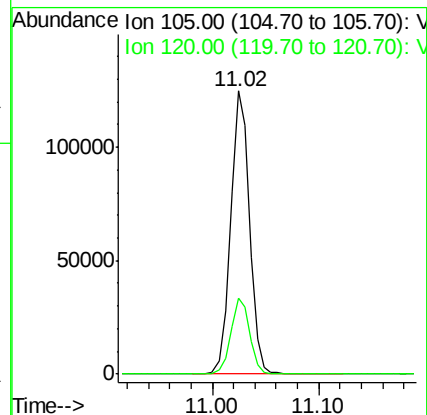
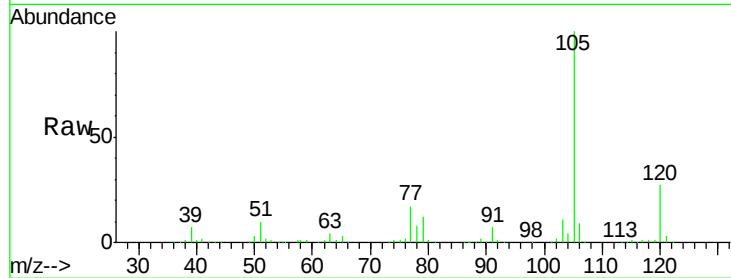
120 26.8 13.6 40.7

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#74

N-ethyl acetate

Concen: 20.63 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Tgt Ion: 43 Resp: 72573

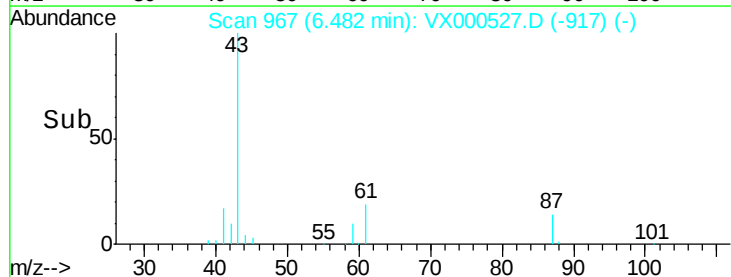
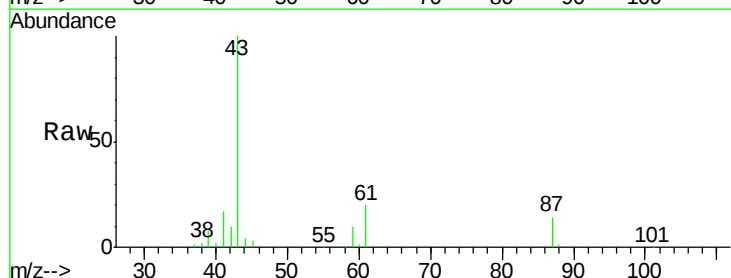
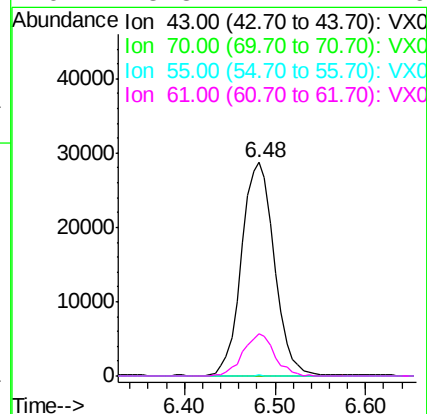
Ion Ratio Lower Upper

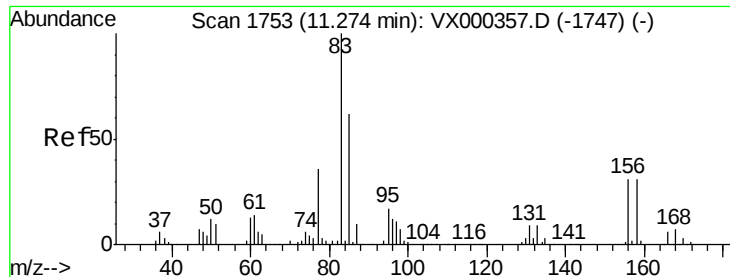
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.8 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.97 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion: 83 Resp: 57329

Ion Ratio Lower Upper

83 100

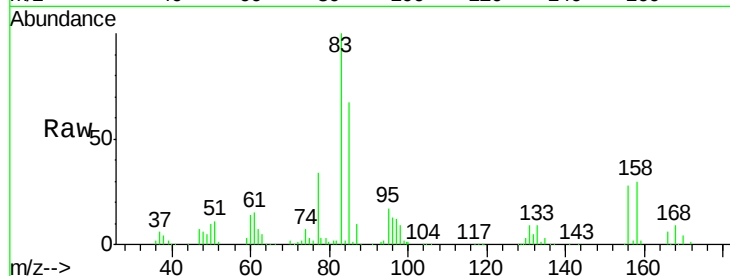
131 10.4 5.0 14.9

85 64.1 32.5 97.5

Manual Integrations
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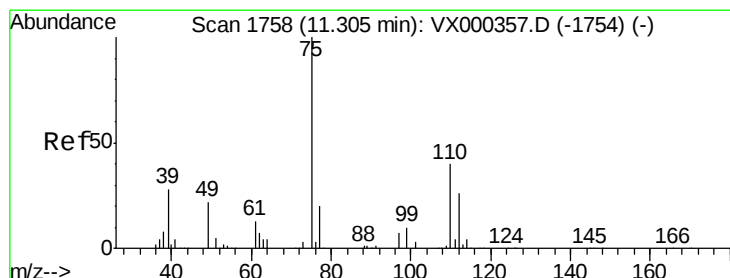
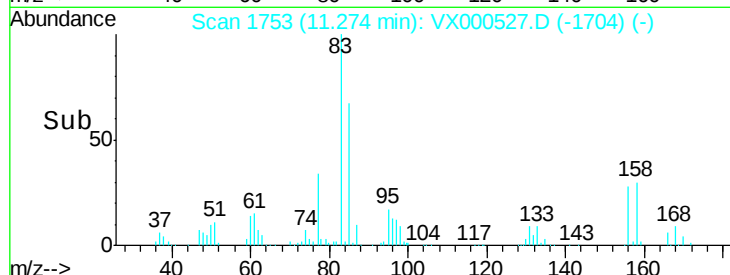
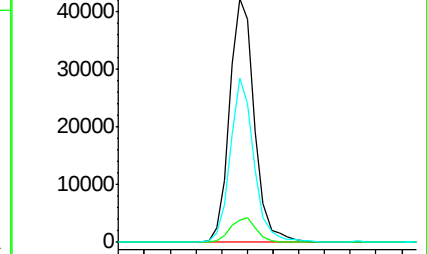
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.50 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000527.D

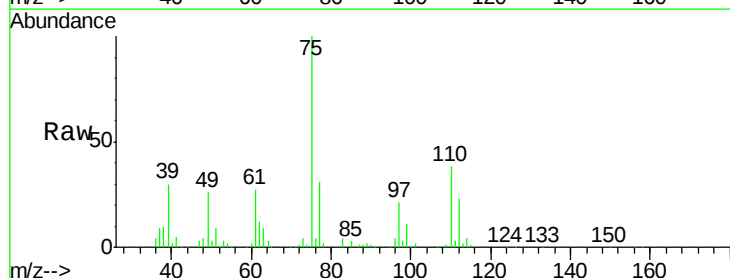
Acq: 29 Mar 2018 21:31

Tgt Ion: 75 Resp: 51466

Ion Ratio Lower Upper

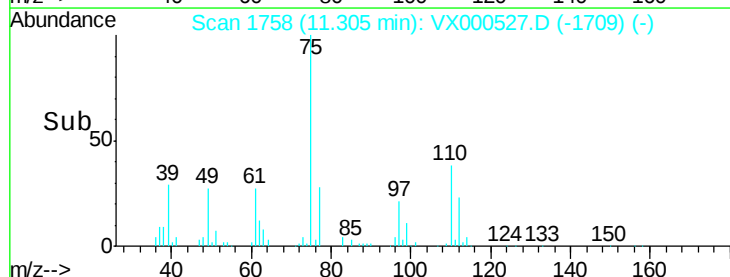
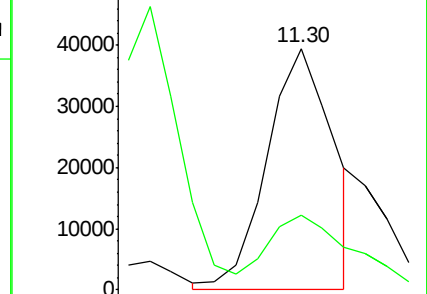
75 100

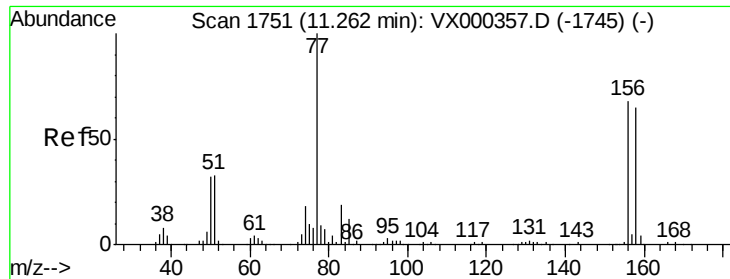
77 40.4 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.21 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion:156 Resp: 37765

Ion Ratio Lower Upper

156 100

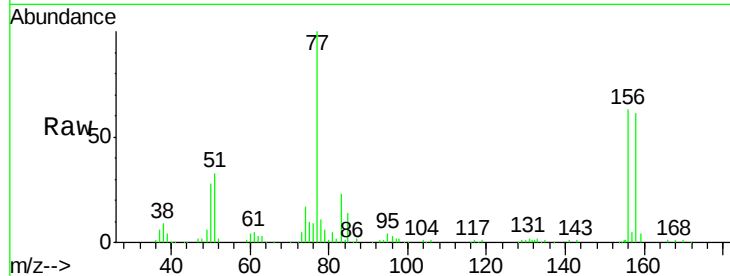
77 154.3 73.4 220.2

158 100.8 48.5 145.6

Manual Integrations
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sam

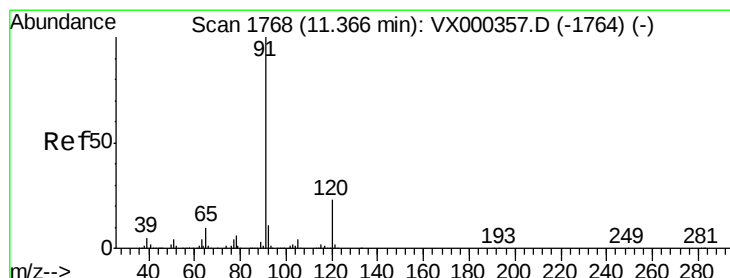
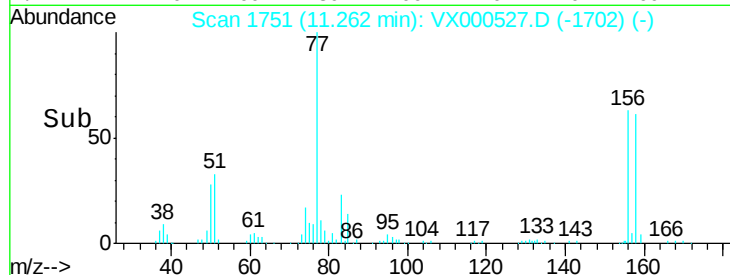
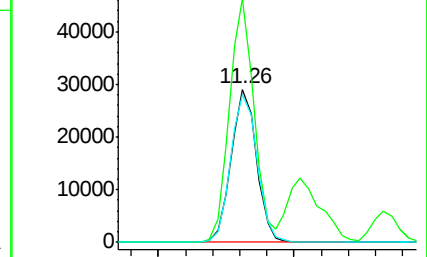
3/30/2018 4:10:30 PM



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: 20.27 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000527.D

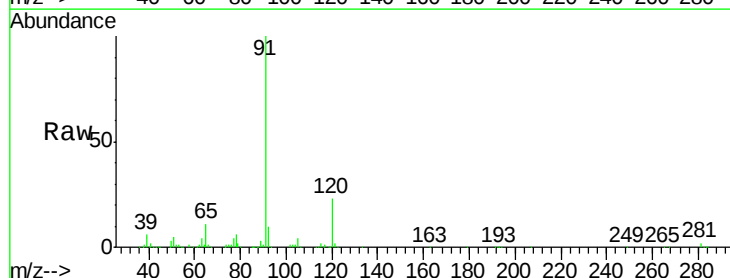
Acq: 29 Mar 2018 21:31

Tgt Ion: 91 Resp: 178362

Ion Ratio Lower Upper

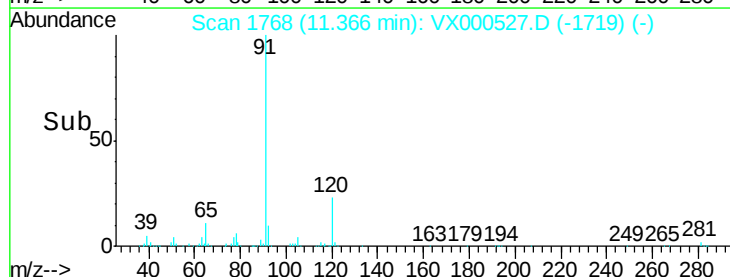
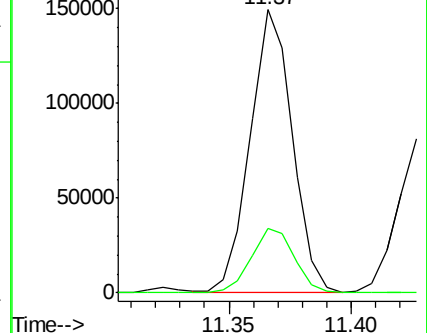
91 100

120 23.8 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: 20.58 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampled :

VX0329WBSD01

Tot Ion: 91 Resp: 104601

Ion Ratio Lower Upper

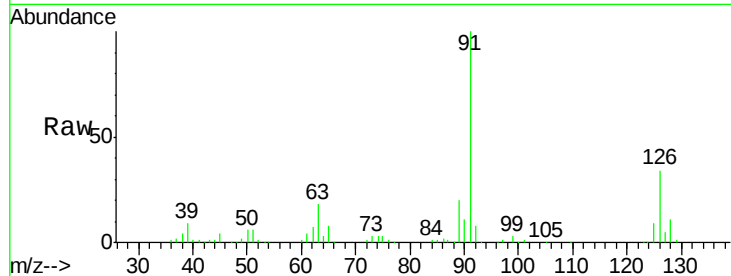
91 100

126 35.1 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000357.D (-1774) (-)

150000

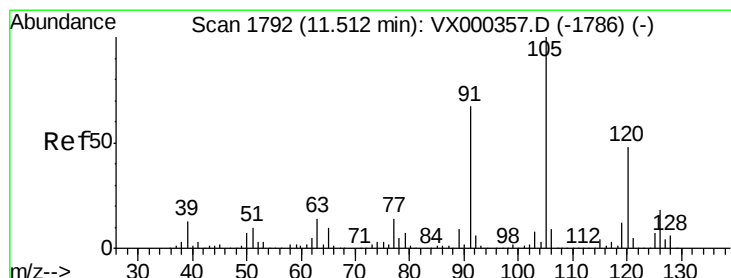
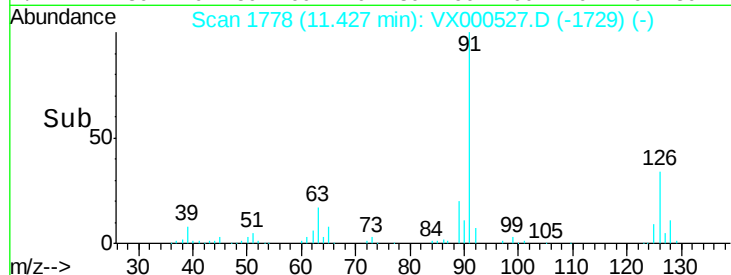
100000

50000

0

11.40 11.43 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.62 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000527.D

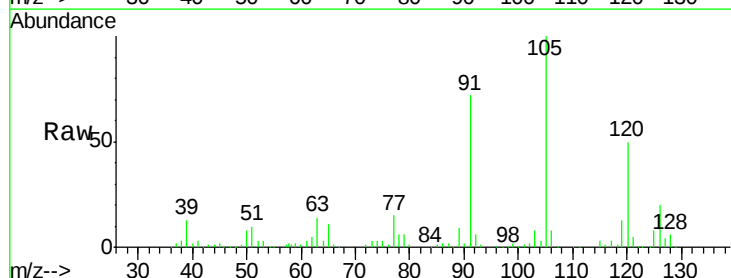
Acq: 29 Mar 2018 21:31

Tgt Ion: 105 Resp: 127903

Ion Ratio Lower Upper

105 100

120 50.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000357.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000357.D (-1786) (-)

120000

100000

80000

60000

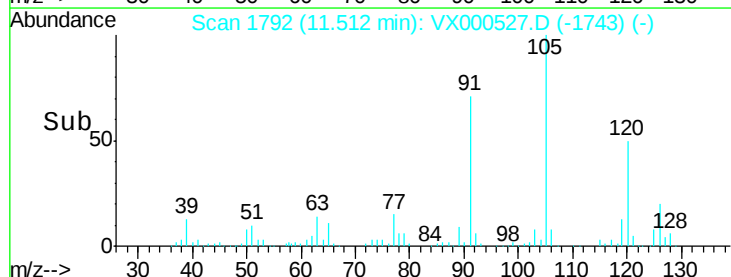
40000

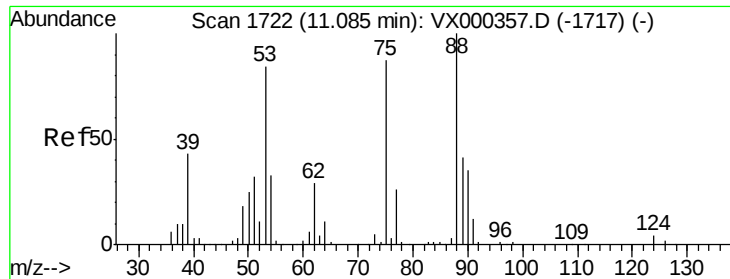
20000

0

11.45 11.51 11.55 11.60

Time-->





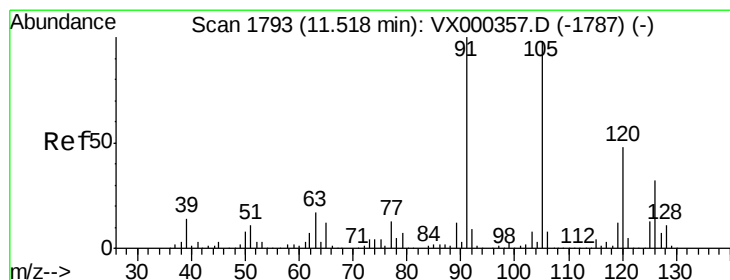
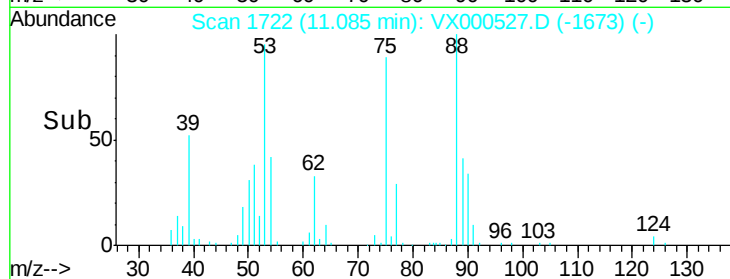
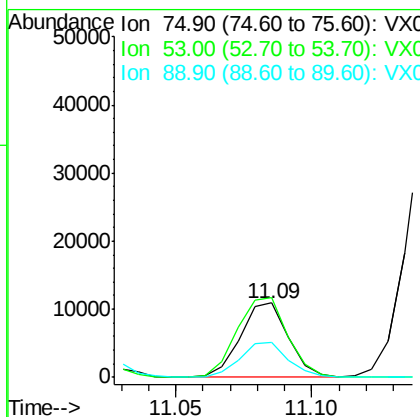
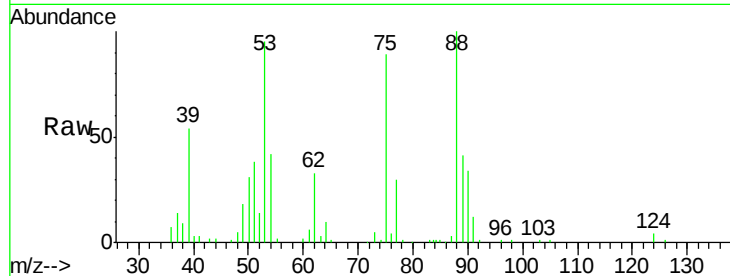
#81
trans-1,4-Dichloro-2-butene
Concen: 17.93 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.7	80.7	121.1
89	48.0	39.4	59.0

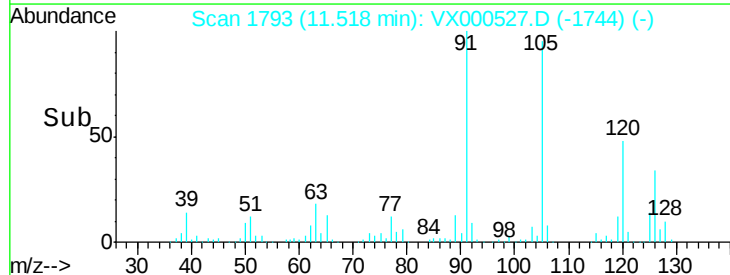
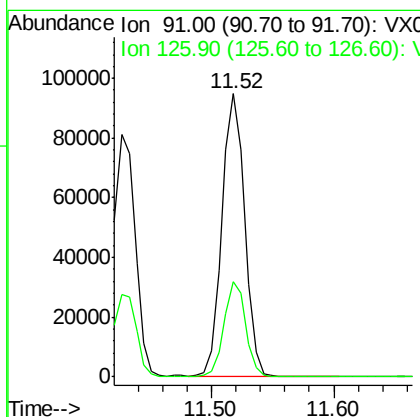
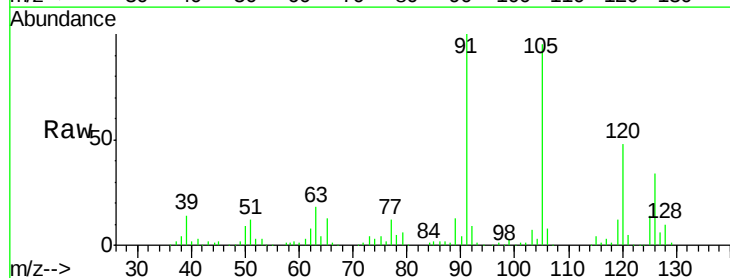
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sam
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#82
4-Chlorotoluene
Concen: 20.23 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.4	46.1





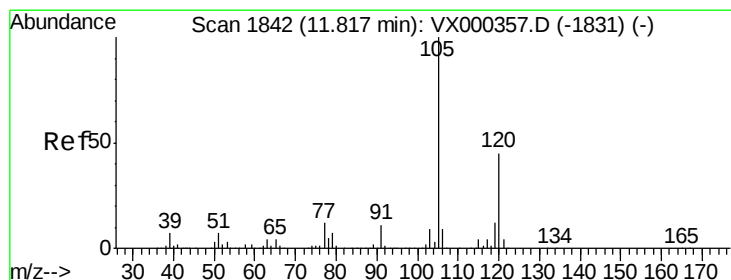
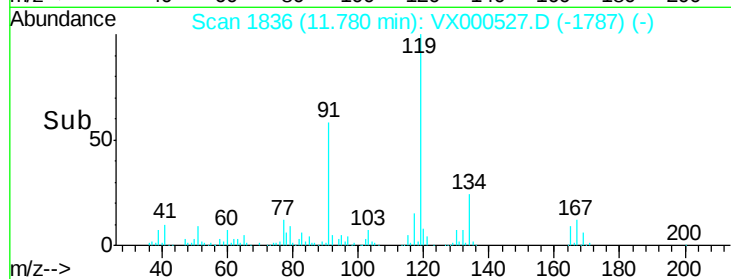
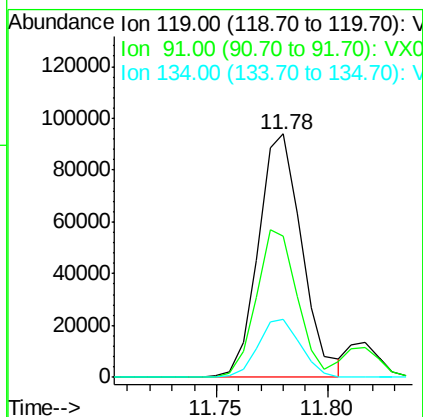
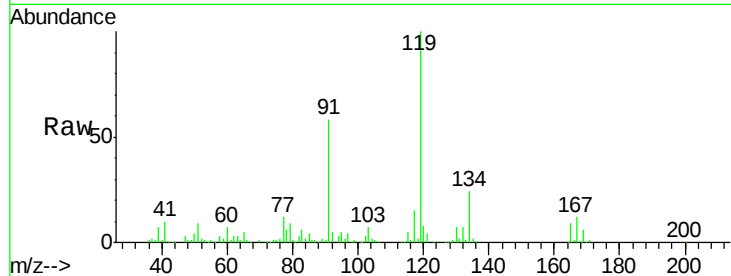
#83
tert-Butylbenzene
Concen: 20.40 ug/l
RT: 11.78 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampled :
VX0329WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	127652		
91	57.1	28.8	86.4	
134	23.4	11.4	34.1	

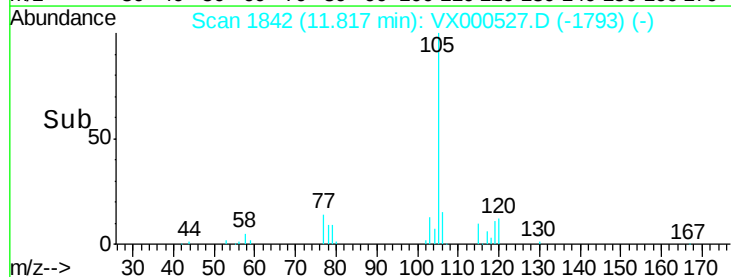
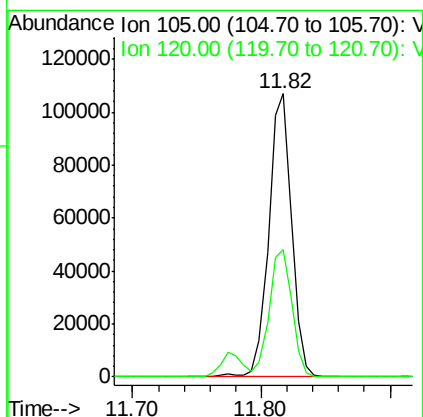
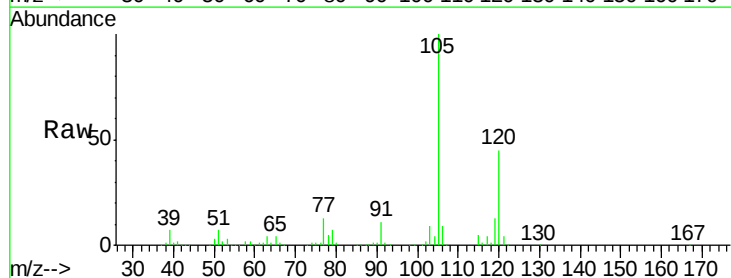
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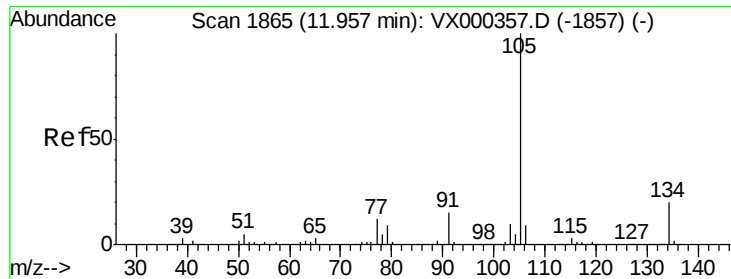
sam
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#84
1,2,4-Trimethylbenzene
Concen: 20.29 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	131990		
120	45.0	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.63 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBSD01

Tot Ion:105 Resp: 159702

Ion Ratio Lower Upper

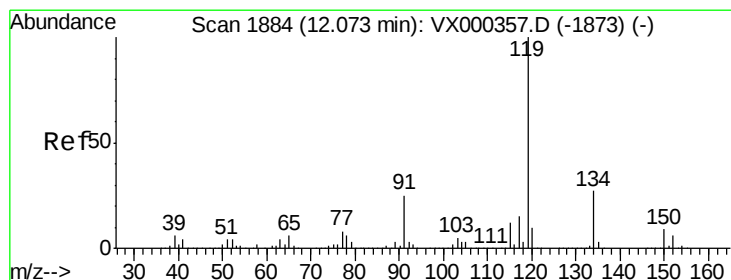
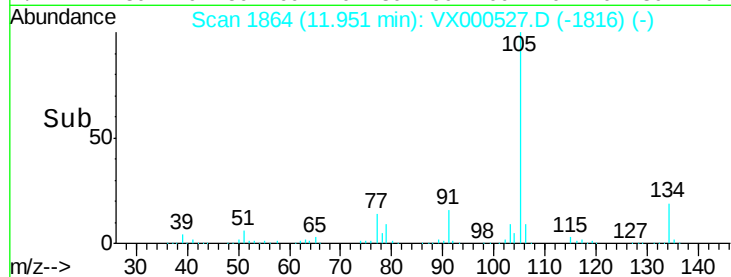
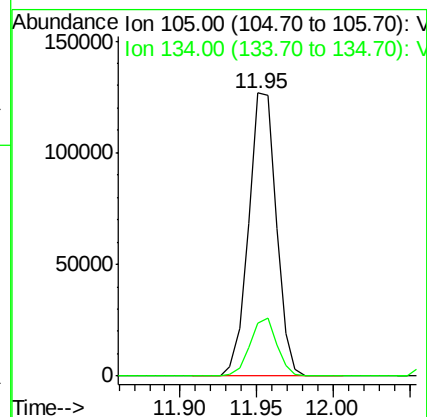
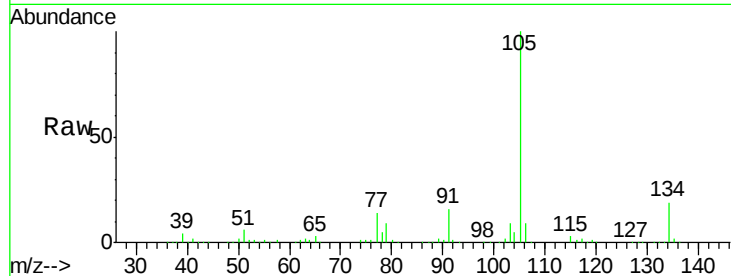
105 100

134 19.9 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.32 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

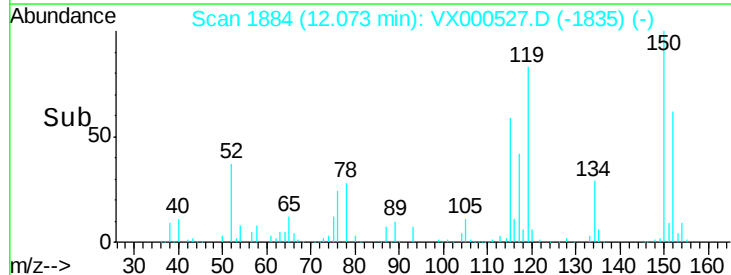
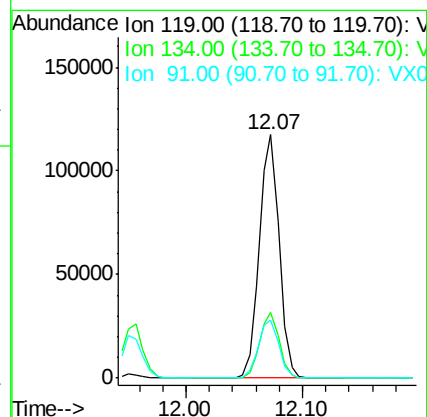
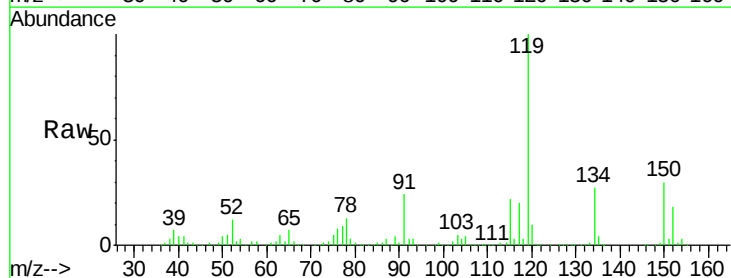
Tgt Ion:119 Resp: 139719

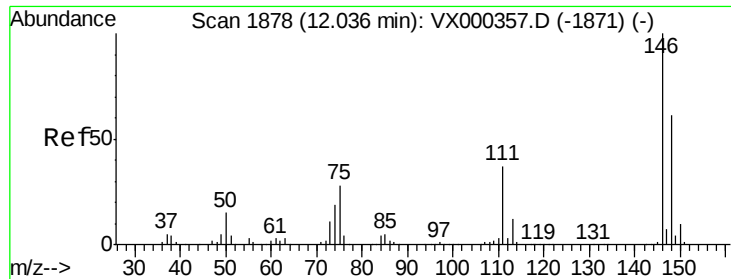
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 24.8 12.0 36.1





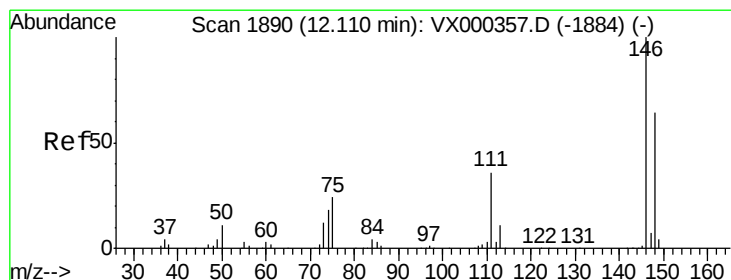
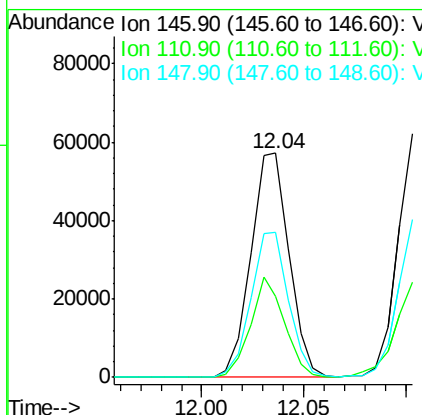
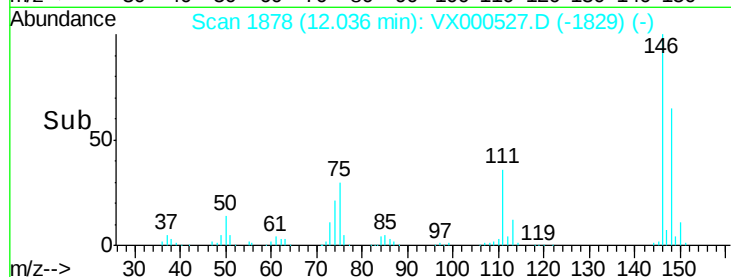
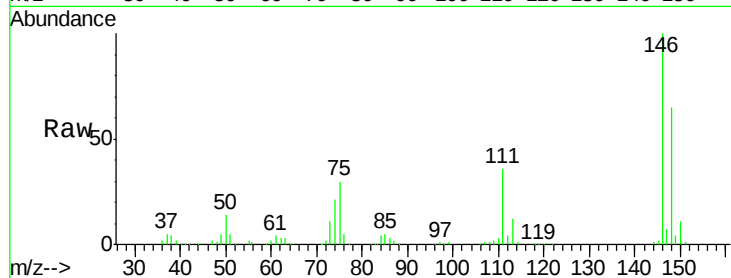
#87
 1,3-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.5	58.5
148	63.8	32.4	97.0

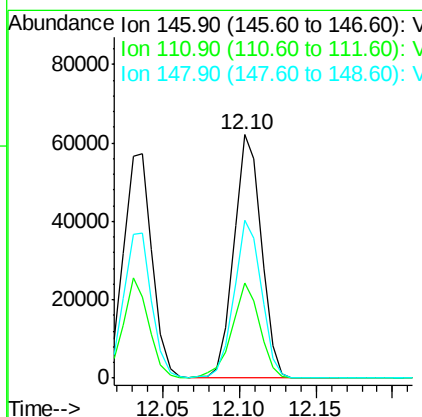
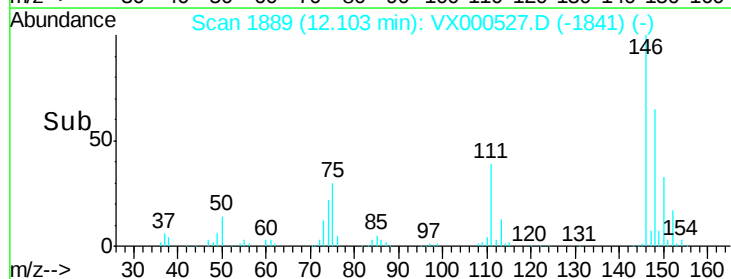
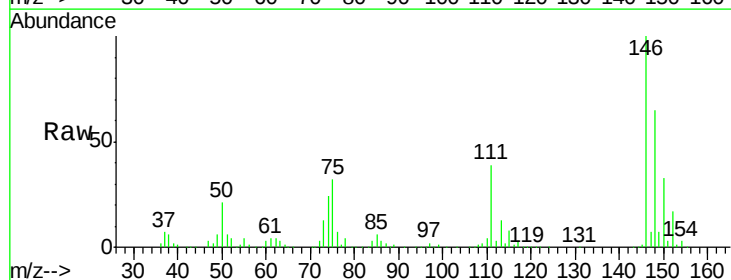
Manual Integrations
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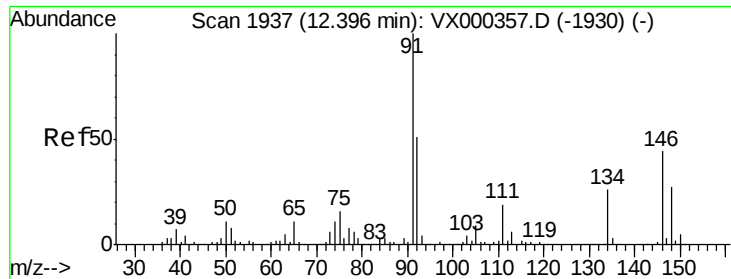
sam
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#88
 1,4-Dichlorobenzene
 Concen: 19.77 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.9
148	64.7	31.0	93.0





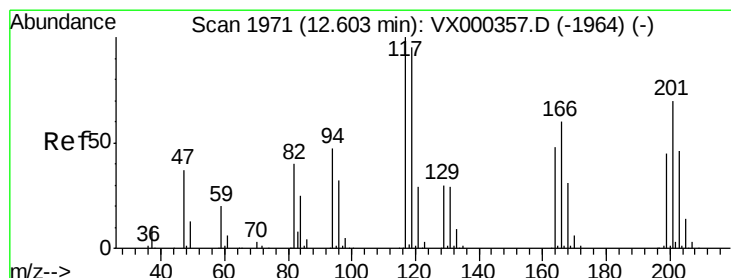
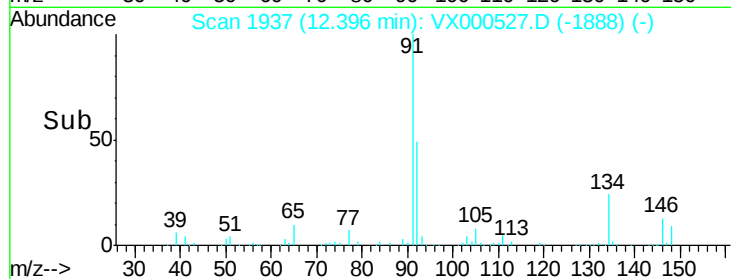
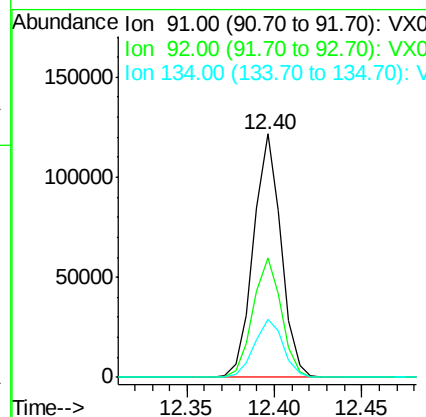
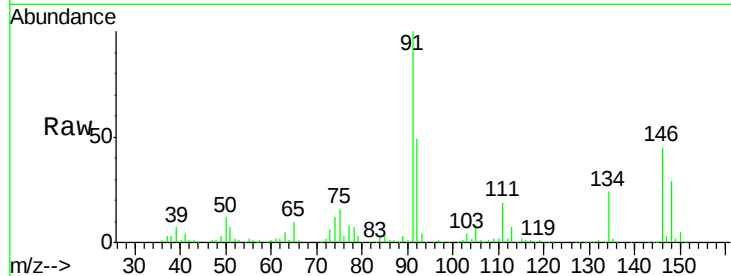
#89
n-Butylbenzene
Concen: 20.80 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.9	77.8
134	25.0	13.1	39.3

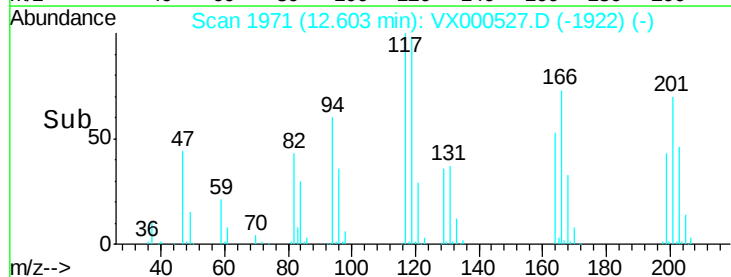
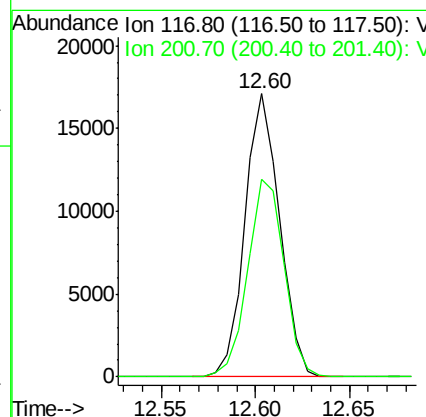
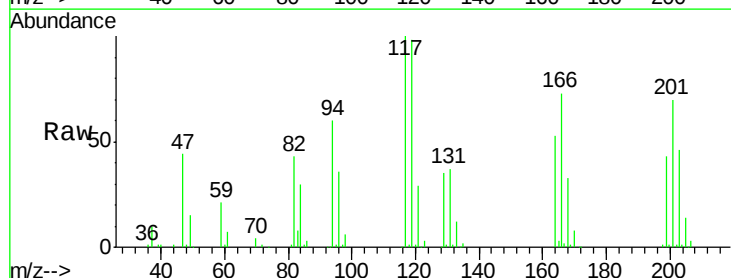
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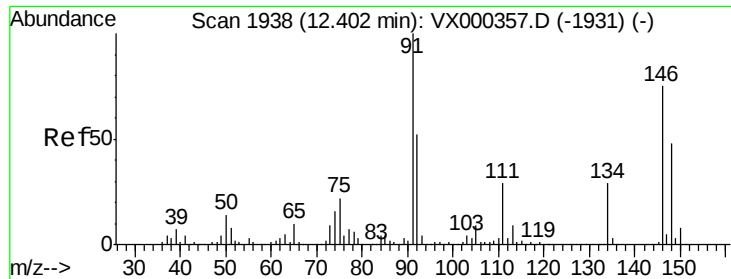
sam
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#90
Hexachloroethane
Concen: 20.10 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.6	37.9	113.6





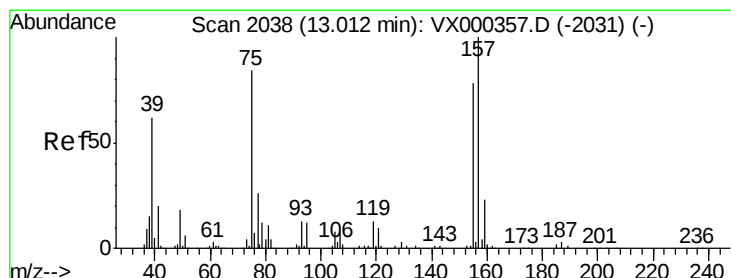
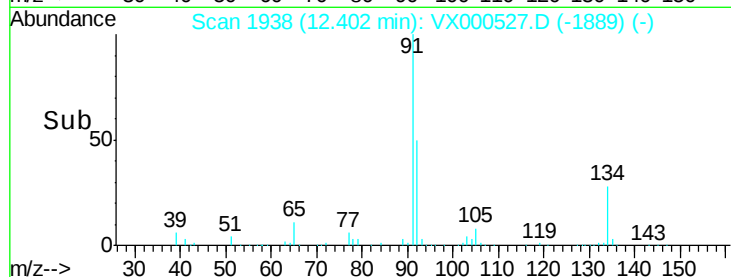
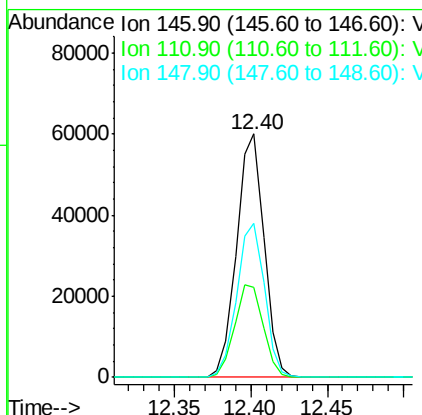
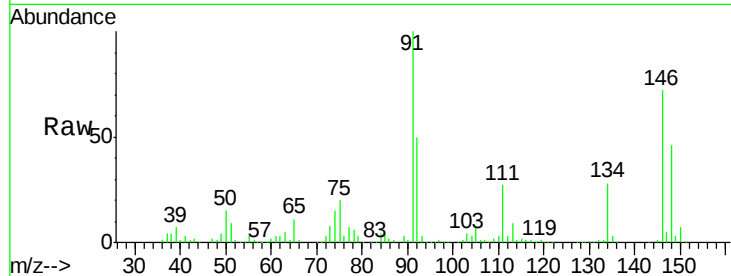
#91
1,2-Dichlorobenzene
Concen: 20.51 ug/l
RT: 12.40 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Instrument :
MSVOA_X
ClientSampled :
VX0329WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	63.7	31.2	93.6

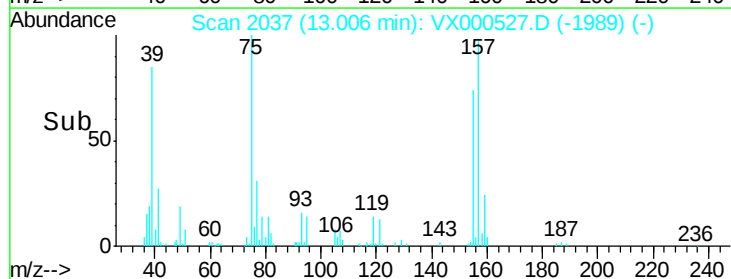
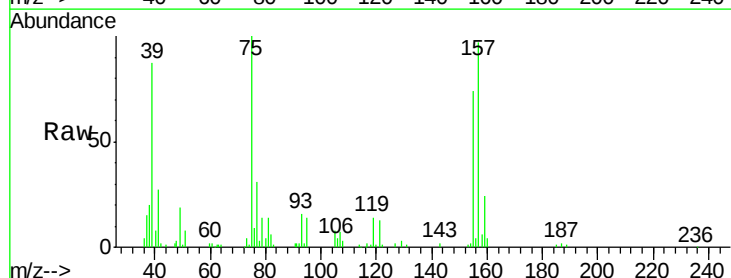
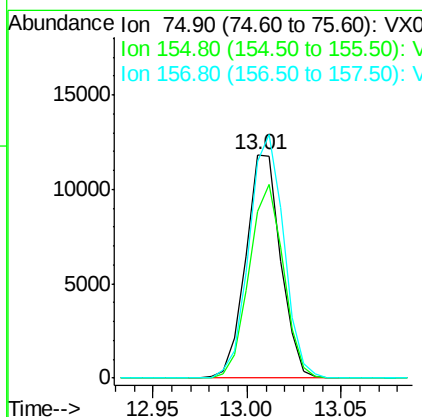
Manual Integrations
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#92
1,2-Dibromo-3-Chloropropane
Concen: 20.97 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.01 min
Lab File: VX000527.D
Acq: 29 Mar 2018 21:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	45.0	134.8
157	107.8	58.1	174.2





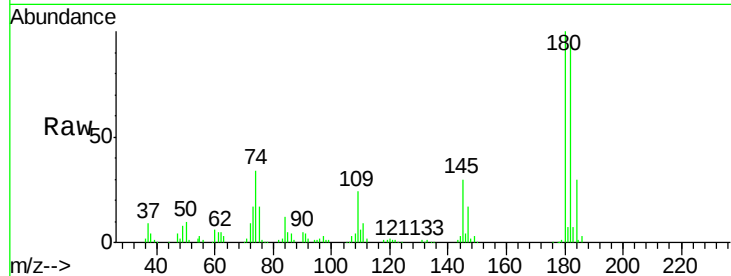
#93
 1,2,4-Trichlorobenzene
 Concen: 20.58 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBSD01

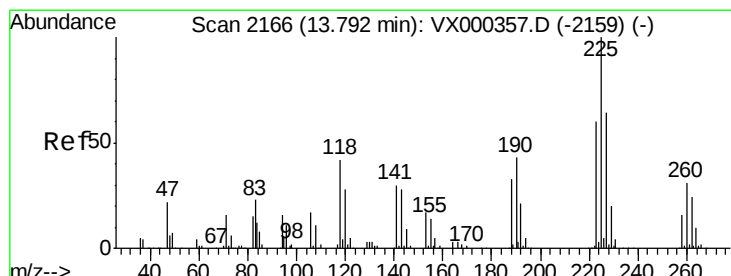
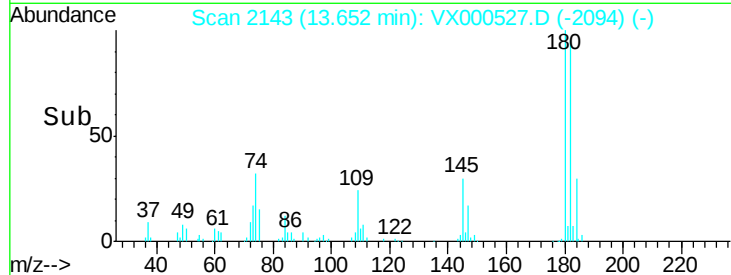
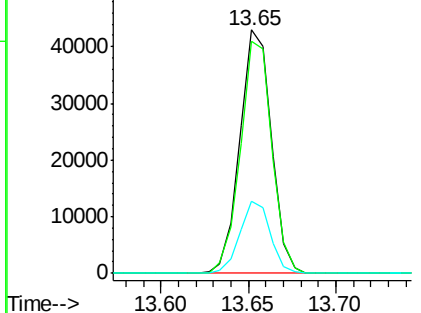
Tot Ion:	180	Resp:	53770
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.6	142.9
145	28.4	15.1	45.3

Manual Integrations
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 3/30/2018 4:10:30 PM

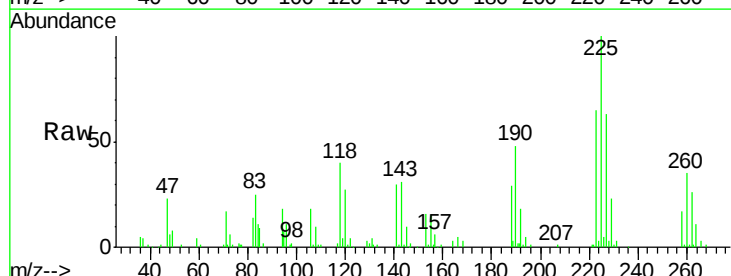


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

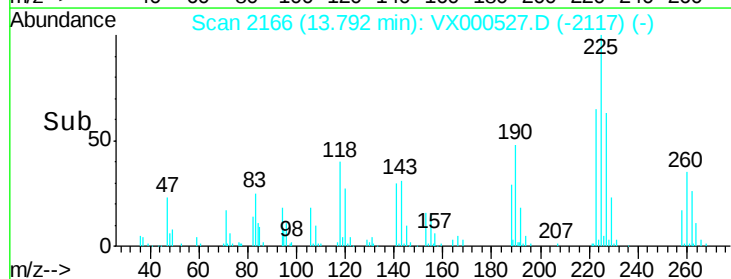
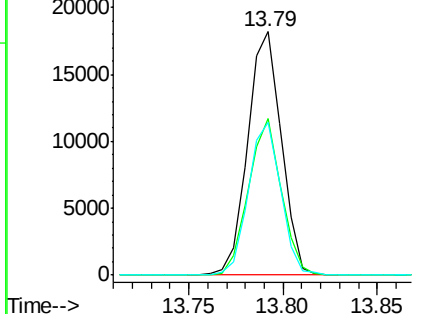


#94
 Hexachlorobutadiene
 Concen: 20.86 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000527.D
 Acq: 29 Mar 2018 21:31

Tgt Ion:	225	Resp:	22560
Ion Ratio	Lower	Upper	
225	100		
223	62.6	32.0	96.0
227	60.2	32.6	98.0



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





#95

Naphthalene

Concen: 20.72 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Instrument :

MSVOA_X

ClientSampleId :

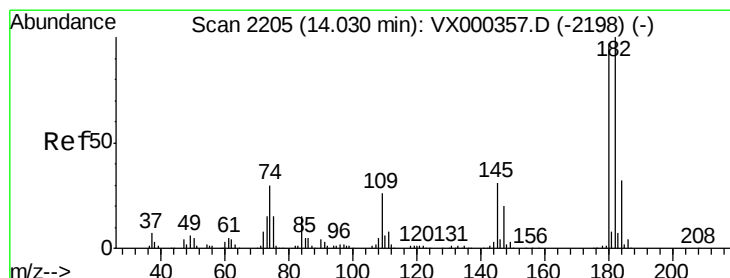
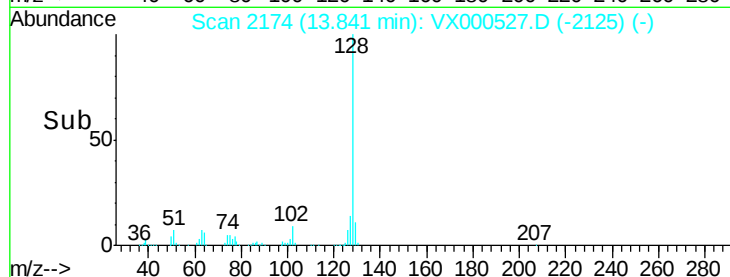
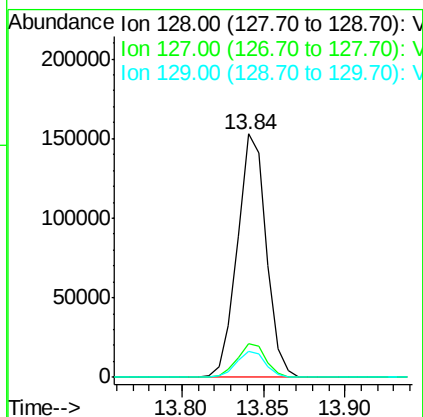
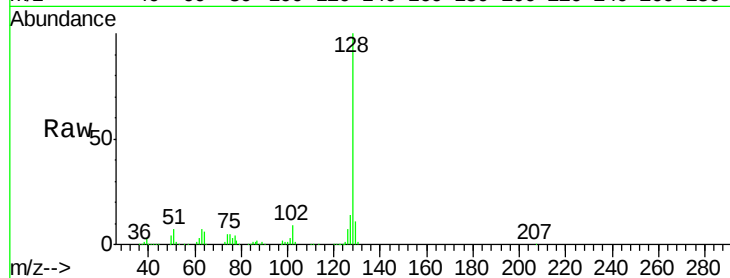
VX0329WBSD01

Tot Ion:	128	Resp:	188512
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

sam

3/30/2018 4:10:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.42 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000527.D

Acq: 29 Mar 2018 21:31

Tgt Ion:	180	Resp:	55297
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.4	142.3
145	31.3	15.8	47.3

