

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002628.D
 Acq On : 16 Jun 2018 06:19
 Operator : JC/MD
 Sample : VX0615WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:06 PM

Quant Time: Jun 16 07:26:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	155666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	273622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	156352	66.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.20%	
35) Dibromofluoromethane	5.51	113	117048	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
50) Toluene-d8	8.72	98	424774	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.14	95	159825	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	20830	12.60	ug/l	100
3) Chloromethane	1.32	50	42773	21.76	ug/l	99
4) Vinyl Chloride	1.41	62	40587	19.90	ug/l	98
5) Bromomethane	1.64	94	29599	24.05	ug/l	99
6) Chloroethane	1.72	64	32586	24.24	ug/l	98
7) Trichlorofluoromethane	1.93	101	55118	16.63	ug/l	95
8) Diethyl Ether	2.19	74	33655	26.70	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	25811	13.93	ug/l	100
10) Methyl Iodide	2.51	142	48789	22.67	ug/l	98
11) Tert butyl alcohol	3.07	59	64502	131.90	ug/l	98
12) 1,1-Dichloroethene	2.37	96	34697	19.95	ug/l	98
13) Acrolein	2.30	56	25711	115.94	ug/l	99
14) Allyl chloride	2.73	41	79986	23.16	ug/l	99
15) Acrylonitrile	3.15	53	140740	131.89	ug/l	100
16) Acetone	2.45	43	132706	127.16	ug/l	99
17) Carbon Disulfide	2.57	76	78946	19.14	ug/l	98
18) Methyl Acetate	2.78	43	77861	28.00	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	174794	26.79	ug/l	96
20) Methylene Chloride	2.86	84	52913	24.73	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	43089	22.84	ug/l	97
22) Diisopropyl ether	3.87	45	159356	25.50	ug/l	93
23) Vinyl Acetate	3.83	43	663718	126.92	ug/l	100
24) 1,1-Dichloroethane	3.70	63	85711	25.27	ug/l	97
25) 2-Butanone	4.71	43	181435	132.38	ug/l	98
26) 2,2-Dichloropropane	4.59	77	36135	14.83	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	48616	25.32	ug/l	96
28) Bromochloromethane	5.03	49	39920	25.14	ug/l	97
29) Tetrahydrofuran	5.17	42	116977	130.23	ug/l	97
30) Chloroform	5.22	83	85024	26.00	ug/l	98
31) Cyclohexane	5.58	56	40751	14.59	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	61021	22.31	ug/l	99
36) 1,1-Dichloropropene	5.80	75	46867	16.13	ug/l	98
37) Ethyl Acetate	4.87	43	70119	21.32	ug/l	98
38) Carbon Tetrachloride	5.79	117	48040	16.60	ug/l	98

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Quant Time: Jun 16 07:26:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	36679	10.80	ug/l	95
40) Benzene	6.15	78	178917	20.53	ug/l	100
41) Methacrylonitrile	5.07	41	40441	21.78	ug/l	98
42) 1,2-Dichloroethane	6.20	62	76970	22.82	ug/l	99
43) Isopropyl Acetate	6.47	43	116684	21.41	ug/l	99
44) Trichloroethene	7.22	130	47077	18.72	ug/l	98
45) 1,2-Dichloropropane	7.52	63	48764	21.26	ug/l	99
46) Dibromomethane	7.67	93	34857	22.72	ug/l	98
47) Bromodichloromethane	7.90	83	59693	22.06	ug/l	97
48) Methyl methacrylate	7.78	41	60424	21.70	ug/l	97
49) 1,4-Dioxane	7.76	88	23646	448.37	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	387343	110.70	ug/l	99
52) Toluene	8.79	92	114836	20.66	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	65211	19.73	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	58460	19.22	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	51769	23.05	ug/l	97
56) Ethyl methacrylate	9.18	69	76574	22.15	ug/l	98
57) 1,3-Dichloropropane	9.38	76	84245	22.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	181699	108.69	ug/l	100
59) 2-Hexanone	9.50	43	292298	110.86	ug/l	100
60) Dibromochloromethane	9.59	129	47103	21.00	ug/l	100
61) 1,2-Dibromoethane	9.68	107	52980	22.78	ug/l	99
64) Tetrachloroethene	9.34	164	51054	17.10	ug/l	95
65) Chlorobenzene	10.14	112	135411	20.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	49397	21.93	ug/l	98
67) Ethyl Benzene	10.26	91	214093	19.21	ug/l	99
68) m/p-Xylenes	10.36	106	167542	38.98	ug/l	99
69) o-Xylene	10.70	106	84971	20.12	ug/l	100
70) Styrene	10.71	104	142186	20.47	ug/l	99
71) Bromoform	10.86	173	33869	19.76	ug/l #	100
73) Isopropylbenzene	11.02	105	208320	18.99	ug/l	100
74) N-amyl acetate	6.47	43	116684	21.41	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	75666	23.36	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	71336m	23.05	ug/l	
77) Bromobenzene	11.26	156	66055	21.61	ug/l	99
78) n-propylbenzene	11.37	91	231008	18.36	ug/l	100
79) 2-Chlorotoluene	11.43	91	151517	20.17	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	183105	19.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	14119	17.56	ug/l	87
82) 4-Chlorotoluene	11.51	91	177311	20.01	ug/l	99
83) tert-Butylbenzene	11.77	119	168565	18.87	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	193325	20.44	ug/l	99
85) sec-Butylbenzene	11.95	105	190534	17.16	ug/l	99
86) p-Isopropyltoluene	12.07	119	176505	17.57	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	112035	19.99	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	116053	20.35	ug/l	100
89) n-Butylbenzene	12.39	91	139681	15.76	ug/l	99
90) Hexachloroethane	12.60	117	24514	17.45	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	120011	21.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14443	21.28	ug/l	99

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Manual Integrations
APPROVED

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Quant Time: Jun 16 07:26:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	79547	19.43	ug/l	100
94) Hexachlorobutadiene	13.79	225	28977	13.44	ug/l	99
95) Naphthalene	13.84	128	244286	22.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	83742	20.37	ug/l	99

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

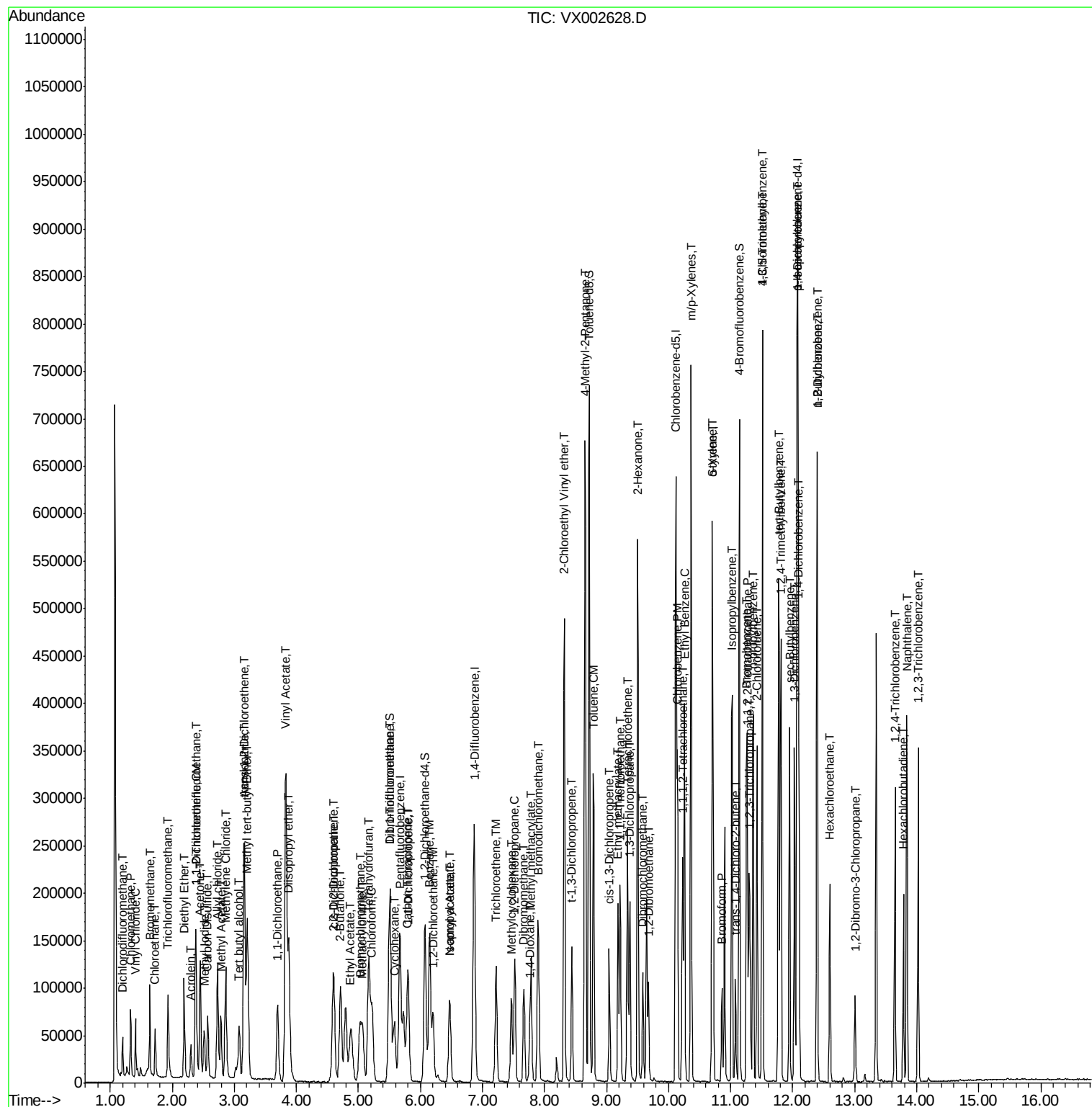
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Data File : VX002628.D
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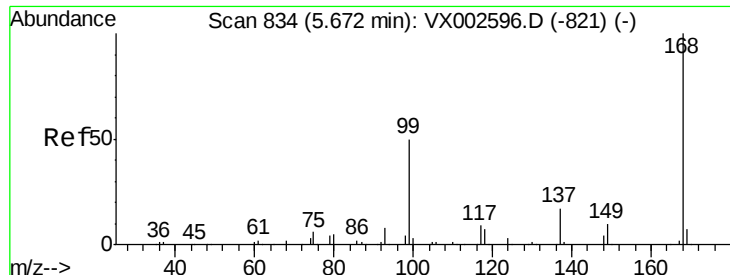
Instrument :
MSVOA_X
Client Sample Id :
VX0615WBS02

Manual Integrations
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MMDadoda
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Quant Time: Jun 16 07:26:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion:168 Resp: 155666

Ion Ratio Lower Upper

168 100

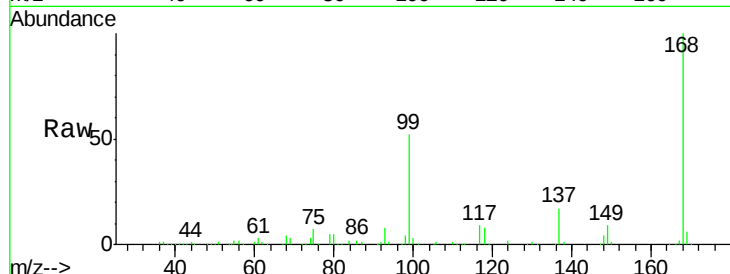
99 52.3 39.3 58.9

Manual Integrations

APPROVED

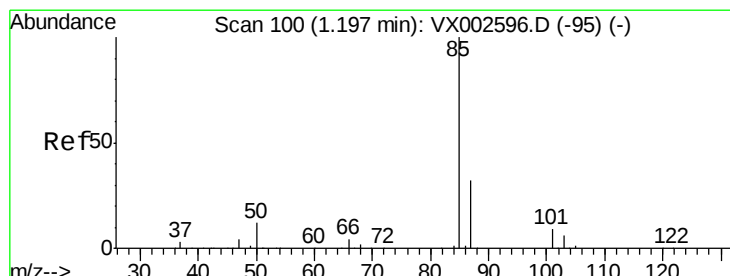
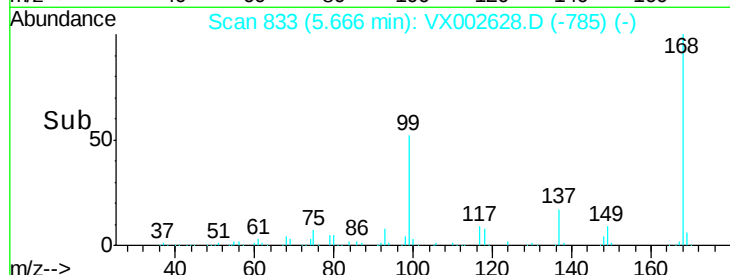
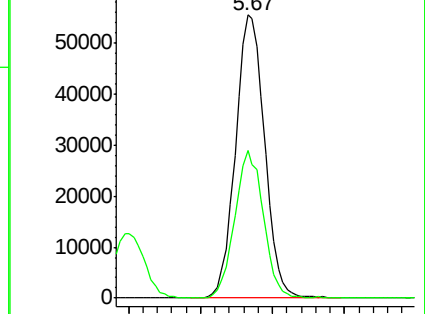
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 12.60 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002628.D

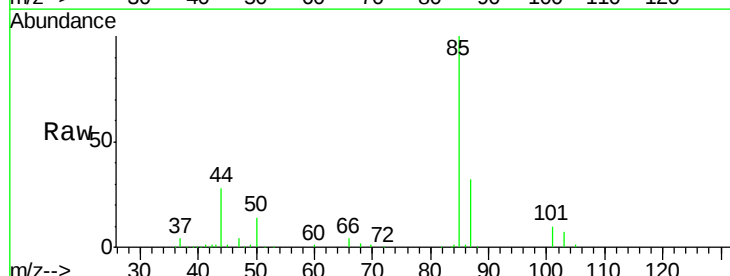
Acq: 16 Jun 2018 06:19

Tgt Ion: 85 Resp: 20830

Ion Ratio Lower Upper

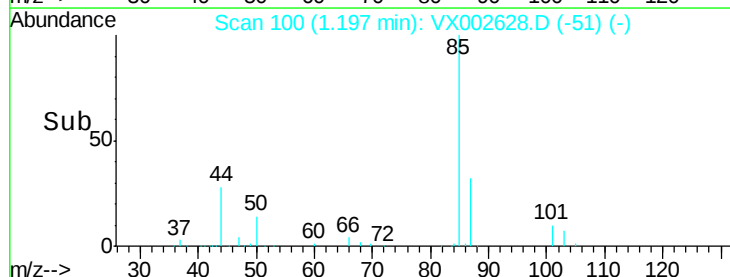
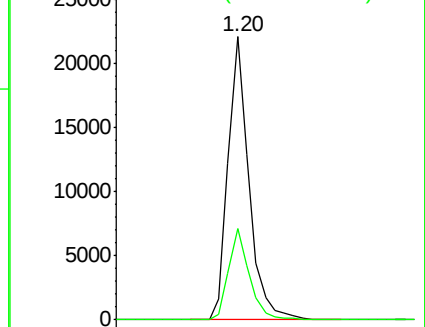
85 100

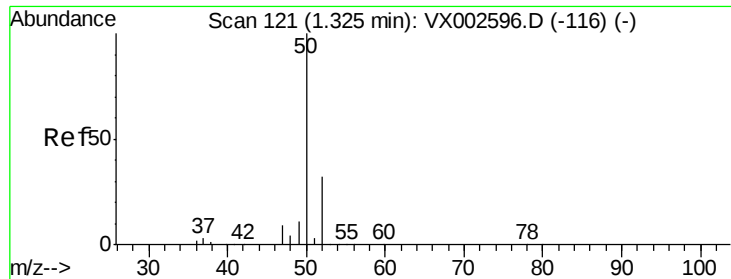
87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.76 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 50 Resp: 42773

Ion Ratio Lower Upper

50 100

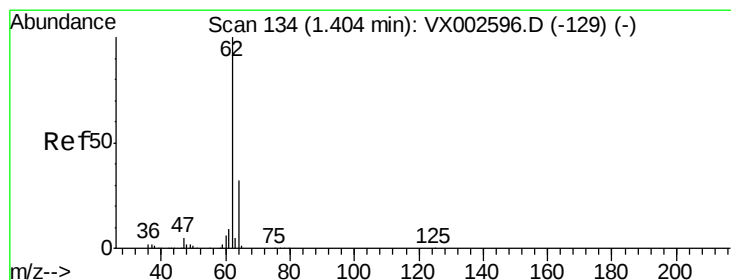
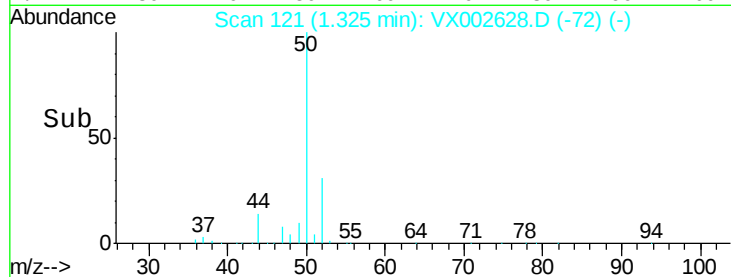
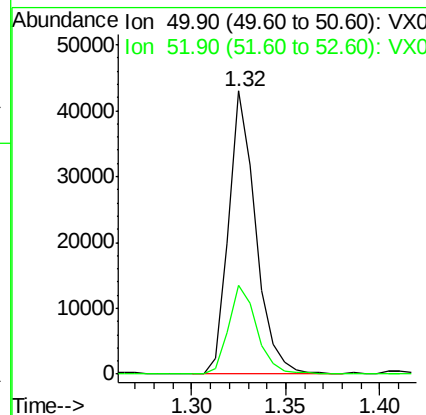
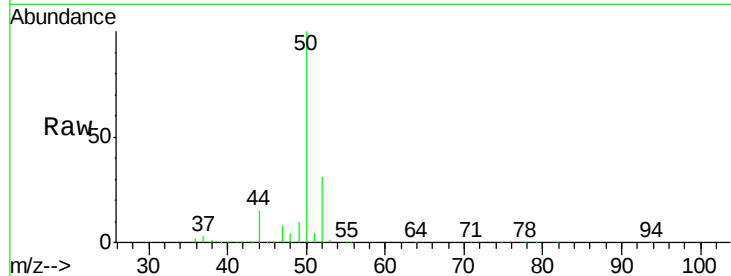
52 31.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.90 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002628.D

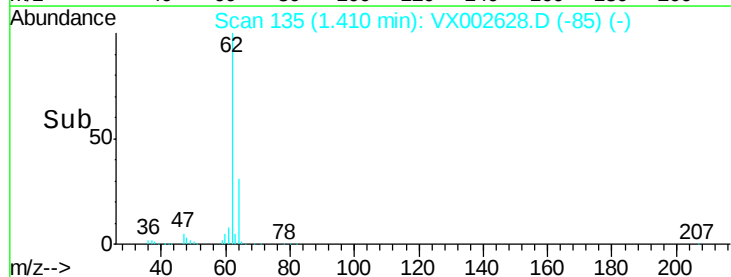
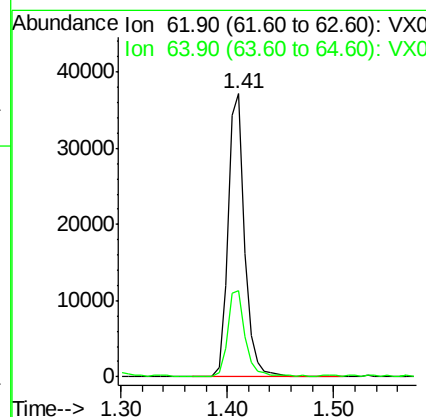
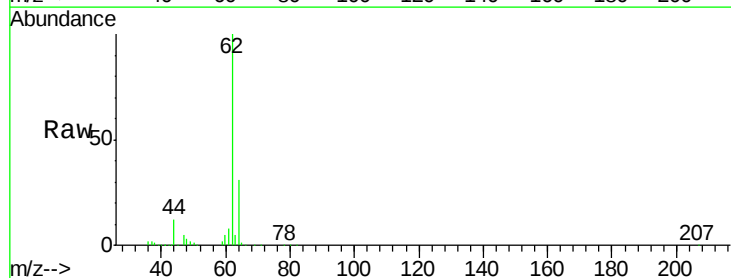
Acq: 16 Jun 2018 06:19

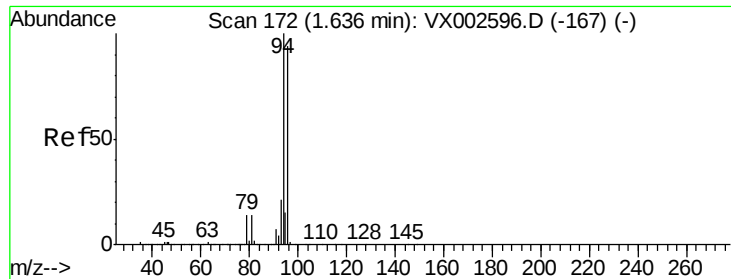
Tgt Ion: 62 Resp: 40587

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.2





#5

Bromomethane

Concen: 24.05 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 94 Resp: 29599

Ion Ratio Lower Upper

94 100

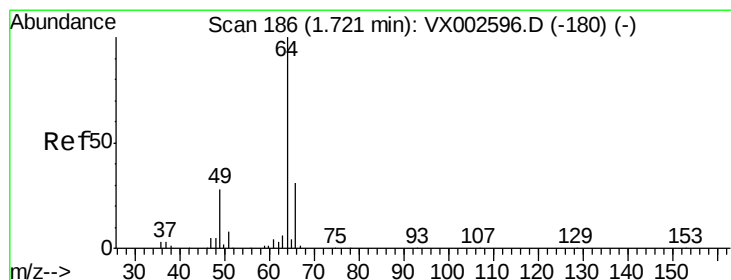
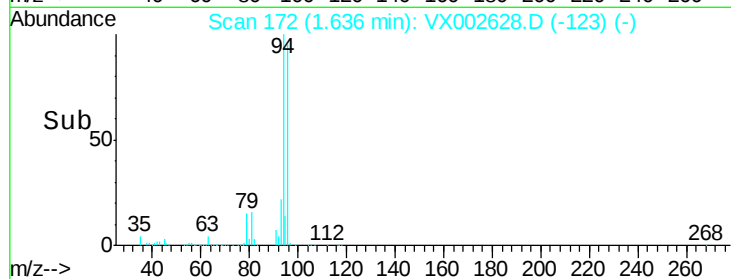
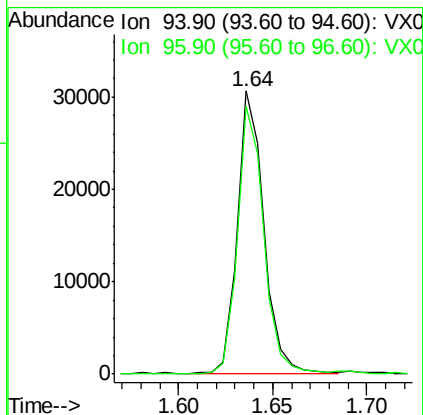
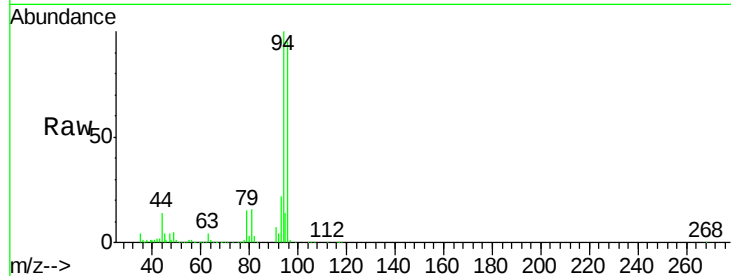
96 94.9 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 24.24 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002628.D

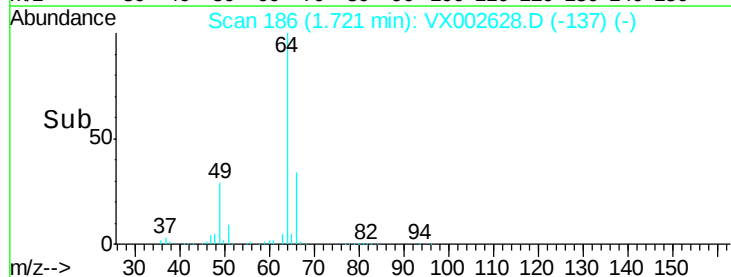
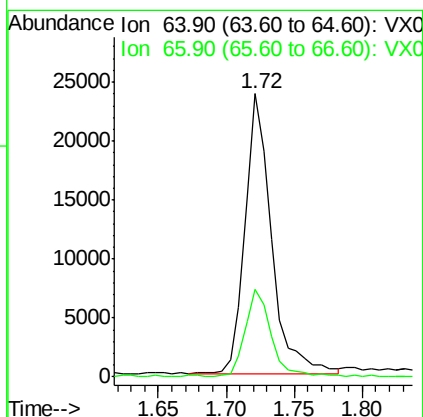
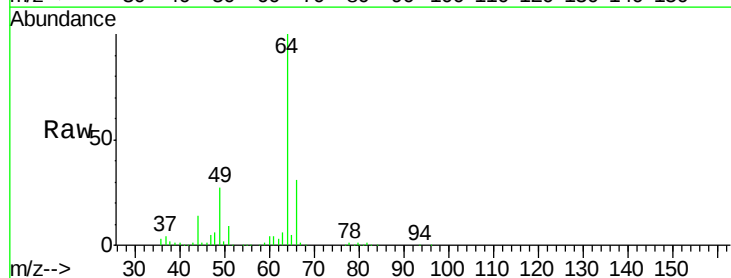
Acq: 16 Jun 2018 06:19

Tgt Ion: 64 Resp: 32586

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3





#7

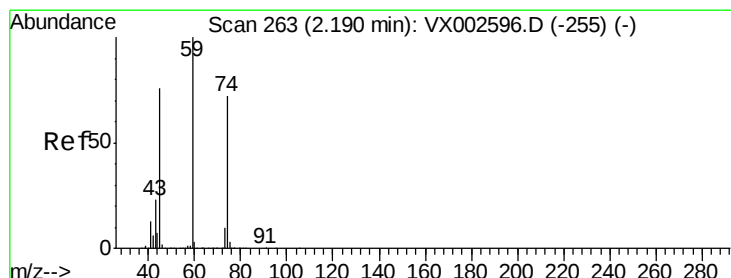
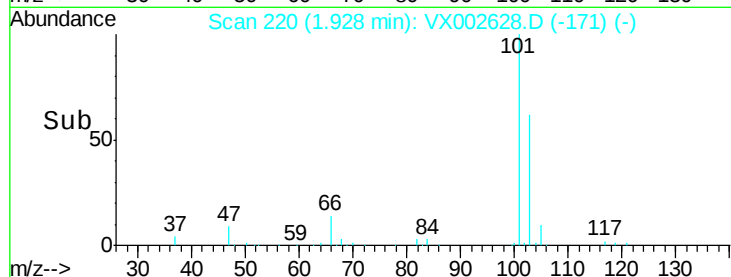
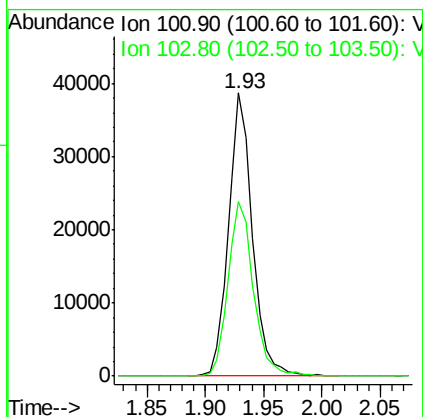
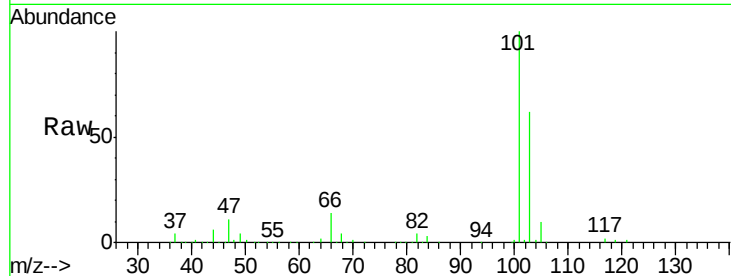
Trichlorofluoromethane
Concen: 16.63 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	52.8	79.2

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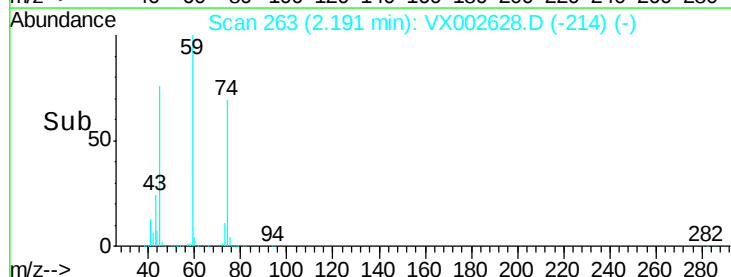
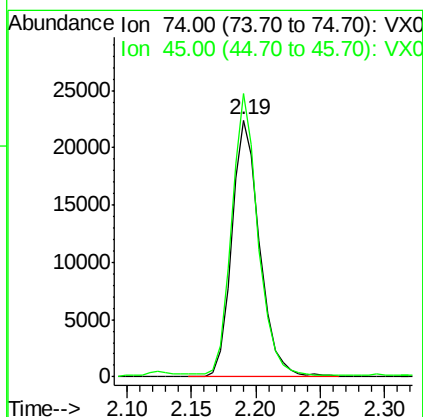
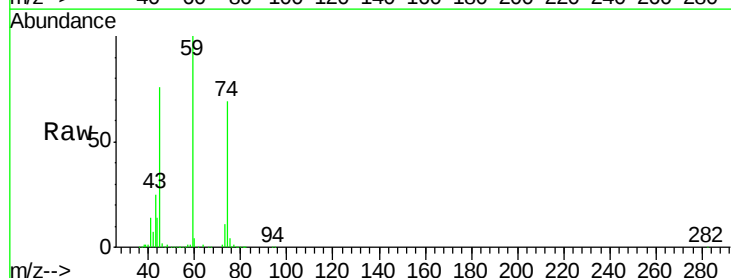
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#8

Diethyl Ether
Concen: 26.70 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.93 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

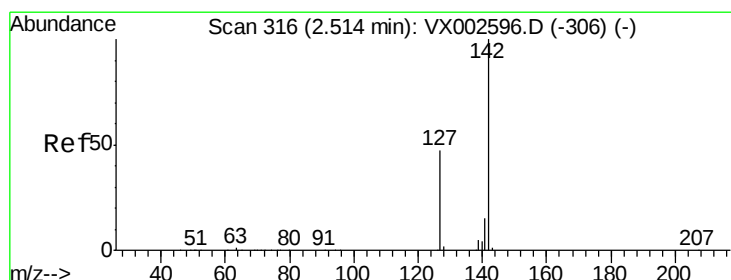
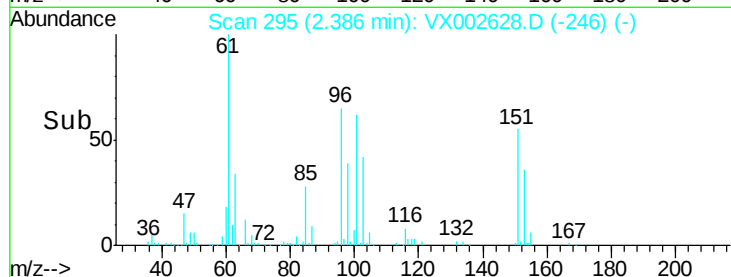
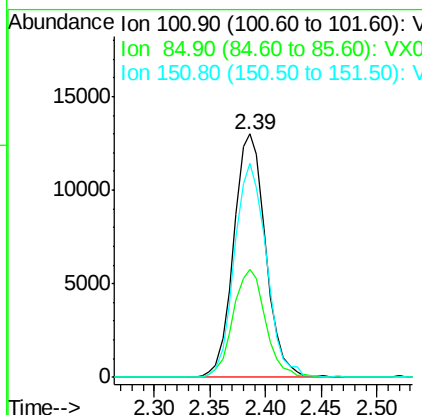
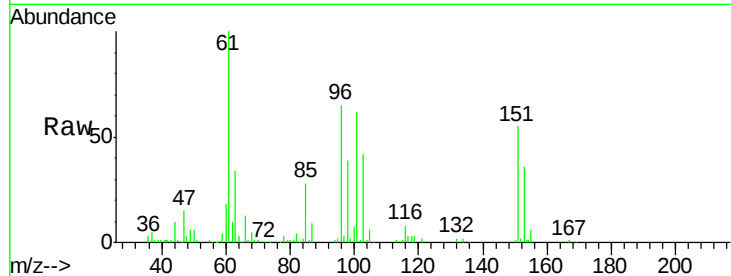
ClientSampleId :

VX0615WBS02

Tot Ion:	101	Resp:	25811
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	88.4	70.9	106.3

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#10

Methyl Iodide

Concen: 22.67 ug/l

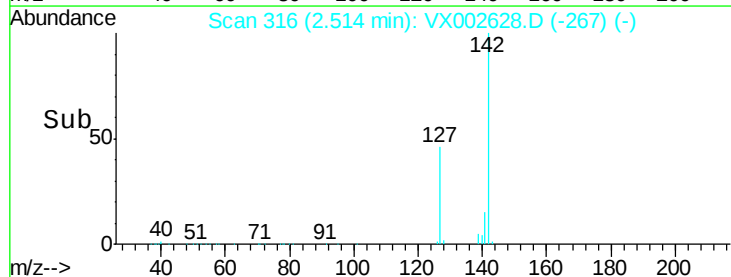
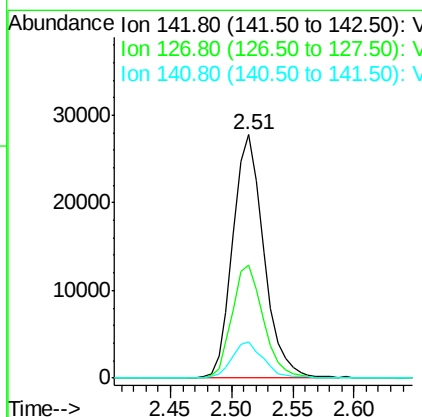
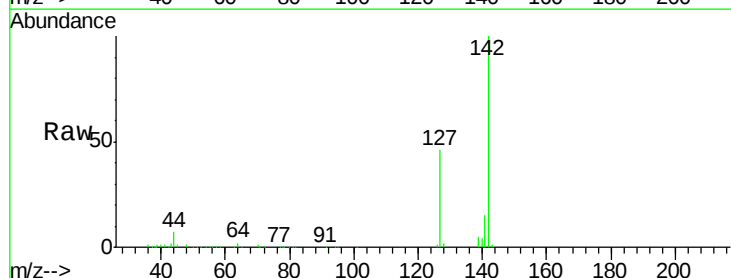
RT: 2.51 min Scan# 316

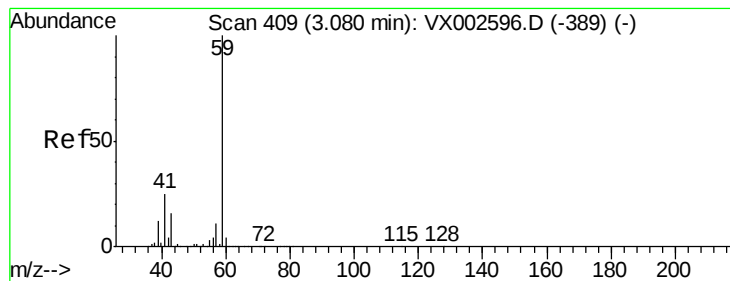
Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Tgt Ion:	142	Resp:	48789
Ion Ratio	Lower	Upper	
142	100		
127	47.2	36.6	55.0
141	15.2	11.3	16.9





#11

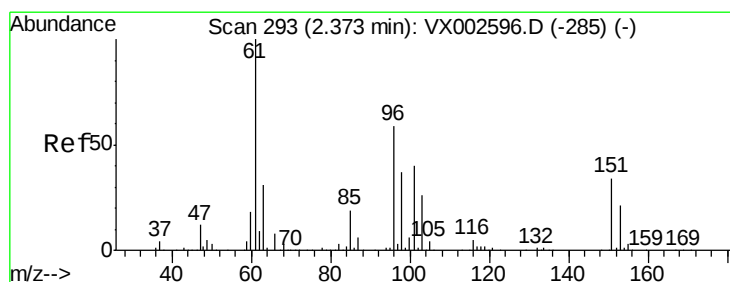
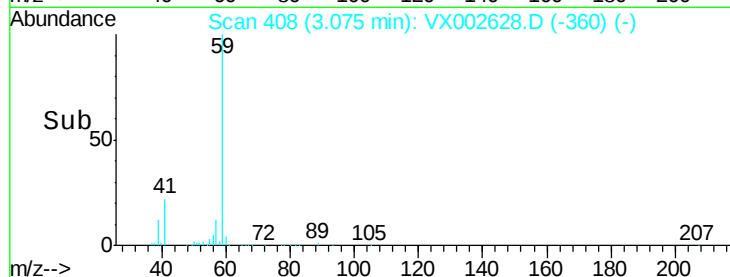
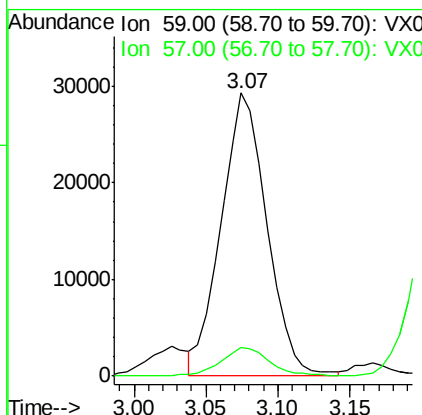
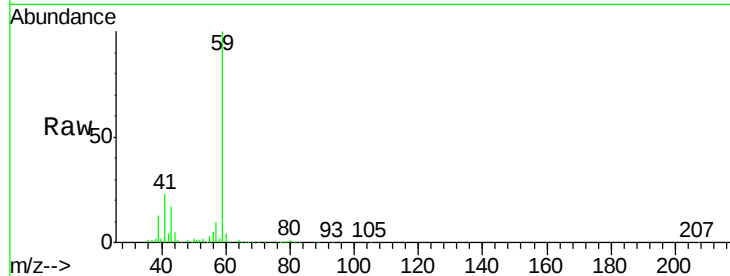
Tert butyl alcohol
 Concen: 131.90 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.1	8.2	12.2

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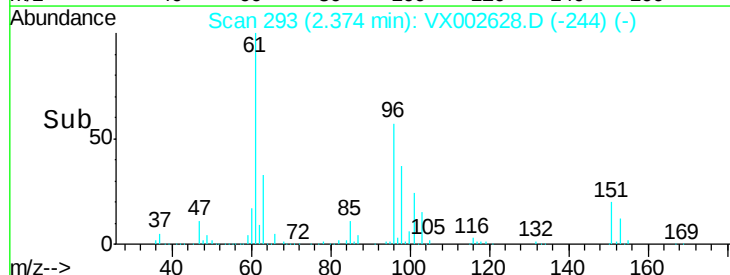
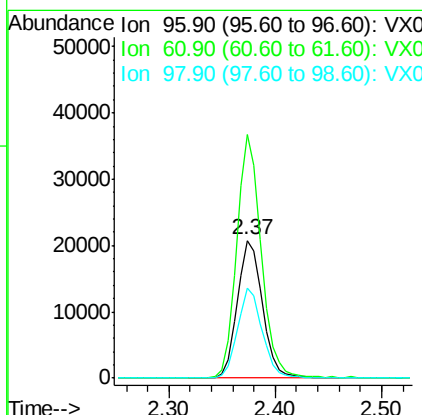
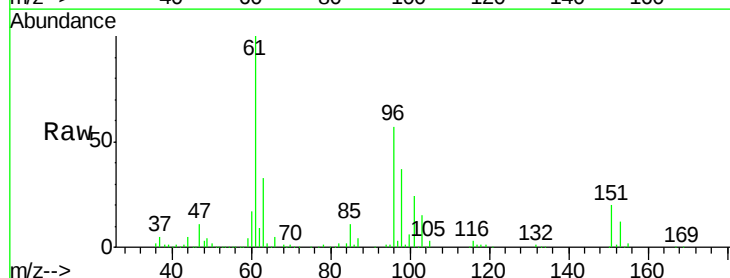
MMDadoda
 6/18/2018 5:12:06 PM

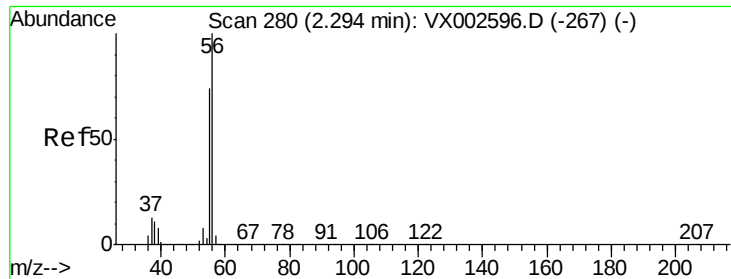


#12

1,1-Dichloroethene
 Concen: 19.95 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	176.5	137.9	206.9
98	98	65.2	51.6	77.4





#13

Acrolein

Concen: 115.94 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 56 Resp: 25711

Ion Ratio Lower Upper

56 100

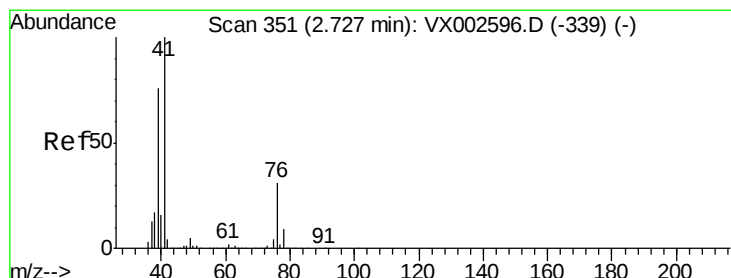
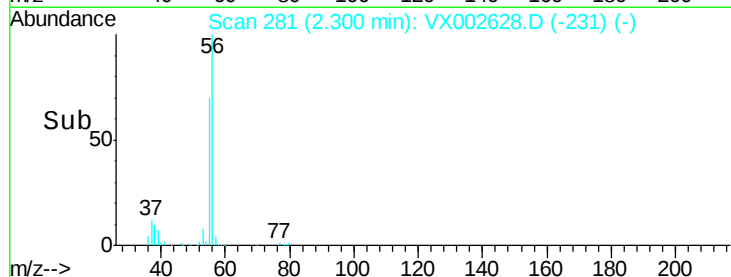
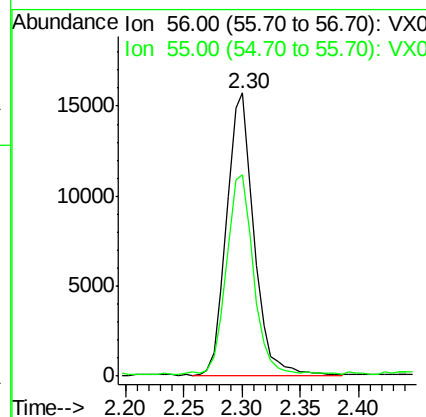
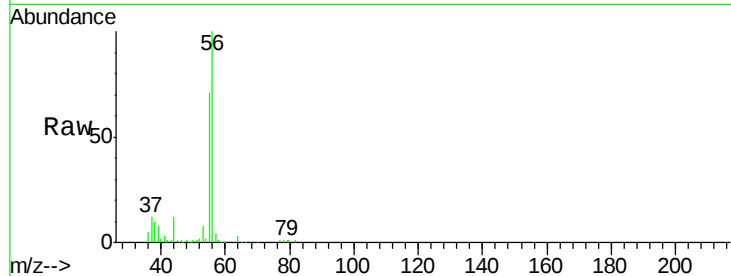
55 70.6 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 23.16 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

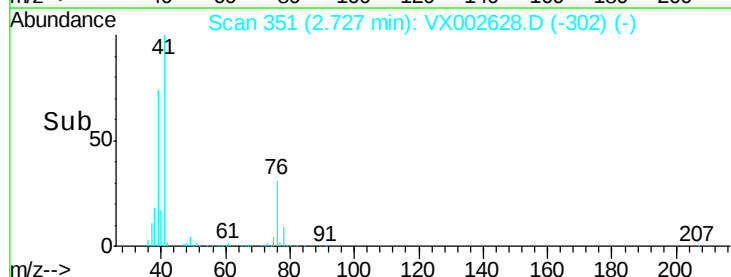
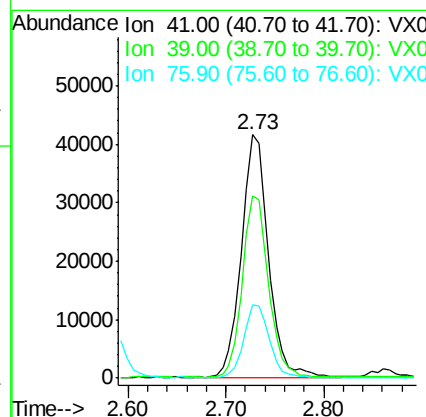
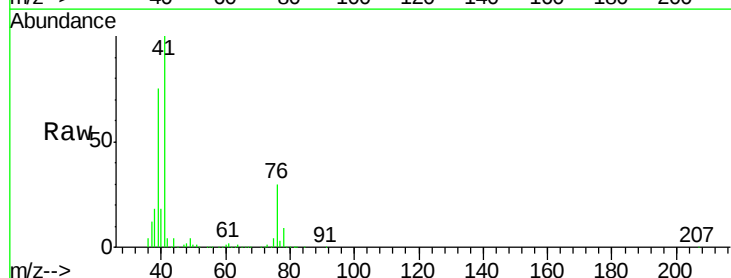
Tgt Ion: 41 Resp: 79986

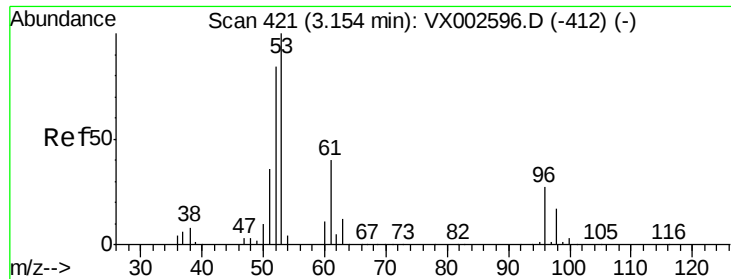
Ion Ratio Lower Upper

41 100

39 72.0 56.8 85.2

76 28.9 23.8 35.8





#15

Acrylonitrile

Concen: 131.89 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

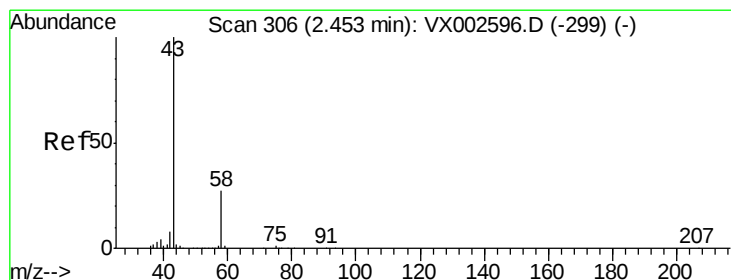
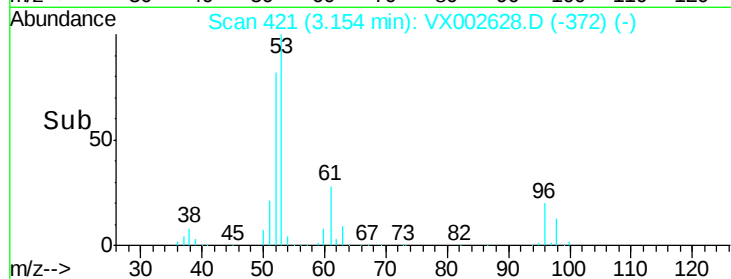
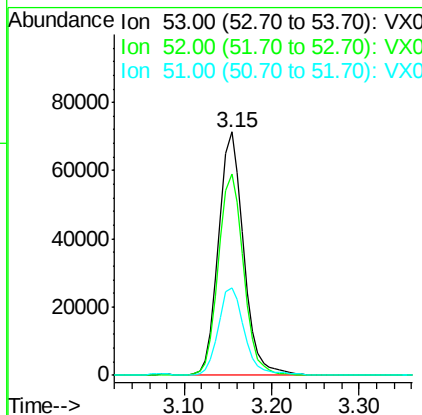
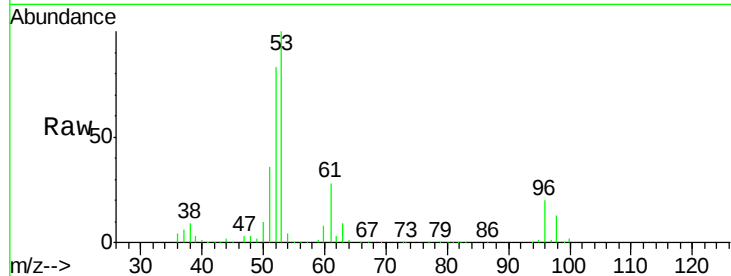
ClientSampleId :

VX0615WBS02

Tot Ion:	53	Resp:	140740
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.7	100.1
51	37.6	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 127.16 ug/l

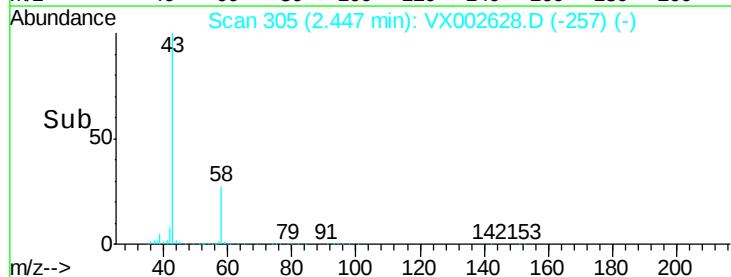
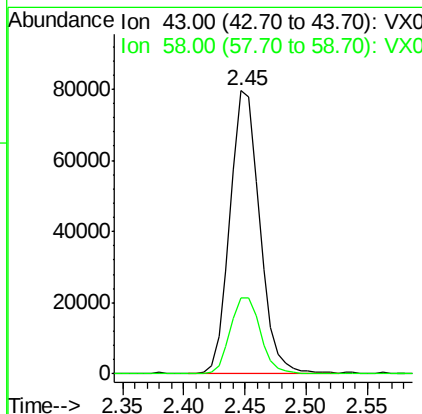
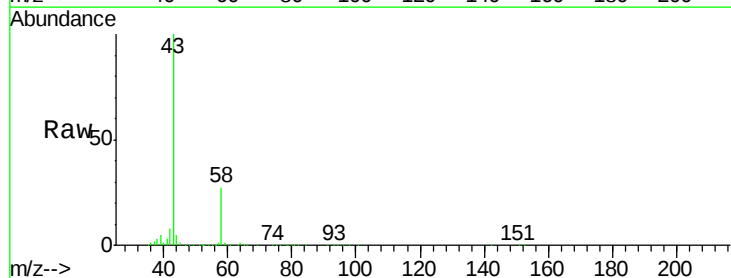
RT: 2.45 min Scan# 305

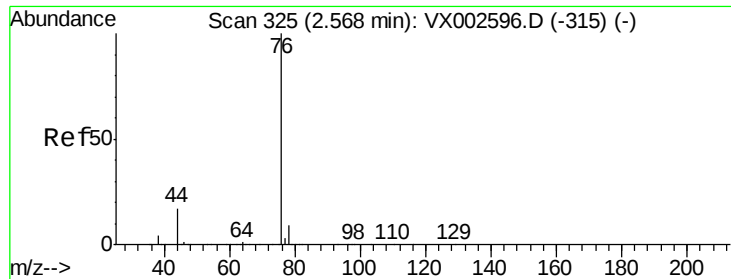
Delta R.T. -0.01 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Tgt Ion:	43	Resp:	132706
Ion Ratio	Lower	Upper	
43	100		
58	27.1	22.1	33.1





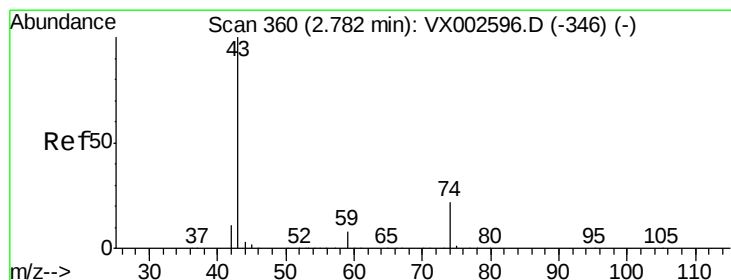
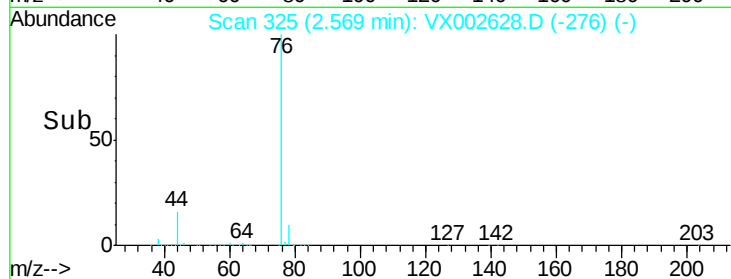
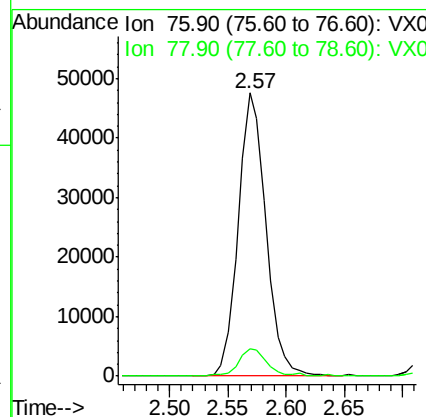
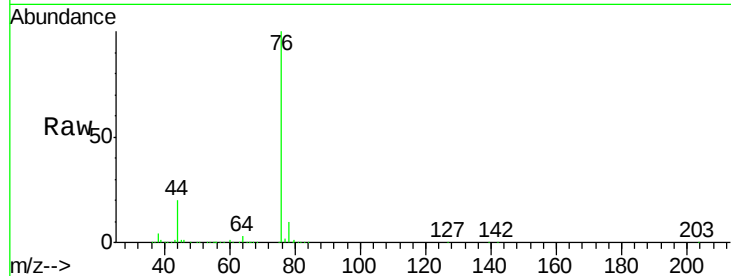
#17
Carbon Disulfide
Concen: 19.14 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.9	10.3

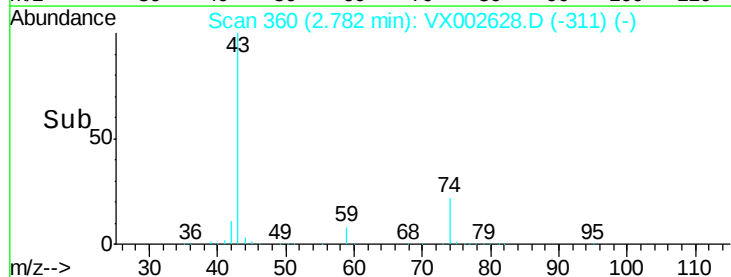
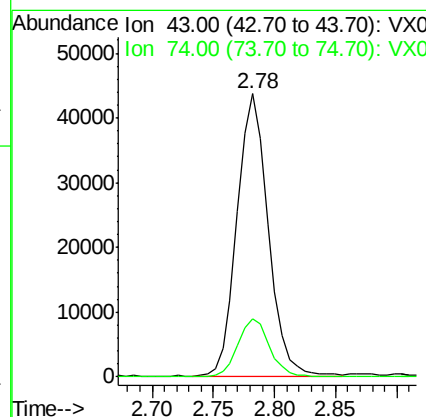
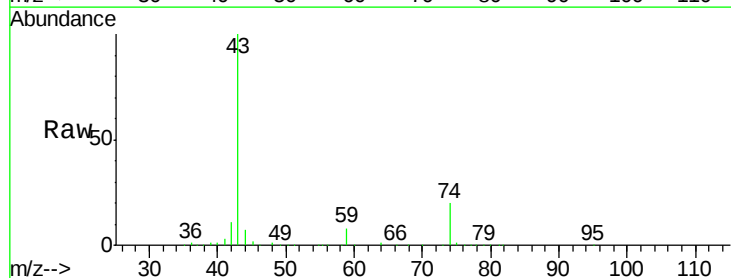
Manual Integrations
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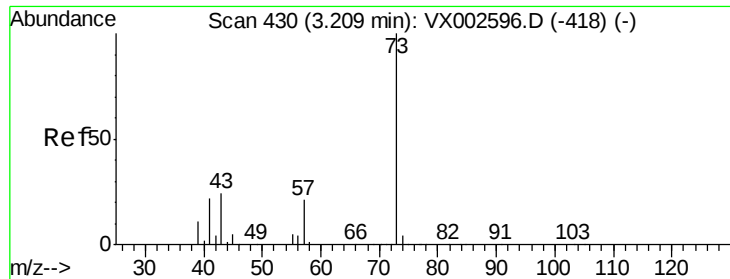
MMDadoda
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#18
Methyl Acetate
Concen: 28.00 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.7	25.1





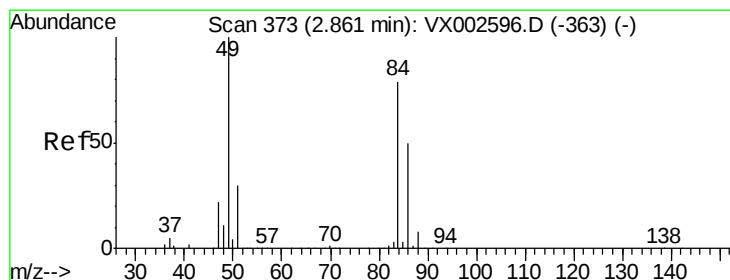
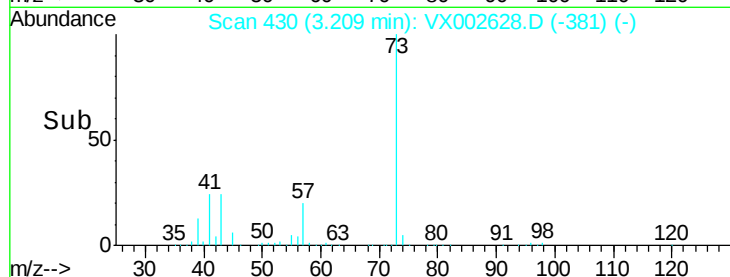
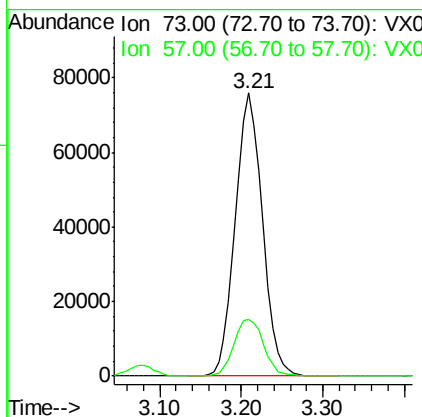
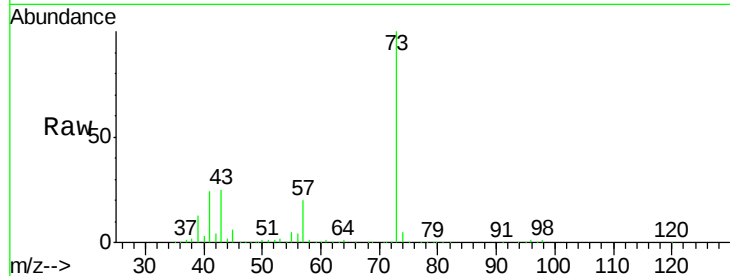
#19
Methyl tert-butyl Ether
Concen: 26.79 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion: 73 Resp: 174794
Ion Ratio Lower Upper
73 100
57 20.1 17.7 26.5

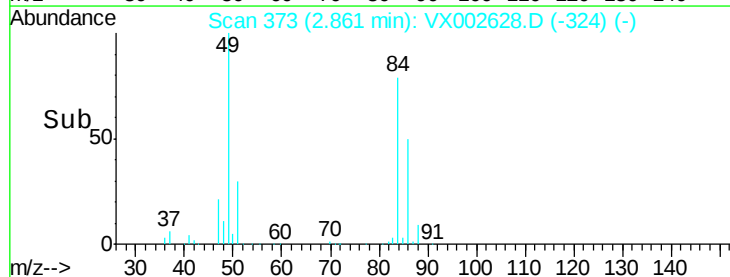
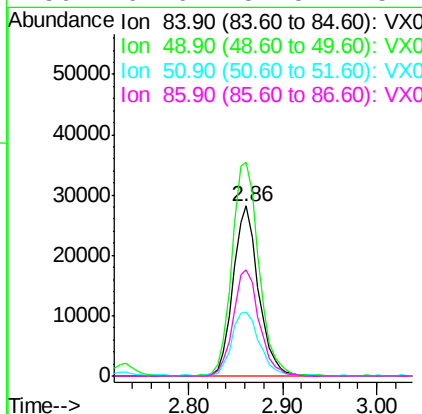
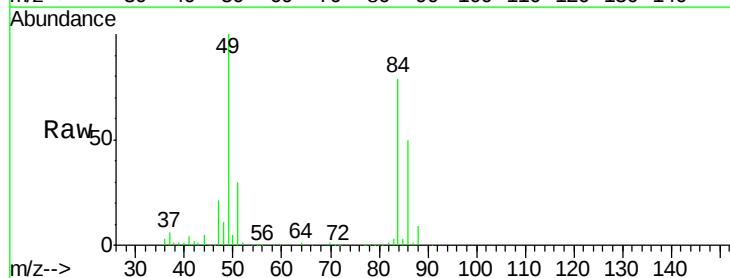
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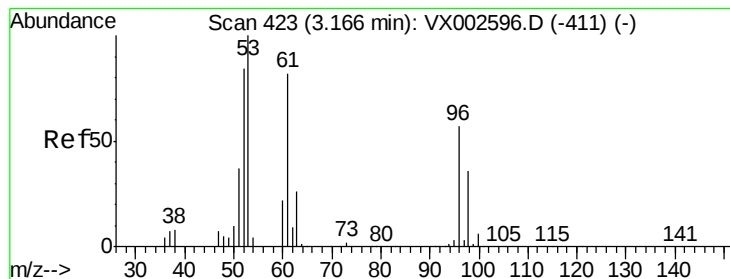
MMDadoda
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#20
Methylene Chloride
Concen: 24.73 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion: 84 Resp: 52913
Ion Ratio Lower Upper
84 100
49 125.8 107.8 161.6
51 38.1 32.8 49.2
86 62.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 22.84 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 96 Resp: 43089

Ion Ratio Lower Upper

96 100

61 141.4 117.0 175.4

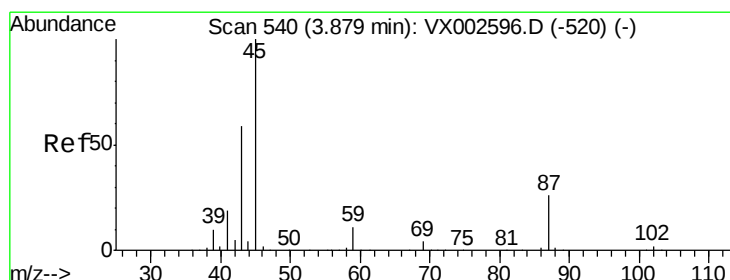
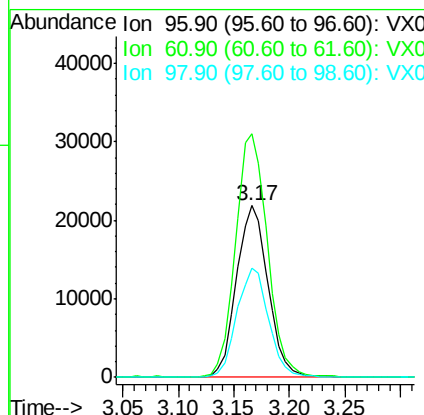
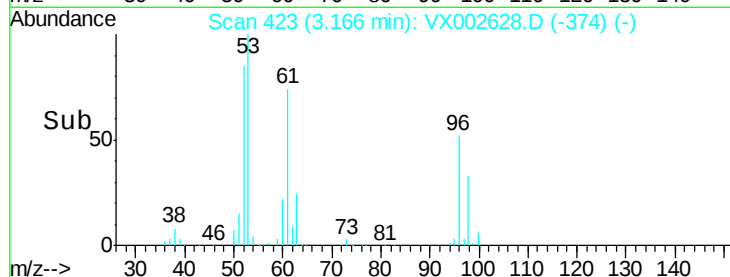
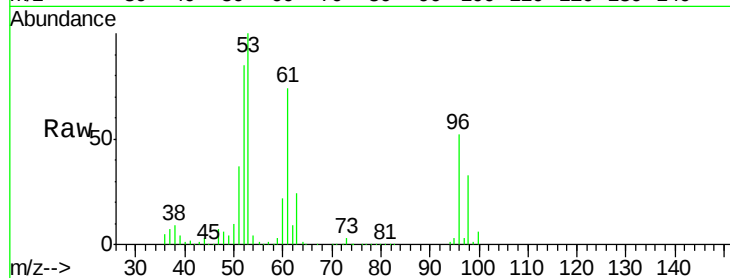
98 63.7 52.4 78.6

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#22

Diisopropyl ether

Concen: 25.50 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Tgt Ion: 45 Resp: 159356

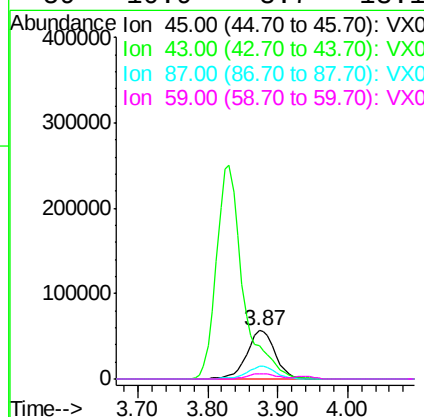
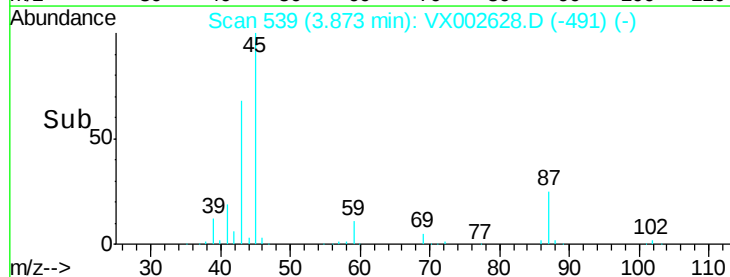
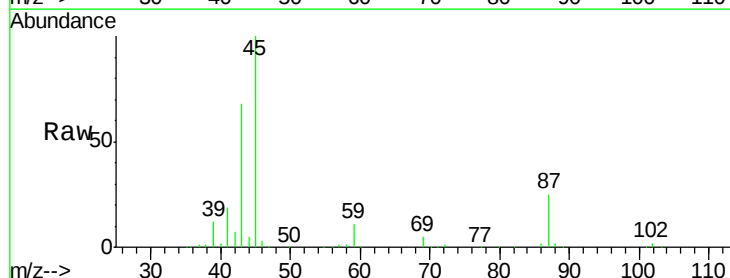
Ion Ratio Lower Upper

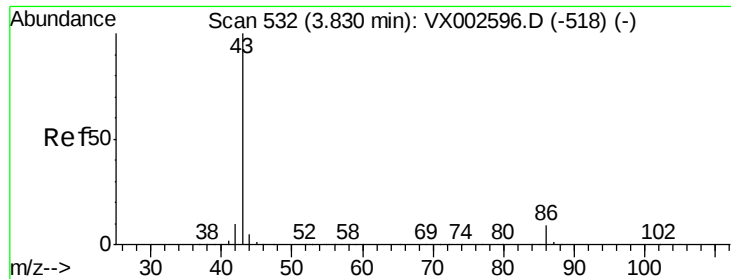
45 100

43 67.3 46.8 70.2

87 25.4 20.2 30.4

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 126.92 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 43 Resp: 663718

Ion Ratio Lower Upper

43 100

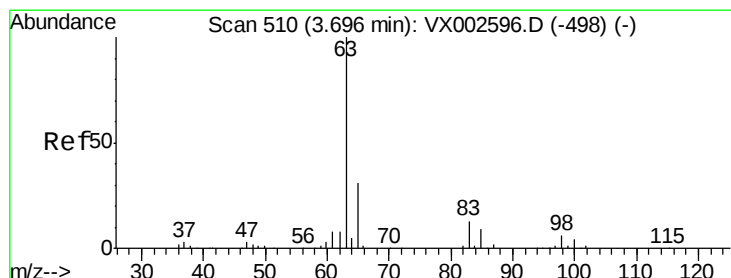
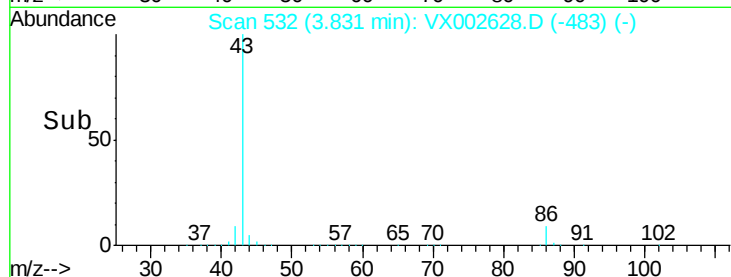
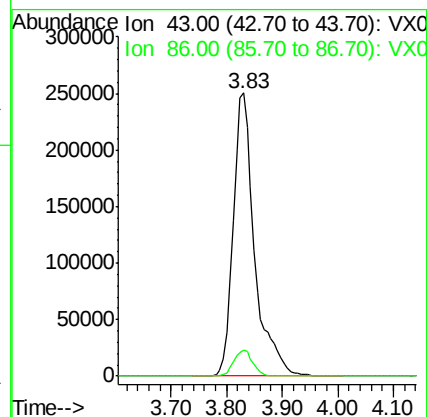
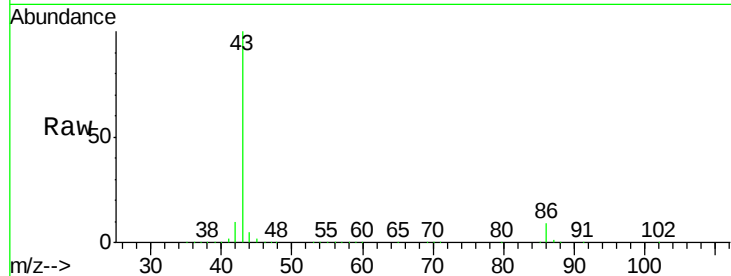
86 9.4 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 25.27 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

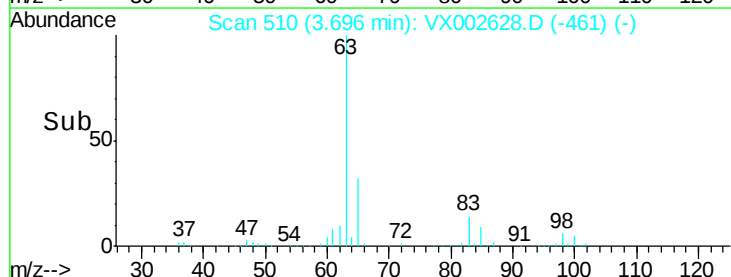
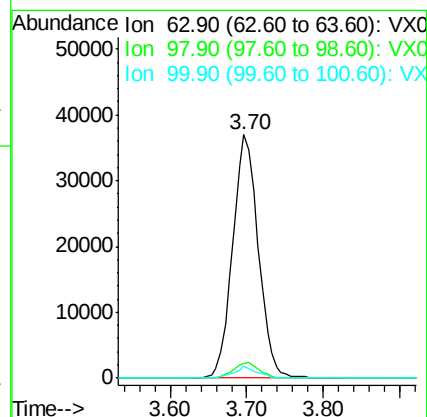
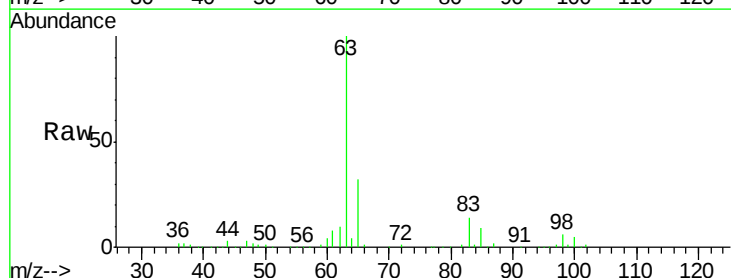
Tgt Ion: 63 Resp: 85711

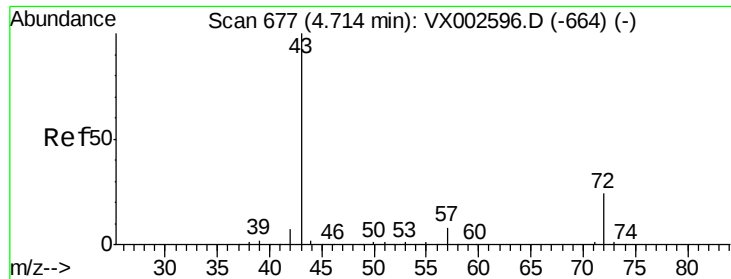
Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.2

100 4.8 2.0 6.0





#25

2-Butanone

Concen: 132.38 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 43 Resp: 181435

Ion Ratio Lower Upper

43 100

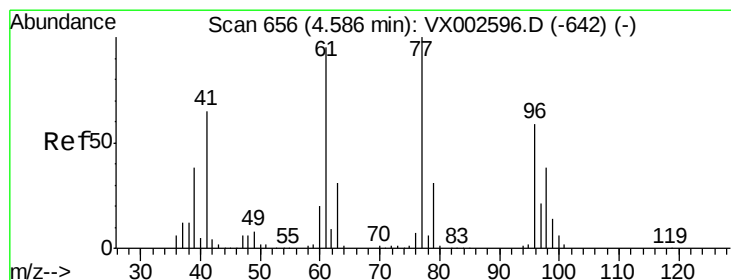
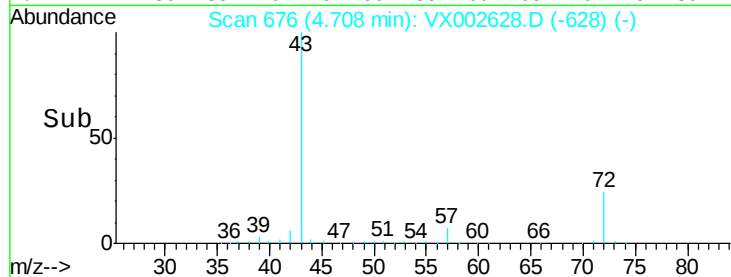
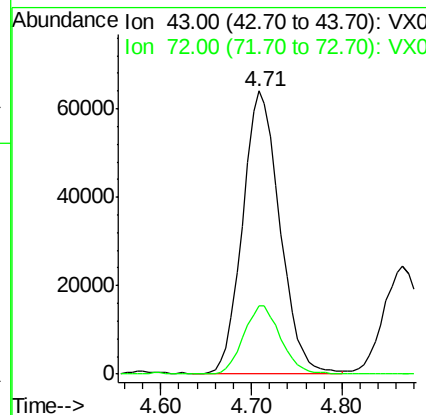
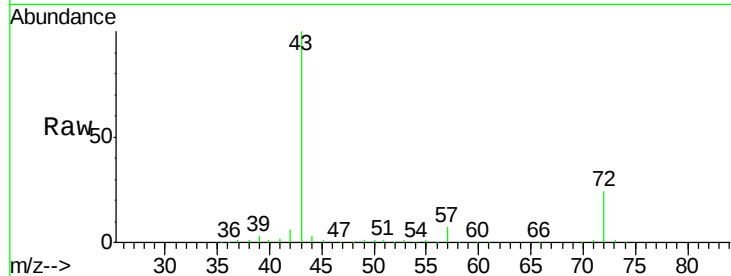
72 24.2 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.83 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002628.D

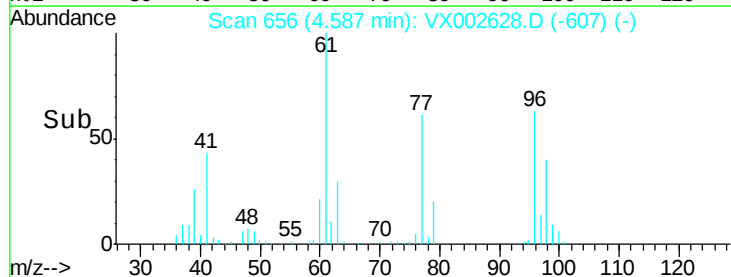
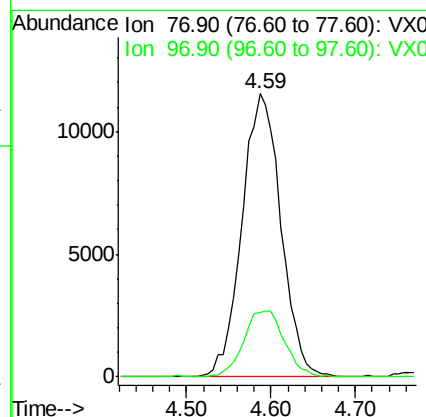
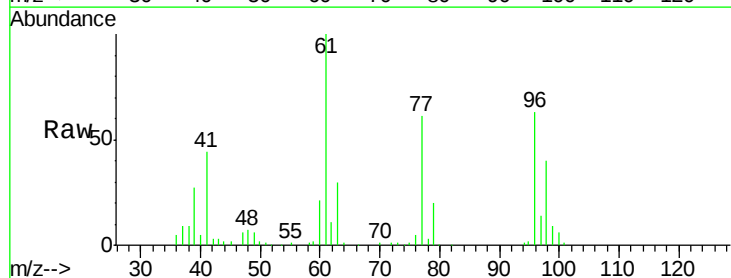
Acq: 16 Jun 2018 06:19

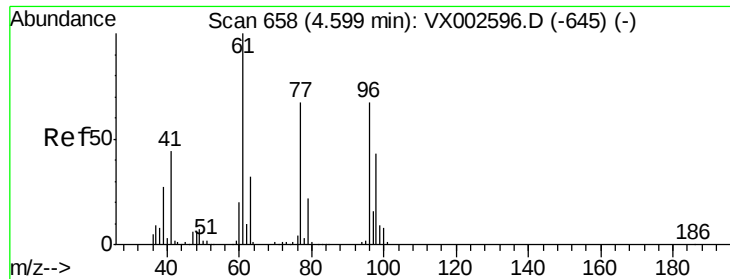
Tgt Ion: 77 Resp: 36135

Ion Ratio Lower Upper

77 100

97 24.5 11.2 33.5





#27

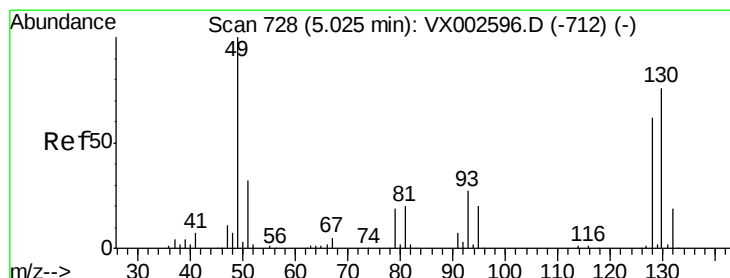
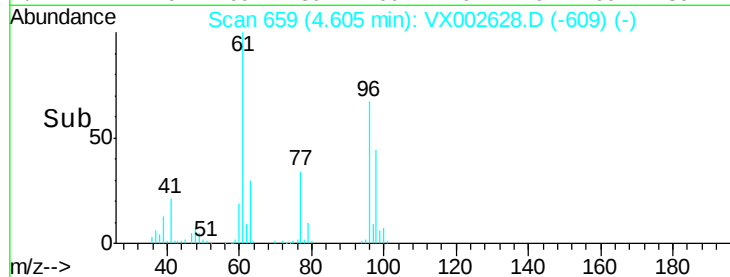
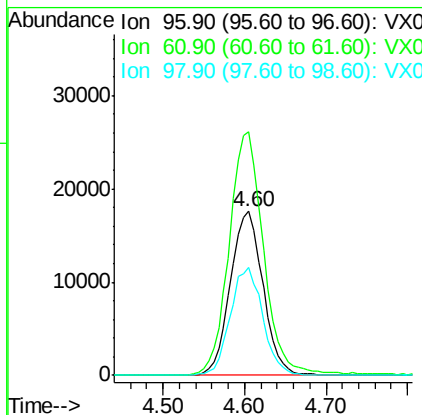
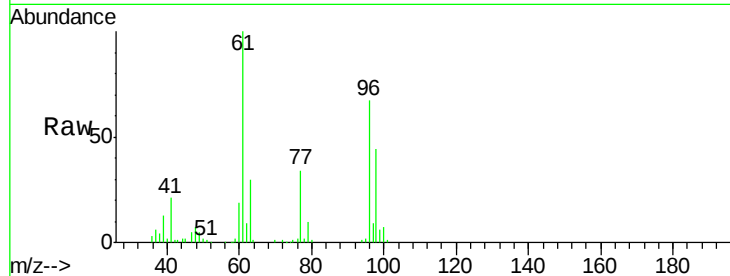
cis-1,2-Dichloroethene
Concen: 25.32 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.5	0.0	330.2	
98	65.4	0.0	130.2	

Manual Integrations
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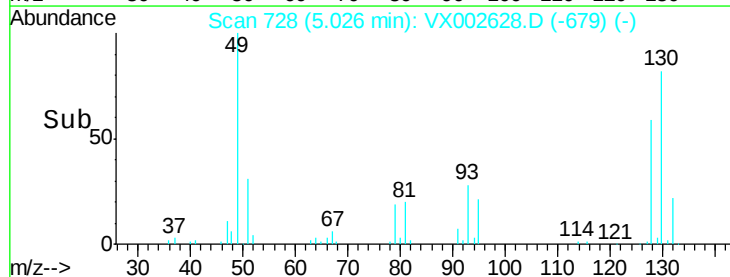
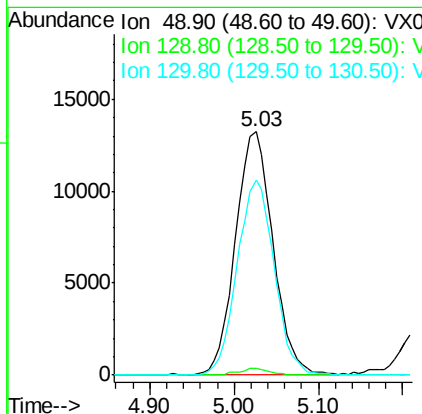
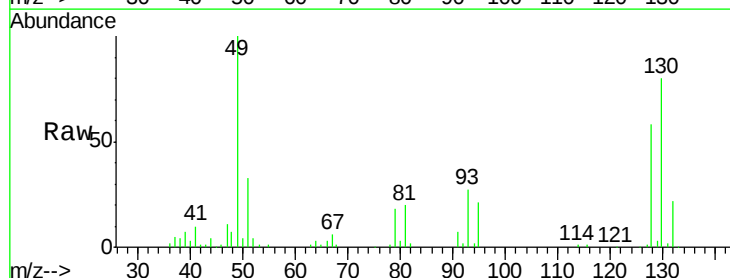
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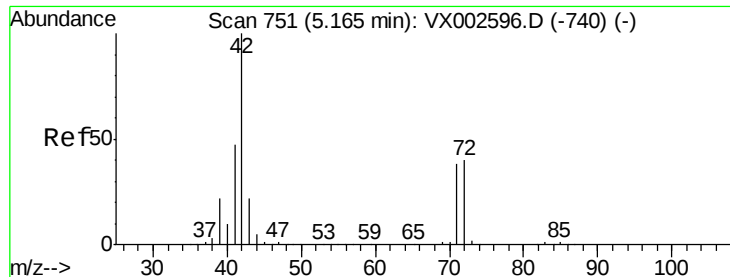


#28

Bromochloromethane
Concen: 25.14 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.2	
130	79.2	61.2	91.8	





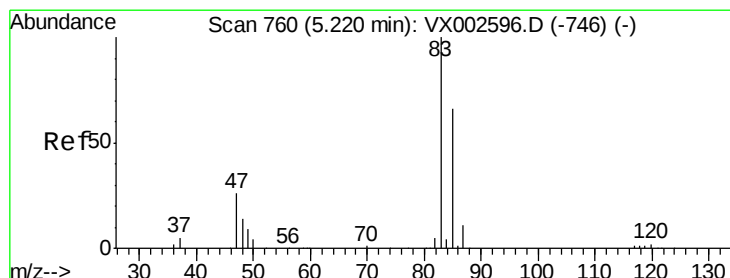
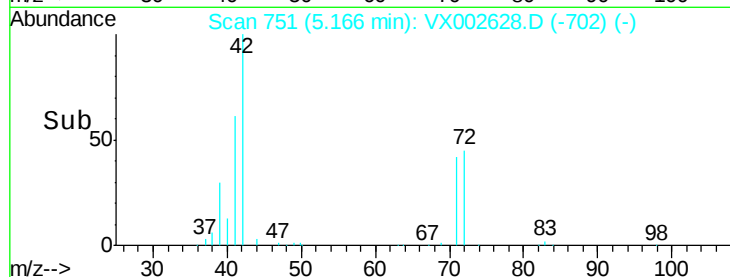
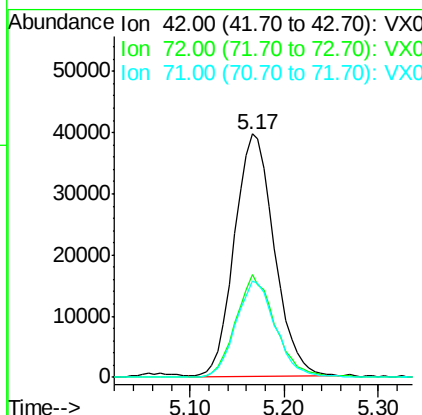
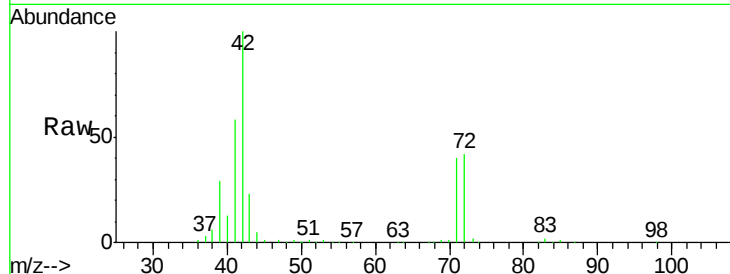
#29
Tetrahydrofuran
Concen: 130.23 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.0	48.0
71	39.7	30.1	45.1

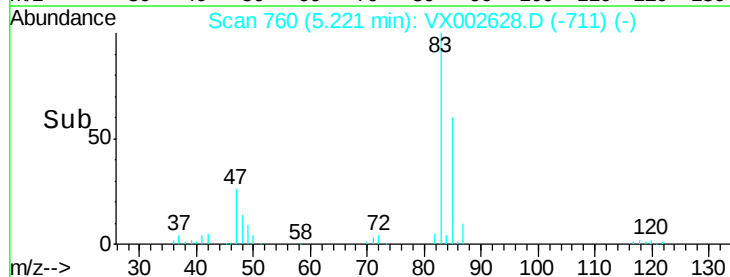
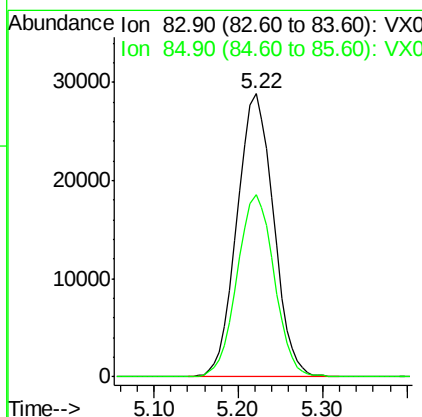
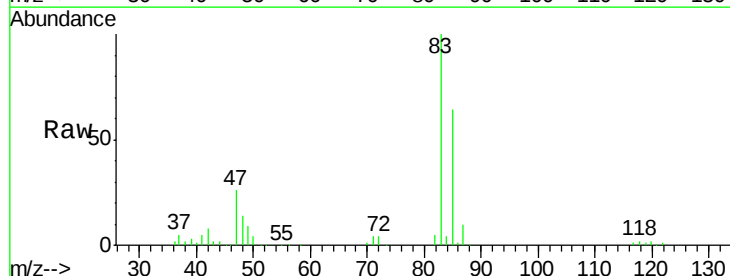
Manual Integrations
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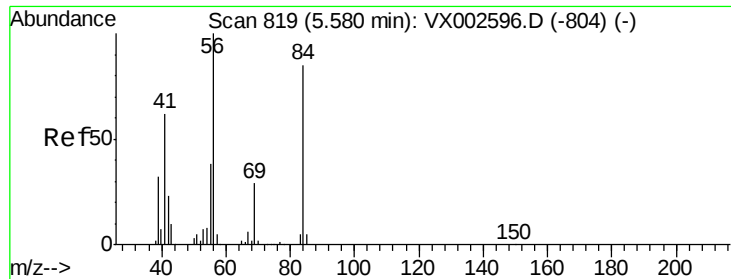
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#30
Chloroform
Concen: 26.00 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6





#31

Cyclohexane

Concen: 14.59 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

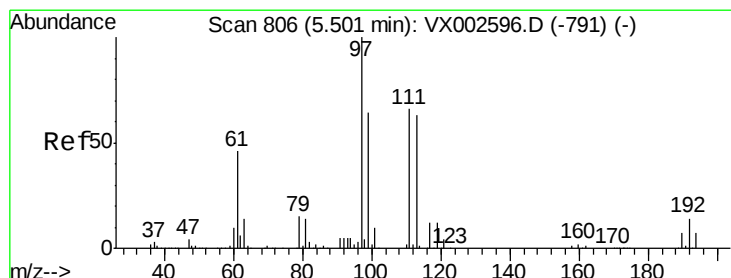
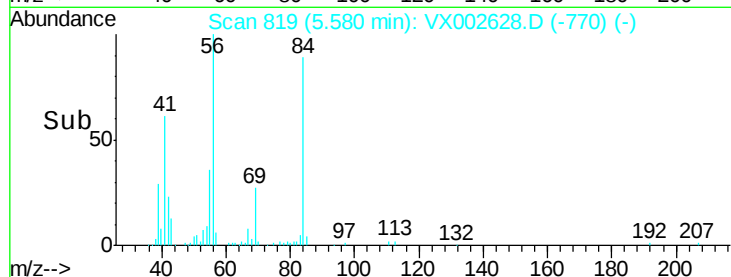
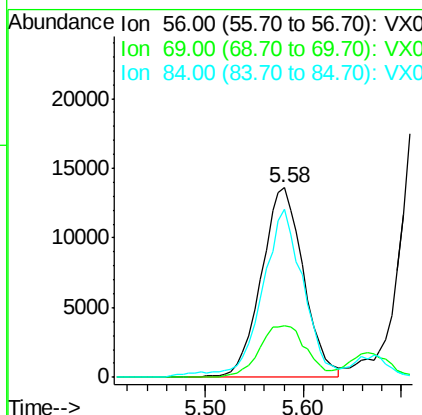
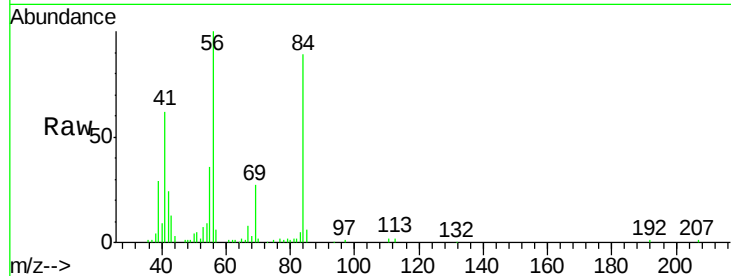
ClientSampleId :

VX0615WBS02

Tot Ion:	56	Resp:	40751
Ion Ratio	Lower	Upper	
56	100		
69	27.0	23.7	35.5
84	86.4	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.31 ug/l

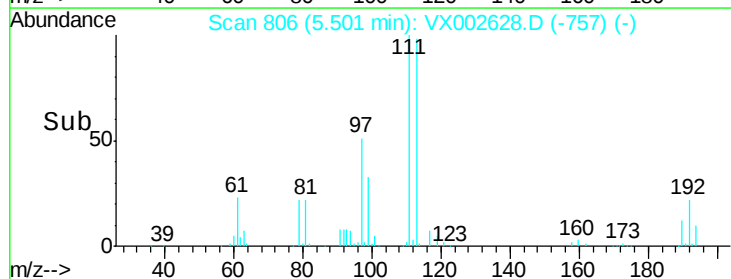
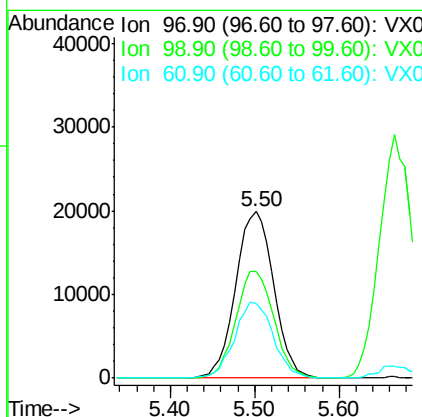
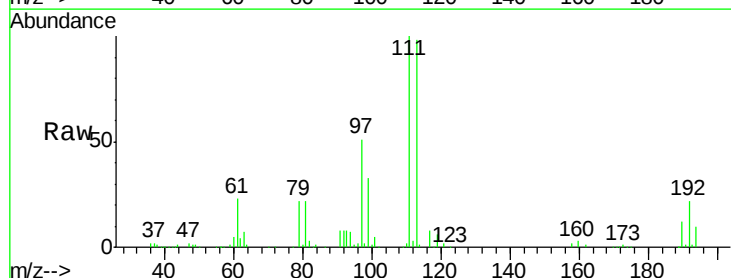
RT: 5.50 min Scan# 806

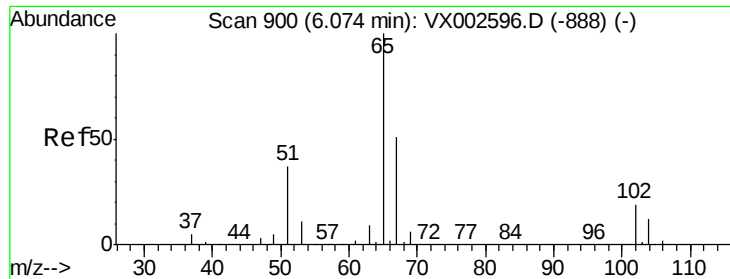
Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Tgt Ion:	97	Resp:	61021
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.6	77.4
61	46.5	36.4	54.6





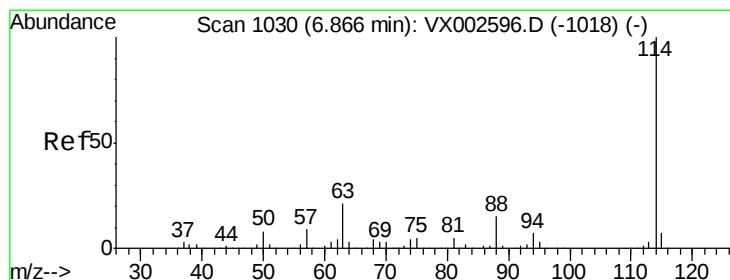
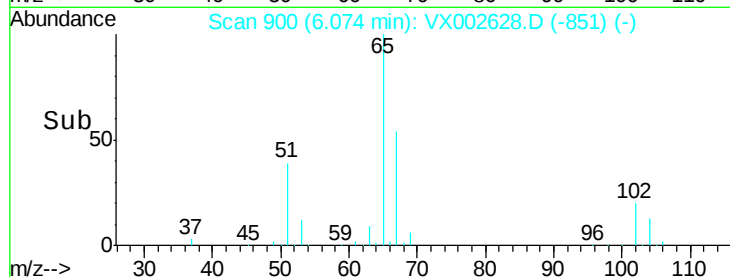
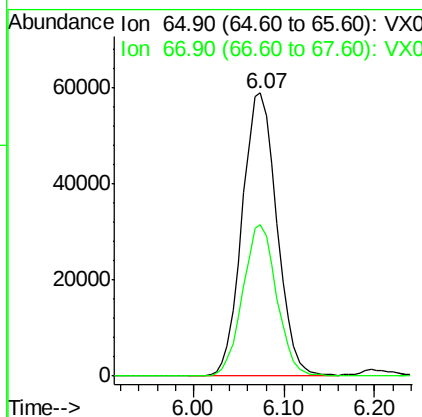
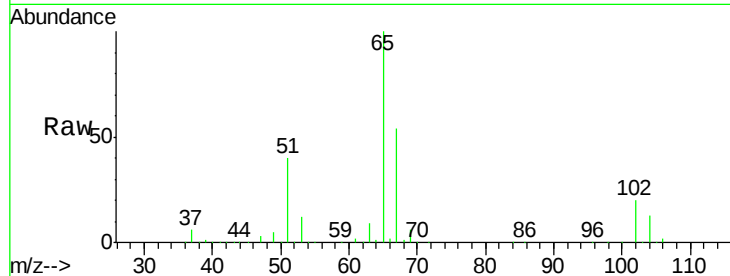
#33
 1,2-Dichloroethane-d4
 Concen: 66.10 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.6

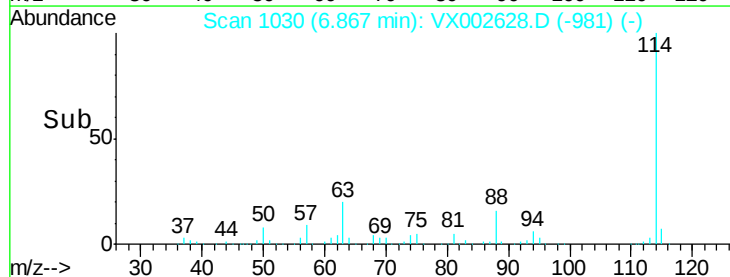
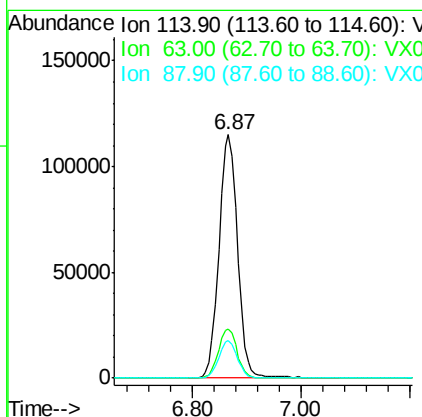
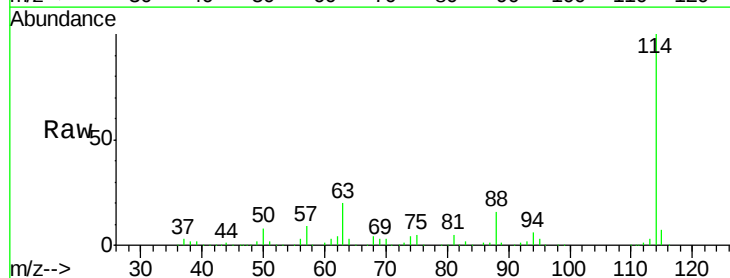
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.4
88	15.5	0.0	30.0





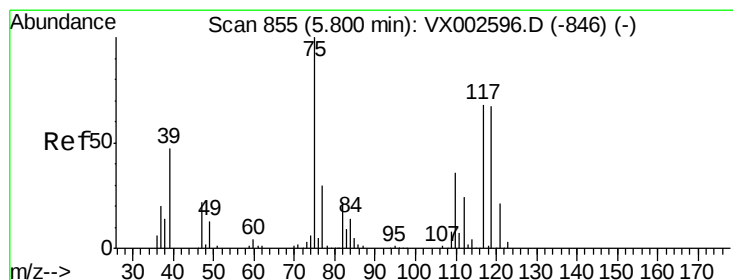
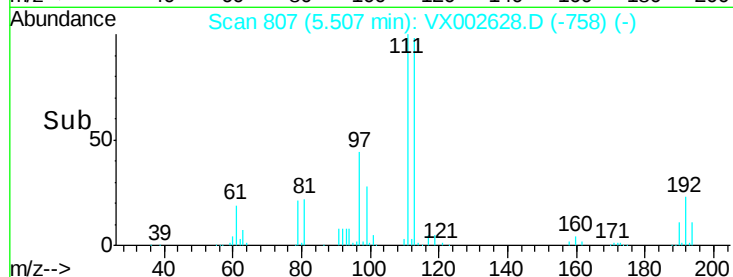
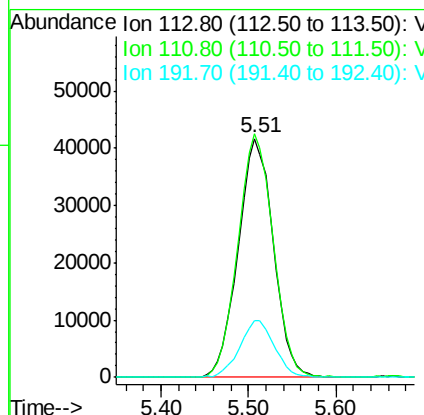
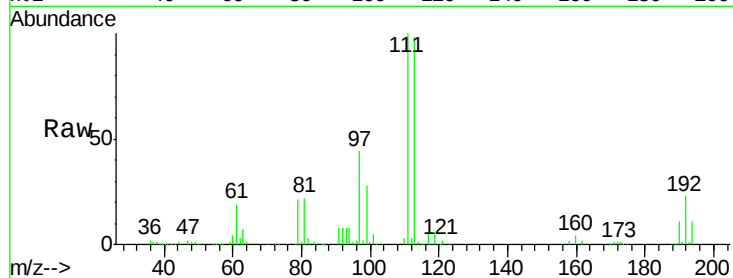
#35
Dibromofluoromethane
Concen: 53.60 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117048		
111	101.9	81.4	122.0	
192	23.4	19.1	28.7	

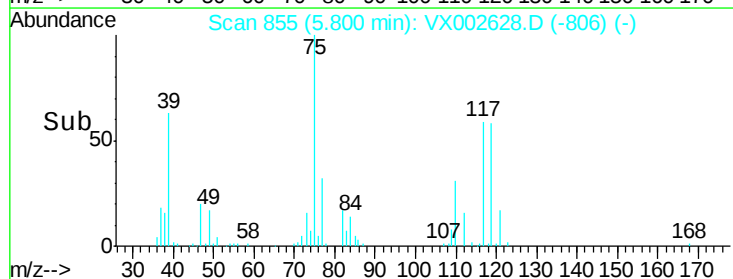
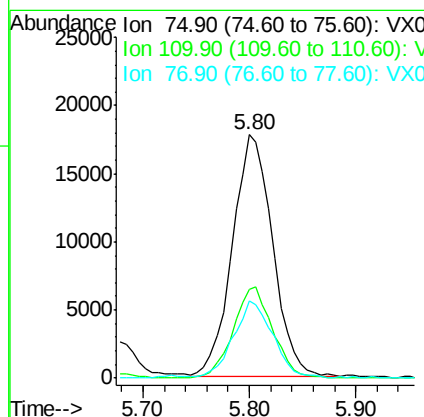
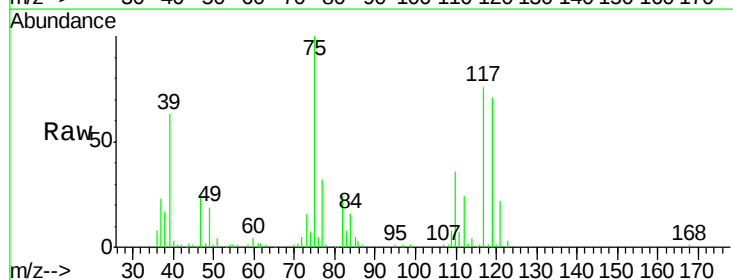
Manual Integrations
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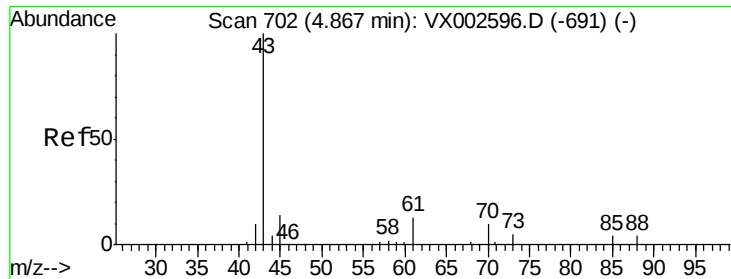
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#36
1,1-Dichloropropene
Concen: 16.13 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46867		
110	36.9	18.1	54.4	
77	31.6	24.3	36.5	





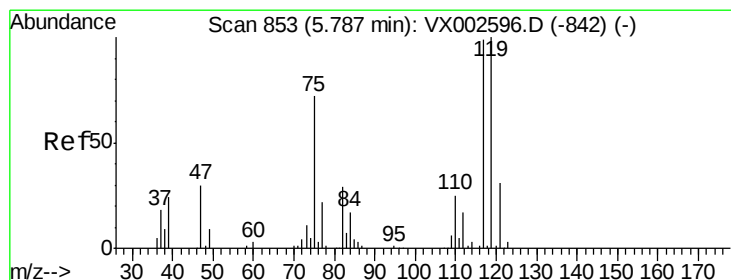
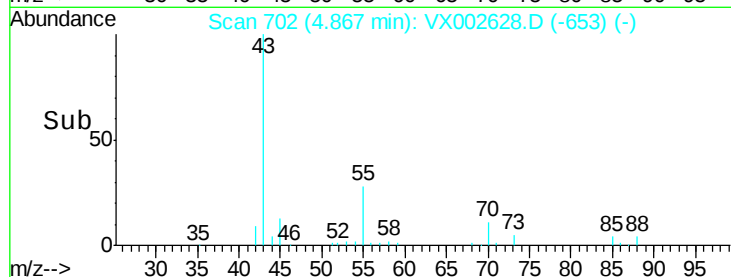
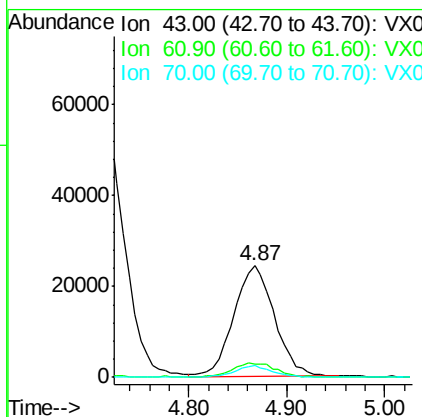
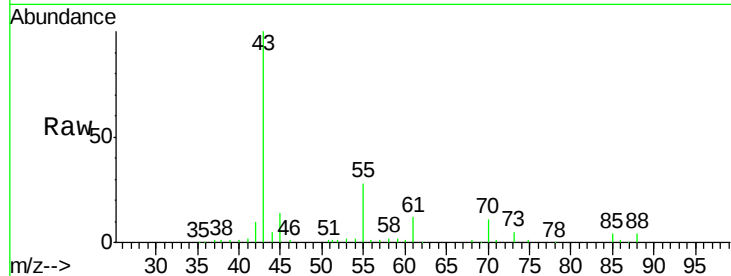
#37
Ethyl Acetate
Concen: 21.32 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.4	15.6
70	10.1	7.6	11.4

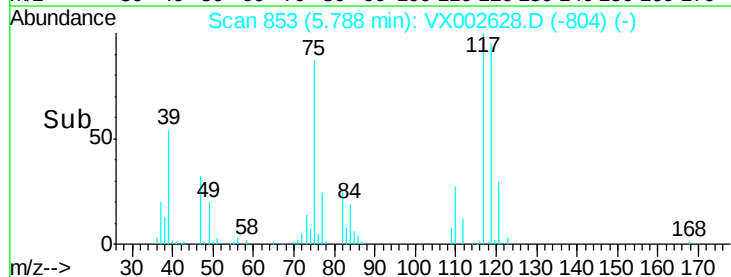
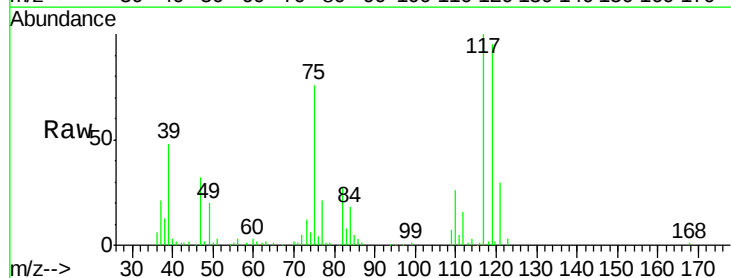
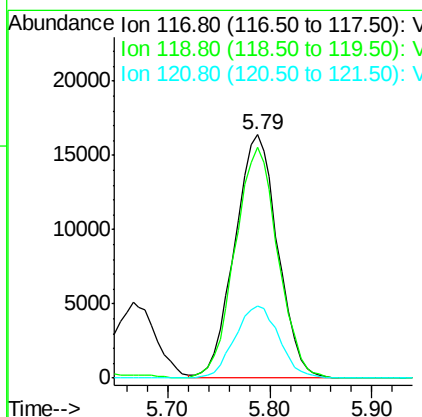
Manual Integrations
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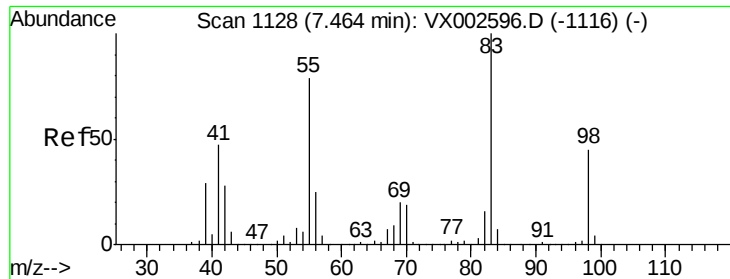
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#38
Carbon Tetrachloride
Concen: 16.60 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.4	116.0
121	29.8	24.4	36.6





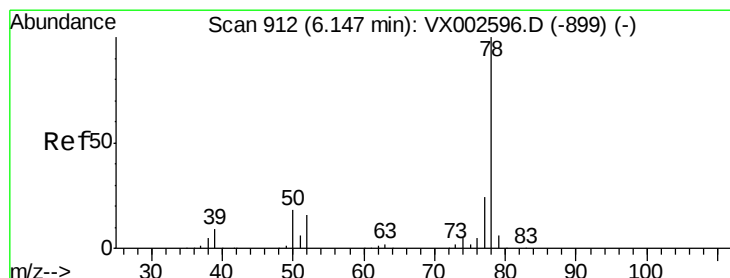
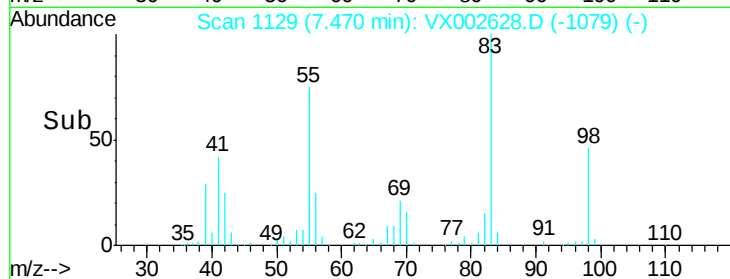
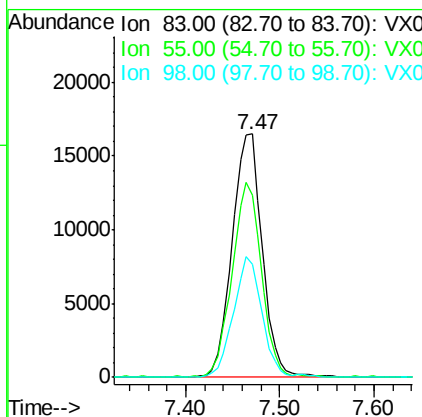
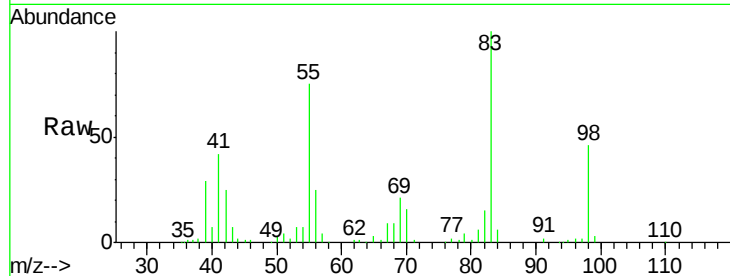
#39
Methvlcvclohexane
Concen: 10.80 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	65.4	98.0
98	46.2	37.4	56.0

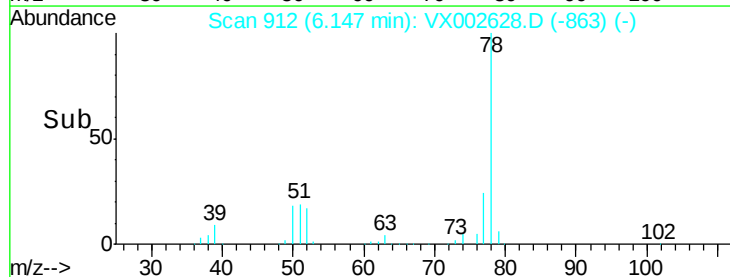
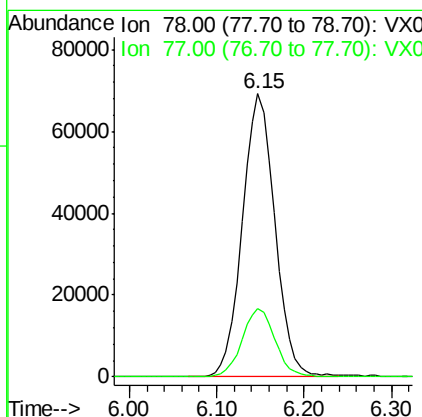
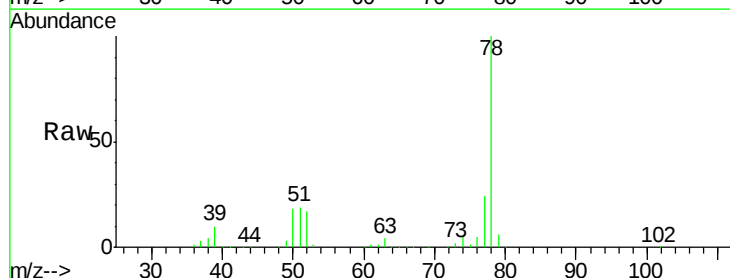
Manual Integrations
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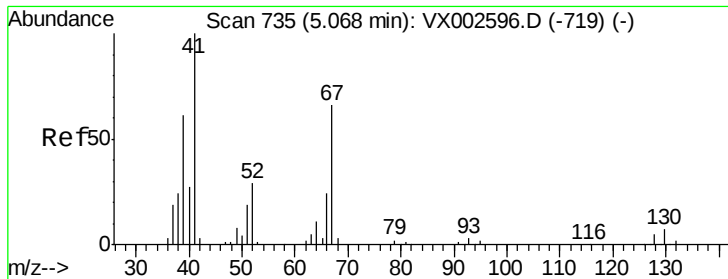
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#40
Benzene
Concen: 20.53 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





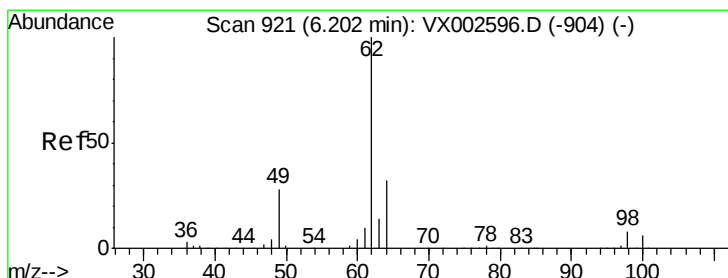
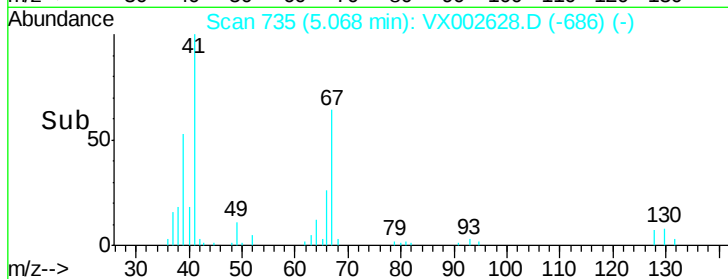
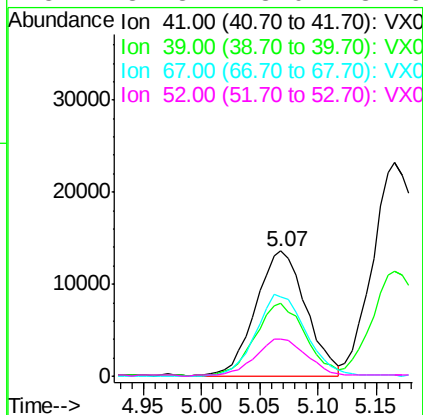
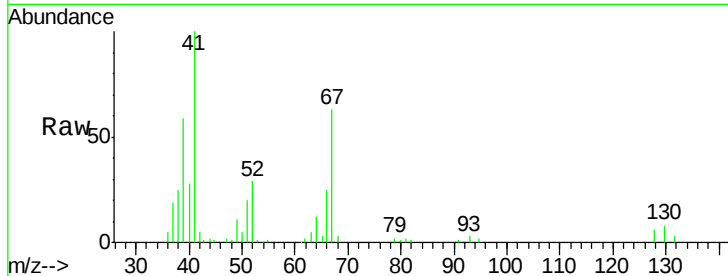
#41
Methacrylonitrile
Concen: 21.78 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.1	45.8	68.6	
67	66.1	51.3	76.9	
52	31.3	23.0	34.6	

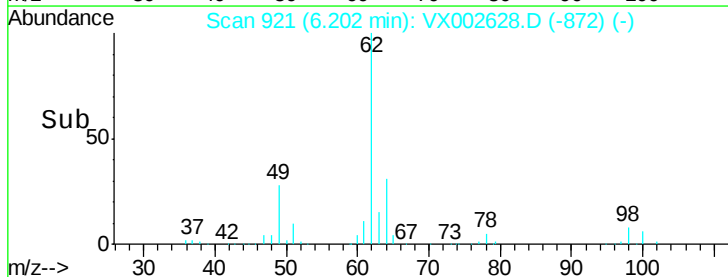
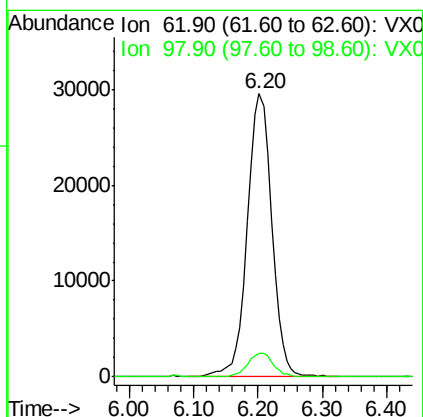
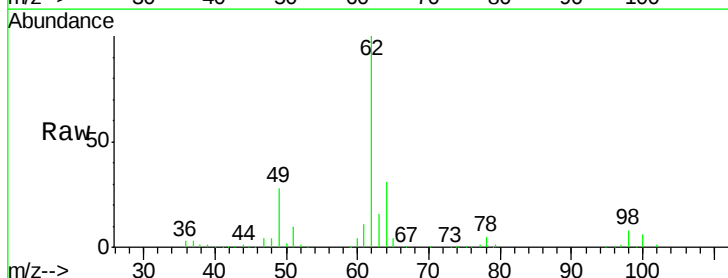
Manual Integrations
APPROVED

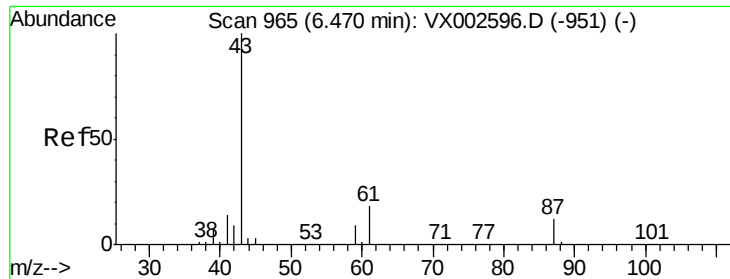
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.82 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.6	





#43

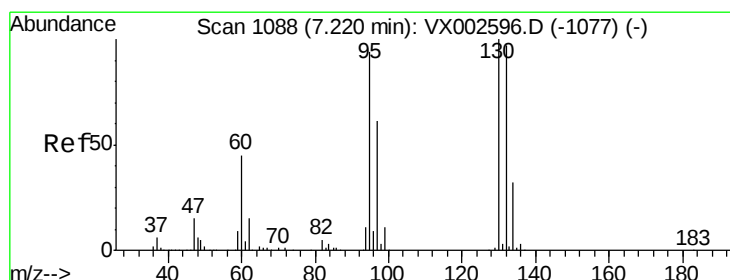
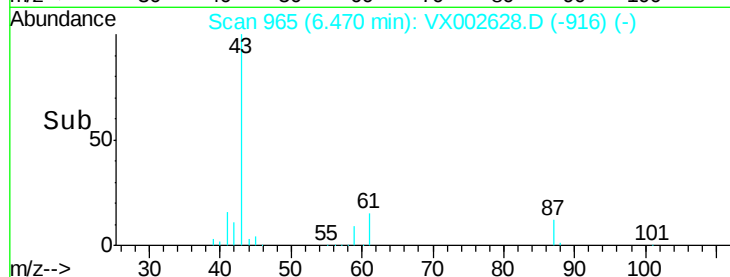
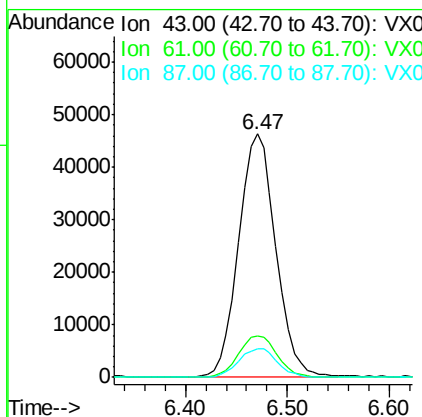
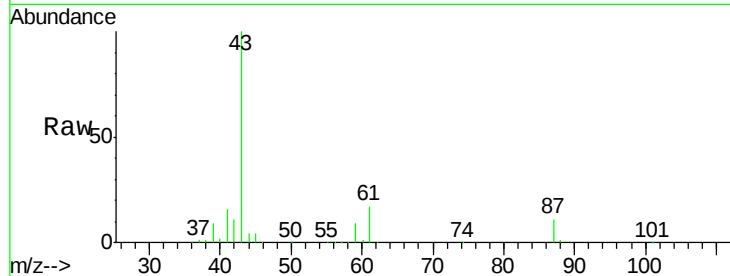
Isopropyl Acetate
 Concen: 21.41 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	12.3	9.5	14.3

Manual Integrations
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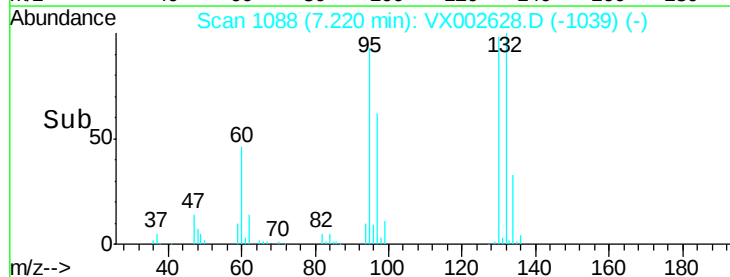
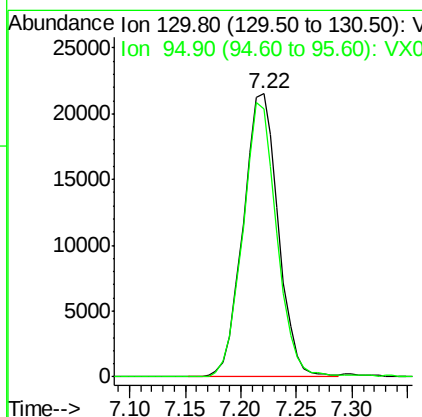
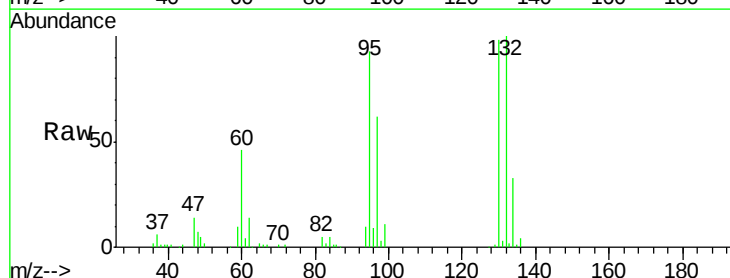
MMDadoda
 6/18/2018 5:12:06 PM

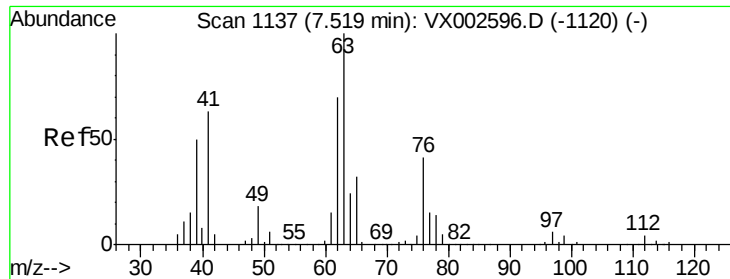


#44

Trichloroethene
 Concen: 18.72 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	185.4





#45

1,2-Dichloropropane

Concen: 21.26 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 63 Resp: 48764

Ion Ratio Lower Upper

63 100

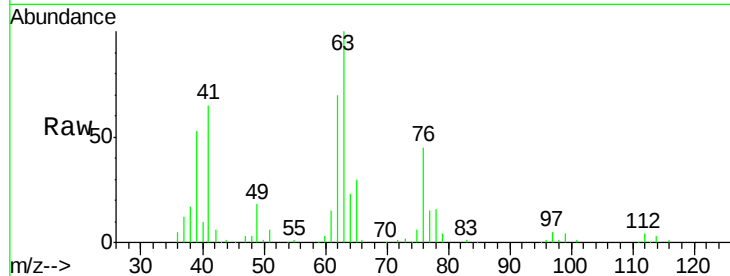
65 30.4 24.7 37.1

Manual Integrations

APPROVED

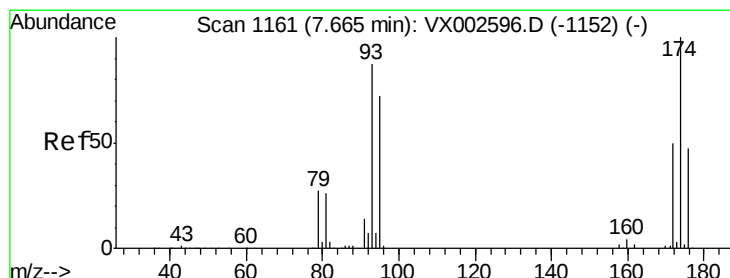
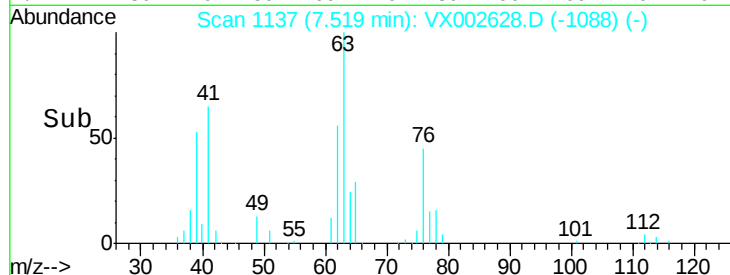
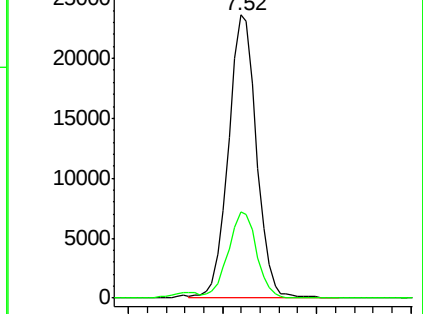
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 22.72 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

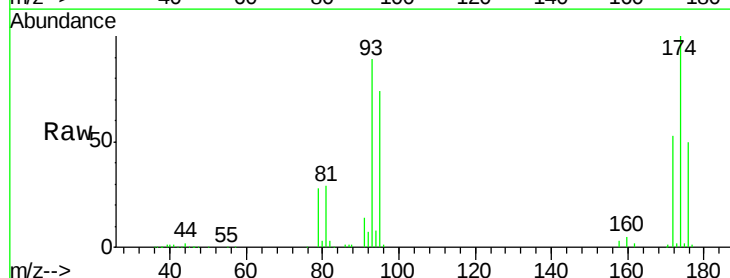
Tgt Ion: 93 Resp: 34857

Ion Ratio Lower Upper

93 100

95 82.4 65.9 98.9

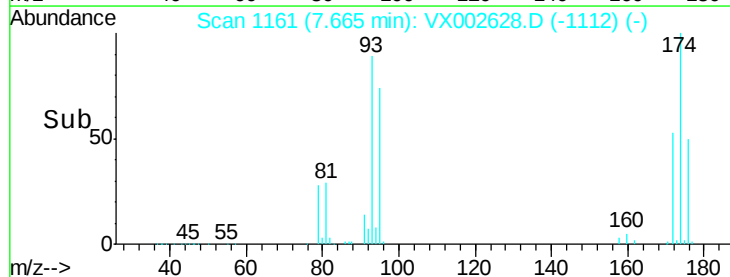
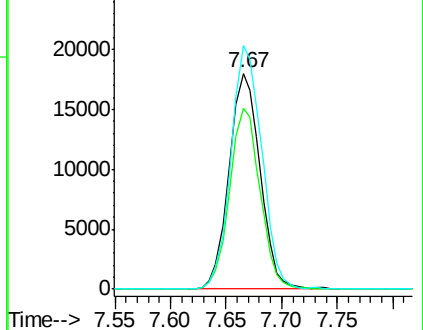
174 111.8 92.4 138.6

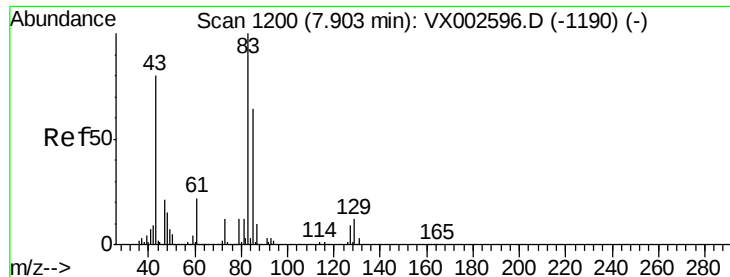


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.06 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

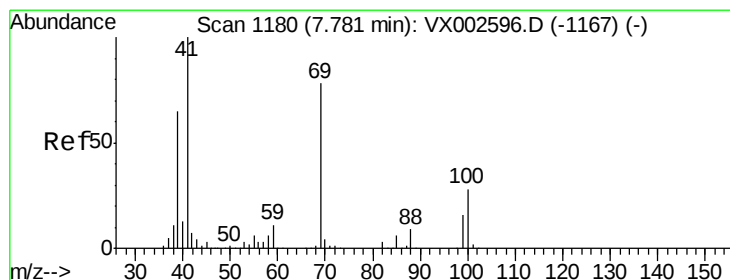
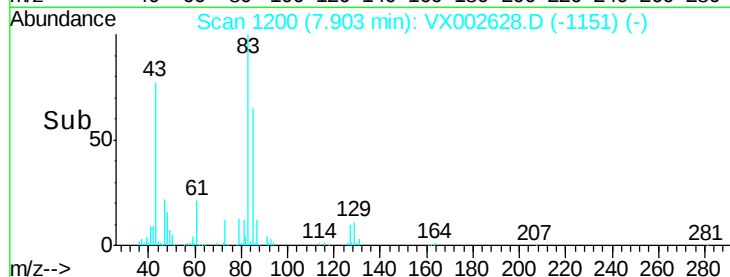
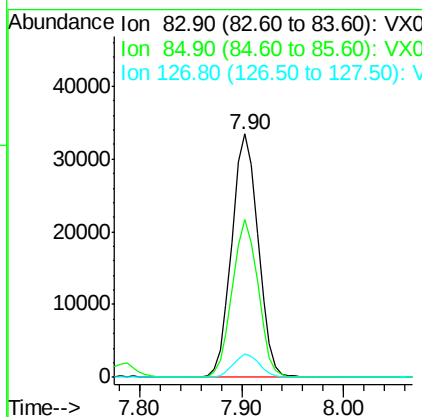
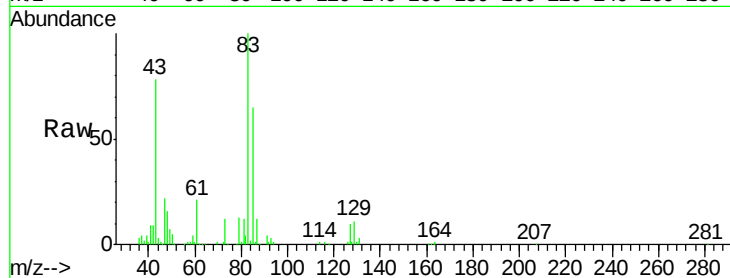
ClientSampleId :

VX0615WBS02

Tot Ion:	83	Resp:	59693
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5
127	9.8	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.70 ug/l

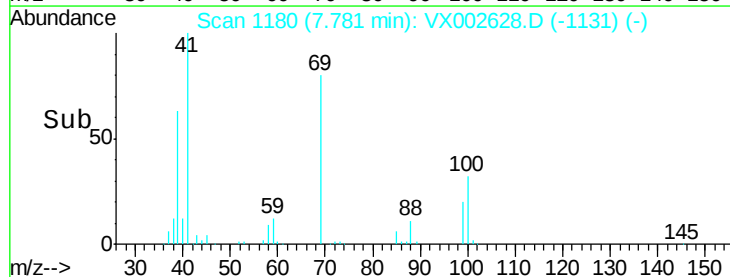
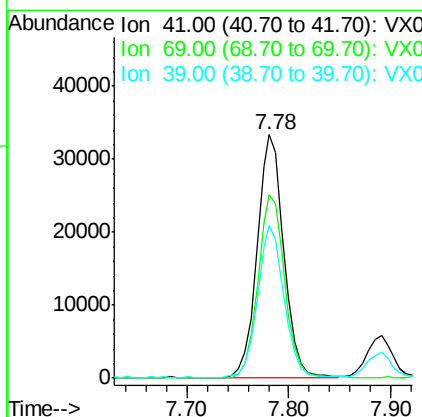
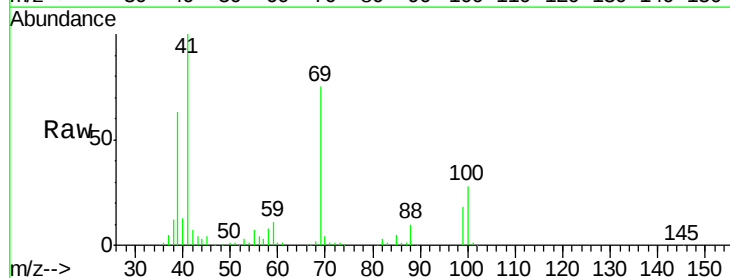
RT: 7.78 min Scan# 1180

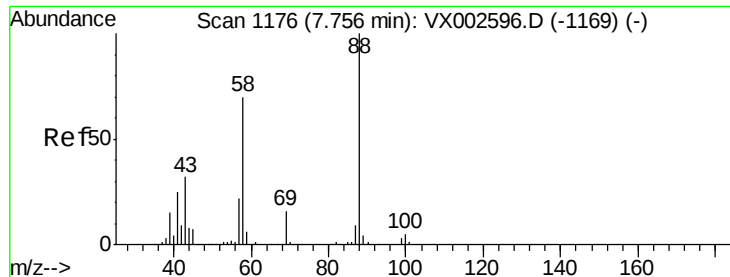
Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Tgt Ion:	41	Resp:	60424
Ion	Ratio	Lower	Upper
41	100		
69	76.3	59.1	88.7
39	63.6	48.9	73.3





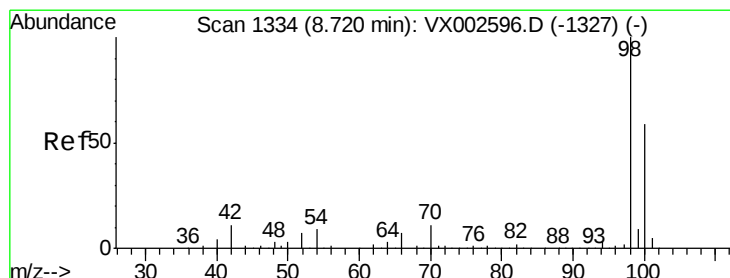
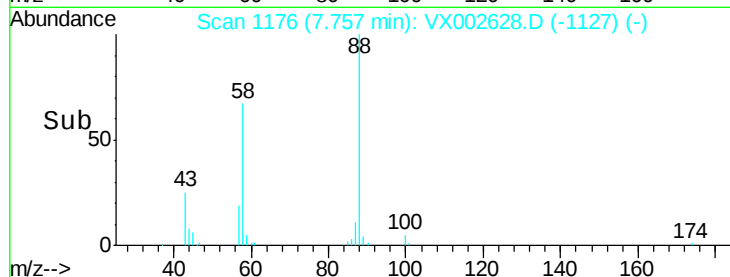
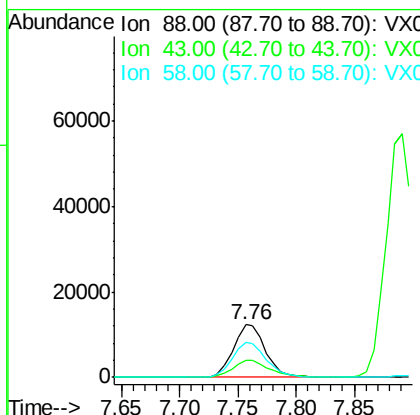
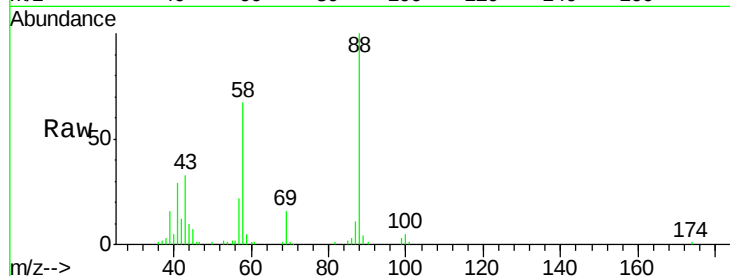
#49
1,4-Dioxane
Concen: 448.37 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	29.8	44.6
58	70.6	57.1	85.7

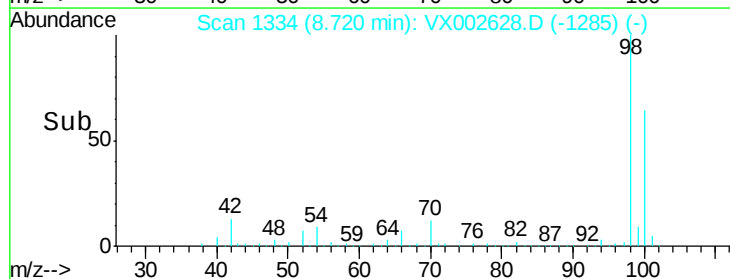
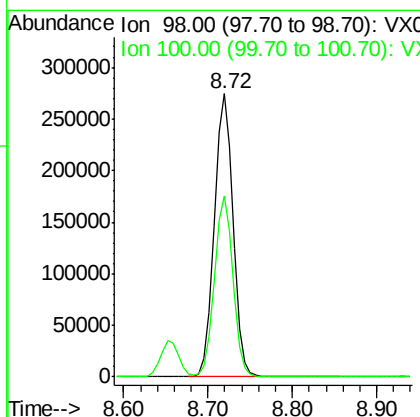
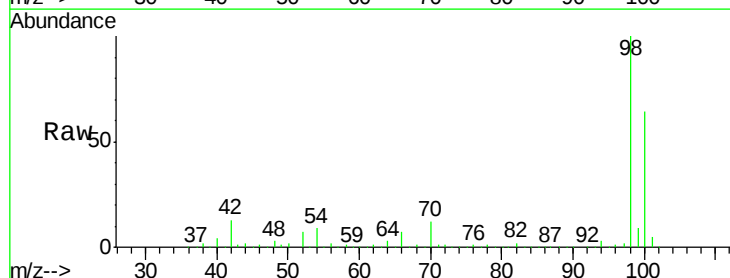
Manual Integrations
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#50
Toluene-d8
Concen: 51.23 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.9	76.3





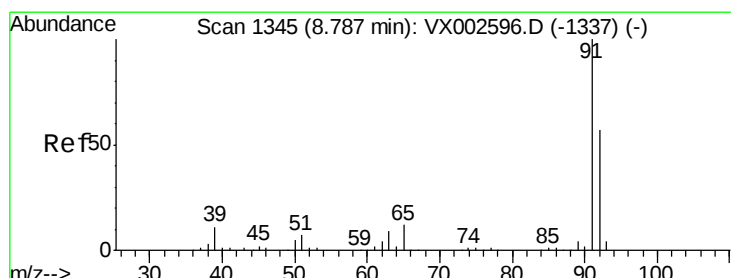
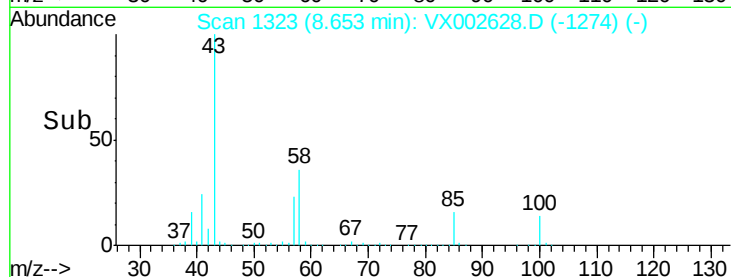
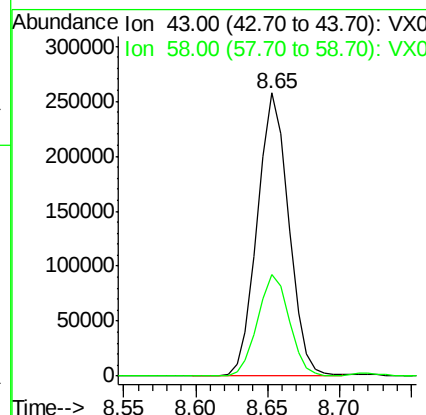
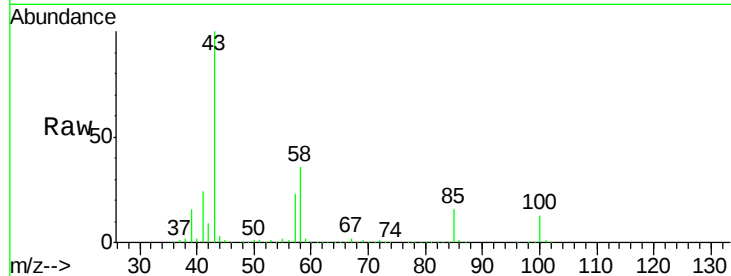
#51
4-Methyl-2-Pentanone
Concen: 110.70 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampled :
VX0615WBS02

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	36.1		28.6	42.8	

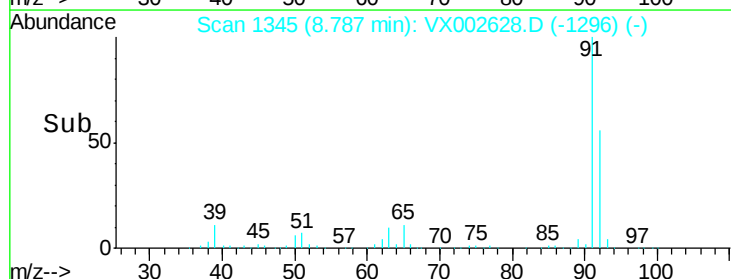
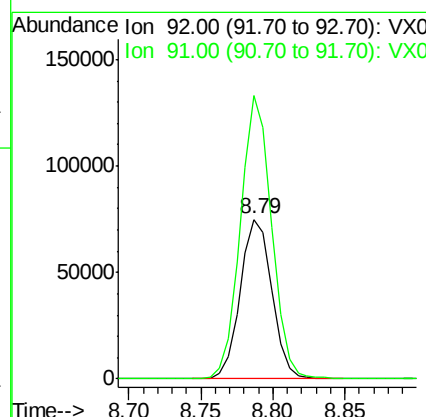
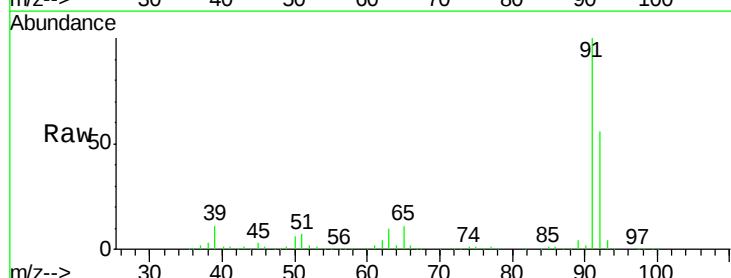
Manual Integrations
APPROVED

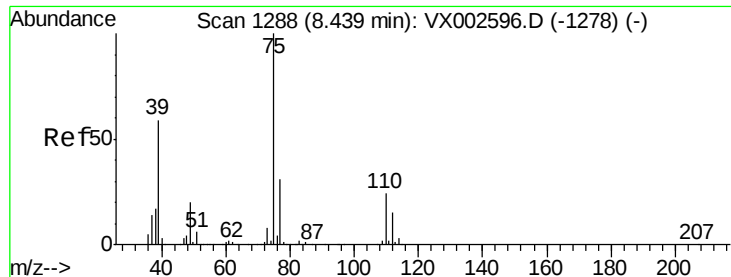
MMDadoda
6/18/2018 5:12:06 PM



#52
Toluene
Concen: 20.66 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	174.9		140.4	210.6	





#53

t-1,3-Dichloropropene

Concen: 19.73 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 75 Resp: 65211

Ion Ratio Lower Upper

75 100

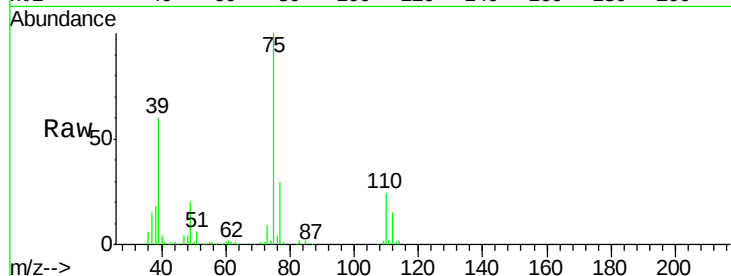
77 30.2 25.4 38.2

Manual Integrations

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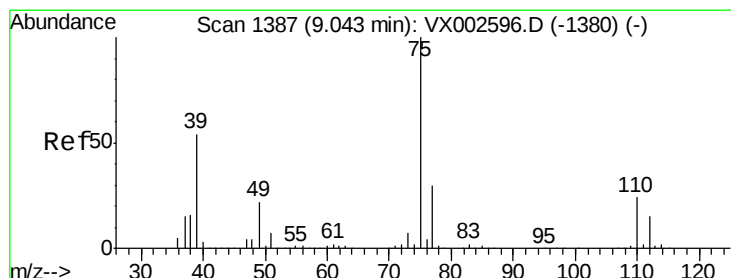
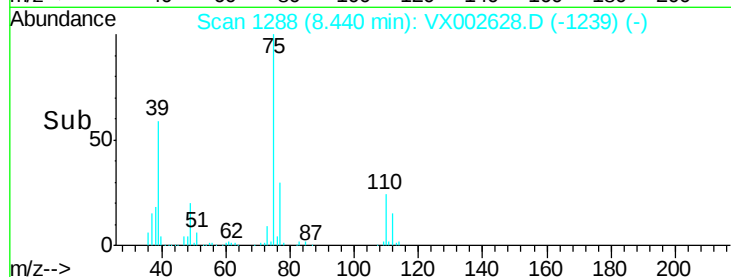
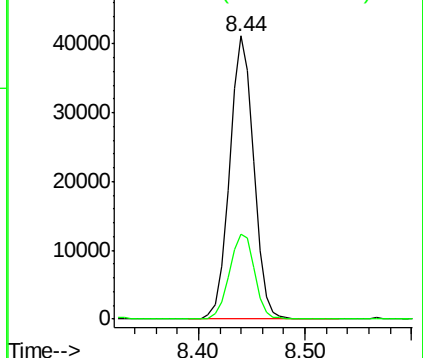
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.22 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

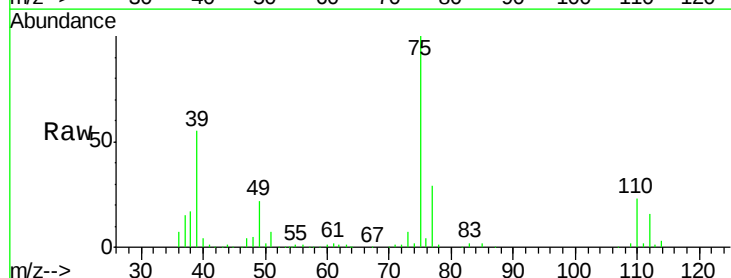
Tgt Ion: 75 Resp: 58460

Ion Ratio Lower Upper

75 100

77 29.0 24.8 37.2

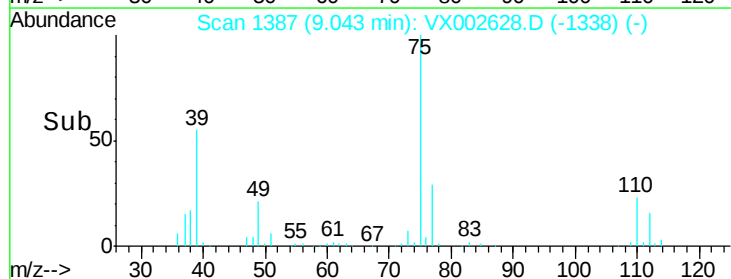
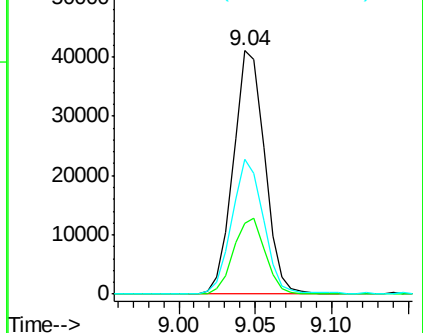
39 55.2 42.4 63.6

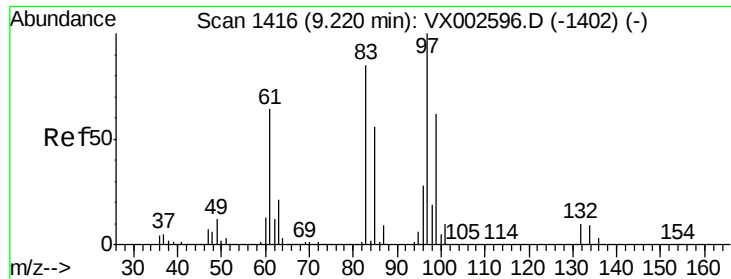


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





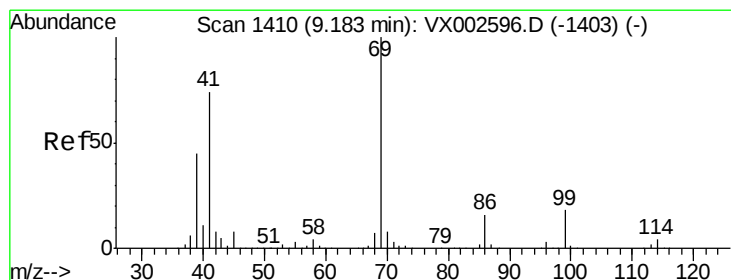
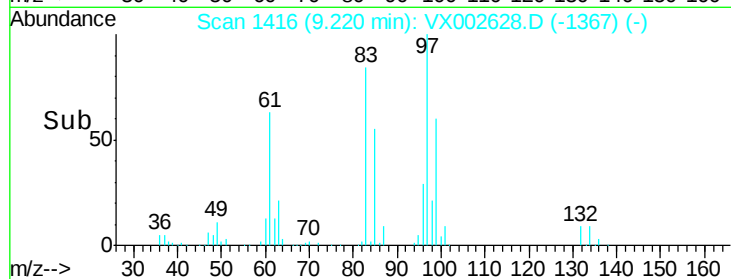
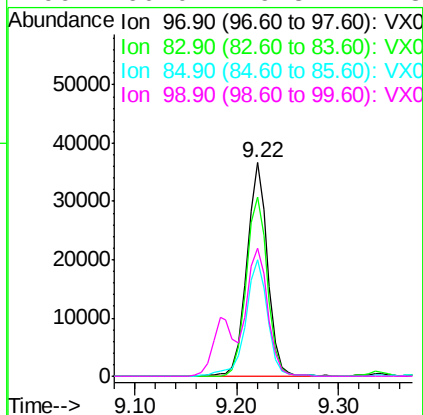
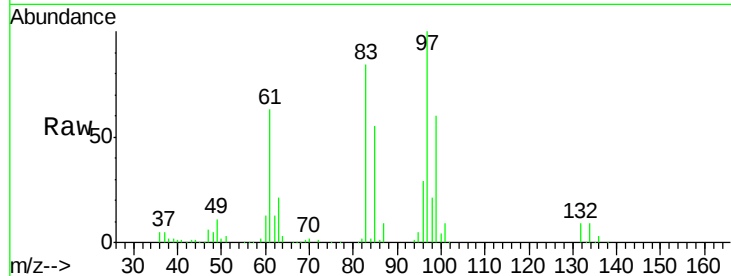
#55
 1,1,2-Trichloroethane
 Concen: 23.05 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Tot Ion:	97	Resp:	51769
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.2	105.2
85	54.6	44.9	67.3
99	60.0	49.8	74.8

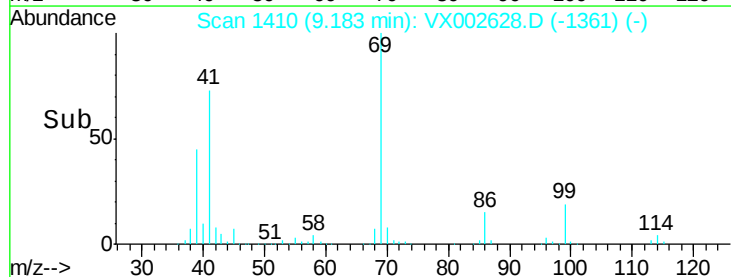
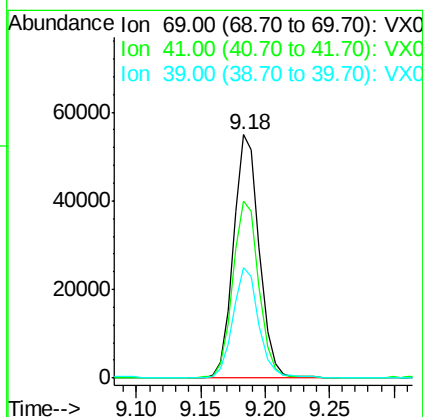
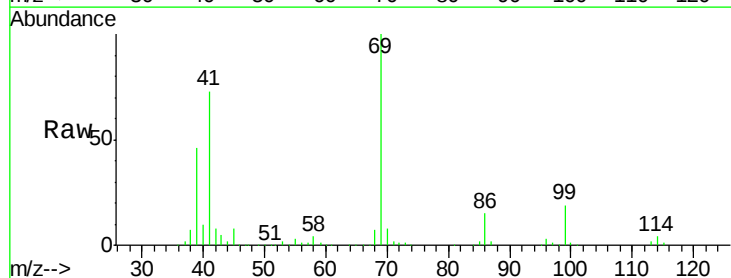
Manual Integrations
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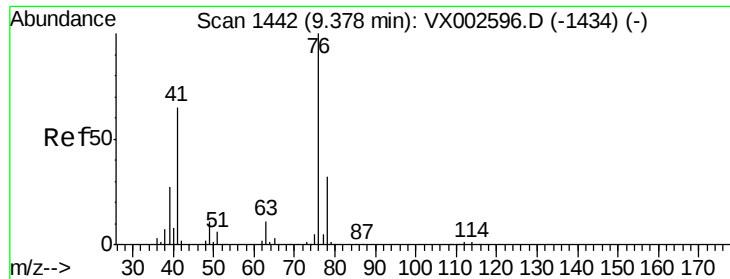
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 22.15 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Tgt Ion:	69	Resp:	76574
Ion	Ratio	Lower	Upper
69	100		
41	73.1	60.3	90.5
39	44.8	35.8	53.8





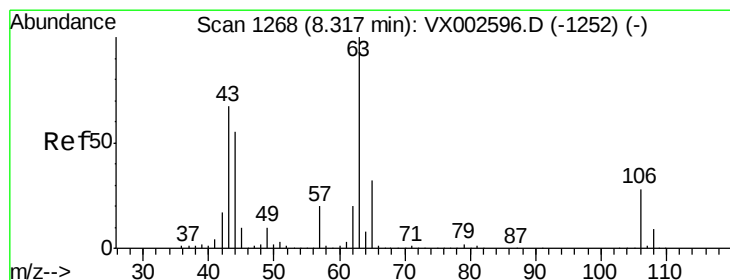
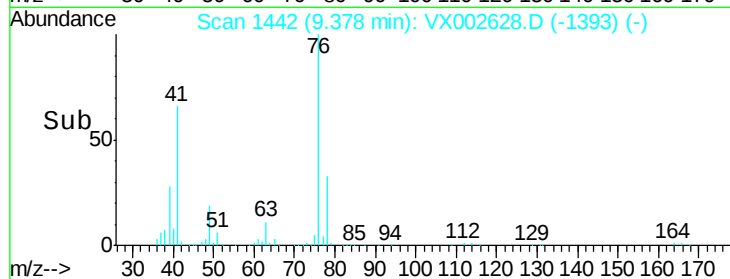
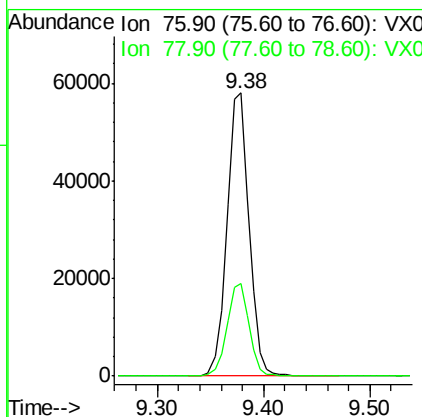
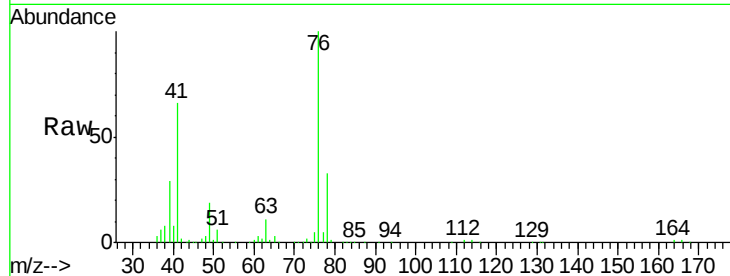
#57
 1,3-Dichloropropane
 Concen: 22.18 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Tot Ion: 76 Resp: 84245
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6

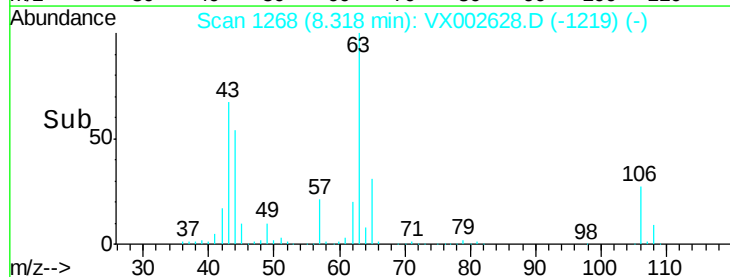
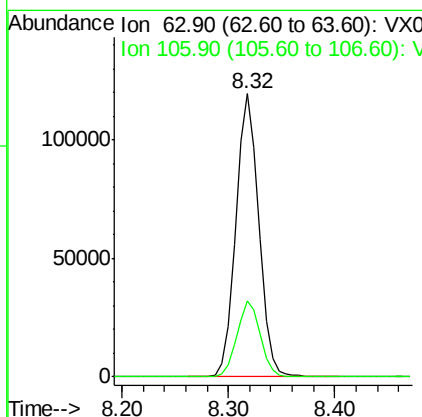
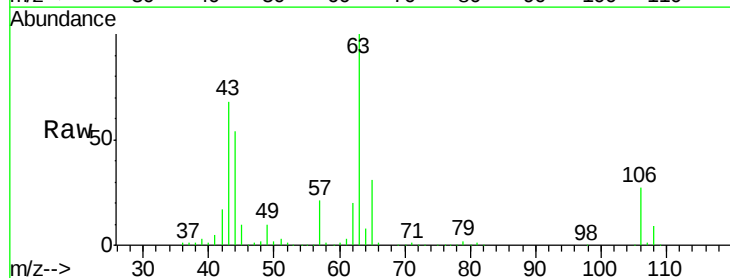
Manual Integrations
 APPROVED

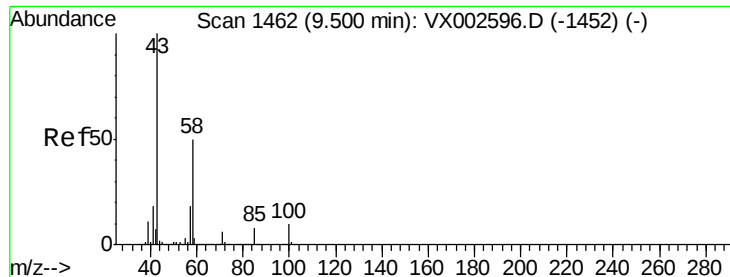
MMDadoda
 6/18/2018 5:12:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.69 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Tgt Ion: 63 Resp: 181699
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.8 32.8





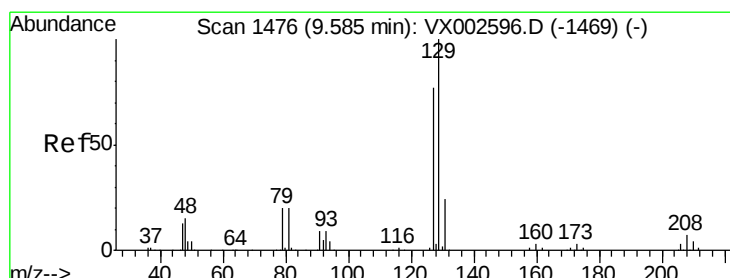
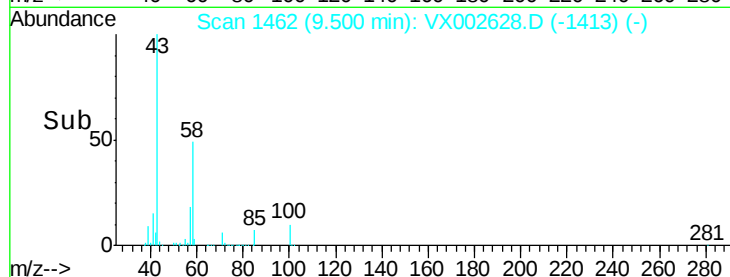
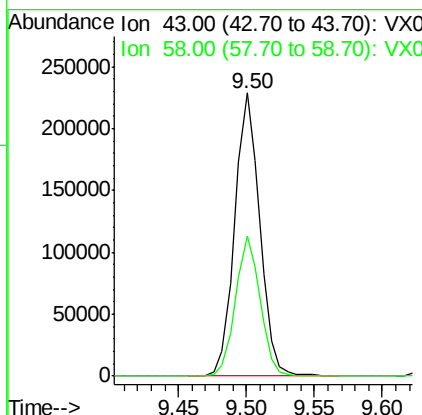
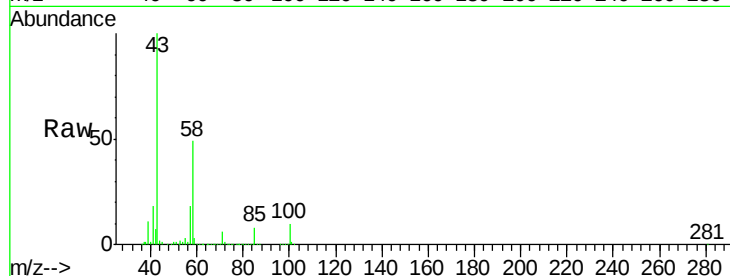
#59
2-Hexanone
Concen: 110.86 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion: 43 Resp: 292298
Ion Ratio Lower Upper
43 100
58 48.9 24.6 73.6

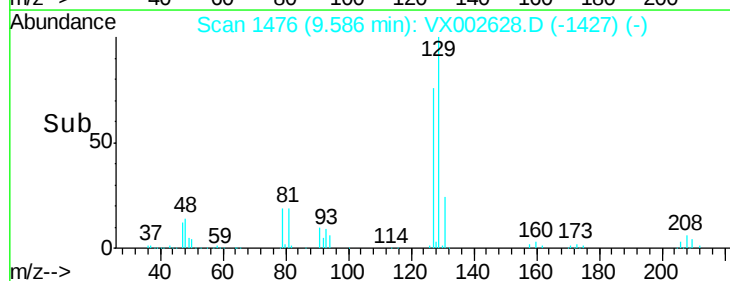
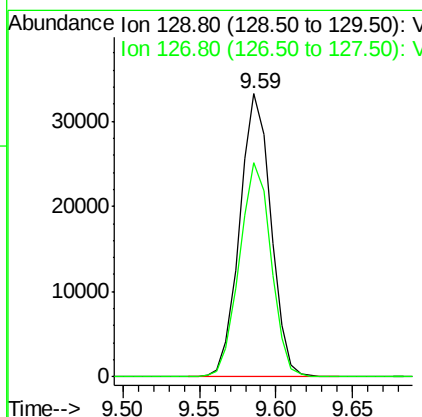
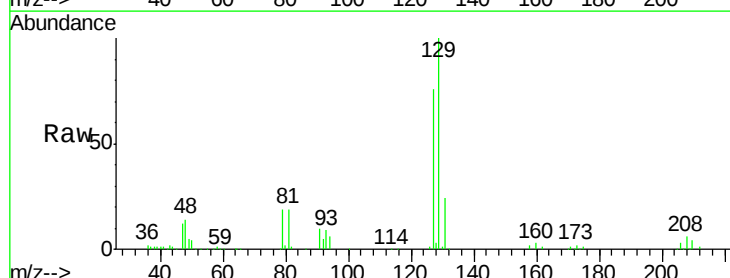
Manual Integrations
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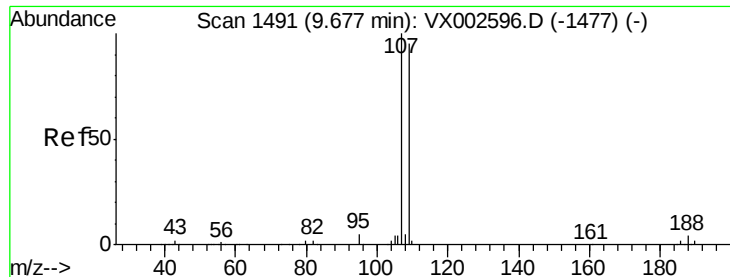
MMDadoda
6/18/2018 5:12:06 PM



#60
Dibromochloromethane
Concen: 21.00 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion: 129 Resp: 47103
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 22.78 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion:107 Resp: 52980

Ion Ratio Lower Upper

107 100

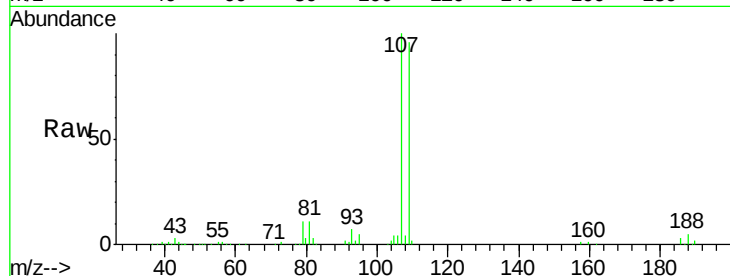
109 95.0 75.3 112.9

Manual Integrations

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6/18/2018 5:12:06 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

30000

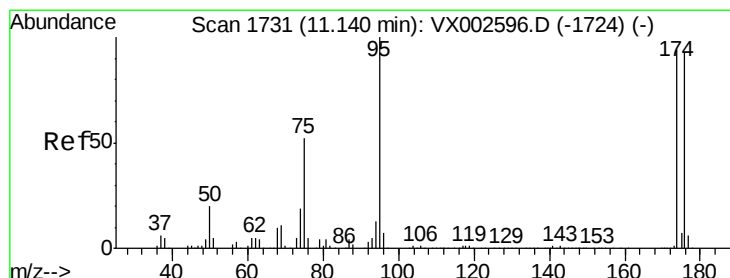
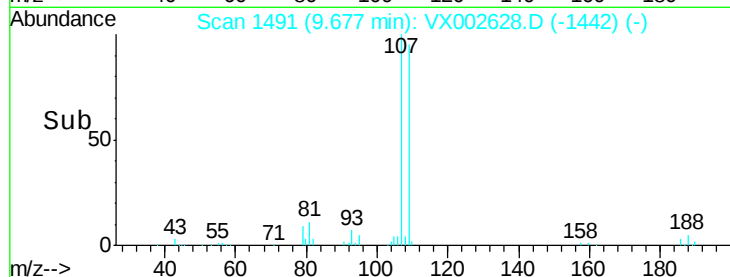
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

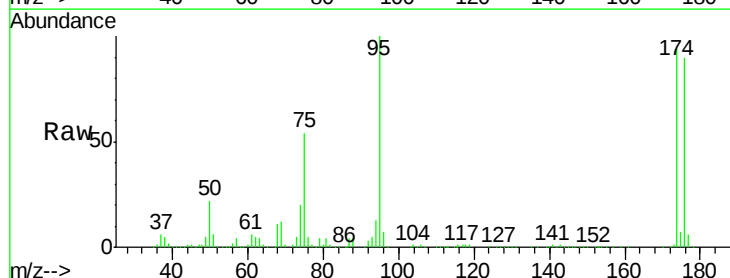
Tgt Ion: 95 Resp: 159825

Ion Ratio Lower Upper

95 100

174 97.6 0.0 187.4

176 94.1 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

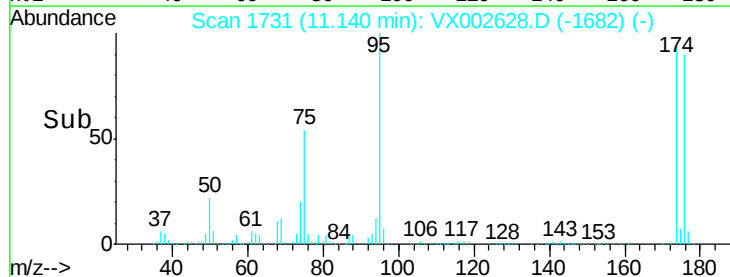
100000

50000

0

11.10 11.20

Time-->





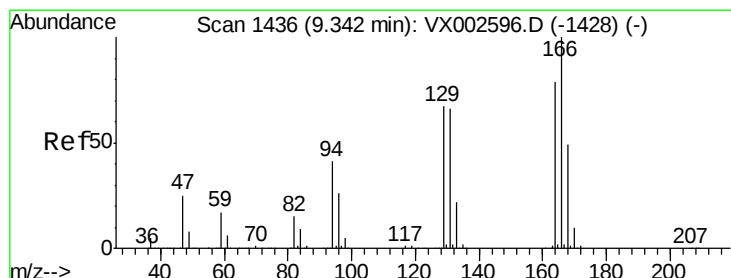
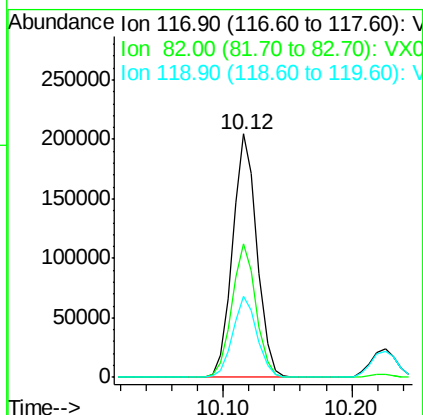
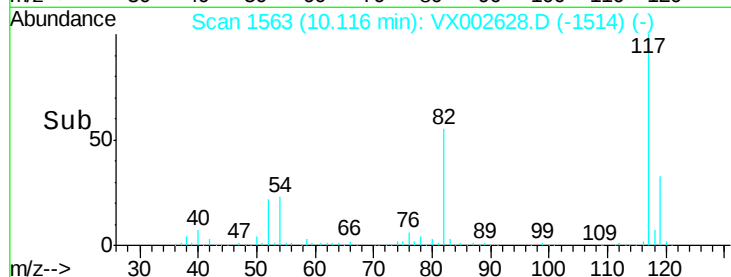
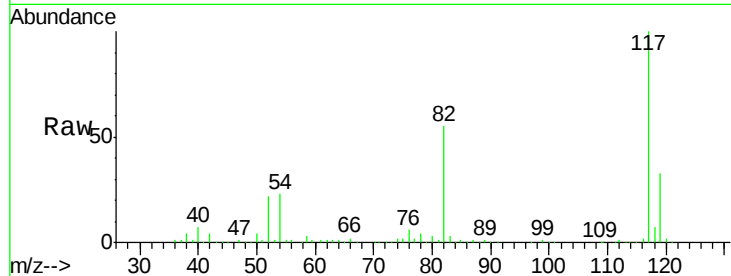
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.0	67.4
119	33.1	25.8	38.6

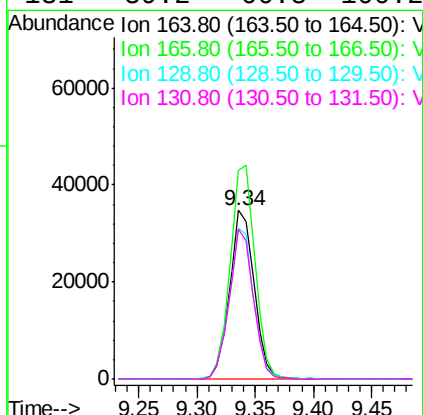
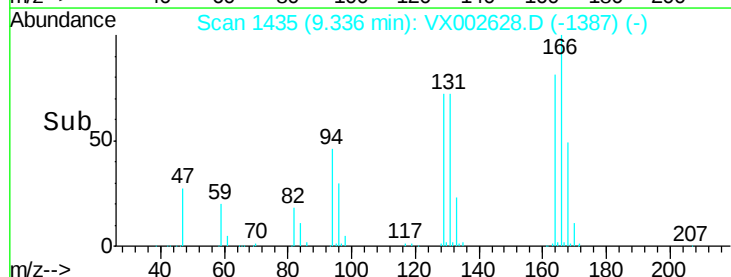
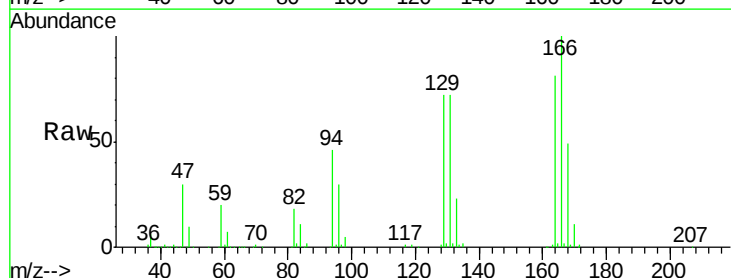
Manual Integrations
APPROVED

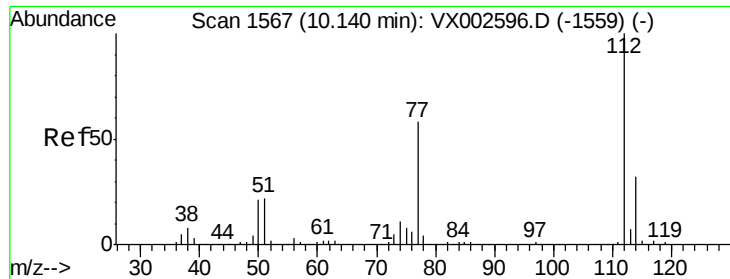
MMDadoda
6/18/2018 5:12:06 PM



#64
Tetrachloroethene
Concen: 17.10 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	102.9	154.3
129	89.3	68.6	102.8
131	89.2	66.8	100.2





#65

Chlorobenzene

Concen: 20.50 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion:112 Resp: 135411

Ion Ratio Lower Upper

112 100

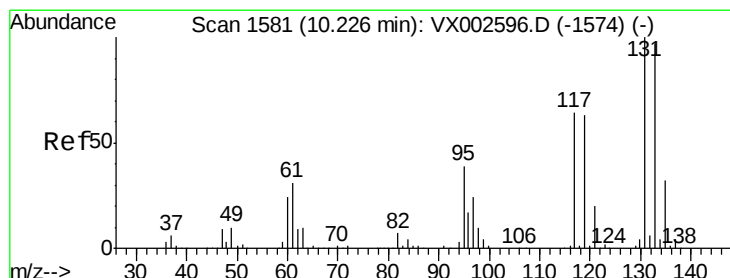
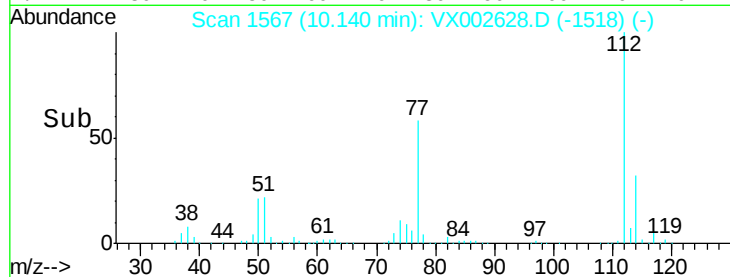
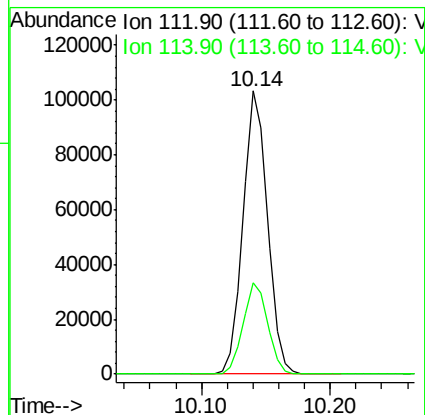
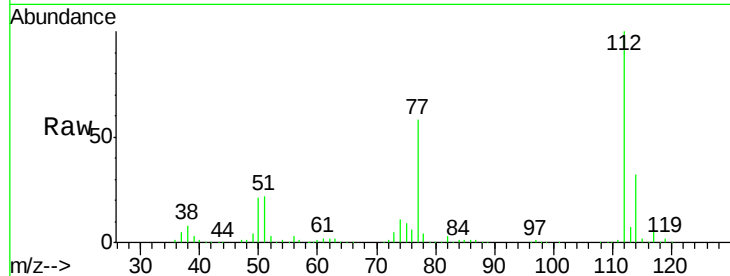
114 32.2 25.3 37.9

Manual Integrations

APPROVED

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6/18/2018 5:12:06 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.93 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

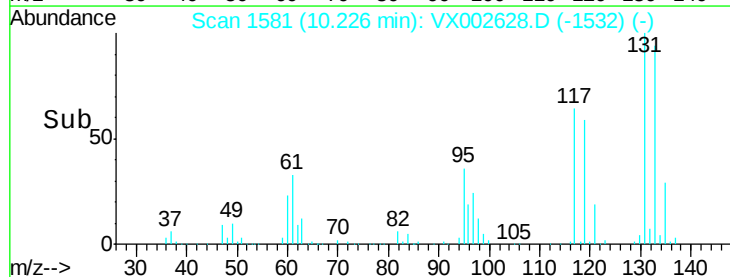
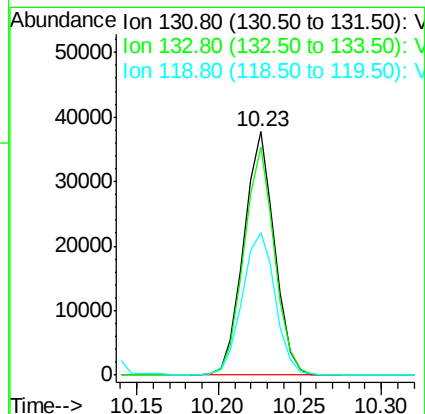
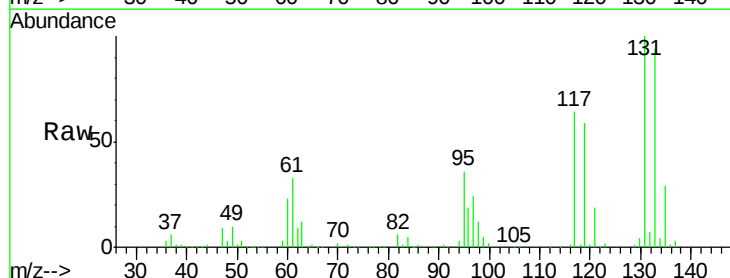
Tgt Ion:131 Resp: 49397

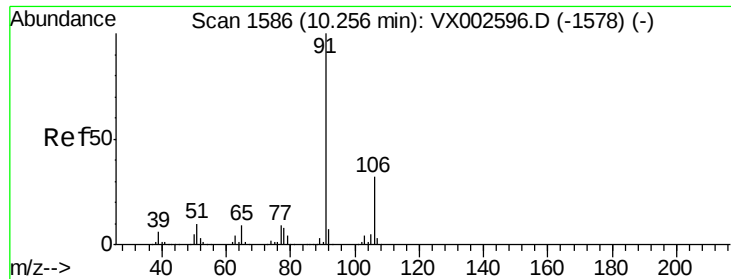
Ion Ratio Lower Upper

131 100

133 93.5 47.9 143.6

119 63.1 31.8 95.3





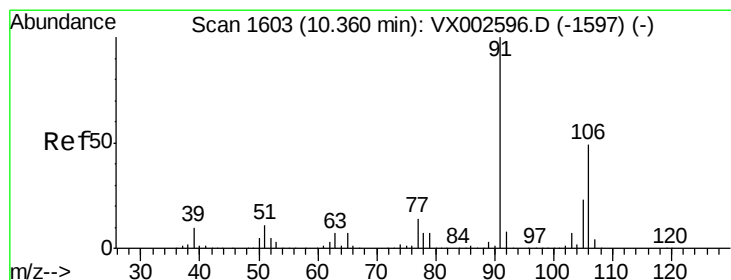
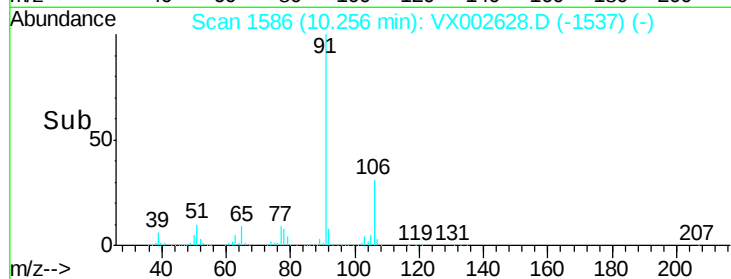
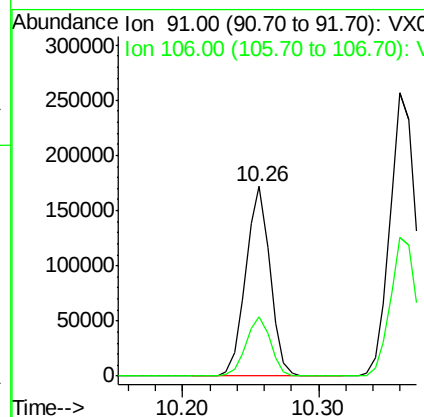
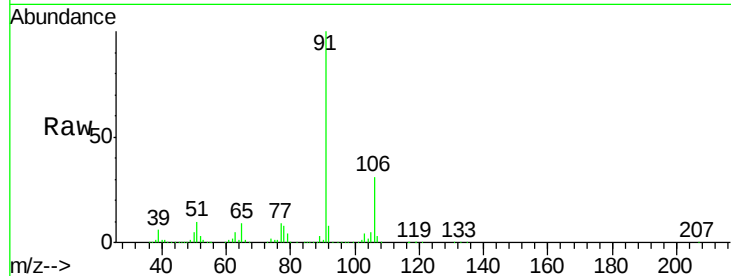
#67
Ethyl Benzene
Concen: 19.21 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion: 91 Resp: 214093
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

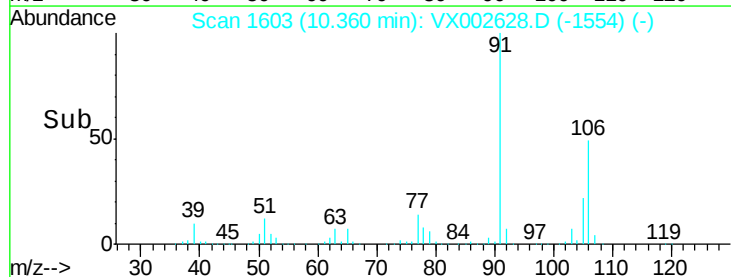
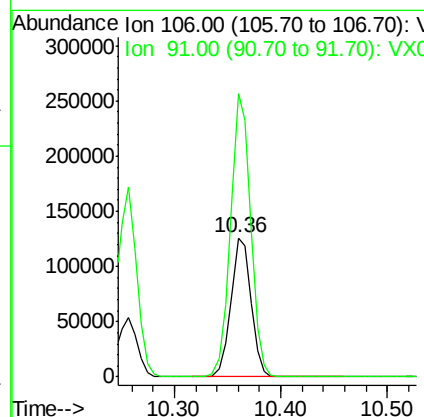
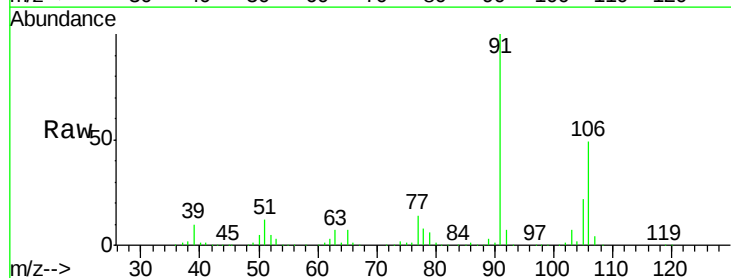
Manual Integrations
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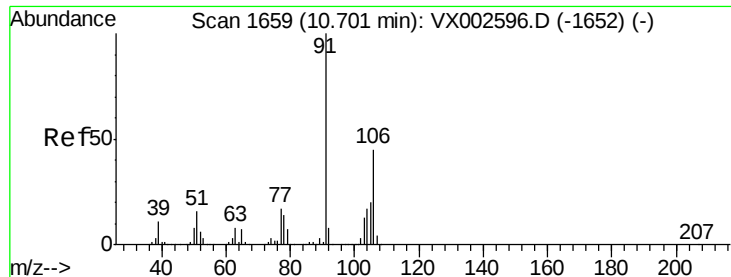
MMDadoda
6/18/2018 5:12:06 PM



#68
m/p-Xylenes
Concen: 38.98 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion: 106 Resp: 167542
Ion Ratio Lower Upper
106 100
91 202.9 163.4 245.2





#69

o-Xylene

Concen: 20.12 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion:106 Resp: 84971

Ion Ratio Lower Upper

106 100

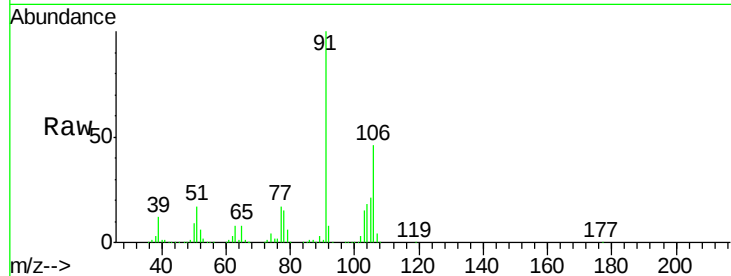
91 216.1 108.2 324.6

Manual Integrations

APPROVED

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6/18/2018 5:12:06 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

150000

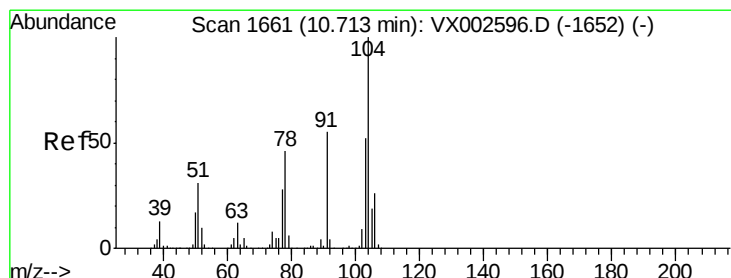
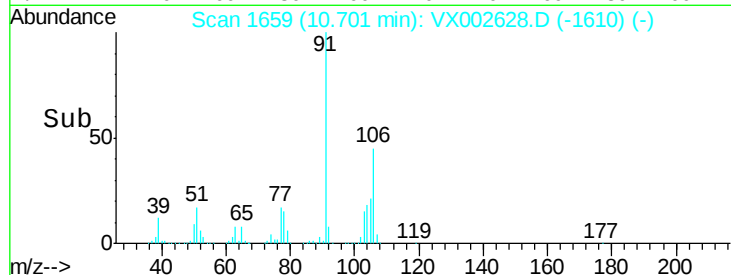
100000

50000

0

10.65 10.70 10.75

Time-->



#70

Styrene

Concen: 20.47 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

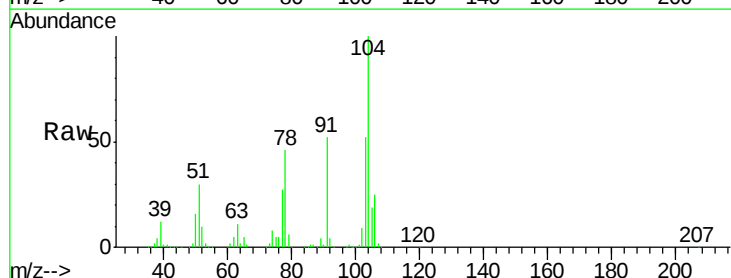
Tgt Ion:104 Resp: 142186

Ion Ratio Lower Upper

104 100

78 51.5 41.0 61.6

103 56.3 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V

150000

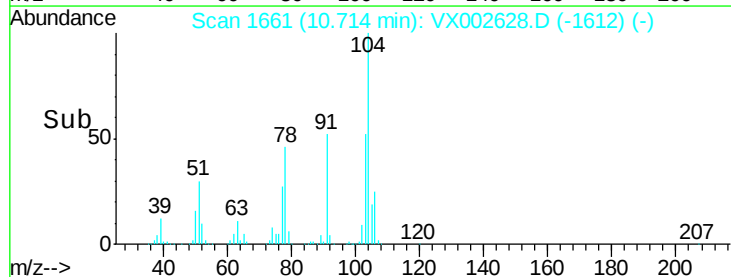
100000

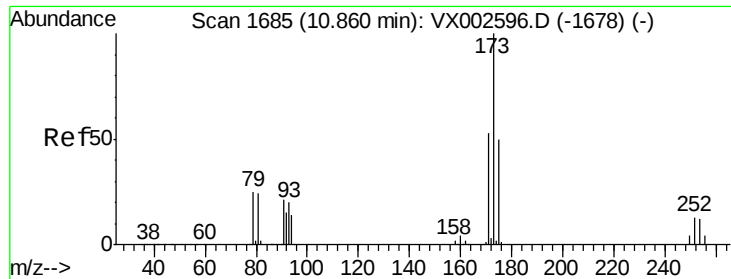
50000

0

10.70 10.75

Time-->





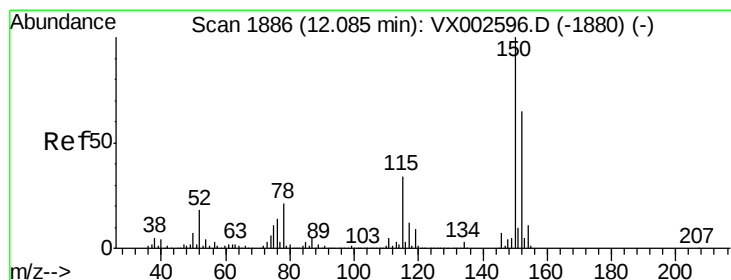
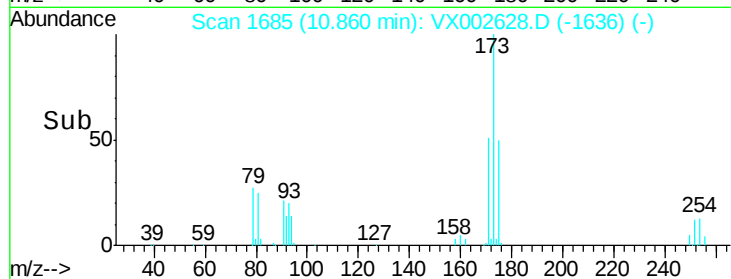
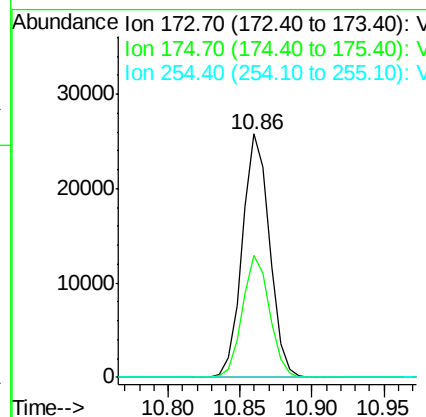
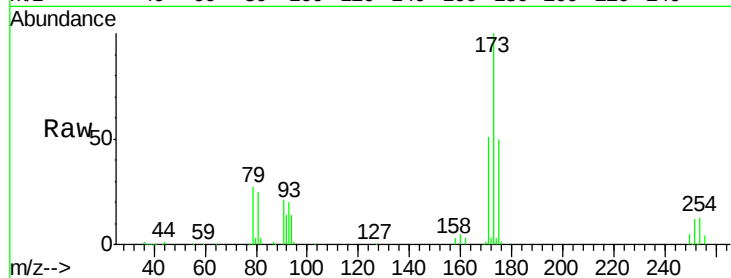
#71
Bromoform
Concen: 19.76 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.7	74.1
254	0.0	0.2	0.2

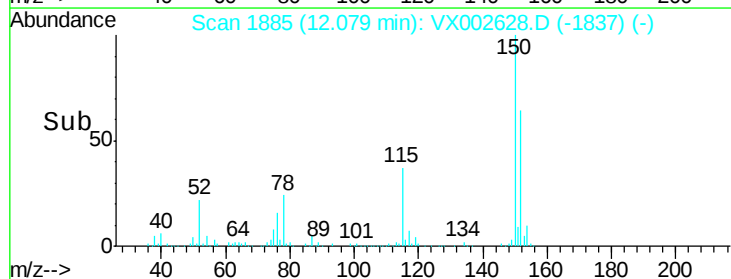
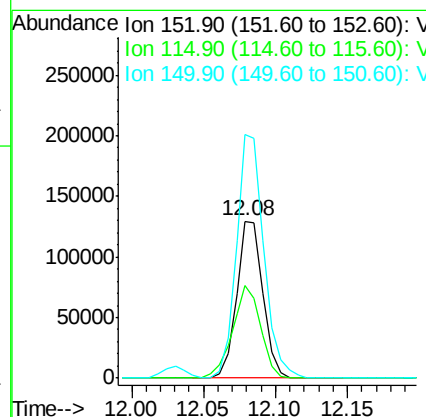
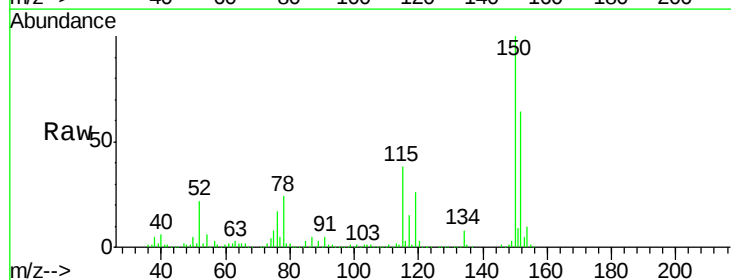
Manual Integrations
APPROVED

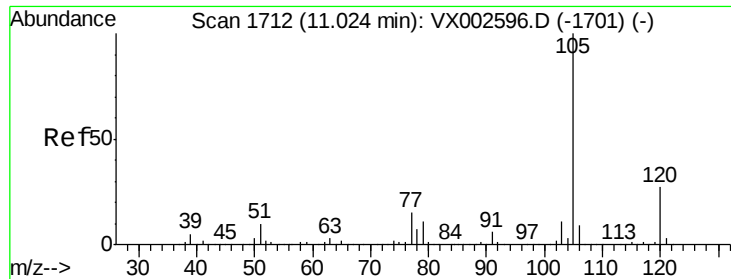
MMDadoda
6/18/2018 5:12:06 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	40.1	120.2
150	163.2	0.0	347.2





#73

Isopropylbenzene

Concen: 18.99 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion:105 Resp: 208320

Ion Ratio Lower Upper

105 100

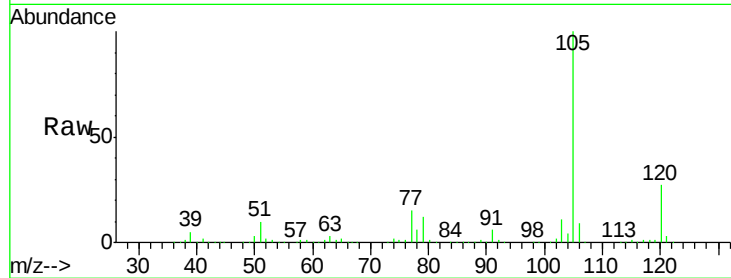
120 26.8 13.5 40.4

Manual Integrations

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6/18/2018 5:12:06 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

150000

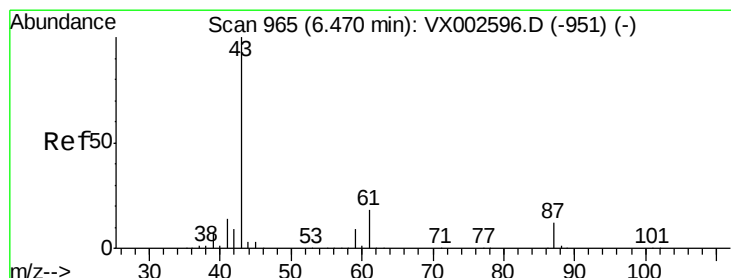
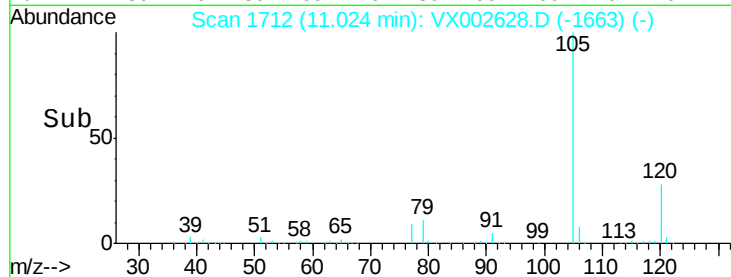
100000

50000

0

Time-->

10.95 11.00 11.05



#74

N-ethyl acetate

Concen: 21.41 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Tgt Ion: 43 Resp: 116684

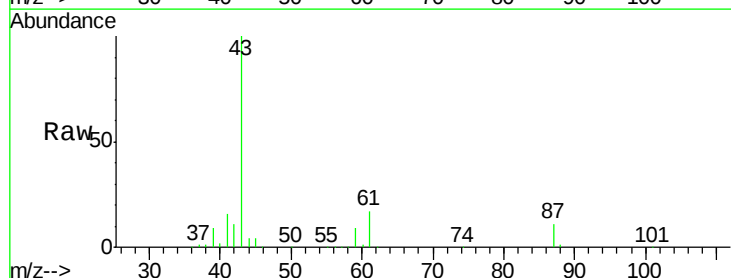
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 17.9 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.47

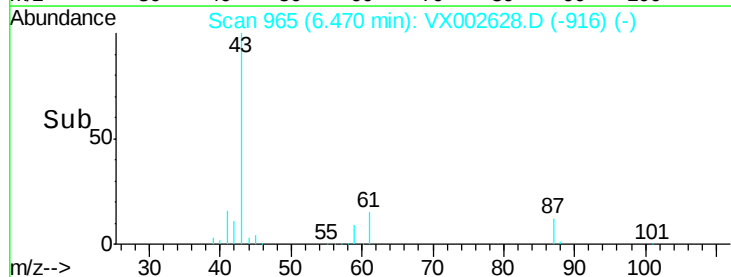
40000

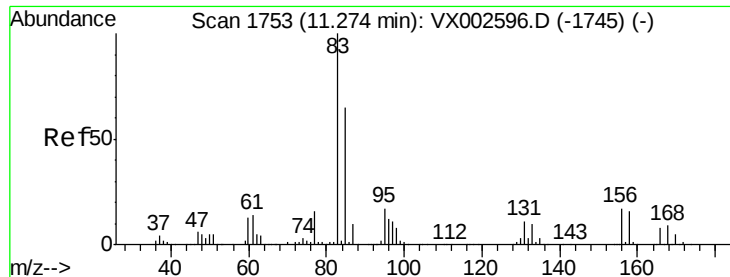
20000

0

Time-->

6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 23.36 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

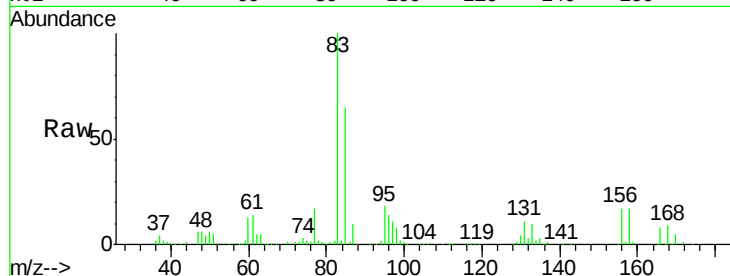
ClientSampleId :

VX0615WBS02

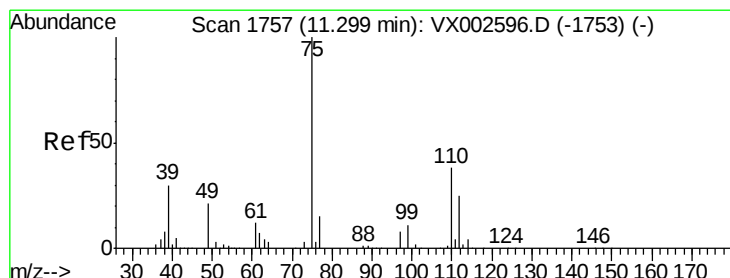
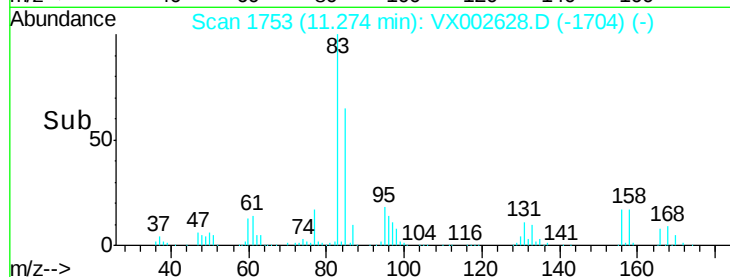
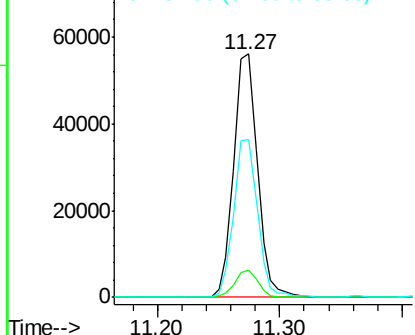
Tot Ion:	83	Resp:	75666
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.6	16.8
85	64.6	32.4	97.2

Manual Integrations
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6/18/2018 5:12:06 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): VX
Ion 84.90 (84.60 to 85.60): VX



#76

1,2,3-Trichloropropane

Concen: 23.05 ug/l m

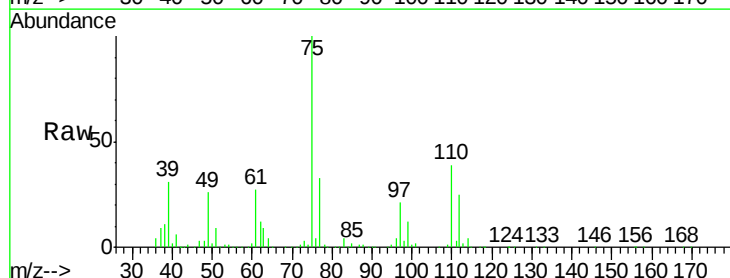
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

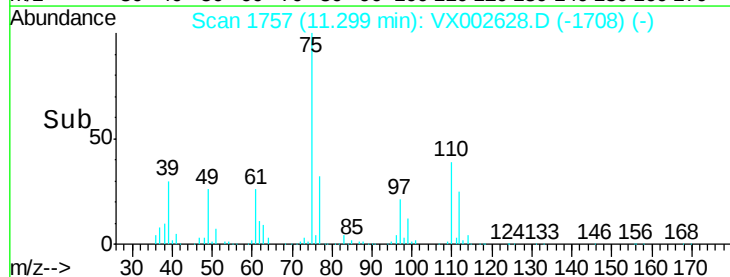
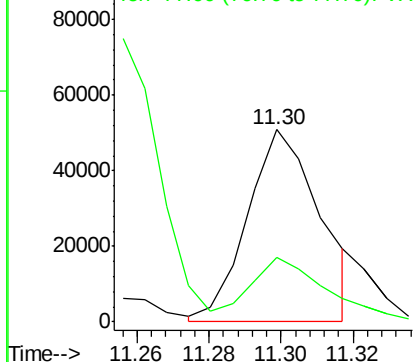
Lab File: VX002628.D

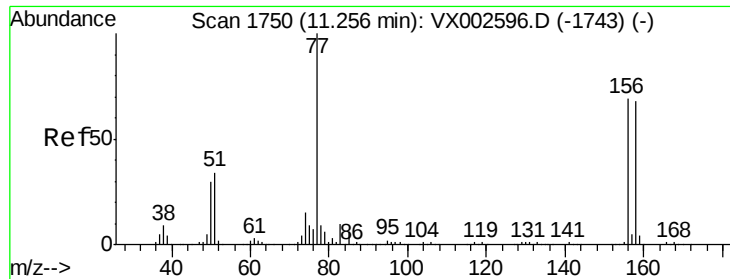
Acq: 16 Jun 2018 06:19

Tgt Ion:	75	Resp:	71336
Ion	Ratio	Lower	Upper
75	100		
77	36.0	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.61 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion:156 Resp: 66055

Ion Ratio Lower Upper

156 100

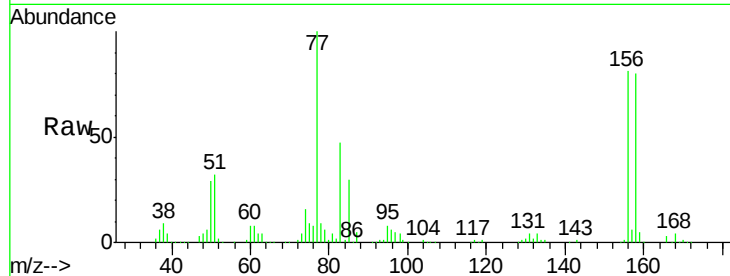
77 141.2 71.4 214.2

158 97.2 48.9 146.6

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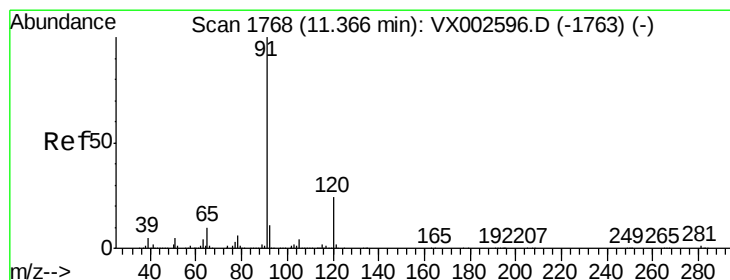
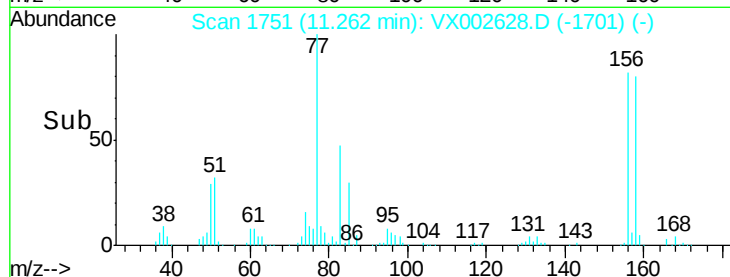
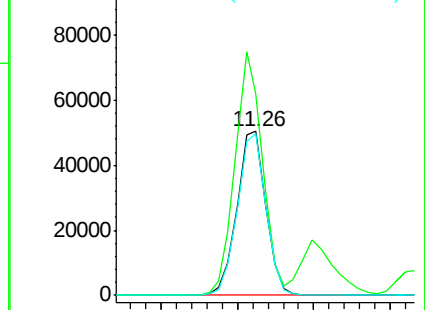
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.36 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002628.D

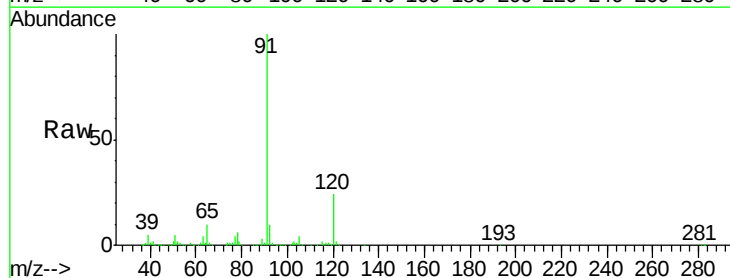
Acq: 16 Jun 2018 06:19

Tgt Ion: 91 Resp: 231008

Ion Ratio Lower Upper

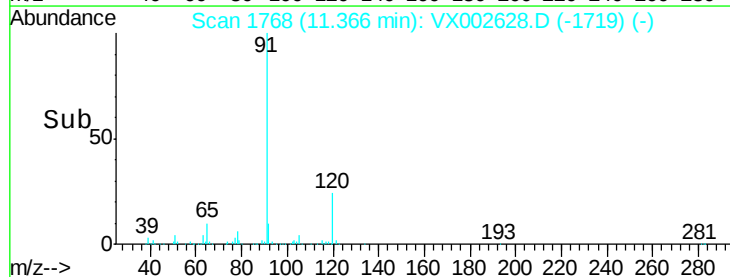
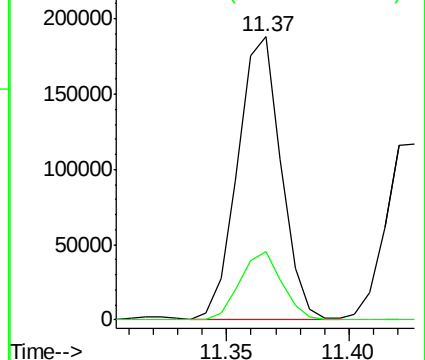
91 100

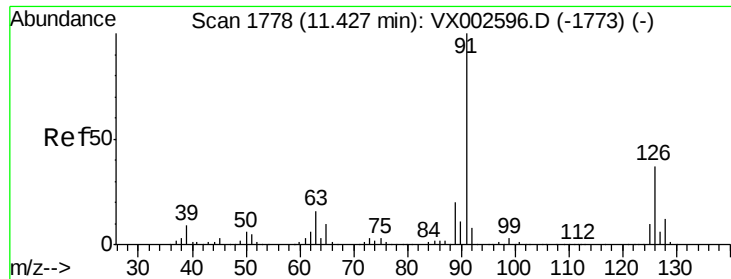
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.17 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 91 Resp: 151517

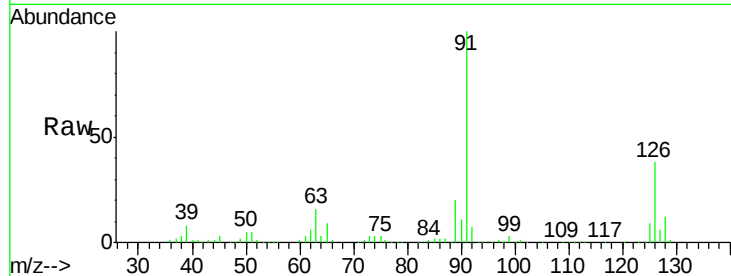
Ion Ratio Lower Upper

91 100

126 36.3 17.7 53.1

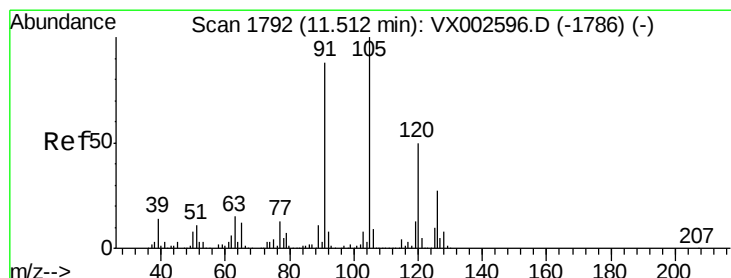
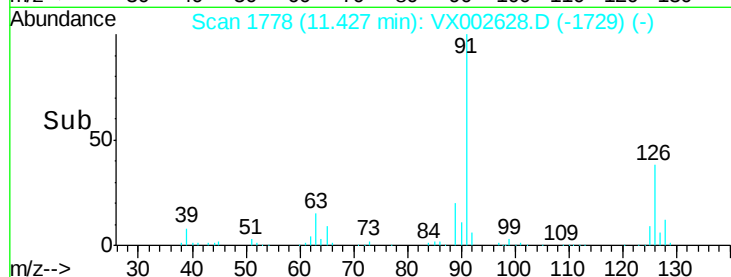
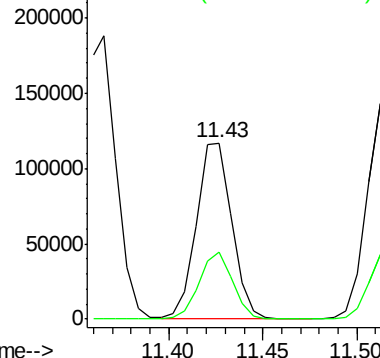
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.75 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002628.D

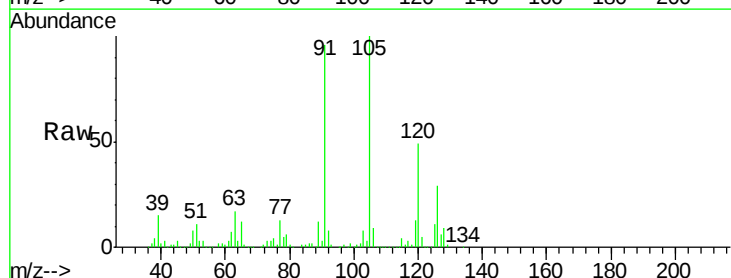
Acq: 16 Jun 2018 06:19

Tgt Ion:105 Resp: 183105

Ion Ratio Lower Upper

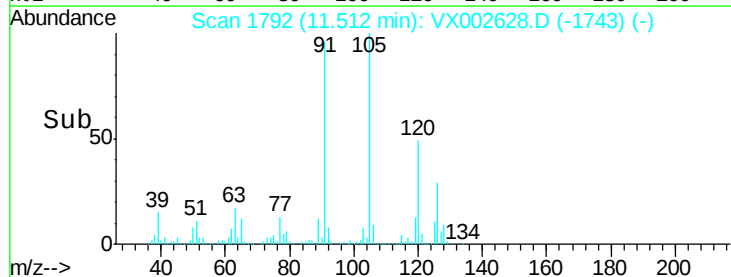
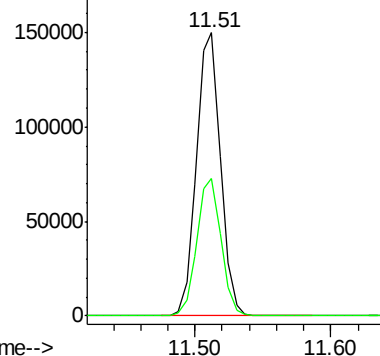
105 100

120 48.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.56 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion: 75 Resp: 14119

Ion Ratio Lower Upper

75 100

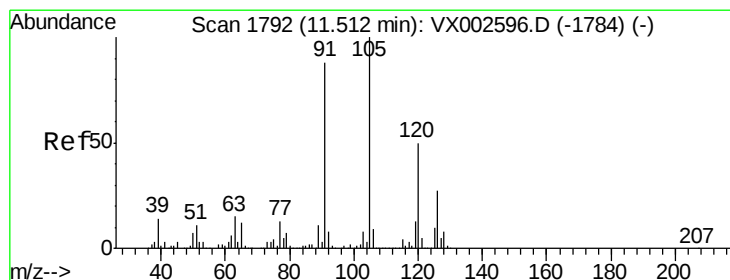
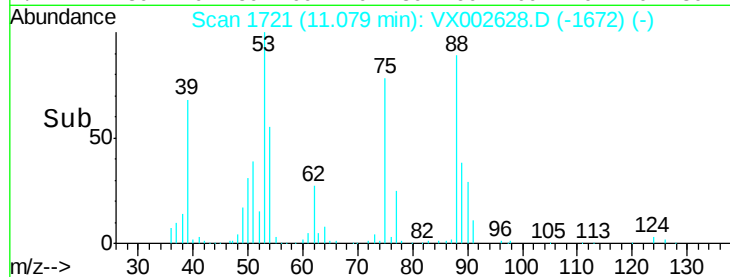
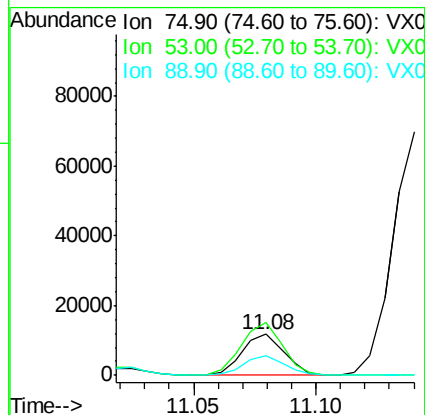
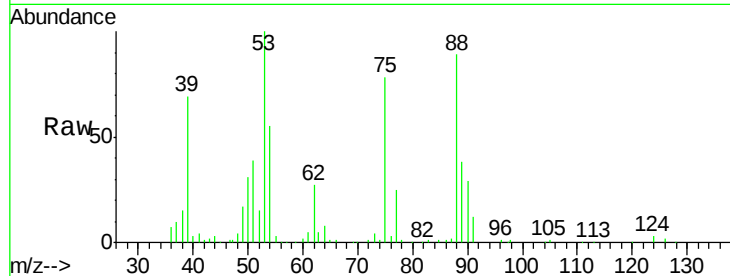
53 128.0 86.8 130.2

89 47.8 38.2 57.2

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#82

4-Chlorotoluene

Concen: 20.01 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002628.D

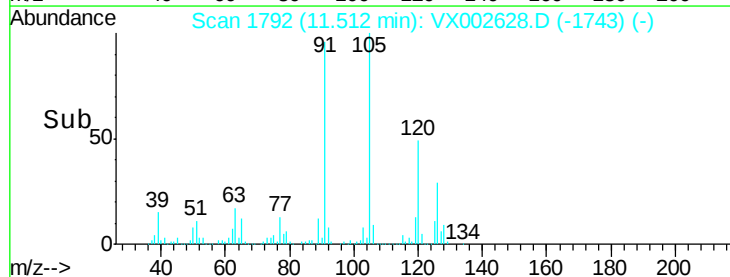
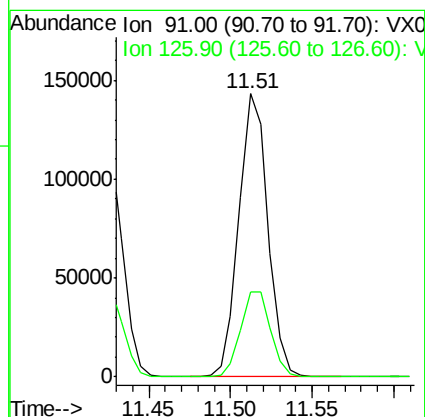
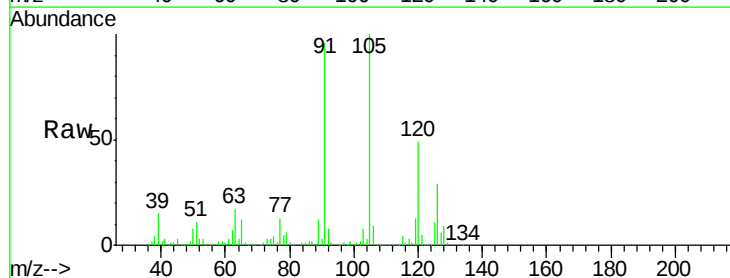
Acq: 16 Jun 2018 06:19

Tgt Ion: 91 Resp: 177311

Ion Ratio Lower Upper

91 100

126 31.6 15.4 46.4





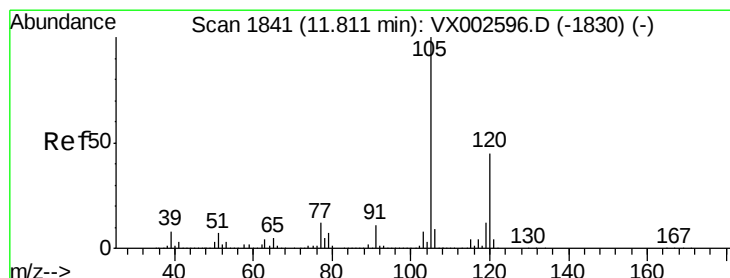
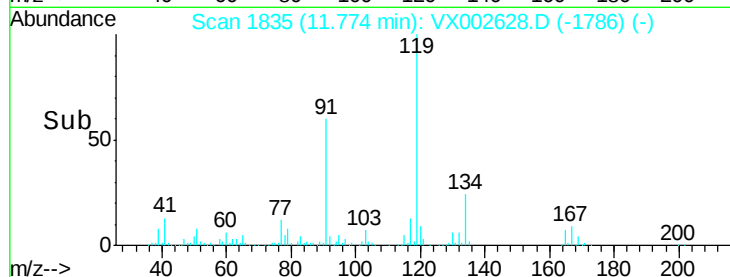
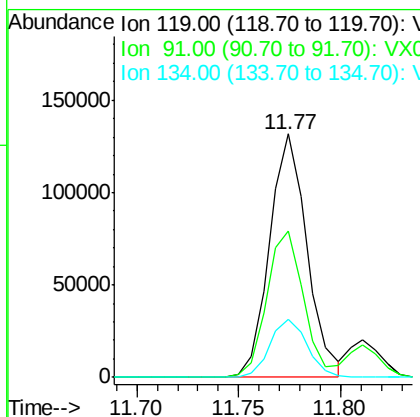
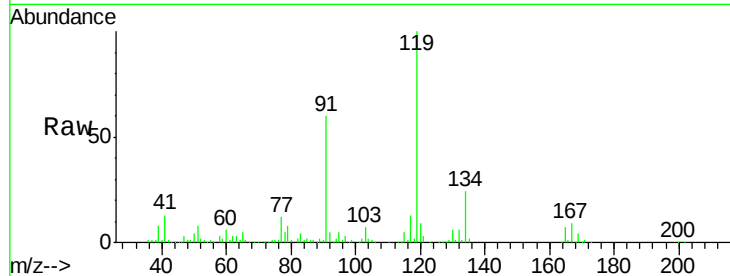
#83
 tert-Butylbenzene
 Concen: 18.87 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	168565		
91	59.9		30.3	90.9
134	23.9		11.7	35.1

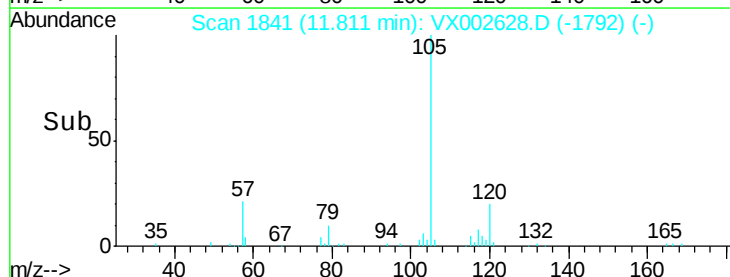
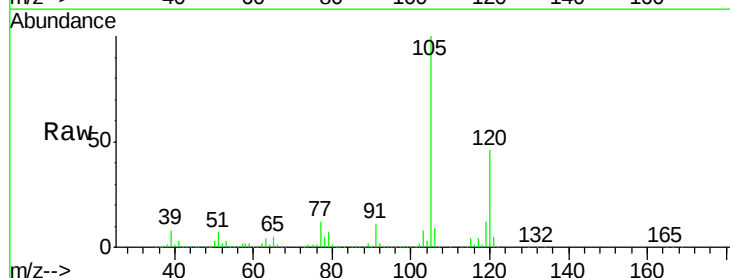
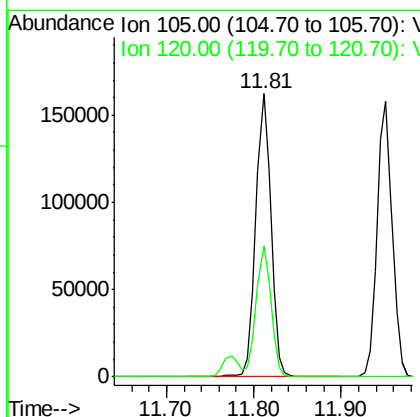
Manual Integrations
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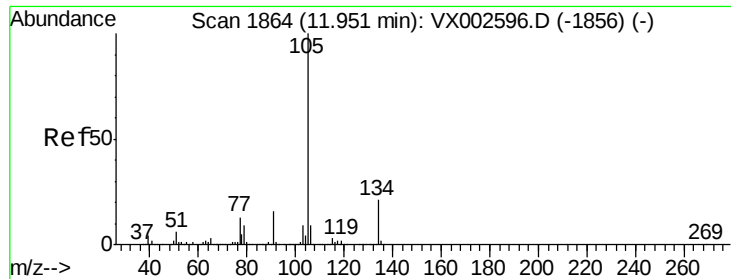
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.44 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193325		
120	45.4		22.3	66.8





#85

sec-Butylbenzene

Concen: 17.16 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

ClientSampleId :

VX0615WBS02

Tot Ion:105 Resp: 190534

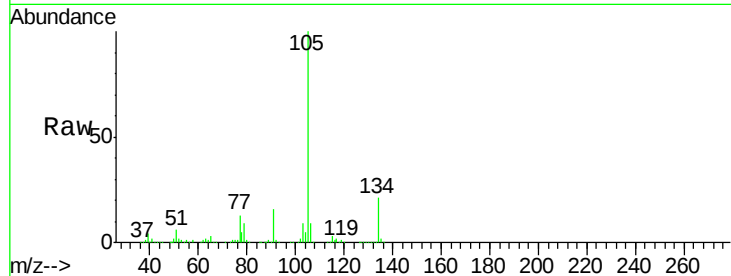
Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.1

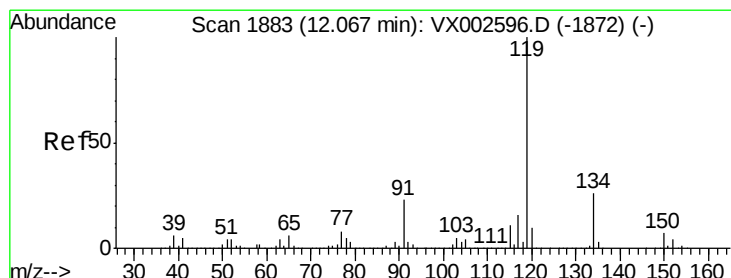
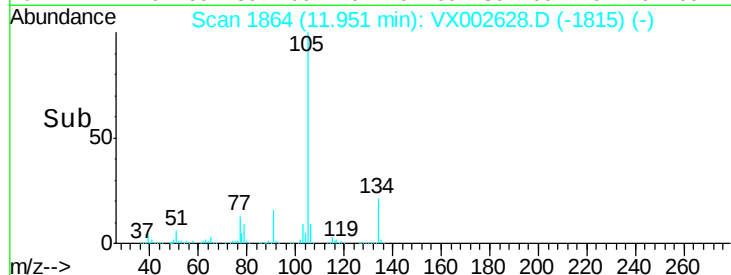
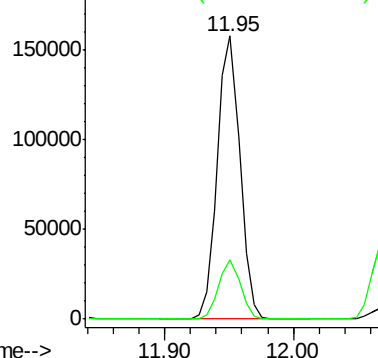
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.57 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

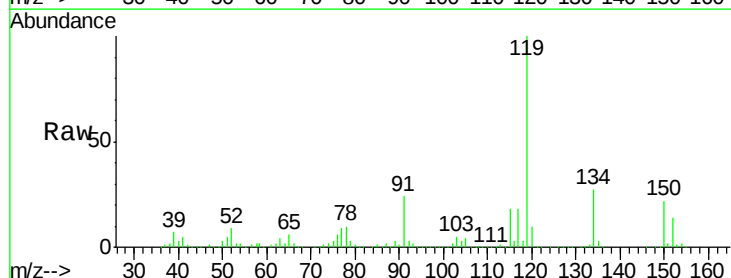
Tgt Ion:119 Resp: 176505

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

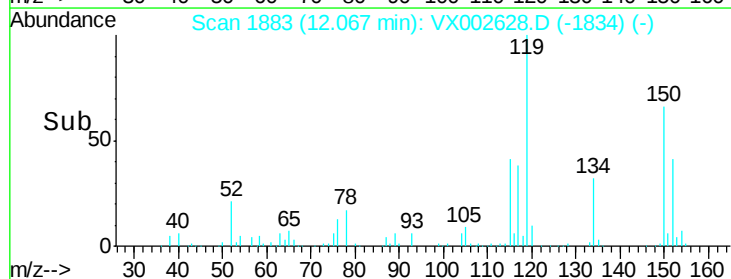
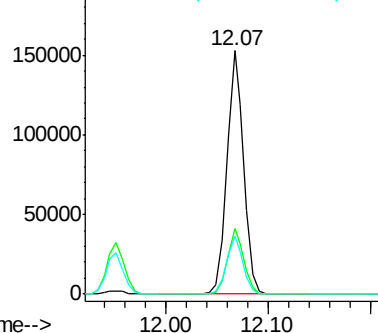
91 23.8 11.9 35.7

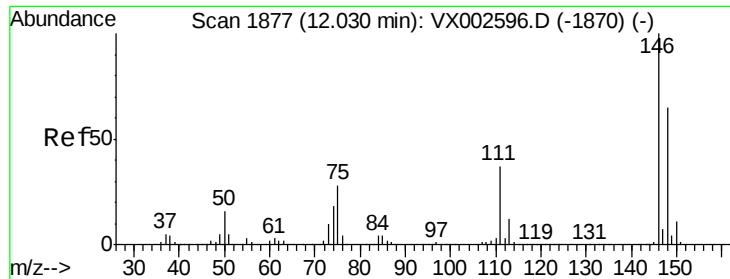


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





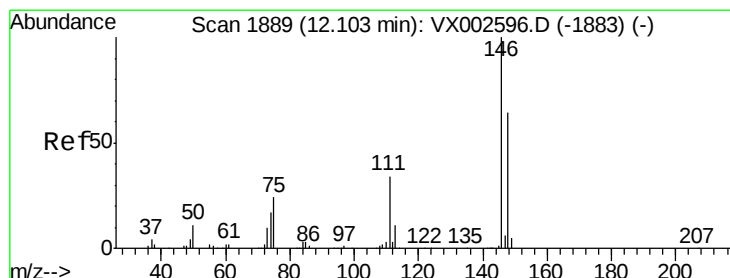
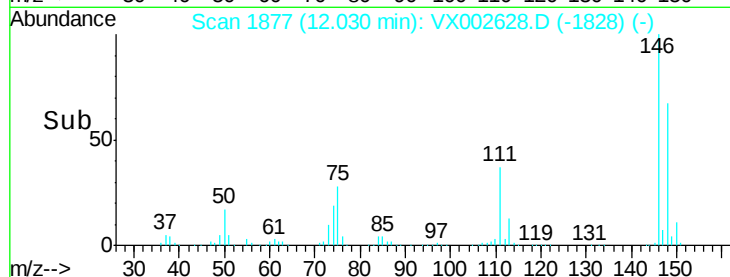
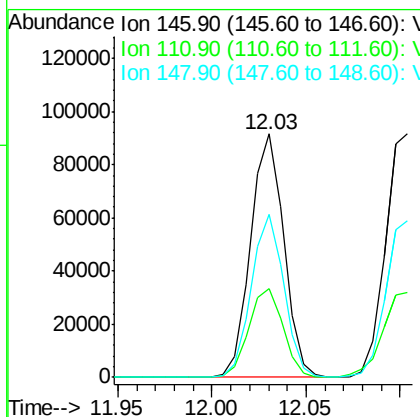
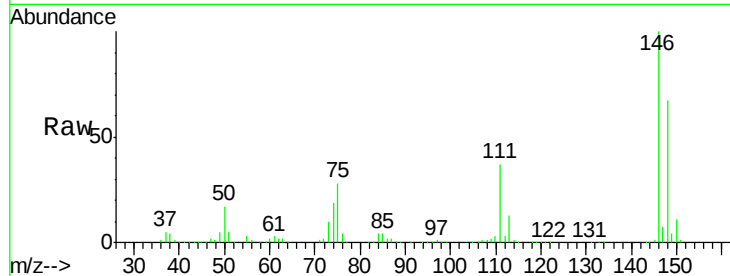
#87
 1,3-Dichlorobenzene
 Concen: 19.99 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.7
148	65.8	32.1	96.3

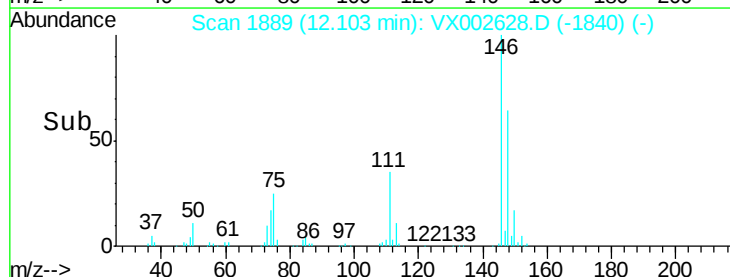
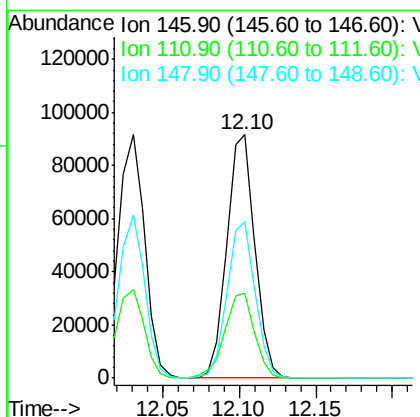
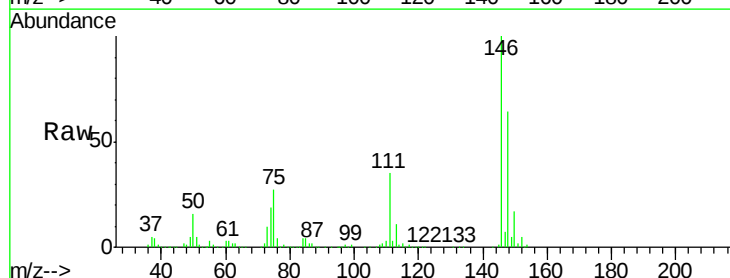
Manual Integrations
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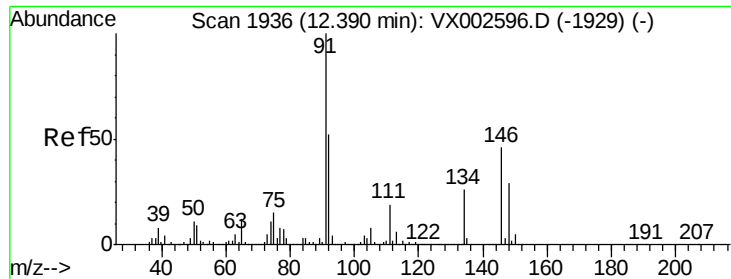
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#88
 1,4-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	64.6	32.4	97.0





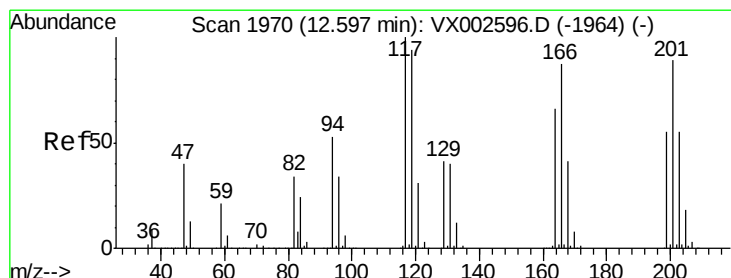
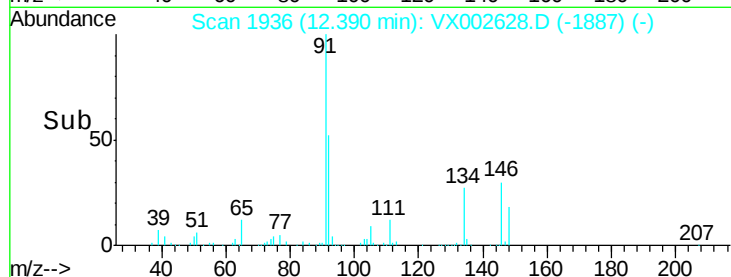
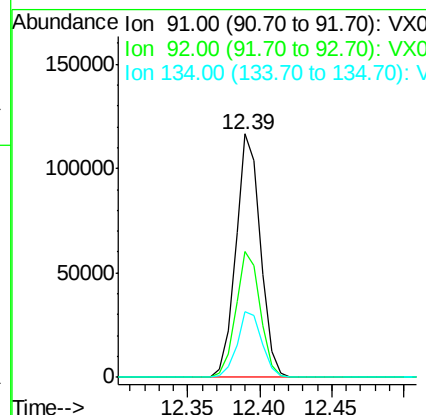
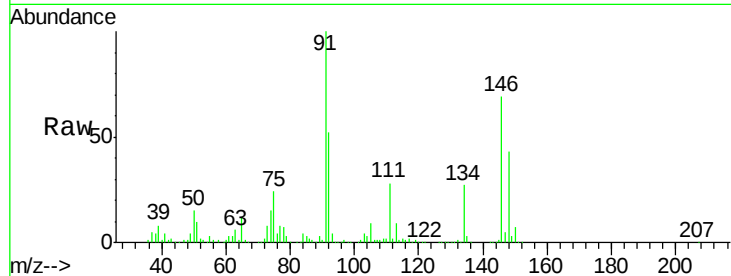
#89
n-Butylbenzene
Concen: 15.76 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Instrument :
MSVOA_X
ClientSampleId :
VX0615WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	27.1	13.5	40.5

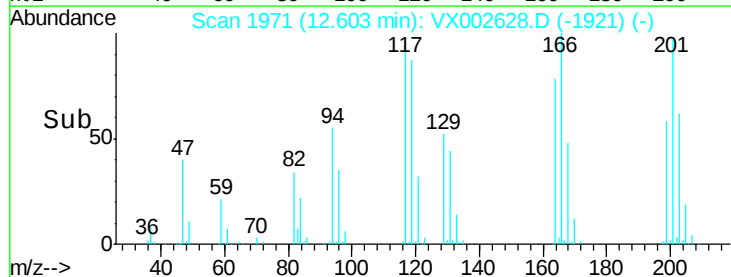
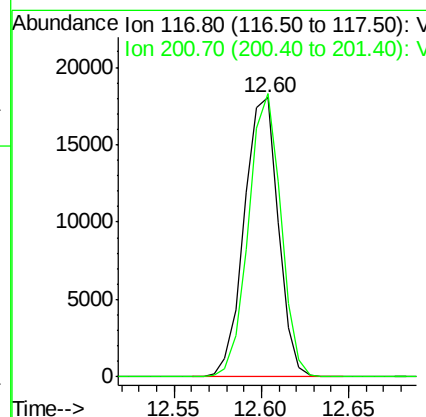
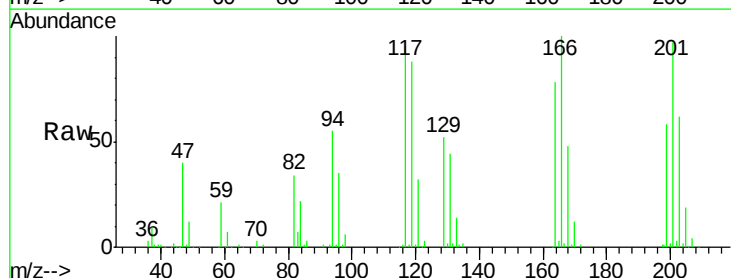
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#90
Hexachloroethane
Concen: 17.45 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002628.D
Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.3	49.0	147.0





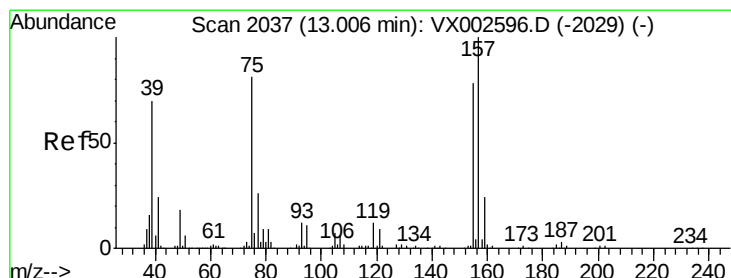
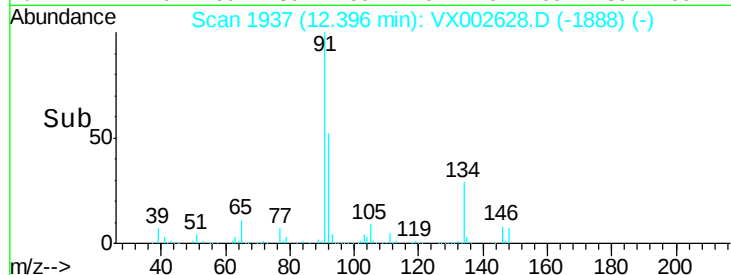
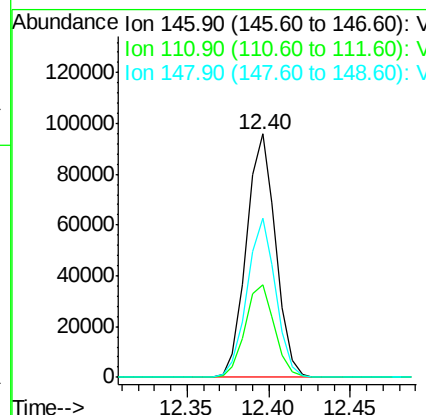
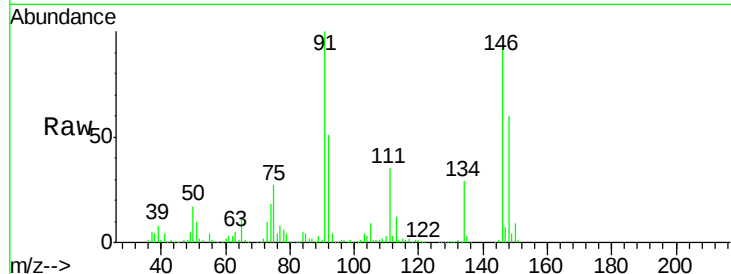
#91
 1,2-Dichlorobenzene
 Concen: 21.28 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.0	31.7	95.1

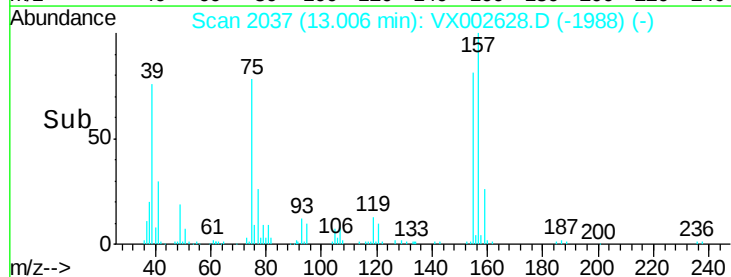
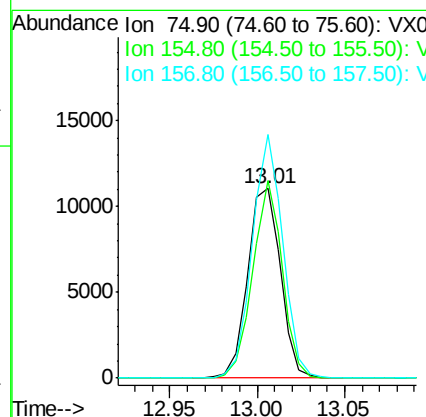
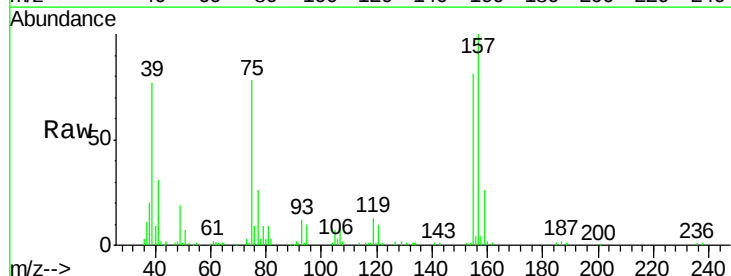
Manual Integrations
 APPROVED

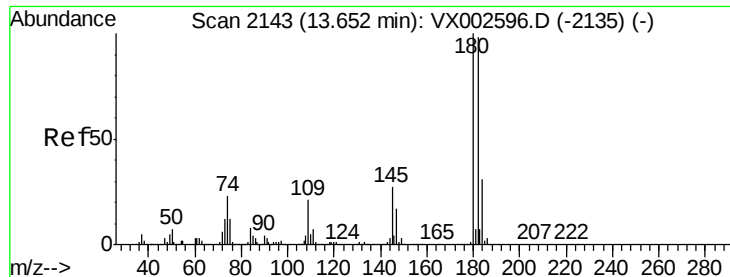
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 6/18/2018 5:12:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.28 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	45.8	137.4
157	119.5	60.1	180.3





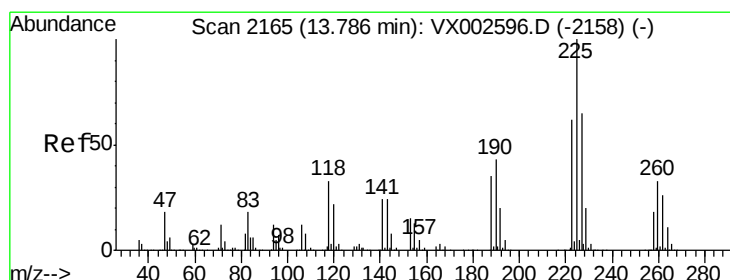
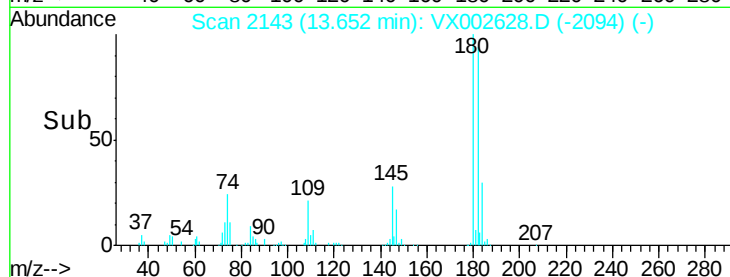
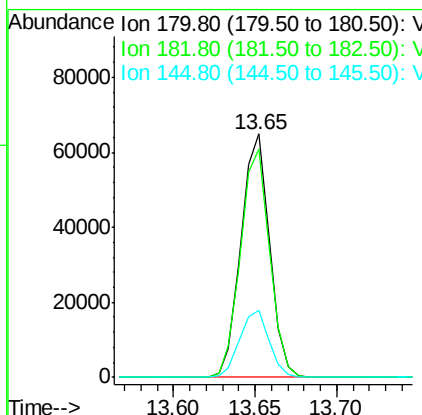
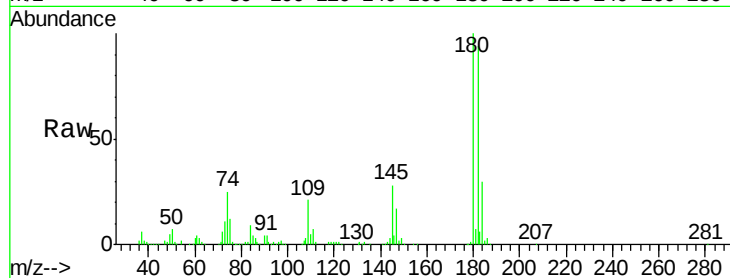
#93
 1,2,4-Trichlorobenzene
 Concen: 19.43 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0615WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.7	143.1
145	28.4	14.1	42.4

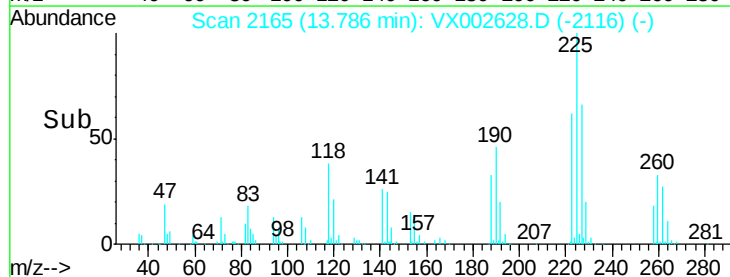
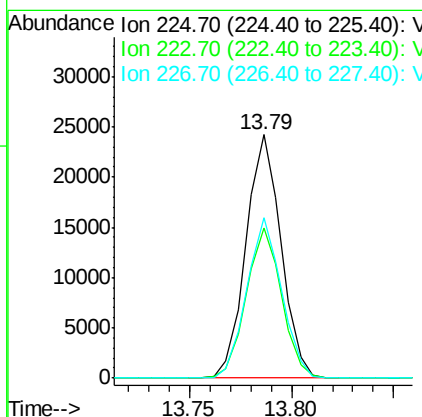
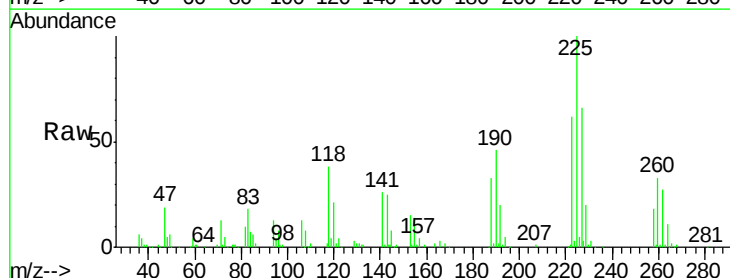
Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:06 PM



#94
 Hexachlorobutadiene
 Concen: 13.44 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002628.D
 Acq: 16 Jun 2018 06:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.6	95.0
227	65.2	32.4	97.2





#95

Naphthalene

Concen: 22.17 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Instrument :

MSVOA_X

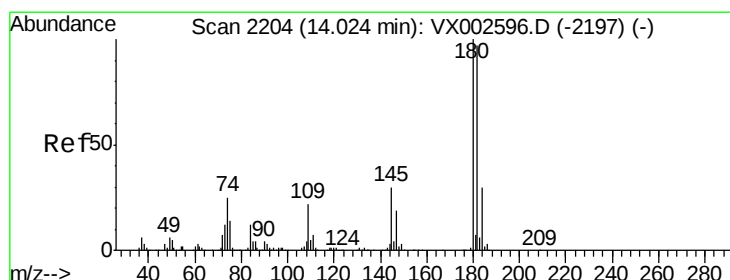
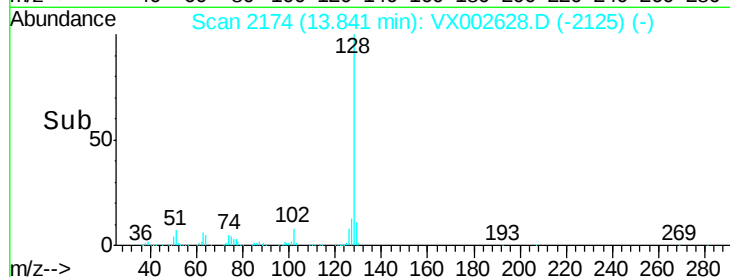
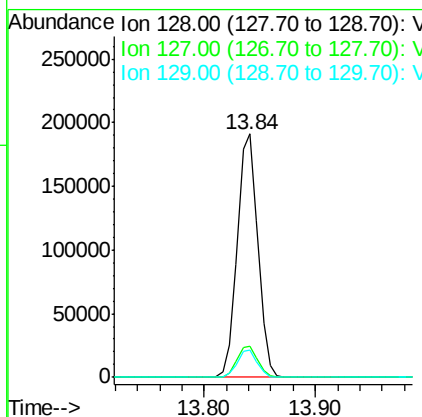
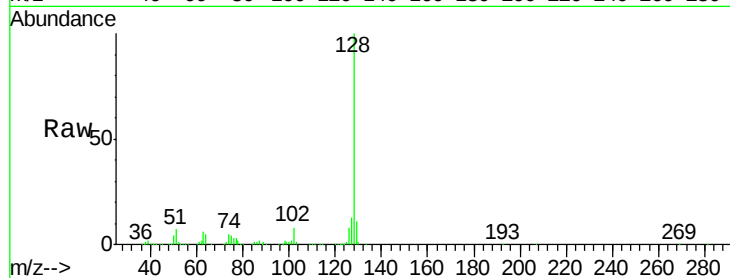
ClientSampleId :

VX0615WBS02

Tot Ion:	128	Resp:	244286
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.37 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002628.D

Acq: 16 Jun 2018 06:19

Tgt Ion:	180	Resp:	83742
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.0	144.0
145	30.3	14.8	44.3

