

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
 Data File : VX001145.D
 Acq On : 26 Apr 2018 23:28
 Operator : JC/MD
 Sample : VX0426WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:03:28 PM

Quant Time: Apr 27 07:29:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	312440	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	163827	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	5.51	113	129266	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.72	98	489753	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.14	95	184778	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49489	20.709	ug/l	98
3) Chloromethane	1.32	50	47190	18.856	ug/l	100
4) Vinyl Chloride	1.40	62	54493	20.523	ug/l	98
5) Bromomethane	1.64	94	39849	23.341	ug/l	100
6) Chloroethane	1.73	64	33562	20.082	ug/l	100
7) Trichlorofluoromethane	1.93	101	90681	21.146	ug/l	97
8) Diethyl Ether	2.19	74	32372	19.634	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49673	21.024	ug/l	99
10) Methyl Iodide	2.51	142	34904	19.391	ug/l	97
11) Tert butyl alcohol	3.09	59	73603	105.669	ug/l	97
12) 1,1-Dichloroethene	2.37	96	46798	20.309	ug/l	99
13) Acrolein	2.30	56	23194	88.083	ug/l	94
14) Allyl chloride	2.73	41	85506	20.342	ug/l	99
15) Acrylonitrile	3.15	53	146754	98.664	ug/l	99
16) Acetone	2.45	43	137127	94.407	ug/l	99
17) Carbon Disulfide	2.57	76	118100	20.087	ug/l	100
18) Methyl Acetate	2.79	43	74944	20.619	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	170004	20.042	ug/l	98
20) Methylene Chloride	2.86	84	52776	19.509	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	51094	20.059	ug/l	99
22) Diisopropyl ether	3.88	45	162654	19.339	ug/l	95
23) Vinyl Acetate	3.83	43	709659	99.460	ug/l	99
24) 1,1-Dichloroethane	3.70	63	88009	19.910	ug/l	98
25) 2-Butanone	4.72	43	210465	96.839	ug/l	98
26) 2,2-Dichloropropane	4.59	77	58329	16.764	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	55938	20.057	ug/l	98
28) Bromochloromethane	5.03	49	34839	17.578	ug/l	98
29) Tetrahydrofuran	5.18	42	134845	96.500	ug/l	99
30) Chloroform	5.23	83	93496	19.890	ug/l	100
31) Cyclohexane	5.58	56	79401	21.142	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	82272	20.275	ug/l	98
36) 1,1-Dichloropropene	5.81	75	69735	20.254	ug/l	99
37) Ethyl Acetate	4.87	43	81493	19.765	ug/l	98
38) Carbon Tetrachloride	5.79	117	72264	20.469	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	80252	21.061	ug/l	98
40) Benzene	6.15	78	205513	20.634	ug/l	97
41) Methacrylonitrile	5.07	41	45536	19.655	ug/l	98
42) 1,2-Dichloroethane	6.21	62	81598	20.331	ug/l	100
43) Isopropyl Acetate	6.48	43	128066	19.777	ug/l	99
44) Trichloroethene	7.22	130	60931	20.535	ug/l	100
45) 1,2-Dichloropropane	7.52	63	52877	20.185	ug/l	98
46) Dibromomethane	7.67	93	37378	20.605	ug/l	99
47) Bromodichloromethane	7.91	83	65640	19.916	ug/l	99
48) Methyl methacrylate	7.79	41	67171	19.515	ug/l	99
49) 1,4-Dioxane	7.76	88	27740	402.552	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	430723	101.263	ug/l	98
52) Toluene	8.79	92	135927	20.870	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	76140	19.872	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	69954	18.932	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	54816	19.893	ug/l	96
56) Ethyl methacrylate	9.19	69	81896	20.059	ug/l	100
57) 1,3-Dichloropropane	9.38	76	89930	20.174	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	181662	94.119	ug/l	100
59) 2-Hexanone	9.51	43	332077	99.641	ug/l	99
60) Dibromochloromethane	9.59	129	54894	19.259	ug/l	98
61) 1,2-Dibromoethane	9.68	107	59148	20.488	ug/l	99
64) Tetrachloroethene	9.34	164	68956	21.983	ug/l	99
65) Chlorobenzene	10.15	112	156895	20.378	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	54986	20.642	ug/l	99
67) Ethyl Benzene	10.26	91	262880	21.015	ug/l	100
68) m/p-Xylenes	10.37	106	205594	41.573	ug/l	98
69) o-Xylene	10.70	106	100388	20.929	ug/l	99
70) Styrene	10.72	104	163079	20.429	ug/l	99
71) Bromoform	10.86	173	43841	19.049	ug/l	99
73) Isopropylbenzene	11.02	105	270273	21.166	ug/l	100
74) N-amyl acetate	6.48	43	128066	19.903	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	83305	19.663	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	79258m	19.868	ug/l	
77) Bromobenzene	11.26	156	77328	20.421	ug/l	100
78) n-propylbenzene	11.37	91	304441	21.381	ug/l	100
79) 2-Chlorotoluene	11.43	91	183018	20.735	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	229025	21.184	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	17183	17.440	ug/l	93
82) 4-Chlorotoluene	11.52	91	217470	20.729	ug/l	100
83) tert-Butylbenzene	11.77	119	226180	20.964	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	236431	21.277	ug/l	99
85) sec-Butylbenzene	11.95	105	272381	21.612	ug/l	100
86) p-Isopropyltoluene	12.07	119	248390	21.186	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	140064	20.604	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	143739	20.294	ug/l	99
89) n-Butylbenzene	12.40	91	213160	21.006	ug/l	100
90) Hexachloroethane	12.60	117	34305	20.284	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	140050	20.383	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18903	20.217	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	108009	20.053	ug/l	99
94) Hexachlorobutadiene	13.79	225	51633	20.393	ug/l	99
95) Naphthalene	13.84	128	308812	20.577	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	108808	20.300	ug/l	100

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

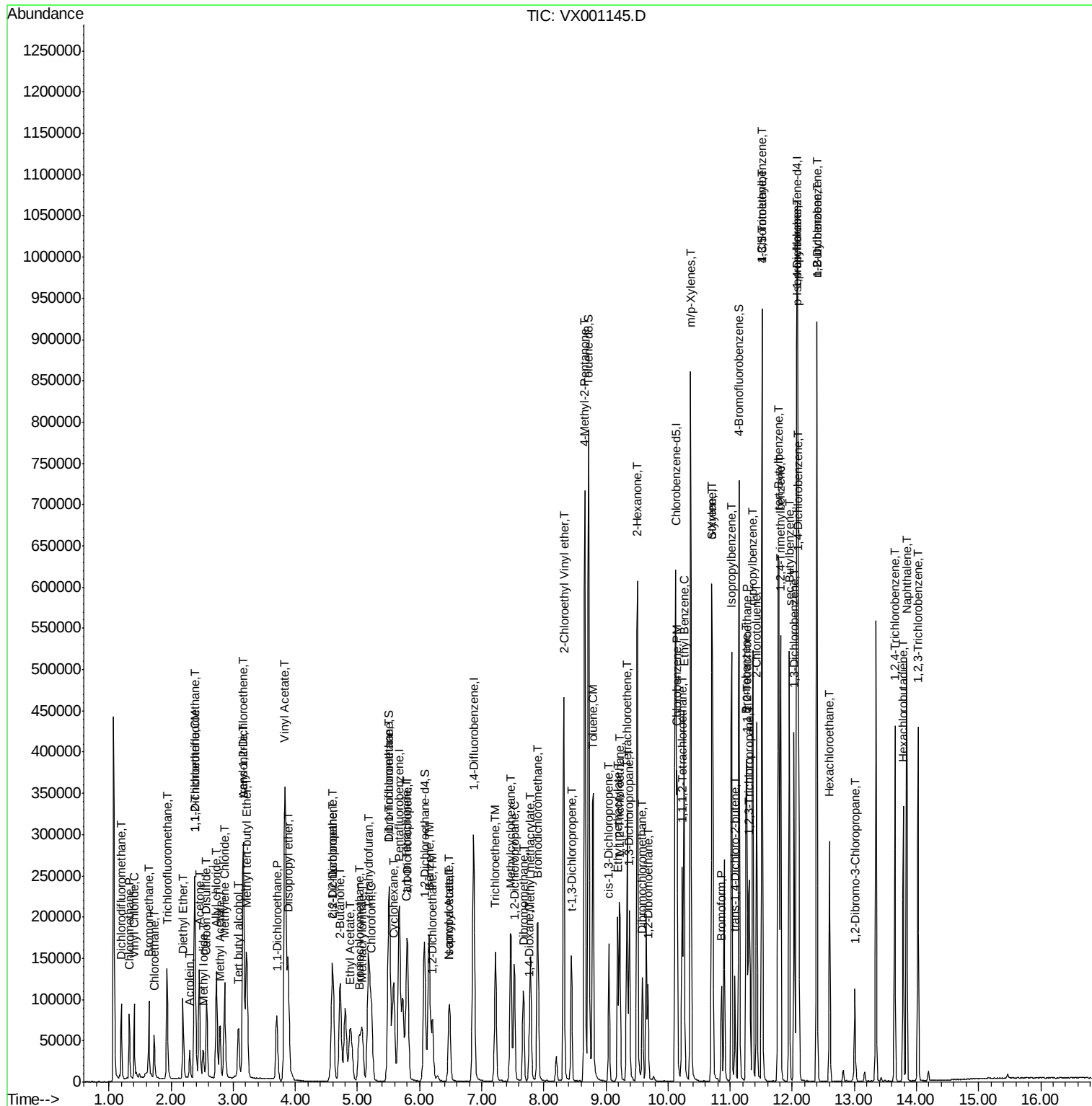
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
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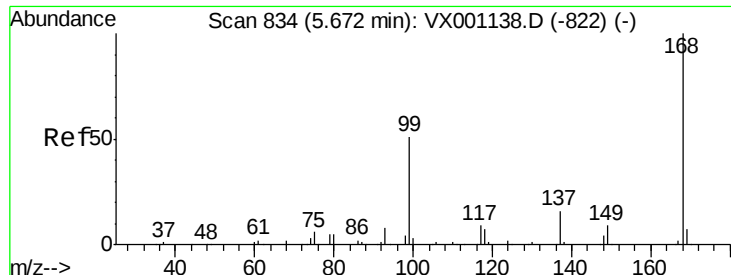
Instrument :
 MSVOA_X
 Client Sample Id :
 VX0426WBS02

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion:168 Resp: 227863

Ion Ratio Lower Upper

168 100

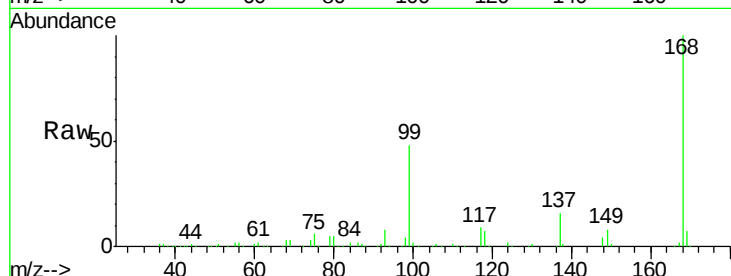
99 48.3 40.6 60.8

Manual Integrations

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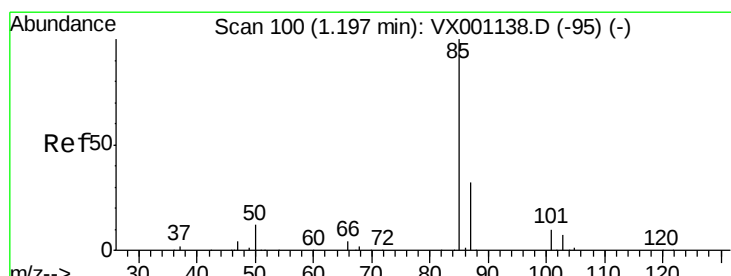
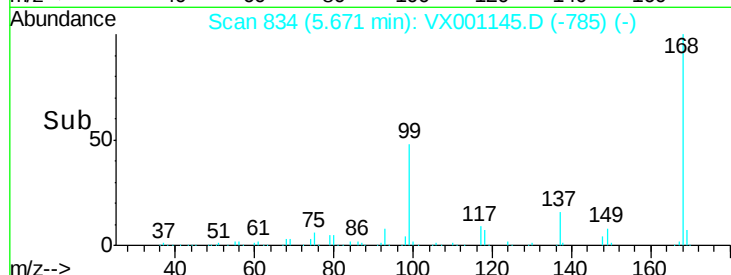
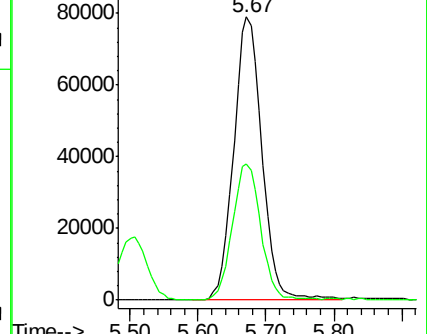
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.709 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001145.D

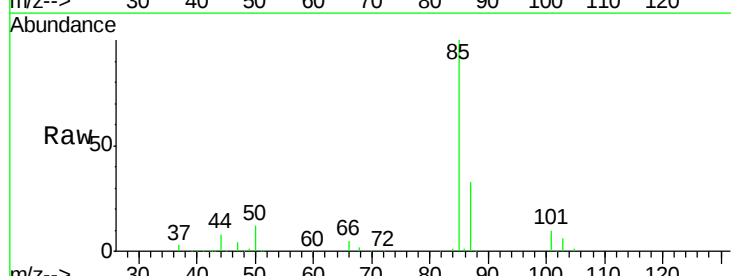
Acq: 26 Apr 2018 23:28

Tgt Ion: 85 Resp: 49489

Ion Ratio Lower Upper

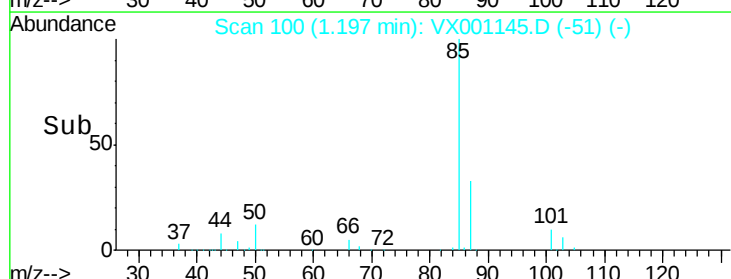
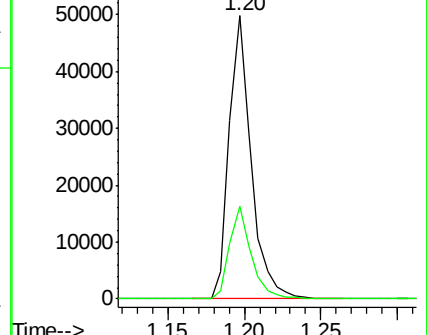
85 100

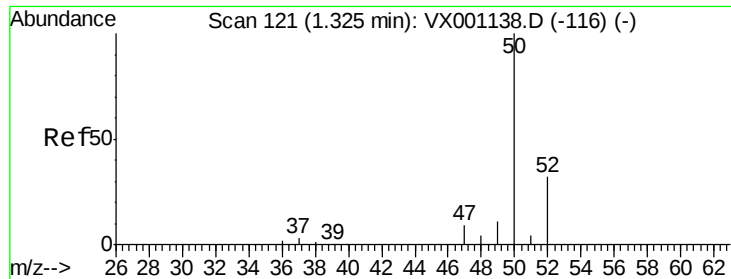
87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.856 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion: 50 Resp: 47190

Ion Ratio Lower Upper

50 100

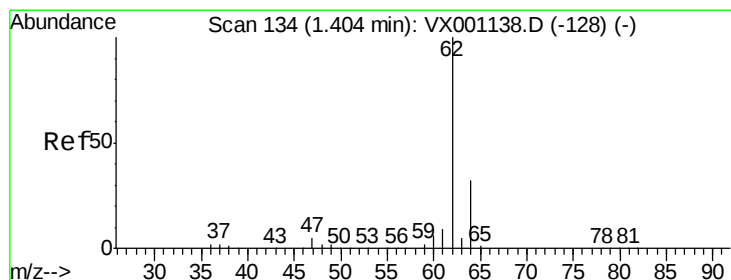
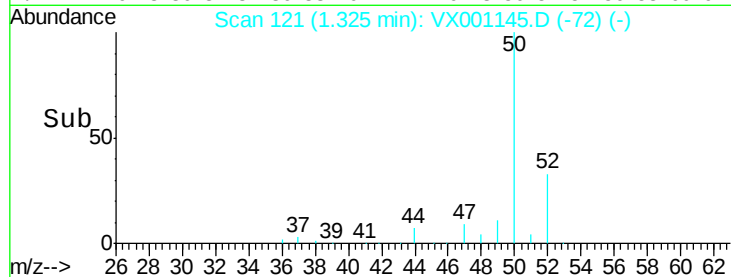
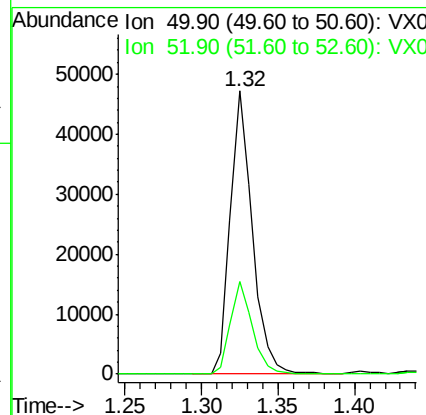
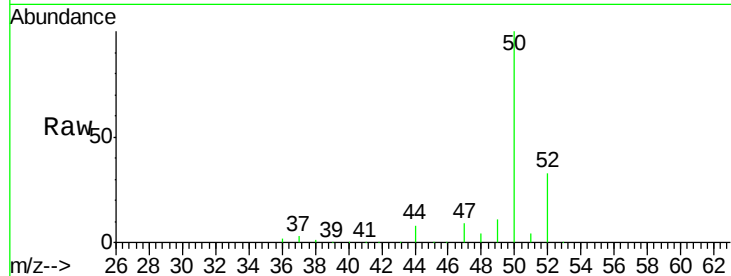
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.523 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001145.D

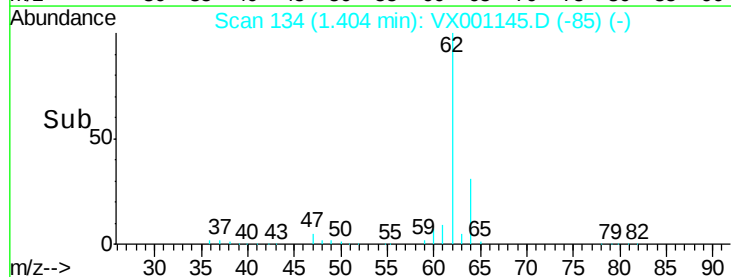
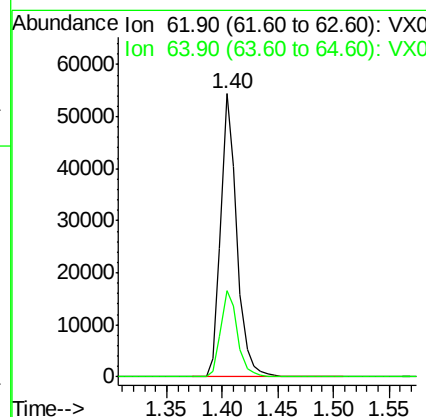
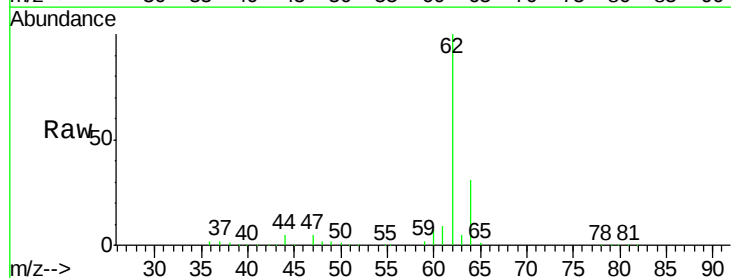
Acq: 26 Apr 2018 23:28

Tgt Ion: 62 Resp: 54493

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4





#5

Bromomethane

Concen: 23.341 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion: 94 Resp: 39849

Ion Ratio Lower Upper

94 100

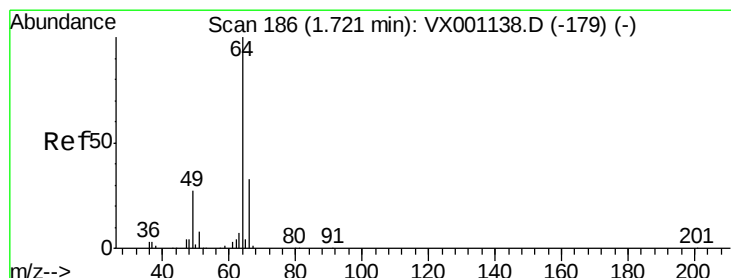
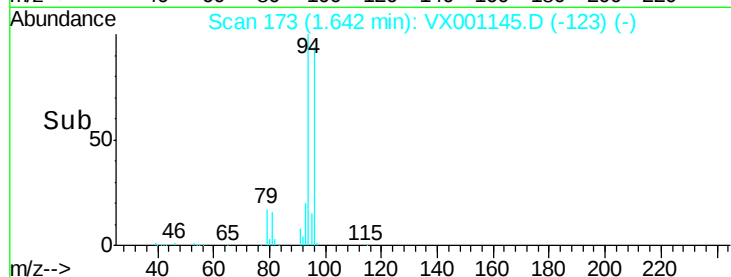
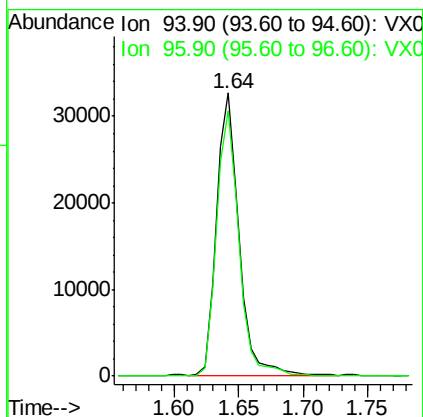
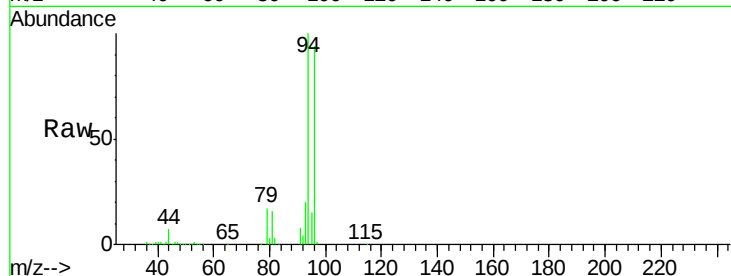
96 94.0 75.3 112.9

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 20.082 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001145.D

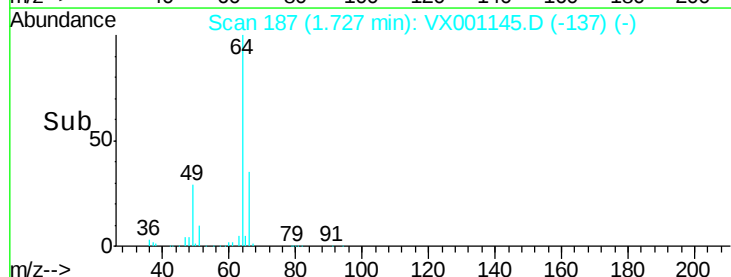
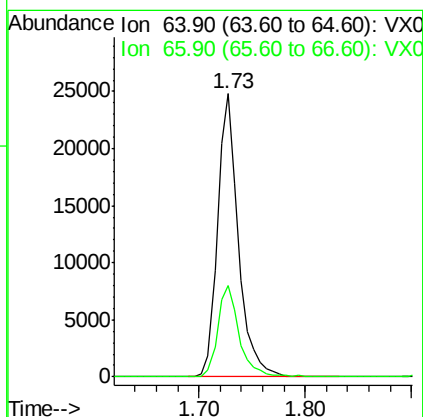
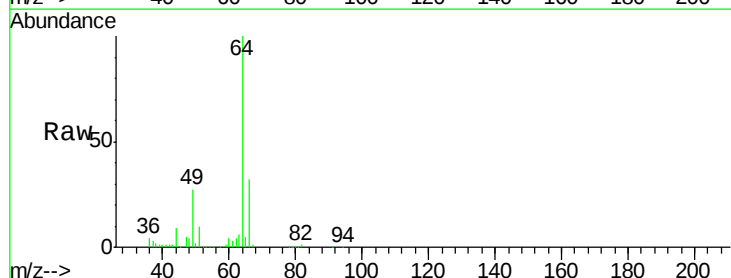
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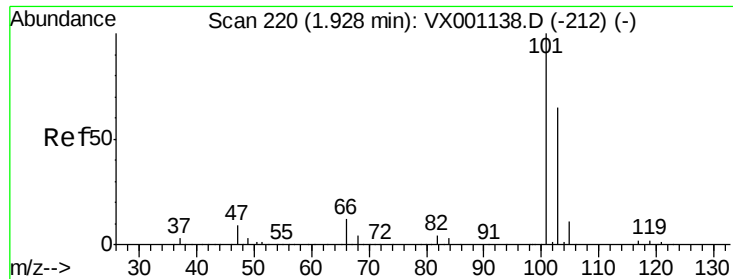
Tgt Ion: 64 Resp: 33562

Ion Ratio Lower Upper

64 100

66 32.5 26.1 39.1





#7

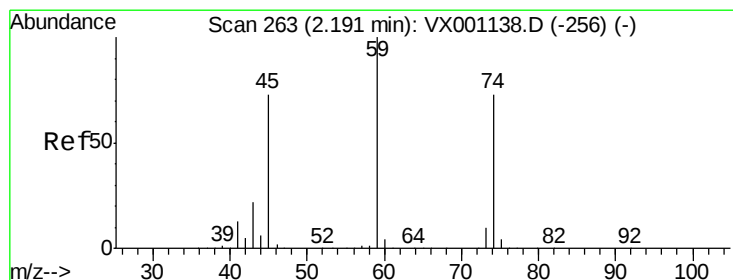
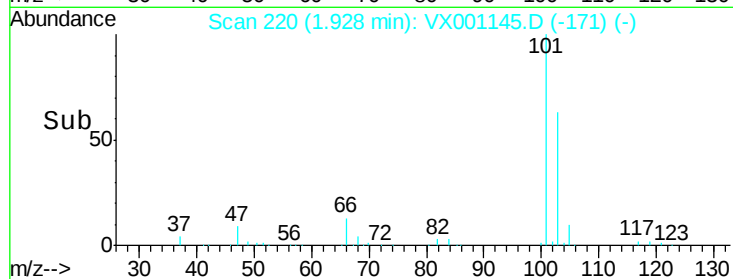
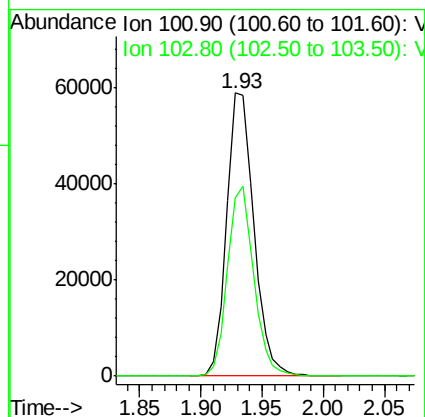
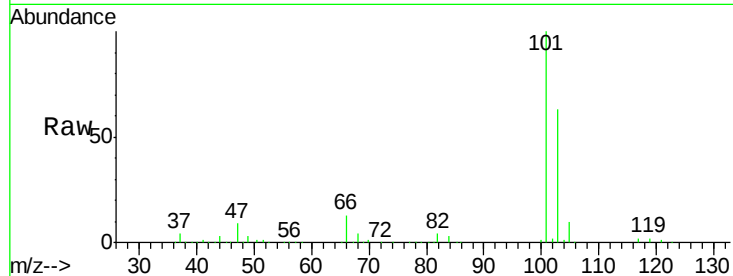
Trichlorofluoromethane
Concen: 21.146 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

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VX0426WBS02

Tot Ion:101 Resp: 90681
Ion Ratio Lower Upper
101 100
103 62.9 51.9 77.9

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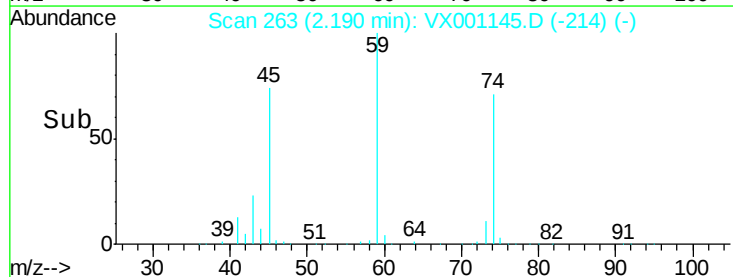
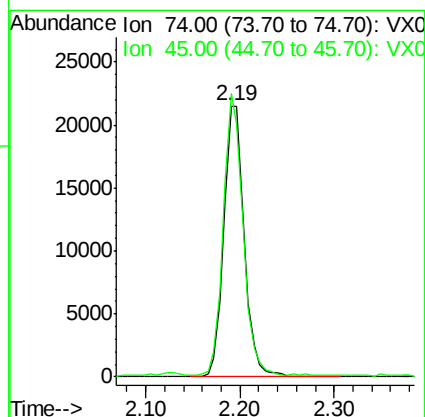
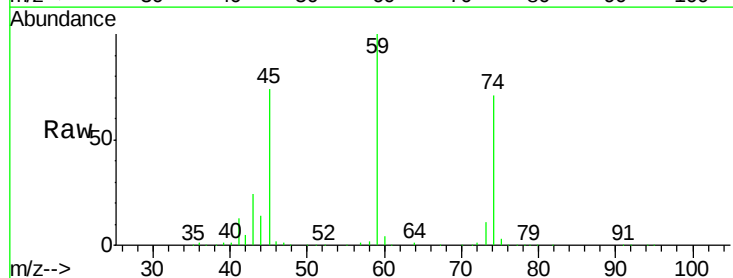
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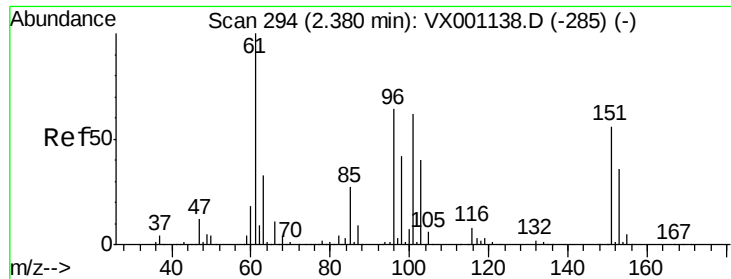


#8

Diethyl Ether
Concen: 19.634 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion: 74 Resp: 32372
Ion Ratio Lower Upper
74 100
45 99.4 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.024 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

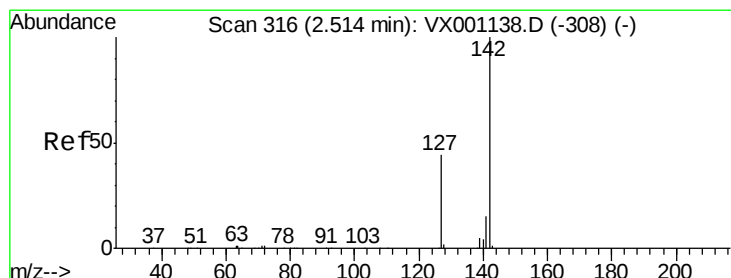
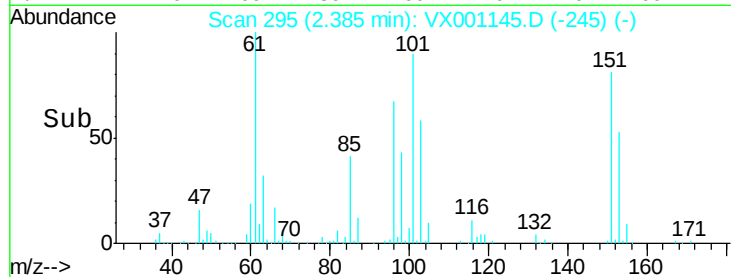
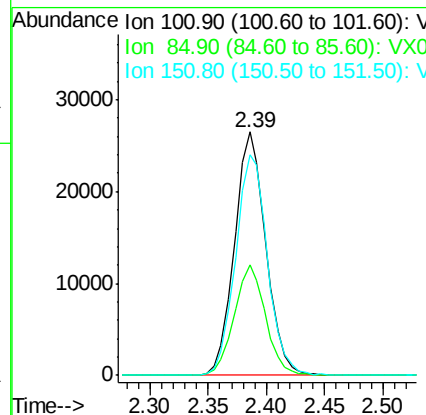
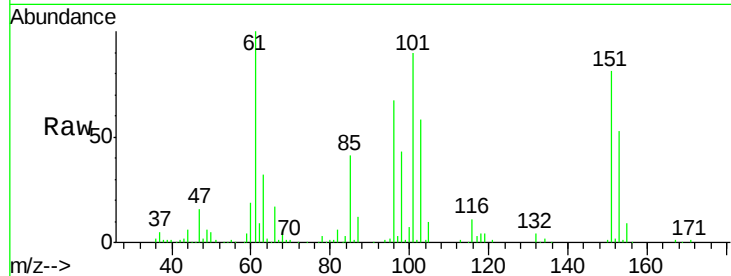
ClientSampleId :

VX0426WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.4	35.4	53.0
151	92.3	74.2	111.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.391 ug/l

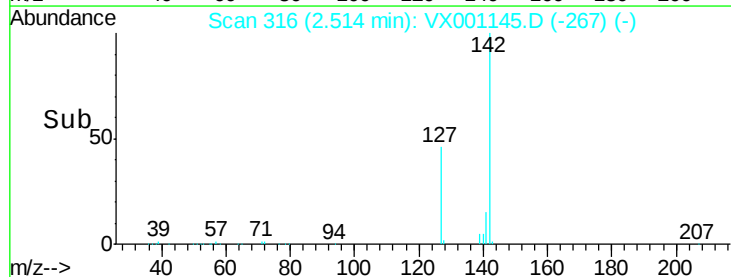
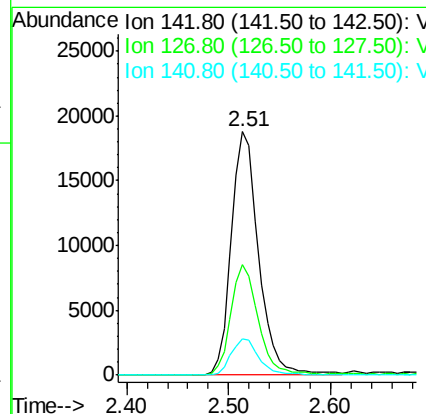
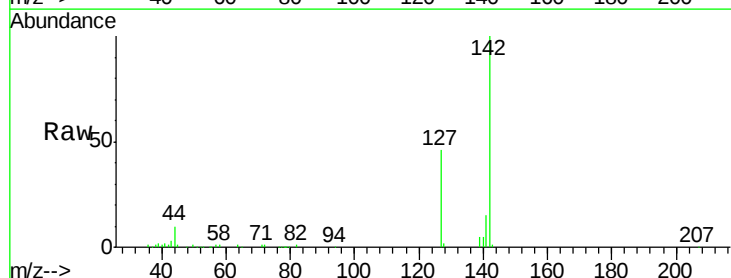
RT: 2.51 min Scan# 316

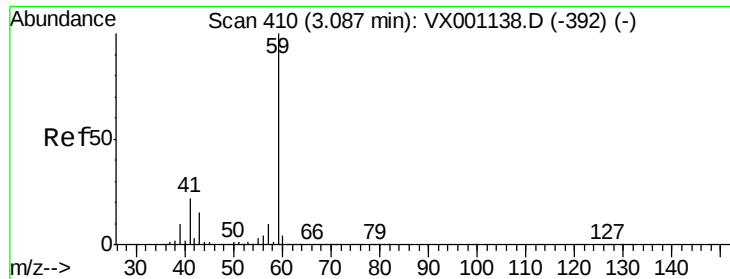
Delta R.T. 0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.3	34.7	52.1
141	15.1	11.6	17.4





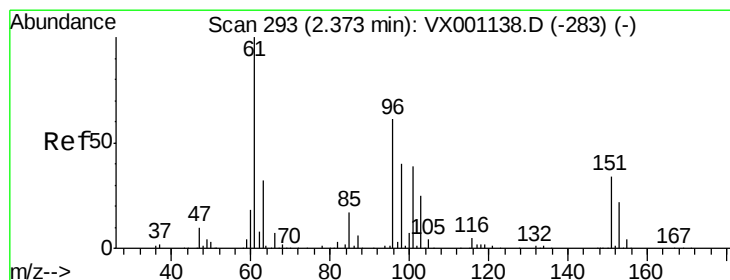
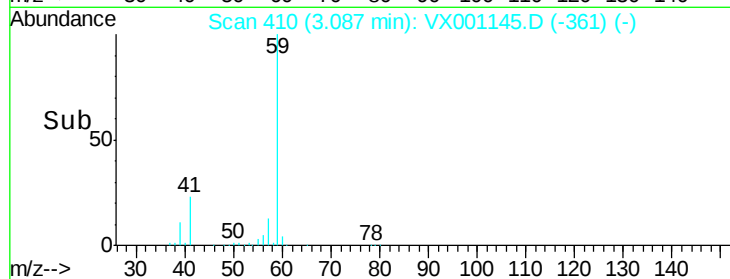
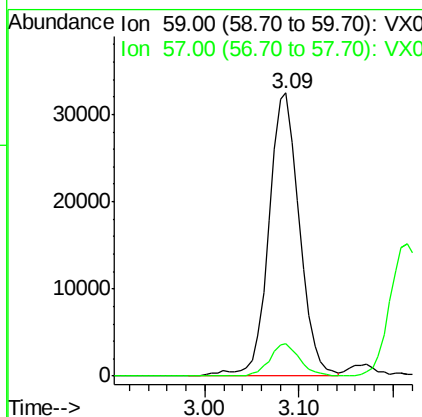
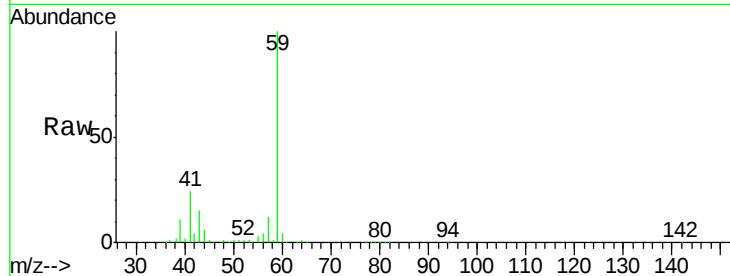
#11
Tert butyl alcohol
Concen: 105.669 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampled :
VX0426WBS02

Tot Ion: 59 Resp: 73603
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.4

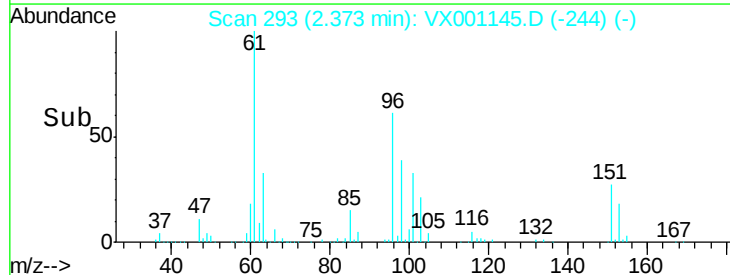
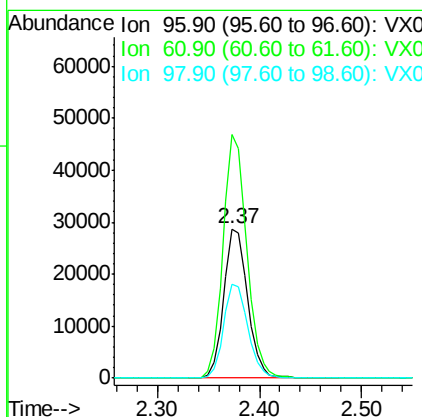
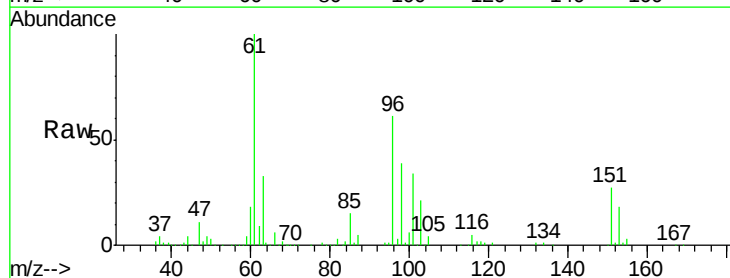
Manual Integrations
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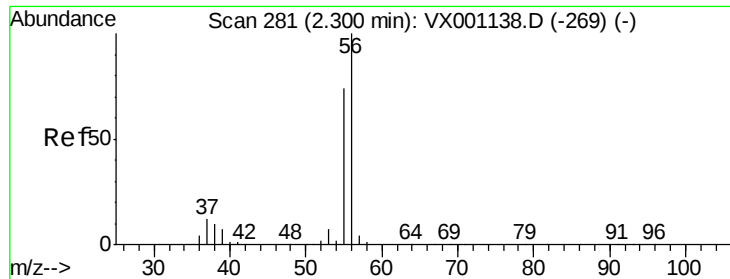
MMDadoda
4/30/2018 6:03:28 PM



#12
1,1-Dichloroethene
Concen: 20.309 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion: 96 Resp: 46798
Ion Ratio Lower Upper
96 100
61 163.0 130.2 195.4
98 63.1 51.5 77.3





#13

Acrolein

Concen: 88.083 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion: 56 Resp: 23194

Ion Ratio Lower Upper

56 100

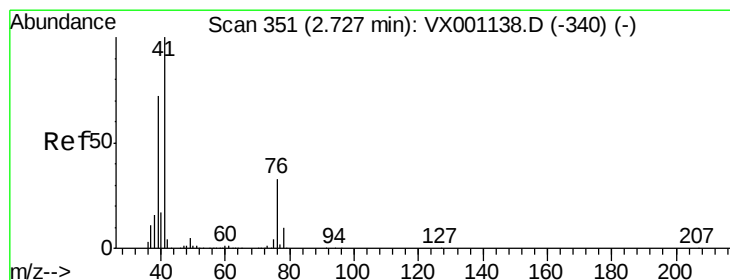
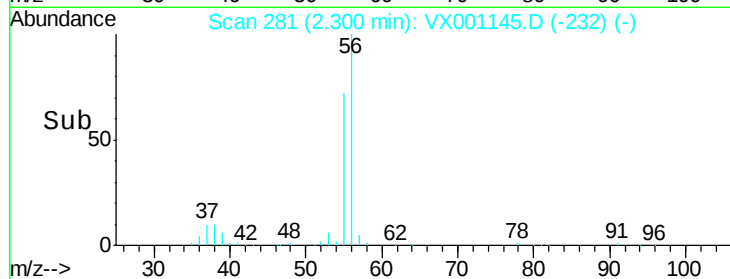
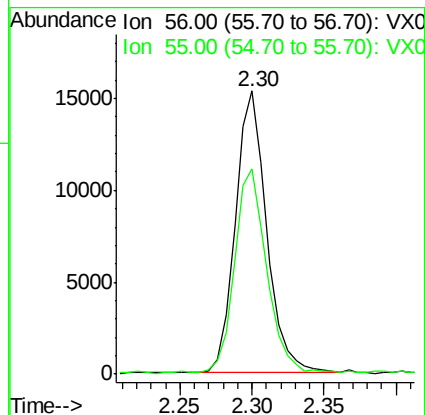
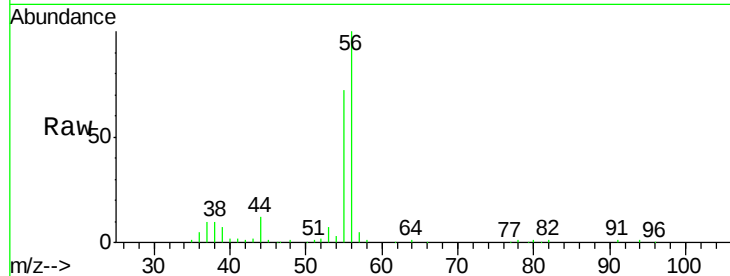
55 76.3 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.342 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

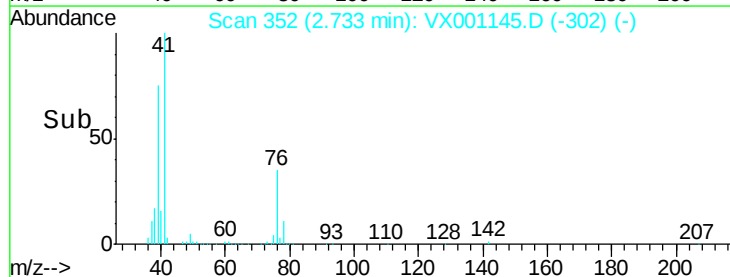
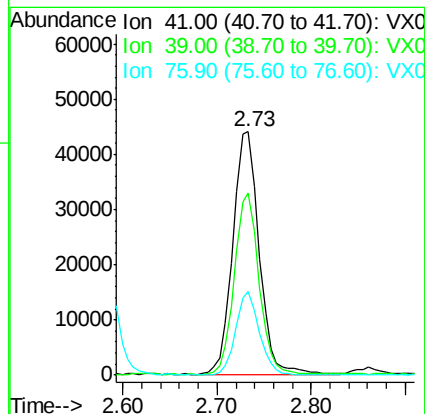
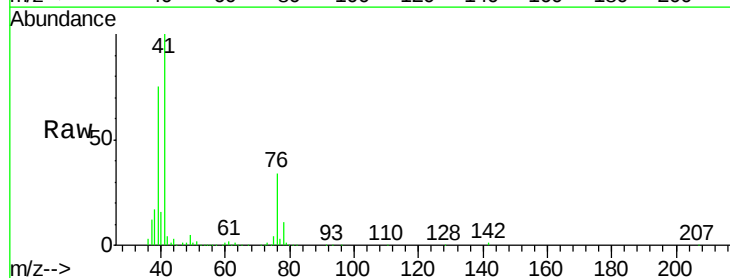
Tgt Ion: 41 Resp: 85506

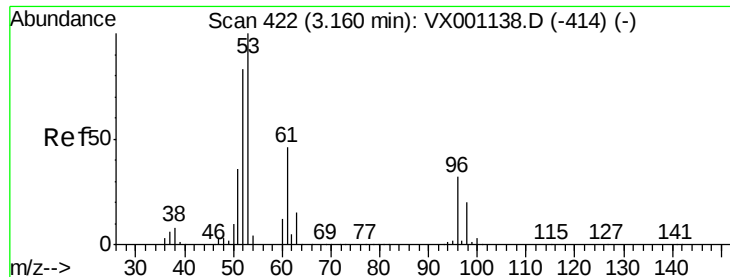
Ion Ratio Lower Upper

41 100

39 70.1 55.6 83.4

76 31.1 24.8 37.2





#15

Acrylonitrile

Concen: 98.664 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

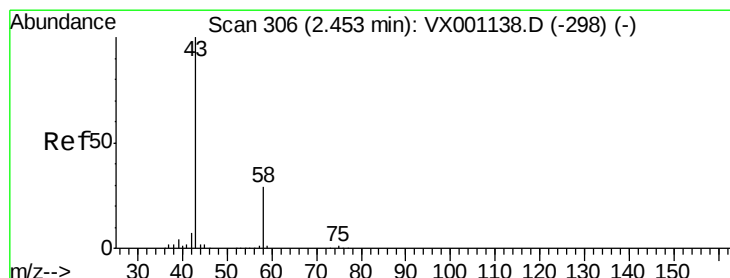
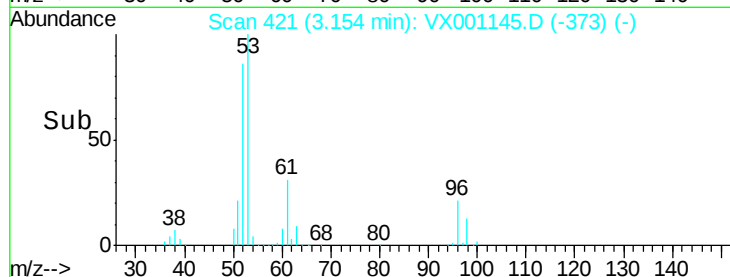
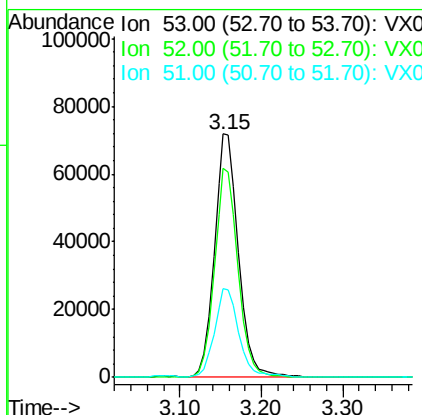
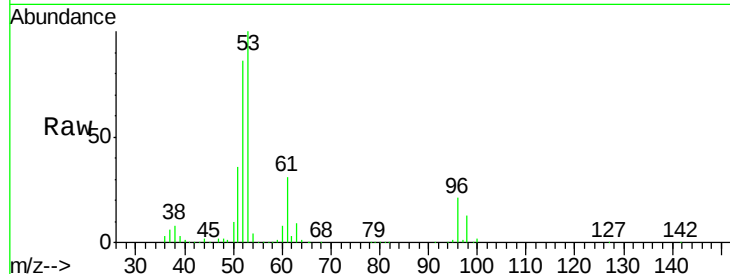
ClientSampleId :

VX0426WBS02

Tot Ion:	53	Resp:	146754
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.5	99.7
51	37.0	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 94.407 ug/l

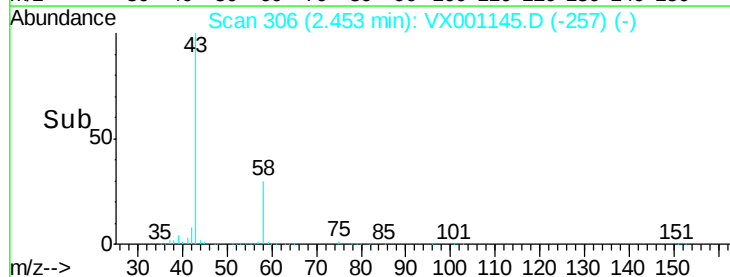
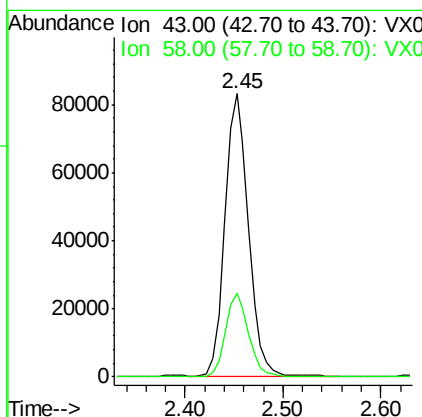
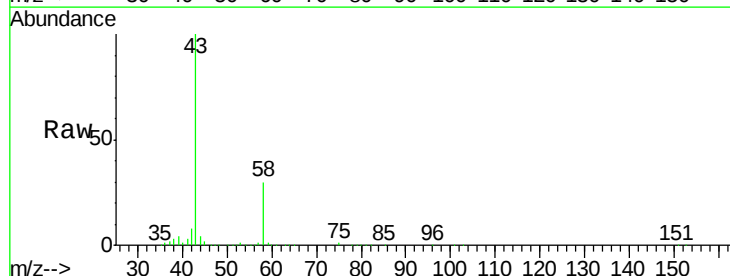
RT: 2.45 min Scan# 306

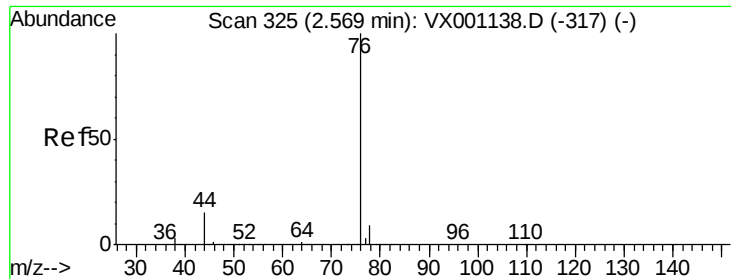
Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion:	43	Resp:	137127
Ion Ratio	Lower	Upper	
43	100		
58	29.6	23.0	34.6





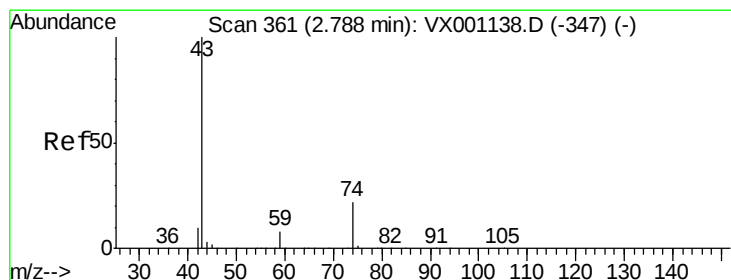
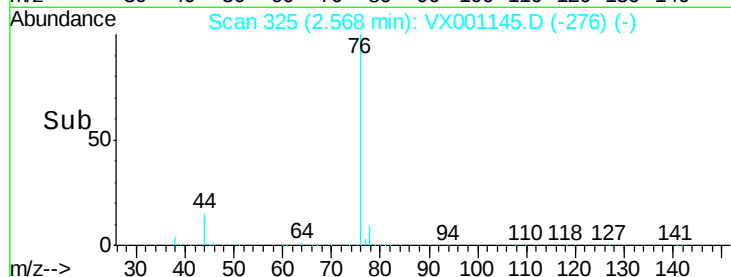
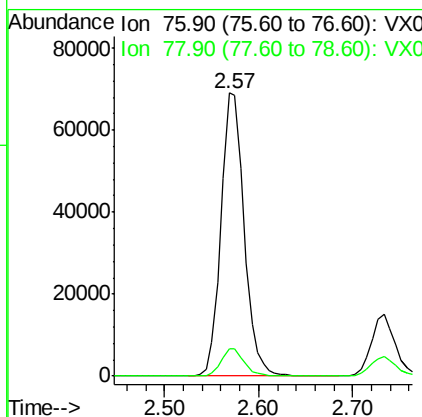
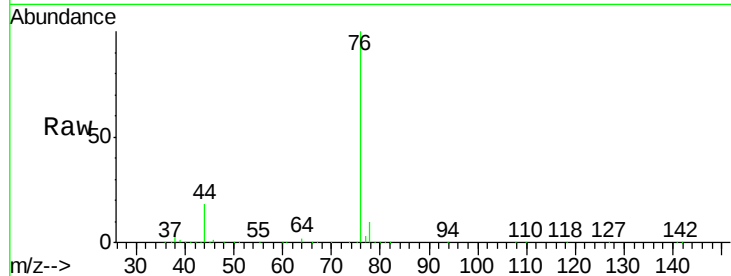
#17
Carbon Disulfide
Concen: 20.087 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

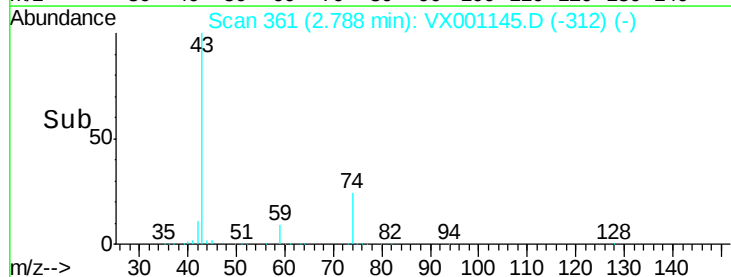
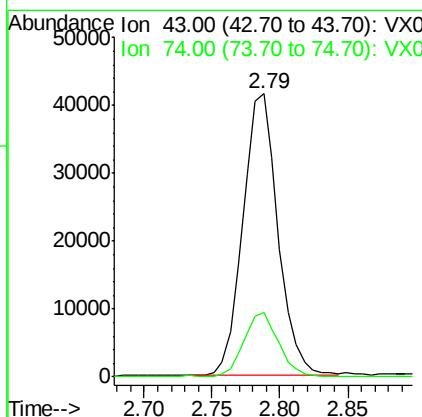
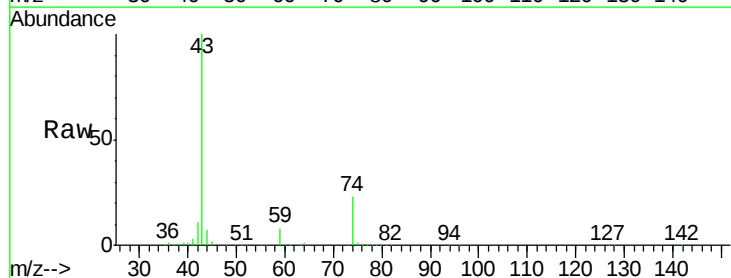
Manual Integrations
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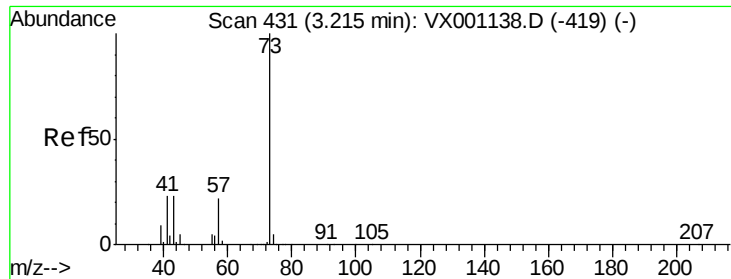
MMDadoda
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#18
Methyl Acetate
Concen: 20.619 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.1	27.1





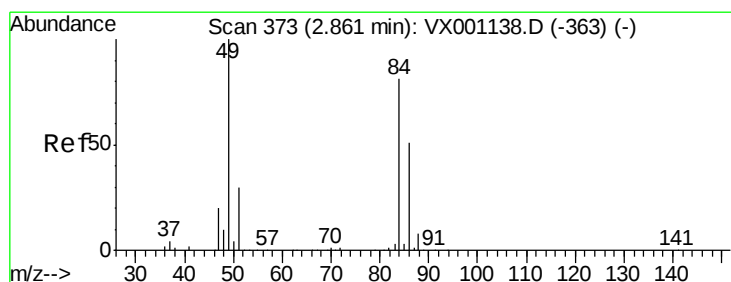
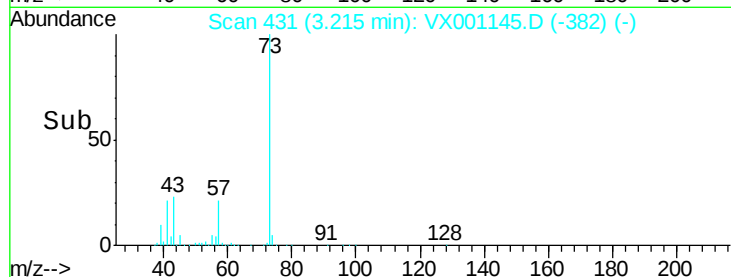
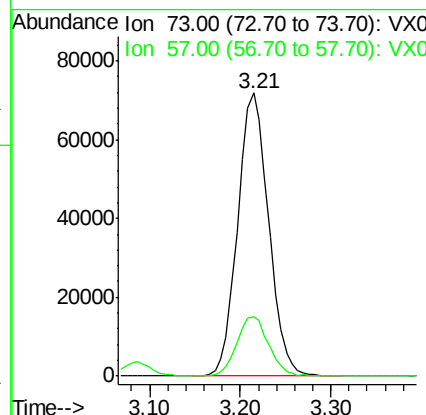
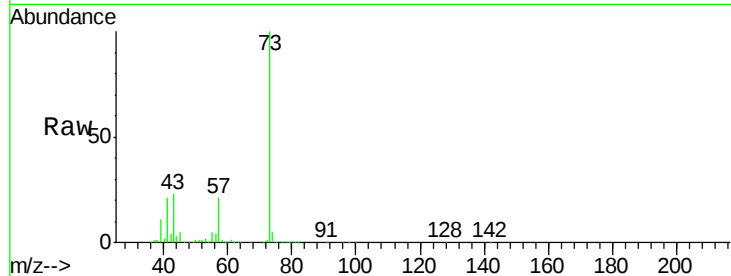
#19
Methvl tert-butvl Ether
Concen: 20.042 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion	73	Resp	170004
Ion Ratio	100	Lower	Upper
73	100		
57	21.1	17.7	26.5

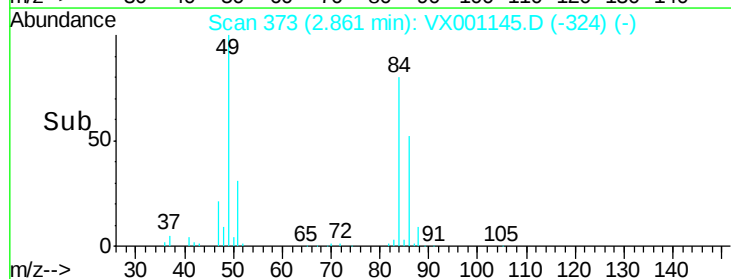
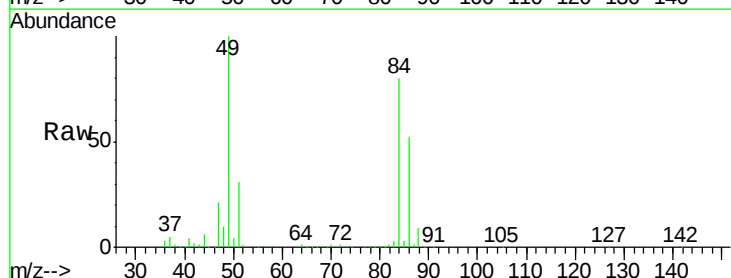
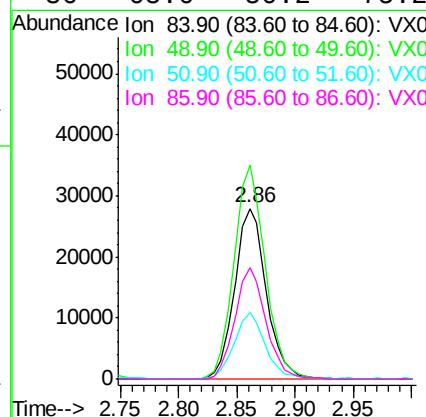
Manual Integrations
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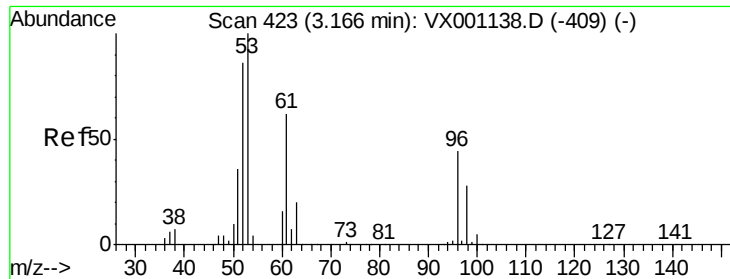
MMDadoda
4/30/2018 6:03:28 PM



#20
Methylene Chloride
Concen: 19.509 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion	84	Resp	52776
Ion Ratio	100	Lower	Upper
84	100		
49	125.0	99.2	148.8
51	39.0	29.5	44.3
86	65.0	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 20.059 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

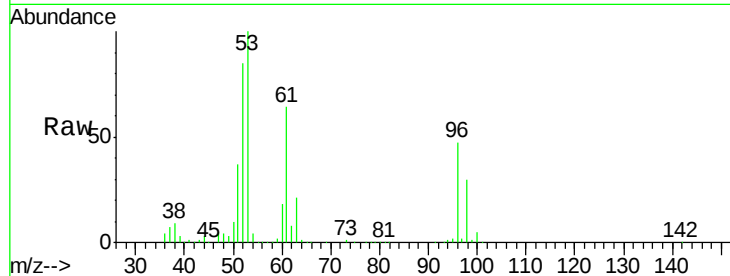
ClientSampleId :

VX0426WBS02

Tot Ion:	96	Resp:	51094
Ion	Ratio	Lower	Upper
96	100		
61	138.0	111.9	167.9
98	63.7	51.1	76.7

Manual Integrations
APPROVED

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4/30/2018 6:03:28 PM

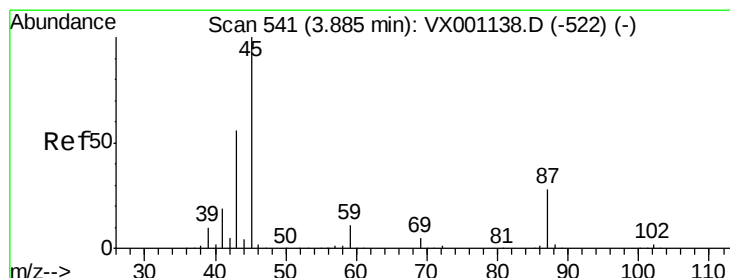
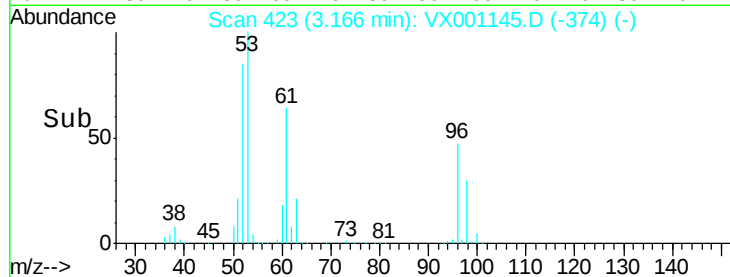
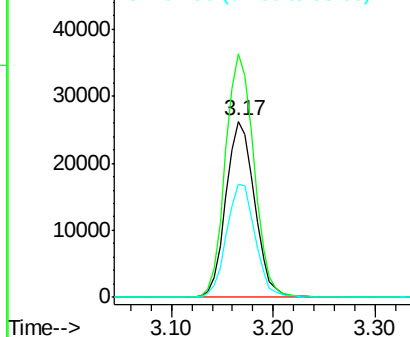


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.339 ug/l

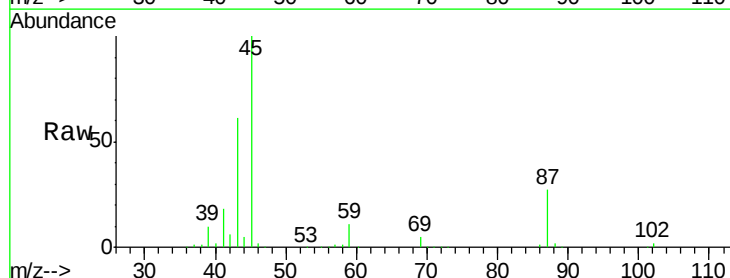
RT: 3.88 min Scan# 540

Delta R.T. -0.01 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion:	45	Resp:	162654
Ion	Ratio	Lower	Upper
45	100		
43	60.9	45.0	67.4
87	26.6	22.8	34.2
59	10.7	9.0	13.6



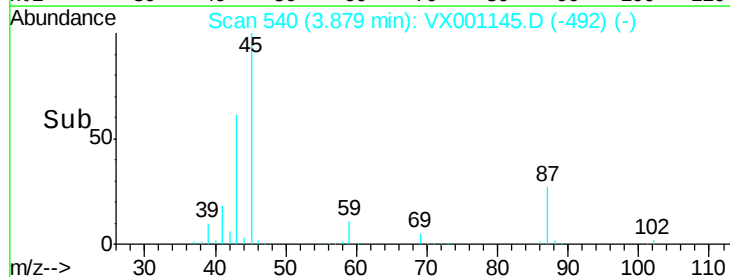
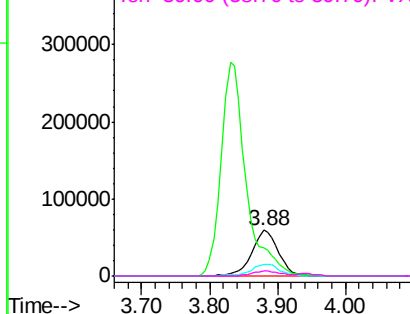
Abundance

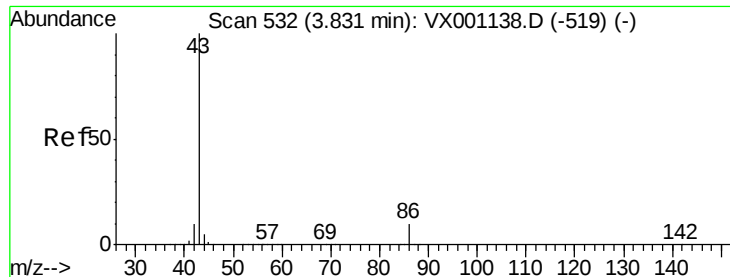
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 99.460 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion: 43 Resp: 709659

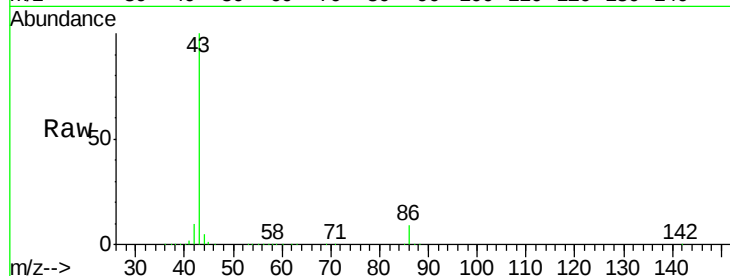
Ion Ratio Lower Upper

43 100

86 9.5 8.0 12.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

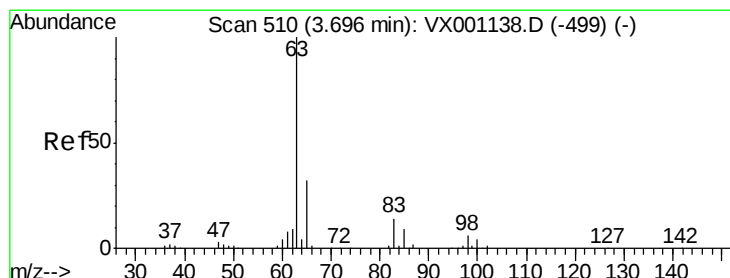
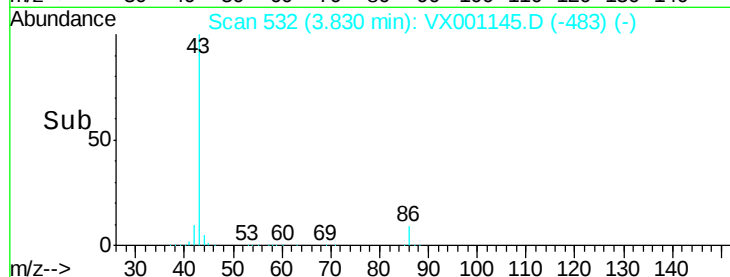
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.910 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

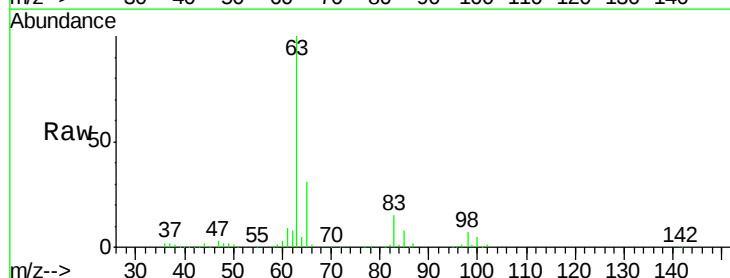
Tgt Ion: 63 Resp: 88009

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 4.7 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

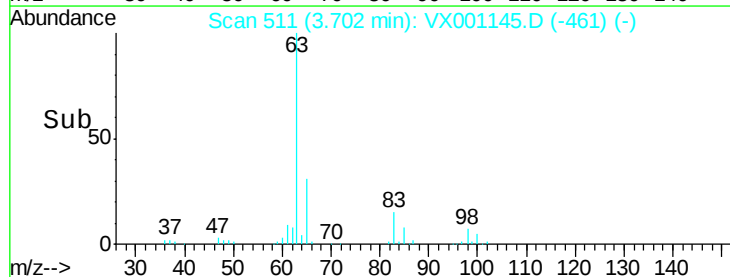
20000

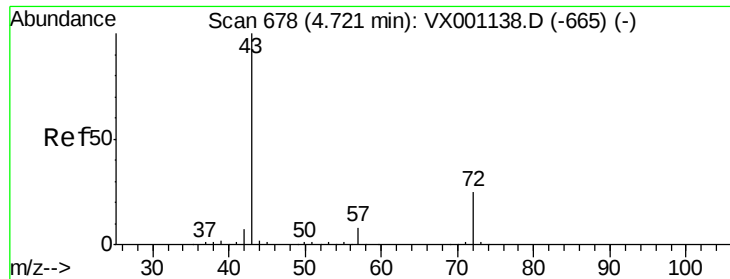
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 96.839 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion: 43 Resp: 210465

Ion Ratio Lower Upper

43 100

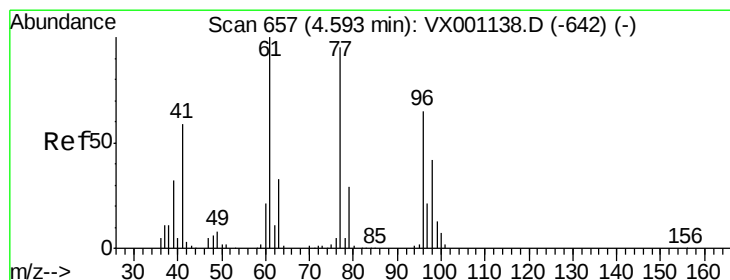
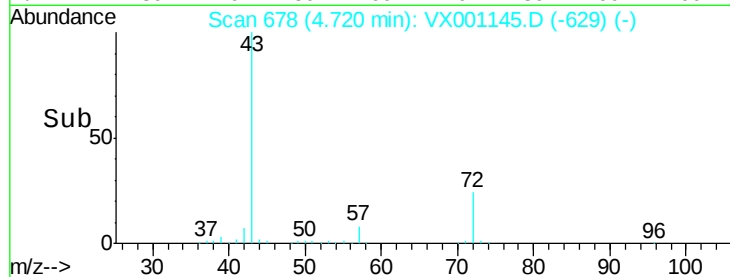
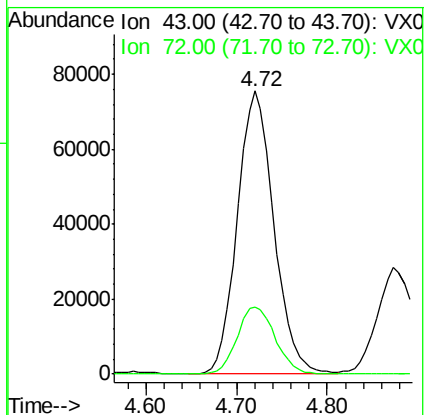
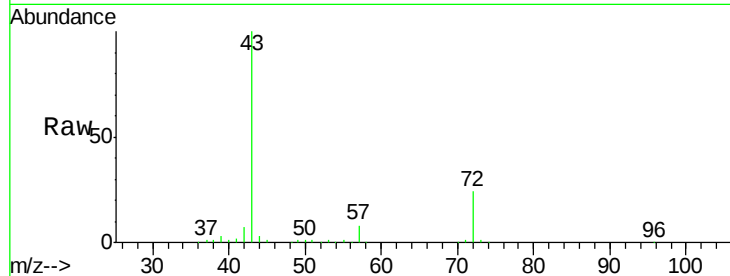
72 23.9 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.764 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX001145.D

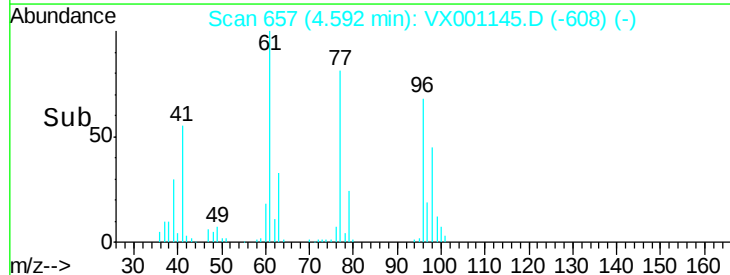
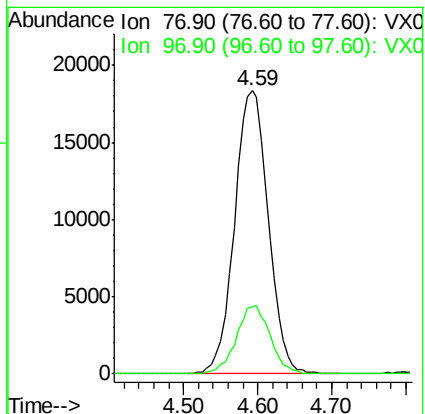
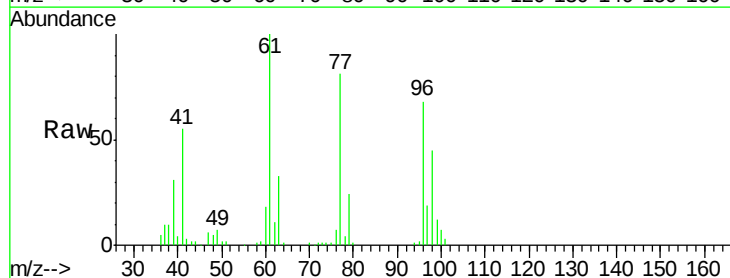
Acq: 26 Apr 2018 23:28

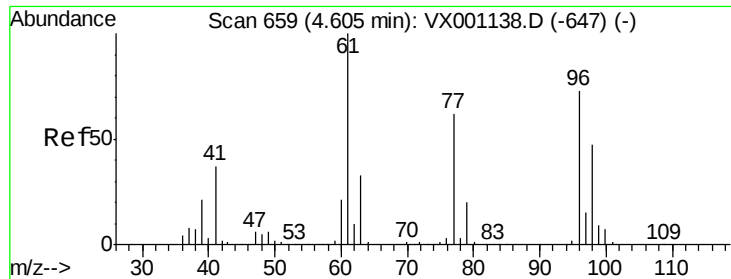
Tgt Ion: 77 Resp: 58329

Ion Ratio Lower Upper

77 100

97 24.1 11.4 34.2





#27

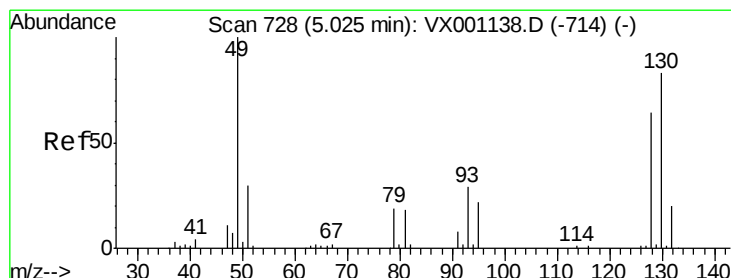
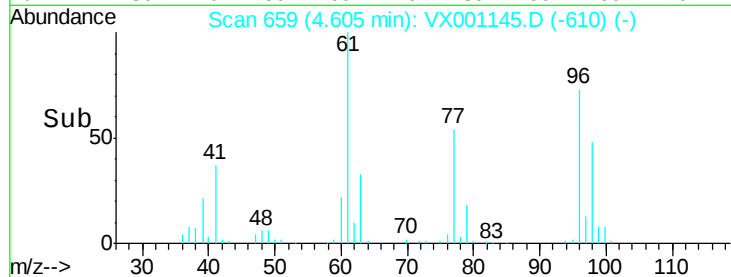
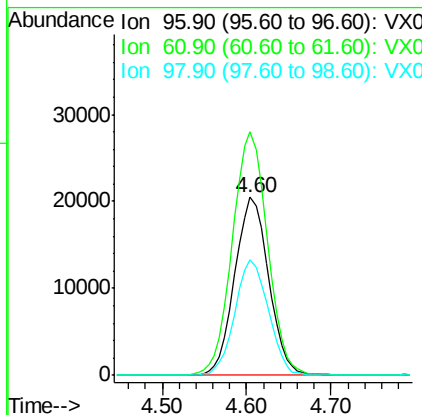
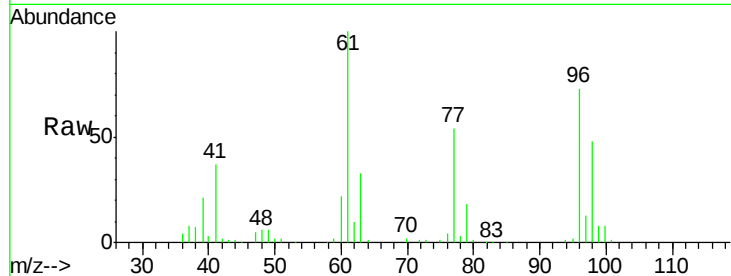
cis-1,2-Dichloroethene
 Concen: 20.057 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	55938		
61	141.5		0.0	289.0
98	64.1		0.0	128.2

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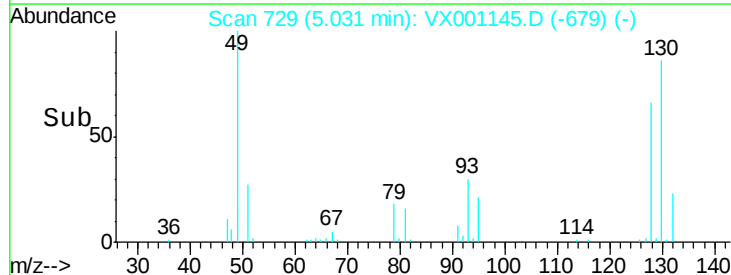
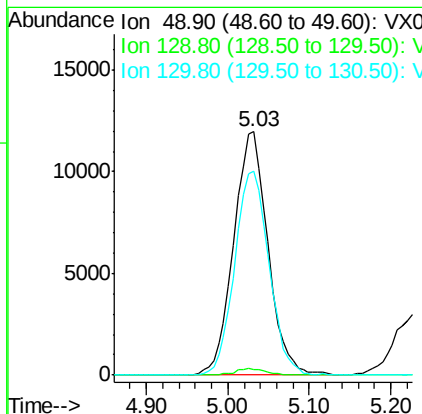
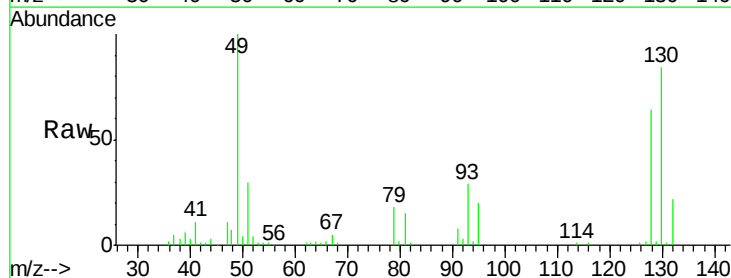
MMDadoda
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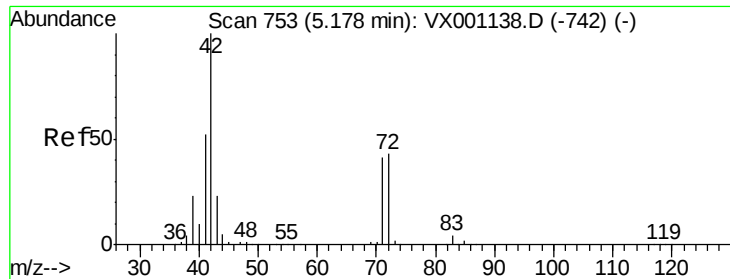


#28

Bromochloromethane
 Concen: 17.578 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34839		
129	2.3		0.0	4.6
130	83.7		68.2	102.2





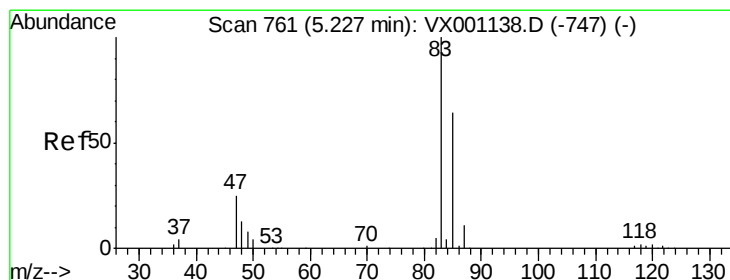
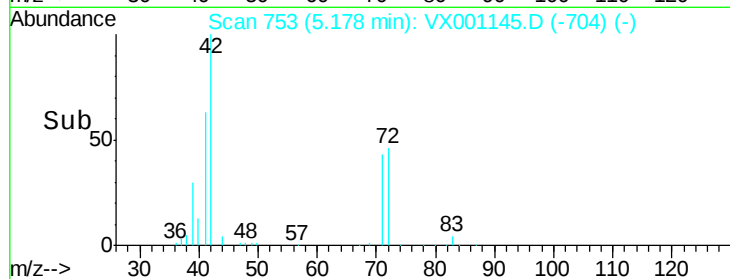
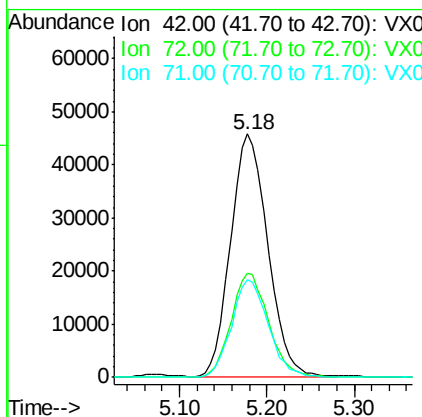
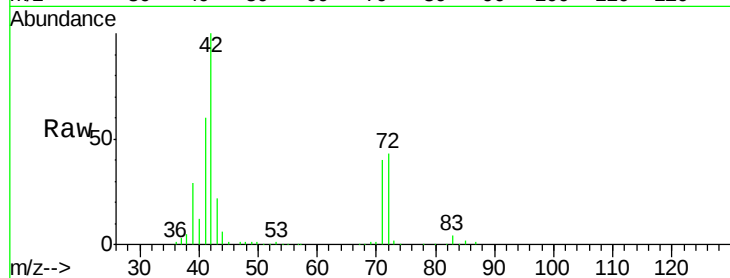
#29
Tetrahydrofuran
Concen: 96.500 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.4	51.6
71	39.9	32.1	48.1

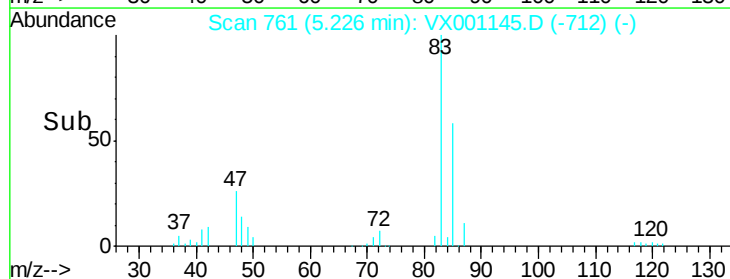
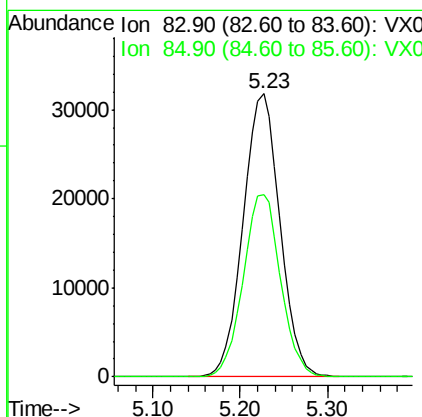
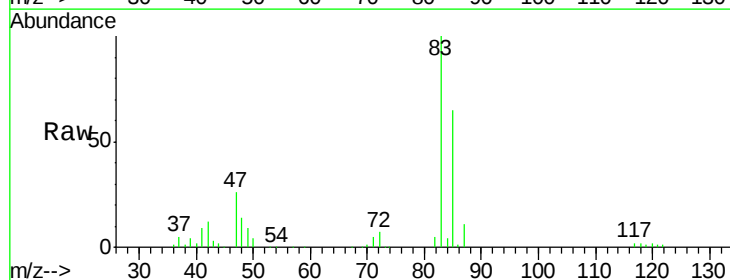
Manual Integrations
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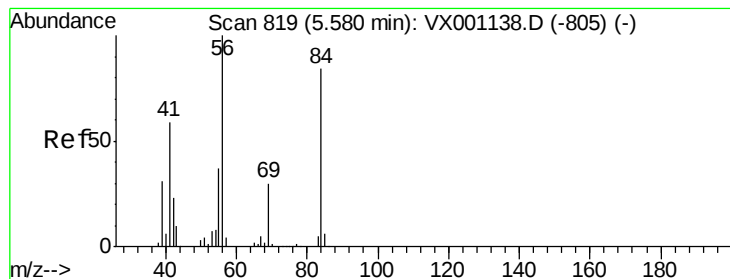
MMDadoda
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#30
Chloroform
Concen: 19.890 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0





#31

Cyclohexane

Concen: 21.142 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

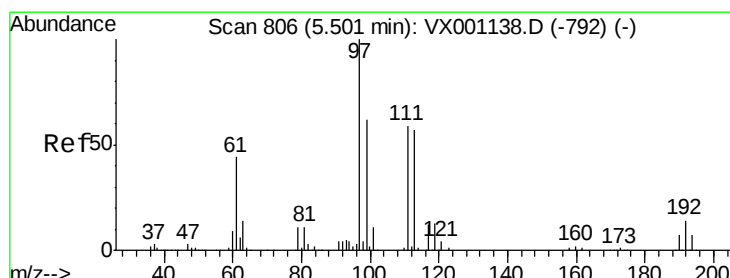
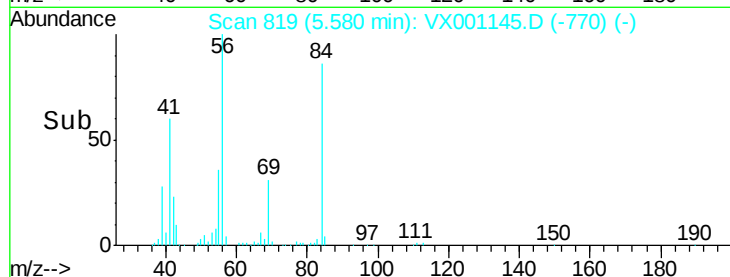
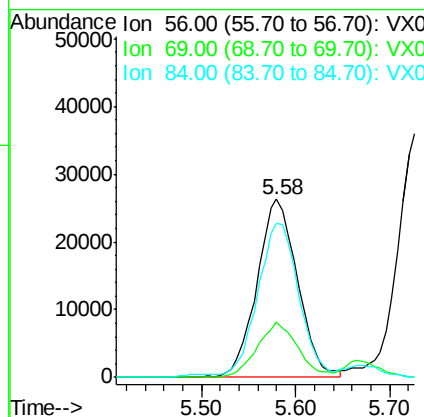
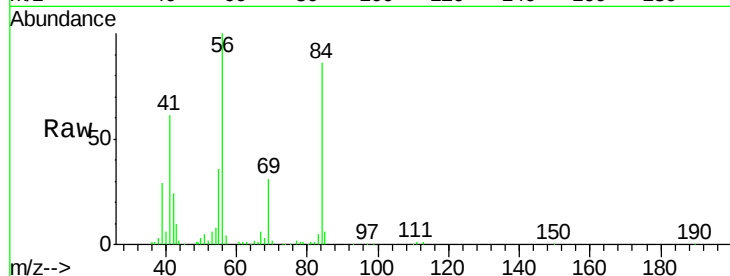
ClientSampleId :

VX0426WBS02

Tot Ion:	56	Resp:	79401
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.2	36.2
84	84.7	67.5	101.3

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#32

1,1,1-Trichloroethane

Concen: 20.275 ug/l

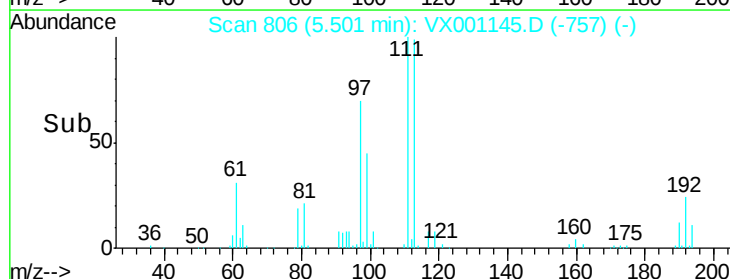
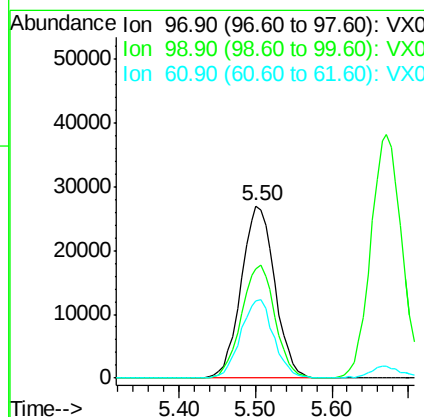
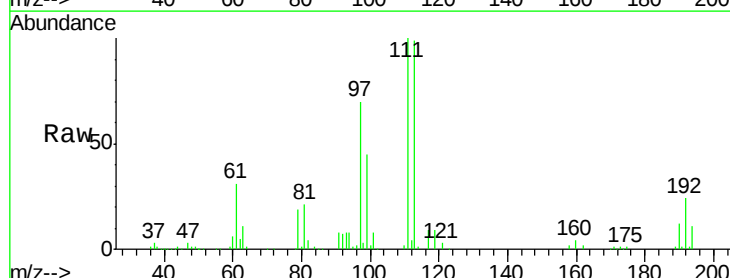
RT: 5.50 min Scan# 806

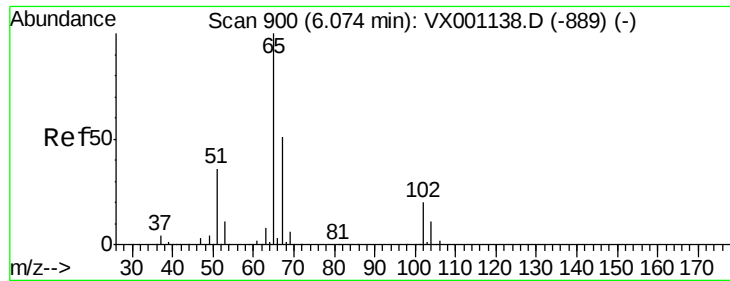
Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion:	97	Resp:	82272
Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.9	76.3
61	44.9	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 46.382 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001145.D

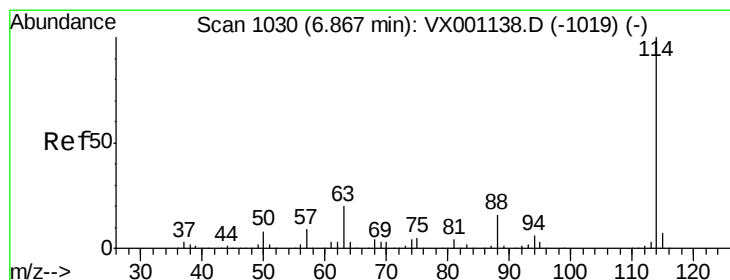
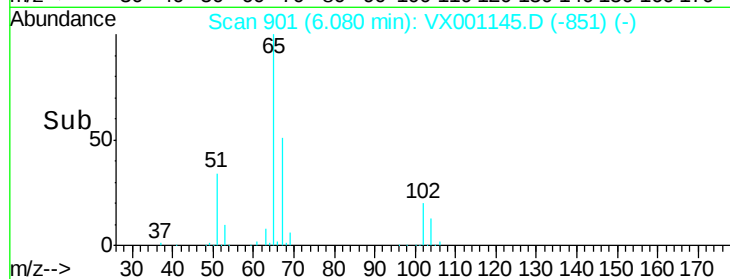
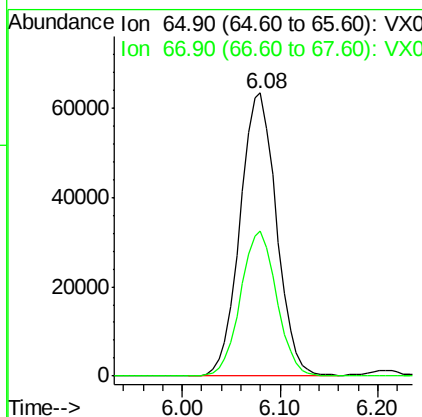
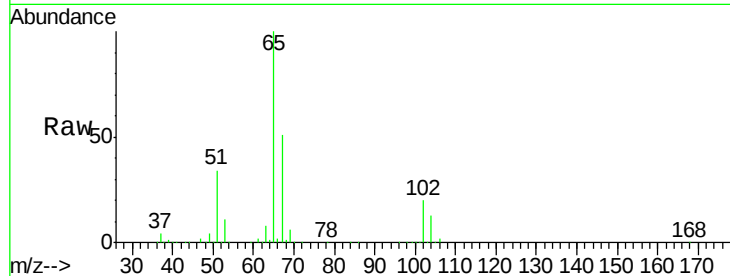
Acq: 26 Apr 2018 23:28

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163827		
67	51.0	0.0	102.2	

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

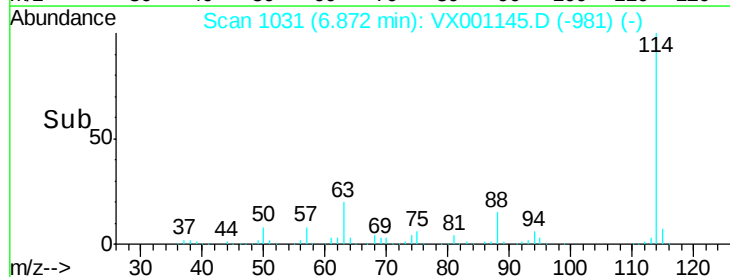
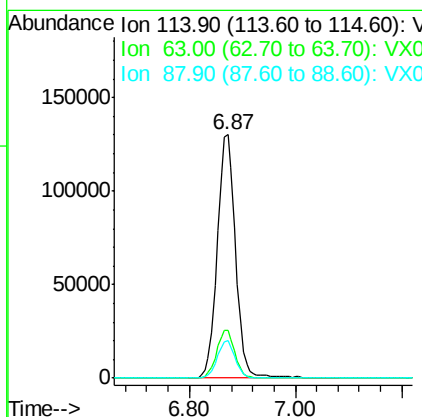
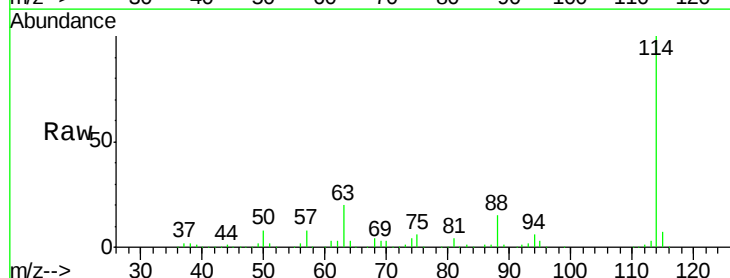
RT: 6.87 min Scan# 1031

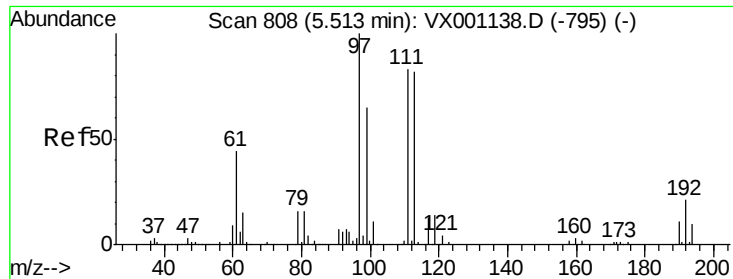
Delta R.T. 0.01 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	312440		
63	19.8	0.0	40.4	
88	15.3	0.0	31.8	





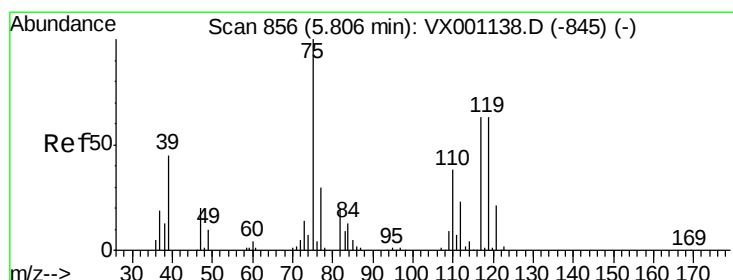
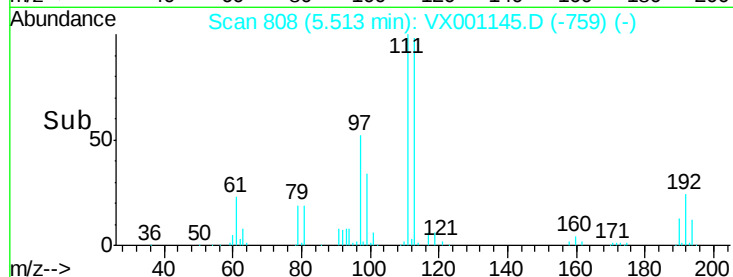
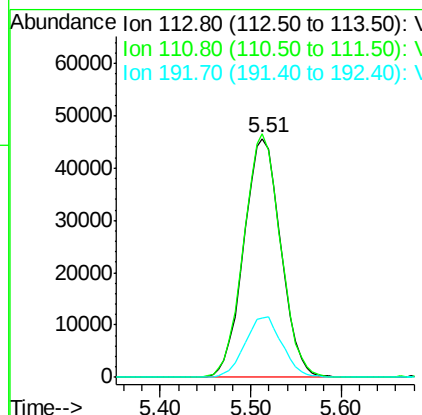
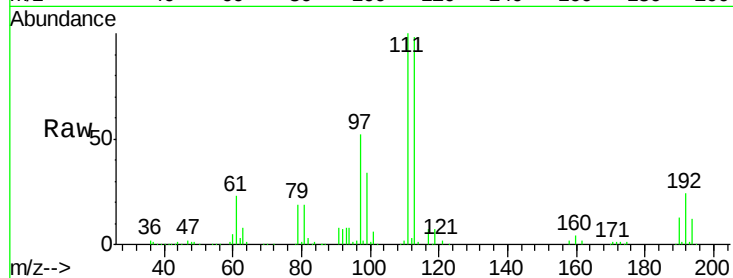
#35
 Dibromofluoromethane
 Concen: 49.986 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129266		
111	101.1	82.2	123.4	
192	25.3	20.6	30.8	

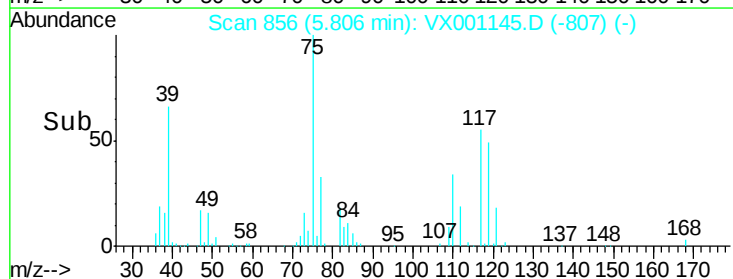
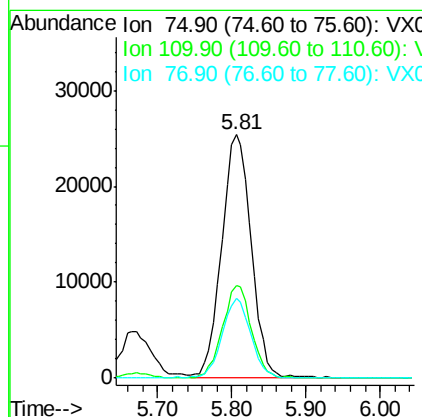
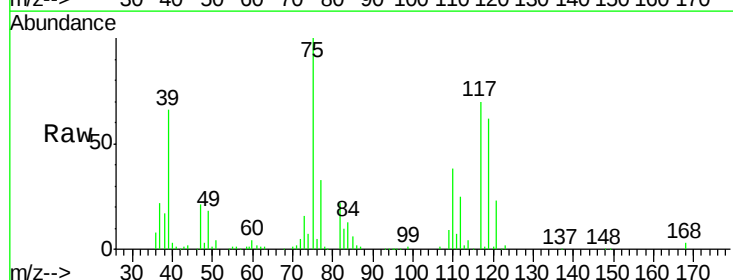
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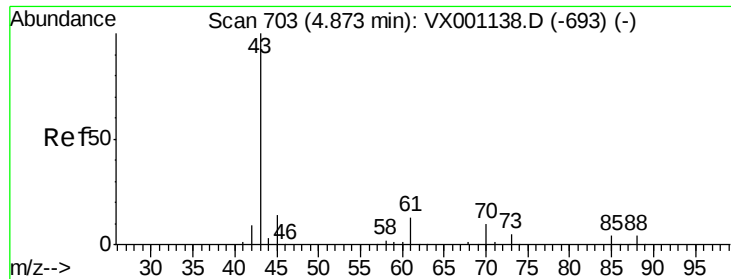
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#36
 1,1-Dichloropropene
 Concen: 20.254 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69735		
110	37.3	19.0	57.0	
77	31.3	24.8	37.2	





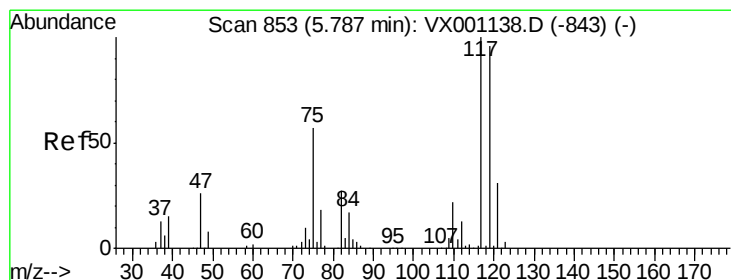
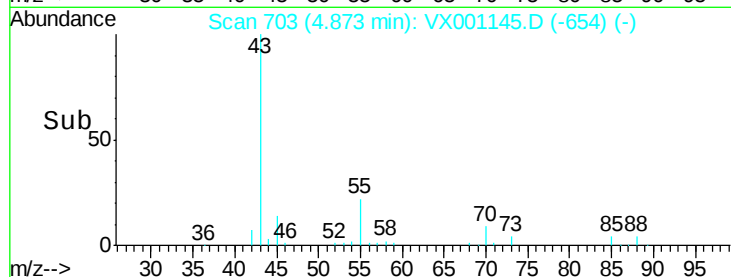
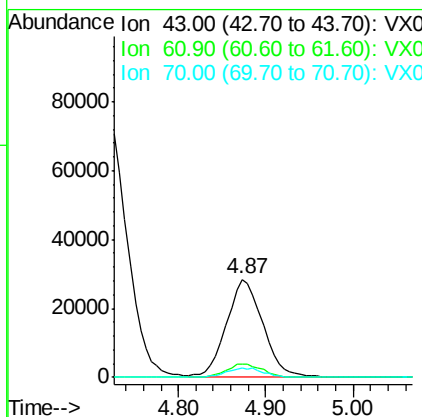
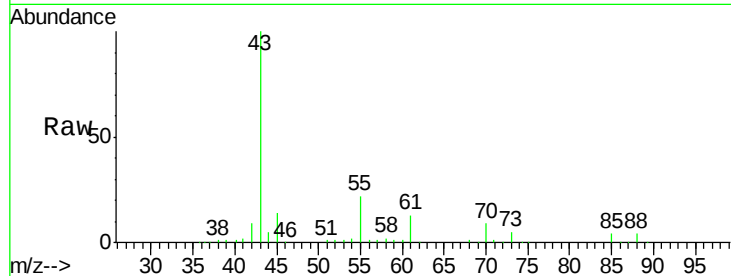
#37
Ethyl Acetate
Concen: 19.765 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	9.7	8.2	12.2

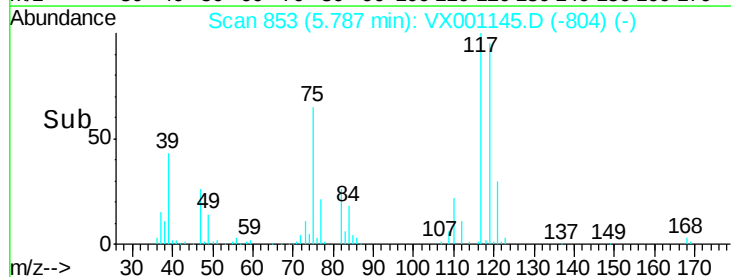
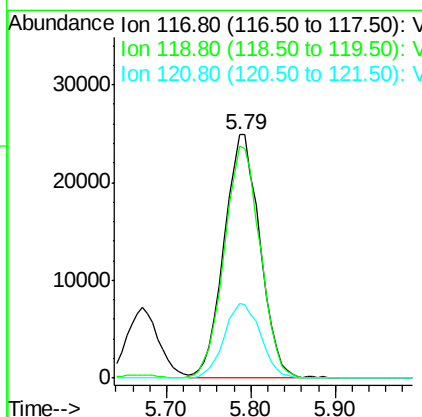
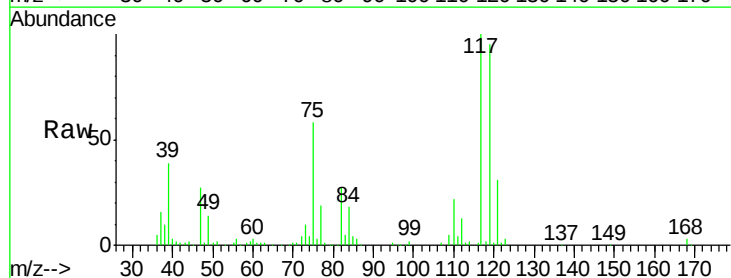
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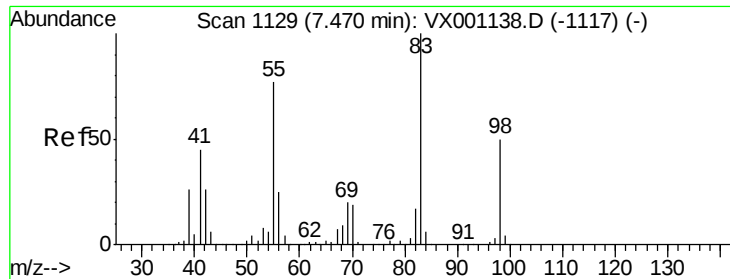
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#38
Carbon Tetrachloride
Concen: 20.469 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.5	114.7
121	30.8	24.6	37.0





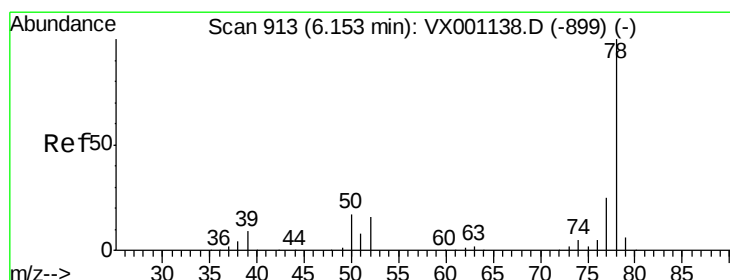
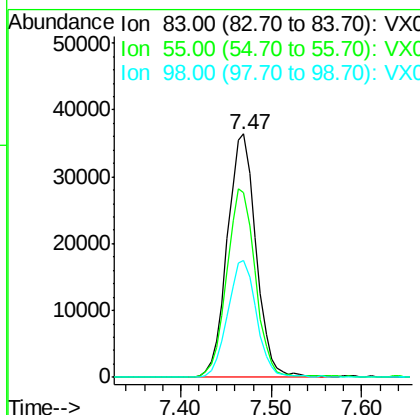
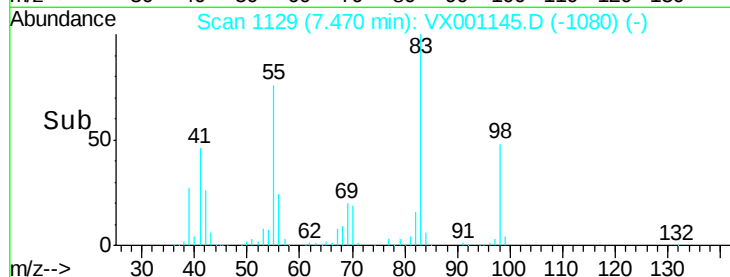
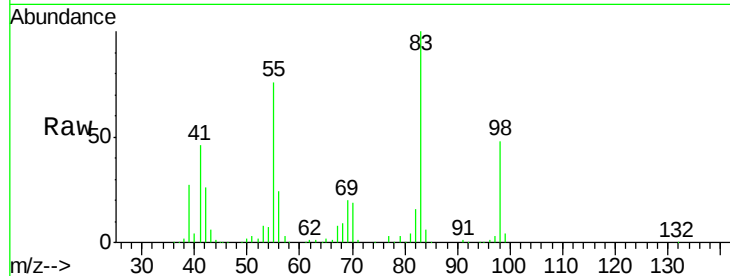
#39
Methvlcvclohexane
Concen: 21.061 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.8	92.6
98	48.0	40.0	60.0

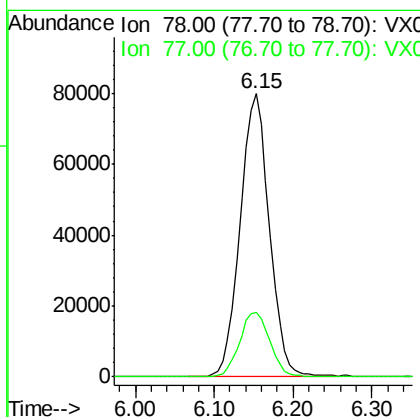
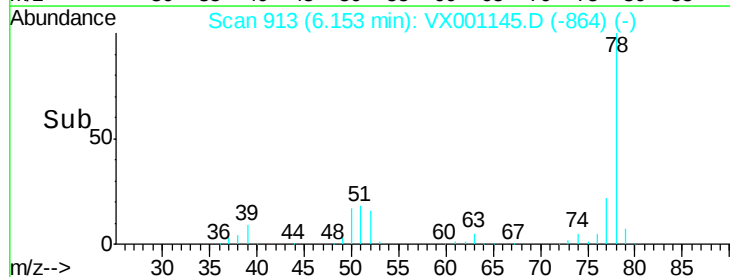
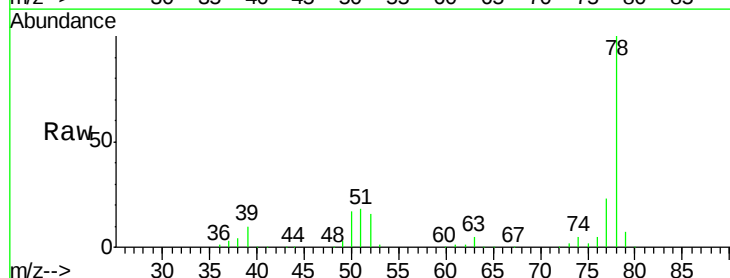
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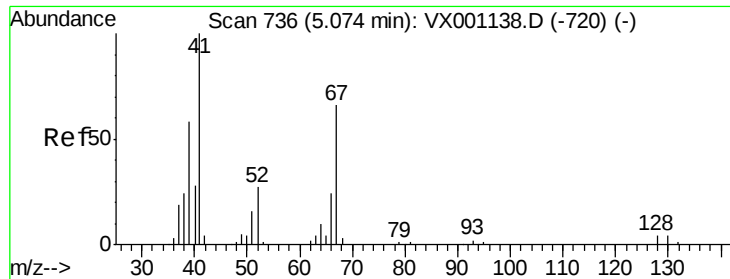
MMDadoda
4/30/2018 6:03:28 PM



#40
Benzene
Concen: 20.634 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.7	29.5





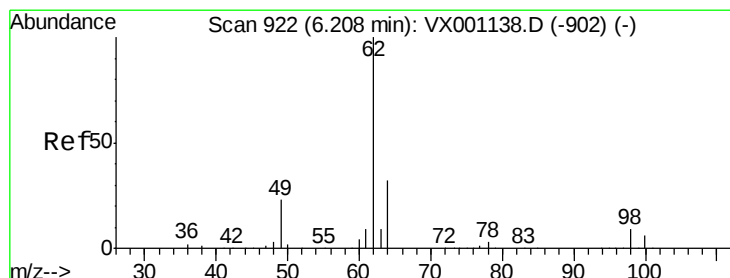
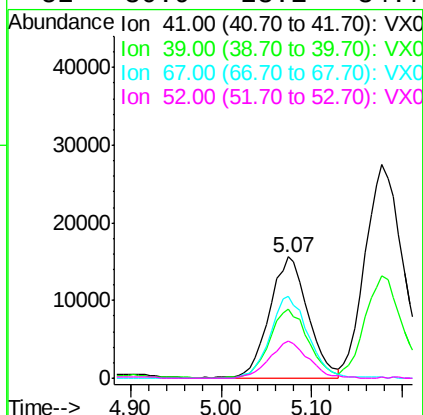
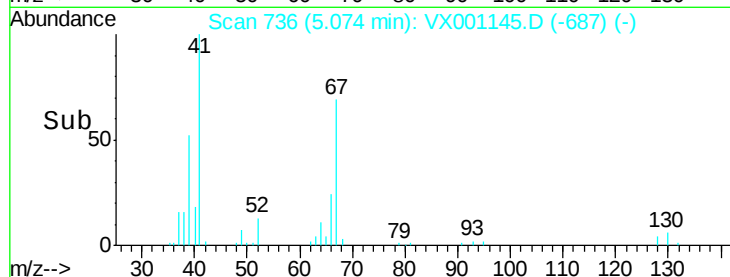
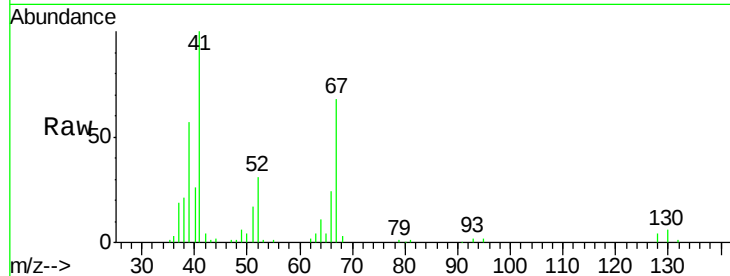
#41
Methacrylonitrile
Concen: 19.655 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		45536		
39	58.3	45.9	68.9		
67	67.3	53.2	79.8		
52	30.9	23.1	34.7		

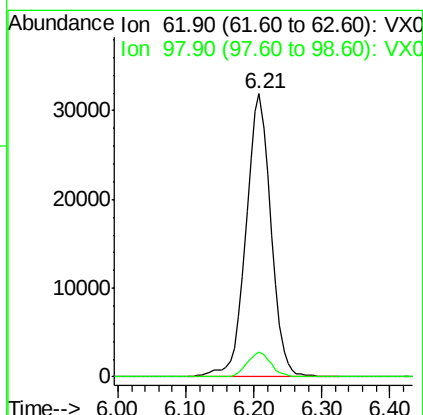
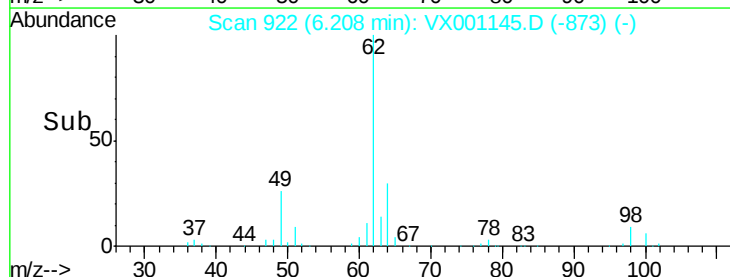
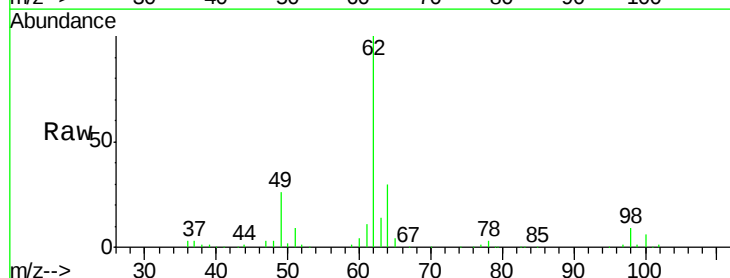
Manual Integrations
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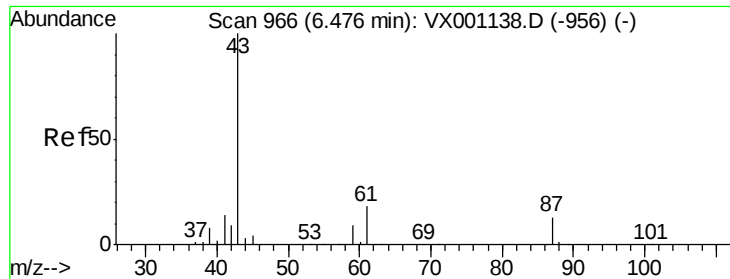
MMDadoda
4/30/2018 6:03:28 PM



#42
1,2-Dichloroethane
Concen: 20.331 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		81598		
98	8.4	0.0	17.0		





#43

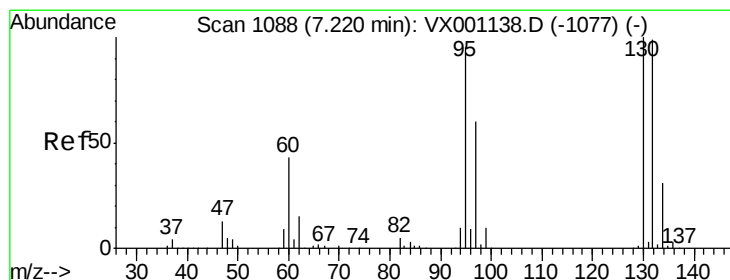
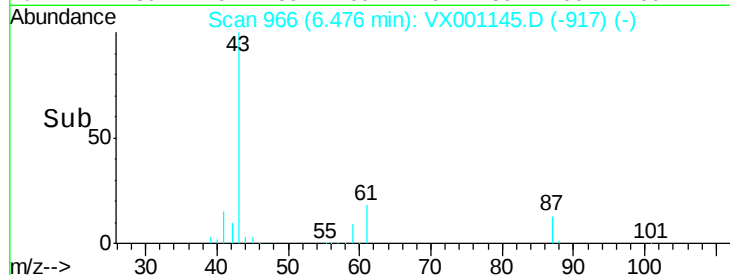
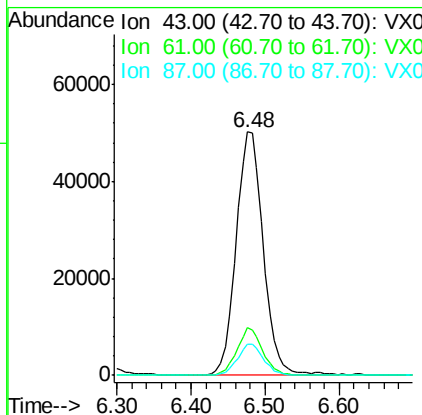
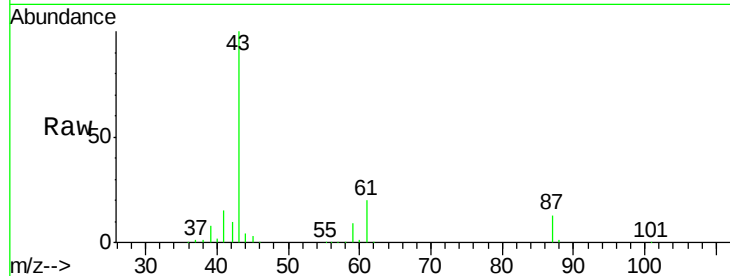
Isopropyl Acetate
 Concen: 19.777 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.0	22.6
87	12.5	10.3	15.5

Manual Integrations
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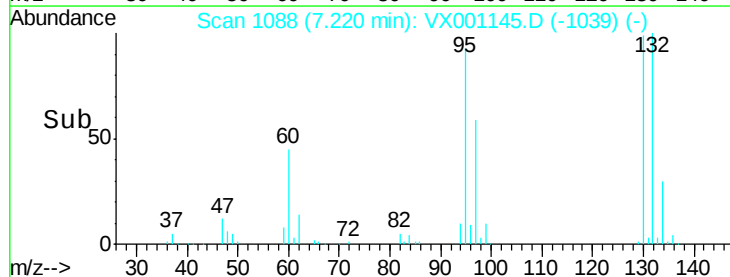
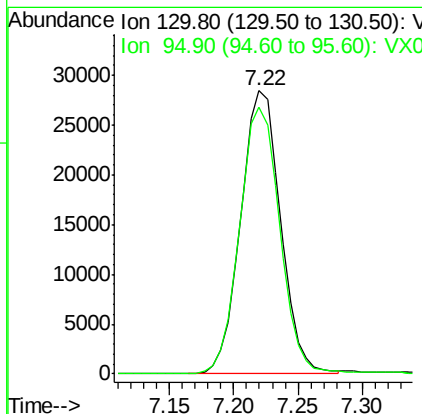
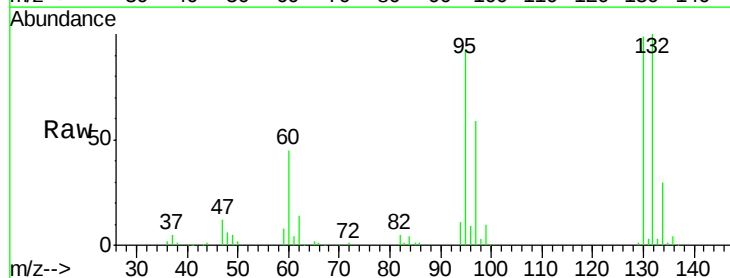
MMDadoda
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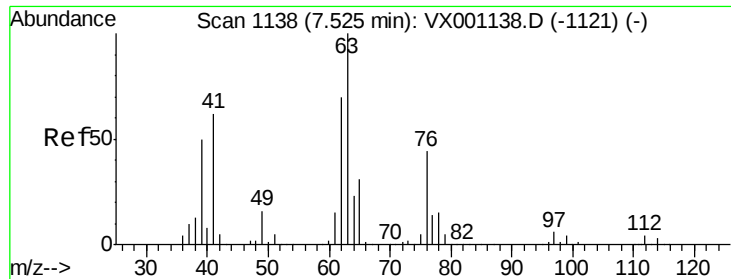


#44

Trichloroethene
 Concen: 20.535 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	189.6





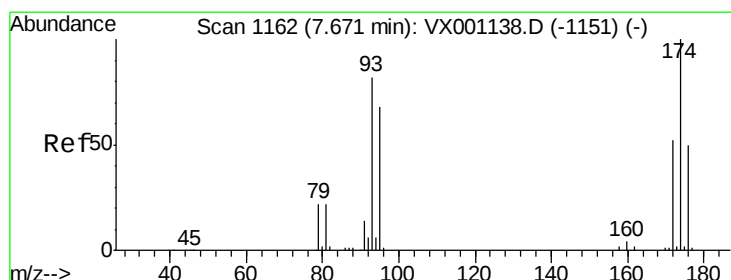
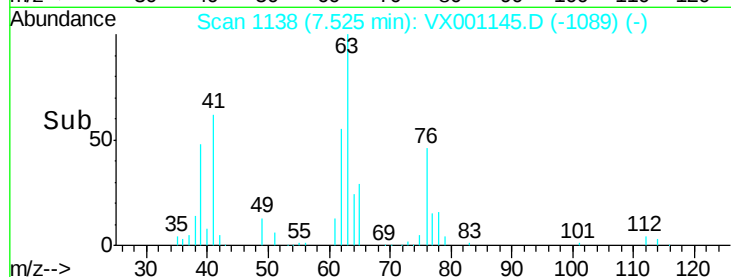
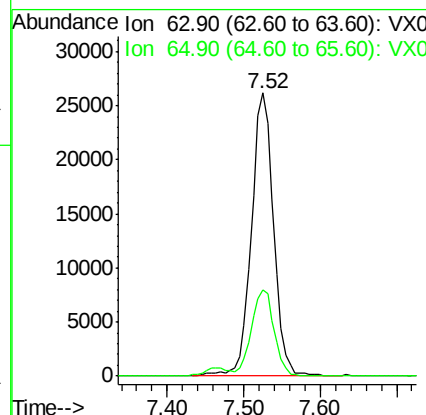
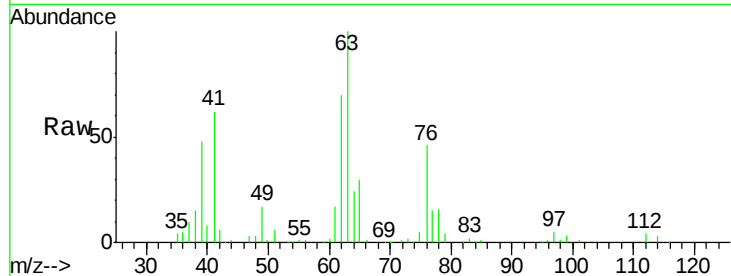
#45
 1,2-Dichloropropane
 Concen: 20.185 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion: 63 Resp: 52877
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.9 37.3

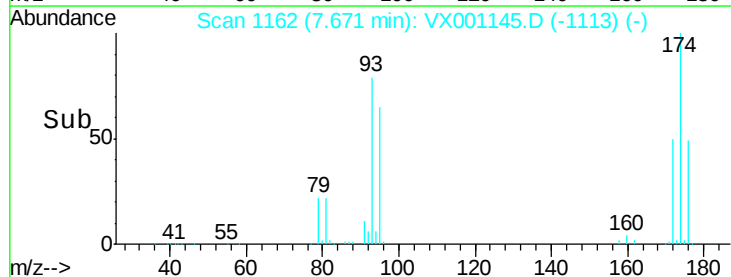
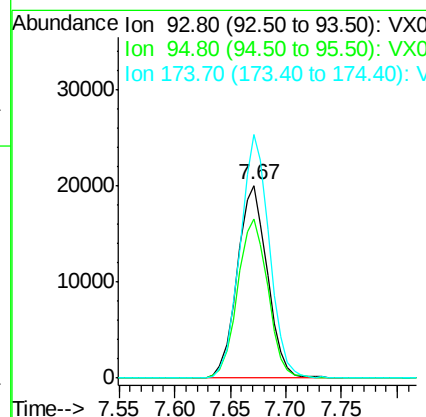
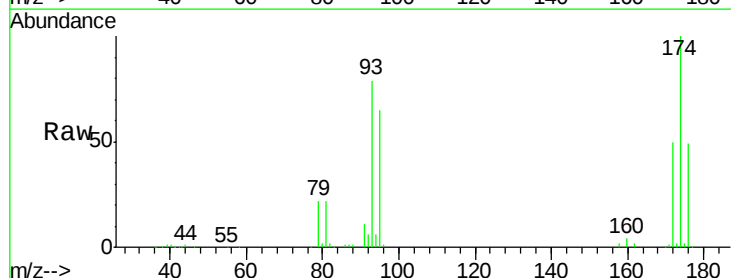
Manual Integrations
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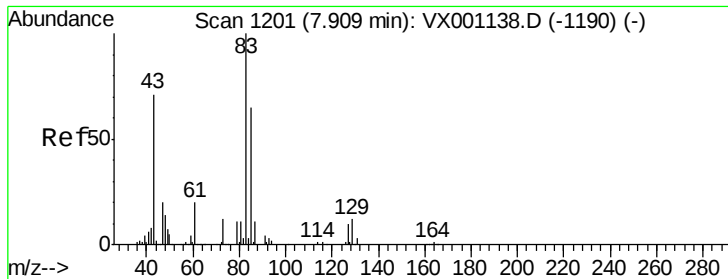
MMDadoda
 4/30/2018 6:03:28 PM



#46
 Dibromomethane
 Concen: 20.605 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion: 93 Resp: 37378
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.4 99.6
 174 123.4 99.6 149.4





#47

Bromodichloromethane

Concen: 19.916 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

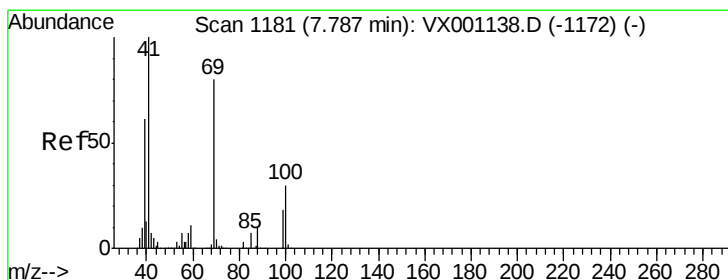
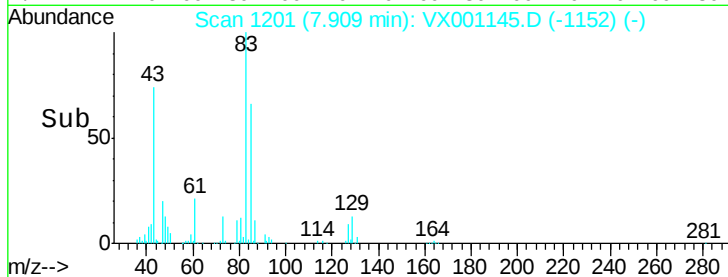
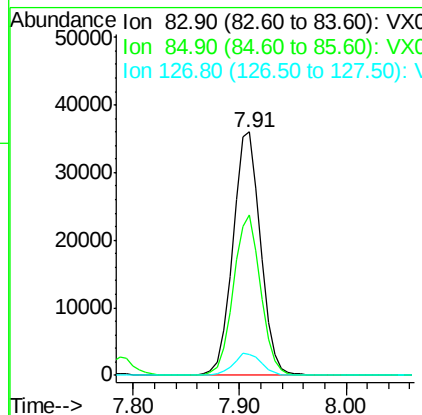
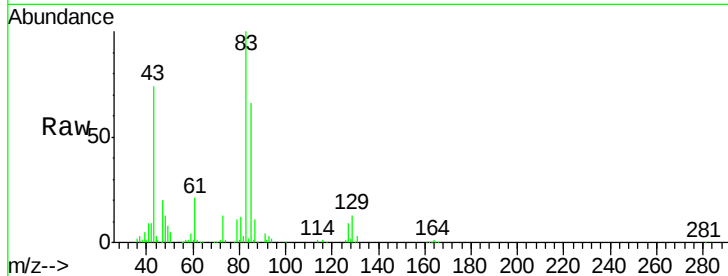
ClientSampleId :

VX0426WBS02

Tot Ion:	83	Resp:	65640
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.9	77.9
127	8.8	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.515 ug/l

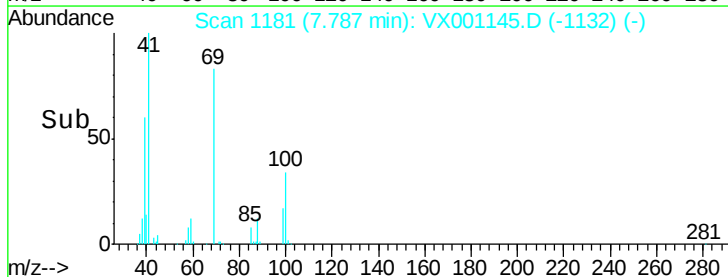
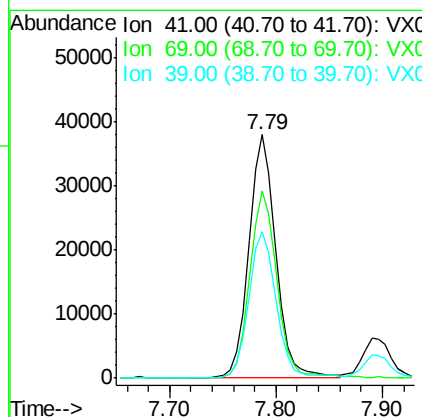
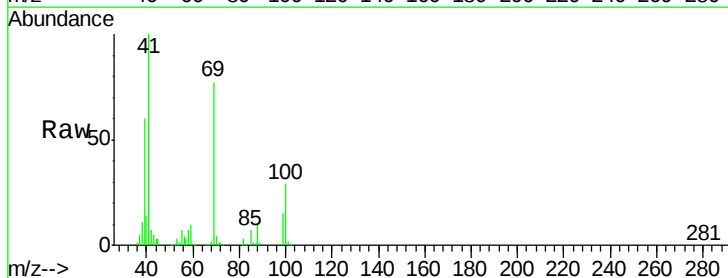
RT: 7.79 min Scan# 1181

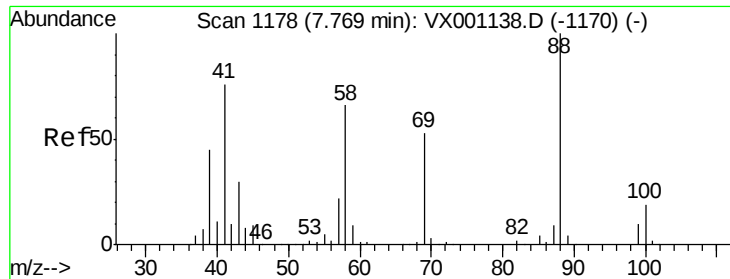
Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion:	41	Resp:	67171
Ion	Ratio	Lower	Upper
41	100		
69	78.7	62.4	93.6
39	62.5	48.7	73.1





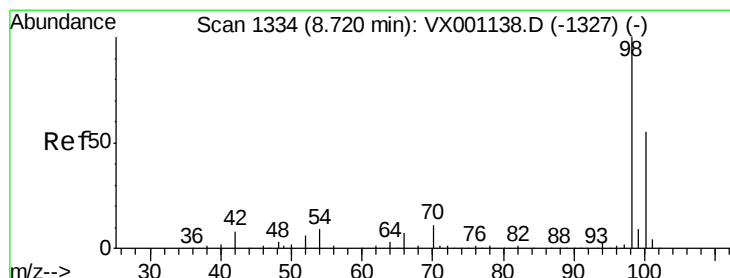
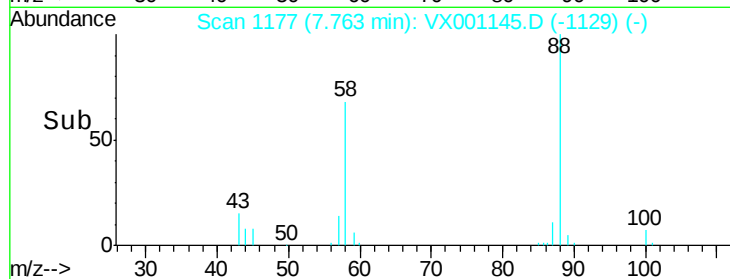
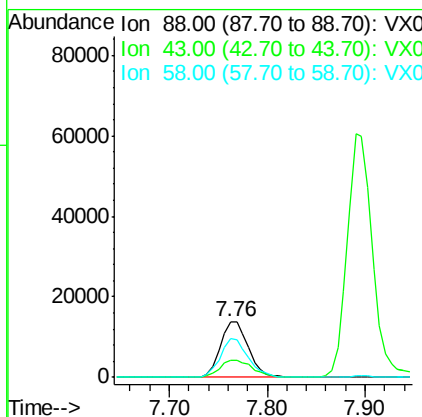
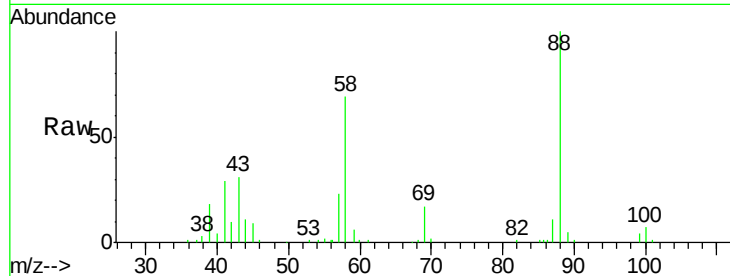
#49
 1,4-Dioxane
 Concen: 402.552 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion	88	Resp	27740
Ion	Ratio	Lower	Upper
88	100		
43	35.7	27.3	40.9
58	69.3	54.2	81.4

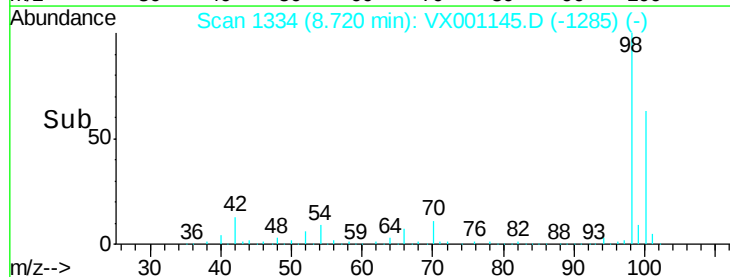
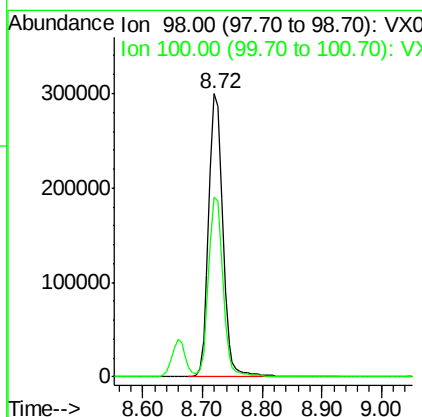
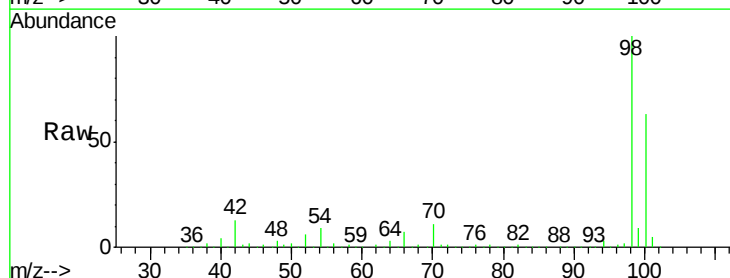
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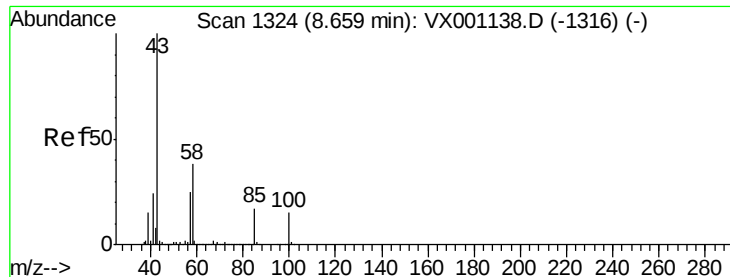
MMDadoda
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#50
 Toluene-d8
 Concen: 50.183 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion	98	Resp	489753
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 101.263 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion: 43 Resp: 430723

Ion Ratio Lower Upper

43 100

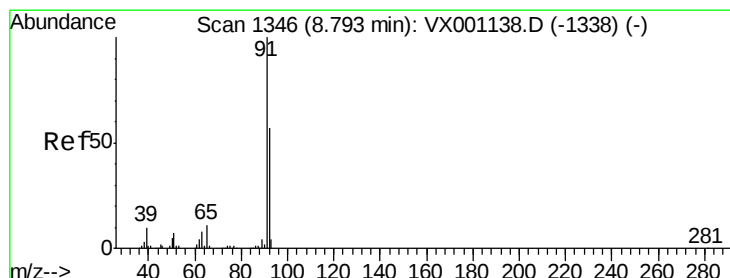
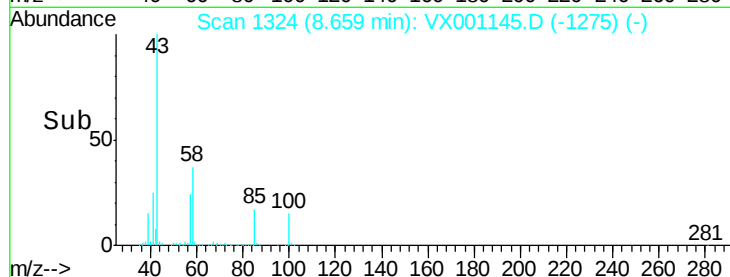
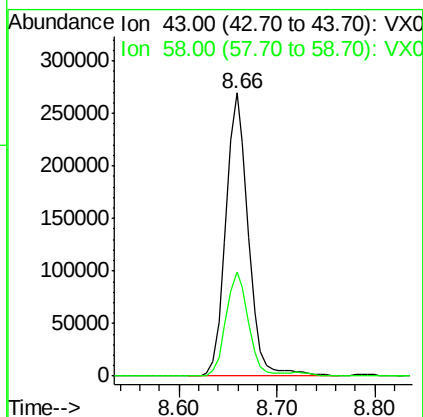
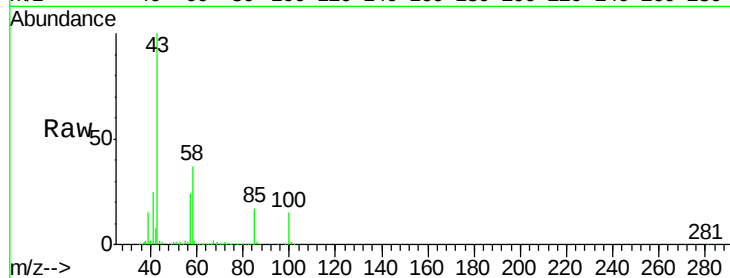
58 36.3 30.2 45.2

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#52

Toluene

Concen: 20.870 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001145.D

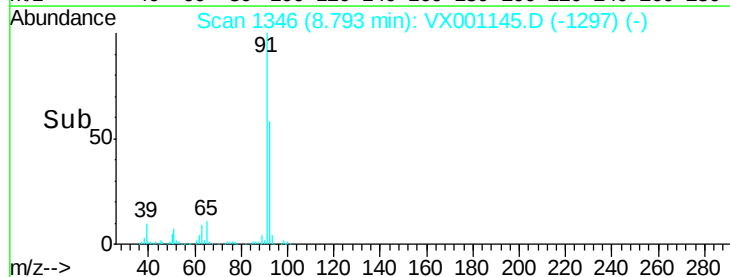
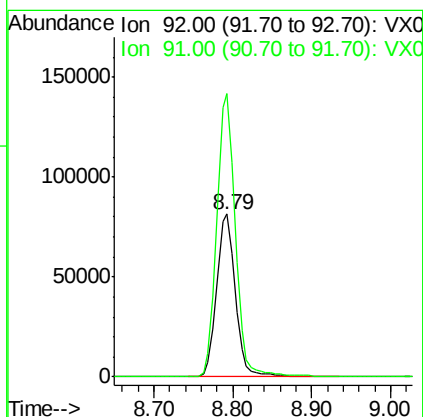
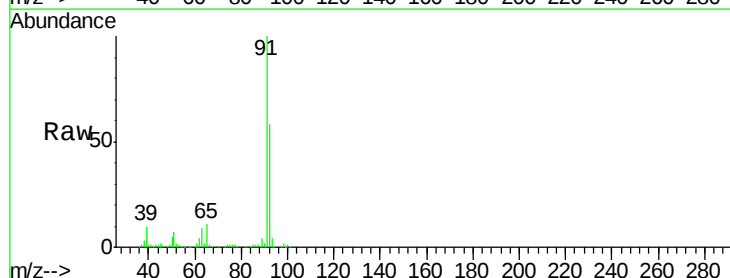
Acq: 26 Apr 2018 23:28

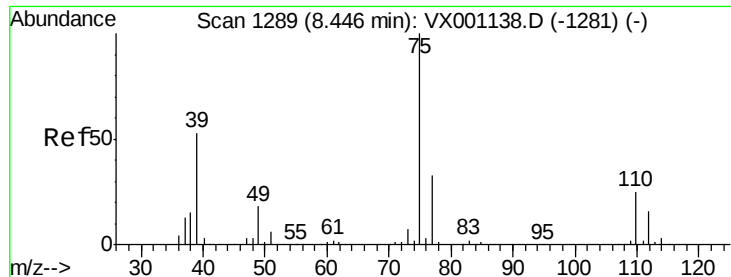
Tgt Ion: 92 Resp: 135927

Ion Ratio Lower Upper

92 100

91 172.6 139.8 209.6





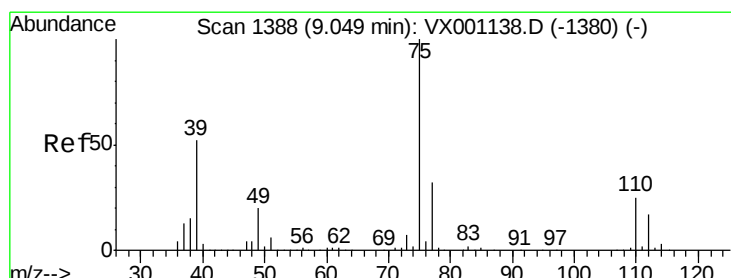
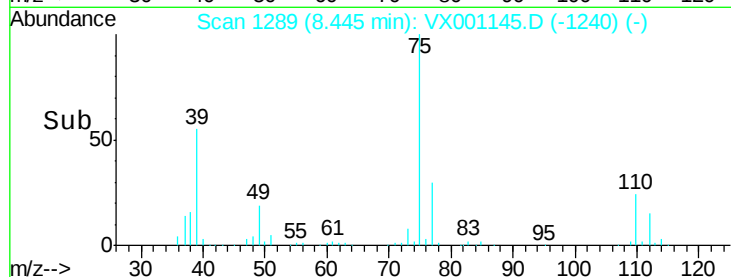
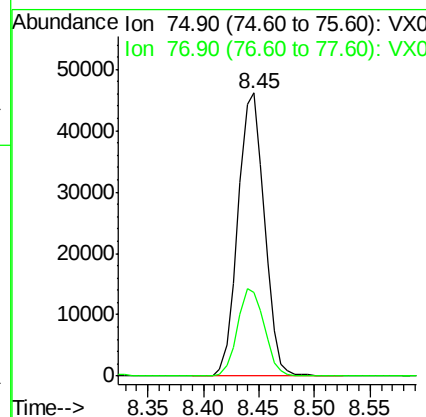
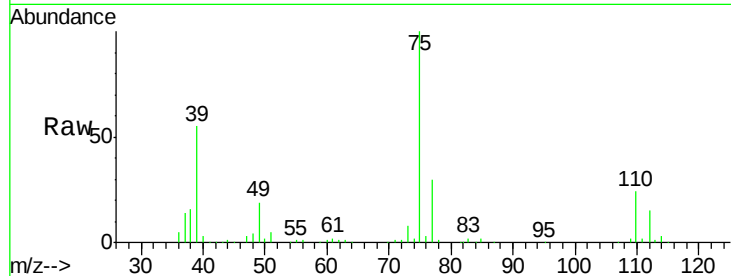
#53
t-1,3-Dichloropropene
Concen: 19.872 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion: 75 Resp: 76140
Ion Ratio Lower Upper
75 100
77 29.7 26.2 39.4

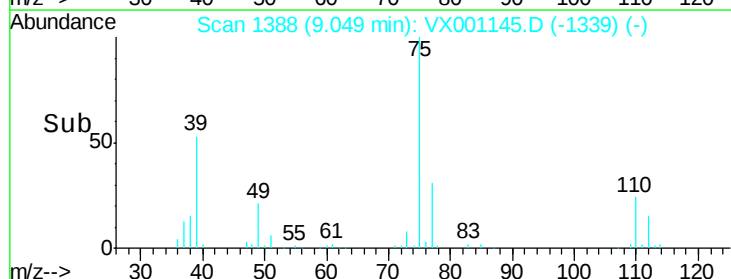
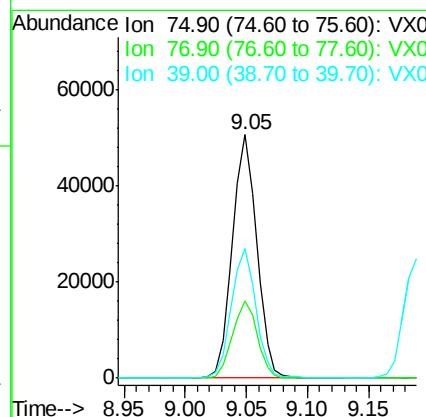
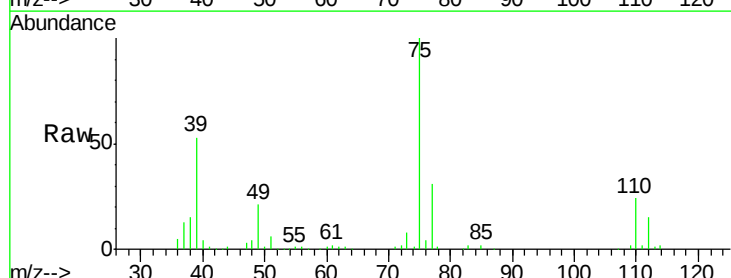
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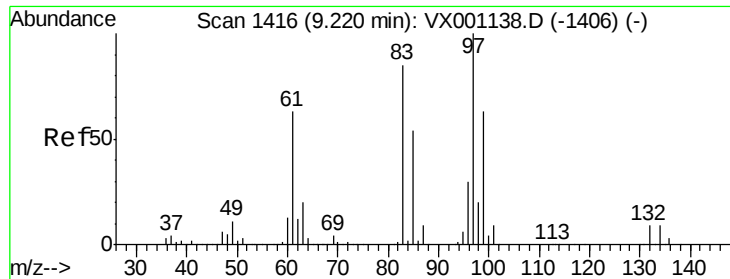
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#54
cis-1,3-Dichloropropene
Concen: 18.932 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion: 75 Resp: 69954
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2
39 53.0 42.0 63.0





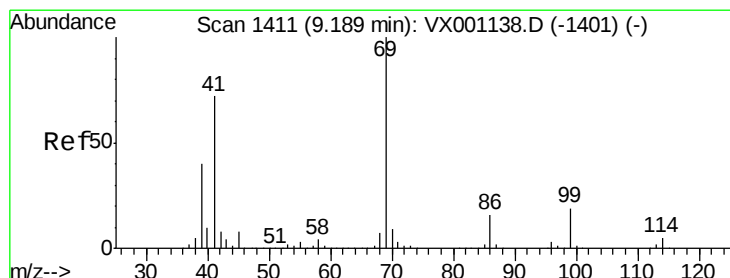
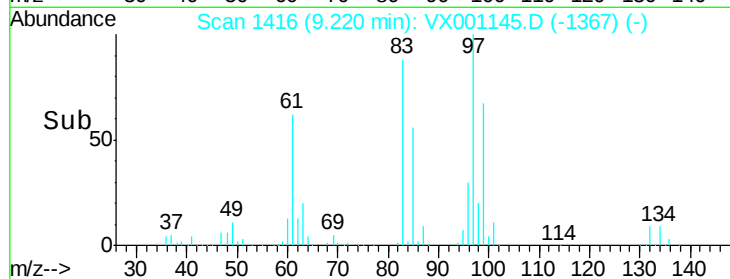
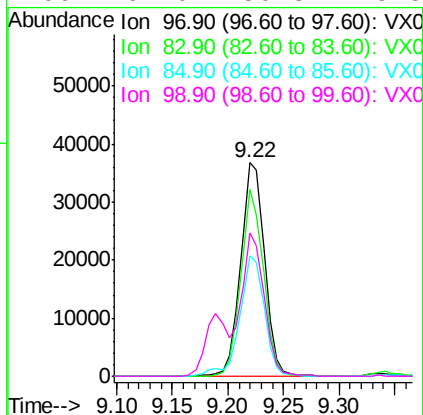
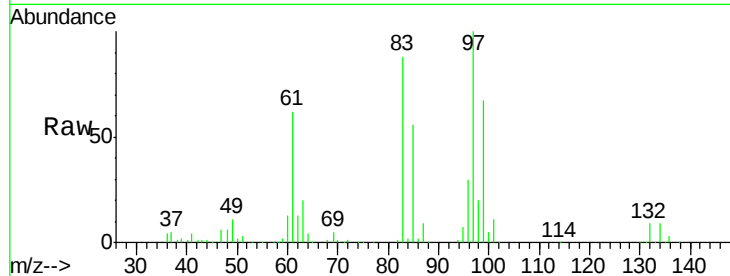
#55
 1,1,2-Trichloroethane
 Concen: 19.893 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion:	97	Resp:	54816
Ion	Ratio	Lower	Upper
97	100		
83	87.8	68.0	102.0
85	56.3	42.9	64.3
99	67.0	50.3	75.5

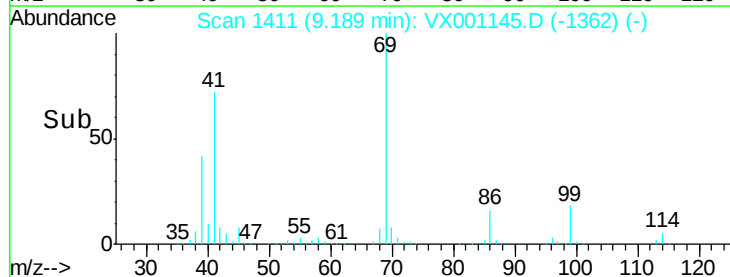
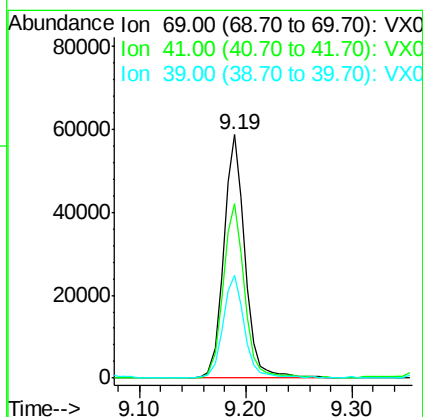
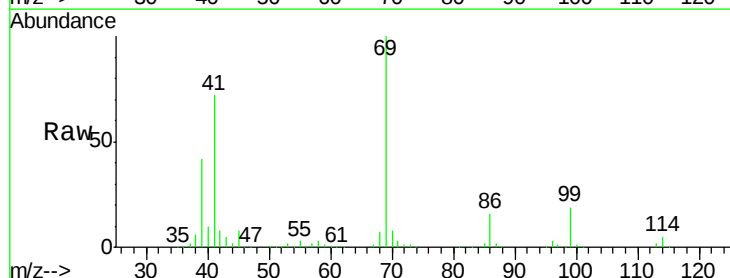
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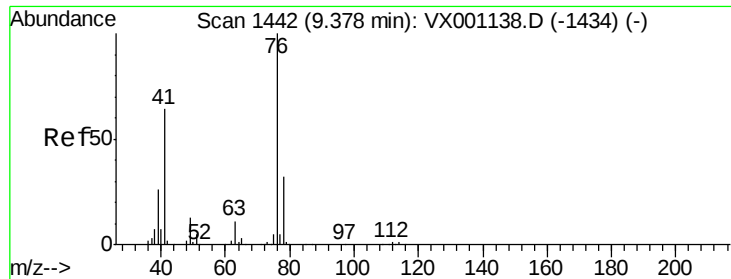
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#56
 Ethyl methacrylate
 Concen: 20.059 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion:	69	Resp:	81896
Ion	Ratio	Lower	Upper
69	100		
41	72.1	57.7	86.5
39	42.1	33.3	49.9





#57

1,3-Dichloropropane

Concen: 20.174 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion: 76 Resp: 89930

Ion Ratio Lower Upper

76 100

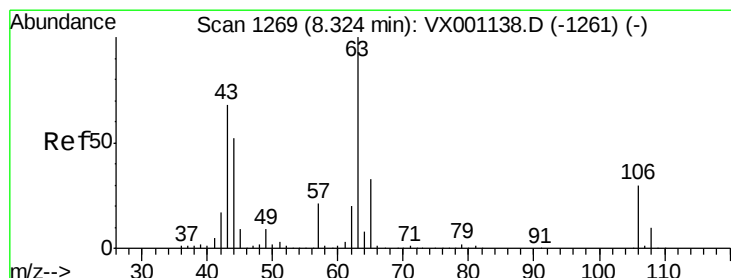
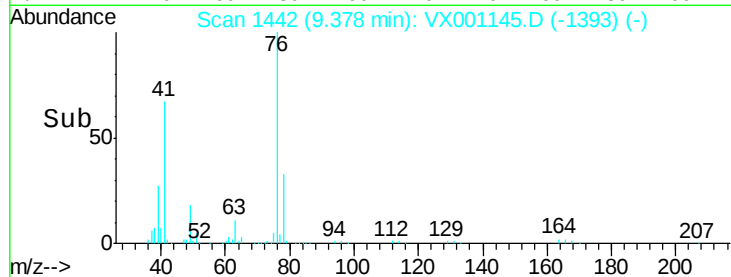
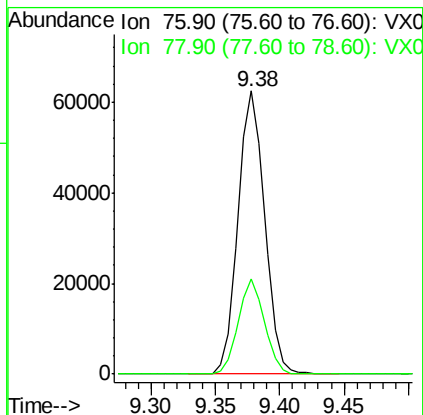
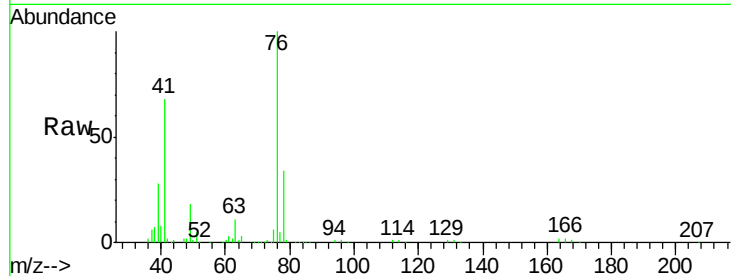
78 32.9 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.119 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX001145.D

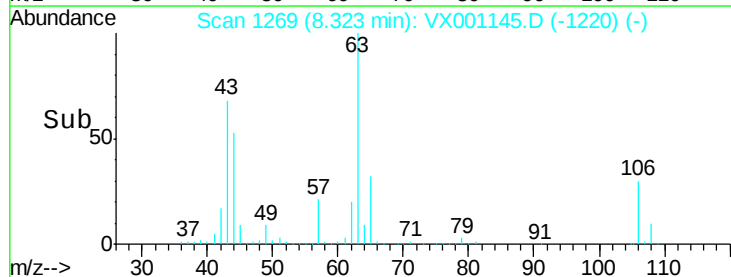
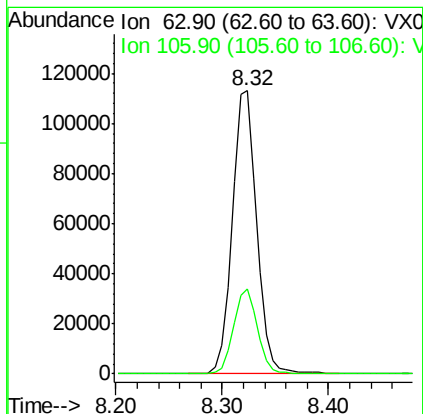
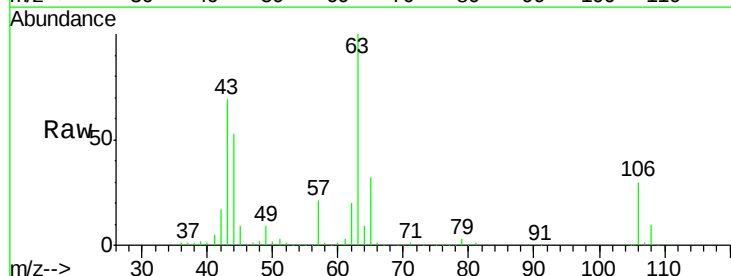
Acq: 26 Apr 2018 23:28

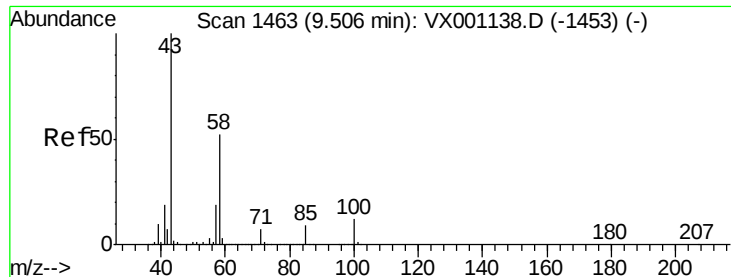
Tgt Ion: 63 Resp: 181662

Ion Ratio Lower Upper

63 100

106 29.7 23.7 35.5





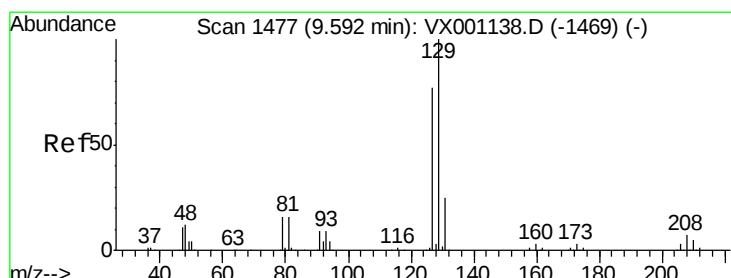
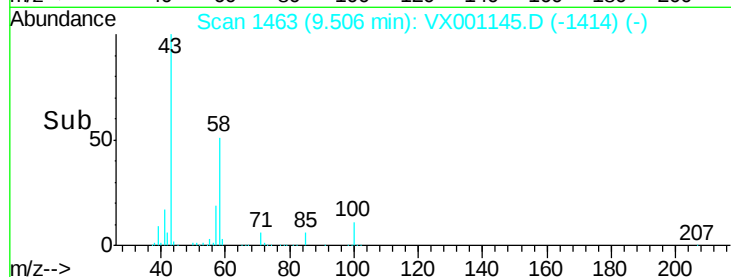
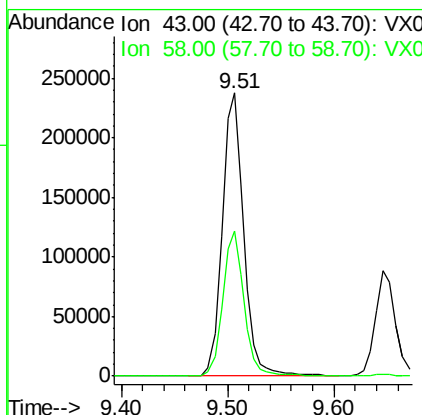
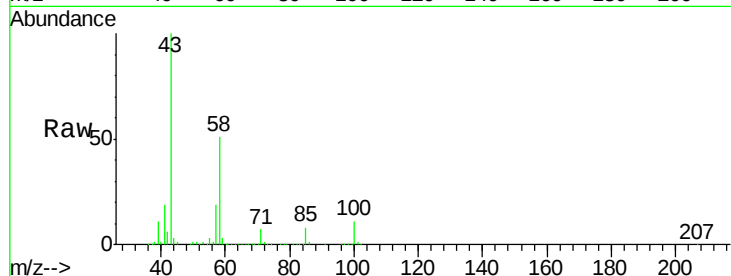
#59
2-Hexanone
Concen: 99.641 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion: 43 Resp: 332077
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.4

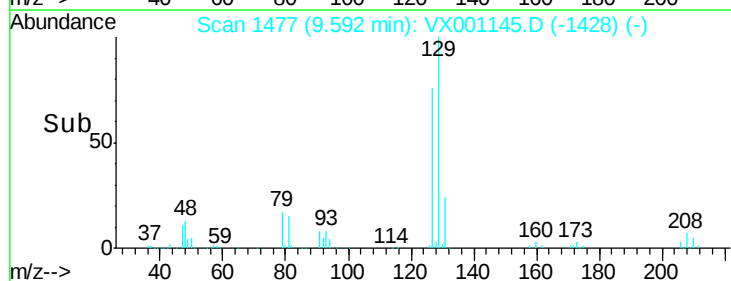
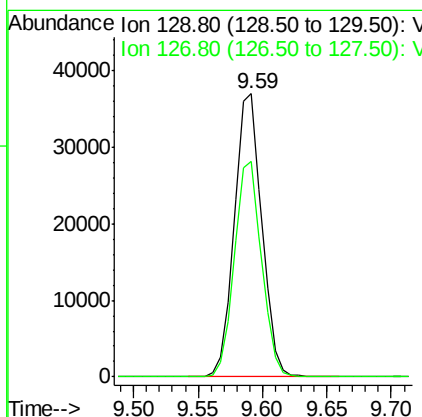
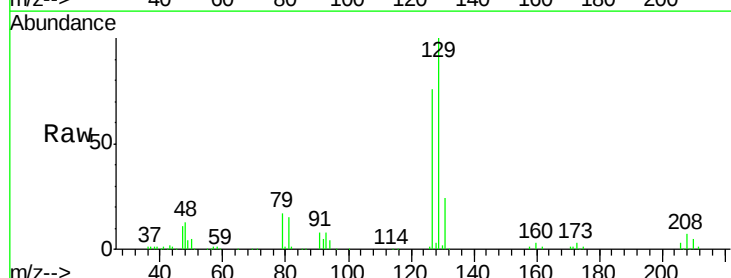
Manual Integrations
APPROVED

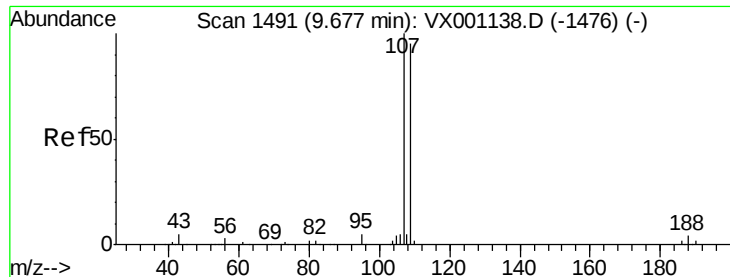
MMDadoda
4/30/2018 6:03:28 PM



#60
Dibromochloromethane
Concen: 19.259 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion: 129 Resp: 54894
Ion Ratio Lower Upper
129 100
127 75.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.488 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion:107 Resp: 59148

Ion Ratio Lower Upper

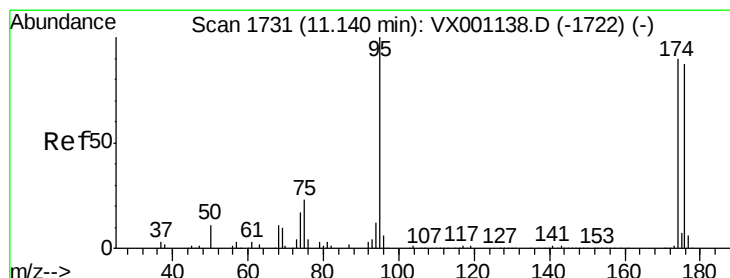
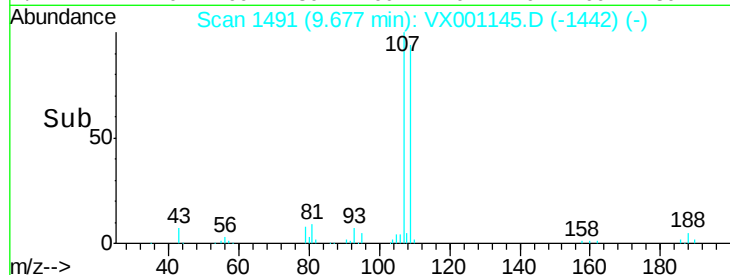
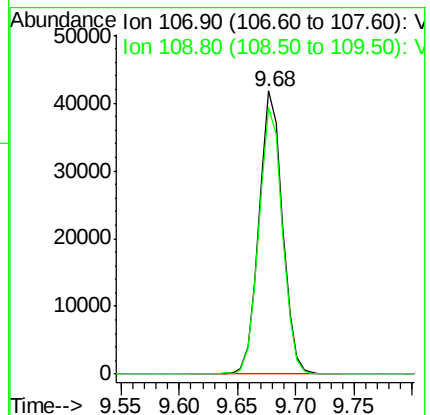
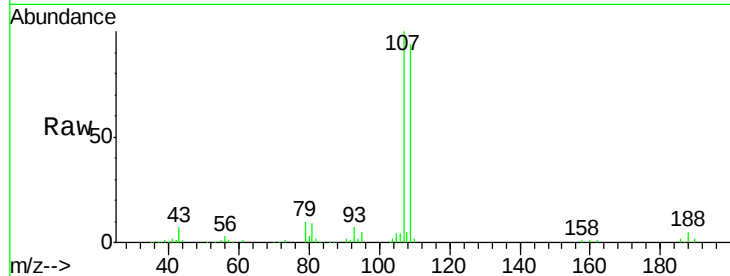
107 100

109 94.8 75.2 112.8

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 48.466 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

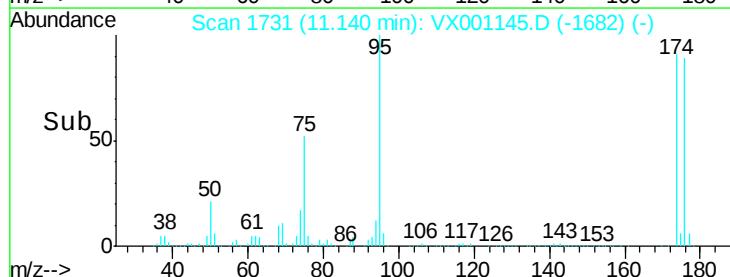
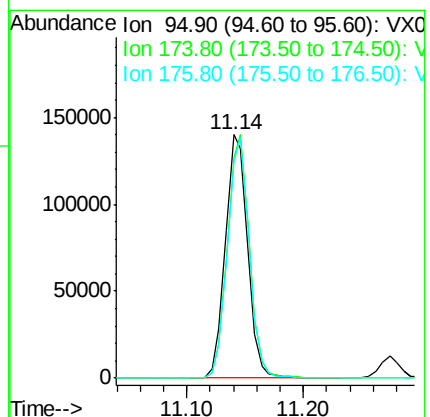
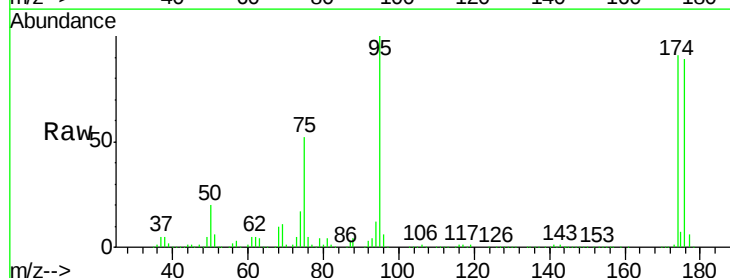
Tgt Ion: 95 Resp: 184778

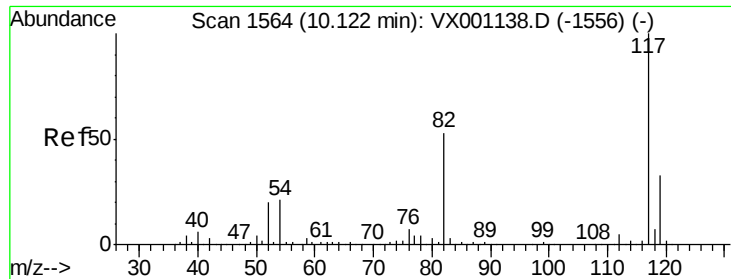
Ion Ratio Lower Upper

95 100

174 99.0 0.0 194.4

176 97.1 0.0 190.2





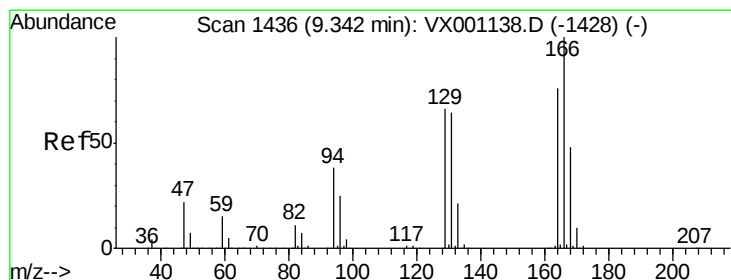
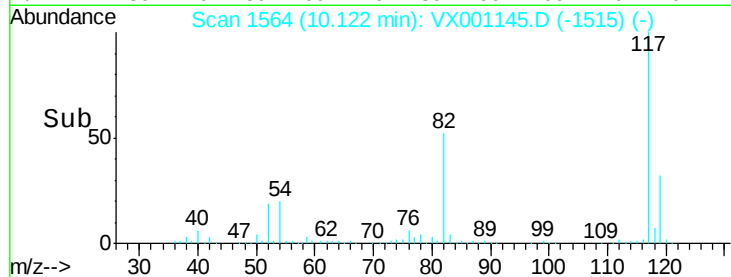
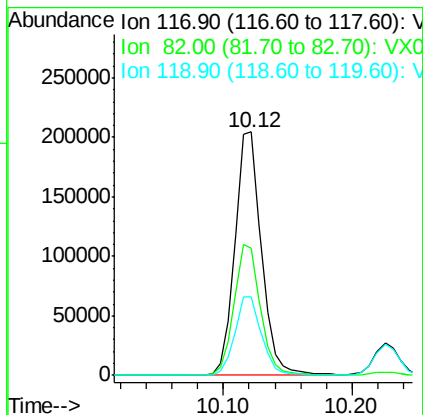
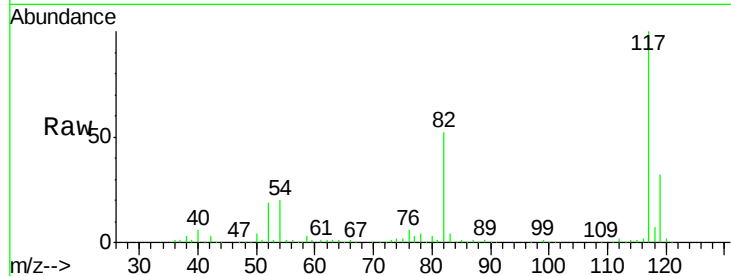
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.1	63.1
119	32.5	26.1	39.1

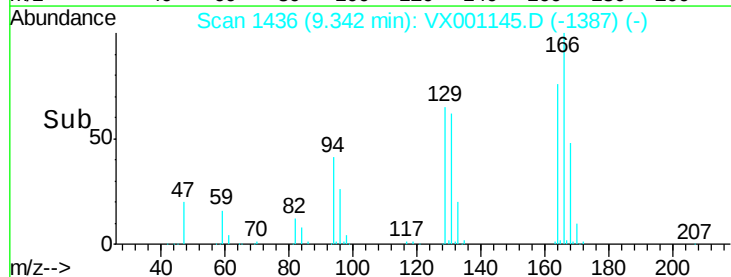
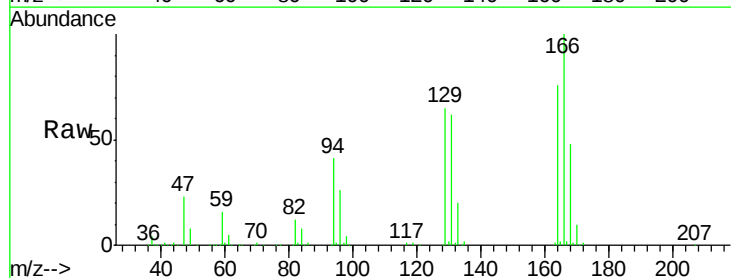
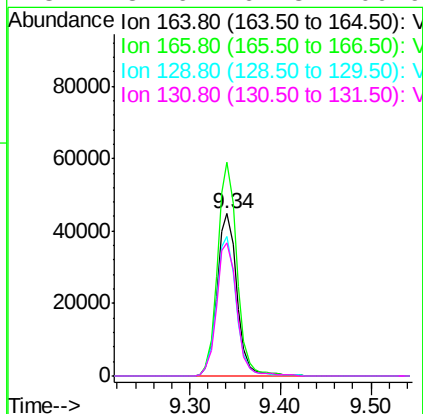
Manual Integrations
APPROVED

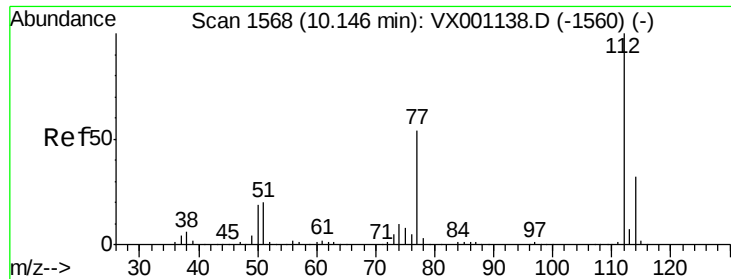
MMDadoda
4/30/2018 6:03:28 PM



#64
Tetrachloroethene
Concen: 21.983 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	105.0	157.6
129	85.9	69.4	104.2
131	81.6	67.3	100.9





#65

Chlorobenzene

Concen: 20.378 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion:112 Resp: 156895

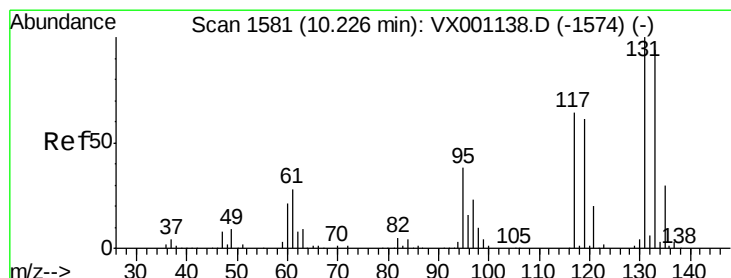
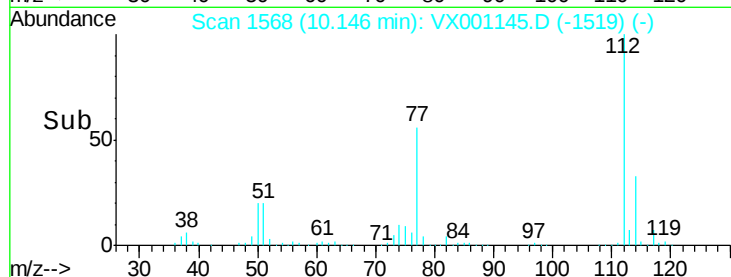
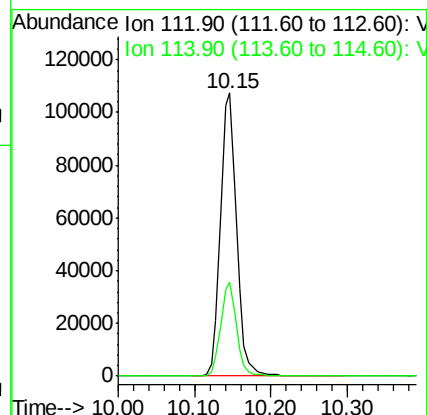
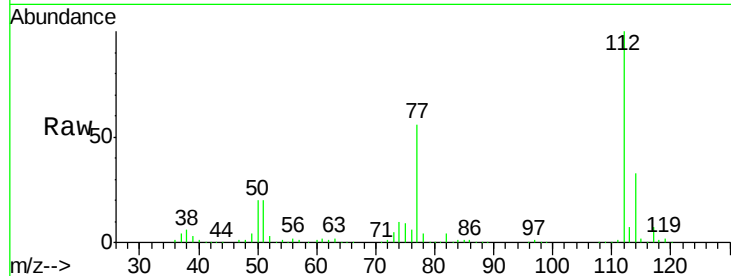
Ion Ratio Lower Upper

112 100

114 33.0 25.7 38.5

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.642 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

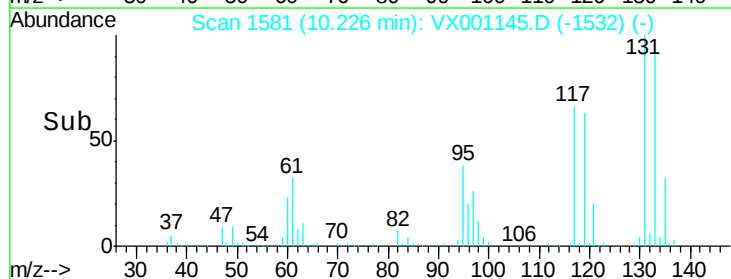
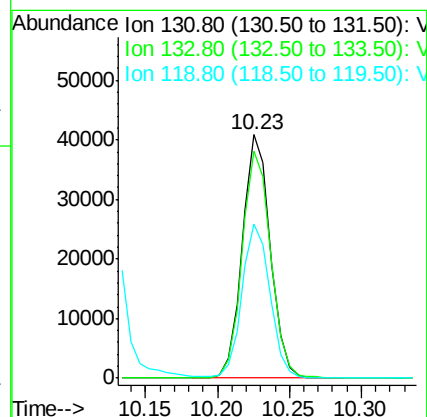
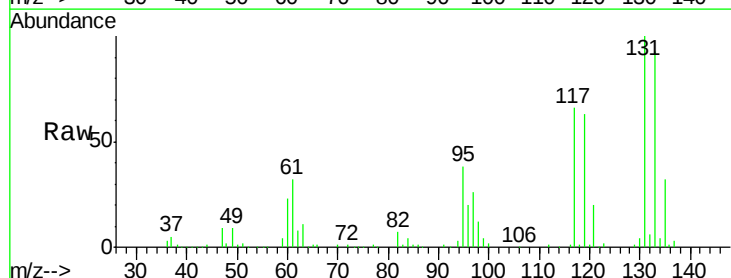
Tgt Ion:131 Resp: 54986

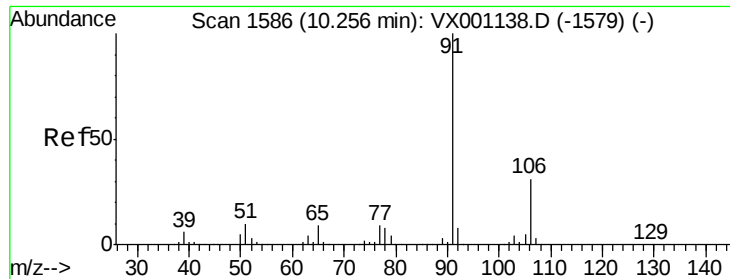
Ion Ratio Lower Upper

131 100

133 95.3 47.8 143.4

119 64.0 31.3 93.8





#67

Ethyl Benzene

Concen: 21.015 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion: 91 Resp: 262880

Ion Ratio Lower Upper

91 100

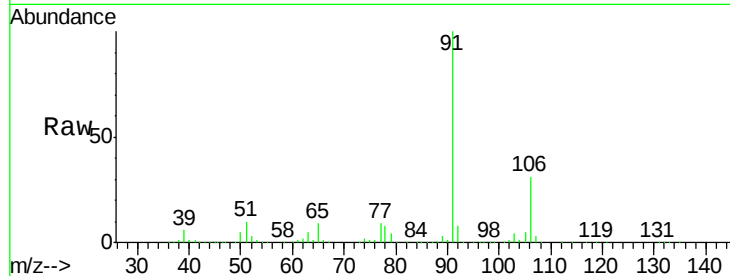
106 31.0 24.8 37.2

Manual Integrations

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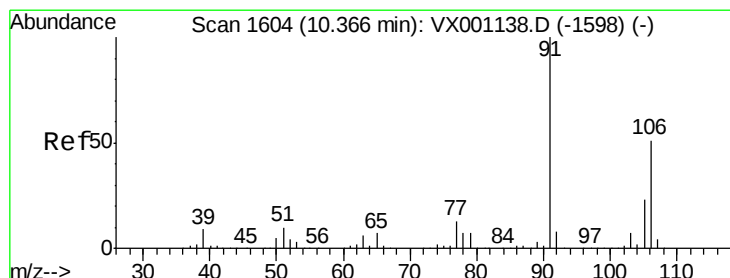
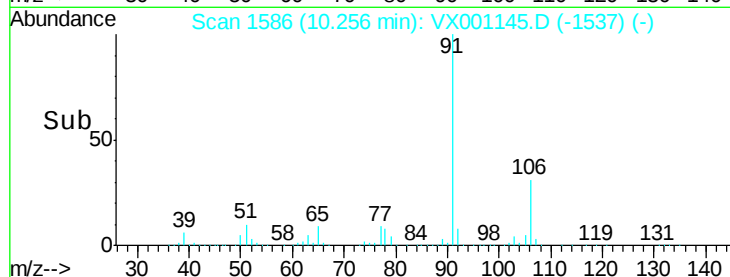
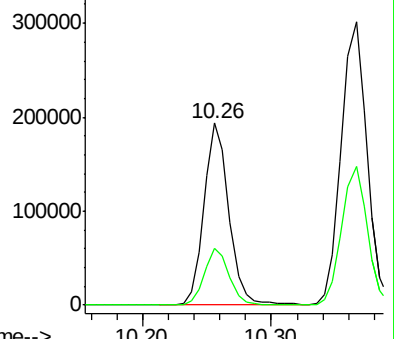
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.573 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001145.D

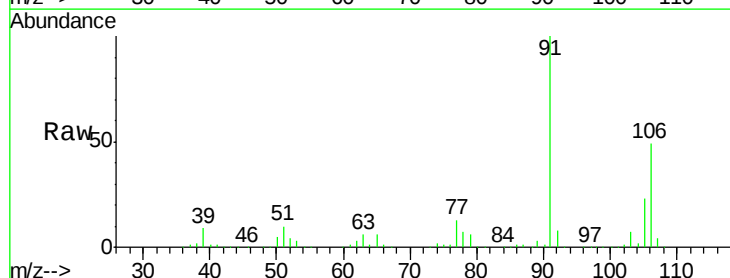
Acq: 26 Apr 2018 23:28

Tgt Ion:106 Resp: 205594

Ion Ratio Lower Upper

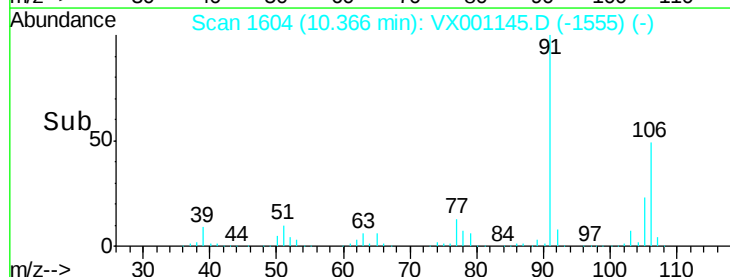
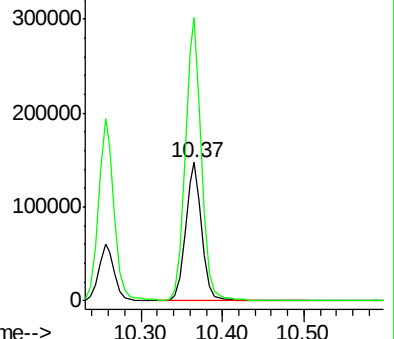
106 100

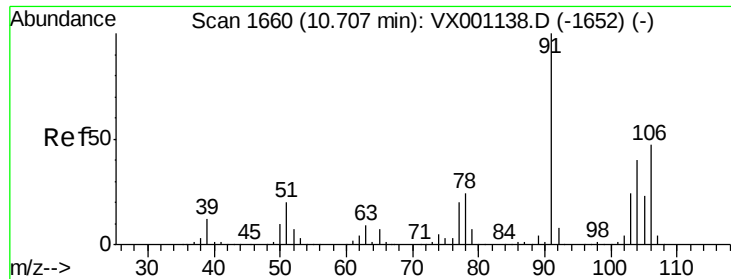
91 204.6 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





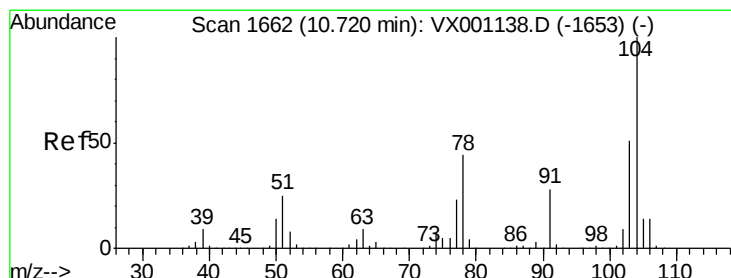
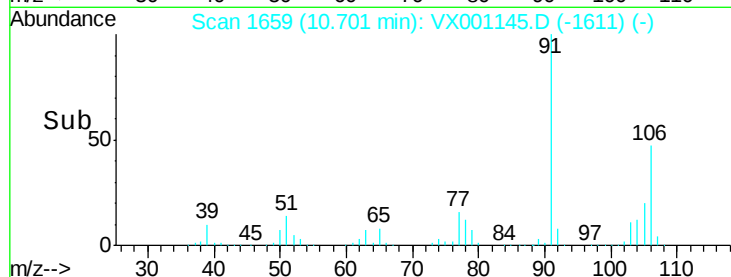
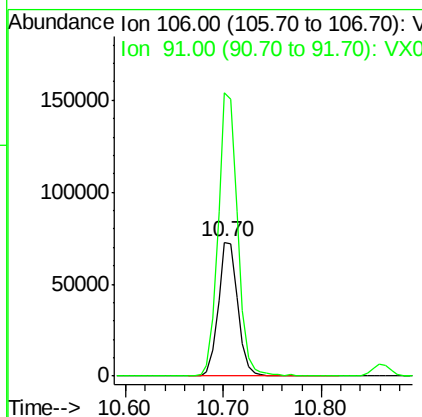
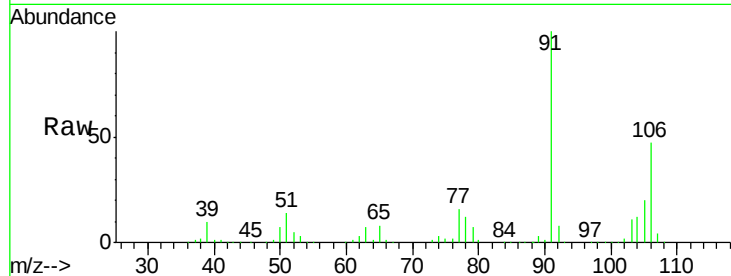
#69
o-Xylene
Concen: 20.929 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.3	106.2	318.5		

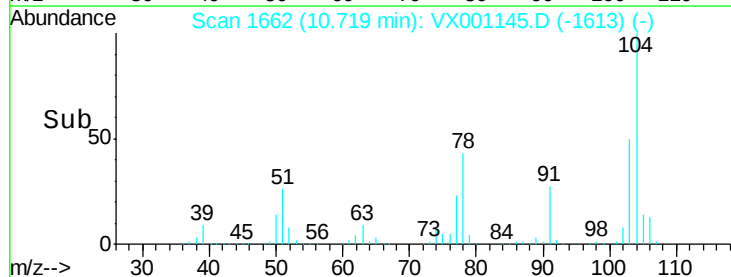
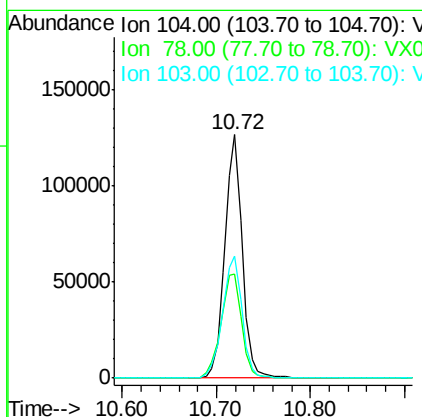
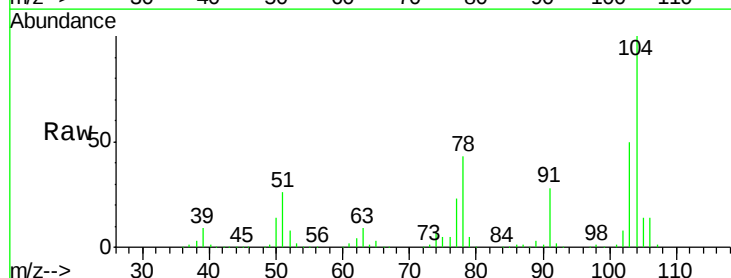
Manual Integrations
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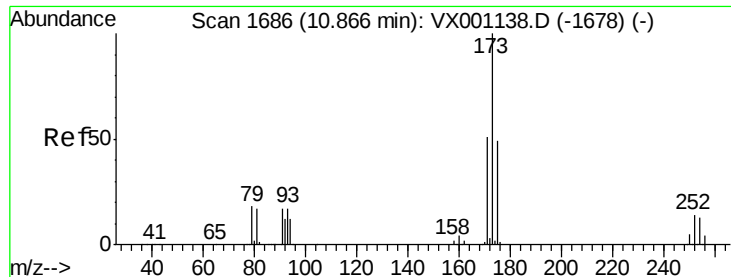
MMDadoda
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#70
Styrene
Concen: 20.429 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.0	40.3	60.5		
103	56.3	44.3	66.5		





#71

Bromoform

Concen: 19.049 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion:173 Resp: 43841

Ion Ratio Lower Upper

173 100

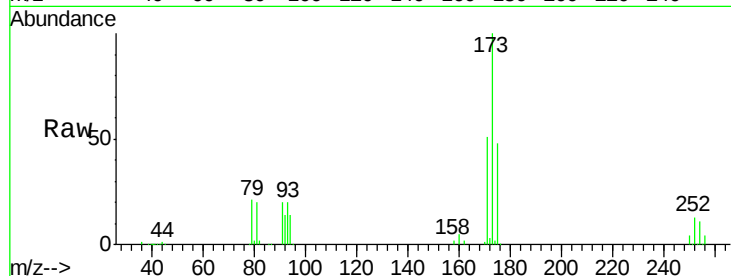
175 48.8 24.6 73.8

254 0.2 0.2 0.2

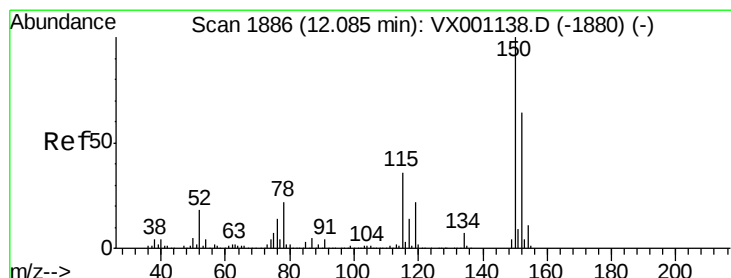
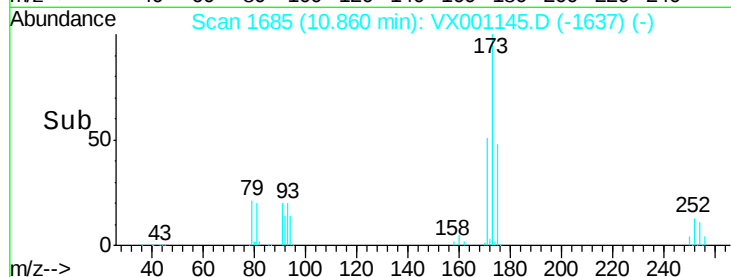
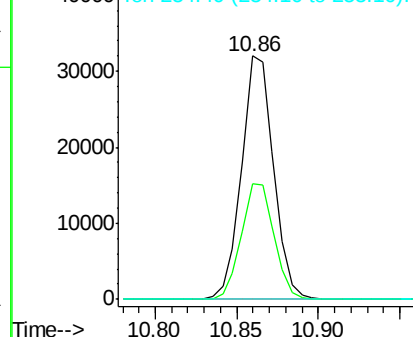
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

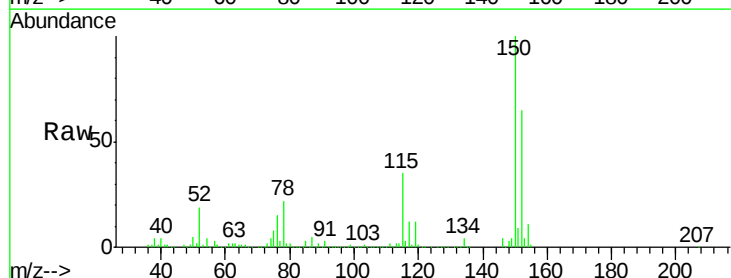
Tgt Ion:152 Resp: 195911

Ion Ratio Lower Upper

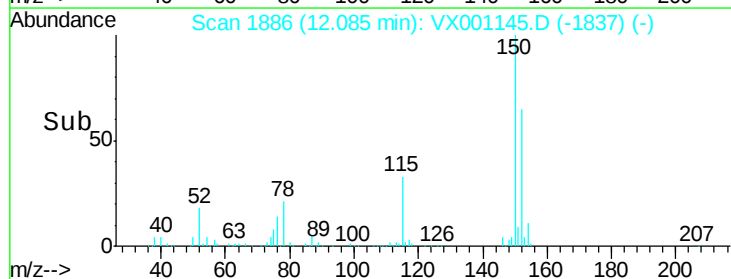
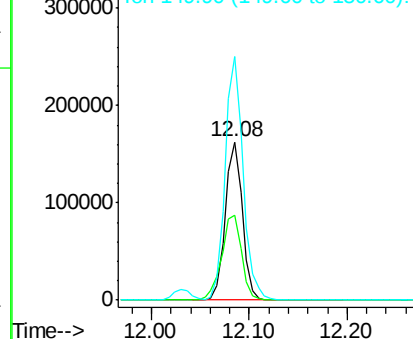
152 100

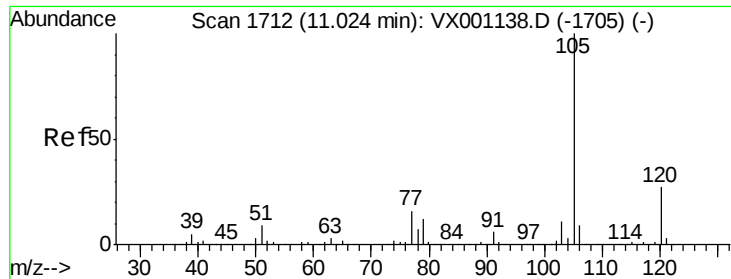
115 63.0 38.0 114.0

150 162.0 0.0 349.6



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





#73

Isopropylbenzene

Concen: 21.166 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion:105 Resp: 270273

Ion Ratio Lower Upper

105 100

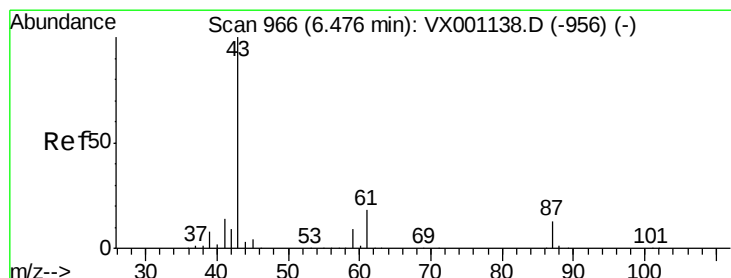
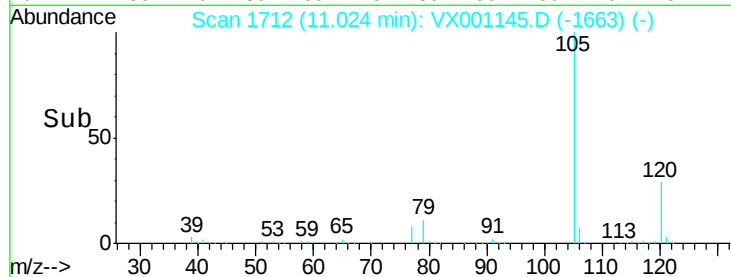
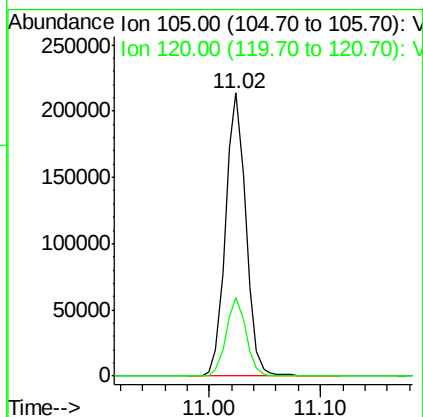
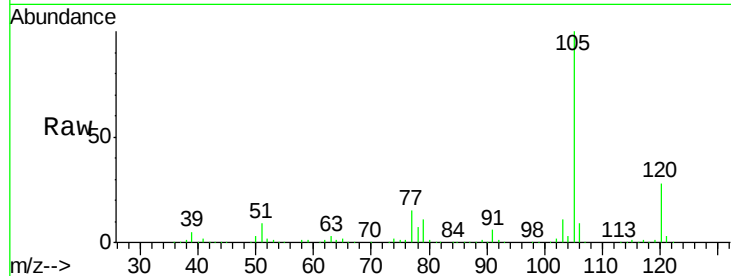
120 27.4 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.903 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion: 43 Resp: 128066

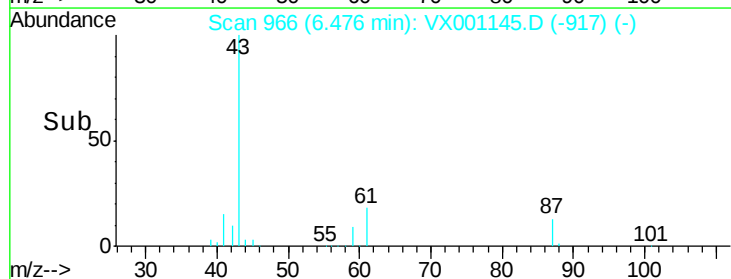
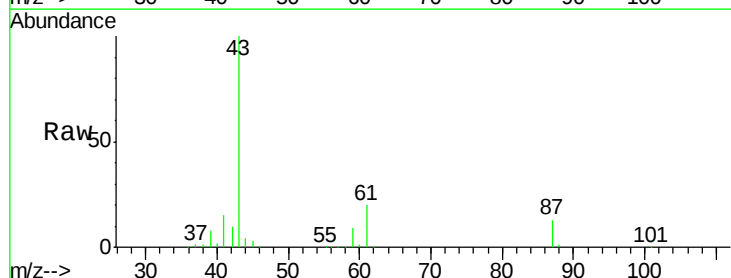
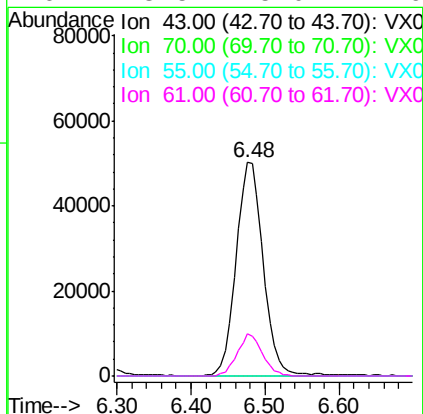
Ion Ratio Lower Upper

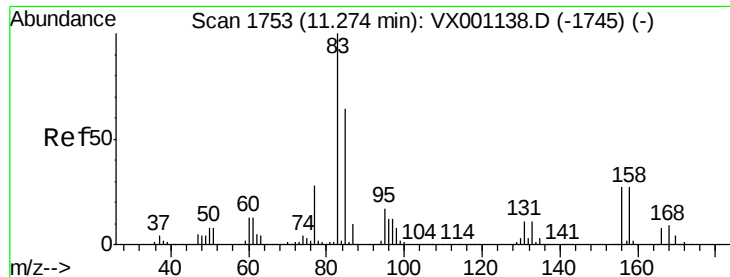
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.5 15.0 22.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.663 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

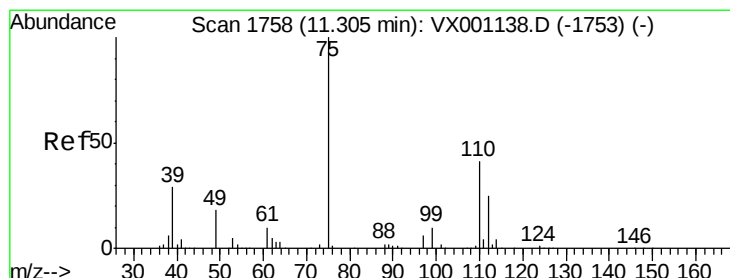
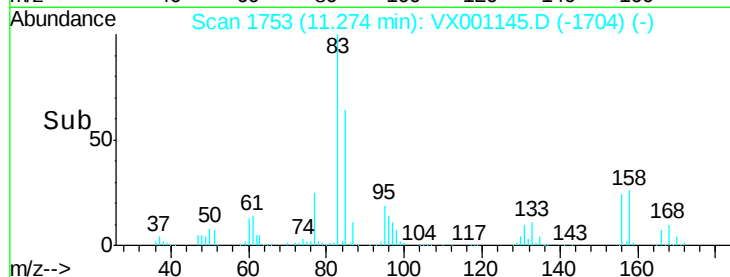
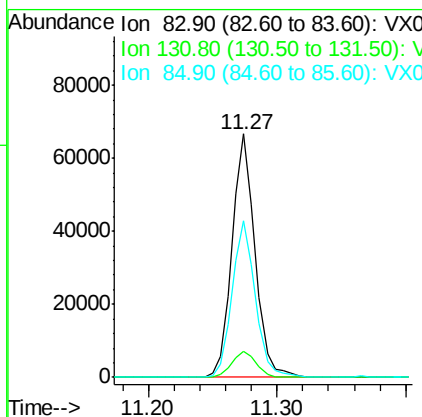
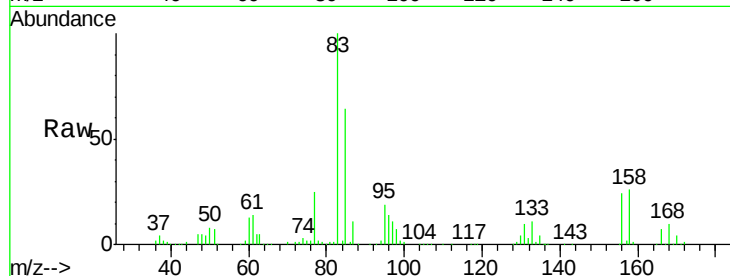
ClientSampleId :

VX0426WBS02

Tot Ion:	83	Resp:	83305
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.8	17.4
85	65.2	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 19.868 ug/l m

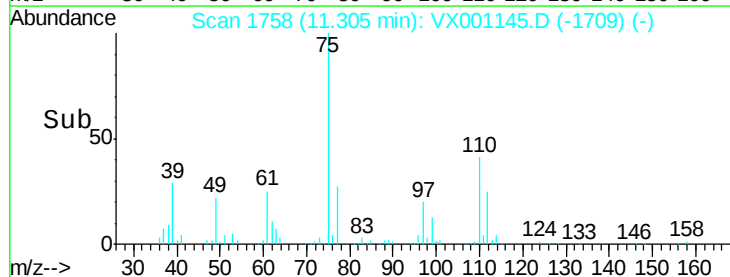
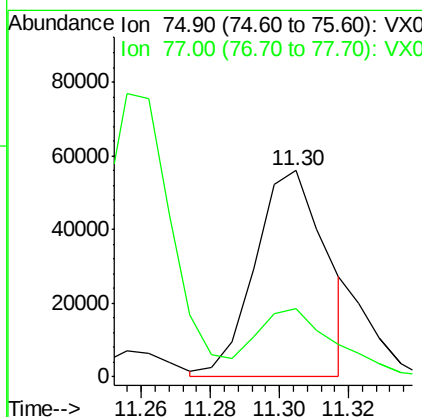
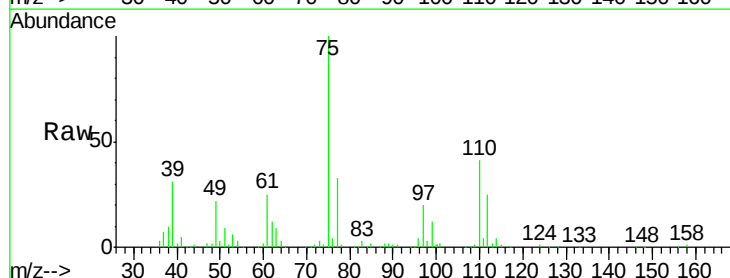
RT: 11.30 min Scan# 1758

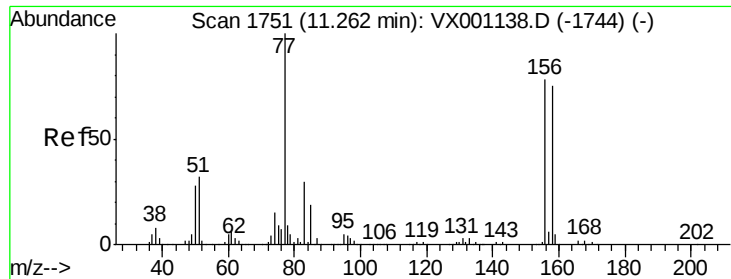
Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion:	75	Resp:	79258
Ion Ratio	Lower	Upper	
75	100		
77	36.8	18.9	56.9





#77

Bromobenzene

Concen: 20.421 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion:156 Resp: 77328

Ion Ratio Lower Upper

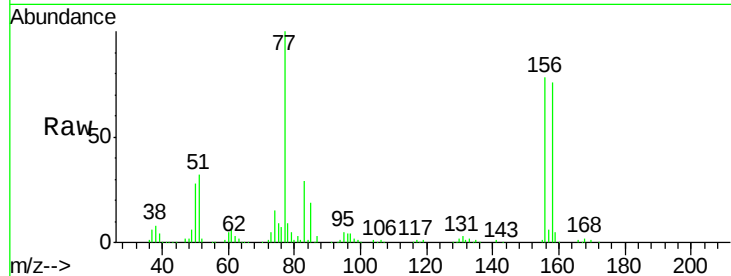
156 100

77 135.8 67.8 203.2

158 97.6 48.9 146.7

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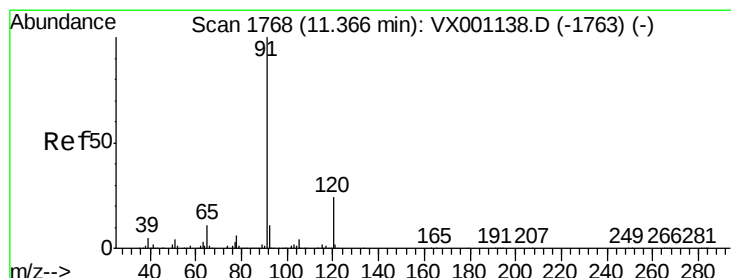
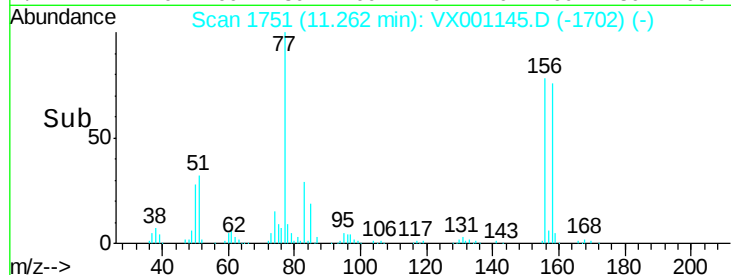
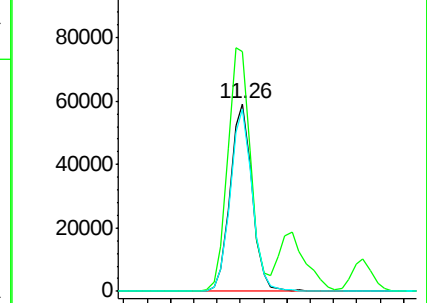
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.381 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001145.D

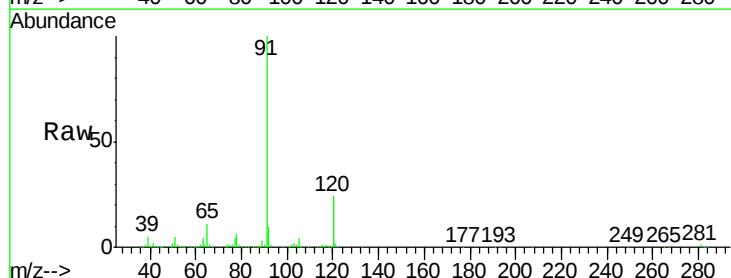
Acq: 26 Apr 2018 23:28

Tgt Ion: 91 Resp: 304441

Ion Ratio Lower Upper

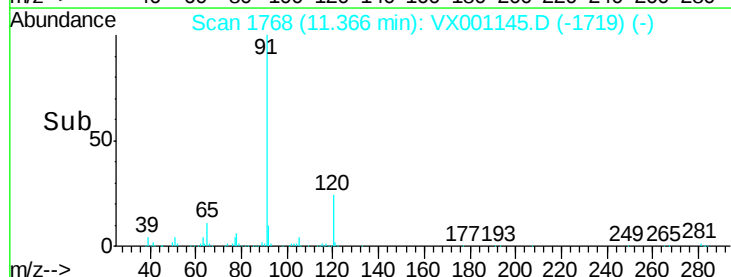
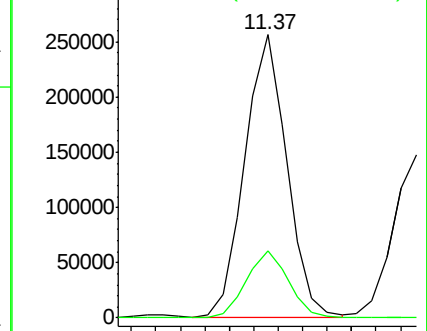
91 100

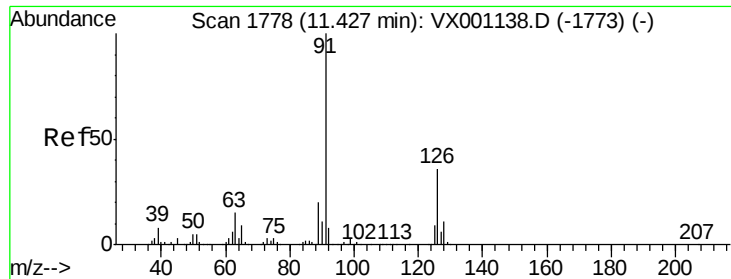
120 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





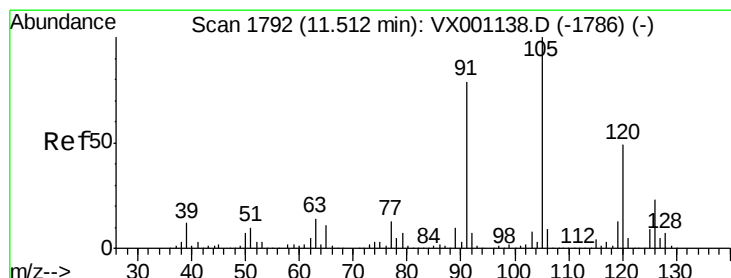
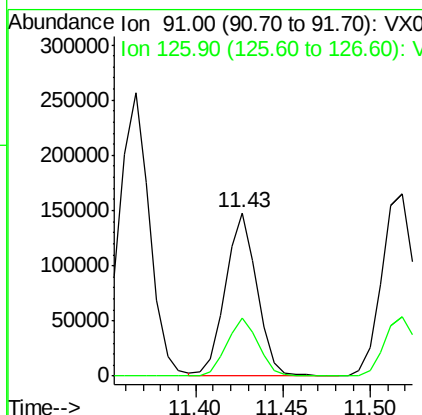
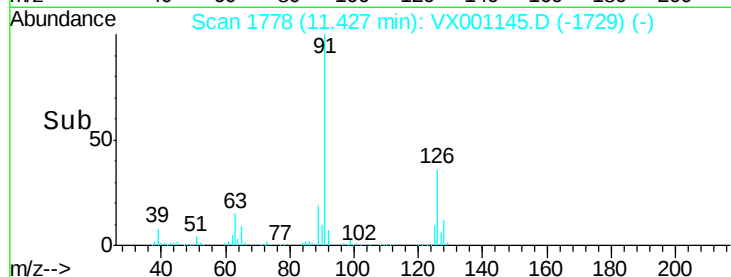
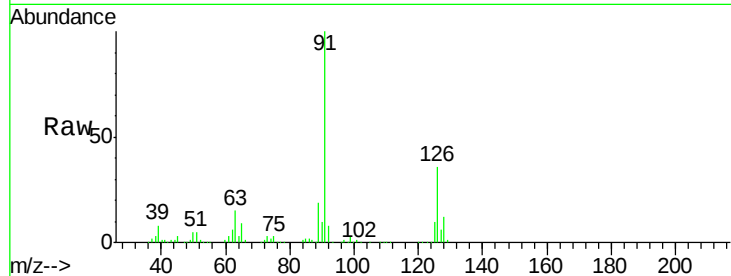
#79
 2-Chlorotoluene
 Concen: 20.735 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion: 91 Resp: 183018
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.2 54.6

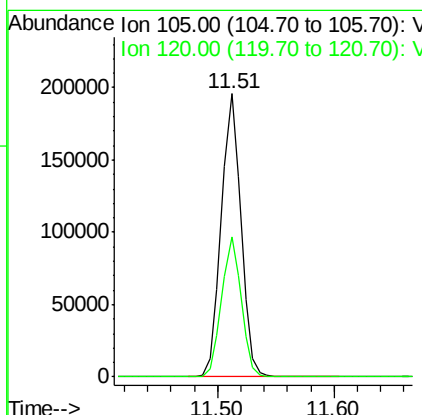
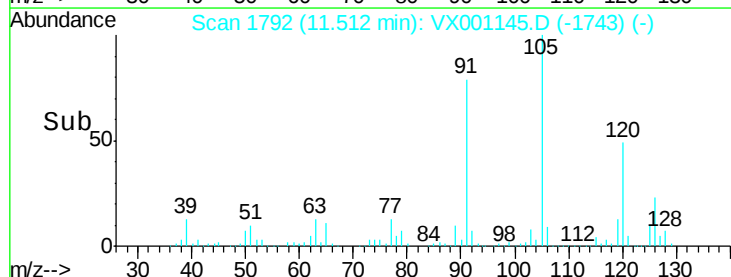
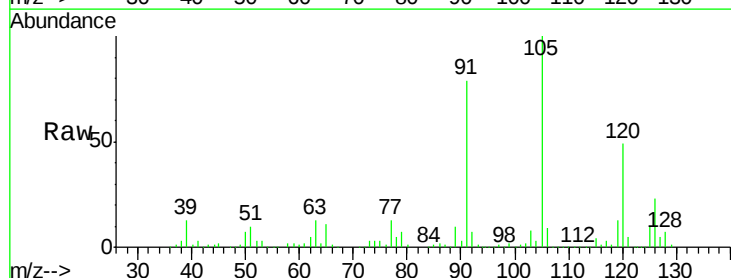
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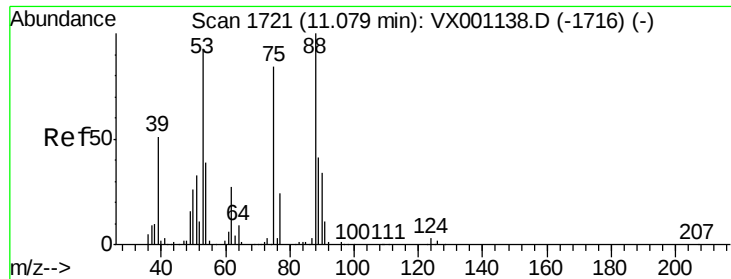
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.184 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion: 105 Resp: 229025
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.440 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

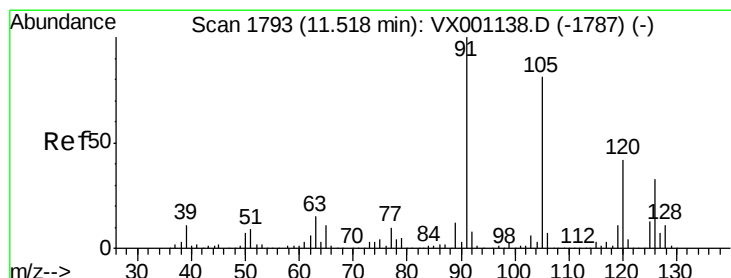
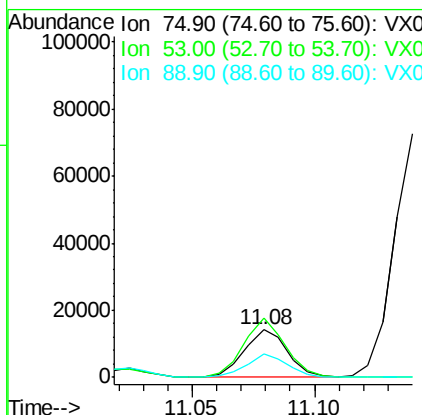
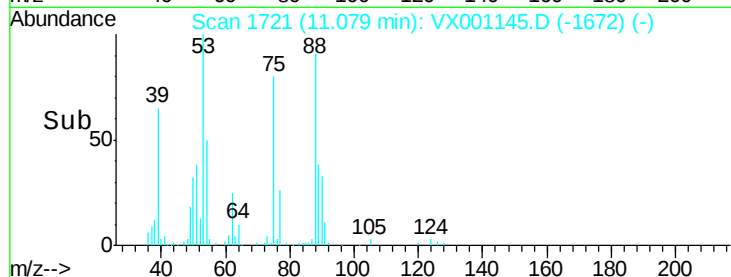
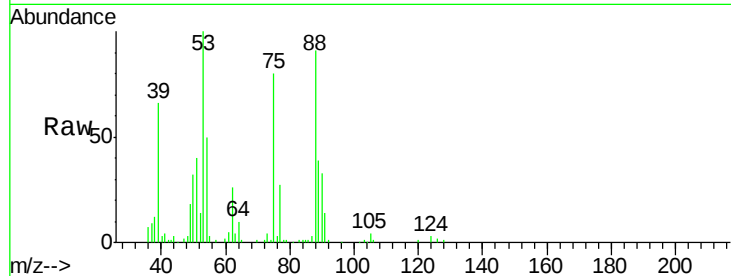
ClientSampleId :

VX0426WBS02

Tot Ion:	75	Resp:	17183
Ion	Ratio	Lower	Upper
75	100		
53	120.4	87.9	131.9
89	48.0	37.7	56.5

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#82

4-Chlorotoluene

Concen: 20.729 ug/l

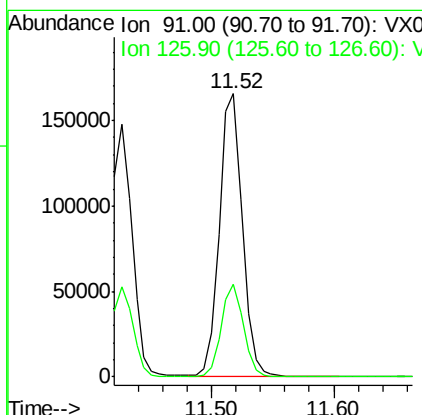
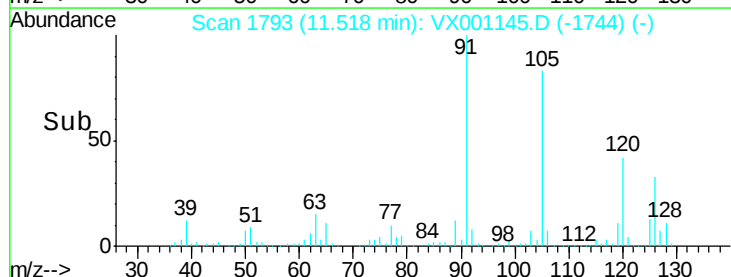
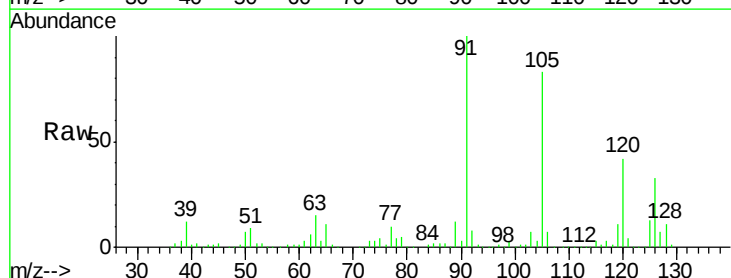
RT: 11.52 min Scan# 1793

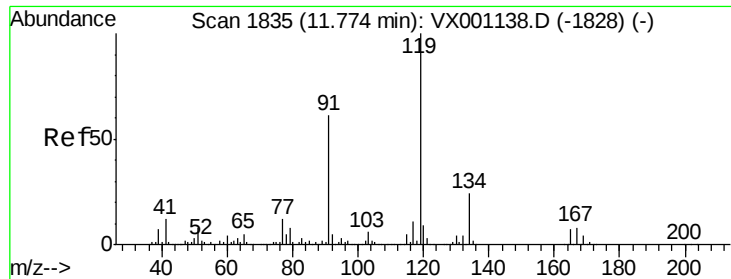
Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion:	91	Resp:	217470
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.4





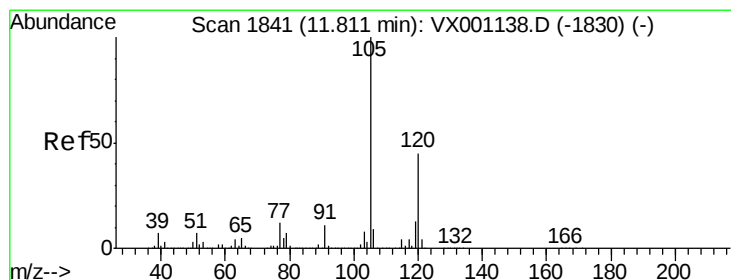
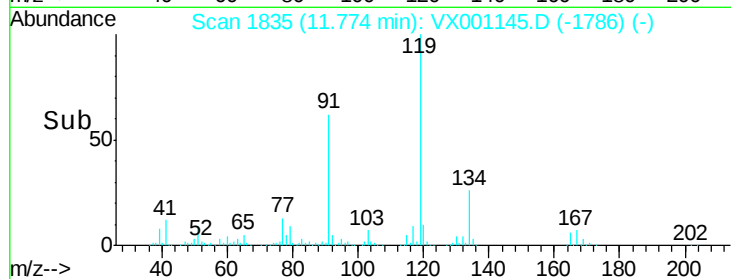
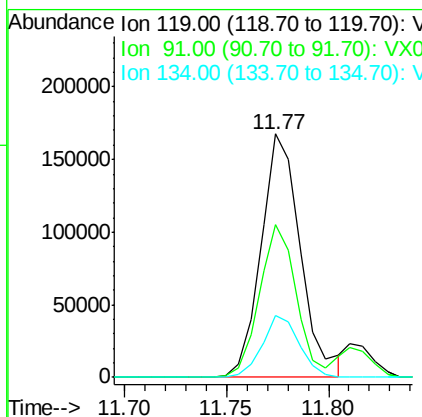
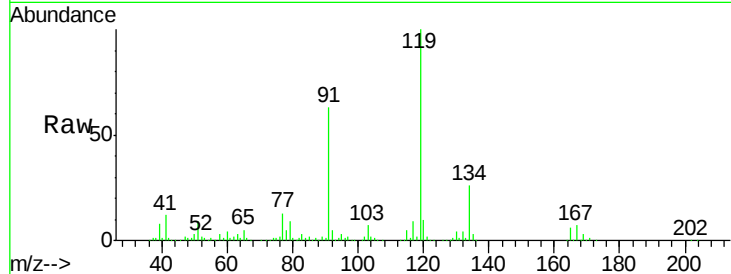
#83
 tert-Butylbenzene
 Concen: 20.964 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226180		
91	58.6		27.6	82.8
134	23.9		11.5	34.5

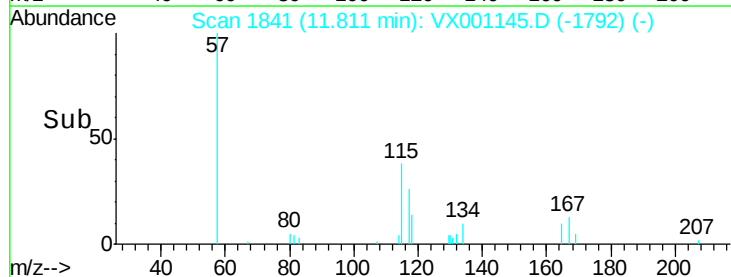
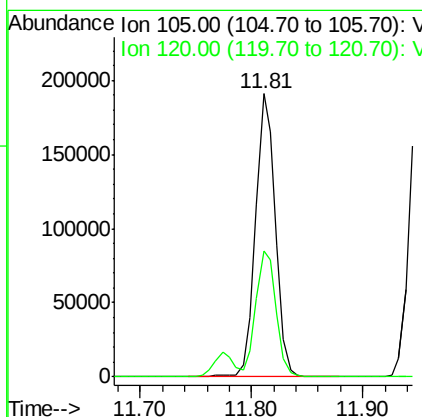
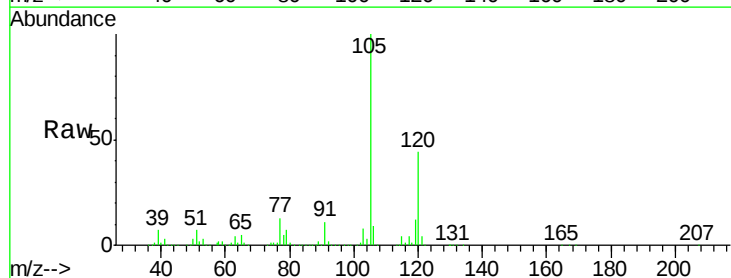
Manual Integrations
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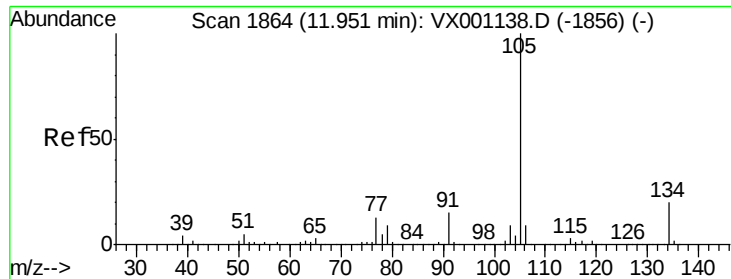
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.277 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	236431		
120	45.3		22.4	67.3





#85

sec-Butylbenzene

Concen: 21.612 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBS02

Tot Ion:105 Resp: 272381

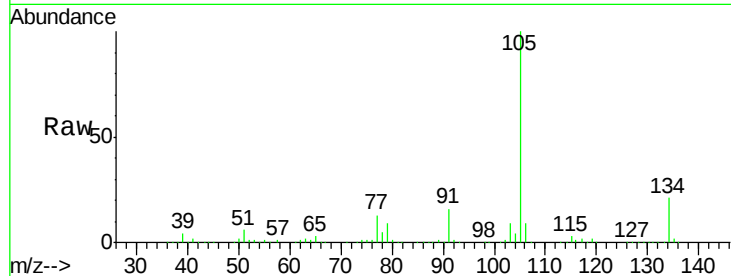
Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

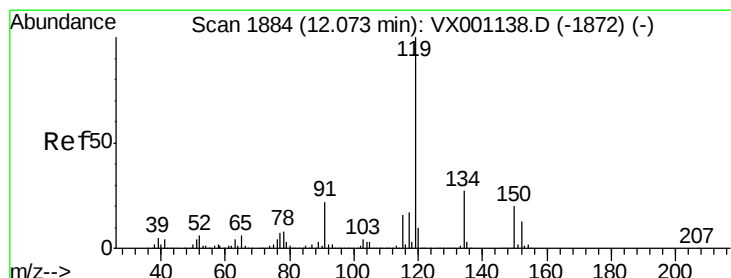
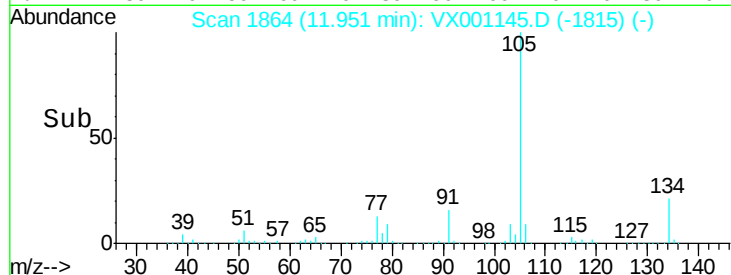
100000

50000

0

11.90 11.95 12.00 12.05

Time-->



#86

p-Isopropyltoluene

Concen: 21.186 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

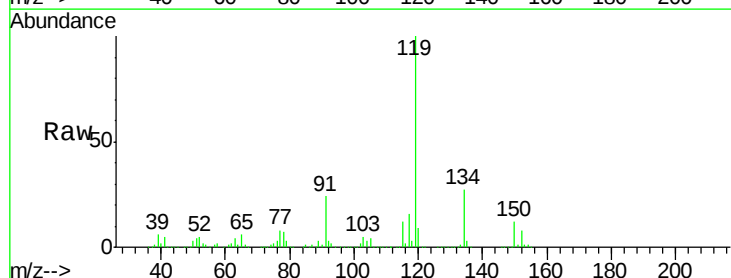
Tgt Ion:119 Resp: 248390

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

91 23.6 11.6 34.8



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

250000

200000

150000

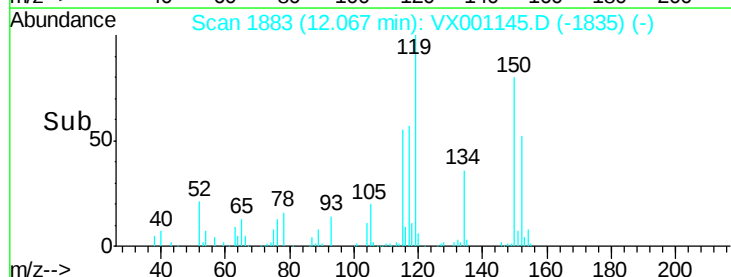
100000

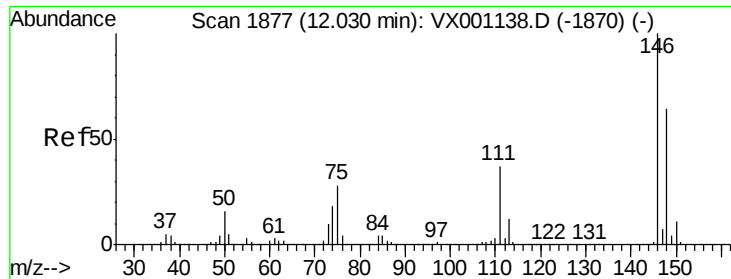
50000

0

12.00 12.05 12.10

Time-->





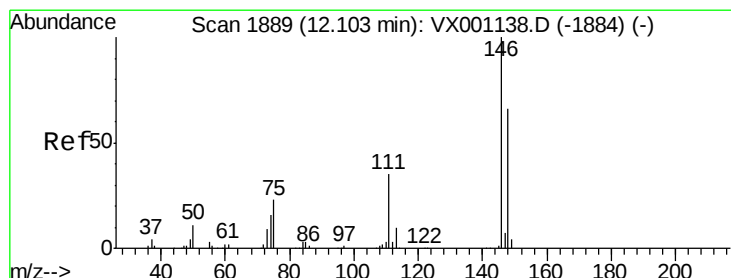
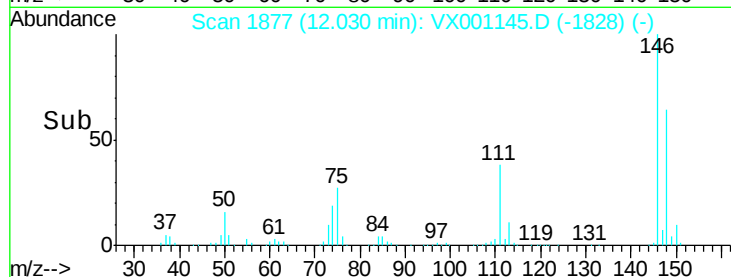
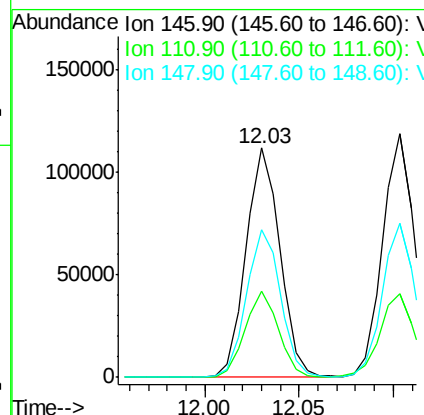
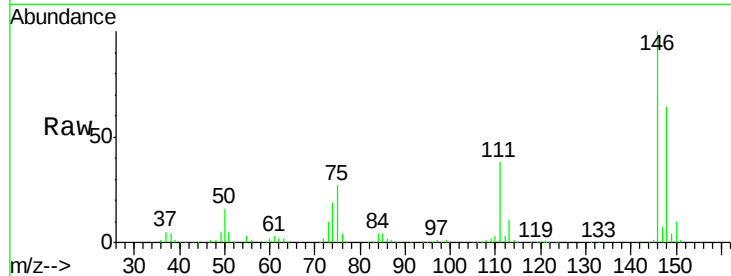
#87
 1,3-Dichlorobenzene
 Concen: 20.604 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	56.0
148	65.1	32.3	96.8

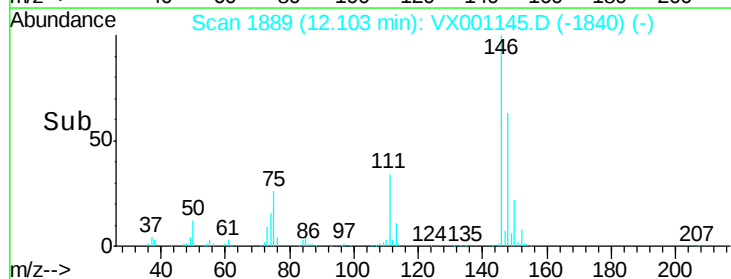
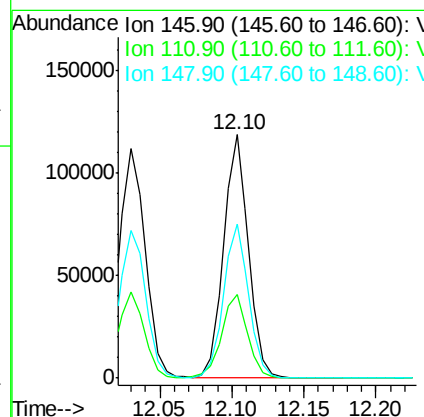
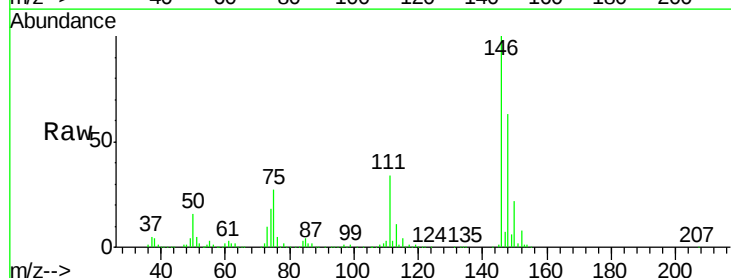
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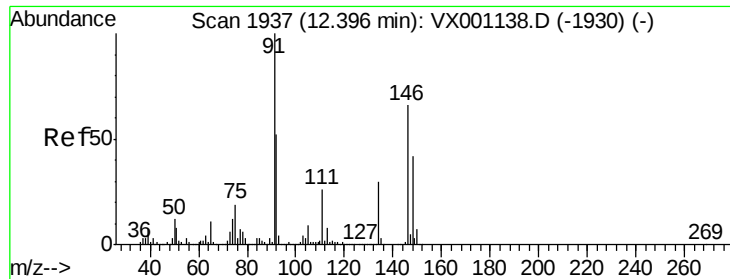
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#88
 1,4-Dichlorobenzene
 Concen: 20.294 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.0	54.0
148	64.2	32.5	97.5





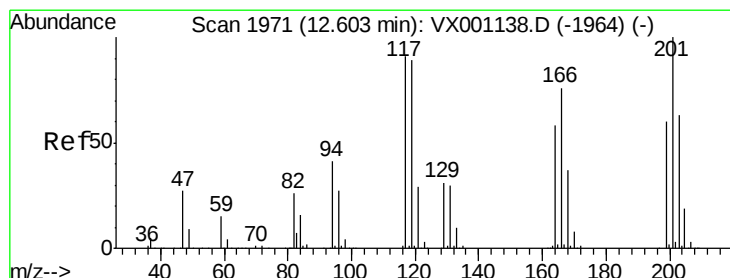
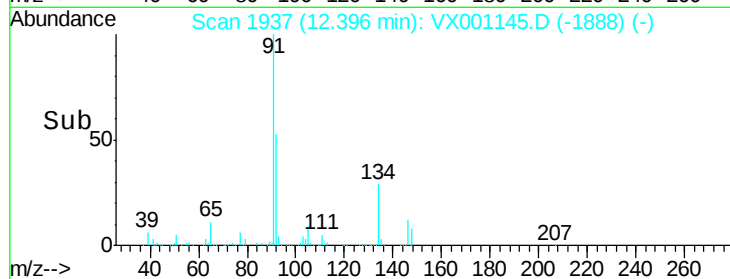
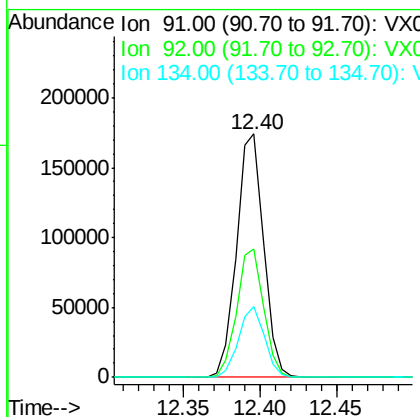
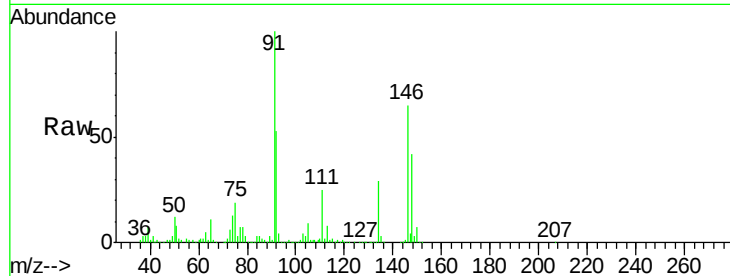
#89
n-Butylbenzene
Concen: 21.006 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.6
134	27.9	14.1	42.3

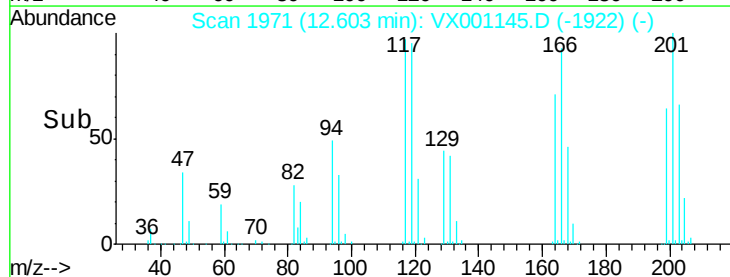
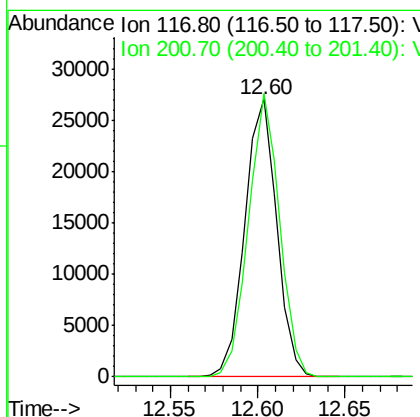
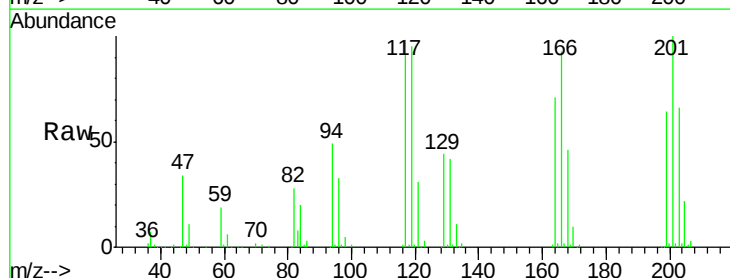
Manual Integrations
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#90
Hexachloroethane
Concen: 20.284 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001145.D
Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.6	51.8	155.4





#91

1,2-Dichlorobenzene

Concen: 20.383 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

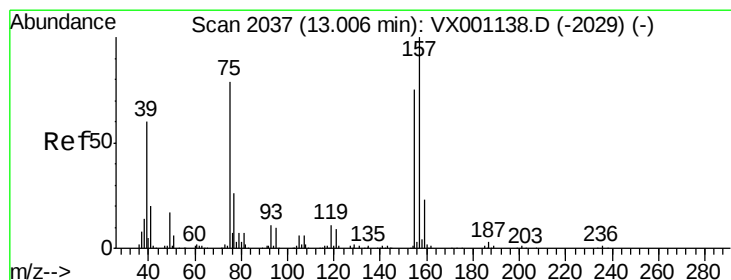
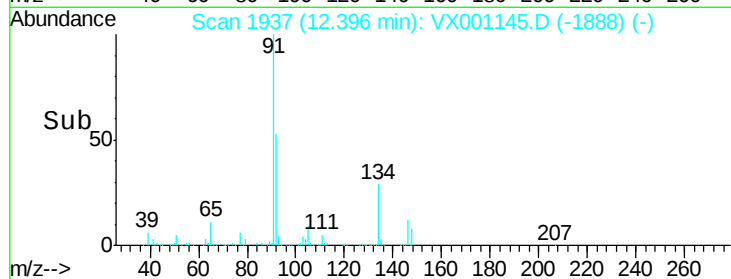
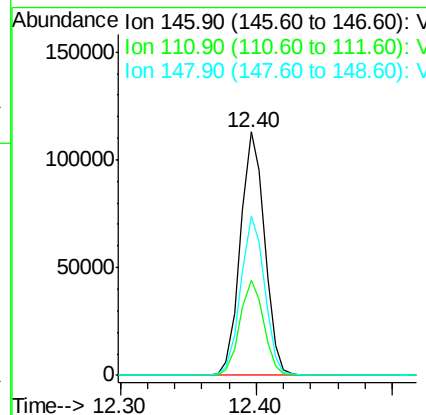
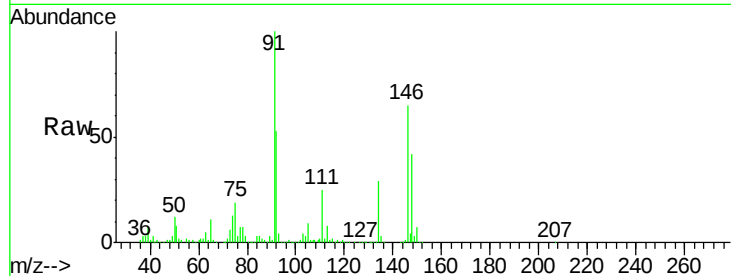
ClientSampleId :

VX0426WBS02

Tot Ion:	146	Resp:	140050
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.3
148	64.4	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.217 ug/l

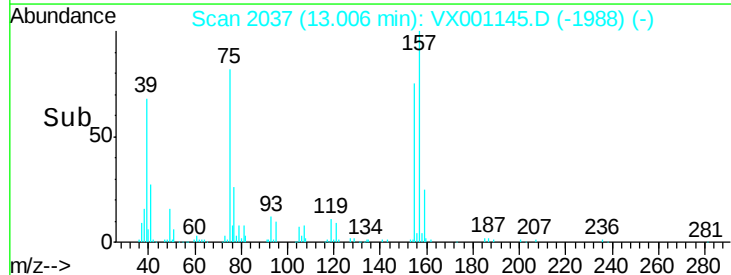
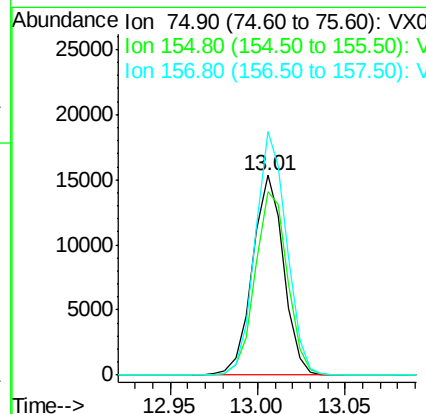
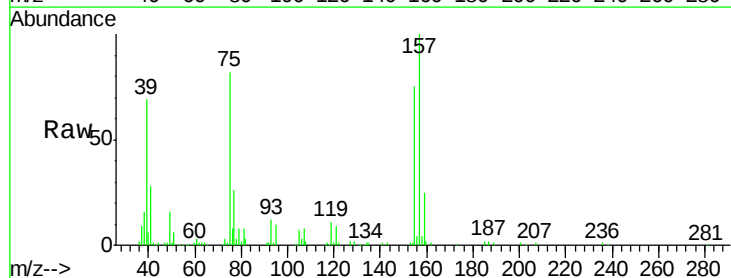
RT: 13.01 min Scan# 2037

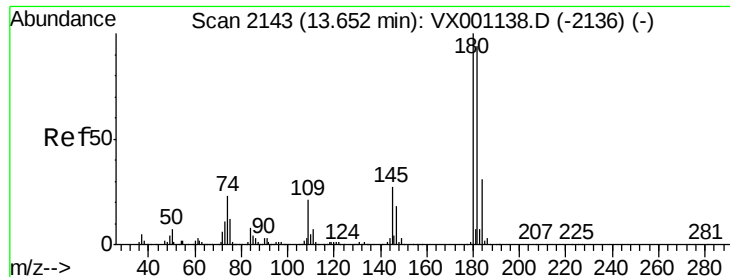
Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion:	75	Resp:	18903
Ion Ratio	Lower	Upper	
75	100		
155	95.4	48.4	145.3
157	122.3	62.7	188.1





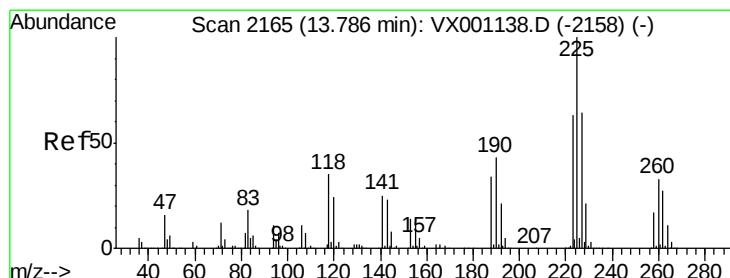
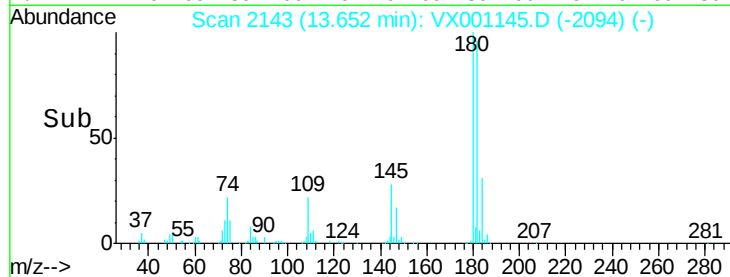
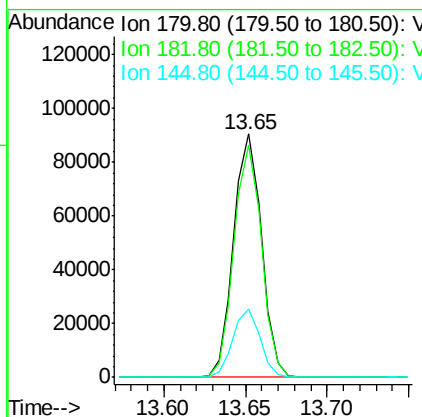
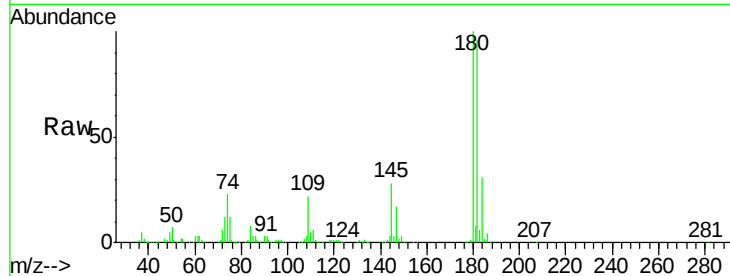
#93
 1,2,4-Trichlorobenzene
 Concen: 20.053 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	47.9	143.6	
145	27.5	13.8	41.4	

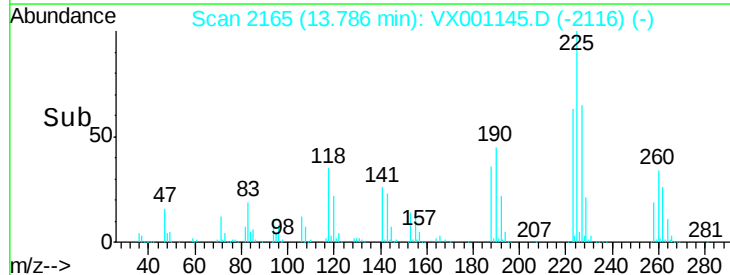
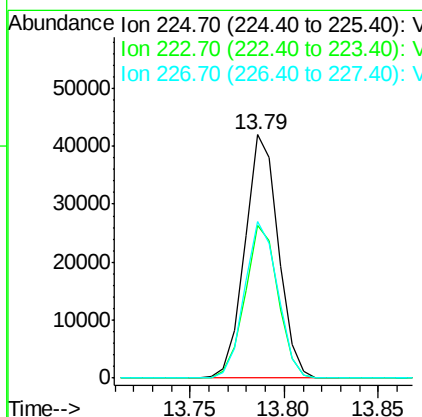
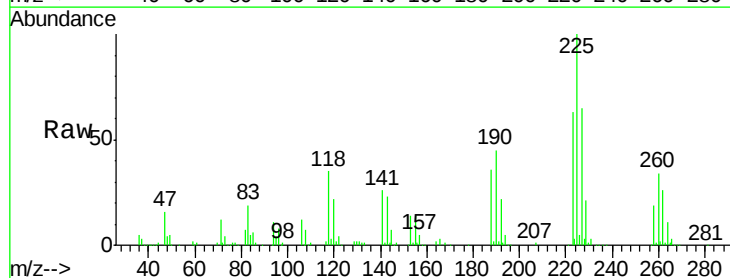
Manual Integrations
 APPROVED

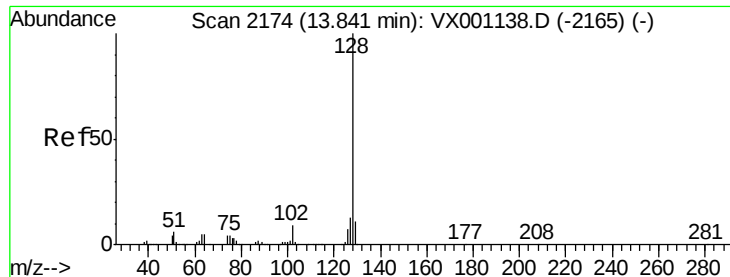
MMDadoda
 4/30/2018 6:03:28 PM



#94
 Hexachlorobutadiene
 Concen: 20.393 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001145.D
 Acq: 26 Apr 2018 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.3	93.9	
227	63.9	32.2	96.6	





#95

Naphthalene

Concen: 20.577 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Instrument :

MSVOA_X

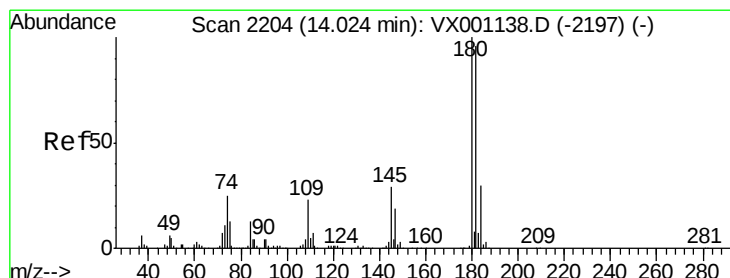
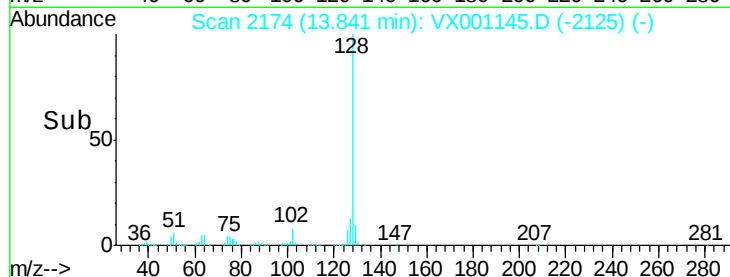
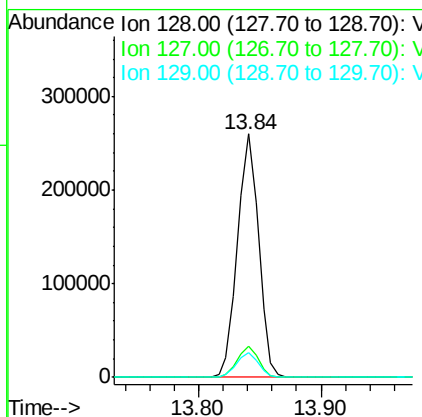
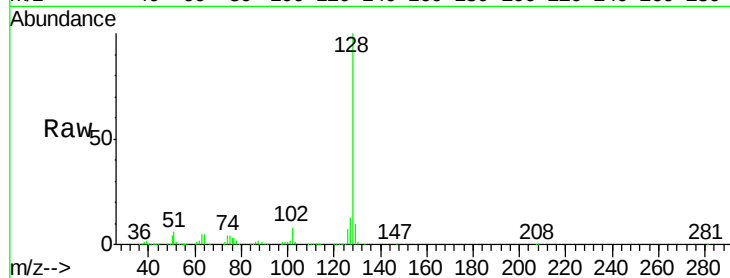
ClientSampleId :

VX0426WBS02

Tot Ion:	128	Resp:	308812
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.7	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.300 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001145.D

Acq: 26 Apr 2018 23:28

Tgt Ion:	180	Resp:	108808
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.2	144.6
145	29.3	14.5	43.5

