

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
 Data File : VX001531.D
 Acq On : 08 May 2018 23:48
 Operator : JC/MD
 Sample : VX0508WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:11:29 PM

Quant Time: May 09 07:42:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	297205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	166252	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	5.51	113	131385	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	8.72	98	473631	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	11.14	95	176640	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64325	21.17	ug/l	100
3) Chloromethane	1.32	50	61908	20.92	ug/l	100
4) Vinyl Chloride	1.40	62	66756	21.61	ug/l	97
5) Bromomethane	1.64	94	40345	26.95	ug/l	98
6) Chloroethane	1.72	64	43252	21.18	ug/l	96
7) Trichlorofluoromethane	1.93	101	100718	21.67	ug/l	98
8) Diethyl Ether	2.19	74	38683	21.23	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57216	20.99	ug/l	99
10) Methyl Iodide	2.51	142	72046	18.32	ug/l	100
11) Tert butyl alcohol	3.08	59	82058	119.94	ug/l	100
12) 1,1-Dichloroethene	2.37	96	54163	21.68	ug/l	97
13) Acrolein	2.30	56	14503	100.56	ug/l	99
14) Allyl chloride	2.73	41	98137	21.07	ug/l	99
15) Acrylonitrile	3.15	53	174567	112.92	ug/l	100
16) Acetone	2.45	43	160077	108.64	ug/l	99
17) Carbon Disulfide	2.57	76	124778	19.63	ug/l	99
18) Methyl Acetate	2.78	43	93810	24.23	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	188788	21.71	ug/l	99
20) Methylene Chloride	2.86	84	61786	21.18	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	58252	20.89	ug/l	98
22) Diisopropyl ether	3.88	45	180893	20.79	ug/l	99
23) Vinyl Acetate	3.83	43	741263	102.21	ug/l	100
24) 1,1-Dichloroethane	3.70	63	108418	22.30	ug/l	99
25) 2-Butanone	4.72	43	232744	109.28	ug/l	98
26) 2,2-Dichloropropane	4.59	77	55934	14.90	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	62634	21.10	ug/l	96
28) Bromochloromethane	5.03	49	46870	22.24	ug/l	97
29) Tetrahydrofuran	5.18	42	150811	110.67	ug/l	100
30) Chloroform	5.23	83	110545	22.08	ug/l	99
31) Cyclohexane	5.58	56	85042	20.37	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	95060	21.72	ug/l	98
36) 1,1-Dichloropropene	5.81	75	76128	20.14	ug/l	98
37) Ethyl Acetate	4.87	43	89427	21.58	ug/l	99
38) Carbon Tetrachloride	5.78	117	85730	21.26	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86426	19.34	ug/l	95
40) Benzene	6.15	78	234601	21.25	ug/l	98
41) Methacrylonitrile	5.07	41	50273	21.20	ug/l	98
42) 1,2-Dichloroethane	6.21	62	93433	22.01	ug/l	99
43) Isopropyl Acetate	6.48	43	135088	21.23	ug/l	99
44) Trichloroethene	7.22	130	71174	21.09	ug/l	96
45) 1,2-Dichloropropane	7.52	63	57342	20.83	ug/l	98
46) Dibromomethane	7.67	93	42160	21.63	ug/l	98
47) Bromodichloromethane	7.91	83	77382	21.45	ug/l	100
48) Methyl methacrylate	7.79	41	73393	21.19	ug/l	100
49) 1,4-Dioxane	7.76	88	32605	435.65	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	471898	111.63	ug/l	98
52) Toluene	8.79	92	153559	21.27	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	83284	20.43	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	74252	19.08	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	61787	21.24	ug/l	98
56) Ethyl methacrylate	9.19	69	86242	20.57	ug/l	99
57) 1,3-Dichloropropane	9.38	76	102929	21.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	231734	112.68	ug/l	99
59) 2-Hexanone	9.51	43	351287	108.51	ug/l	100
60) Dibromochloromethane	9.59	129	62478	20.97	ug/l	100
61) 1,2-Dibromoethane	9.68	107	65198	21.35	ug/l	99
64) Tetrachloroethene	9.34	164	85199	21.16	ug/l	98
65) Chlorobenzene	10.15	112	174573	20.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	63269	20.88	ug/l	99
67) Ethyl Benzene	10.26	91	282567	20.35	ug/l	99
68) m/p-Xylenes	10.37	106	224994	41.00	ug/l	99
69) o-Xylene	10.71	106	109515	20.54	ug/l	99
70) Styrene	10.72	104	178770	20.63	ug/l	100
71) Bromoform	10.86	173	48959	19.17	ug/l #	99
73) Isopropylbenzene	11.02	105	294704	21.26	ug/l	100
74) N-amyl acetate	6.48	43	135088	21.46	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	88446	21.61	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	87274m	21.49	ug/l	
77) Bromobenzene	11.26	156	83368	20.69	ug/l	99
78) n-propylbenzene	11.37	91	320583	21.24	ug/l	99
79) 2-Chlorotoluene	11.43	91	195857	21.09	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	246294	21.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18671	17.69	ug/l	89
82) 4-Chlorotoluene	11.52	91	227787	21.26	ug/l	100
83) tert-Butylbenzene	11.77	119	235405	20.50	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	253556	21.38	ug/l	99
85) sec-Butylbenzene	11.95	105	290682	21.09	ug/l	100
86) p-Isopropyltoluene	12.07	119	265587	21.01	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	148713	20.65	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	150338	20.46	ug/l	99
89) n-Butylbenzene	12.40	91	202995	19.38	ug/l	100
90) Hexachloroethane	12.60	117	39365	20.68	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	153851	20.99	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20107	22.36	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	105605	19.69	ug/l	99
94) Hexachlorobutadiene	13.79	225	57664	19.65	ug/l	100
95) Naphthalene	13.84	128	314941	21.24	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	113267	20.58	ug/l	99

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

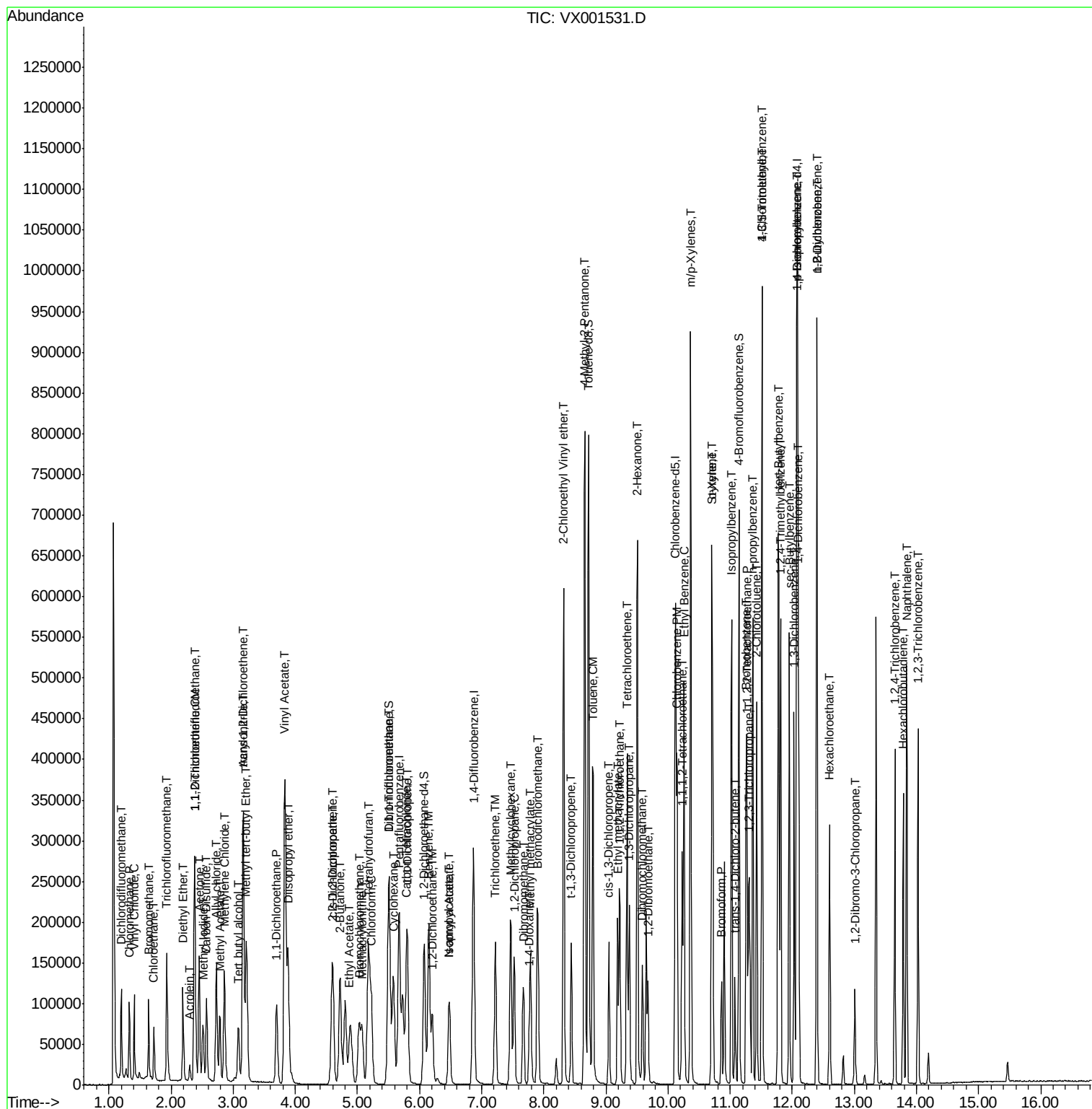
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
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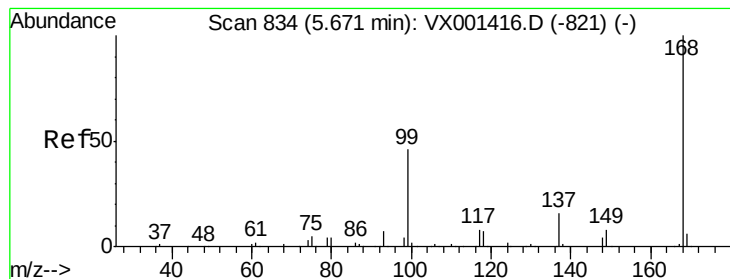
Instrument :
 MSVOA_X
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampled :

VX0508WBS02

Tot Ion:168 Resp: 225755

Ion Ratio Lower Upper

168 100

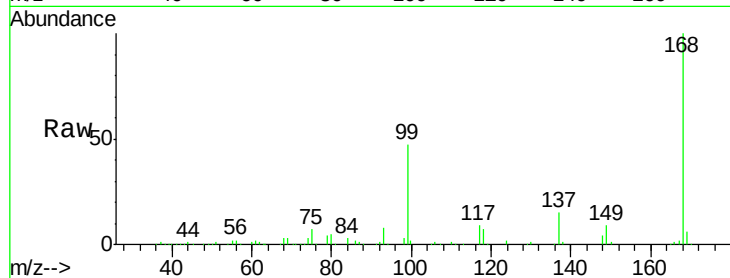
99 47.4 36.6 54.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

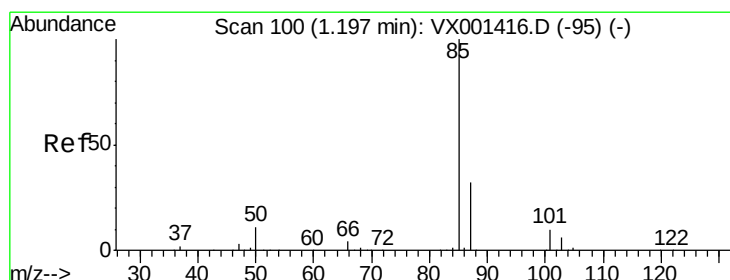
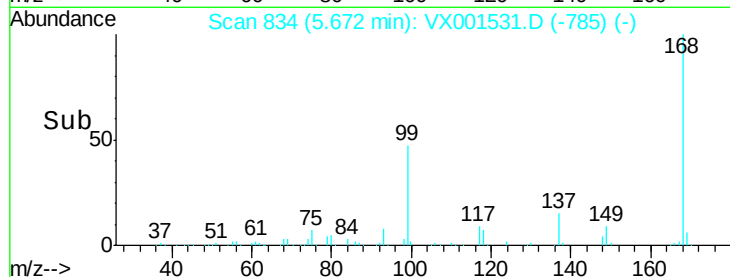
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.17 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001531.D

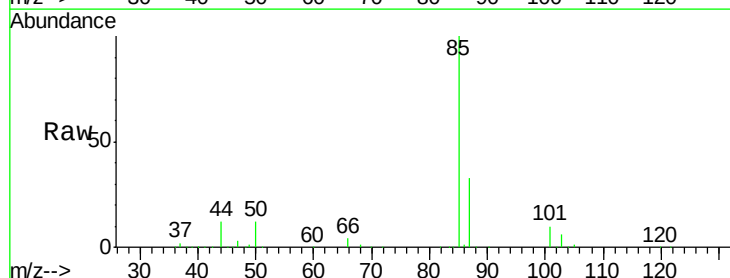
Acq: 08 May 2018 23:48

Tgt Ion: 85 Resp: 64325

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

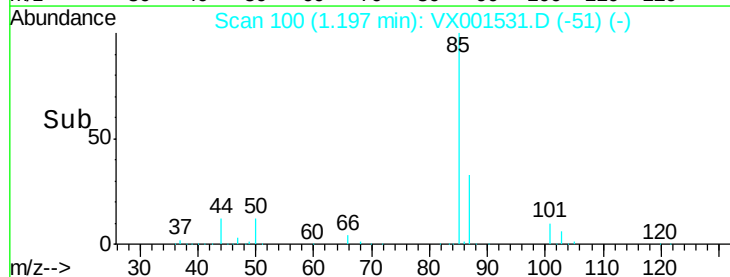
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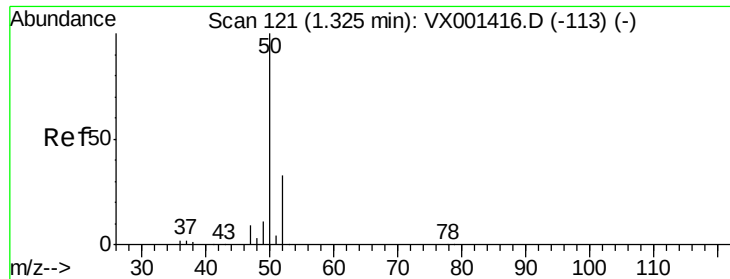
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.92 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 50 Resp: 61908

Ion Ratio Lower Upper

50 100

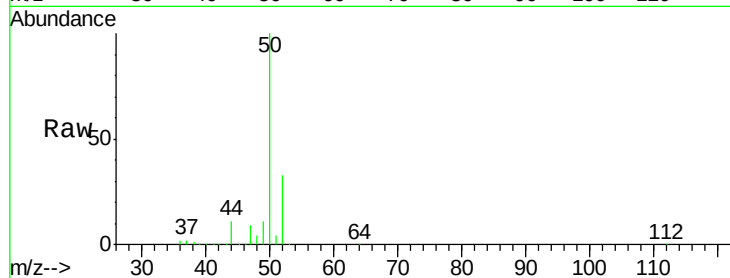
52 32.9 26.2 39.4

Manual Integrations

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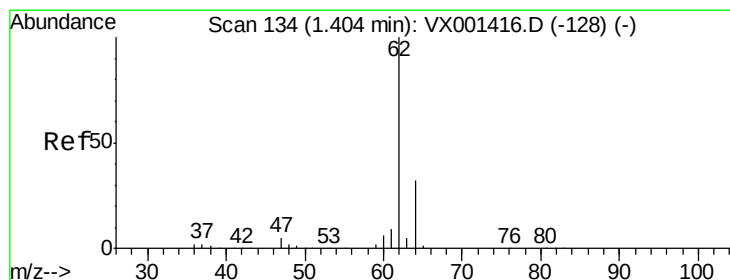
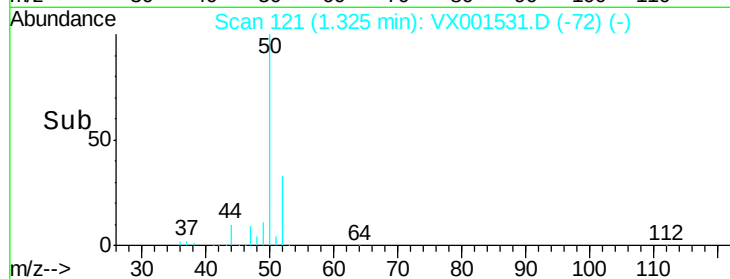
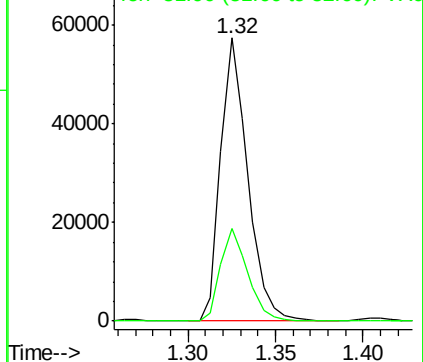
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.61 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001531.D

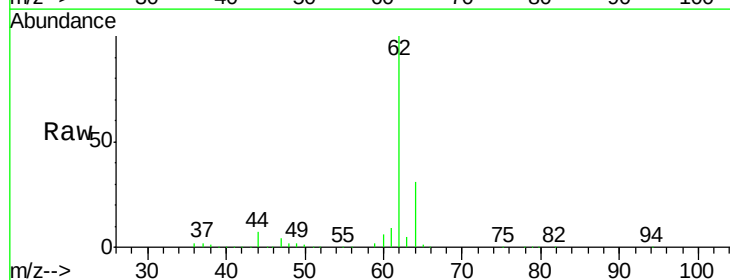
Acq: 08 May 2018 23:48

Tgt Ion: 62 Resp: 66756

Ion Ratio Lower Upper

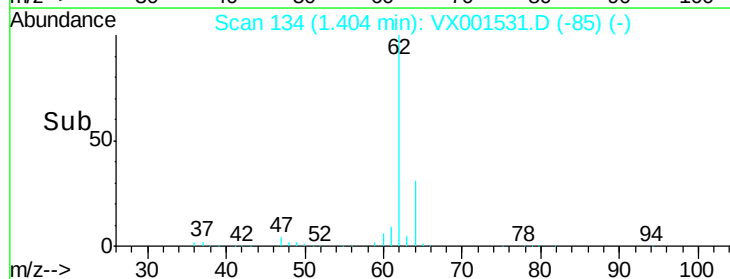
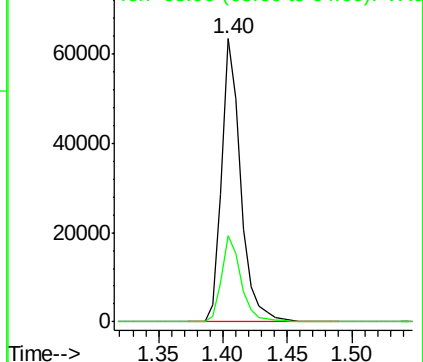
62 100

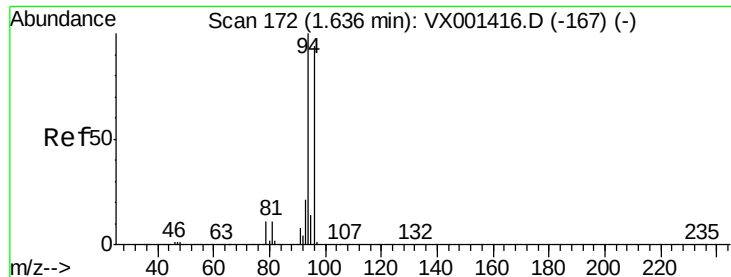
64 30.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.95 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 94 Resp: 40345

Ion Ratio Lower Upper

94 100

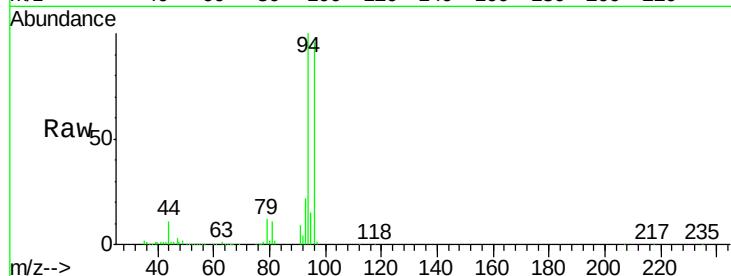
96 96.2 75.0 112.6

Manual Integrations

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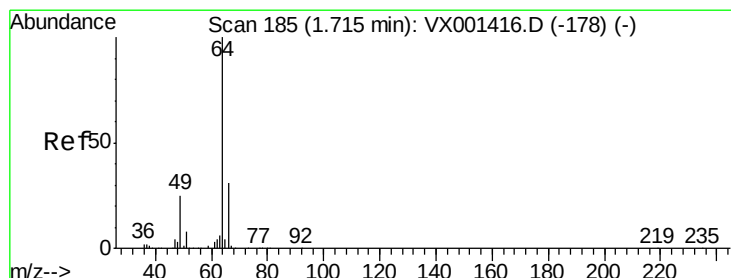
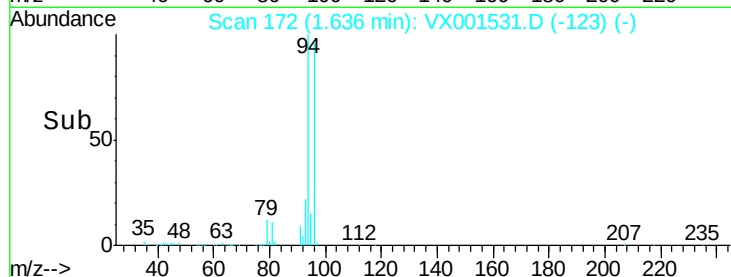
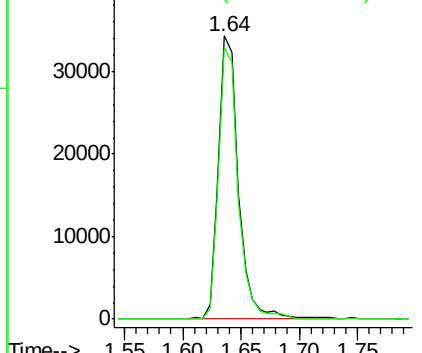
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.18 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001531.D

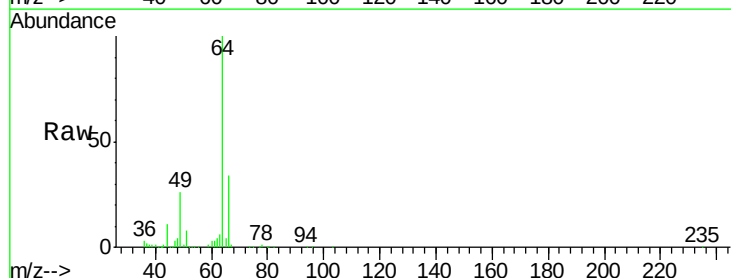
Acq: 08 May 2018 23:48

Tgt Ion: 64 Resp: 43252

Ion Ratio Lower Upper

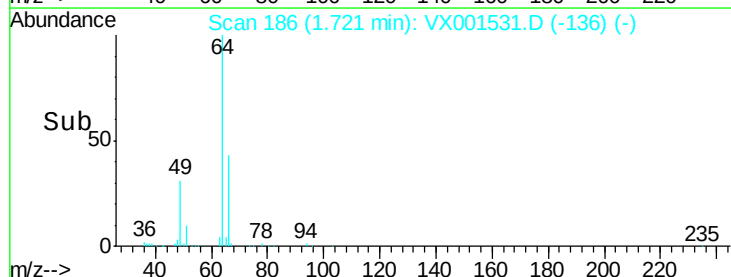
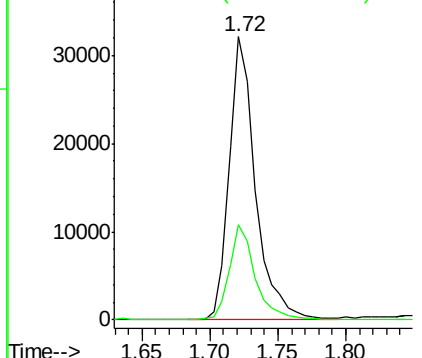
64 100

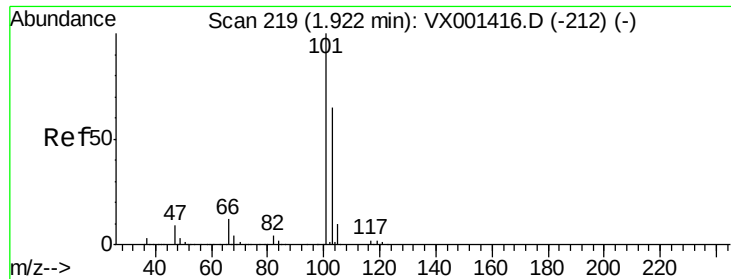
66 33.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

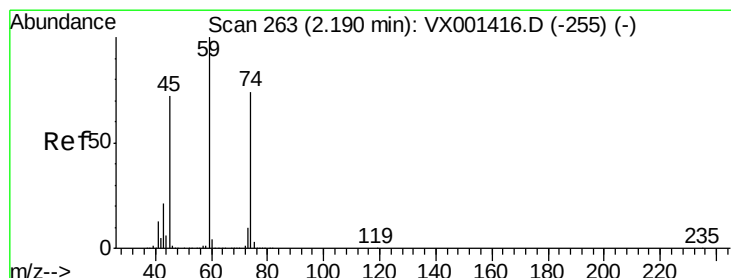
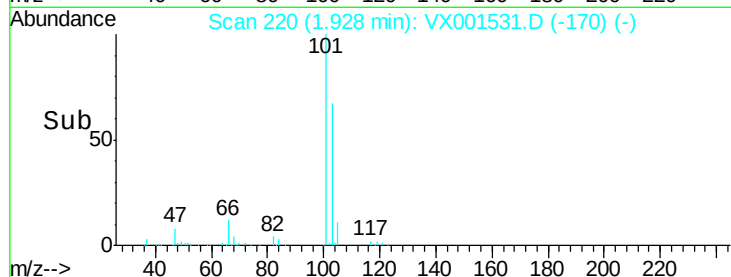
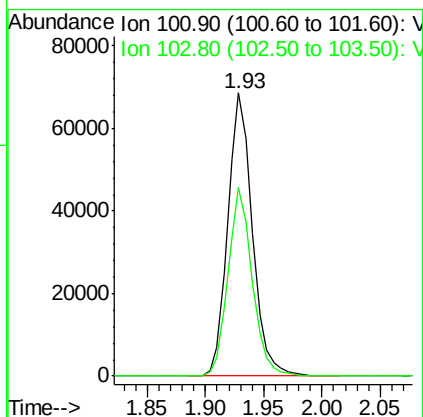
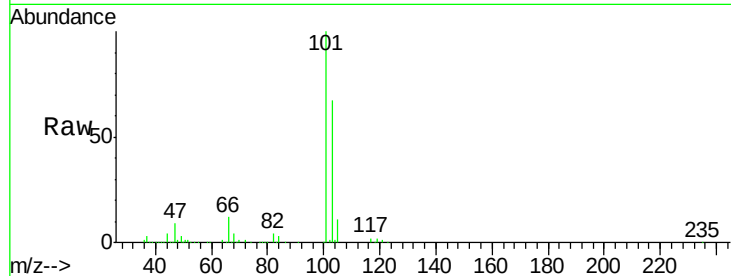
Trichlorofluoromethane
 Concen: 21.67 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100718		
103	66.6	52.0	78.0	

Manual Integrations
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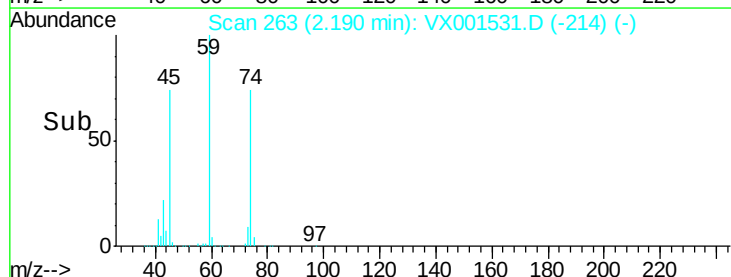
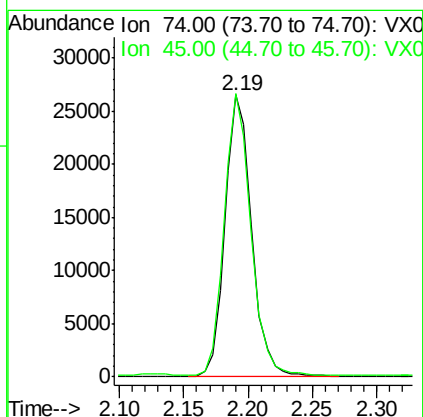
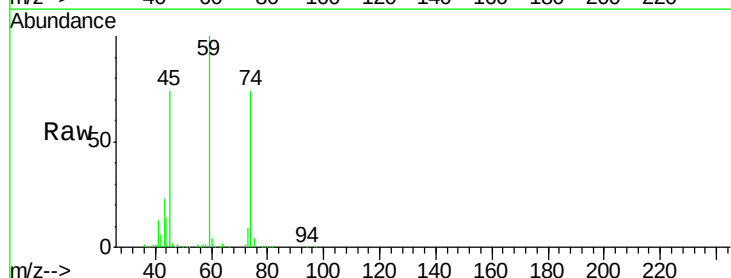
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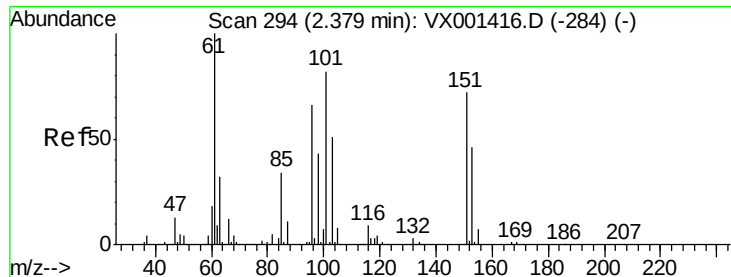


#8

Diethyl Ether
 Concen: 21.23 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38683		
45	99.3	47.9	143.6	





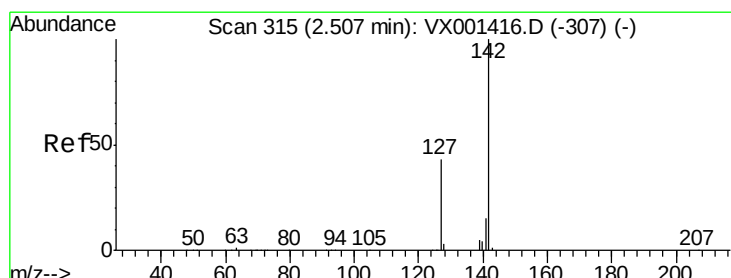
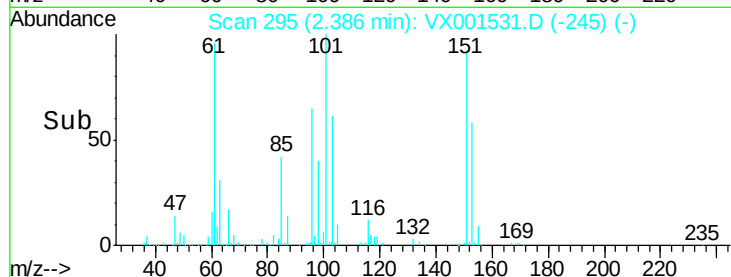
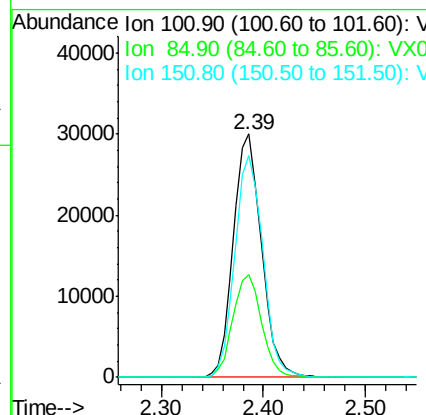
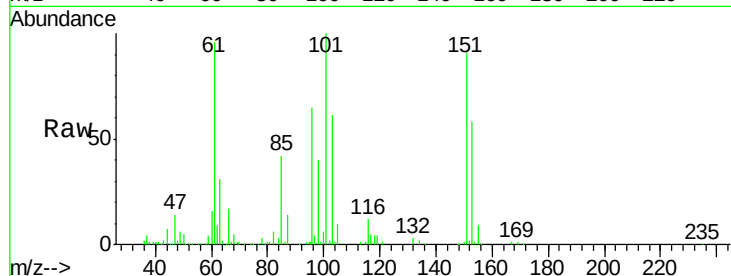
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.99 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	33.7	50.5
151	91.1	72.3	108.5

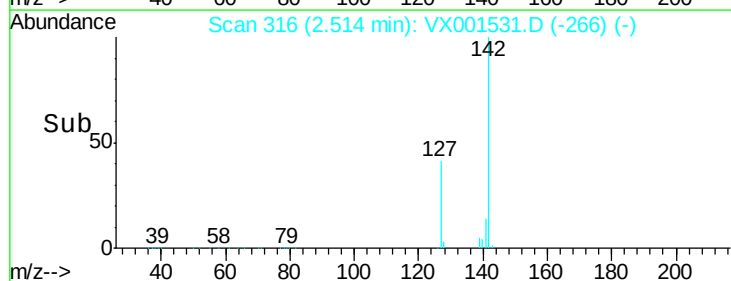
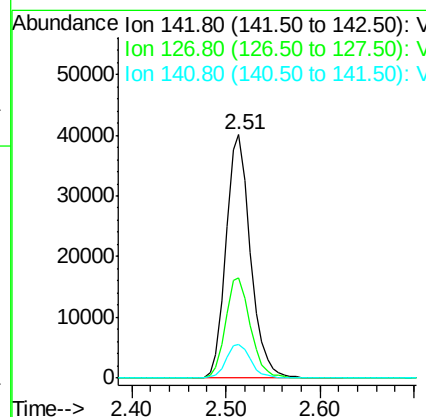
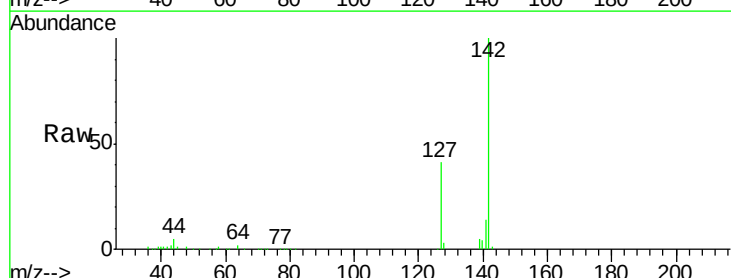
Manual Integrations
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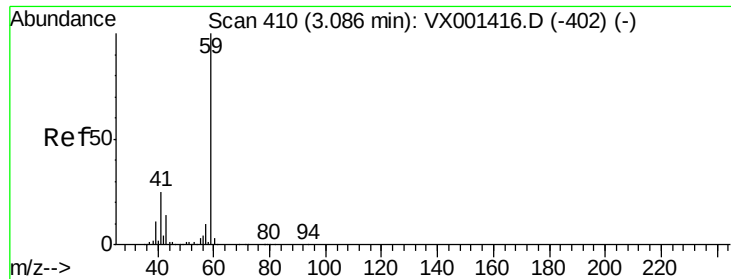
MMDadoda
5/10/2018 1:11:29 PM



#10
Methyl Iodide
Concen: 18.32 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.1	33.6	50.4
141	14.0	11.4	17.2





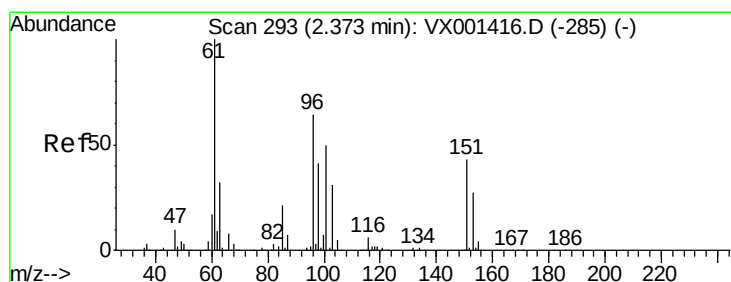
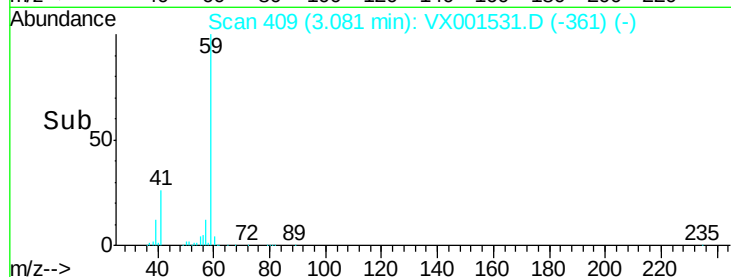
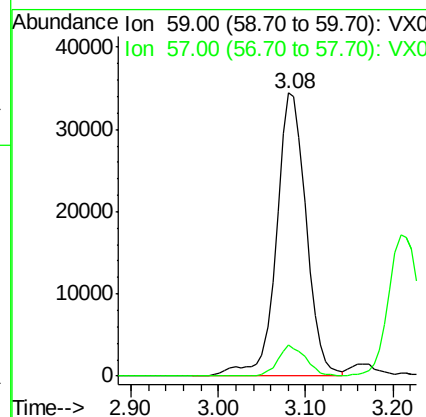
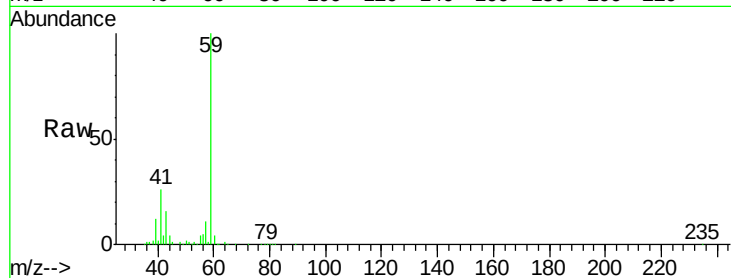
#11
Tert butyl alcohol
Concen: 119.94 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion: 59 Resp: 82058
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

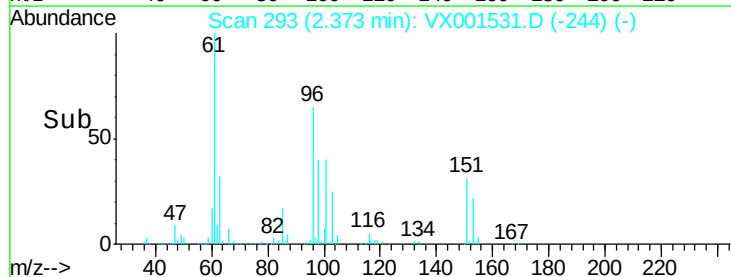
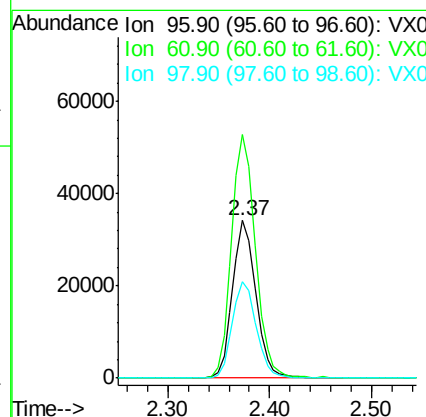
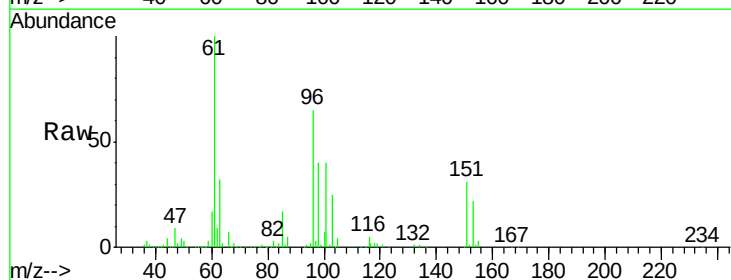
Manual Integrations
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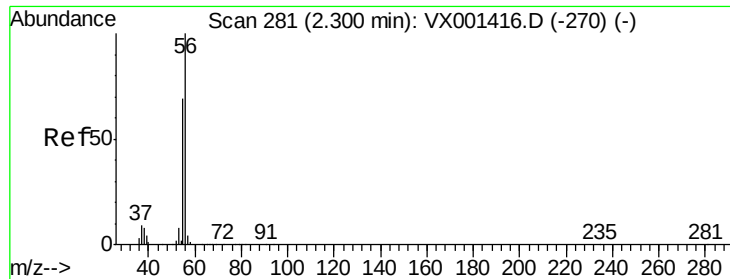
MMDadoda
5/10/2018 1:11:29 PM



#12
1,1-Dichloroethene
Concen: 21.68 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion: 96 Resp: 54163
Ion Ratio Lower Upper
96 100
61 154.5 125.7 188.5
98 61.5 52.0 78.0





#13

Acrolein

Concen: 100.56 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 56 Resp: 14503

Ion Ratio Lower Upper

56 100

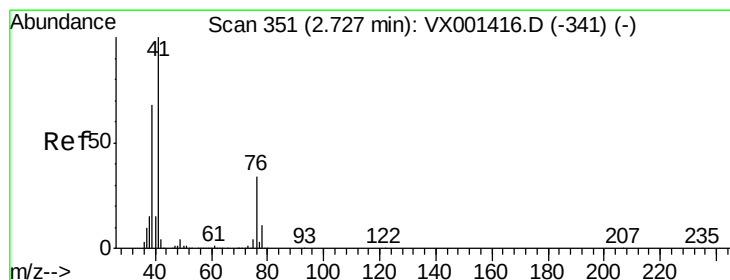
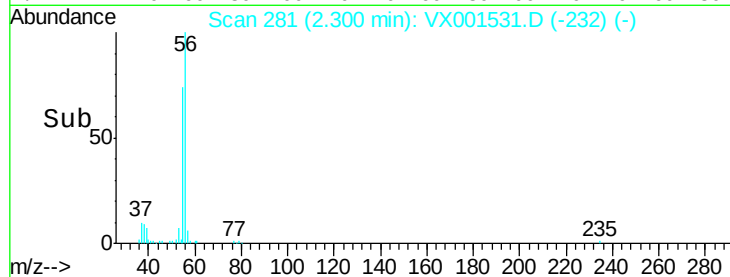
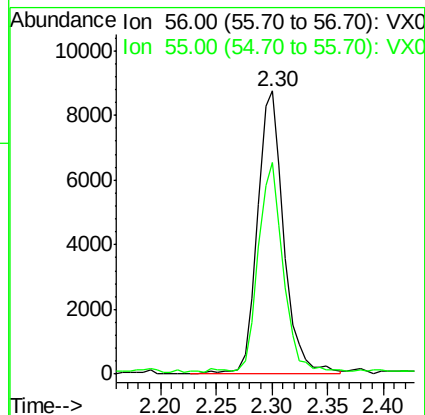
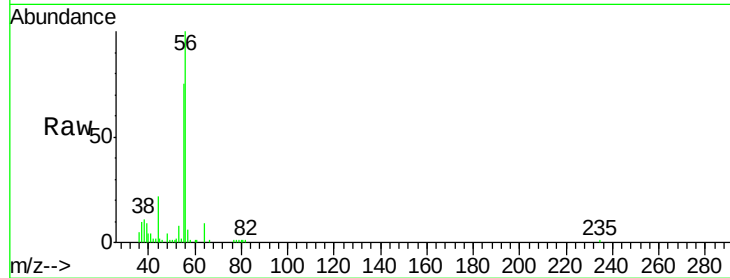
55 67.6 54.5 81.7

Manual Integrations

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5/10/2018 1:11:29 PM



#14

Allyl chloride

Concen: 21.07 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

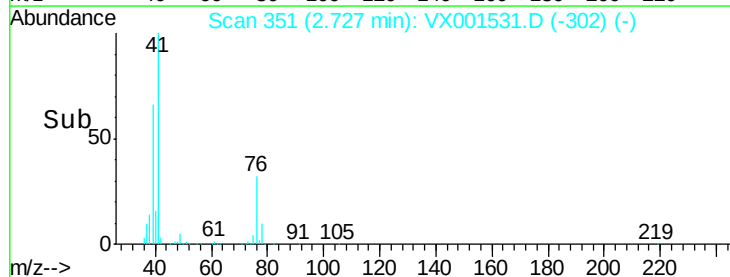
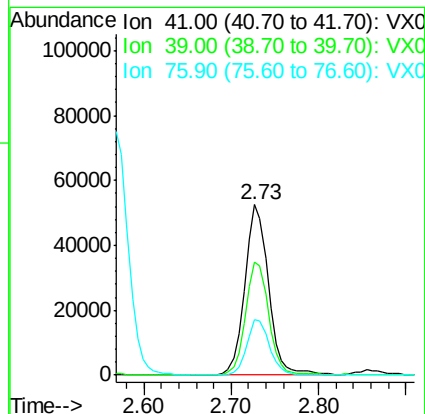
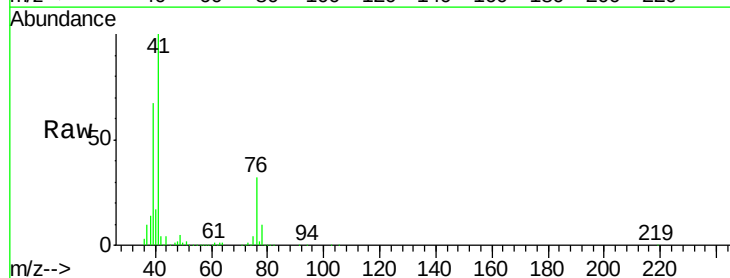
Tgt Ion: 41 Resp: 98137

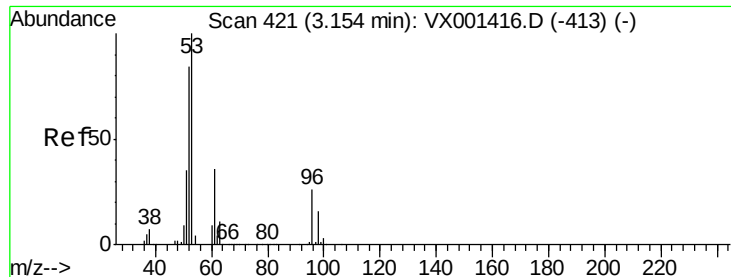
Ion Ratio Lower Upper

41 100

39 65.2 52.4 78.6

76 31.1 25.8 38.6





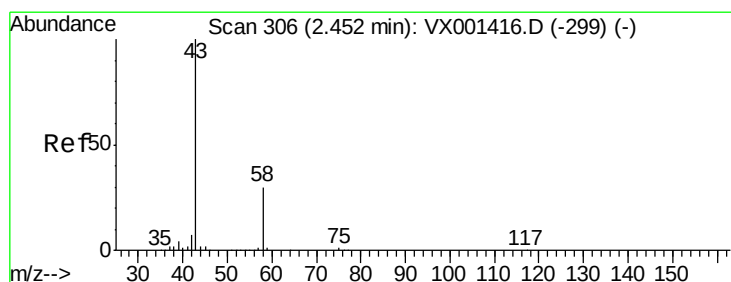
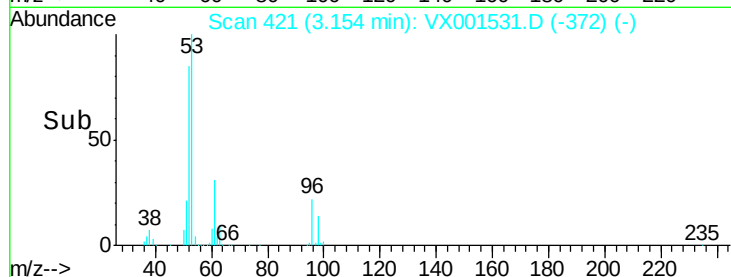
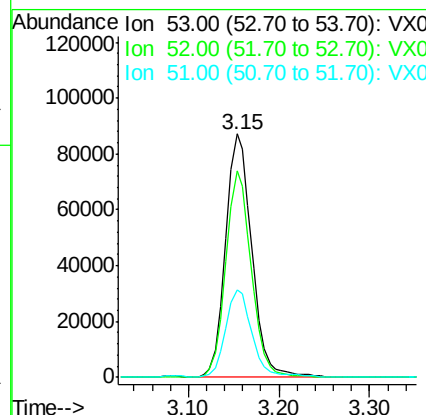
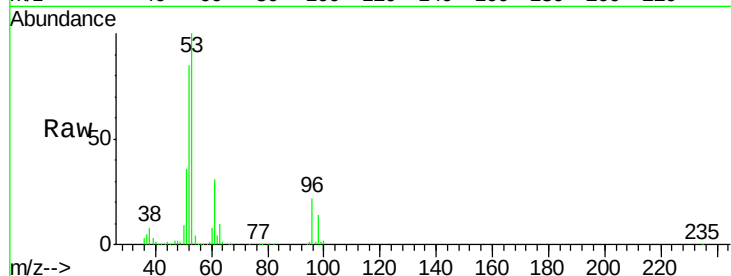
#15
 Acrylonitrile
 Concen: 112.92 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.6	28.6	43.0

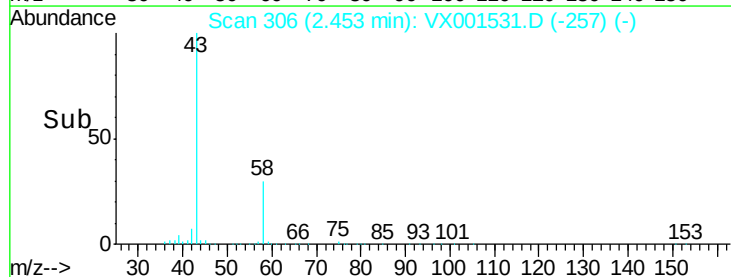
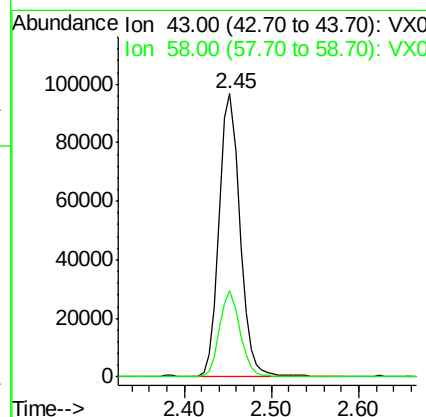
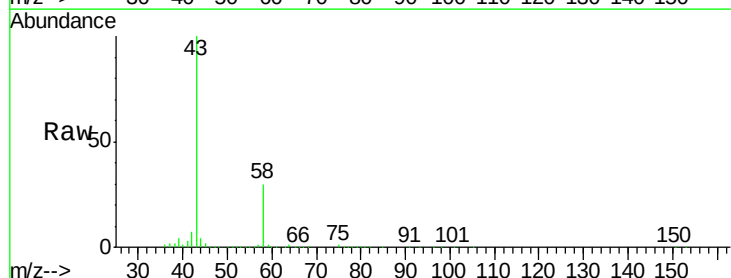
Manual Integrations
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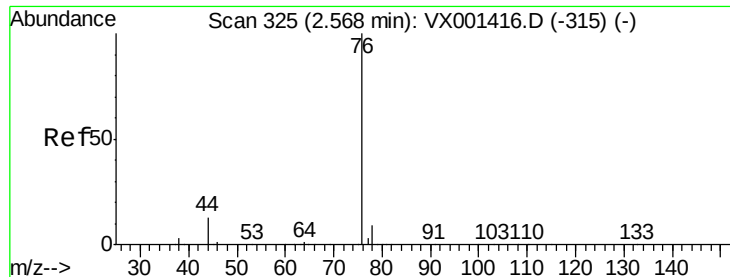
MMDadoda
 5/10/2018 1:11:29 PM



#16
 Acetone
 Concen: 108.64 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.8	35.8





#17

Carbon Disulfide

Concen: 19.63 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 76 Resp: 124778

Ion Ratio Lower Upper

76 100

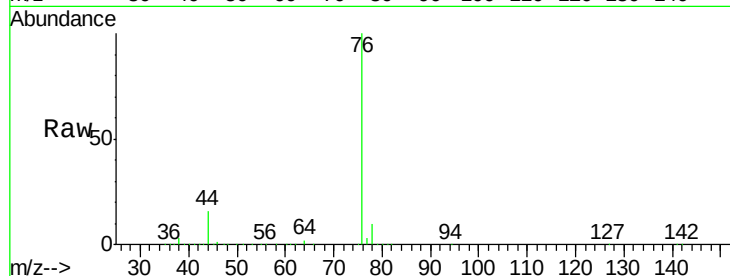
78 9.5 7.4 11.2

Manual Integrations

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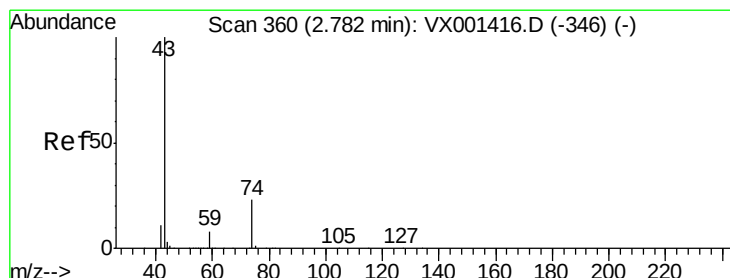
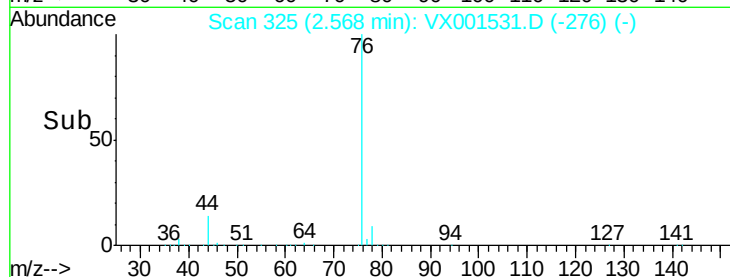
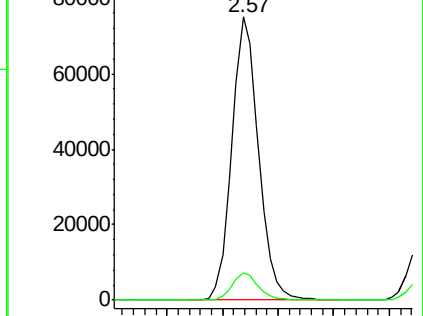
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.23 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001531.D

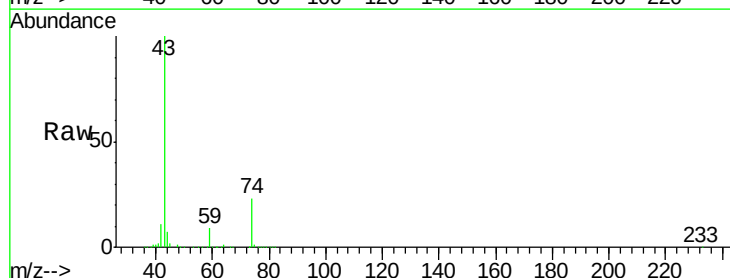
Acq: 08 May 2018 23:48

Tgt Ion: 43 Resp: 93810

Ion Ratio Lower Upper

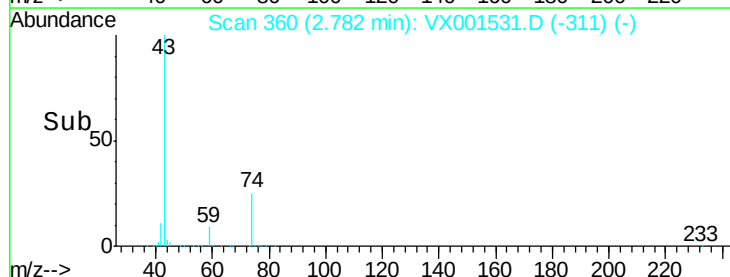
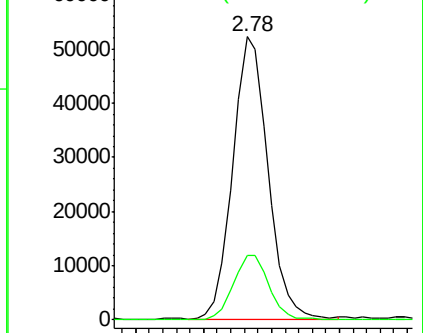
43 100

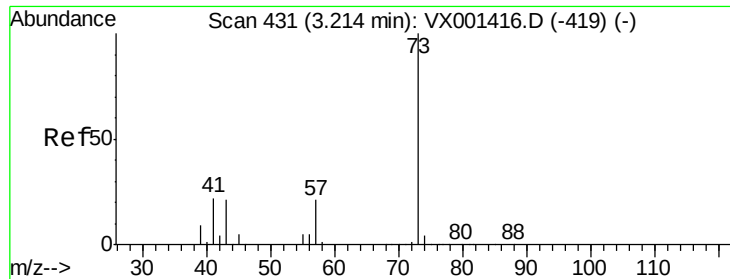
74 22.9 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





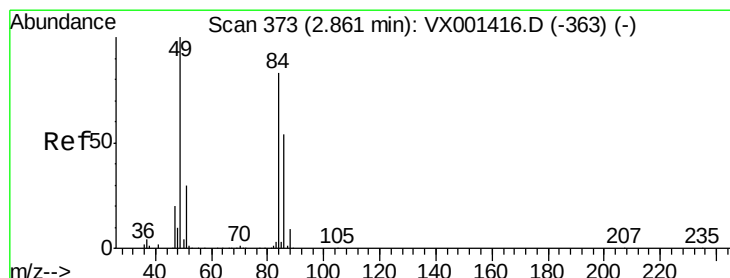
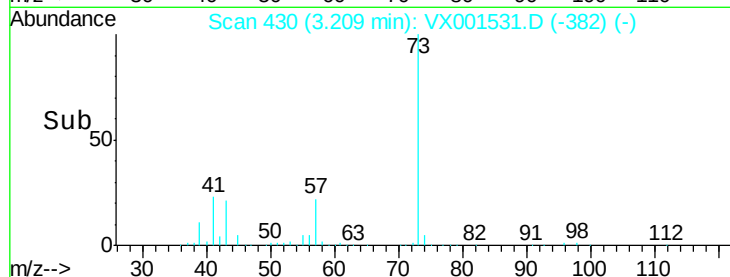
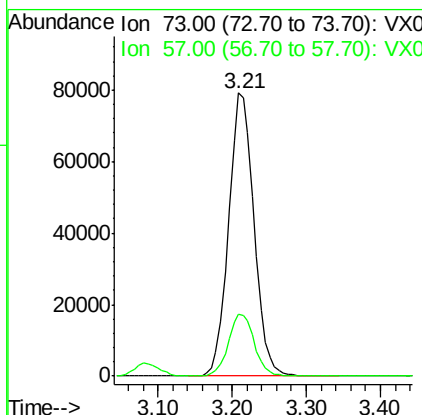
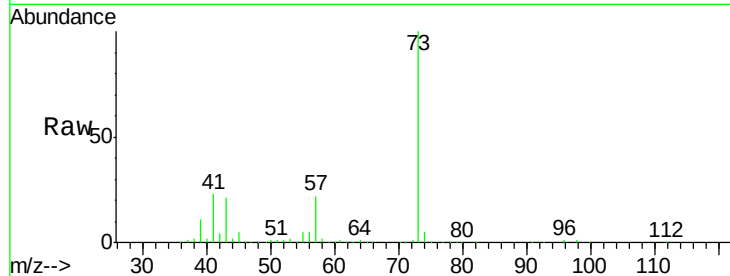
#19
Methyl tert-butyl Ether
Concen: 21.71 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion: 73 Resp: 188788
Ion Ratio Lower Upper
73 100
57 21.8 17.0 25.6

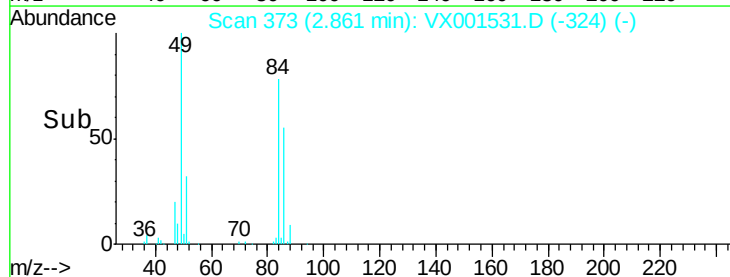
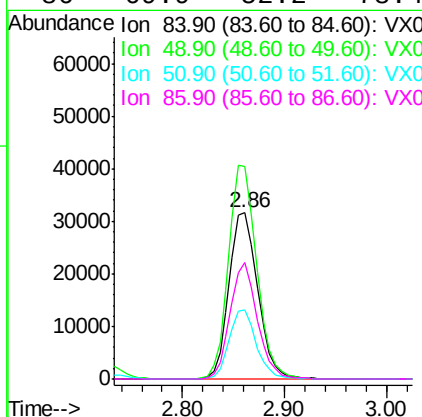
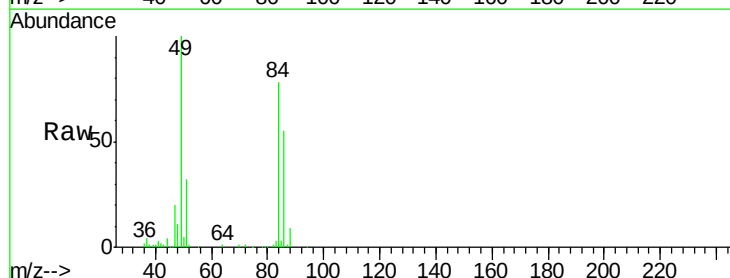
Manual Integrations
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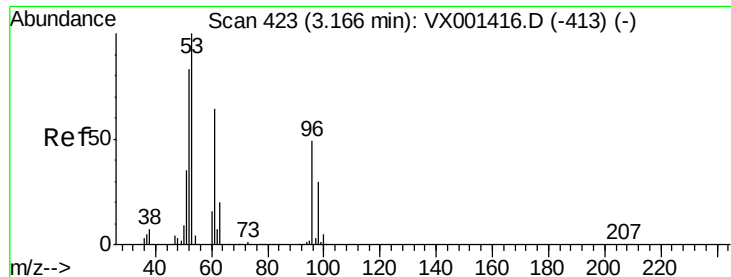
MMDadoda
5/10/2018 1:11:29 PM



#20
Methylene Chloride
Concen: 21.18 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion: 84 Resp: 61786
Ion Ratio Lower Upper
84 100
49 127.7 96.6 144.8
51 41.1 29.0 43.4
86 69.9 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.89 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

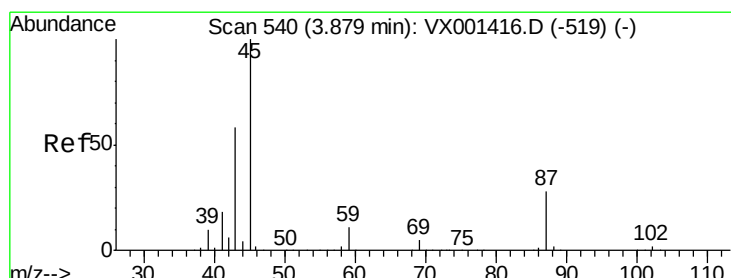
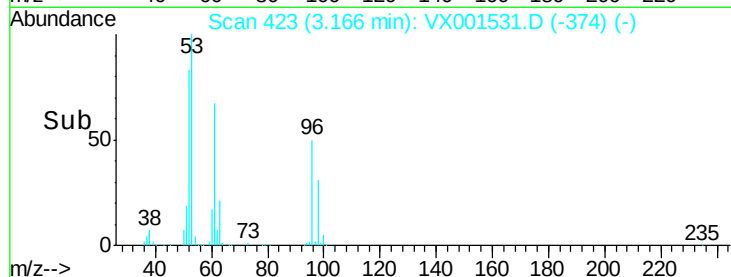
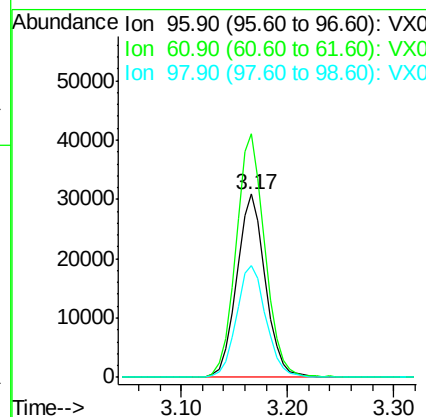
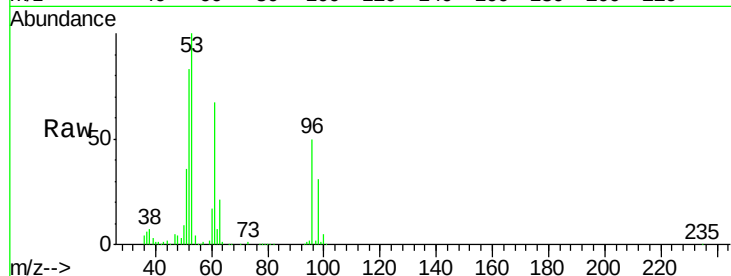
ClientSampleId :

VX0508WBS02

Tot Ion:	96	Resp:	58252
Ion	Ratio	Lower	Upper
96	100		
61	132.9	105.0	157.4
98	61.1	49.9	74.9

Manual Integrations
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5/10/2018 1:11:29 PM



#22

Diisopropyl ether

Concen: 20.79 ug/l

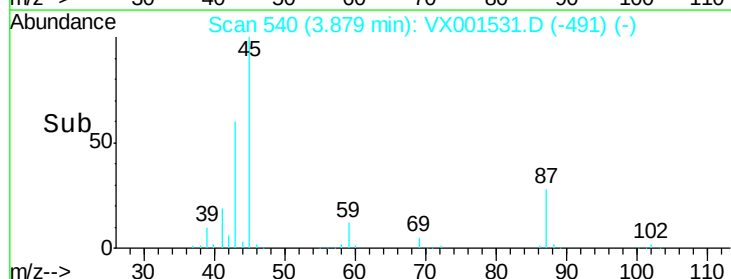
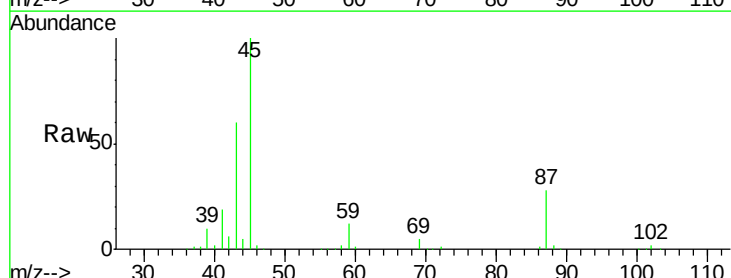
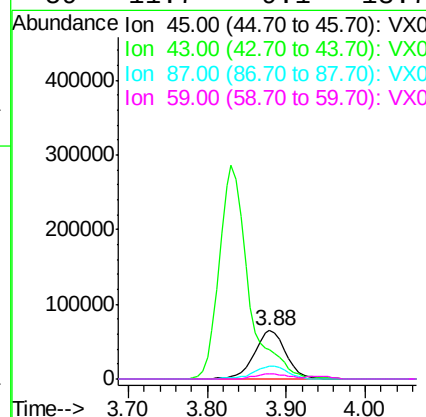
RT: 3.88 min Scan# 540

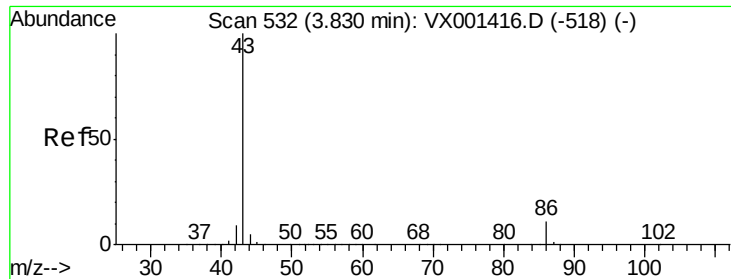
Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Tgt Ion:	45	Resp:	180893
Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.5	69.7
87	27.9	22.6	34.0
59	11.7	9.1	13.7





#23

Vinyl Acetate

Concen: 102.21 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 43 Resp: 741263

Ion Ratio Lower Upper

43 100

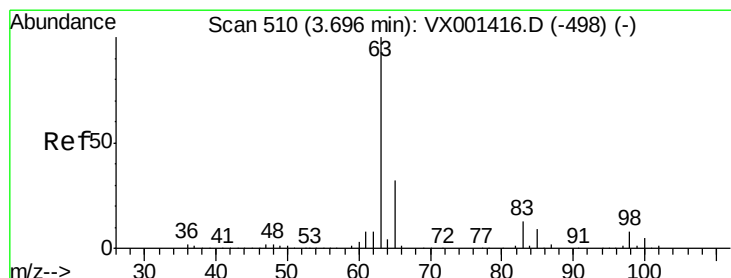
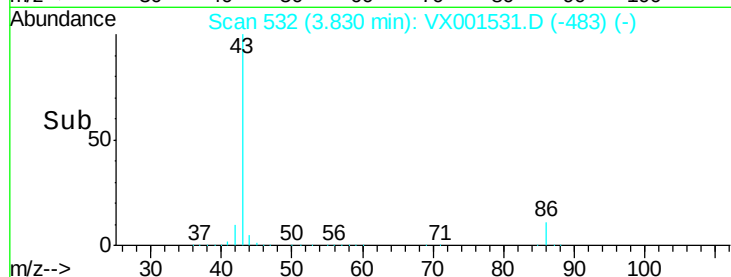
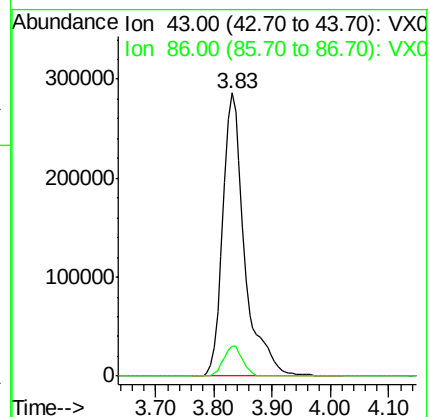
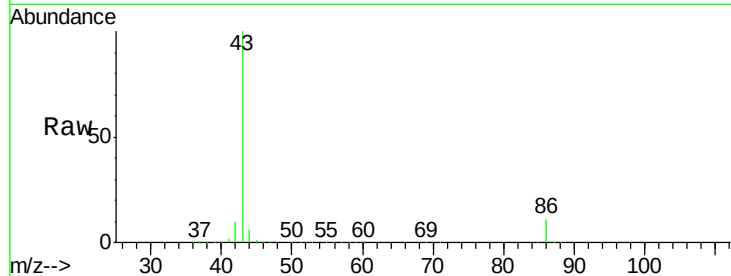
86 10.7 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.30 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

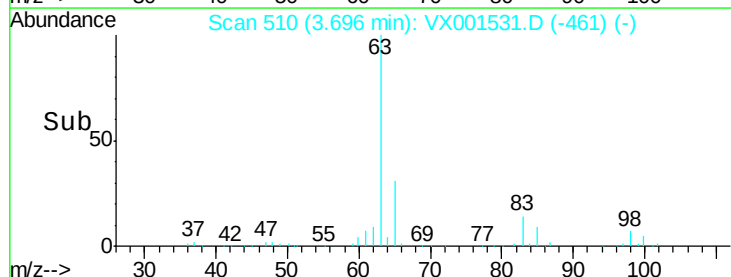
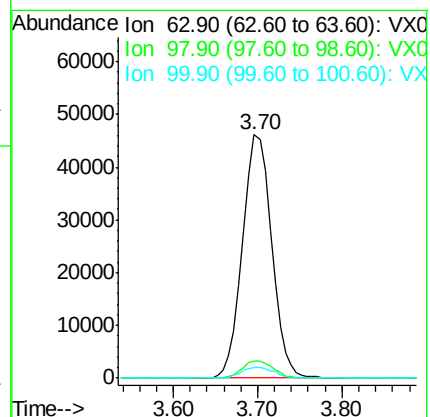
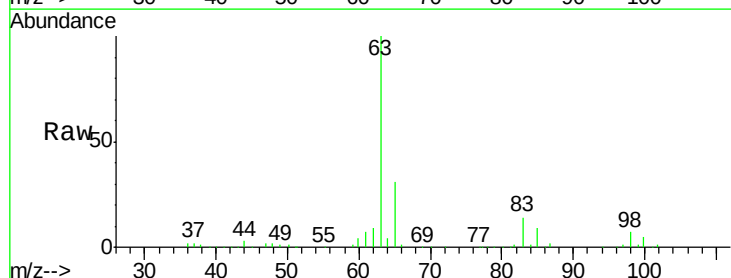
Tgt Ion: 63 Resp: 108418

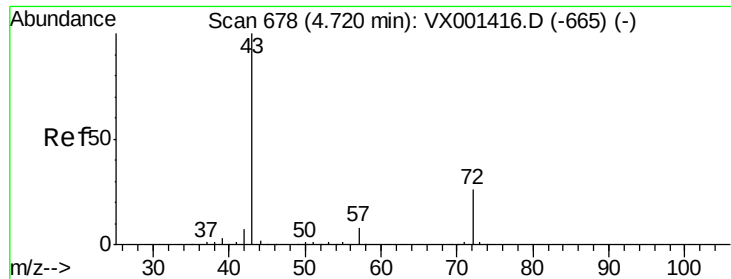
Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 109.28 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 43 Resp: 232744

Ion Ratio Lower Upper

43 100

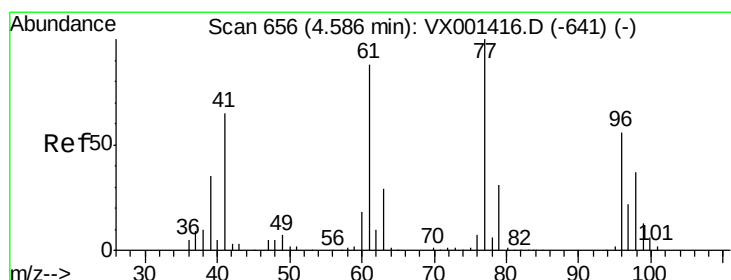
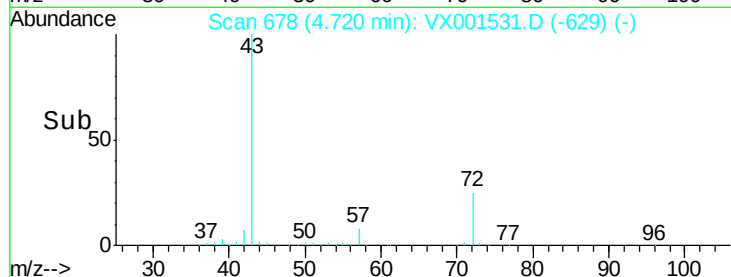
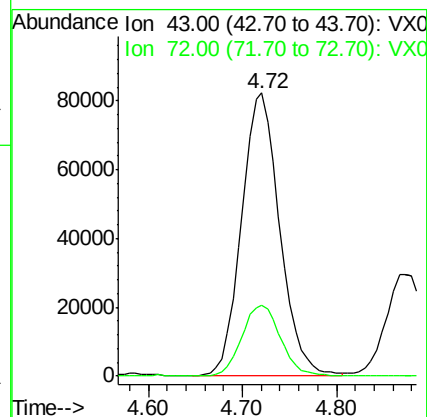
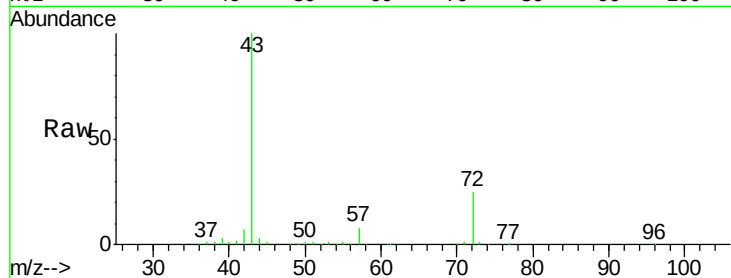
72 24.8 20.7 31.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.90 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001531.D

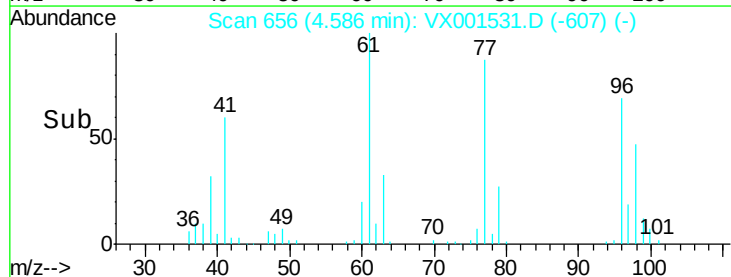
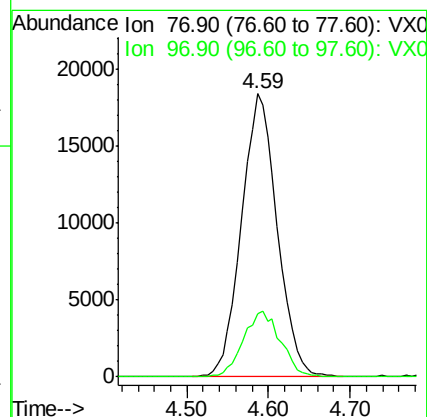
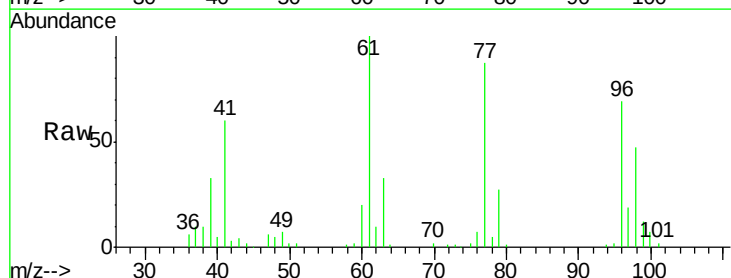
Acq: 08 May 2018 23:48

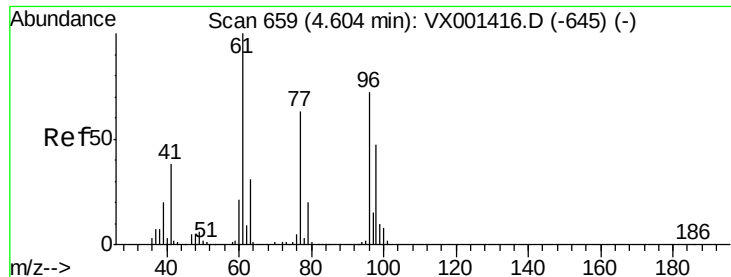
Tgt Ion: 77 Resp: 55934

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.6





#27

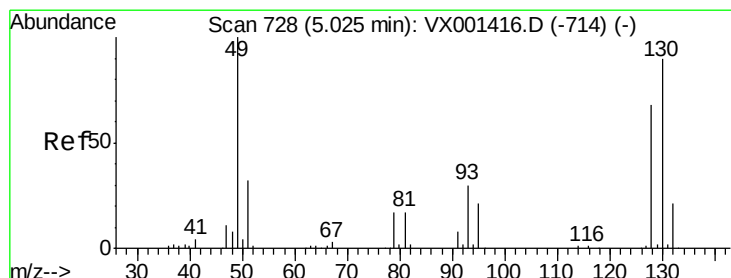
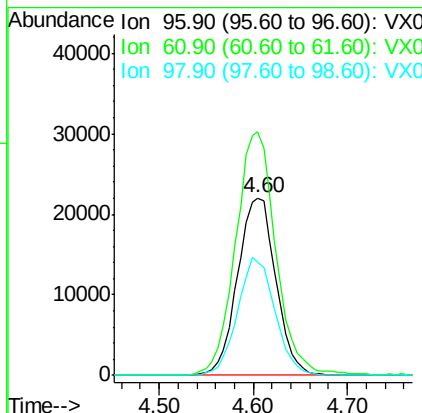
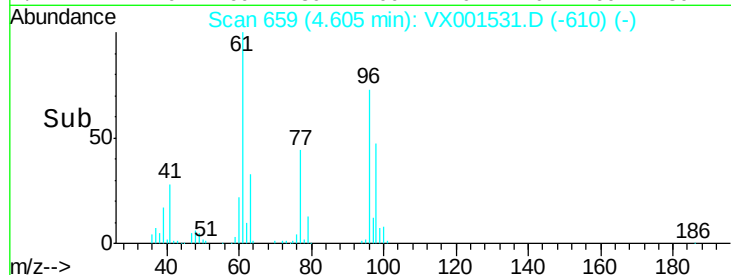
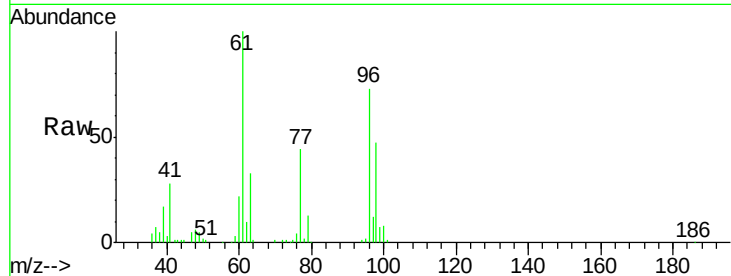
cis-1,2-Dichloroethene
Concen: 21.10 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	301.6
98	64.6	0.0	131.6

Manual Integrations
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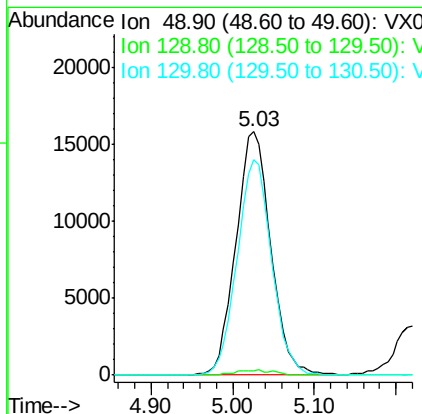
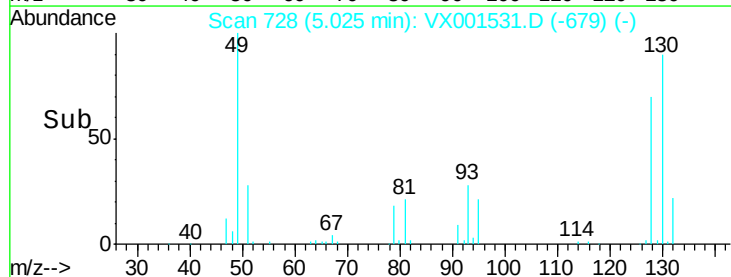
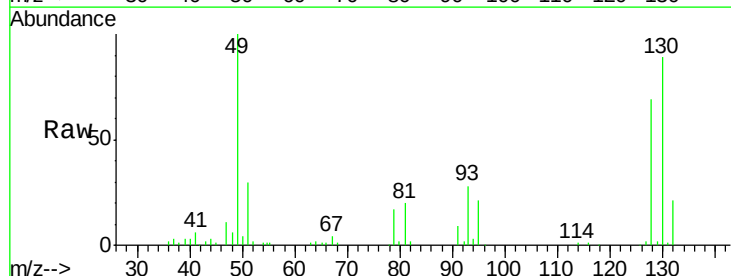
MMDadoda
5/10/2018 1:11:29 PM

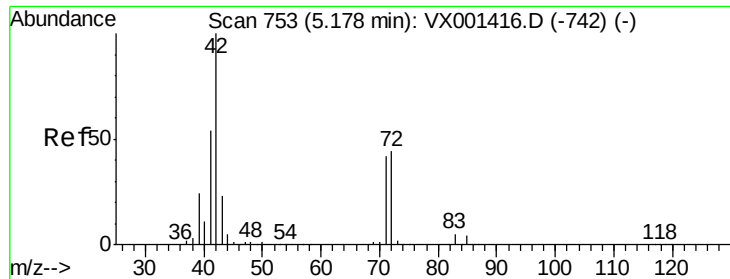


#28

Bromochloromethane
Concen: 22.24 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	87.3	71.9	107.9





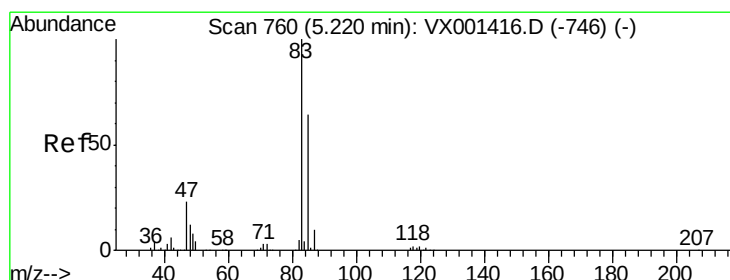
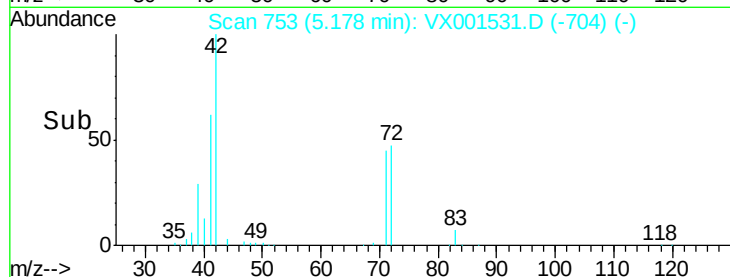
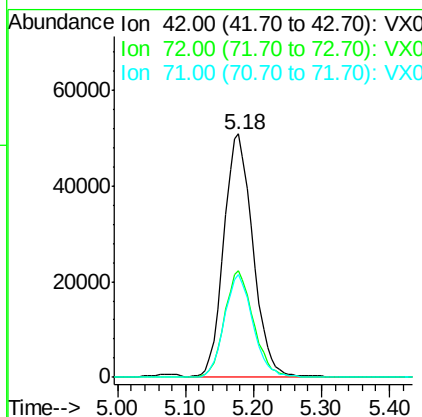
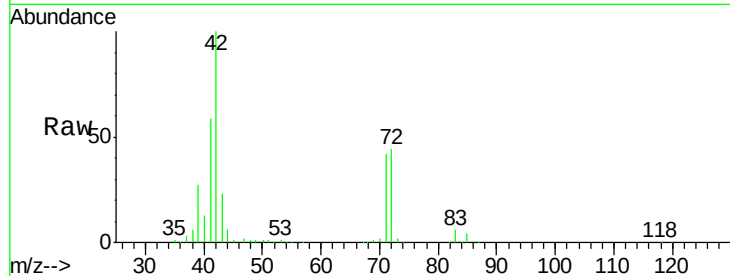
#29
Tetrahydrofuran
Concen: 110.67 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.4	53.2
71	41.3	33.0	49.4

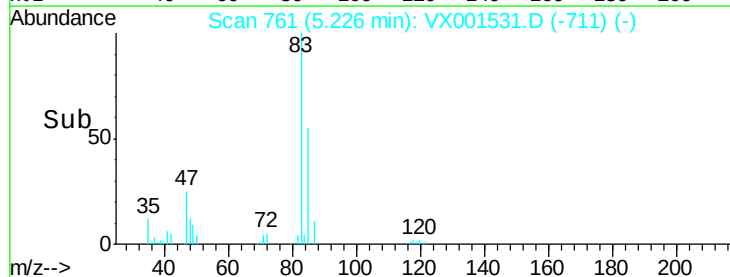
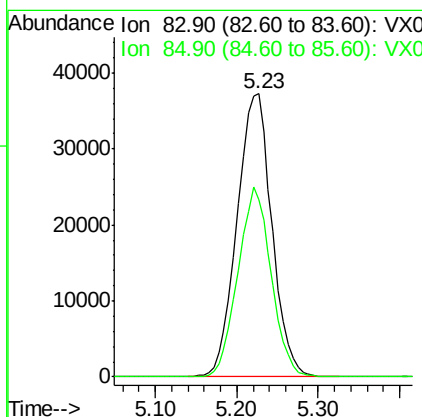
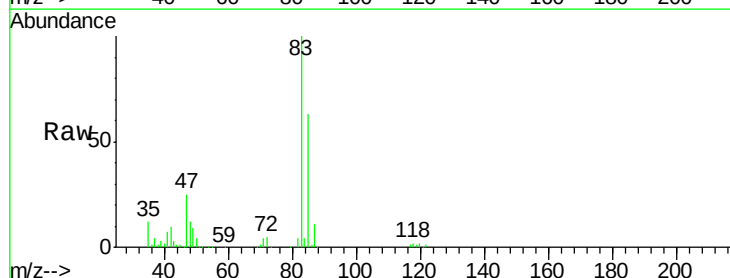
Manual Integrations
APPROVED

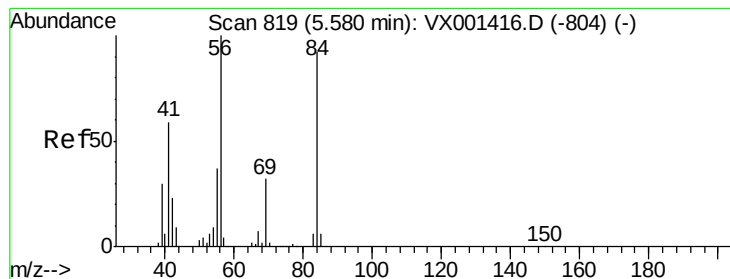
MMDadoda
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#30
Chloroform
Concen: 22.08 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.4





#31

Cyclohexane

Concen: 20.37 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

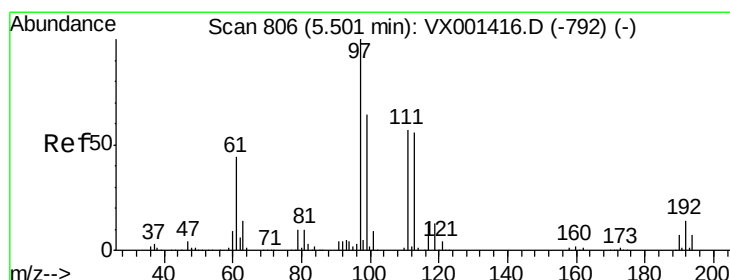
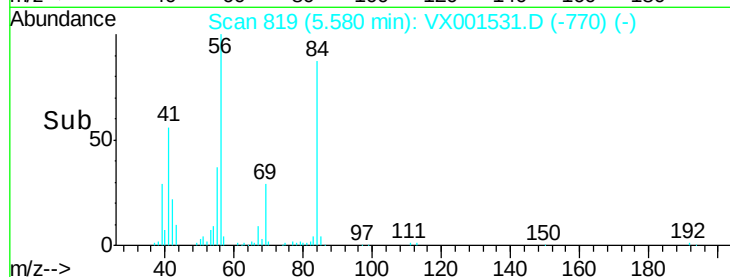
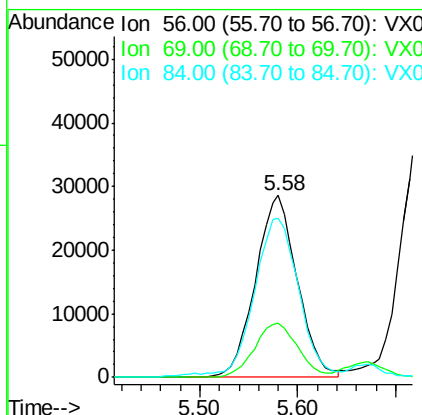
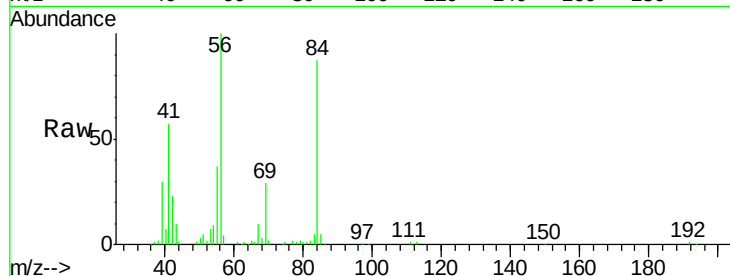
ClientSampleId :

VX0508WBS02

Tot Ion:	56	Resp:	85042
Ion	Ratio	Lower	Upper
56	100		
69	29.1	25.4	38.0
84	85.8	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.72 ug/l

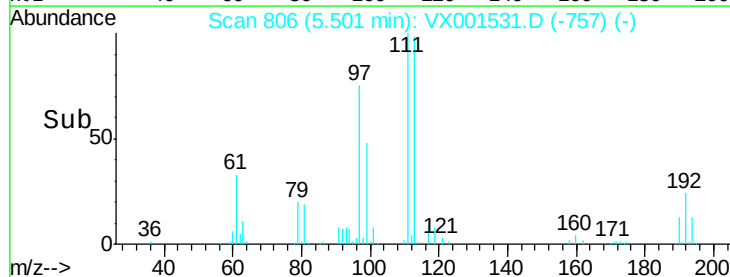
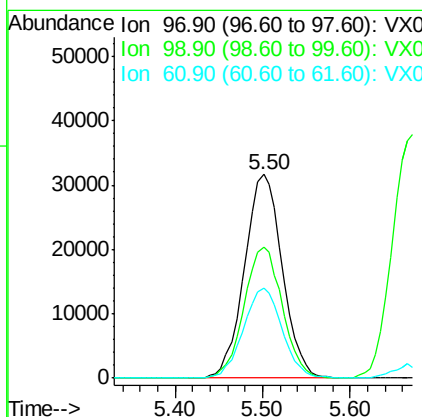
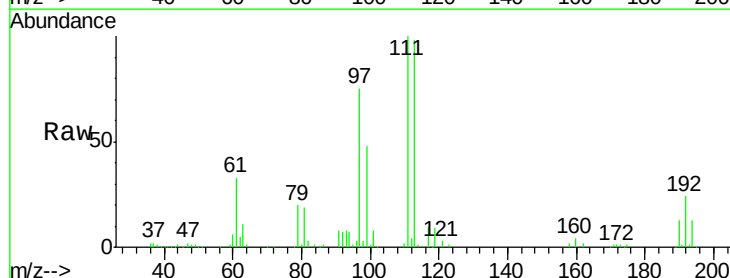
RT: 5.50 min Scan# 806

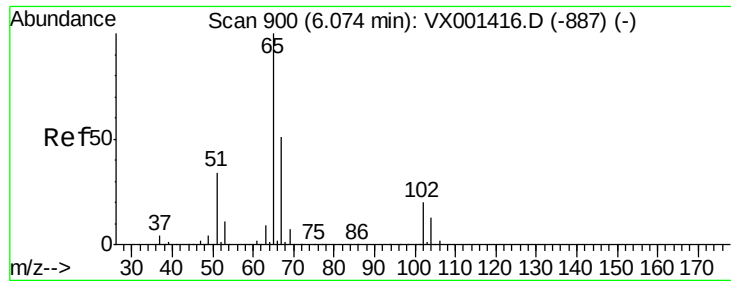
Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Tgt Ion:	97	Resp:	95060
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	45.3	34.8	52.2





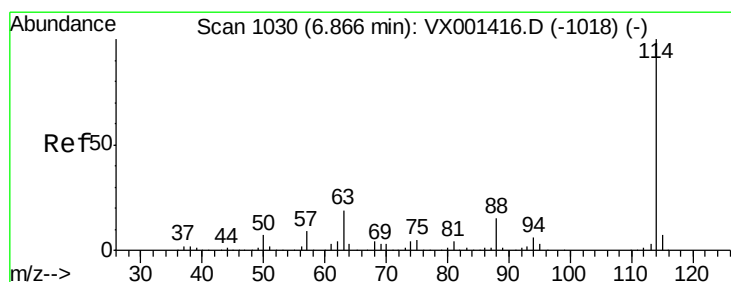
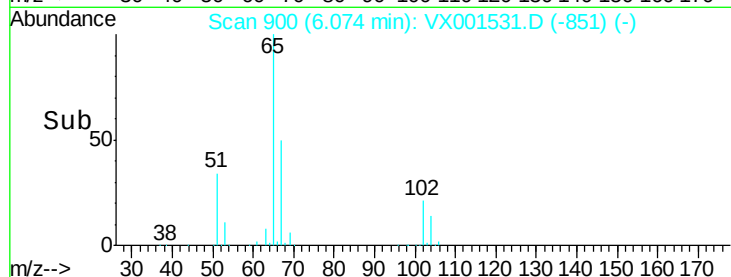
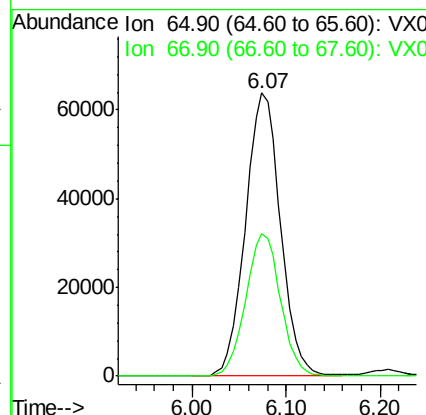
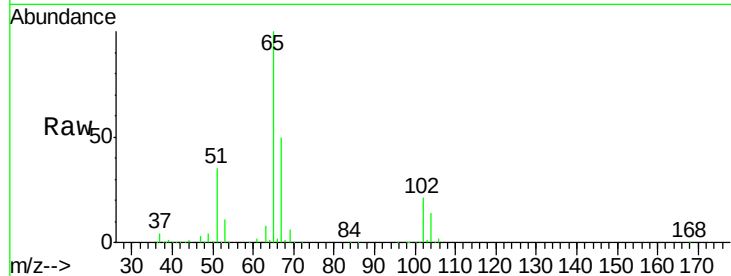
#33
 1,2-Dichloroethane-d4
 Concen: 51.24 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166252		
67	49.9	0.0	101.8	

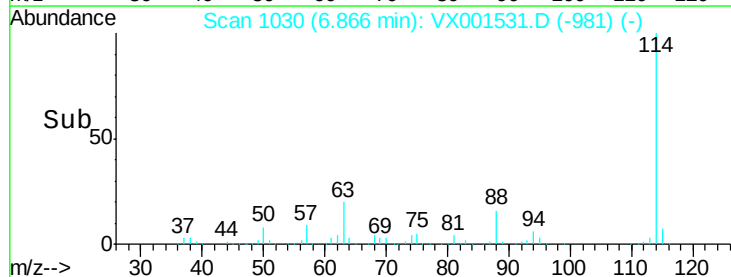
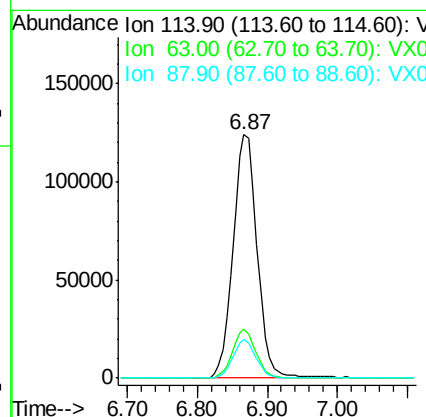
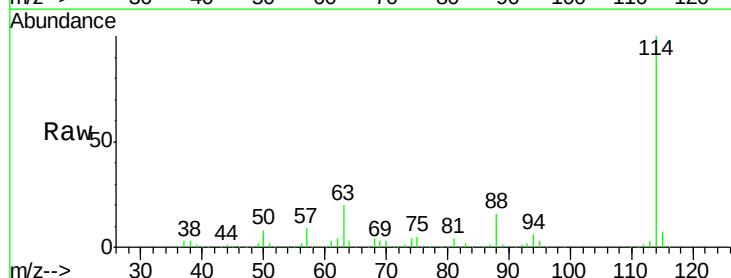
Manual Integrations
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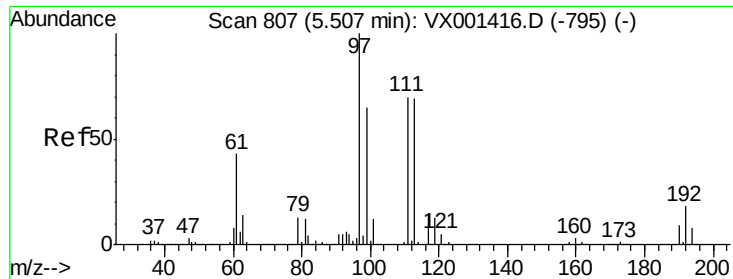
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	297205		
63	20.1	0.0	38.6	
88	16.0	0.0	30.8	





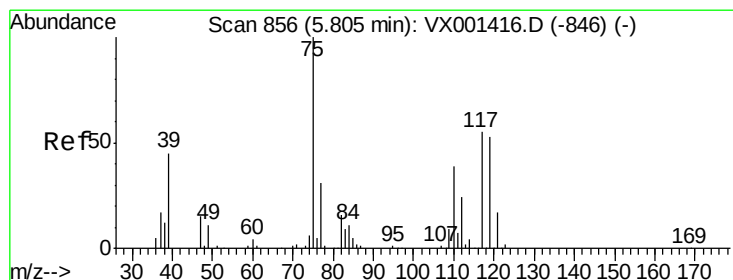
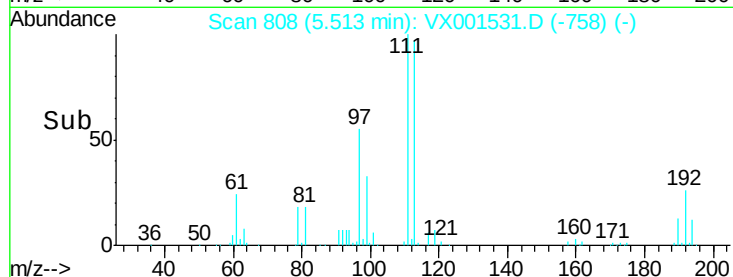
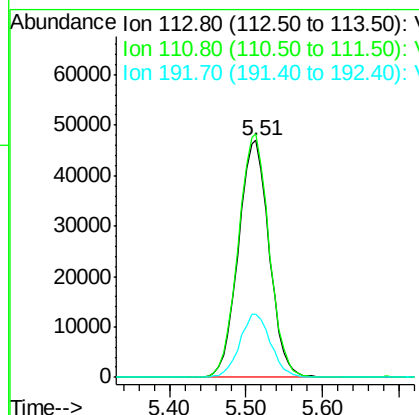
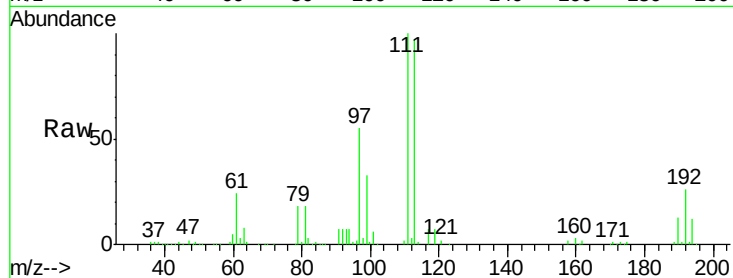
#35
 Dibromofluoromethane
 Concen: 49.70 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131385		
111	103.0	82.2	123.2	
192	26.7	21.4	32.0	

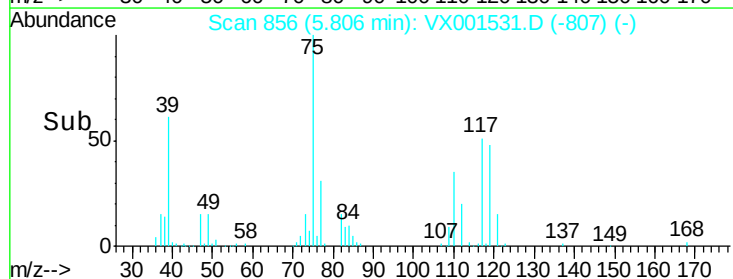
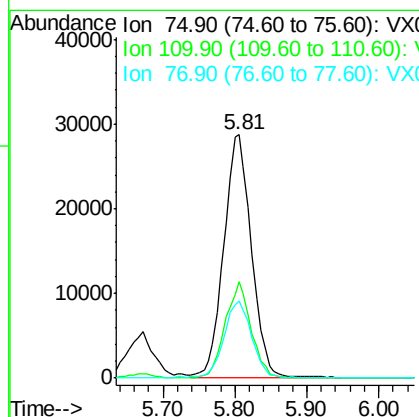
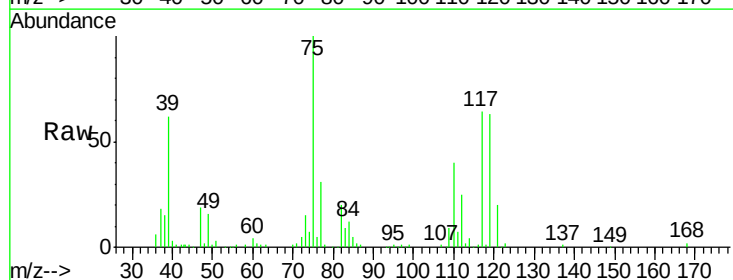
Manual Integrations
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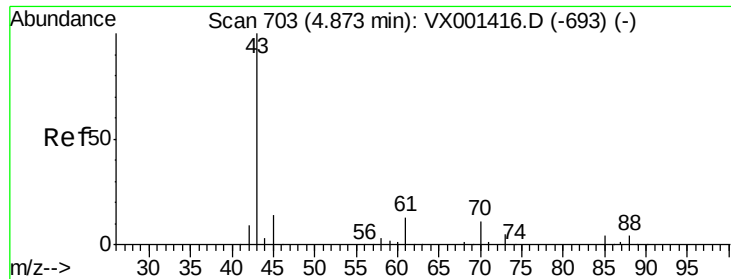
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.14 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76128		
110	37.3	18.9	56.7	
77	32.5	24.9	37.3	





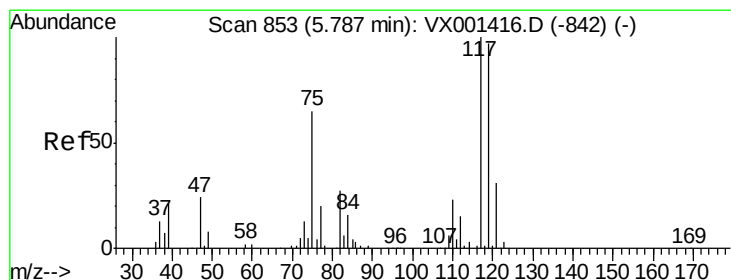
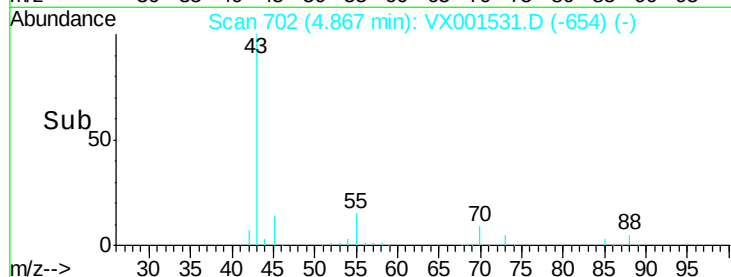
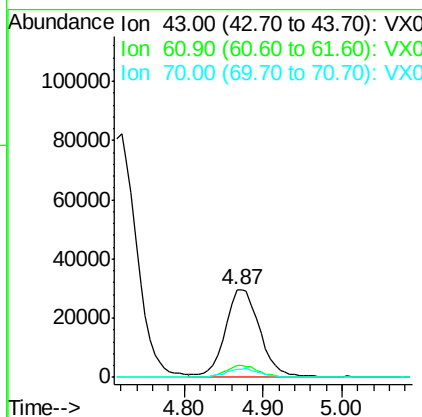
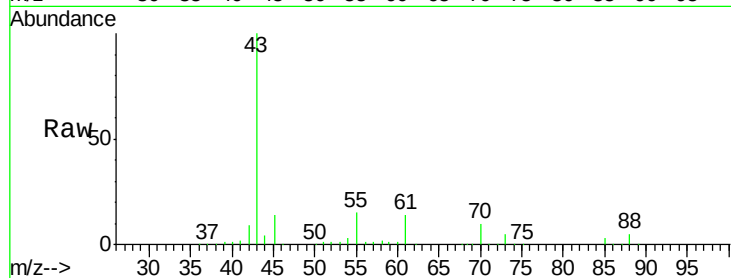
#37
Ethyl Acetate
Concen: 21.58 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.9	8.4	12.6

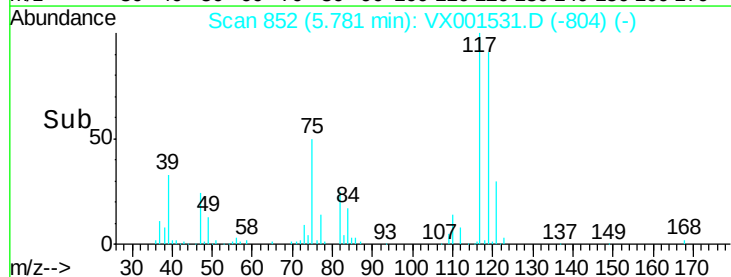
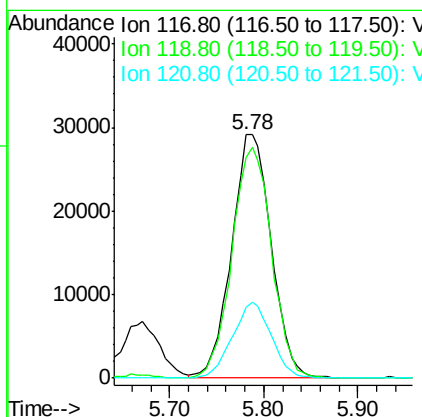
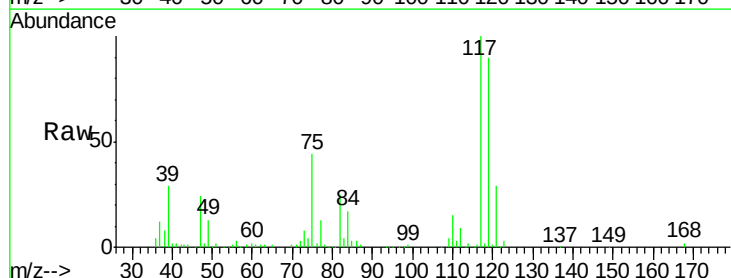
Manual Integrations
APPROVED

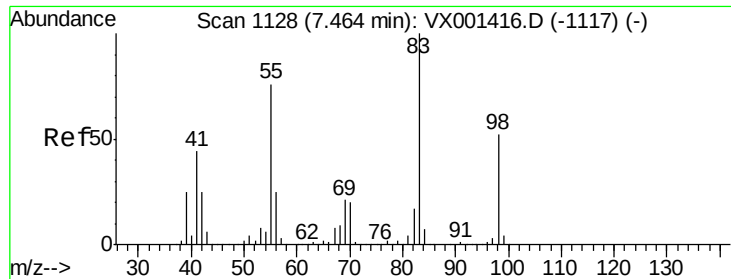
MMDadoda
5/10/2018 1:11:29 PM



#38
Carbon Tetrachloride
Concen: 21.26 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	77.0	115.6
121	29.3	25.1	37.7





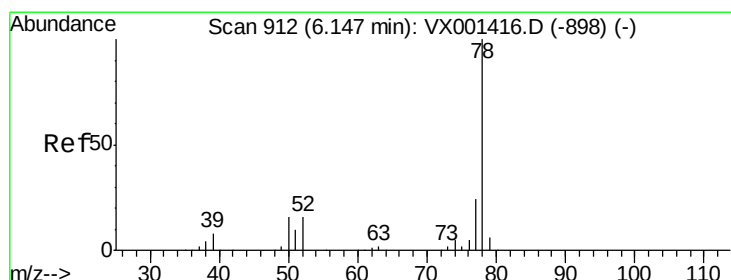
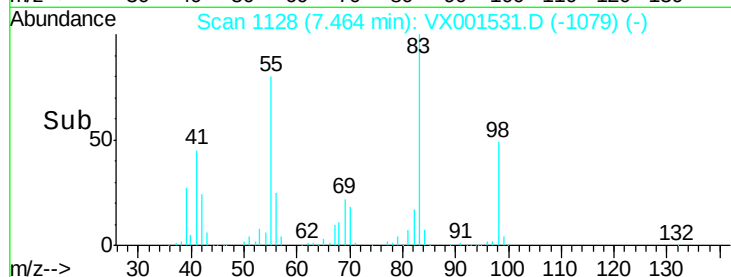
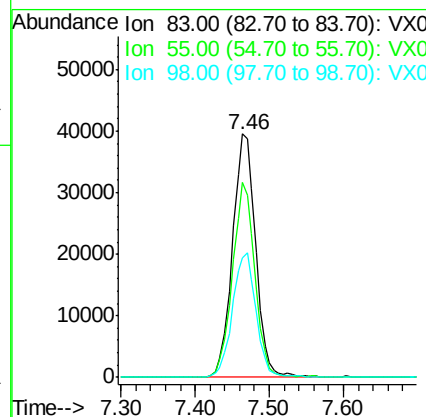
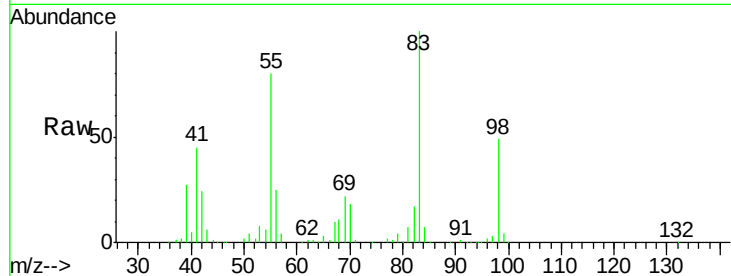
#39
Methylvlcyclohexane
Concen: 19.34 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	60.9	91.3
98	49.2	41.9	62.9

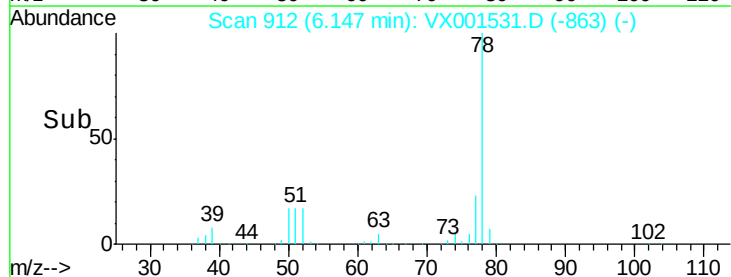
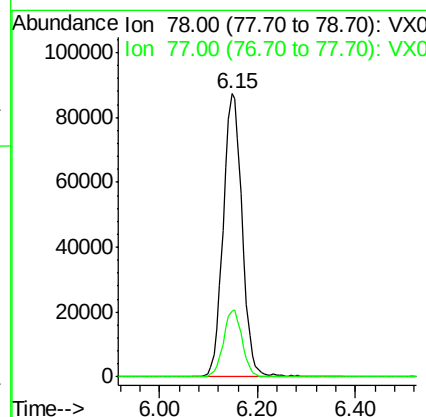
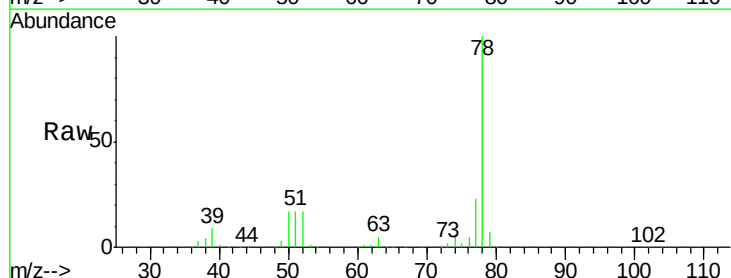
Manual Integrations
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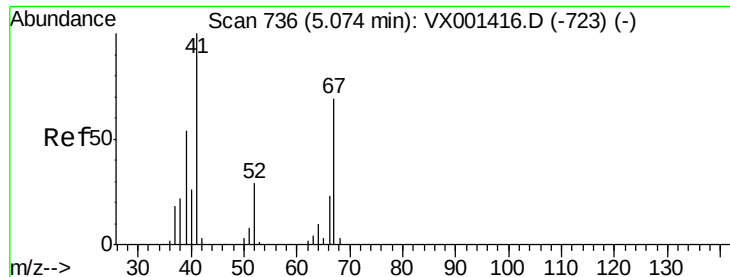
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#40
Benzene
Concen: 21.25 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.4	29.2





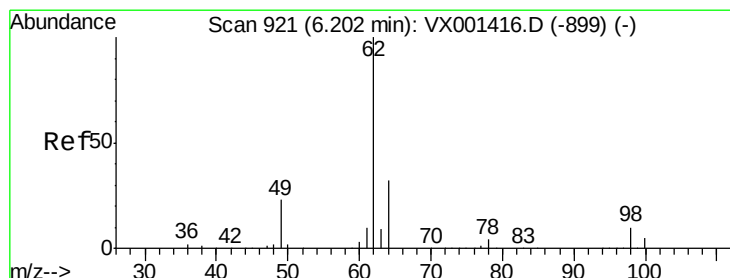
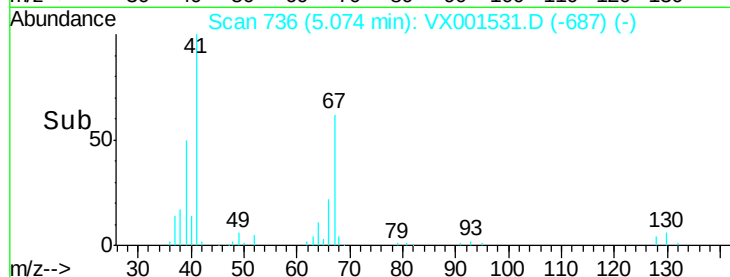
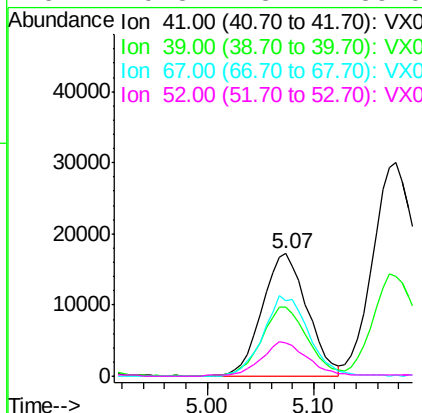
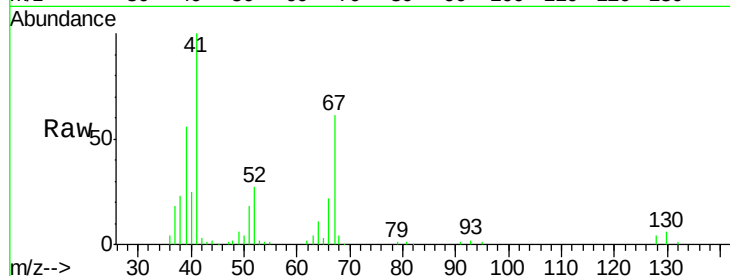
#41
Methacrylonitrile
Concen: 21.20 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		50273		
39	57.4	45.0	67.6		
67	66.1	55.0	82.6		
52	29.8	23.4	35.0		

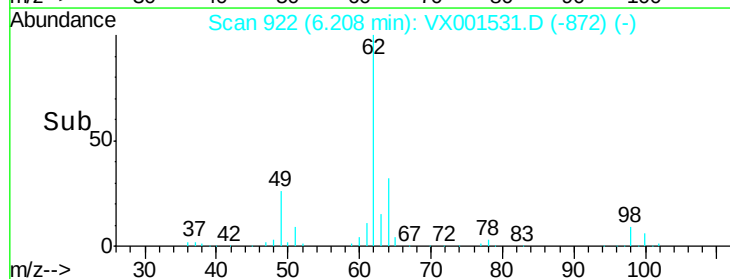
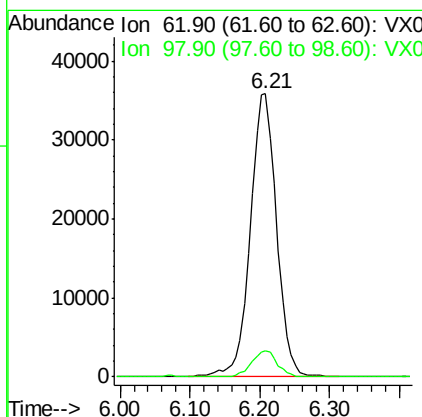
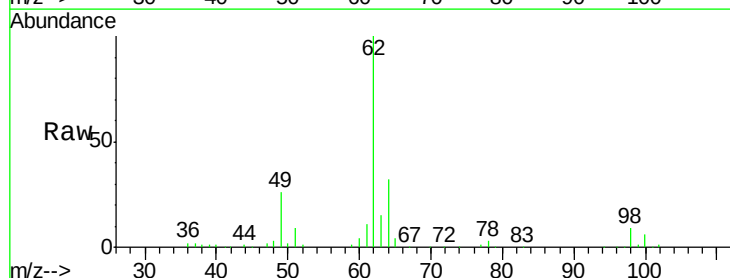
Manual Integrations
APPROVED

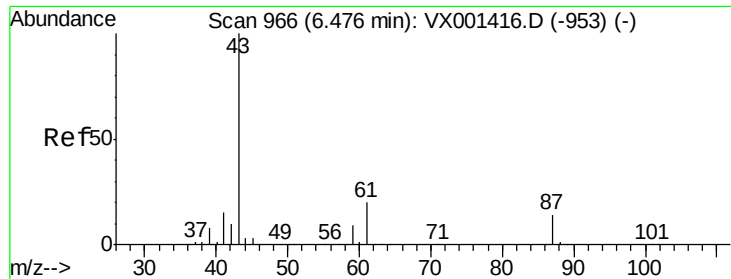
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#42
1,2-Dichloroethane
Concen: 22.01 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		93433		
98	9.1	0.0	19.0		





#43

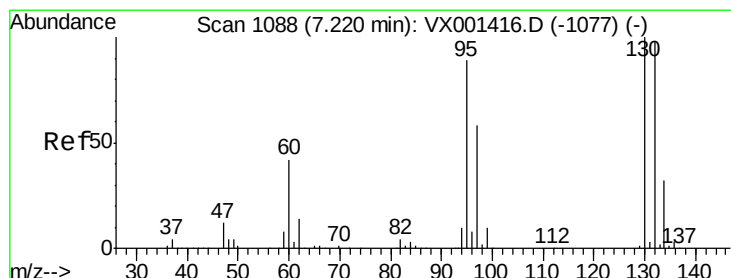
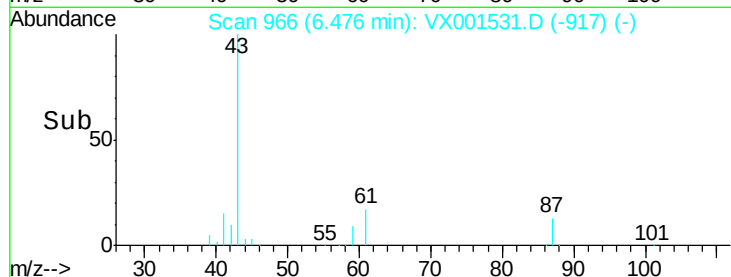
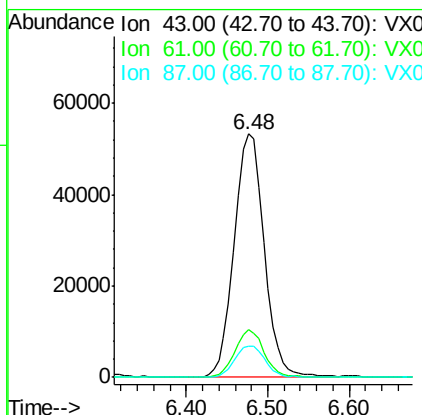
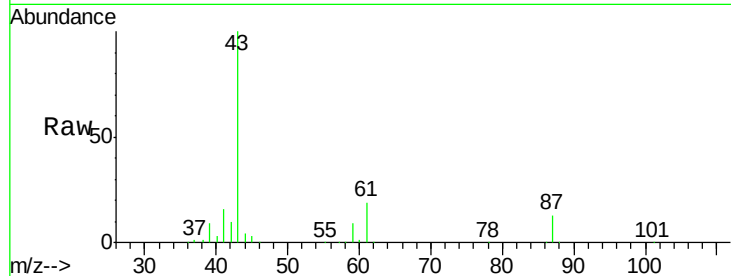
Isopropyl Acetate
 Concen: 21.23 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	13.1	10.8	16.2

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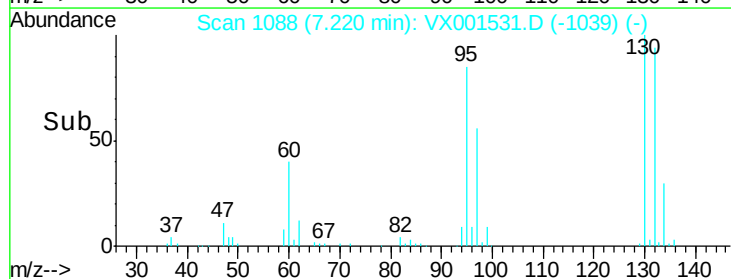
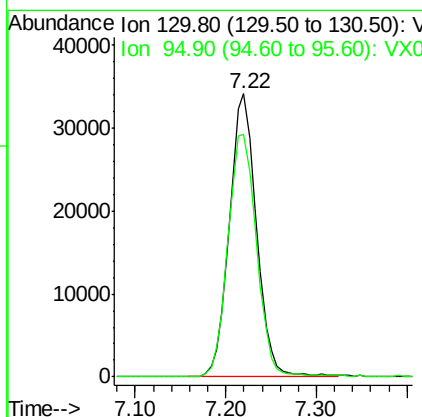
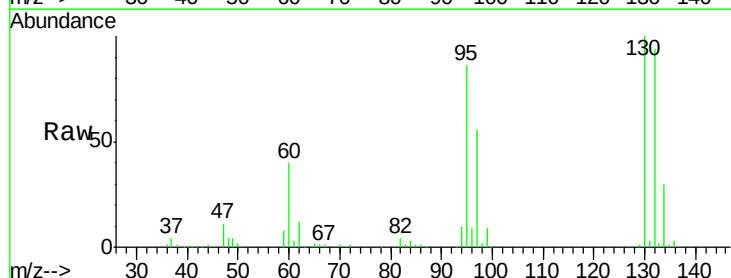
MMDadoda
 5/10/2018 1:11:29 PM

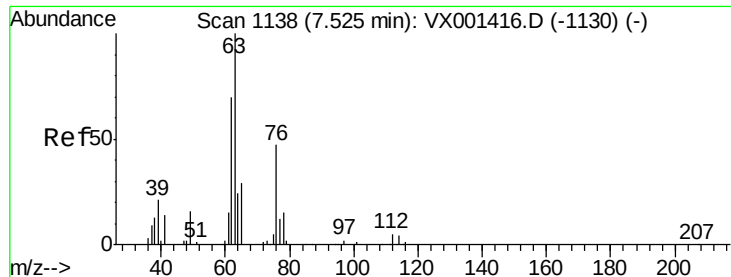


#44

Trichloroethene
 Concen: 21.09 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.6	0.0	178.4





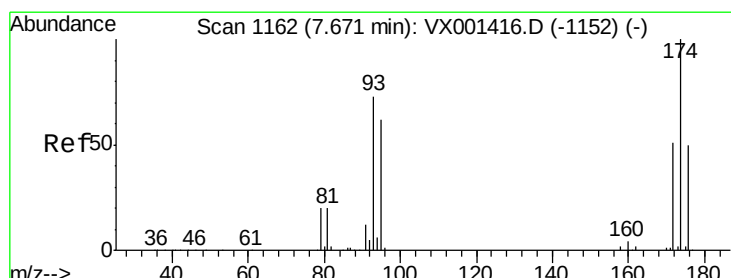
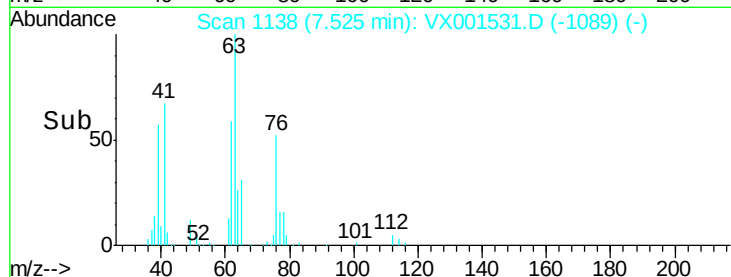
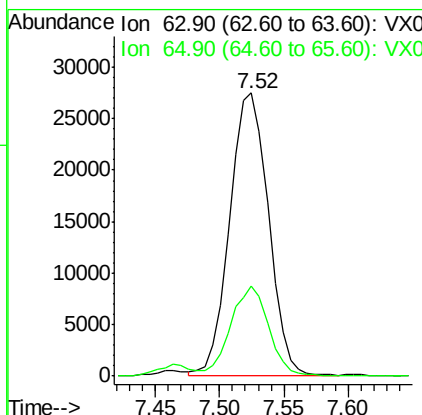
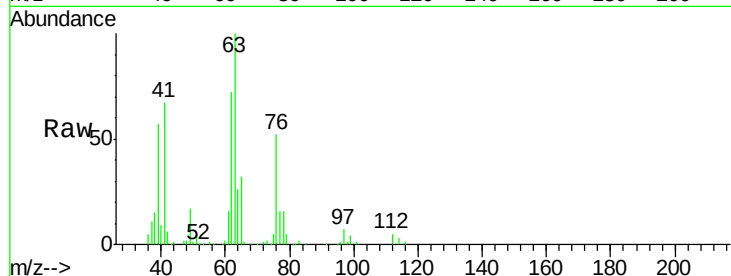
#45
 1,2-Dichloropropane
 Concen: 20.83 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion: 63 Resp: 57342
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.5 36.7

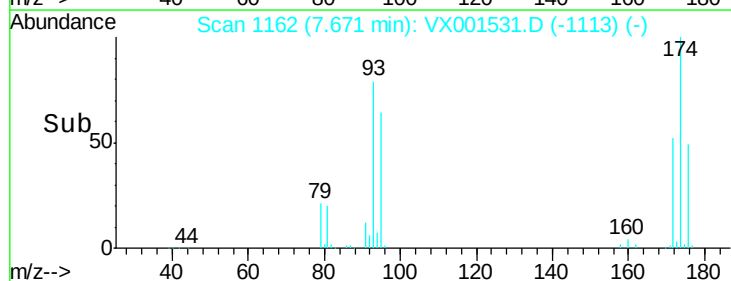
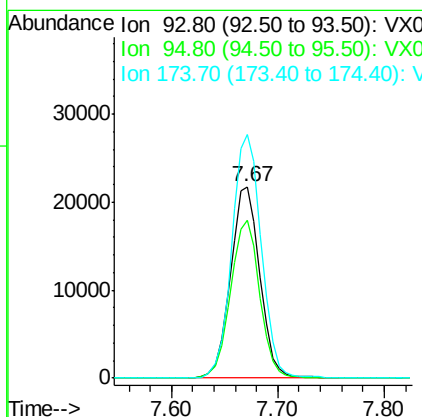
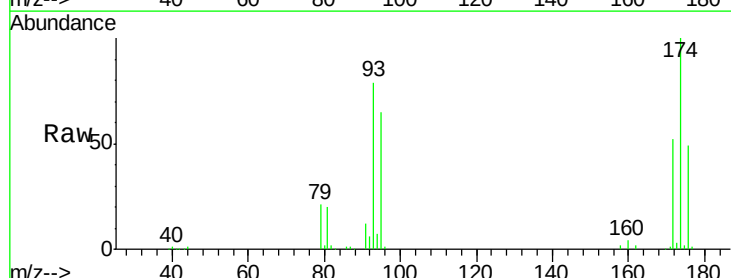
Manual Integrations
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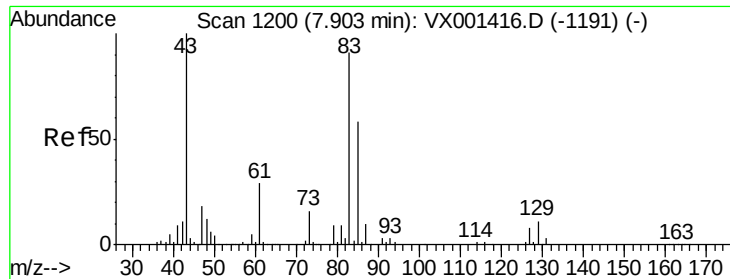
MMDadoda
 5/10/2018 1:11:29 PM



#46
 Dibromomethane
 Concen: 21.63 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion: 93 Resp: 42160
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.0 100.4
 174 127.4 104.5 156.7





#47

Bromodichloromethane

Concen: 21.45 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

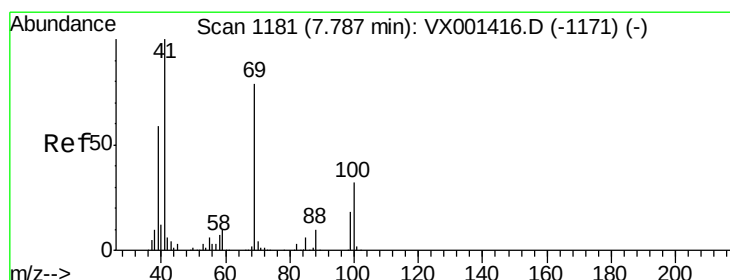
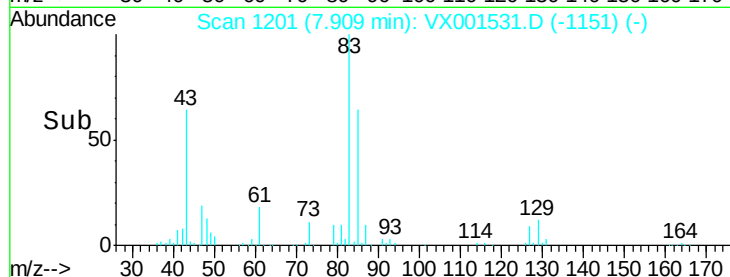
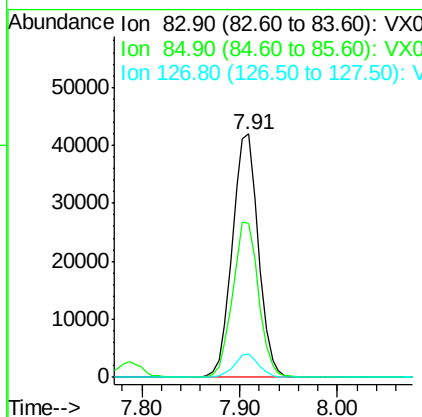
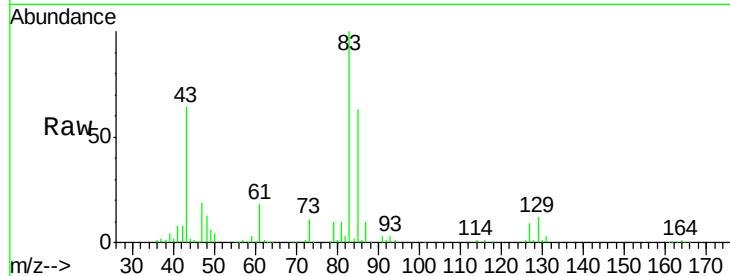
ClientSampleId :

VX0508WBS02

Tot Ion:	83	Resp:	77382
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.6
127	9.4	7.4	11.2

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 21.19 ug/l

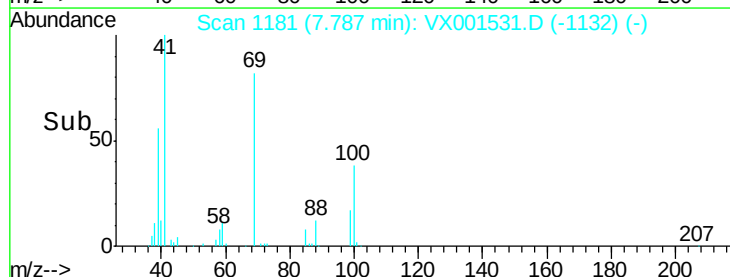
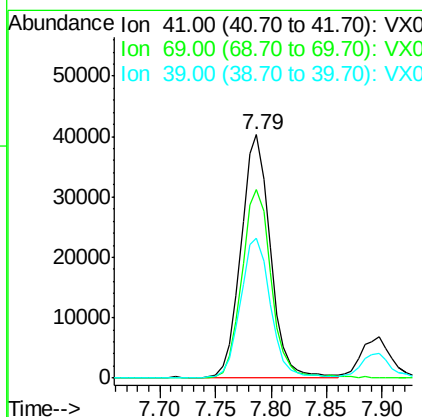
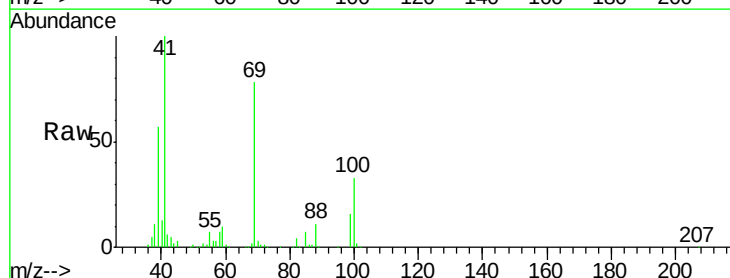
RT: 7.79 min Scan# 1181

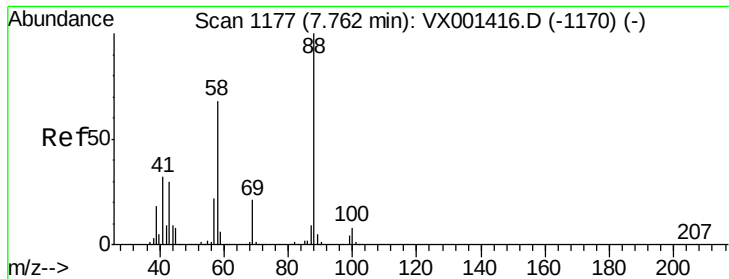
Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Tgt Ion:	41	Resp:	73393
Ion	Ratio	Lower	Upper
41	100		
69	79.1	63.4	95.2
39	58.8	47.0	70.4





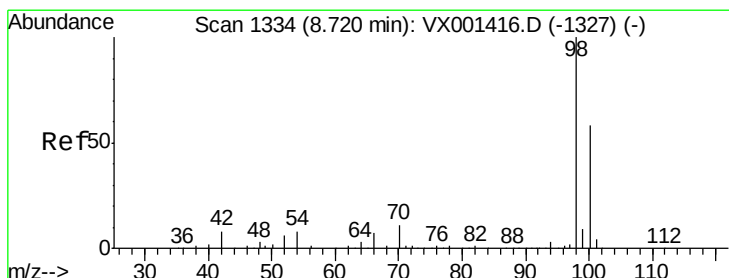
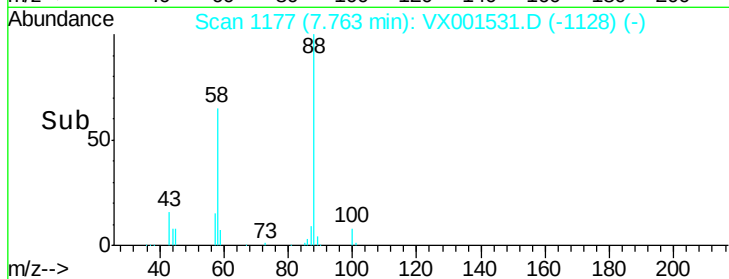
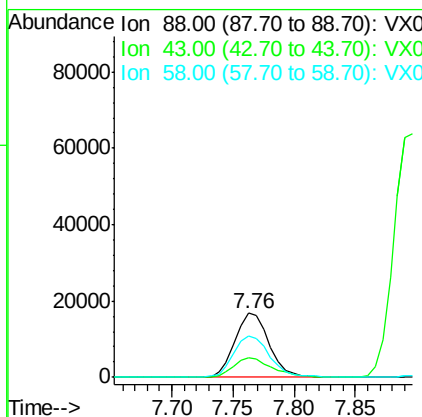
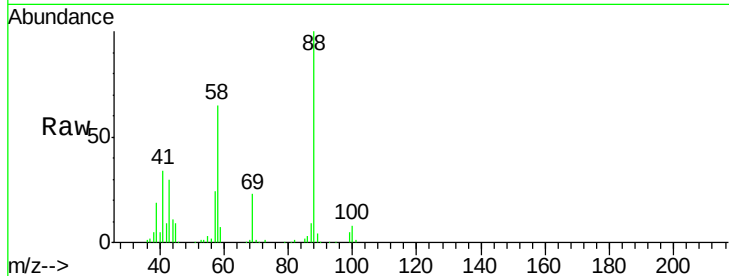
#49
1,4-Dioxane
Concen: 435.65 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.4	39.6
58	68.2	54.1	81.1

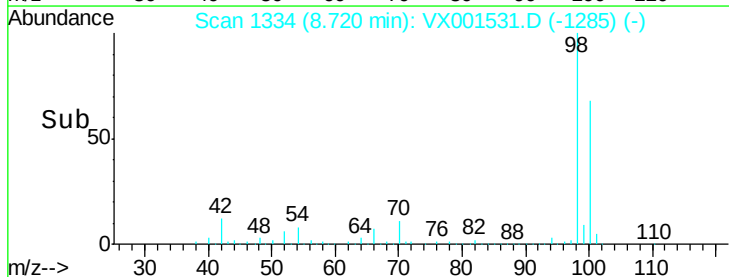
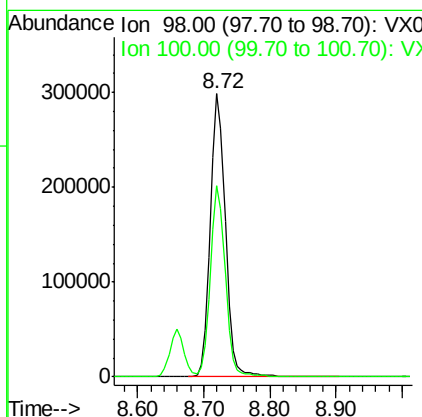
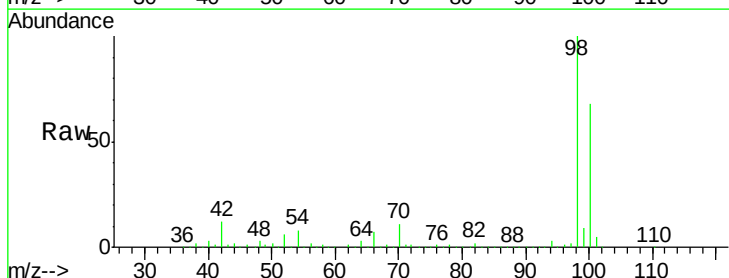
Manual Integrations
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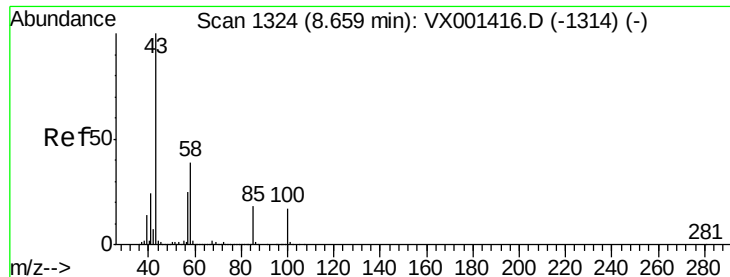
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#50
Toluene-d8
Concen: 49.08 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	54.0	81.0





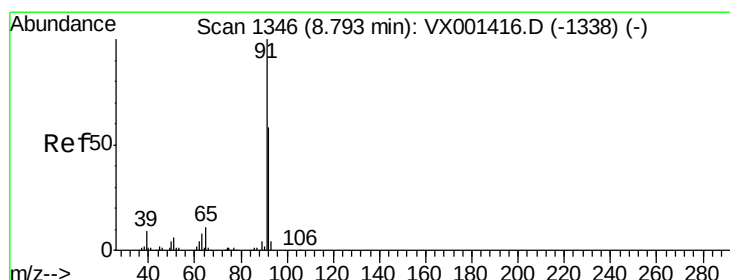
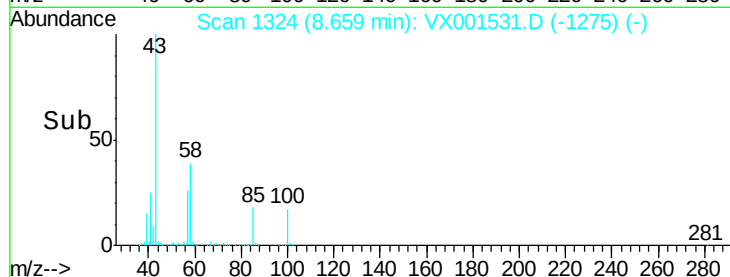
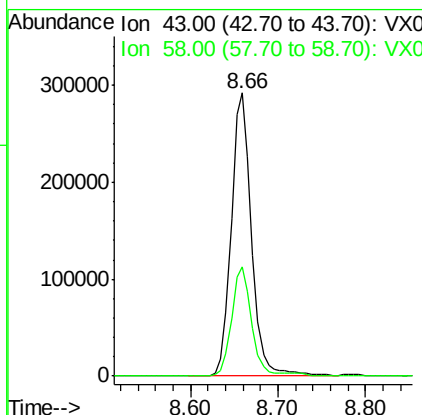
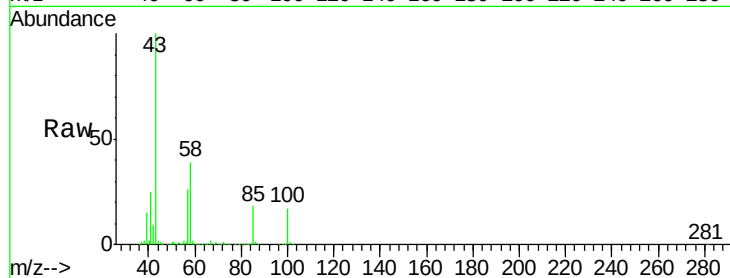
#51
4-Methyl-2-Pentanone
Concen: 111.63 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.8	46.2

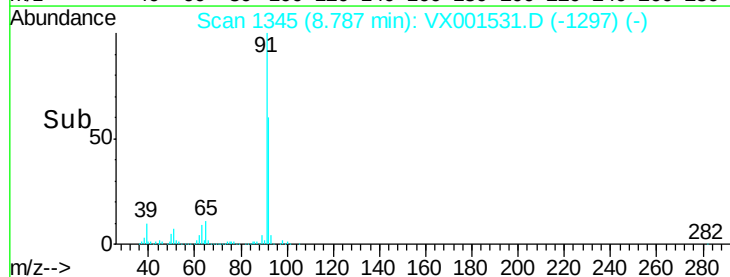
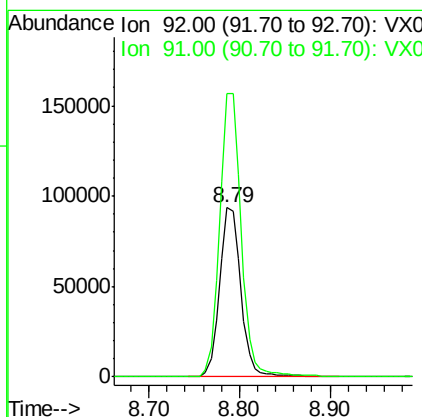
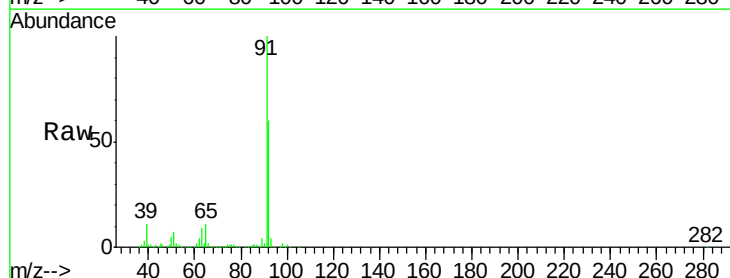
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APPROVED

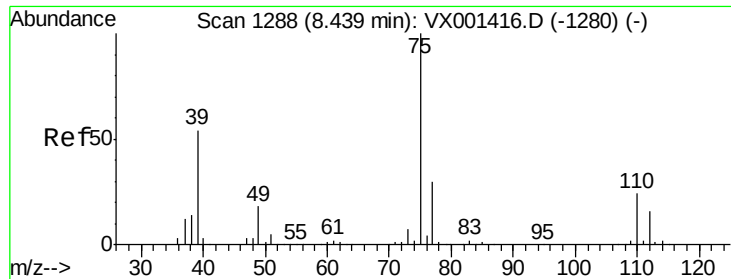
MMDadoda
5/10/2018 1:11:29 PM



#52
Toluene
Concen: 21.27 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.9	135.2	202.8





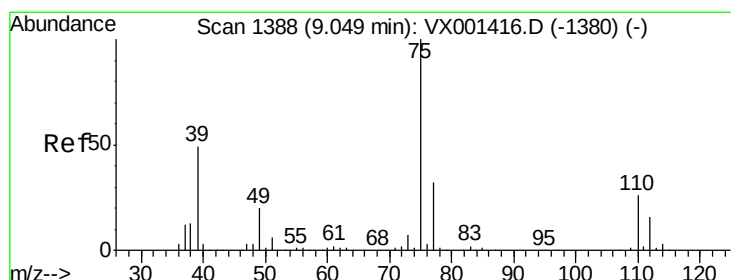
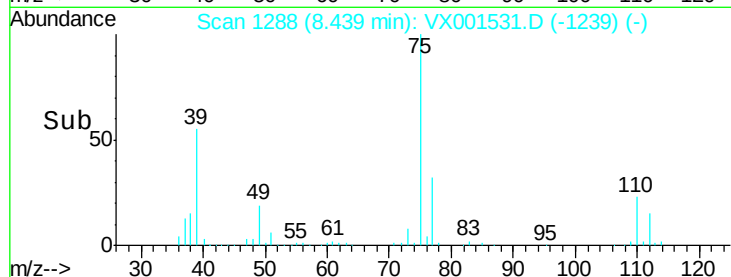
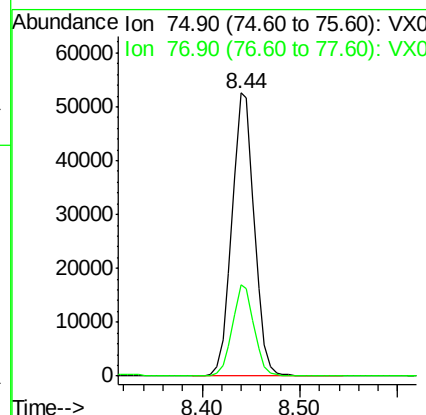
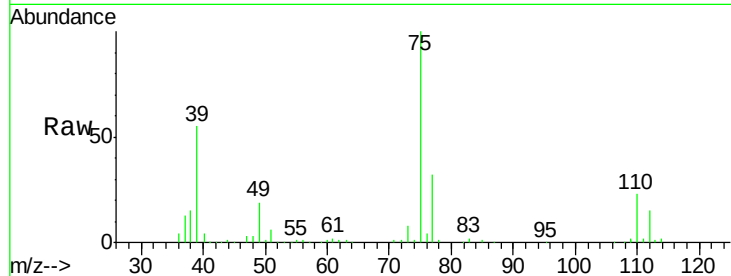
#53
t-1,3-Dichloropropene
Concen: 20.43 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion: 75 Resp: 83284
Ion Ratio Lower Upper
75 100
77 32.1 24.2 36.4

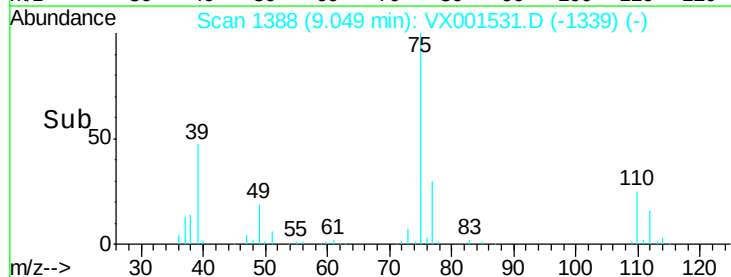
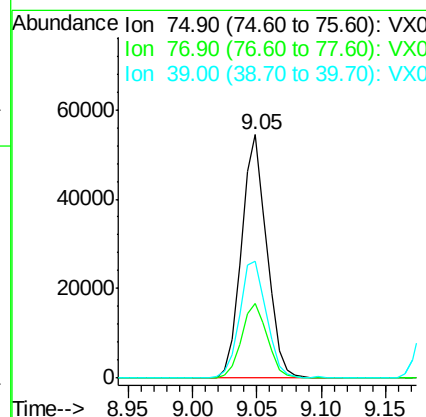
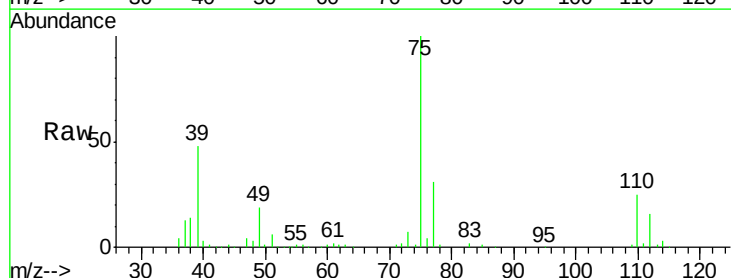
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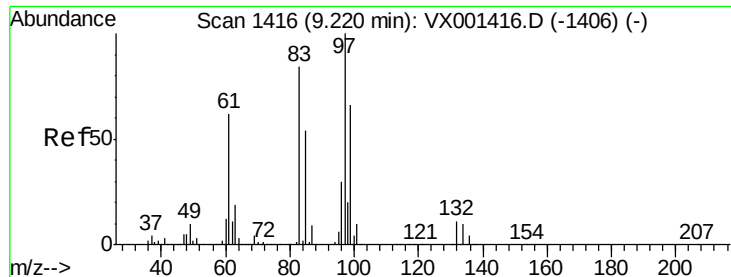
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.08 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion: 75 Resp: 74252
Ion Ratio Lower Upper
75 100
77 30.6 25.5 38.3
39 47.7 38.9 58.3





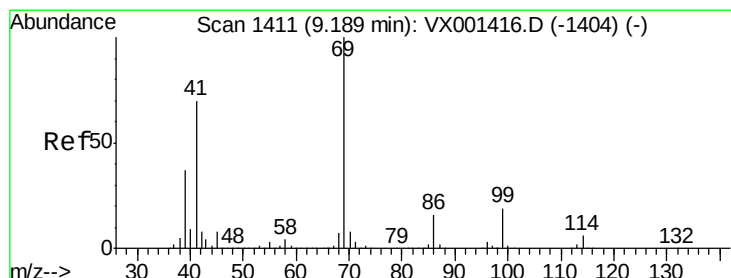
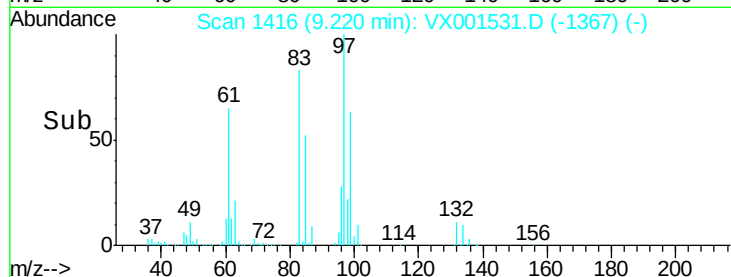
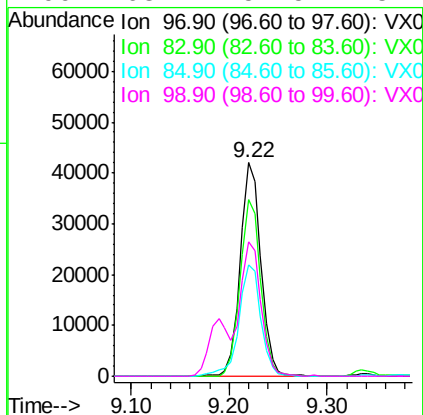
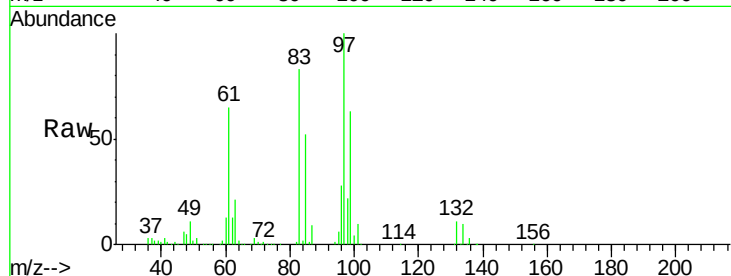
#55
 1,1,2-Trichloroethane
 Concen: 21.24 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		61787		
83	82.7	67.4	101.0		
85	52.1	43.3	64.9		
99	63.1	52.5	78.7		

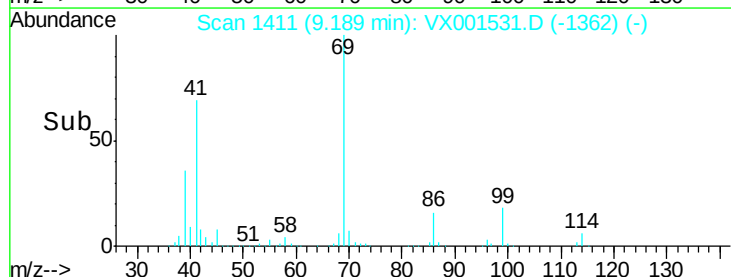
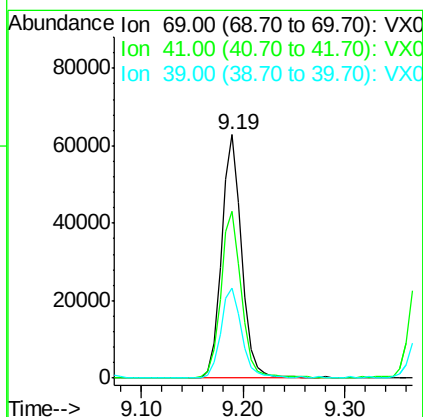
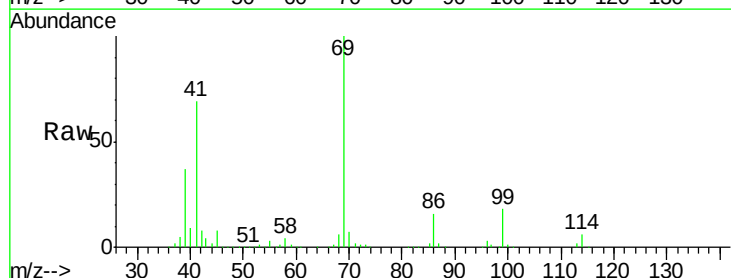
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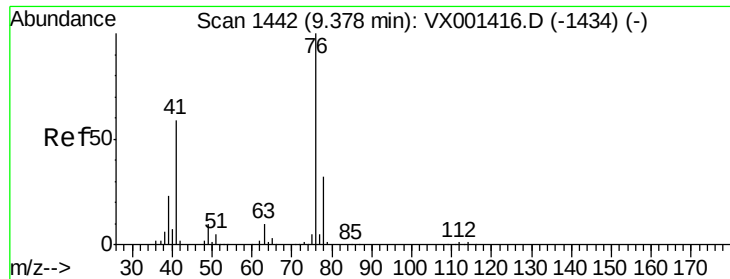
MMDadoda
 5/10/2018 1:11:29 PM



#56
 Ethyl methacrylate
 Concen: 20.57 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		86242		
41	69.4	55.1	82.7		
39	37.8	29.9	44.9		





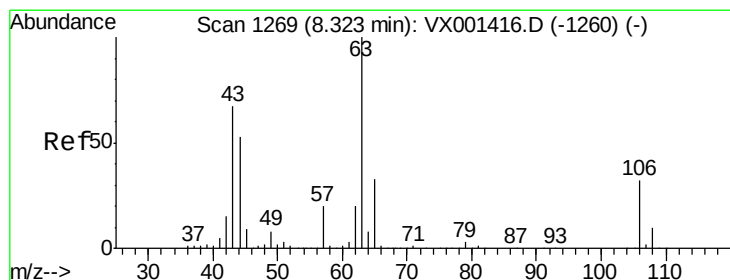
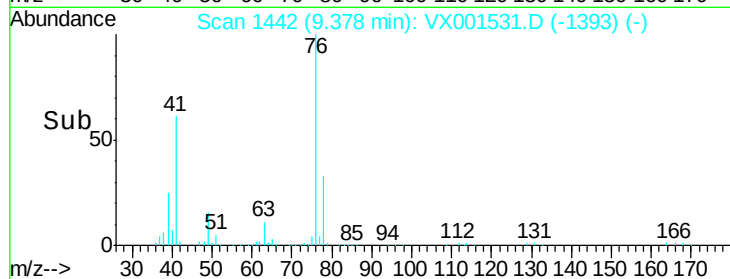
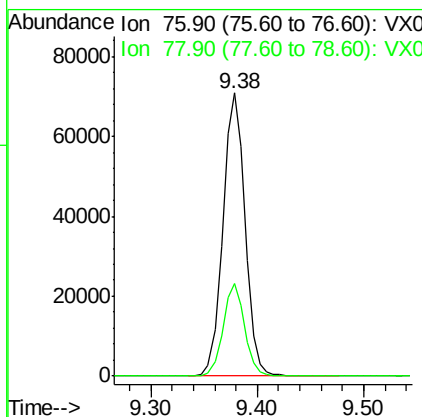
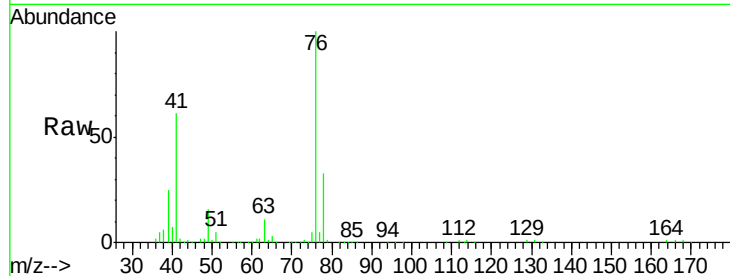
#57
 1,3-Dichloropropane
 Concen: 21.40 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.6

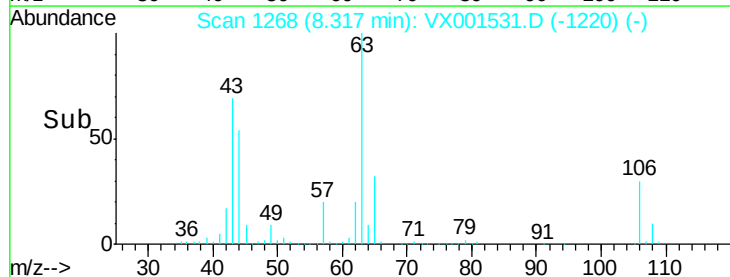
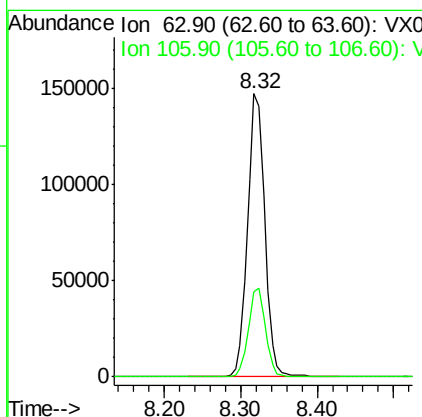
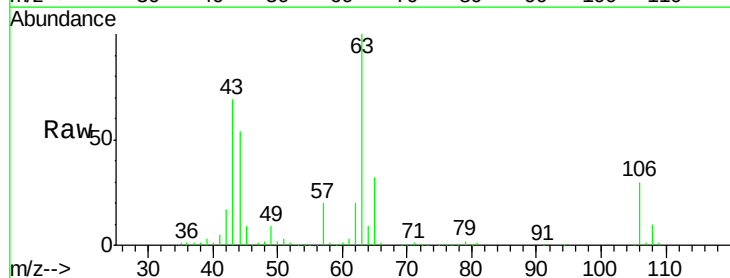
Manual Integrations
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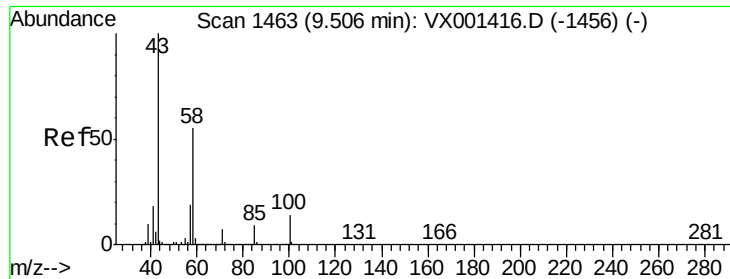
MMDadoda
 5/10/2018 1:11:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.68 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	25.4	38.0





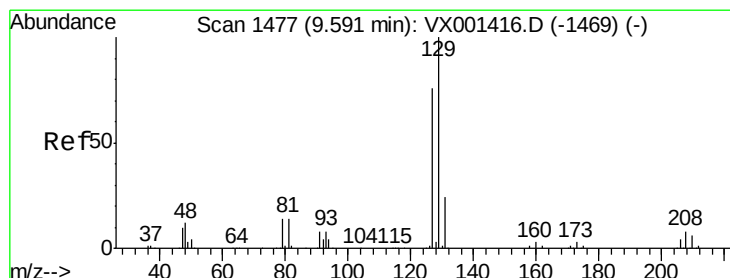
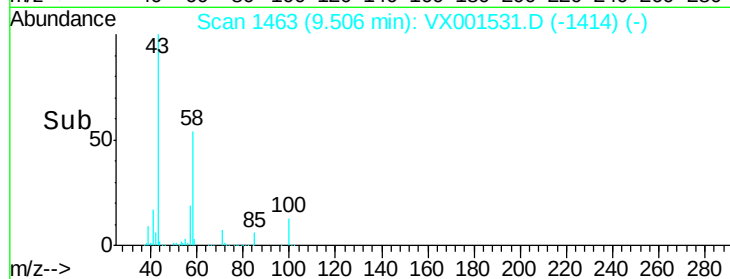
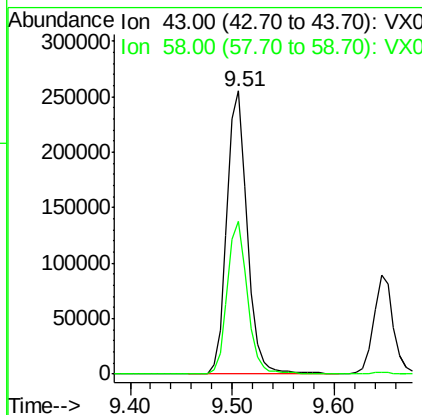
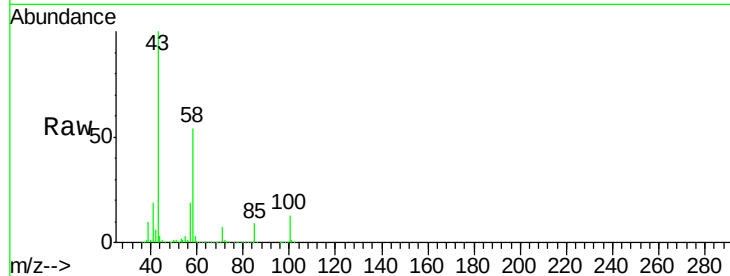
#59
2-Hexanone
Concen: 108.51 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	27.1	81.2

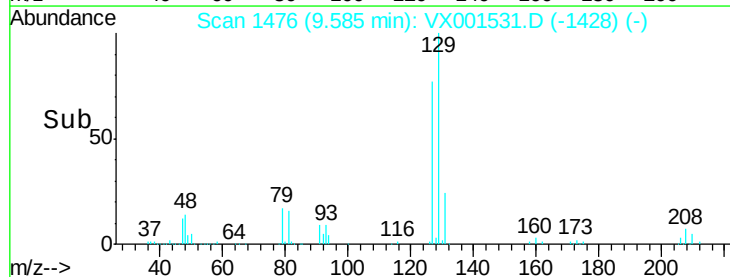
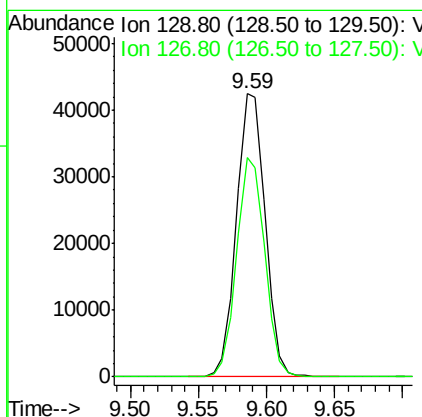
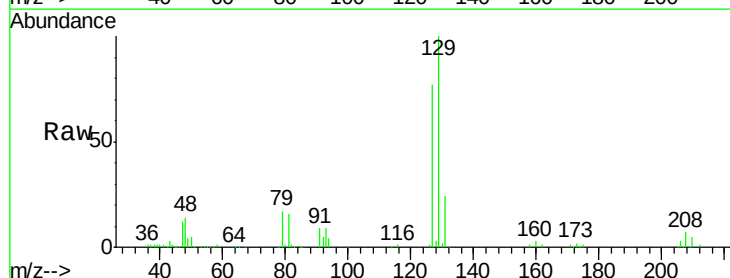
Manual Integrations
APPROVED

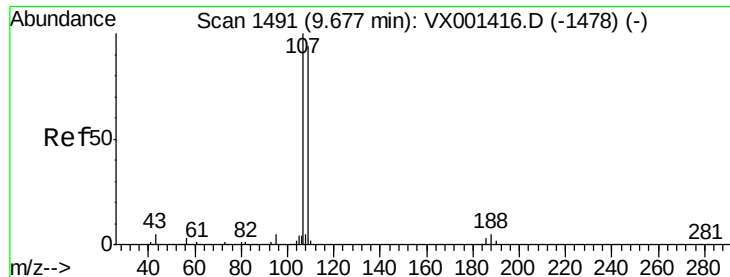
MMDadoda
5/10/2018 1:11:29 PM



#60
Dibromochloromethane
Concen: 20.97 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.1	114.5





#61

1,2-Dibromoethane

Concen: 21.35 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion:107 Resp: 65198

Ion Ratio Lower Upper

107 100

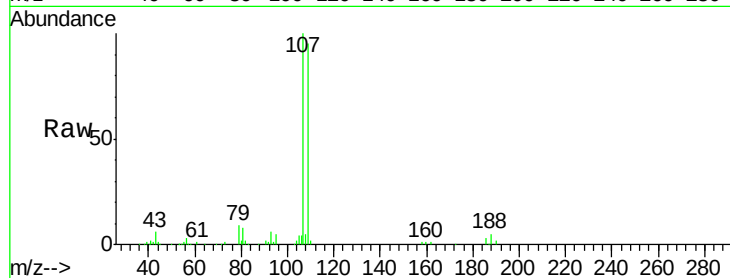
109 95.0 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

5/10/2018 1:11:29 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

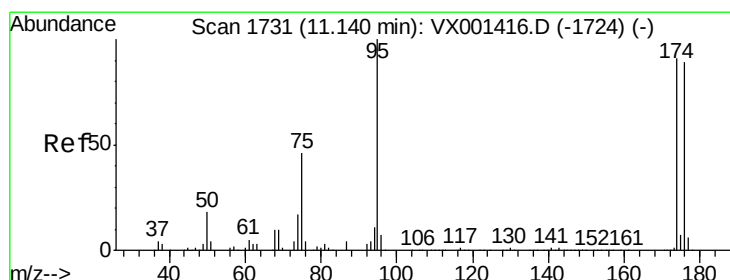
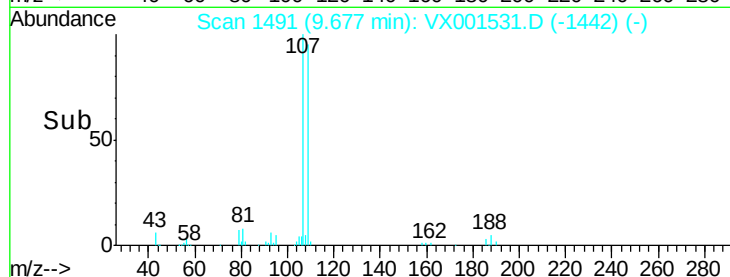
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

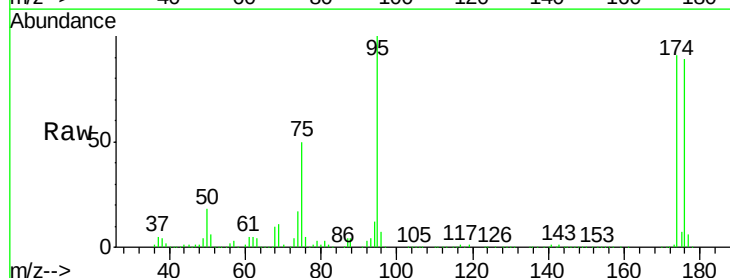
Tgt Ion: 95 Resp: 176640

Ion Ratio Lower Upper

95 100

174 100.5 0.0 202.0

176 97.4 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

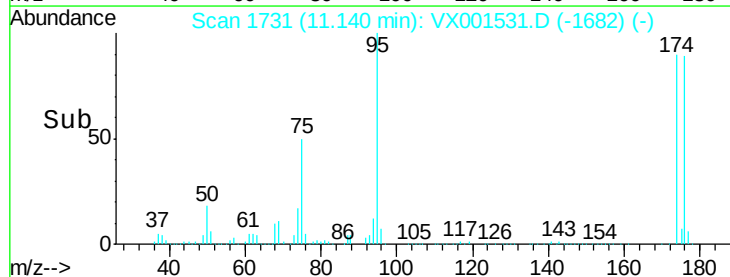
150000

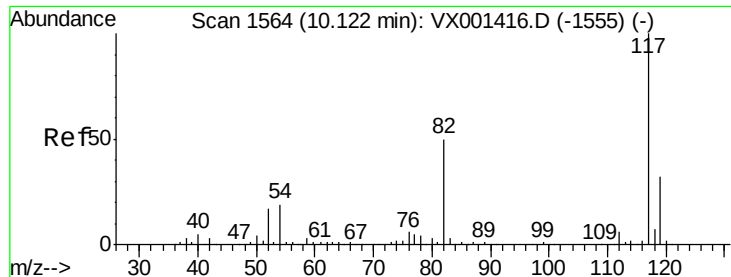
100000

50000

0

Time-->





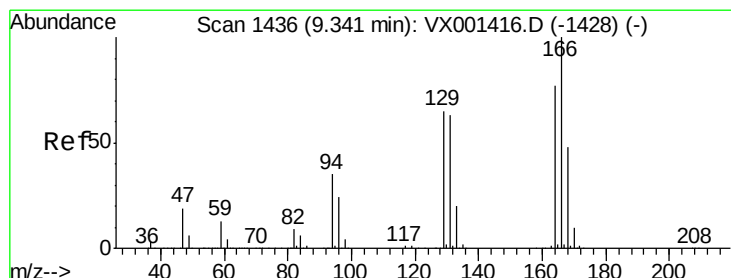
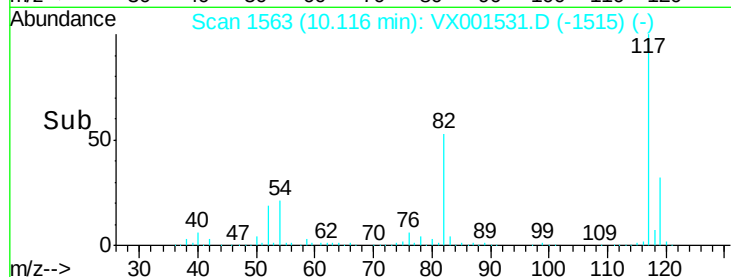
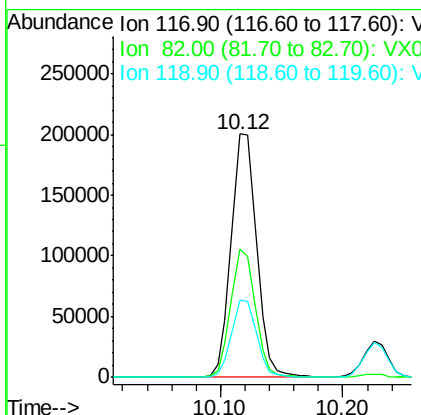
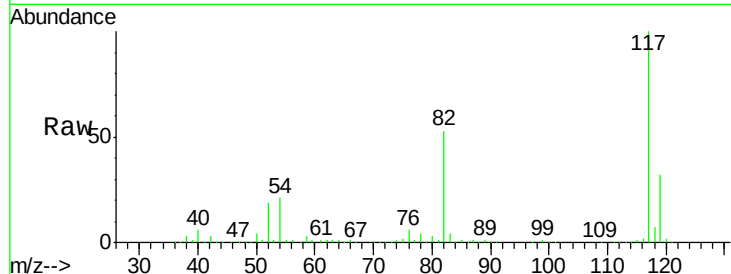
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	40.0	60.0
119	31.9	25.8	38.8

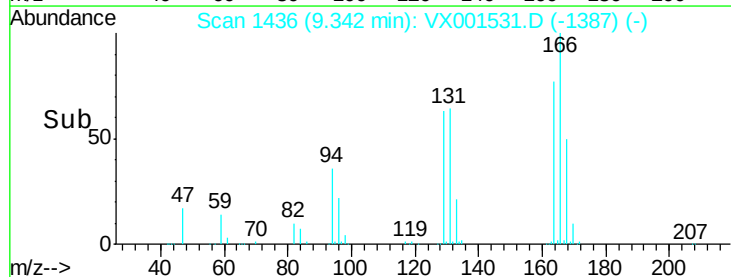
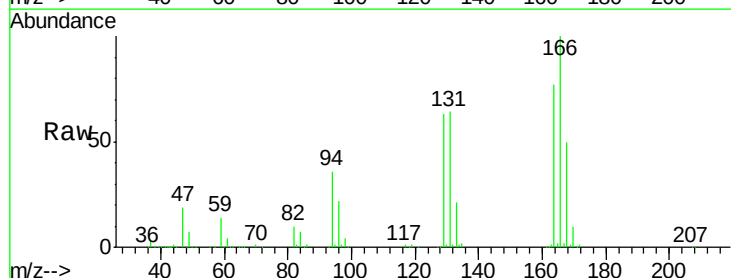
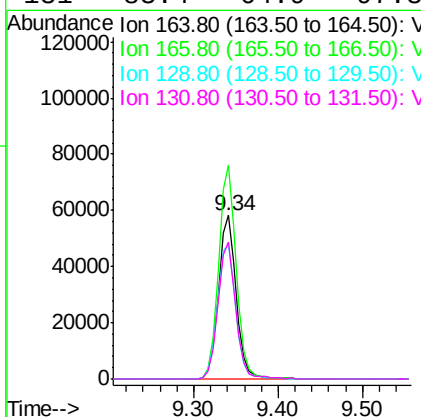
Manual Integrations
APPROVED

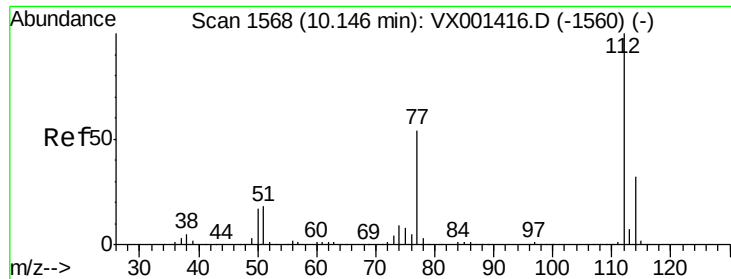
MMDadoda
5/10/2018 1:11:29 PM



#64
Tetrachloroethene
Concen: 21.16 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	103.5	155.3
129	82.3	66.7	100.1
131	83.4	64.9	97.3





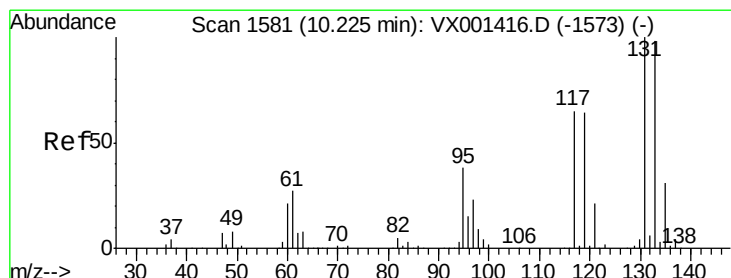
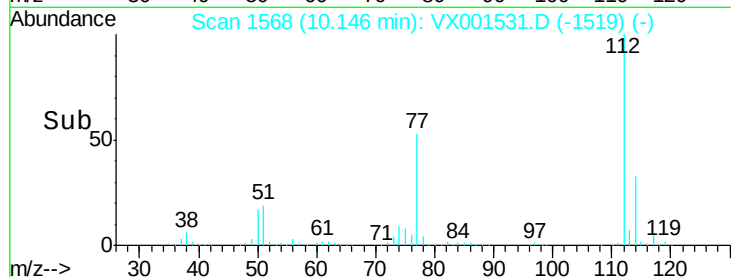
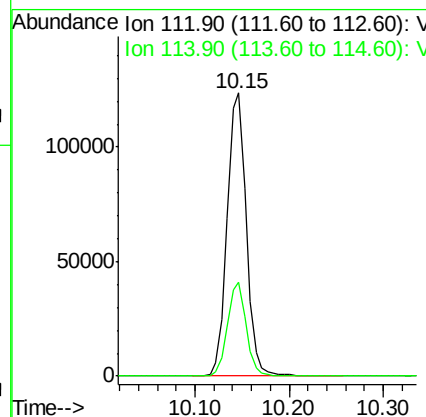
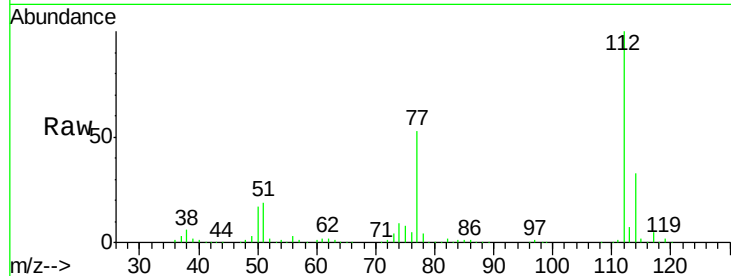
#65
Chlorobenzene
Concen: 20.60 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampled :
VX0508WBS02

Tot Ion:112 Resp: 174573
Ion Ratio Lower Upper
112 100
114 33.1 26.0 39.0

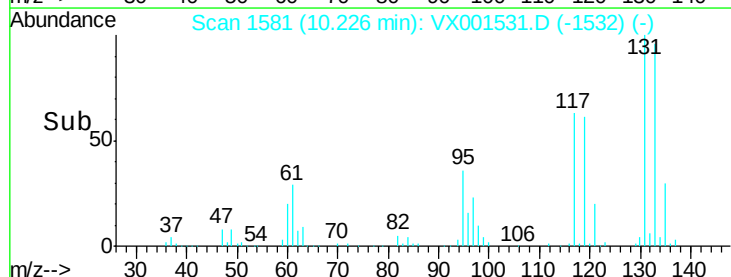
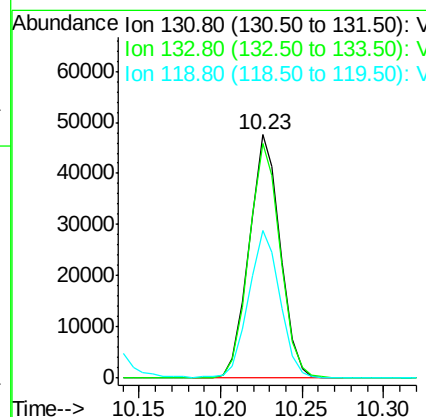
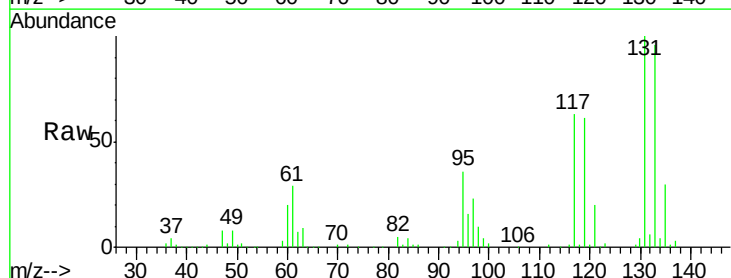
Manual Integrations
APPROVED

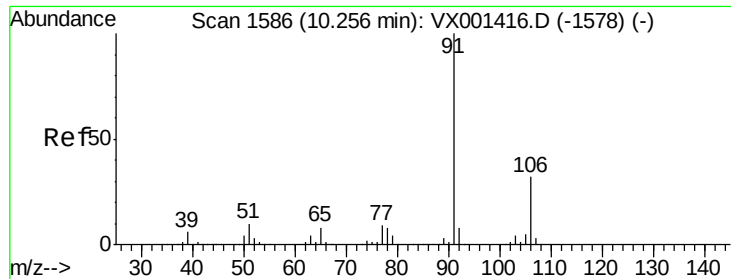
MMDadoda
5/10/2018 1:11:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.88 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion:131 Resp: 63269
Ion Ratio Lower Upper
131 100
133 97.0 47.9 143.8
119 61.5 31.1 93.3





#67

Ethyl Benzene

Concen: 20.35 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 91 Resp: 282567

Ion Ratio Lower Upper

91 100

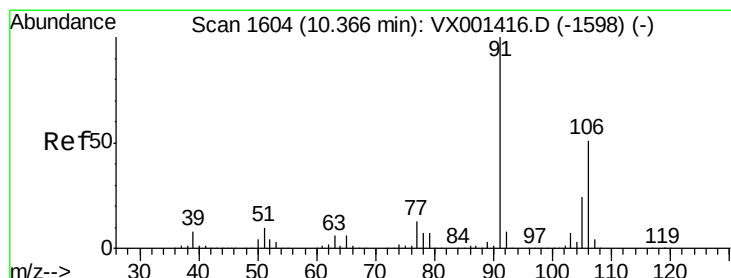
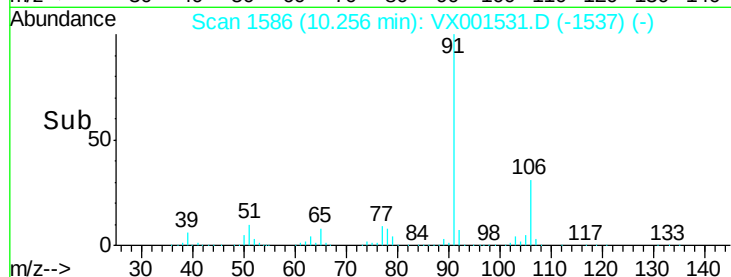
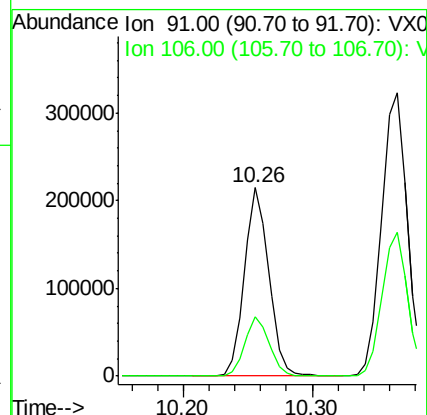
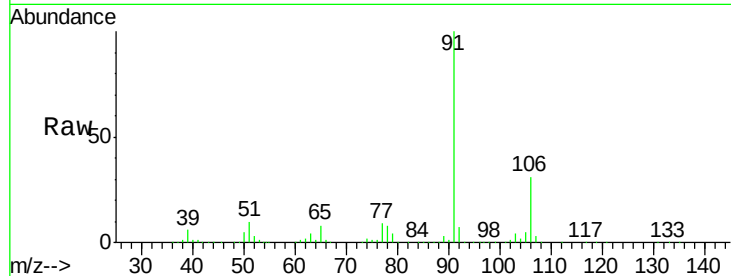
106 31.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

5/10/2018 1:11:29 PM



#68

m/p-Xylenes

Concen: 41.00 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001531.D

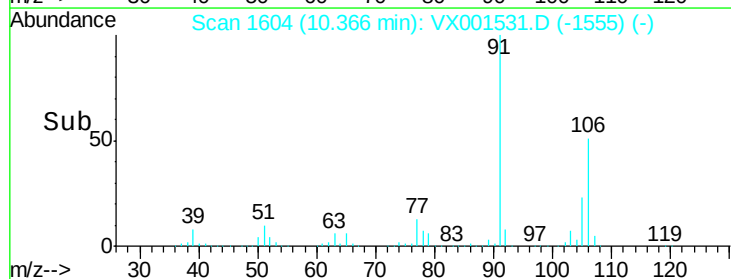
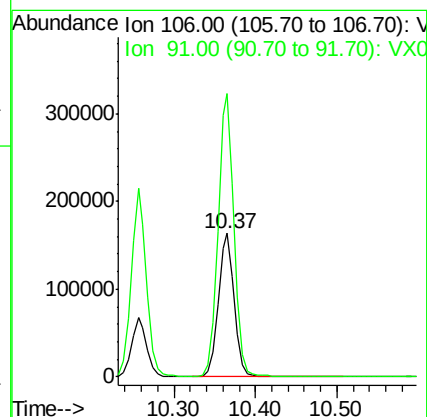
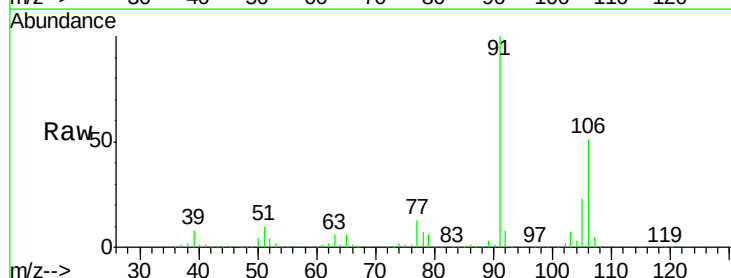
Acq: 08 May 2018 23:48

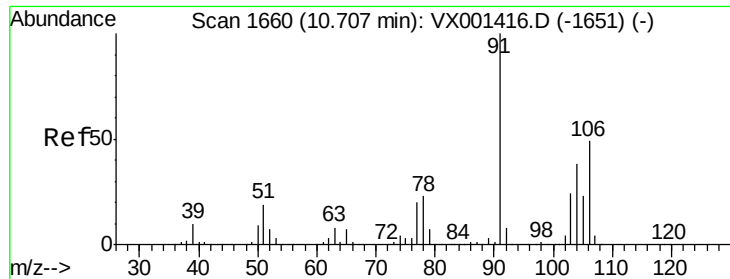
Tgt Ion: 106 Resp: 224994

Ion Ratio Lower Upper

106 100

91 197.8 157.5 236.3





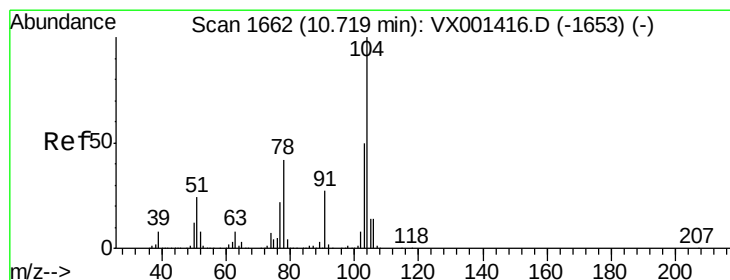
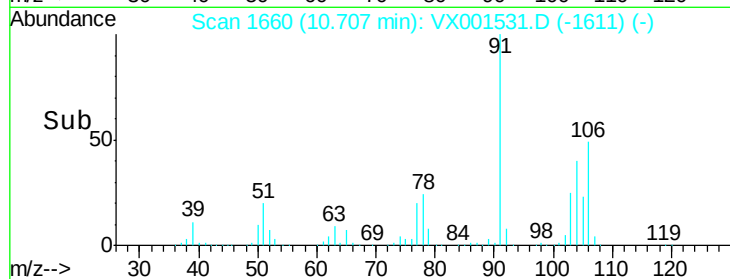
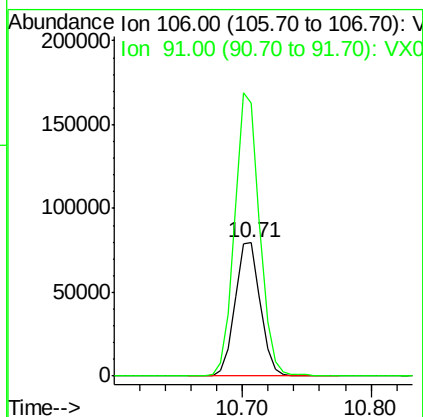
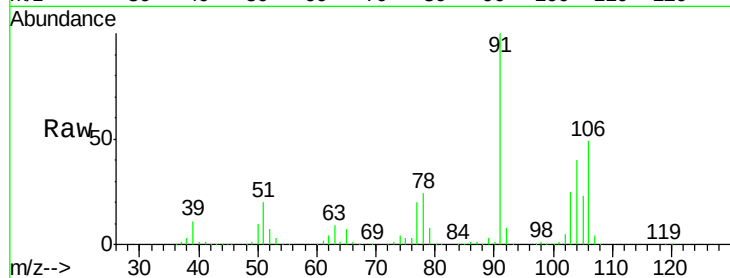
#69
o-Xylene
Concen: 20.54 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	109515		
91	208.0	103.1	309.1	

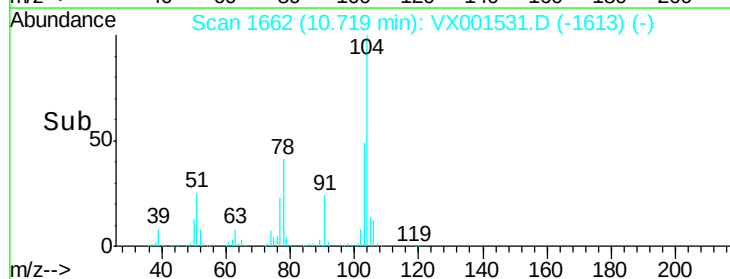
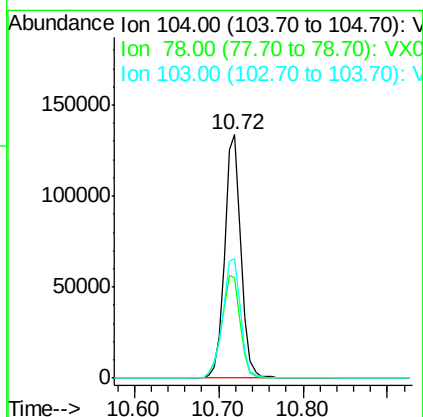
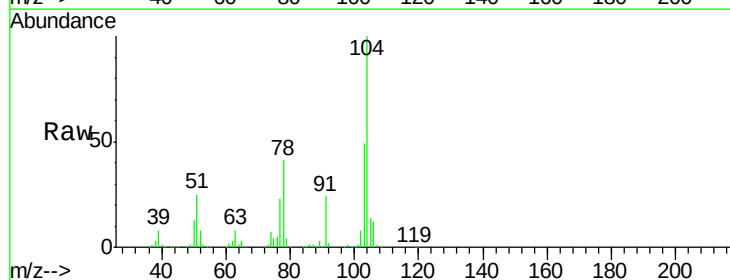
Manual Integrations
APPROVED

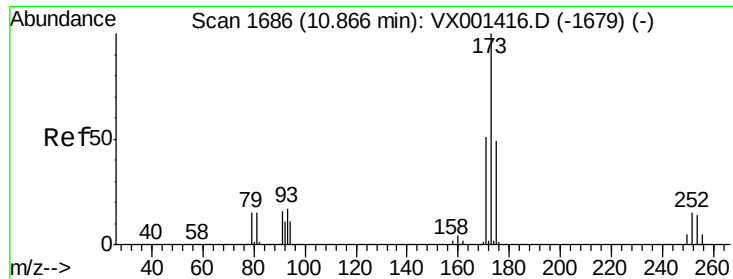
MMDadoda
5/10/2018 1:11:29 PM



#70
Styrene
Concen: 20.63 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	178770		
78	48.3	38.6	58.0	
103	54.6	44.0	66.0	





#71

Bromoform

Concen: 19.17 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion:173 Resp: 48959

Ion Ratio Lower Upper

173 100

175 48.4 24.5 73.5

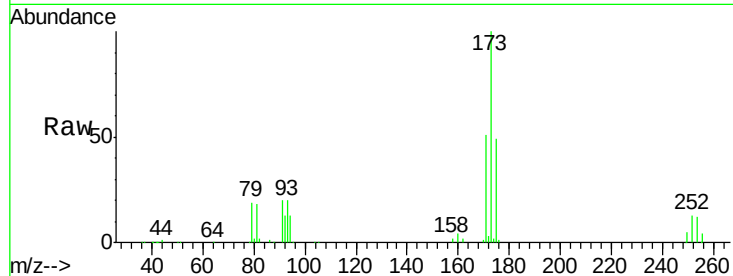
254 0.1 0.2 0.2#

Manual Integrations

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MMDadoda

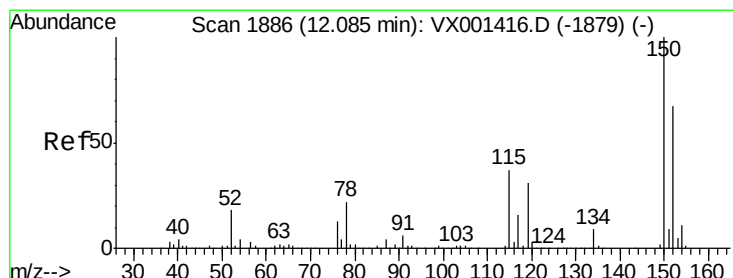
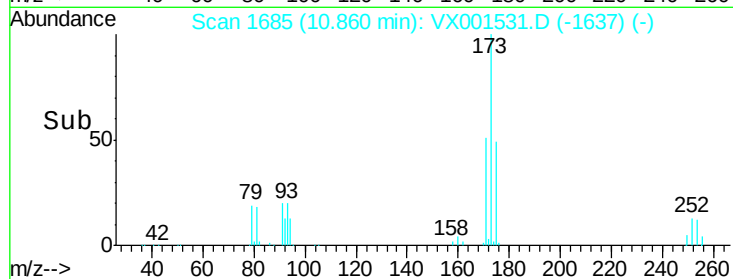
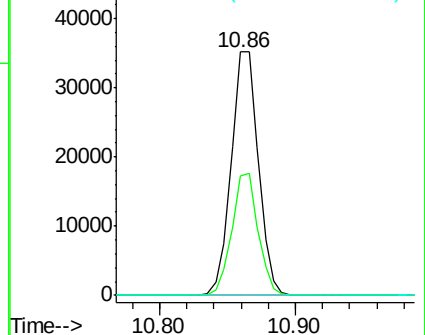
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

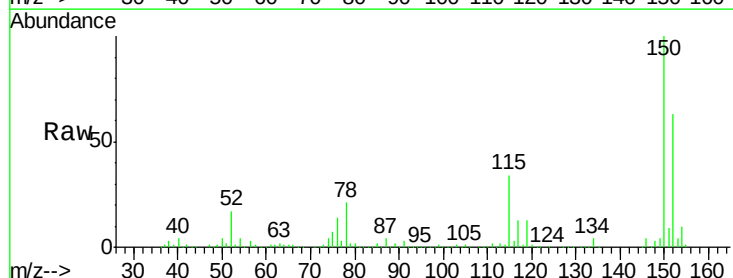
Tgt Ion:152 Resp: 200212

Ion Ratio Lower Upper

152 100

115 63.0 37.7 113.1

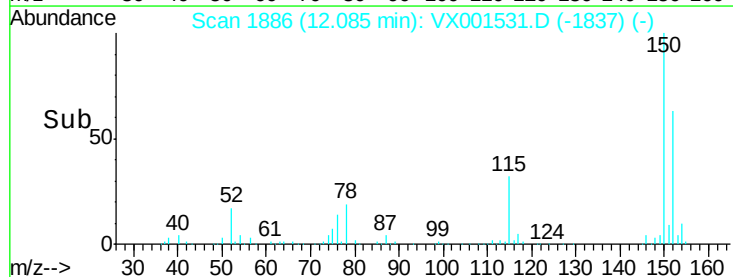
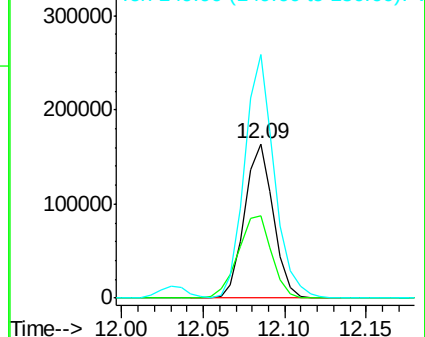
150 163.8 0.0 349.4

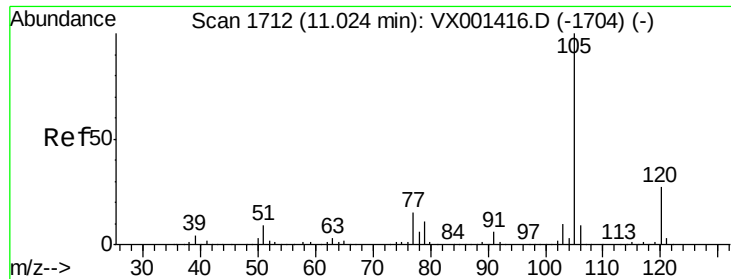


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.26 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 105 Resp: 294704

Ion Ratio Lower Upper

105 100

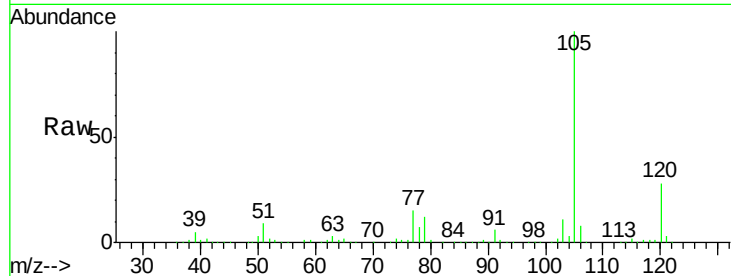
120 27.1 13.6 40.8

Manual Integrations

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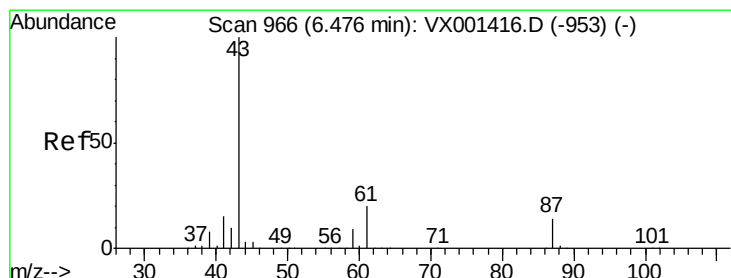
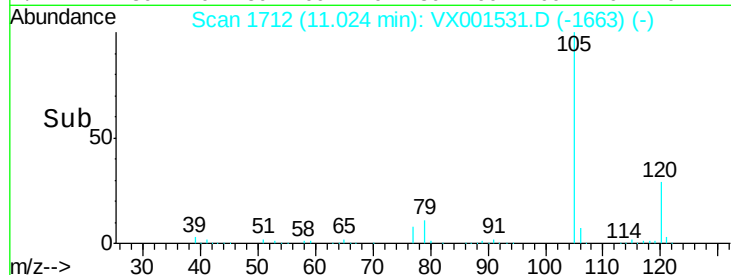
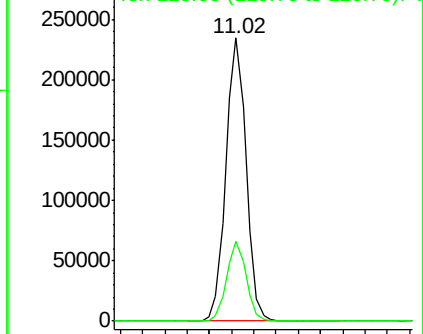
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.46 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Tgt Ion: 43 Resp: 135088

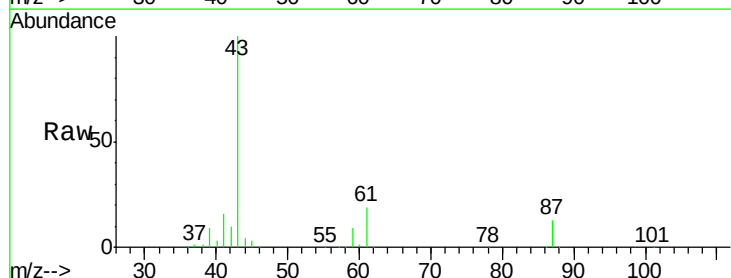
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.1 15.4 23.0

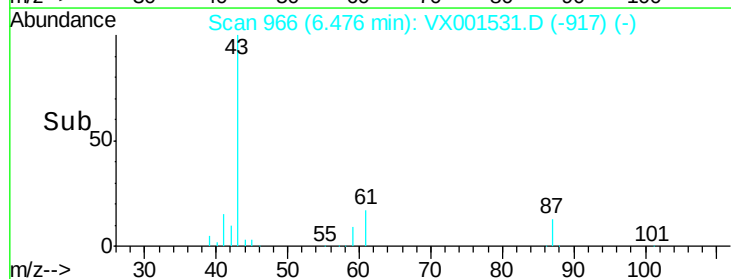
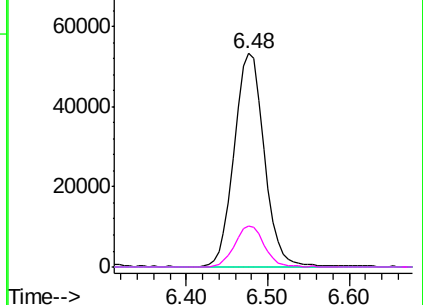


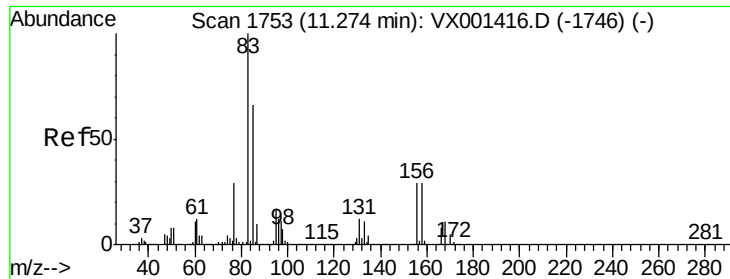
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.61 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 83 Resp: 88446

Ion Ratio Lower Upper

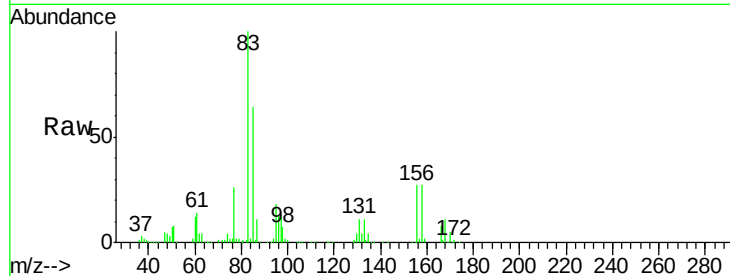
83 100

131 11.5 5.8 17.4

85 64.0 32.7 98.1

Manual Integrations
APPROVED

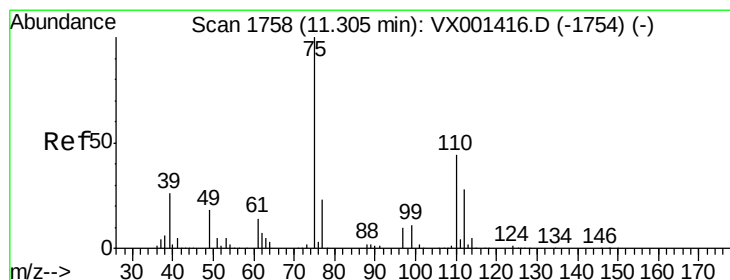
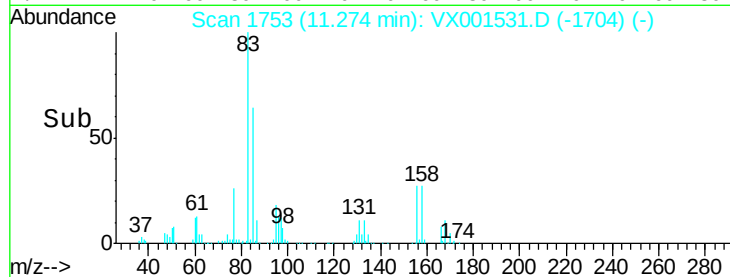
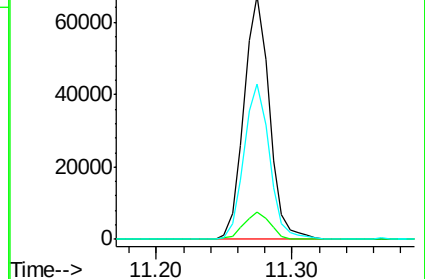
MMDadoda
5/10/2018 1:11:29 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.49 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001531.D

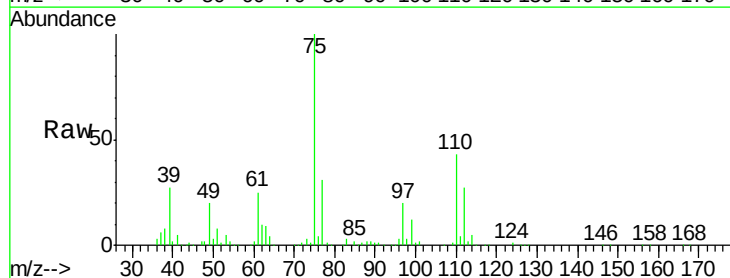
Acq: 08 May 2018 23:48

Tgt Ion: 75 Resp: 87274

Ion Ratio Lower Upper

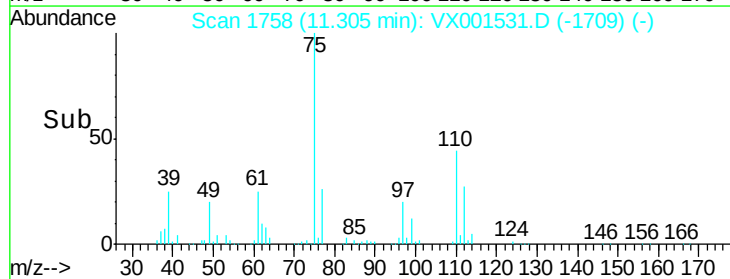
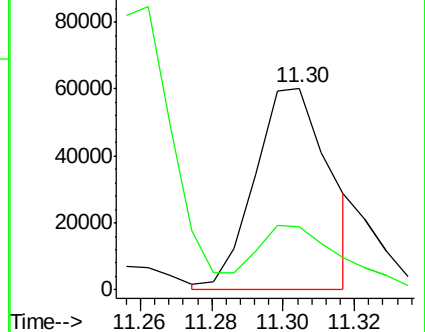
75 100

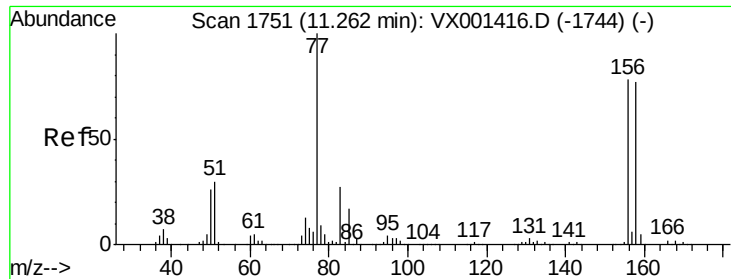
77 35.8 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.69 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion:156 Resp: 83368

Ion Ratio Lower Upper

156 100

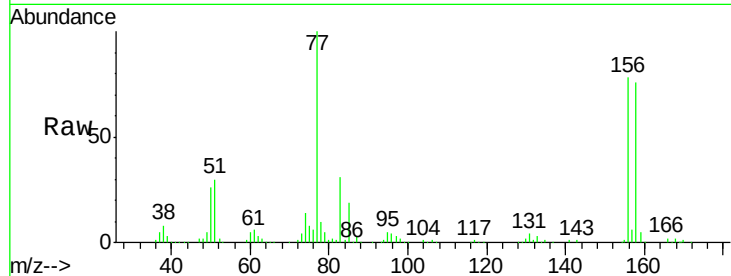
77 134.7 66.0 198.2

158 99.0 49.4 148.2

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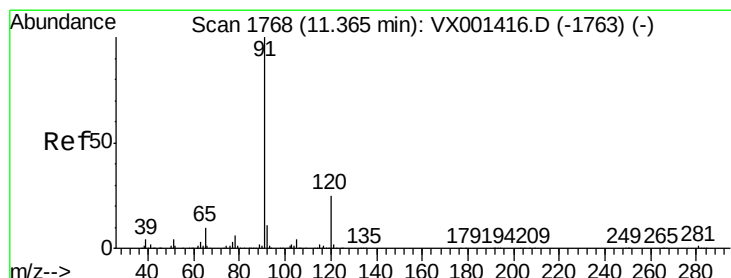
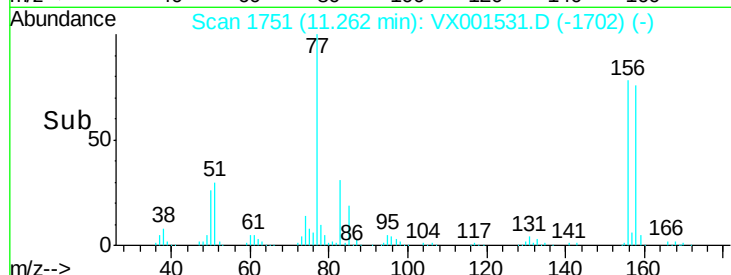
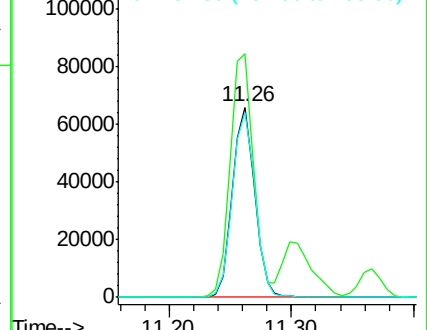
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.24 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001531.D

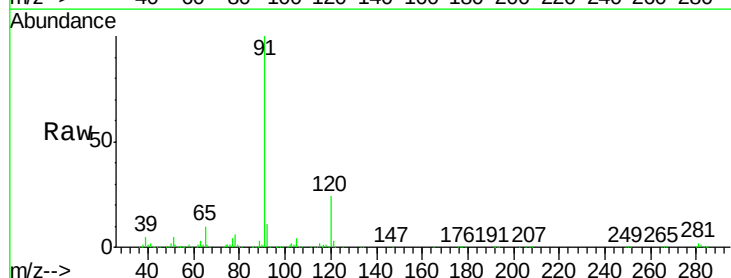
Acq: 08 May 2018 23:48

Tgt Ion: 91 Resp: 320583

Ion Ratio Lower Upper

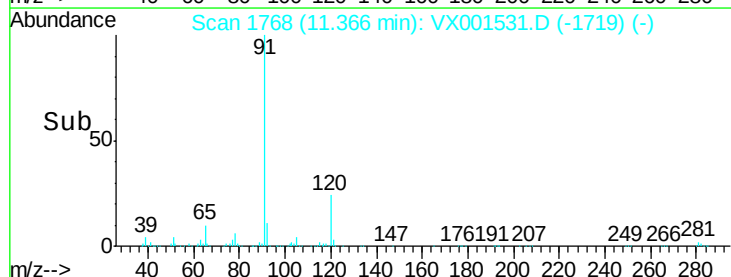
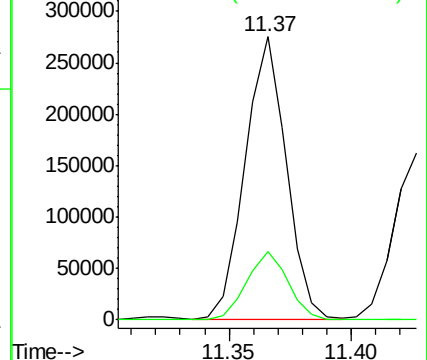
91 100

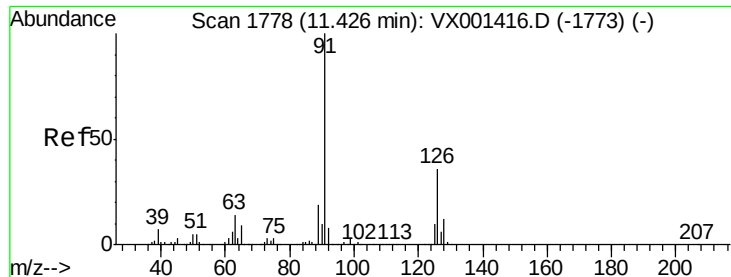
120 24.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.09 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 91 Resp: 195857

Ion Ratio Lower Upper

91 100

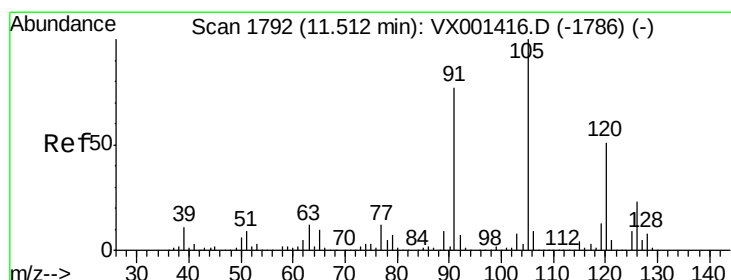
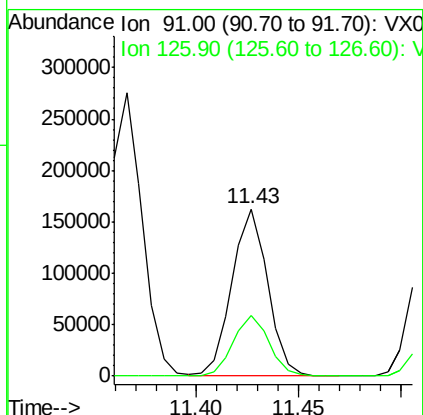
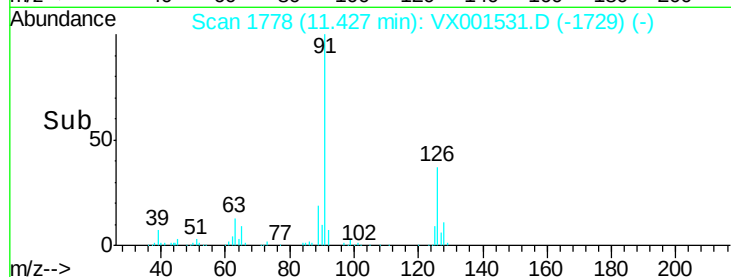
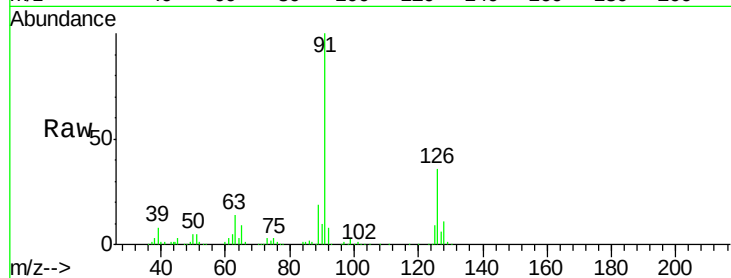
126 36.8 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.34 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001531.D

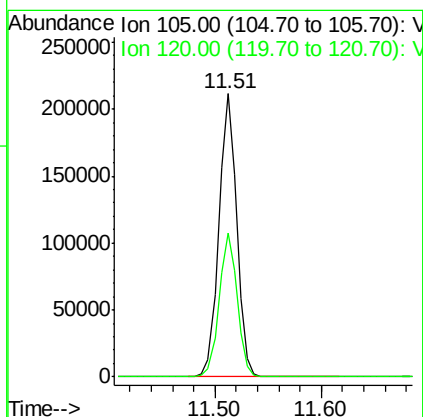
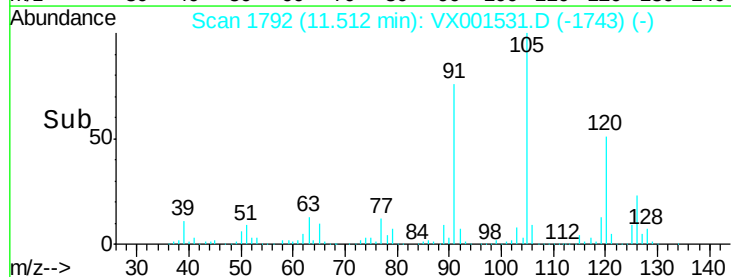
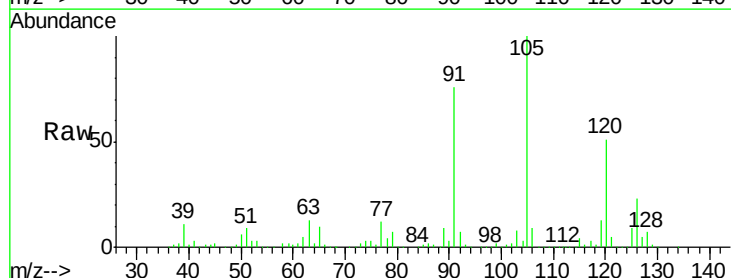
Acq: 08 May 2018 23:48

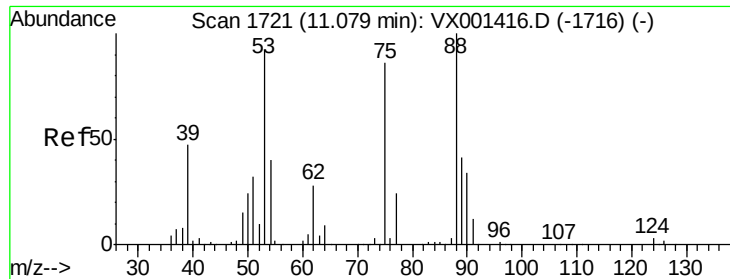
Tgt Ion: 105 Resp: 246294

Ion Ratio Lower Upper

105 100

120 51.1 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.69 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion: 75 Resp: 18671

Ion Ratio Lower Upper

75 100

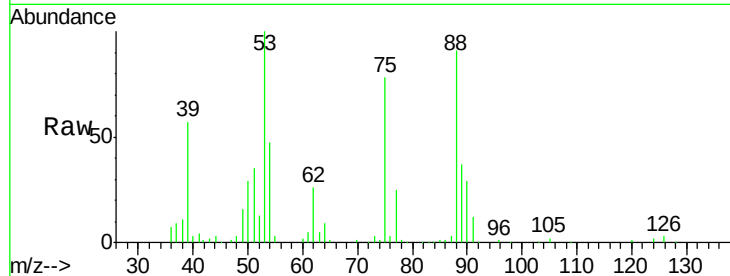
53 120.6 84.5 126.7

89 47.6 39.5 59.3

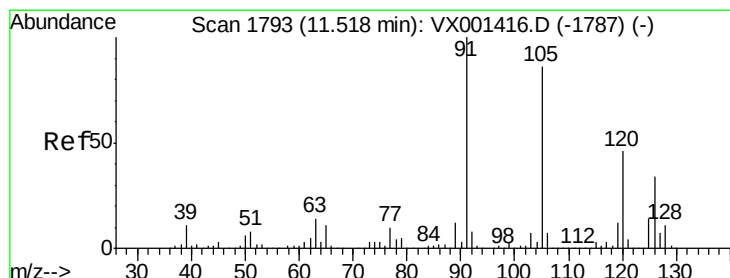
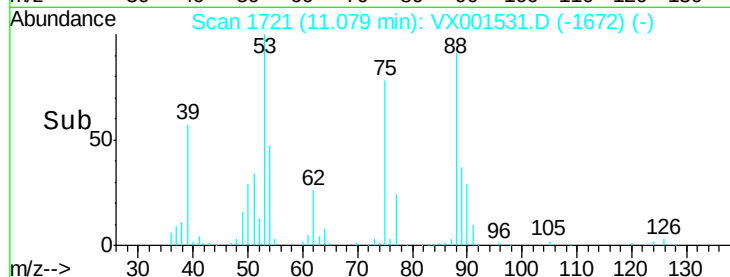
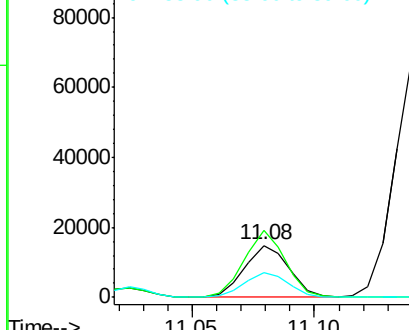
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.26 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001531.D

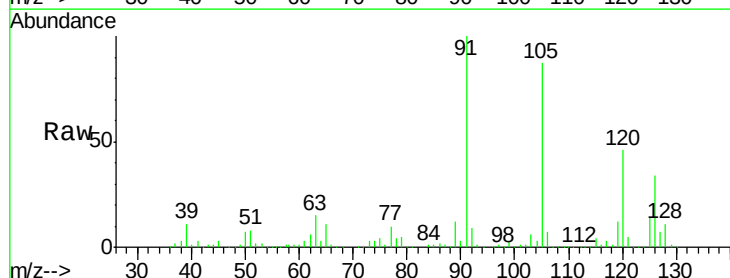
Acq: 08 May 2018 23:48

Tgt Ion: 91 Resp: 227787

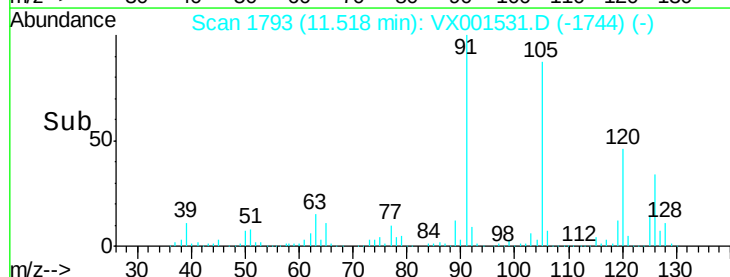
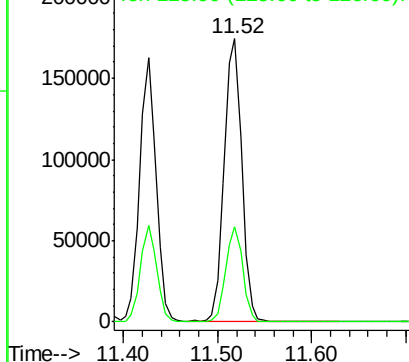
Ion Ratio Lower Upper

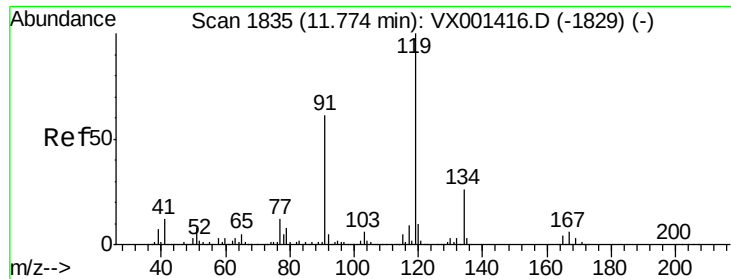
91 100

126 32.1 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





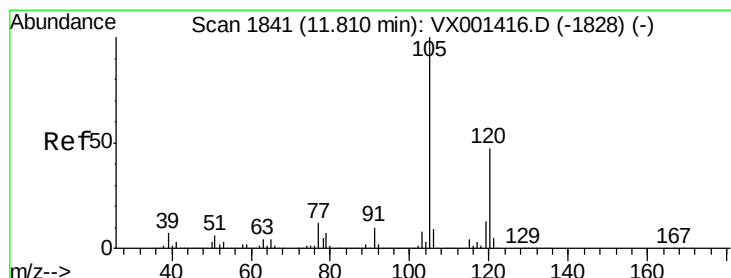
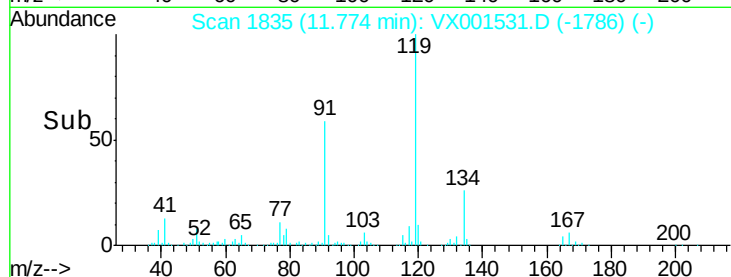
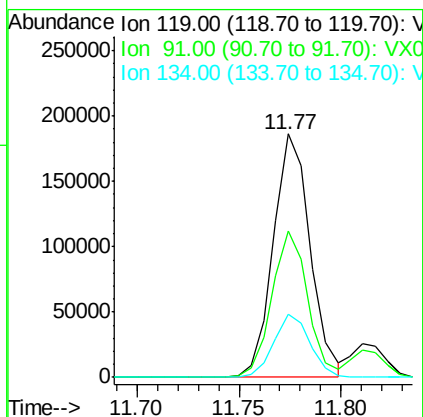
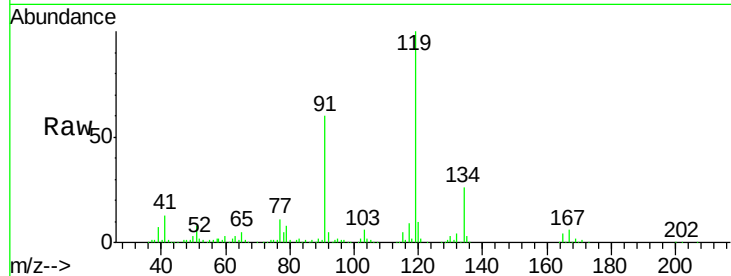
#83
 tert-Butylbenzene
 Concen: 20.50 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.4	27.8	83.3
134	25.6	12.4	37.0

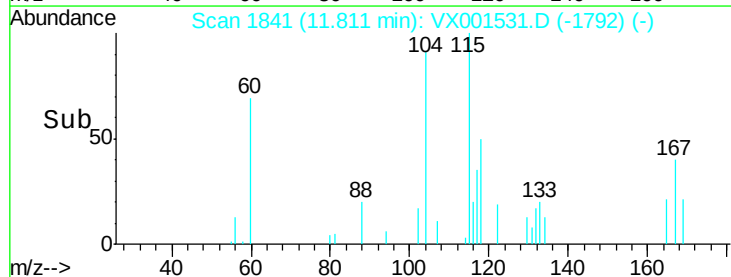
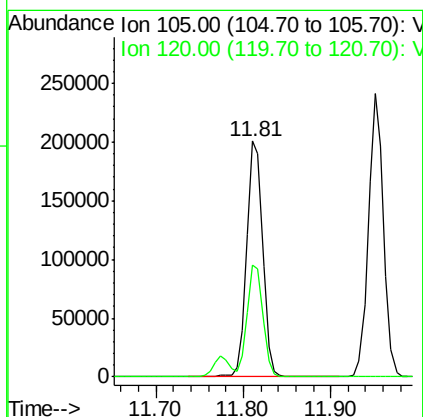
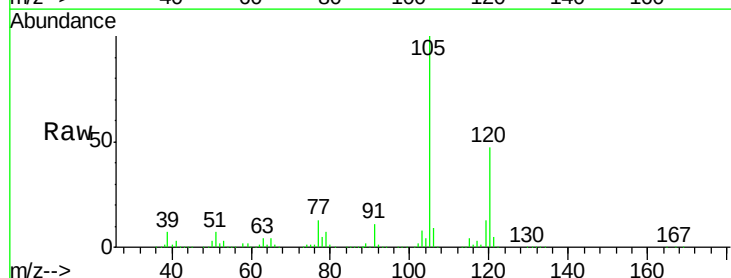
Manual Integrations
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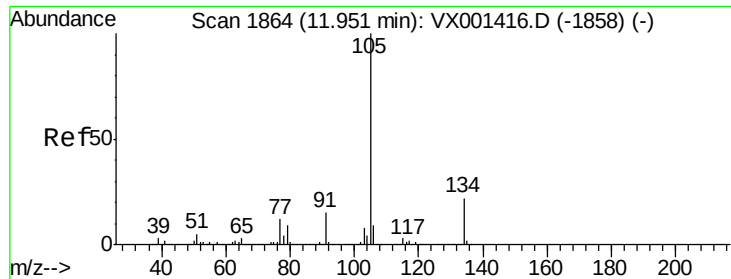
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.38 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.2





#85

sec-Butylbenzene

Concen: 21.09 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBS02

Tot Ion:105 Resp: 290682

Ion Ratio Lower Upper

105 100

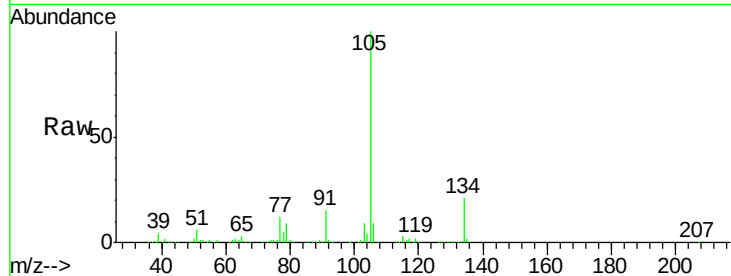
134 21.8 10.9 32.9

Manual Integrations

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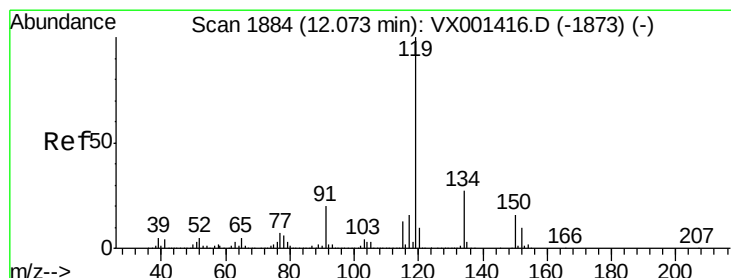
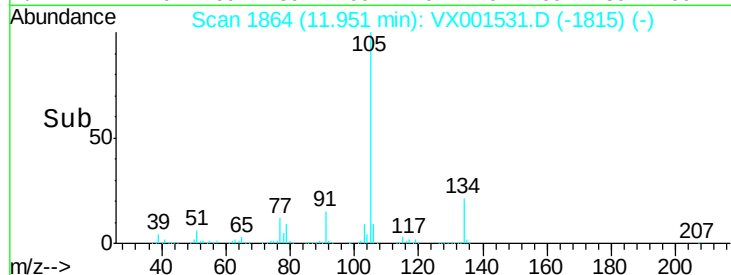
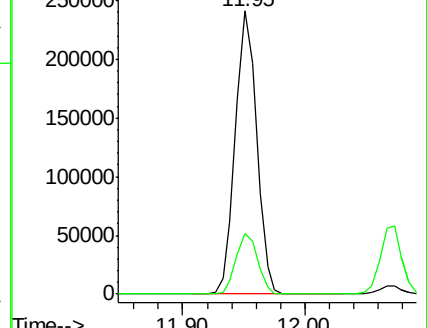
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.01 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

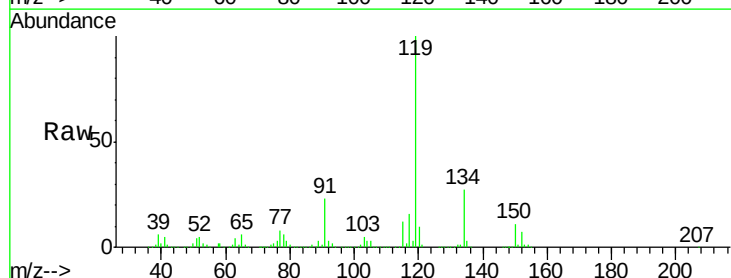
Tgt Ion:119 Resp: 265587

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

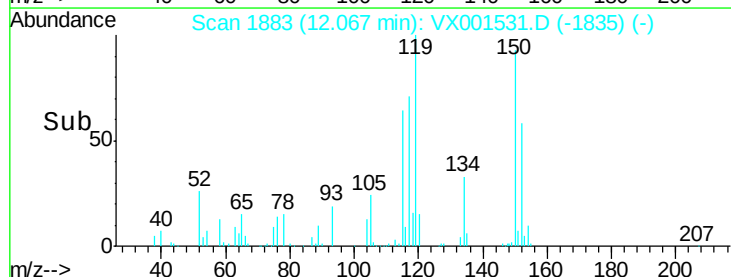
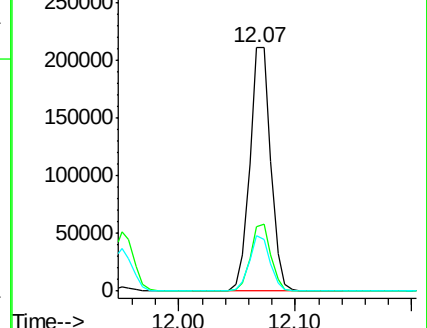
91 22.1 10.8 32.3

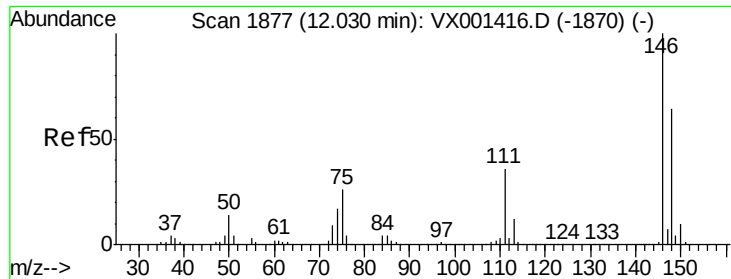


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





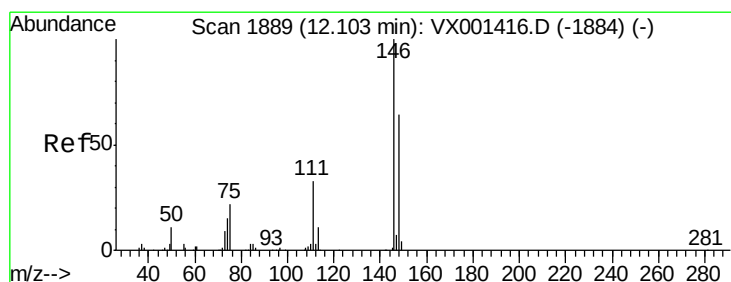
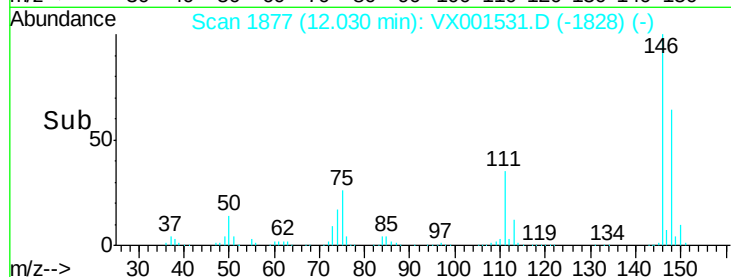
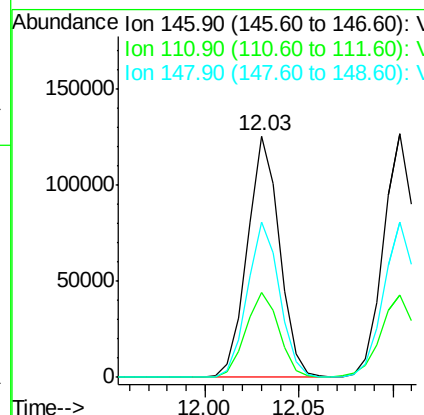
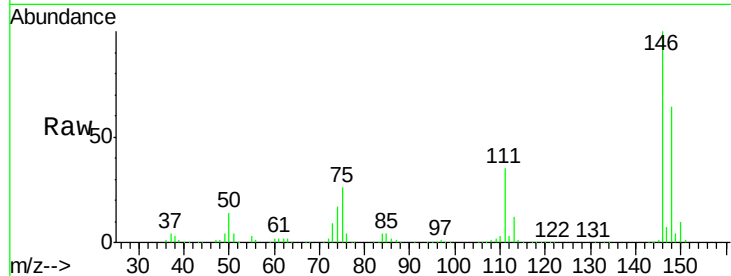
#87
 1,3-Dichlorobenzene
 Concen: 20.65 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.4	32.1	96.5

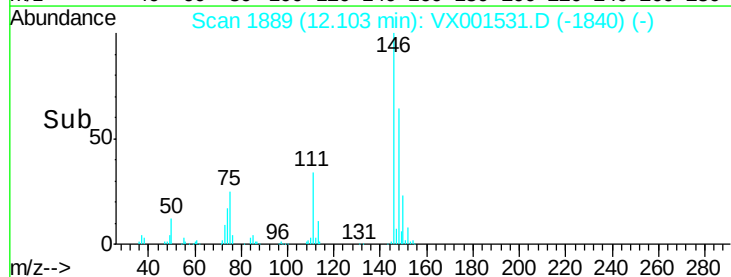
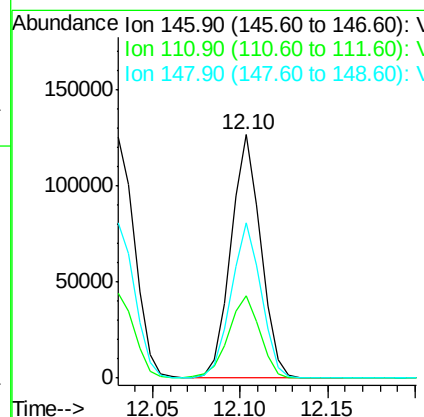
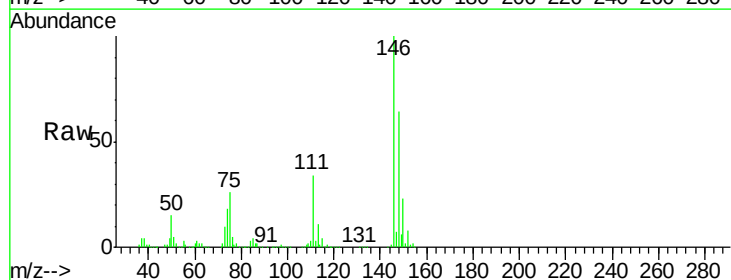
Manual Integrations
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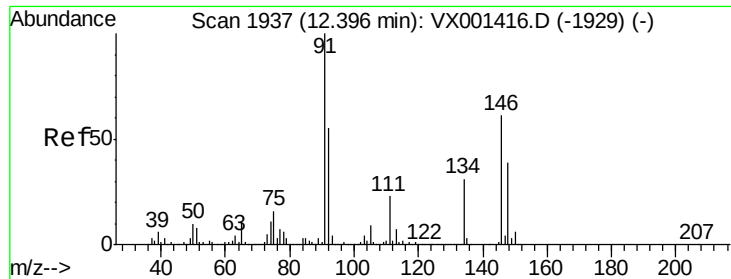
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#88
 1,4-Dichlorobenzene
 Concen: 20.46 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.4	52.3
148	64.1	32.2	96.6





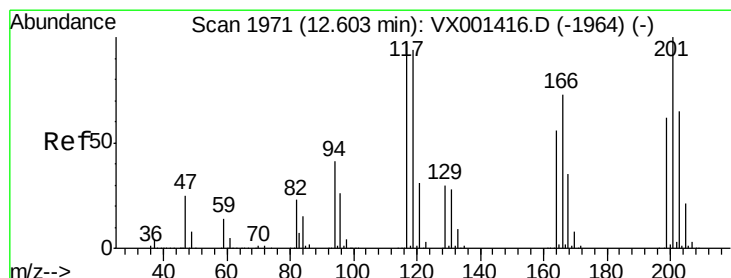
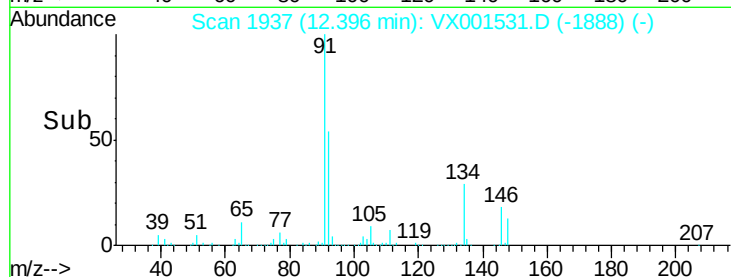
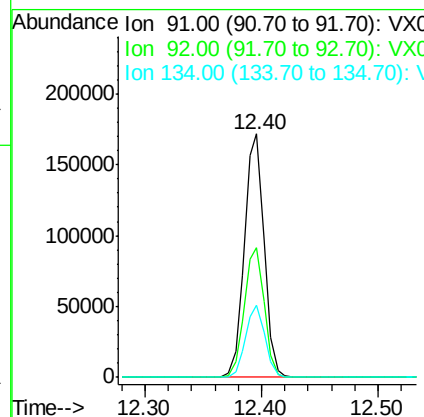
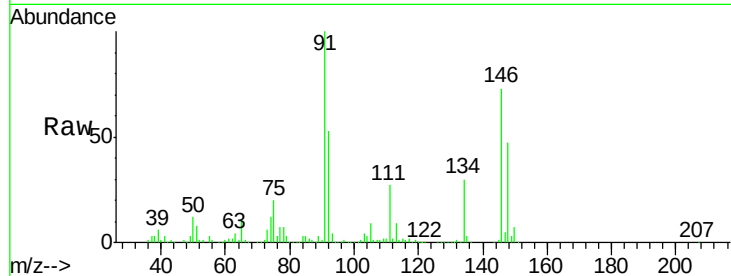
#89
n-Butylbenzene
Concen: 19.38 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	202995		
92	54.1		27.2	81.5
134	29.2		14.6	44.0

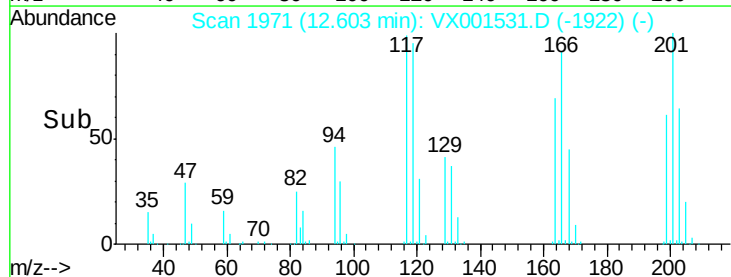
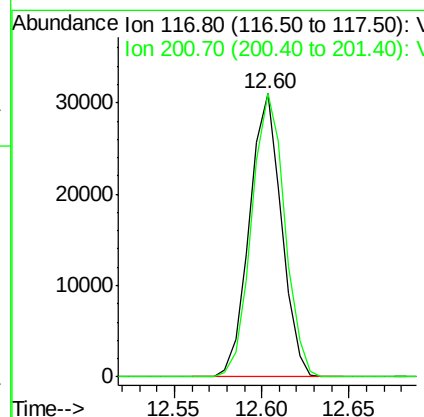
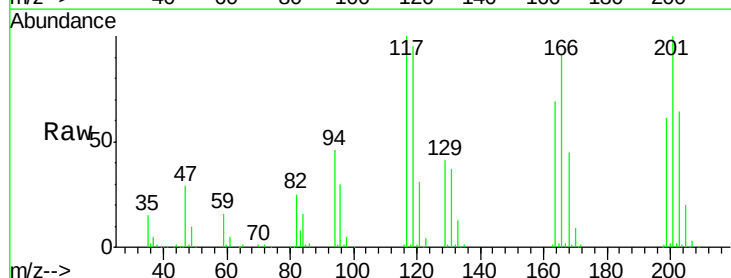
Manual Integrations
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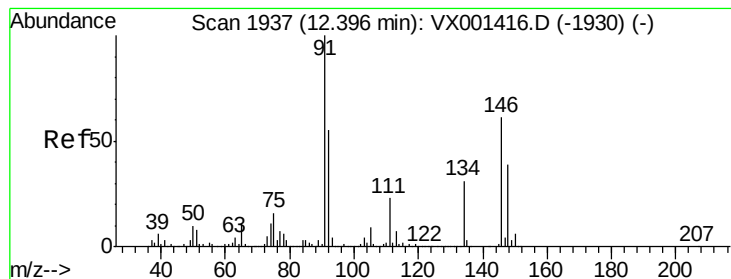
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#90
Hexachloroethane
Concen: 20.68 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39365		
201	103.3		51.5	154.5





#91

1,2-Dichlorobenzene

Concen: 20.99 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Instrument :

MSVOA_X

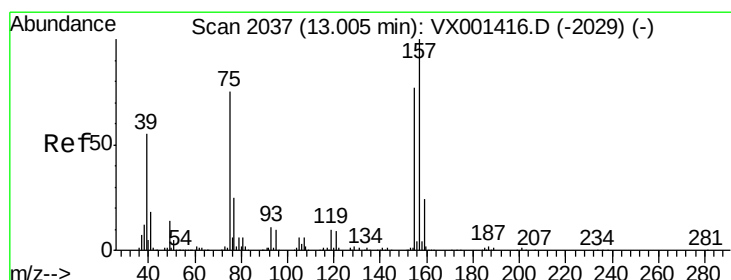
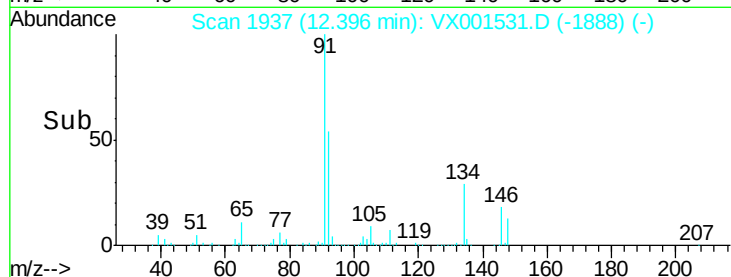
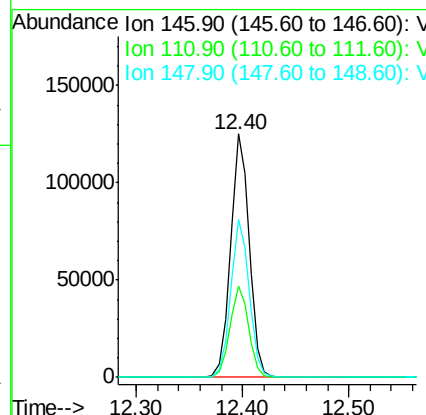
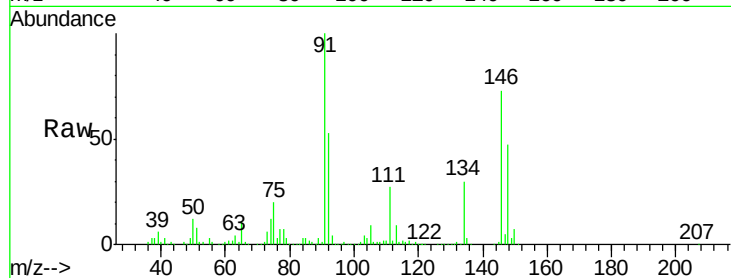
ClientSampleId :

VX0508WBS02

Tot Ion:	146	Resp:	153851
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.6	55.8
148	64.3	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.36 ug/l

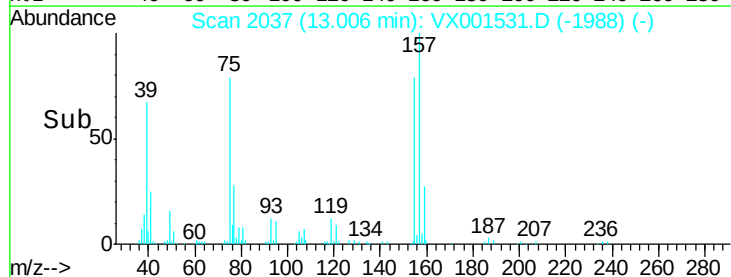
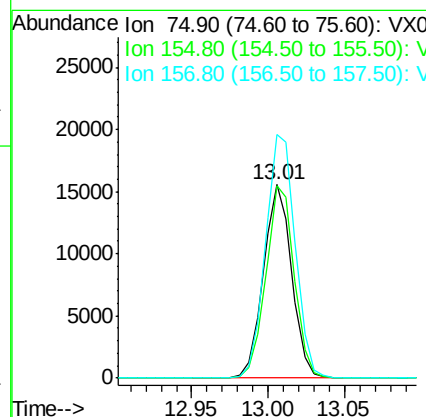
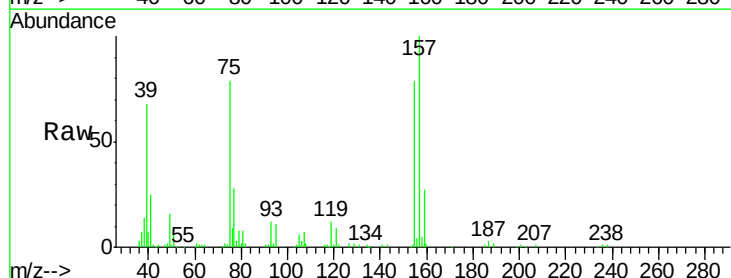
RT: 13.01 min Scan# 2037

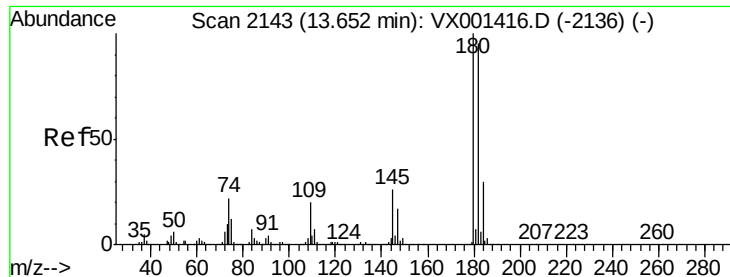
Delta R.T. 0.00 min

Lab File: VX001531.D

Acq: 08 May 2018 23:48

Tgt Ion:	75	Resp:	20107
Ion Ratio	Lower	Upper	
75	100		
155	99.6	53.4	160.2
157	131.8	68.3	204.8





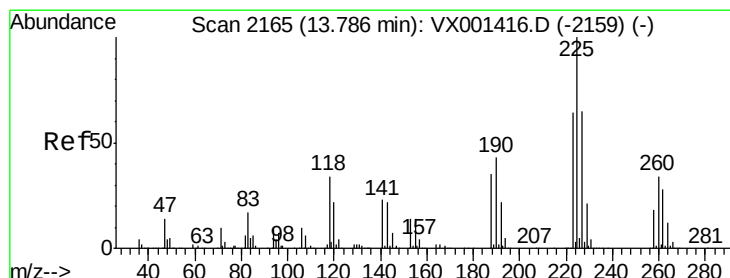
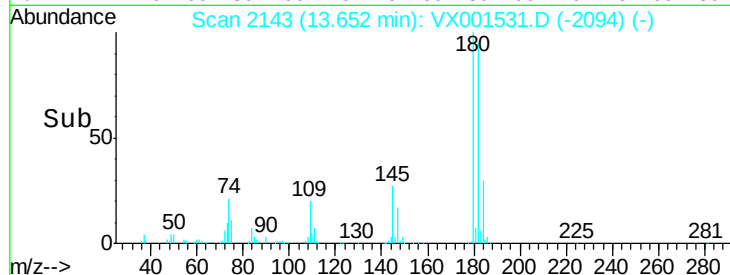
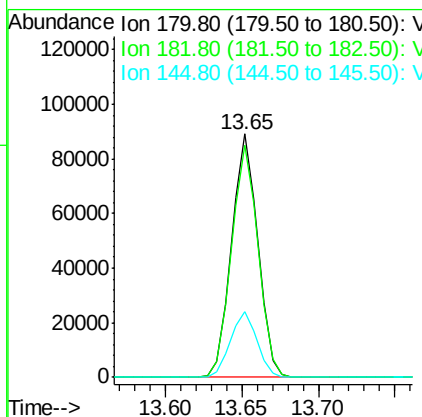
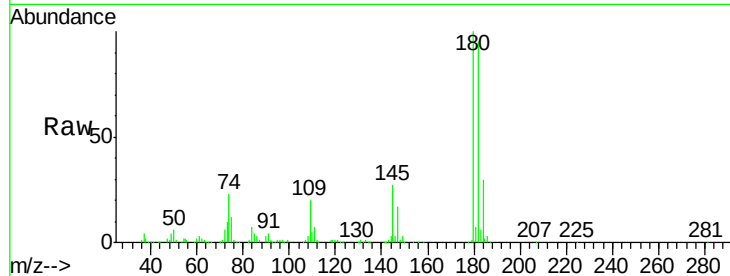
#93
 1,2,4-Trichlorobenzene
 Concen: 19.69 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	47.8	143.4	
145	27.3	13.3	39.9	

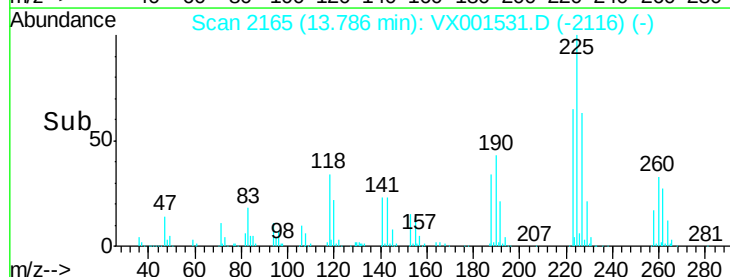
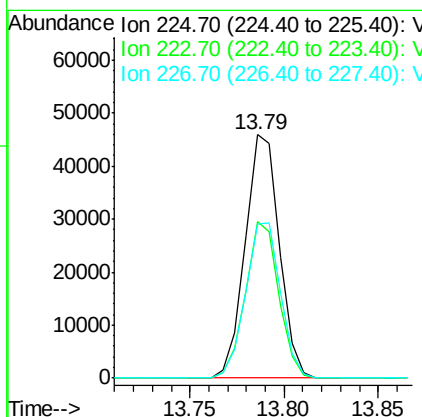
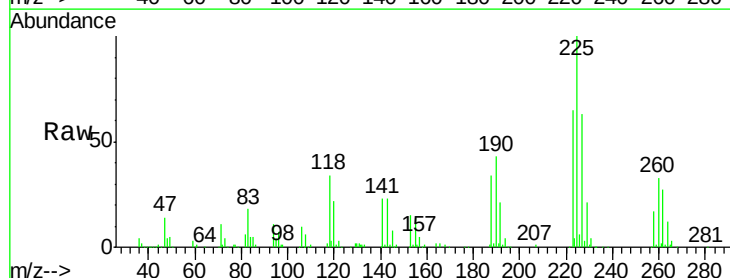
Manual Integrations
 APPROVED

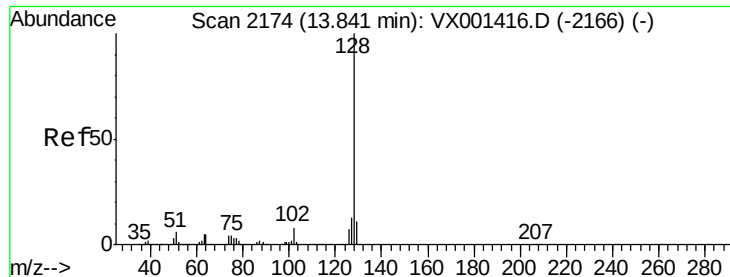
MMDadoda
 5/10/2018 1:11:29 PM



#94
 Hexachlorobutadiene
 Concen: 19.65 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001531.D
 Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.3	93.9	
227	65.2	32.4	97.2	





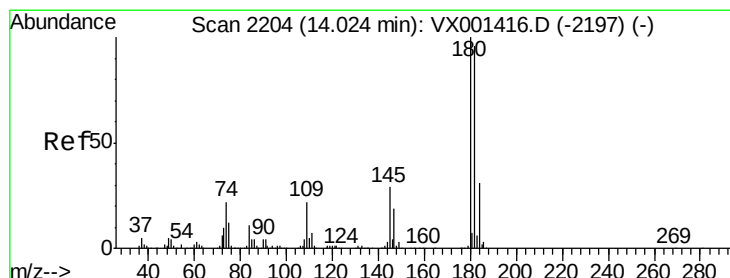
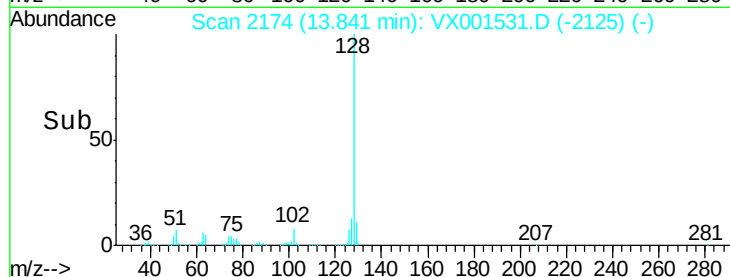
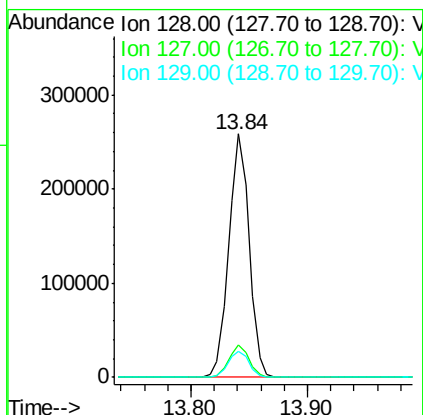
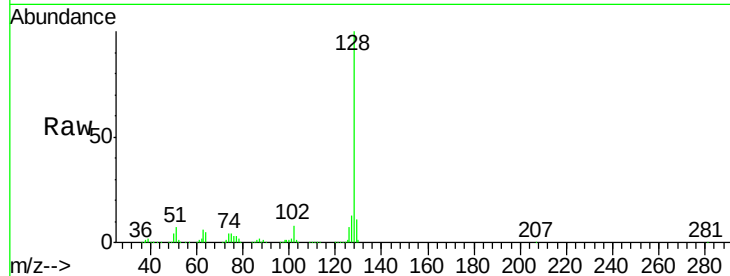
#95
Naphthalene
Concen: 21.24 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	314941		
127	13.2		10.4	15.6
129	11.1		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:11:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.58 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001531.D
Acq: 08 May 2018 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	113267		
182	97.3		48.0	144.2
145	28.9		14.1	42.4

