

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006048.D
 Acq On : 16 Nov 2018 14:28
 Operator : JC/MD
 Sample : VX1116WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:22:39 PM

Quant Time: Nov 17 01:31:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	125280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	174978	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	164668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75598	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	65334	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
35) Dibromofluoromethane	5.50	113	54676	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
50) Toluene-d8	8.71	98	200326	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.13	95	68827	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	19124	16.931	ug/l	98
3) Chloromethane	1.32	50	23648	15.953	ug/l	92
4) Vinyl Chloride	1.40	62	25474	17.118	ug/l	99
5) Bromomethane	1.64	94	9419	10.343	ug/l	98
6) Chloroethane	1.72	64	16737	18.849	ug/l	92
7) Trichlorofluoromethane	1.93	101	35879	18.163	ug/l	95
8) Diethyl Ether	2.19	74	15099	19.507	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	21545	18.964	ug/l	97
10) Methyl Iodide	2.51	142	12386	8.995	ug/l	97
11) Tert butyl alcohol	3.07	59	37733	91.455	ug/l	99
12) 1,1-Dichloroethene	2.37	96	19905	17.976	ug/l	91
13) Acrolein	2.29	56	12251	76.665	ug/l	93
14) Allyl chloride	2.73	41	45543	18.415	ug/l	99
15) Acrylonitrile	3.15	53	89579	104.767	ug/l	95
16) Acetone	2.45	43	83905	108.199	ug/l	99
17) Carbon Disulfide	2.57	76	51187	15.497	ug/l	100
18) Methyl Acetate	2.78	43	44643	20.610	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	77590	20.530	ug/l	96
20) Methylene Chloride	2.86	84	23793	18.678	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	22335	19.123	ug/l	98
22) Diisopropyl ether	3.87	45	84686	19.547	ug/l	# 94
23) Vinyl Acetate	3.82	43	326059	87.777	ug/l	100
24) 1,1-Dichloroethane	3.70	63	45952	19.881	ug/l	99
25) 2-Butanone	4.70	43	125467	102.912	ug/l	95
26) 2,2-Dichloropropane	4.59	77	31361	18.496	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	25488	19.763	ug/l	97
28) Bromochloromethane	5.01	49	21448	20.763	ug/l	94
29) Tetrahydrofuran	5.15	42	77414	98.894	ug/l	97
30) Chloroform	5.21	83	43633	19.566	ug/l	100
31) Cyclohexane	5.57	56	35241	17.564	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	35328	18.993	ug/l	100
36) 1,1-Dichloropropene	5.80	75	31233	18.516	ug/l	98
37) Ethyl Acetate	4.85	43	43609	19.659	ug/l	99
38) Carbon Tetrachloride	5.78	117	30820	18.251	ug/l	91

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Quant Time: Nov 17 01:31:09 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	28374	16.596	ug/l	94
40) Benzene	6.14	78	102158	20.774	ug/l	98
41) Methacrylonitrile	5.06	41	23060	19.239	ug/l	97
42) 1,2-Dichloroethane	6.20	62	33897	19.245	ug/l	99
43) Isopropyl Acetate	6.45	43	62754	19.524	ug/l	97
44) Trichloroethene	7.22	130	23085	18.485	ug/l	83
45) 1,2-Dichloropropane	7.52	63	22646	18.973	ug/l	98
46) Dibromomethane	7.66	93	14031	18.734	ug/l	93
47) Bromodichloromethane	7.90	83	27250	19.252	ug/l	99
48) Methyl methacrylate	7.77	41	27682	19.180	ug/l	99
49) 1,4-Dioxane	7.75	88	12224	393.056	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	204387	100.895	ug/l	99
52) Toluene	8.78	92	57737	21.008	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	31442	18.823	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	33273	19.543	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	26229	21.414	ug/l	96
56) Ethyl methacrylate	9.18	69	37761	20.604	ug/l	97
57) 1,3-Dichloropropane	9.37	76	42344	20.572	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	98113	103.271	ug/l	99
59) 2-Hexanone	9.49	43	185937	104.132	ug/l	96
60) Dibromochloromethane	9.59	129	26084	19.705	ug/l	98
61) 1,2-Dibromoethane	9.67	107	28231	20.844	ug/l	99
64) Tetrachloroethene	9.34	164	30081	21.456	ug/l	89
65) Chlorobenzene	10.14	112	73426	22.258	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	22982	20.039	ug/l	97
67) Ethyl Benzene	10.25	91	109962	20.788	ug/l	92
68) m/p-Xylenes	10.36	106	87911	43.570	ug/l	90
69) o-Xylene	10.70	106	39481	21.821	ug/l	99
70) Styrene	10.71	104	67069	22.471	ug/l	98
71) Bromoform	10.85	173	19241	20.014	ug/l #	98
73) Isopropylbenzene	11.02	105	108652	24.853	ug/l	100
74) N-amyl acetate	10.90	43	51626	21.771	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	34701	21.626	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	33637m	21.852	ug/l	
77) Bromobenzene	11.26	156	26367	21.398	ug/l	99
78) n-propylbenzene	11.36	91	112784	21.890	ug/l	99
79) 2-Chlorotoluene	11.42	91	68116	21.873	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	82328	22.160	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	10668	22.088	ug/l	98
82) 4-Chlorotoluene	11.51	91	79833	21.752	ug/l	100
83) tert-Butylbenzene	11.77	119	77551	20.634	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	85425	20.766	ug/l	100
85) sec-Butylbenzene	11.94	105	99156	21.574	ug/l	99
86) p-Isopropyltoluene	12.07	119	87760	21.557	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	48679	20.585	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	49057	20.264	ug/l	99
89) n-Butylbenzene	12.39	91	74682	19.793	ug/l	99
90) Hexachloroethane	12.60	117	14254	20.971	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	48704	20.559	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8142	20.793	ug/l	96

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ClientSampleId :
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	35985	21.577	ug/l	99
94) Hexachlorobutadiene	13.79	225	16836	19.218	ug/l	99
95) Naphthalene	13.83	128	110724	21.056	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	36631	21.560	ug/l	100

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

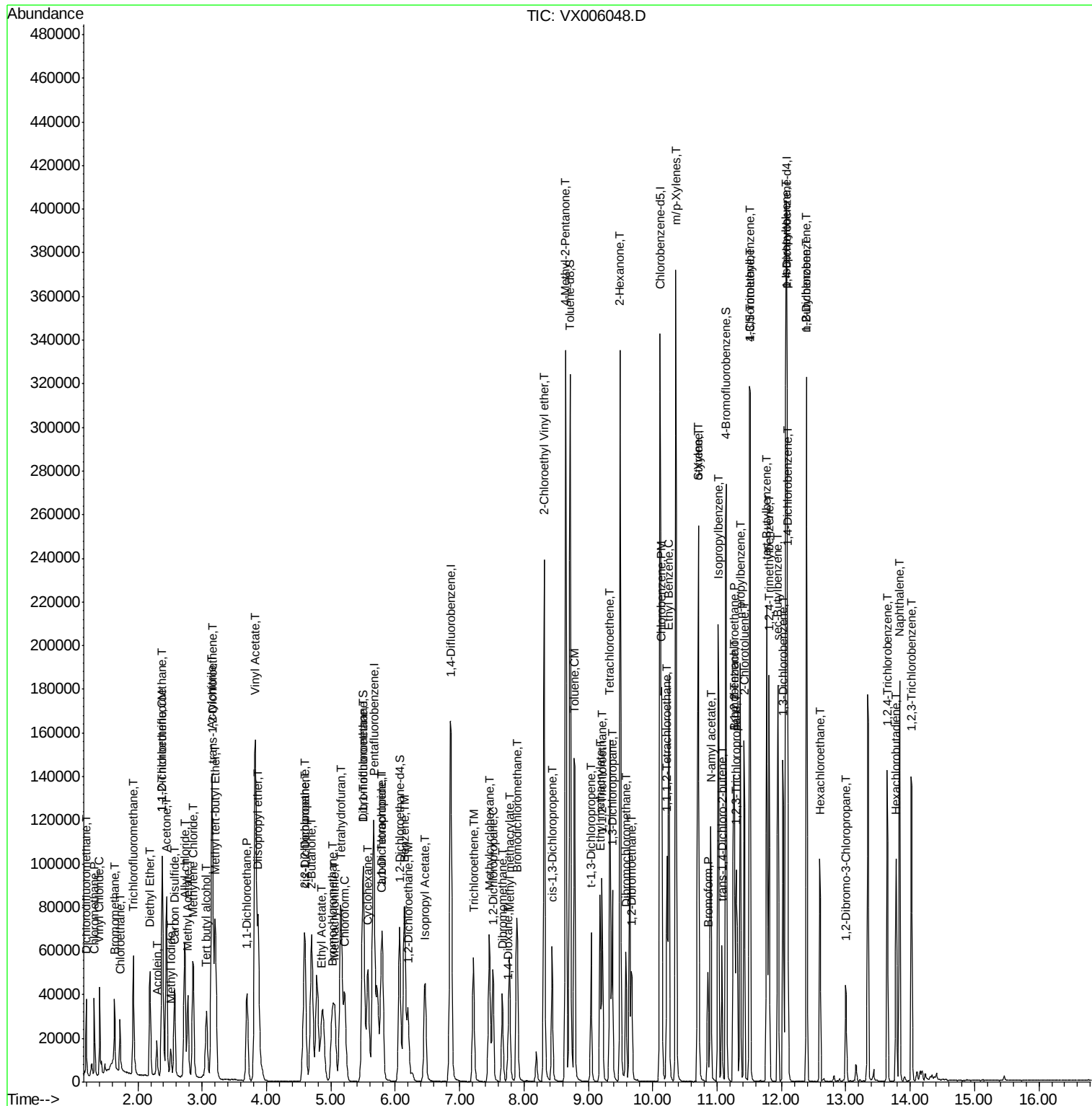
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Data File : VX006048.D
Acq On : 16 Nov 2018 14:28
Operator : JC/MD
Sample : VX1116WBSD01
Misc : 5.0mL/MSVOA X/WATER
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion:168 Resp: 125280

Ion Ratio Lower Upper

168 100

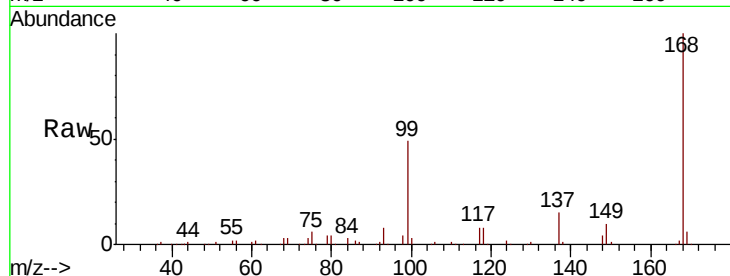
99 49.0 40.7 61.1

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

40000

30000

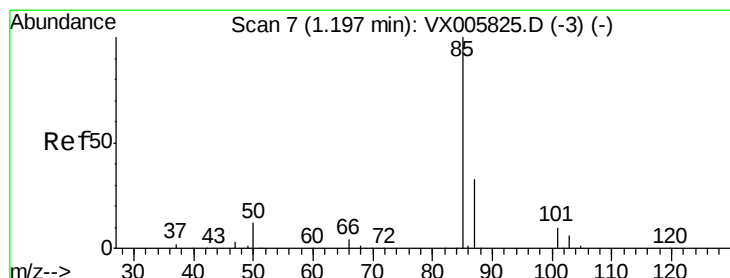
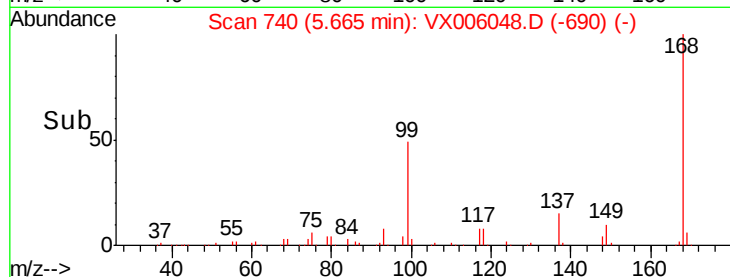
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.931 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006048.D

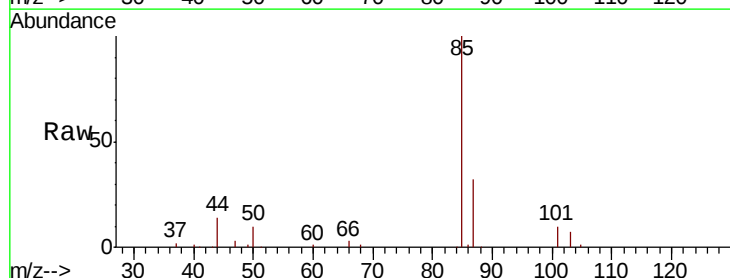
Acq: 16 Nov 2018 14:28

Tgt Ion: 85 Resp: 19124

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

20000

15000

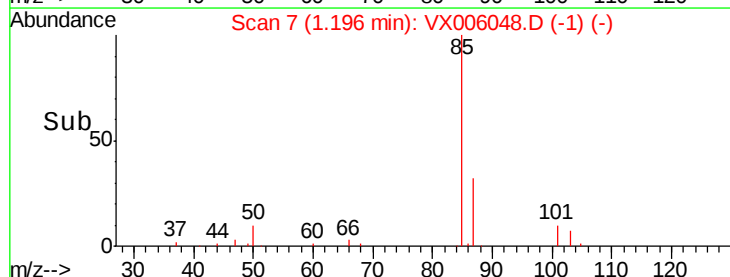
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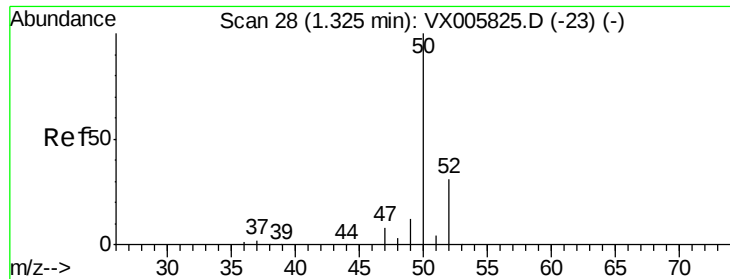
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.953 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 50 Resp: 23648

Ion Ratio Lower Upper

50 100

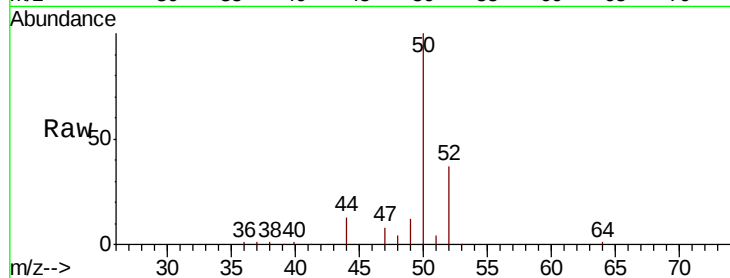
52 37.1 26.2 39.2

Manual Integrations

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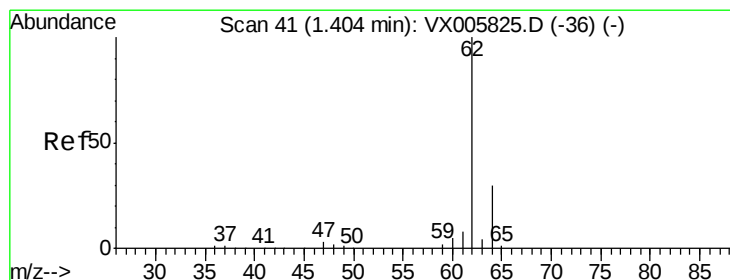
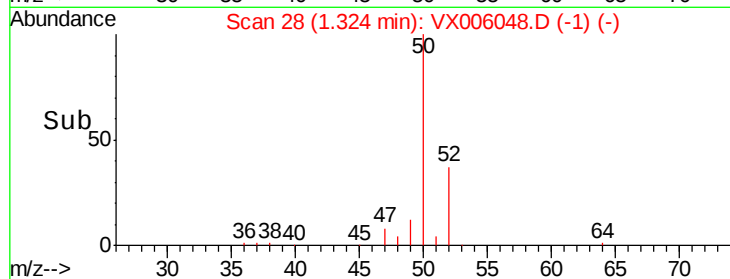
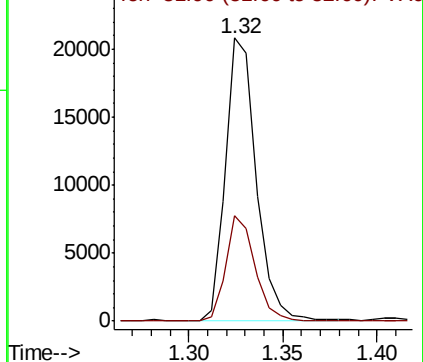
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.118 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX006048.D

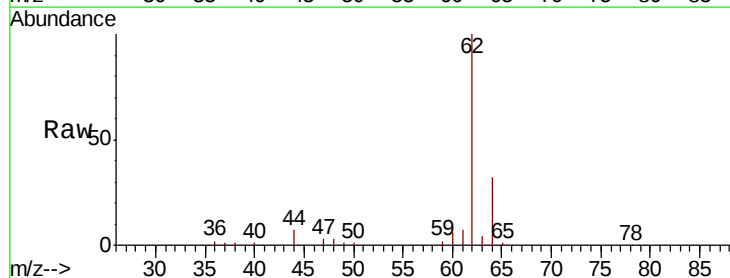
Acq: 16 Nov 2018 14:28

Tgt Ion: 62 Resp: 25474

Ion Ratio Lower Upper

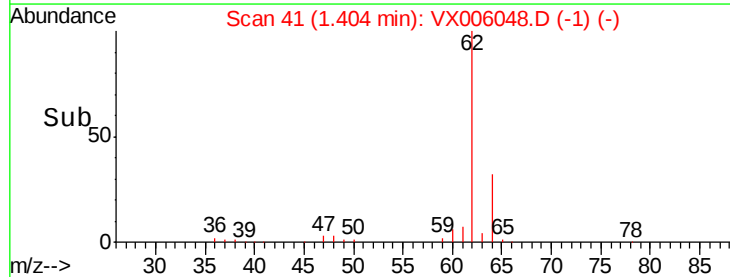
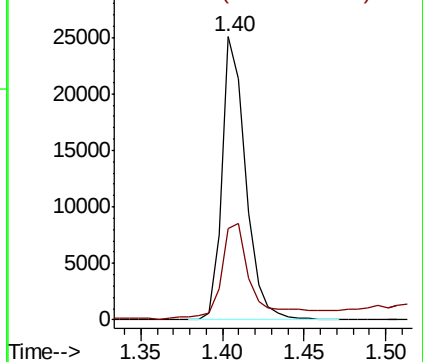
62 100

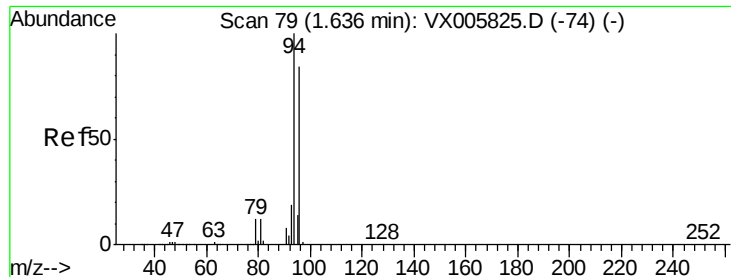
64 31.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 10.343 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 94 Resp: 9419

Ion Ratio Lower Upper

94 100

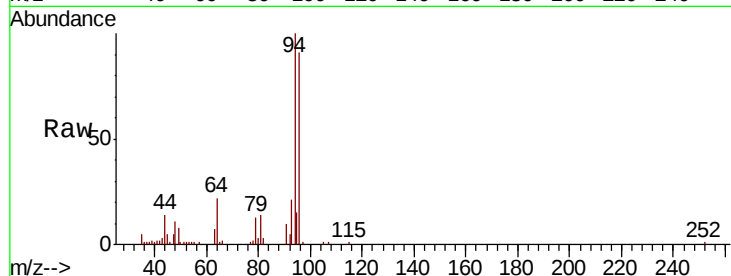
96 91.6 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

10000

8000

6000

4000

2000

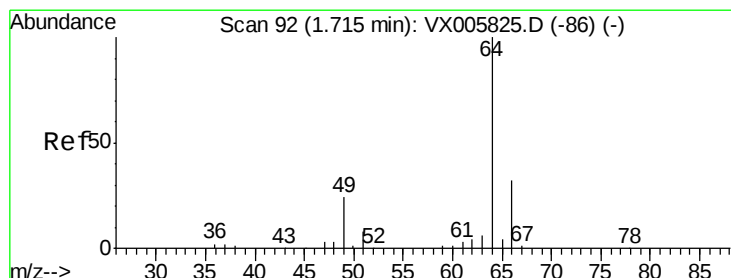
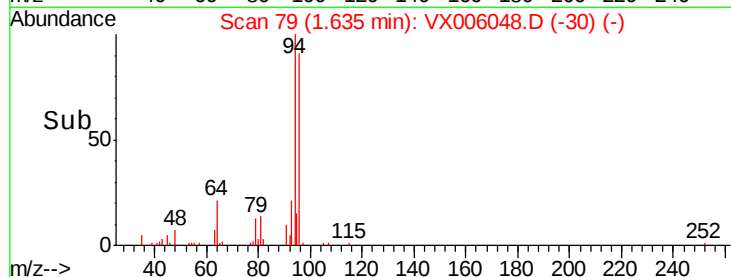
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 18.849 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006048.D

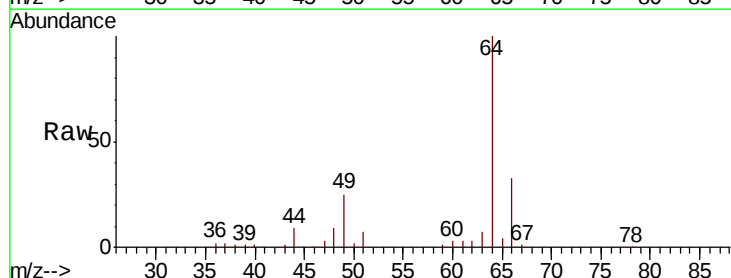
Acq: 16 Nov 2018 14:28

Tgt Ion: 64 Resp: 16737

Ion Ratio Lower Upper

64 100

66 36.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

15000

10000

5000

0

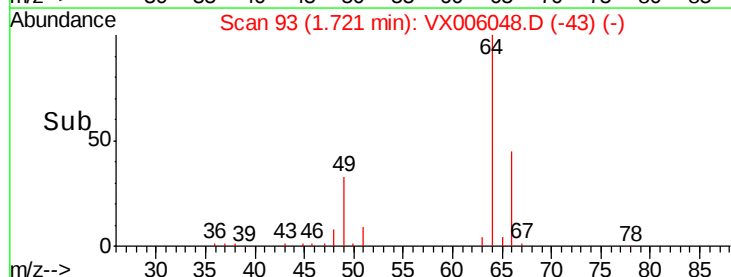
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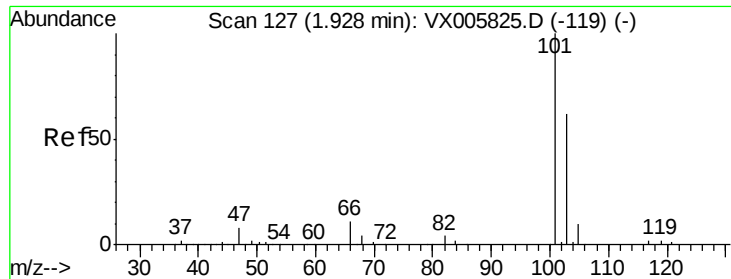
1.70

1.75

1.80

Time-->





#7

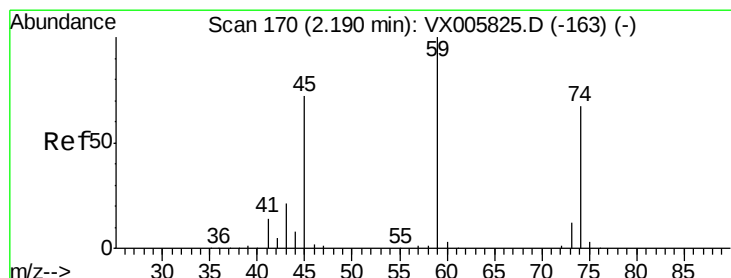
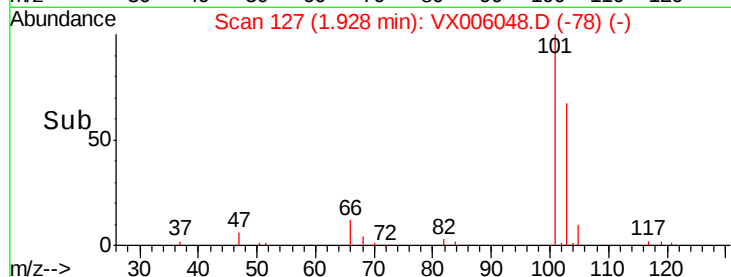
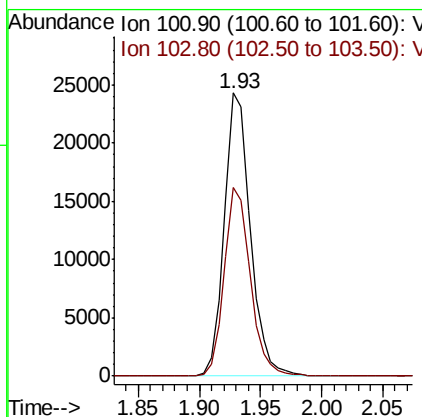
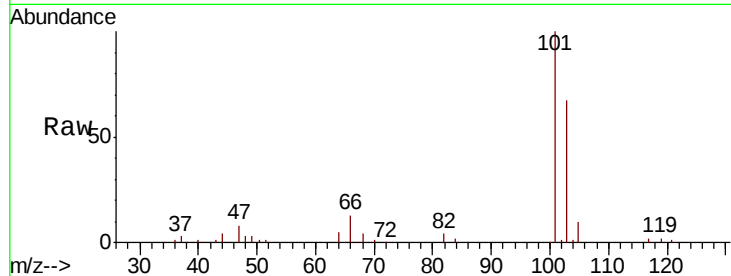
Trichlorofluoromethane
Concen: 18.163 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion:101 Resp: 35879
Ion Ratio Lower Upper
101 100
103 66.6 50.0 75.0

Manual Integrations
APPROVED

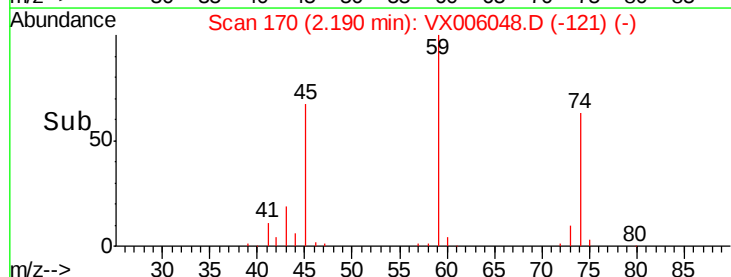
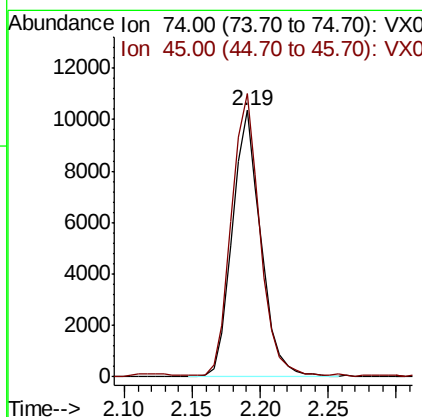
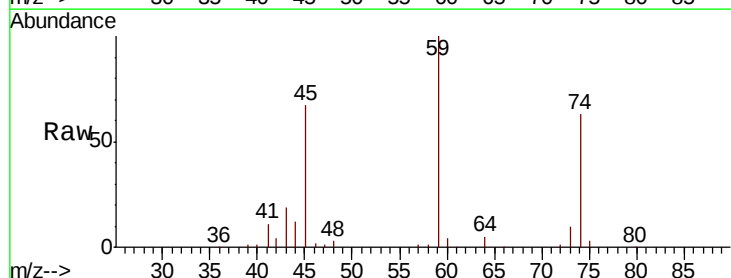
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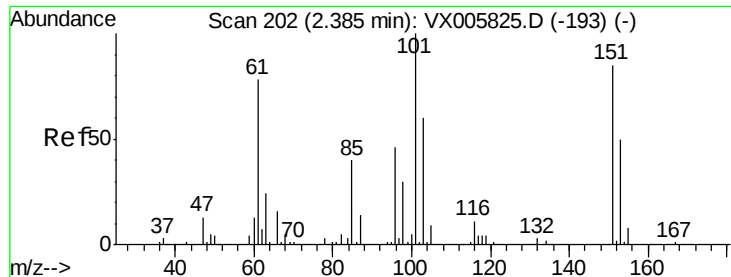


#8

Diethyl Ether
Concen: 19.507 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion: 74 Resp: 15099
Ion Ratio Lower Upper
74 100
45 107.9 54.1 162.3





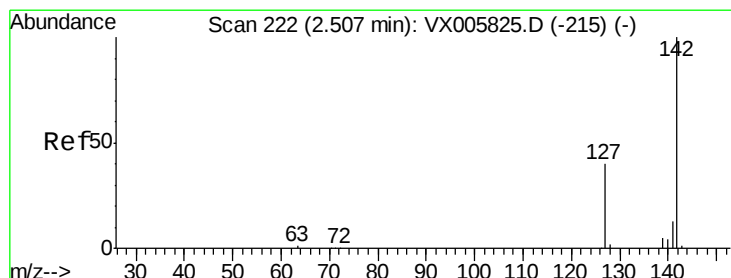
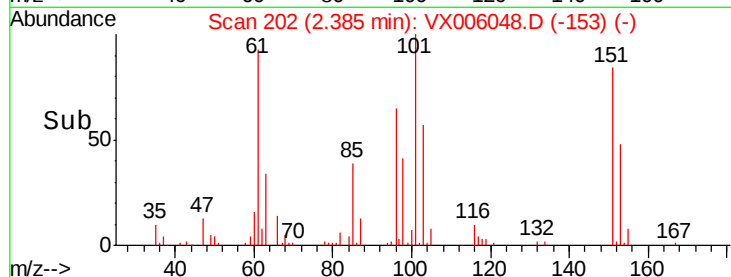
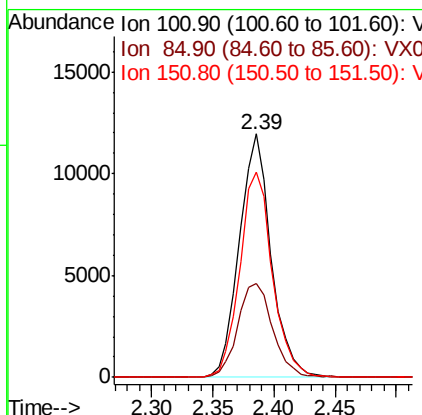
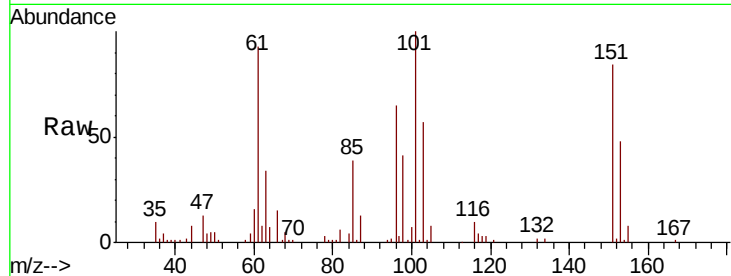
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.964 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	21545		
85	42.5	35.0	52.4	
151	86.6	66.2	99.2	

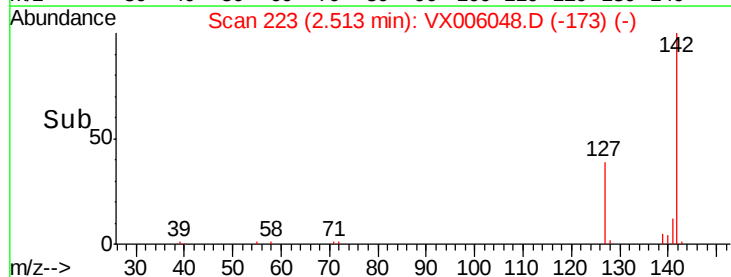
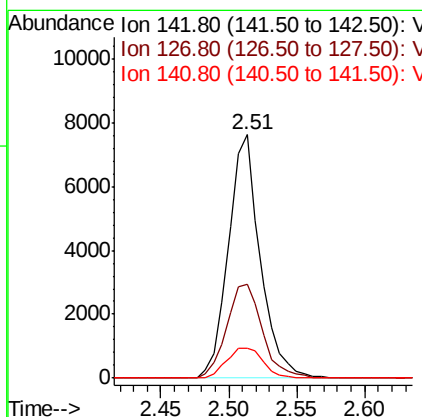
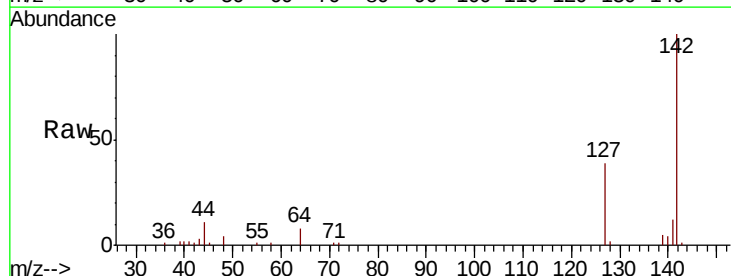
Manual Integrations
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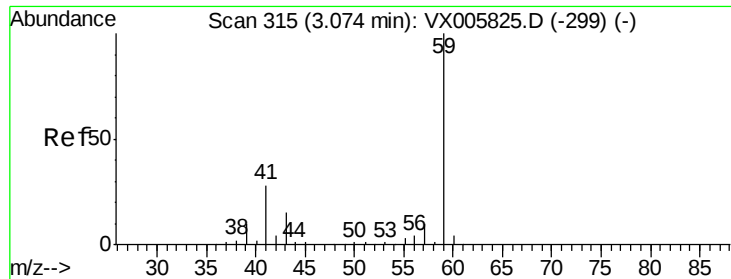
MMDadoda
 11/19/2018 12:22:39 PM



#10
 Methyl Iodide
 Concen: 8.995 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	12386		
127	43.0	36.0	54.0	
141	14.1	11.7	17.5	





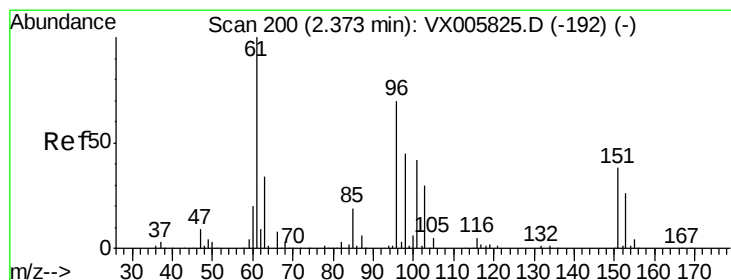
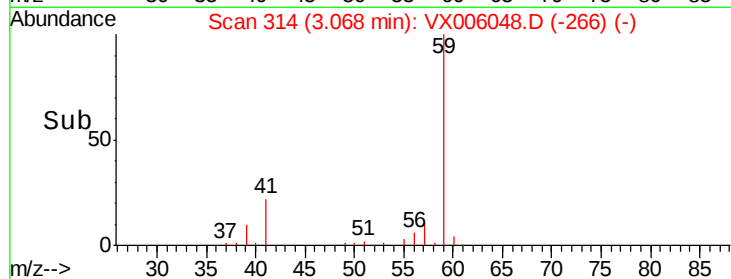
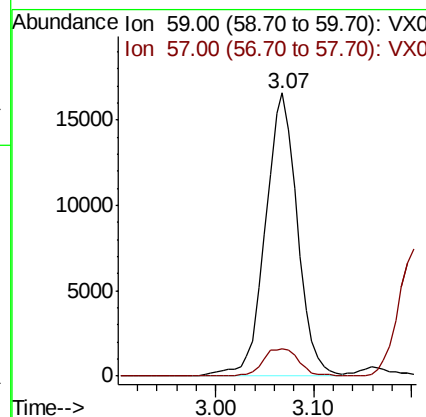
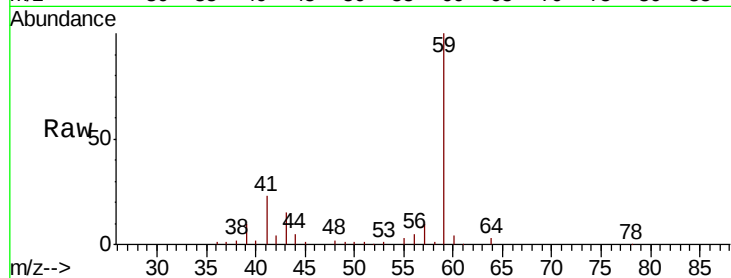
#11
Tert butyl alcohol
Concen: 91.455 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion: 59 Resp: 37733
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

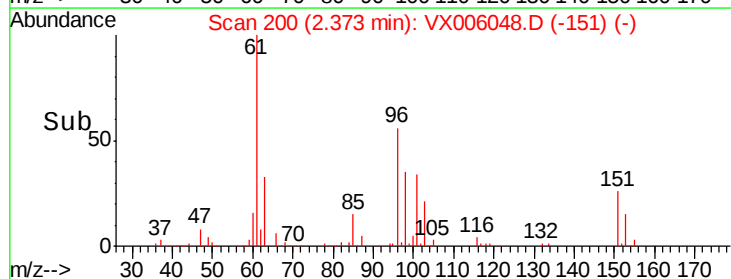
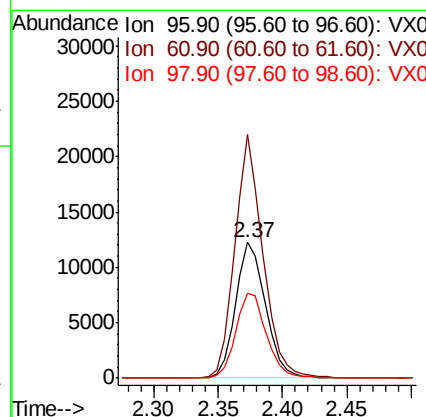
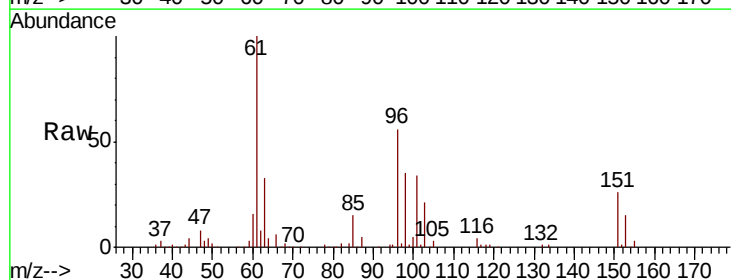
Manual Integrations
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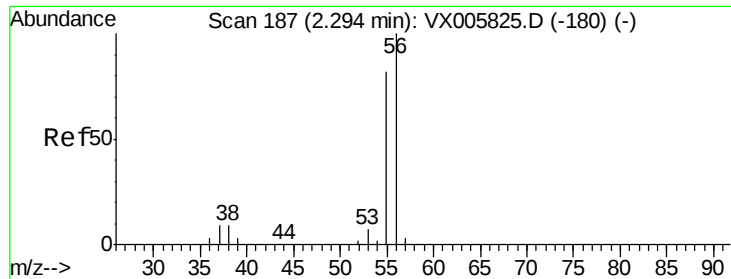
MMDadoda
11/19/2018 12:22:39 PM



#12
1,1-Dichloroethene
Concen: 17.976 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion: 96 Resp: 19905
Ion Ratio Lower Upper
96 100
61 179.0 131.8 197.8
98 62.3 53.4 80.2





#13

Acrolein

Concen: 76.665 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 56 Resp: 12251

Ion Ratio Lower Upper

56 100

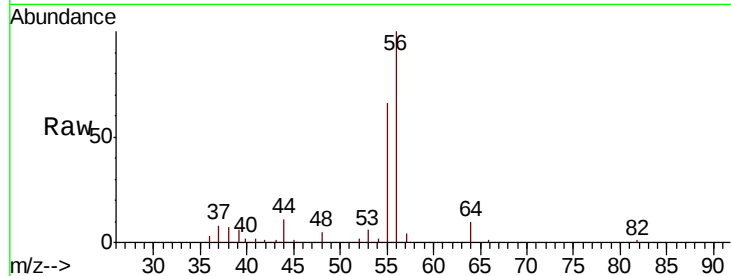
55 65.6 57.3 85.9

Manual Integrations

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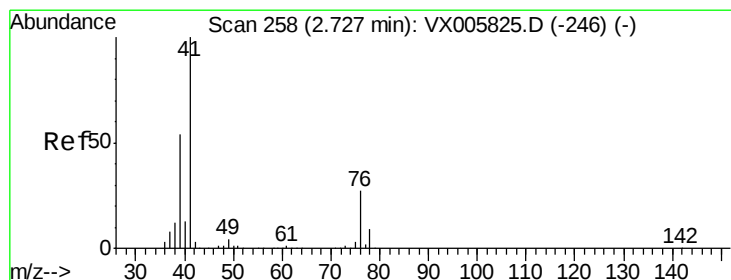
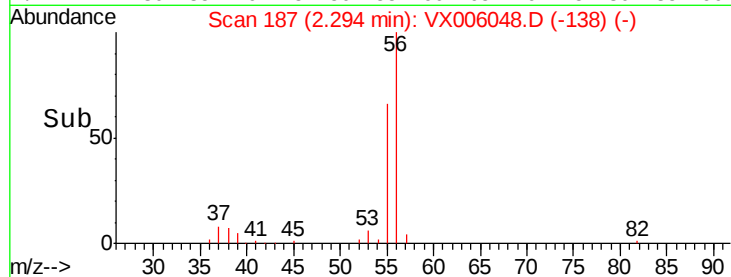
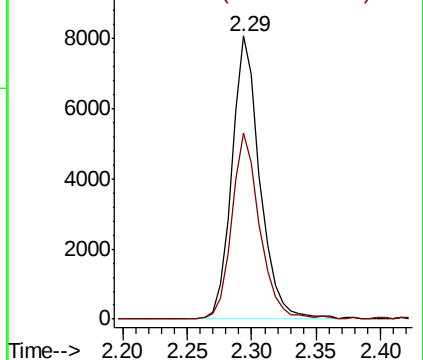
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.415 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

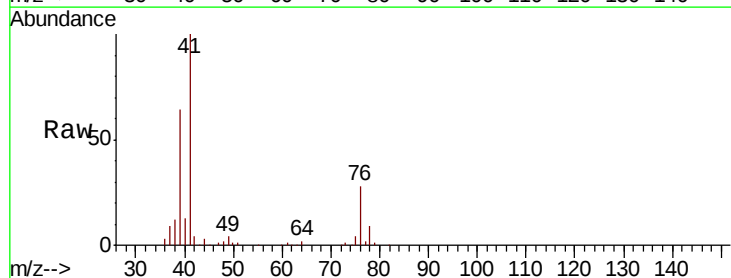
Tgt Ion: 41 Resp: 45543

Ion Ratio Lower Upper

41 100

39 60.8 48.2 72.4

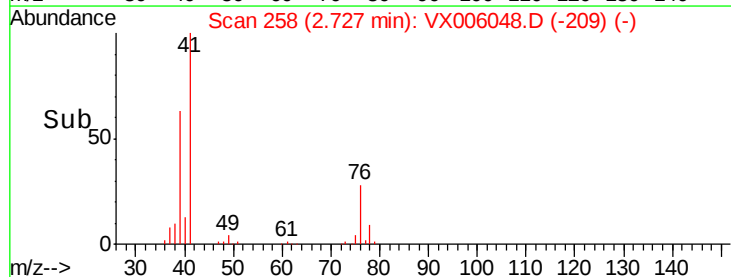
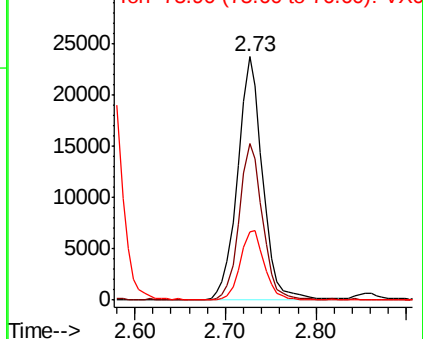
76 27.6 21.9 32.9

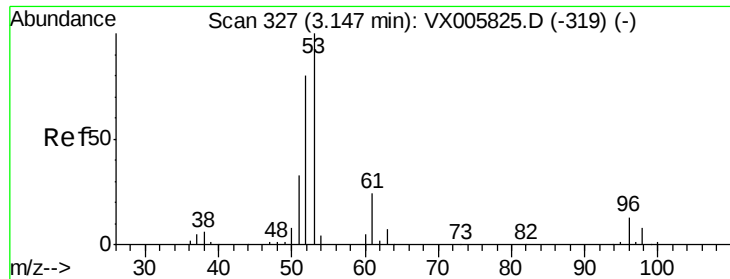


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 104.767 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

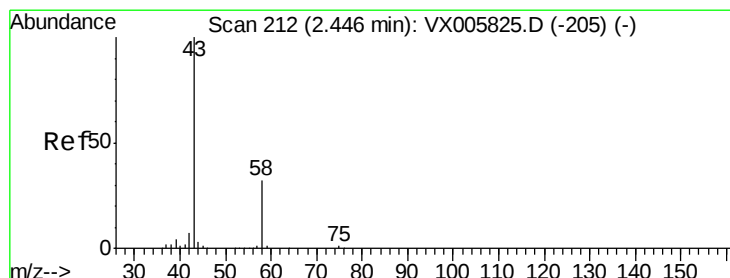
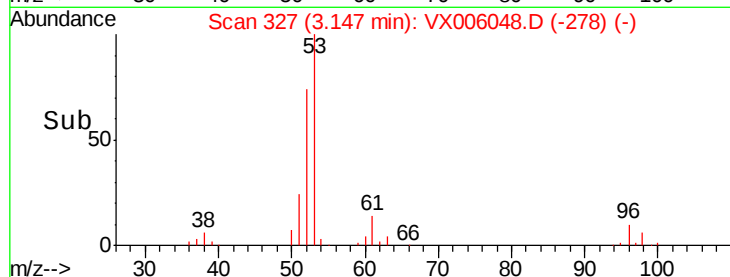
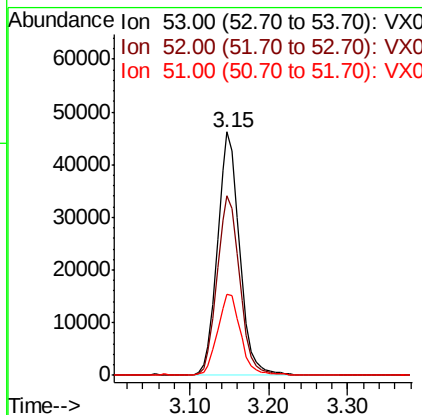
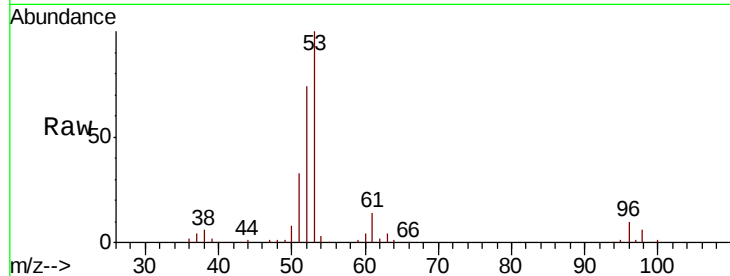
ClientSampleId :

VX1116WBSD01

Tot Ion:	53	Resp:	89579
Ion Ratio	Lower	Upper	
53	100		
52	76.4	66.6	99.8
51	35.4	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 108.199 ug/l

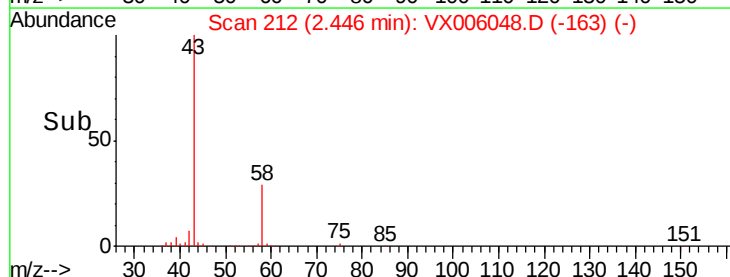
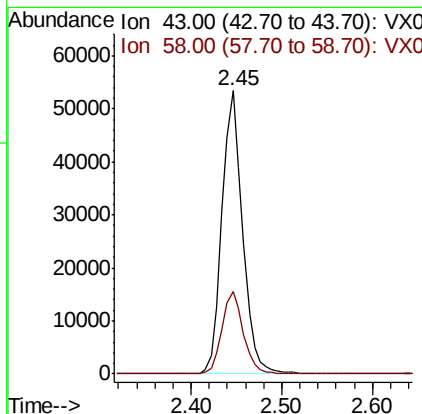
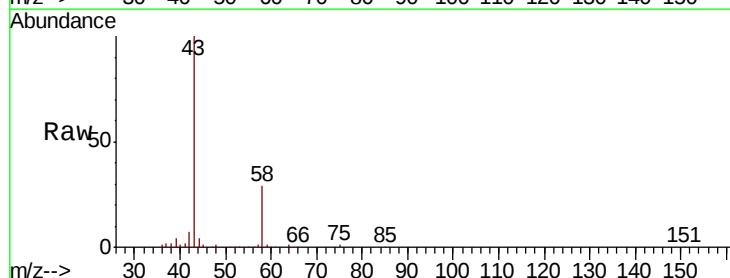
RT: 2.45 min Scan# 212

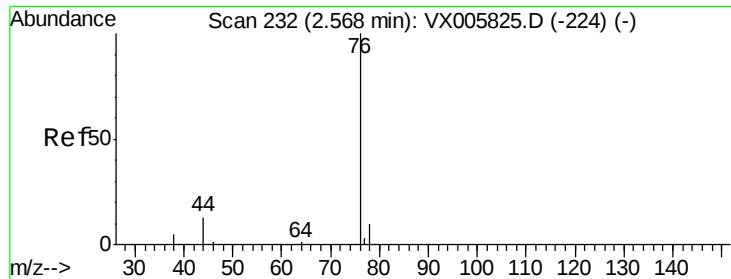
Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Tgt Ion:	43	Resp:	83905
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.8	35.6





#17

Carbon Disulfide

Concen: 15.497 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 76 Resp: 51187

Ion Ratio Lower Upper

76 100

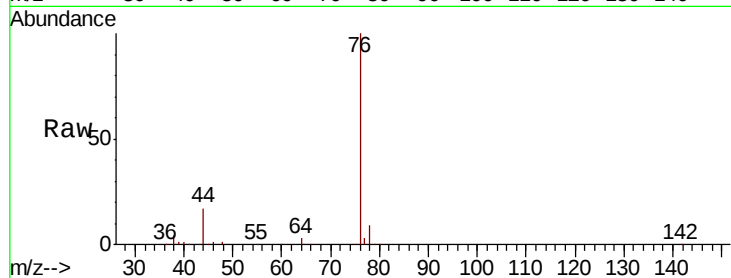
78 9.0 7.3 10.9

Manual Integrations

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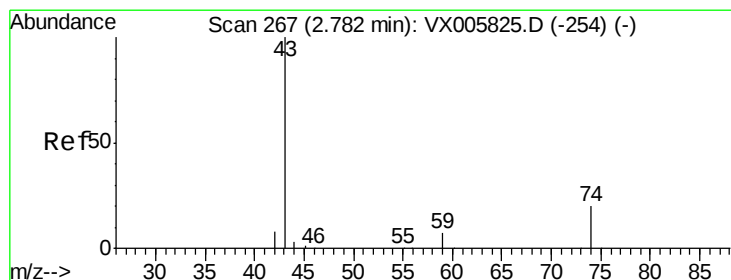
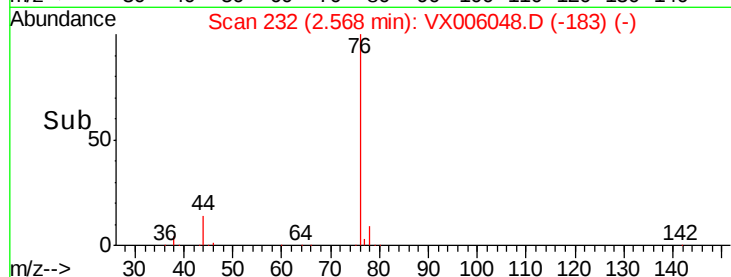
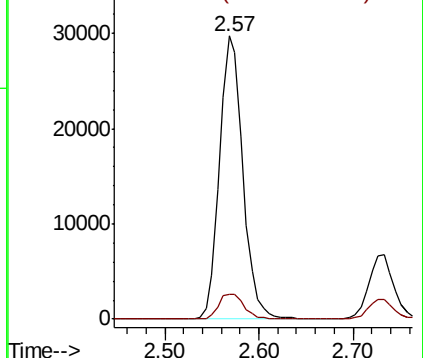
MMDadoda

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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: 20.610 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006048.D

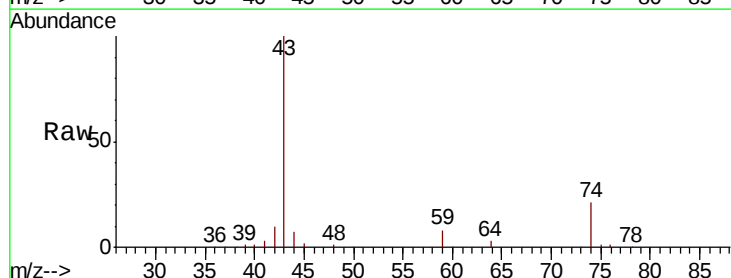
Acq: 16 Nov 2018 14:28

Tgt Ion: 43 Resp: 44643

Ion Ratio Lower Upper

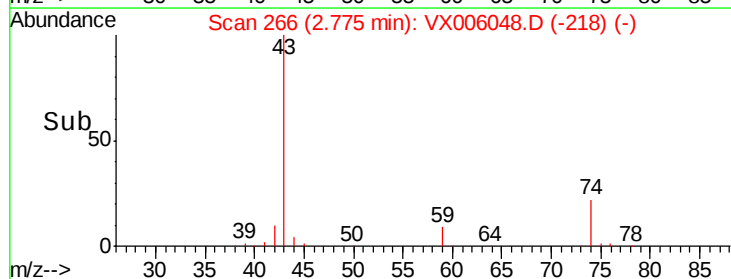
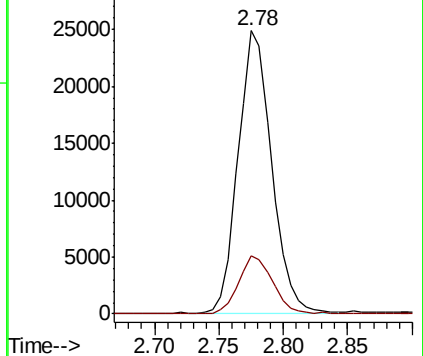
43 100

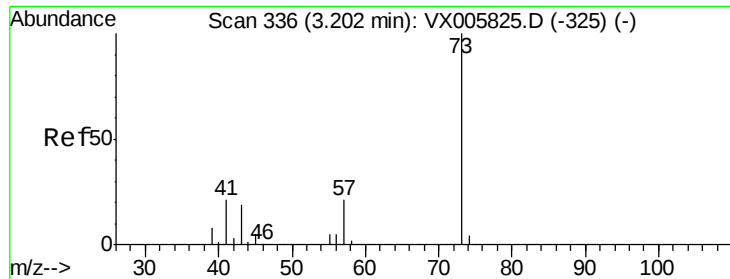
74 21.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





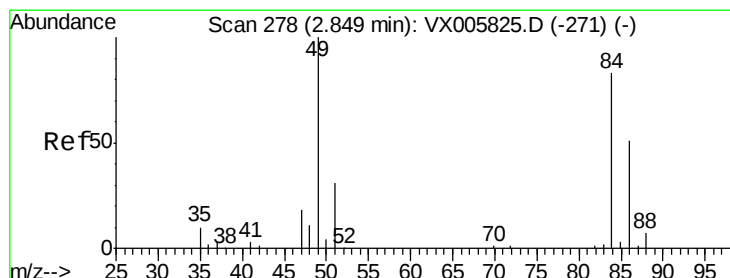
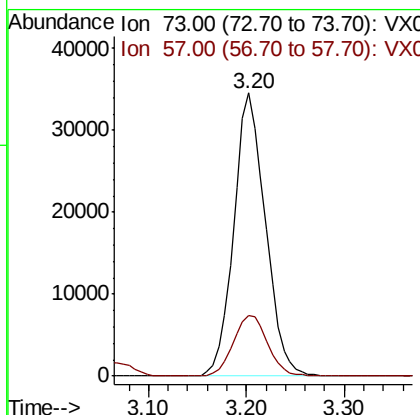
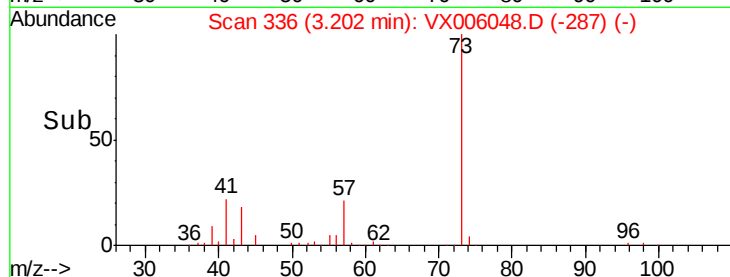
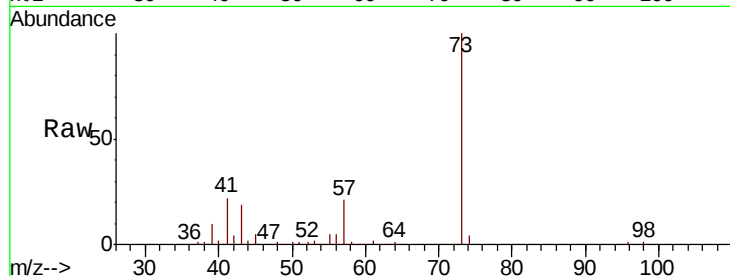
#19
Methyl tert-butyl Ether
Concen: 20.530 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion: 73 Resp: 77590
Ion Ratio Lower Upper
73 100
57 21.5 18.8 28.2

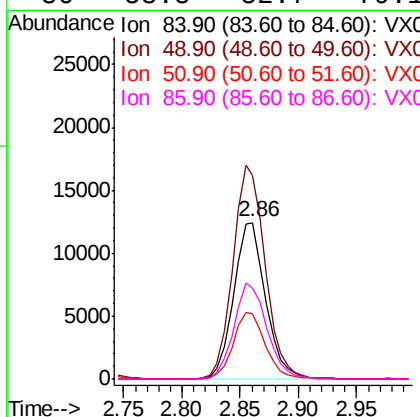
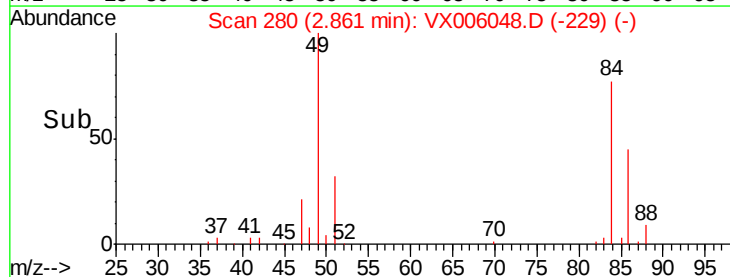
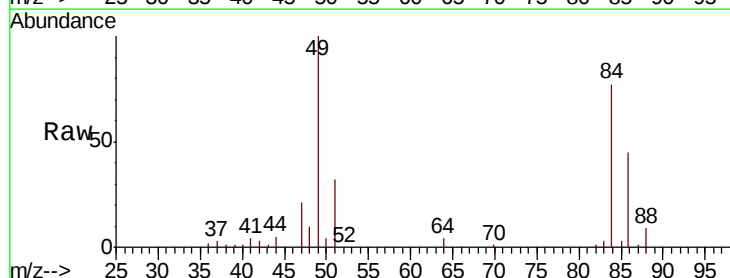
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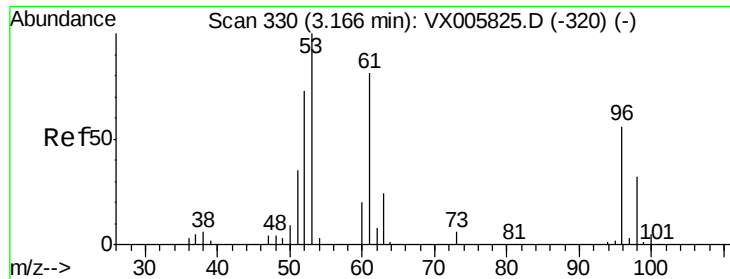
MMDadoda
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#20
Methylene Chloride
Concen: 18.678 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion: 84 Resp: 23793
Ion Ratio Lower Upper
84 100
49 130.2 109.5 164.3
51 41.9 33.3 49.9
86 58.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.123 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 96 Resp: 22335

Ion Ratio Lower Upper

96 100

61 146.5 115.6 173.4

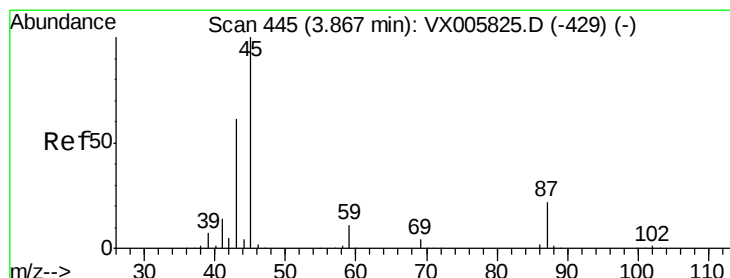
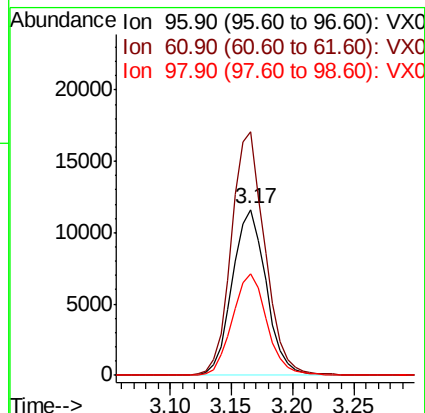
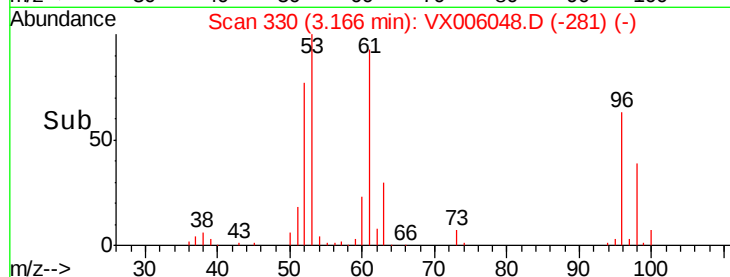
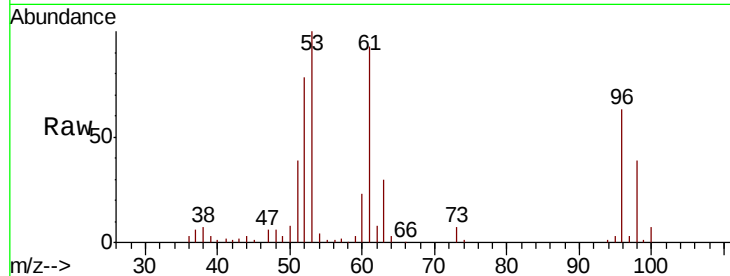
98 61.3 50.2 75.2

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#22

Diisopropyl ether

Concen: 19.547 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Tgt Ion: 45 Resp: 84686

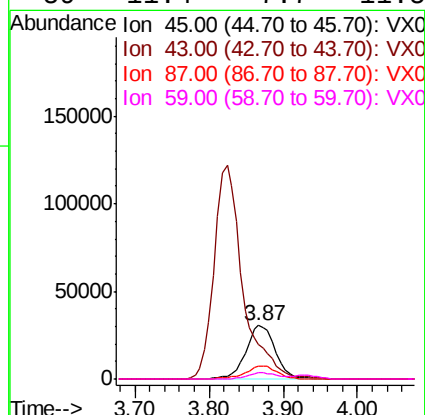
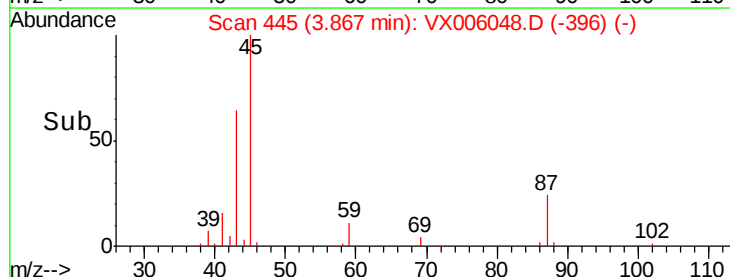
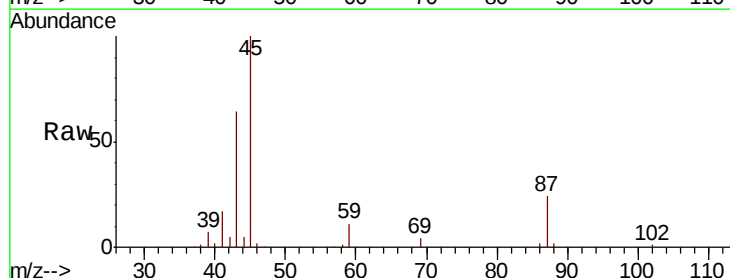
Ion Ratio Lower Upper

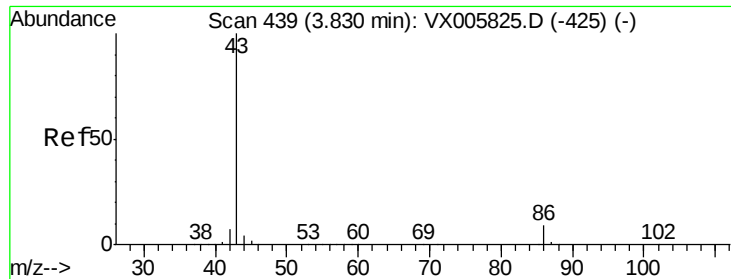
45 100

43 63.7 47.4 71.2

87 24.0 15.9 23.9#

59 11.4 7.7 11.5





#23

Vinyl Acetate

Concen: 87.777 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 43 Resp: 326059

Ion Ratio Lower Upper

43 100

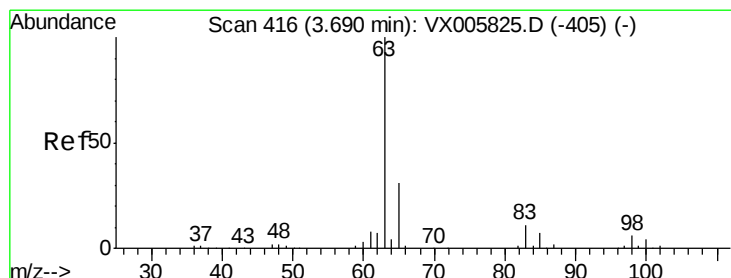
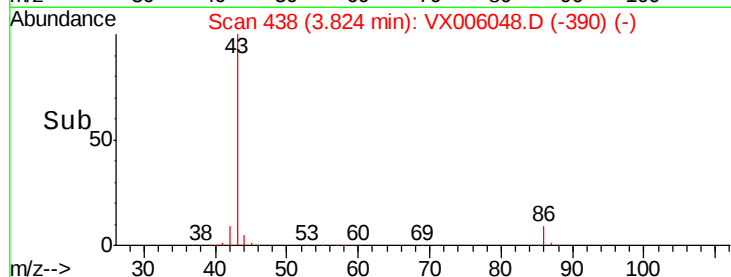
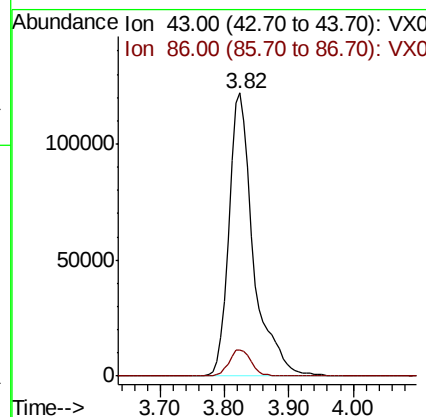
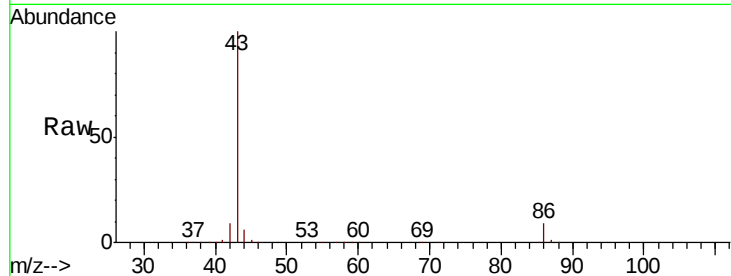
86 9.3 7.4 11.2

Manual Integrations

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11/19/2018 12:22:39 PM



#24

1,1-Dichloroethane

Concen: 19.881 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

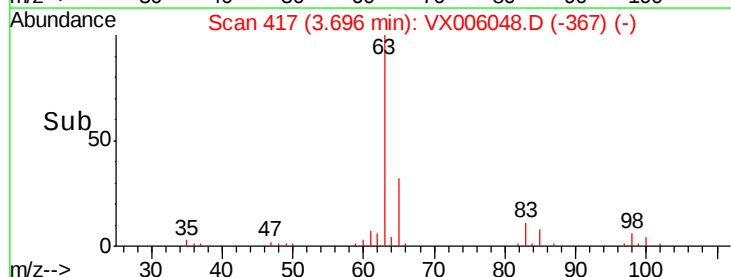
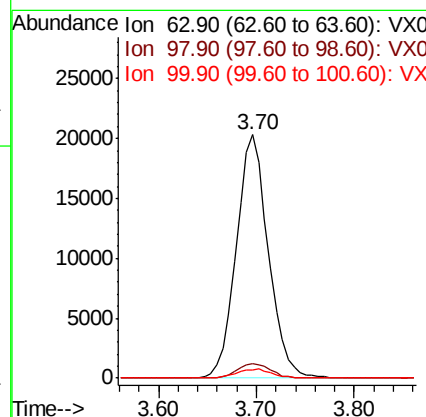
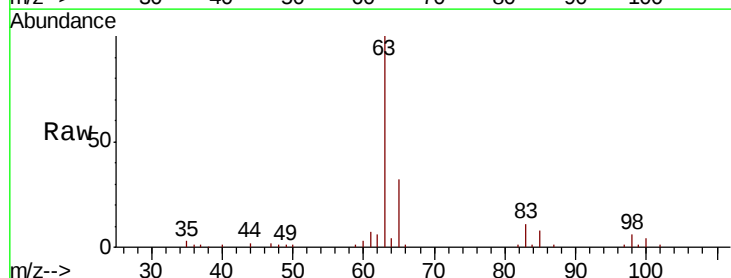
Tgt Ion: 63 Resp: 45952

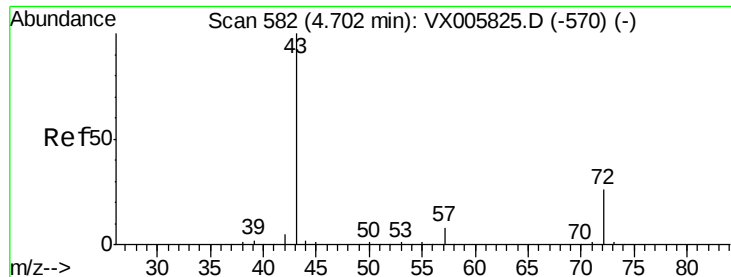
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 3.5 2.1 6.2





#25

2-Butanone

Concen: 102.912 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 43 Resp: 125467

Ion Ratio Lower Upper

43 100

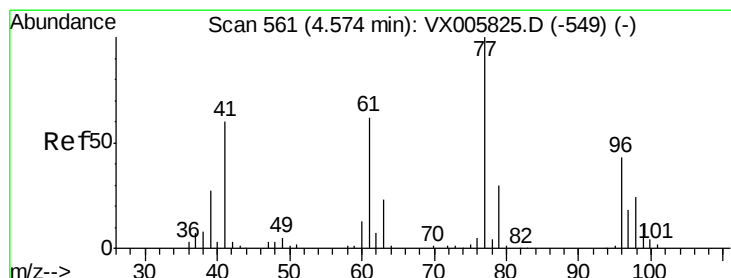
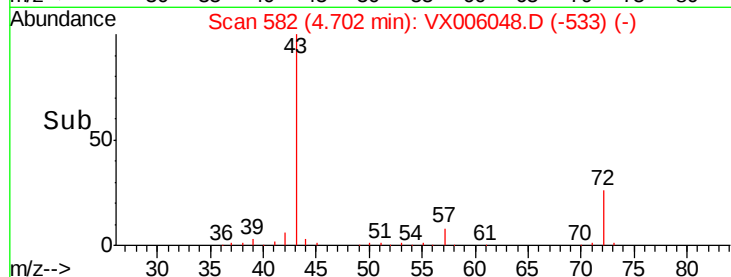
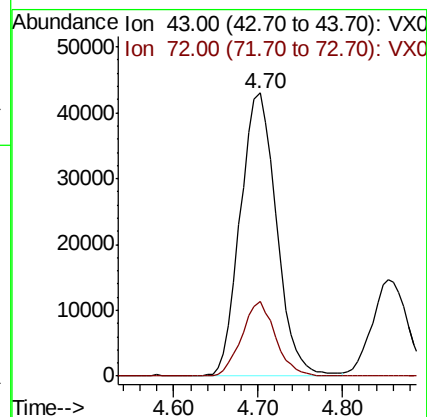
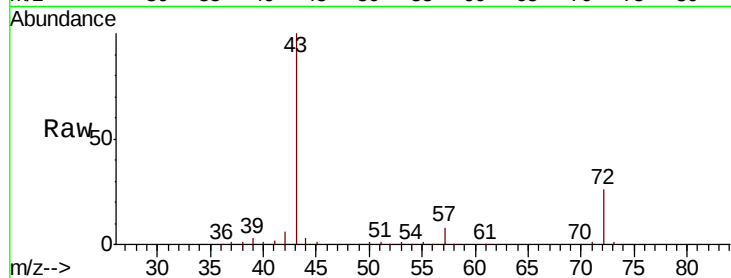
72 26.4 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.496 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006048.D

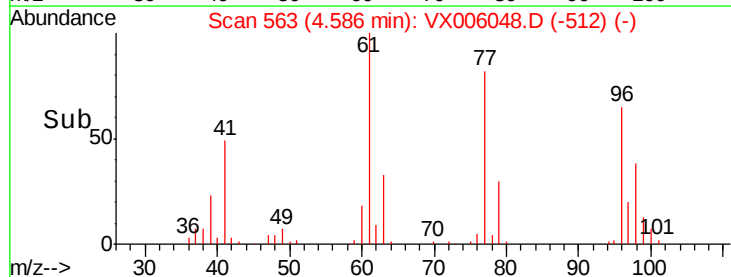
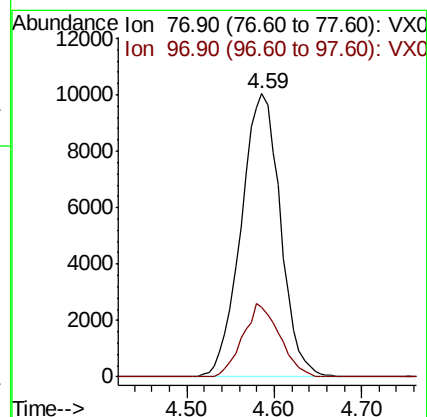
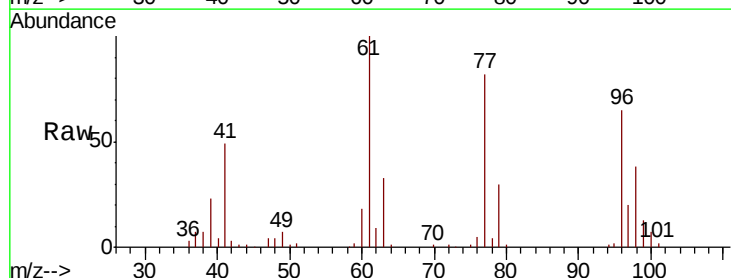
Acq: 16 Nov 2018 14:28

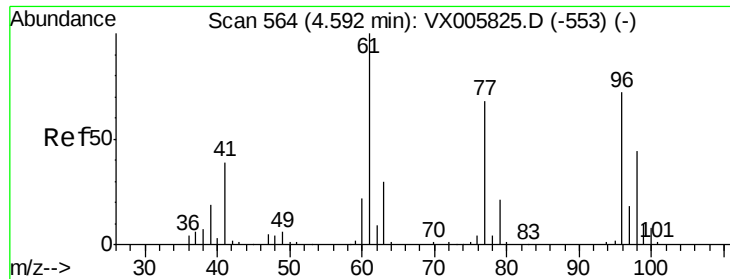
Tgt Ion: 77 Resp: 31361

Ion Ratio Lower Upper

77 100

97 24.1 11.5 34.5





#27

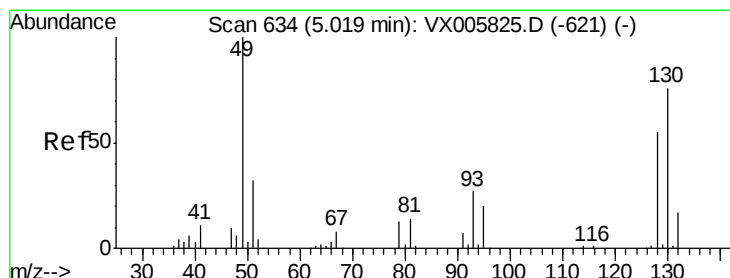
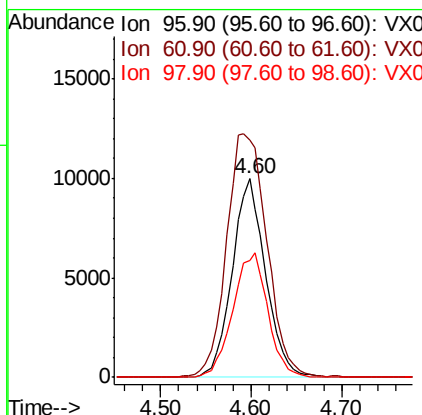
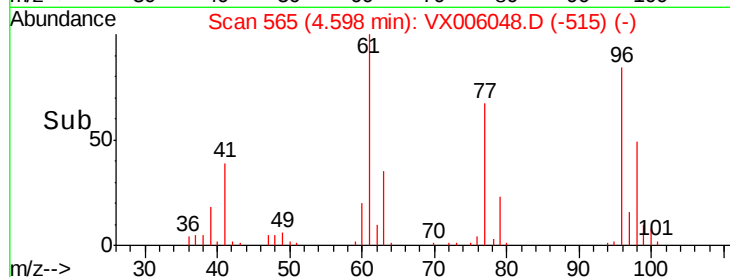
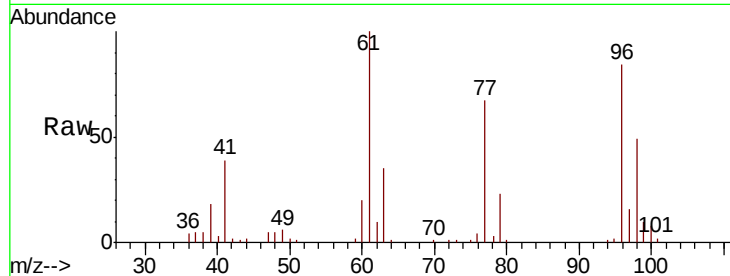
cis-1,2-Dichloroethene
Concen: 19.763 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	304.6
98	65.5	0.0	127.4

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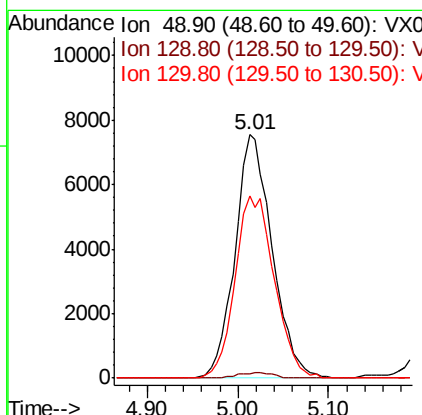
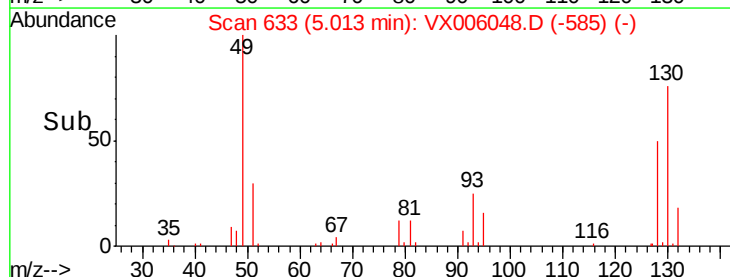
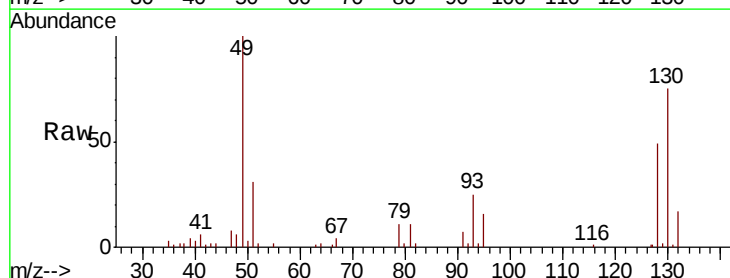
MMDadoda
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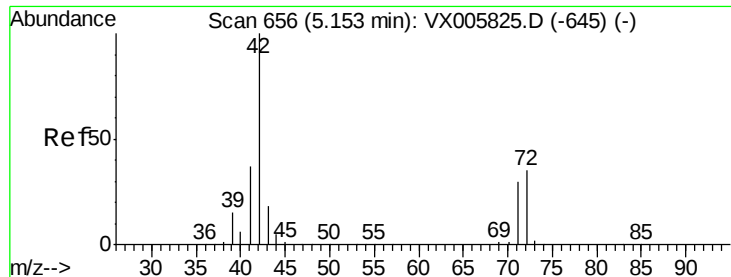


#28

Bromochloromethane
Concen: 20.763 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	78.6	58.9	88.3





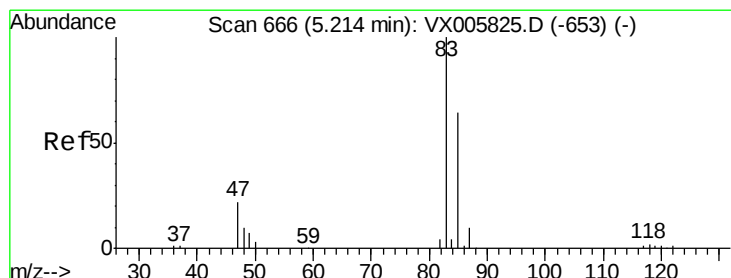
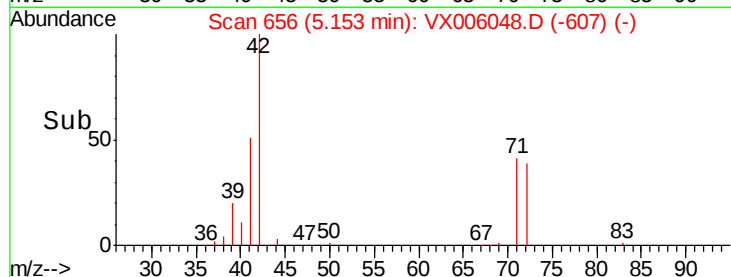
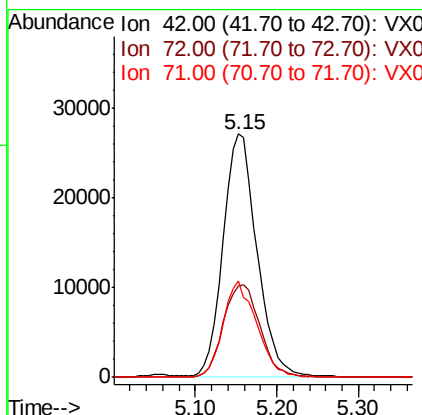
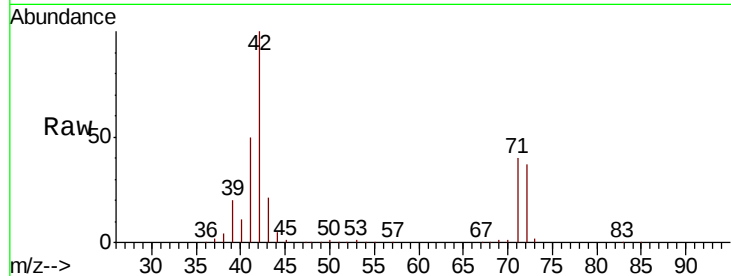
#29
Tetrahydrofuran
Concen: 98.894 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.0	48.0
71	39.5	29.8	44.8

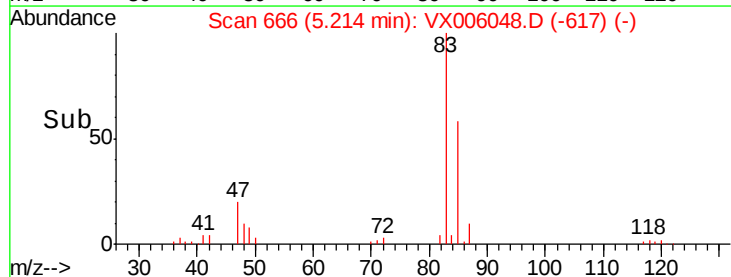
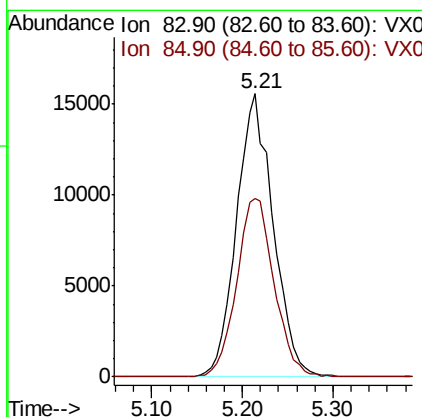
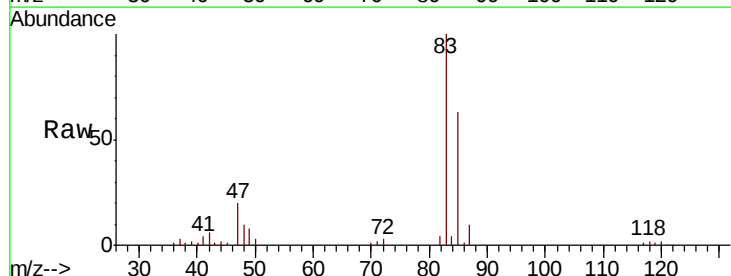
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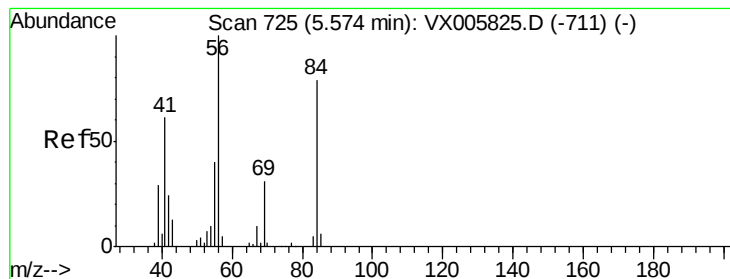
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#30
Chloroform
Concen: 19.566 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.6	76.0





#31

Cyclohexane

Concen: 17.564 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

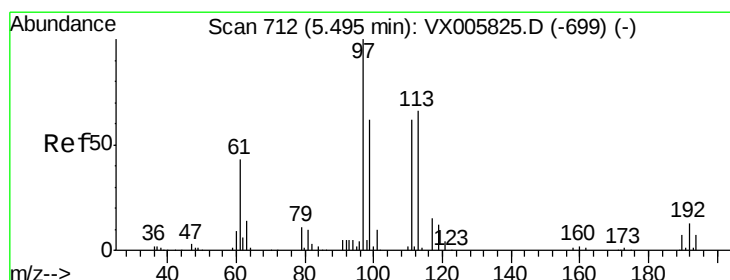
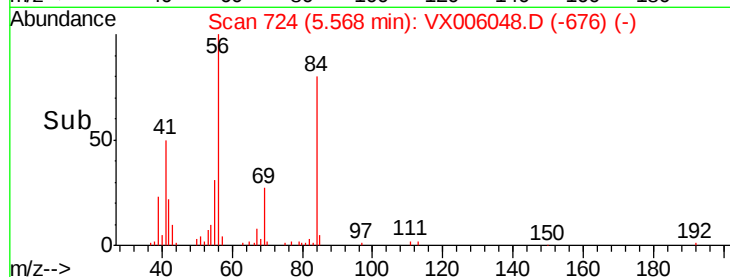
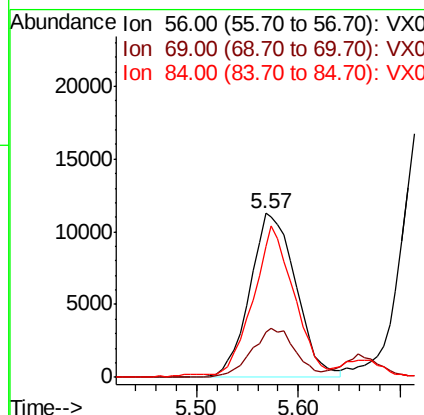
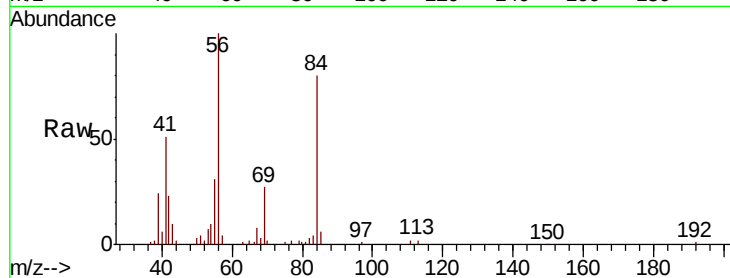
ClientSampleId :

VX1116WBSD01

Tot Ion:	56	Resp:	35241
Ion	Ratio	Lower	Upper
56	100		
69	26.9	22.6	34.0
84	77.8	62.7	94.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.993 ug/l

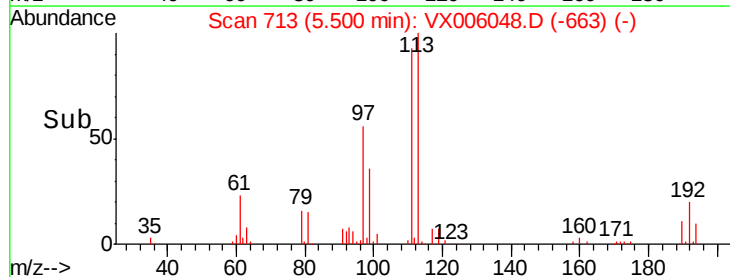
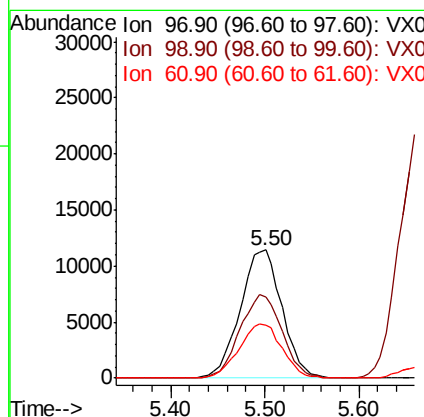
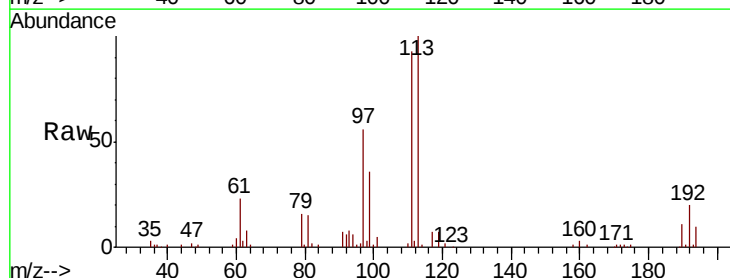
RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Tgt Ion:	97	Resp:	35328
Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.3	78.5
61	43.9	35.2	52.8





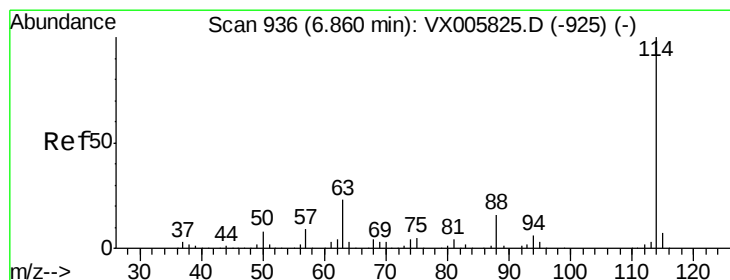
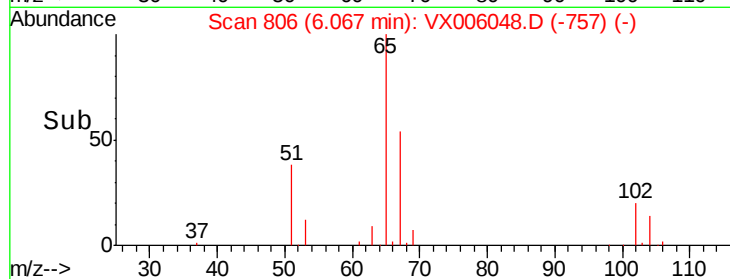
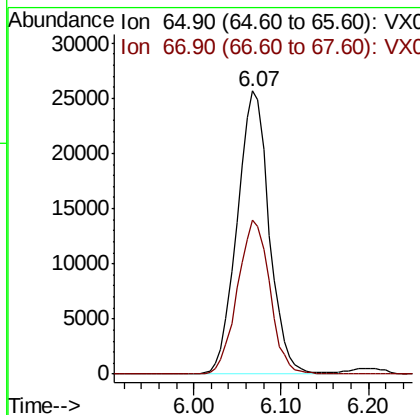
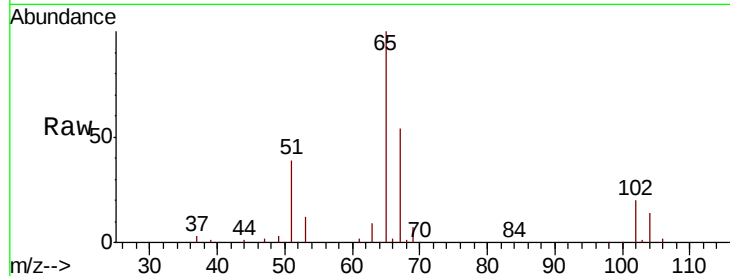
#33
 1,2-Dichloroethane-d4
 Concen: 45.363 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	105.0

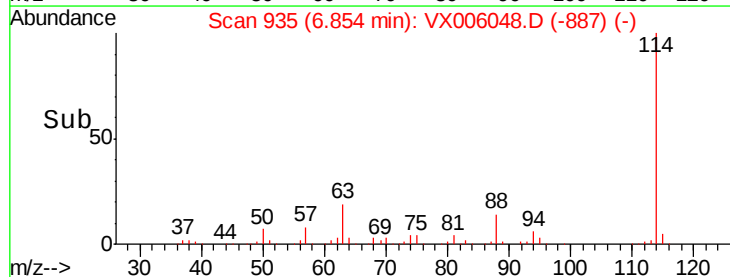
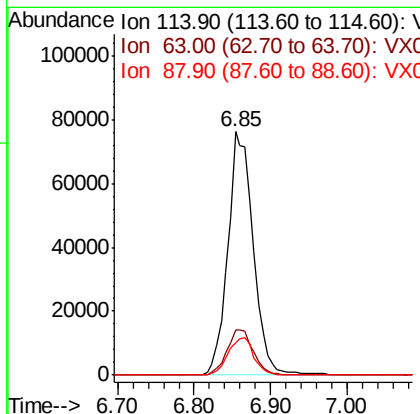
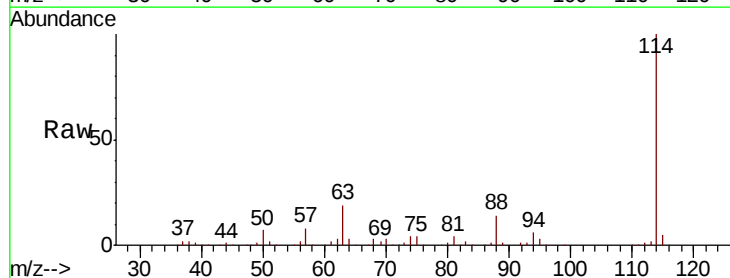
Manual Integrations
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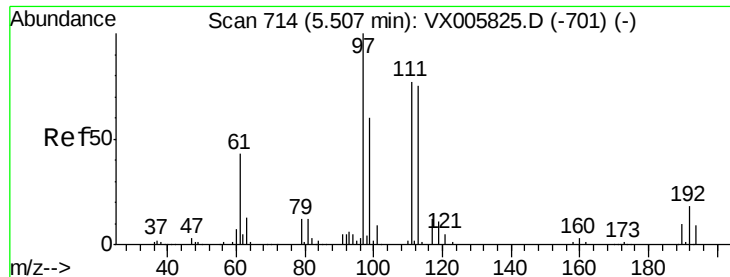
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	42.8
88	13.5	0.0	31.2





#35

Dibromofluoromethane

Concen: 45.942 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

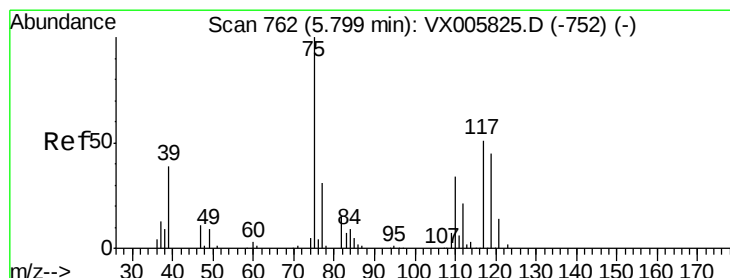
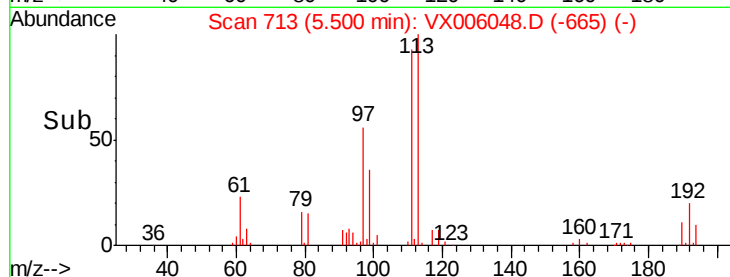
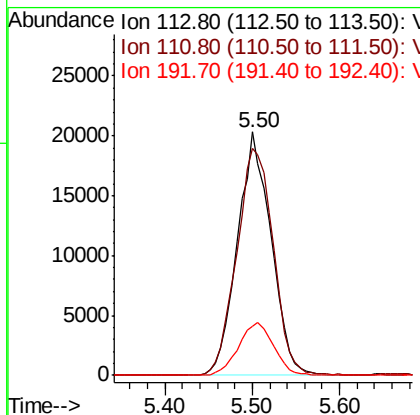
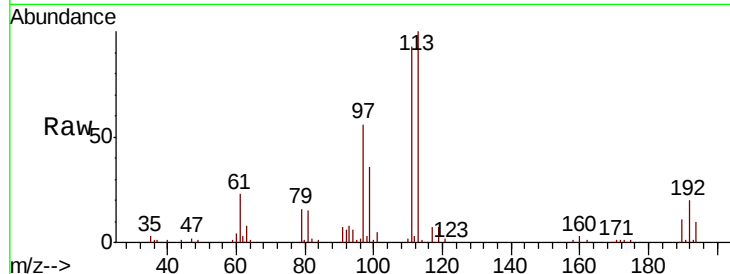
ClientSampleId :

VX1116WBSD01

Tot Ion:	113	Resp:	54676
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.3	123.5
192	22.5	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 18.516 ug/l

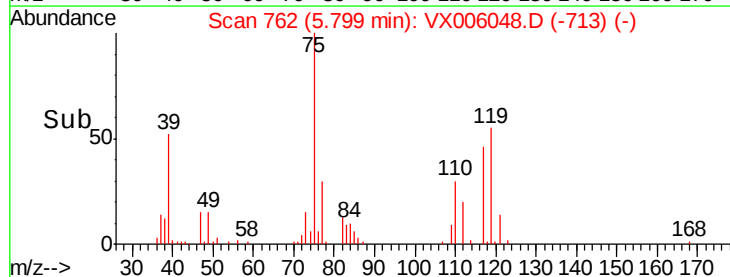
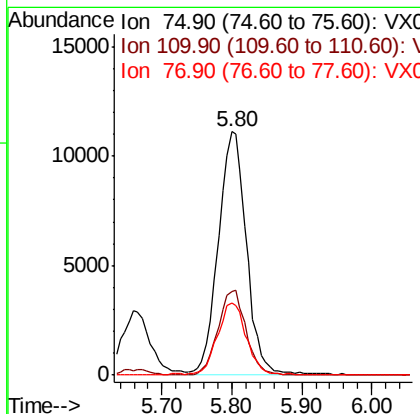
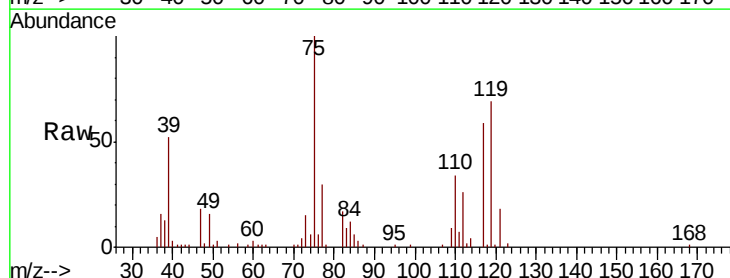
RT: 5.80 min Scan# 762

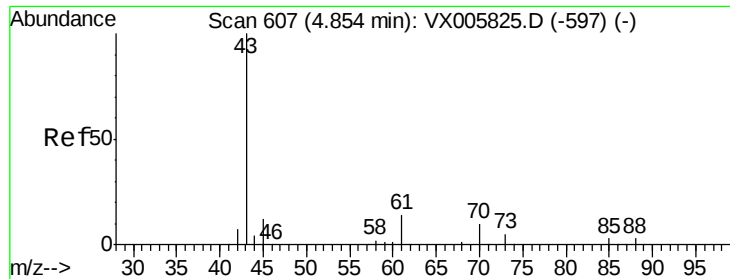
Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Tgt Ion:	75	Resp:	31233
Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.4	52.2
77	30.3	25.8	38.6





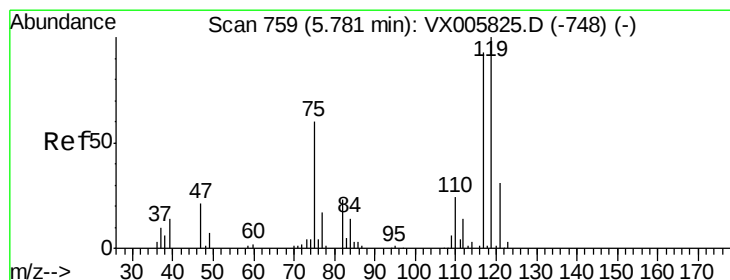
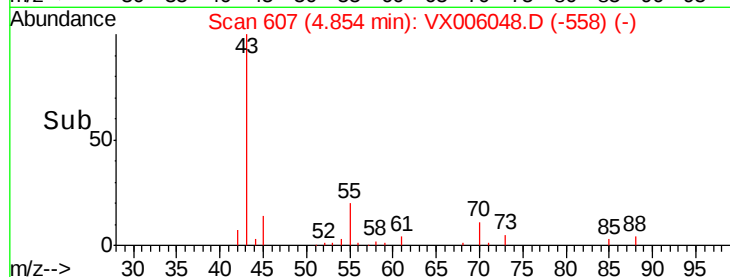
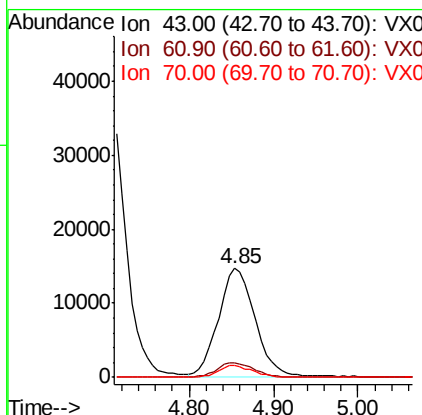
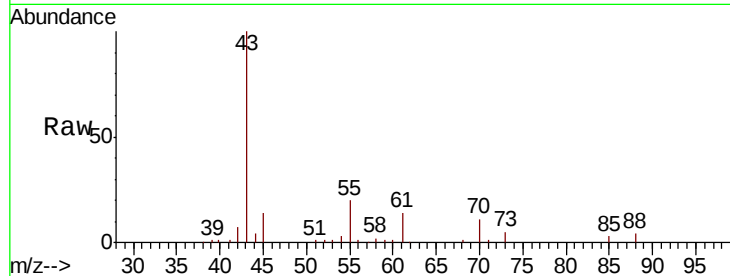
#37
Ethyl Acetate
Concen: 19.659 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.2	7.8	11.8

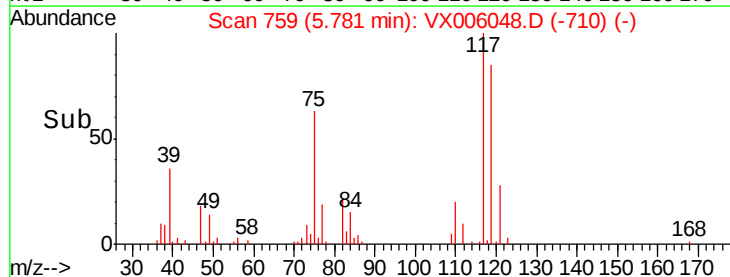
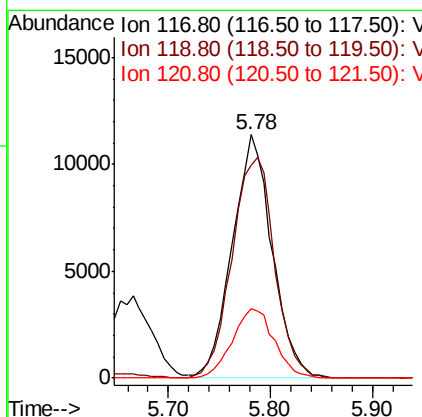
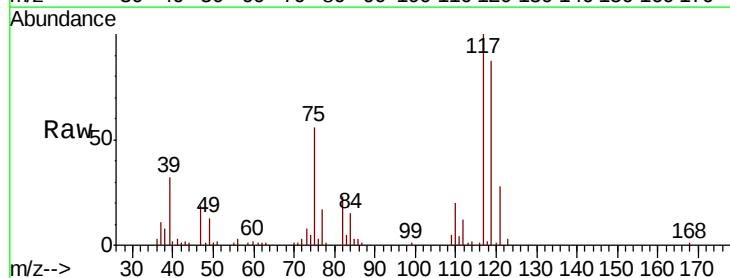
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#38
Carbon Tetrachloride
Concen: 18.251 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.4	78.1	117.1
121	28.4	24.6	36.8





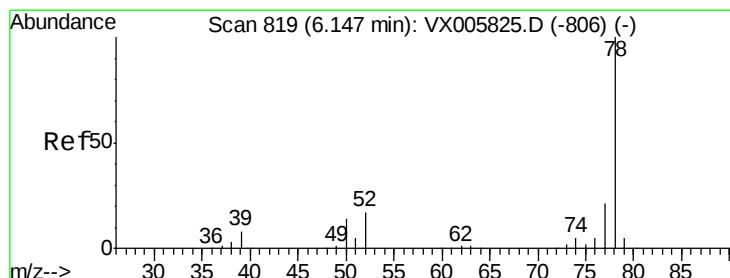
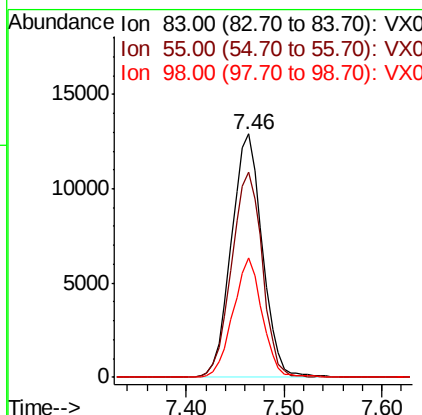
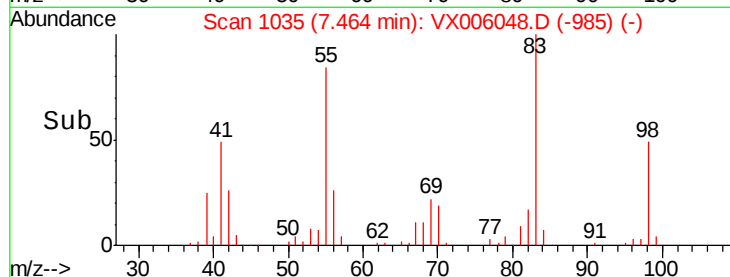
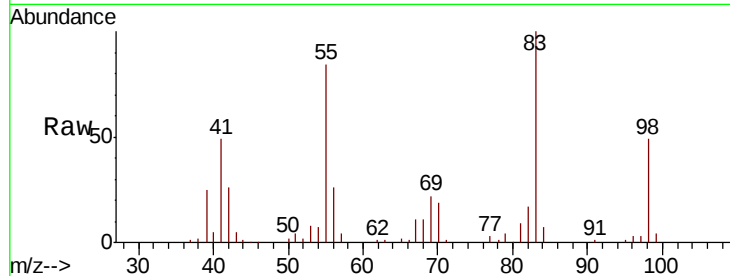
#39
Methylvlcyclohexane
Concen: 16.596 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.4	63.7	95.5
98	49.0	36.2	54.2

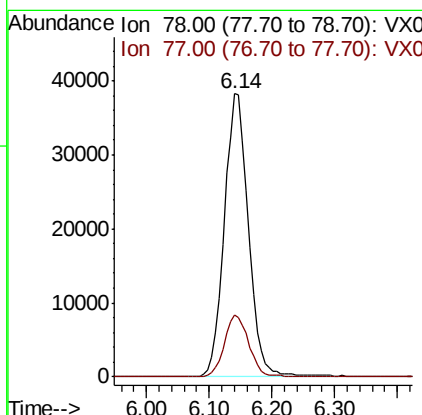
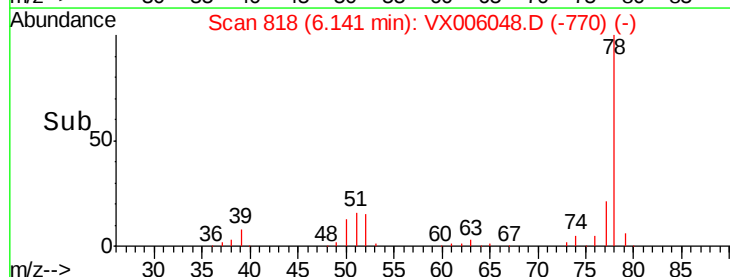
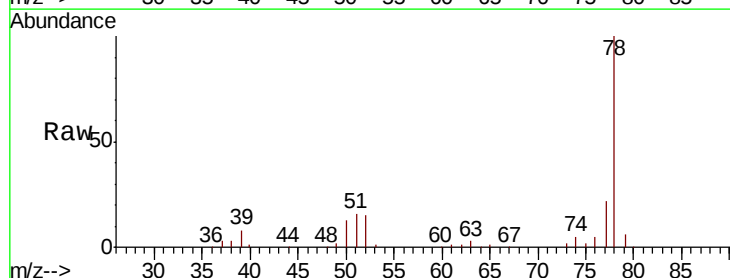
Manual Integrations
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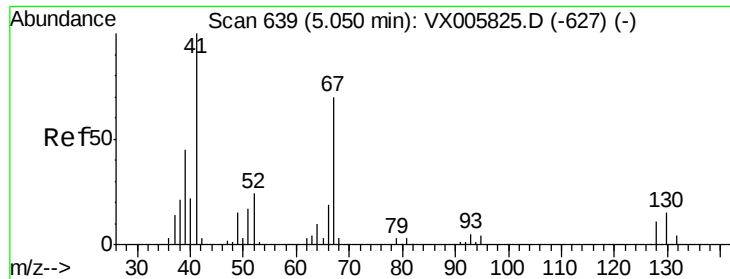
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#40
Benzene
Concen: 20.774 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.4	27.6





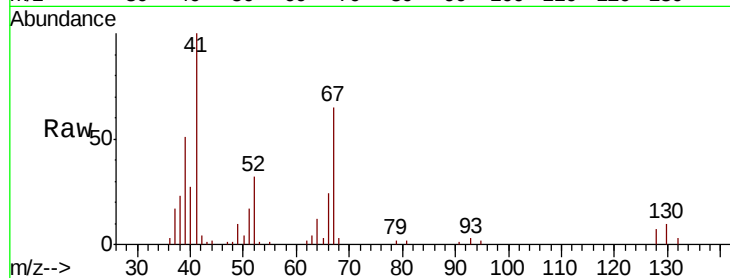
#41
Methacrylonitrile
Concen: 19.239 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.6	42.2	63.2	
67	69.7	53.4	80.0	
52	29.9	23.4	35.2	

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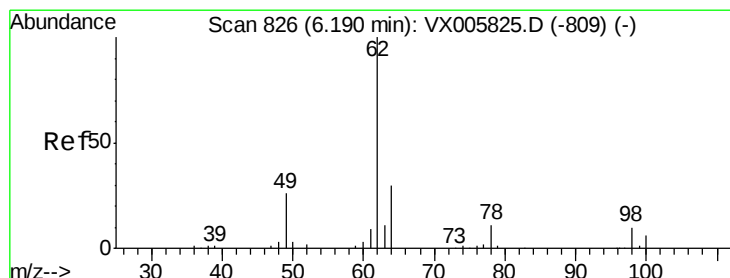
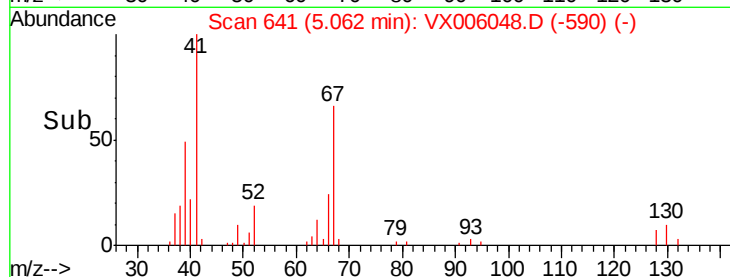
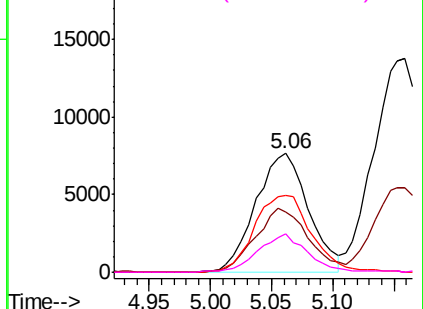
Abundance

Ion 41.00 (40.70 to 41.70): VX005825.D (-627) (-)

Ion 39.00 (38.70 to 39.70): VX005825.D (-627) (-)

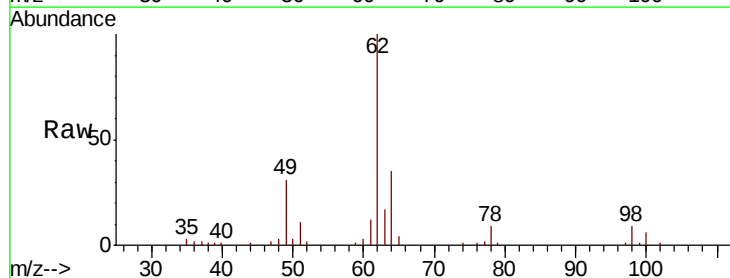
Ion 67.00 (66.70 to 67.70): VX005825.D (-627) (-)

Ion 52.00 (51.70 to 52.70): VX005825.D (-627) (-)



#42
1,2-Dichloroethane
Concen: 19.245 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

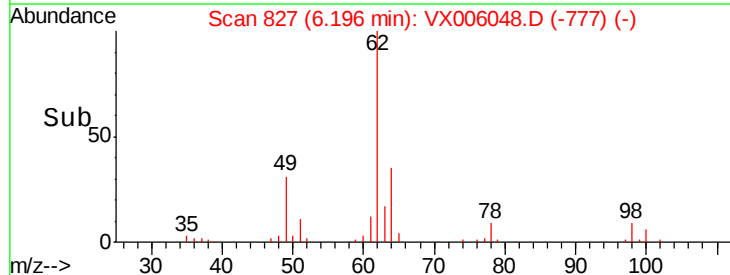
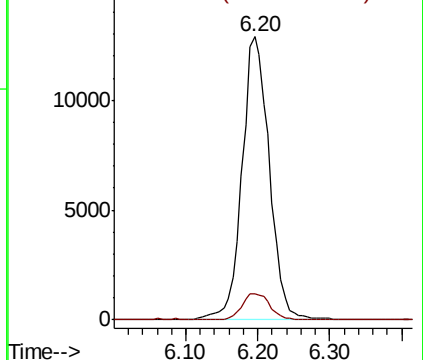
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	17.8	

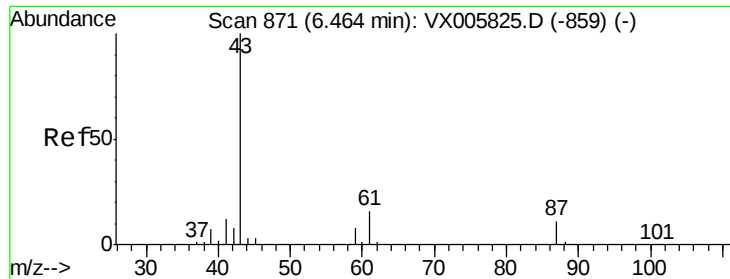


Abundance

Ion 61.90 (61.60 to 62.60): VX005825.D (-809) (-)

Ion 97.90 (97.60 to 98.60): VX005825.D (-809) (-)





#43

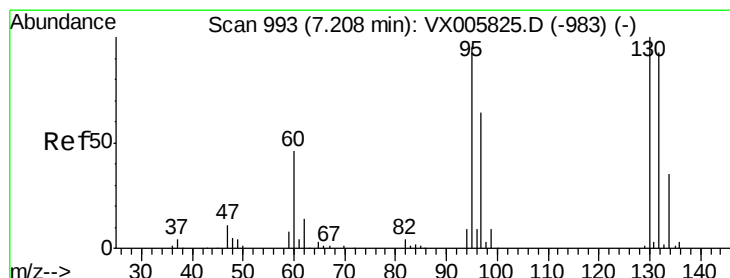
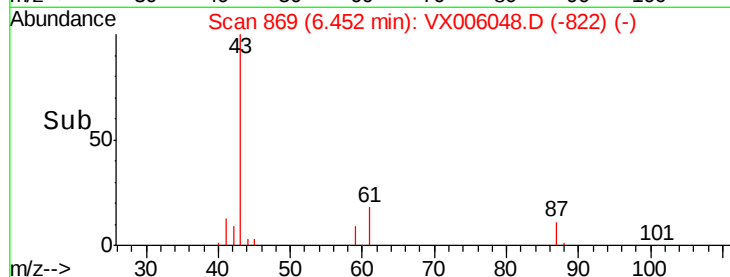
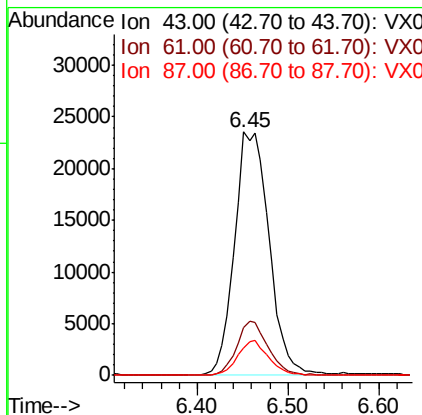
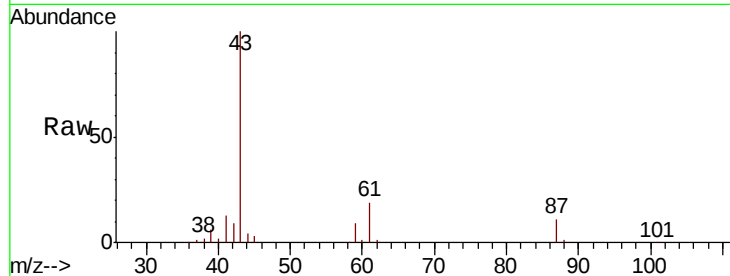
Isopropyl Acetate
 Concen: 19.524 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	14.6	22.0
87	12.6	9.6	14.4

Manual Integrations
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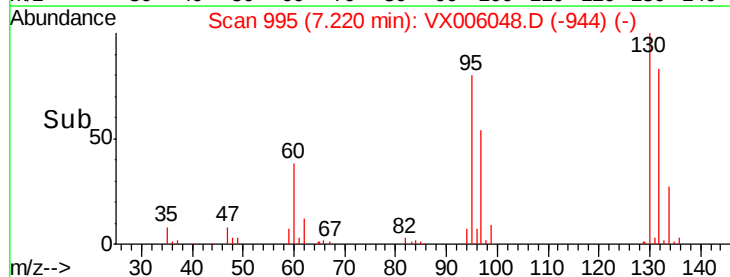
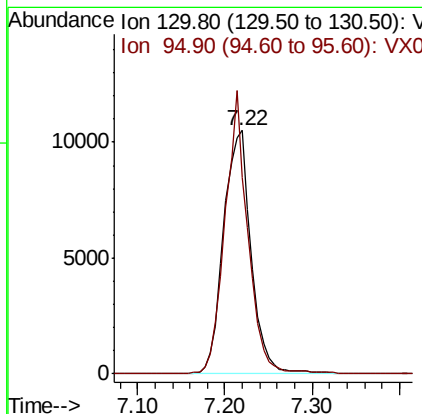
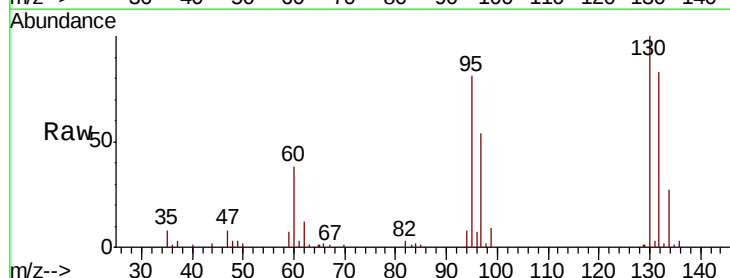
MMDadoda
 11/19/2018 12:22:39 PM

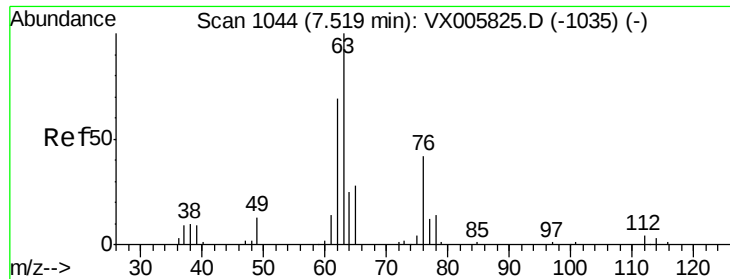


#44

Trichloroethene
 Concen: 18.485 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	80.8	0.0	194.2





#45

1,2-Dichloropropane

Concen: 18.973 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 63 Resp: 22646

Ion Ratio Lower Upper

63 100

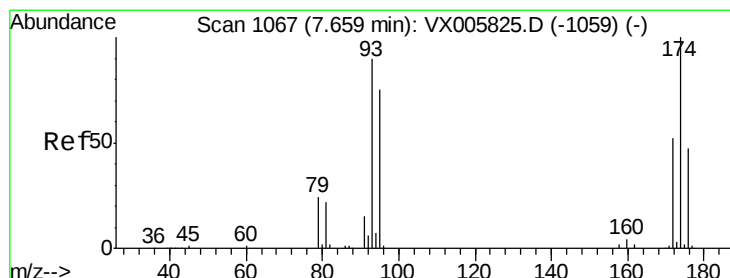
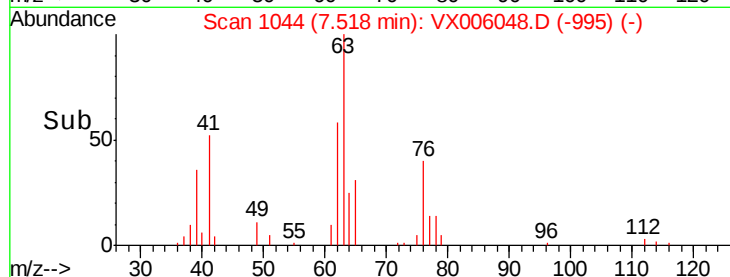
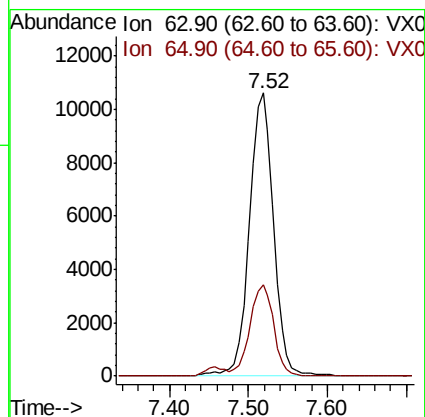
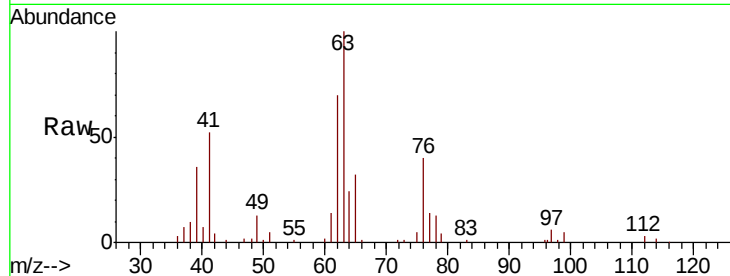
65 32.1 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 18.734 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

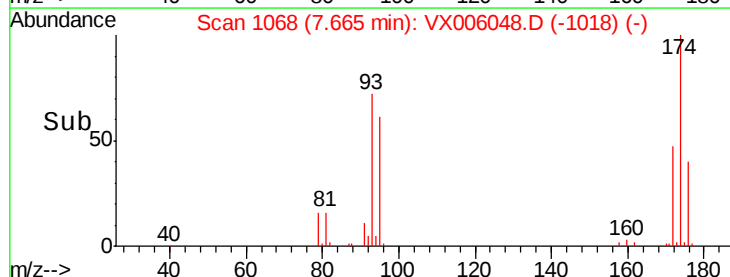
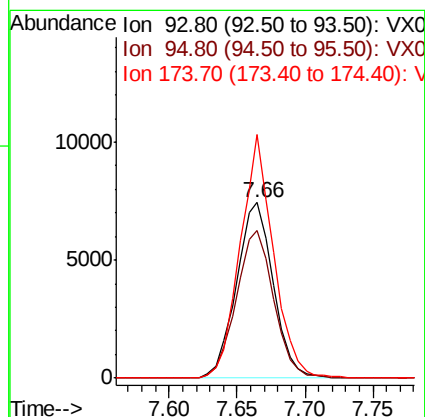
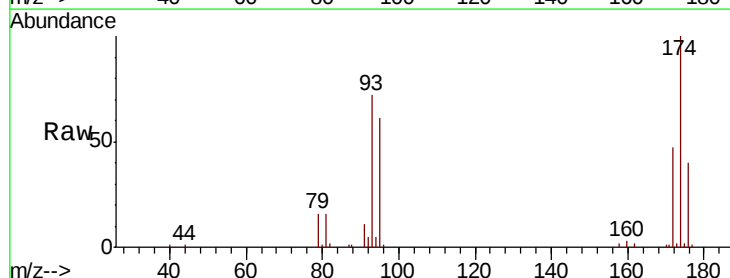
Tgt Ion: 93 Resp: 14031

Ion Ratio Lower Upper

93 100

95 85.4 67.4 101.0

174 125.6 91.5 137.3





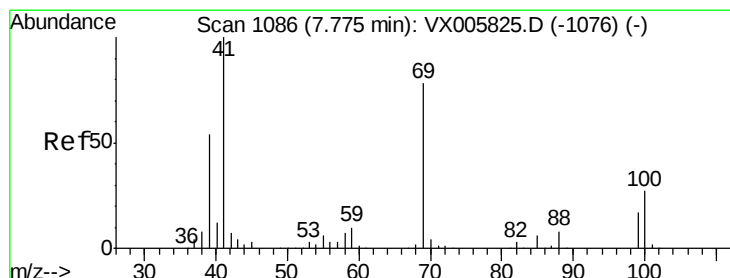
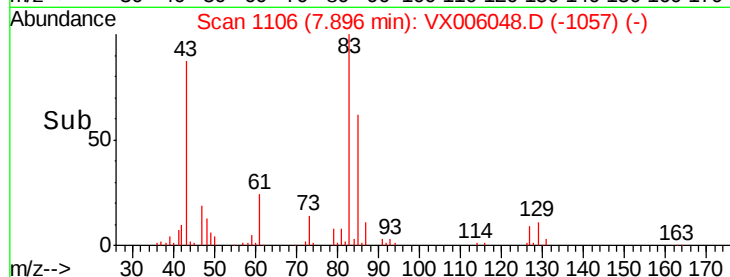
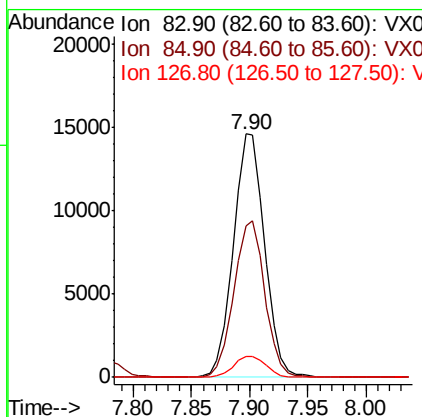
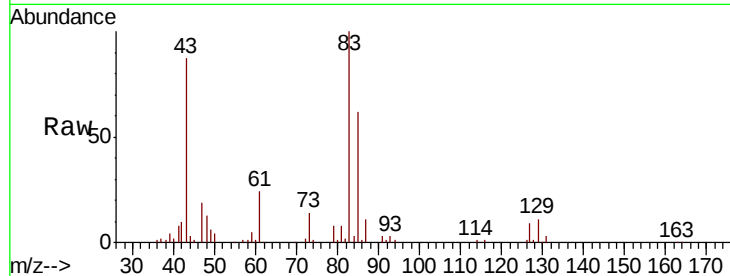
#47
Bromodichloromethane
Concen: 19.252 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.2	75.4
127	8.8	6.9	10.3

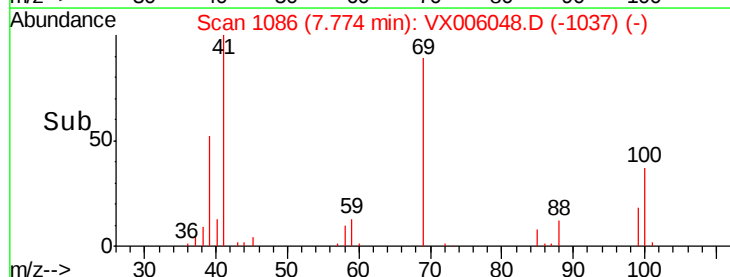
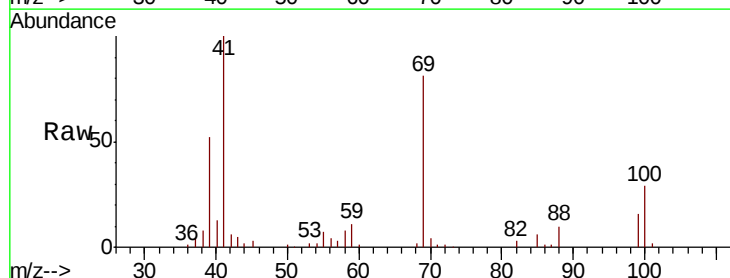
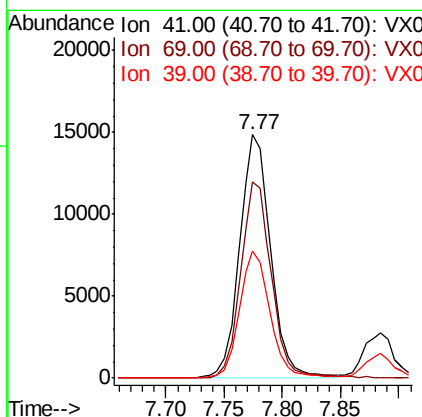
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#48
Methyl methacrylate
Concen: 19.180 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.7	63.2	94.8
39	51.7	42.2	63.2





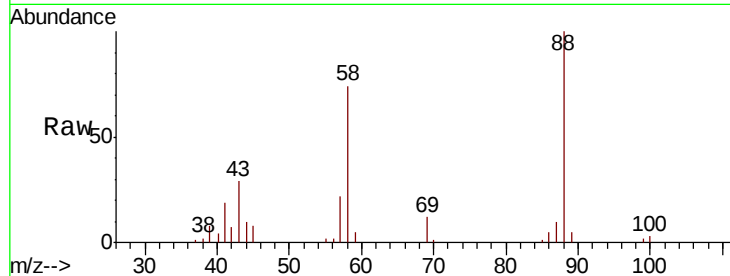
#49
 1,4-Dioxane
 Concen: 393.056 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	27.4	41.0
58	77.1	59.4	89.2

Manual Integrations
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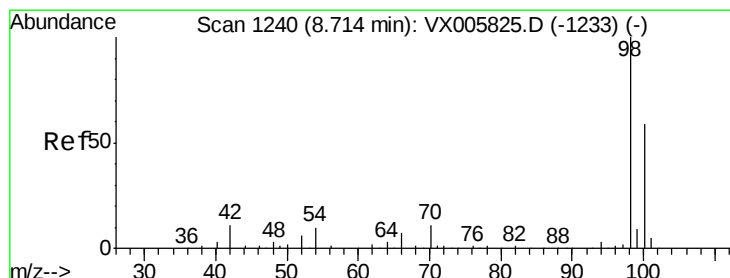
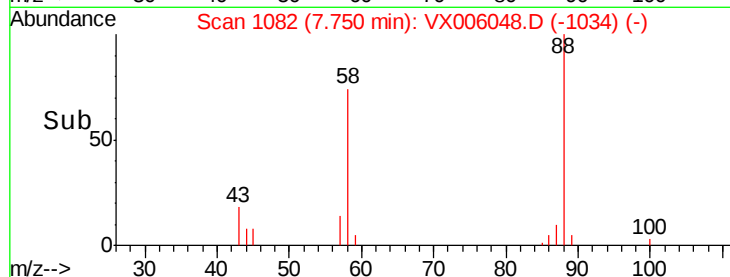
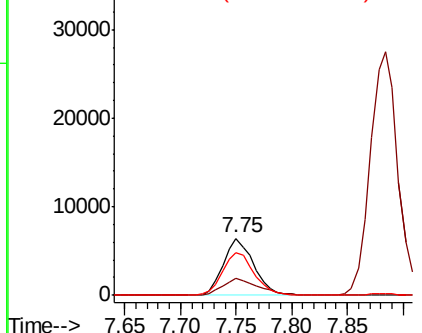


Abundance

Ion 88.00 (87.70 to 88.70): VX0

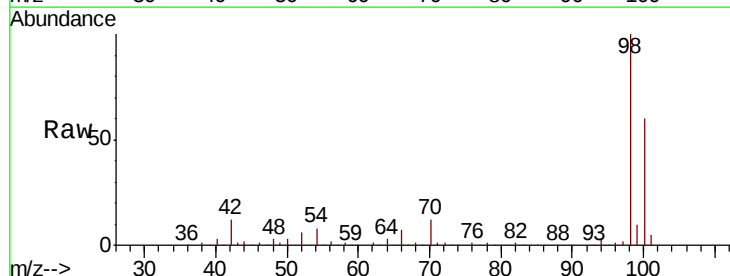
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 50.631 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

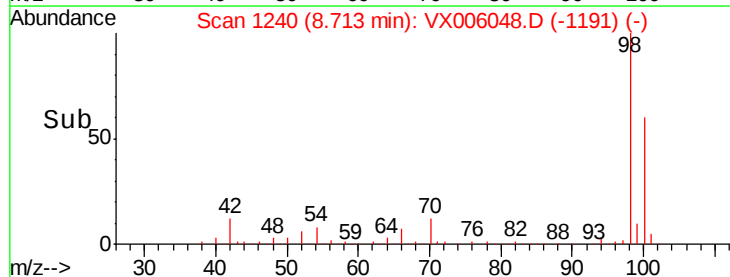
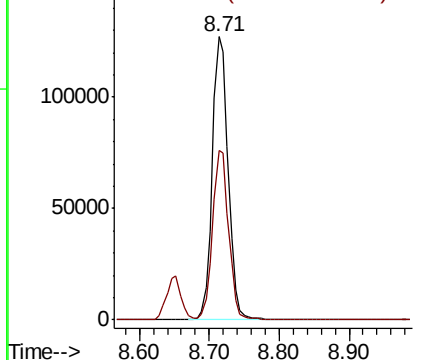
Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.0	51.3	76.9



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 100.895 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 43 Resp: 204387

Ion Ratio Lower Upper

43 100

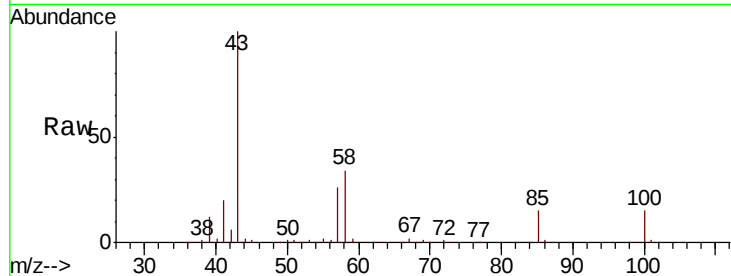
58 37.5 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

150000

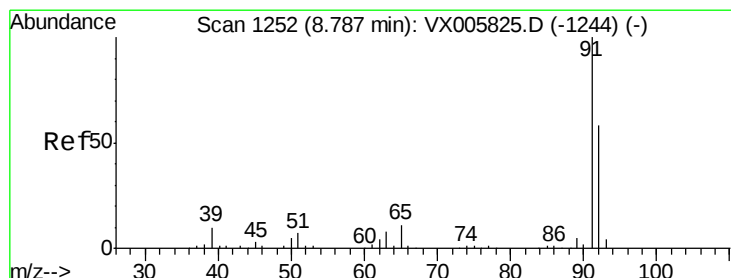
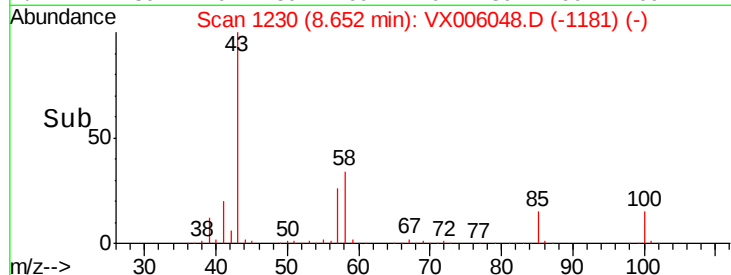
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 21.008 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006048.D

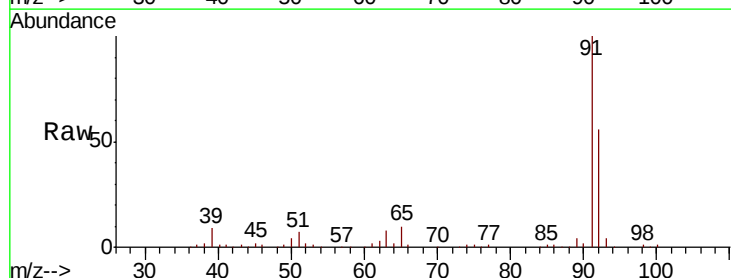
Acq: 16 Nov 2018 14:28

Tgt Ion: 92 Resp: 57737

Ion Ratio Lower Upper

92 100

91 169.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

60000

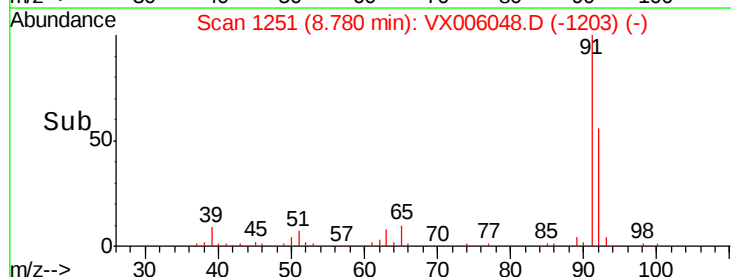
40000

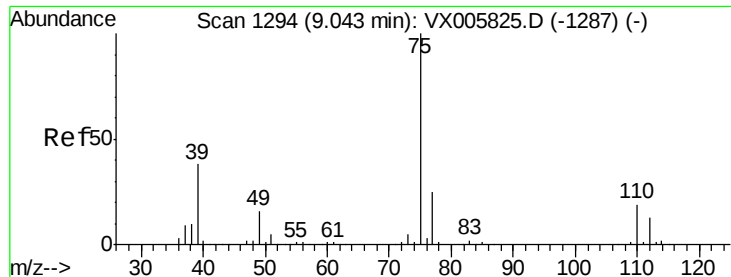
20000

0

8.70 8.80 8.90

Time-->





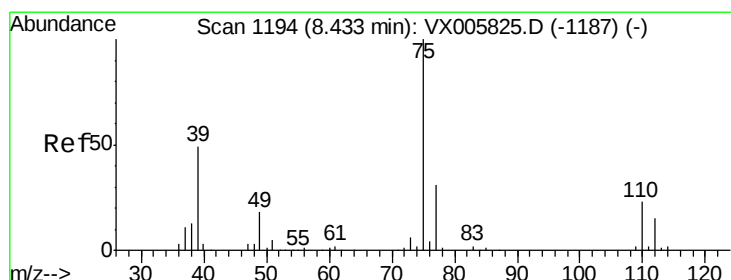
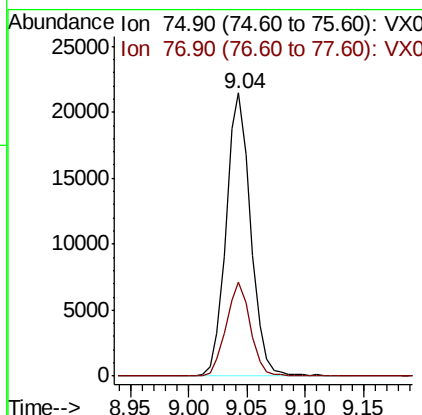
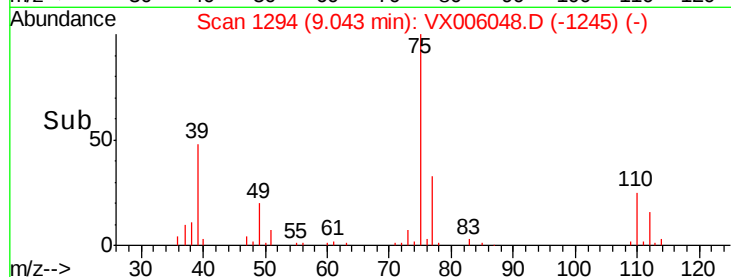
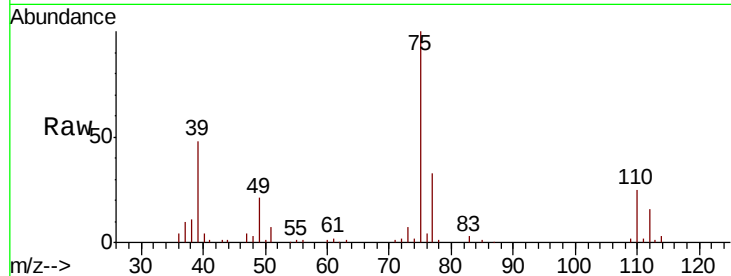
#53
t-1,3-Dichloropropene
Concen: 18.823 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion: 75 Resp: 31442
Ion Ratio Lower Upper
75 100
77 33.2 25.4 38.2

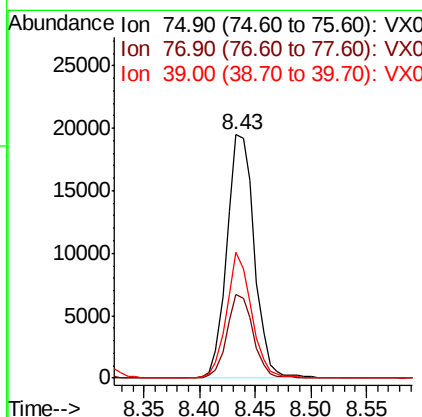
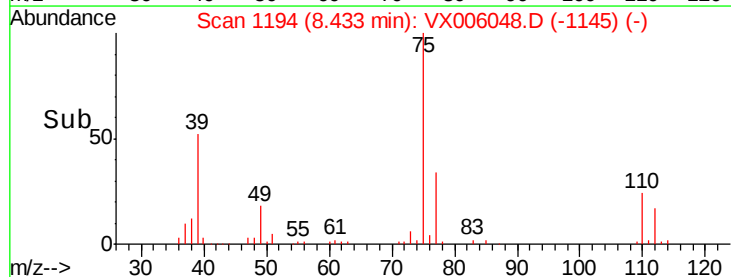
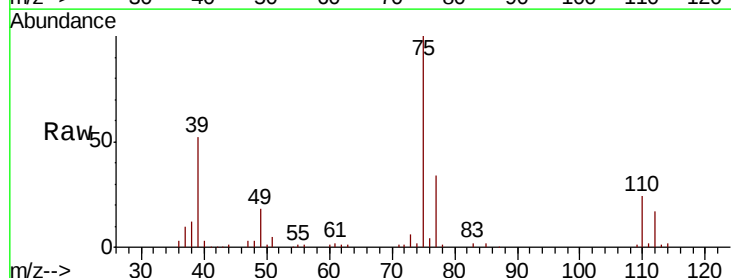
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 19.543 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion: 75 Resp: 33273
Ion Ratio Lower Upper
75 100
77 34.1 25.2 37.8
39 51.7 38.2 57.2





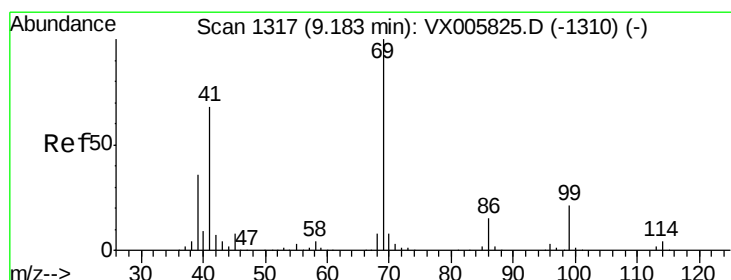
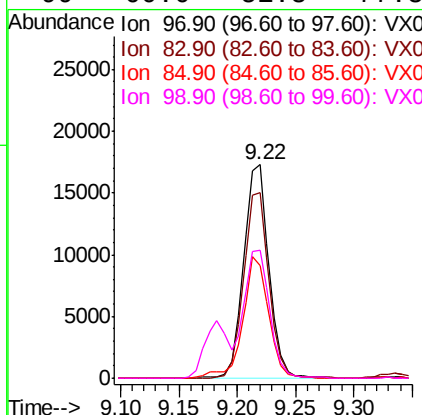
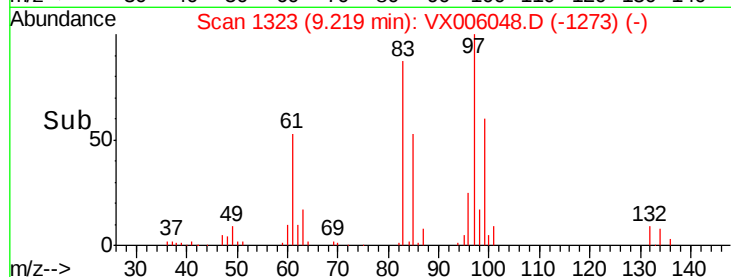
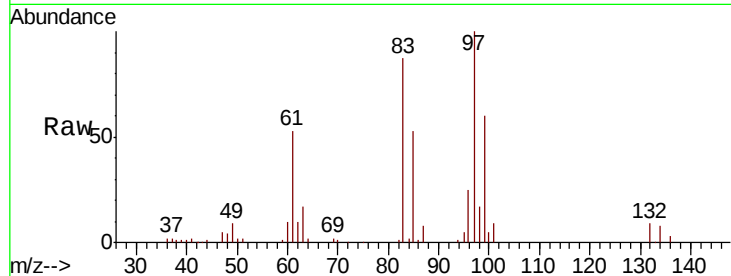
#55
 1,1,2-Trichloroethane
 Concen: 21.414 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.7	106.1
85	53.0	45.8	68.6
99	60.0	51.8	77.8

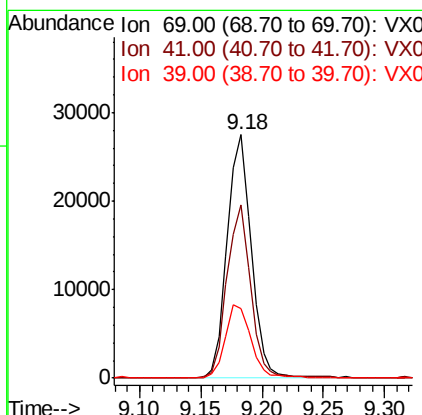
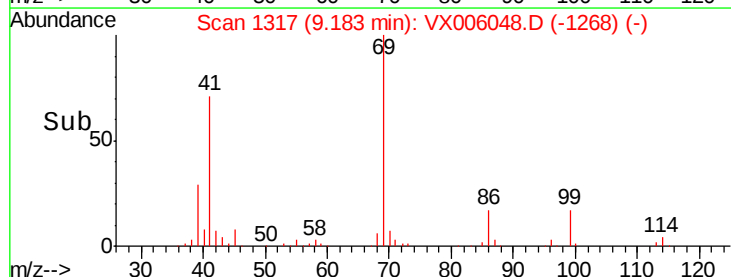
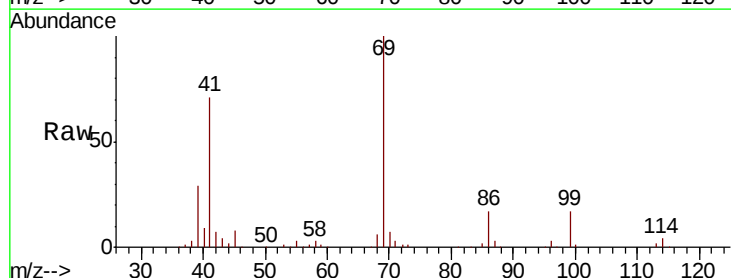
Manual Integrations
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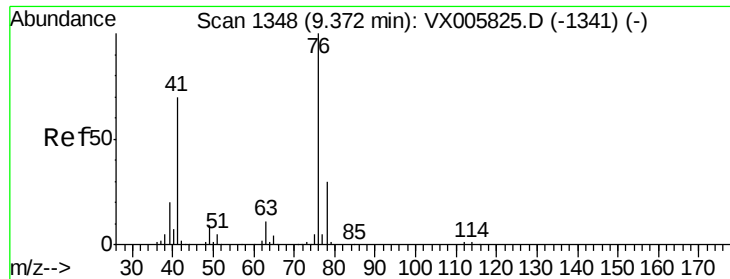
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#56
 Ethyl methacrylate
 Concen: 20.604 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.4	57.0	85.6
39	32.2	28.3	42.5





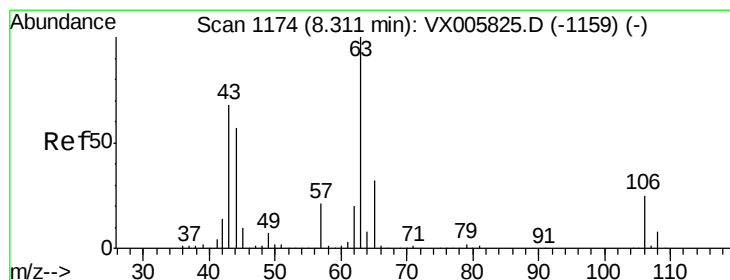
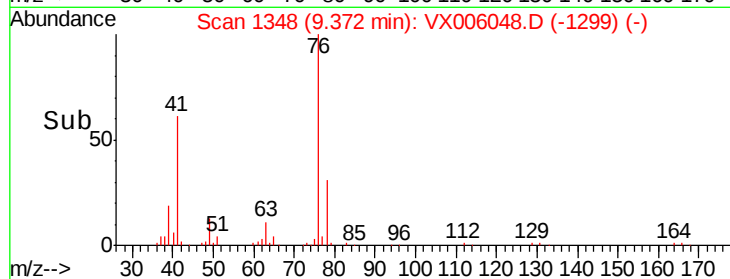
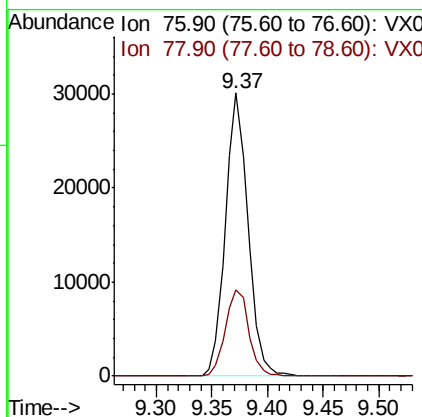
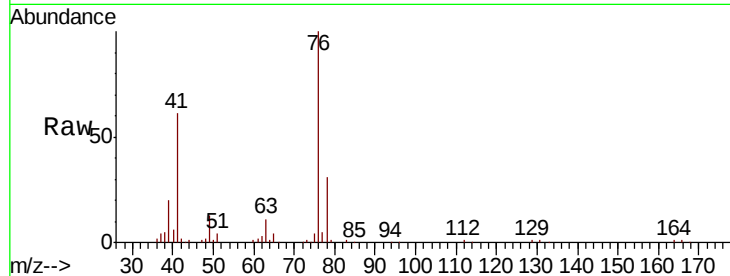
#57
 1,3-Dichloropropane
 Concen: 20.572 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion: 76 Resp: 42344
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9

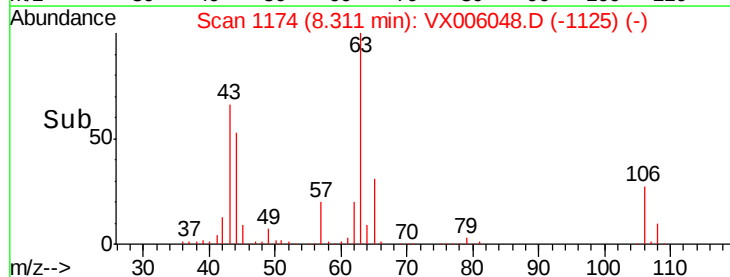
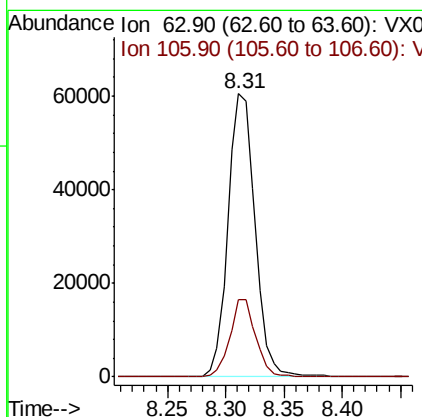
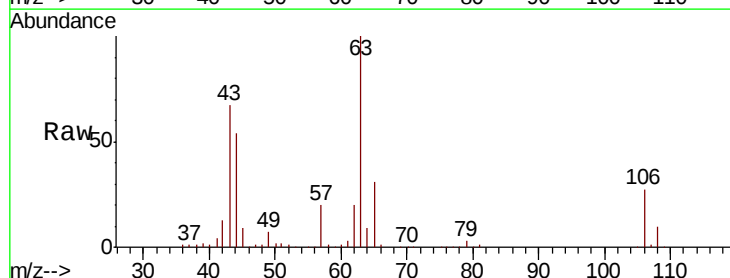
Manual Integrations
 APPROVED

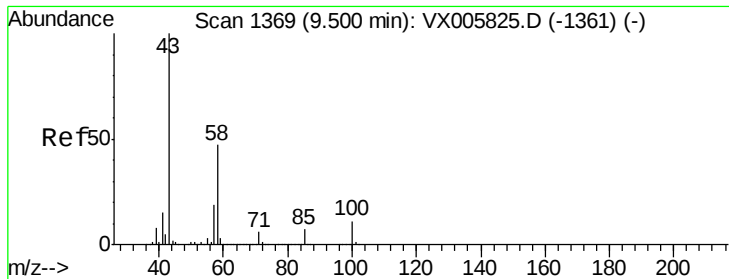
MMDadoda
 11/19/2018 12:22:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.271 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion: 63 Resp: 98113
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.3 31.9





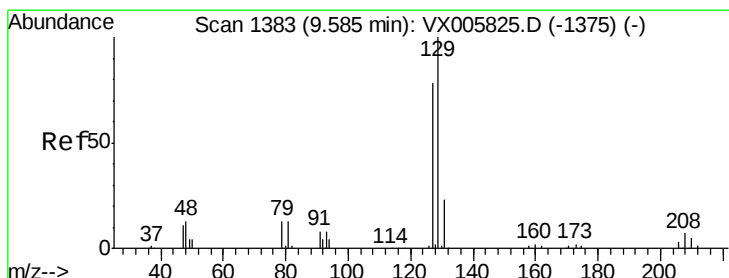
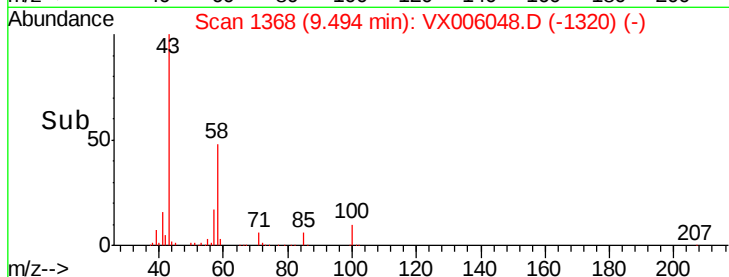
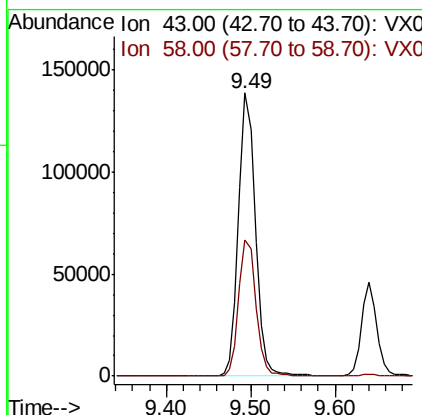
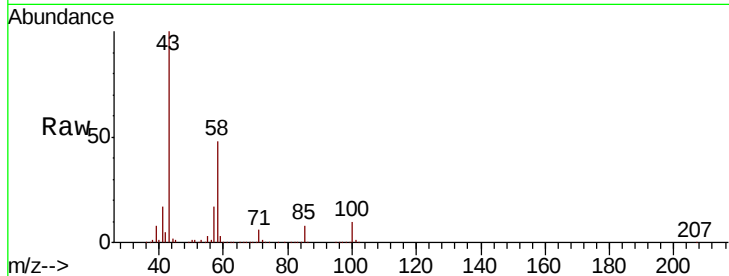
#59
2-Hexanone
Concen: 104.132 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion: 43 Resp: 185937
Ion Ratio Lower Upper
43 100
58 49.4 25.9 77.8

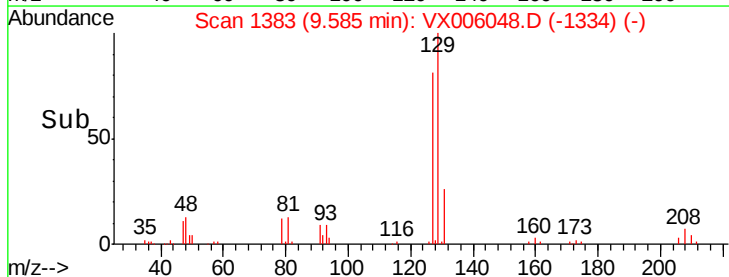
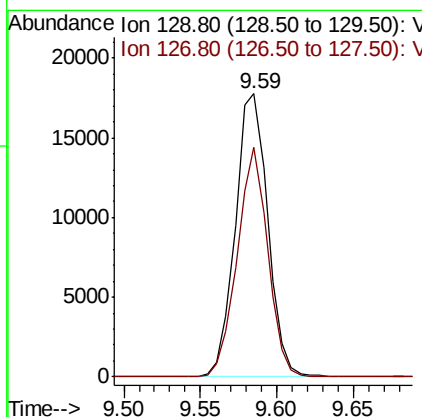
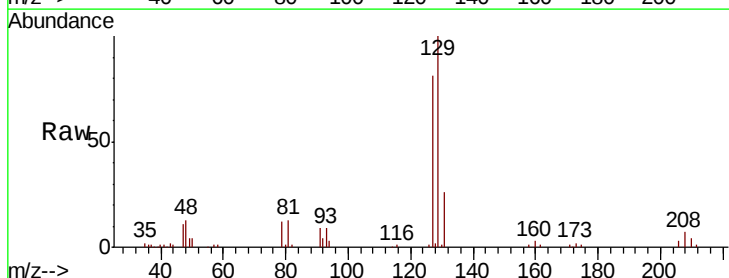
Manual Integrations
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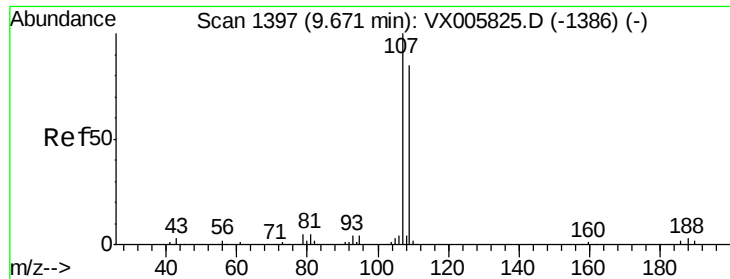
MMDadoda
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#60
Dibromochloromethane
Concen: 19.705 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion: 129 Resp: 26084
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.7





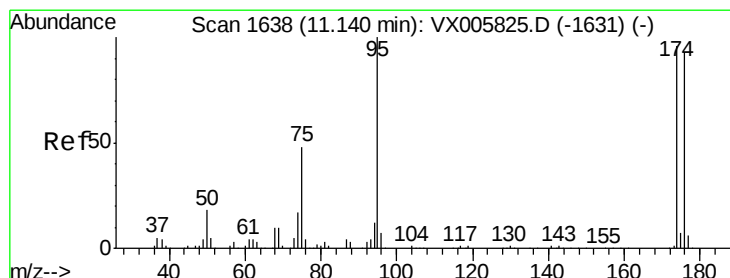
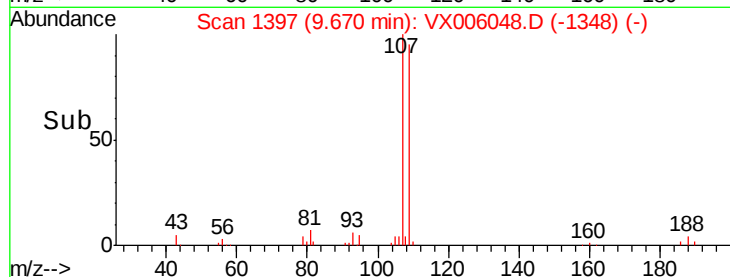
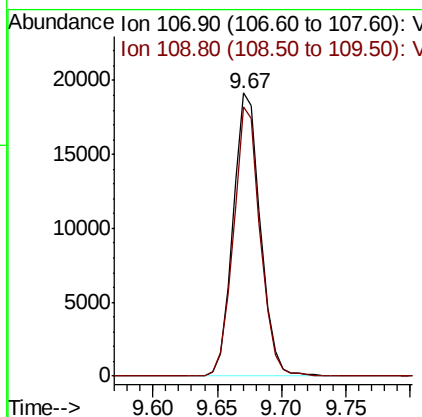
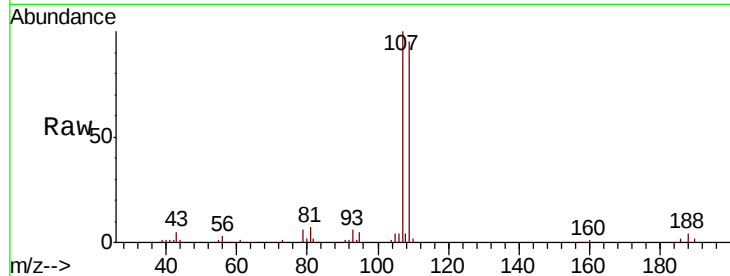
#61
 1,2-Dibromoethane
 Concen: 20.844 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion:107 Resp: 28231
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.7 113.5

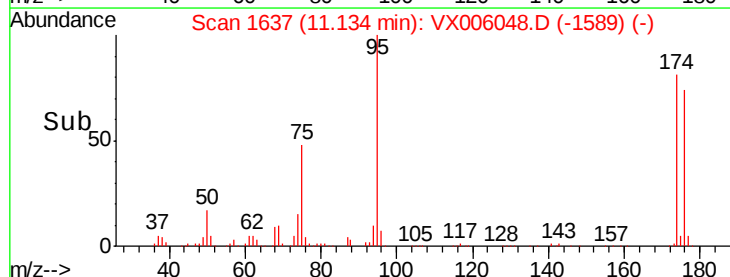
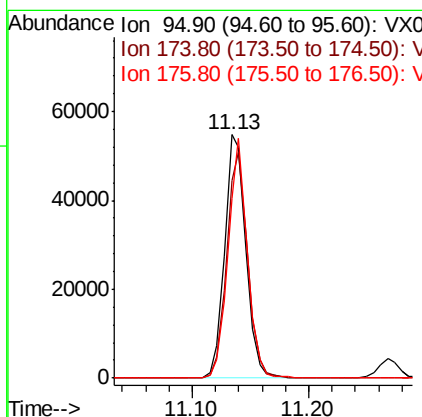
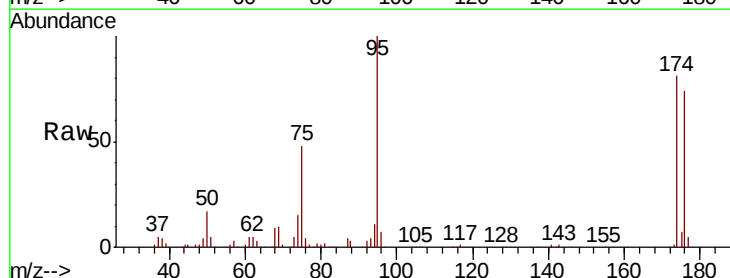
Manual Integrations
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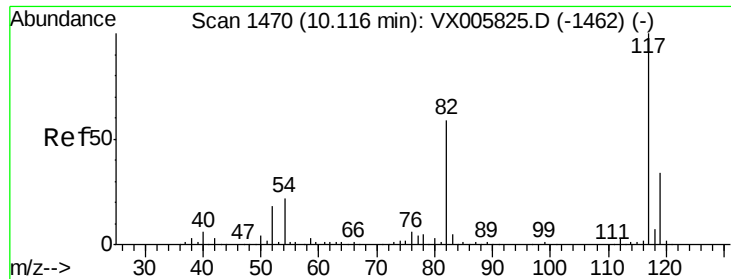
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#62
 4-Bromofluorobenzene
 Concen: 48.383 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion: 95 Resp: 68827
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 184.4
 176 89.9 0.0 177.4





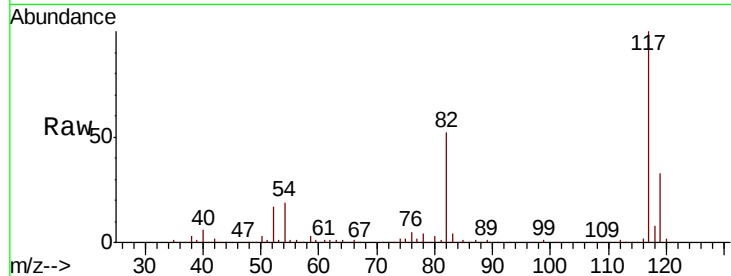
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	44.1	66.1
119	32.8	26.2	39.2

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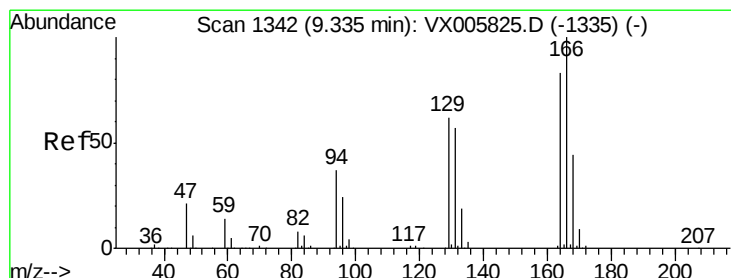
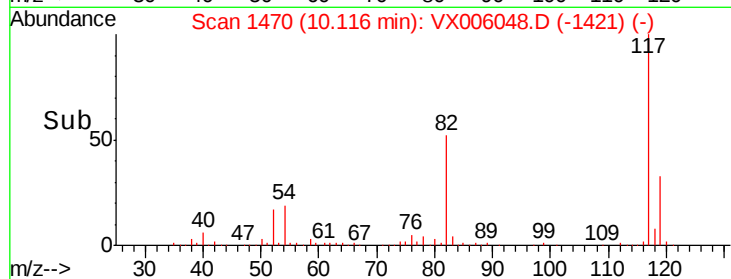
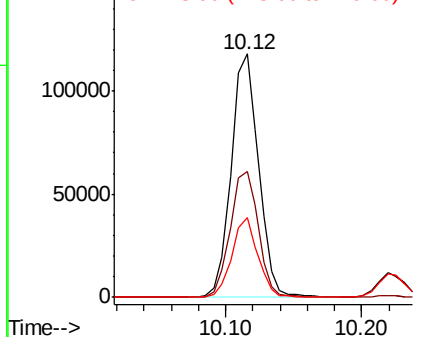


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.456 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	149.7	101.9	152.9
129	93.6	72.6	109.0
131	96.5	71.1	106.7

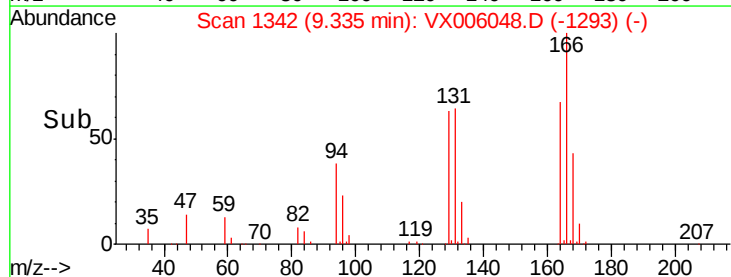
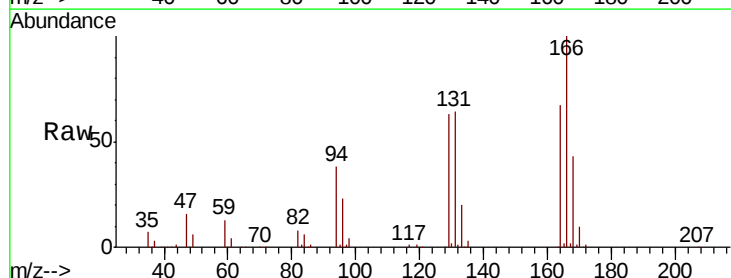
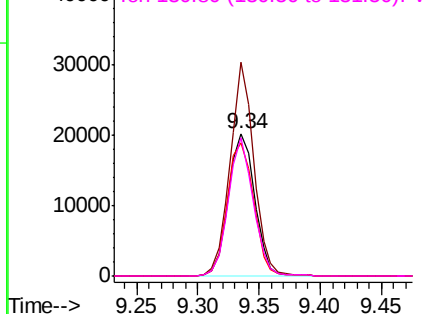
Abundance

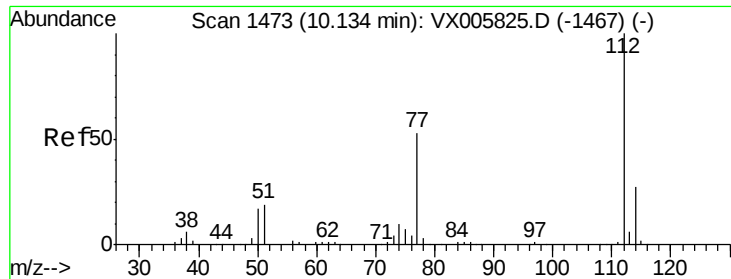
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





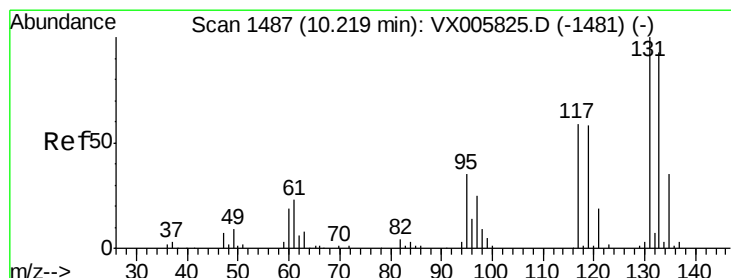
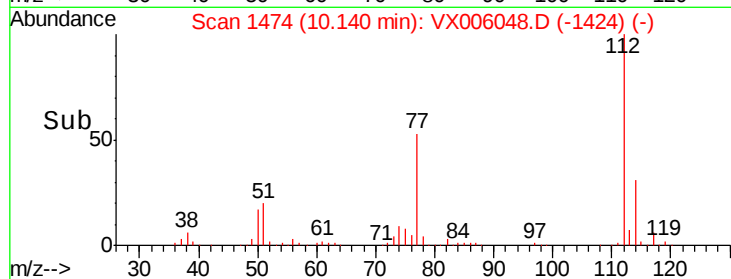
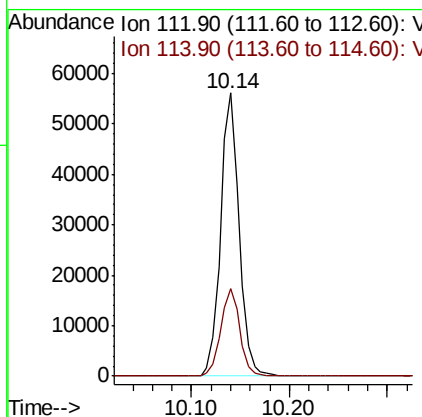
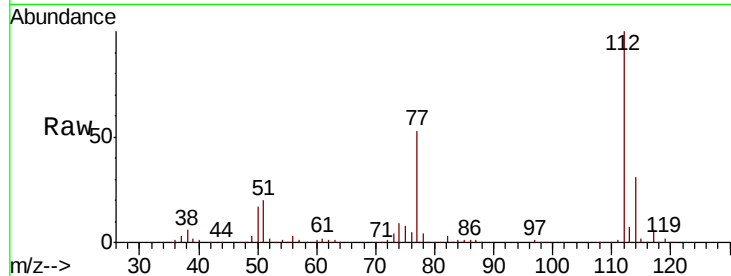
#65
Chlorobenzene
Concen: 22.258 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion:112 Resp: 73426
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.6

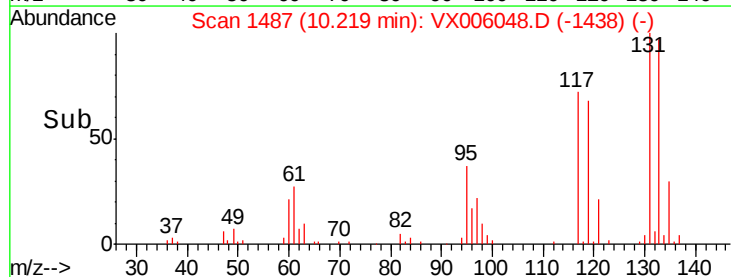
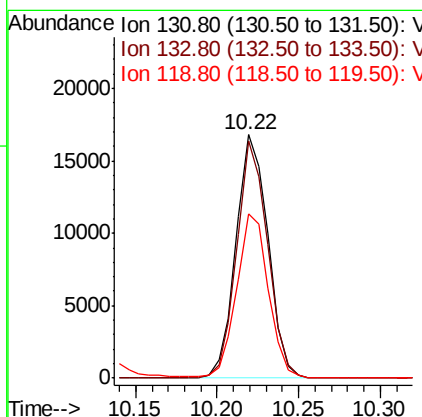
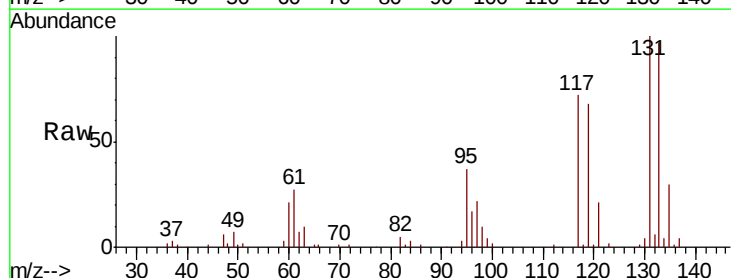
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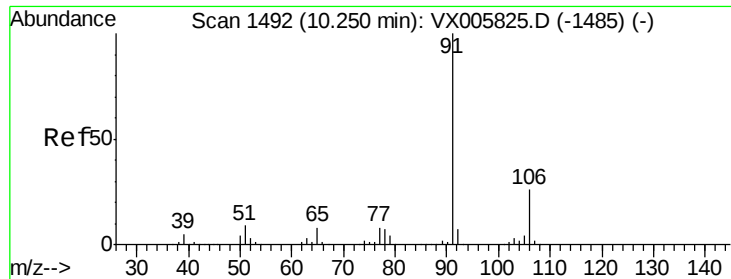
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.039 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion:131 Resp: 22982
Ion Ratio Lower Upper
131 100
133 93.8 47.5 142.5
119 67.3 31.8 95.3





#67

Ethyl Benzene

Concen: 20.788 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion: 91 Resp: 109962

Ion Ratio Lower Upper

91 100

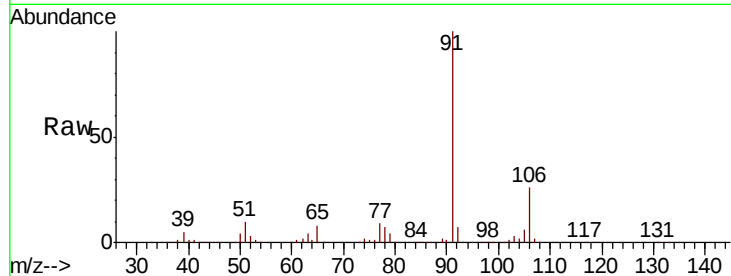
106 26.4 24.4 36.6

Manual Integrations

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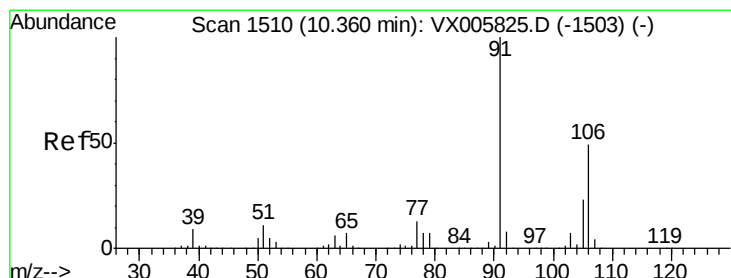
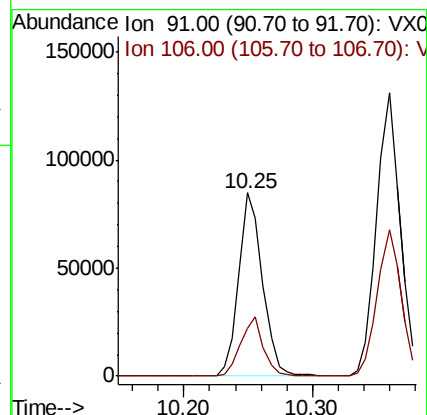
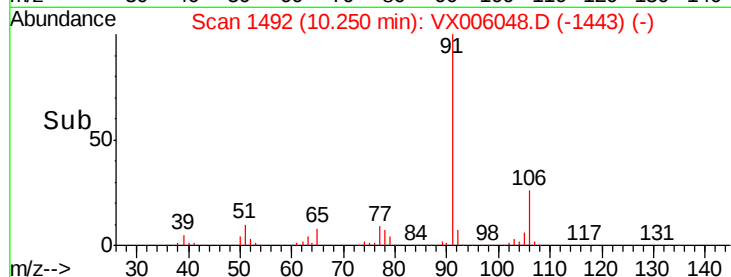
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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)



#68

m/p-Xylenes

Concen: 43.570 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006048.D

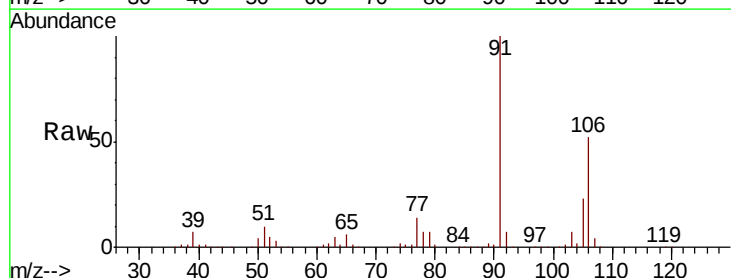
Acq: 16 Nov 2018 14:28

Tgt Ion: 106 Resp: 87911

Ion Ratio Lower Upper

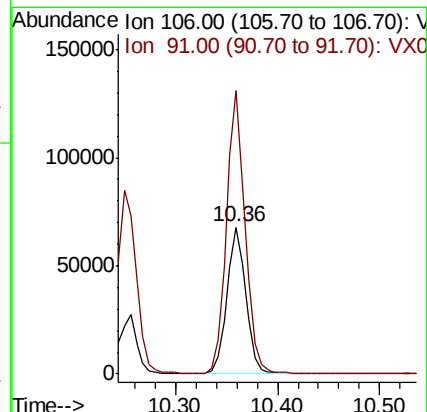
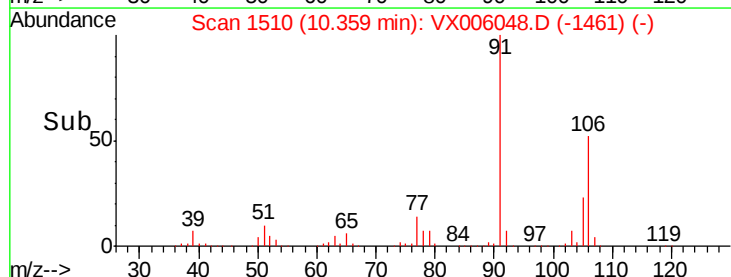
106 100

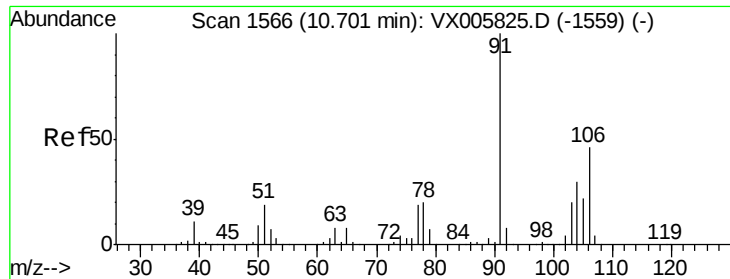
91 190.5 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)





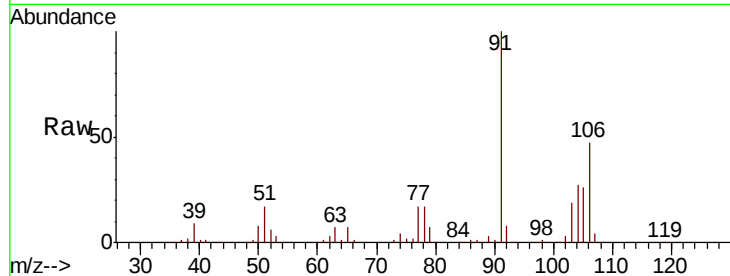
#69
o-Xylene
Concen: 21.821 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

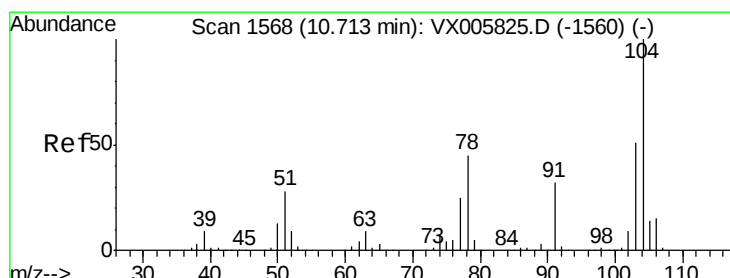
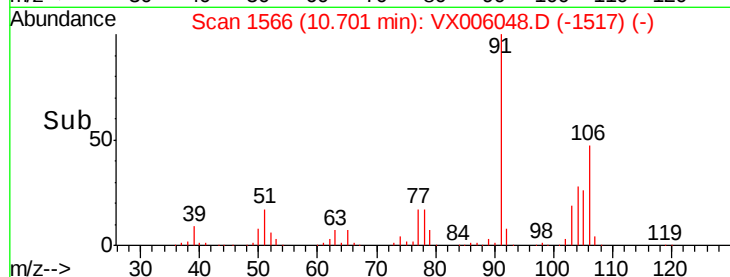
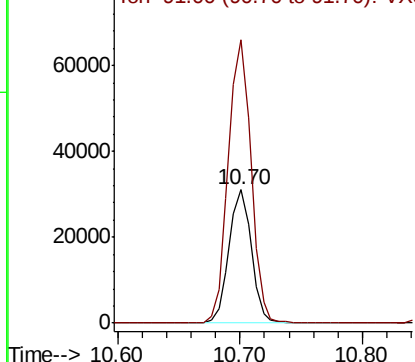
Tot Ion:106 Resp: 39481
Ion Ratio Lower Upper
106 100
91 216.1 108.5 325.5

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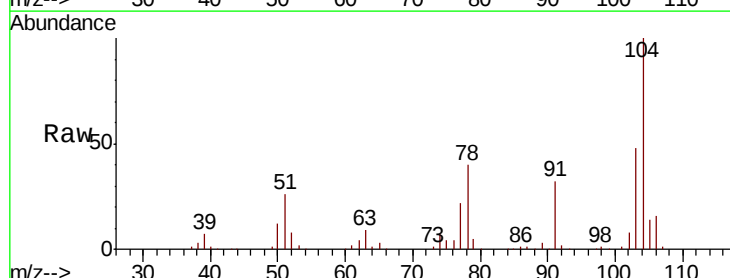


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

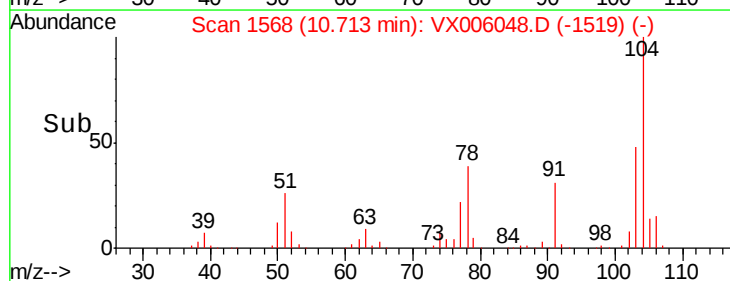
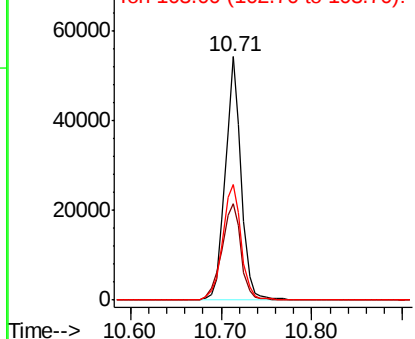


#70
Styrene
Concen: 22.471 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion:104 Resp: 67069
Ion Ratio Lower Upper
104 100
78 48.0 40.2 60.4
103 55.4 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





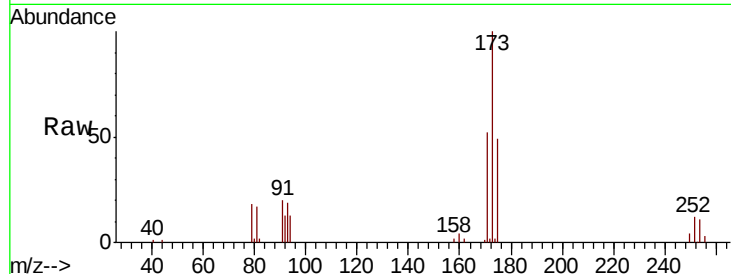
#71
Bromoform
Concen: 20.014 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

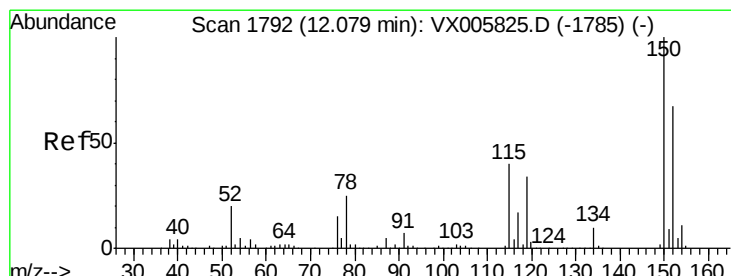
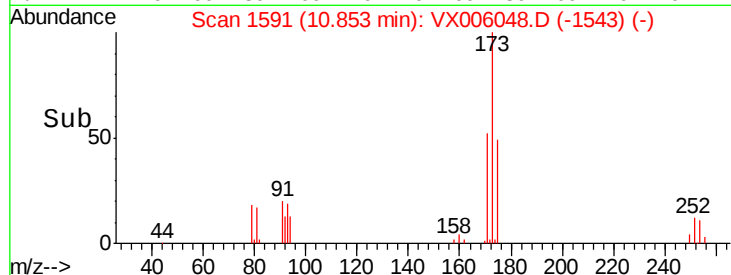
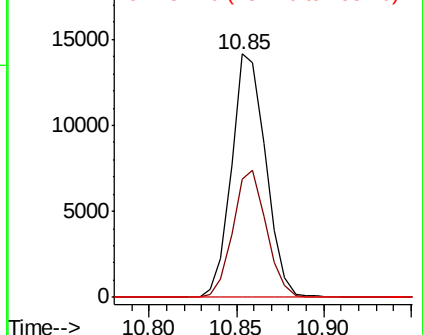
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.8	74.3
254	0.0	0.2	0.2

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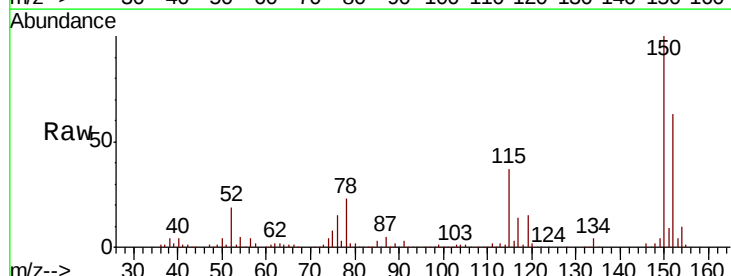


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

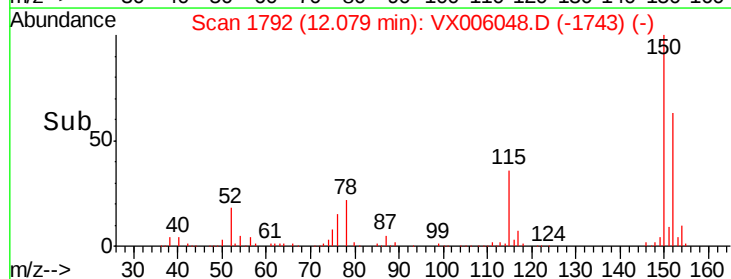
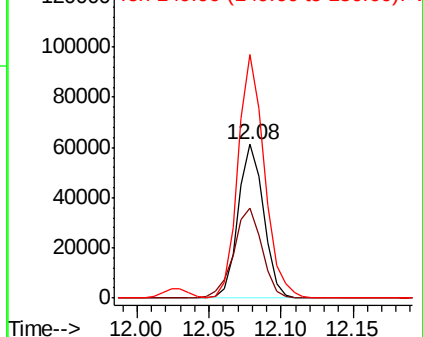


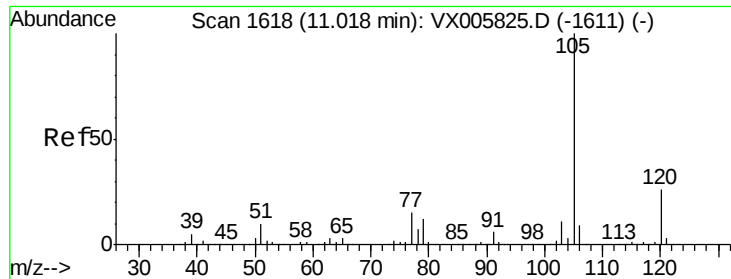
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.4	39.4	118.1
150	163.8	0.0	346.4



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





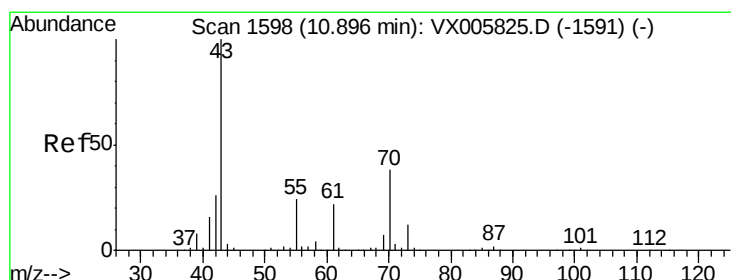
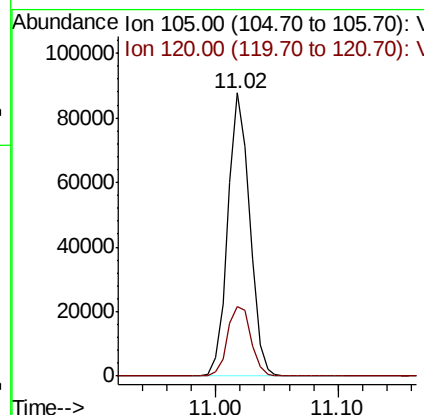
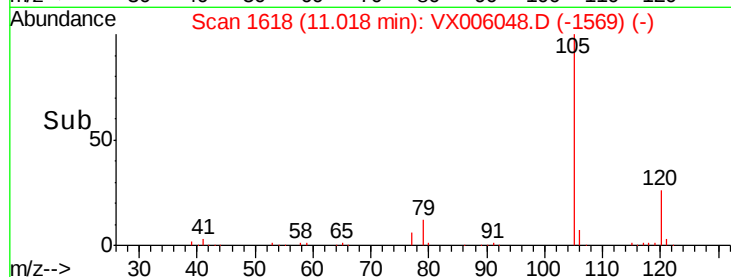
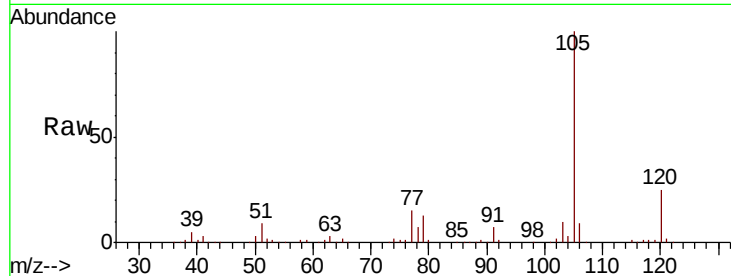
#73
Isopropylbenzene
Concen: 24.853 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion: 105 Resp: 108652
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.3

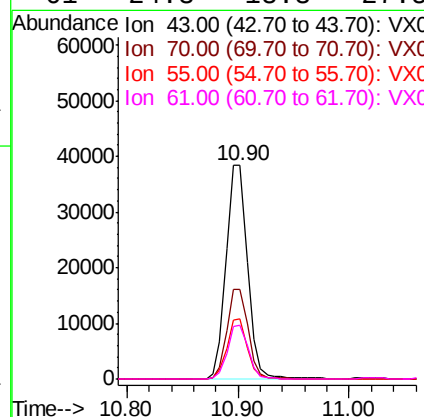
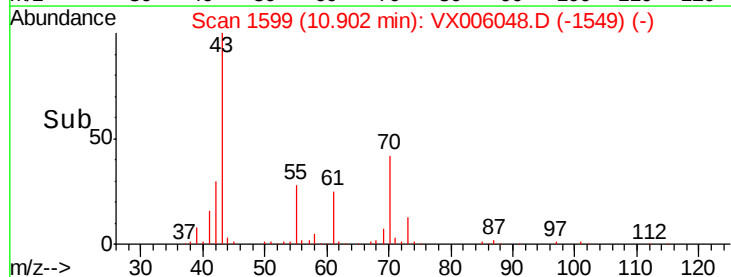
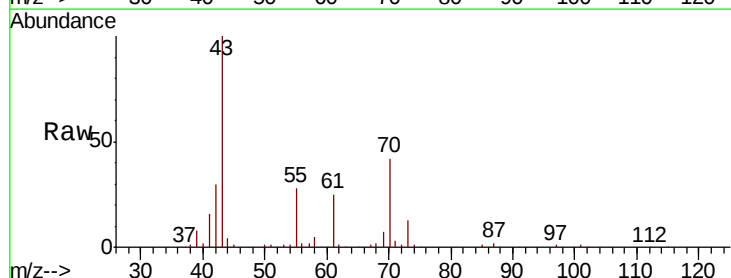
Manual Integrations
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#74
N-ethyl acetate
Concen: 21.771 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion: 43 Resp: 51626
Ion Ratio Lower Upper
43 100
70 41.6 31.6 47.4
55 26.7 19.7 29.5
61 24.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.626 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

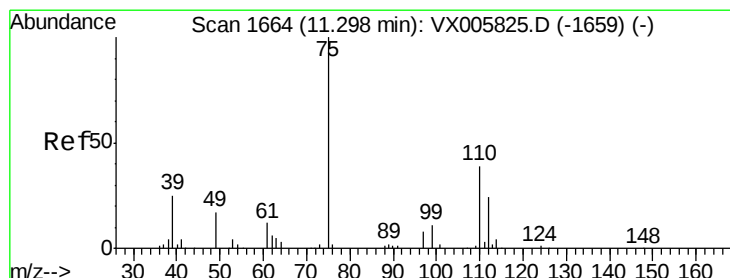
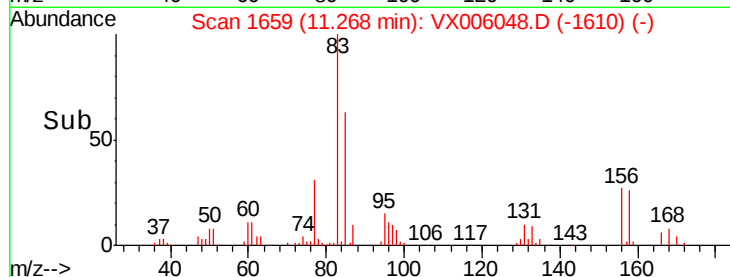
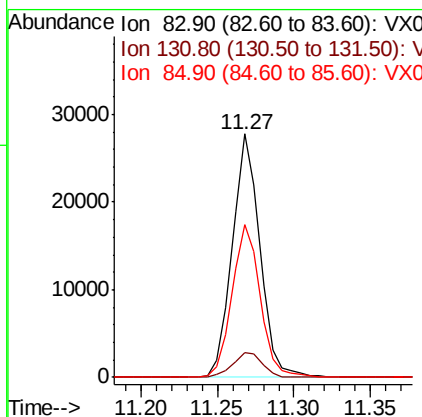
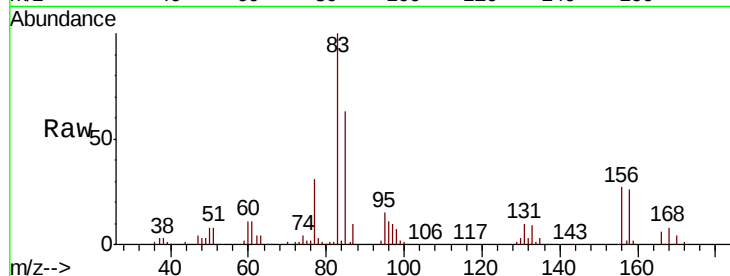
ClientSampleId :

VX1116WBSD01

Tot Ion:	83	Resp:	34701
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.3	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.852 ug/l m

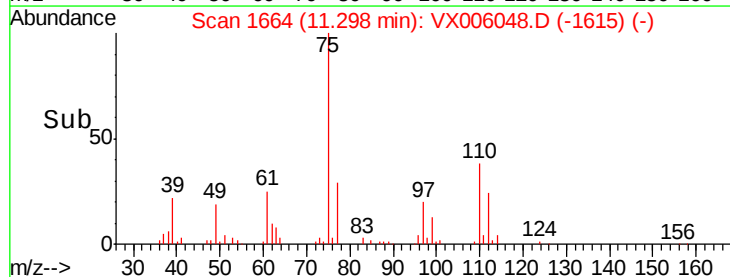
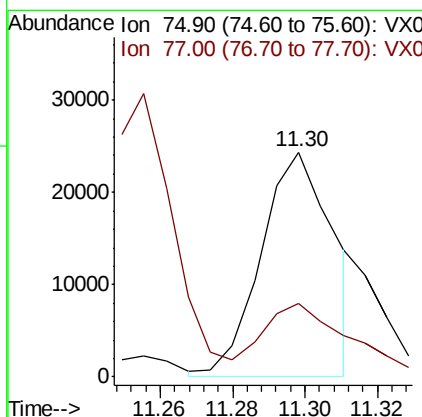
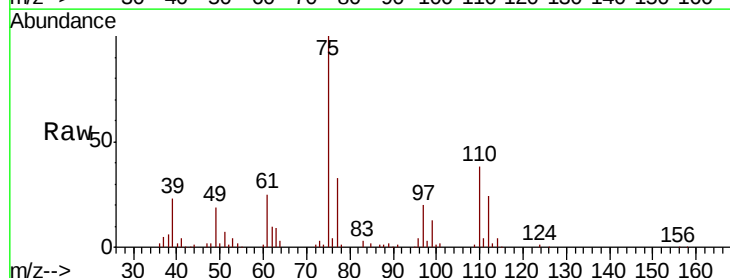
RT: 11.30 min Scan# 1664

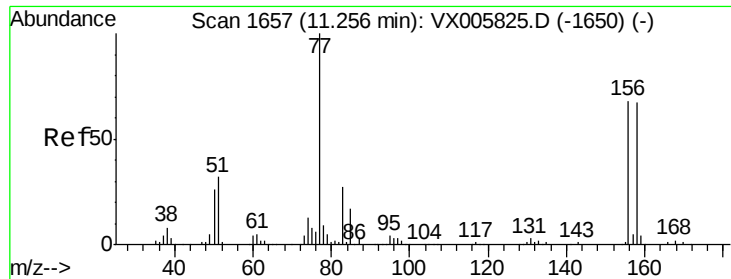
Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Tgt Ion:	75	Resp:	33637
Ion Ratio	Lower	Upper	
75	100		
77	39.2	20.5	61.6





#77

Bromobenzene

Concen: 21.398 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

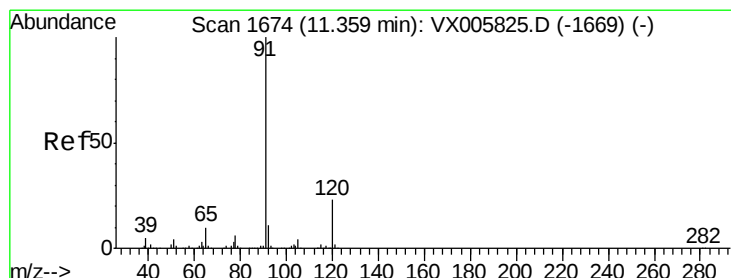
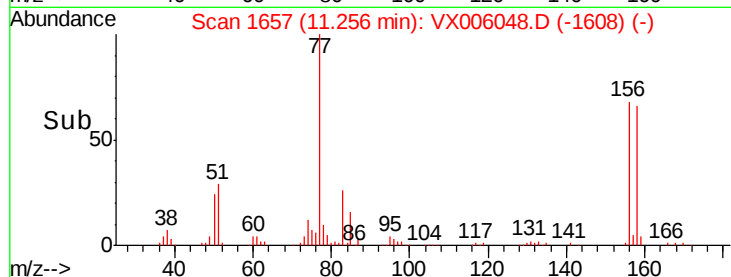
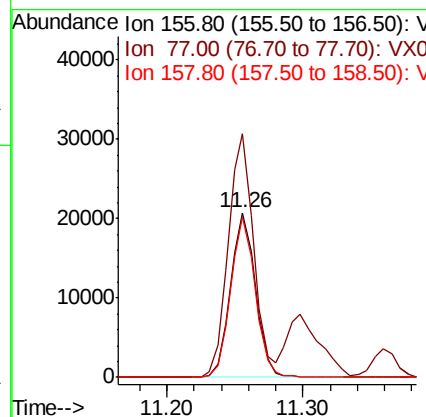
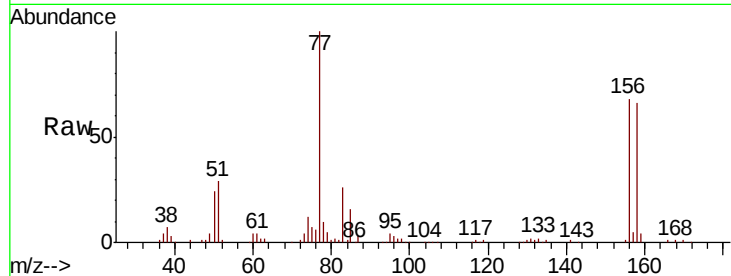
ClientSampleId :

VX1116WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.7	74.8	224.4	
158	96.6	49.1	147.3	

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#78

n-propylbenzene

Concen: 21.890 ug/l

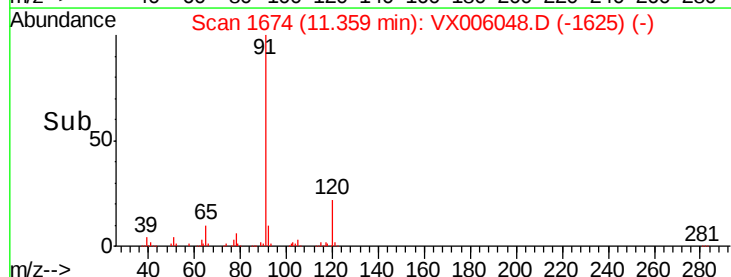
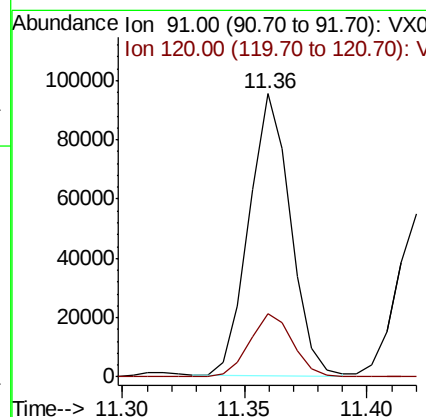
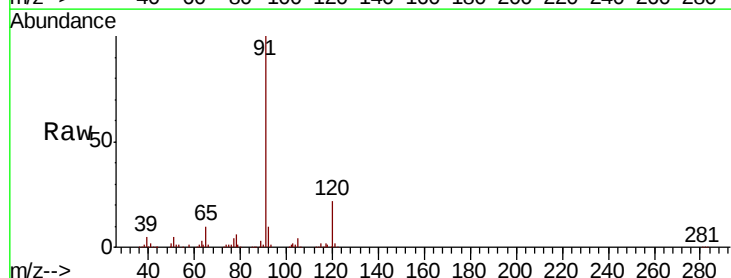
RT: 11.36 min Scan# 1674

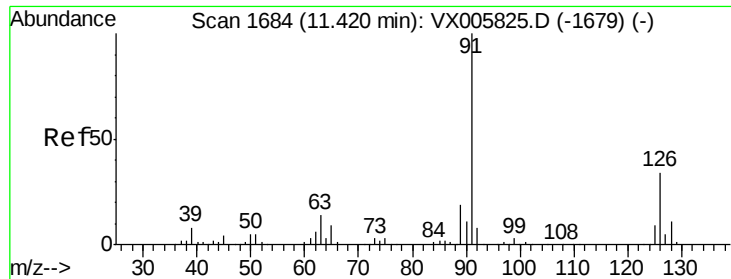
Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	11.9	35.5	





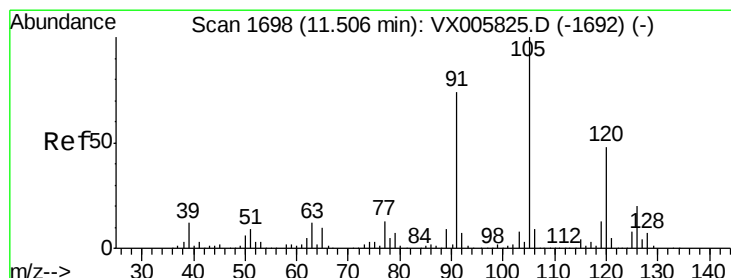
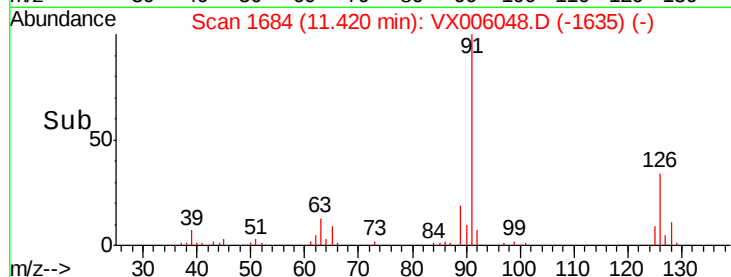
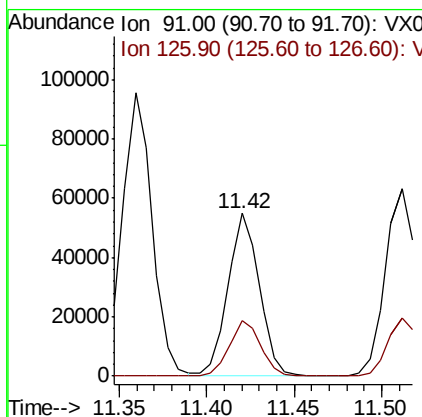
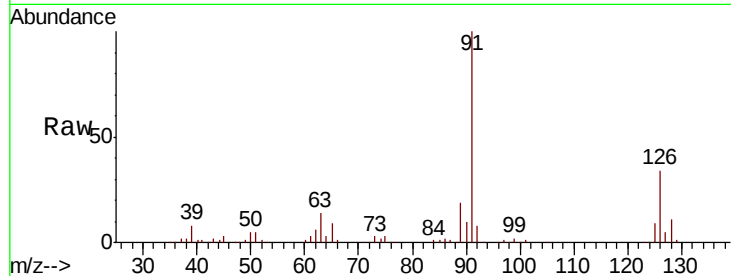
#79
 2-Chlorotoluene
 Concen: 21.873 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion: 91 Resp: 68116
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.3 52.0

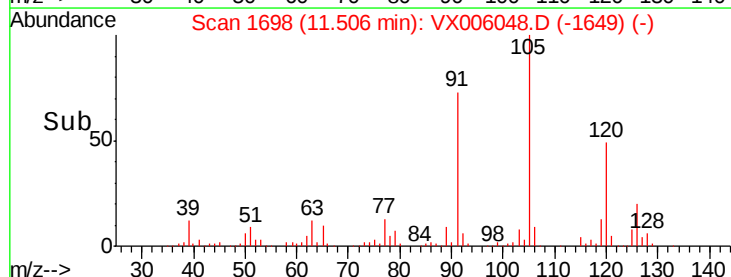
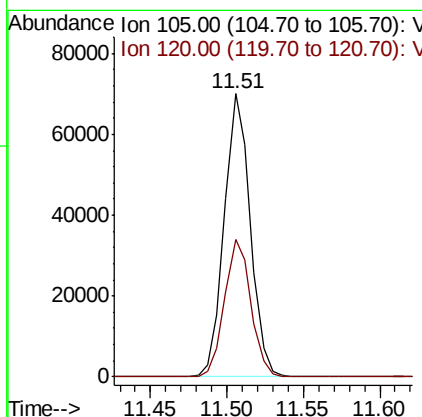
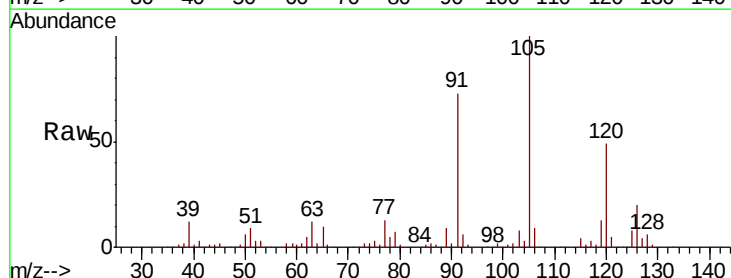
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.160 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion: 105 Resp: 82328
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 22.088 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

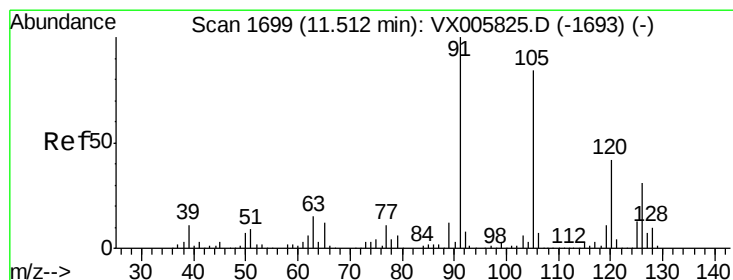
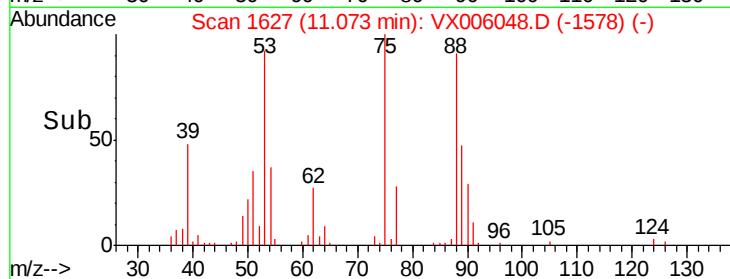
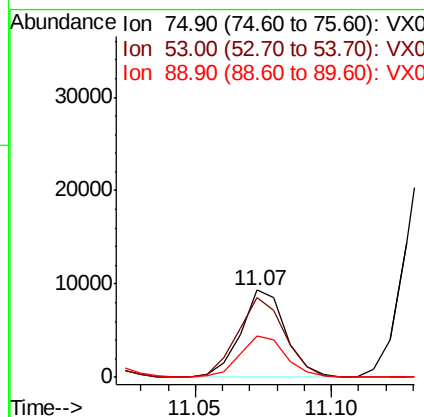
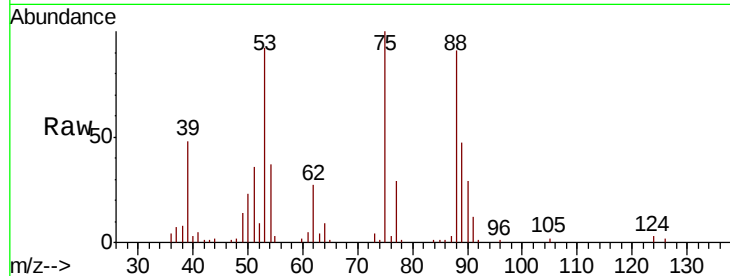
ClientSampleId :

VX1116WBSD01

Tot Ion:	75	Resp:	10668
Ion	Ratio	Lower	Upper
75	100		
53	97.9	80.2	120.2
89	48.9	39.8	59.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.752 ug/l

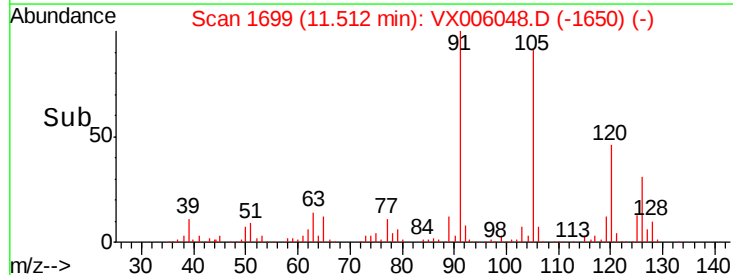
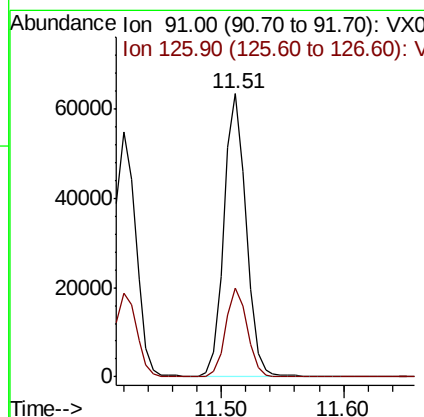
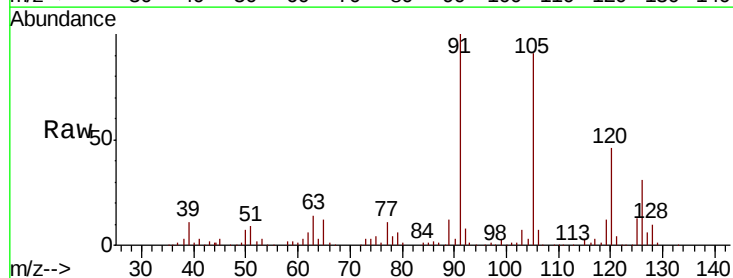
RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Tgt Ion:	91	Resp:	79833
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.2	45.6





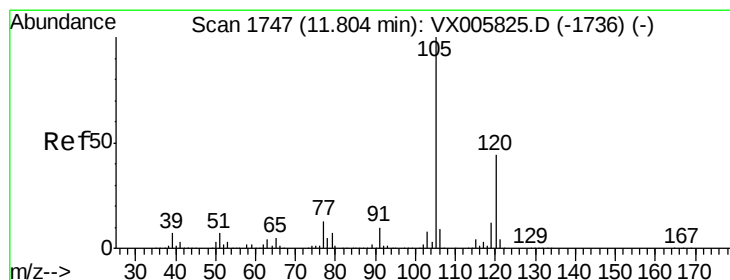
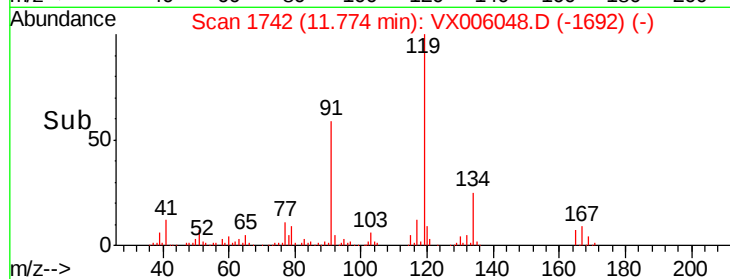
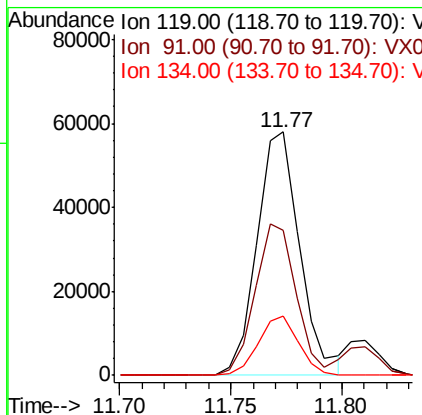
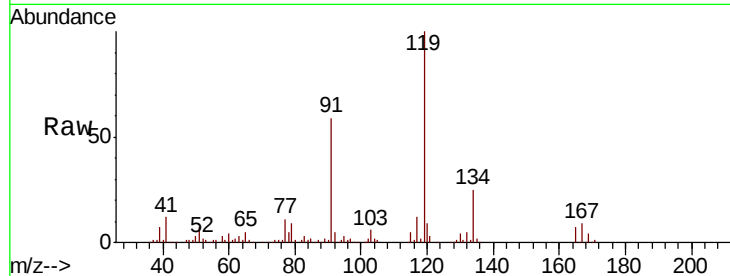
#83
 tert-Butylbenzene
 Concen: 20.634 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	77551		
91	59.7		28.5	85.5
134	23.0		11.3	33.8

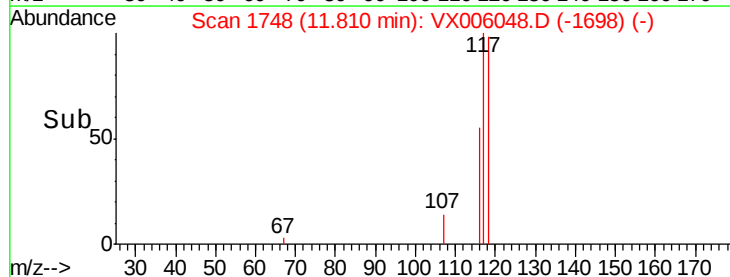
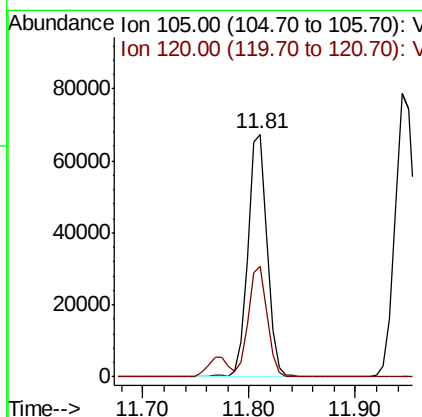
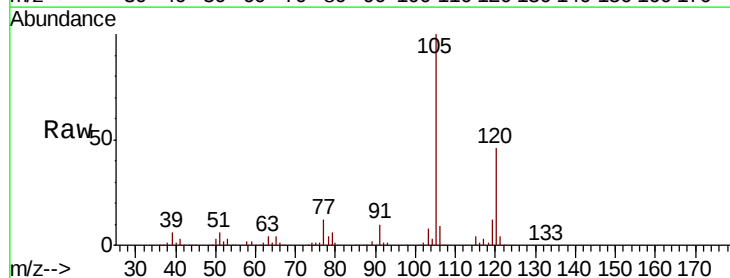
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.766 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	85425		
120	44.6		22.4	67.0





#85

sec-Butylbenzene

Concen: 21.574 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX1116WBSD01

Tot Ion:105 Resp: 99156

Ion Ratio Lower Upper

105 100

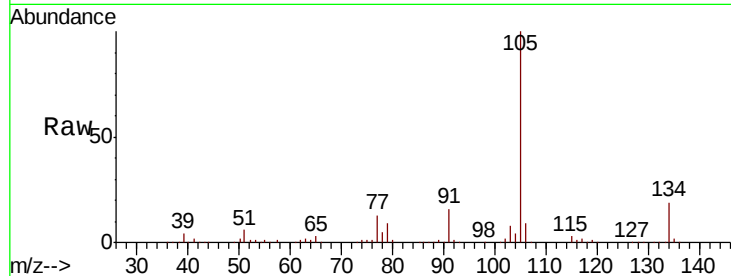
134 20.0 10.2 30.4

Manual Integrations

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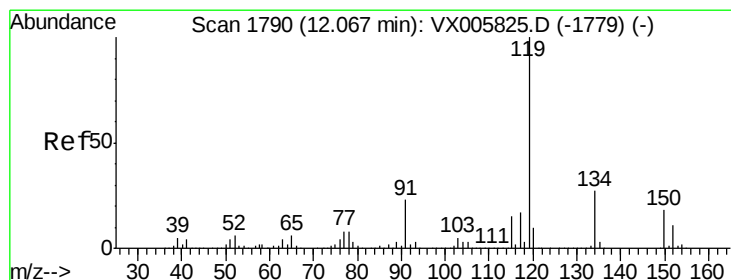
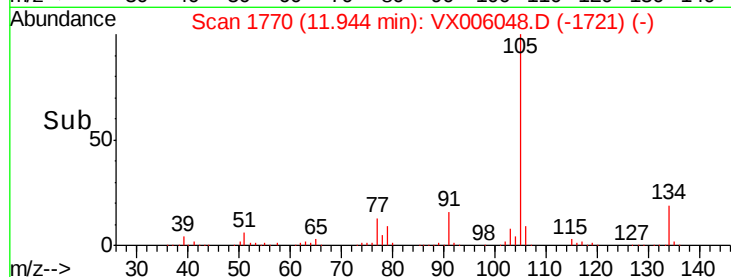
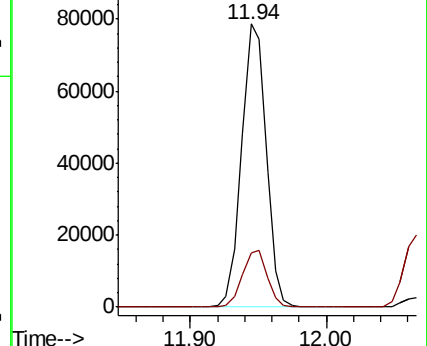
MMDadoda

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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: 21.557 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

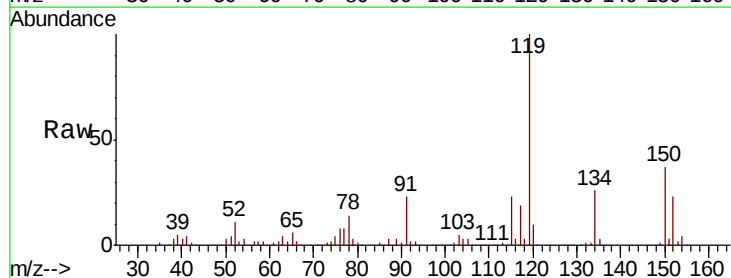
Tgt Ion:119 Resp: 87760

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

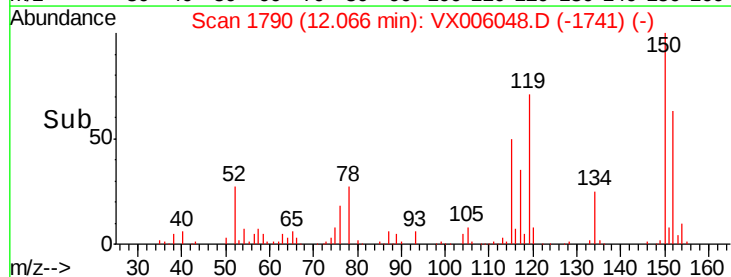
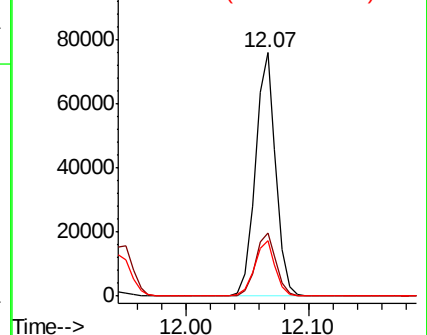
91 23.2 11.4 34.2



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): VX0





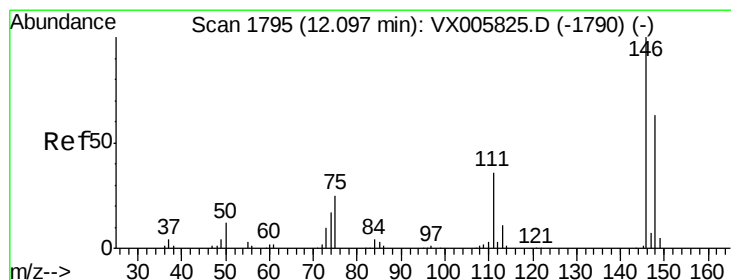
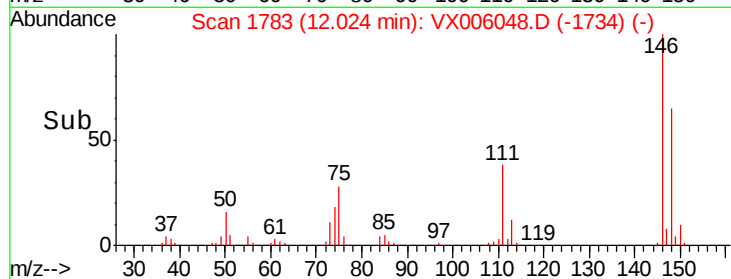
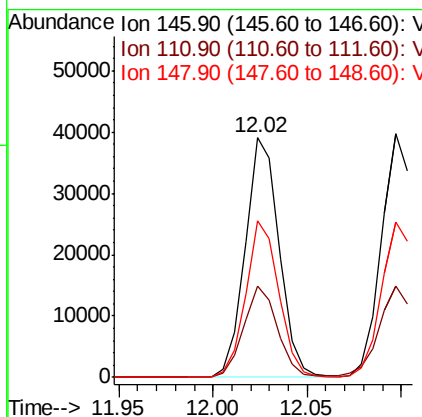
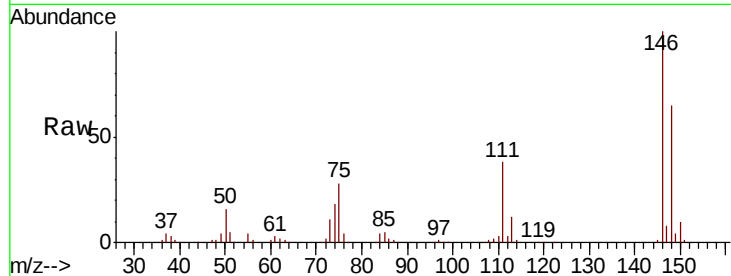
#87
 1,3-Dichlorobenzene
 Concen: 20.585 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	63.9	31.9	95.9

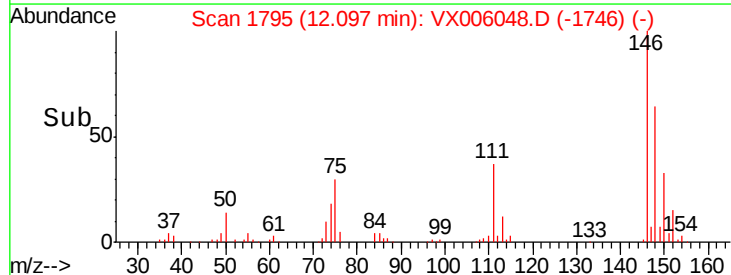
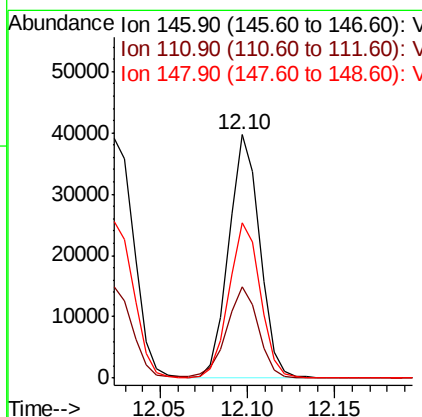
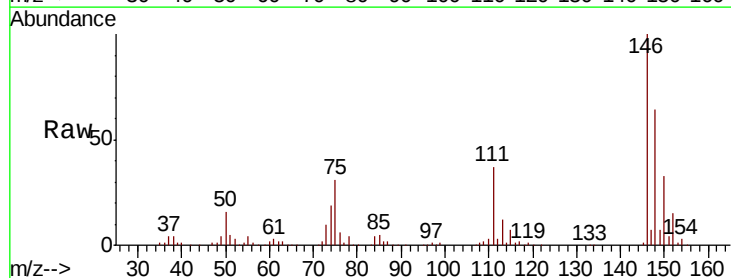
Manual Integrations
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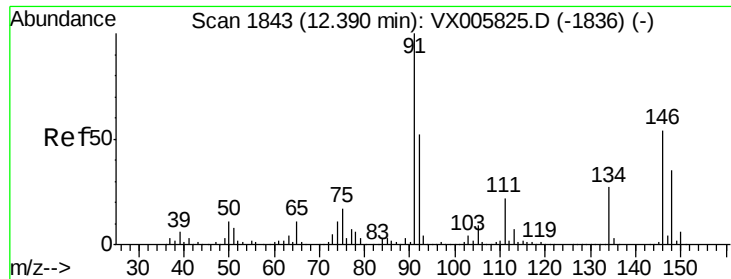
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#88
 1,4-Dichlorobenzene
 Concen: 20.264 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.8
148	64.8	32.1	96.3





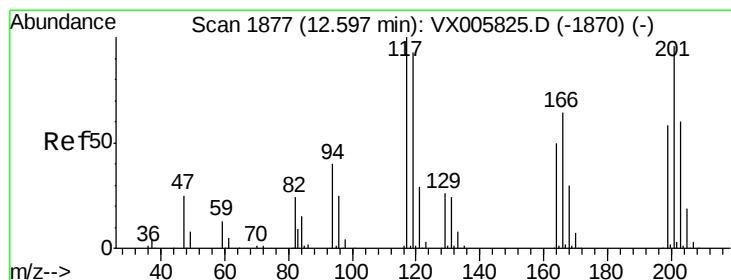
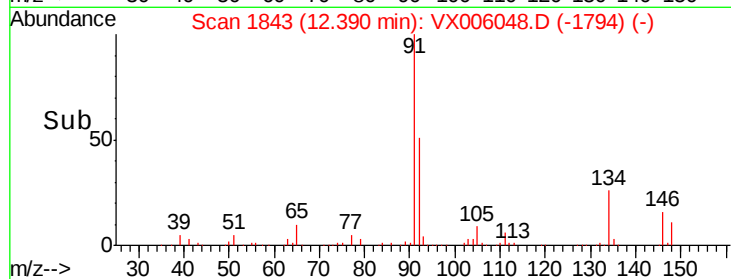
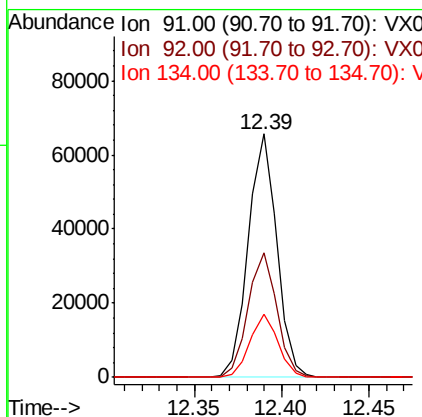
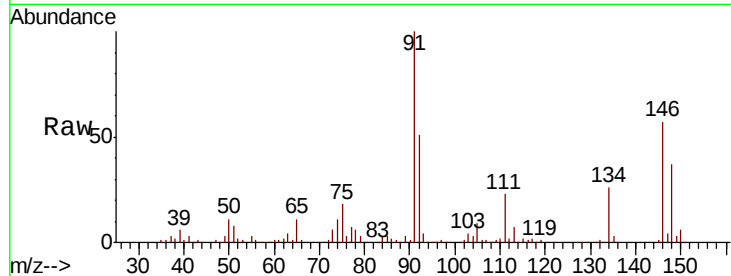
#89
n-Butylbenzene
Concen: 19.793 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	25.5	13.1	39.3

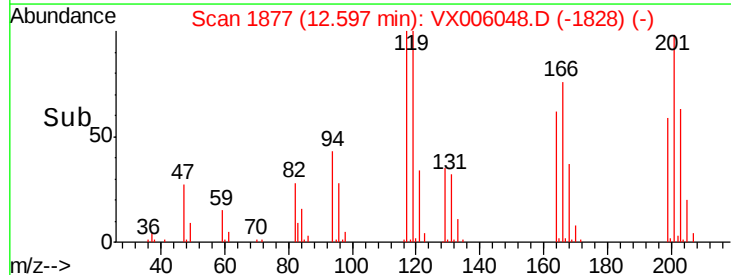
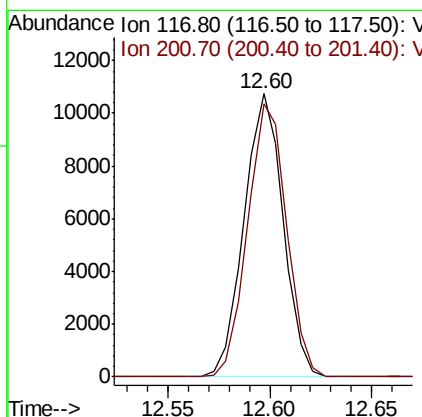
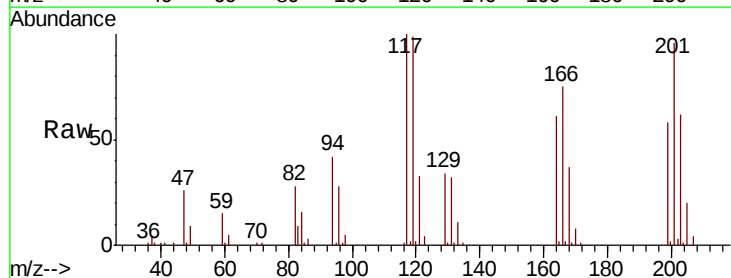
Manual Integrations
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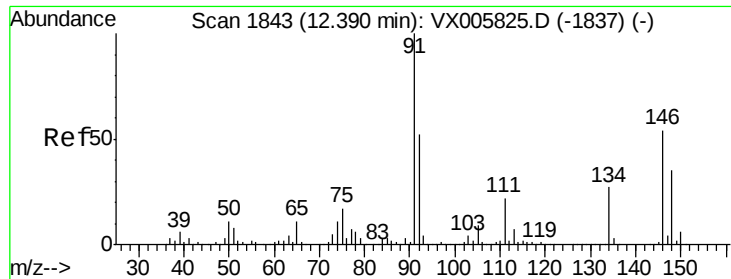
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#90
Hexachloroethane
Concen: 20.971 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006048.D
Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.5	47.9	143.6





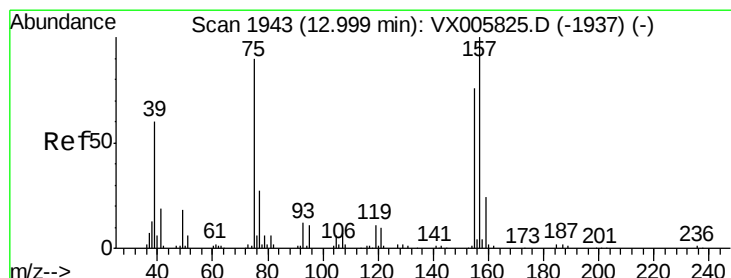
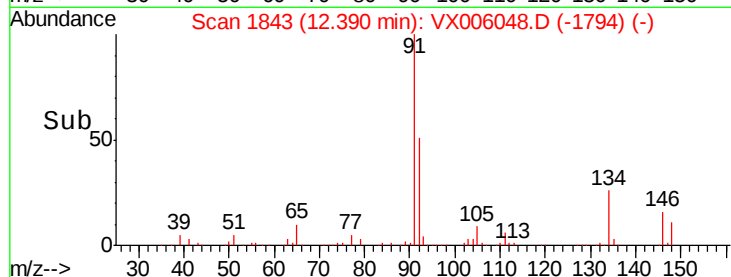
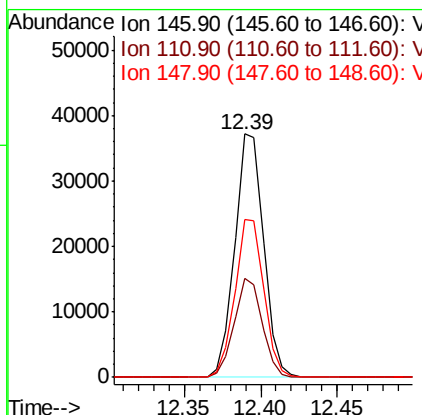
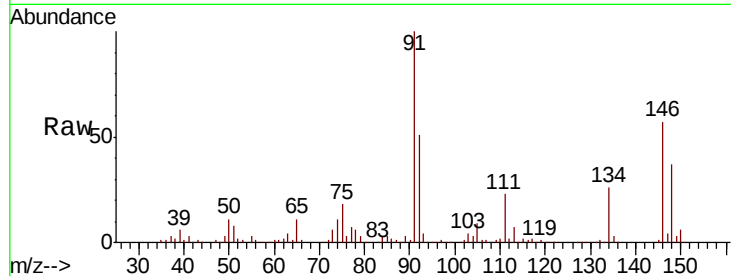
#91
 1,2-Dichlorobenzene
 Concen: 20.559 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.7	32.2	96.6

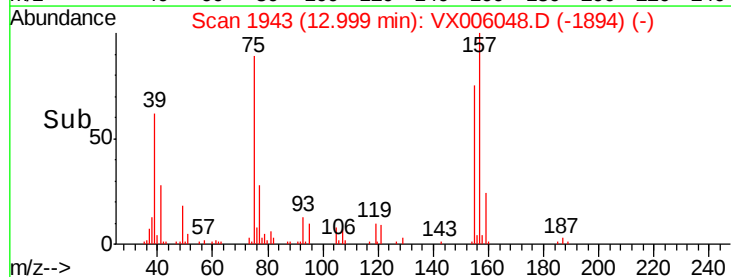
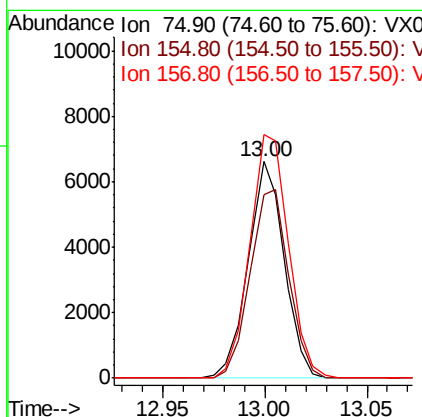
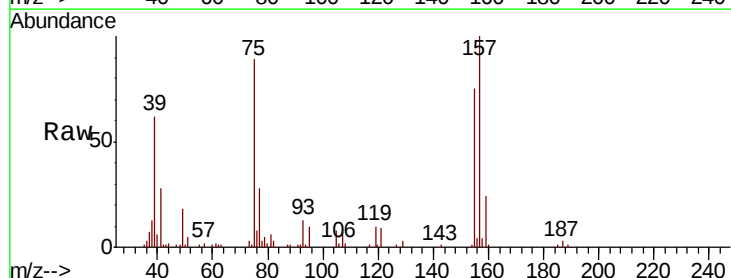
Manual Integrations
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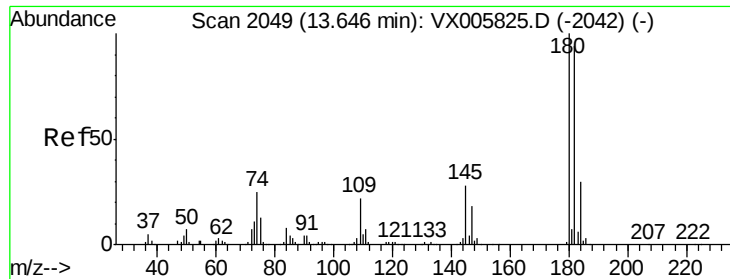
MMDadoda
 11/19/2018 12:22:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.793 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	45.4	136.1
157	120.2	57.4	172.0





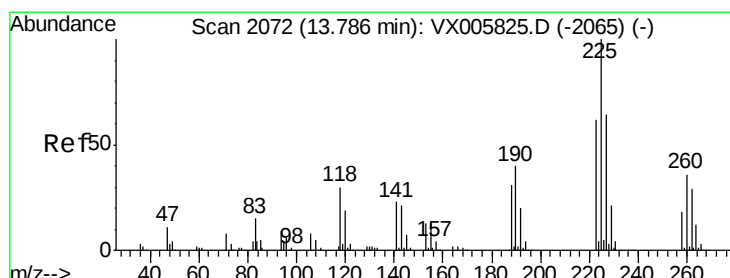
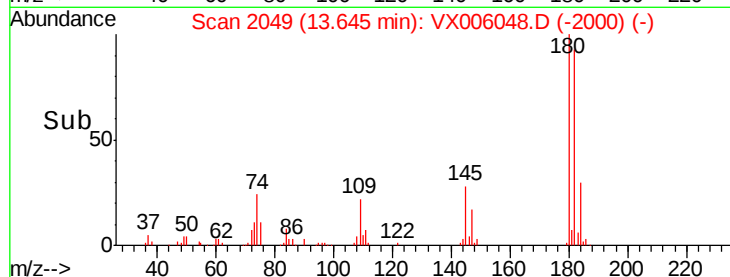
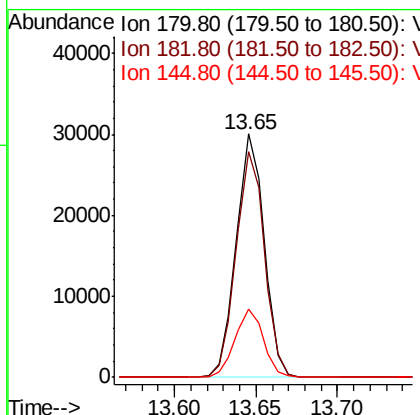
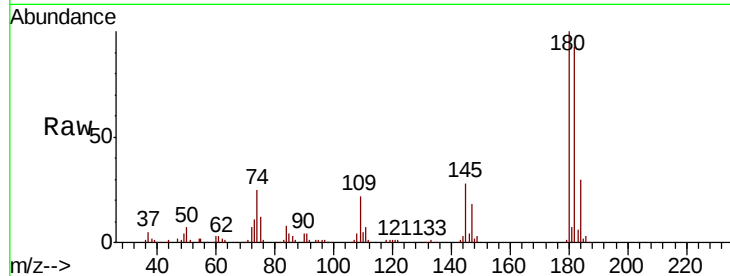
#93
 1,2,4-Trichlorobenzene
 Concen: 21.577 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	35985		
182	94.1	47.6	142.8	
145	28.4	14.1	42.2	

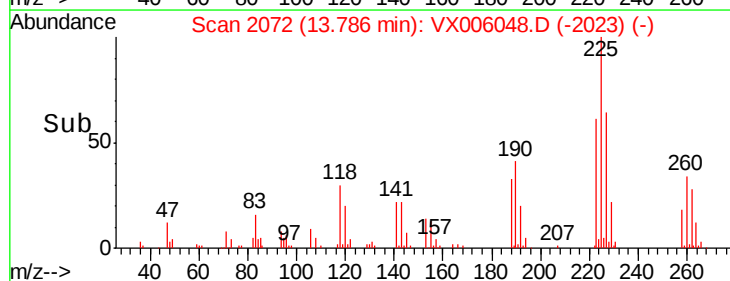
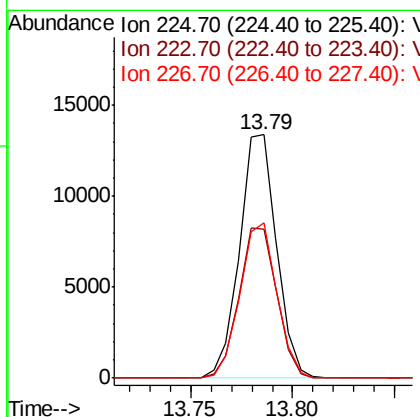
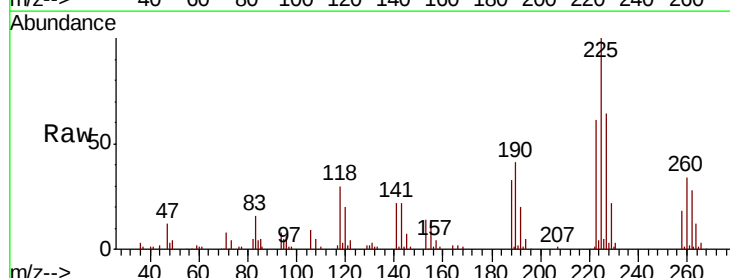
Manual Integrations
 APPROVED

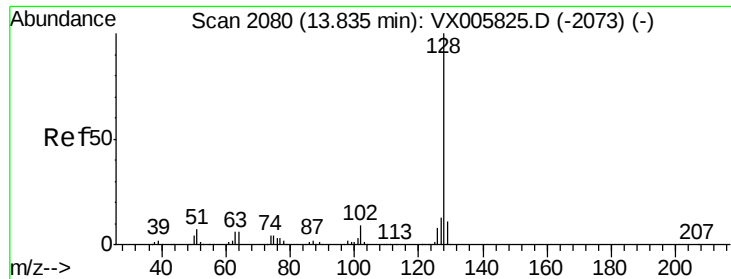
MMDadoda
 11/19/2018 12:22:39 PM



#94
 Hexachlorobutadiene
 Concen: 19.218 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006048.D
 Acq: 16 Nov 2018 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16836		
223	63.2	31.7	95.1	
227	63.3	32.3	96.9	





#95

Naphthalene

Concen: 21.056 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Instrument :

MSVOA_X

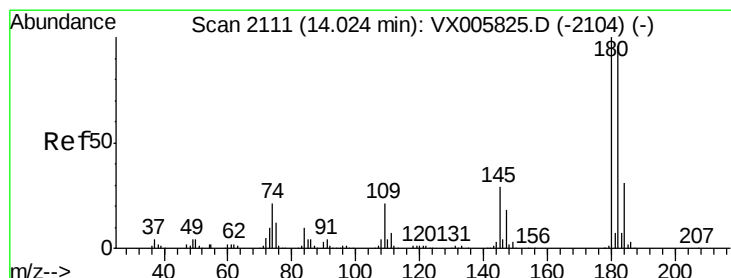
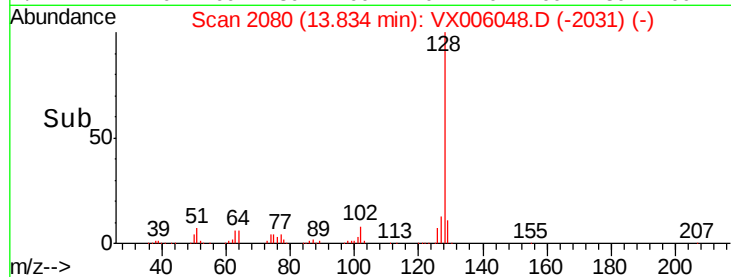
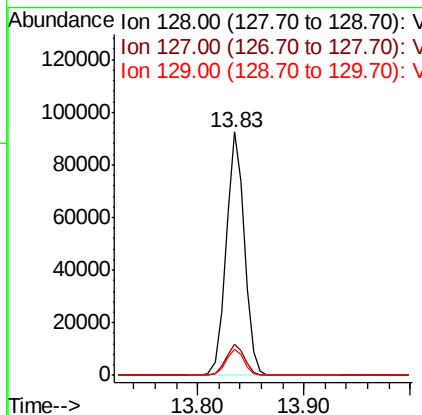
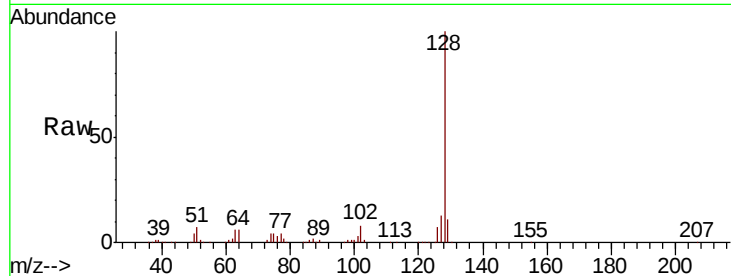
ClientSampleId :

VX1116WBSD01

Tot Ion:	128	Resp:	110724
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.560 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX006048.D

Acq: 16 Nov 2018 14:28

Tgt Ion:	180	Resp:	36631
Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.2
145	30.2	15.1	45.3

