

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004887.D
 Acq On : 01 Oct 2018 23:30
 Operator : JC/MD
 Sample : VX1001WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/4/2018 7:07:54 PM

Quant Time: Oct 02 05:22:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187085	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	161923	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	5.50	113	131982	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	8.72	98	495270	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	11.14	95	178700	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66715	22.235	ug/l	97
3) Chloromethane	1.32	50	74470	20.457	ug/l	98
4) Vinyl Chloride	1.40	62	72358	21.193	ug/l	100
5) Bromomethane	1.64	94	45988	22.714	ug/l	99
6) Chloroethane	1.72	64	46576	23.813	ug/l	100
7) Trichlorofluoromethane	1.93	101	93153	22.039	ug/l	94
8) Diethyl Ether	2.19	74	36857	20.072	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51378	21.339	ug/l	98
10) Methyl Iodide	2.51	142	41514	12.885	ug/l	98
11) Tert butyl alcohol	3.07	59	93010	105.817	ug/l	100
12) 1,1-Dichloroethene	2.37	96	49605	20.804	ug/l	95
13) Acrolein	2.29	56	38676	61.843	ug/l	95
14) Allyl chloride	2.73	41	109246	20.998	ug/l	94
15) Acrylonitrile	3.15	53	205874	106.397	ug/l	98
16) Acetone	2.45	43	184611	100.590	ug/l	95
17) Carbon Disulfide	2.57	76	138649	19.351	ug/l	98
18) Methyl Acetate	2.78	43	108816	23.402	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	181217	22.033	ug/l	96
20) Methylene Chloride	2.85	84	57942	21.231	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	52639	20.167	ug/l	96
22) Diisopropyl ether	3.87	45	184271	21.034	ug/l	92
23) Vinyl Acetate	3.82	43	804546	100.327	ug/l	95
24) 1,1-Dichloroethane	3.70	63	101564	19.435	ug/l	99
25) 2-Butanone	4.70	43	272980	100.907	ug/l	92
26) 2,2-Dichloropropane	4.59	77	58390	16.045	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	57398	19.684	ug/l	97
28) Bromochloromethane	5.02	49	49475	20.104	ug/l	90
29) Tetrahydrofuran	5.16	42	181528	107.962	ug/l	91
30) Chloroform	5.21	83	99225	20.090	ug/l	96
31) Cyclohexane	5.57	56	85026	21.258	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	82951	20.565	ug/l	99
36) 1,1-Dichloropropene	5.80	75	70164	18.689	ug/l	99
37) Ethyl Acetate	4.86	43	96471	19.358	ug/l	98
38) Carbon Tetrachloride	5.78	117	72573	18.389	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	76779	20.028	ug/l	94
40) Benzene	6.14	78	220805	18.786	ug/l	99
41) Methacrylonitrile	5.06	41	53840	19.481	ug/l	96
42) 1,2-Dichloroethane	6.20	62	79889	19.227	ug/l	97
43) Isopropyl Acetate	6.46	43	139529	19.398	ug/l	95
44) Trichloroethene	7.21	130	58445	20.227	ug/l	95
45) 1,2-Dichloropropane	7.52	63	60421	20.962	ug/l	100
46) Dibromomethane	7.66	93	39184	21.631	ug/l	97
47) Bromodichloromethane	7.90	83	72326	21.326	ug/l	98
48) Methyl methacrylate	7.77	41	72011	22.057	ug/l	94
49) 1,4-Dioxane	7.76	88	34769	428.668	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	509020	112.391	ug/l	93
52) Toluene	8.79	92	136969	21.208	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	75705	19.753	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	84371	21.018	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	58375	20.634	ug/l	94
56) Ethyl methacrylate	9.18	69	83245	19.957	ug/l	93
57) 1,3-Dichloropropane	9.37	76	96262	20.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	248154	110.246	ug/l	93
59) 2-Hexanone	9.50	43	398245	105.521	ug/l	92
60) Dibromochloromethane	9.59	129	57747	20.411	ug/l	100
61) 1,2-Dibromoethane	9.67	107	60002	19.804	ug/l	98
64) Tetrachloroethene	9.34	164	58544	19.171	ug/l	95
65) Chlorobenzene	10.14	112	152398	19.154	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	54631	19.531	ug/l	99
67) Ethyl Benzene	10.26	91	249227	19.730	ug/l	99
68) m/p-Xylenes	10.36	106	196804	39.870	ug/l	94
69) o-Xylene	10.70	106	93837	20.697	ug/l	95
70) Styrene	10.71	104	159232	20.115	ug/l	97
71) Bromoform	10.86	173	44811	18.712	ug/l	97
73) Isopropylbenzene	11.02	105	253987	21.539	ug/l	99
74) N-amyl acetate	10.90	43	118326	19.366	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	94431	19.672	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	85854m	20.474	ug/l	
77) Bromobenzene	11.26	156	70344	20.538	ug/l	97
78) n-propylbenzene	11.36	91	290007	21.434	ug/l	99
79) 2-Chlorotoluene	11.42	91	178893	21.212	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	215923	19.859	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	22811	16.235	ug/l	95
82) 4-Chlorotoluene	11.51	91	208772	21.031	ug/l	100
83) tert-Butylbenzene	11.77	119	207757	21.399	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	222421	19.836	ug/l	97
85) sec-Butylbenzene	11.94	105	251676	21.282	ug/l	98
86) p-Isopropyltoluene	12.07	119	224437	20.948	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	127353	19.912	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	129784	19.657	ug/l	98
89) n-Butylbenzene	12.39	91	192855	19.820	ug/l	97
90) Hexachloroethane	12.60	117	34979	19.608	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	128100	19.166	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21327	20.235	ug/l	93

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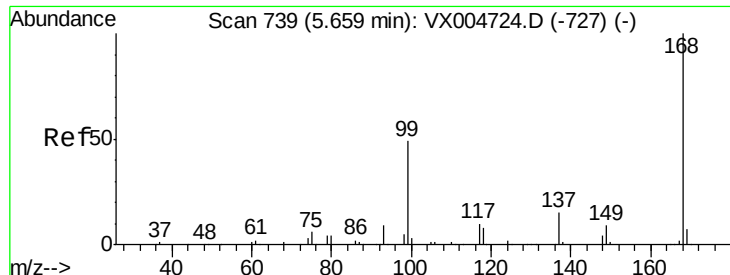
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	90566	19.316	ug/l	99
94) Hexachlorobutadiene	13.79	225	45326	18.643	ug/l	98
95) Naphthalene	13.83	128	285735	18.817	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	95543	19.727	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion:168 Resp: 220061

Ion Ratio Lower Upper

168 100

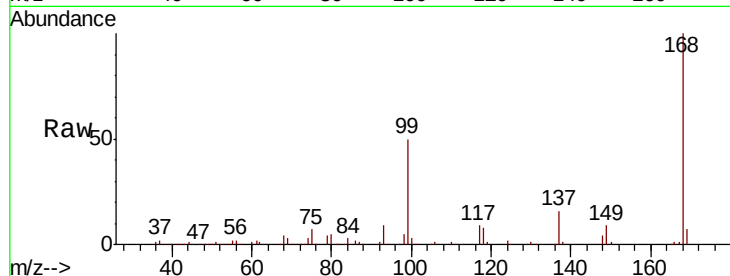
99 50.2 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

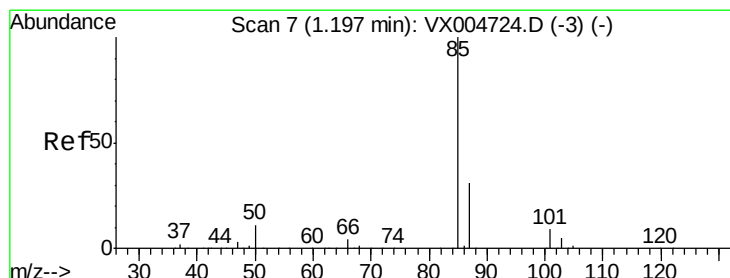
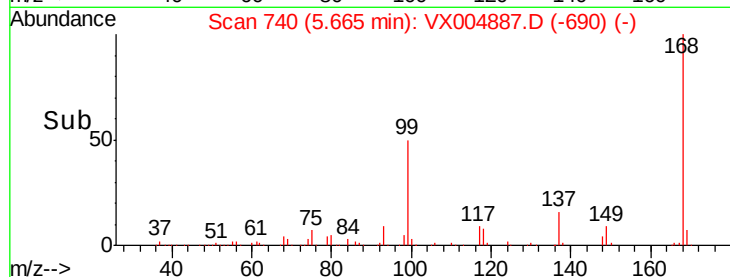
40000

20000

0

5.60 5.80 6.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.235 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004887.D

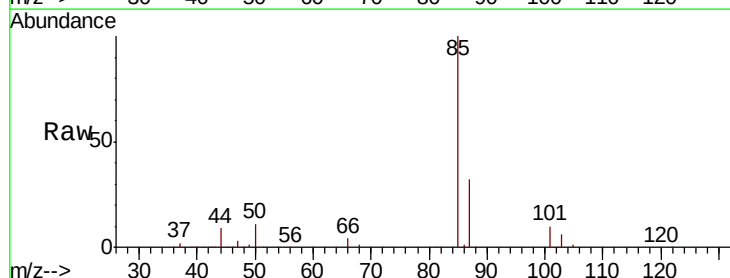
Acq: 01 Oct 2018 23:30

Tgt Ion: 85 Resp: 66715

Ion Ratio Lower Upper

85 100

87 32.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

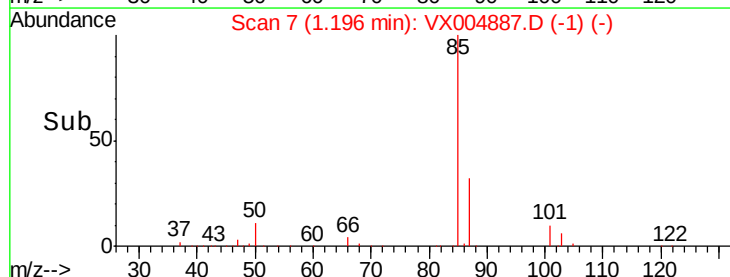
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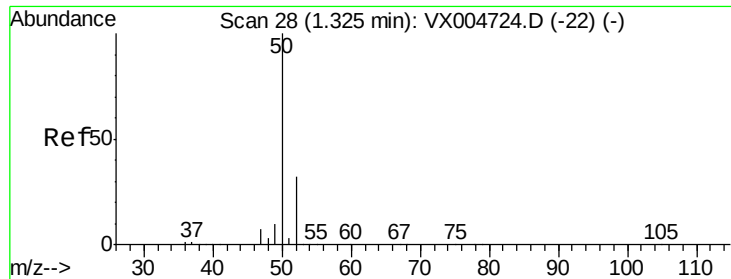
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.457 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion: 50 Resp: 74470

Ion Ratio Lower Upper

50 100

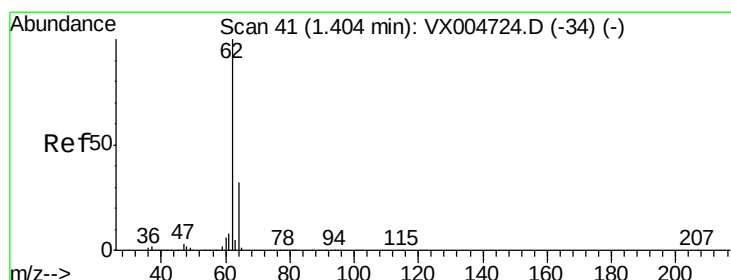
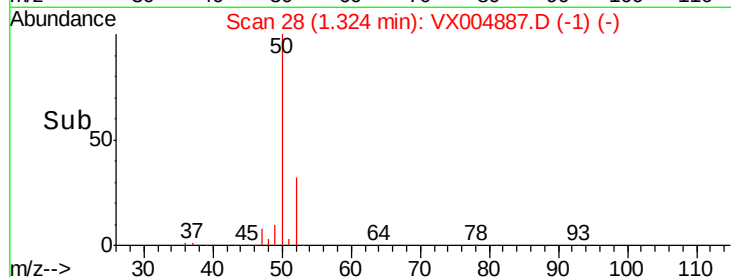
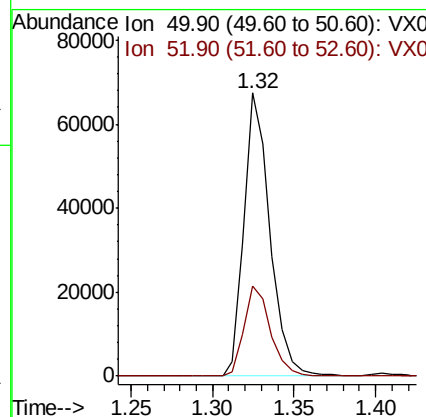
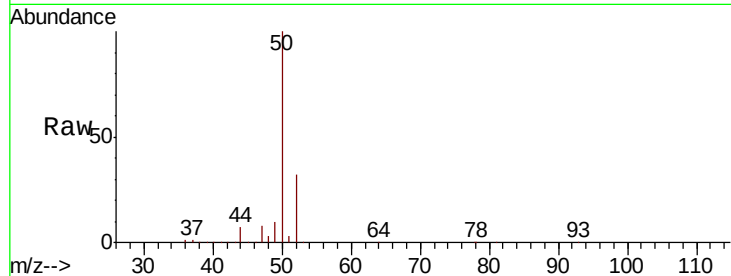
52 31.7 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.193 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004887.D

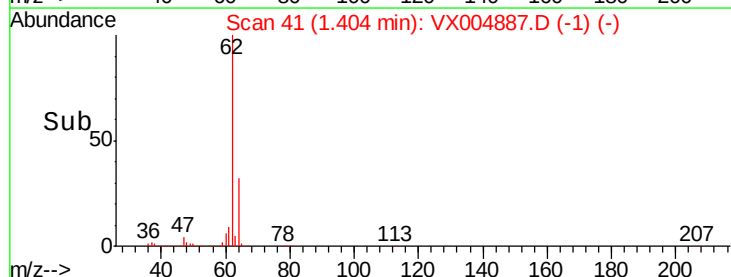
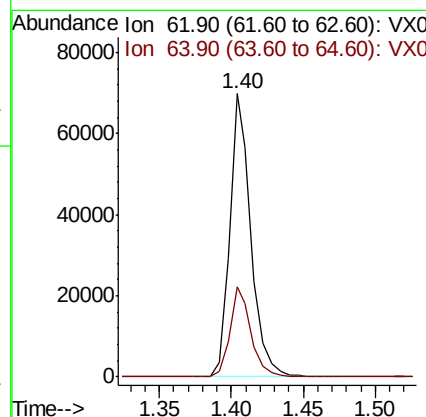
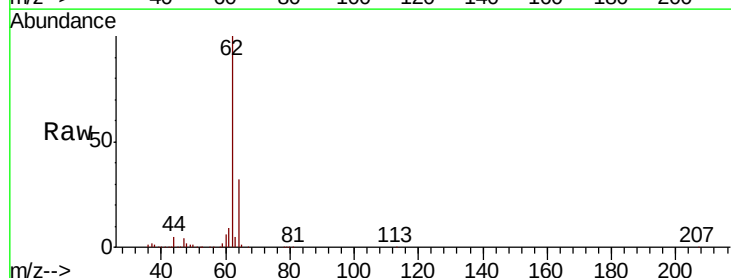
Acq: 01 Oct 2018 23:30

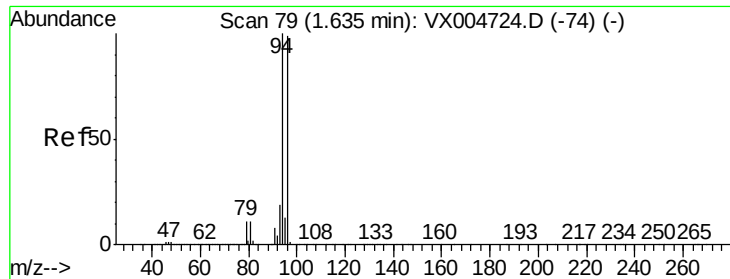
Tgt Ion: 62 Resp: 72358

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 22.714 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion: 94 Resp: 45988

Ion Ratio Lower Upper

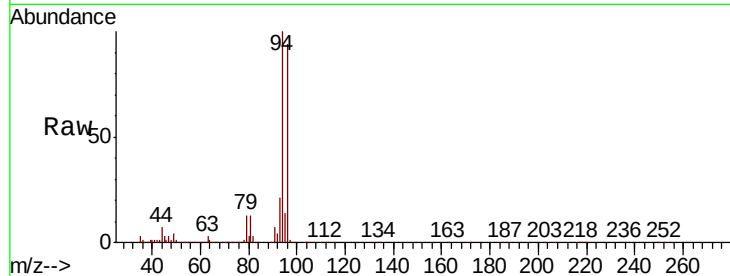
94 100

96 93.9 74.5 111.7

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

50000

40000

30000

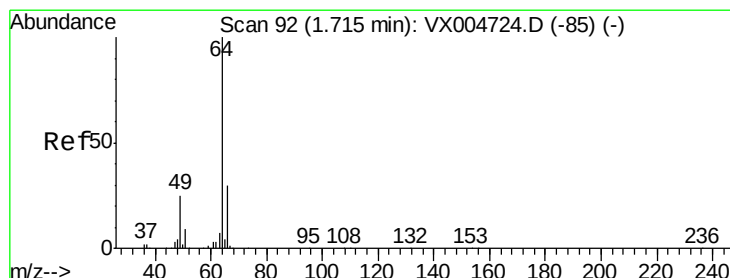
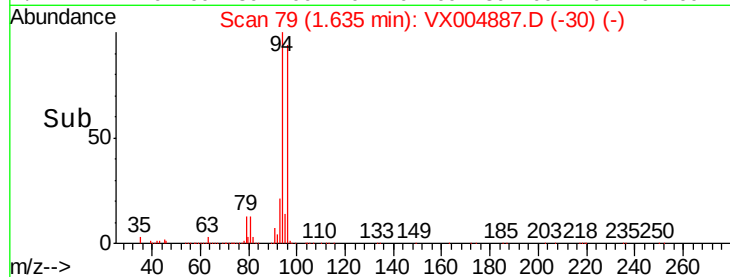
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10000

0

1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 23.813 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004887.D

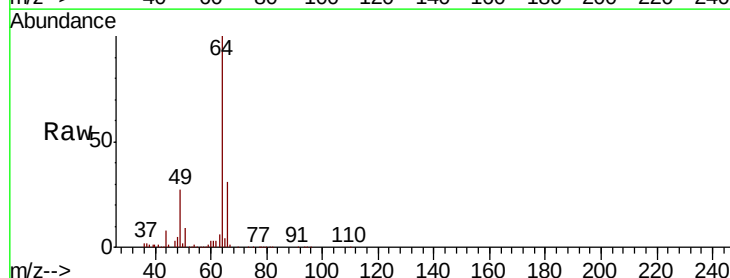
Acq: 01 Oct 2018 23:30

Tgt Ion: 64 Resp: 46576

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

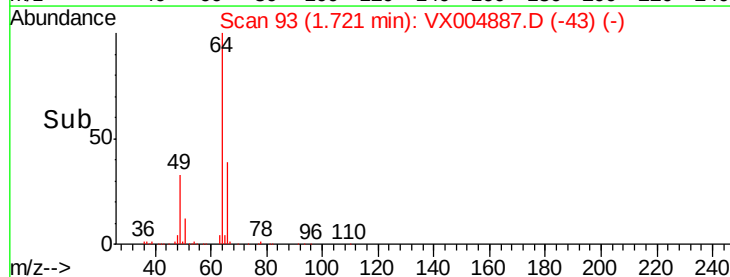
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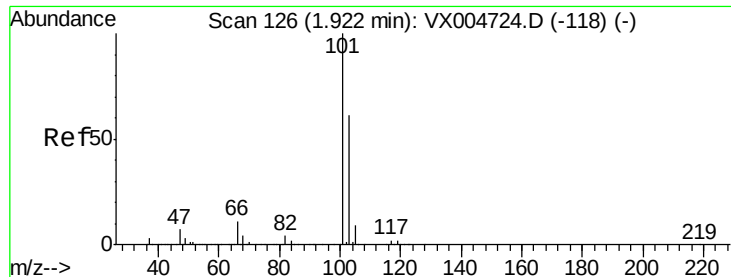
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0

1.50 1.60 1.70 1.80

Time-->





#7

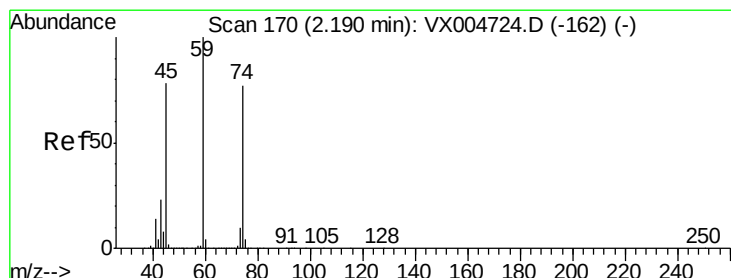
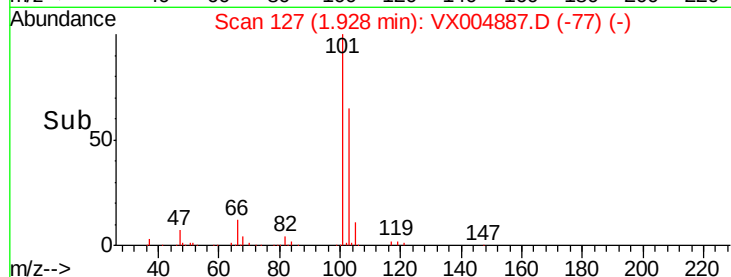
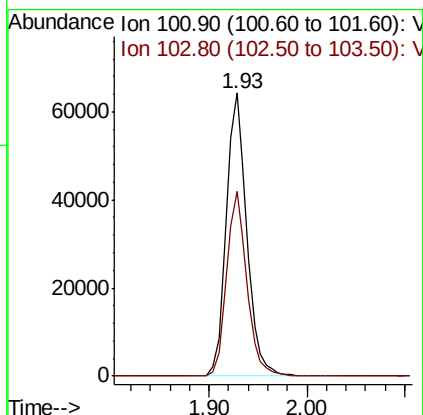
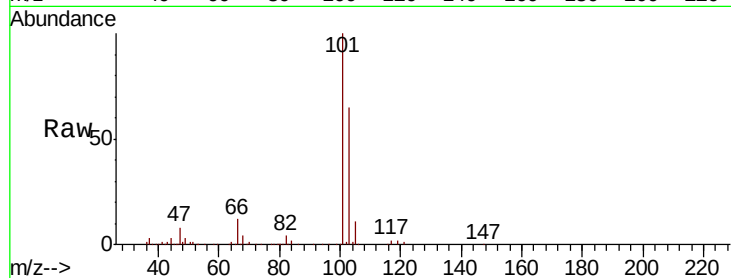
Trichlorofluoromethane
Concen: 22.039 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
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ClientSampleId :
VX1001WBS02

Tot Ion:101 Resp: 93153
Ion Ratio Lower Upper
101 100
103 65.3 48.9 73.3

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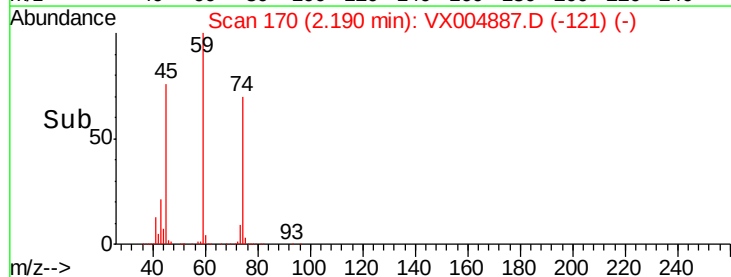
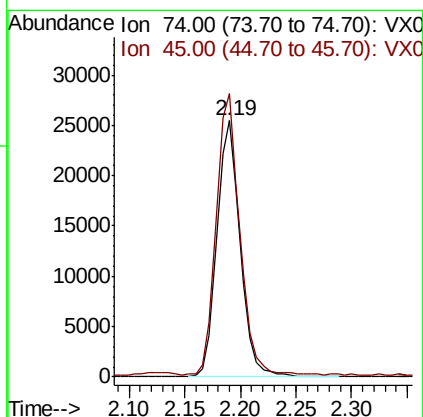
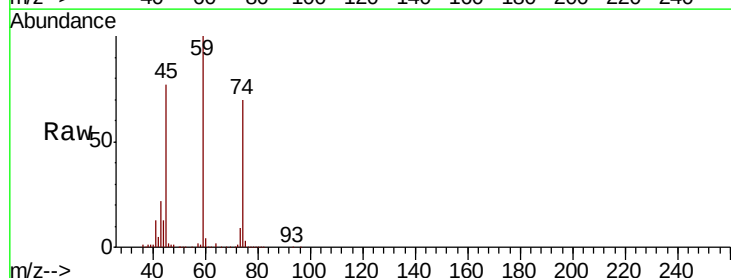
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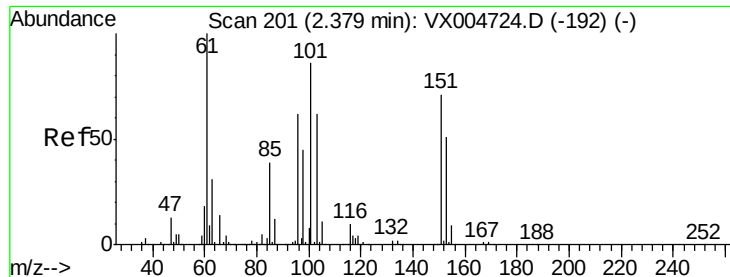


#8

Diethyl Ether
Concen: 20.072 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion: 74 Resp: 36857
Ion Ratio Lower Upper
74 100
45 109.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.339 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

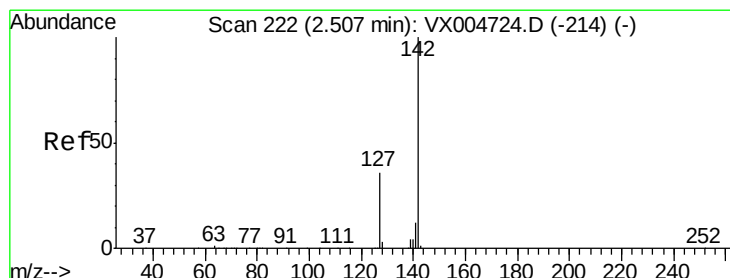
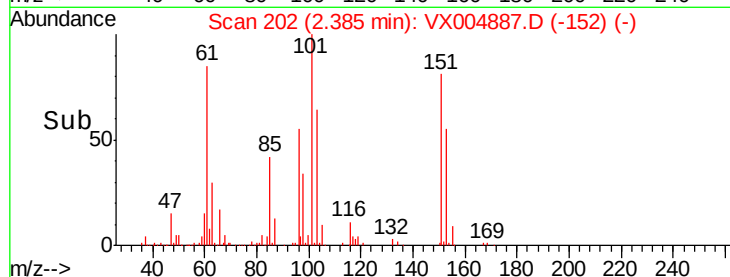
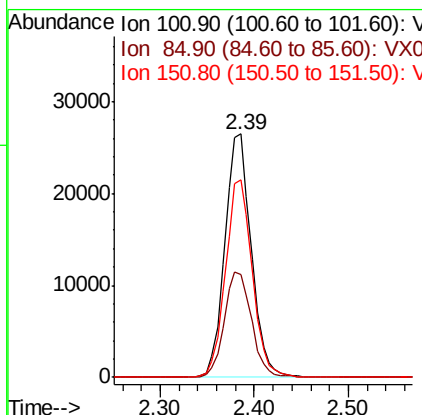
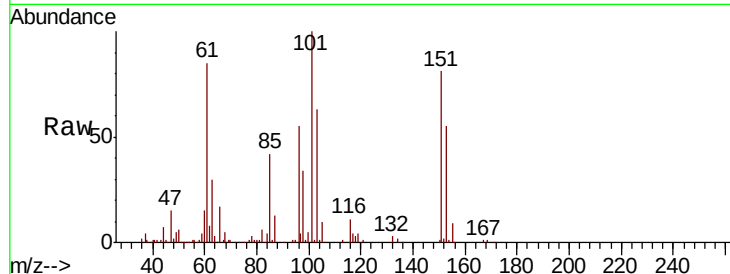
ClientSampleId :

VX1001WBS02

Tot Ion:	101	Resp:	51378
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.2	51.4
151	82.4	65.0	97.6

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#10

Methyl Iodide

Concen: 12.885 ug/l

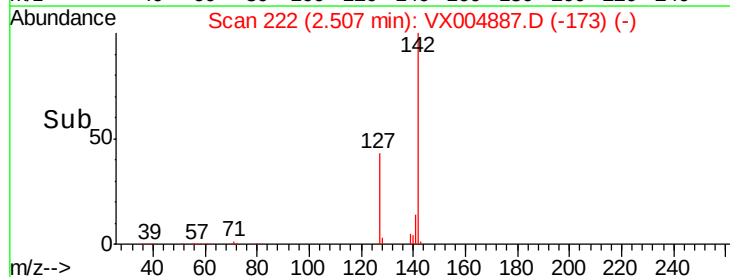
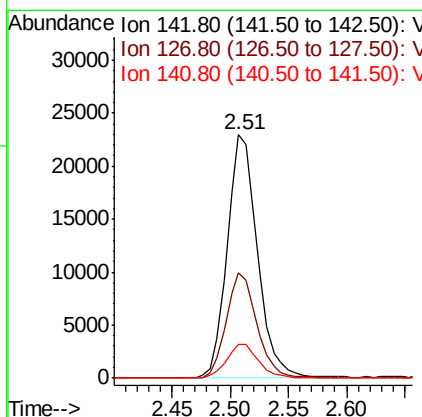
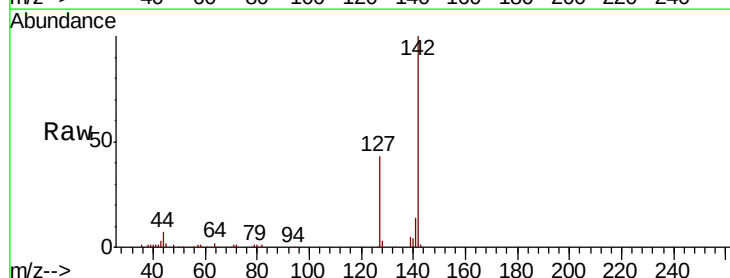
RT: 2.51 min Scan# 222

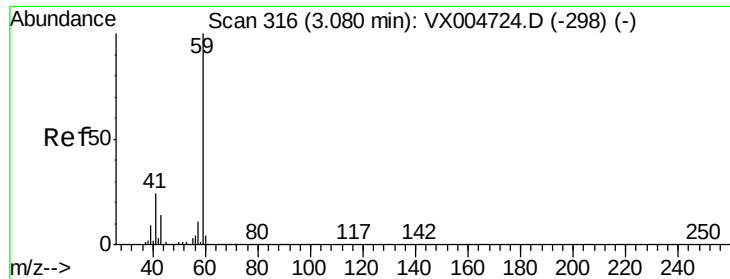
Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Tgt Ion:	142	Resp:	41514
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.6
141	14.6	11.4	17.0





#11

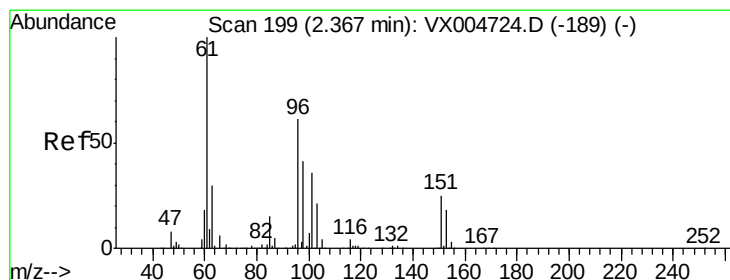
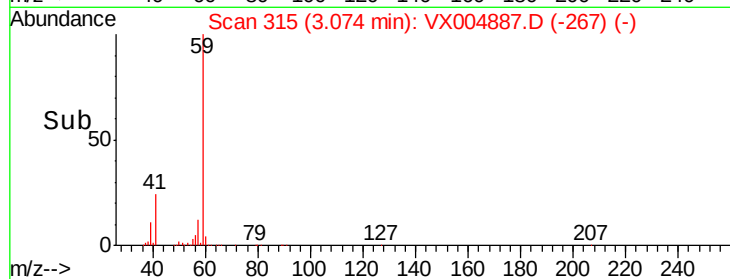
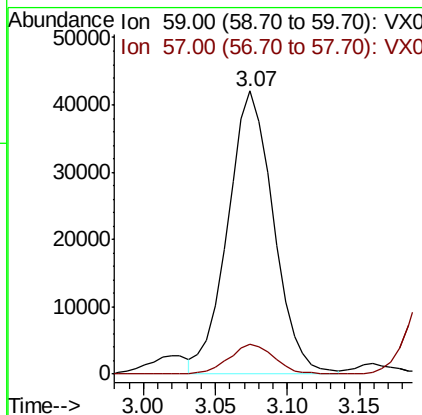
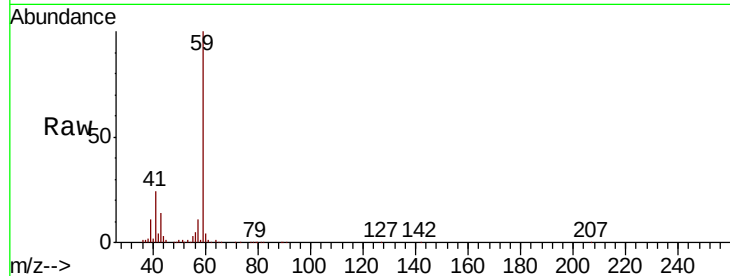
Tert butyl alcohol
Concen: 105.817 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
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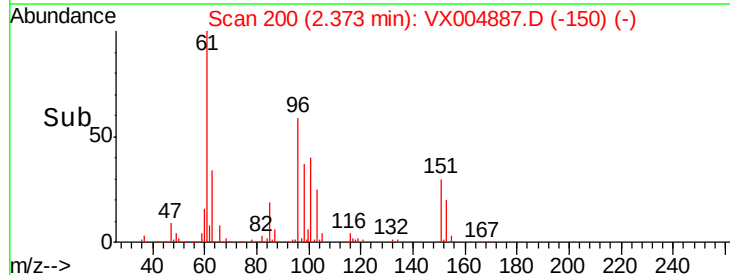
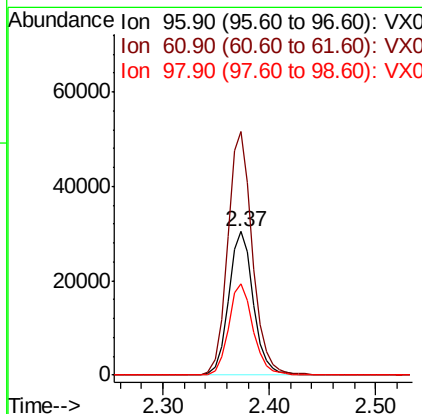
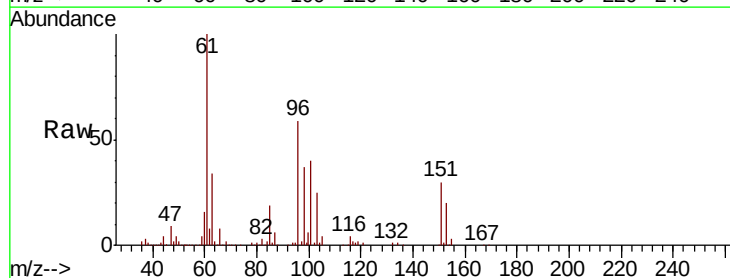
MMDadoda
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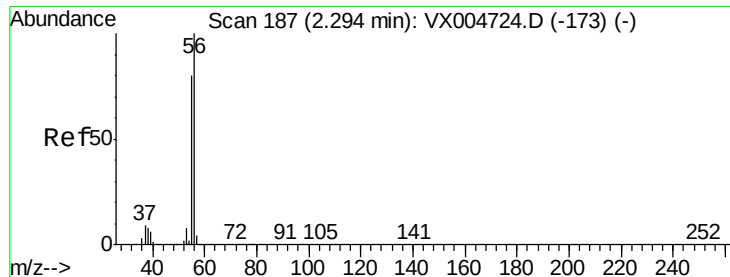


#12

1,1-Dichloroethene
Concen: 20.804 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.5	128.8	193.2
98	63.4	52.2	78.2





#13

Acrolein

Concen: 61.843 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion: 56 Resp: 38676

Ion Ratio Lower Upper

56 100

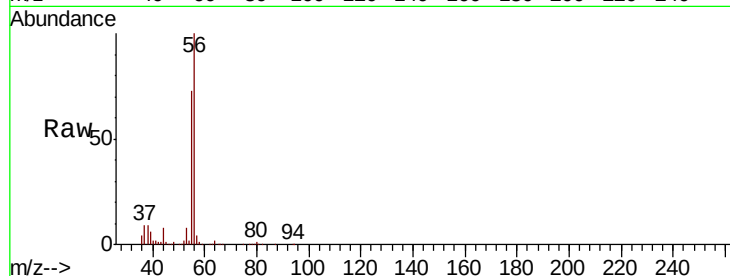
55 72.1 54.7 82.1

Manual Integrations

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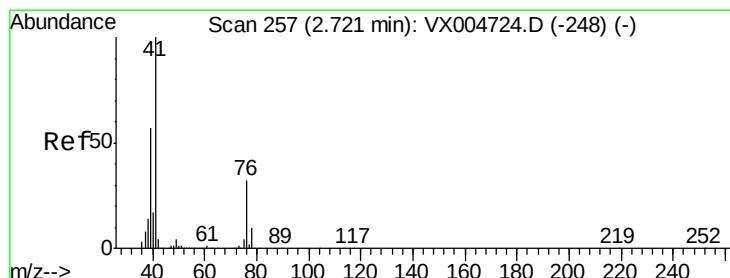
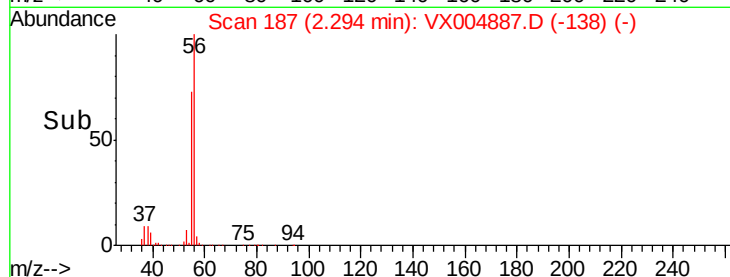
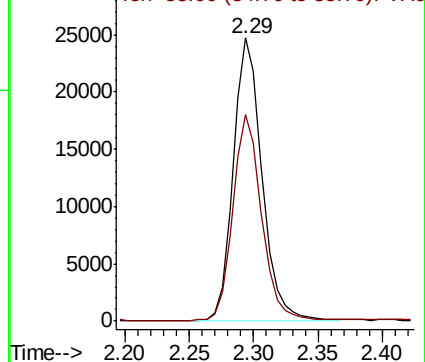
MMDadoda

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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: 20.998 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

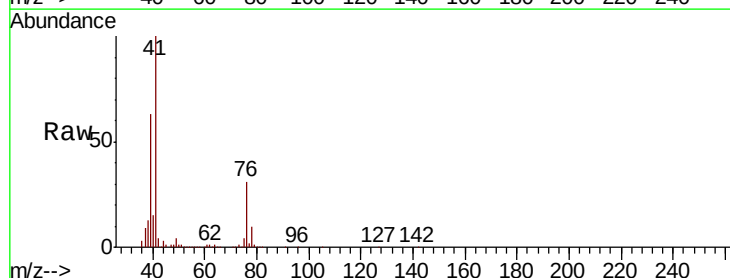
Tgt Ion: 41 Resp: 109246

Ion Ratio Lower Upper

41 100

39 58.0 48.9 73.3

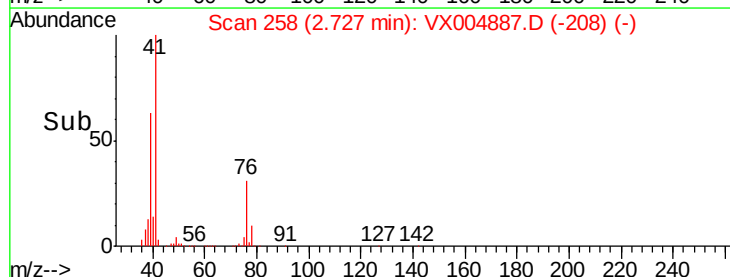
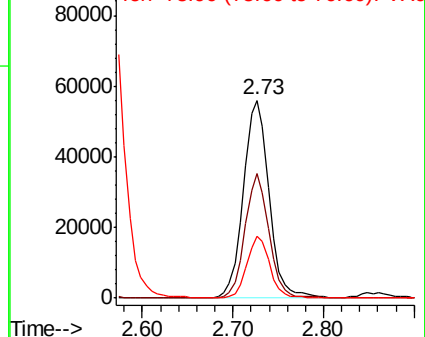
76 27.8 26.7 40.1

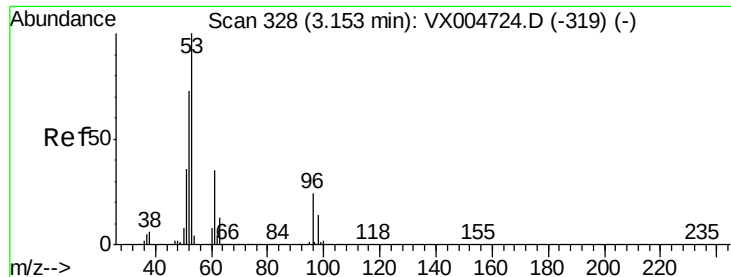


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 106.397 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

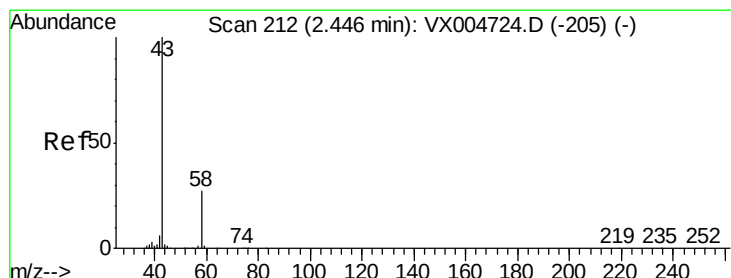
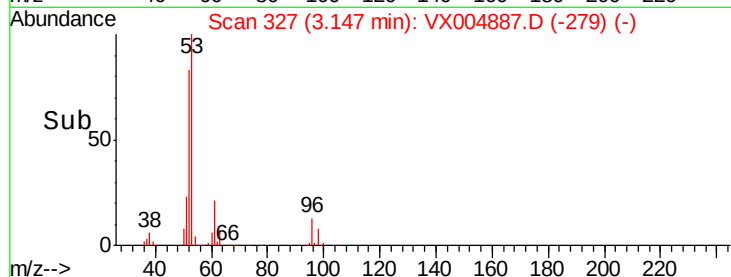
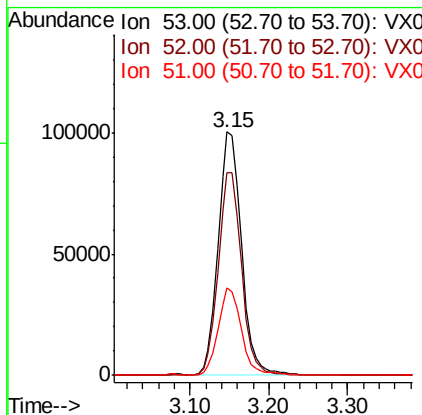
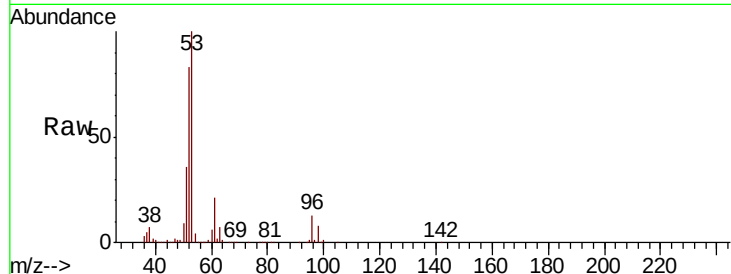
ClientSampleId :

VX1001WBS02

Tot Ion:	53	Resp:	205874
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.2	97.8
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 100.590 ug/l

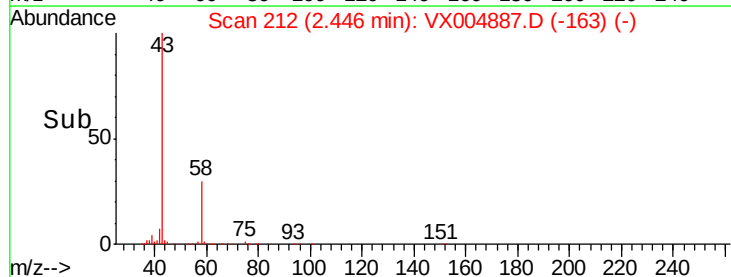
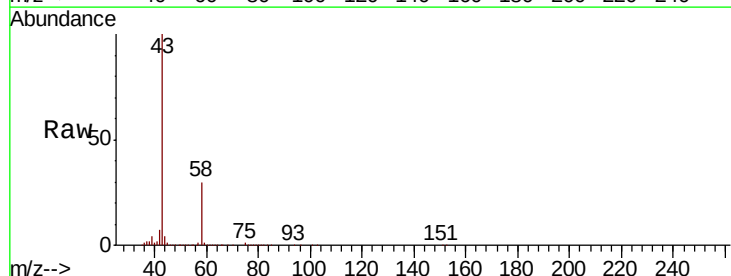
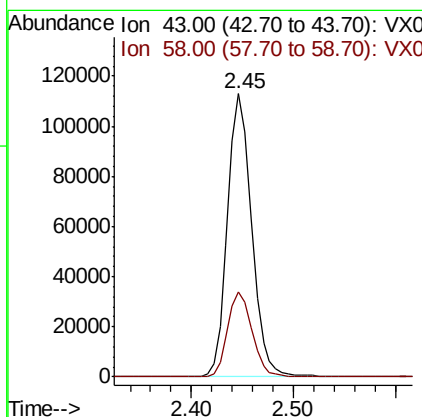
RT: 2.45 min Scan# 212

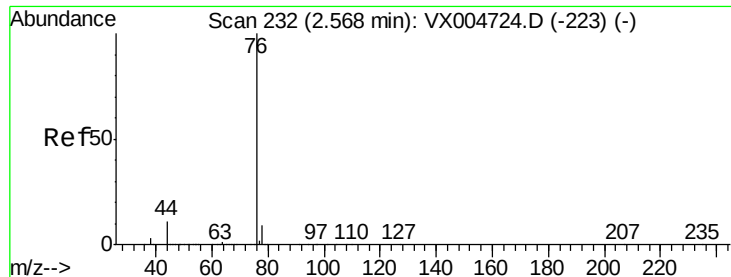
Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Tgt Ion:	43	Resp:	184611
Ion	Ratio	Lower	Upper
43	100		
58	29.9	26.2	39.4





#17

Carbon Disulfide

Concen: 19.351 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion: 76 Resp: 138649

Ion Ratio Lower Upper

76 100

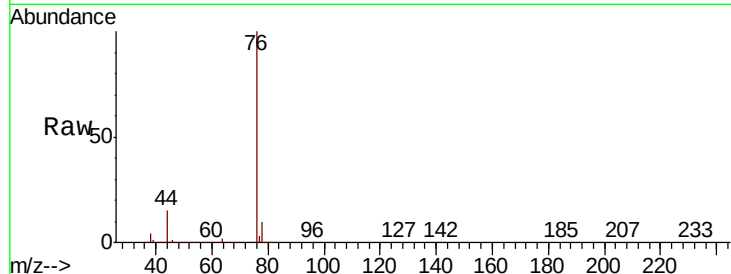
78 9.4 7.0 10.6

Manual Integrations

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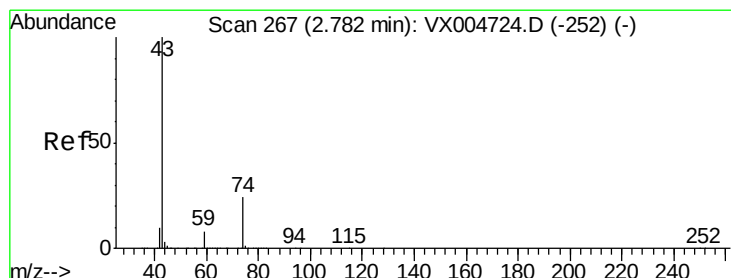
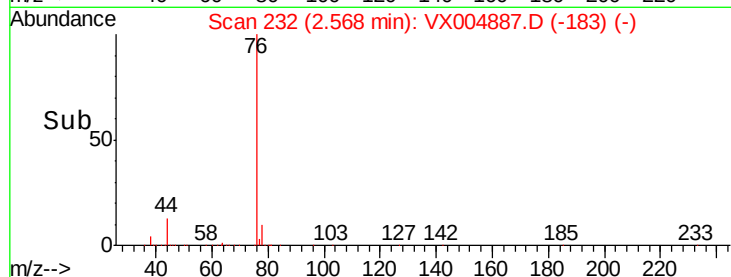
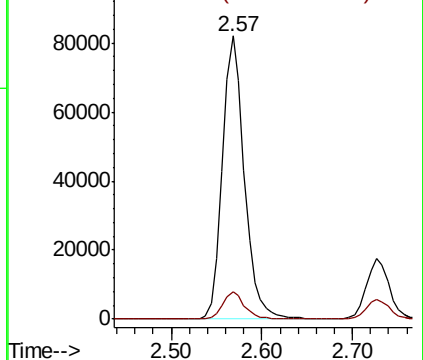
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.402 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX004887.D

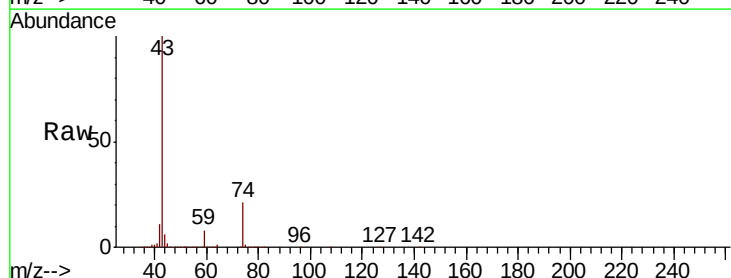
Acq: 01 Oct 2018 23:30

Tgt Ion: 43 Resp: 108816

Ion Ratio Lower Upper

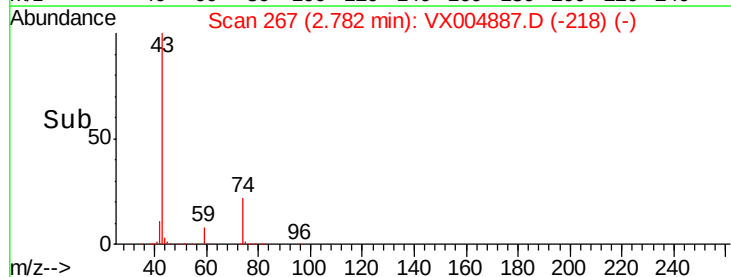
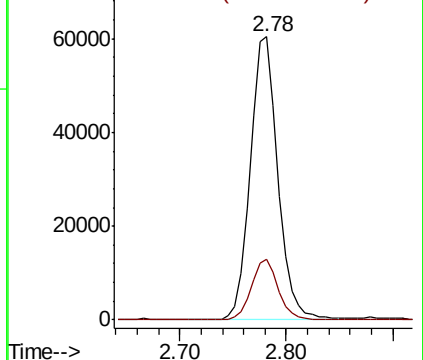
43 100

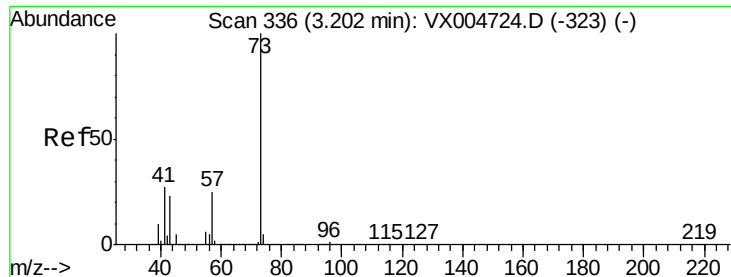
74 21.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





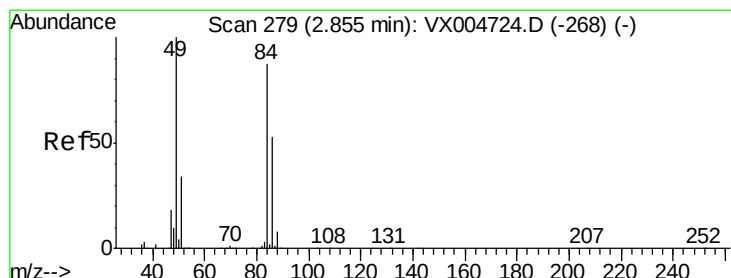
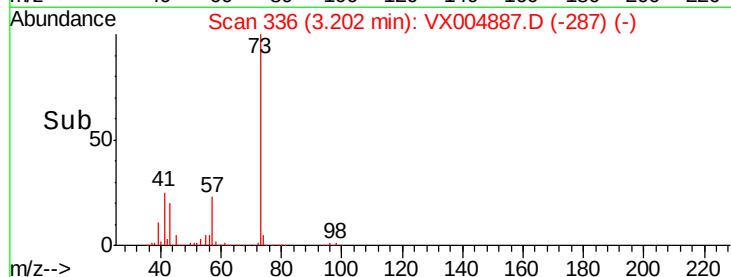
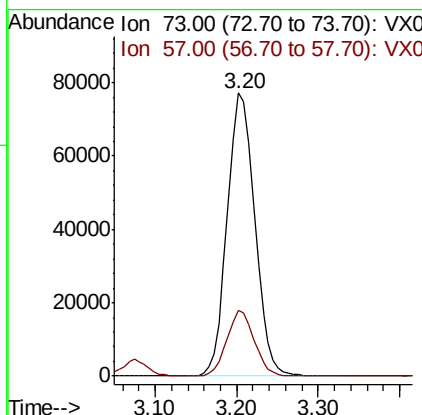
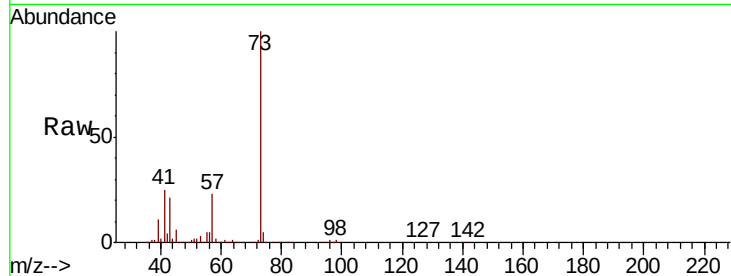
#19
Methyl tert-butyl Ether
Concen: 22.033 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.1	25.7

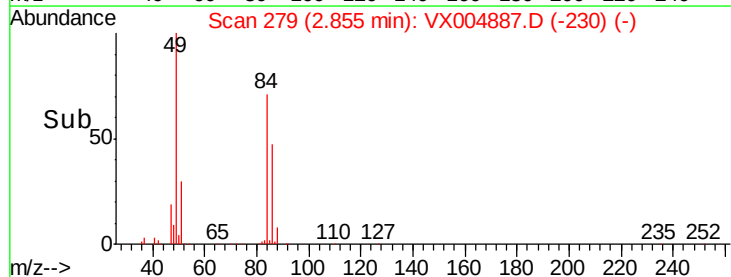
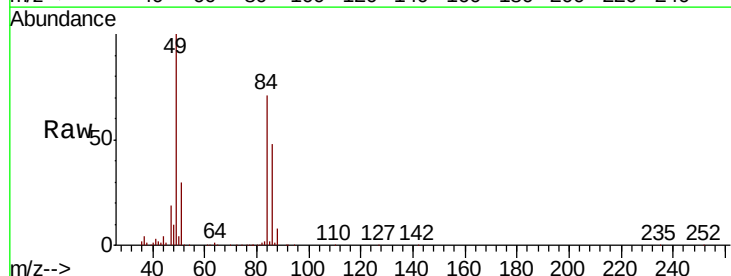
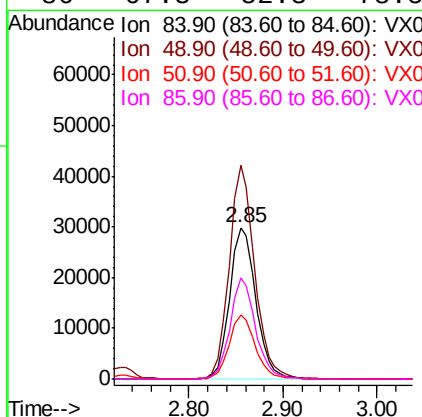
Manual Integrations
APPROVED

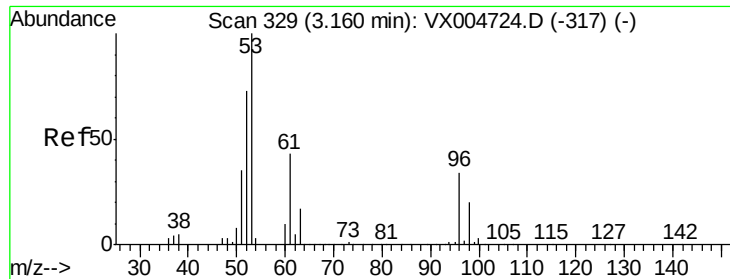
MMDadoda
10/4/2018 7:07:54 PM



#20
Methylene Chloride
Concen: 21.231 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.3	101.2	151.8
51	42.8	29.5	44.3
86	67.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 20.167 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

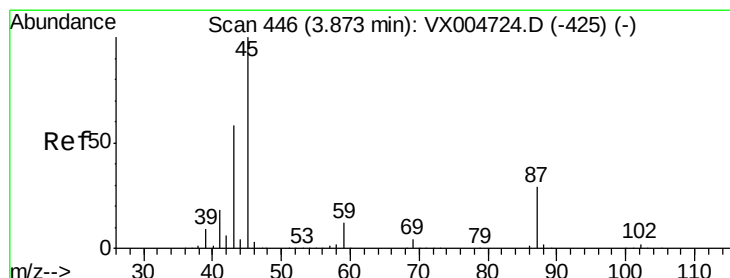
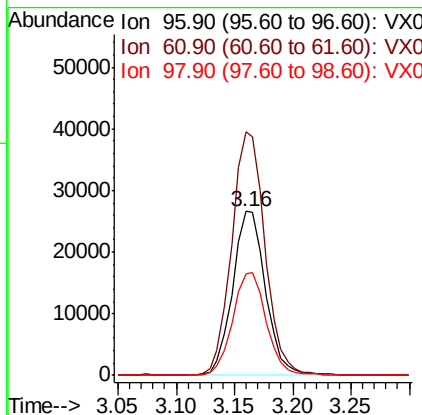
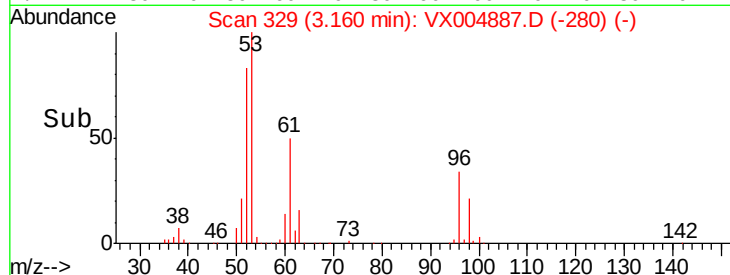
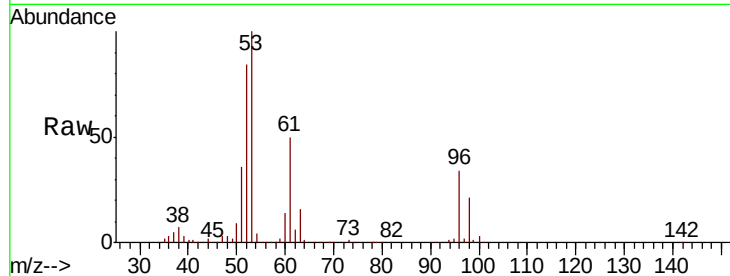
ClientSampleId :

VX1001WBS02

Tot Ion:	96	Resp:	52639
Ion	Ratio	Lower	Upper
96	100		
61	148.2	113.8	170.6
98	62.2	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.034 ug/l

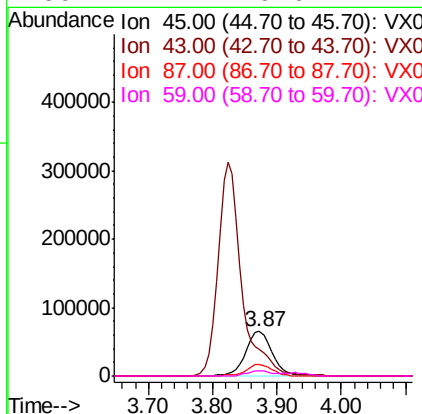
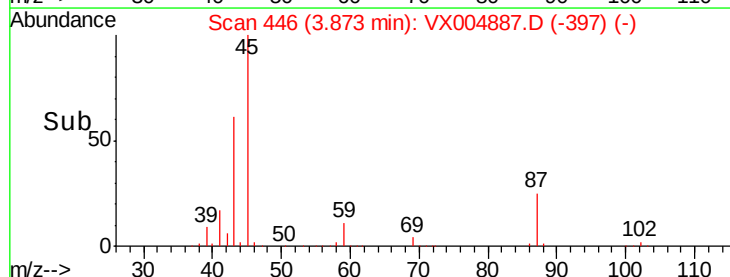
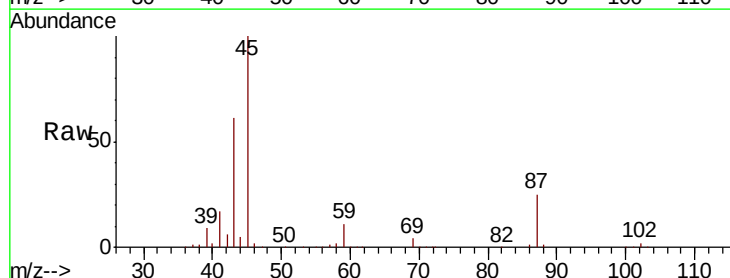
RT: 3.87 min Scan# 446

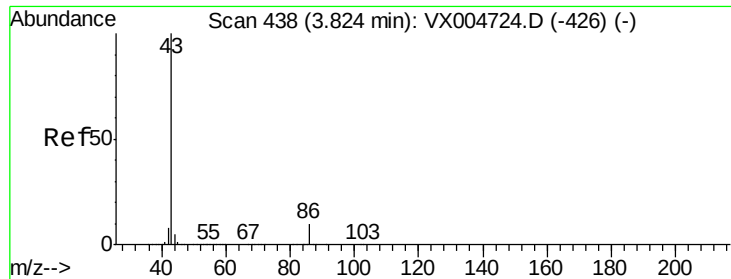
Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Tgt Ion:	45	Resp:	184271
Ion	Ratio	Lower	Upper
45	100		
43	60.8	42.8	64.2
87	25.4	22.6	34.0
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 100.327 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion: 43 Resp: 804546

Ion Ratio Lower Upper

43 100

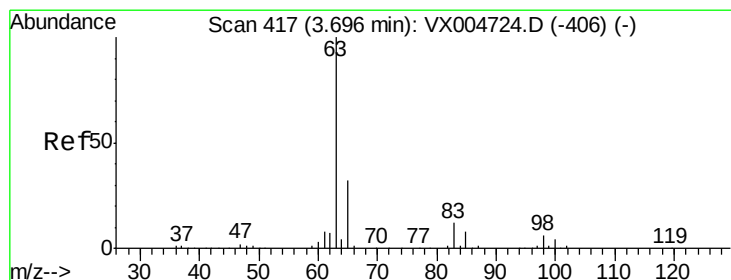
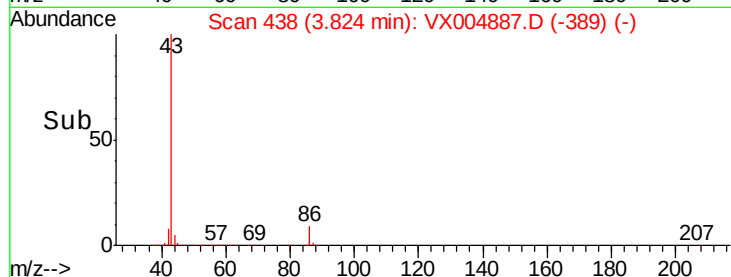
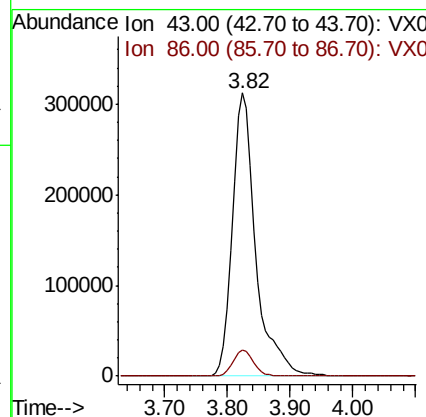
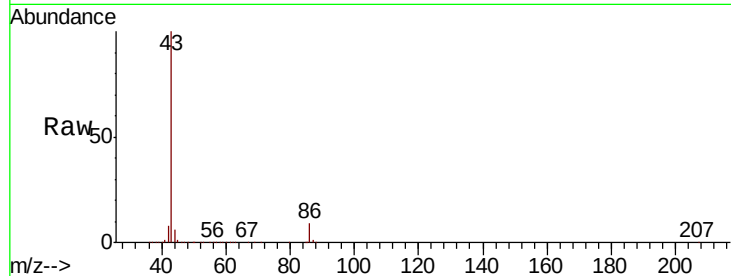
86 9.3 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.435 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

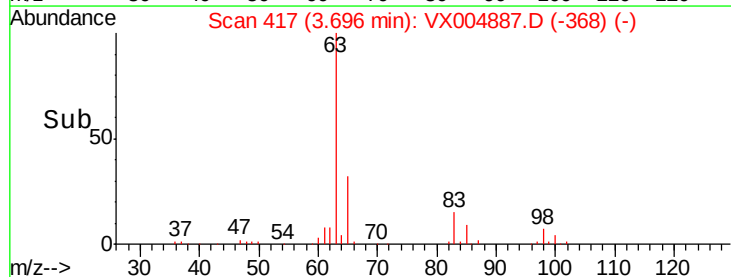
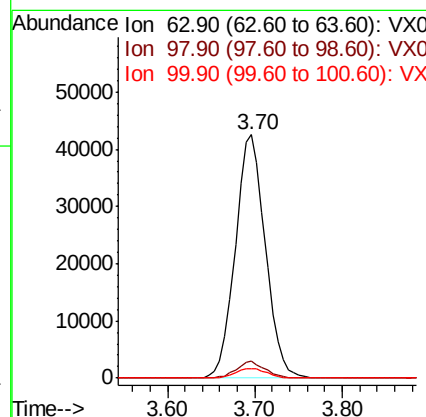
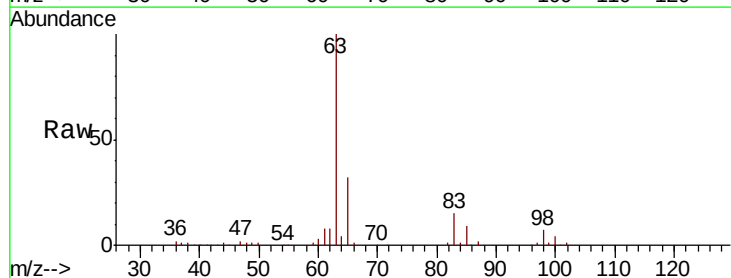
Tgt Ion: 63 Resp: 101564

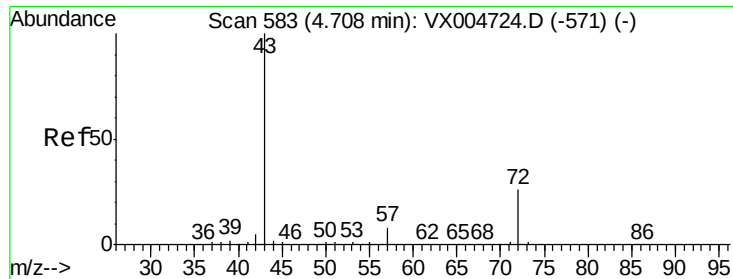
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 100.907 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion: 43 Resp: 272980

Ion Ratio Lower Upper

43 100

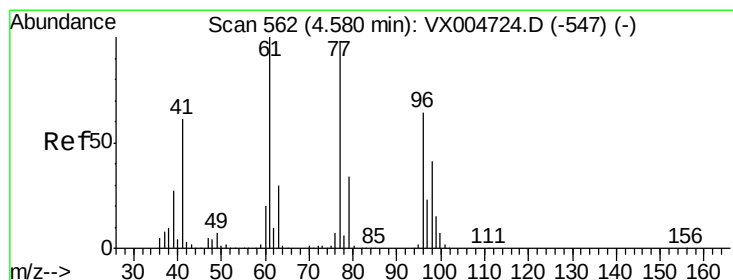
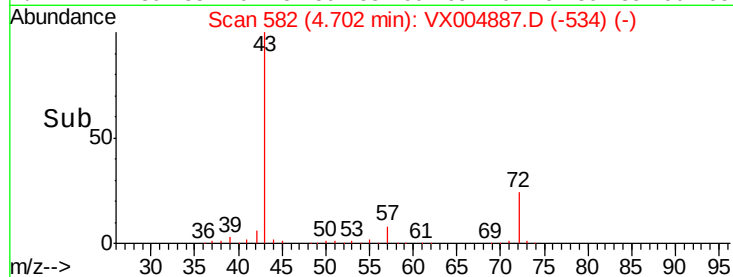
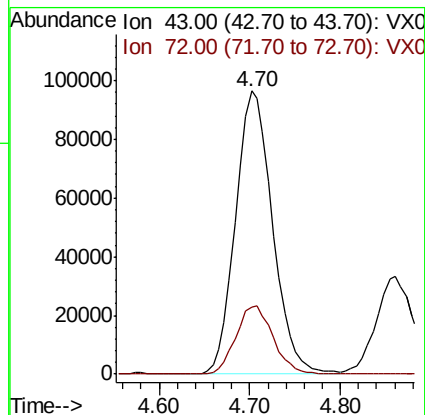
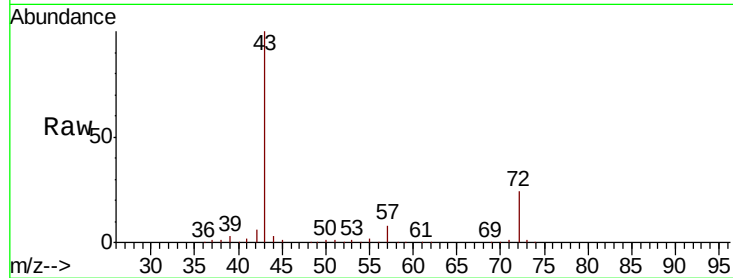
72 23.6 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.045 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004887.D

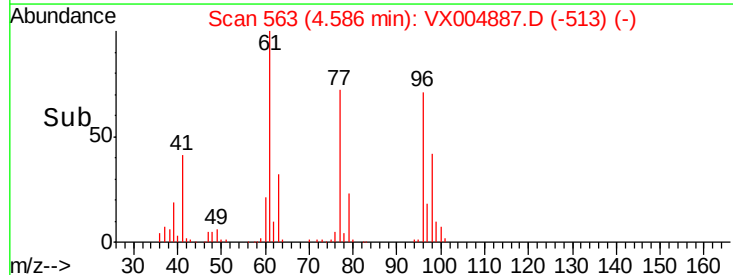
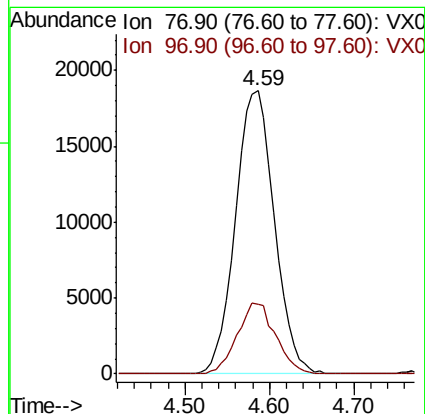
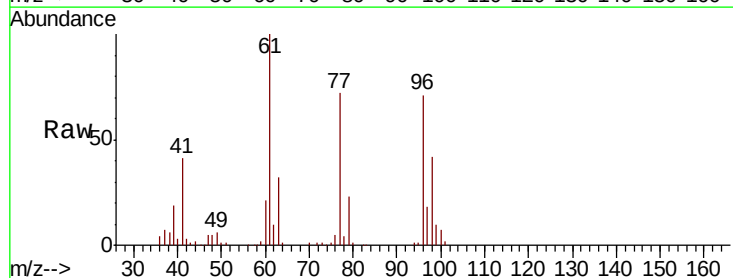
Acq: 01 Oct 2018 23:30

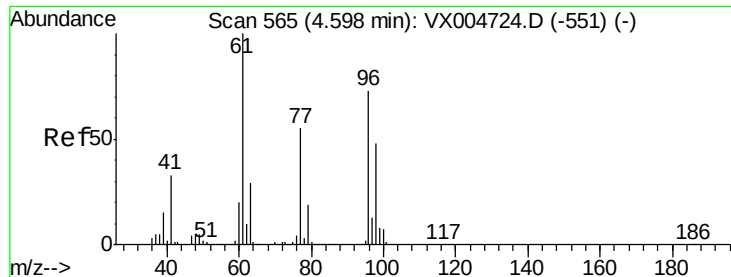
Tgt Ion: 77 Resp: 58390

Ion Ratio Lower Upper

77 100

97 24.8 11.7 35.0





#27

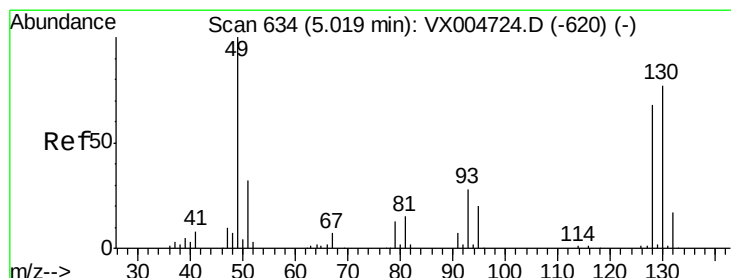
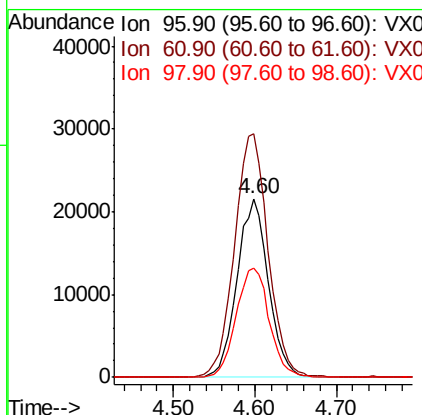
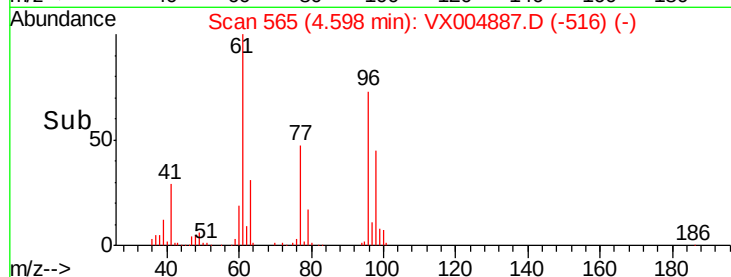
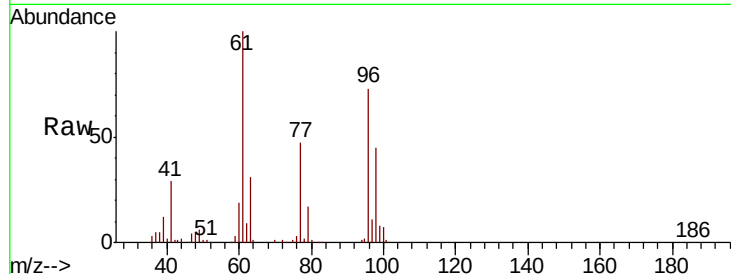
cis-1,2-Dichloroethene
 Concen: 19.684 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	282.6
98	64.5	0.0	130.2

Manual Integrations
 APPROVED

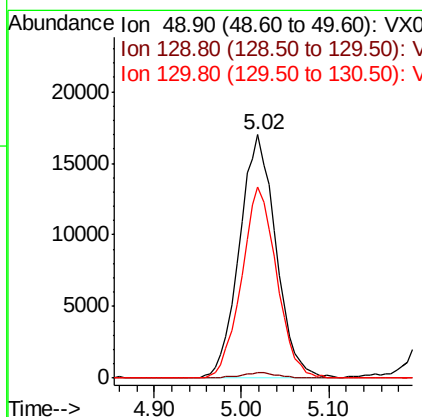
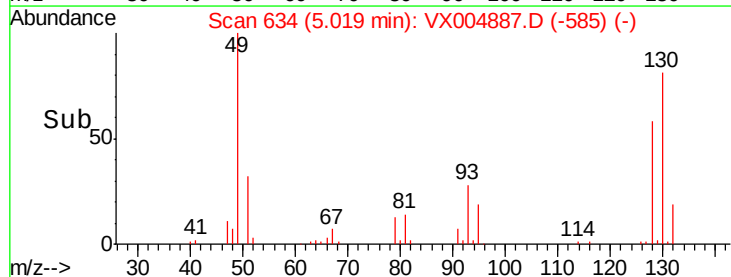
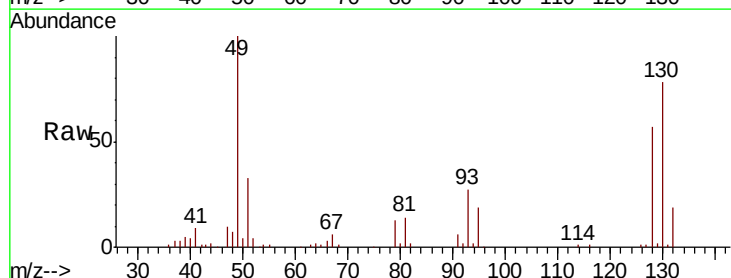
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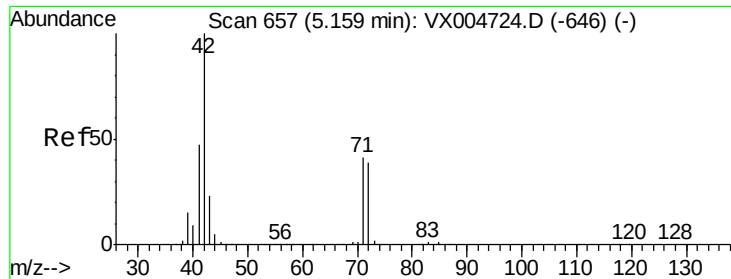


#28

Bromochloromethane
 Concen: 20.104 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	75.3	67.5	101.3





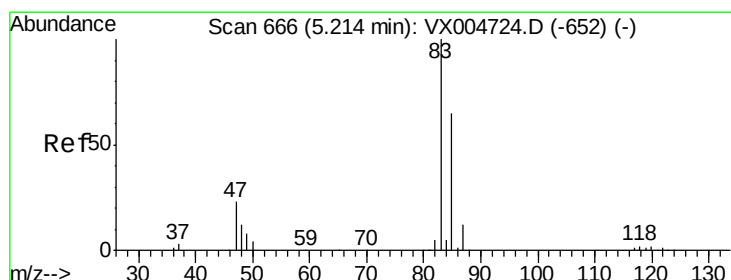
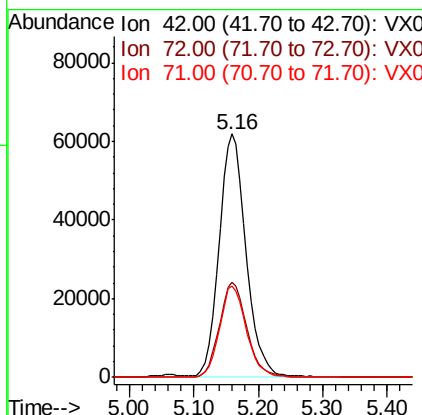
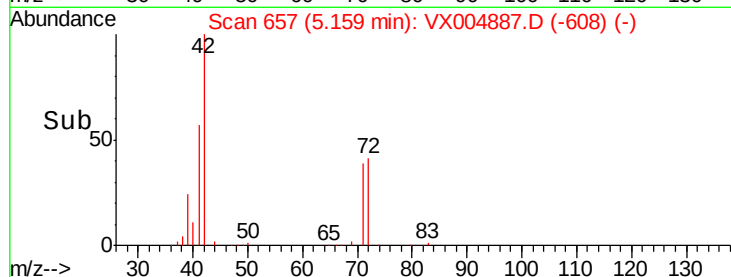
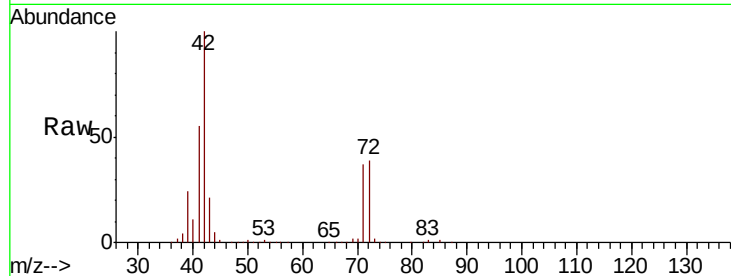
#29
Tetrahydrofuran
Concen: 107.962 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	37.4	56.0
71	37.7	34.5	51.7

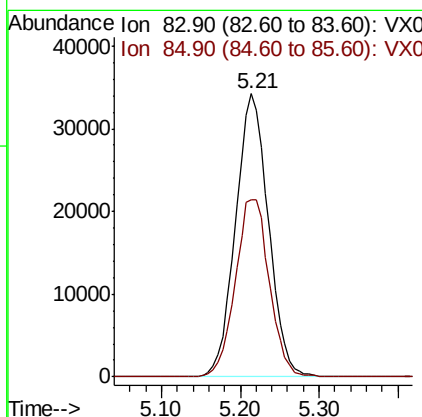
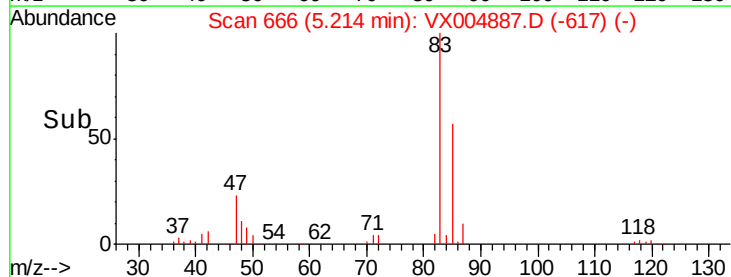
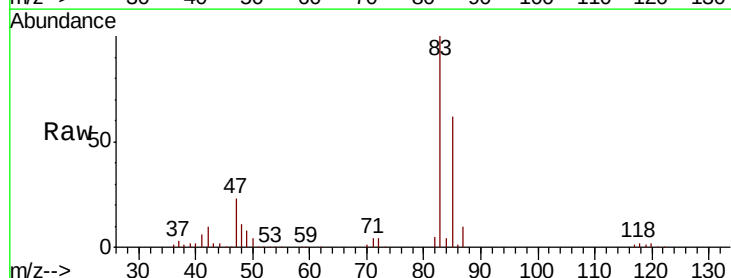
Manual Integrations
APPROVED

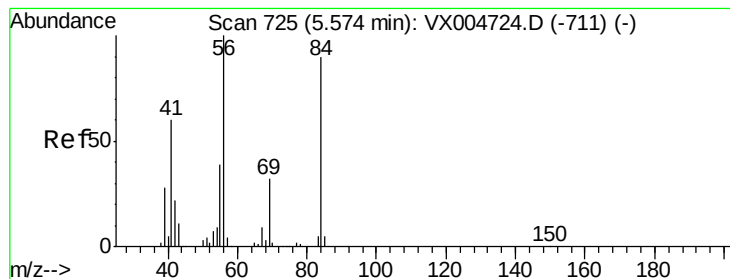
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#30
Chloroform
Concen: 20.090 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.6	79.0





#31

Cyclohexane

Concen: 21.258 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion: 56 Resp: 85026

Ion Ratio Lower Upper

56 100

69 28.3 25.4 38.2

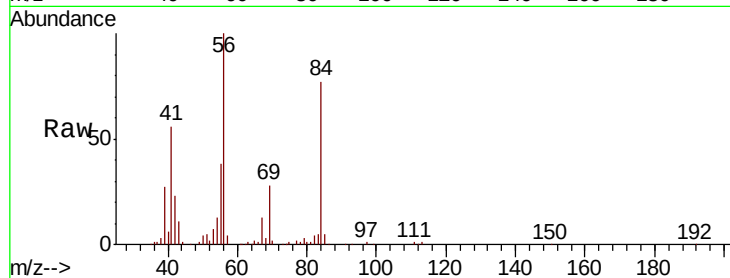
84 76.0 71.4 107.2

Manual Integrations

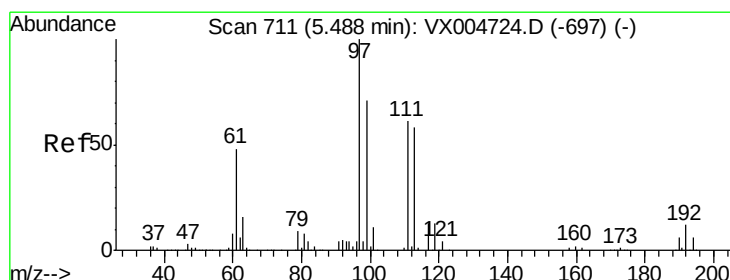
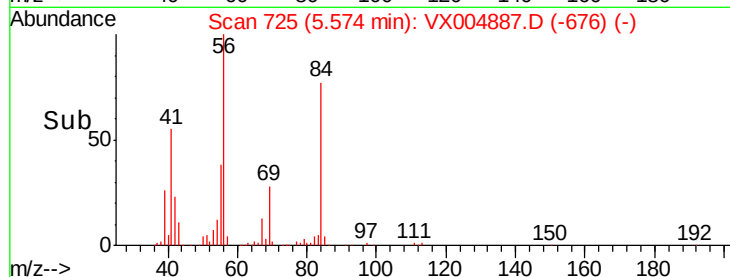
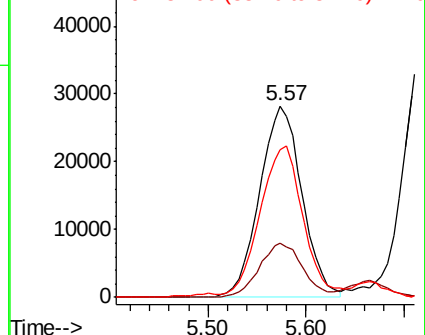
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.565 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

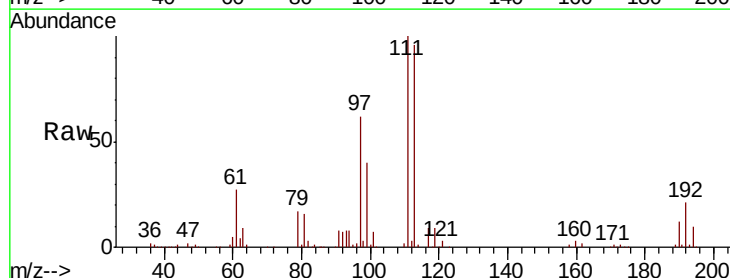
Tgt Ion: 97 Resp: 82951

Ion Ratio Lower Upper

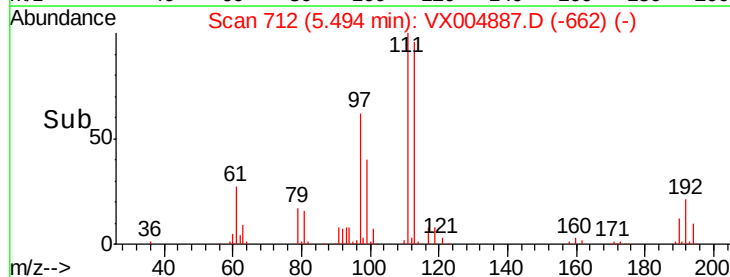
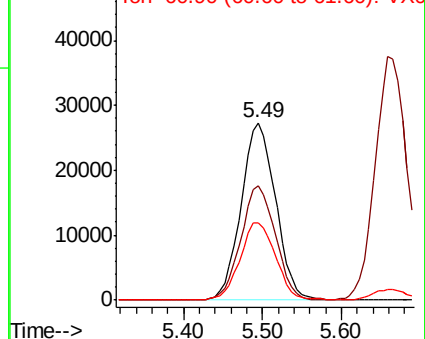
97 100

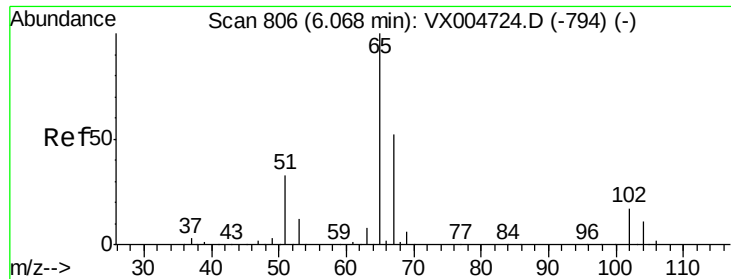
99 64.7 52.0 78.0

61 45.3 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





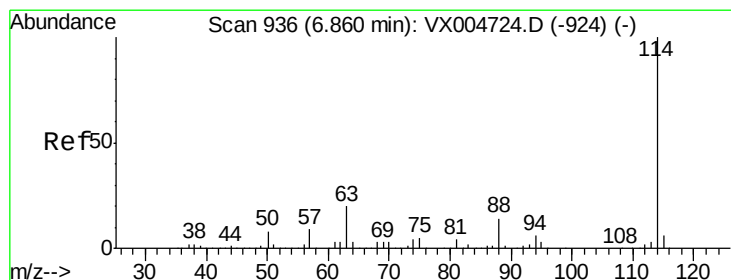
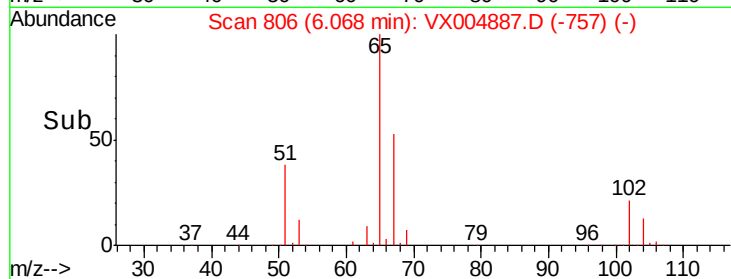
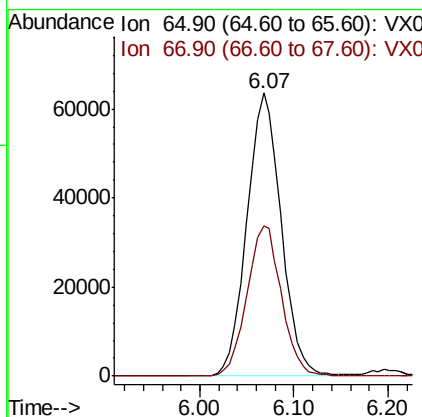
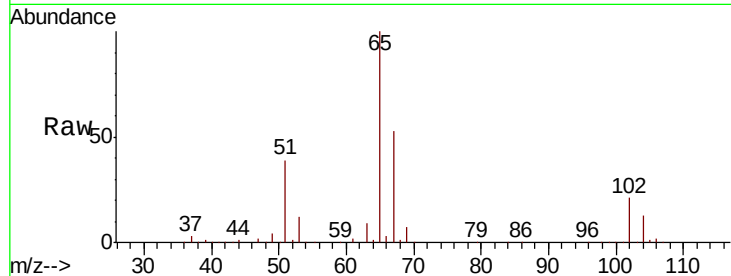
#33
 1,2-Dichloroethane-d4
 Concen: 51.509 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	161923		
67	53.8	0.0	106.8	

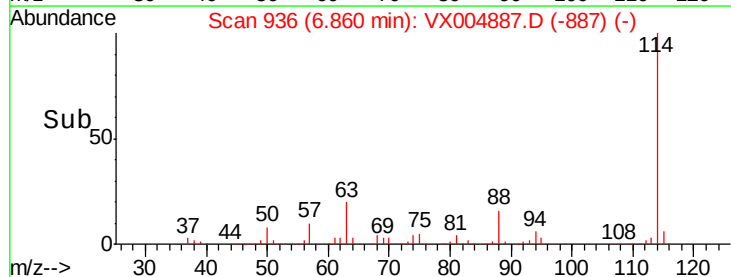
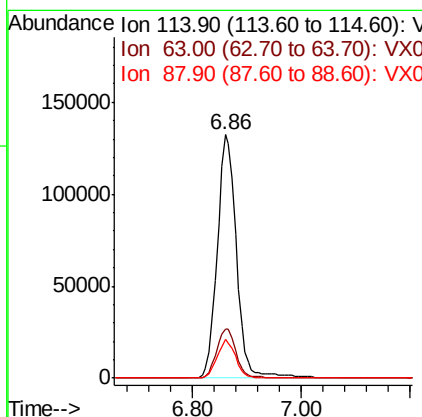
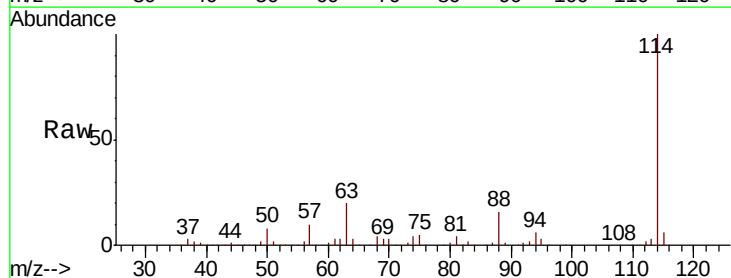
Manual Integrations
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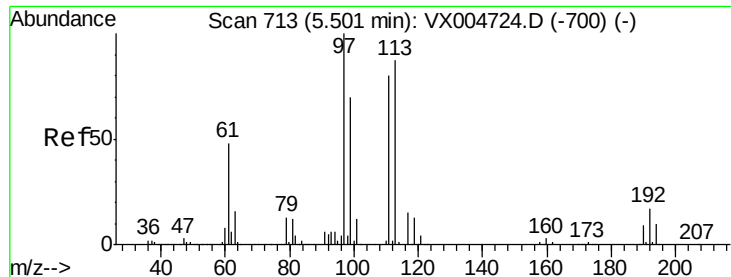
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	324678		
63	20.2	0.0	39.0	
88	15.8	0.0	30.4	





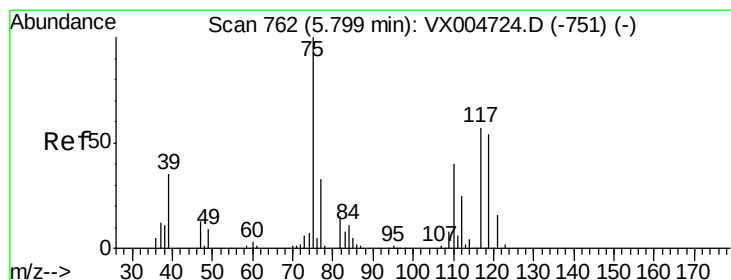
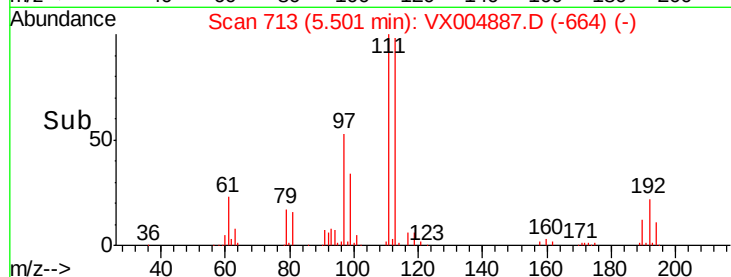
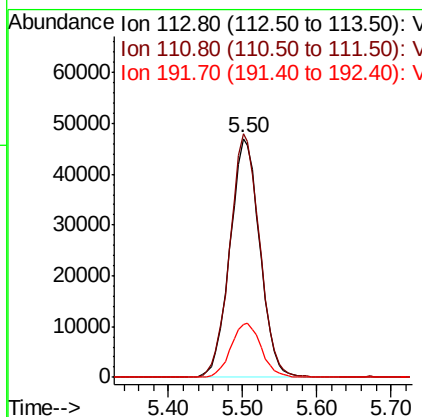
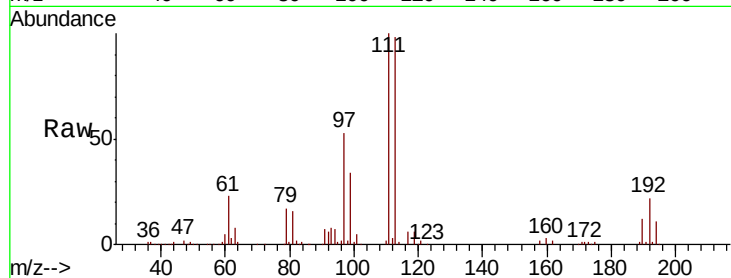
#35
 Dibromofluoromethane
 Concen: 47.964 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	82.4	123.6	
192	22.9	19.4	29.2	

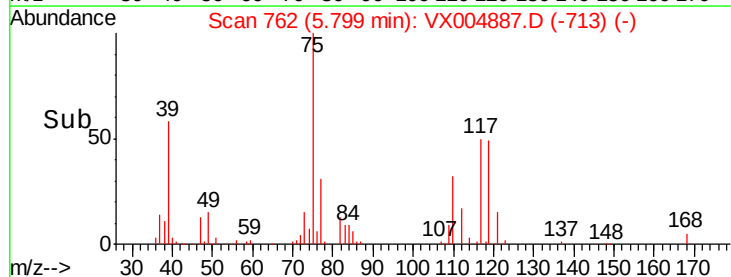
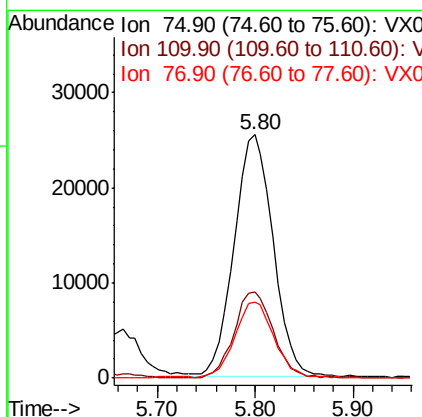
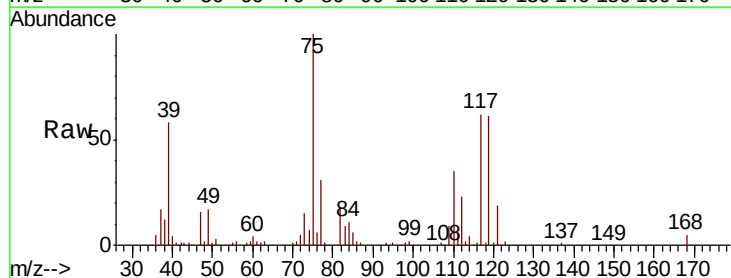
Manual Integrations
 APPROVED

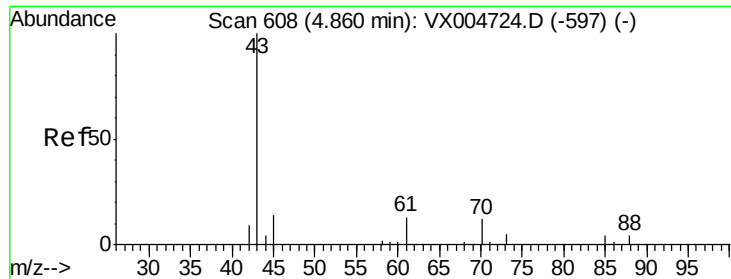
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#36
 1,1-Dichloropropene
 Concen: 18.689 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	18.0	54.0	
77	31.3	24.6	36.8	





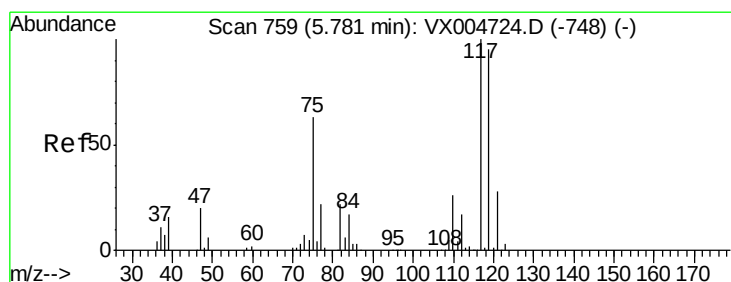
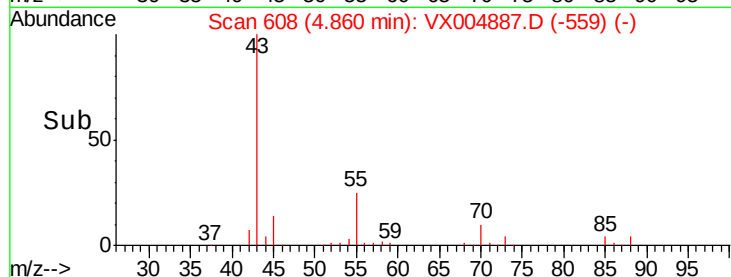
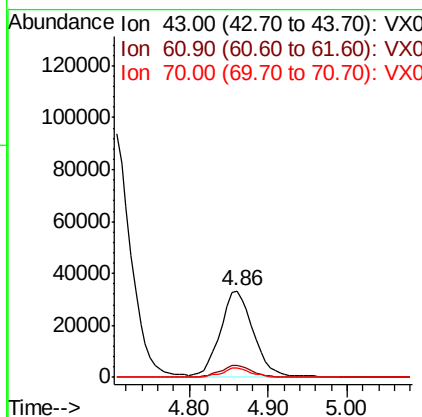
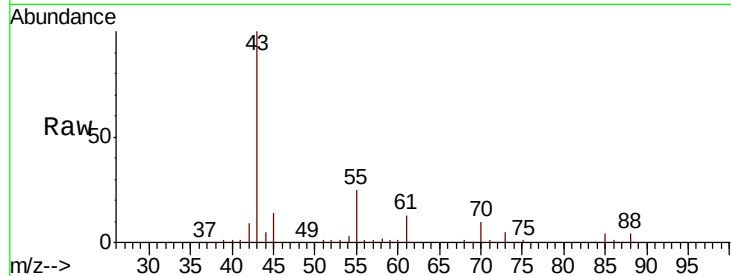
#37
Ethyl Acetate
Concen: 19.358 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	10.0	9.0	13.6

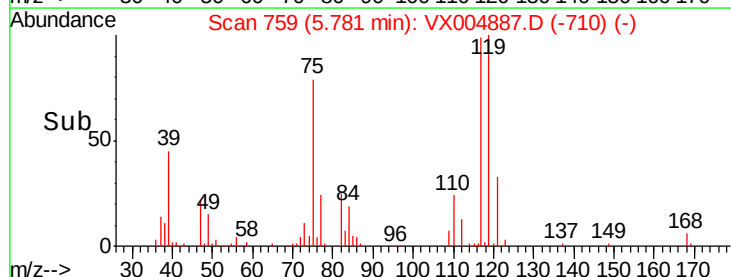
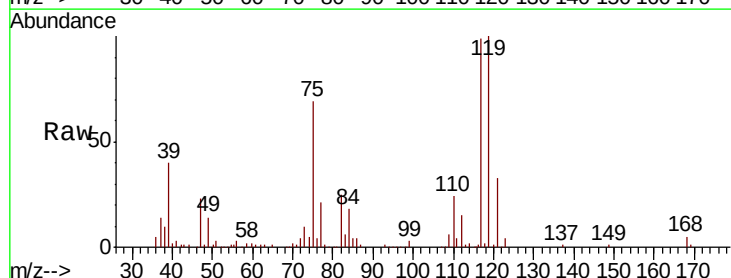
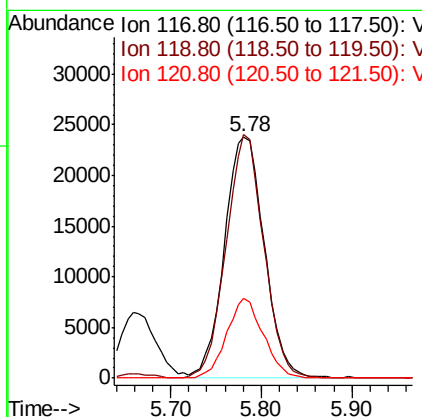
Manual Integrations
APPROVED

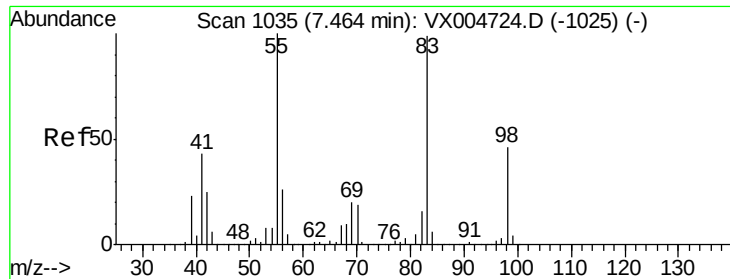
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#38
Carbon Tetrachloride
Concen: 18.389 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	78.8	118.2
121	33.1	24.9	37.3





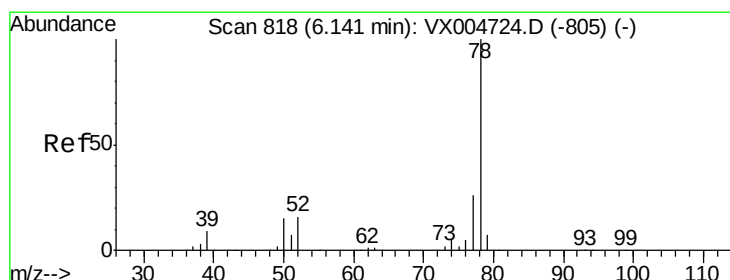
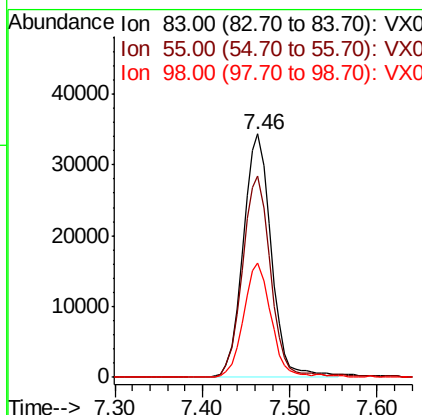
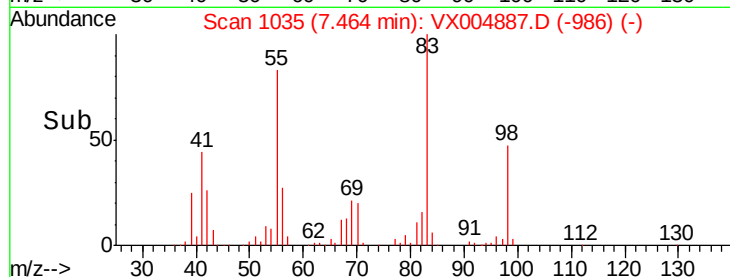
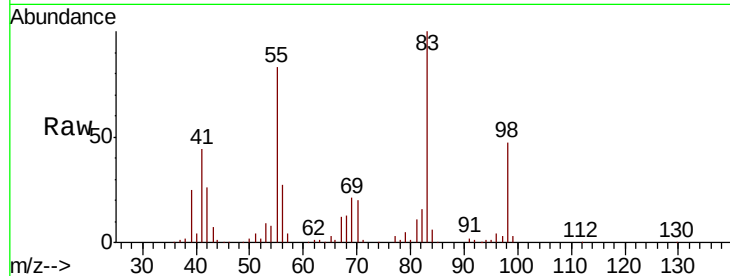
#39
Methylvlcyclohexane
Concen: 20.028 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	61.0	91.4
98	46.9	39.6	59.4

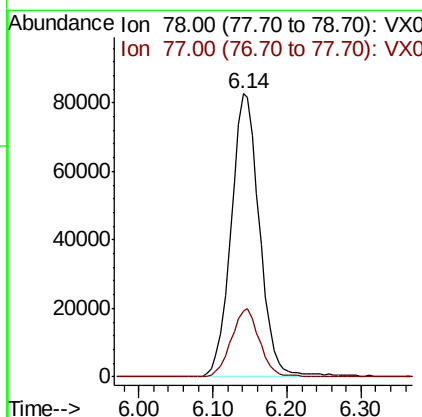
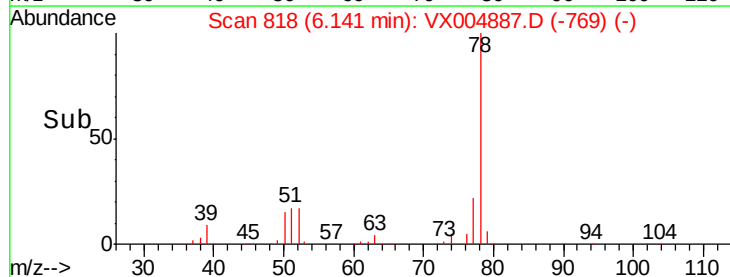
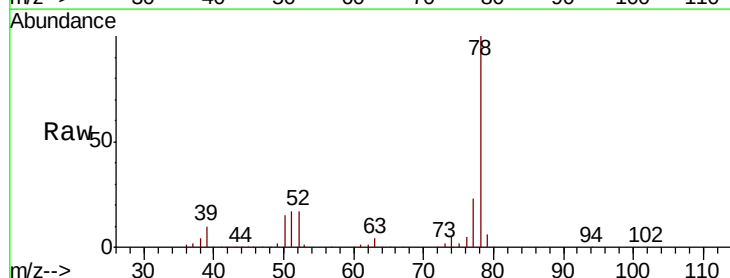
Manual Integrations
APPROVED

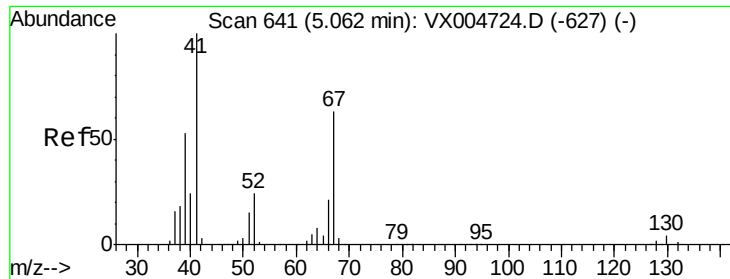
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#40
Benzene
Concen: 18.786 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





#41

Methacrylonitrile

Concen: 19.481 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

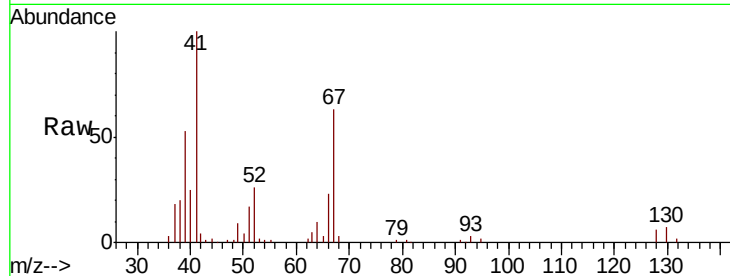
ClientSampleId :

VX1001WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.4	63.6	
67	68.0	59.2	88.8	
52	30.1	23.0	34.4	

Manual Integrations
APPROVED

MMDadoda
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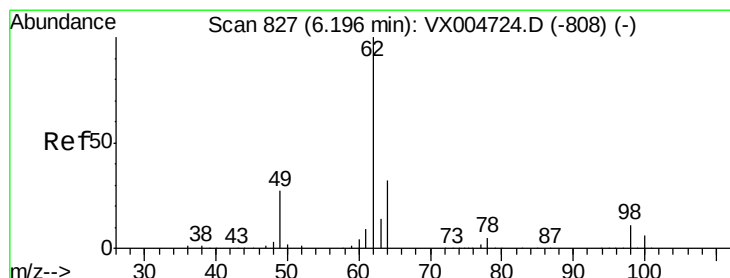
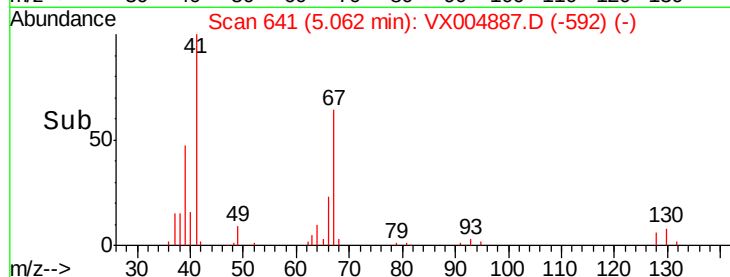
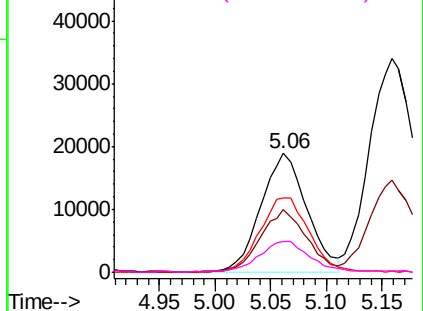
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.227 ug/l

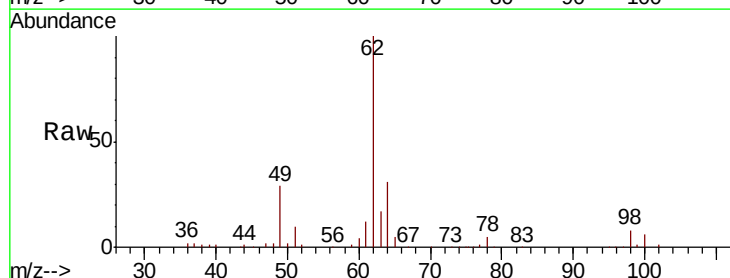
RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

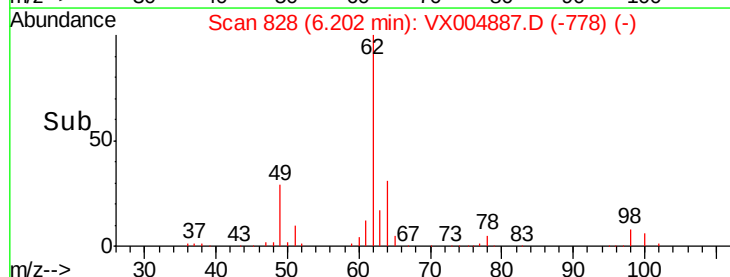
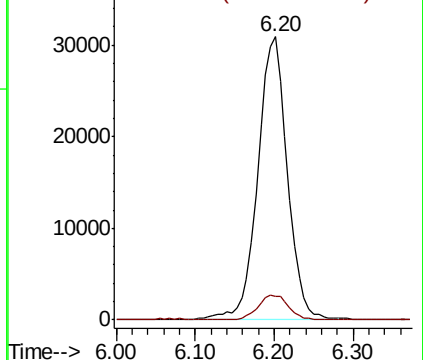
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	20.6	

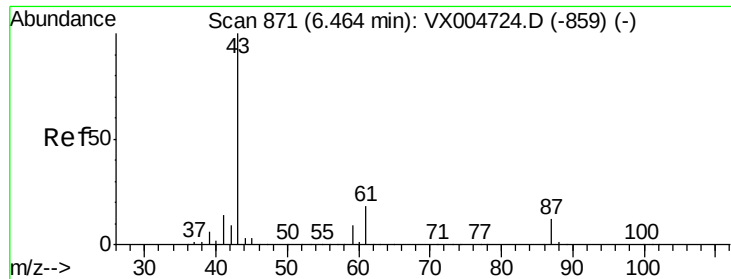


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.398 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

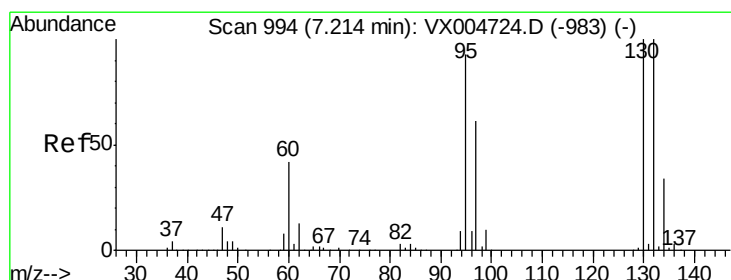
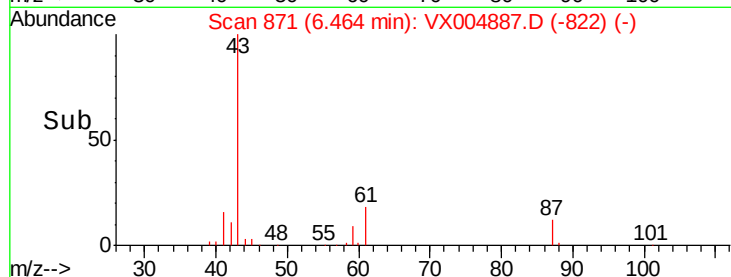
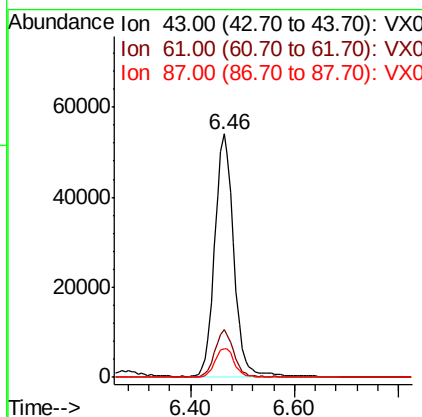
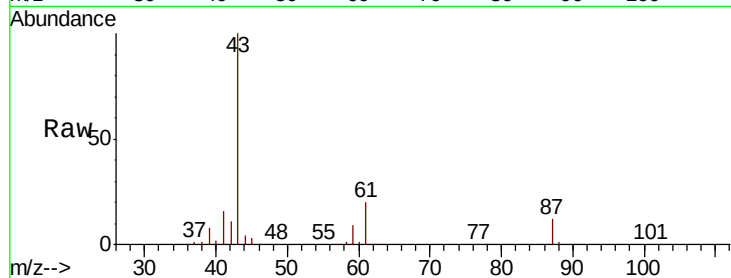
ClientSampleId :

VX1001WBS02

Tot Ion:	43	Resp:	139529
Ion	Ratio	Lower	Upper
43	100		
61	19.0	17.0	25.4
87	12.2	11.4	17.2

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#44

Trichloroethene

Concen: 20.227 ug/l

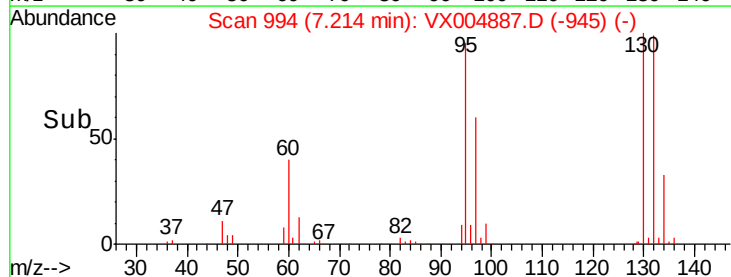
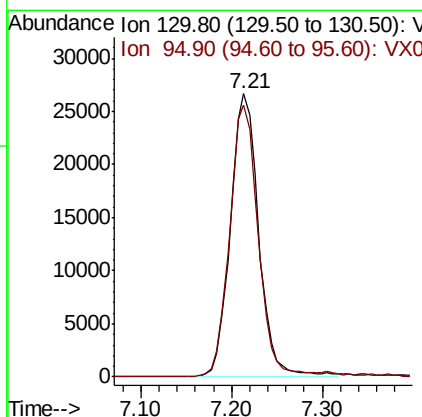
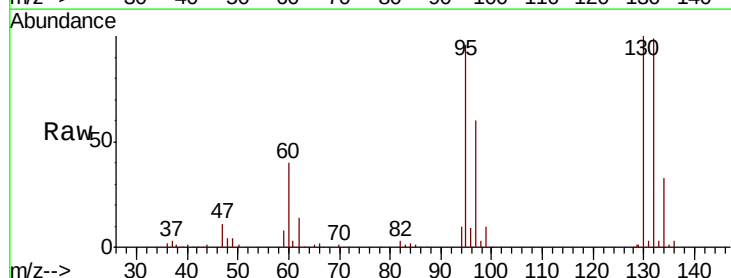
RT: 7.21 min Scan# 994

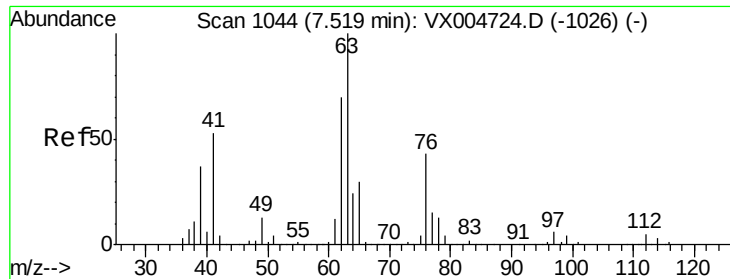
Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Tgt Ion:	130	Resp:	58445
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	181.6





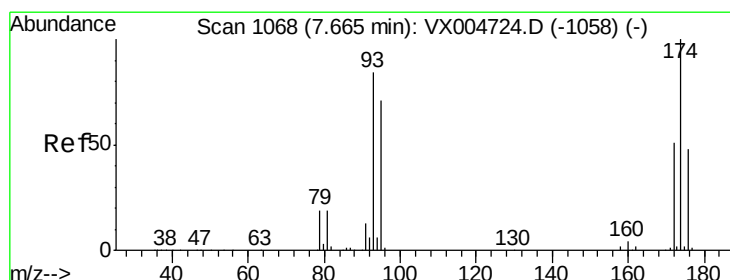
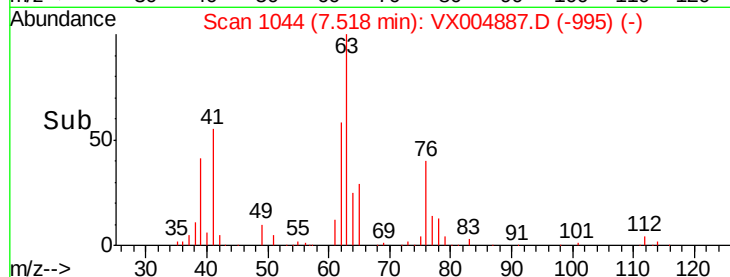
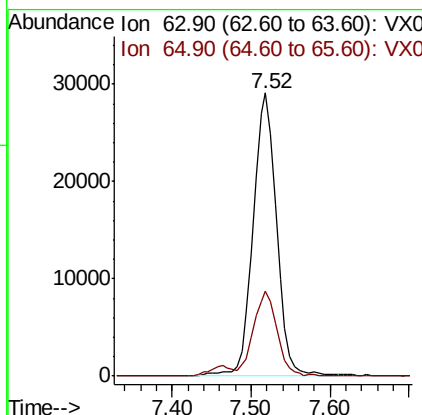
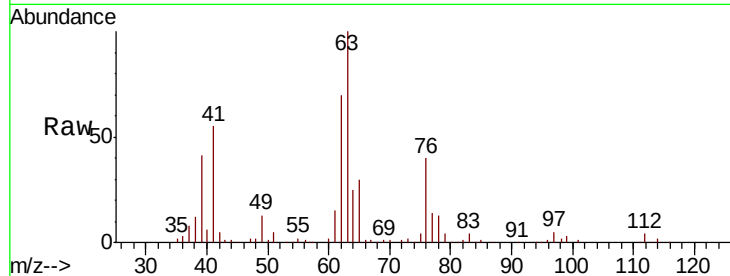
#45
 1,2-Dichloropropane
 Concen: 20.962 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion: 63 Resp: 60421
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.3 36.5

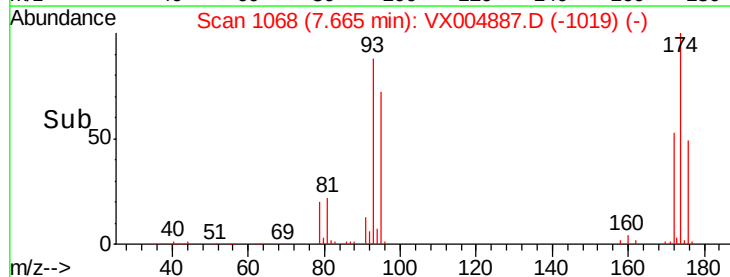
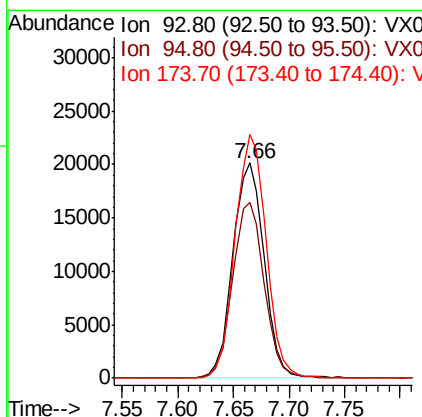
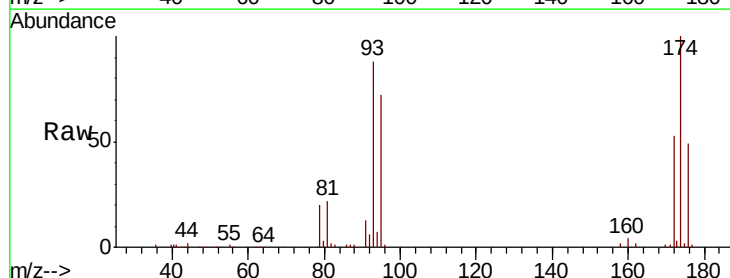
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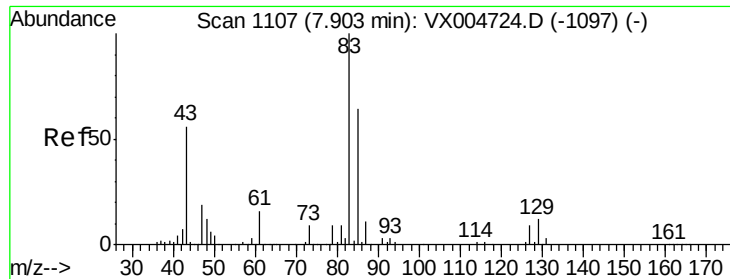
MMDadoda
 10/4/2018 7:07:54 PM



#46
 Dibromomethane
 Concen: 21.631 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion: 93 Resp: 39184
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.5 98.3
 174 112.8 94.2 141.4





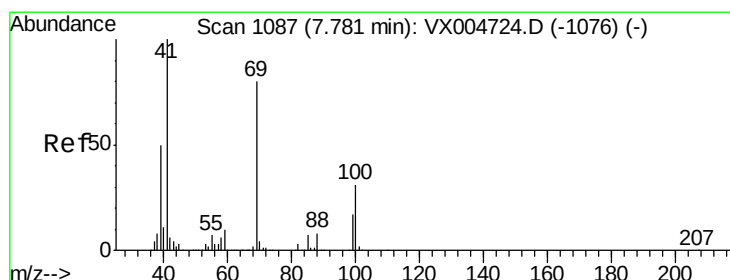
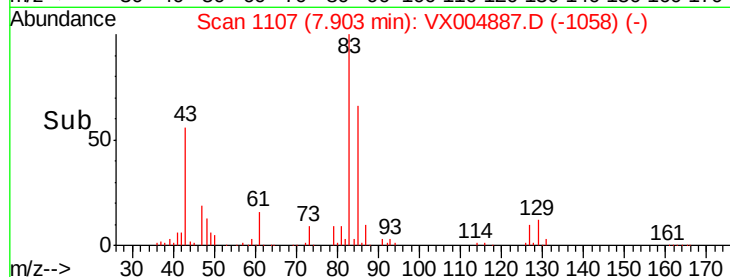
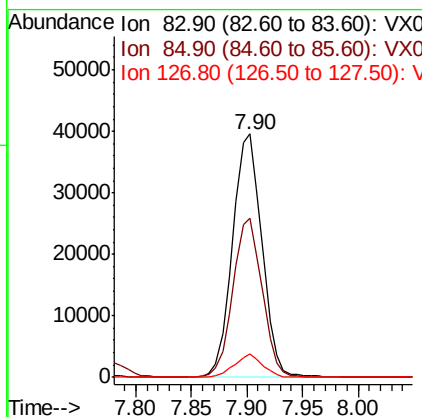
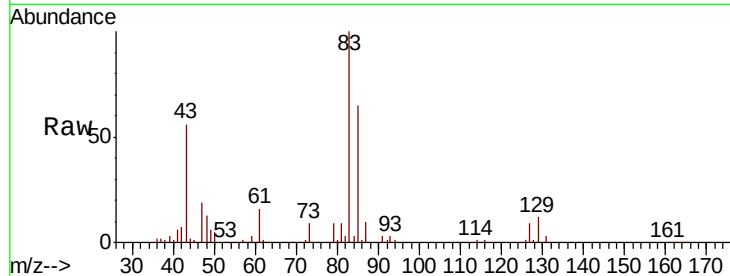
#47
 Bromodichloromethane
 Concen: 21.326 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion	83	Resp	72326
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.9	76.3
127	9.5	7.3	10.9

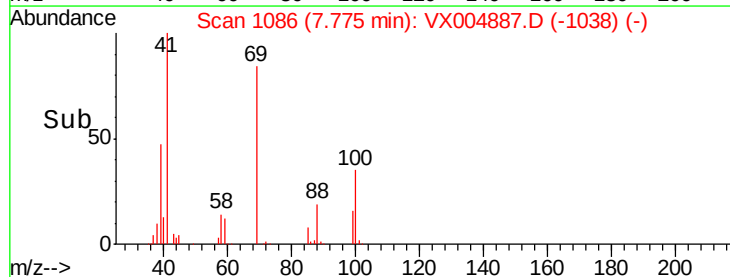
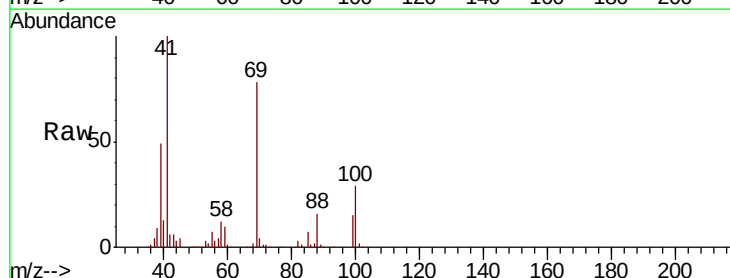
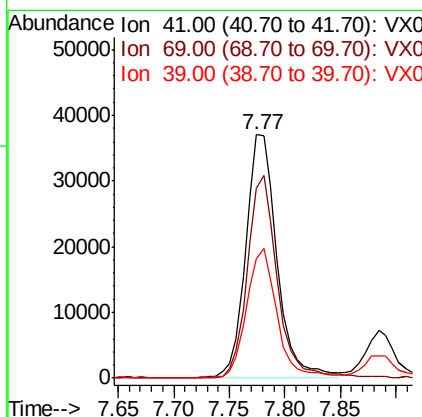
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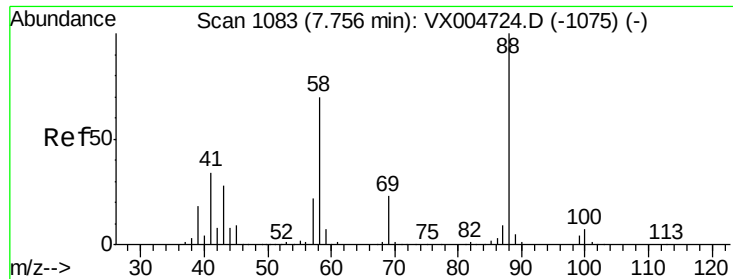
MMDadoda
 10/4/2018 7:07:54 PM



#48
 Methyl methacrylate
 Concen: 22.057 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion	41	Resp	72011
Ion Ratio	100	Lower	Upper
41	100		
69	80.8	70.2	105.4
39	51.5	42.7	64.1





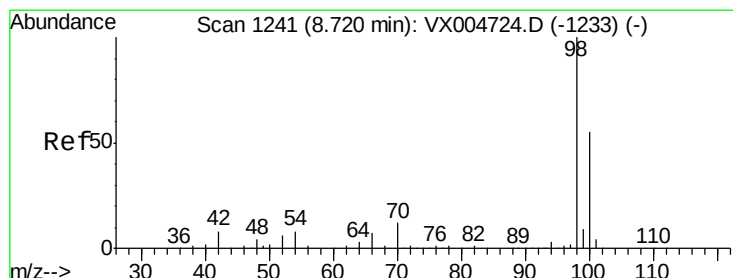
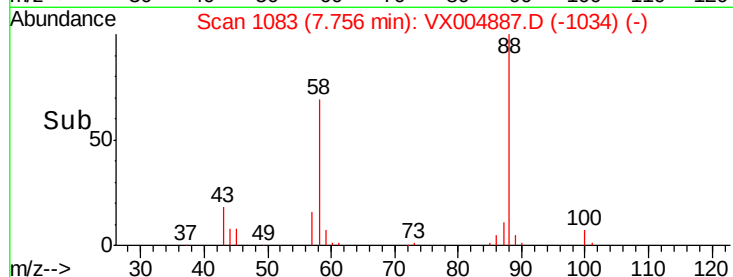
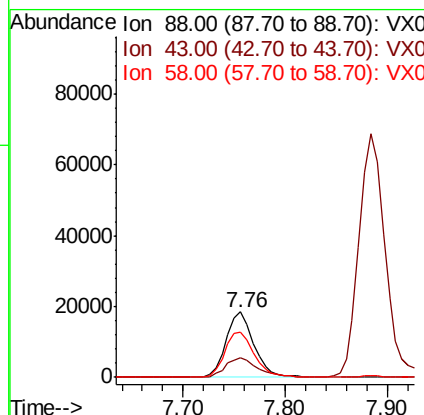
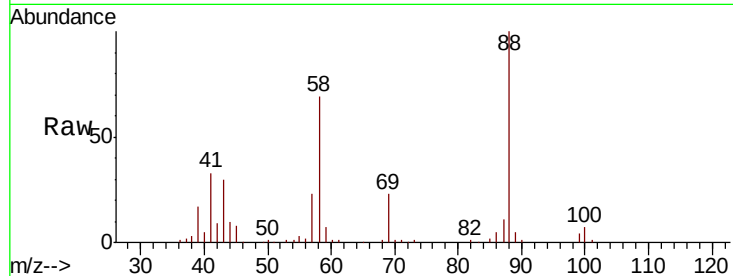
#49
1,4-Dioxane
Concen: 428.668 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	24.7	37.1
58	74.3	55.3	82.9

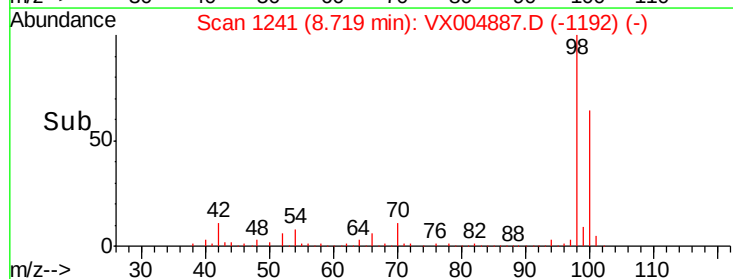
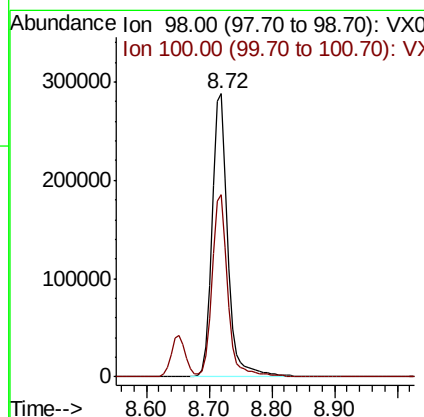
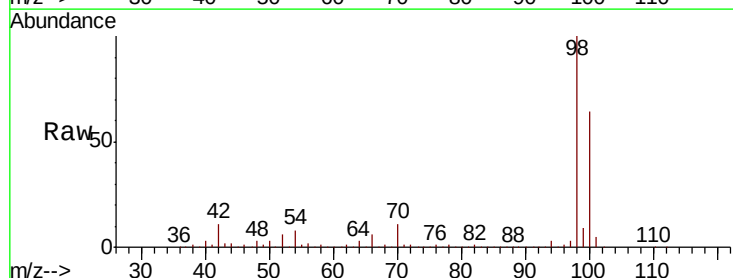
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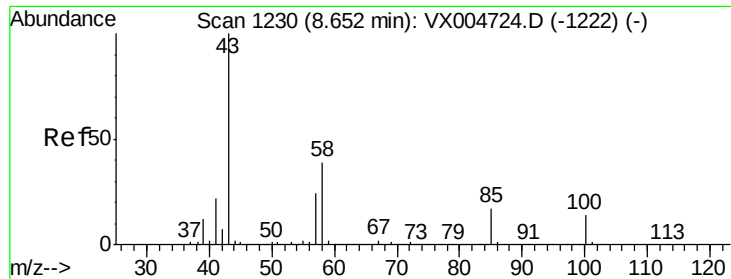
MMDadoda
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#50
Toluene-d8
Concen: 54.140 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.9	79.3





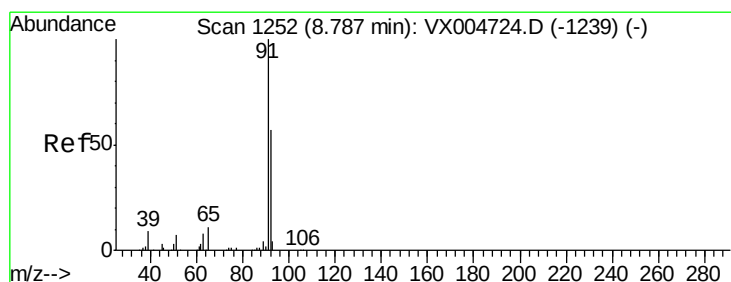
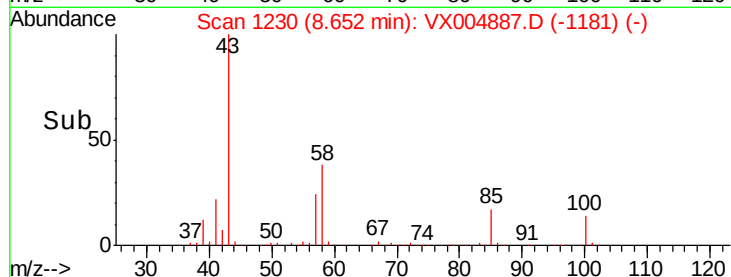
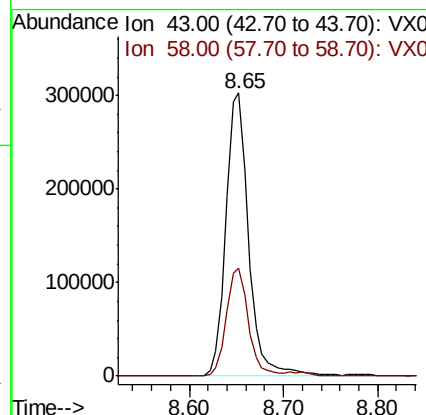
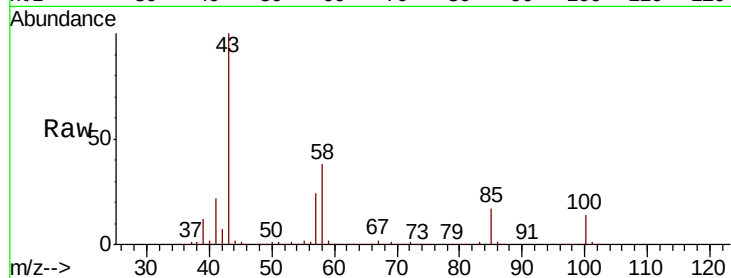
#51
4-Methyl-2-Pentanone
Concen: 112.391 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion: 43 Resp: 509020
Ion Ratio Lower Upper
43 100
58 36.9 33.1 49.7

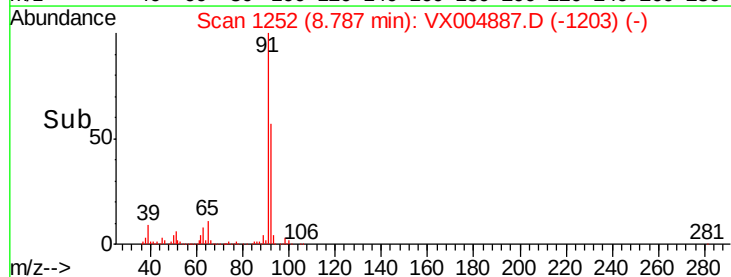
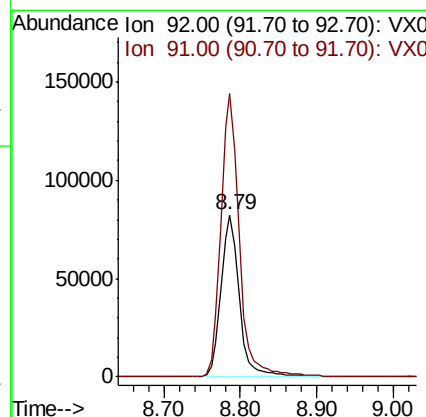
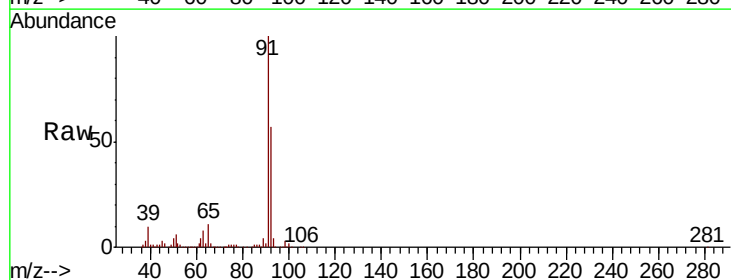
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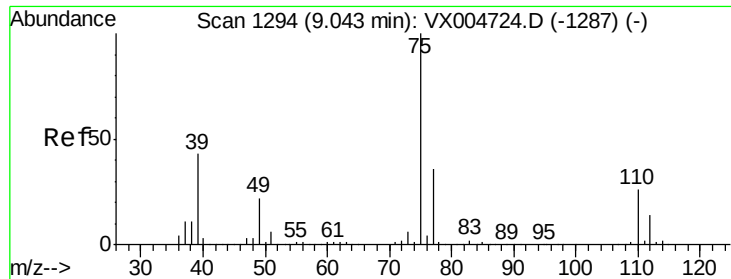
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#52
Toluene
Concen: 21.208 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion: 92 Resp: 136969
Ion Ratio Lower Upper
92 100
91 176.5 136.4 204.6





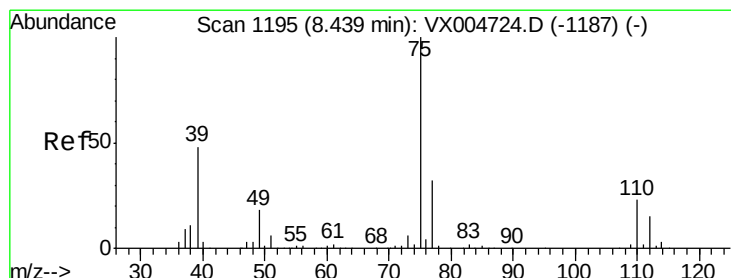
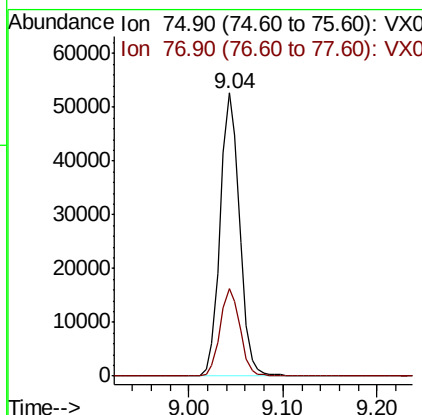
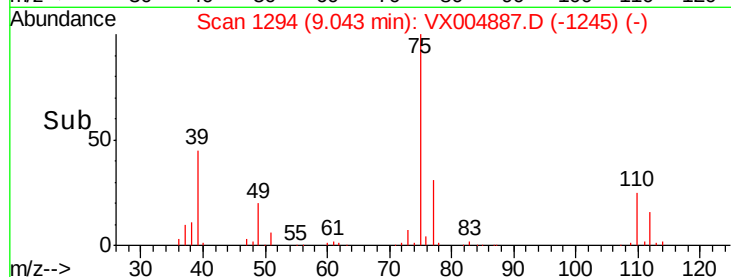
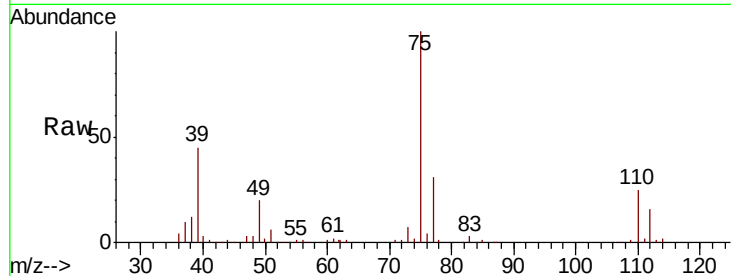
#53
 t-1,3-Dichloropropene
 Concen: 19.753 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion: 75 Resp: 75705
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.6 37.0

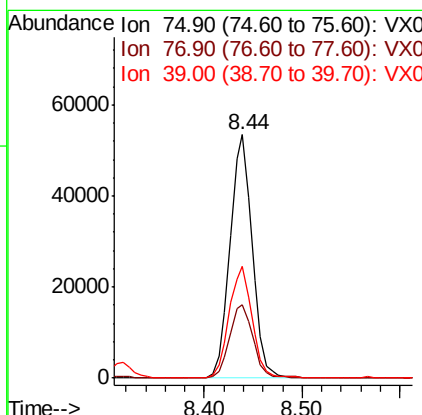
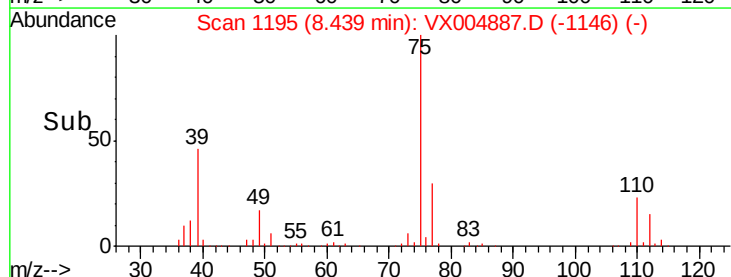
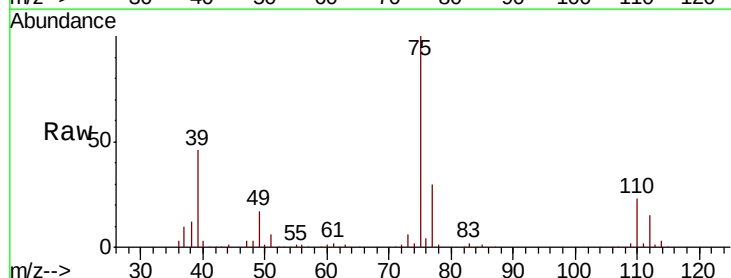
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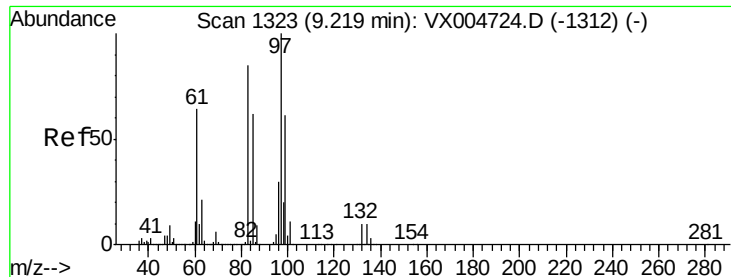
MMDadoda
 10/4/2018 7:07:54 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.018 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion: 75 Resp: 84371
 Ion Ratio Lower Upper
 75 100
 77 30.2 26.2 39.2
 39 45.5 36.4 54.6





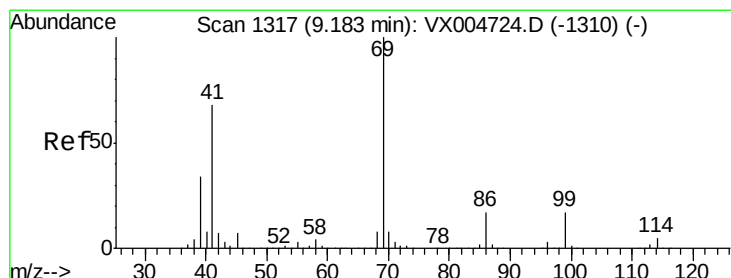
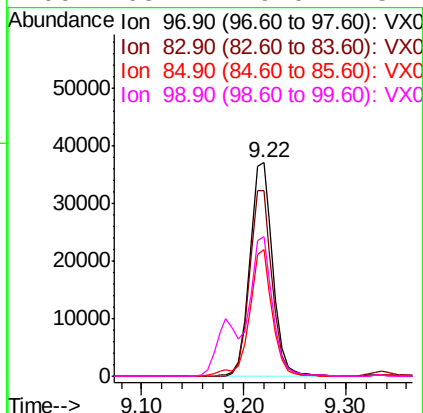
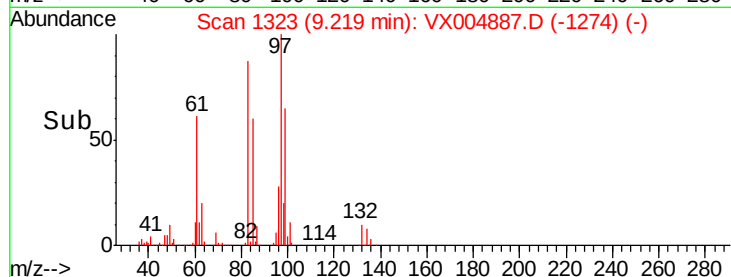
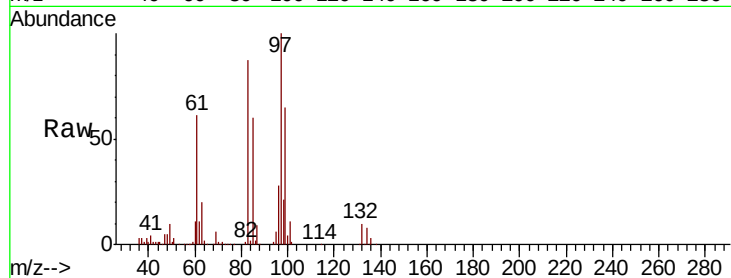
#55
 1,1,2-Trichloroethane
 Concen: 20.634 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion:	97	Resp:	58375
Ion	Ratio	Lower	Upper
97	100		
83	87.2	66.4	99.6
85	59.5	43.3	64.9
99	65.2	49.0	73.4

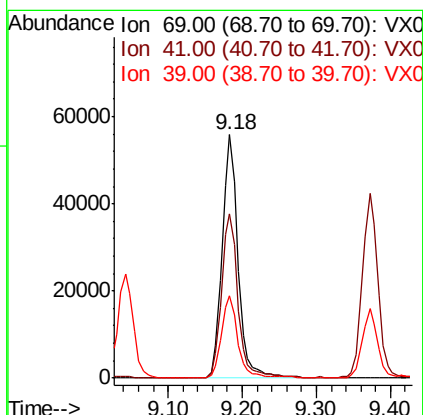
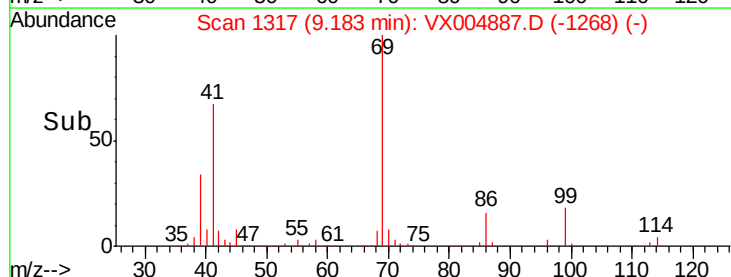
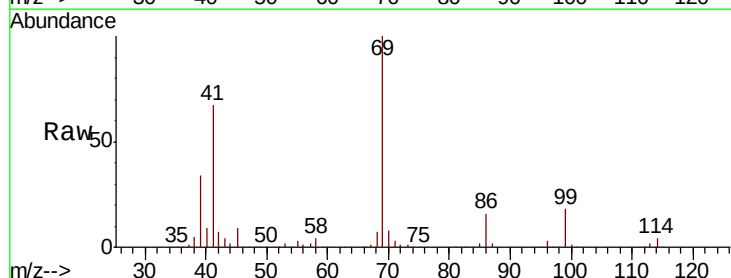
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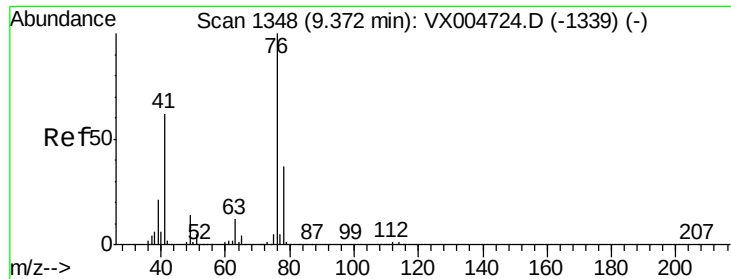
MMDadoda
 10/4/2018 7:07:54 PM



#56
 Ethyl methacrylate
 Concen: 19.957 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion:	69	Resp:	83245
Ion	Ratio	Lower	Upper
69	100		
41	69.9	51.0	76.4
39	34.7	26.1	39.1





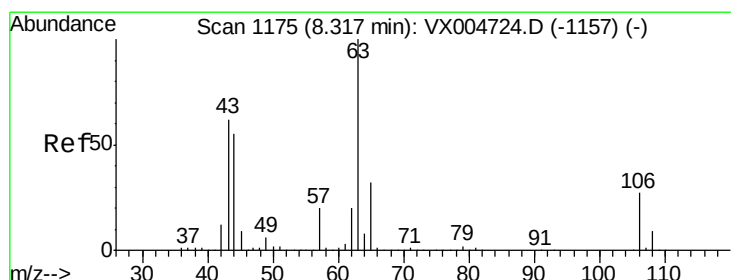
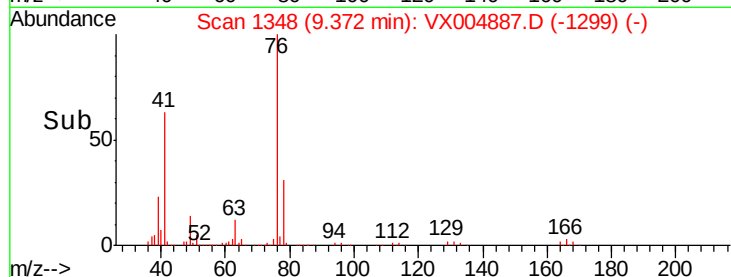
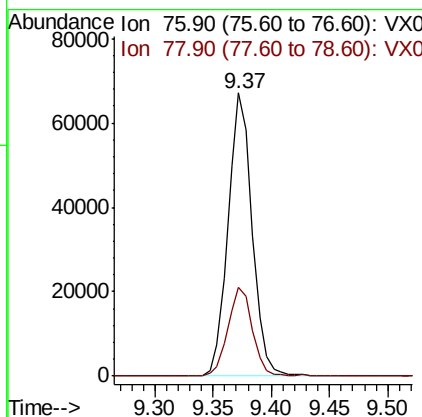
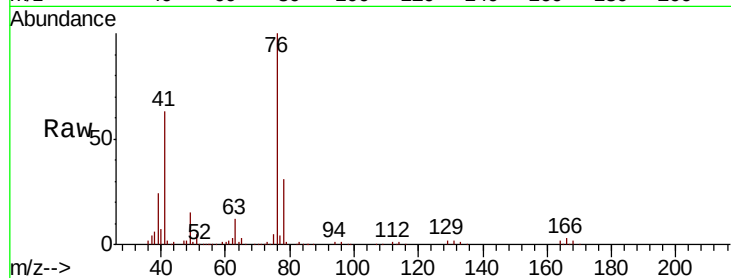
#57
 1,3-Dichloropropane
 Concen: 20.445 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion: 76 Resp: 96262
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

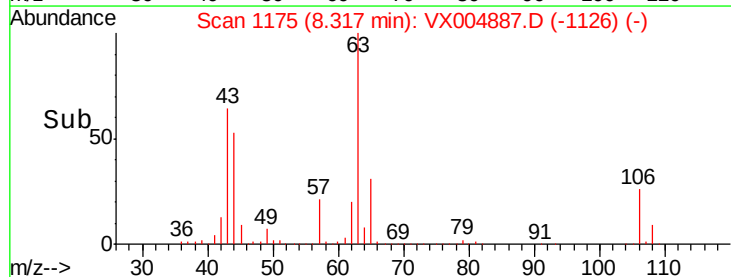
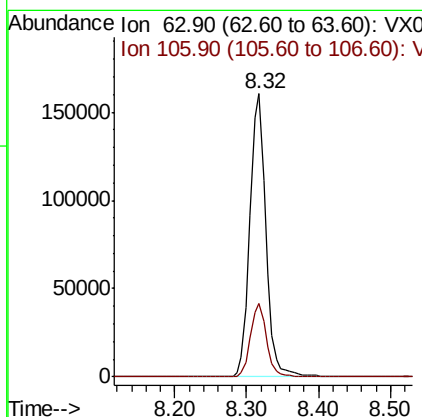
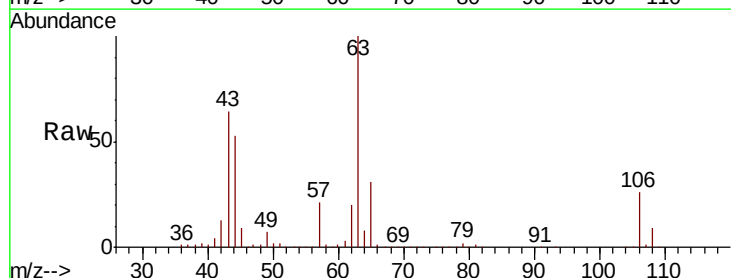
Manual Integrations
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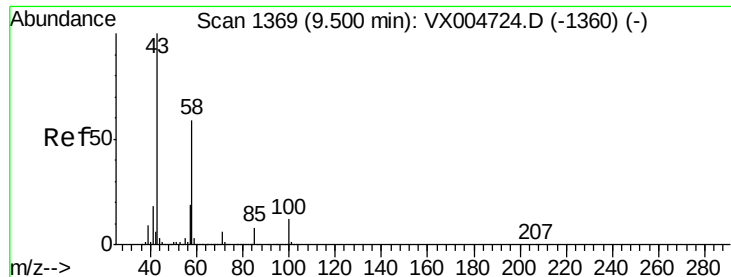
MMDadoda
 10/4/2018 7:07:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.246 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion: 63 Resp: 248154
 Ion Ratio Lower Upper
 63 100
 106 26.2 23.9 35.9





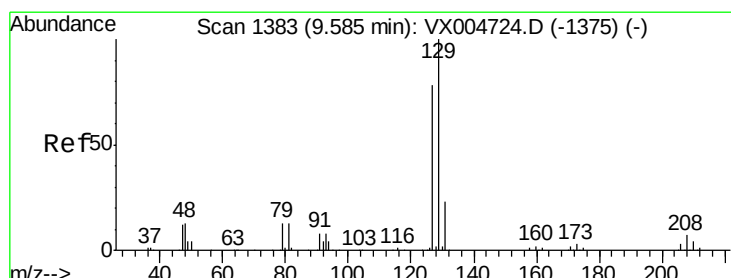
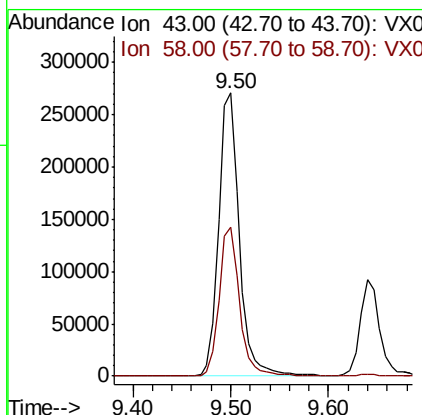
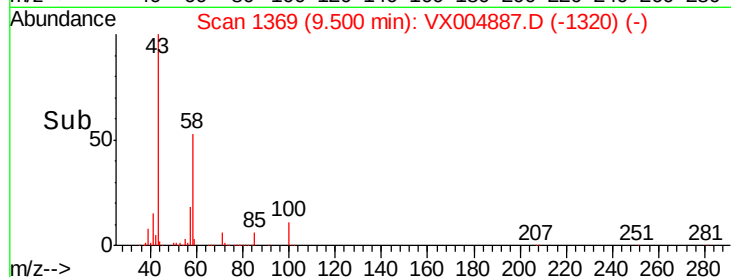
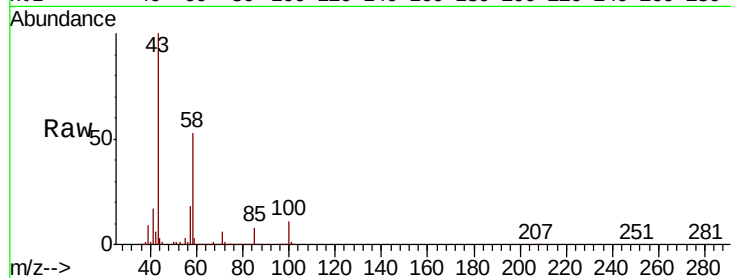
#59
2-Hexanone
Concen: 105.521 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion: 43 Resp: 398245
Ion Ratio Lower Upper
43 100
58 52.2 29.0 87.0

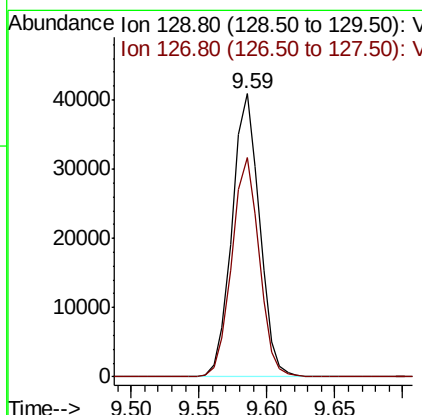
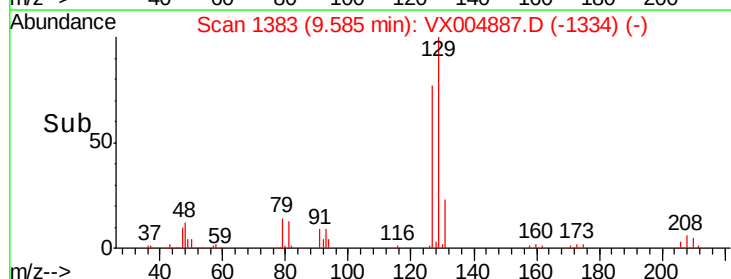
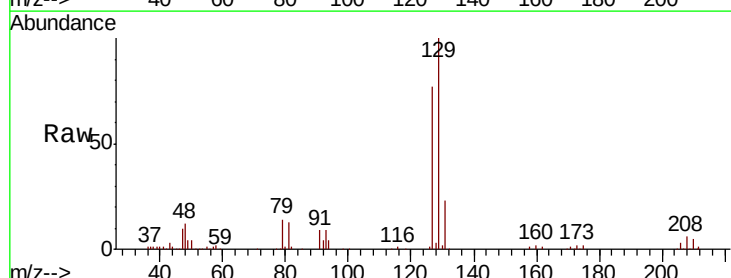
Manual Integrations
APPROVED

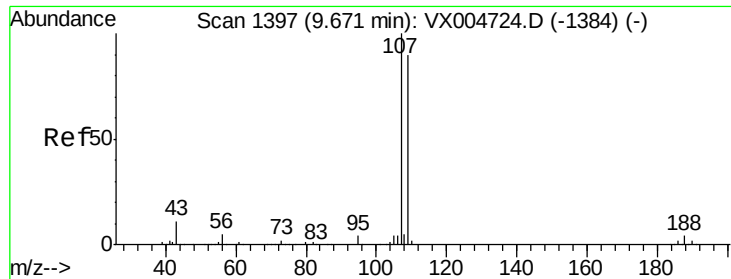
MMDadoda
10/4/2018 7:07:54 PM



#60
Dibromochloromethane
Concen: 20.411 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion:129 Resp: 57747
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.804 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion:107 Resp: 60002

Ion Ratio Lower Upper

107 100

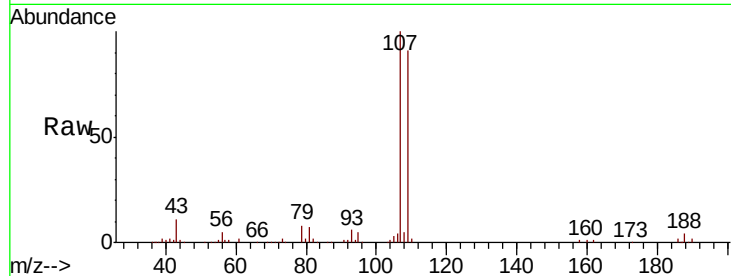
109 92.8 76.0 114.0

Manual Integrations

APPROVED

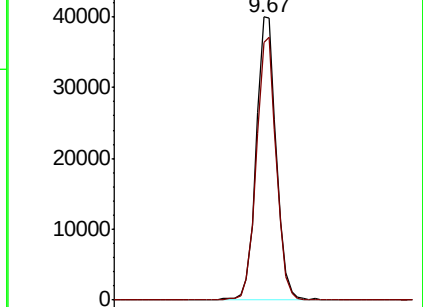
MMDadoda

10/4/2018 7:07:54 PM

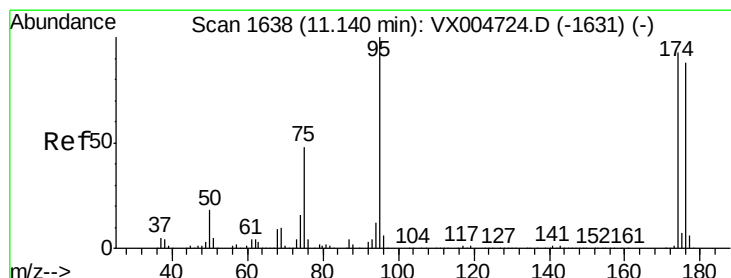
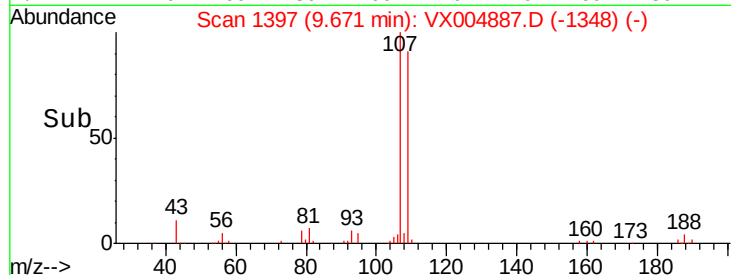


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 54.224 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

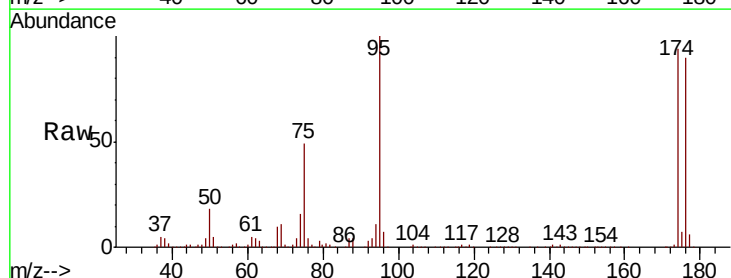
Tgt Ion: 95 Resp: 178700

Ion Ratio Lower Upper

95 100

174 91.2 0.0 185.2

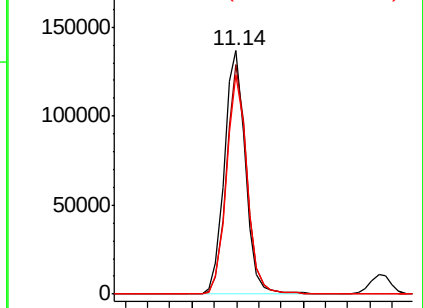
176 88.5 0.0 178.6



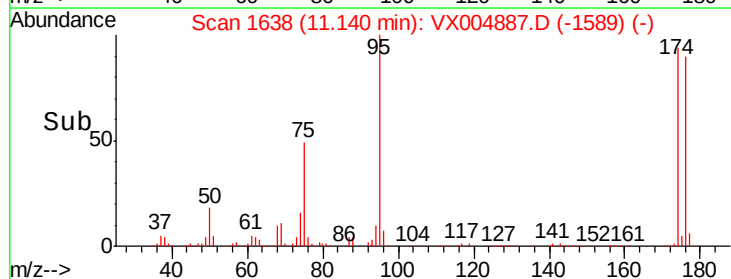
Abundance Ion 94.90 (94.60 to 95.60): VX0

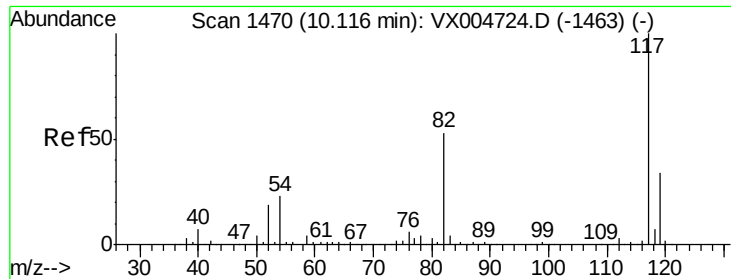
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion:117 Resp: 310280

Ion Ratio Lower Upper

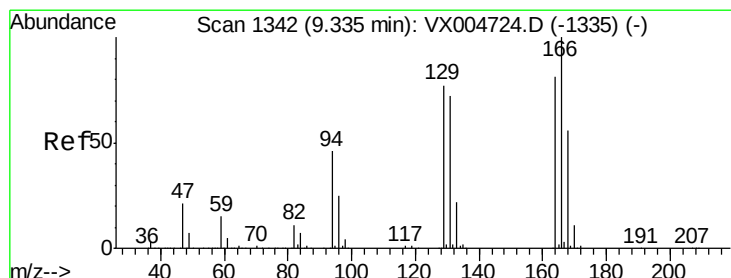
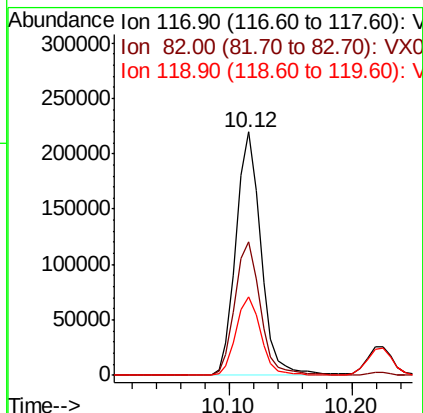
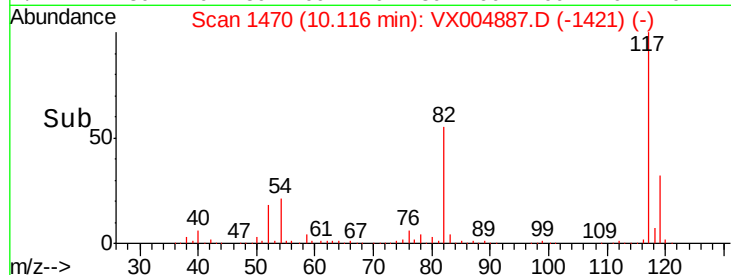
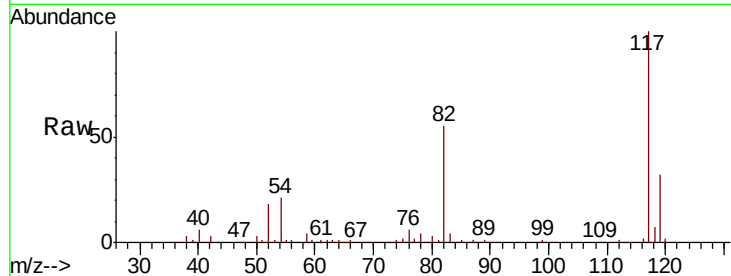
117 100

82 54.8 47.8 71.6

119 32.2 29.3 43.9

Manual Integrations
APPROVED

MMDadoda
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#64

Tetrachloroethene

Concen: 19.171 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Tgt Ion:164 Resp: 58544

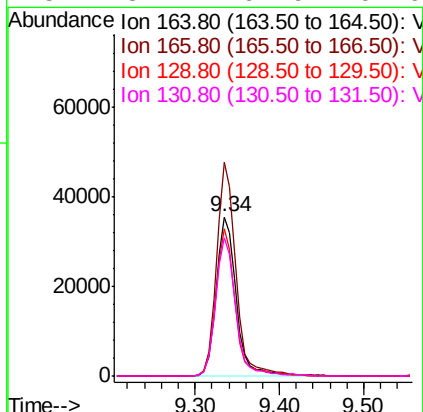
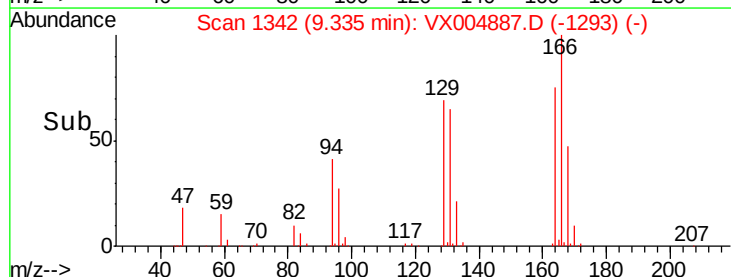
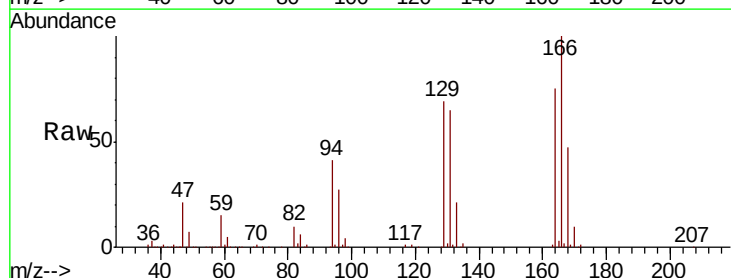
Ion Ratio Lower Upper

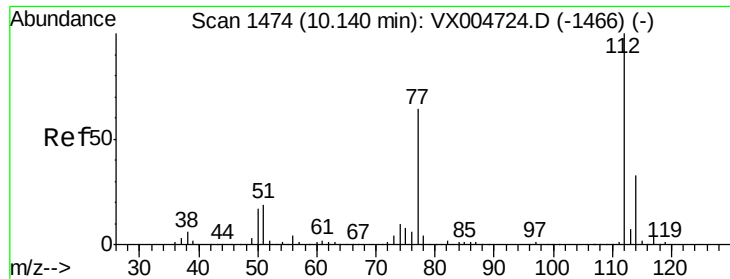
164 100

166 134.1 102.8 154.2

129 92.8 69.4 104.0

131 87.1 67.9 101.9





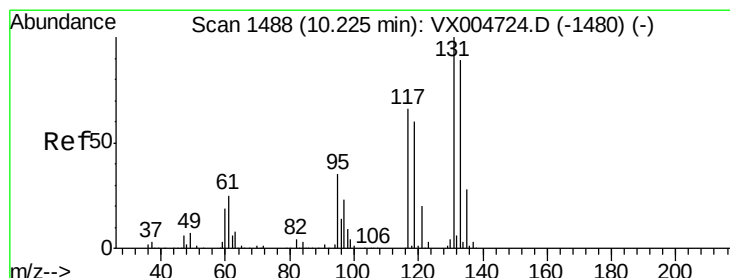
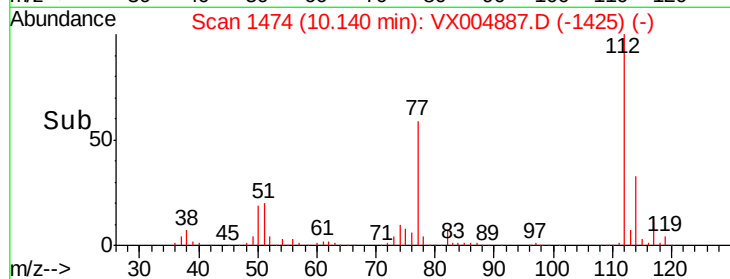
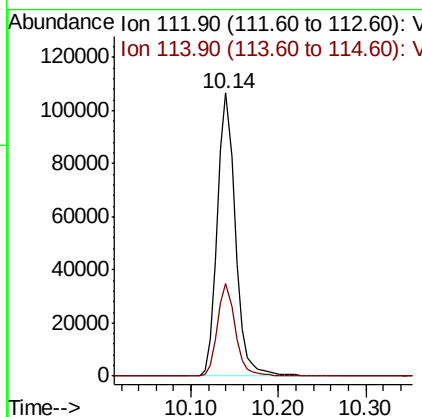
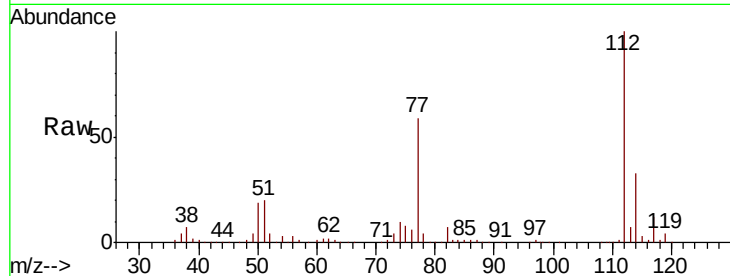
#65
Chlorobenzene
Concen: 19.154 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion:112 Resp: 152398
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

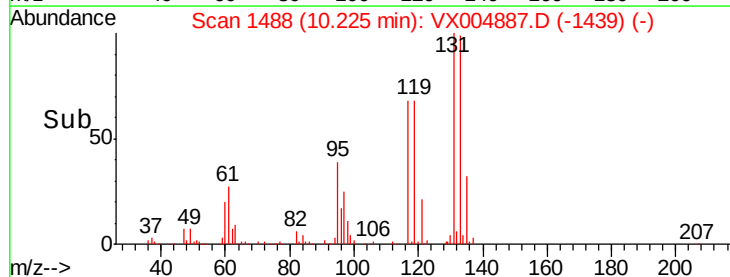
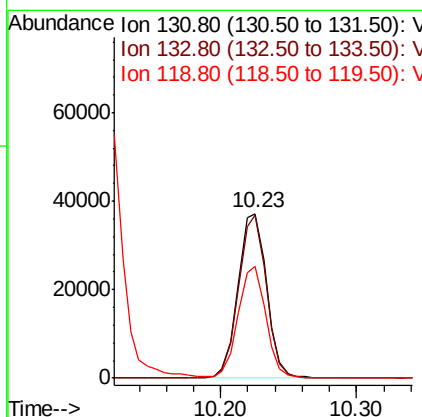
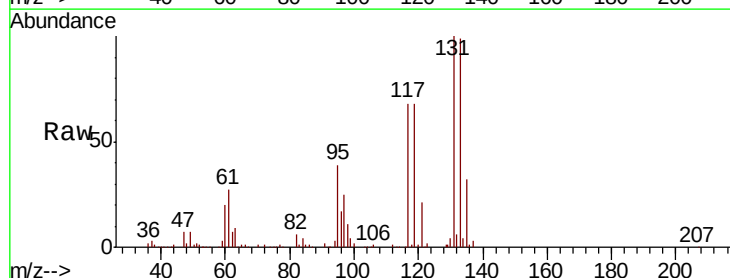
Manual Integrations
APPROVED

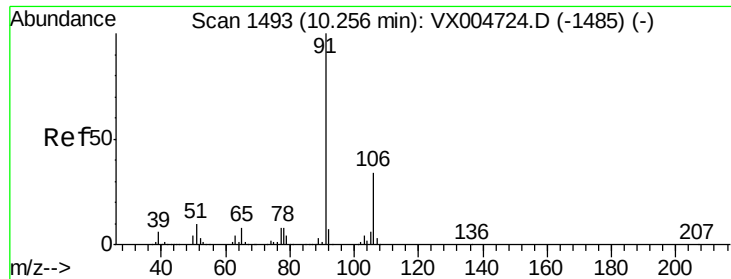
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.531 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion:131 Resp: 54631
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 66.2 32.9 98.6





#67

Ethyl Benzene

Concen: 19.730 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion: 91 Resp: 249227

Ion Ratio Lower Upper

91 100

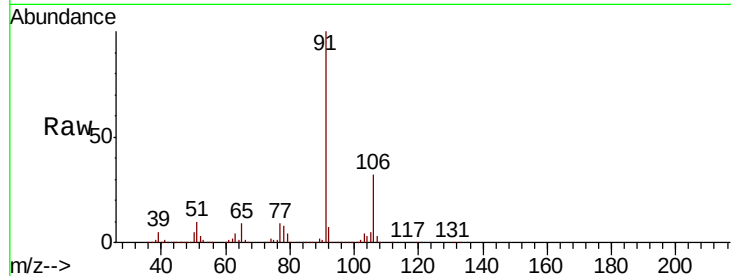
106 31.7 25.9 38.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004724.D (-1485) (-)

300000

250000

200000

150000

100000

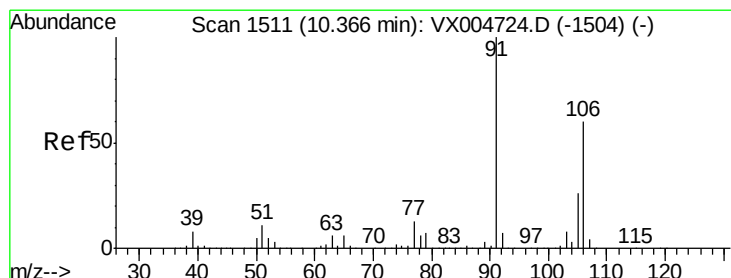
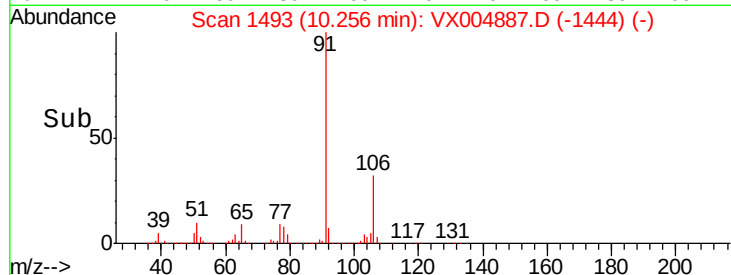
50000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 39.870 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004887.D

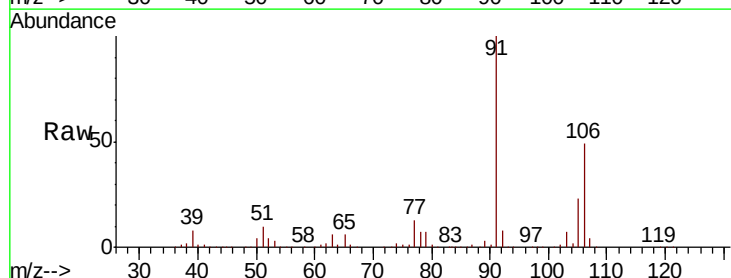
Acq: 01 Oct 2018 23:30

Tgt Ion: 106 Resp: 196804

Ion Ratio Lower Upper

106 100

91 205.6 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004724.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX004724.D (-1504) (-)

300000

250000

200000

150000

100000

50000

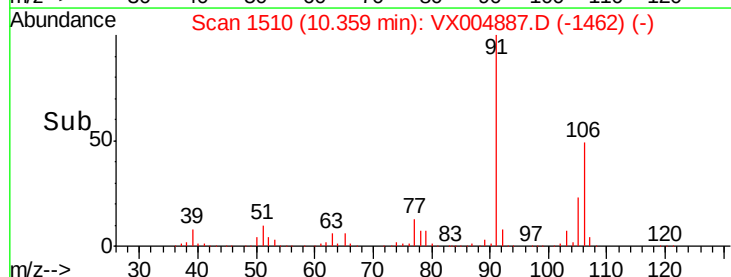
0

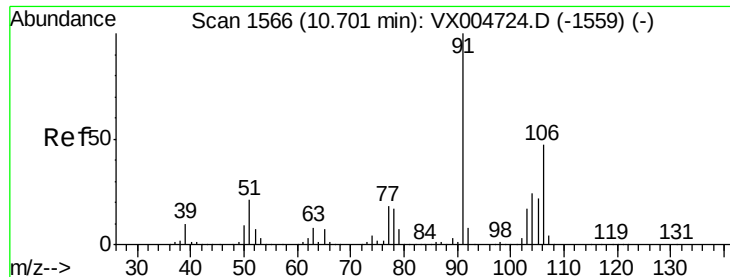
10.30

10.40

10.50

Time-->





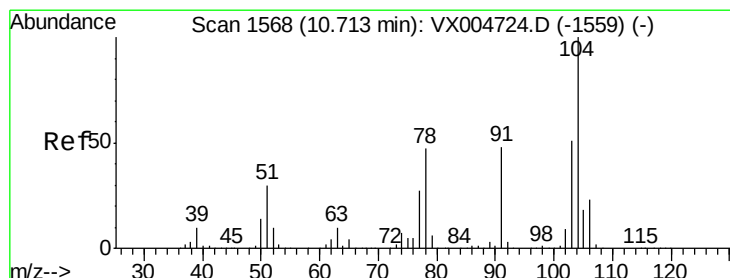
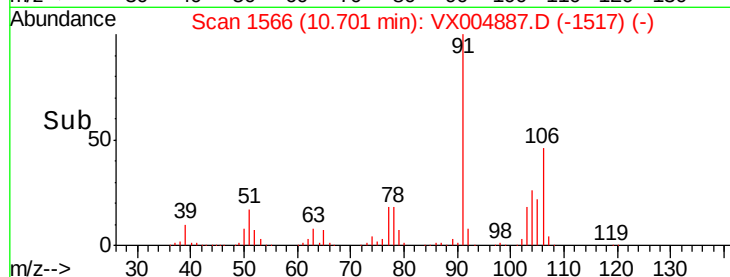
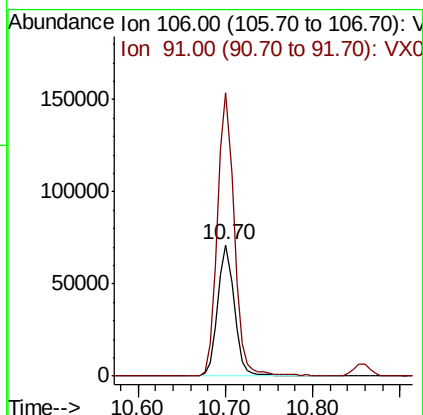
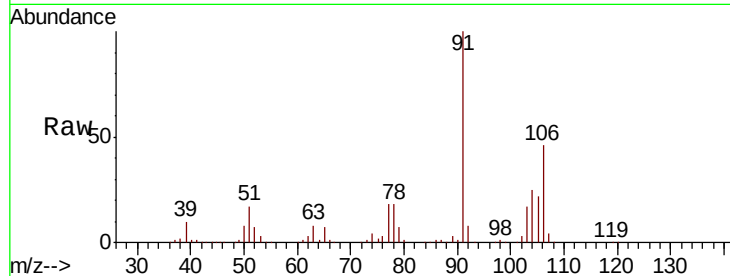
#69
o-Xylene
Concen: 20.697 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampled :
VX1001WBS02

Tot Ion:106 Resp: 93837
Ion Ratio Lower Upper
106 100
91 217.2 105.1 315.1

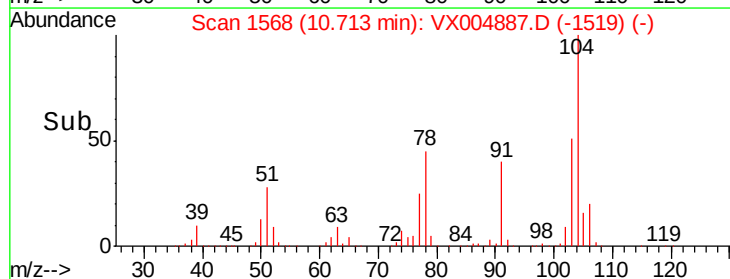
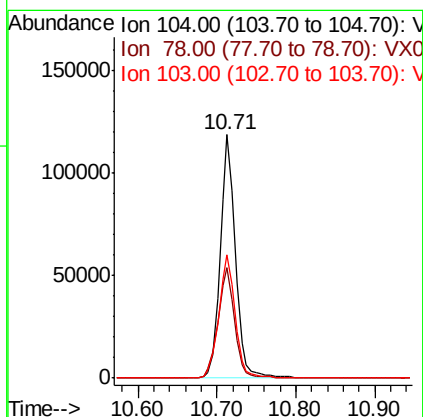
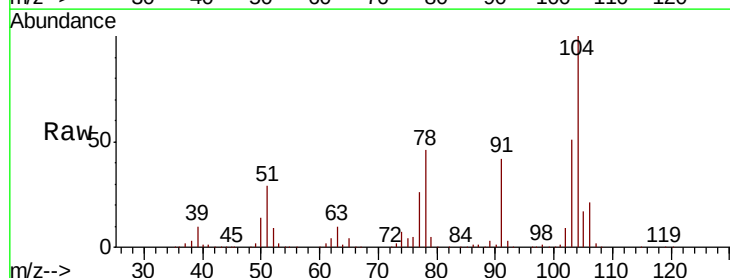
Manual Integrations
APPROVED

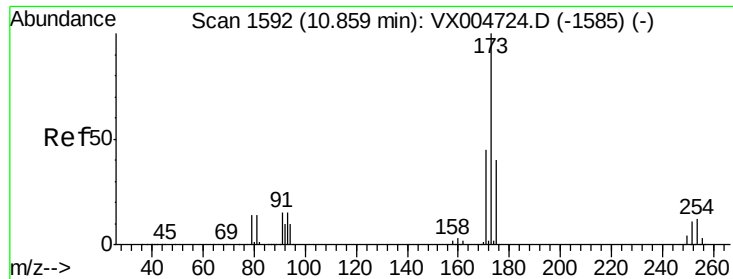
MMDadoda
10/4/2018 7:07:54 PM



#70
Styrene
Concen: 20.115 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion:104 Resp: 159232
Ion Ratio Lower Upper
104 100
78 50.3 37.4 56.0
103 55.2 43.8 65.6





#71

Bromoform

Concen: 18.712 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

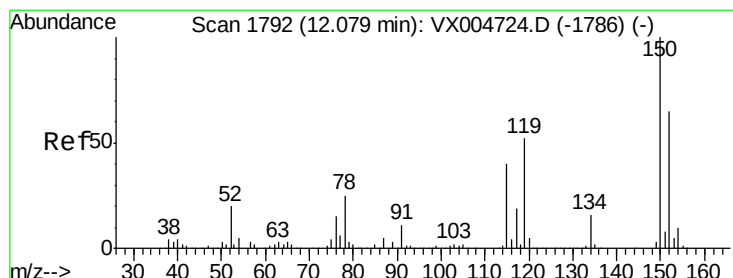
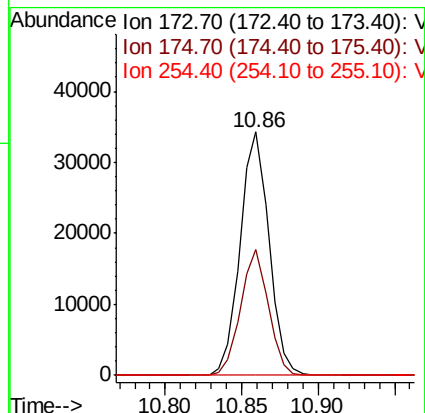
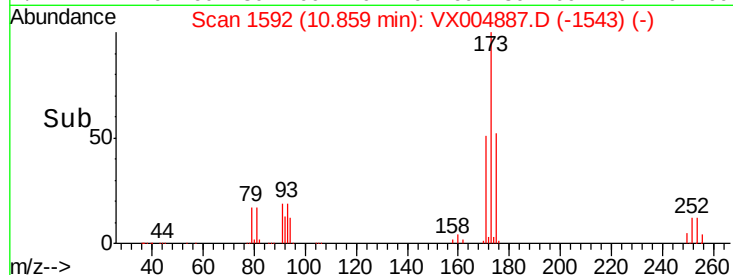
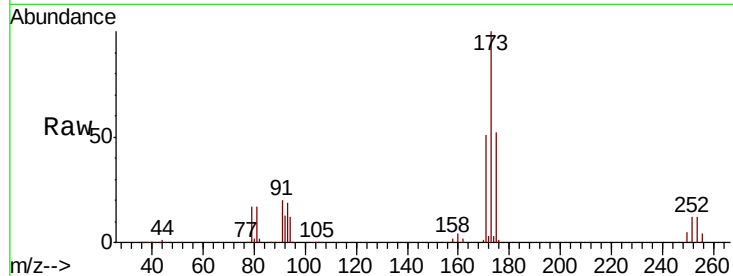
ClientSampleId :

VX1001WBS02

Tot Ion:	173	Resp:	44811
Ion Ratio	Lower	Upper	
173	100		
175	49.9	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
APPROVED

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10/4/2018 7:07:54 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

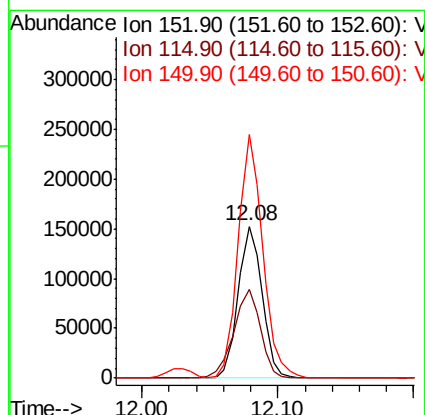
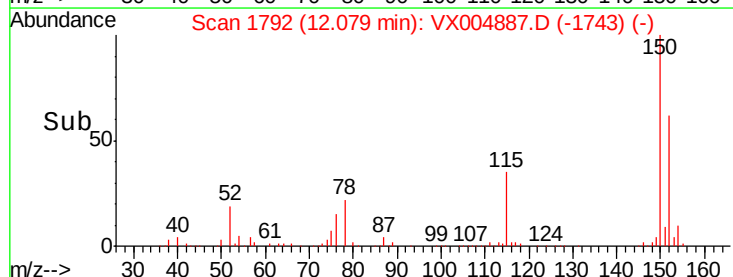
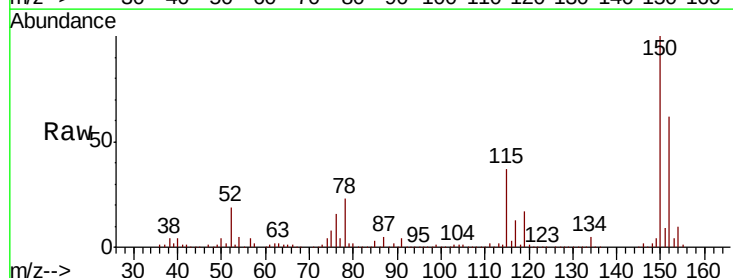
RT: 12.08 min Scan# 1792

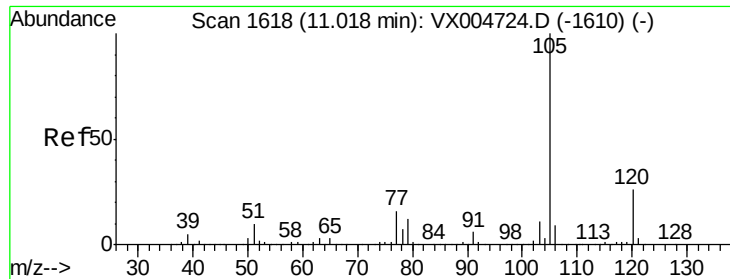
Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Tgt Ion:	152	Resp:	187085
Ion Ratio	Lower	Upper	
152	100		
115	65.1	39.0	117.0
150	164.7	0.0	351.0





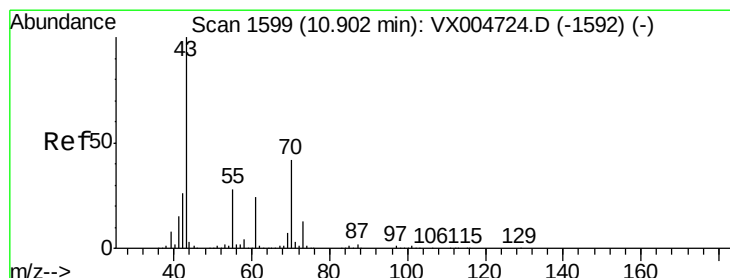
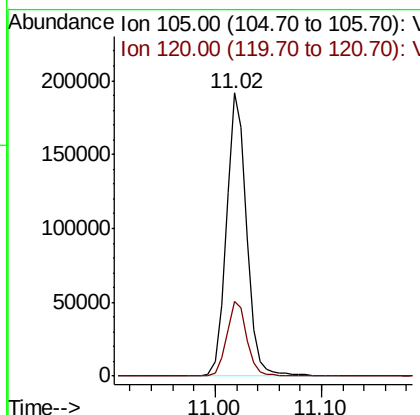
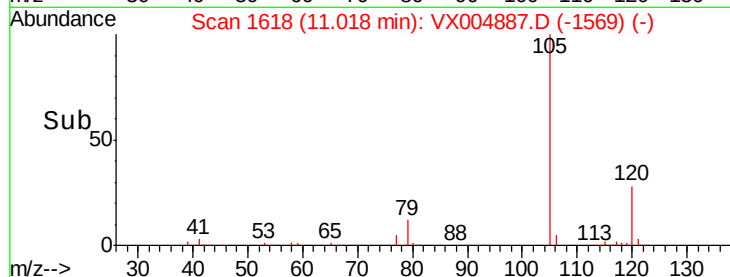
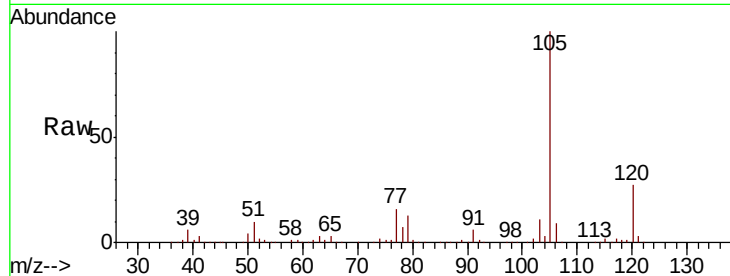
#73
Isopropylbenzene
Concen: 21.539 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

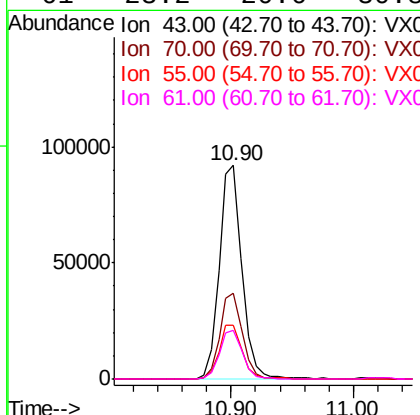
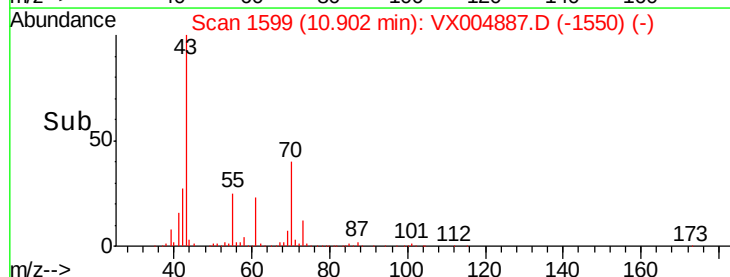
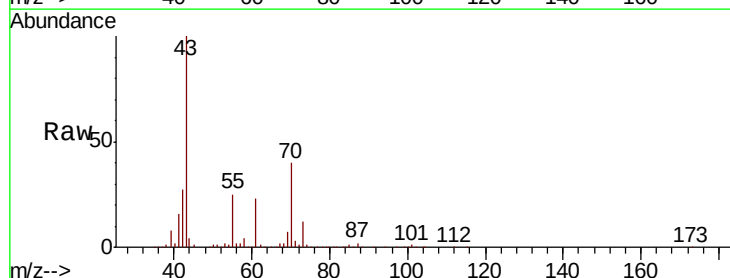
Manual Integrations
APPROVED

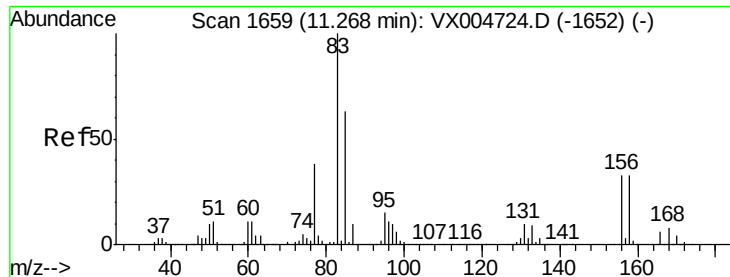
MMDadoda
10/4/2018 7:07:54 PM



#74
N-ethyl acetate
Concen: 19.366 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.5	37.4	56.0
55	26.3	21.8	32.8
61	23.2	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.672 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

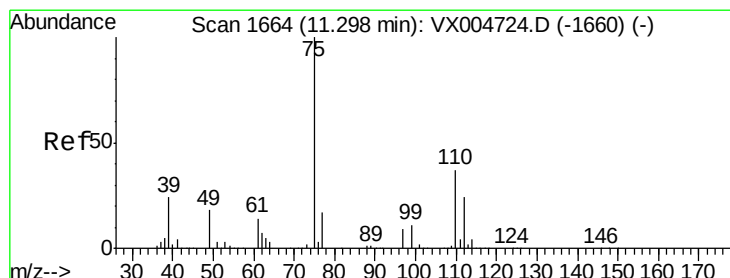
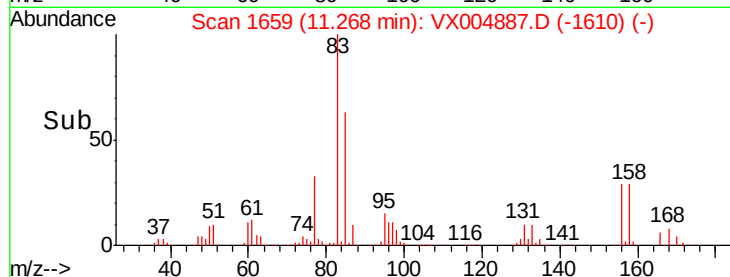
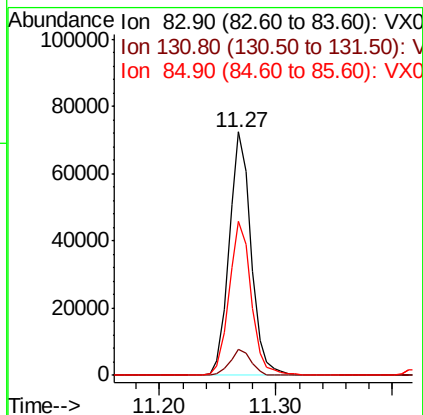
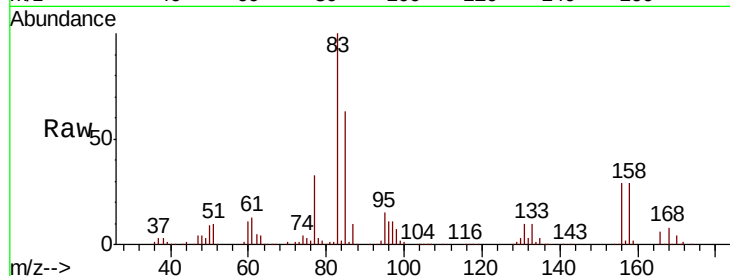
ClientSampleId :

VX1001WBS02

Tot Ion:	83	Resp:	94431
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/4/2018 7:07:54 PM



#76

1,2,3-Trichloropropane

Concen: 20.474 ug/l m

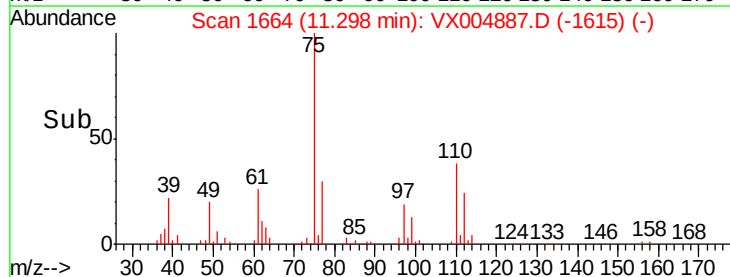
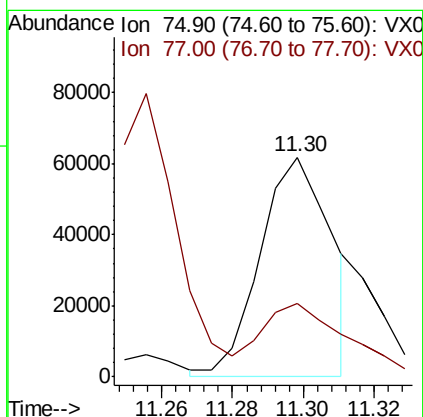
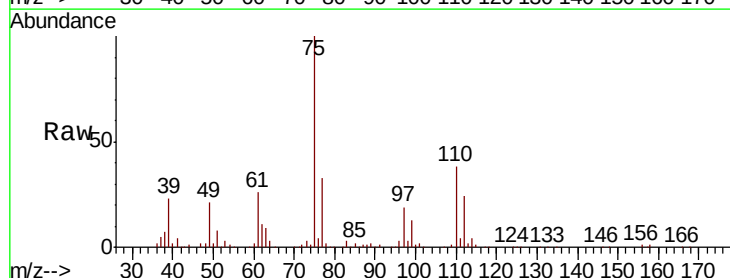
RT: 11.30 min Scan# 1664

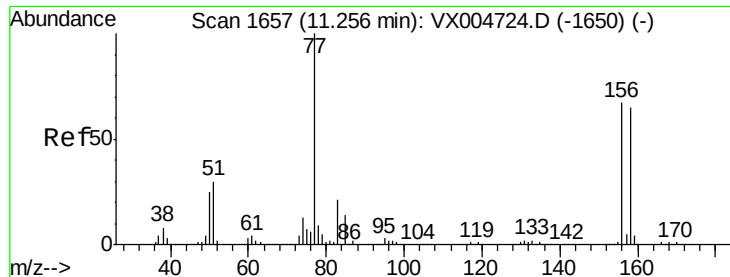
Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Tgt Ion:	75	Resp:	85854
Ion Ratio	Lower	Upper	
75	100		
77	40.5	20.2	60.6





#77

Bromobenzene

Concen: 20.538 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBS02

Tot Ion:156 Resp: 70344

Ion Ratio Lower Upper

156 100

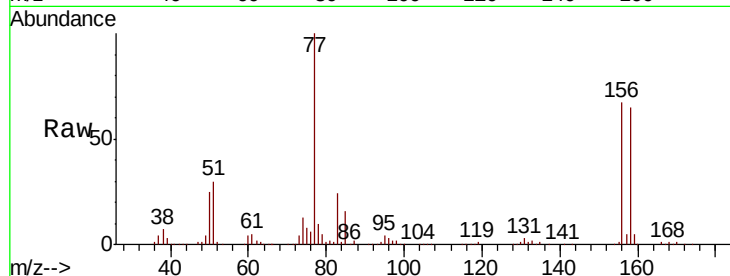
77 147.6 71.5 214.3

158 96.7 48.9 146.8

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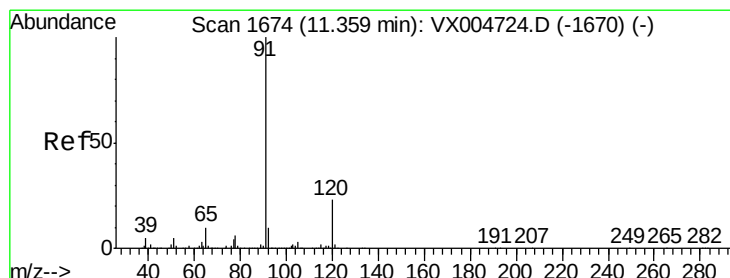
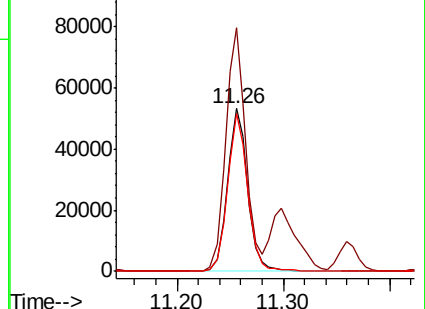
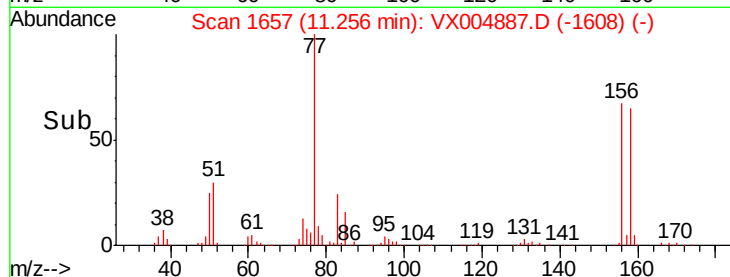
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.434 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004887.D

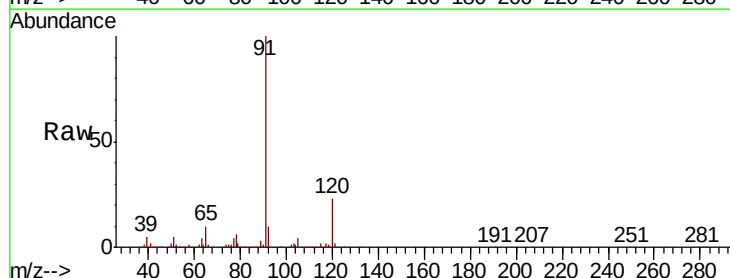
Acq: 01 Oct 2018 23:30

Tgt Ion: 91 Resp: 290007

Ion Ratio Lower Upper

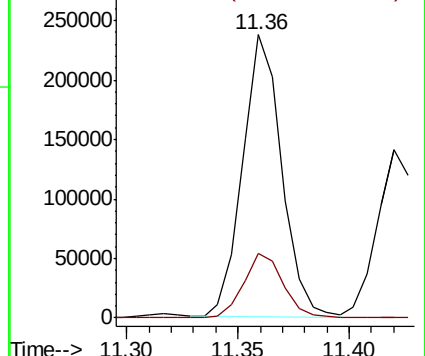
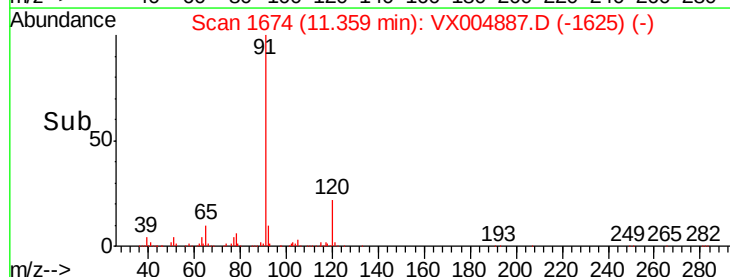
91 100

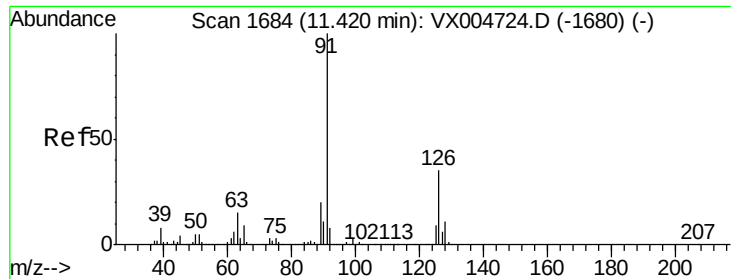
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





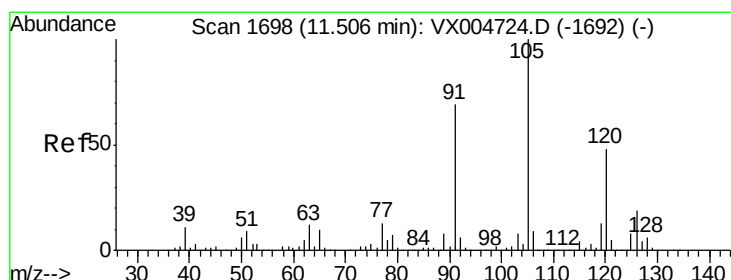
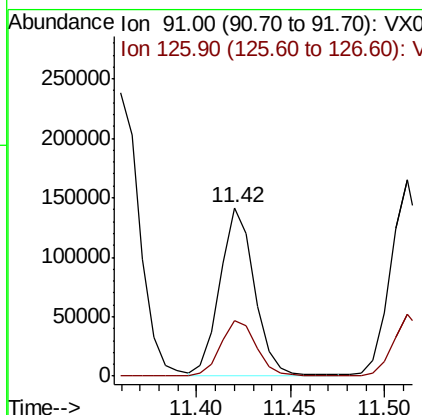
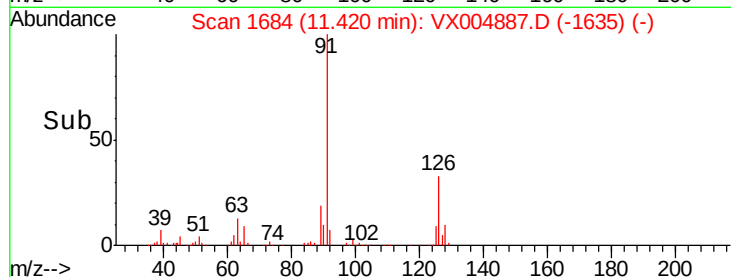
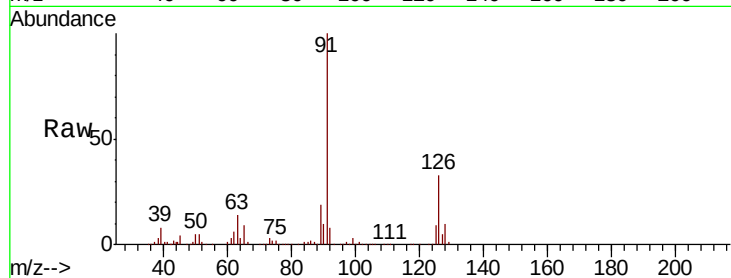
#79
 2-Chlorotoluene
 Concen: 21.212 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion: 91 Resp: 178893
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.9 53.7

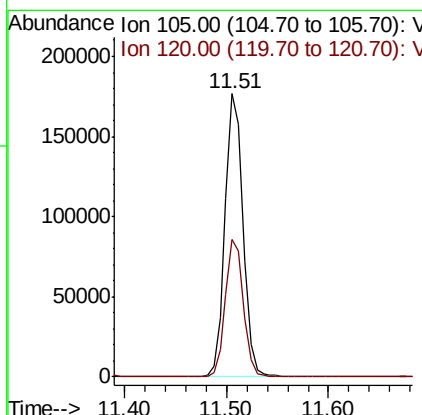
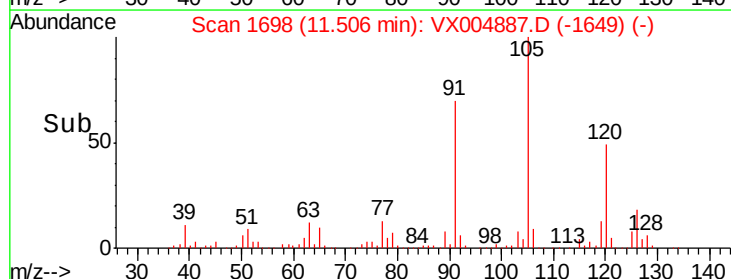
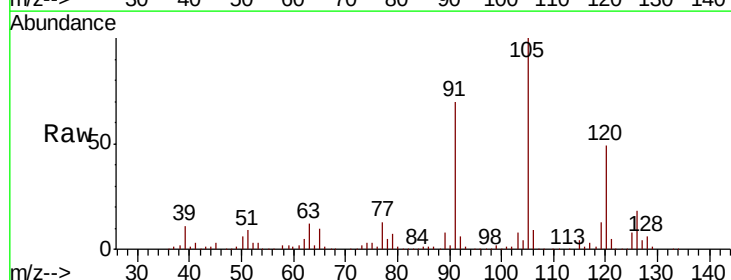
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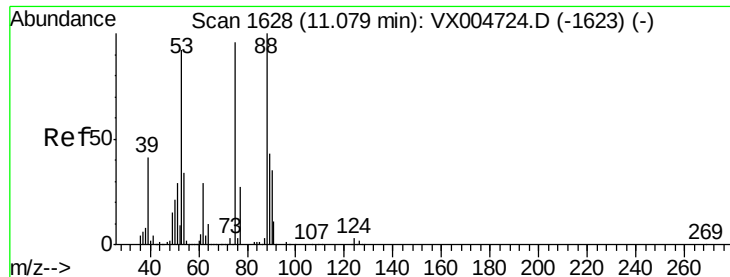
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.859 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion: 105 Resp: 215923
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.6 76.8





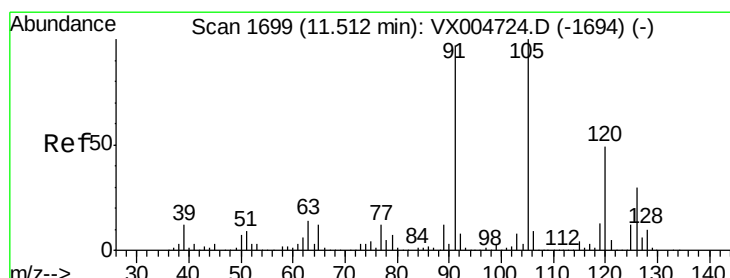
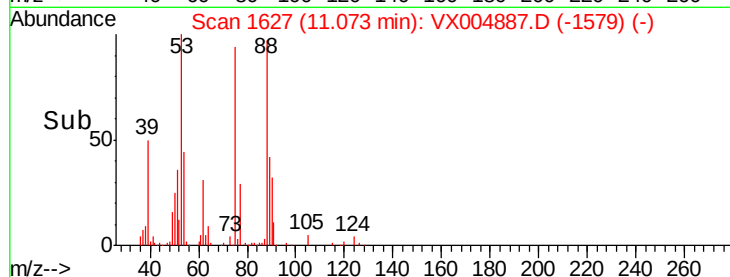
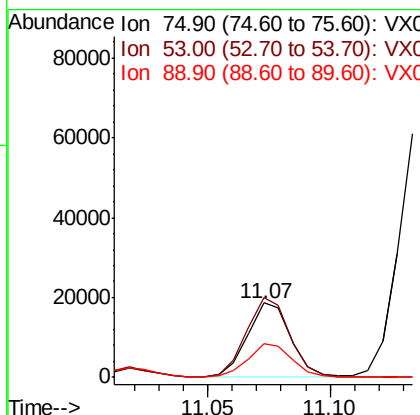
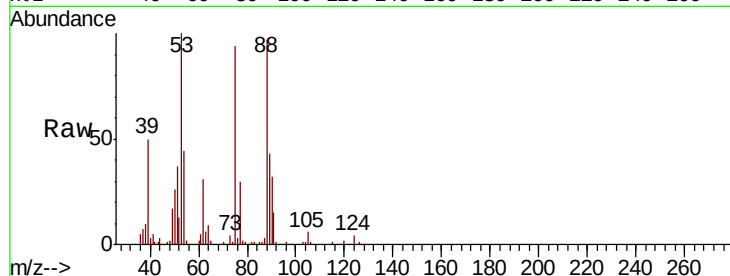
#81
trans-1,4-Dichloro-2-butene
Concen: 16.235 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.9	80.1	120.1
89	46.3	37.2	55.8

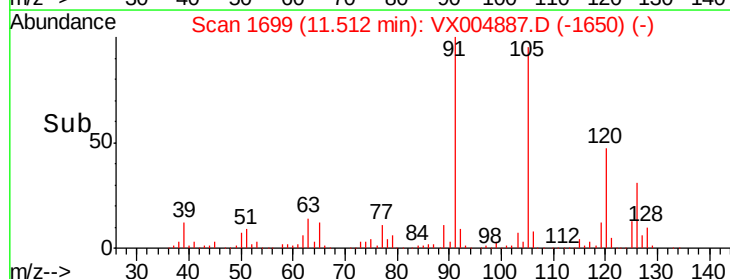
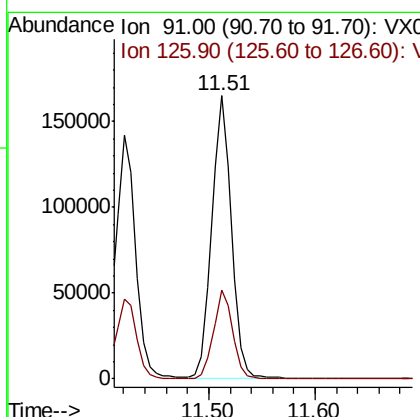
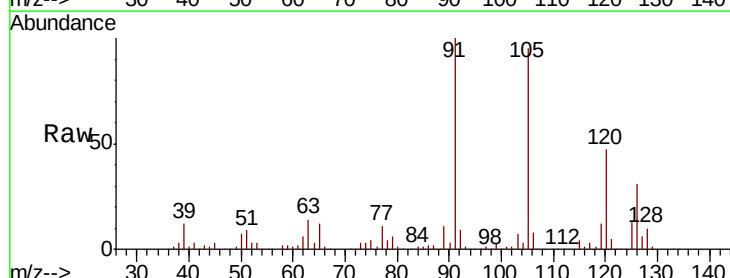
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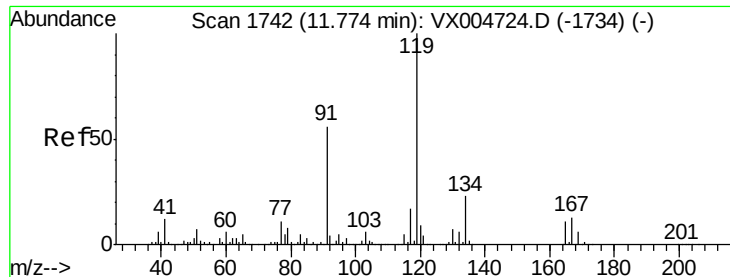
MMDadoda
10/4/2018 7:07:54 PM



#82
4-Chlorotoluene
Concen: 21.031 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





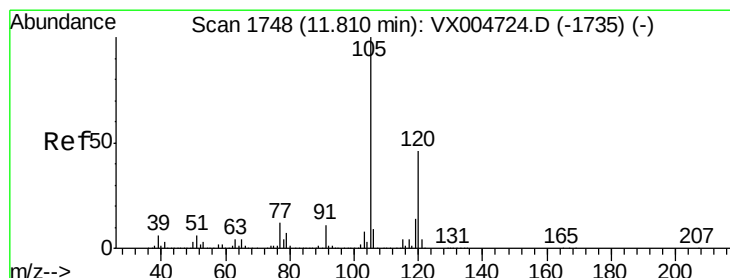
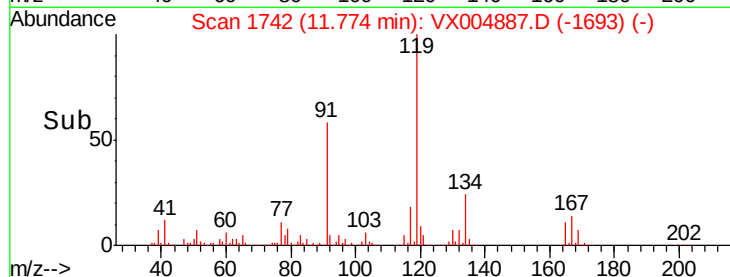
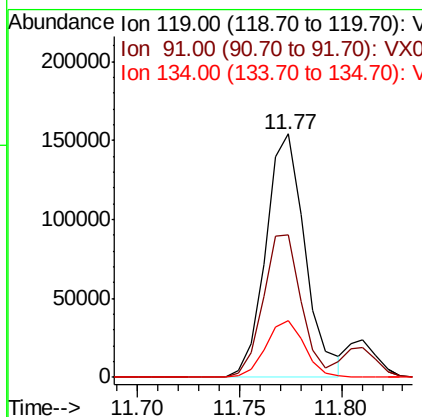
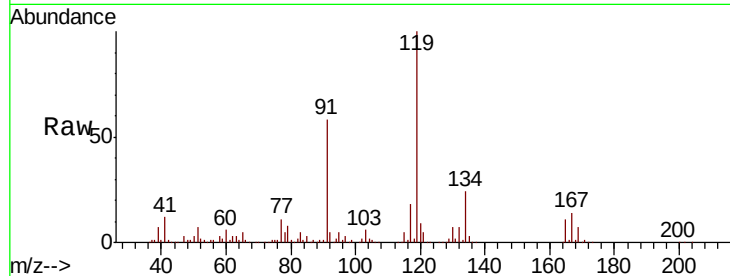
#83
 tert-Butylbenzene
 Concen: 21.399 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207757		
91	56.6		27.0	81.0
134	23.0		11.7	35.1

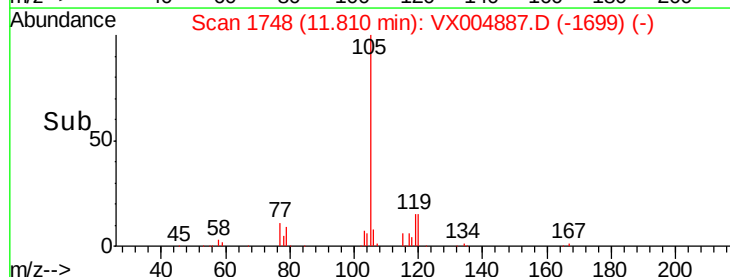
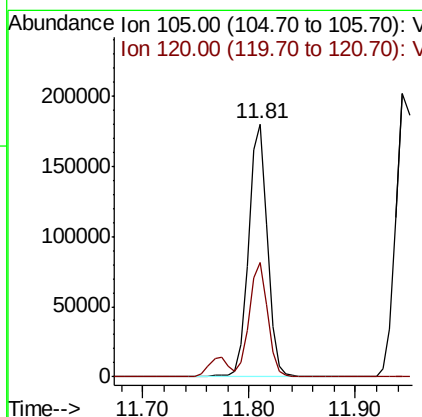
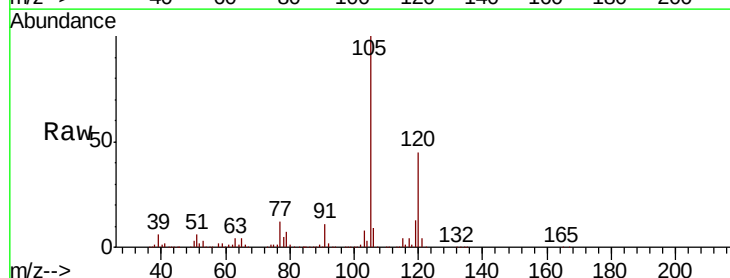
Manual Integrations
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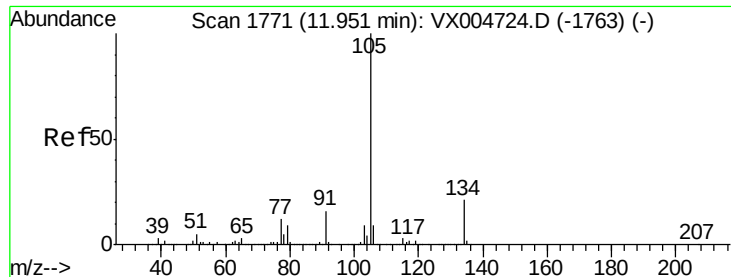
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.836 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222421		
120	44.7		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.282 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

Instrument :

MSVOA_X

ClientSampled :

VX1001WBS02

Tot Ion:105 Resp: 251676

Ion Ratio Lower Upper

105 100

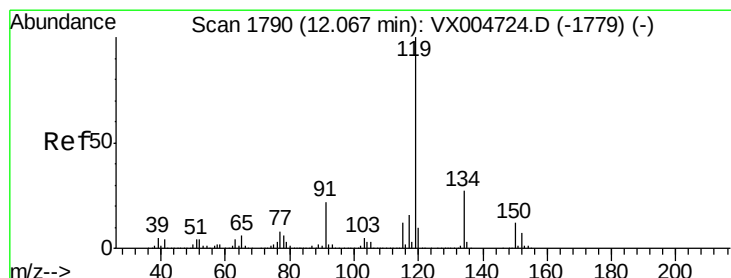
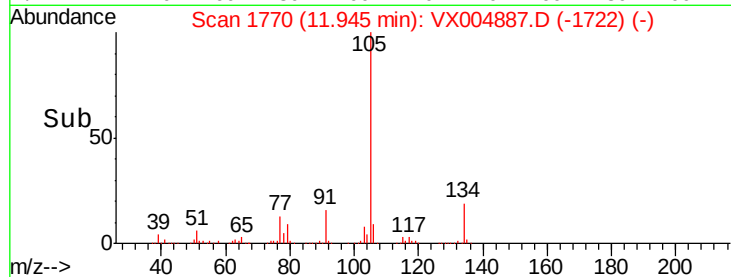
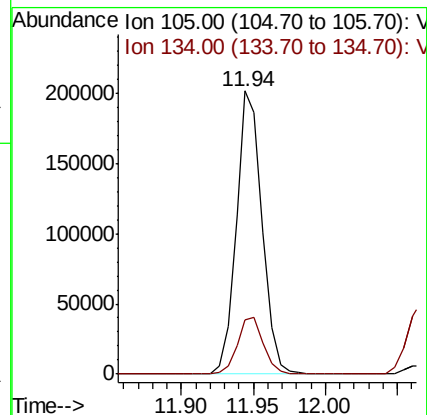
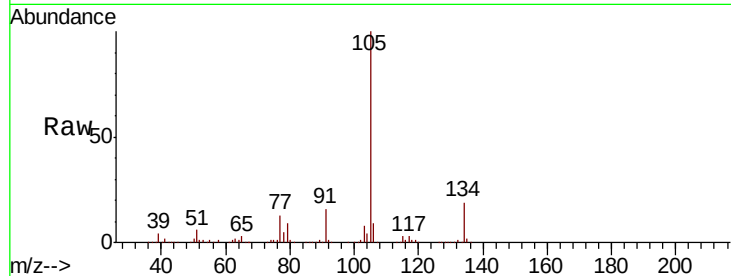
134 20.3 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.948 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004887.D

Acq: 01 Oct 2018 23:30

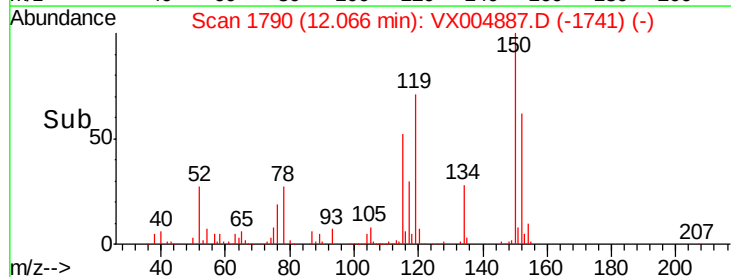
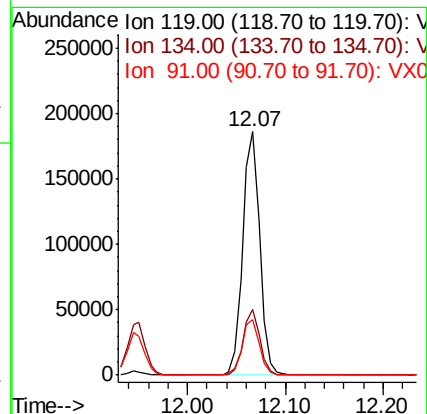
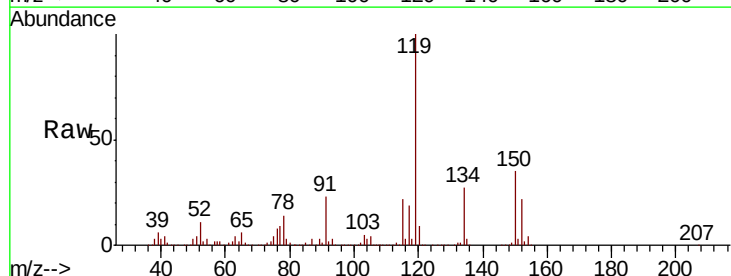
Tgt Ion:119 Resp: 224437

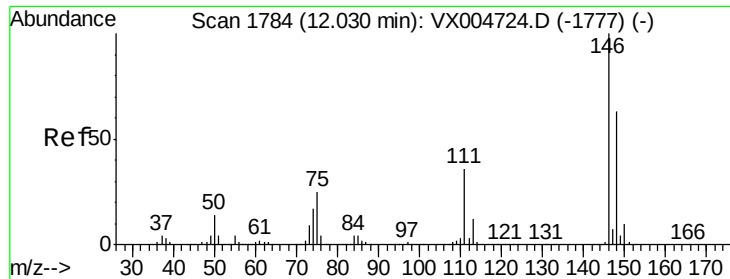
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 23.2 10.9 32.7





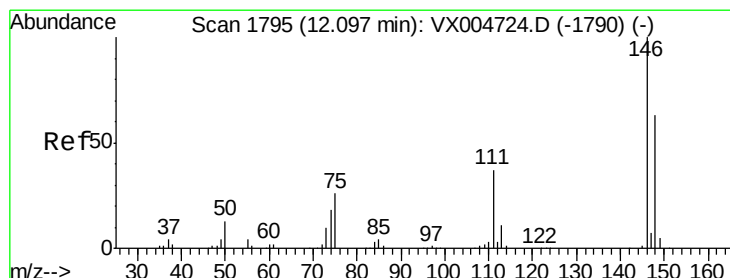
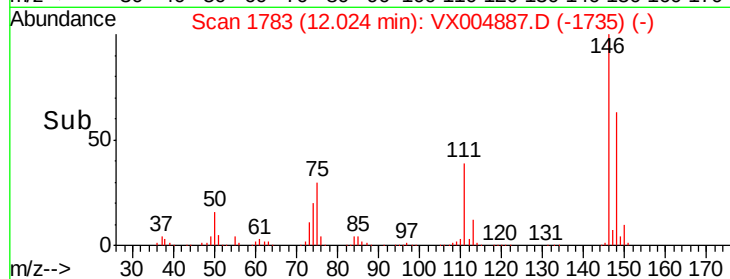
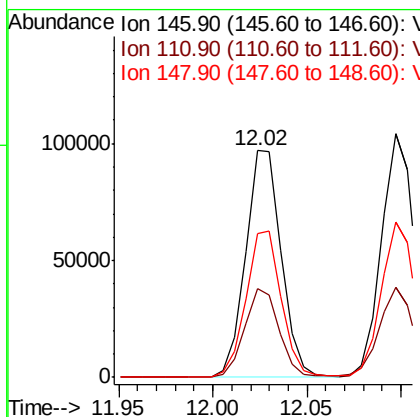
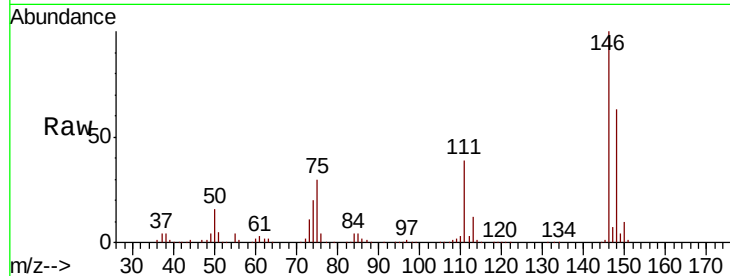
#87
 1,3-Dichlorobenzene
 Concen: 19.912 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	64.1	32.1	96.5

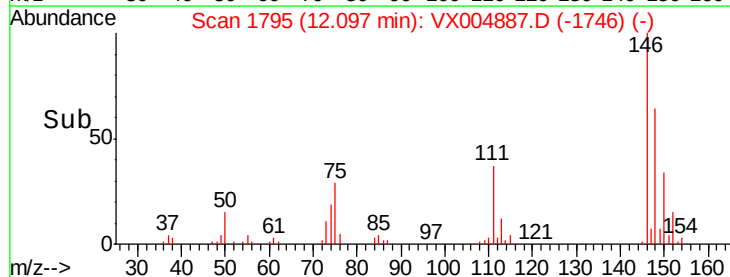
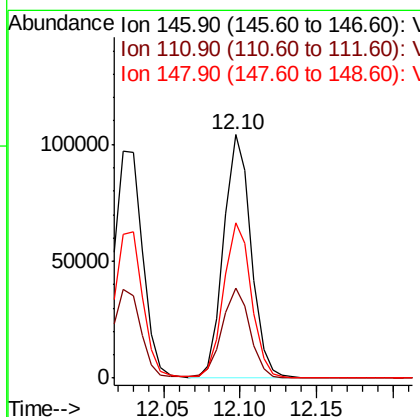
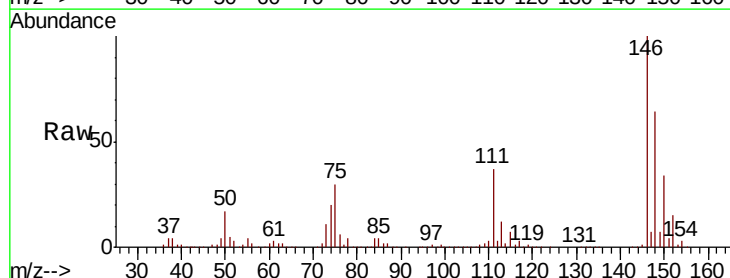
Manual Integrations
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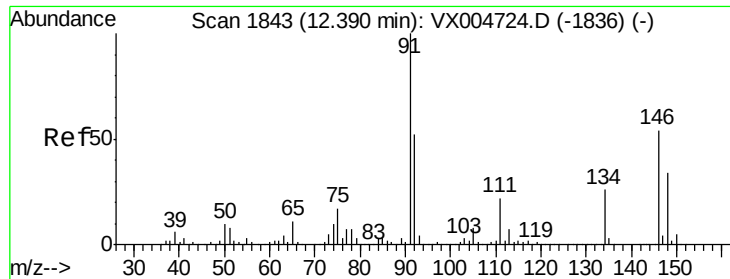
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#88
 1,4-Dichlorobenzene
 Concen: 19.657 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	64.8	32.0	96.0





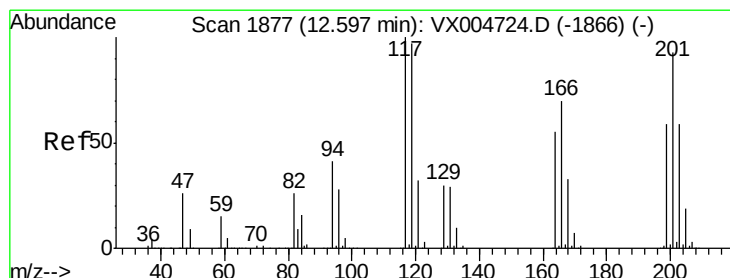
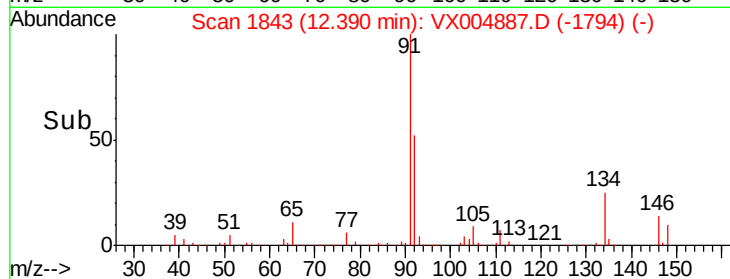
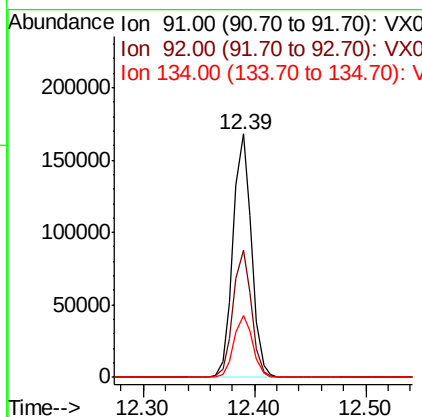
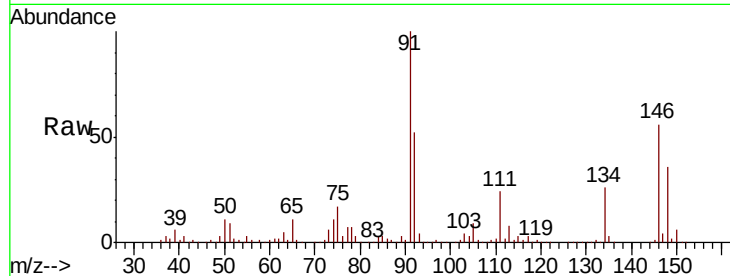
#89
n-Butylbenzene
Concen: 19.820 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	192855		
92	51.9	27.3	81.9	
134	25.7	13.6	40.7	

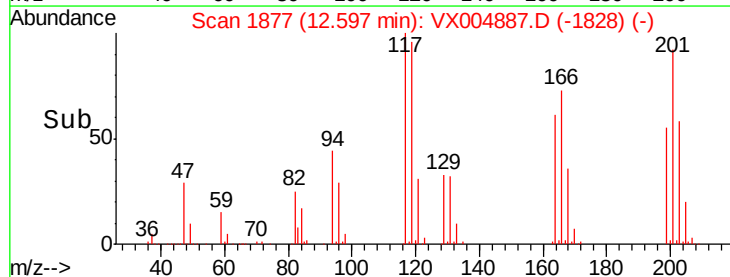
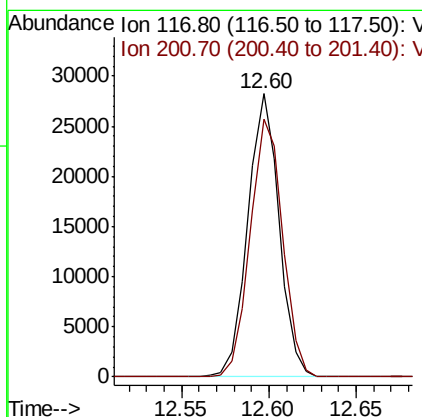
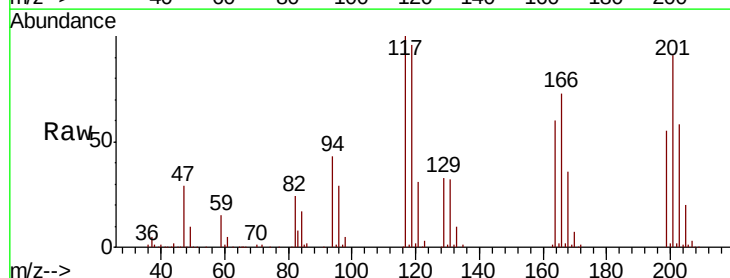
Manual Integrations
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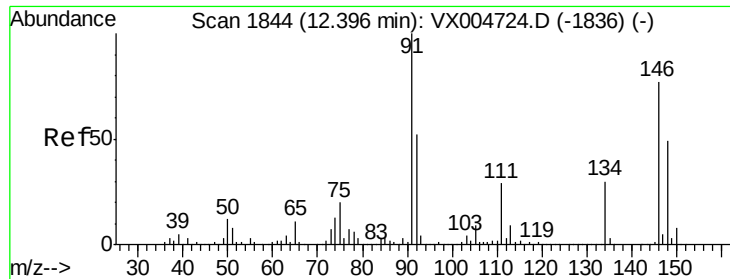
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#90
Hexachloroethane
Concen: 19.608 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34979		
201	94.7	46.9	140.6	





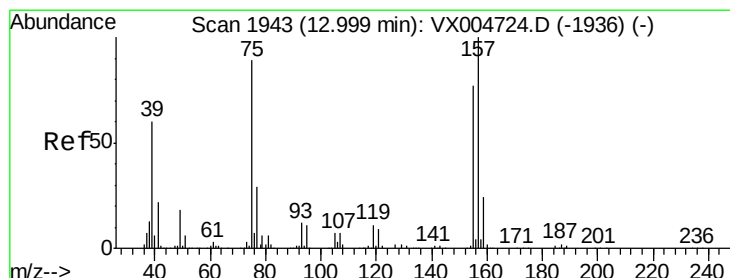
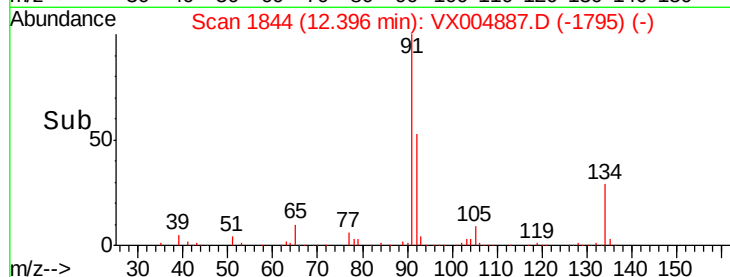
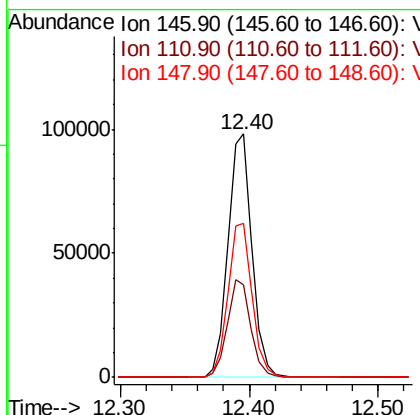
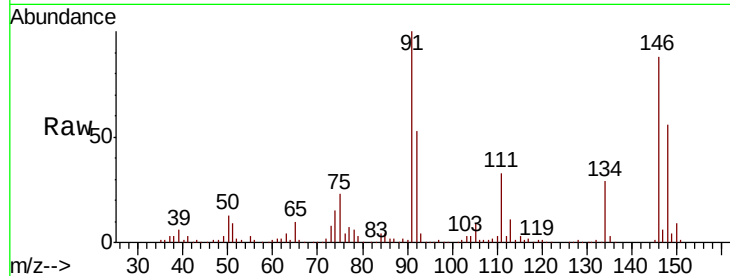
#91
 1,2-Dichlorobenzene
 Concen: 19.166 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Instrument :
 MSVOA_X
 ClientSampled :
 VX1001WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.1
148	63.9	32.8	98.3

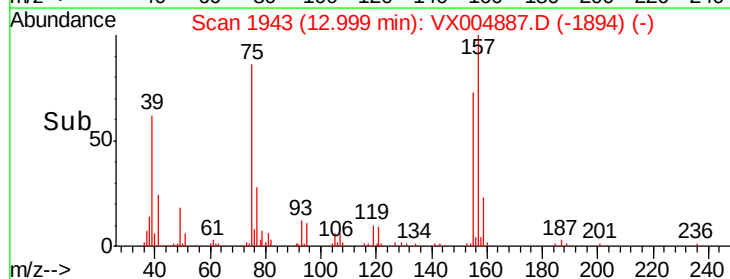
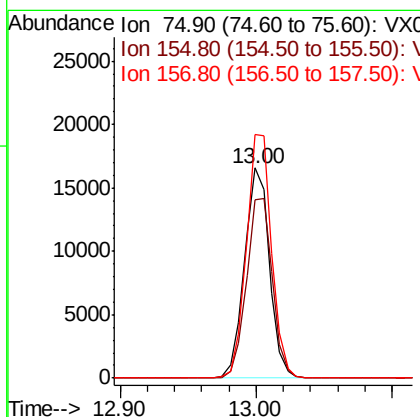
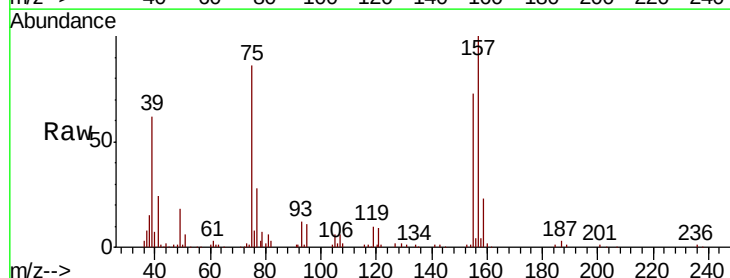
Manual Integrations
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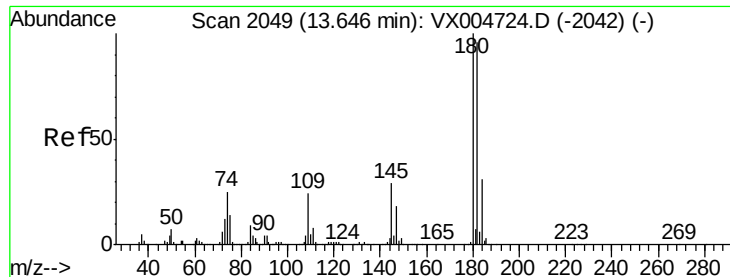
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.235 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004887.D
 Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	48.0	144.2
157	116.4	61.4	184.1





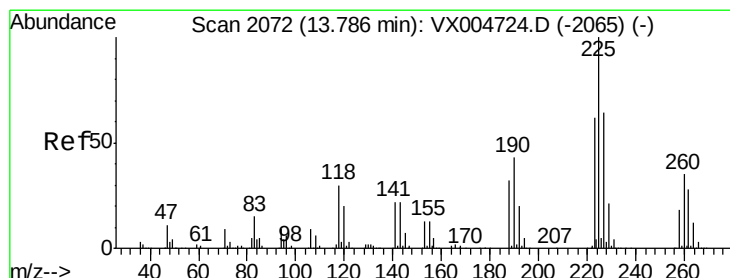
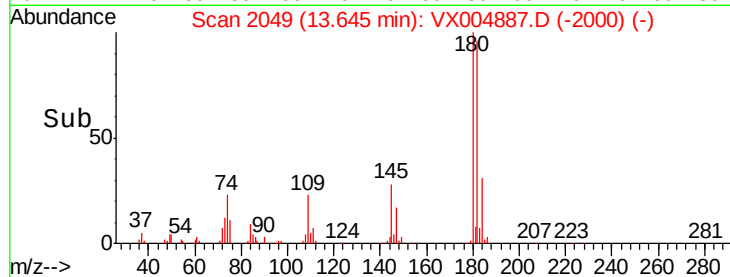
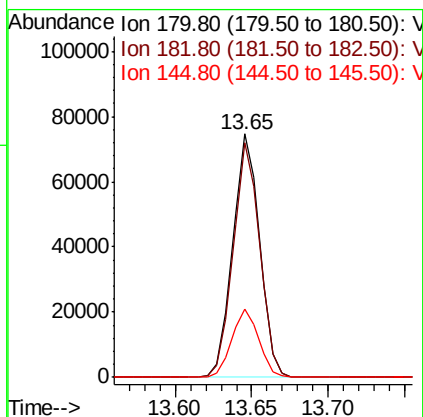
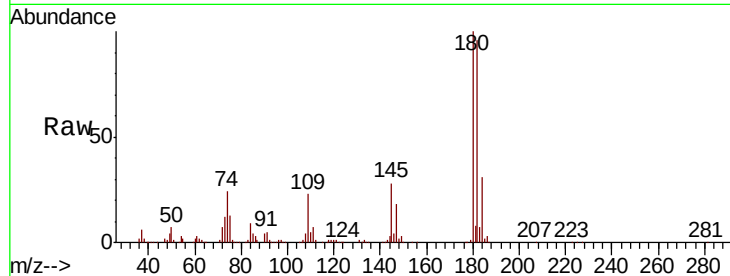
#93
1,2,4-Trichlorobenzene
Concen: 19.316 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	48.4	145.0	
145	28.1	14.3	42.9	

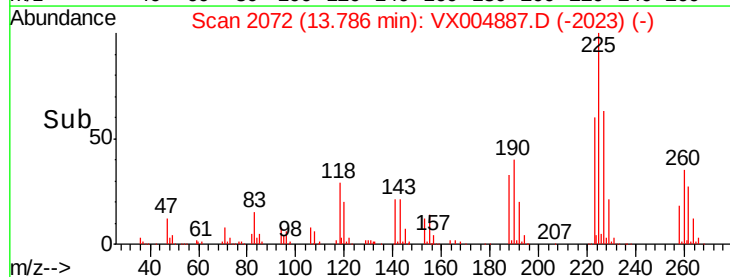
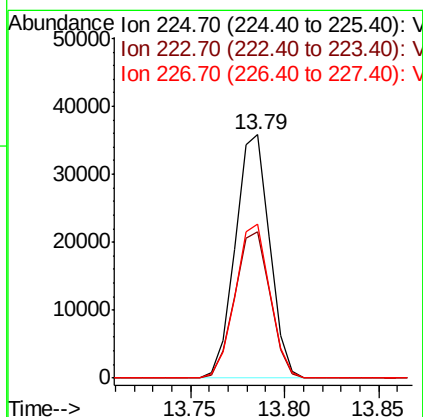
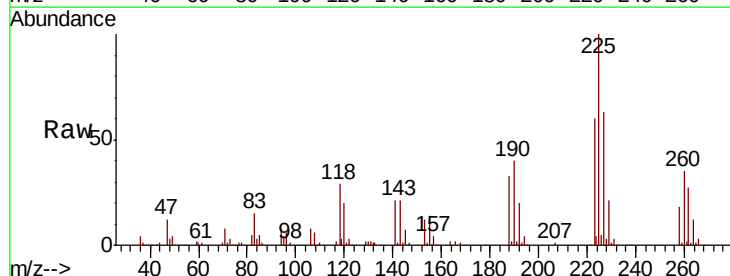
Manual Integrations
APPROVED

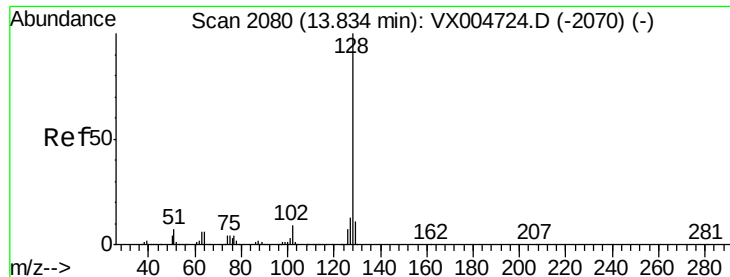
MMDadoda
10/4/2018 7:07:54 PM



#94
Hexachlorobutadiene
Concen: 18.643 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	30.1	90.5	
227	63.7	30.8	92.4	





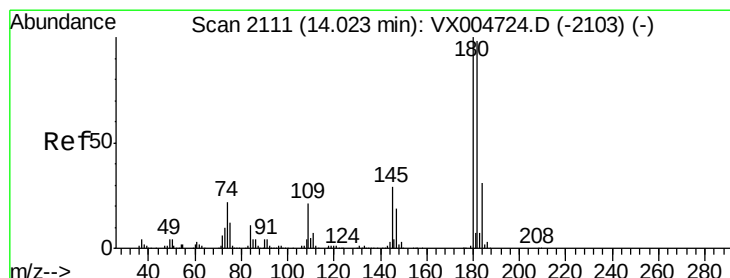
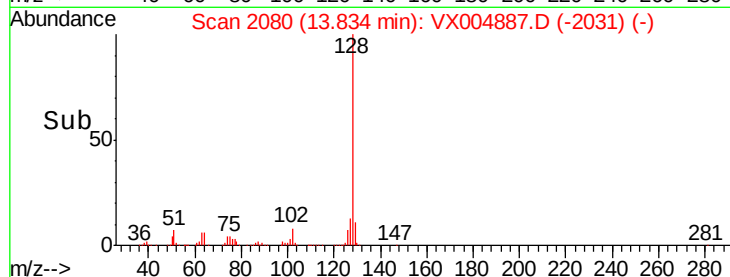
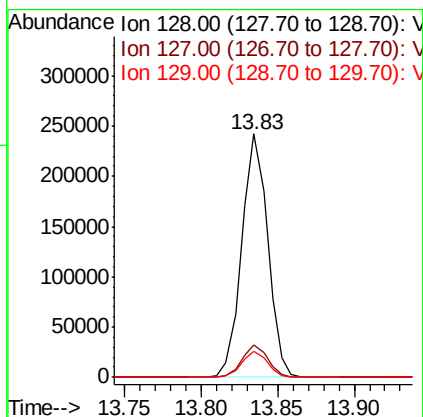
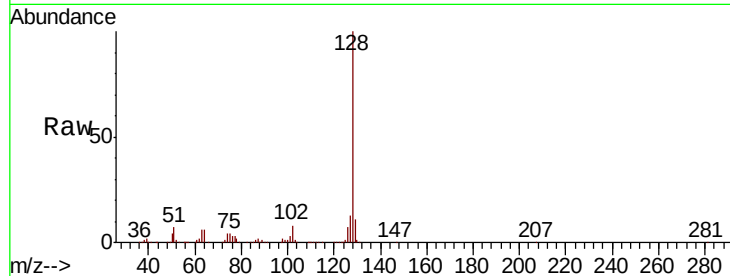
#95
Naphthalene
Concen: 18.817 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/4/2018 7:07:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.727 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX004887.D
Acq: 01 Oct 2018 23:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.5	145.6
145	29.7	14.9	44.9

