

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004817.D
 Acq On : 28 Sep 2018 13:25
 Operator : JC/MD
 Sample : VX0928WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:31:27 PM

Quant Time: Sep 29 06:43:54 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	260671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180270	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	5.50	113	144582	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
50) Toluene-d8	8.72	98	559858	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.14	95	207261	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	78570	22.106	ug/l	98
3) Chloromethane	1.32	50	82085	19.036	ug/l	99
4) Vinyl Chloride	1.40	62	82486	20.396	ug/l	98
5) Bromomethane	1.64	94	37926	15.814	ug/l	98
6) Chloroethane	1.72	64	47818	20.314	ug/l	98
7) Trichlorofluoromethane	1.93	101	106343	21.240	ug/l	96
8) Diethyl Ether	2.19	74	41958	19.290	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	60928	21.363	ug/l	98
10) Methyl Iodide	2.51	142	43684	11.446	ug/l	99
11) Tert butyl alcohol	3.07	59	104815	100.670	ug/l	98
12) 1,1-Dichloroethene	2.37	96	56958	20.166	ug/l	96
13) Acrolein	2.29	56	52551	70.939	ug/l	97
14) Allyl chloride	2.73	41	123964	20.115	ug/l	96
15) Acrylonitrile	3.15	53	217299	94.806	ug/l	98
16) Acetone	2.45	43	212619	97.803	ug/l	97
17) Carbon Disulfide	2.57	76	157164	18.518	ug/l	98
18) Methyl Acetate	2.78	43	111699	20.280	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	205698	21.113	ug/l	96
20) Methylene Chloride	2.85	84	65708	20.289	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	61650	19.939	ug/l	98
22) Diisopropyl ether	3.87	45	211040	20.336	ug/l	95
23) Vinyl Acetate	3.82	43	919894	96.840	ug/l	95
24) 1,1-Dichloroethane	3.70	63	113795	18.383	ug/l	98
25) 2-Butanone	4.70	43	302881	94.518	ug/l	95
26) 2,2-Dichloropropane	4.59	77	87732	20.352	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	65859	19.067	ug/l	94
28) Bromochloromethane	5.02	49	52446	17.991	ug/l	90
29) Tetrahydrofuran	5.16	42	192973	96.889	ug/l	92
30) Chloroform	5.21	83	110272	18.848	ug/l	99
31) Cyclohexane	5.57	56	104109	21.974	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	92184	19.294	ug/l	99
36) 1,1-Dichloropropene	5.80	75	83956	18.876	ug/l	99
37) Ethyl Acetate	4.86	43	106052	17.963	ug/l	98
38) Carbon Tetrachloride	5.78	117	81125	17.351	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	100824	22.200	ug/l	97
40) Benzene	6.14	78	252040	18.100	ug/l	99
41) Methacrylonitrile	5.06	41	58844	17.972	ug/l	95
42) 1,2-Dichloroethane	6.20	62	88628	18.005	ug/l	97
43) Isopropyl Acetate	6.46	43	156547	18.371	ug/l	96
44) Trichloroethene	7.21	130	66885	19.539	ug/l	92
45) 1,2-Dichloropropane	7.52	63	69068	20.226	ug/l	98
46) Dibromomethane	7.66	93	42202	19.665	ug/l	98
47) Bromodichloromethane	7.90	83	78240	19.472	ug/l	99
48) Methyl methacrylate	7.77	41	82385	21.300	ug/l	93
49) 1,4-Dioxane	7.76	88	36486	379.699	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	555802	103.586	ug/l	94
52) Toluene	8.79	92	157890	20.635	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	87234	19.212	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	98891	20.794	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	64744	19.317	ug/l	96
56) Ethyl methacrylate	9.18	69	97174	19.706	ug/l	95
57) 1,3-Dichloropropane	9.37	76	109024	19.545	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	271671	102.956	ug/l	94
59) 2-Hexanone	9.50	43	437268	97.796	ug/l	93
60) Dibromochloromethane	9.59	129	60874	18.161	ug/l	99
61) 1,2-Dibromoethane	9.67	107	66284	18.467	ug/l	100
64) Tetrachloroethene	9.34	164	64759	18.267	ug/l	98
65) Chlorobenzene	10.14	112	176040	19.060	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	59734	18.396	ug/l	99
67) Ethyl Benzene	10.26	91	292239	19.929	ug/l	98
68) m/p-Xylenes	10.36	106	232082	40.502	ug/l	96
69) o-Xylene	10.70	106	109490	20.803	ug/l	96
70) Styrene	10.71	104	183781	20.011	ug/l	97
71) Bromoform	10.86	173	47196	16.978	ug/l	97
73) Isopropylbenzene	11.02	105	301361	21.771	ug/l	100
74) N-amyl acetate	10.90	43	136869	19.108	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	103377	18.346	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	93379m	18.971	ug/l	
77) Bromobenzene	11.26	156	80048	19.909	ug/l	97
78) n-propylbenzene	11.36	91	349344	21.996	ug/l	99
79) 2-Chlorotoluene	11.42	91	205746	20.783	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	253372	19.852	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	27004	16.356	ug/l	97
82) 4-Chlorotoluene	11.51	91	245946	21.107	ug/l	98
83) tert-Butylbenzene	11.77	119	247960	21.757	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	264498	20.097	ug/l	97
85) sec-Butylbenzene	11.94	105	305796	22.029	ug/l	98
86) p-Isopropyltoluene	12.07	119	276137	21.956	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	147323	19.623	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	150017	19.357	ug/l	98
89) n-Butylbenzene	12.39	91	244788	21.431	ug/l	97
90) Hexachloroethane	12.60	117	39990	19.097	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	147165	18.757	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22825	18.449	ug/l	95

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Instrument :
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ClientSampleId :
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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)
93) 1,2,4-Trichlorobenzene	13.65	180	108986	19.802	ug/l	100
94) Hexachlorobutadiene	13.79	225	56129	19.667	ug/l	96
95) Naphthalene	13.83	128	338202	18.967	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	114466	20.133	ug/l	98

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

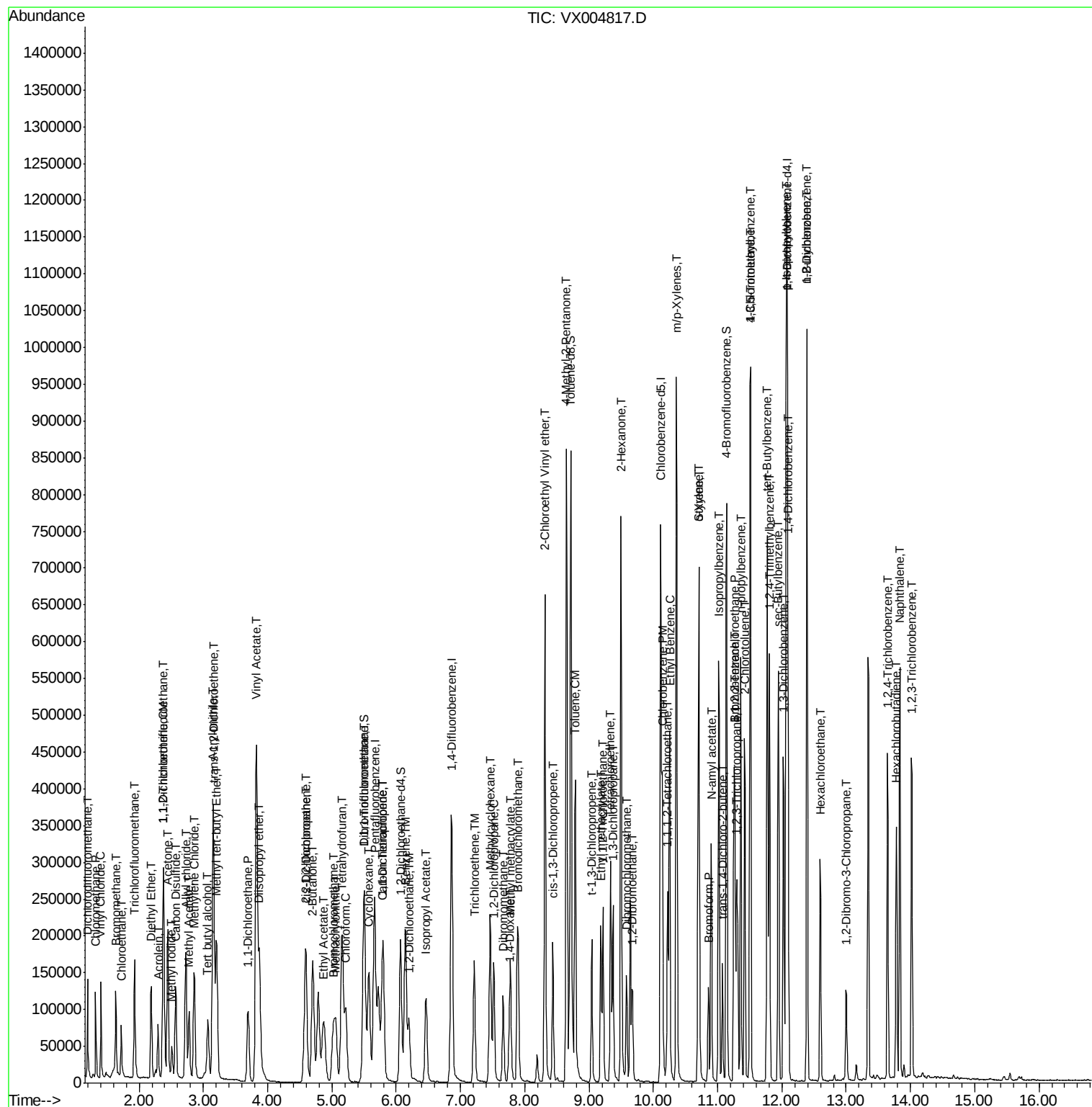
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 Data File : VX004817.D
 Acq On : 28 Sep 2018 13:25
 Operator : JC/MD
 Sample : VX0928WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

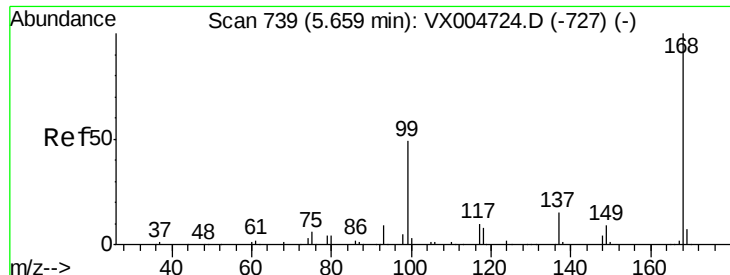
Instrument :
 MSVOA_X
 Client Sample ID :
 VX0928WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS01

Tot Ion:168 Resp: 260671

Ion Ratio Lower Upper

168 100

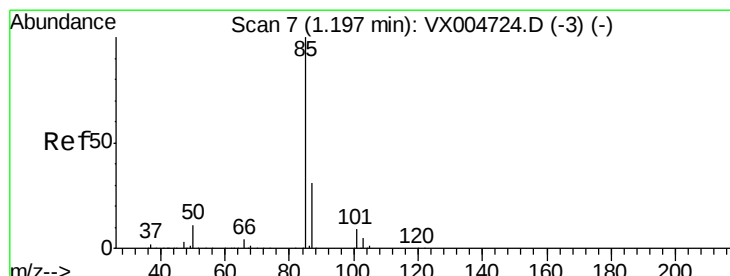
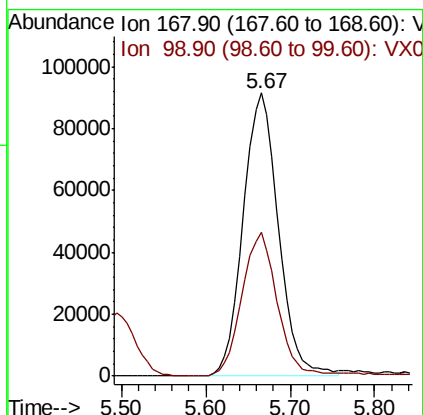
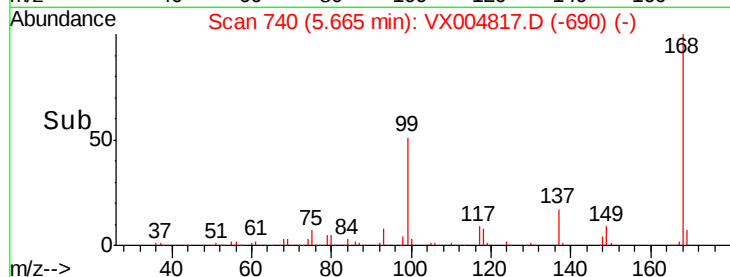
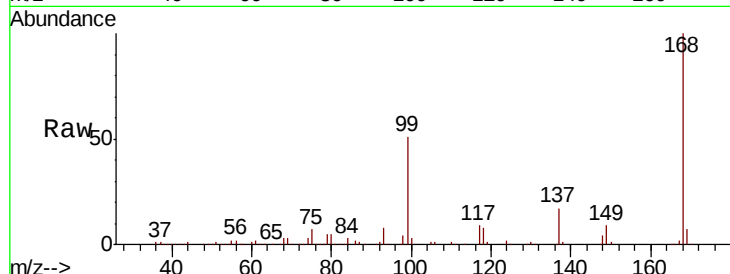
99 50.6 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.106 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004817.D

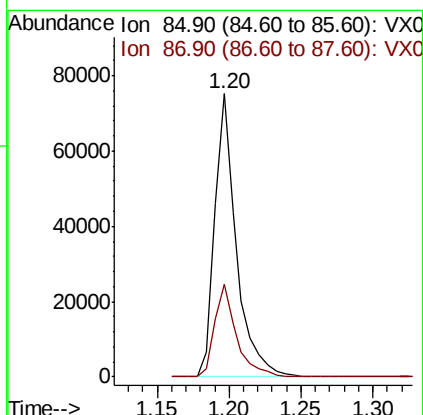
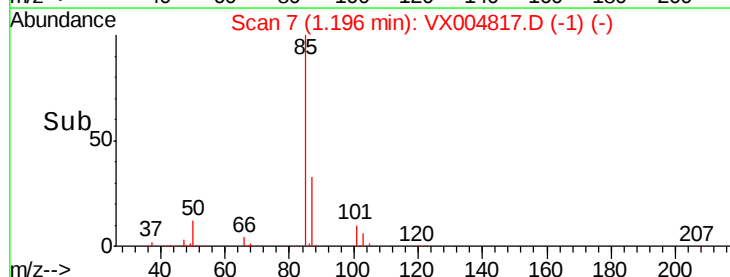
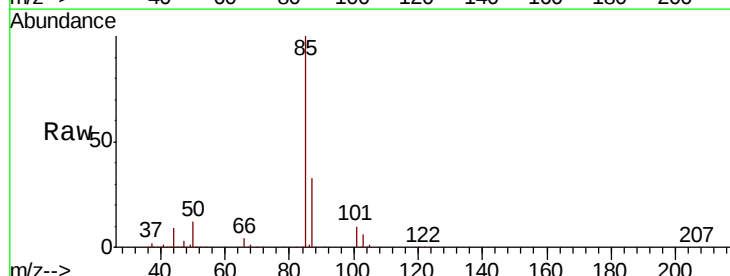
Acq: 28 Sep 2018 13:25

Tgt Ion: 85 Resp: 78570

Ion Ratio Lower Upper

85 100

87 32.8 17.0 50.9





#3

Chloromethane

Concen: 19.036 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion: 50 Resp: 82085

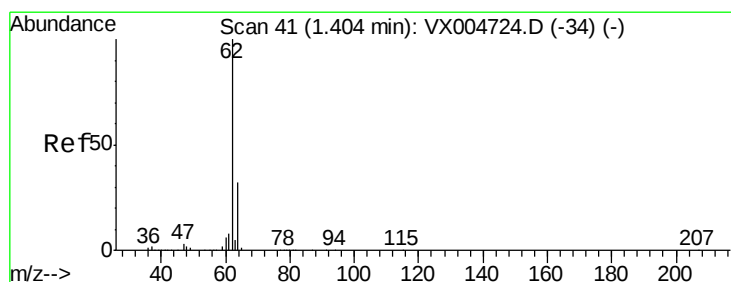
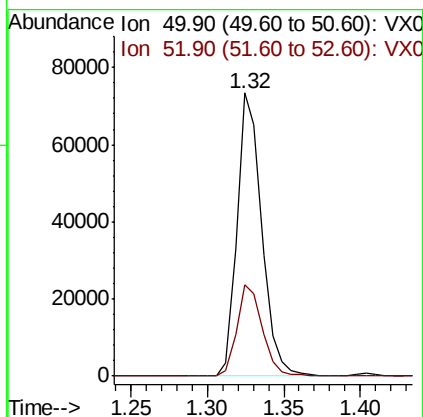
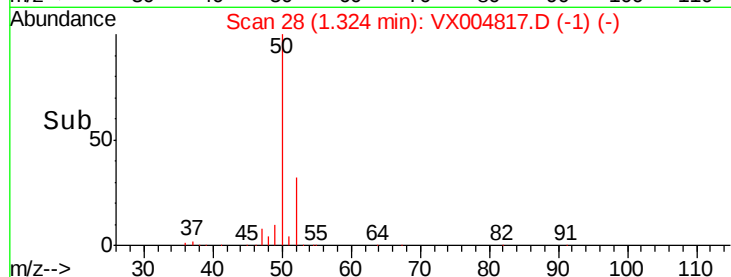
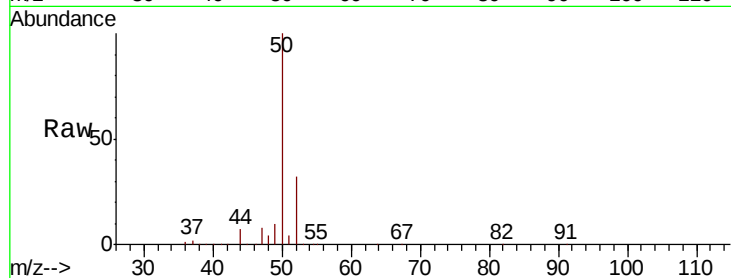
Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.396 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004817.D

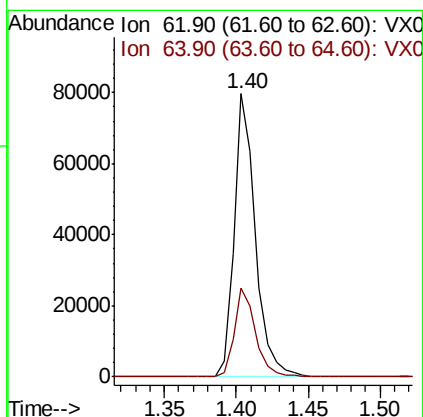
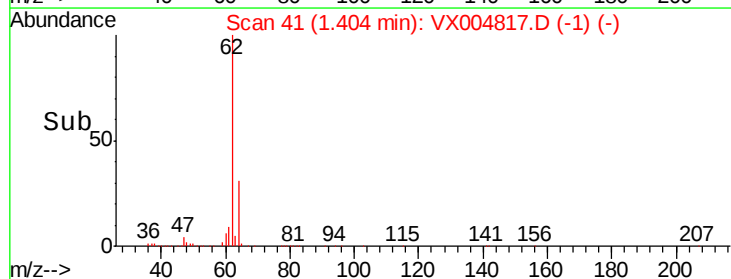
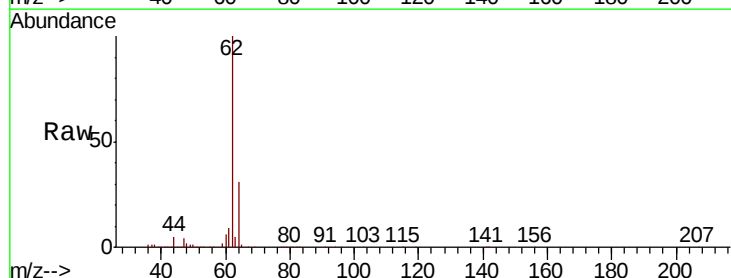
Acq: 28 Sep 2018 13:25

Tgt Ion: 62 Resp: 82486

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8





#5

Bromomethane

Concen: 15.814 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion: 94 Resp: 37926

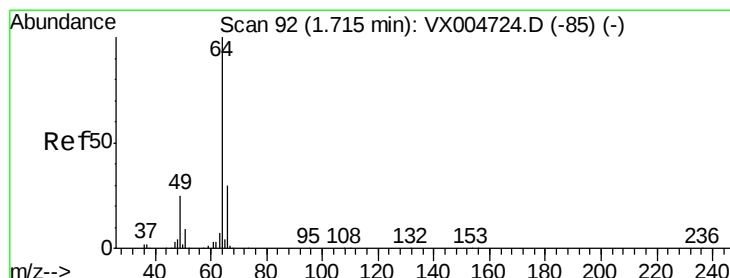
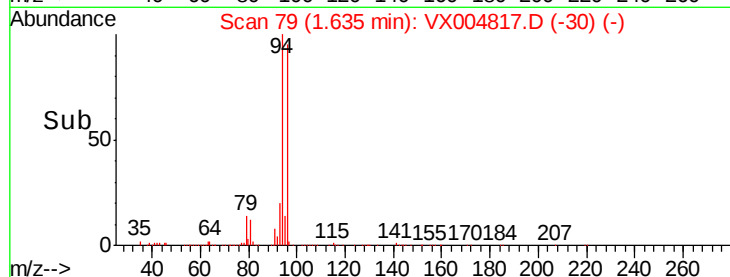
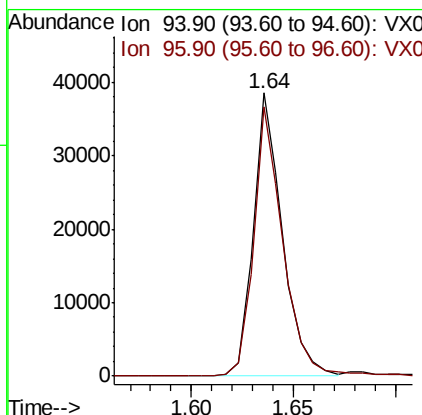
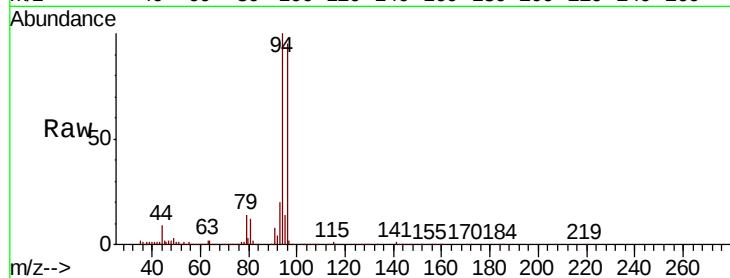
Ion Ratio Lower Upper

94 100

96 94.9 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 20.314 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004817.D

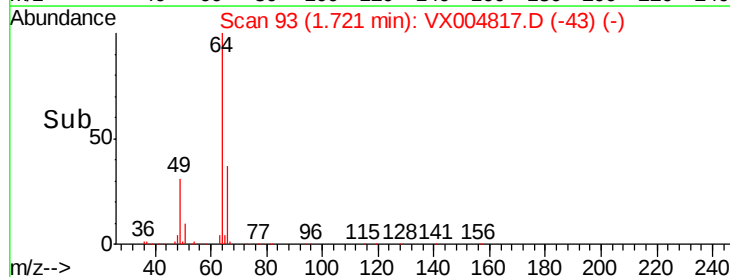
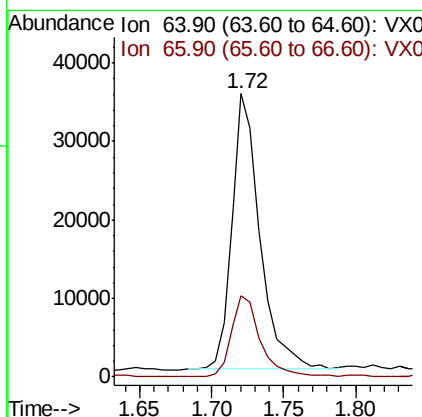
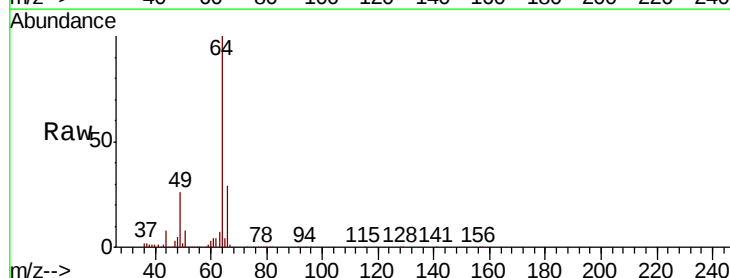
Acq: 28 Sep 2018 13:25

Tgt Ion: 64 Resp: 47818

Ion Ratio Lower Upper

64 100

66 29.4 24.6 36.8





#7

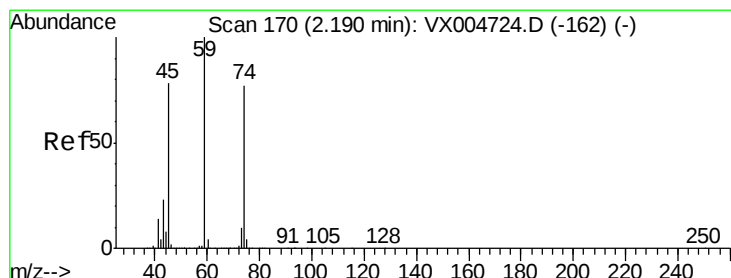
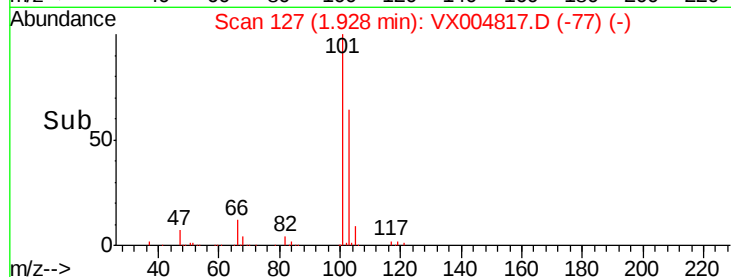
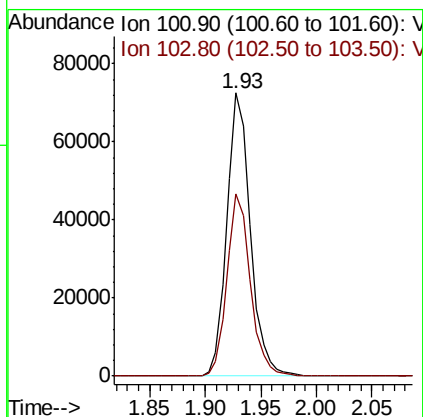
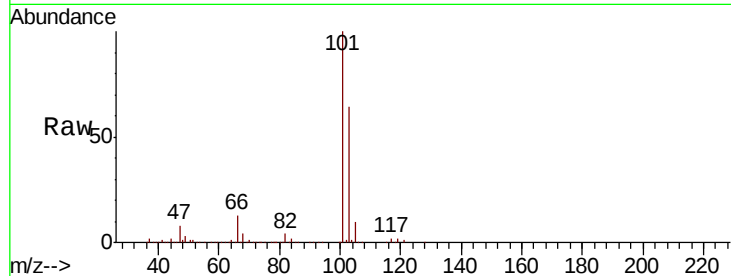
Trichlorofluoromethane
Concen: 21.240 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106343		
103	64.4	48.9	73.3	

Manual Integrations
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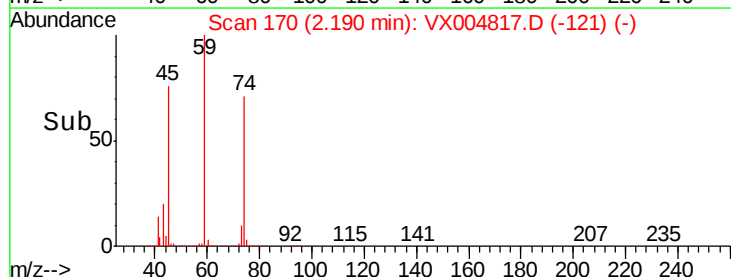
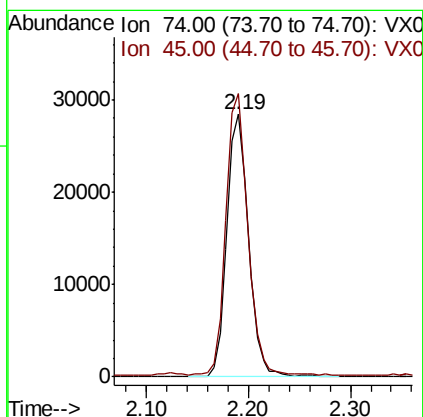
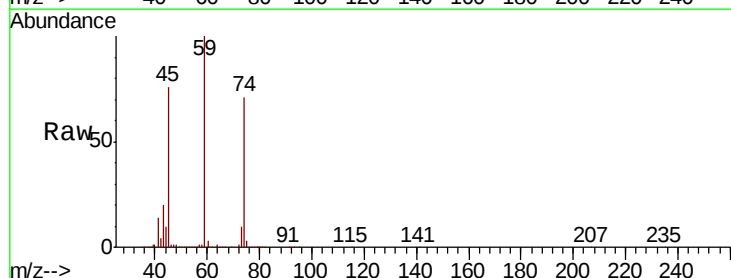
MMDadoda
10/1/2018 1:31:27 PM



#8

Diethyl Ether
Concen: 19.290 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41958		
45	107.5	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.363 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

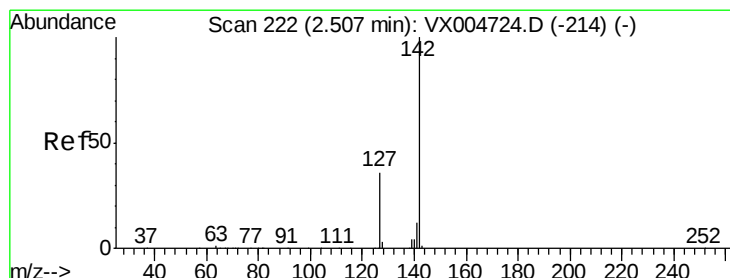
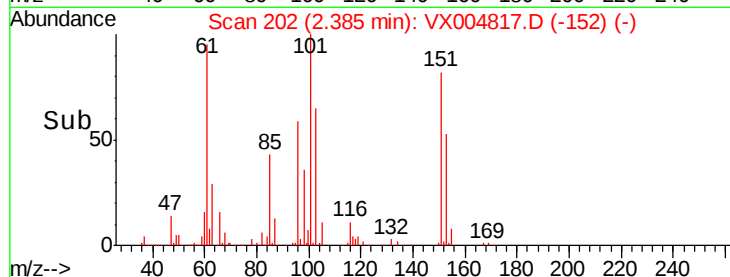
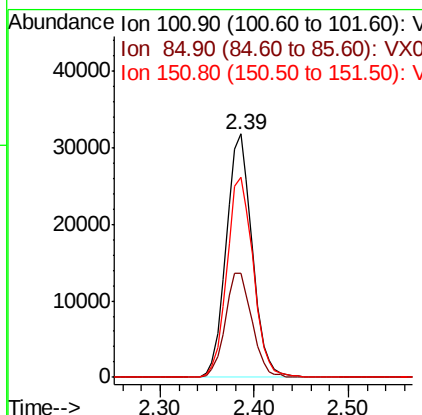
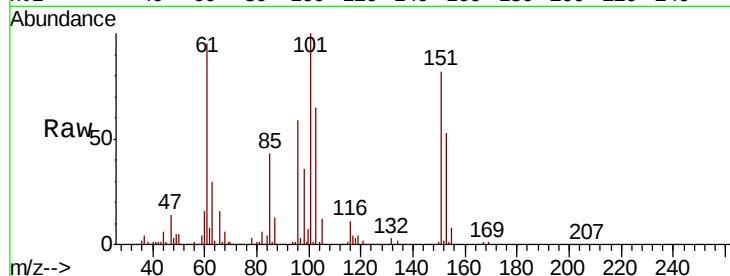
ClientSampleId :

VX0928WBS01

Tot Ion:	101	Resp:	60928
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	83.7	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 11.446 ug/l

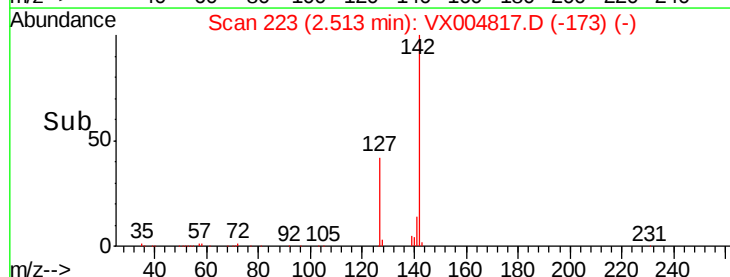
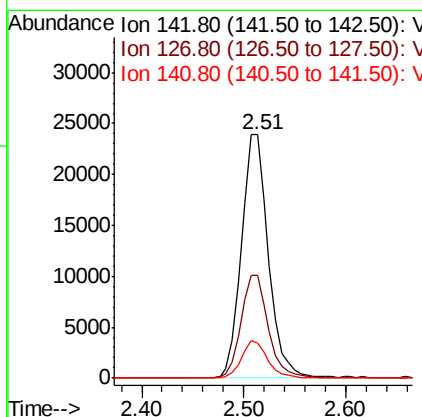
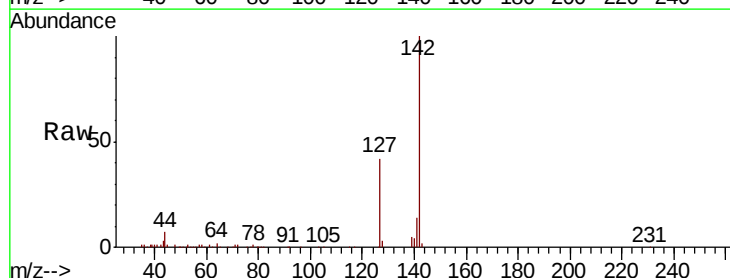
RT: 2.51 min Scan# 223

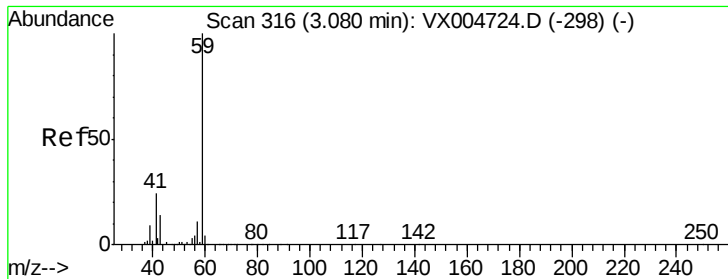
Delta R.T. 0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Tgt Ion:	142	Resp:	43684
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.8	50.6
141	15.2	11.4	17.0





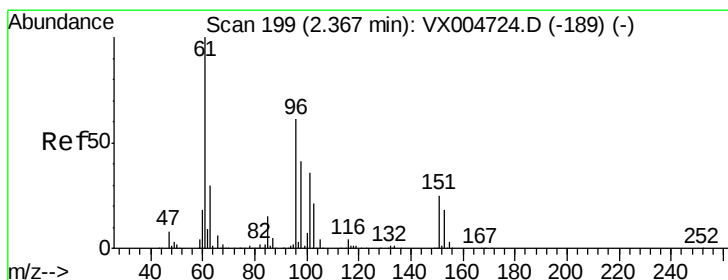
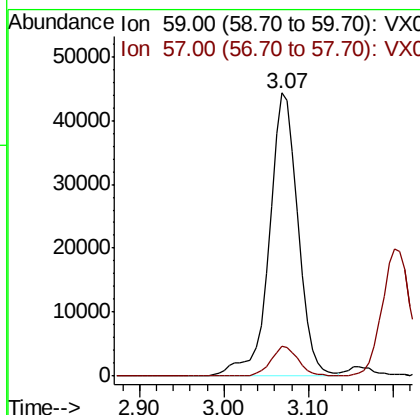
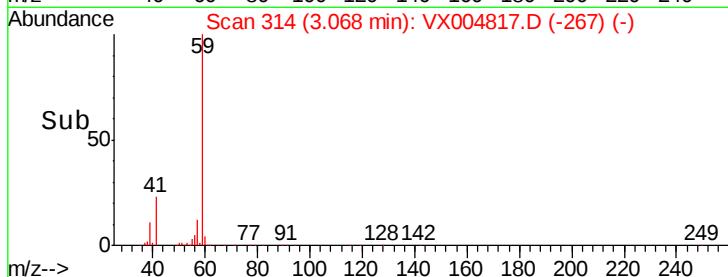
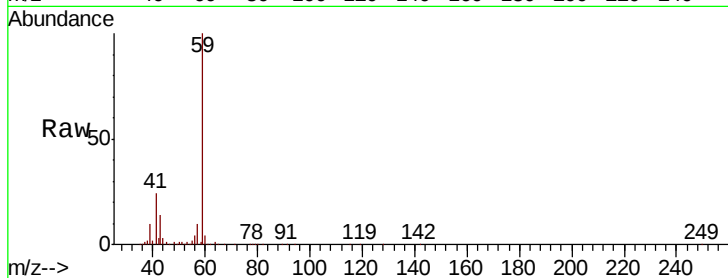
#11
Tert butyl alcohol
Concen: 100.670 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampled :
VX0928WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

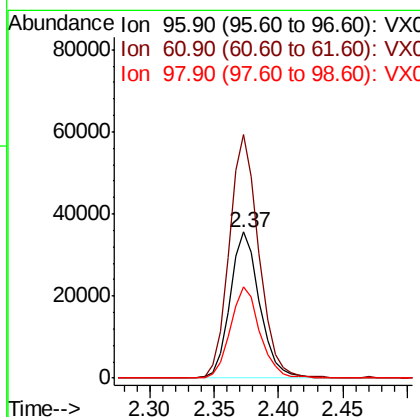
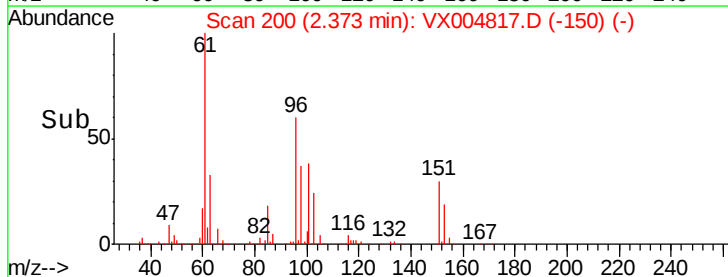
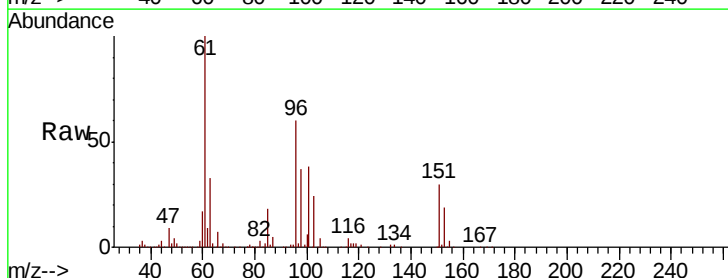
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#12
1,1-Dichloroethene
Concen: 20.166 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	128.8	193.2
98	62.3	52.2	78.2





#13

Acrolein

Concen: 70.939 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion: 56 Resp: 52551

Ion Ratio Lower Upper

56 100

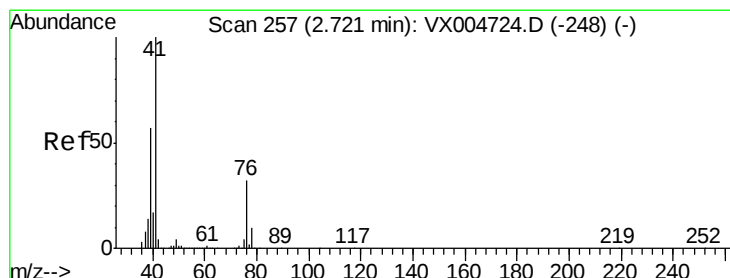
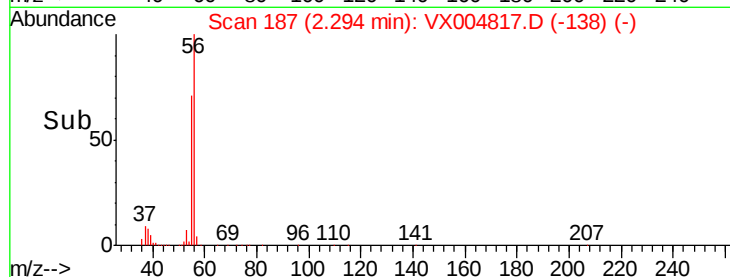
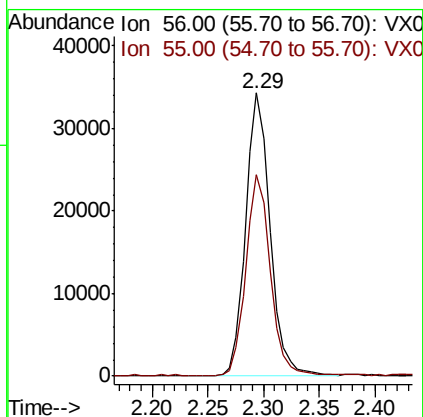
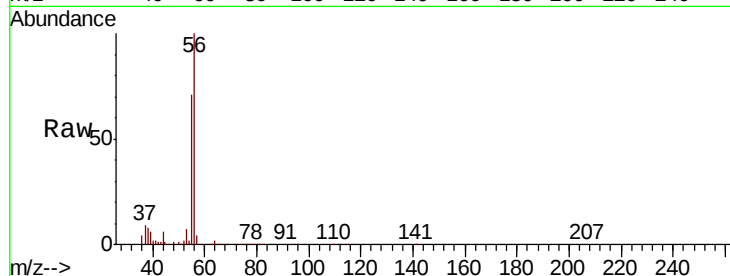
55 70.6 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.115 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

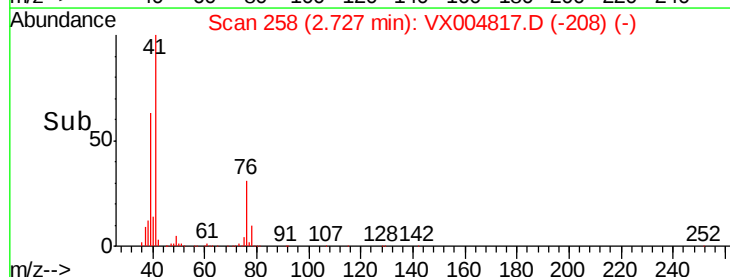
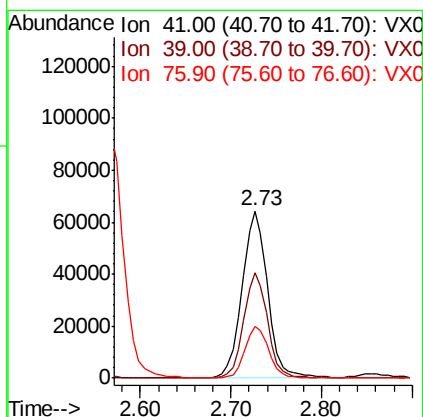
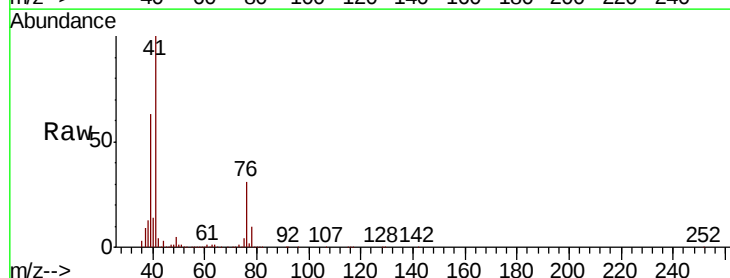
Tgt Ion: 41 Resp: 123964

Ion Ratio Lower Upper

41 100

39 59.0 48.9 73.3

76 29.2 26.7 40.1





#15

Acrylonitrile

Concen: 94.806 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

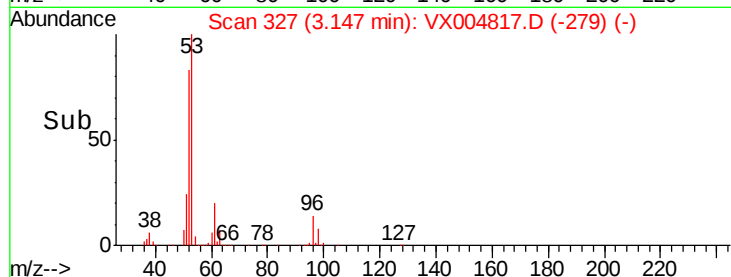
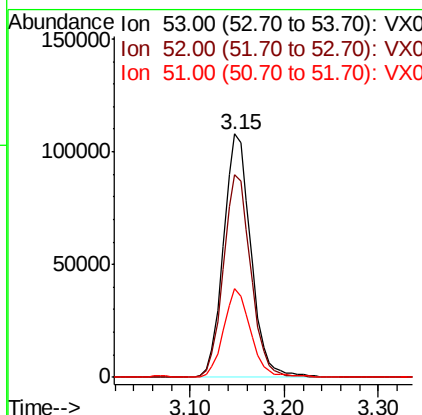
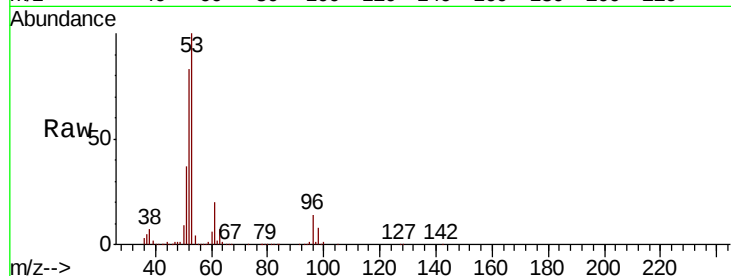
ClientSampled :

VX0928WBS01

Tot Ion:	53	Resp:	217299
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.2	97.8
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 97.803 ug/l

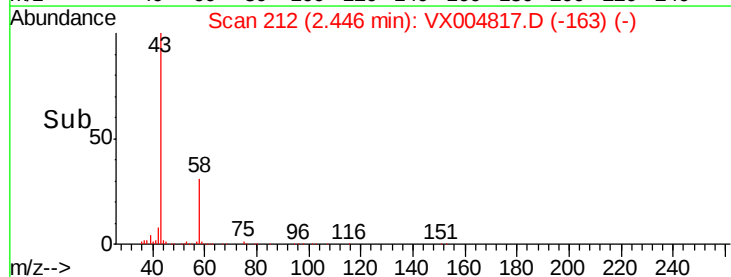
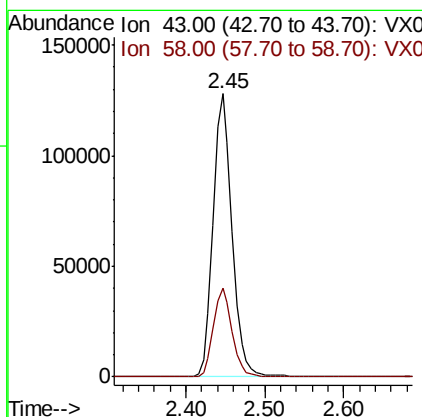
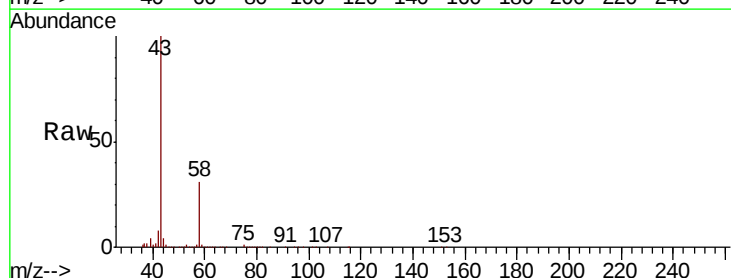
RT: 2.45 min Scan# 212

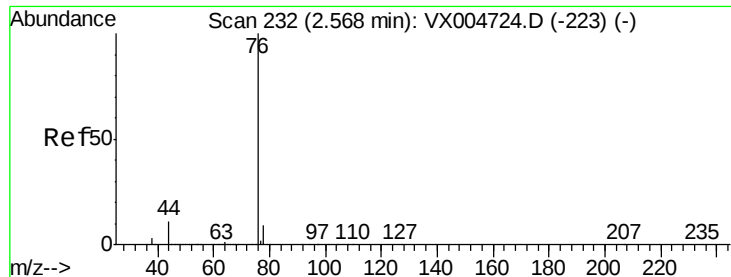
Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Tgt Ion:	43	Resp:	212619
Ion Ratio	Lower	Upper	
43	100		
58	31.4	26.2	39.4





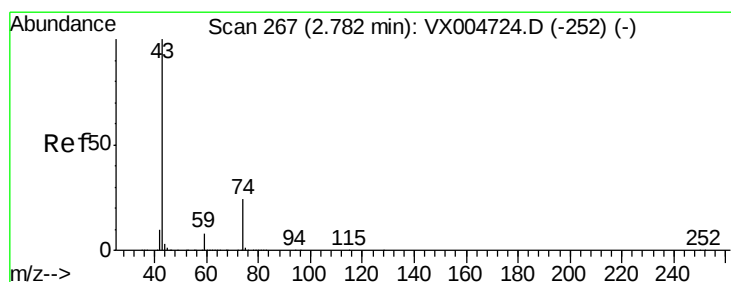
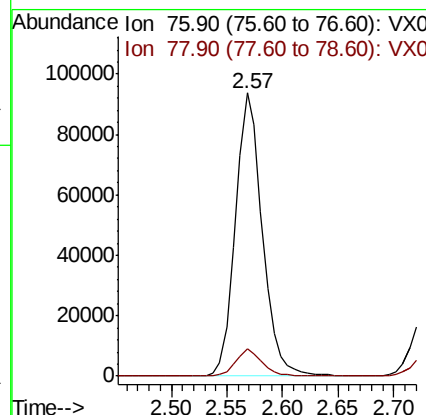
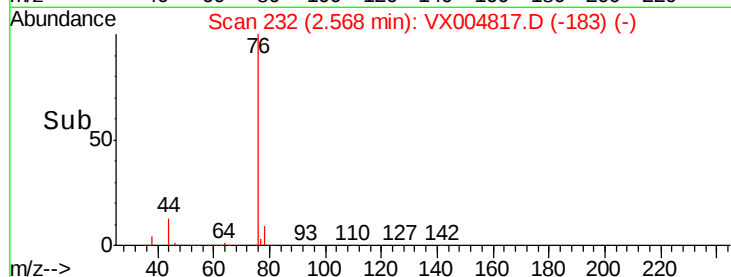
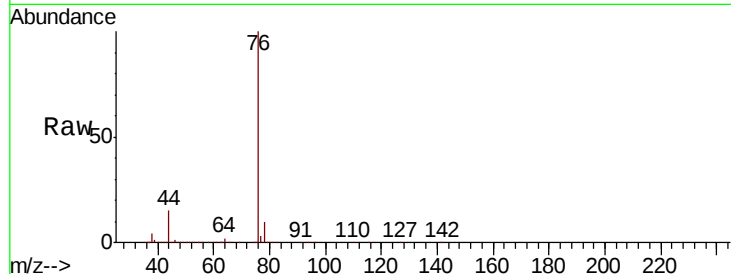
#17
Carbon Disulfide
Concen: 18.518 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampled :
VX0928WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

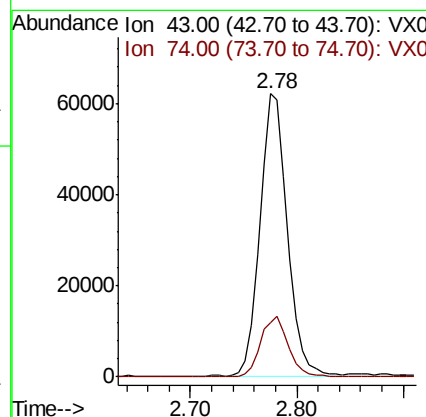
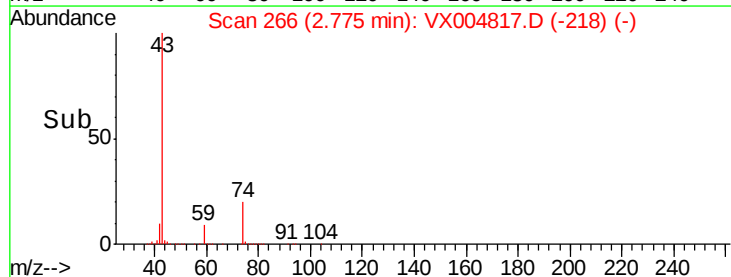
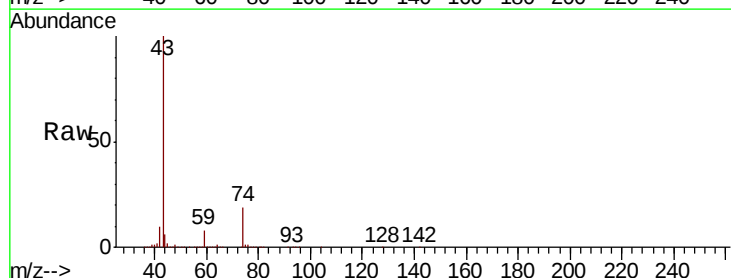
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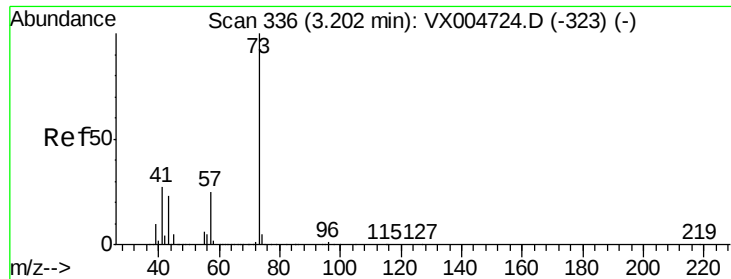
MMDadoda
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#18
Methyl Acetate
Concen: 20.280 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	19.4	29.2





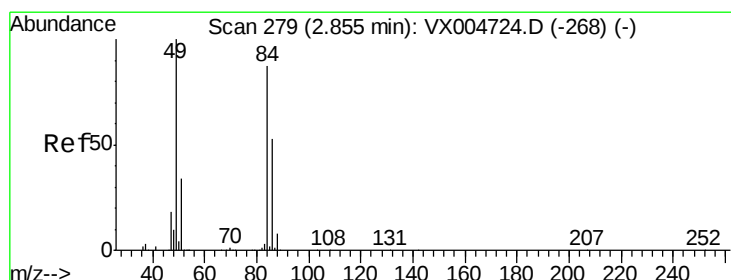
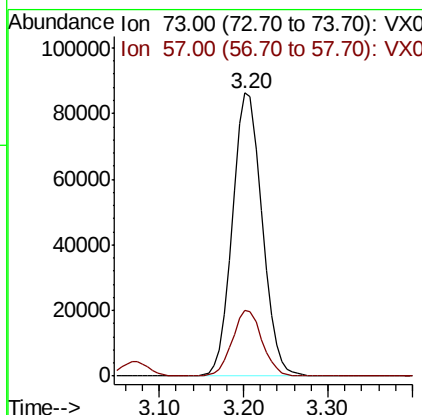
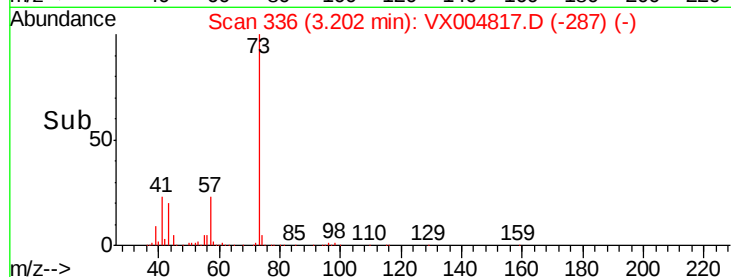
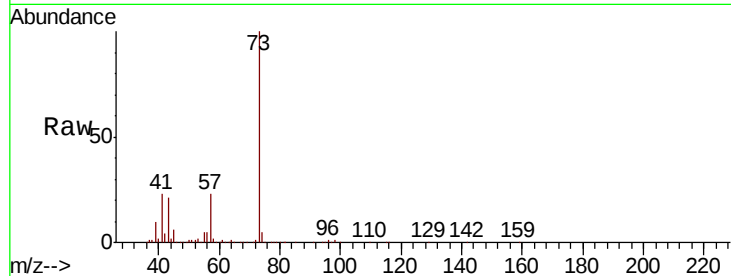
#19
Methvl tert-butvl Ether
Concen: 21.113 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.1	25.7

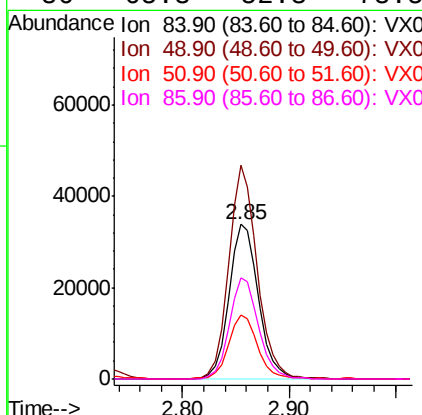
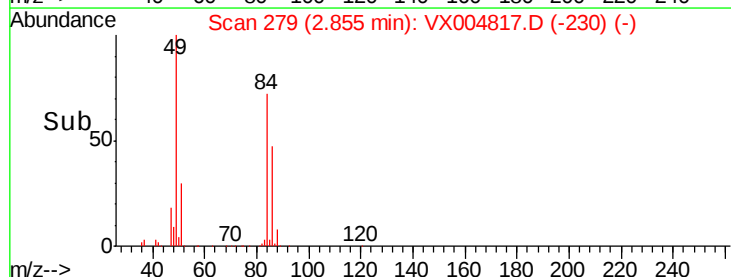
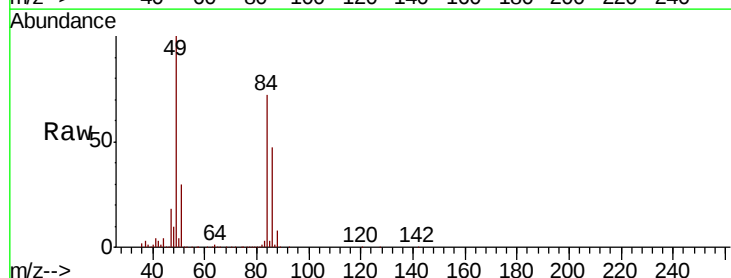
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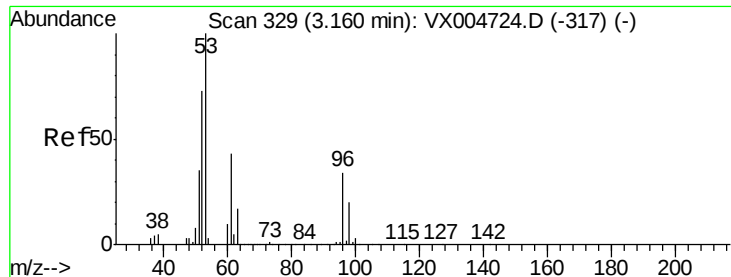
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#20
Methylene Chloride
Concen: 20.289 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.2	101.2	151.8
51	41.2	29.5	44.3
86	65.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.939 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

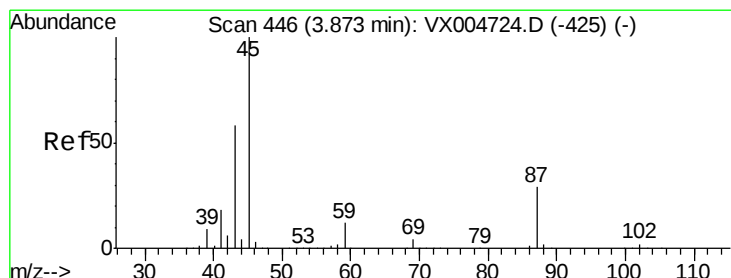
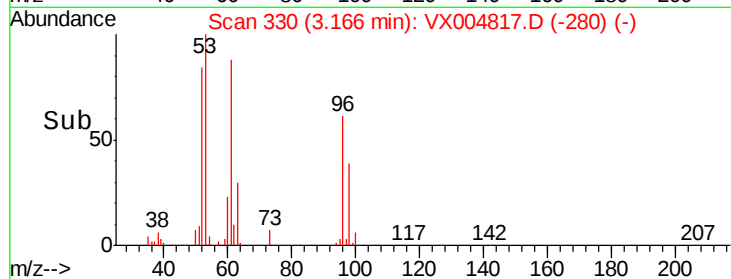
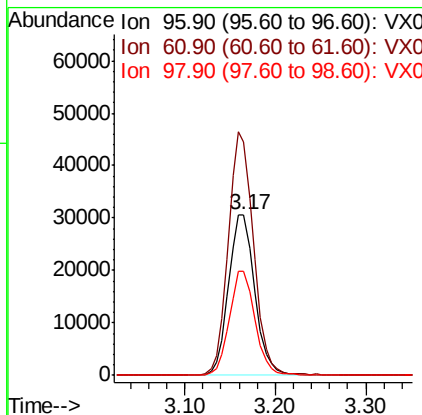
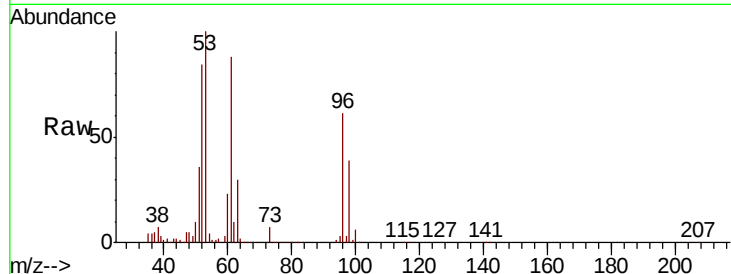
ClientSampleId :

VX0928WBS01

Tot Ion:	96	Resp:	61650
Ion	Ratio	Lower	Upper
96	100		
61	145.0	113.8	170.6
98	64.5	51.8	77.8

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#22

Diisopropyl ether

Concen: 20.336 ug/l

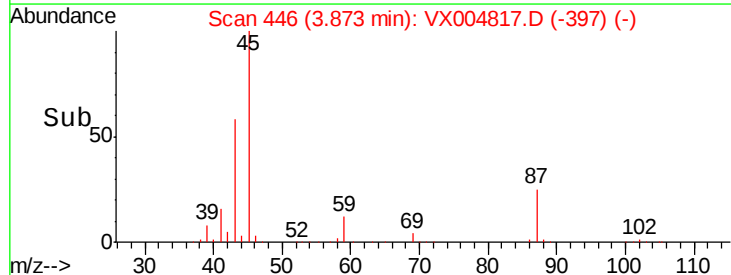
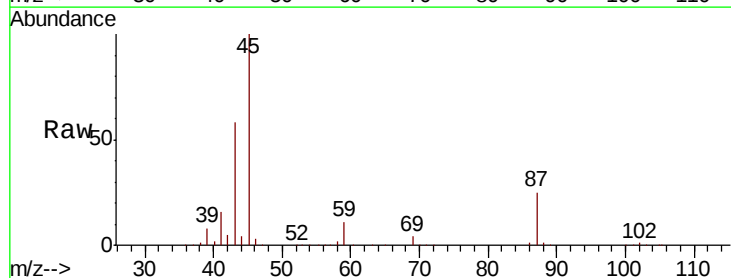
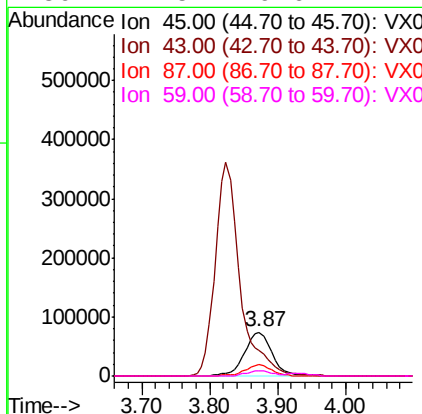
RT: 3.87 min Scan# 446

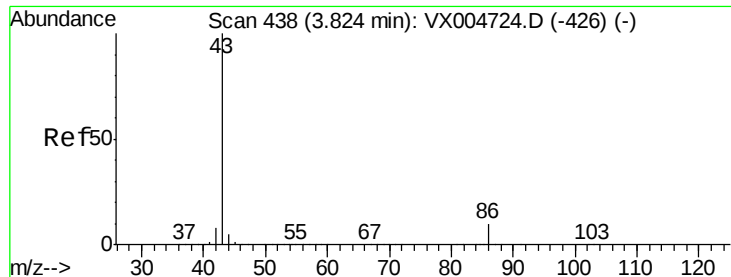
Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Tgt Ion:	45	Resp:	211040
Ion	Ratio	Lower	Upper
45	100		
43	57.1	42.8	64.2
87	24.9	22.6	34.0
59	11.5	9.6	14.4





#23

Vinyl Acetate

Concen: 96.840 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion: 43 Resp: 919894

Ion Ratio Lower Upper

43 100

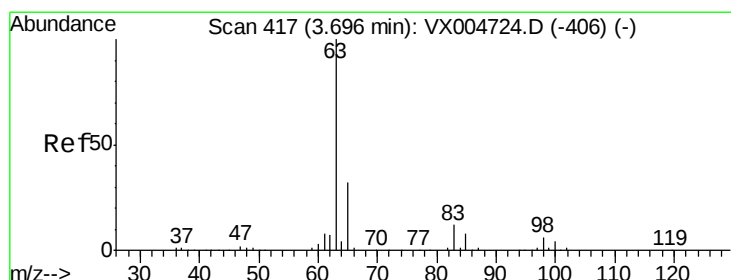
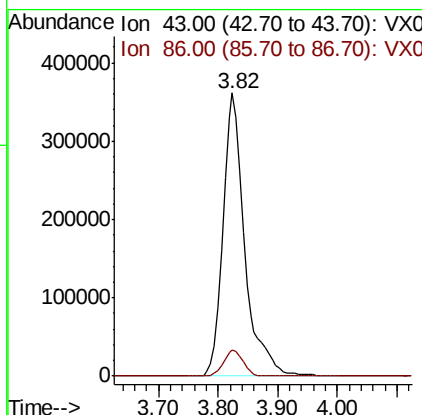
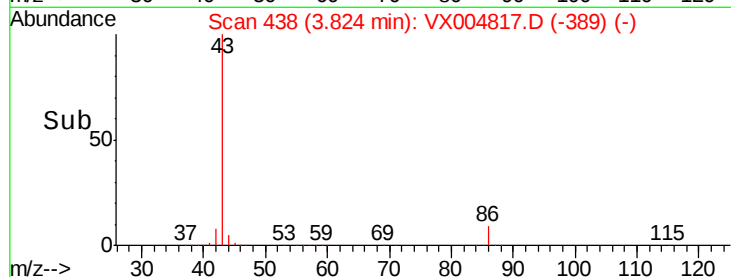
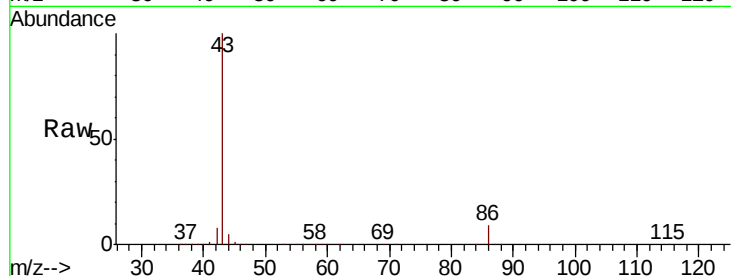
86 9.3 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 18.383 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

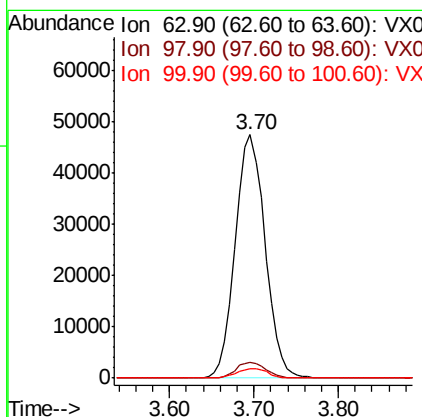
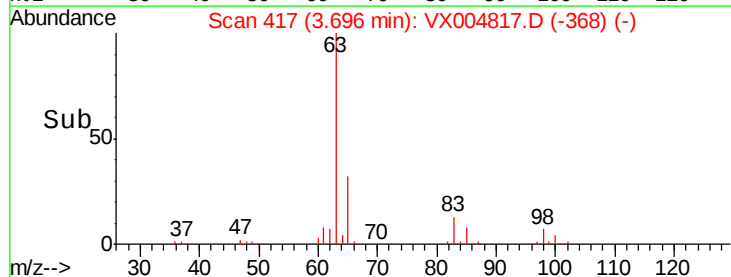
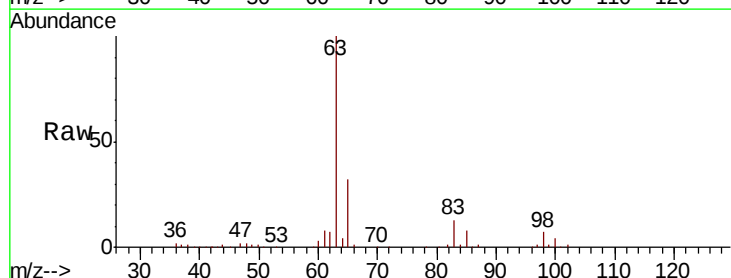
Tgt Ion: 63 Resp: 113795

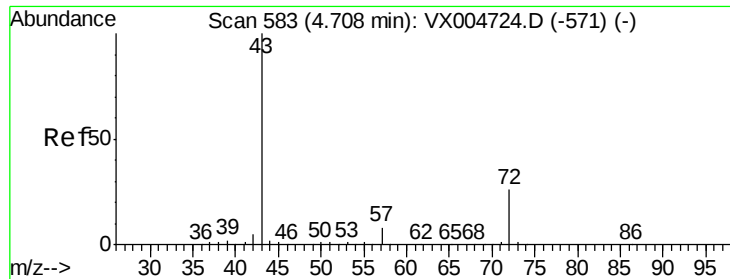
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 3.7 2.4 7.1





#25

2-Butanone

Concen: 94.518 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion: 43 Resp: 302881

Ion Ratio Lower Upper

43 100

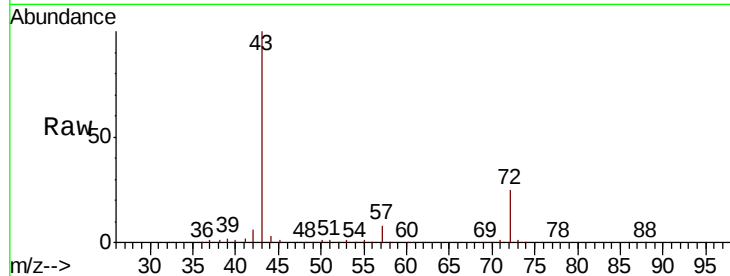
72 25.0 22.0 33.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

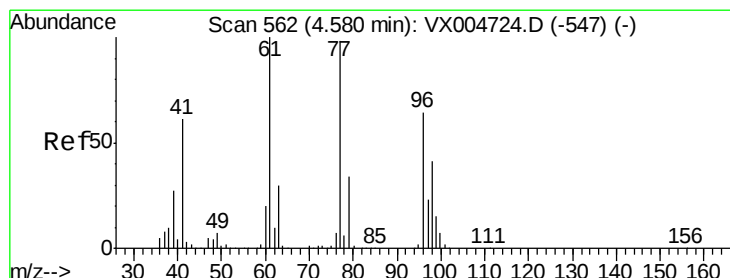
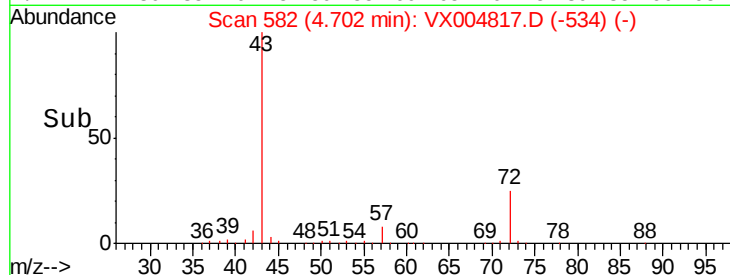
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.352 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004817.D

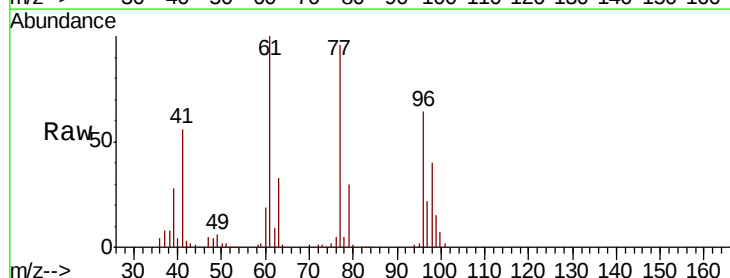
Acq: 28 Sep 2018 13:25

Tgt Ion: 77 Resp: 87732

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

10000

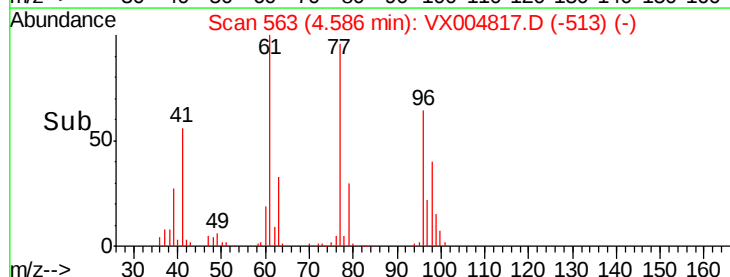
0

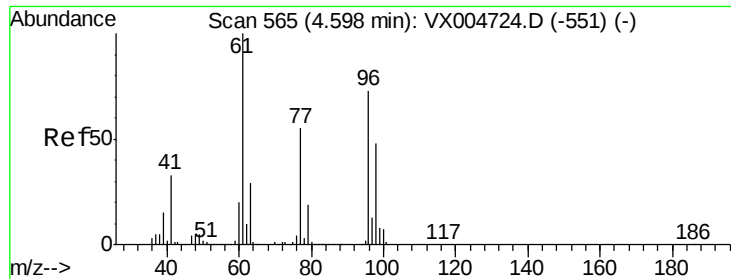
4.50

4.60

4.70

Time-->





#27

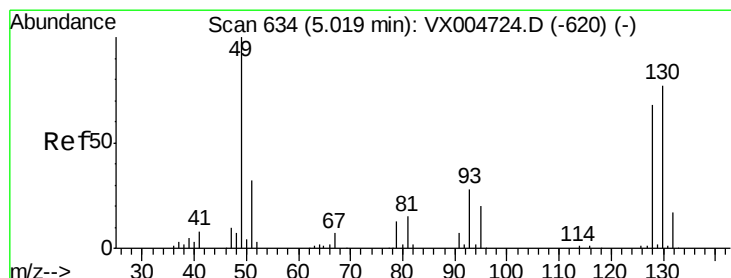
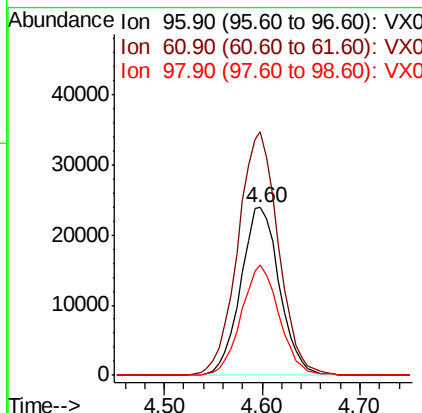
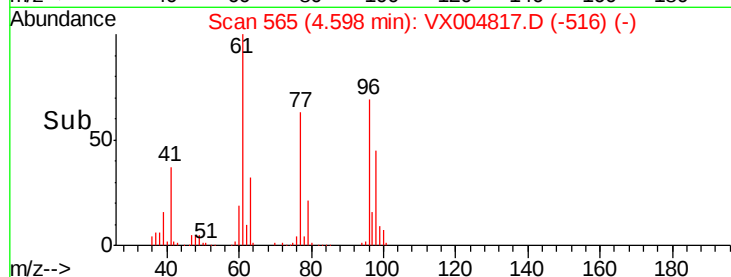
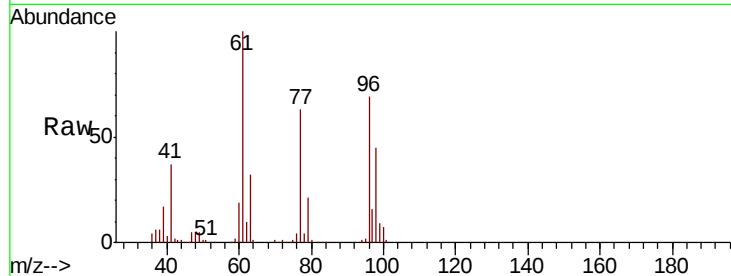
cis-1,2-Dichloroethene
Concen: 19.067 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	282.6
98	64.5	0.0	130.2

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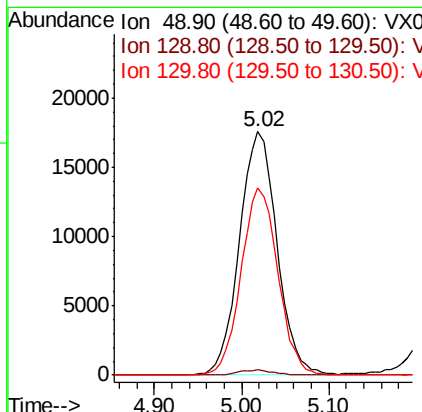
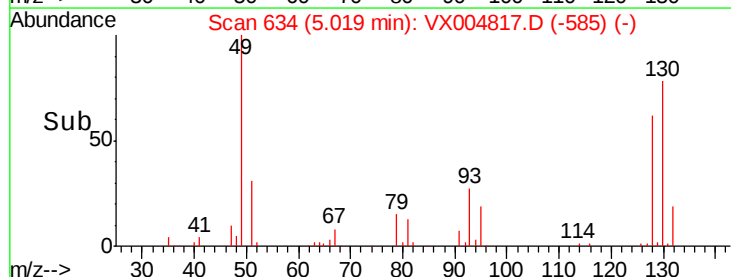
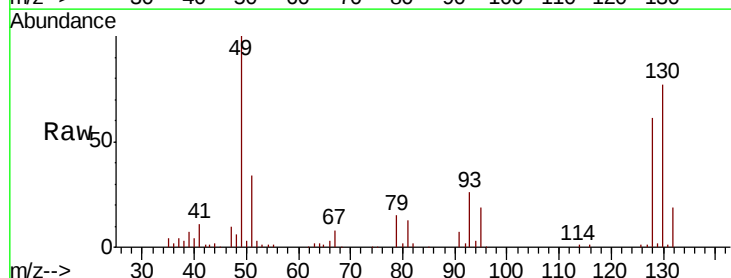
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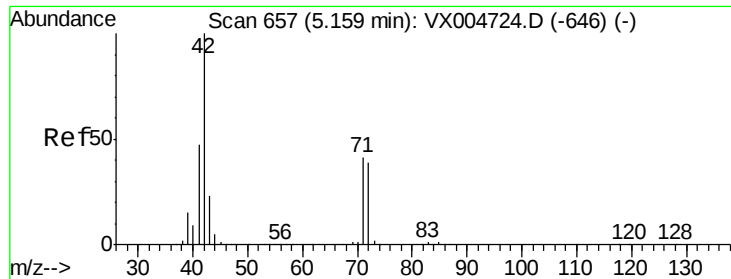


#28

Bromochloromethane
Concen: 17.991 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	75.2	67.5	101.3





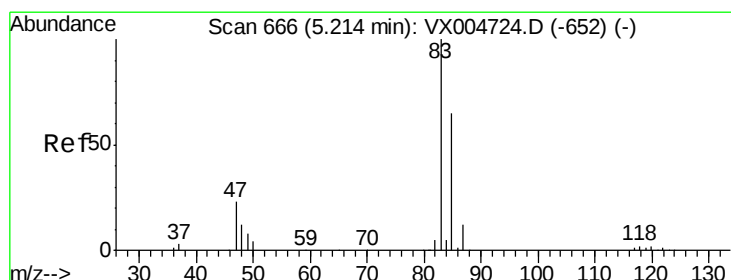
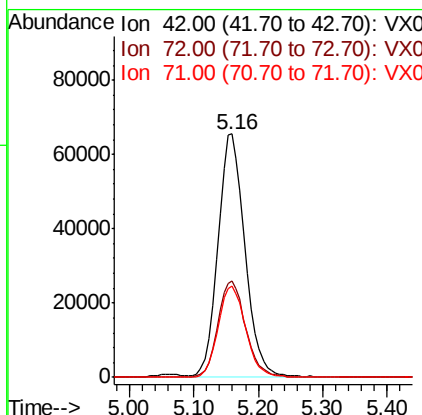
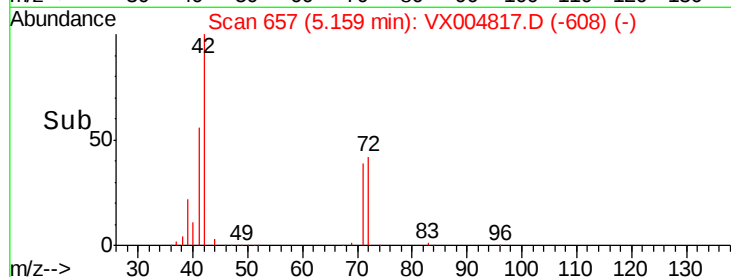
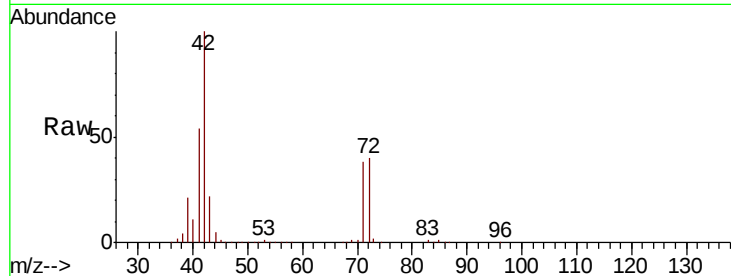
#29
Tetrahydrofuran
Concen: 96.889 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion:	42	Resp:	192973
Ion Ratio		Lower	Upper
42	100		
72	40.8	37.4	56.0
71	38.4	34.5	51.7

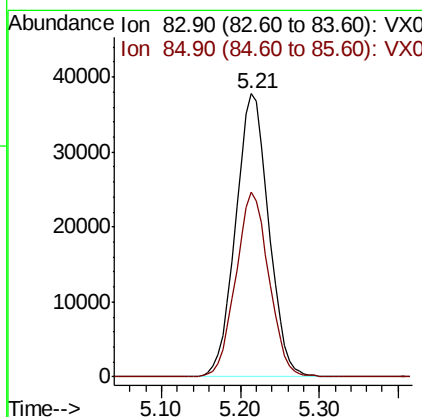
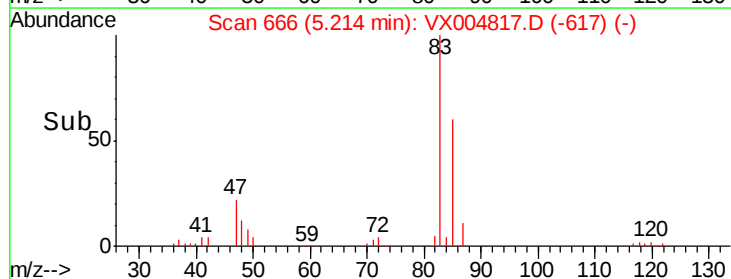
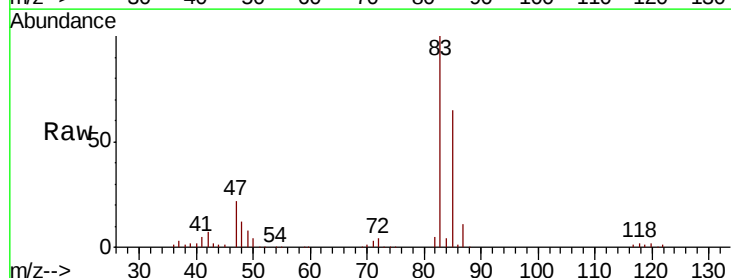
Manual Integrations
APPROVED

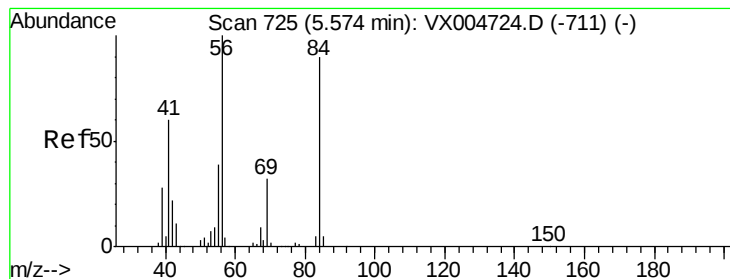
MMDadoda
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#30
Chloroform
Concen: 18.848 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion:	83	Resp:	110272
Ion Ratio		Lower	Upper
83	100		
85	65.1	52.6	79.0





#31

Cyclohexane

Concen: 21.974 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion: 56 Resp: 104109

Ion Ratio Lower Upper

56 100

69 28.7 25.4 38.2

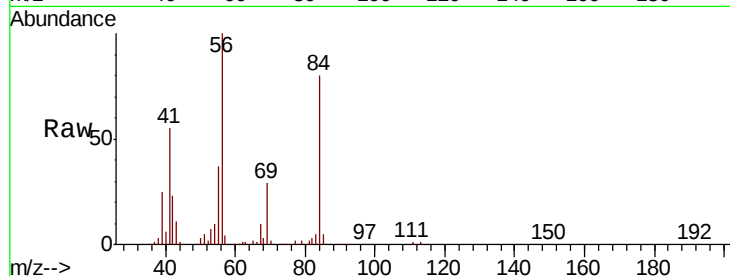
84 78.6 71.4 107.2

Manual Integrations

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MMDadoda

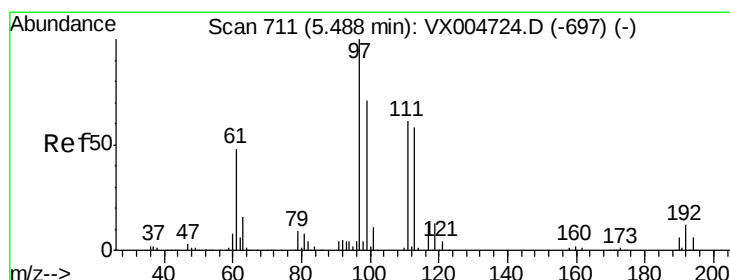
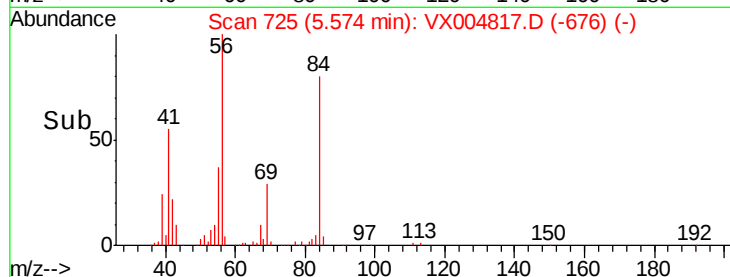
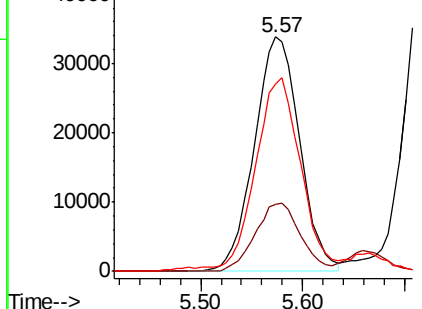
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.294 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

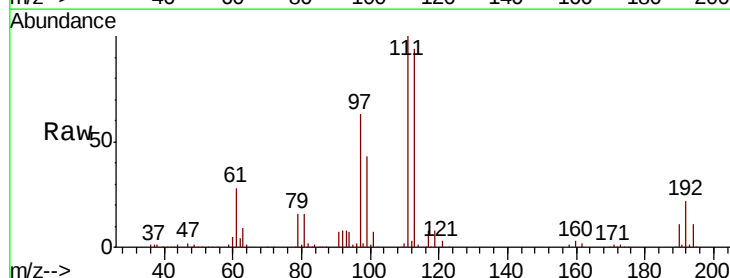
Tgt Ion: 97 Resp: 92184

Ion Ratio Lower Upper

97 100

99 65.7 52.0 78.0

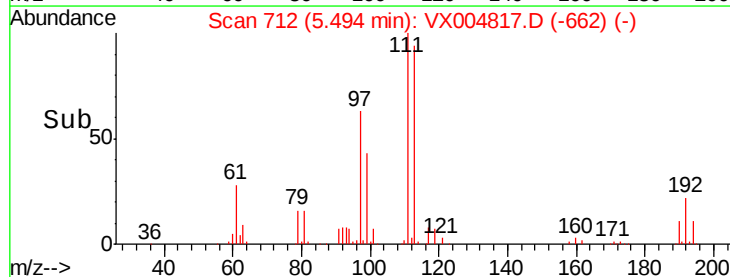
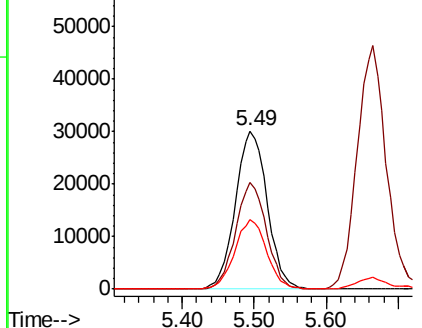
61 44.5 34.9 52.3

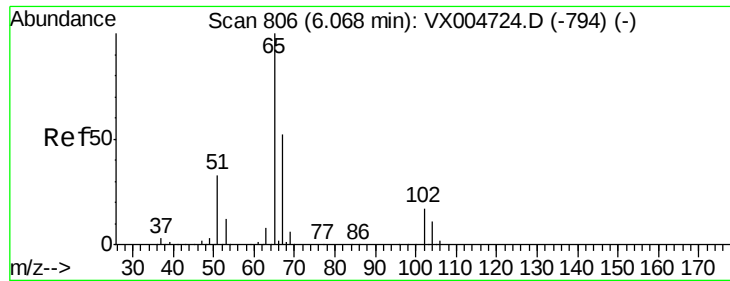


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





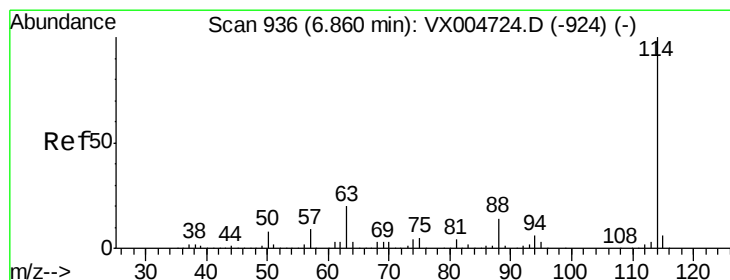
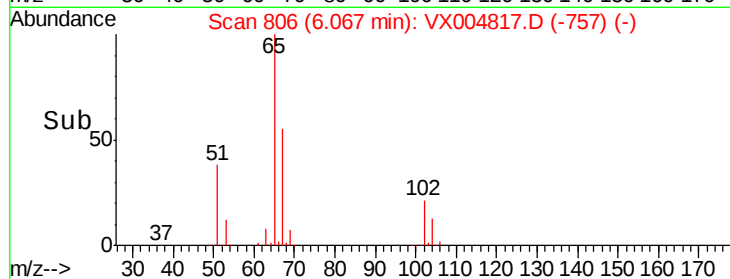
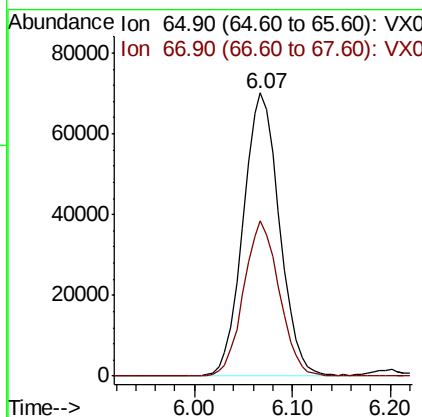
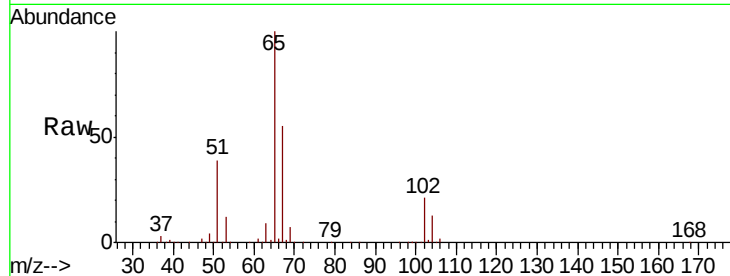
#33
 1,2-Dichloroethane-d4
 Concen: 48.412 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.8

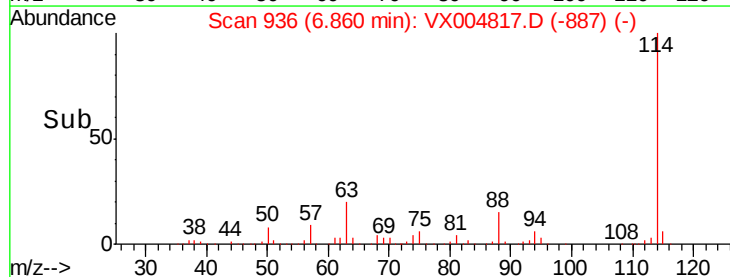
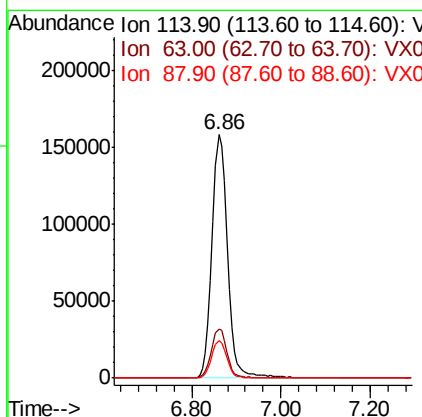
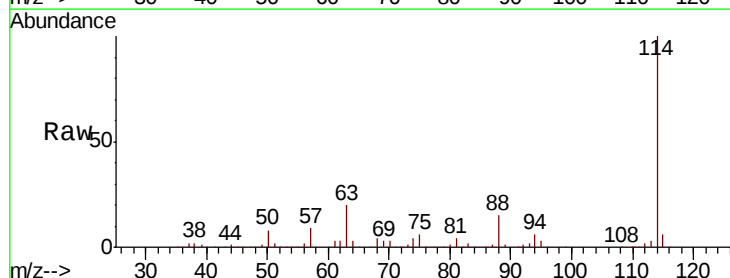
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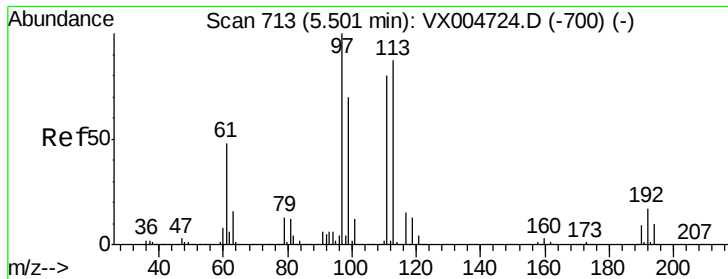
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.0
88	15.2	0.0	30.4





#35

Dibromofluoromethane

Concen: 44.351 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

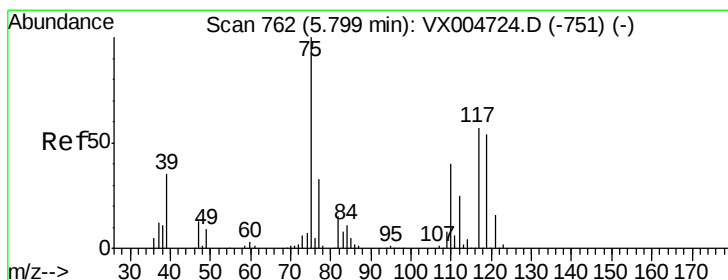
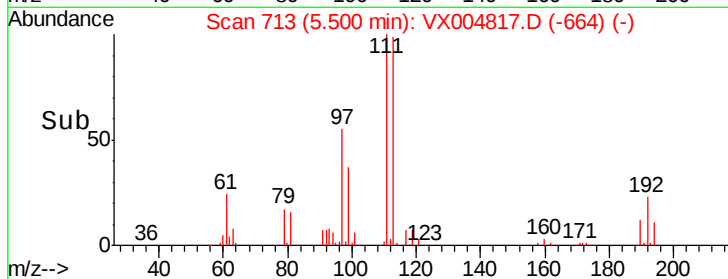
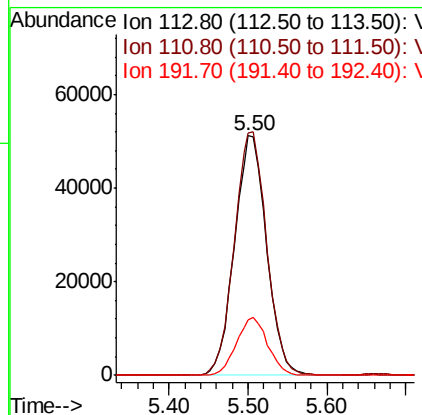
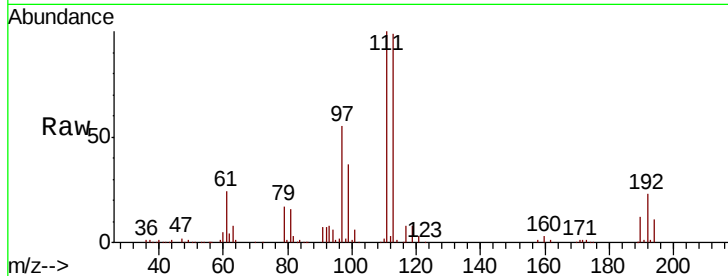
ClientSampleId :

VX0928WBS01

Tot Ion:	113	Resp:	144582
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.4	123.6
192	23.7	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 18.876 ug/l

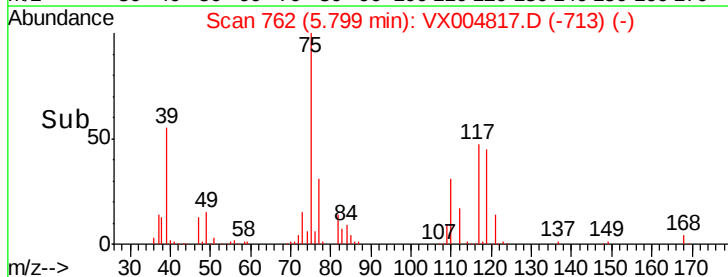
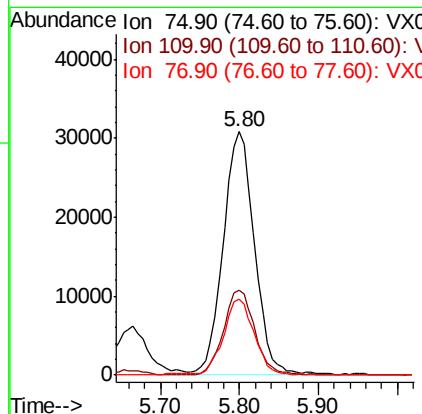
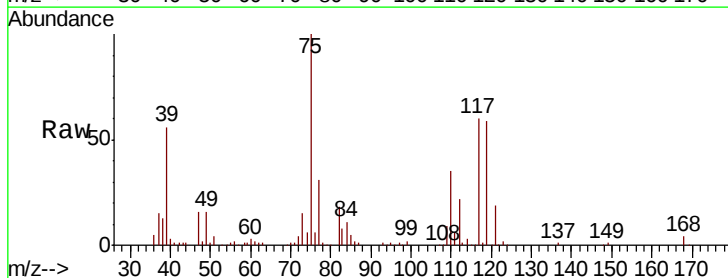
RT: 5.80 min Scan# 762

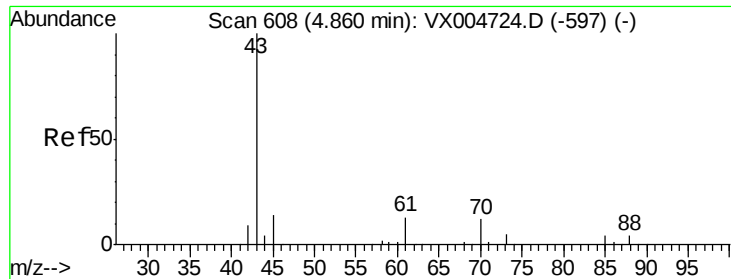
Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Tgt Ion:	75	Resp:	83956
Ion Ratio	Lower	Upper	
75	100		
110	35.6	18.0	54.0
77	30.3	24.6	36.8





#37

Ethyl Acetate

Concen: 17.963 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

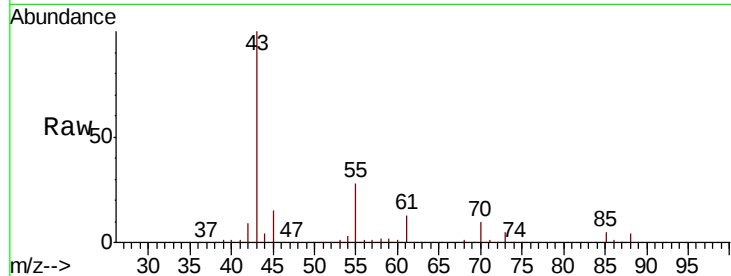
ClientSampled :

VX0928WBS01

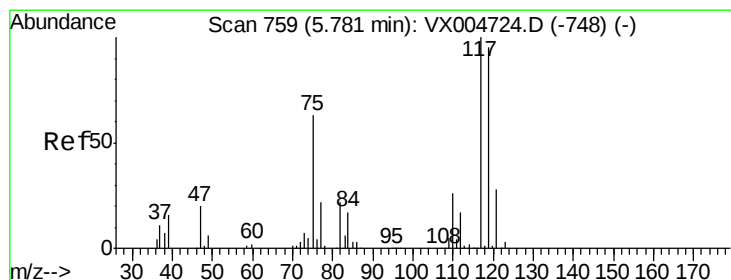
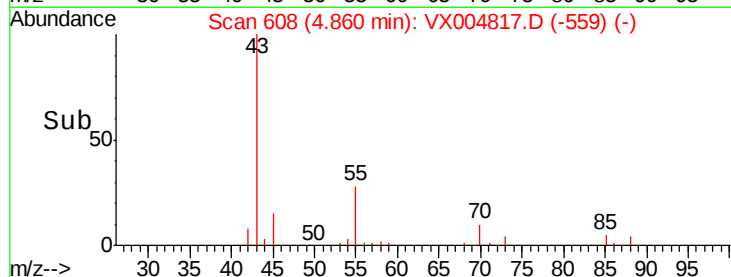
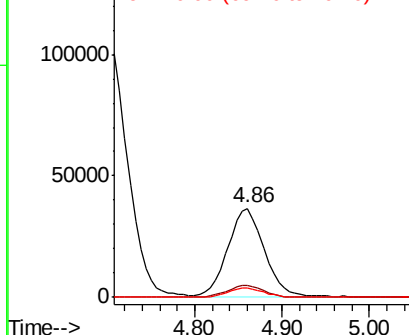
Tot Ion:	43	Resp:	106052
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.4	9.0	13.6

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 17.351 ug/l

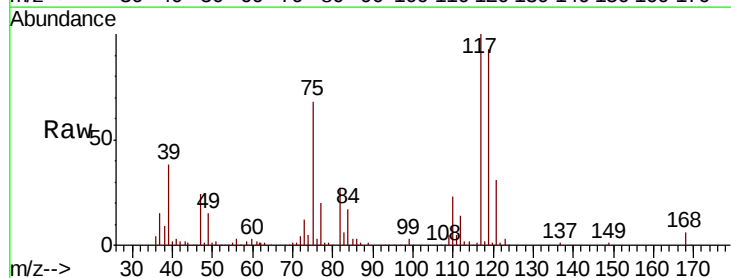
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

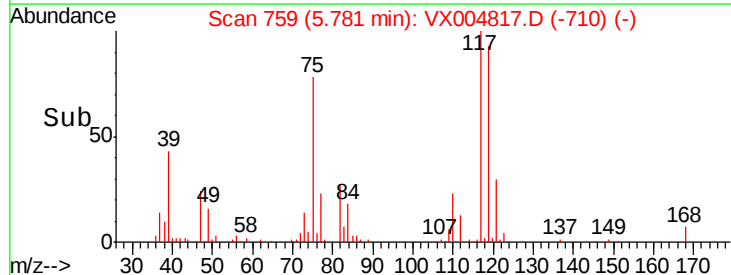
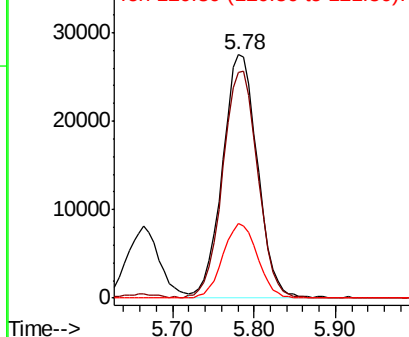
Lab File: VX004817.D

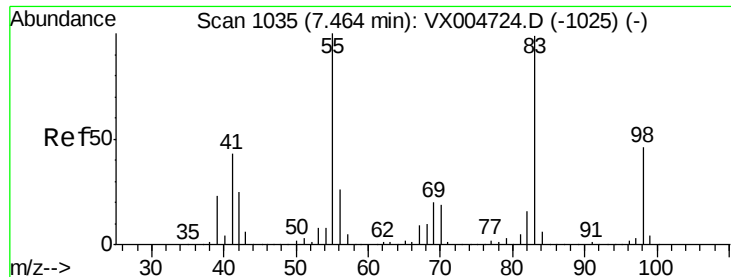
Acq: 28 Sep 2018 13:25

Tgt Ion:	117	Resp:	81125
Ion	Ratio	Lower	Upper
117	100		
119	92.7	78.8	118.2
121	30.7	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





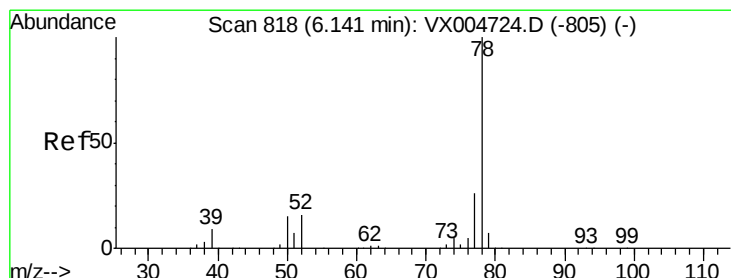
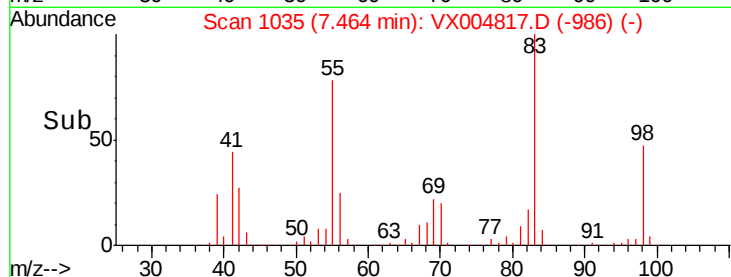
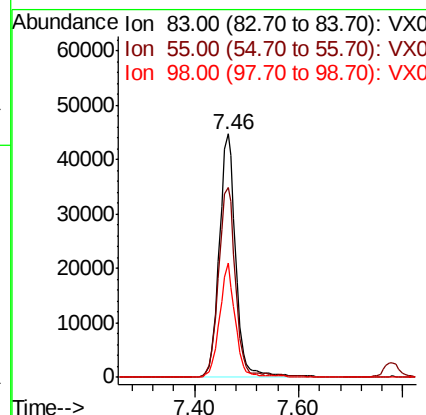
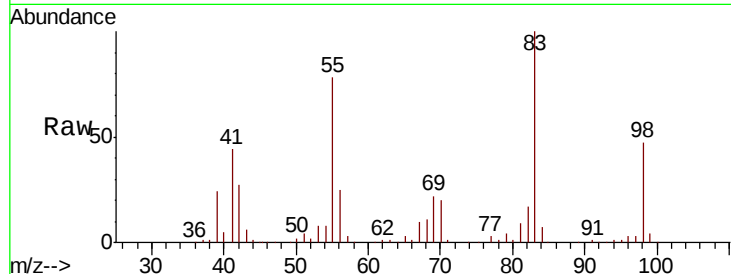
#39
Methvlcvclohexane
Concen: 22.200 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.7	61.0	91.4	
98	46.7	39.6	59.4	

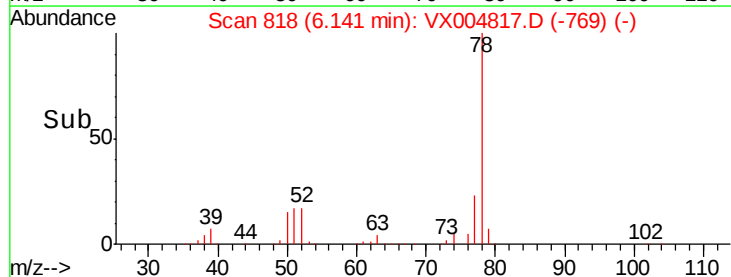
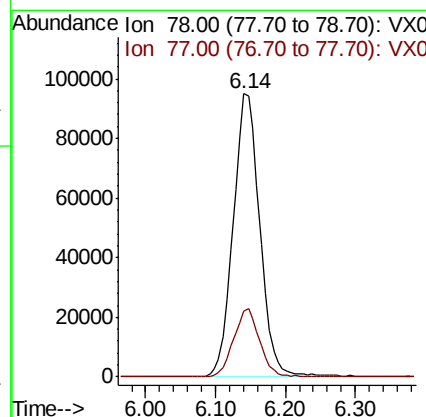
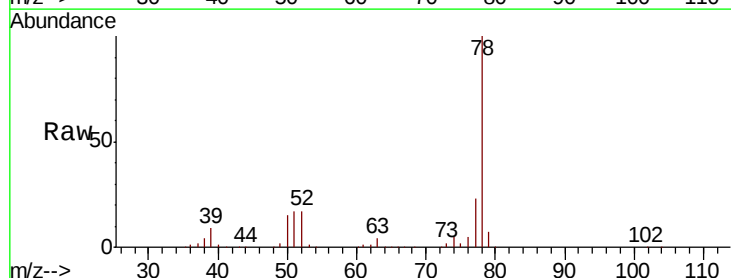
Manual Integrations
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#40
Benzene
Concen: 18.100 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.0	28.4	





#41

Methacrylonitrile

Concen: 17.972 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

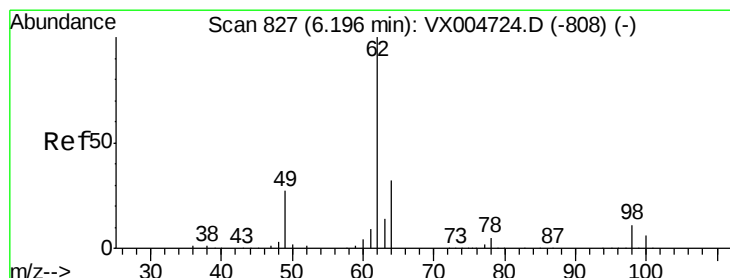
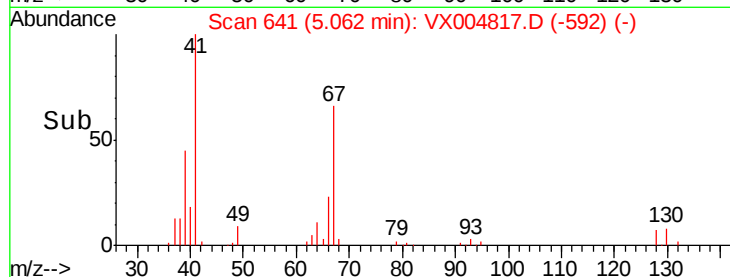
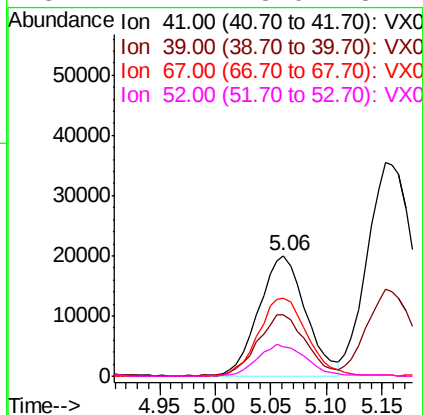
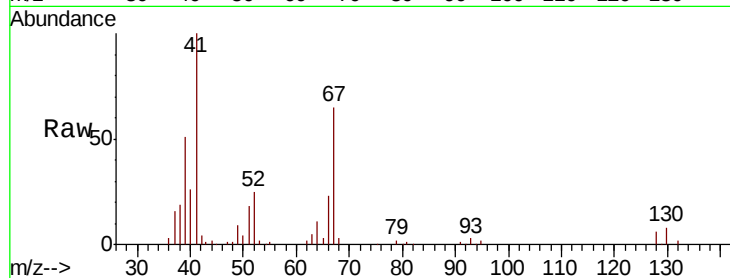
ClientSampled :

VX0928WBS01

Tot Ion:	41	Resp:	58844
Ion Ratio	Lower	Upper	
41	100		
39	51.8	42.4	63.6
67	67.7	59.2	88.8
52	27.2	23.0	34.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.005 ug/l

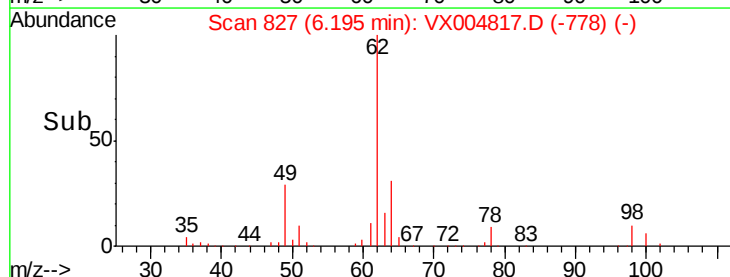
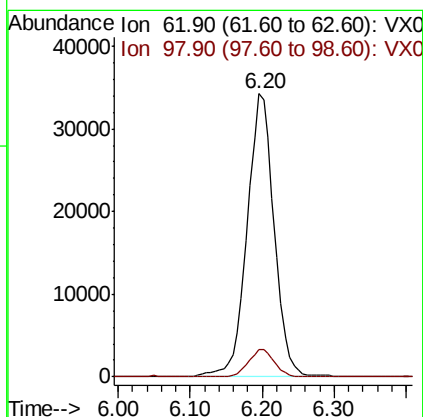
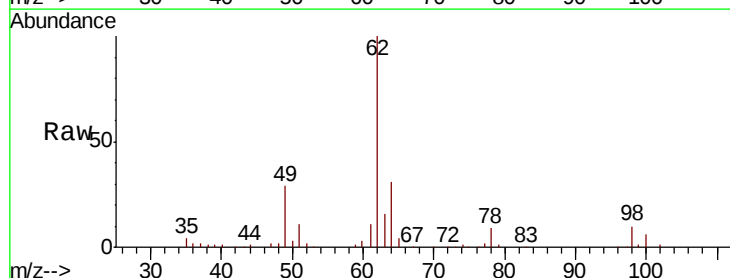
RT: 6.20 min Scan# 827

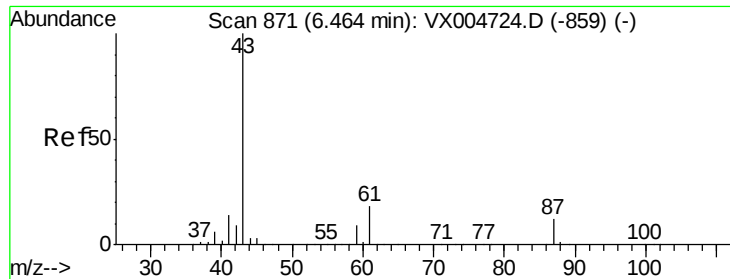
Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Tgt Ion:	62	Resp:	88628
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	20.6





#43

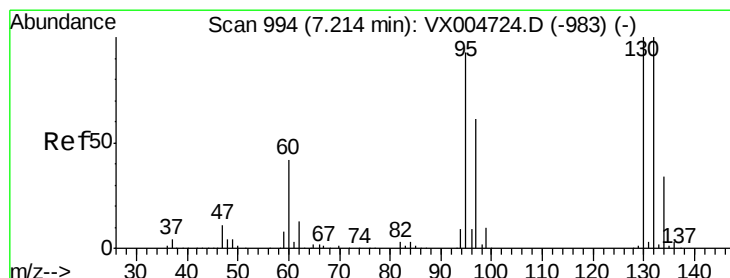
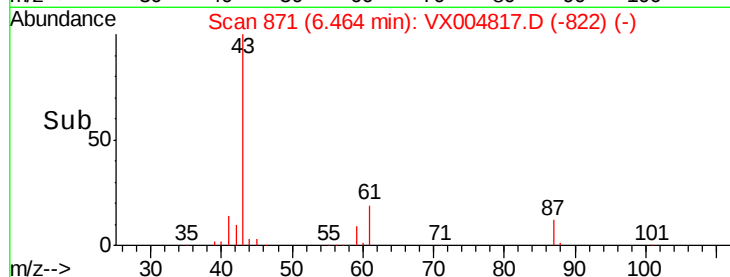
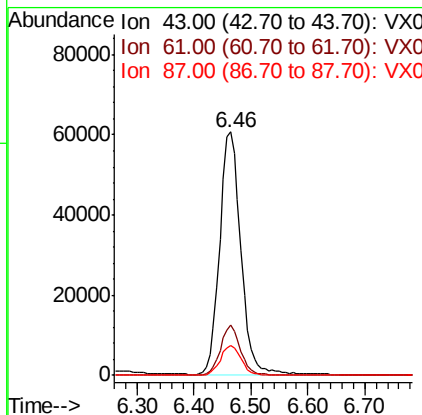
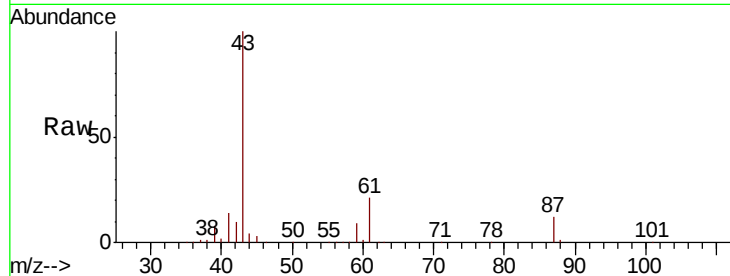
Isopropyl Acetate
 Concen: 18.371 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	17.0	25.4
87	12.2	11.4	17.2

Manual Integrations
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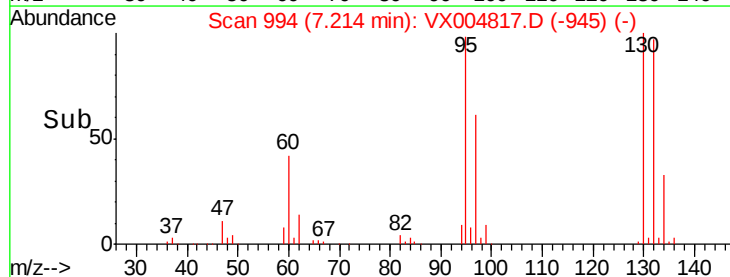
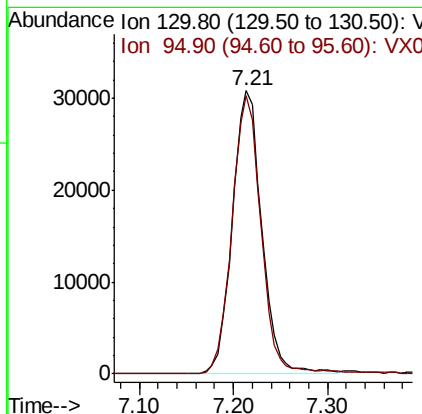
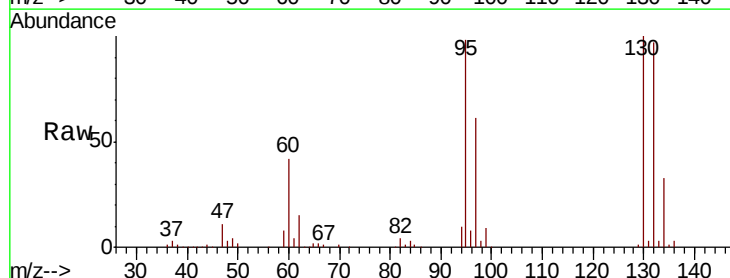
MMDadoda
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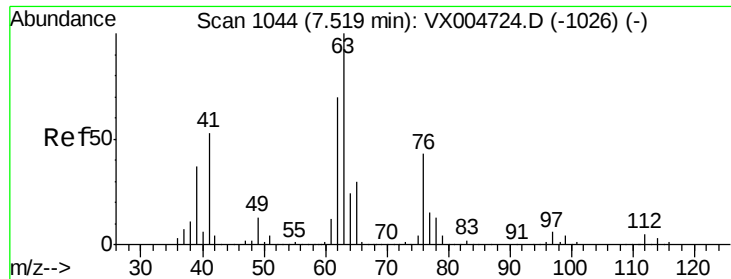


#44

Trichloroethene
 Concen: 19.539 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.226 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS01

Tot Ion: 63 Resp: 69068

Ion Ratio Lower Upper

63 100

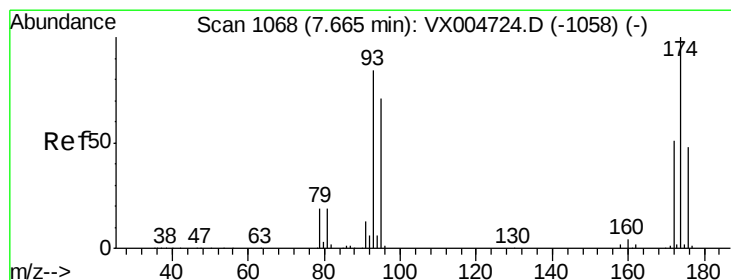
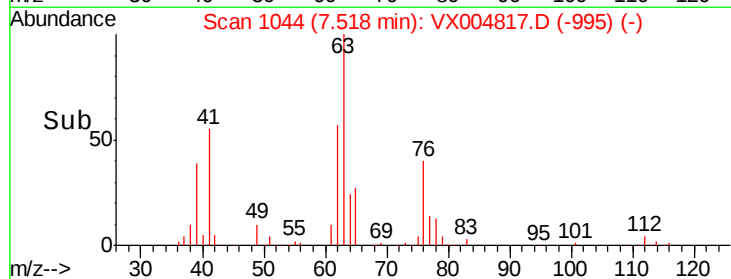
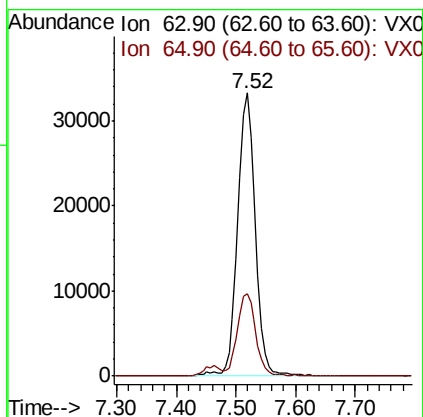
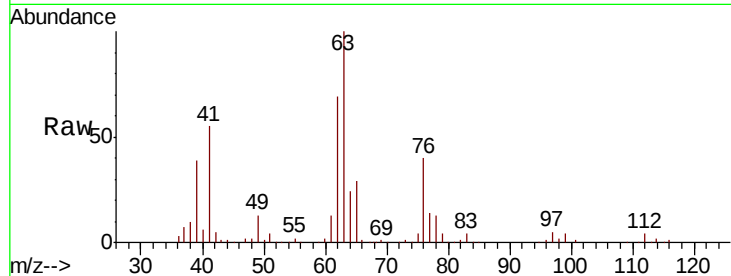
65 29.1 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 19.665 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

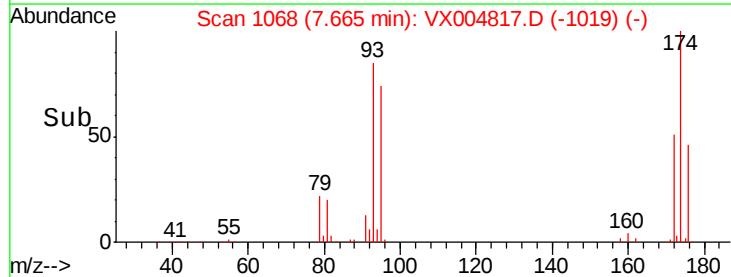
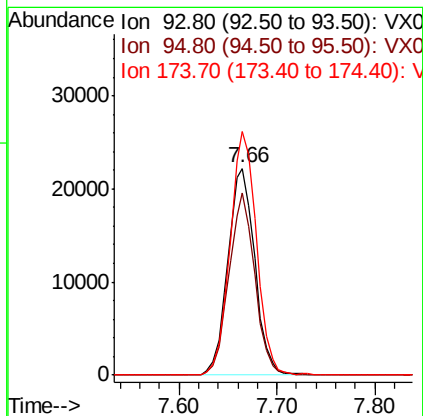
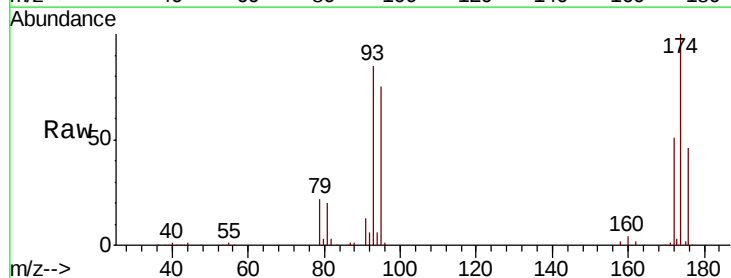
Tgt Ion: 93 Resp: 42202

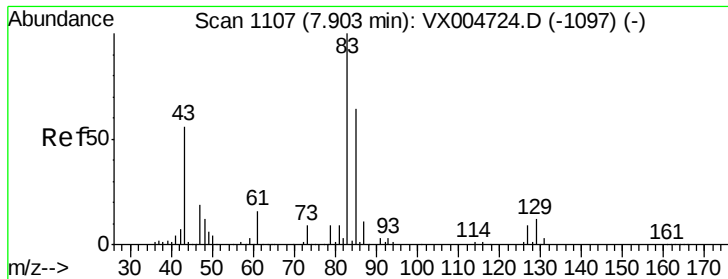
Ion Ratio Lower Upper

93 100

95 84.9 65.5 98.3

174 116.0 94.2 141.4





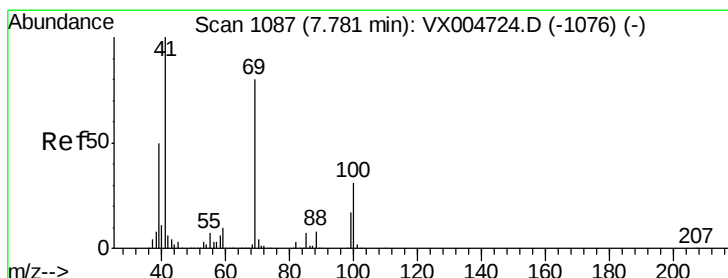
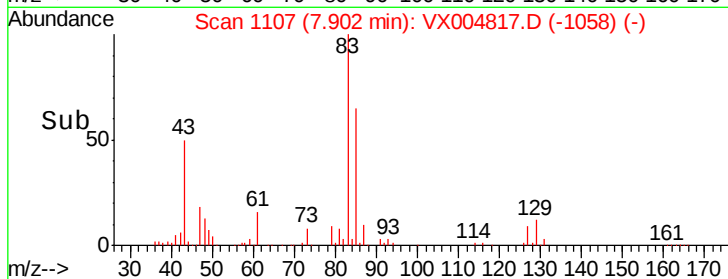
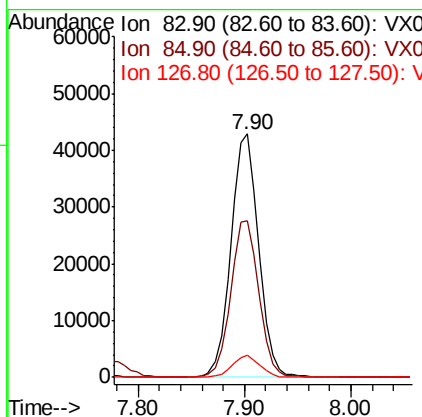
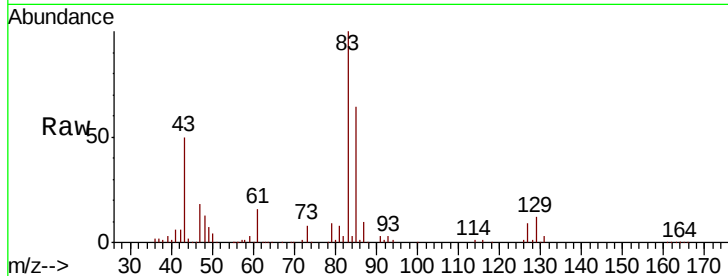
#47
 Bromodichloromethane
 Concen: 19.472 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS01

Tot Ion	83	Resp	78240
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	50.9	76.3
127	9.3	7.3	10.9

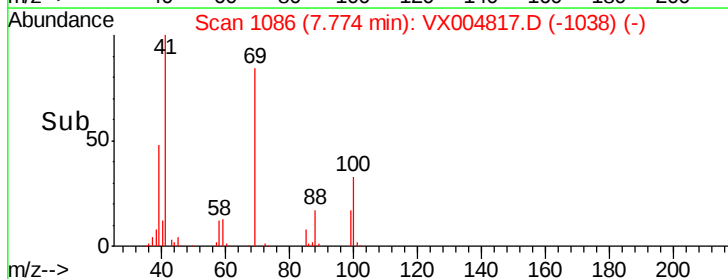
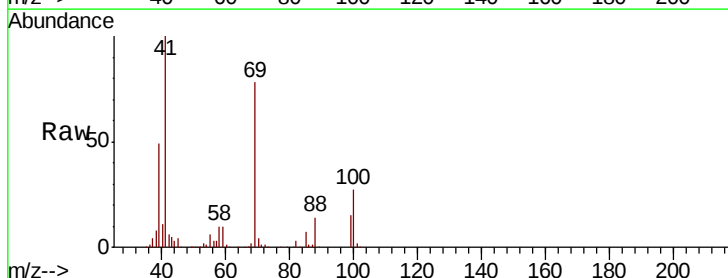
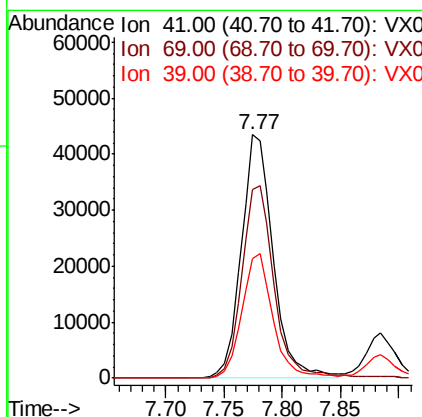
Manual Integrations
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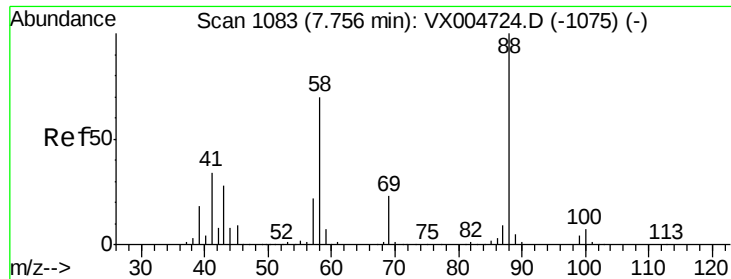
MMDadoda
 10/1/2018 1:31:27 PM



#48
 Methyl methacrylate
 Concen: 21.300 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Tgt Ion	41	Resp	82385
Ion Ratio	100	Lower	Upper
41	100		
69	80.7	70.2	105.4
39	49.4	42.7	64.1





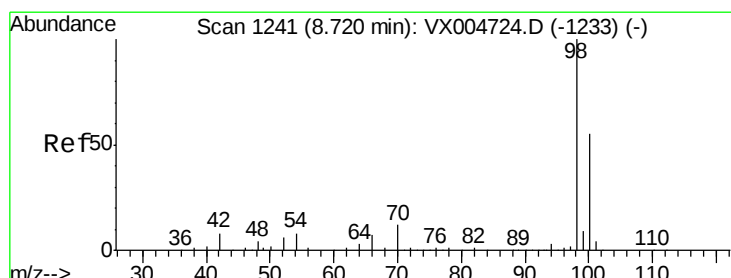
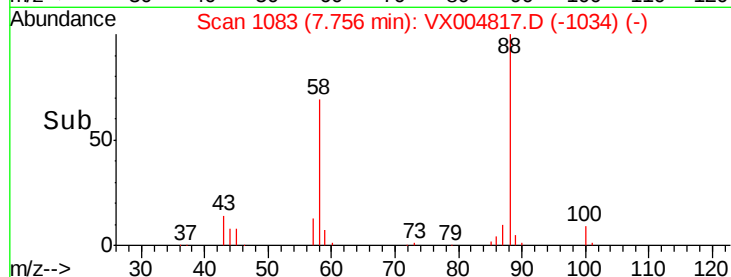
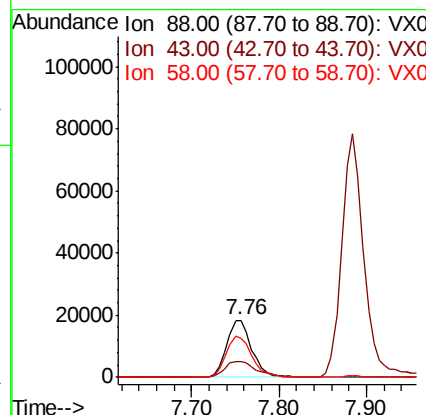
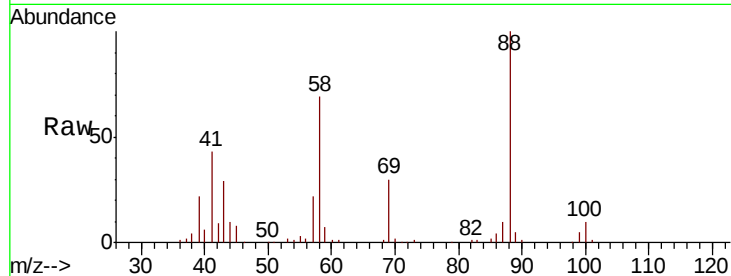
#49
1,4-Dioxane
Concen: 379.699 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion	88	Resp	36486
Ion	Ratio	Lower	Upper
88	100		
43	33.6	24.7	37.1
58	73.8	55.3	82.9

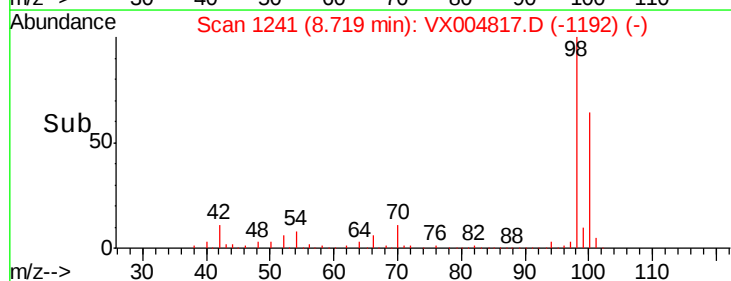
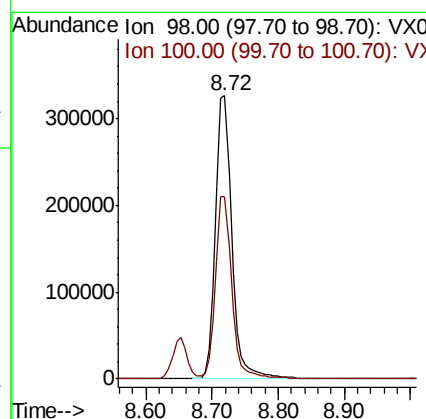
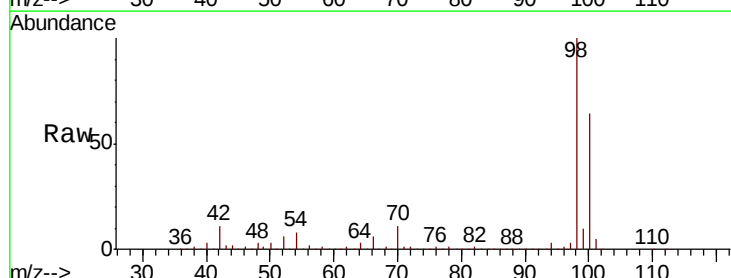
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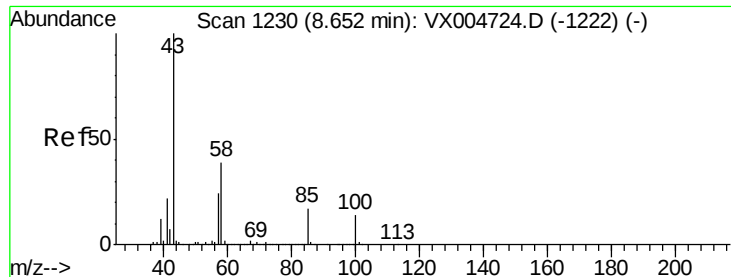
MMDadoda
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#50
Toluene-d8
Concen: 51.658 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	98	Resp	559858
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 103.586 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion: 43 Resp: 555802

Ion Ratio Lower Upper

43 100

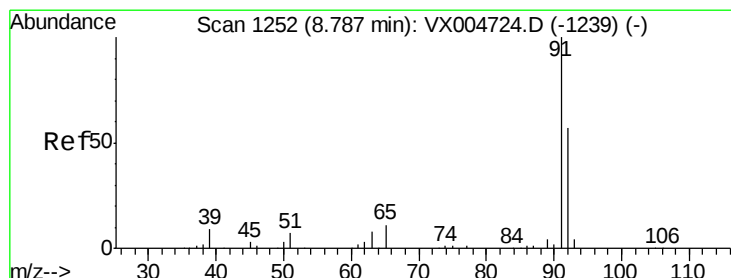
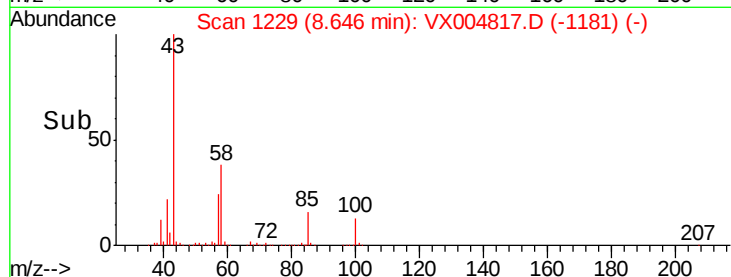
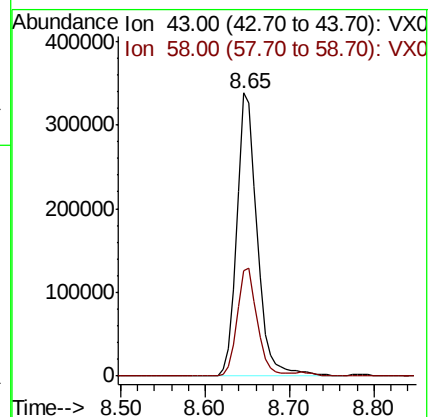
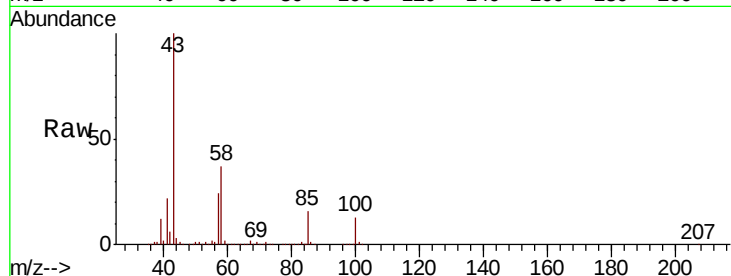
58 37.7 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 20.635 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004817.D

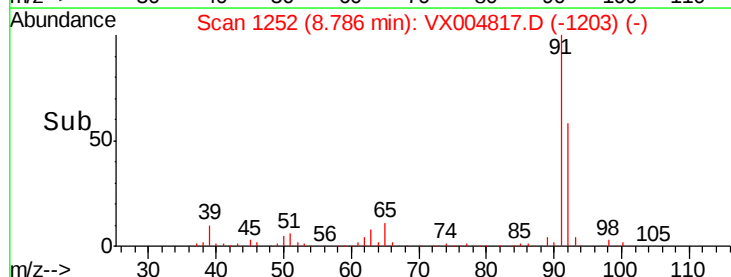
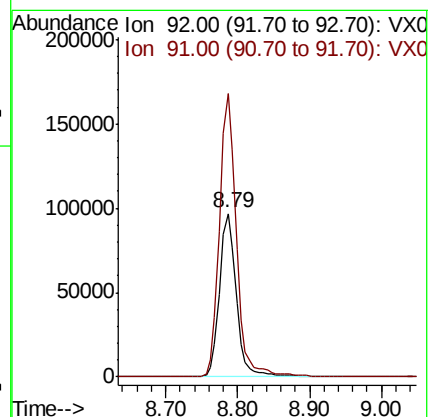
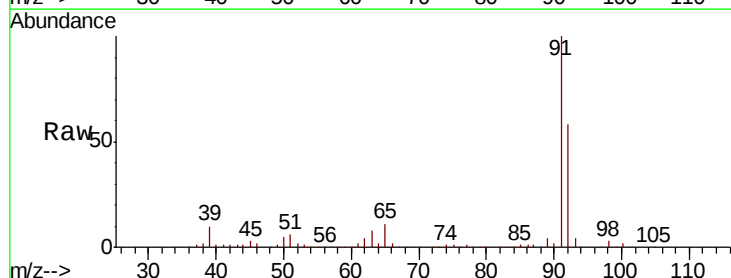
Acq: 28 Sep 2018 13:25

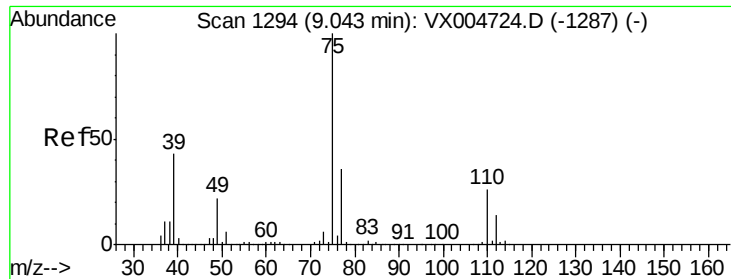
Tgt Ion: 92 Resp: 157890

Ion Ratio Lower Upper

92 100

91 173.6 136.4 204.6





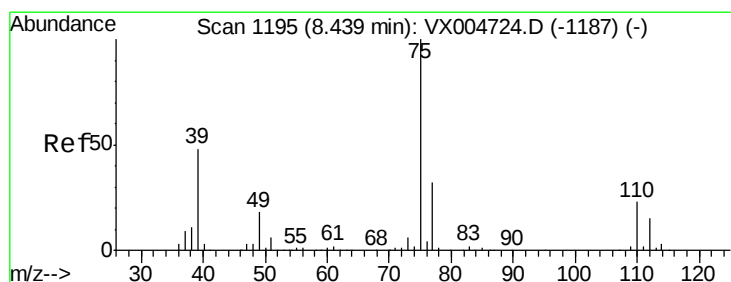
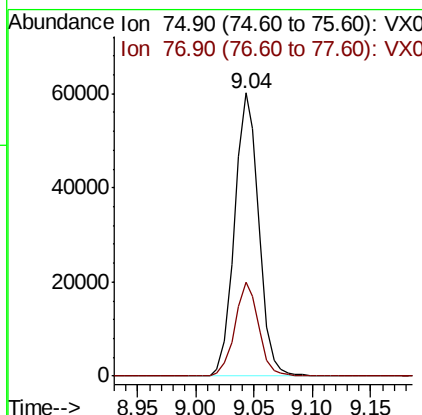
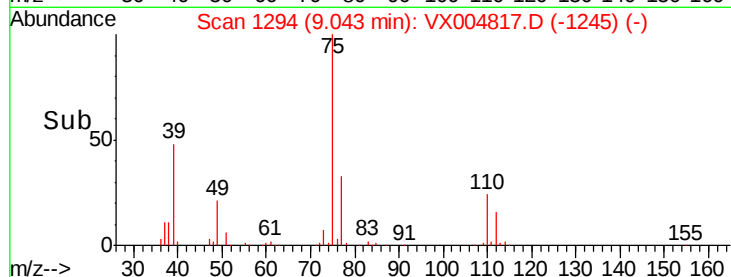
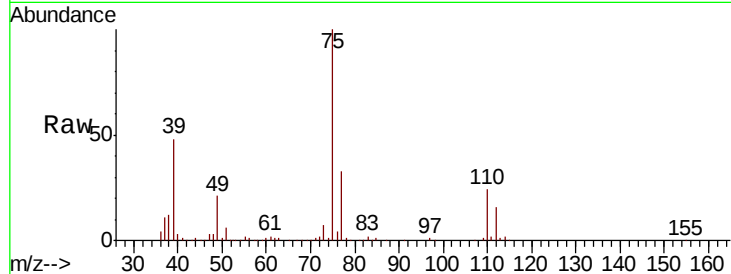
#53
t-1,3-Dichloropropene
Concen: 19.212 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion: 75 Resp: 87234
Ion Ratio Lower Upper
75 100
77 33.2 24.6 37.0

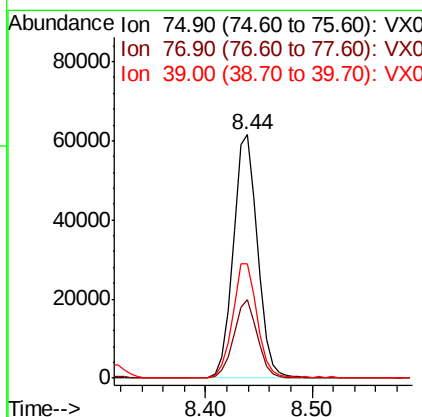
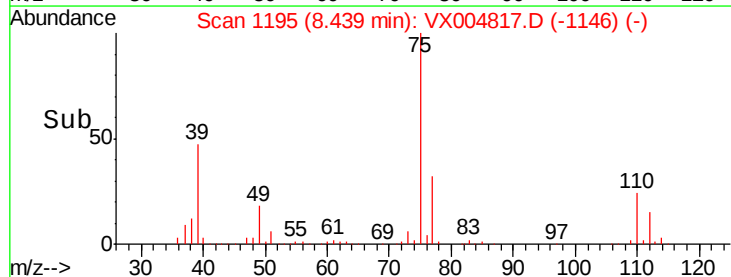
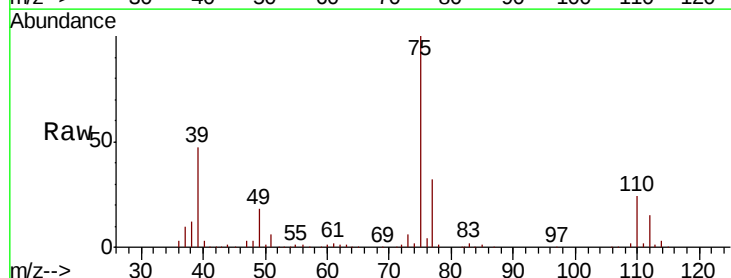
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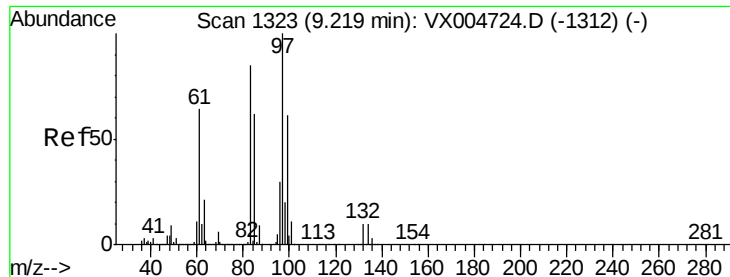
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#54
cis-1,3-Dichloropropene
Concen: 20.794 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion: 75 Resp: 98891
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
39 46.6 36.4 54.6





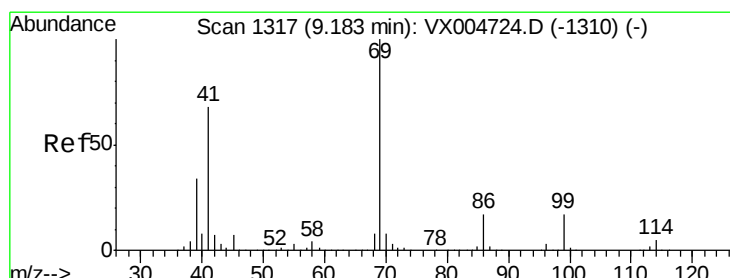
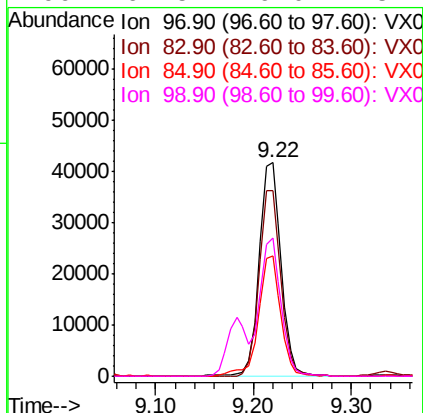
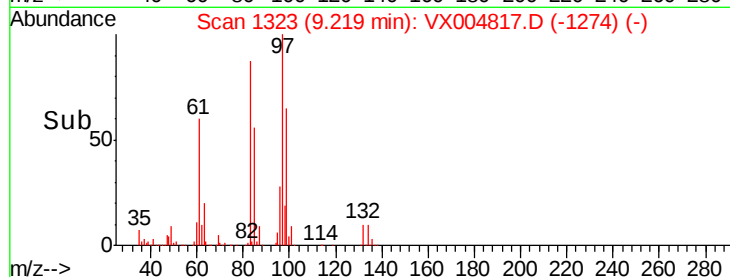
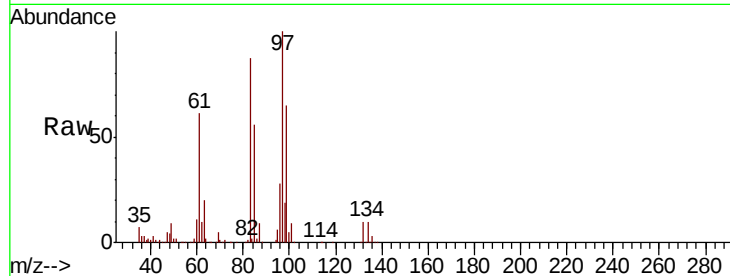
#55
 1,1,2-Trichloroethane
 Concen: 19.317 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS01

Tot Ion:	97	Resp:	64744
Ion	Ratio	Lower	Upper
97	100		
83	87.0	66.4	99.6
85	56.4	43.3	64.9
99	64.5	49.0	73.4

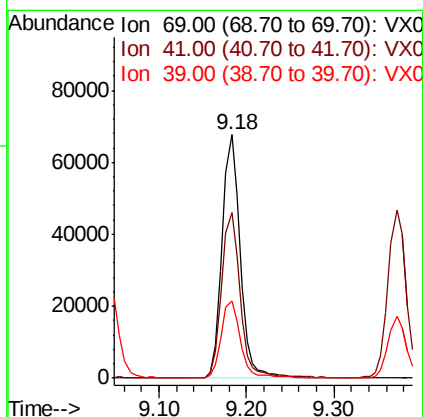
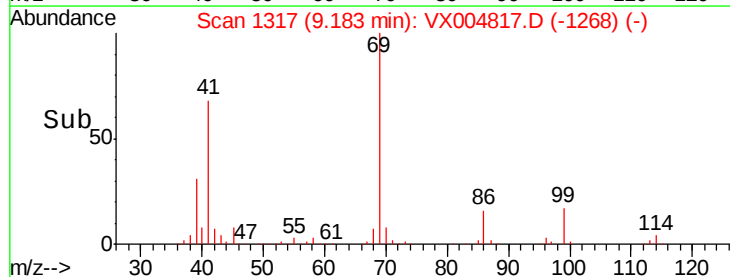
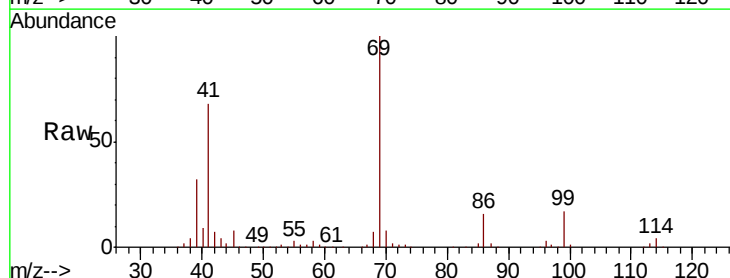
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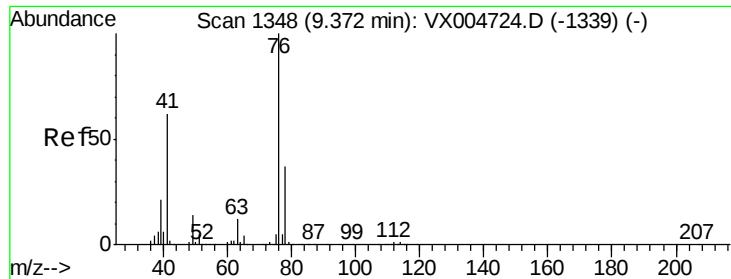
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#56
 Ethyl methacrylate
 Concen: 19.706 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Tgt Ion:	69	Resp:	97174
Ion	Ratio	Lower	Upper
69	100		
41	69.3	51.0	76.4
39	32.9	26.1	39.1





#57

1,3-Dichloropropane

Concen: 19.545 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion: 76 Resp: 109024

Ion Ratio Lower Upper

76 100

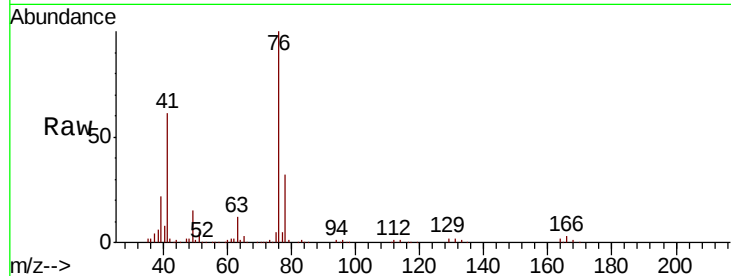
78 32.4 25.5 38.3

Manual Integrations

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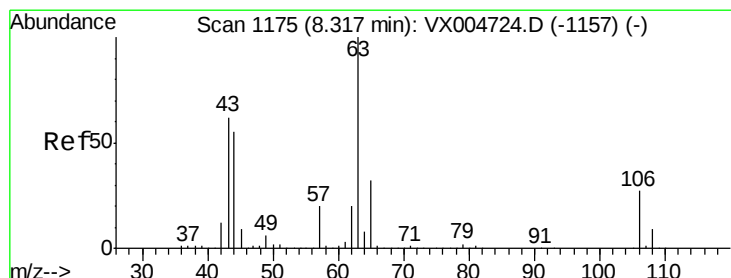
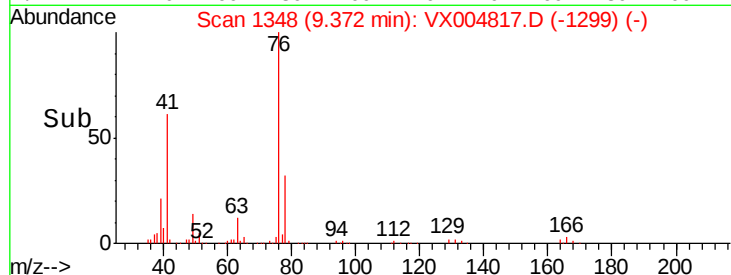
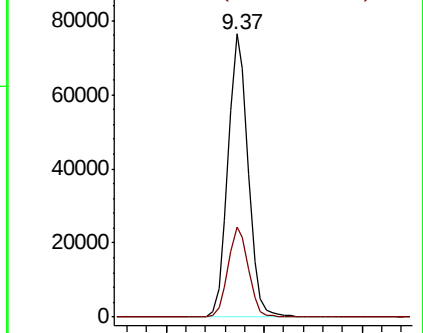
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.956 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004817.D

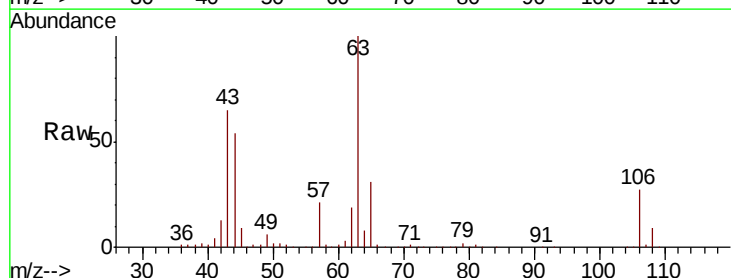
Acq: 28 Sep 2018 13:25

Tgt Ion: 63 Resp: 271671

Ion Ratio Lower Upper

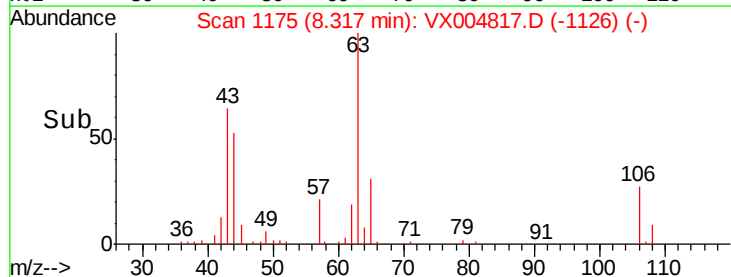
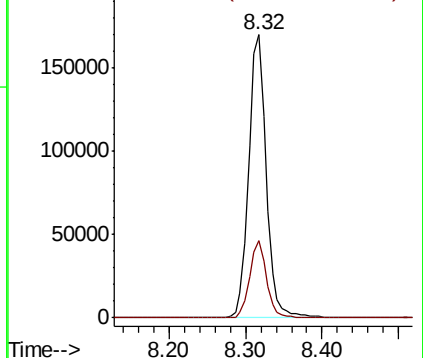
63 100

106 26.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





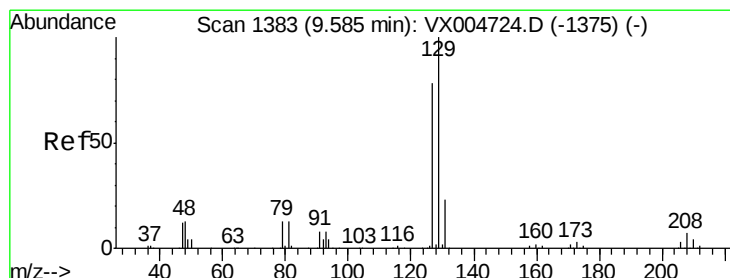
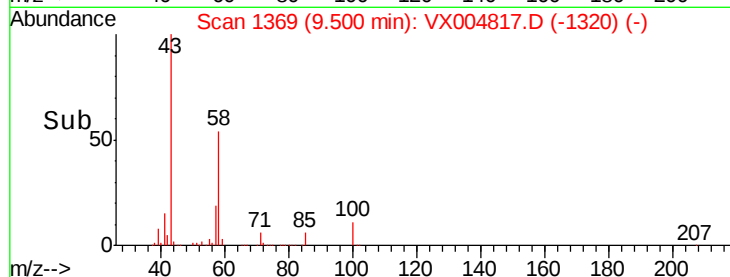
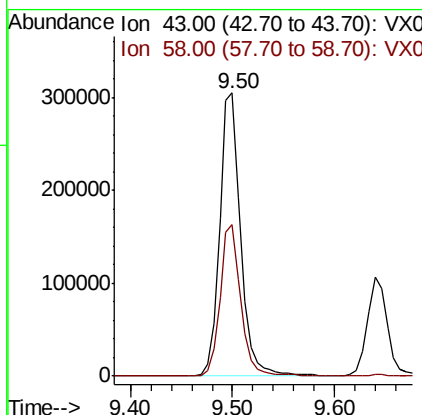
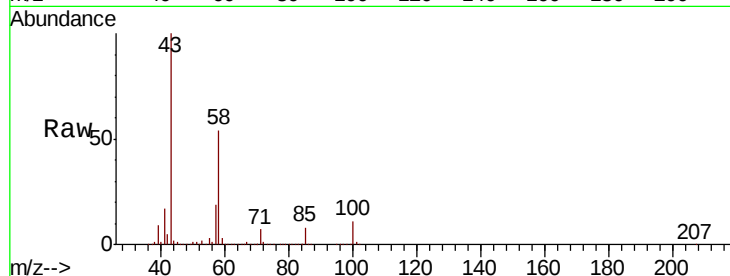
#59
2-Hexanone
Concen: 97.796 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion: 43 Resp: 437268
Ion Ratio Lower Upper
43 100
58 53.0 29.0 87.0

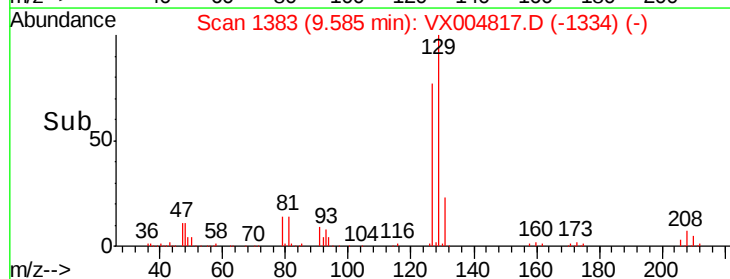
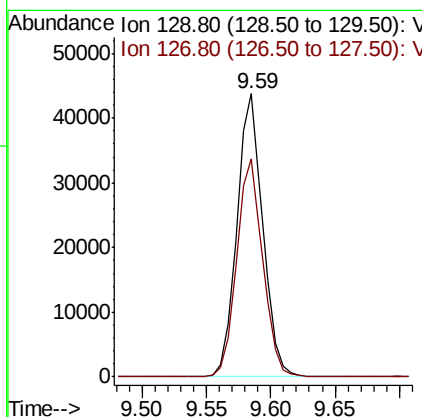
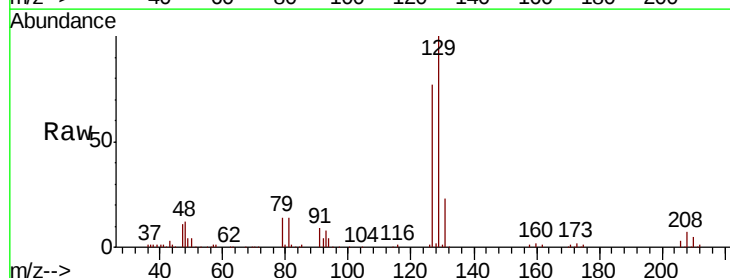
Manual Integrations
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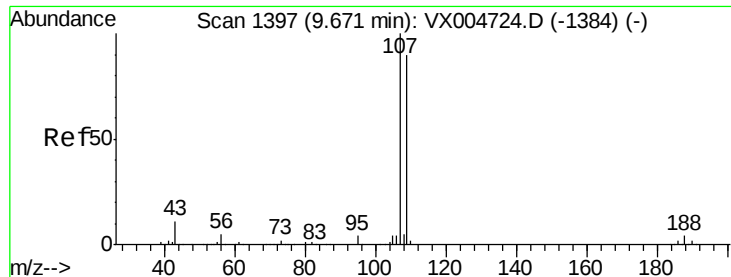
MMDadoda
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#60
Dibromochloromethane
Concen: 18.161 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion: 129 Resp: 60874
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.467 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion:107 Resp: 66284

Ion Ratio Lower Upper

107 100

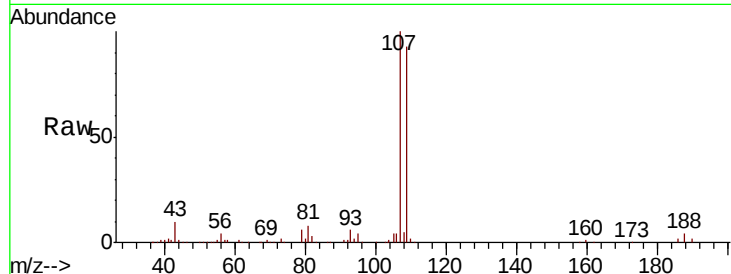
109 95.0 76.0 114.0

Manual Integrations

APPROVED

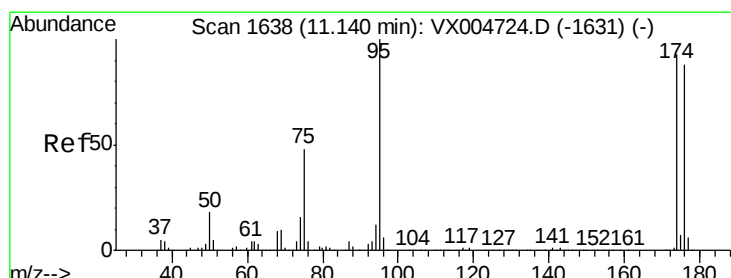
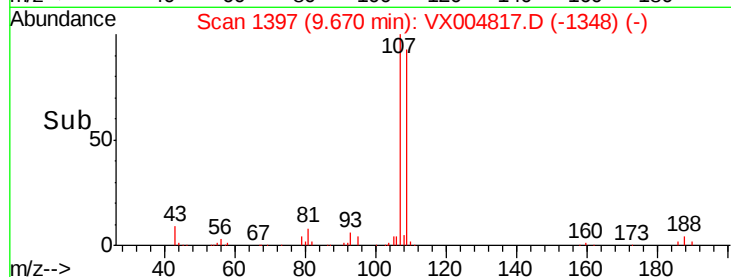
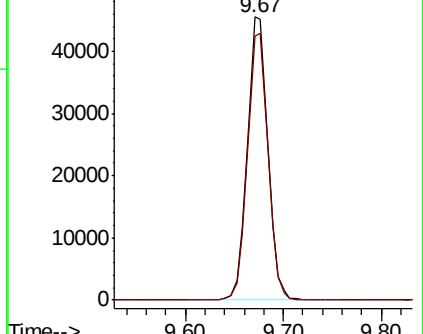
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.084 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

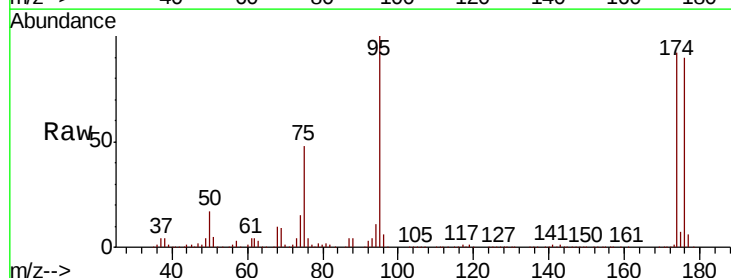
Tgt Ion: 95 Resp: 207261

Ion Ratio Lower Upper

95 100

174 90.5 0.0 185.2

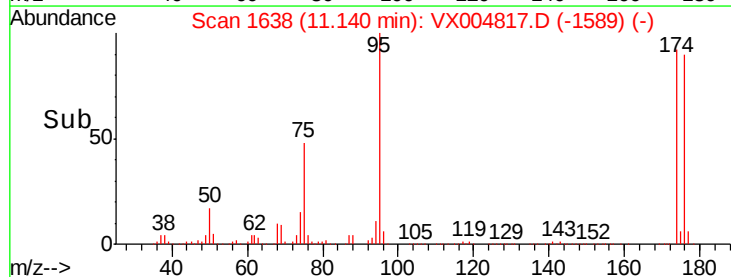
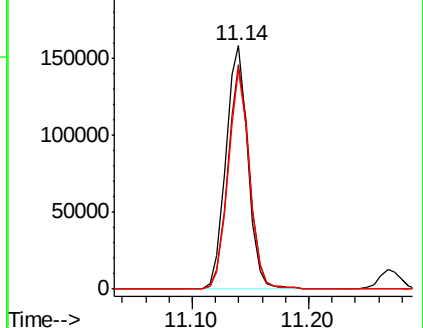
176 87.0 0.0 178.6

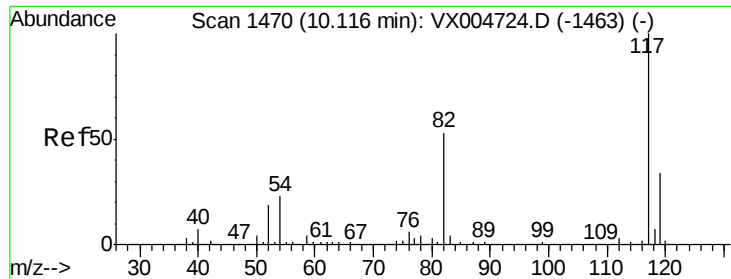


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





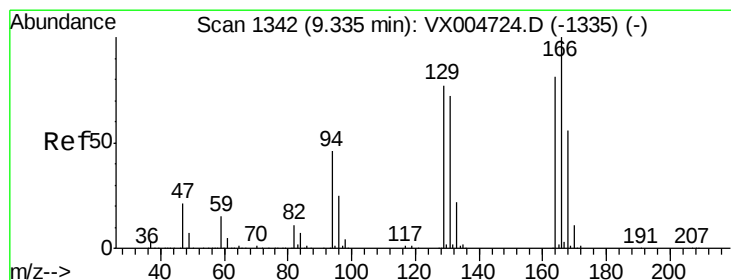
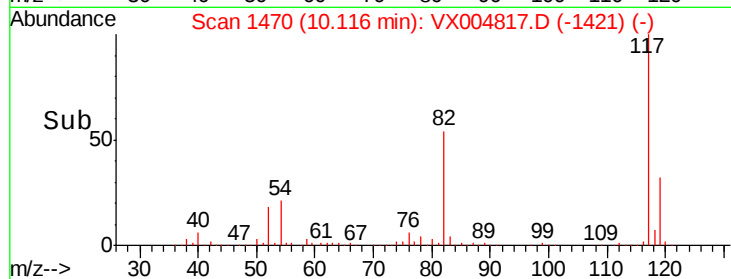
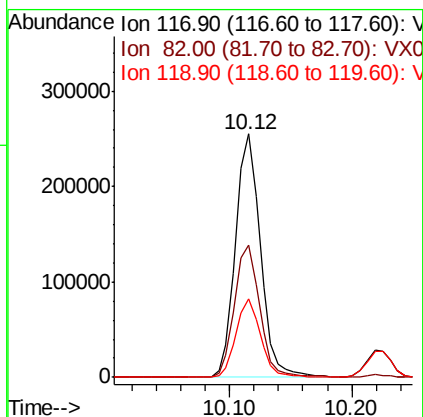
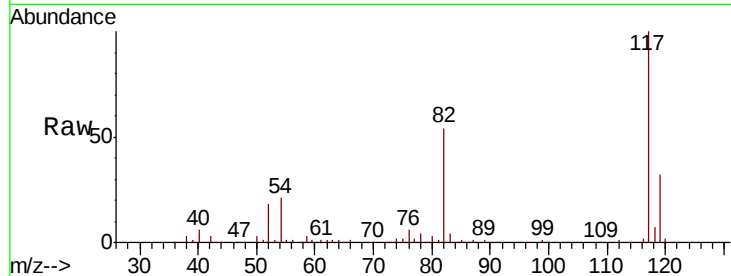
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	360190		
82	54.4	47.8	71.6	
119	32.3	29.3	43.9	

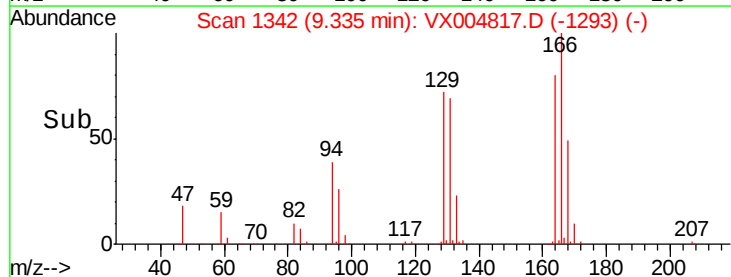
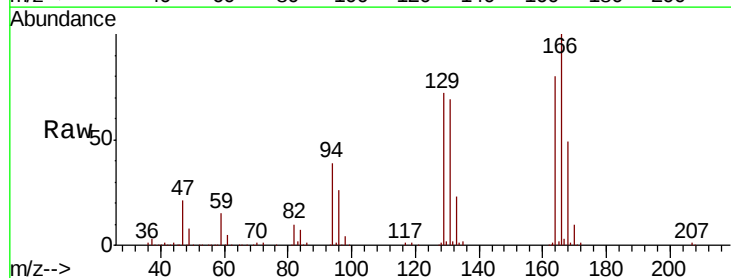
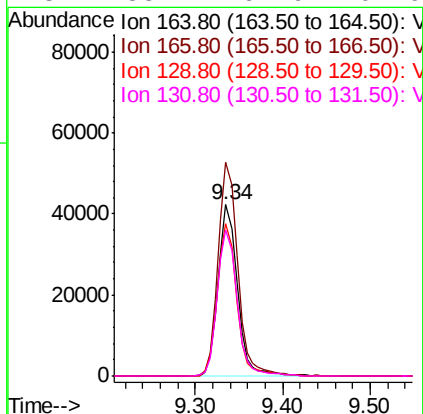
Manual Integrations
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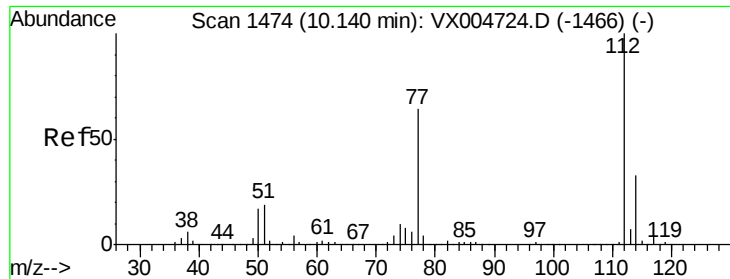
MMDadoda
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#64
Tetrachloroethene
Concen: 18.267 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64759		
166	124.7	102.8	154.2	
129	89.1	69.4	104.0	
131	85.4	67.9	101.9	





#65

Chlorobenzene

Concen: 19.060 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS01

Tot Ion:112 Resp: 176040

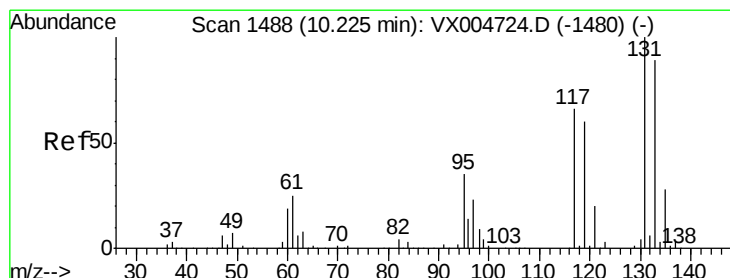
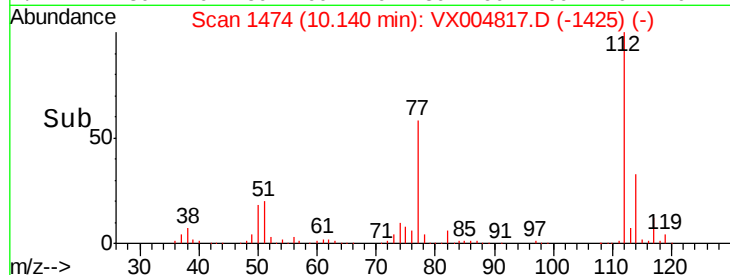
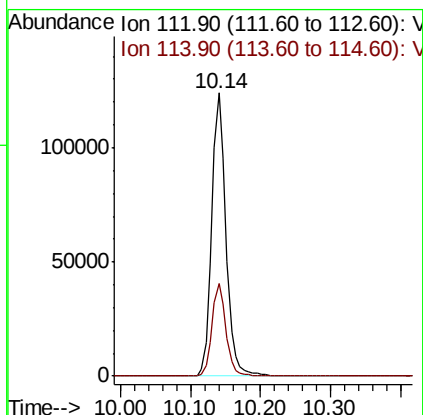
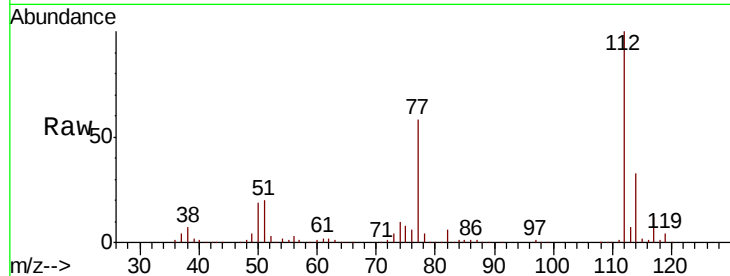
Ion Ratio Lower Upper

112 100

114 32.8 27.8 41.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.396 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

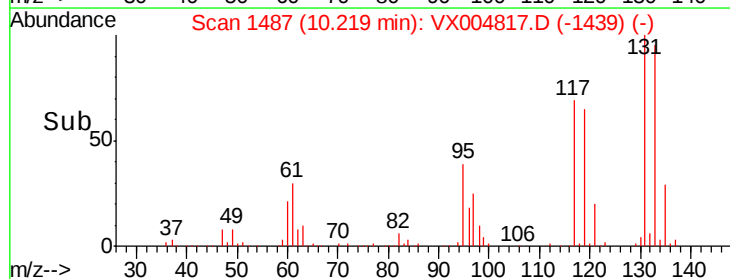
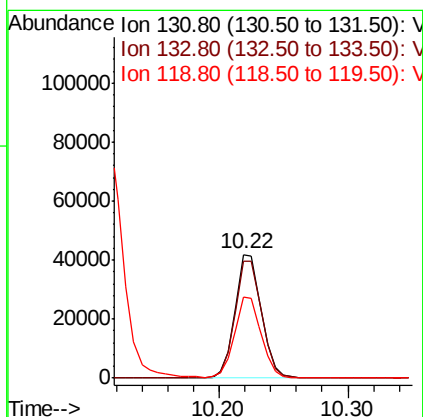
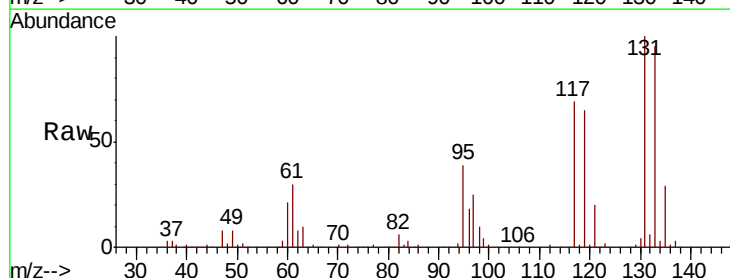
Tgt Ion:131 Resp: 59734

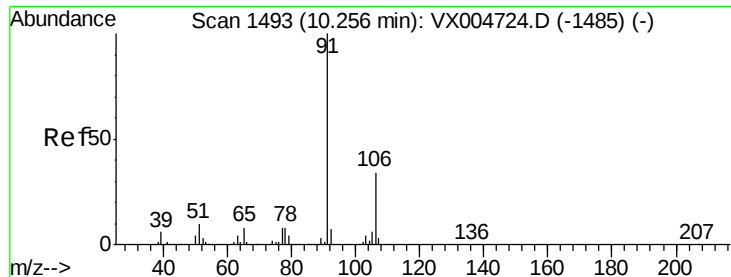
Ion Ratio Lower Upper

131 100

133 96.2 48.1 144.4

119 66.6 32.9 98.6





#67

Ethyl Benzene

Concen: 19.929 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion: 91 Resp: 292239

Ion Ratio Lower Upper

91 100

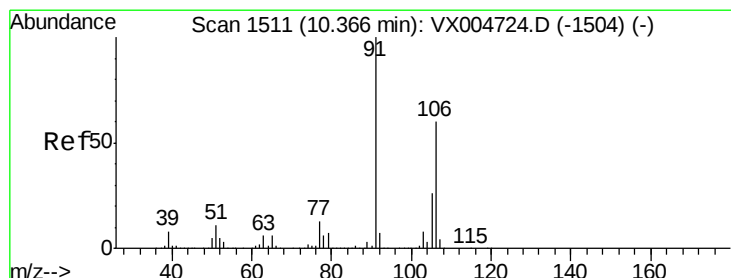
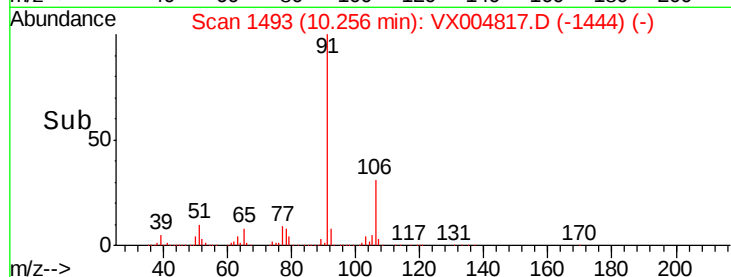
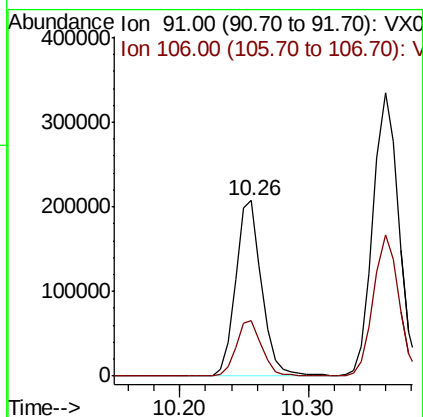
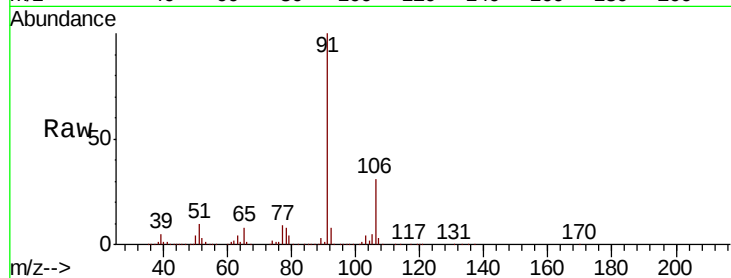
106 31.3 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.502 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004817.D

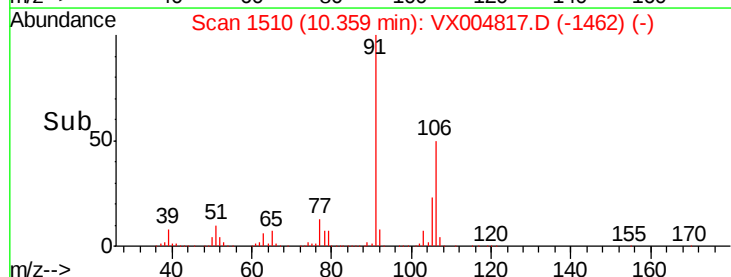
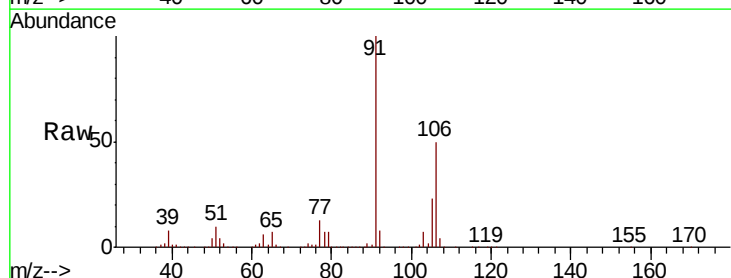
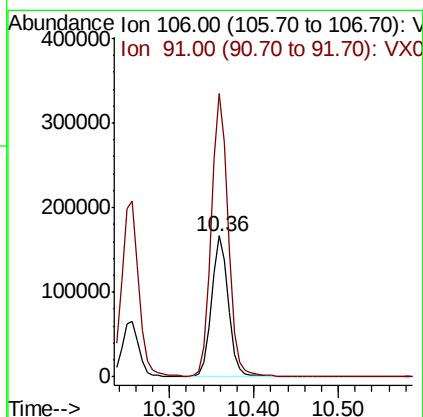
Acq: 28 Sep 2018 13:25

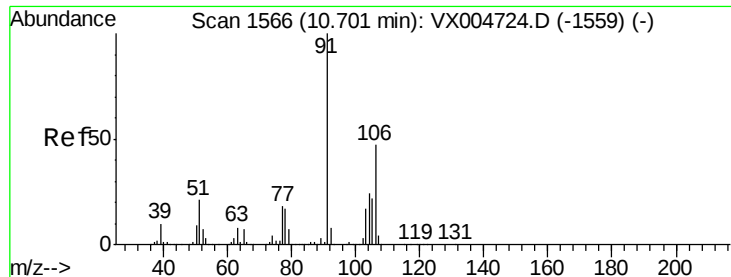
Tgt Ion: 106 Resp: 232082

Ion Ratio Lower Upper

106 100

91 202.5 157.1 235.7





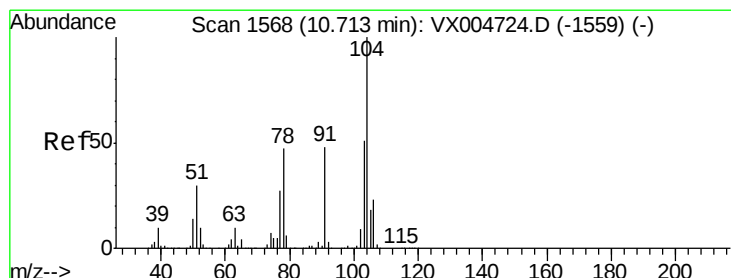
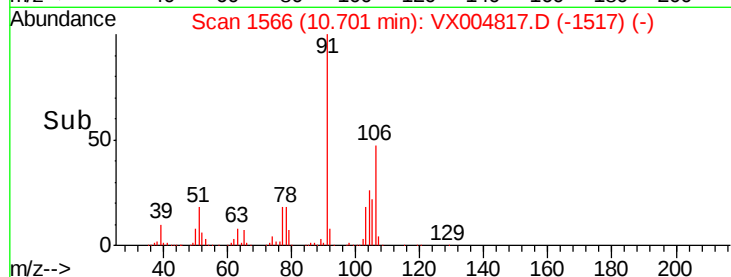
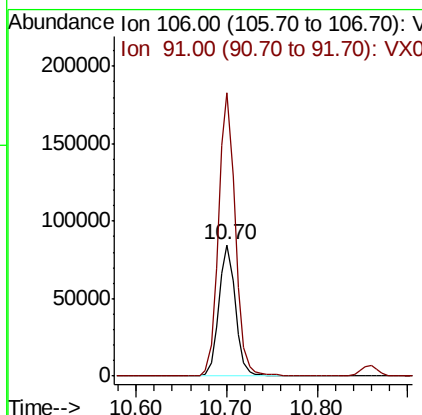
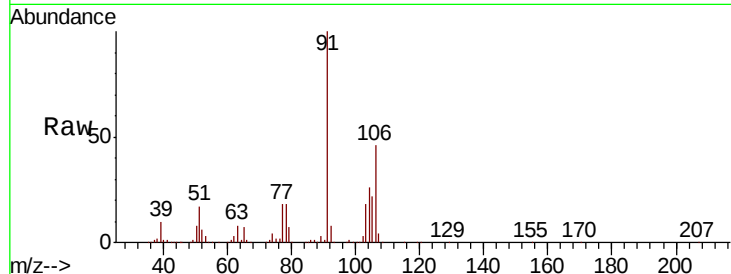
#69
o-Xylene
Concen: 20.803 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.6	105.1	315.1

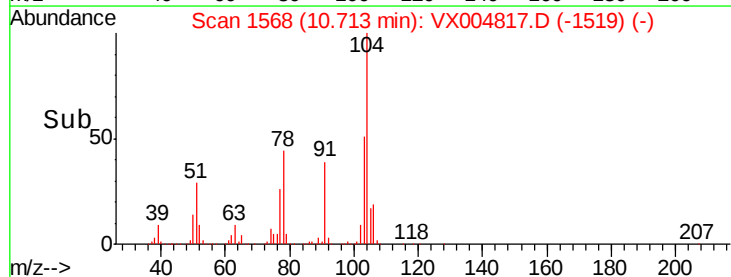
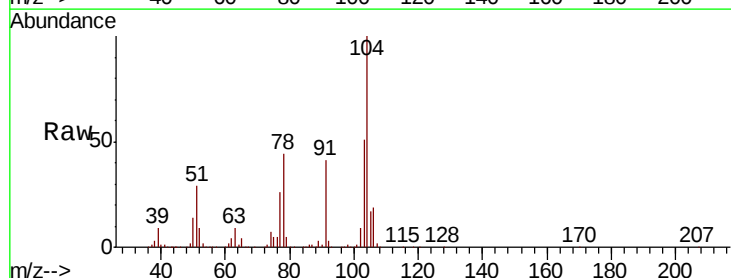
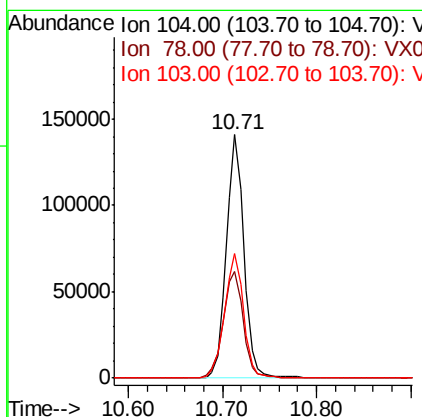
Manual Integrations
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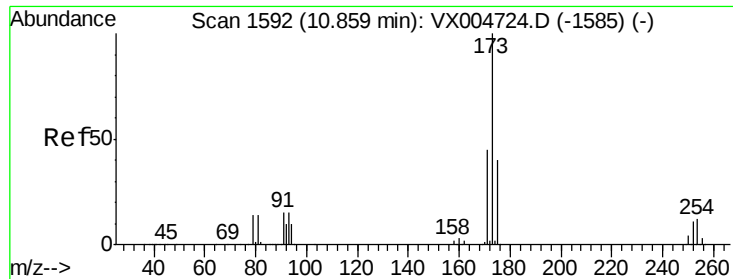
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#70
Styrene
Concen: 20.011 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	37.4	56.0
103	55.2	43.8	65.6





#71

Bromoform

Concen: 16.978 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion:173 Resp: 47196

Ion Ratio Lower Upper

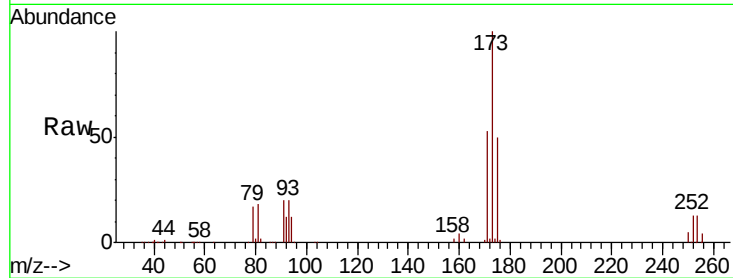
173 100

175 50.1 24.1 72.3

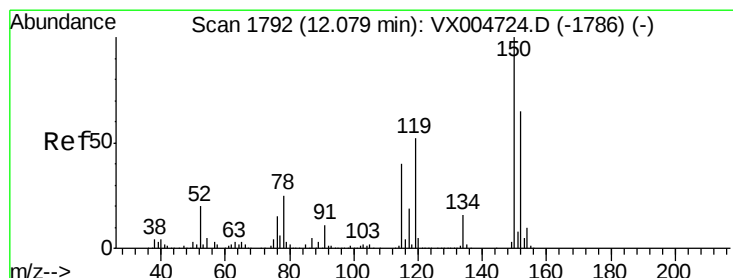
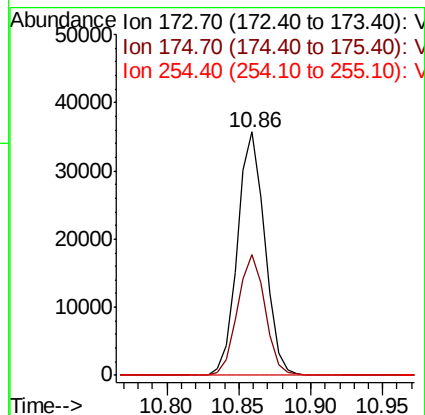
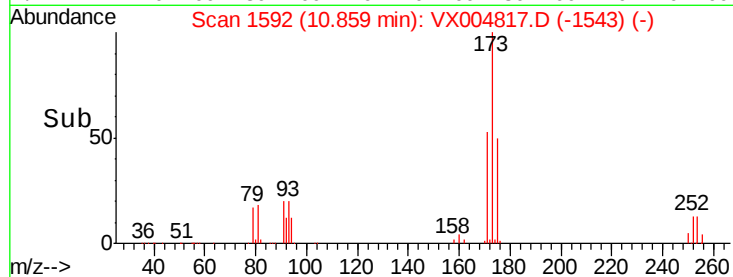
254 0.2 0.2 0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

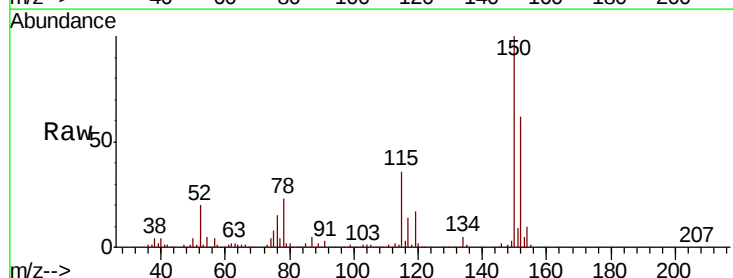
Tgt Ion:152 Resp: 219610

Ion Ratio Lower Upper

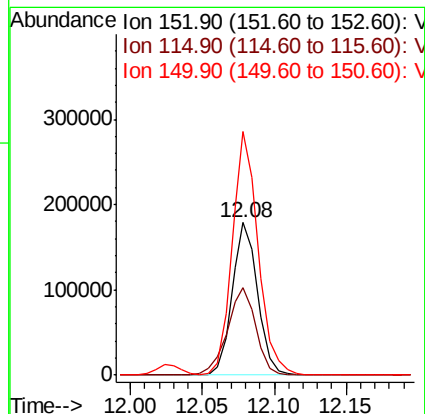
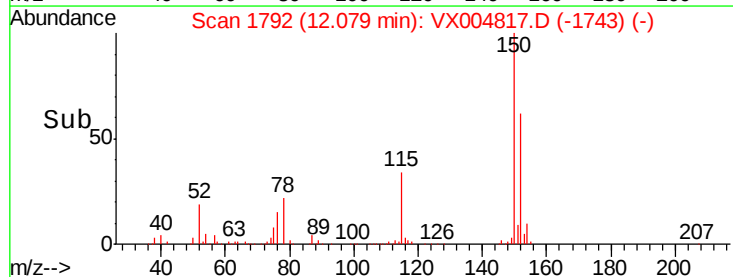
152 100

115 64.6 39.0 117.0

150 163.6 0.0 351.0



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





#73

Isopropylbenzene

Concen: 21.771 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS01

Tot Ion: 105 Resp: 301361

Ion Ratio Lower Upper

105 100

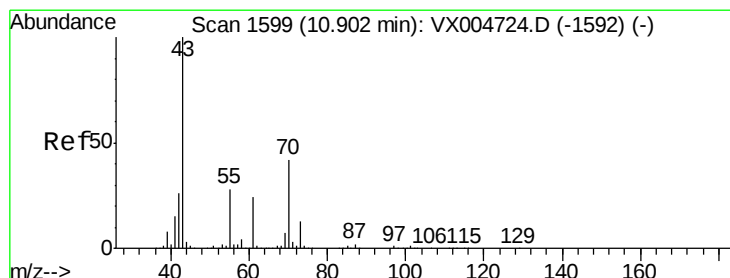
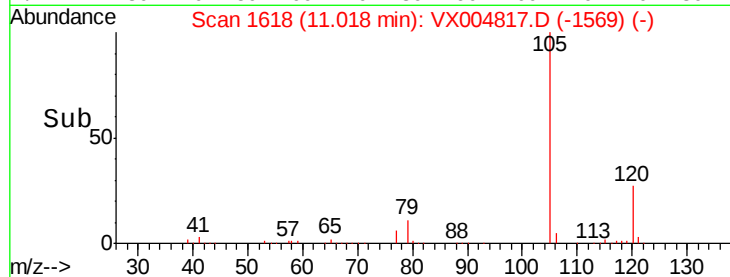
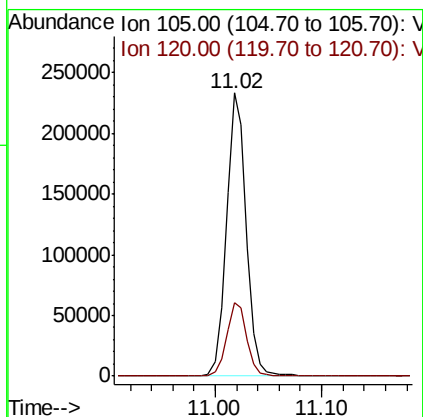
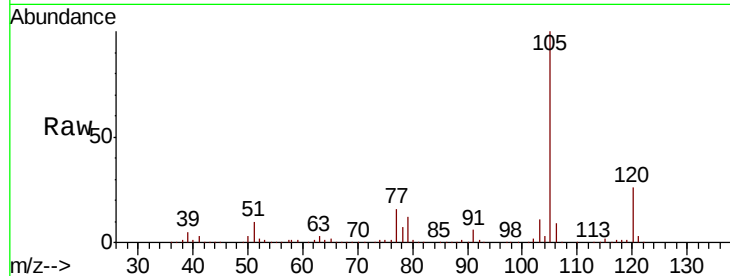
120 26.7 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.108 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Tgt Ion: 43 Resp: 136869

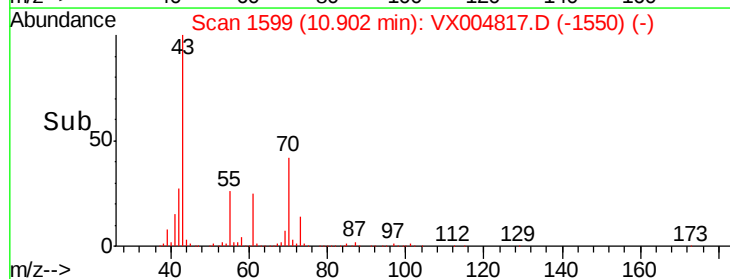
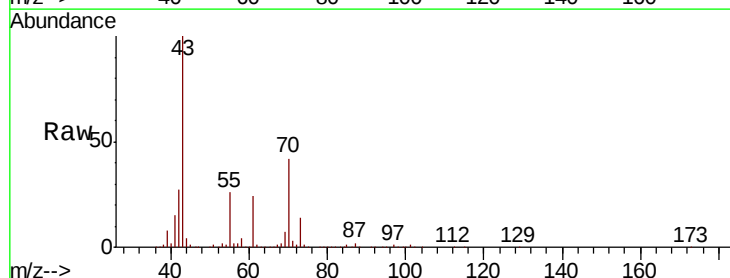
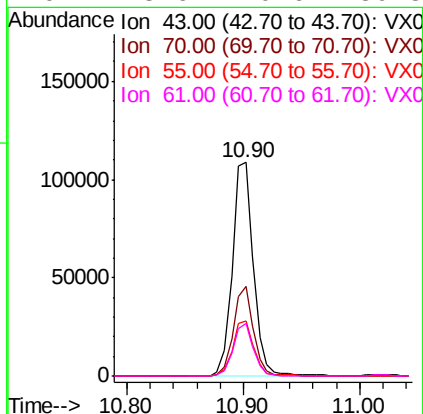
Ion Ratio Lower Upper

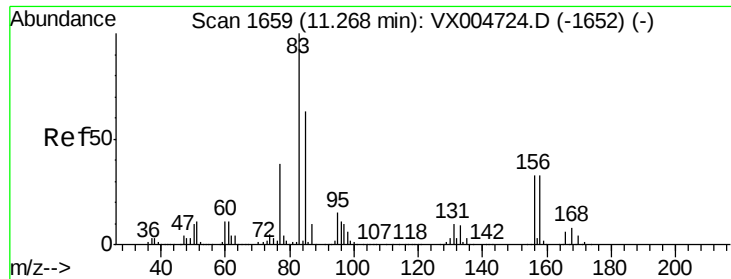
43 100

70 40.4 37.4 56.0

55 25.6 21.8 32.8

61 23.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.346 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

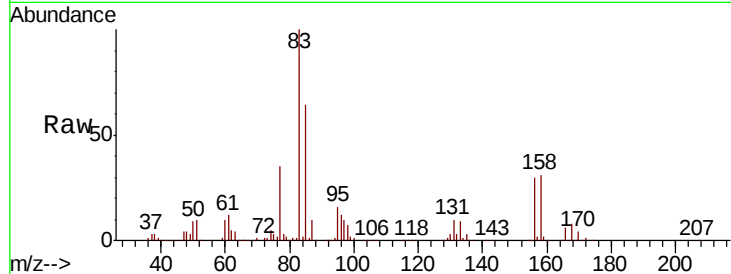
VX0928WBS01

Tot Ion: 83 Resp: 103377
Ion Ratio Lower Upper

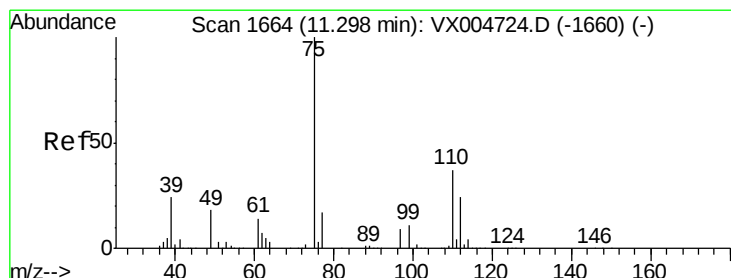
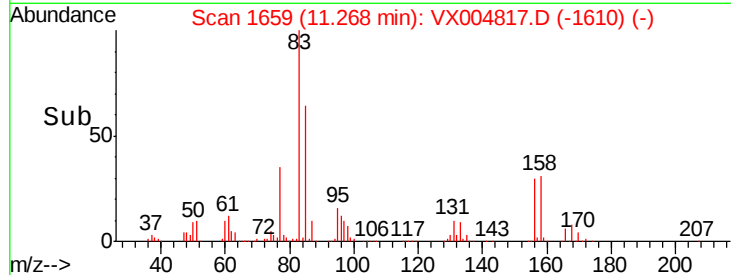
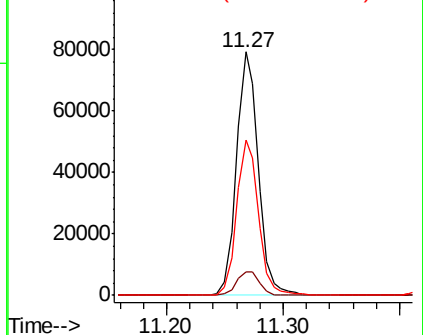
83	100		
131	10.3	5.2	15.6
85	64.2	32.3	96.8

Manual Integrations
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10/1/2018 1:31:27 PM



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



#76

1,2,3-Trichloropropane

Concen: 18.971 ug/l m

RT: 11.30 min Scan# 1664

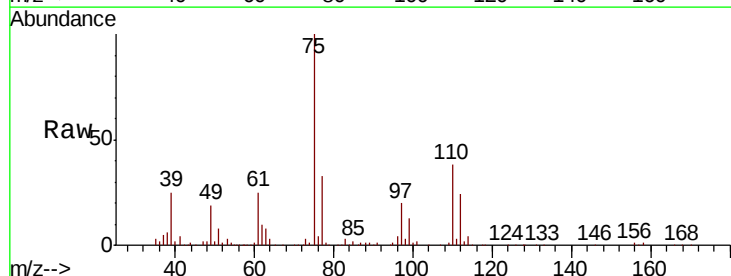
Delta R.T. -0.00 min

Lab File: VX004817.D

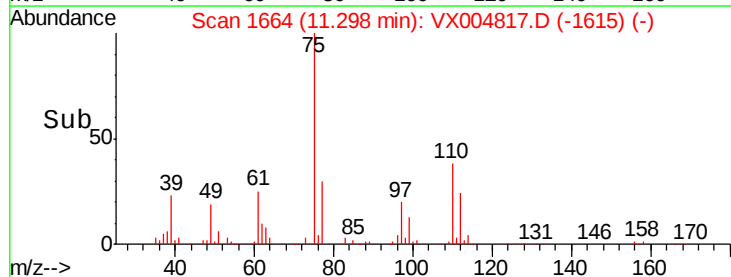
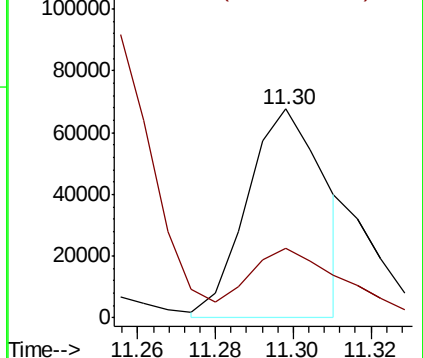
Acq: 28 Sep 2018 13:25

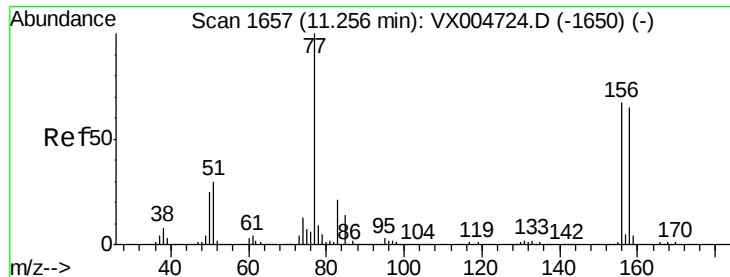
Tgt Ion: 75 Resp: 93379
Ion Ratio Lower Upper

75	100		
77	40.4	20.2	60.6



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





#77

Bromobenzene

Concen: 19.909 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBS01

Tot Ion:156 Resp: 80048

Ion Ratio Lower Upper

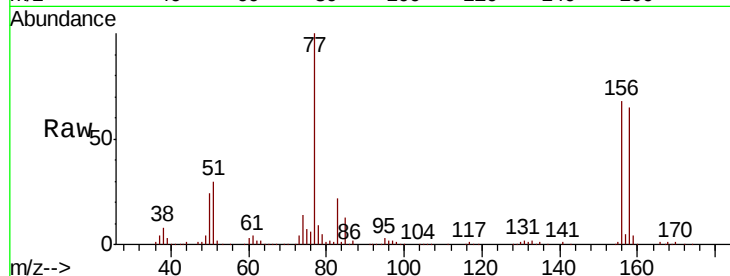
156 100

77 148.0 71.5 214.3

158 97.3 48.9 146.8

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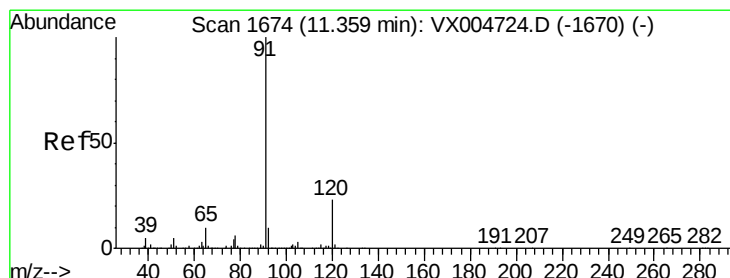
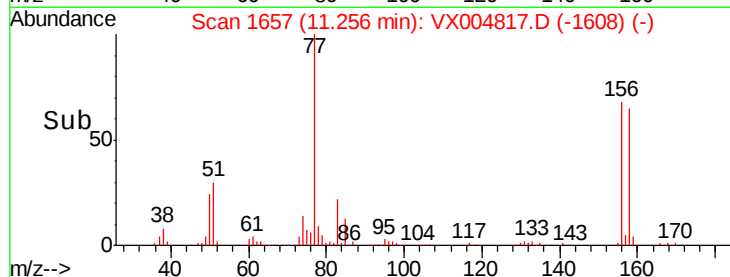
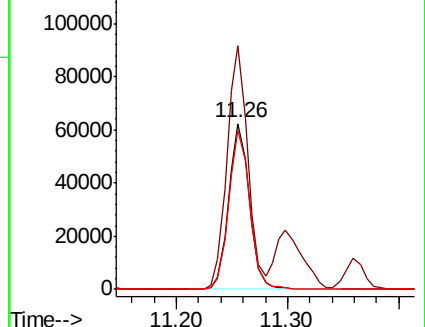
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.996 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004817.D

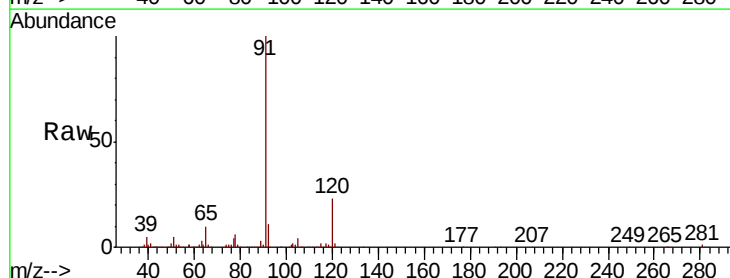
Acq: 28 Sep 2018 13:25

Tgt Ion: 91 Resp: 349344

Ion Ratio Lower Upper

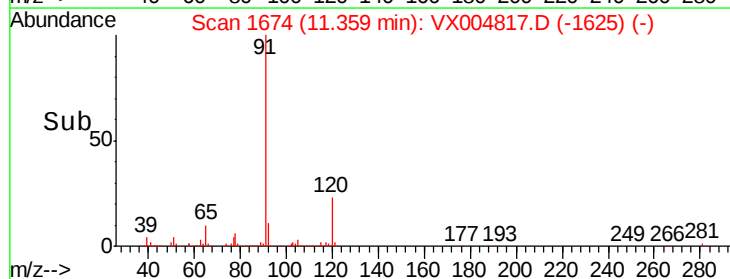
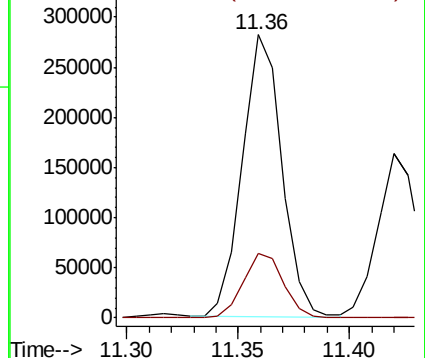
91 100

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: 20.783 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS01

Tot Ion: 91 Resp: 205746

Ion Ratio Lower Upper

91 100

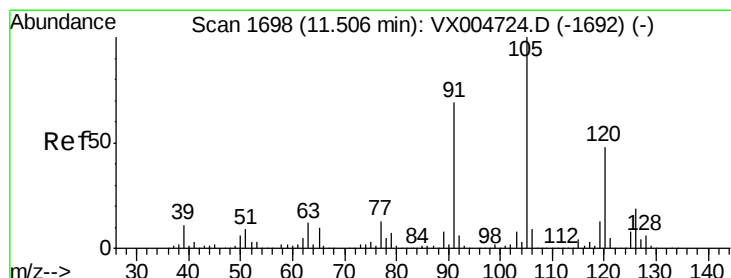
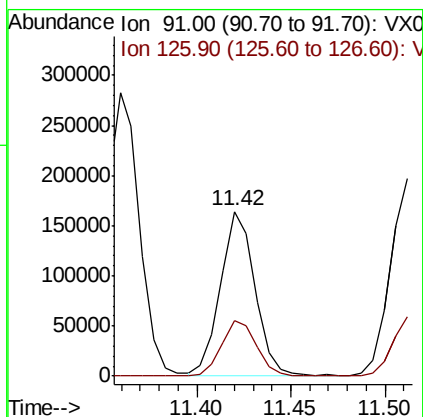
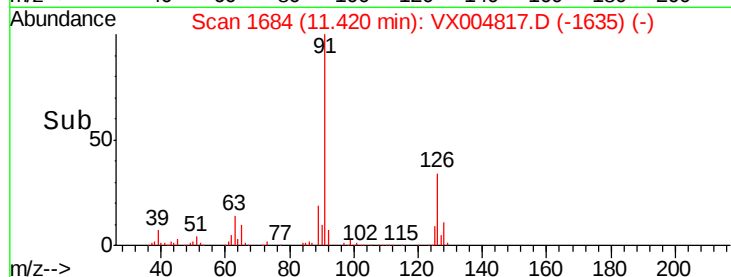
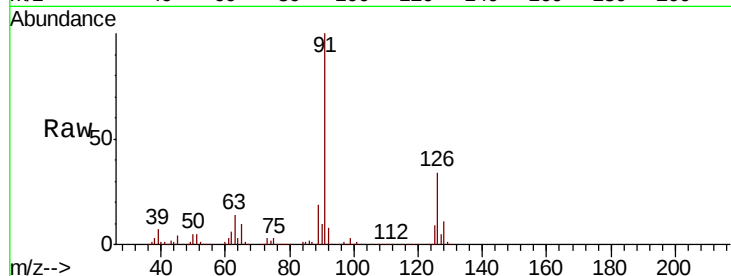
126 34.9 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.852 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004817.D

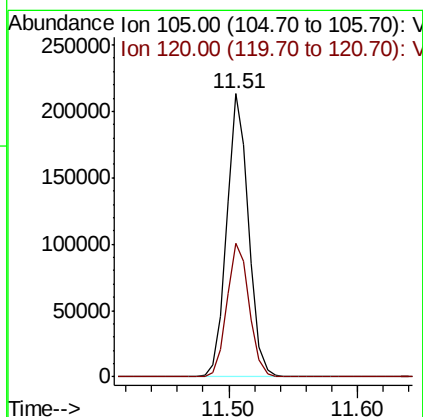
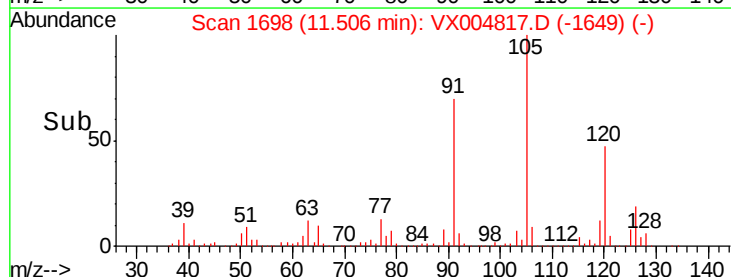
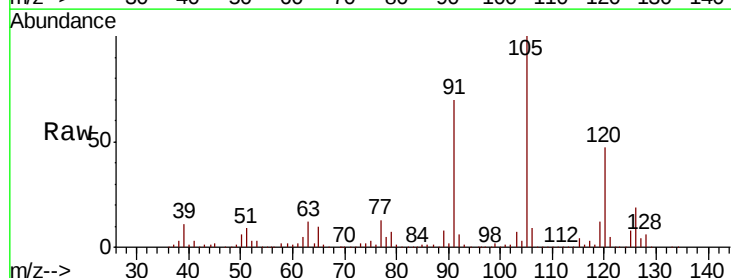
Acq: 28 Sep 2018 13:25

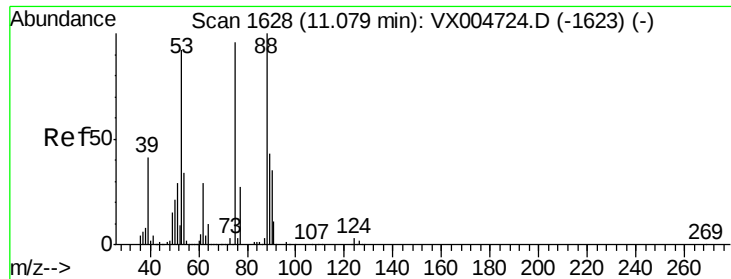
Tgt Ion: 105 Resp: 253372

Ion Ratio Lower Upper

105 100

120 48.6 25.6 76.8





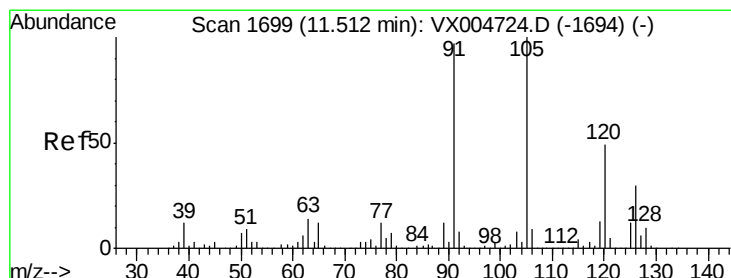
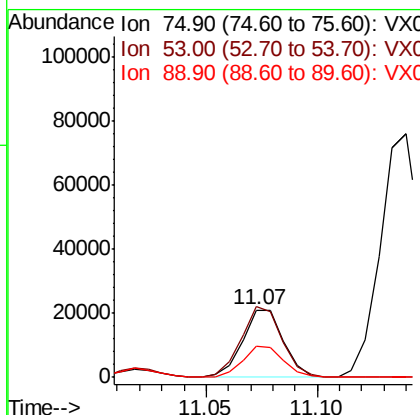
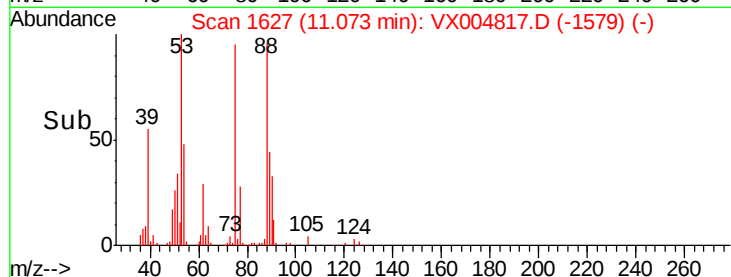
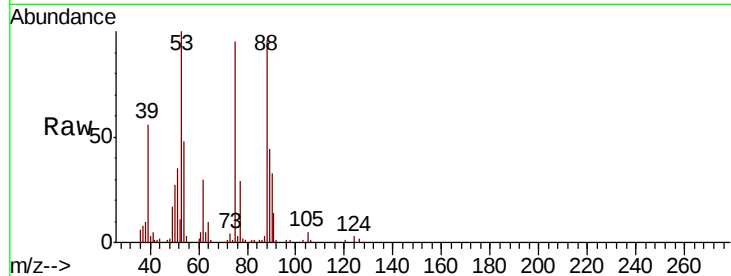
#81
trans-1,4-Dichloro-2-butene
Concen: 16.356 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	80.1	120.1
89	46.9	37.2	55.8

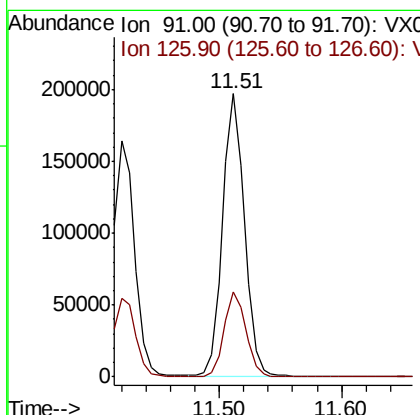
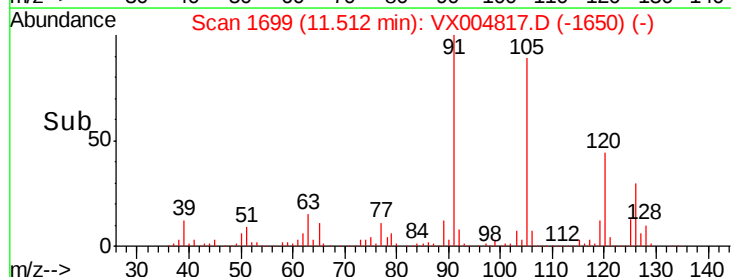
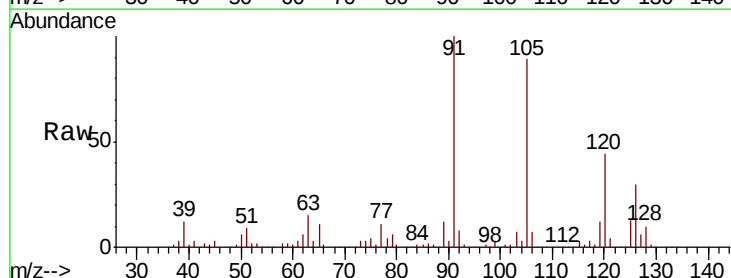
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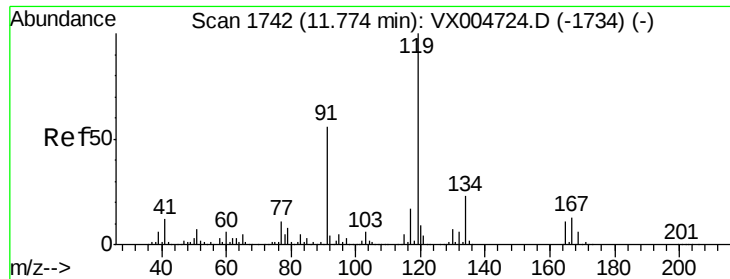
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#82
4-Chlorotoluene
Concen: 21.107 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.5	46.5





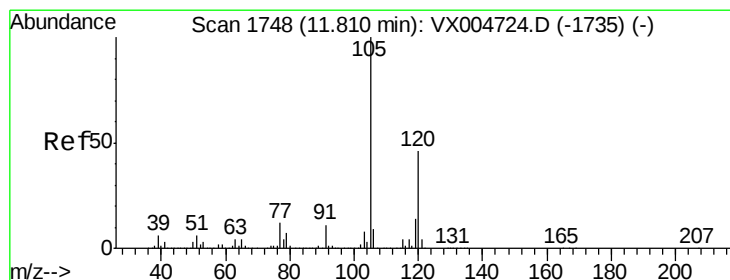
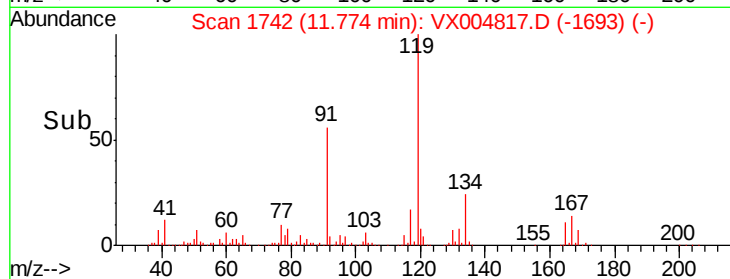
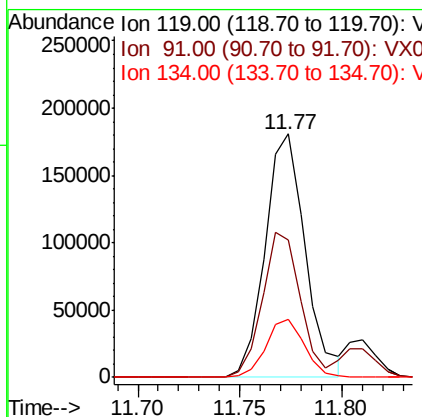
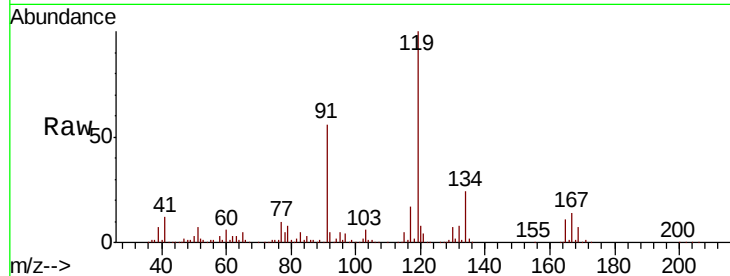
#83
 tert-Butylbenzene
 Concen: 21.757 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		247960		
91	56.3	27.0	81.0		
134	23.0	11.7	35.1		

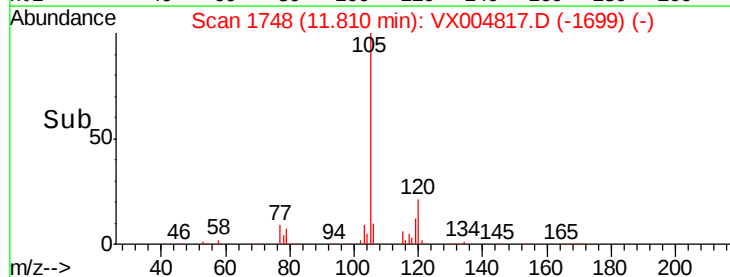
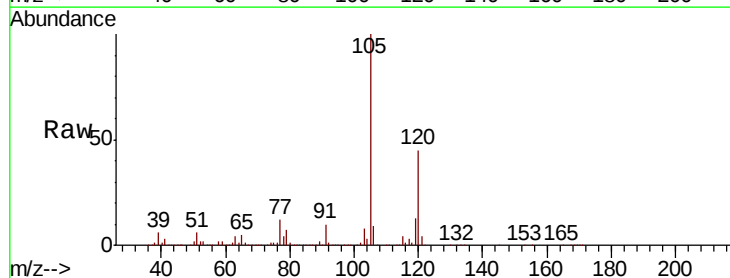
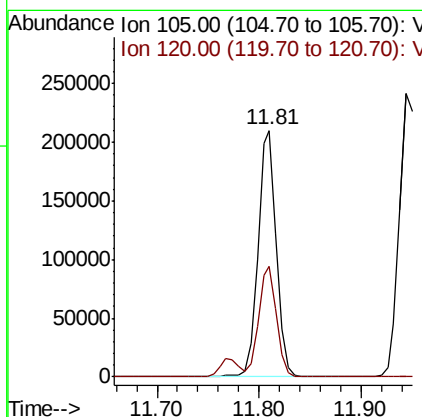
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.097 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		264498		
120	44.2	23.2	69.6		





#85

sec-Butylbenzene

Concen: 22.029 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VX0928WBS01

Tot Ion:105 Resp: 305796

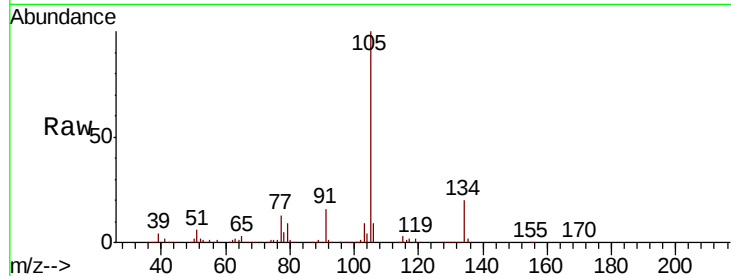
Ion Ratio Lower Upper

105 100

134 20.1 10.5 31.5

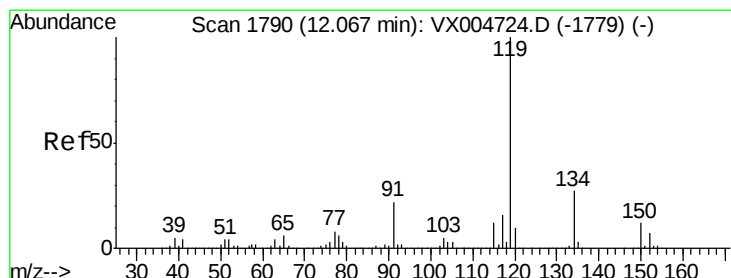
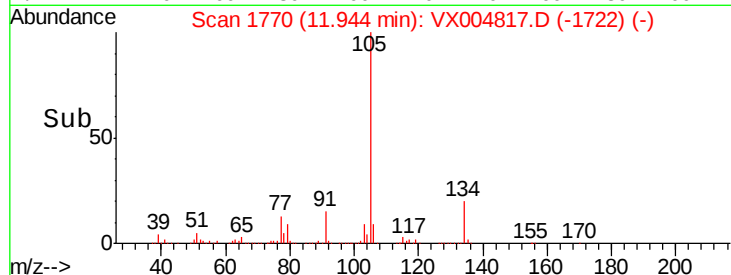
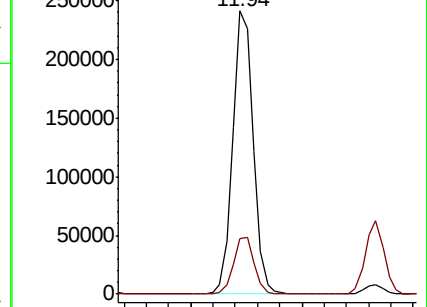
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.956 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

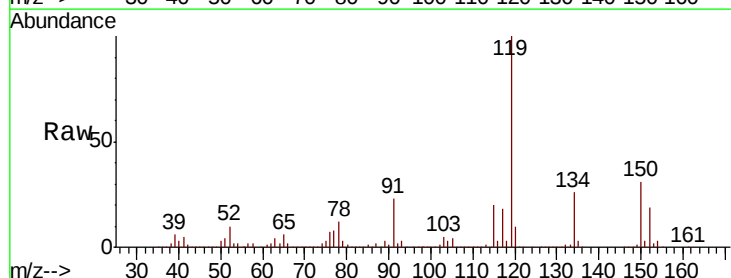
Tgt Ion:119 Resp: 276137

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

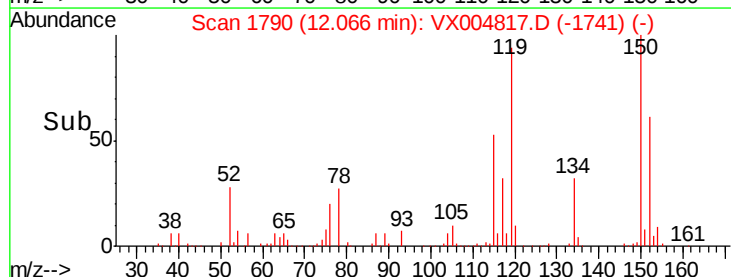
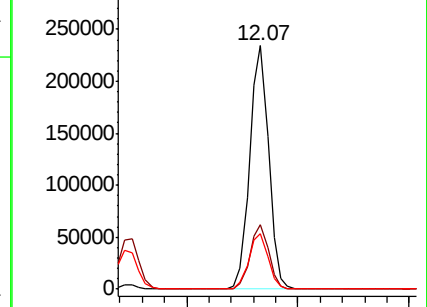
91 23.2 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





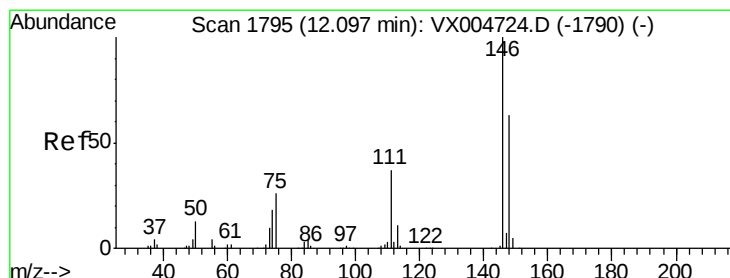
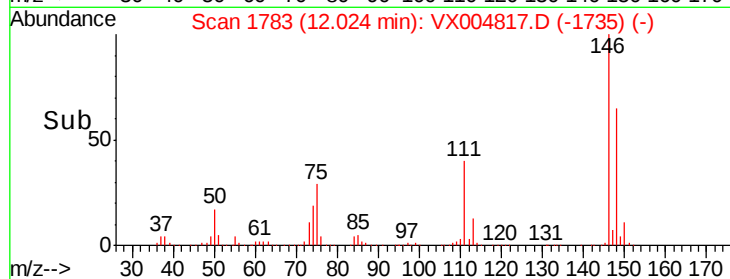
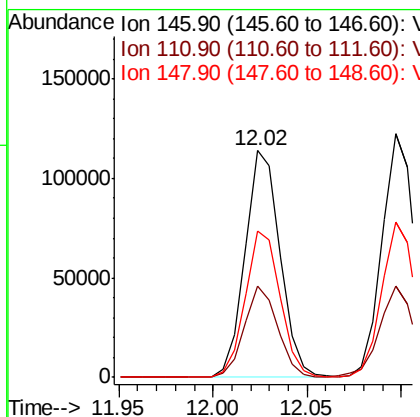
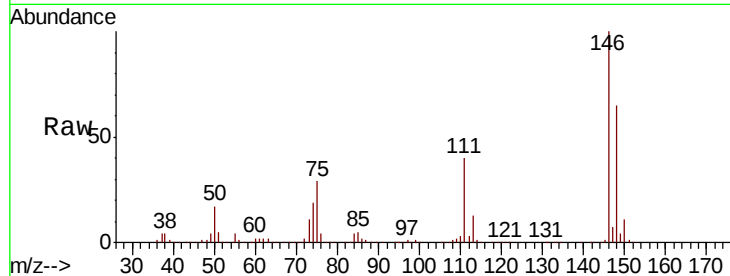
#87
 1,3-Dichlorobenzene
 Concen: 19.623 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.7	56.1
148	64.2	32.1	96.5

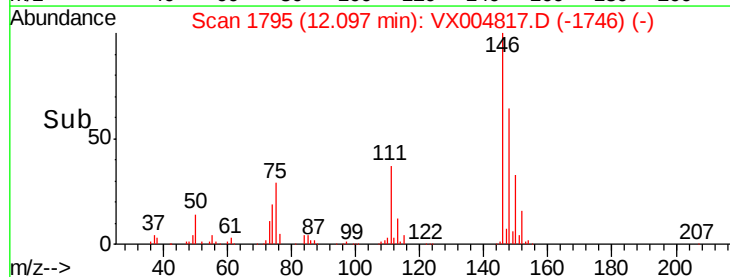
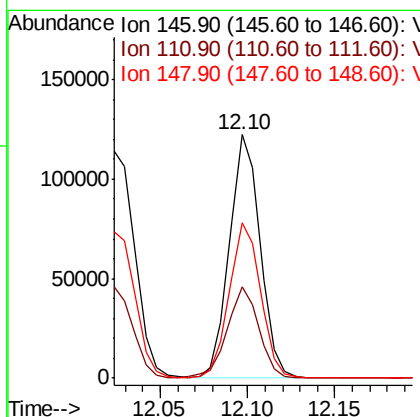
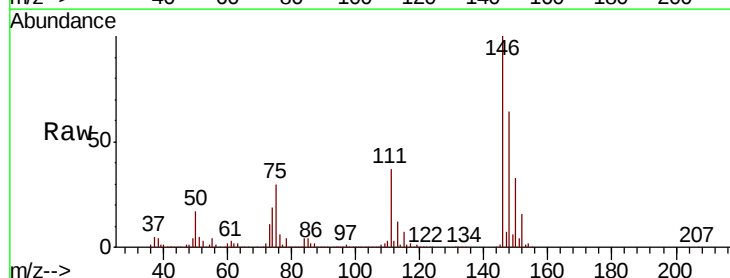
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#88
 1,4-Dichlorobenzene
 Concen: 19.357 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.1	54.1
148	65.0	32.0	96.0





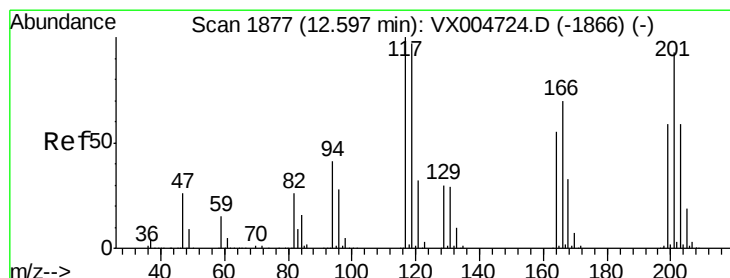
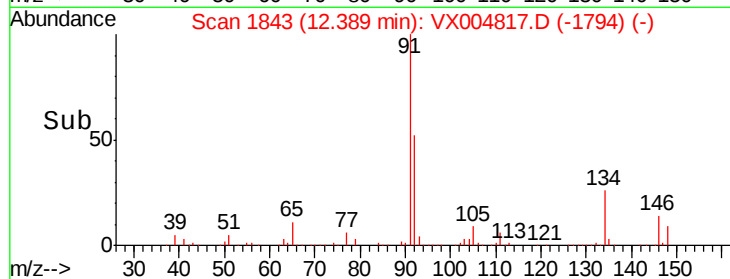
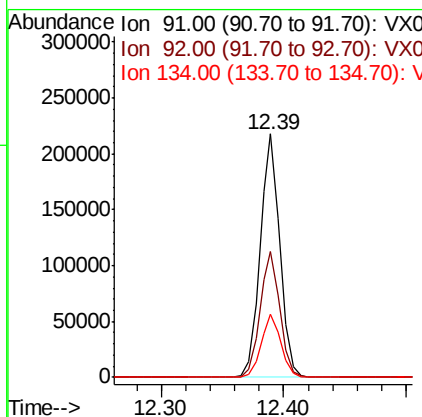
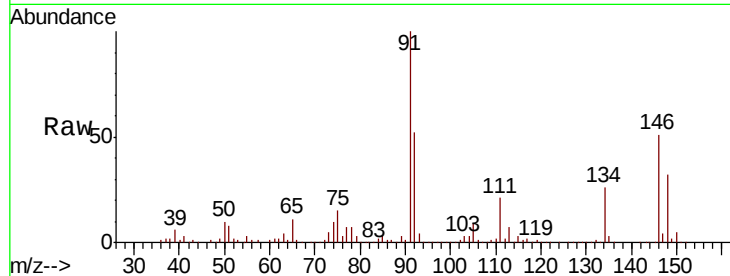
#89
n-Butylbenzene
Concen: 21.431 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.3	81.9
134	25.8	13.6	40.7

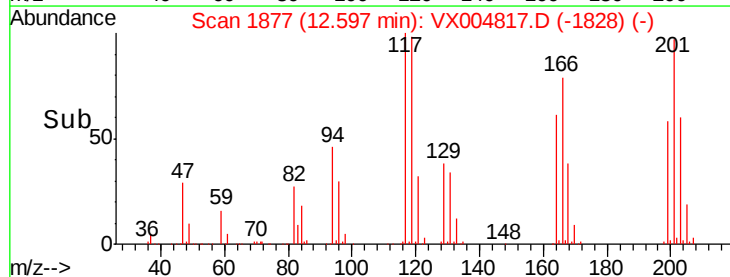
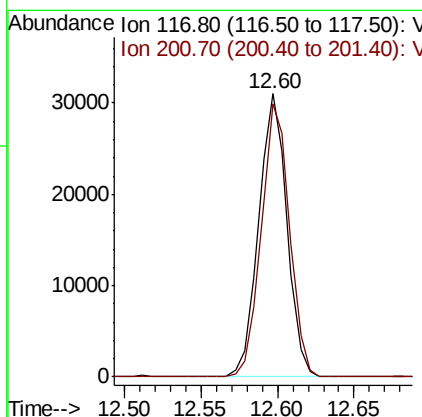
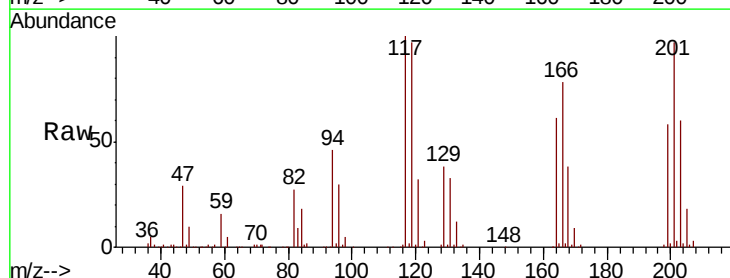
Manual Integrations
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#90
Hexachloroethane
Concen: 19.097 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004817.D
Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.6	46.9	140.6





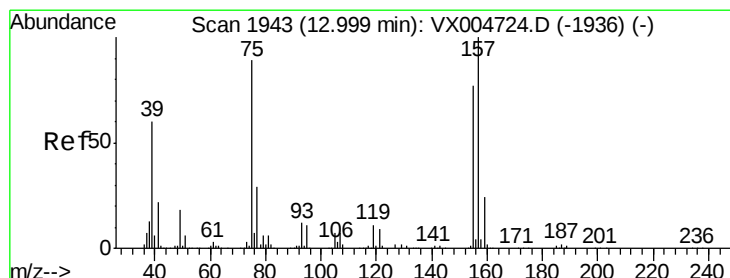
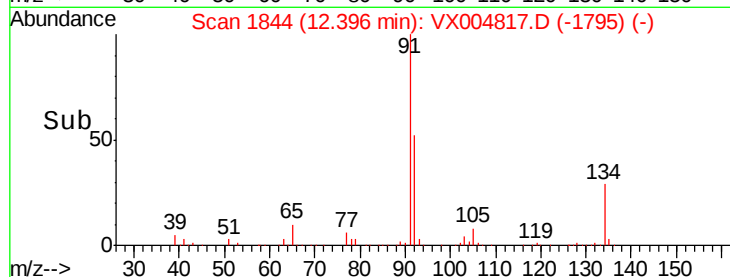
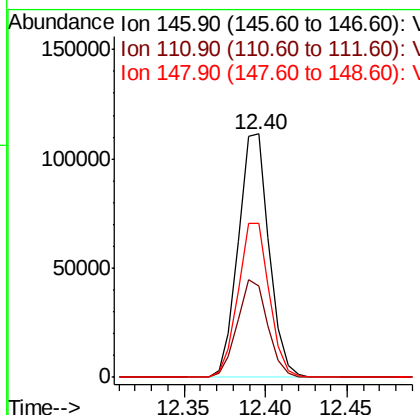
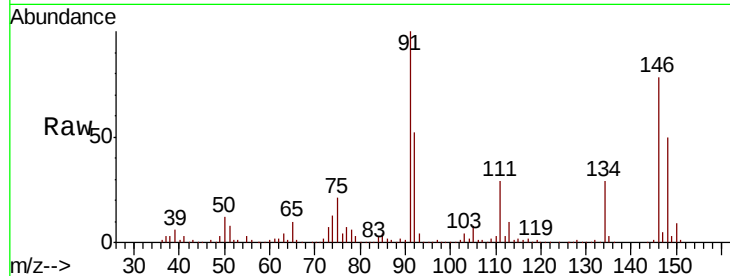
#91
 1,2-Dichlorobenzene
 Concen: 18.757 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Instrument :
 MSVOA_X
 ClientSampled :
 VX0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	147165		
111	39.6	19.4	58.1	
148	63.9	32.8	98.3	

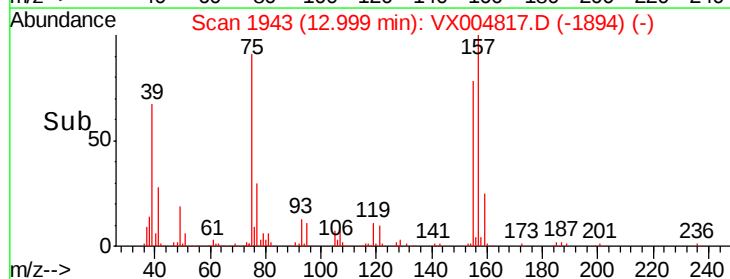
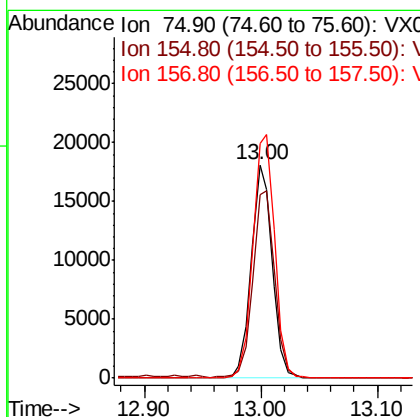
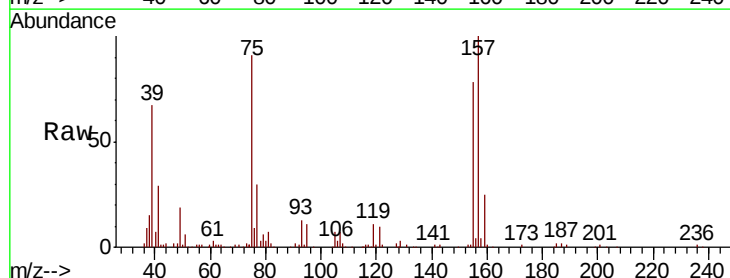
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.449 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004817.D
 Acq: 28 Sep 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22825		
155	91.2	48.0	144.2	
157	117.6	61.4	184.1	





#93

1,2,4-Trichlorobenzene

Concen: 19.802 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

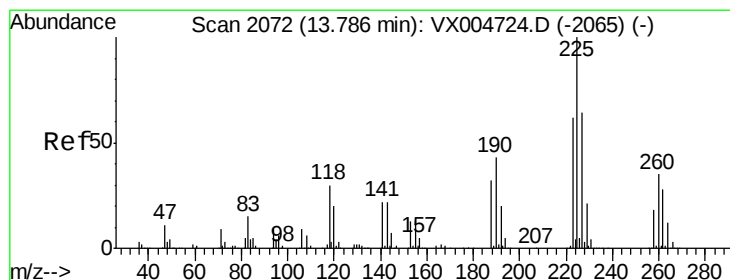
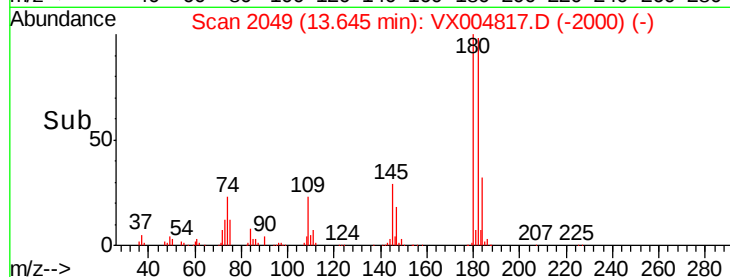
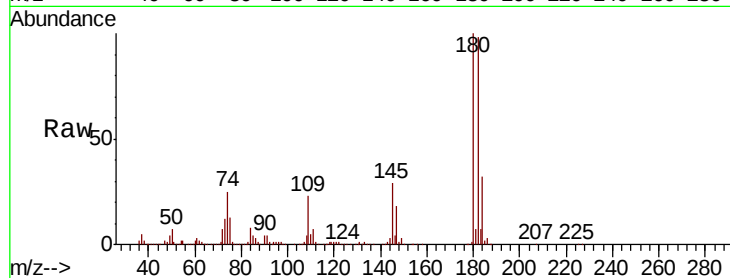
ClientSampleId :

VX0928WBS01

Tot Ion:	180	Resp:	108986
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.4	145.0
145	29.2	14.3	42.9

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:31:27 PM



#94

Hexachlorobutadiene

Concen: 19.667 ug/l

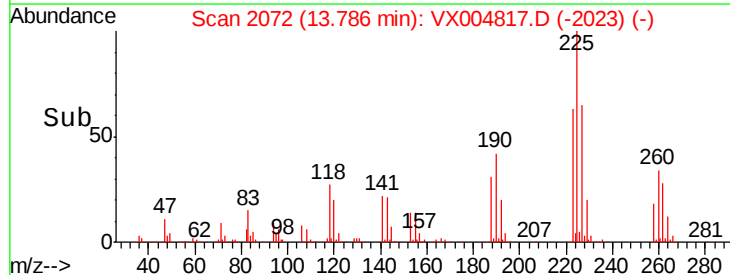
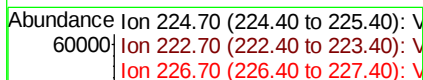
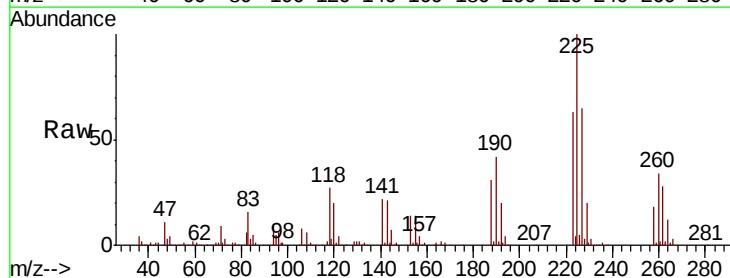
RT: 13.79 min Scan# 2072

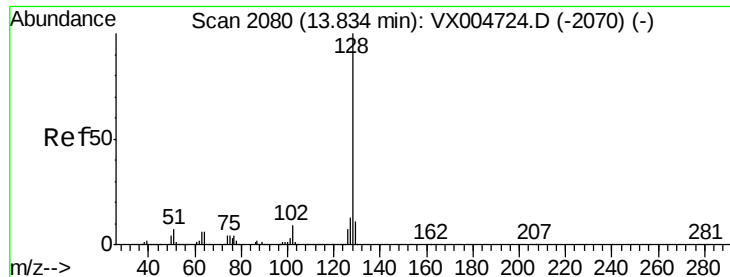
Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Tgt Ion:	225	Resp:	56129
Ion Ratio	Lower	Upper	
225	100		
223	62.6	30.1	90.5
227	64.8	30.8	92.4





#95

Naphthalene

Concen: 18.967 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Instrument :

MSVOA_X

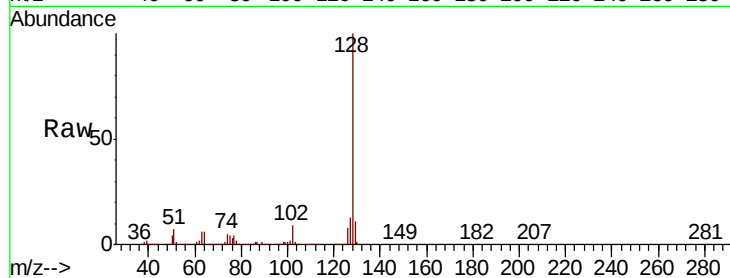
ClientSampleId :

VX0928WBS01

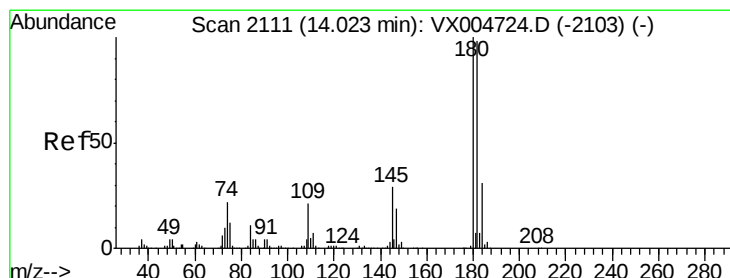
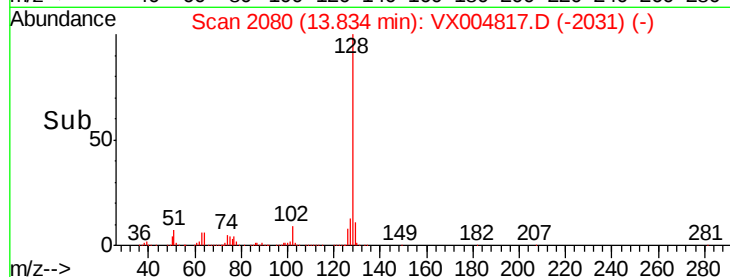
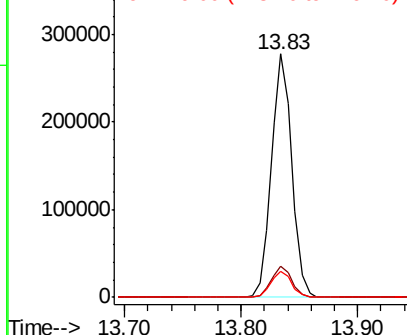
Tot Ion:	128	Resp:	338202
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.133 ug/l

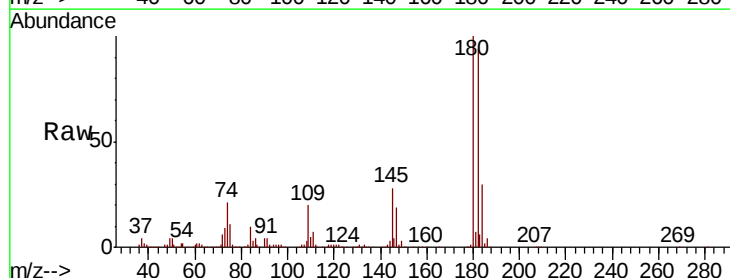
RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004817.D

Acq: 28 Sep 2018 13:25

Tgt Ion:	180	Resp:	114466
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.5	145.6
145	30.1	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

