

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004819.D
 Acq On : 28 Sep 2018 14:18
 Operator : JC/MD
 Sample : VX0928WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Manual Integrations
 APPROVED

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 10/1/2018 1:31:28 PM

Quant Time: Sep 29 06:46:00 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	247841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375154	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	355211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175333	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	5.50	113	140475	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	
50) Toluene-d8	8.72	98	539028	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.14	95	196734	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	77297	22.874	ug/l	99
3) Chloromethane	1.32	50	84803	20.685	ug/l	98
4) Vinyl Chloride	1.40	62	84396	21.948	ug/l	100
5) Bromomethane	1.64	94	41262	18.096	ug/l	99
6) Chloroethane	1.72	64	49118	22.142	ug/l	98
7) Trichlorofluoromethane	1.93	101	106116	22.292	ug/l	98
8) Diethyl Ether	2.19	74	43129	20.855	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	58805	21.686	ug/l	97
10) Methyl Iodide	2.51	142	44528	12.271	ug/l	99
11) Tert butyl alcohol	3.07	59	110523	111.647	ug/l	100
12) 1,1-Dichloroethene	2.37	96	57105	21.265	ug/l	95
13) Acrolein	2.29	56	55121	78.260	ug/l	96
14) Allyl chloride	2.73	41	128009	21.847	ug/l	94
15) Acrylonitrile	3.15	53	232969	106.905	ug/l	99
16) Acetone	2.45	43	212452	102.785	ug/l	97
17) Carbon Disulfide	2.57	76	161316	19.991	ug/l	99
18) Methyl Acetate	2.78	43	118064	22.545	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	205917	22.230	ug/l	96
20) Methylene Chloride	2.85	84	65517	21.319	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	60831	20.693	ug/l	95
22) Diisopropyl ether	3.87	45	210518	21.336	ug/l	93
23) Vinyl Acetate	3.82	43	938595	103.924	ug/l	95
24) 1,1-Dichloroethane	3.70	63	116311	19.762	ug/l	98
25) 2-Butanone	4.70	43	311500	102.240	ug/l	94
26) 2,2-Dichloropropane	4.59	77	85571	20.879	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	66058	20.115	ug/l	94
28) Bromochloromethane	5.02	49	54931	19.819	ug/l	88
29) Tetrahydrofuran	5.16	42	202626	107.002	ug/l	92
30) Chloroform	5.21	83	110421	19.851	ug/l	95
31) Cyclohexane	5.57	56	99863	22.169	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	92934	20.458	ug/l	98
36) 1,1-Dichloropropene	5.80	75	81908	18.882	ug/l	100
37) Ethyl Acetate	4.85	43	109484	19.013	ug/l	98
38) Carbon Tetrachloride	5.78	117	80709	17.699	ug/l	98

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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	93047	21.006	ug/l	94
40) Benzene	6.14	78	250528	18.447	ug/l	99
41) Methacrylonitrile	5.06	41	60994	19.100	ug/l	97
42) 1,2-Dichloroethane	6.20	62	90786	18.910	ug/l	97
43) Isopropyl Acetate	6.46	43	160335	19.292	ug/l	95
44) Trichloroethene	7.21	130	66017	19.774	ug/l	89
45) 1,2-Dichloropropane	7.52	63	68183	20.473	ug/l	99
46) Dibromomethane	7.66	93	42456	20.284	ug/l	96
47) Bromodichloromethane	7.90	83	80494	20.541	ug/l	96
48) Methyl methacrylate	7.78	41	82472	21.862	ug/l	95
49) 1,4-Dioxane	7.76	88	39363	420.011	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	575137	109.904	ug/l	93
52) Toluene	8.79	92	157086	21.050	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	87120	19.673	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	98585	21.254	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	64976	19.878	ug/l	96
56) Ethyl methacrylate	9.18	69	97380	20.170	ug/l	95
57) 1,3-Dichloropropane	9.37	76	109187	20.070	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	274679	106.210	ug/l	93
59) 2-Hexanone	9.49	43	450164	103.229	ug/l	93
60) Dibromochloromethane	9.59	129	64043	19.591	ug/l	99
61) 1,2-Dibromoethane	9.67	107	66220	18.916	ug/l	100
64) Tetrachloroethene	9.34	164	62036	17.745	ug/l	98
65) Chlorobenzene	10.14	112	173892	19.091	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	59729	18.652	ug/l	100
67) Ethyl Benzene	10.25	91	286719	19.827	ug/l	96
68) m/p-Xylenes	10.36	106	227682	40.291	ug/l	95
69) o-Xylene	10.70	106	108520	20.908	ug/l	97
70) Styrene	10.71	104	181311	20.018	ug/l	97
71) Bromoform	10.86	173	49659	18.114	ug/l #	97
73) Isopropylbenzene	11.02	105	293312	21.884	ug/l	99
74) N-amyl acetate	10.90	43	138023	19.828	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	104391	19.133	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	96285m	20.202	ug/l	
77) Bromobenzene	11.26	156	78737	20.225	ug/l	97
78) n-propylbenzene	11.36	91	336800	21.901	ug/l	99
79) 2-Chlorotoluene	11.42	91	202424	21.117	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	246978	19.986	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	27852	17.292	ug/l	97
82) 4-Chlorotoluene	11.51	91	239212	21.202	ug/l	98
83) tert-Butylbenzene	11.77	119	239381	21.693	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	254822	19.996	ug/l	98
85) sec-Butylbenzene	11.94	105	293727	21.853	ug/l	98
86) p-Isopropyltoluene	12.07	119	260414	21.384	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	143490	19.739	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	146158	19.477	ug/l	98
89) n-Butylbenzene	12.39	91	228143	20.628	ug/l	96
90) Hexachloroethane	12.60	117	39551	19.507	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	144138	18.973	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24195	20.197	ug/l	95

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ClientSampleId :
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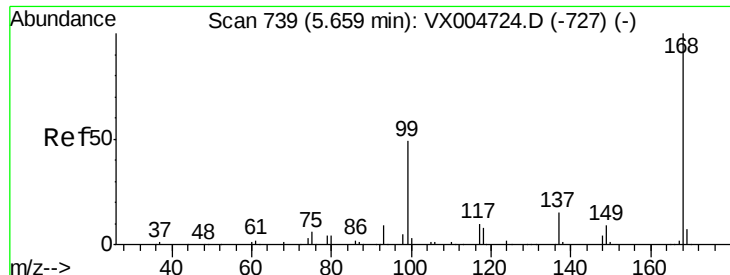
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103375	19.398	ug/l	100
94) Hexachlorobutadiene	13.79	225	51260	18.550	ug/l	96
95) Naphthalene	13.83	128	327824	18.987	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	107749	19.573	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion:168 Resp: 247841

Ion Ratio Lower Upper

168 100

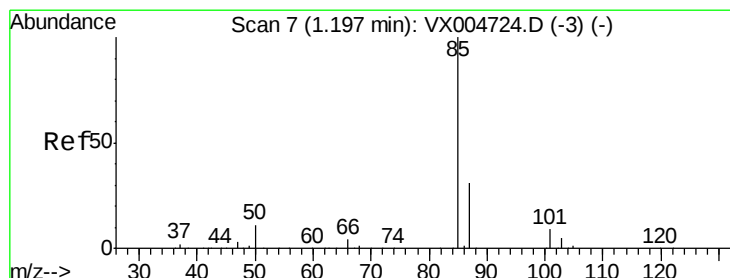
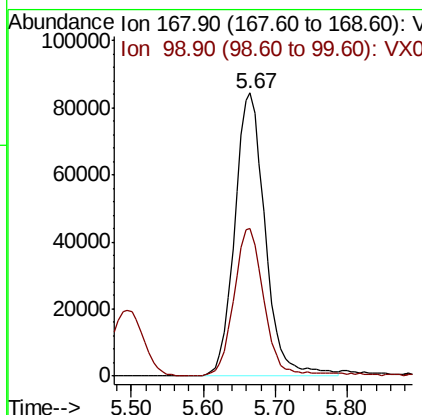
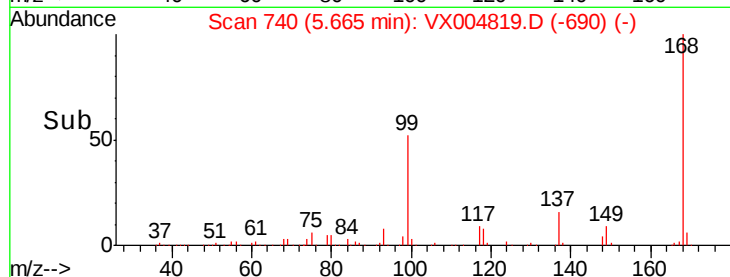
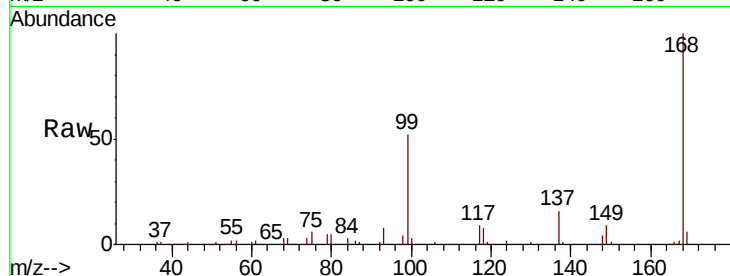
99 51.8 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.874 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004819.D

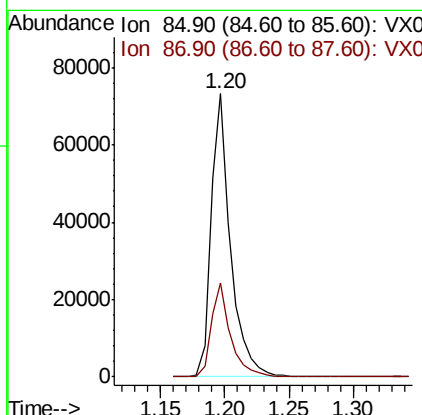
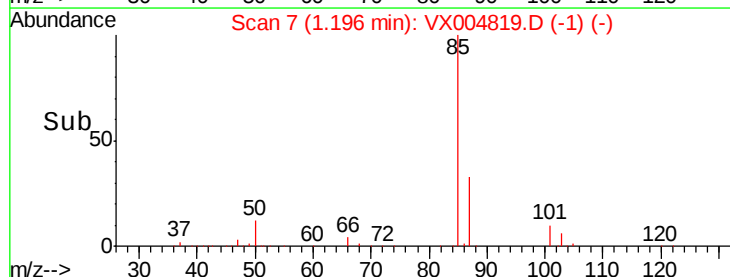
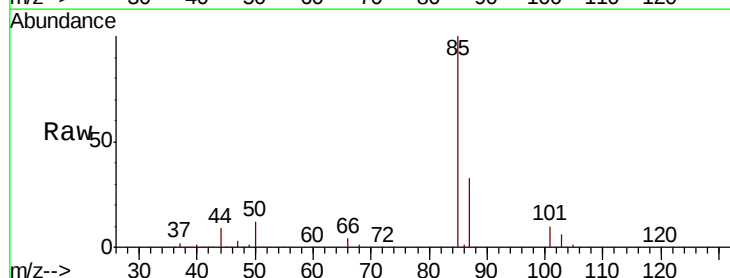
Acq: 28 Sep 2018 14:18

Tgt Ion: 85 Resp: 77297

Ion Ratio Lower Upper

85 100

87 33.2 17.0 50.9





#3

Chloromethane

Concen: 20.685 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 50 Resp: 84803

Ion Ratio Lower Upper

50 100

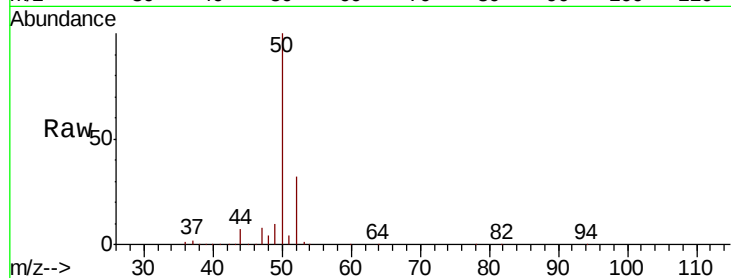
52 31.7 26.2 39.2

Manual Integrations

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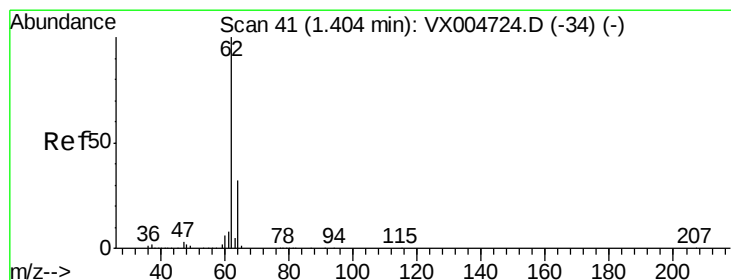
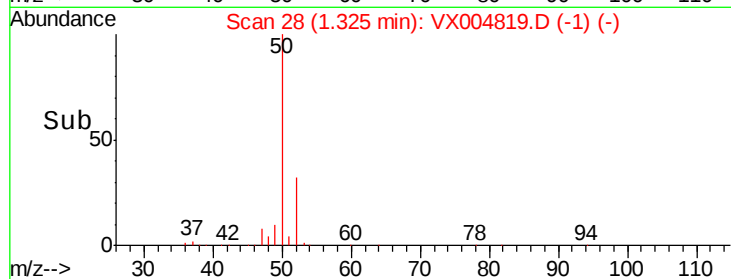
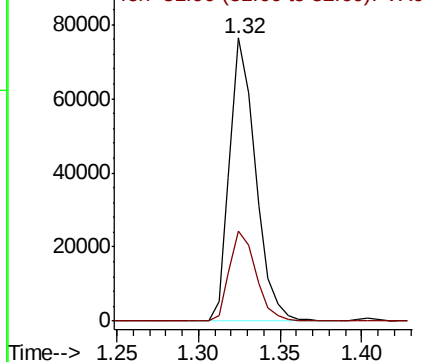
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.948 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004819.D

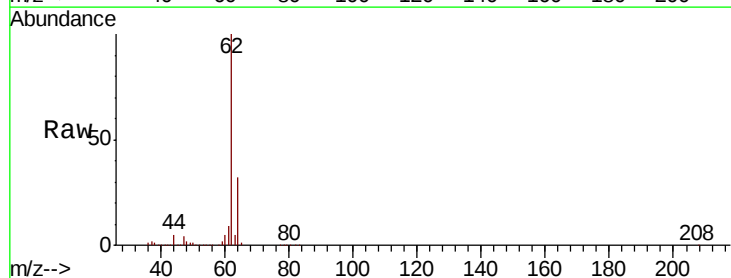
Acq: 28 Sep 2018 14:18

Tgt Ion: 62 Resp: 84396

Ion Ratio Lower Upper

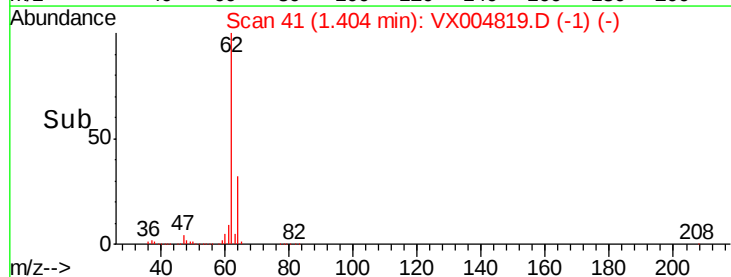
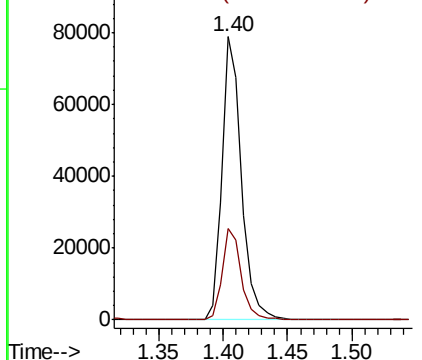
62 100

64 32.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.096 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 94 Resp: 41262

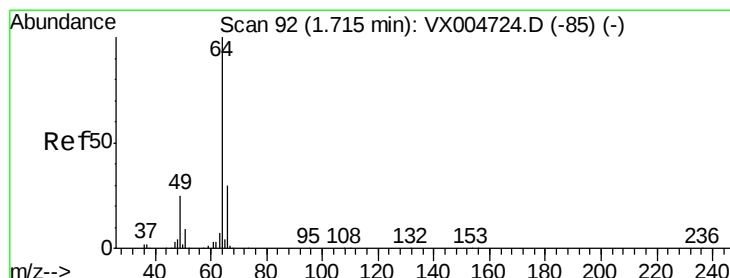
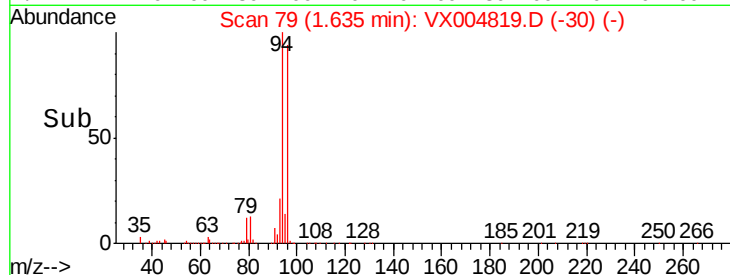
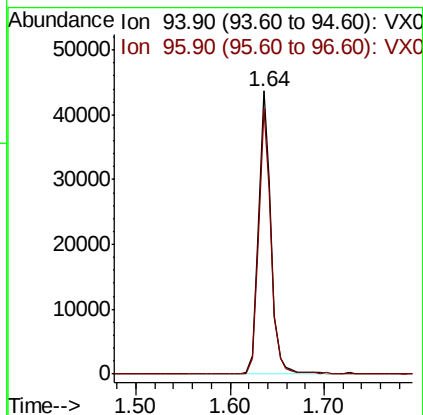
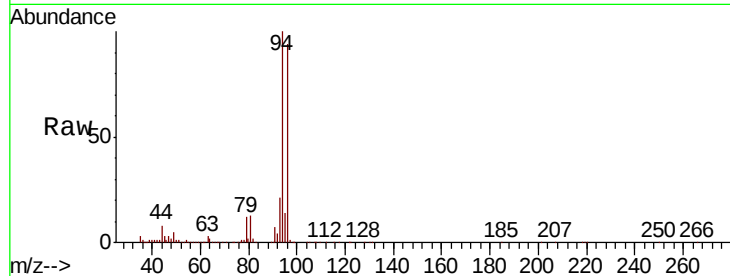
Ion Ratio Lower Upper

94 100

96 94.0 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 22.142 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004819.D

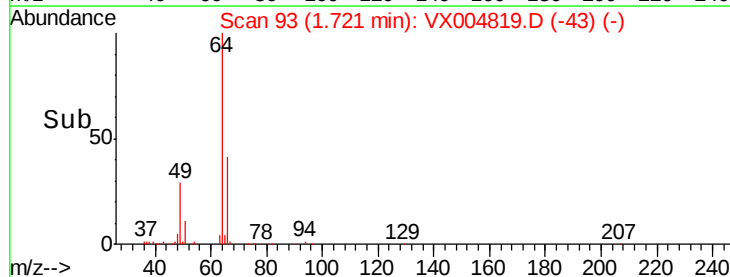
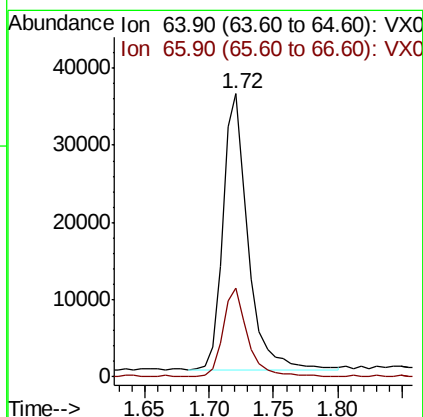
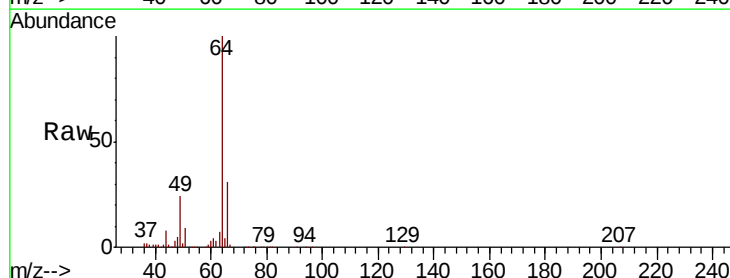
Acq: 28 Sep 2018 14:18

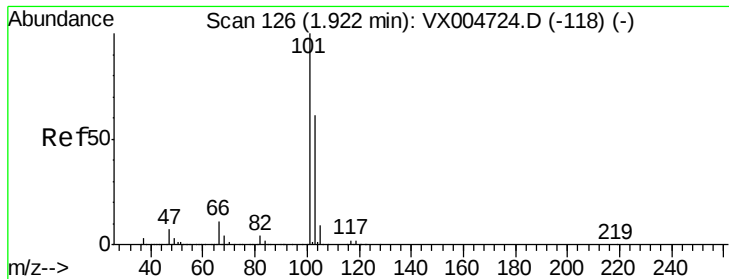
Tgt Ion: 64 Resp: 49118

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8





#7

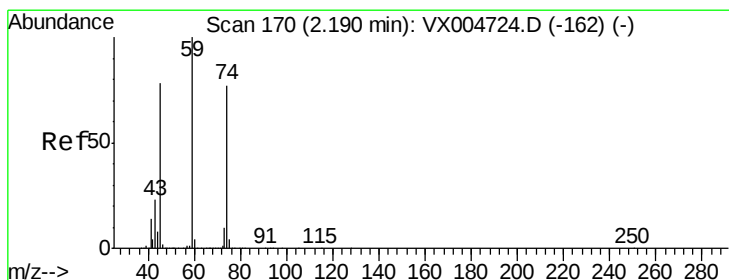
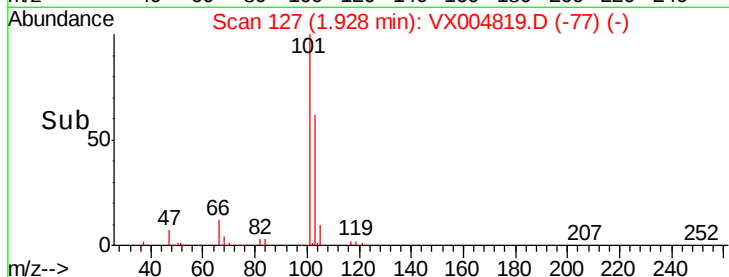
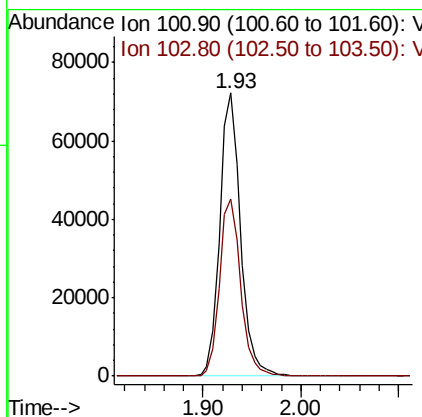
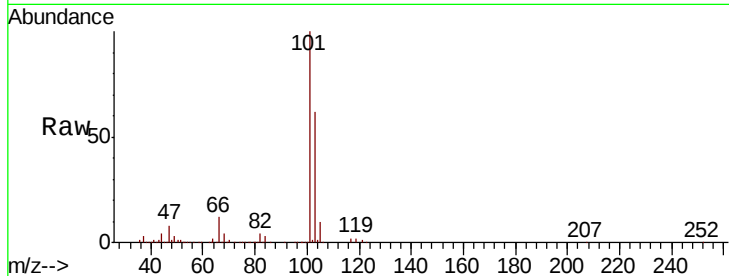
Trichlorofluoromethane
Concen: 22.292 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

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ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106116		
103	62.4	48.9	73.3	

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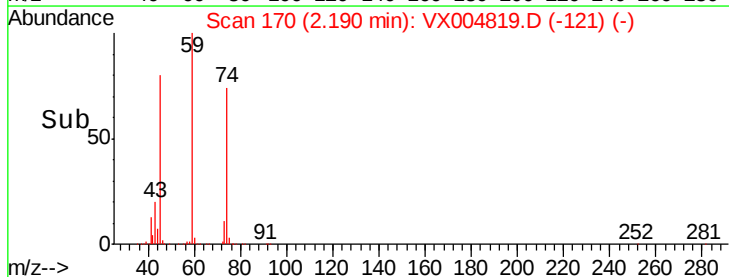
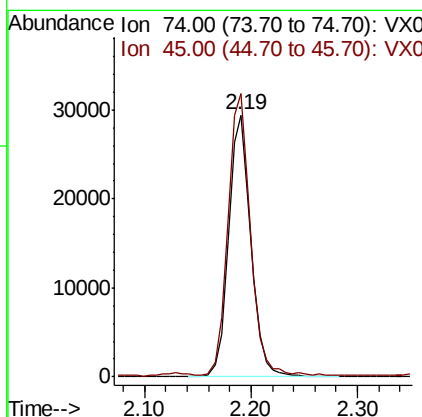
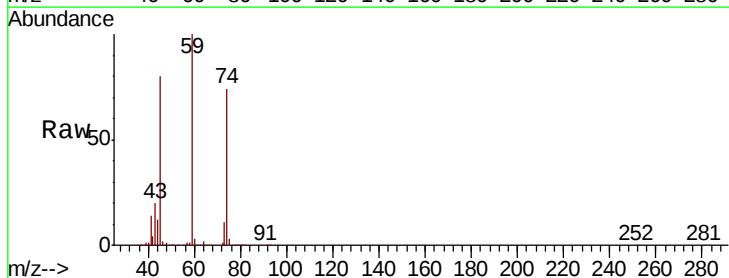
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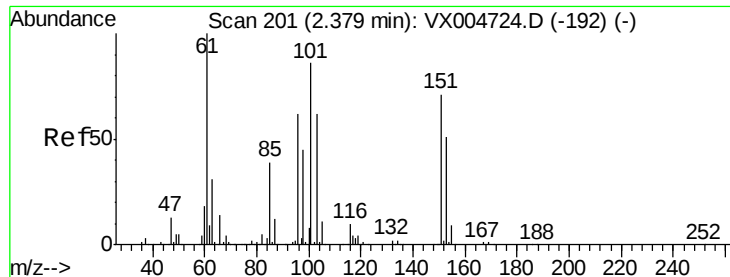


#8

Diethyl Ether
Concen: 20.855 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43129		
45	107.5	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.686 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

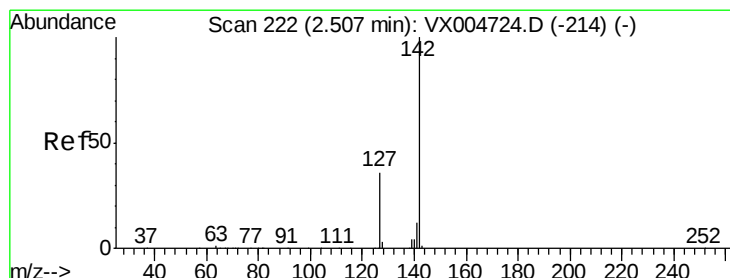
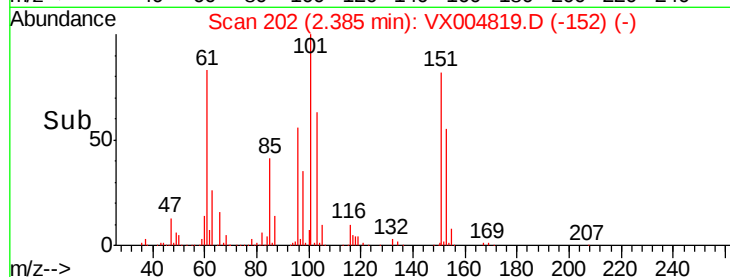
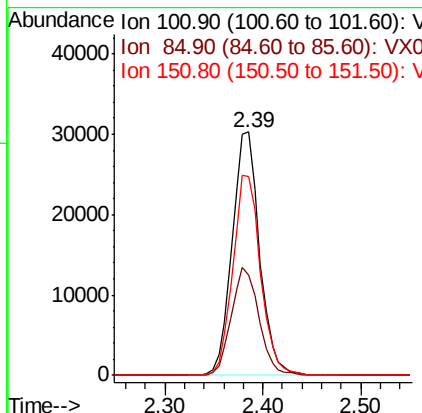
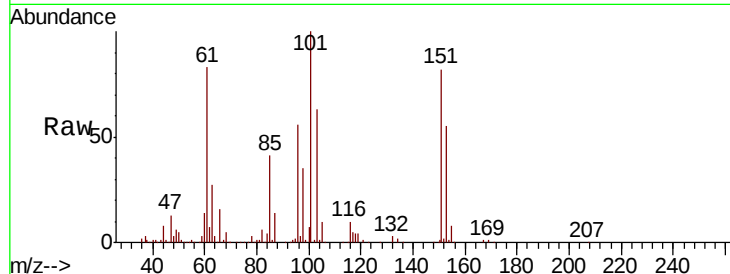
ClientSampleId :

VX0928WBSD01

Tot Ion:	101	Resp:	58805
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.2	51.4
151	83.3	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 12.271 ug/l

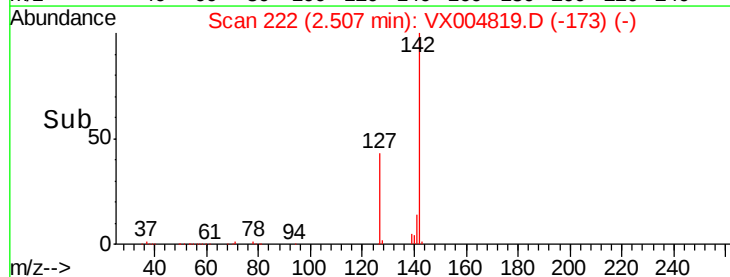
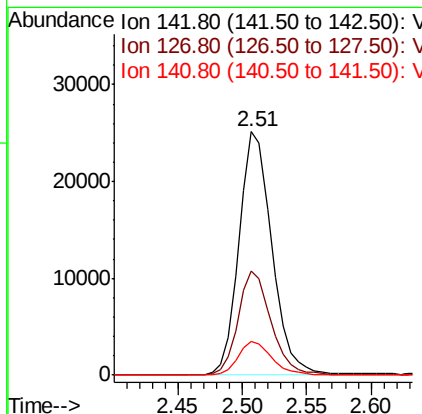
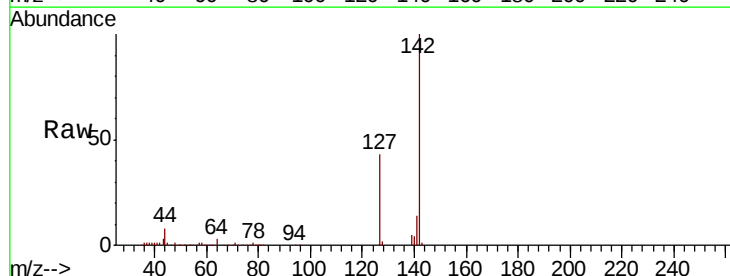
RT: 2.51 min Scan# 222

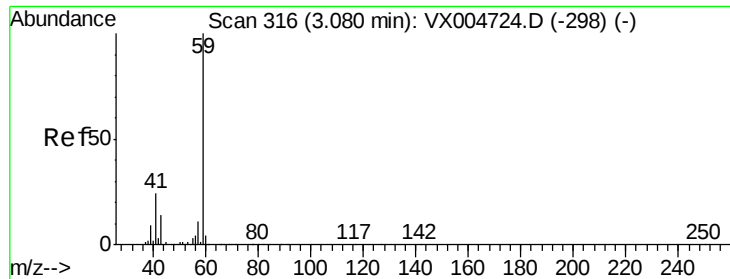
Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion:	142	Resp:	44528
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.8	50.6
141	14.1	11.4	17.0





#11

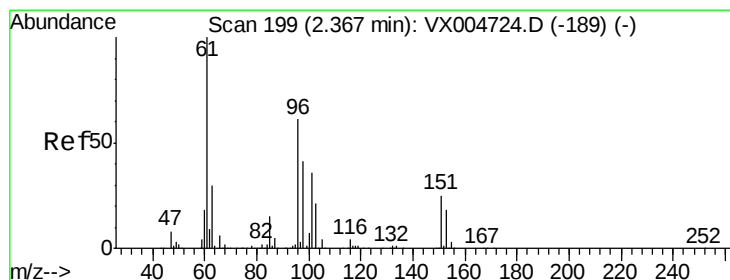
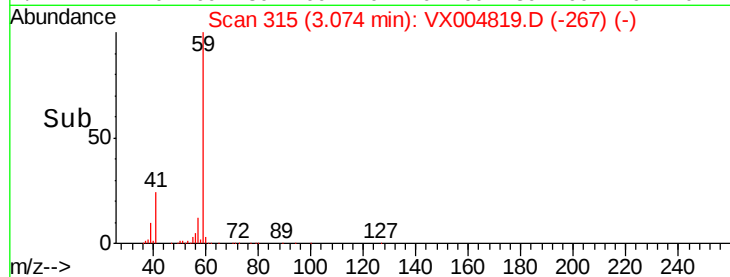
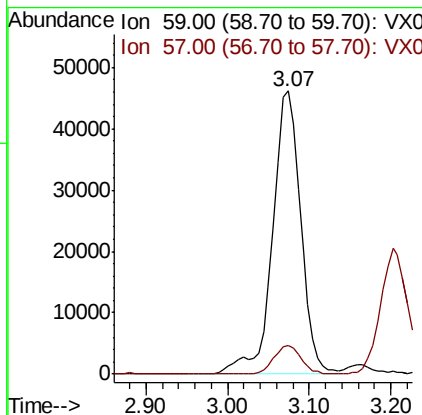
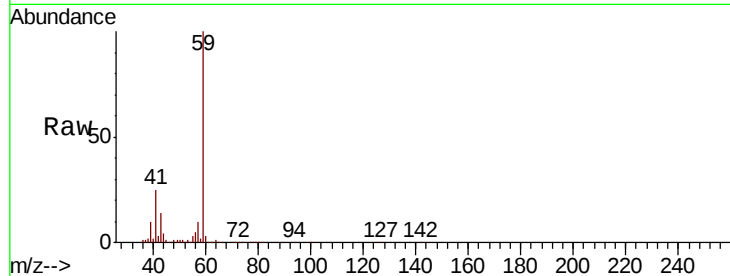
Tert butyl alcohol
Concen: 111.647 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
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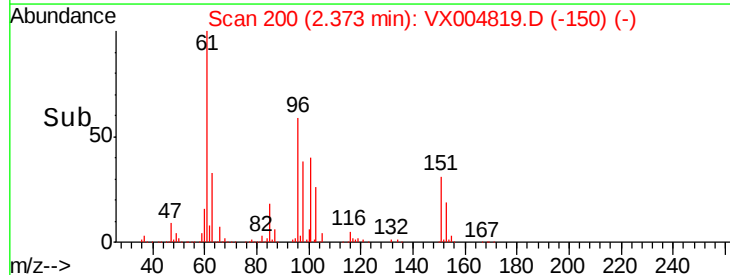
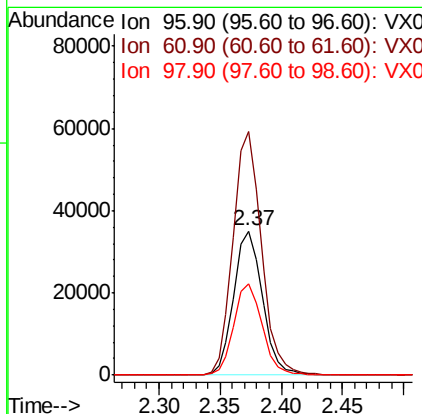
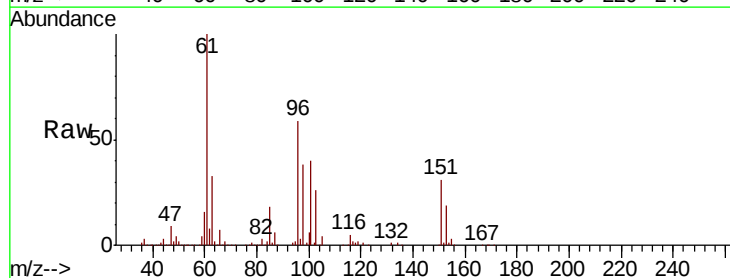
MMDadoda
10/1/2018 1:31:28 PM

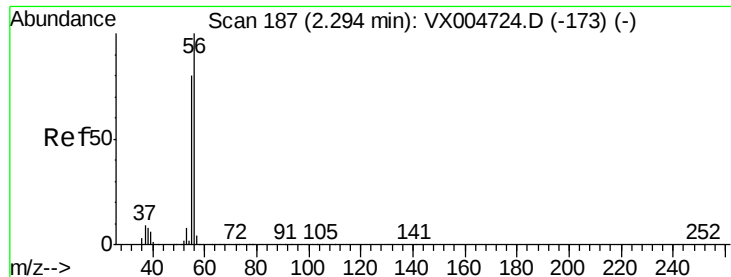


#12

1,1-Dichloroethene
Concen: 21.265 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.5	128.8	193.2
98	63.5	52.2	78.2





#13

Acrolein

Concen: 78.260 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 56 Resp: 55121

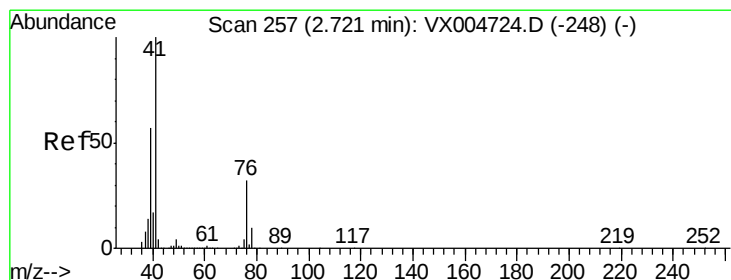
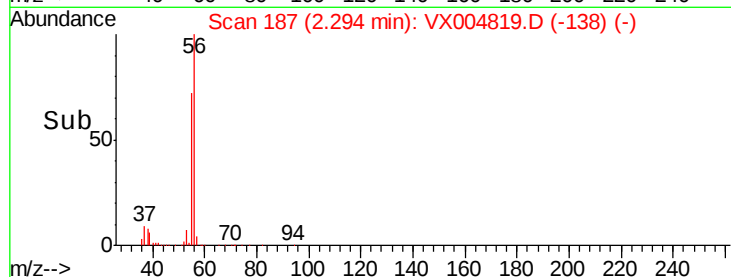
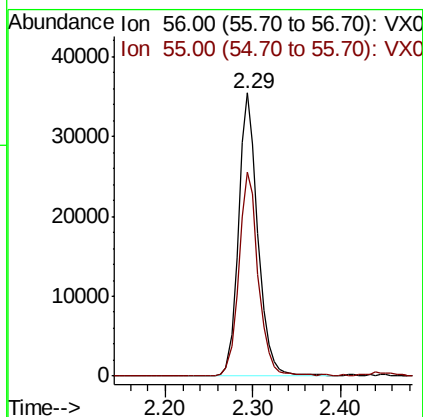
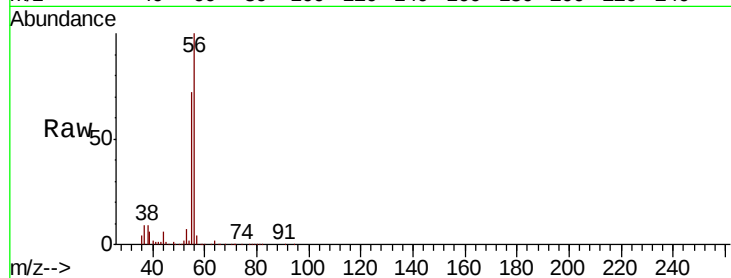
Ion Ratio Lower Upper

56 100

55 71.2 54.7 82.1

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 21.847 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

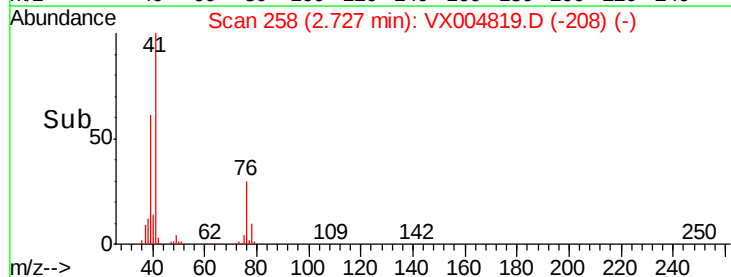
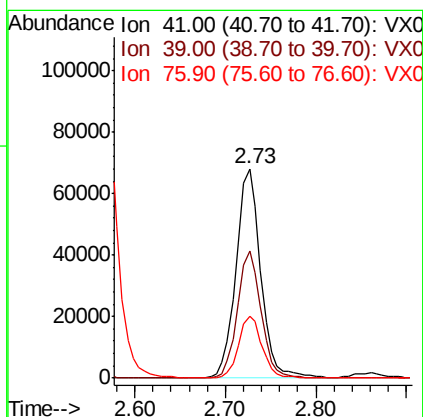
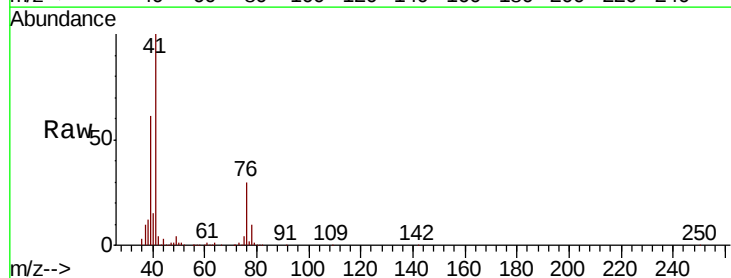
Tgt Ion: 41 Resp: 128009

Ion Ratio Lower Upper

41 100

39 58.1 48.9 73.3

76 28.6 26.7 40.1





#15

Acrylonitrile

Concen: 106.905 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

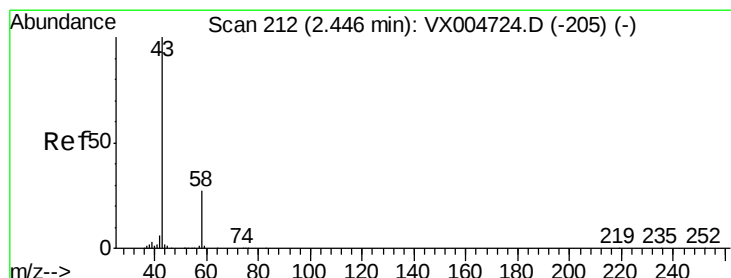
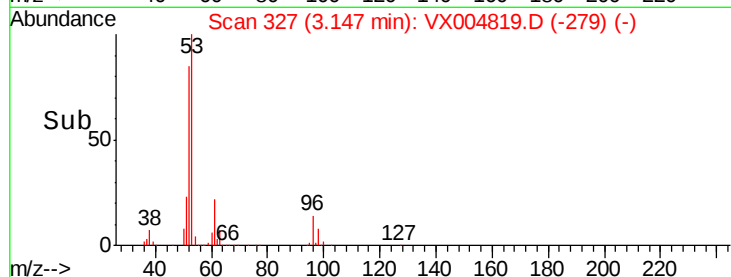
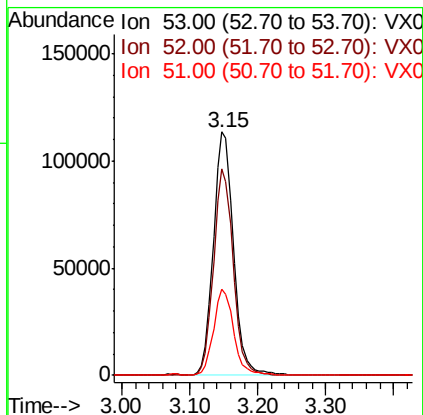
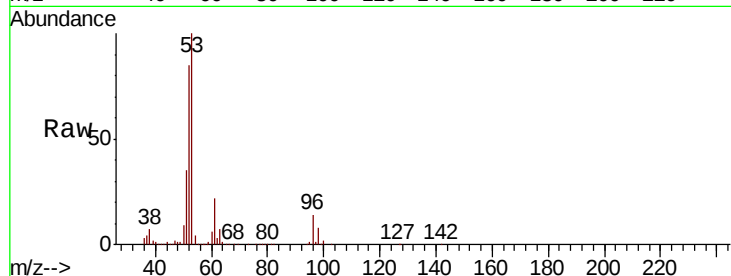
ClientSampleId :

VX0928WBSD01

Tot Ion:	53	Resp:	232969
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 102.785 ug/l

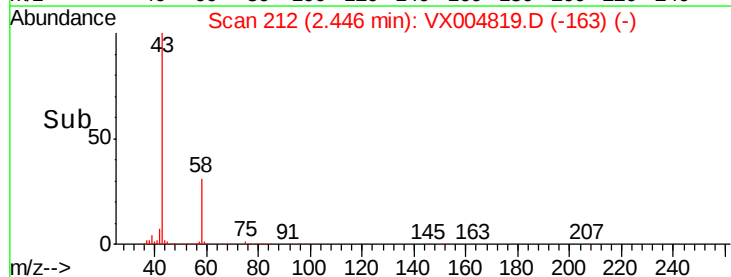
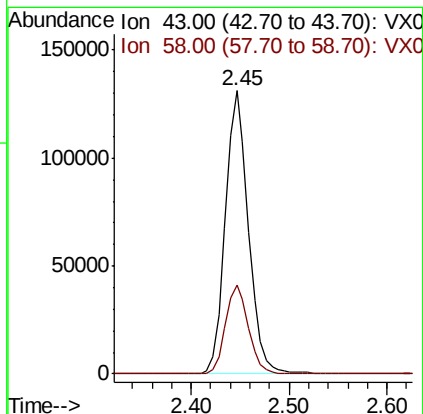
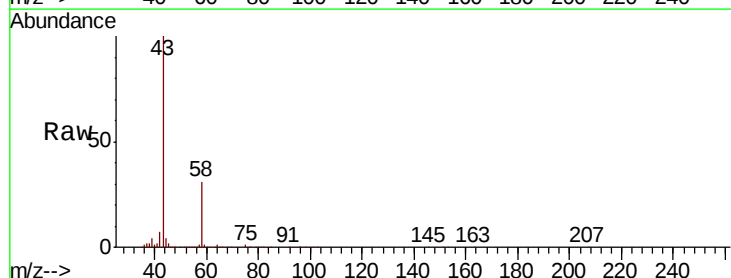
RT: 2.45 min Scan# 212

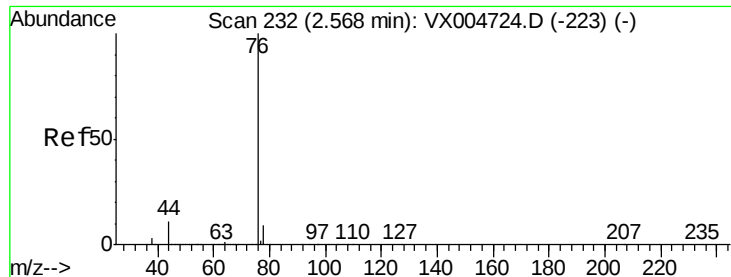
Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion:	43	Resp:	212452
Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.2	39.4





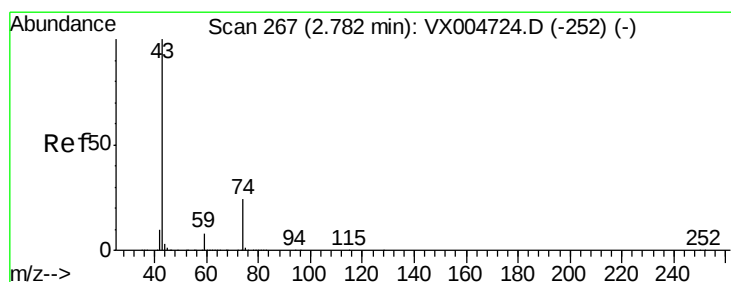
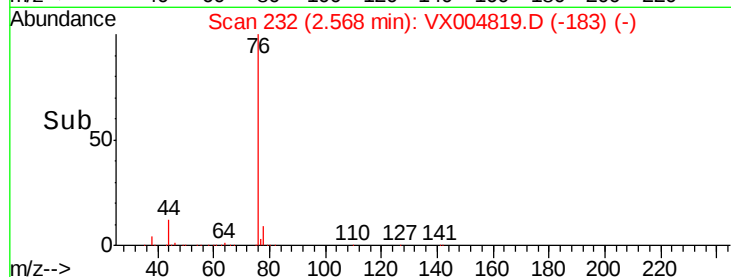
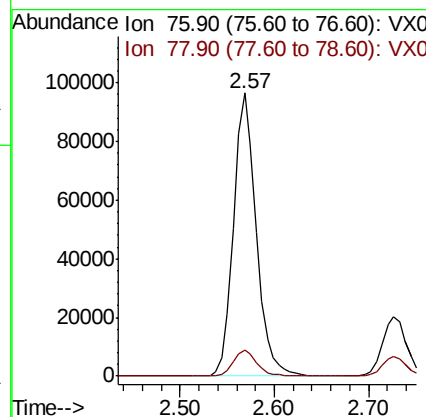
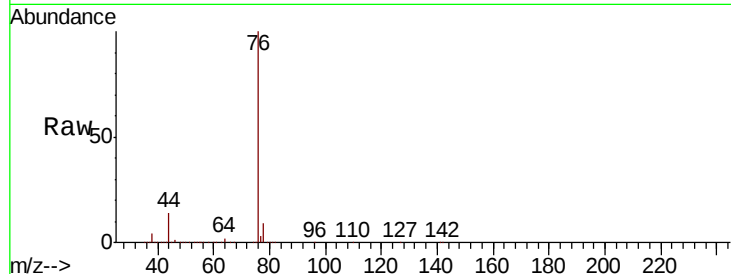
#17
Carbon Disulfide
Concen: 19.991 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

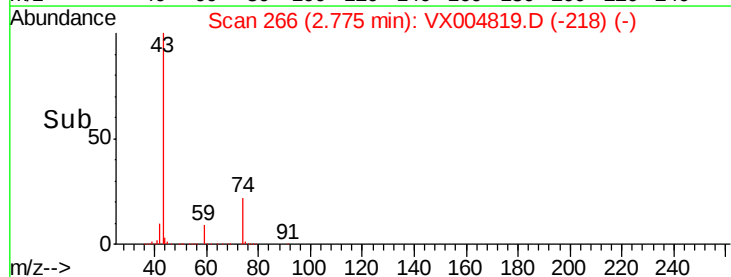
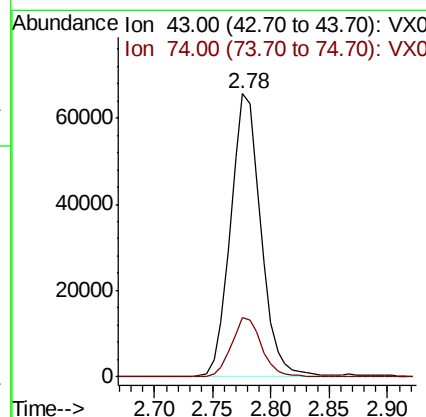
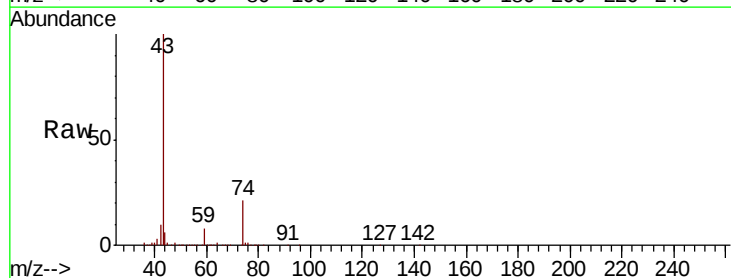
Manual Integrations
APPROVED

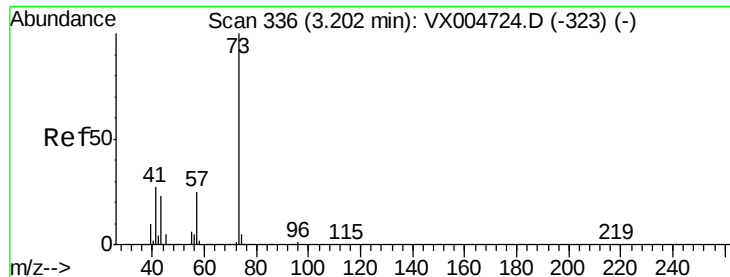
MMDadoda
10/1/2018 1:31:28 PM



#18
Methyl Acetate
Concen: 22.545 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	19.4	29.2





#19

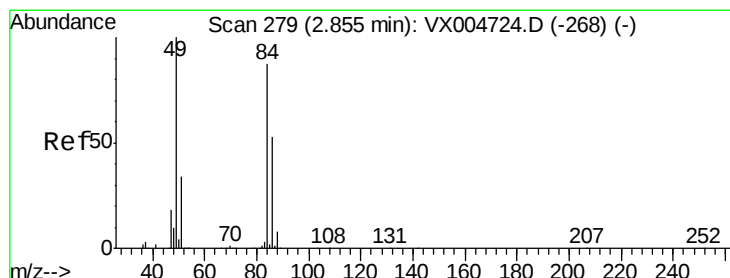
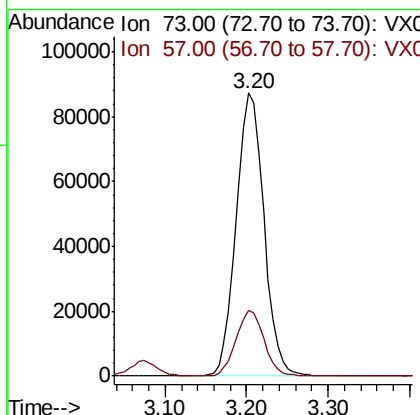
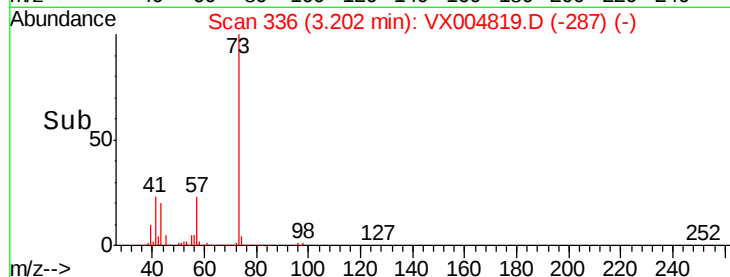
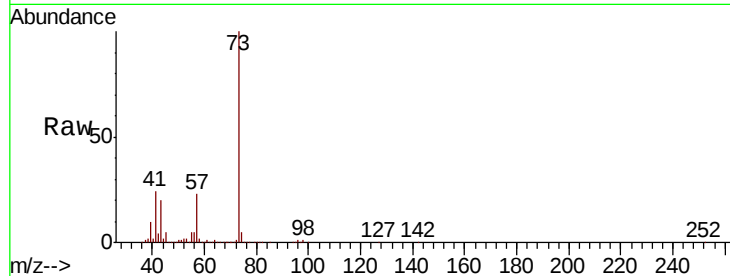
Methyl tert-butyl Ether
 Concen: 22.230 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.1	25.7

Manual Integrations
 APPROVED

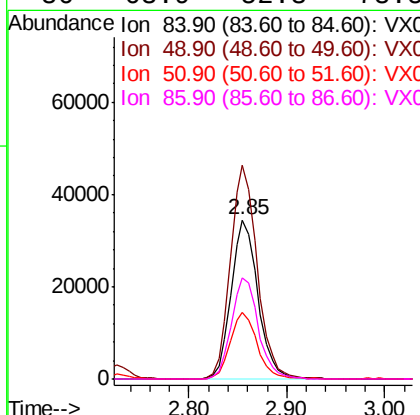
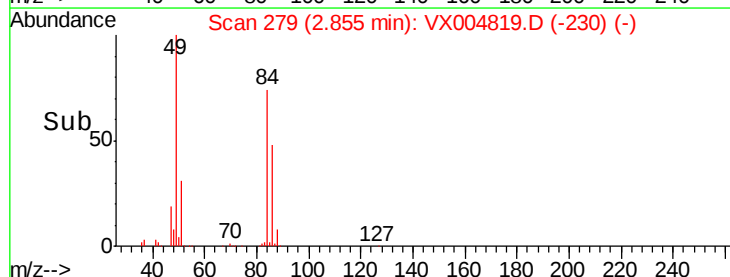
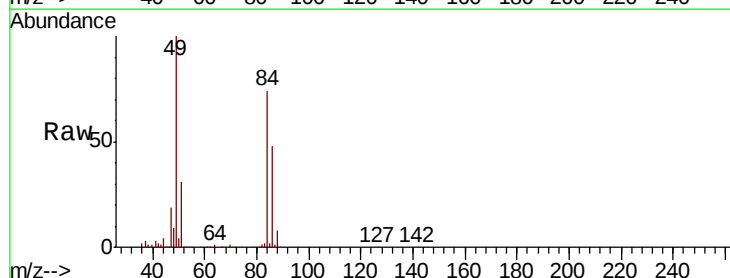
MMDadoda
 10/1/2018 1:31:28 PM

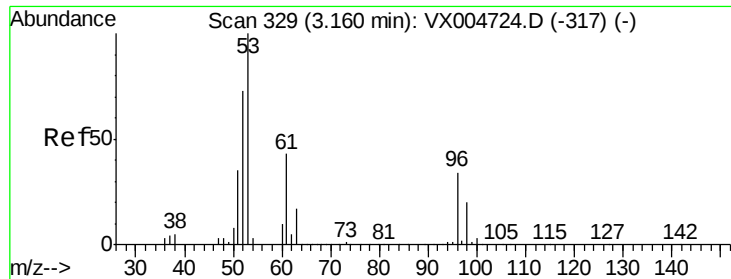


#20

Methylene Chloride
 Concen: 21.319 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.4	101.2	151.8
51	42.0	29.5	44.3
86	63.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 20.693 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

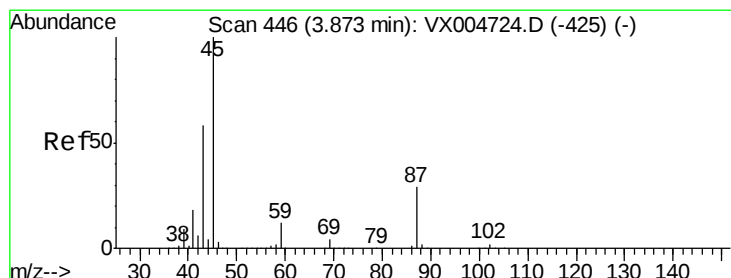
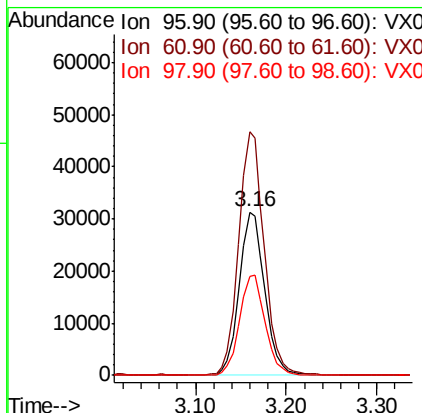
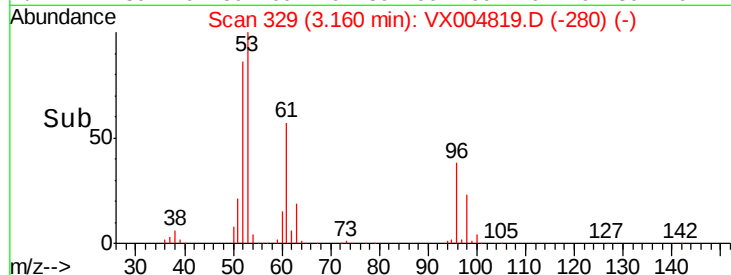
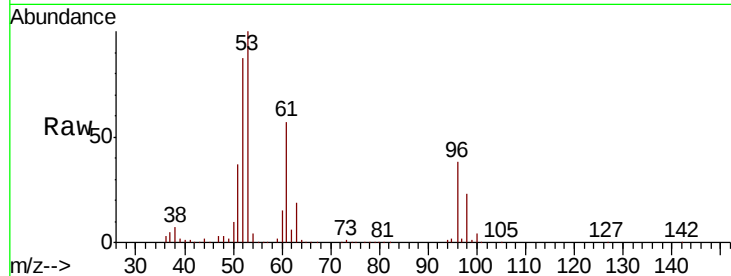
ClientSampleId :

VX0928WBSD01

Tot Ion:	96	Resp:	60831
Ion	Ratio	Lower	Upper
96	100		
61	148.5	113.8	170.6
98	60.8	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:31:28 PM



#22

Diisopropyl ether

Concen: 21.336 ug/l

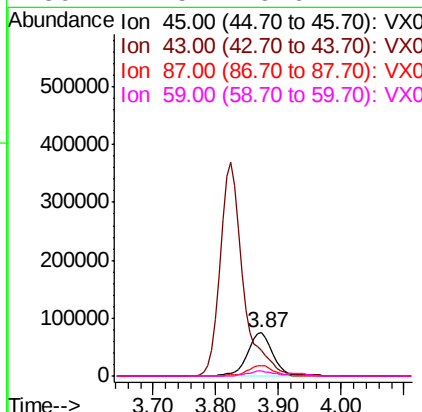
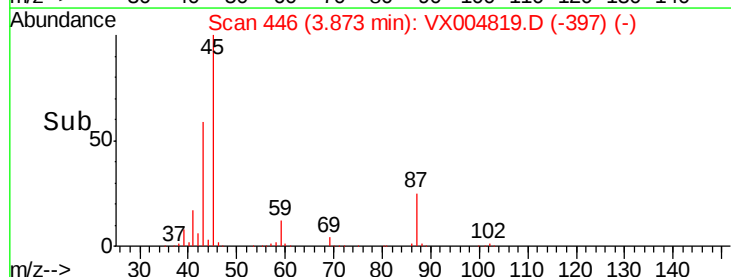
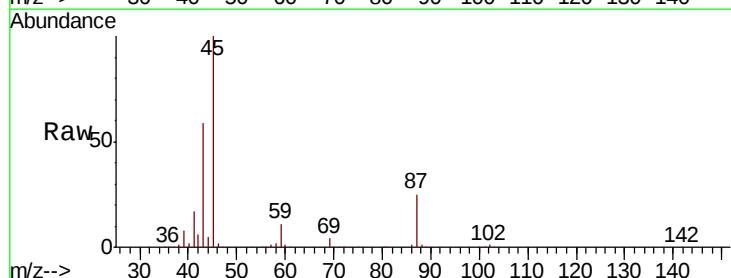
RT: 3.87 min Scan# 446

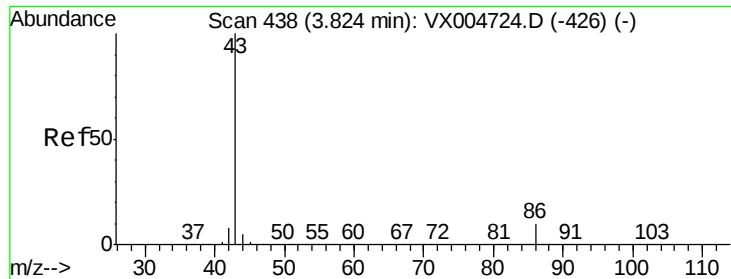
Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion:	45	Resp:	210518
Ion	Ratio	Lower	Upper
45	100		
43	58.8	42.8	64.2
87	24.6	22.6	34.0
59	11.5	9.6	14.4





#23

Vinyl Acetate

Concen: 103.924 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 43 Resp: 938595

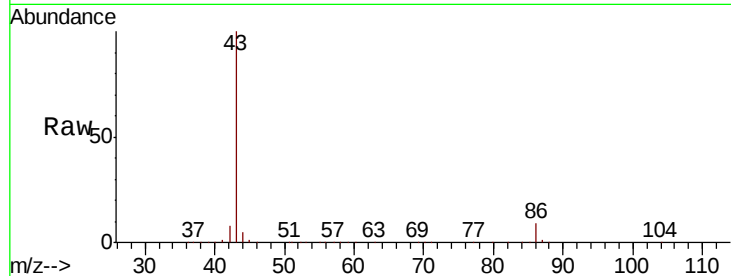
Ion Ratio Lower Upper

43 100

86 9.2 8.9 13.3

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

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

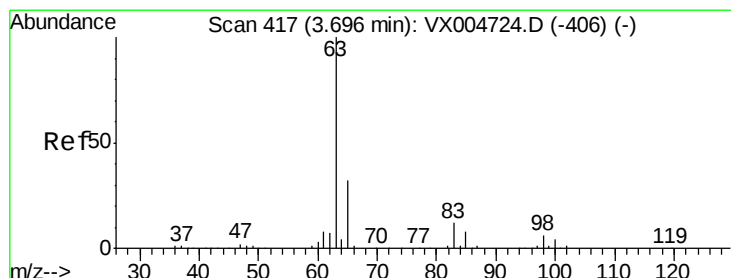
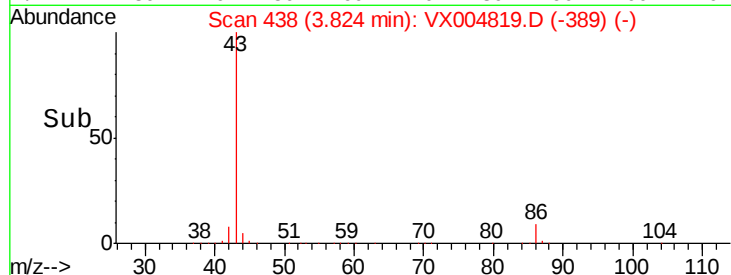
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.762 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

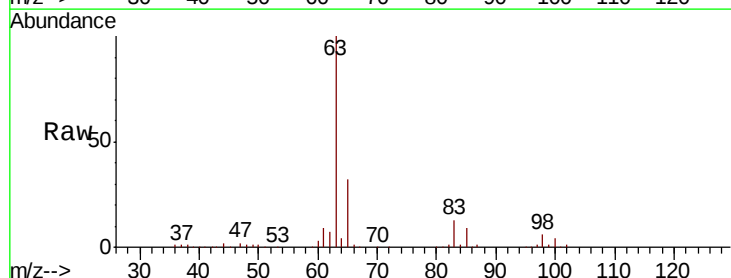
Tgt Ion: 63 Resp: 116311

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

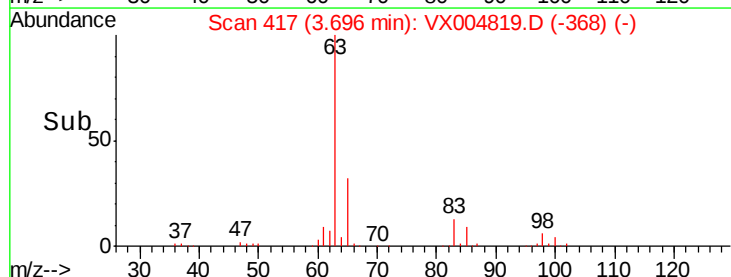
30000

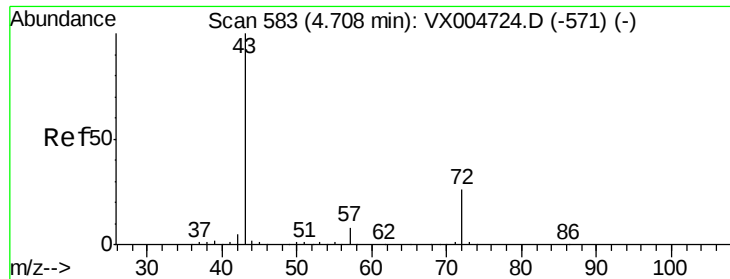
20000

10000

0

Time-->





#25

2-Butanone

Concen: 102.240 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 43 Resp: 311500

Ion Ratio Lower Upper

43 100

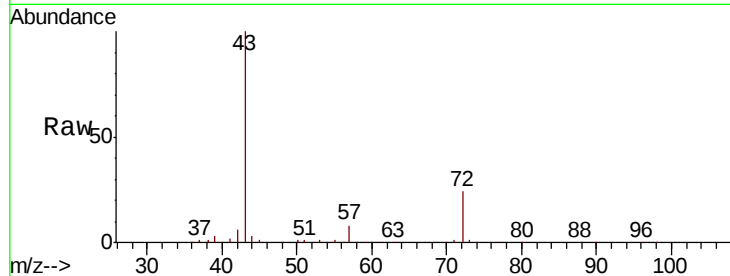
72 24.5 22.0 33.0

Manual Integrations

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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

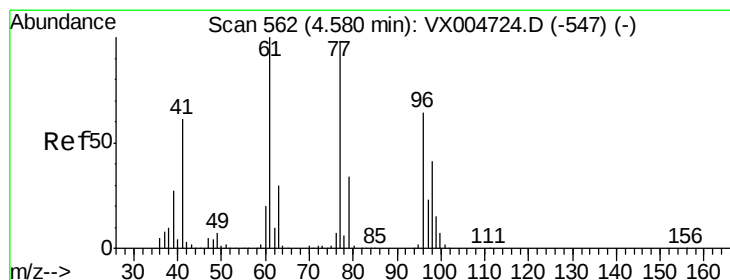
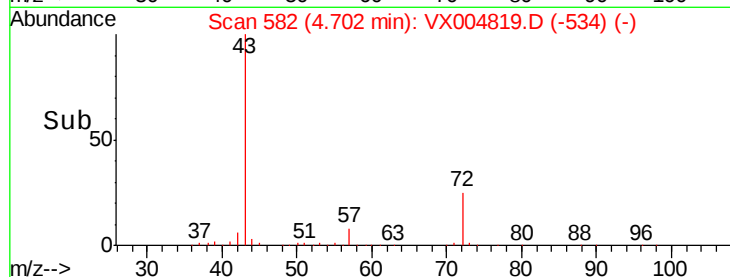
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.879 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004819.D

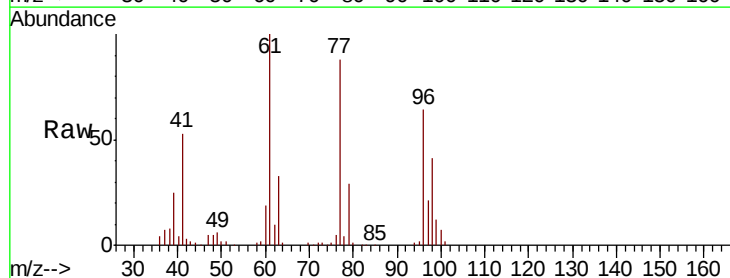
Acq: 28 Sep 2018 14:18

Tgt Ion: 77 Resp: 85571

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

10000

5000

0

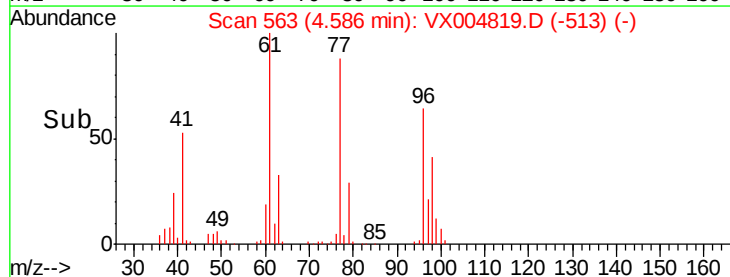
4.40

4.50

4.60

4.70

Time-->





#27

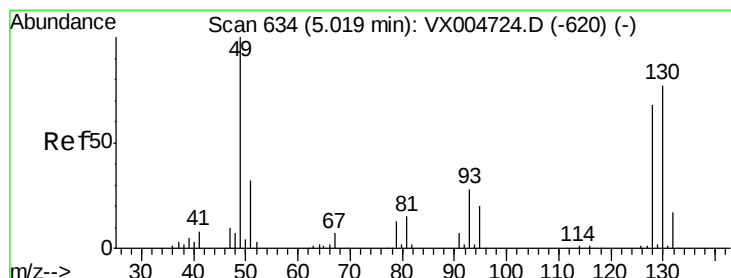
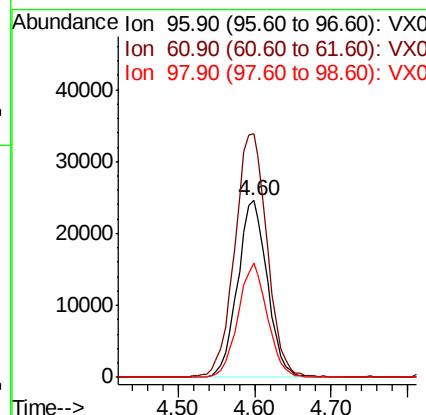
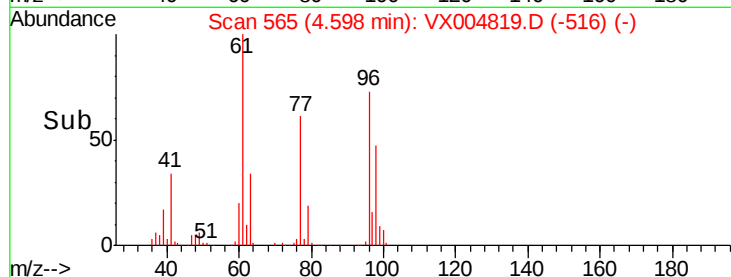
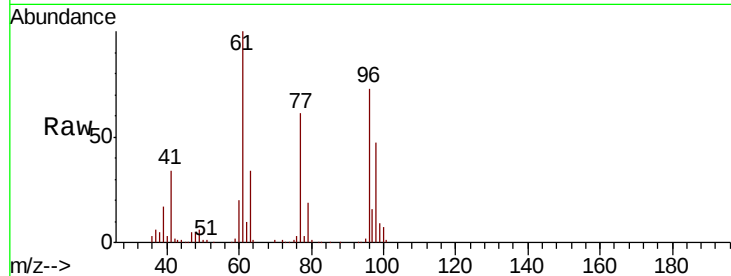
cis-1,2-Dichloroethene
 Concen: 20.115 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	282.6
98	63.8	0.0	130.2

Manual Integrations
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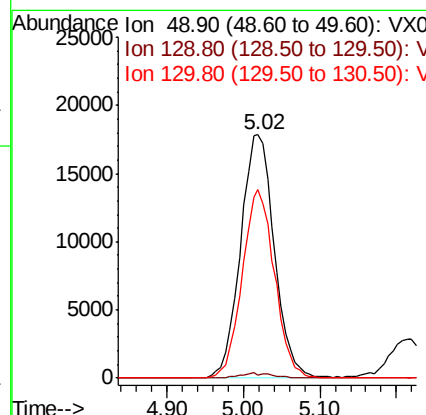
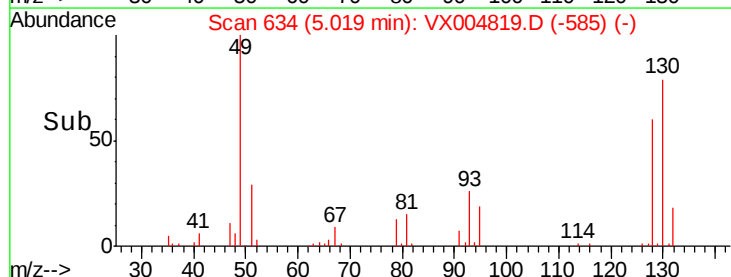
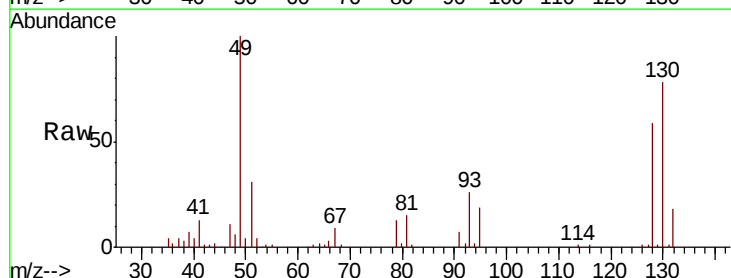
MMDadoda
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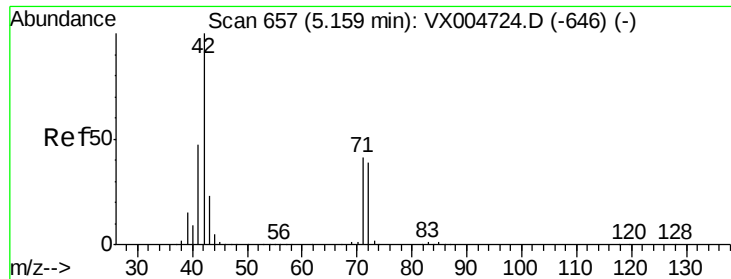


#28

Bromochloromethane
 Concen: 19.819 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	73.6	67.5	101.3





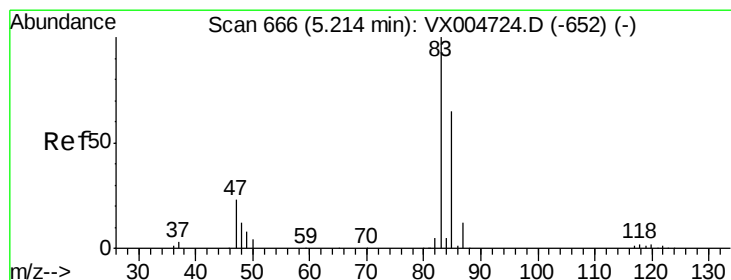
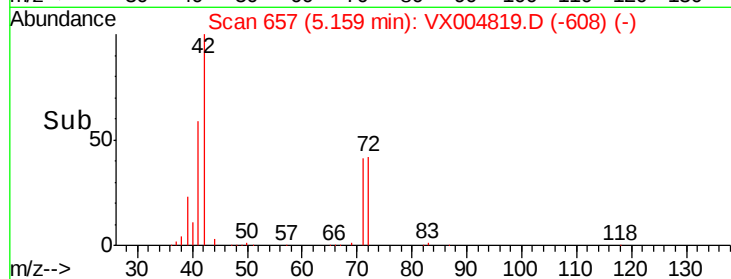
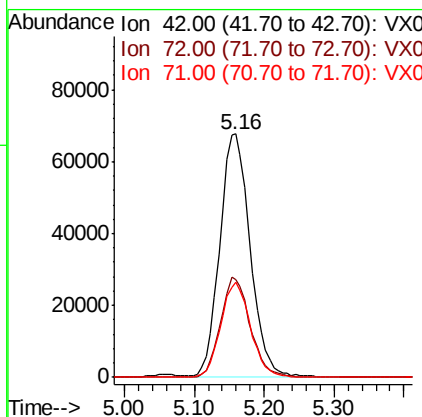
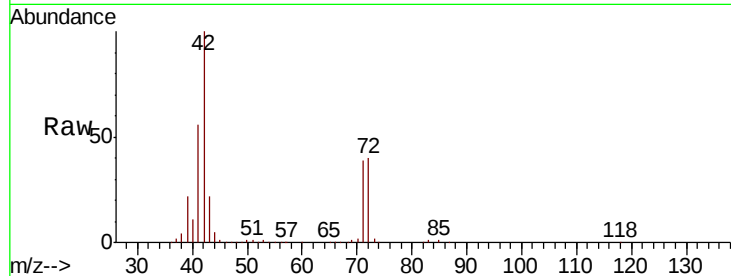
#29
Tetrahydrofuran
Concen: 107.002 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	37.4	56.0
71	38.4	34.5	51.7

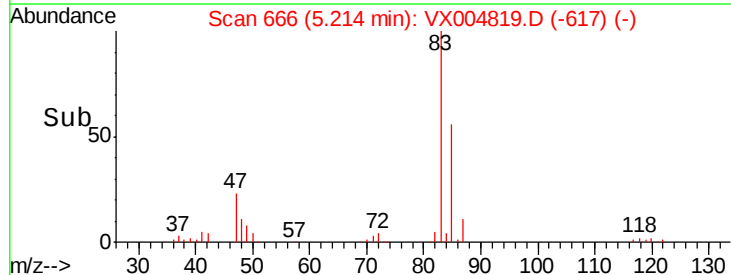
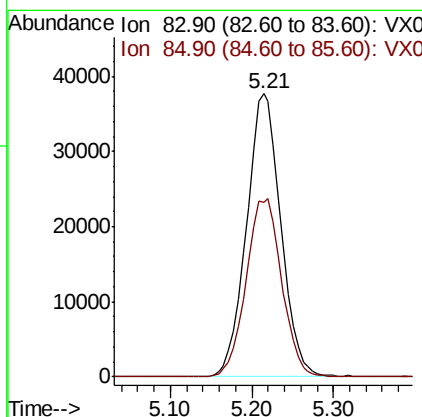
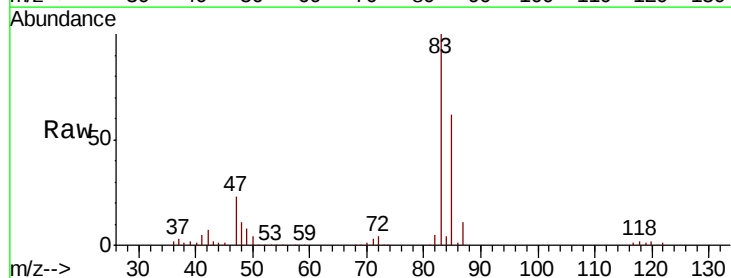
Manual Integrations
APPROVED

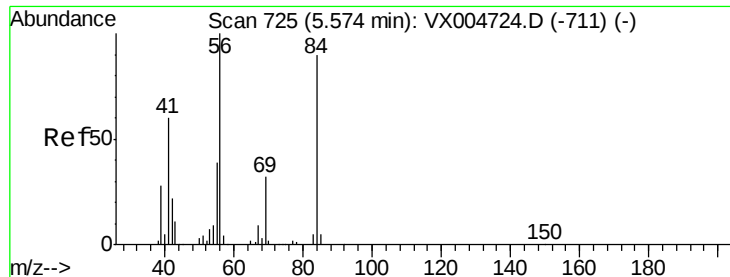
MMDadoda
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#30
Chloroform
Concen: 19.851 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.6	79.0





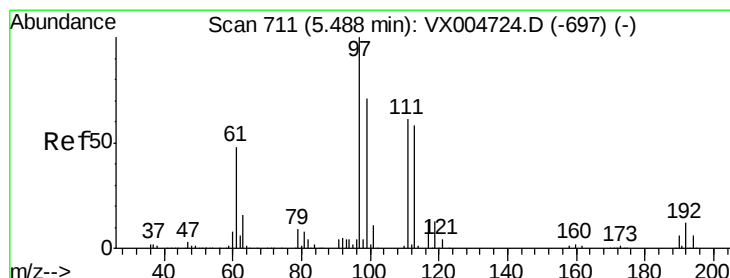
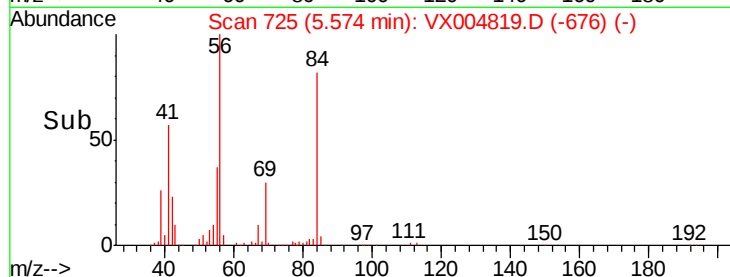
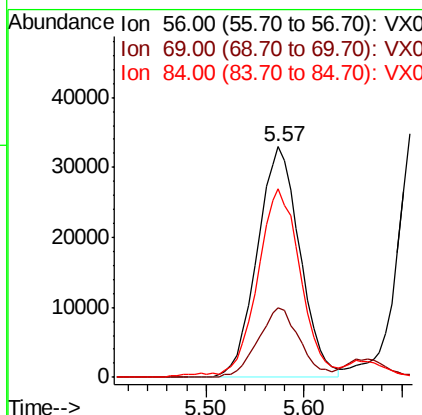
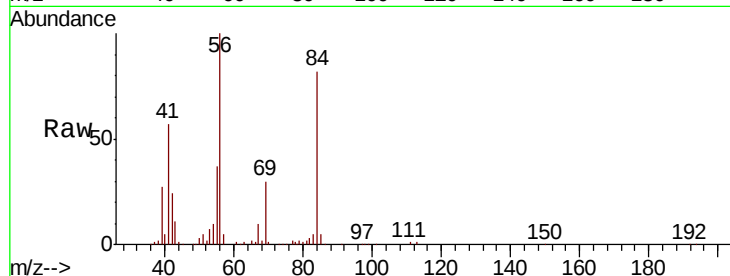
#31
Cyclohexane
Concen: 22.169 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.4	38.2
84	80.7	71.4	107.2

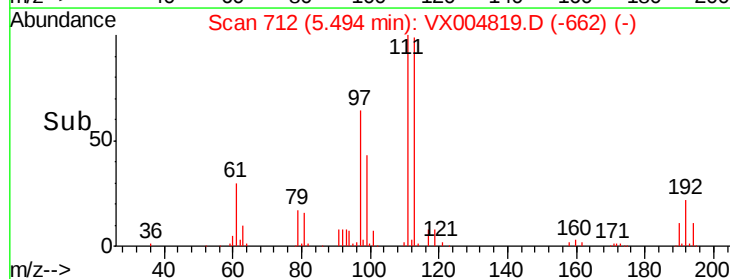
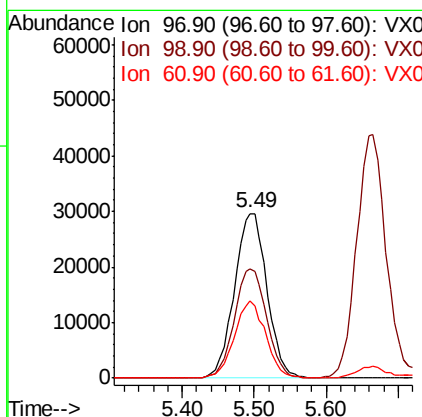
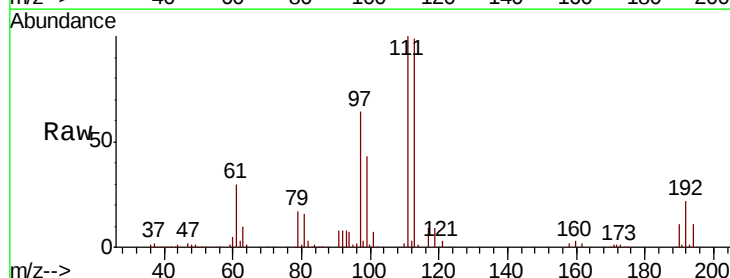
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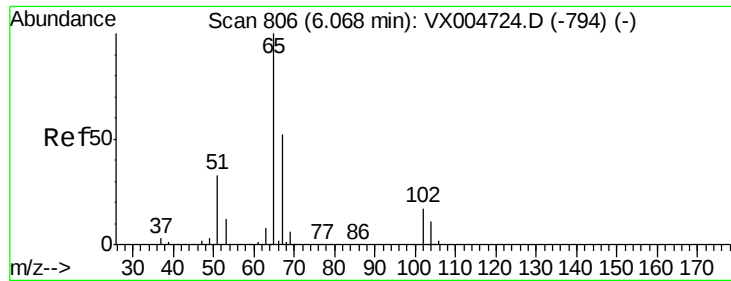
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.458 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.0	78.0
61	45.3	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 49.523 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 65 Resp: 175333

Ion Ratio Lower Upper

65 100

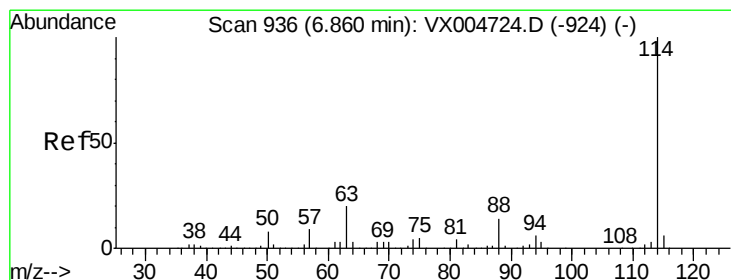
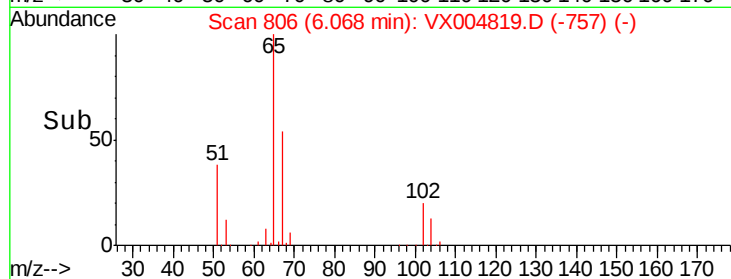
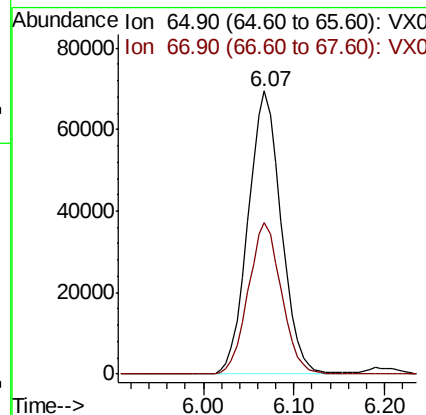
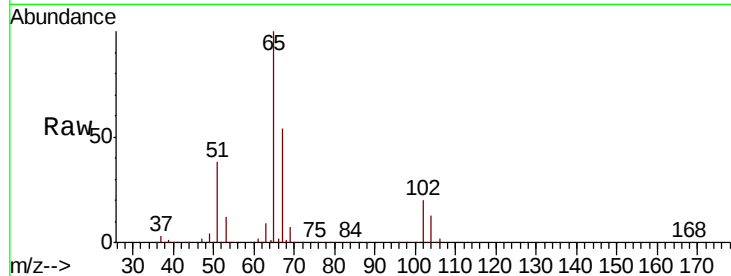
67 53.7 0.0 106.8

Manual Integrations

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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: VX004819.D

Acq: 28 Sep 2018 14:18

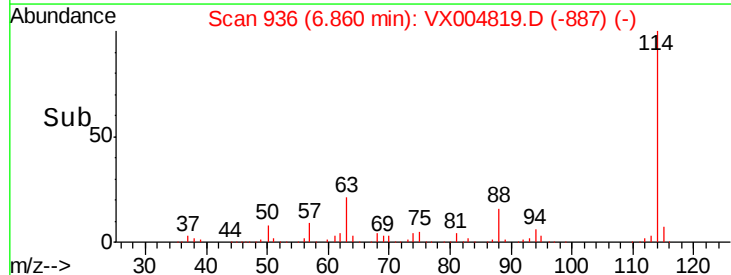
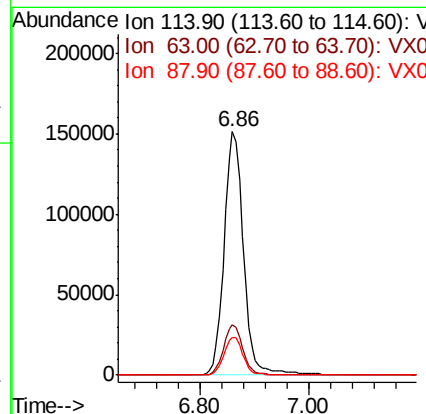
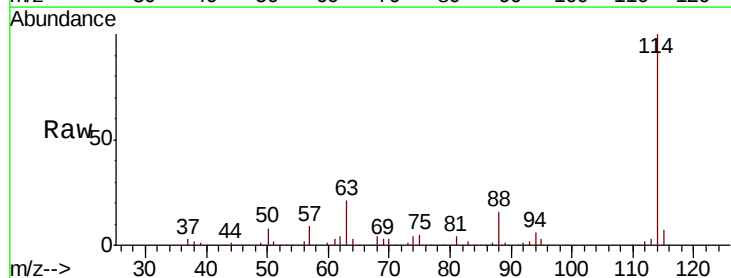
Tgt Ion: 114 Resp: 375154

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

88 15.6 0.0 30.4





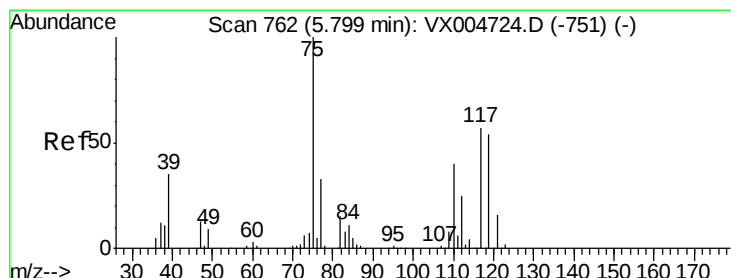
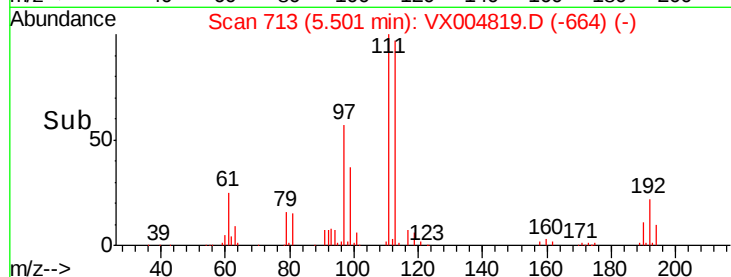
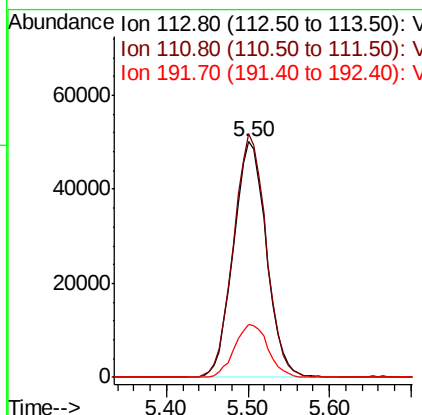
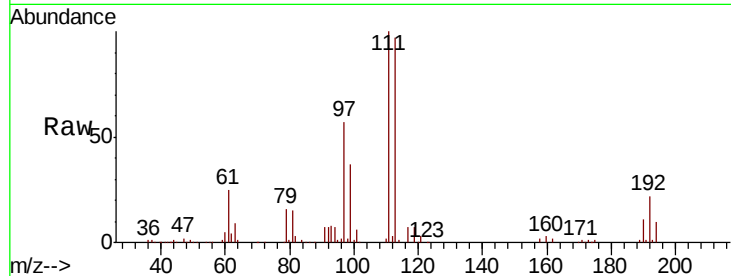
#35
 Dibromofluoromethane
 Concen: 44.182 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampled :
 VX0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140475		
111	102.6	82.4	123.6	
192	22.9	19.4	29.2	

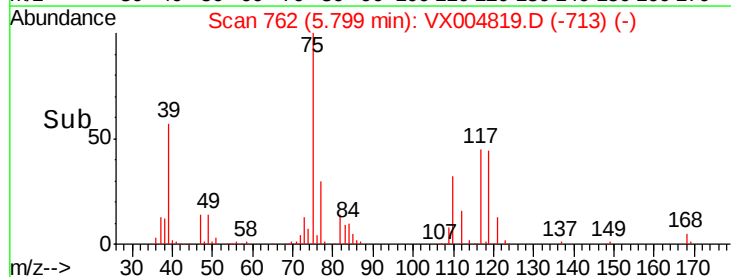
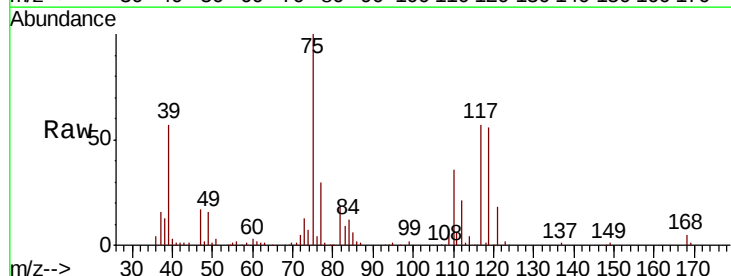
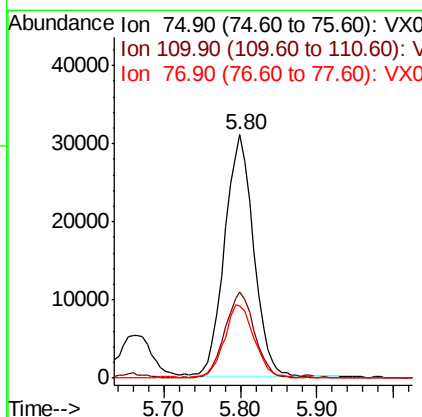
Manual Integrations
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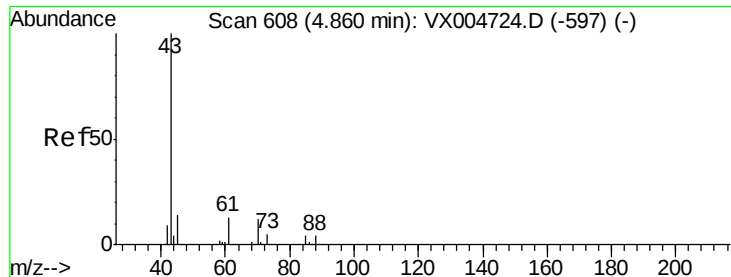
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 10/1/2018 1:31:28 PM



#36
 1,1-Dichloropropene
 Concen: 18.882 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81908		
110	36.0	18.0	54.0	
77	30.4	24.6	36.8	





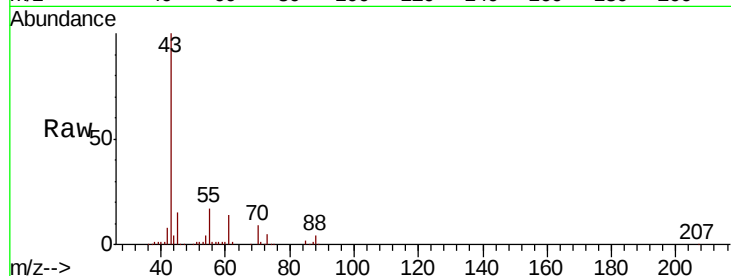
#37
Ethyl Acetate
Concen: 19.013 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleID :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	10.1	9.0	13.6

Manual Integrations
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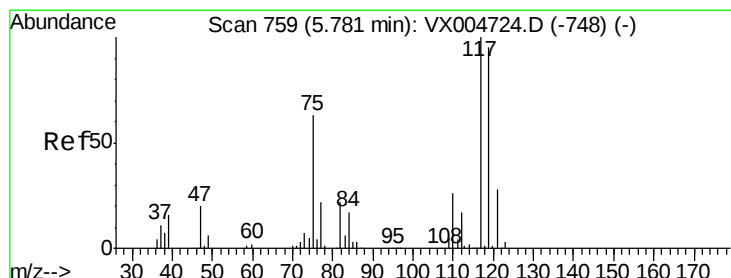
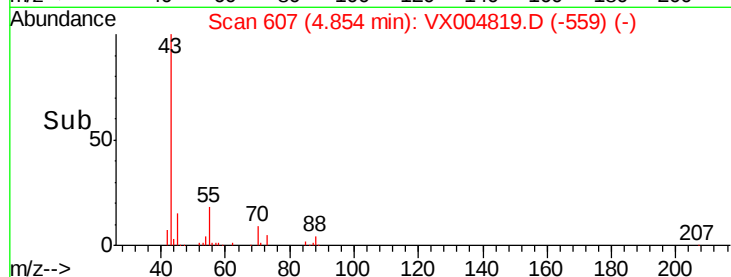
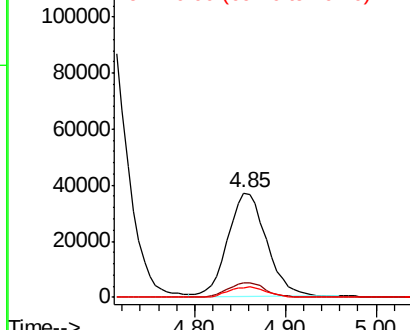


Abundance

Ion 43.00 (42.70 to 43.70): VX0

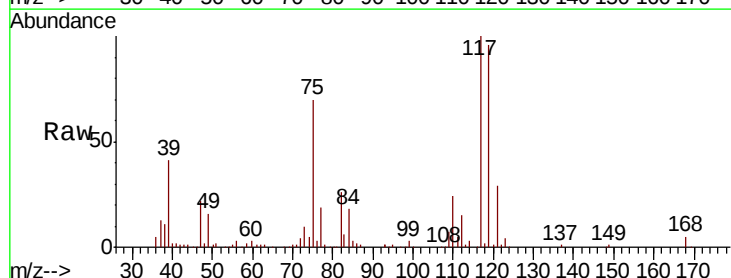
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 17.699 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.8	118.2
121	29.4	24.9	37.3

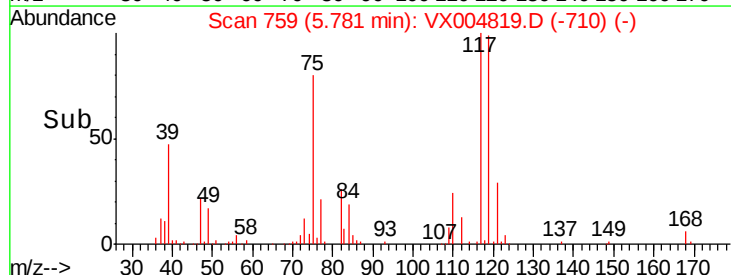
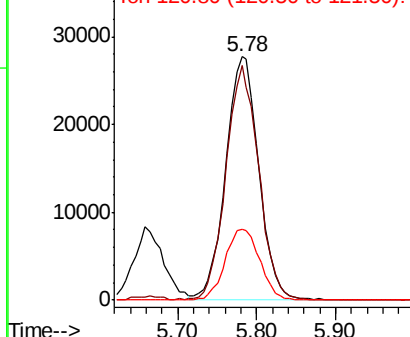


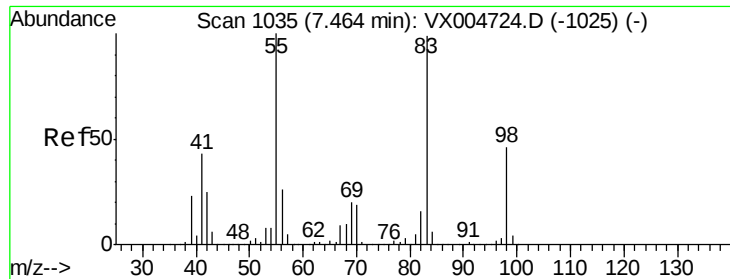
Abundance

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





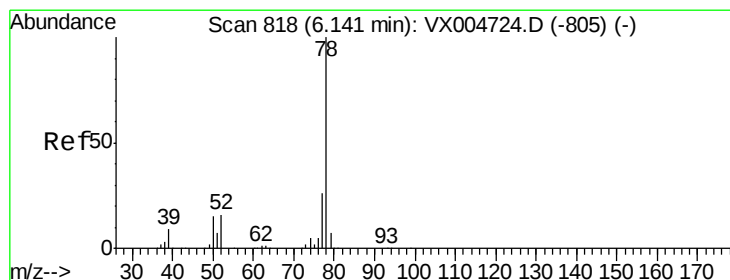
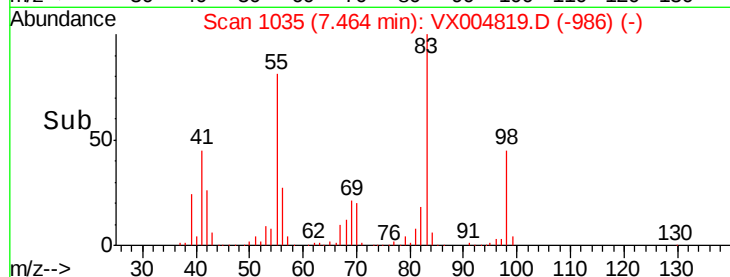
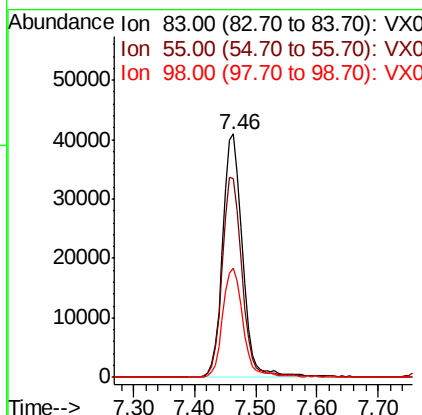
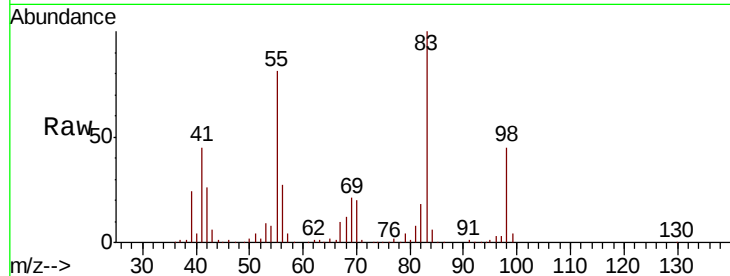
#39
Methvlcvclohexane
Concen: 21.006 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	61.0	91.4
98	44.7	39.6	59.4

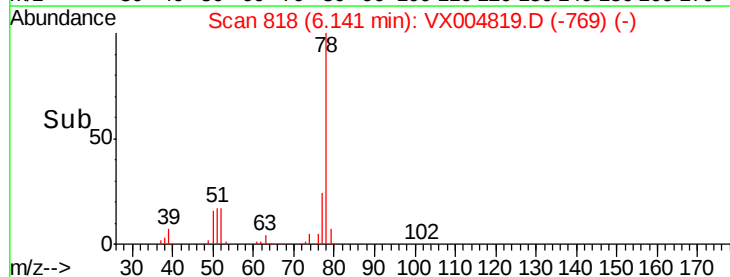
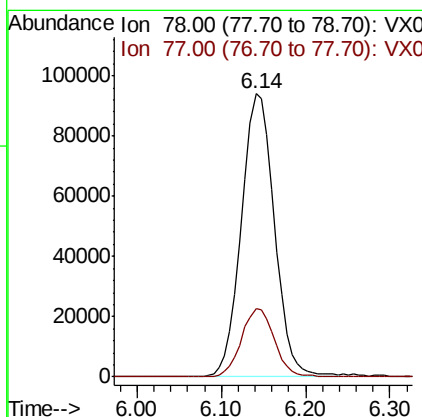
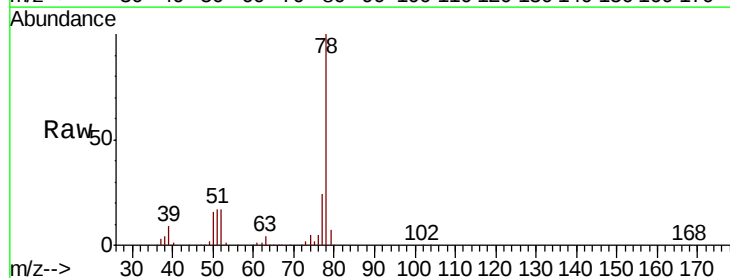
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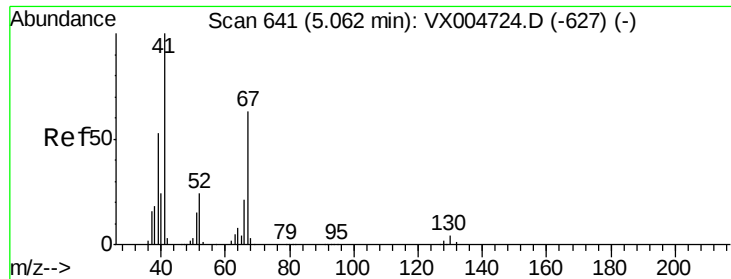
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#40
Benzene
Concen: 18.447 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





#41

Methacrylonitrile

Concen: 19.100 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

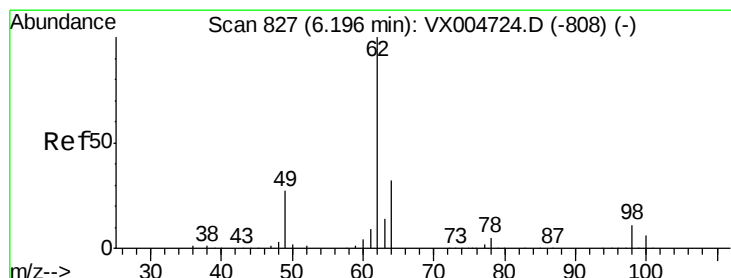
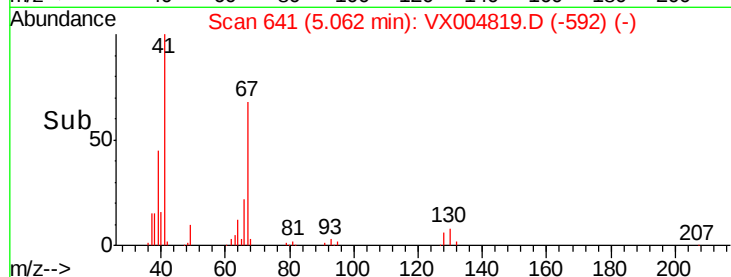
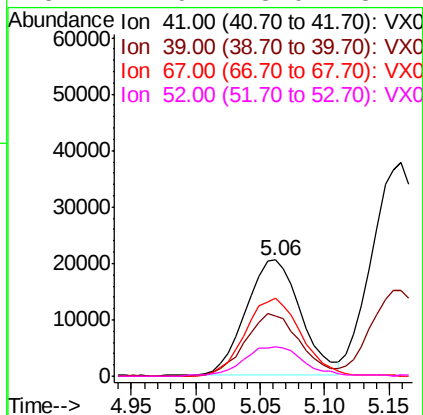
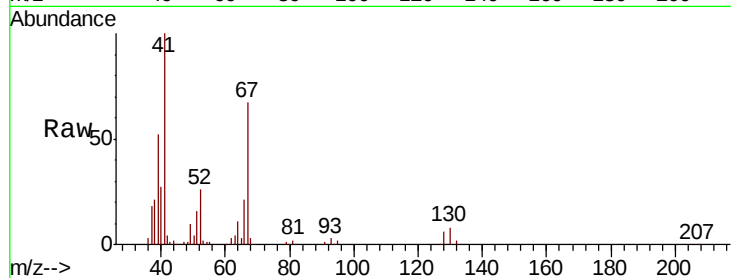
ClientSampleId :

VX0928WBSD01

Tot Ion:	41	Resp:	60994
Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.4	63.6
67	69.0	59.2	88.8
52	27.9	23.0	34.4

Manual Integrations
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10/1/2018 1:31:28 PM



#42

1,2-Dichloroethane

Concen: 18.910 ug/l

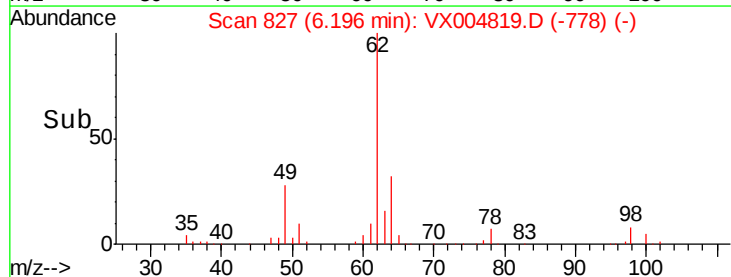
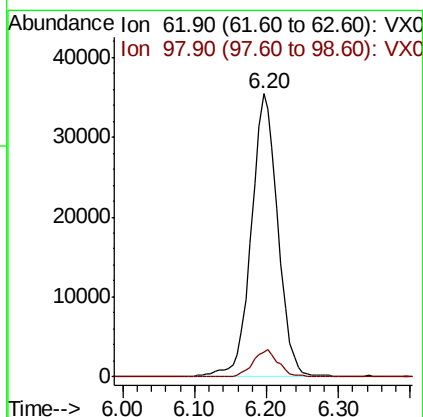
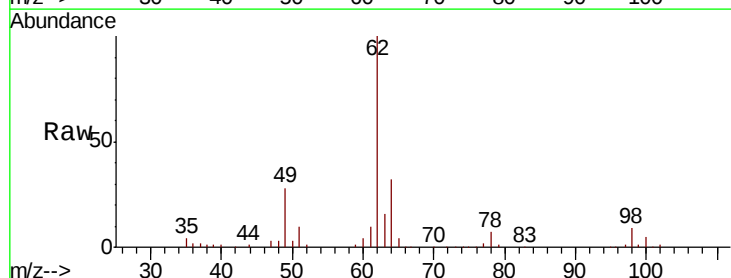
RT: 6.20 min Scan# 827

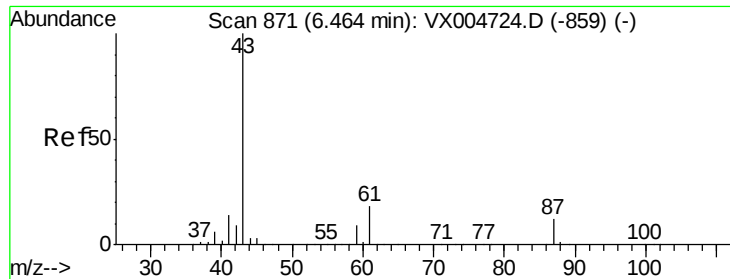
Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion:	62	Resp:	90786
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.292 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

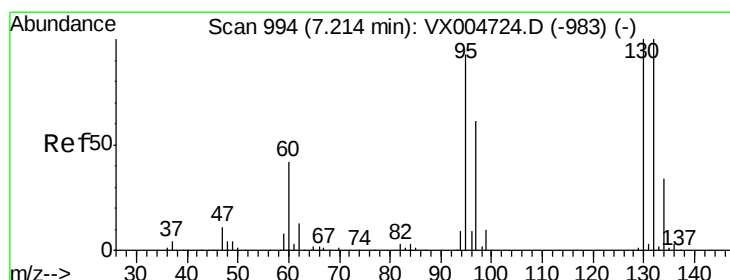
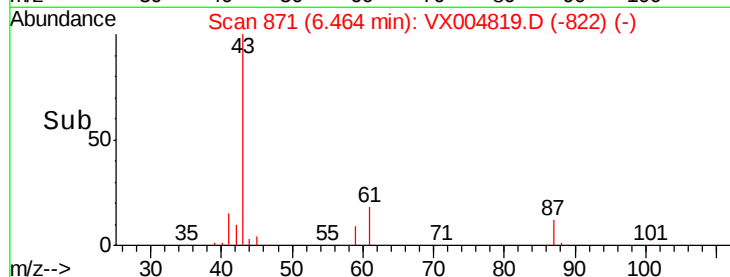
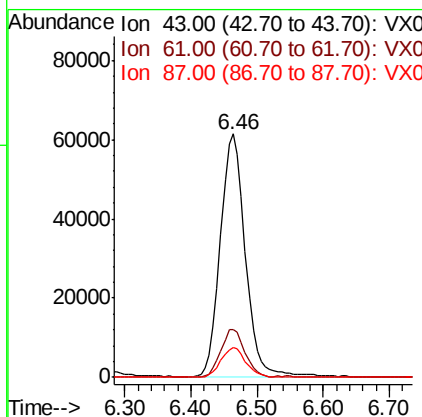
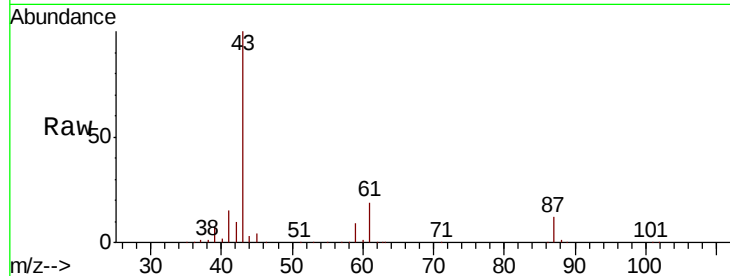
ClientSampleId :

VX0928WBSD01

Tot Ion:	43	Resp:	160335
Ion	Ratio	Lower	Upper
43	100		
61	19.3	17.0	25.4
87	12.1	11.4	17.2

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#44

Trichloroethene

Concen: 19.774 ug/l

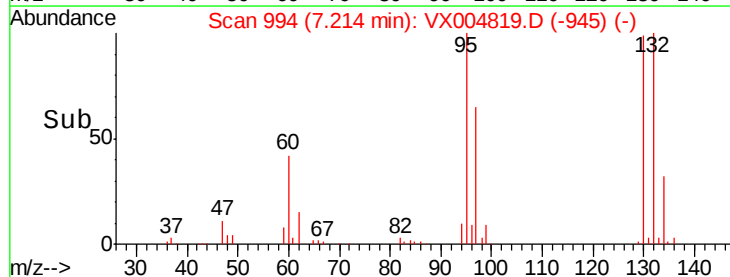
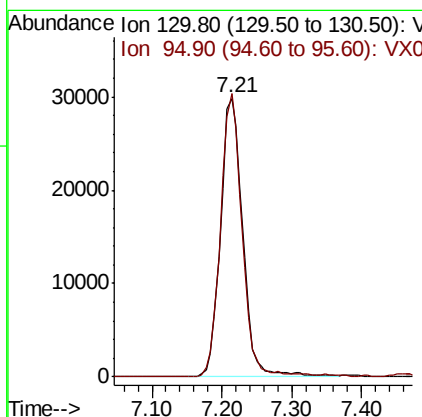
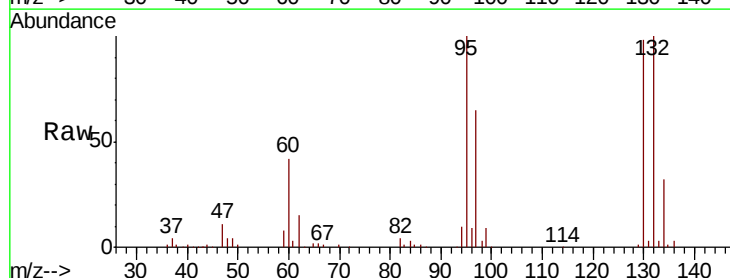
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion:	130	Resp:	66017
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	181.6





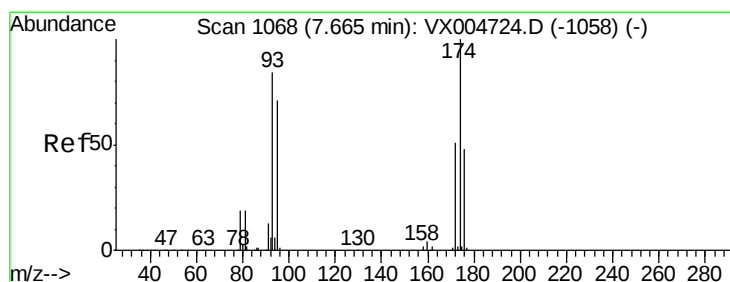
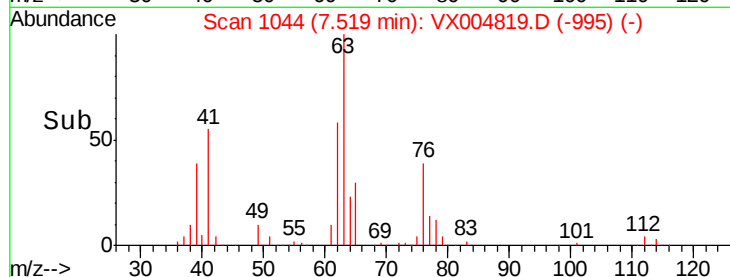
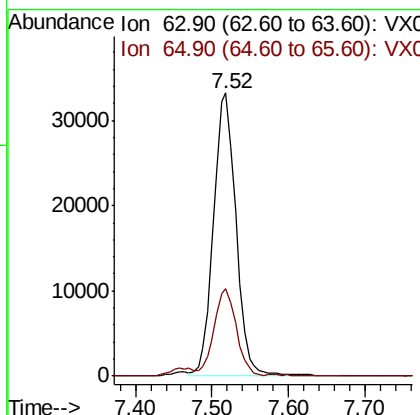
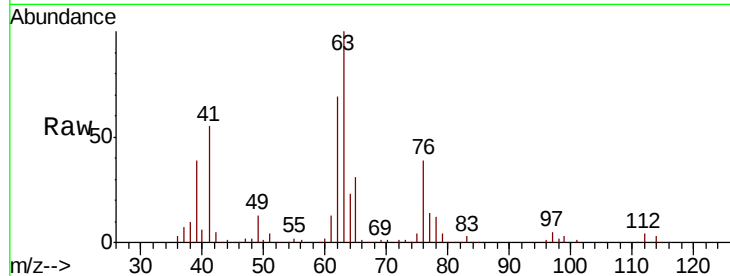
#45
 1,2-Dichloropropane
 Concen: 20.473 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Tot Ion: 63 Resp: 68183
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.3 36.5

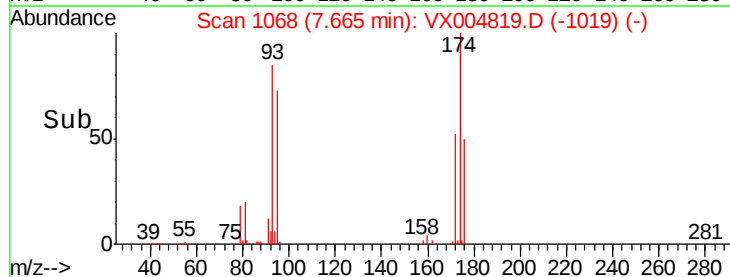
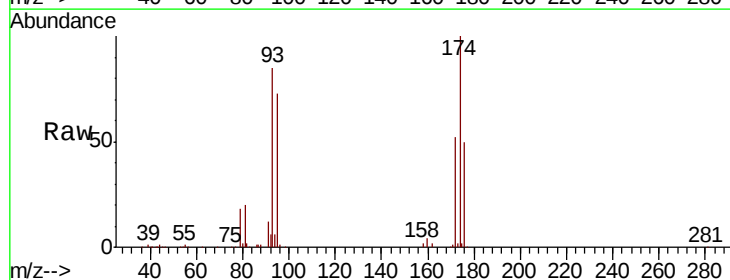
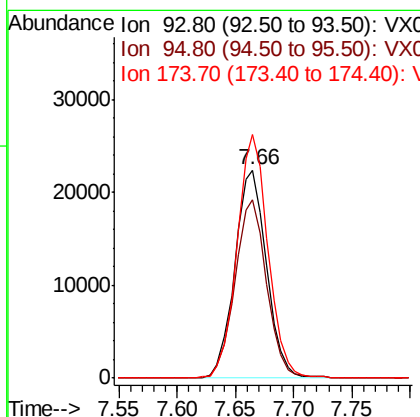
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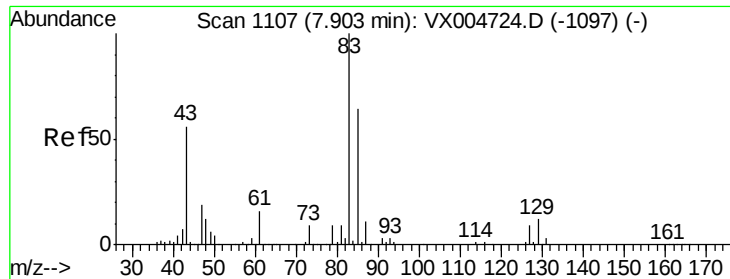
MMDadoda
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#46
 Dibromomethane
 Concen: 20.284 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion: 93 Resp: 42456
 Ion Ratio Lower Upper
 93 100
 95 85.9 65.5 98.3
 174 114.6 94.2 141.4





#47

Bromodichloromethane

Concen: 20.541 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

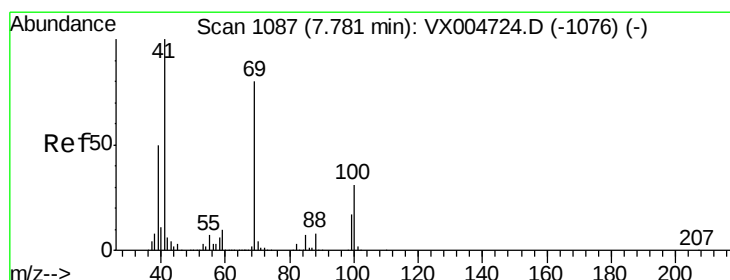
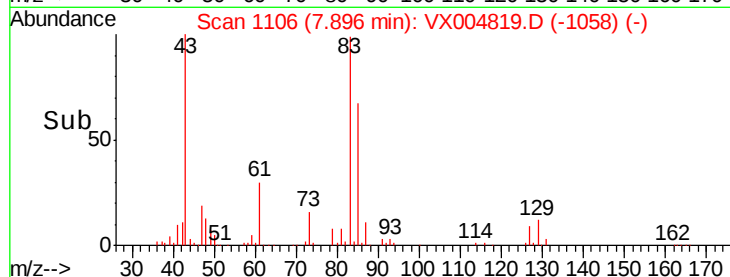
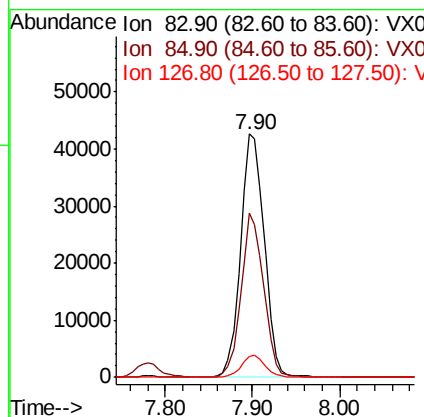
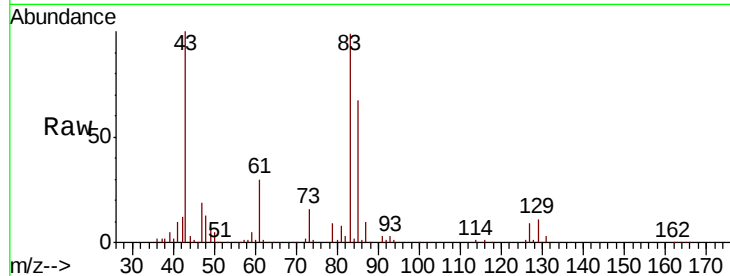
ClientSampleId :

VX0928WBSD01

Tot Ion:	83	Resp:	80494
Ion Ratio	Lower	Upper	
83	100		
85	67.2	50.9	76.3
127	8.7	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.862 ug/l

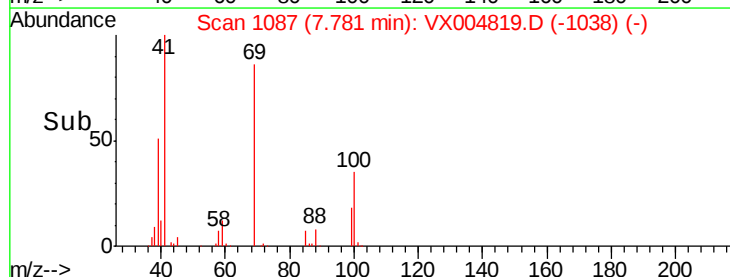
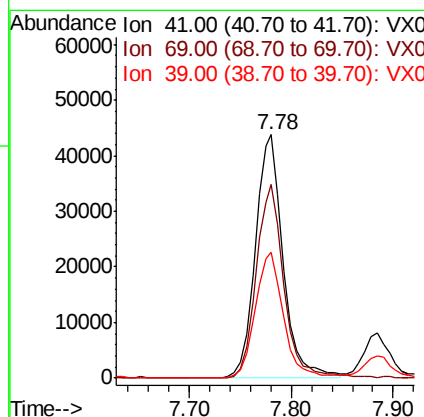
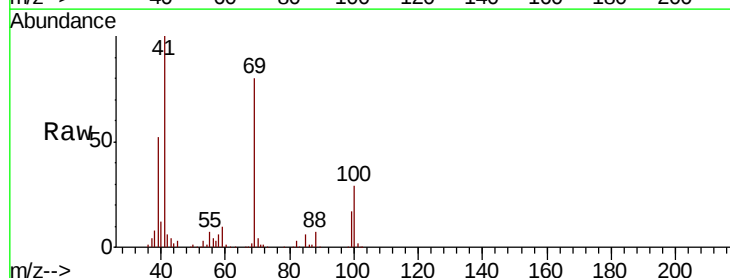
RT: 7.78 min Scan# 1087

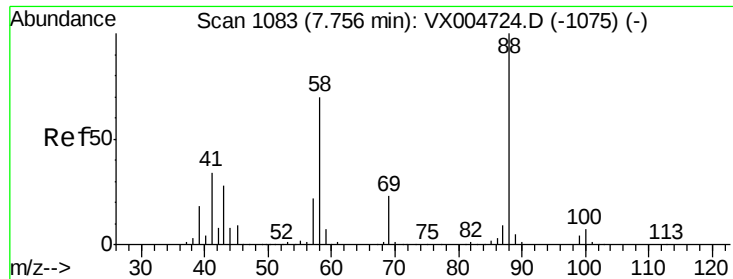
Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion:	41	Resp:	82472
Ion Ratio	Lower	Upper	
41	100		
69	80.2	70.2	105.4
39	52.6	42.7	64.1





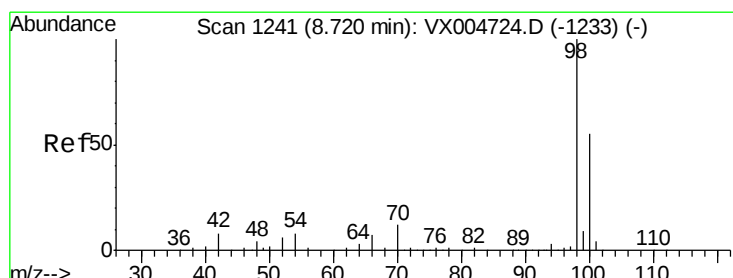
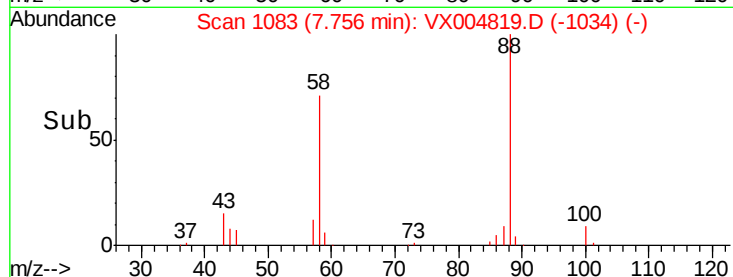
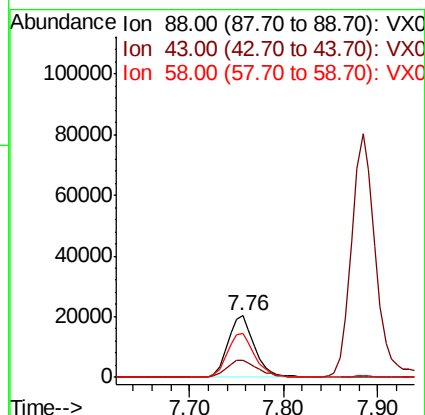
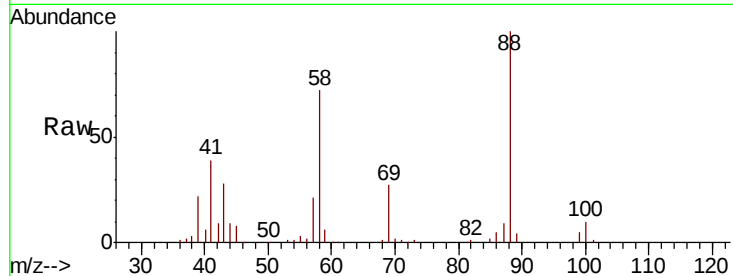
#49
1,4-Dioxane
Concen: 420.011 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	24.7	37.1
58	74.5	55.3	82.9

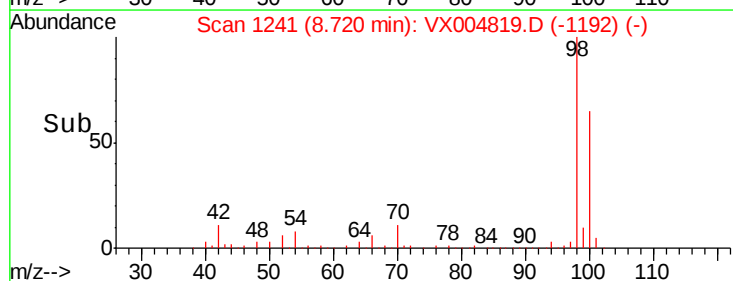
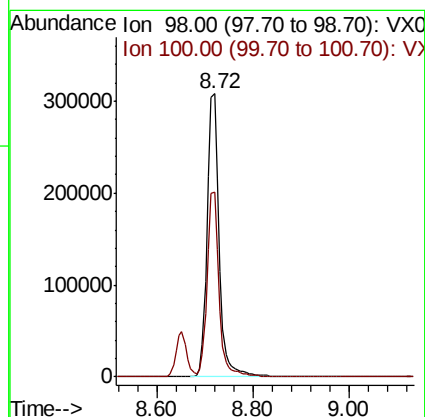
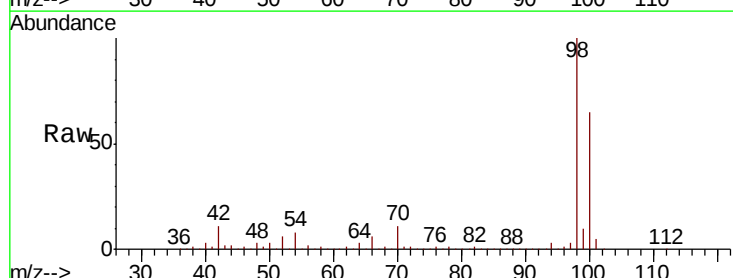
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#50
Toluene-d8
Concen: 50.995 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3





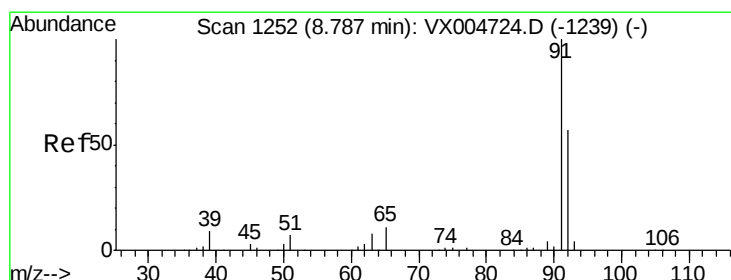
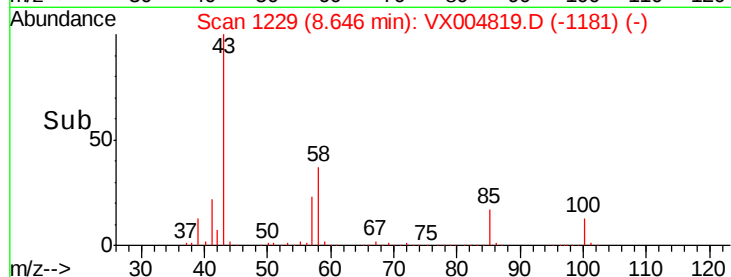
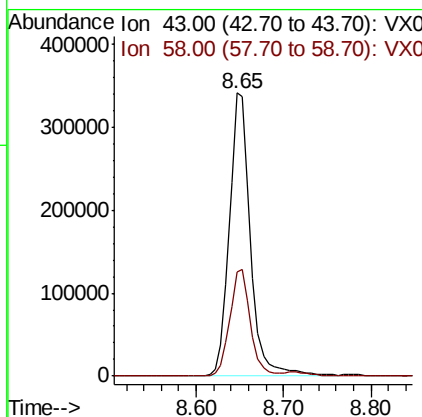
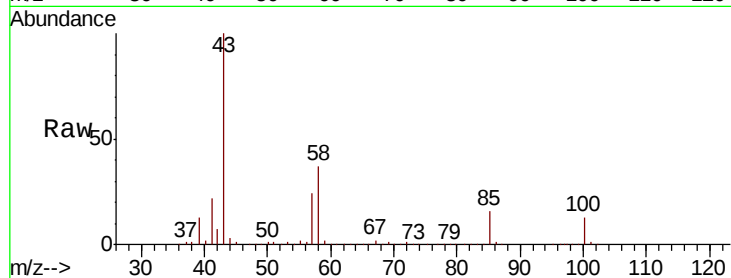
#51
4-Methyl-2-Pentanone
Concen: 109.904 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	33.1	49.7

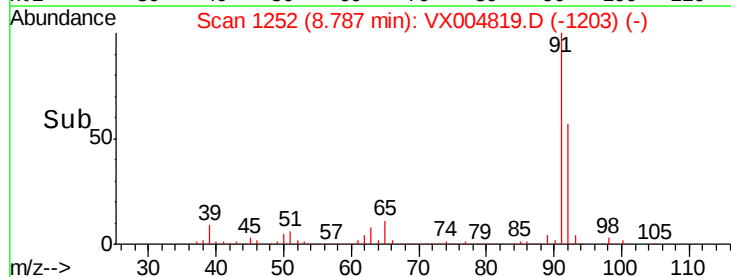
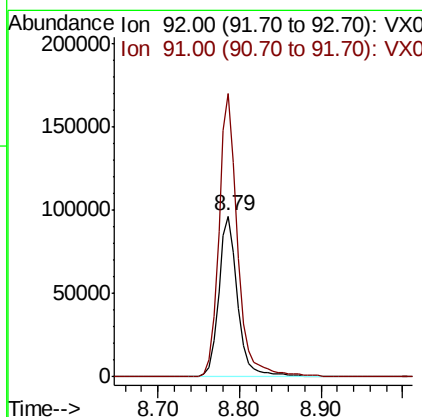
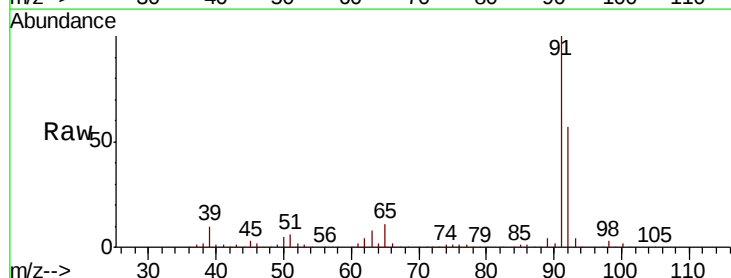
Manual Integrations
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#52
Toluene
Concen: 21.050 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.8	136.4	204.6





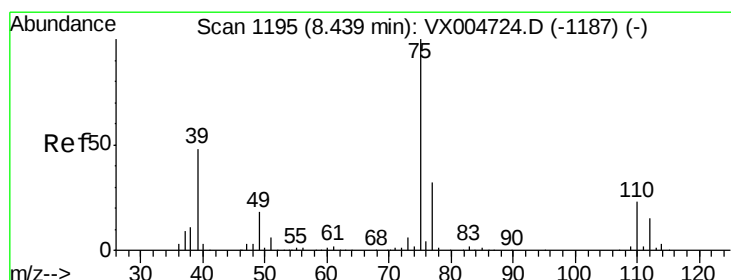
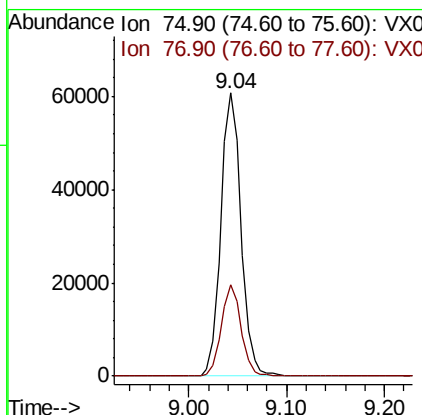
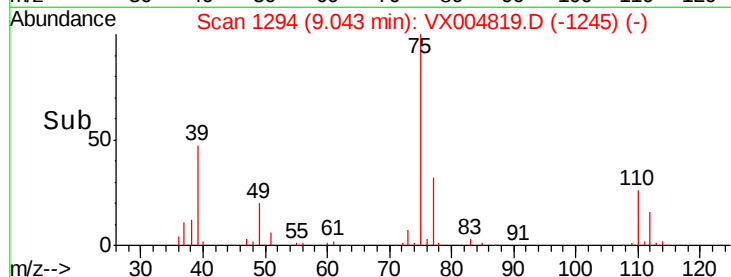
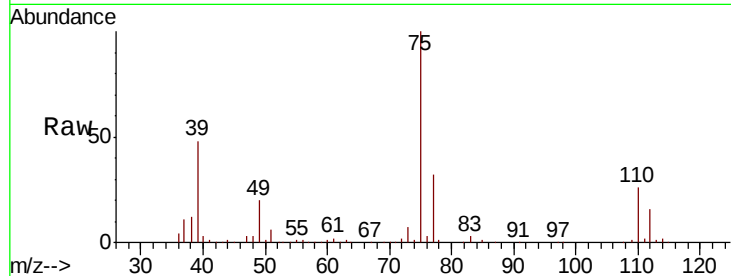
#53
 t-1,3-Dichloropropene
 Concen: 19.673 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampled :
 VX0928WBSD01

Tot Ion: 75 Resp: 87120
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.6 37.0

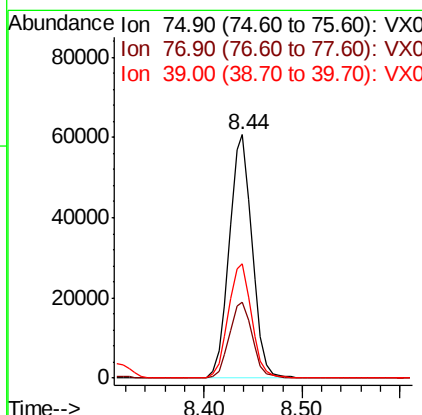
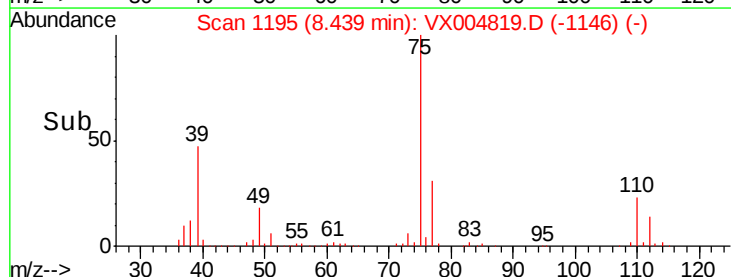
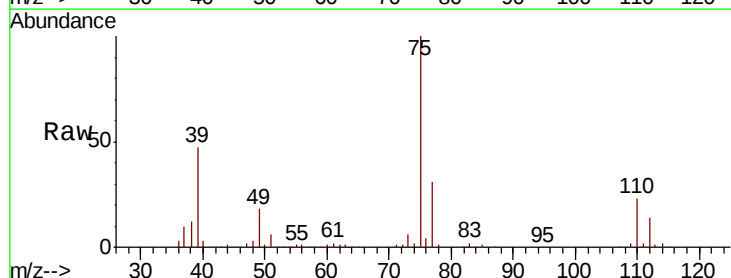
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 21.254 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion: 75 Resp: 98585
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2
 39 46.8 36.4 54.6





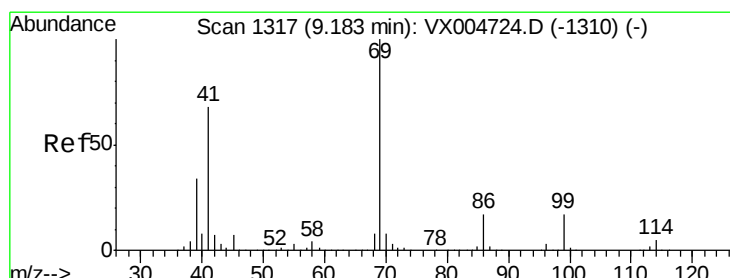
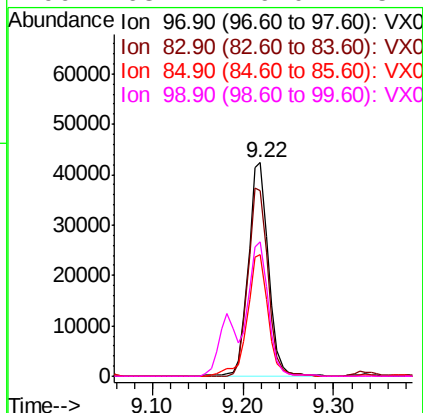
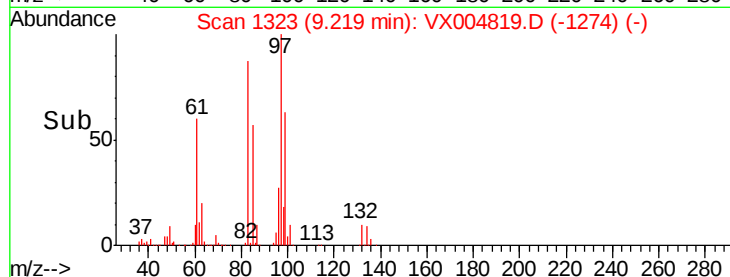
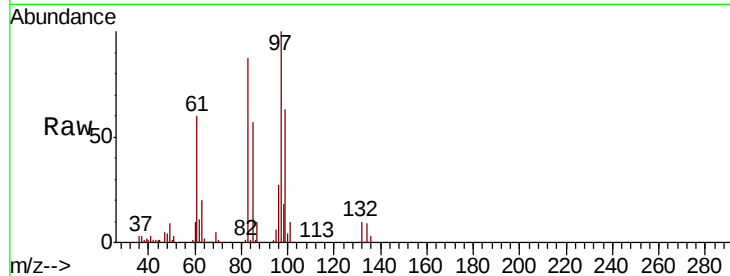
#55
 1,1,2-Trichloroethane
 Concen: 19.878 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		64976		
83	86.7	66.4	99.6		
85	57.1	43.3	64.9		
99	63.2	49.0	73.4		

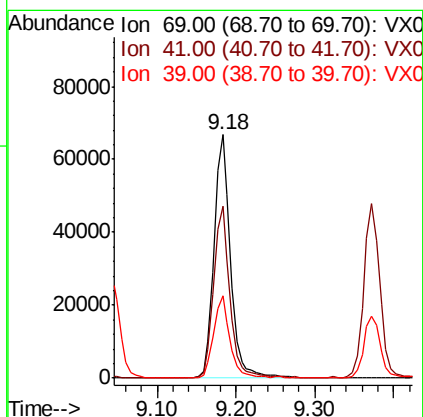
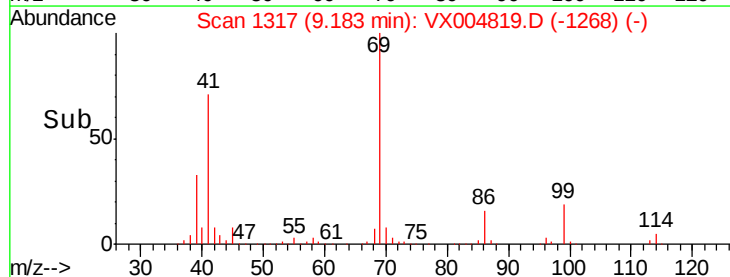
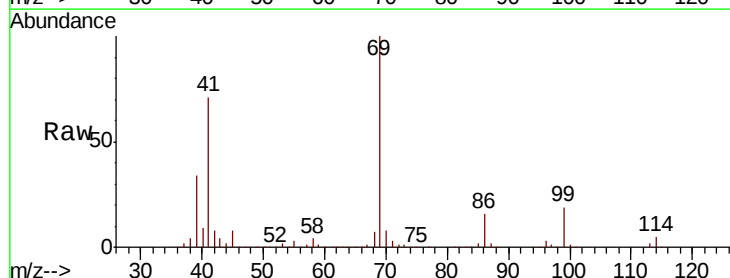
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#56
 Ethyl methacrylate
 Concen: 20.170 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		97380		
41	69.5	51.0	76.4		
39	33.2	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 20.070 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 76 Resp: 109187

Ion Ratio Lower Upper

76 100

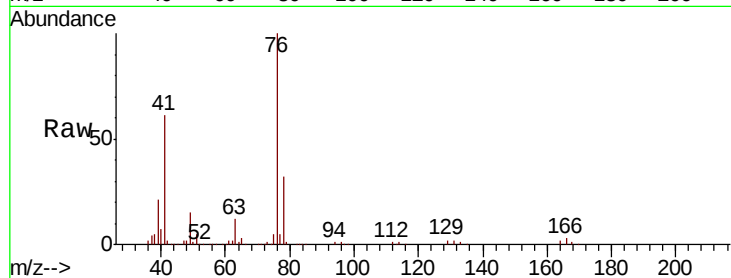
78 32.0 25.5 38.3

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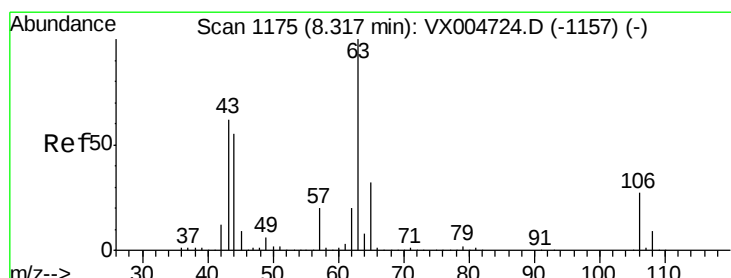
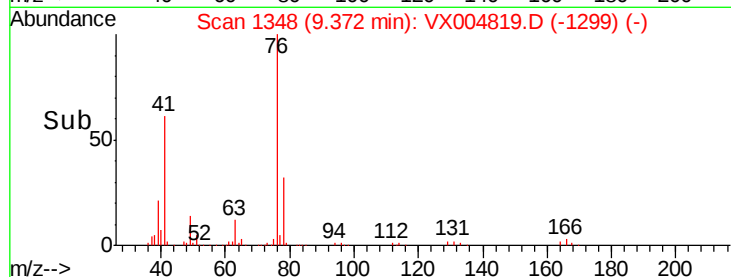
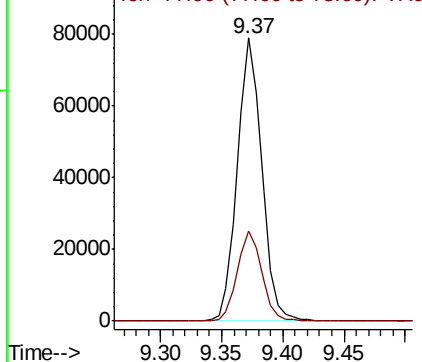
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 106.210 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004819.D

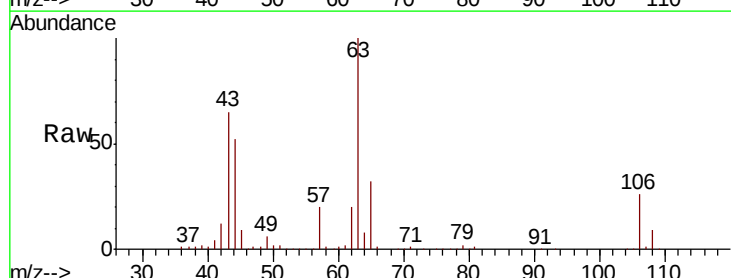
Acq: 28 Sep 2018 14:18

Tgt Ion: 63 Resp: 274679

Ion Ratio Lower Upper

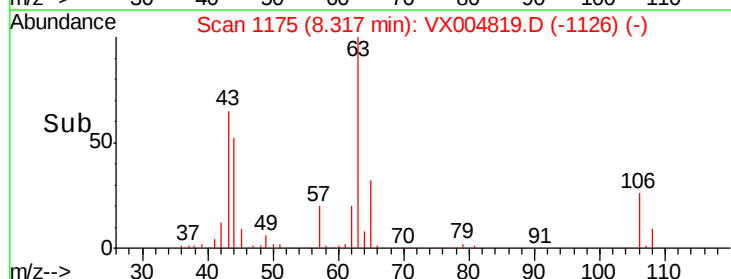
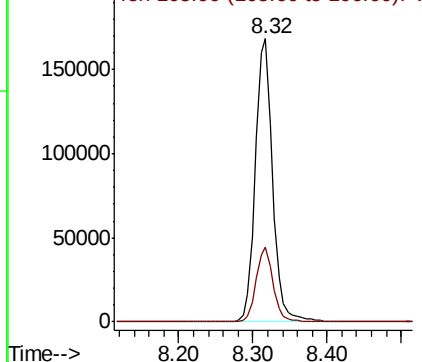
63 100

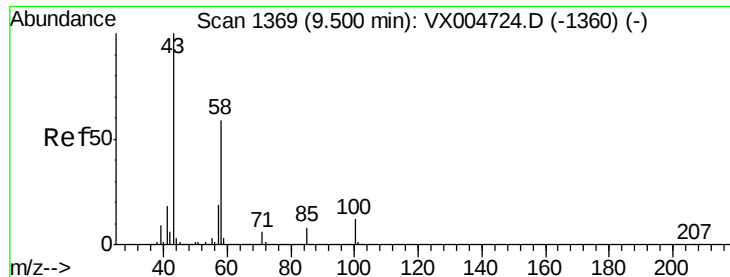
106 26.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





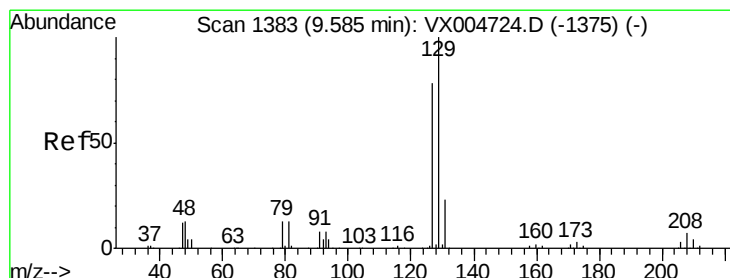
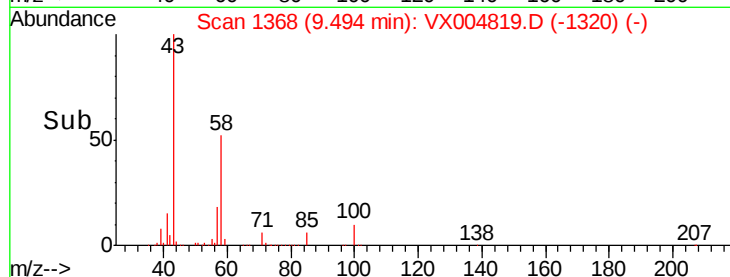
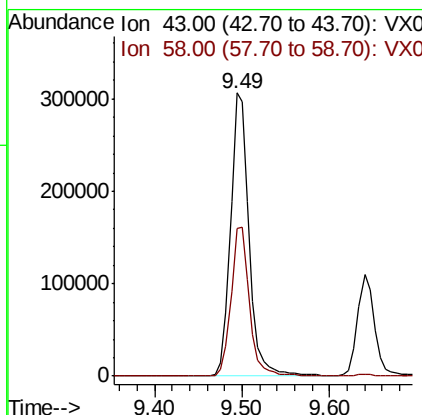
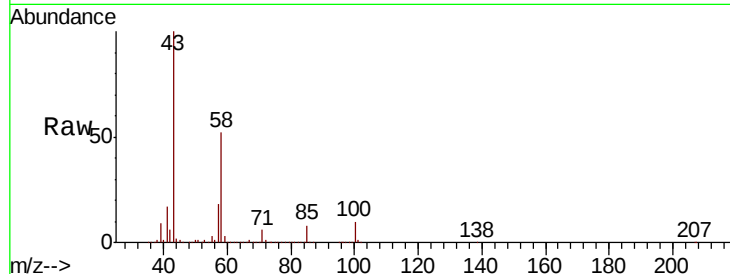
#59
2-Hexanone
Concen: 103.229 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
VX0928WBSD01

Tot Ion: 43 Resp: 450164
Ion Ratio Lower Upper
43 100
58 52.9 29.0 87.0

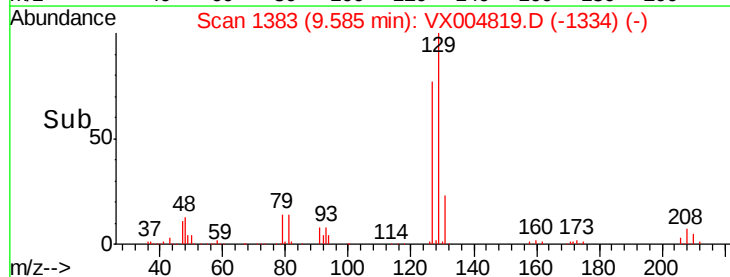
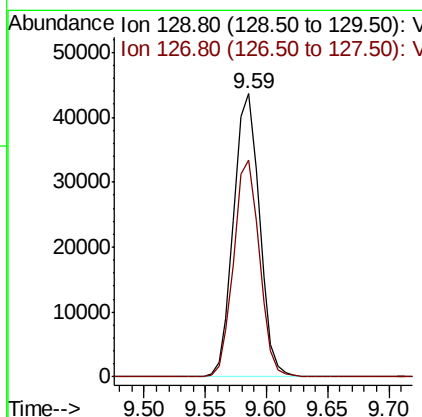
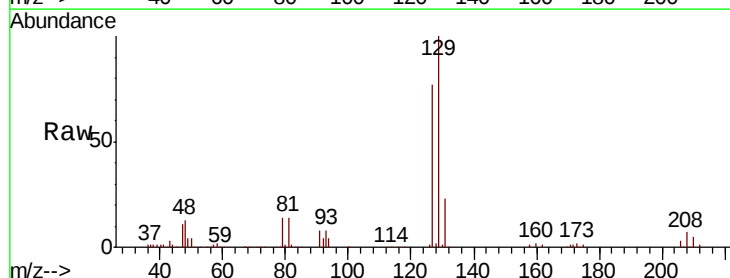
Manual Integrations
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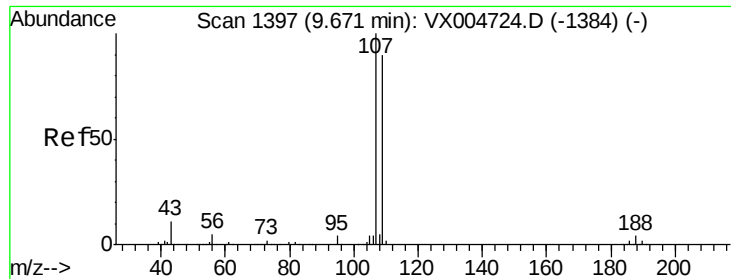
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#60
Dibromochloromethane
Concen: 19.591 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion: 129 Resp: 64043
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.916 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion:107 Resp: 66220

Ion Ratio Lower Upper

107 100

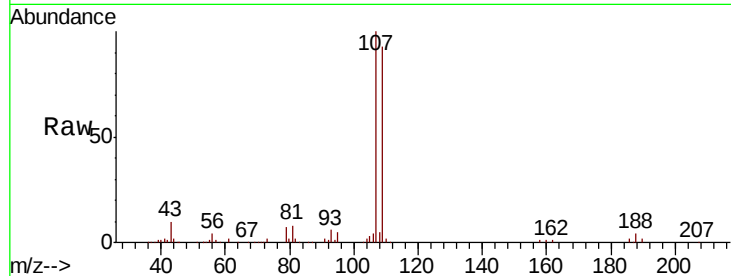
109 94.7 76.0 114.0

Manual Integrations

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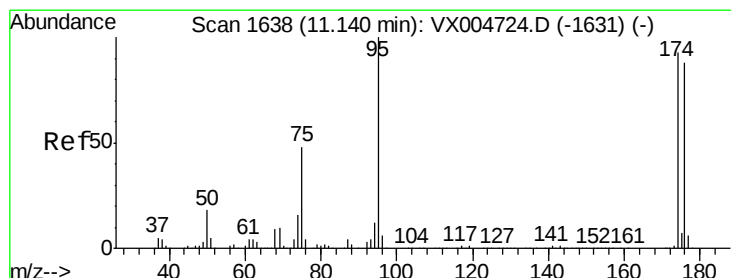
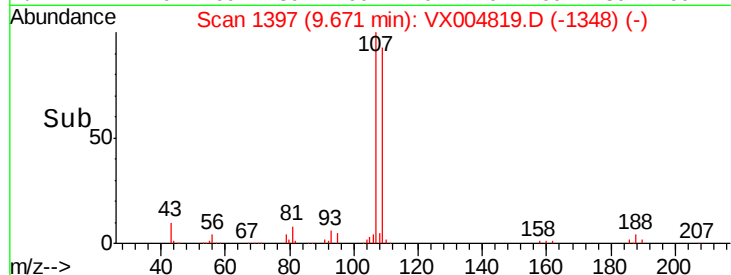
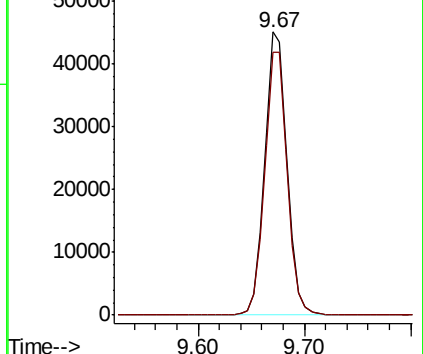
MMDadoda

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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: 51.664 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

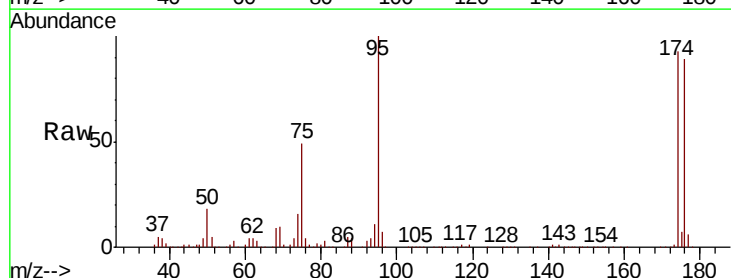
Tgt Ion: 95 Resp: 196734

Ion Ratio Lower Upper

95 100

174 89.2 0.0 185.2

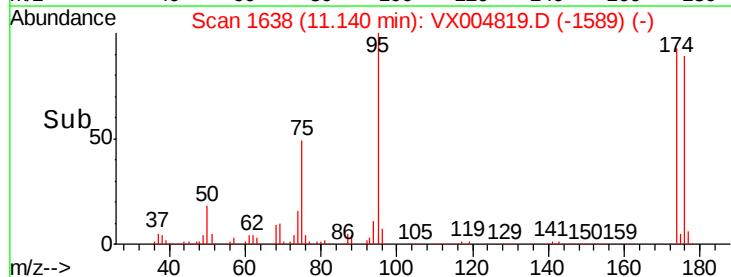
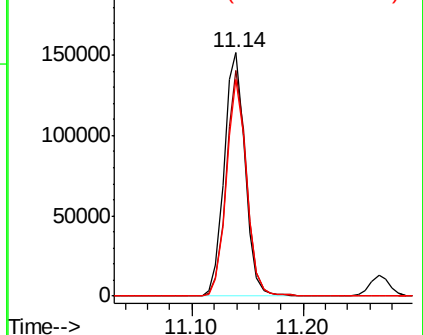
176 85.8 0.0 178.6



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





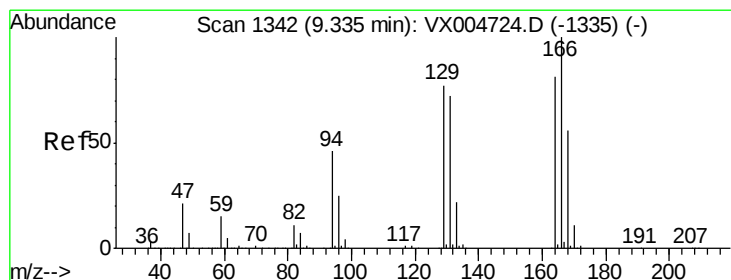
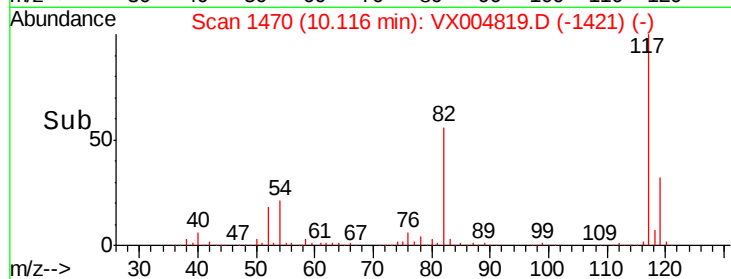
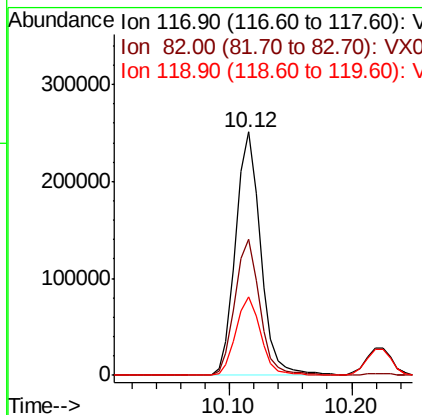
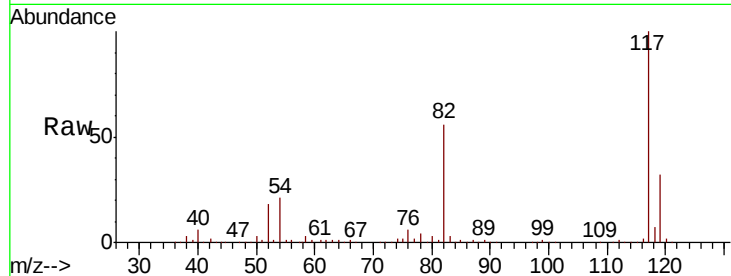
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.8	71.6
119	32.5	29.3	43.9

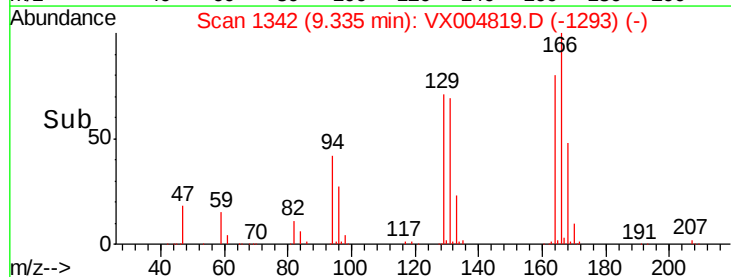
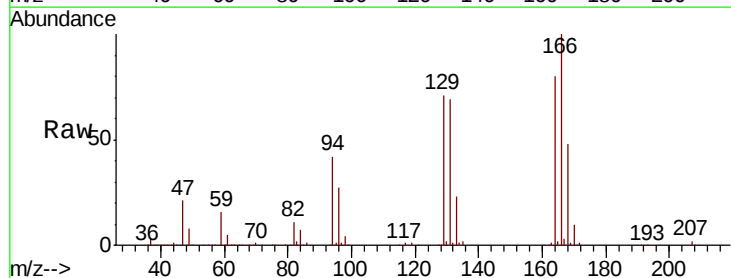
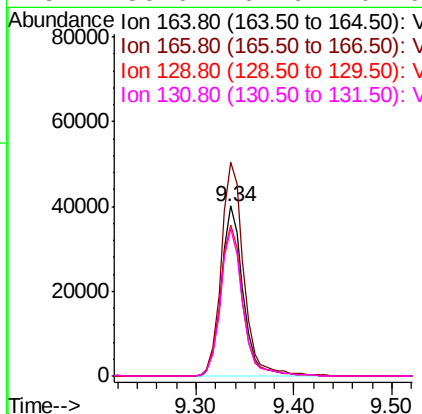
Manual Integrations
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#64
Tetrachloroethene
Concen: 17.745 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.8	154.2
129	88.6	69.4	104.0
131	86.6	67.9	101.9





#65

Chlorobenzene

Concen: 19.091 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

VX0928WBSD01

Tot Ion:112 Resp: 173892

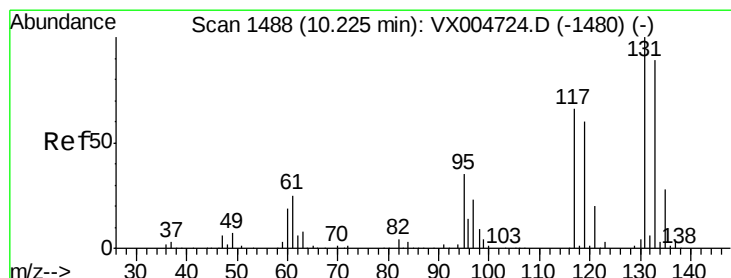
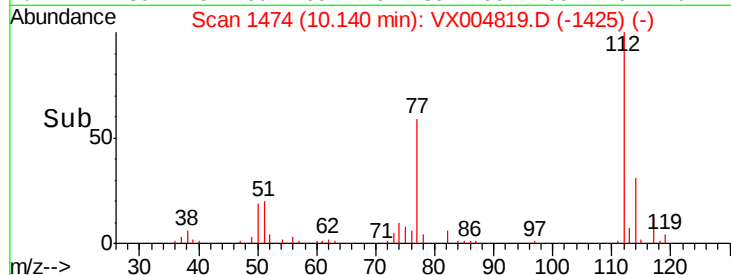
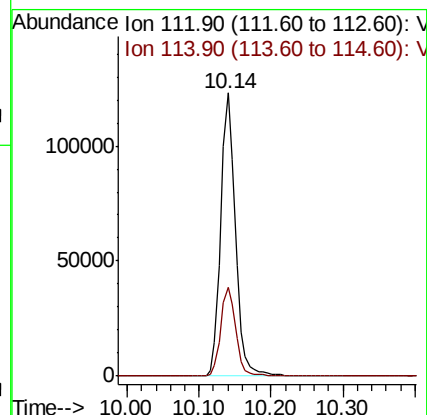
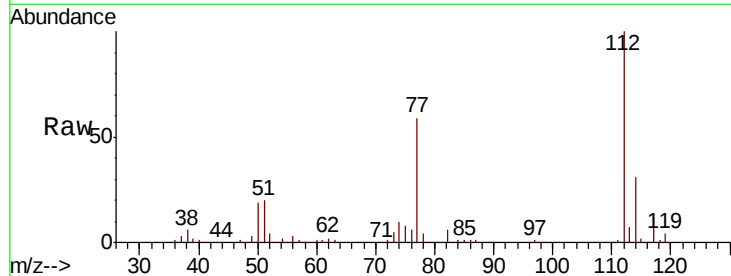
Ion Ratio Lower Upper

112 100

114 31.4 27.8 41.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.652 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

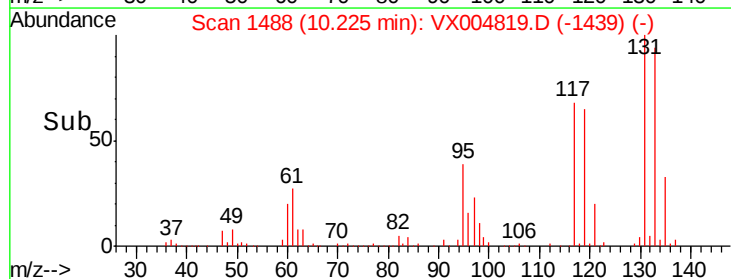
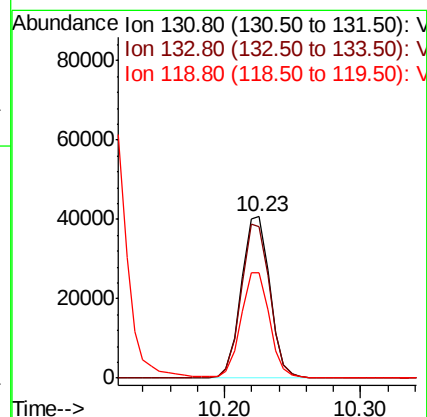
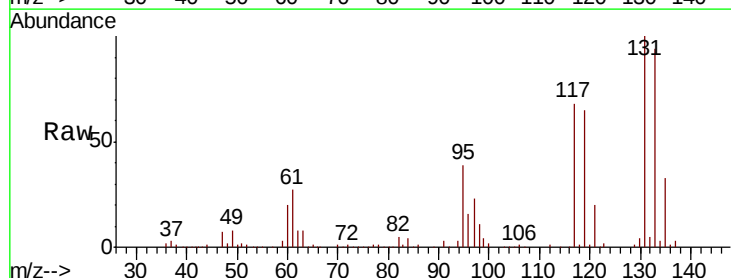
Tgt Ion:131 Resp: 59729

Ion Ratio Lower Upper

131 100

133 95.9 48.1 144.4

119 66.0 32.9 98.6





#67

Ethyl Benzene

Concen: 19.827 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampled :

VX0928WBSD01

Tot Ion: 91 Resp: 286719

Ion Ratio Lower Upper

91 100

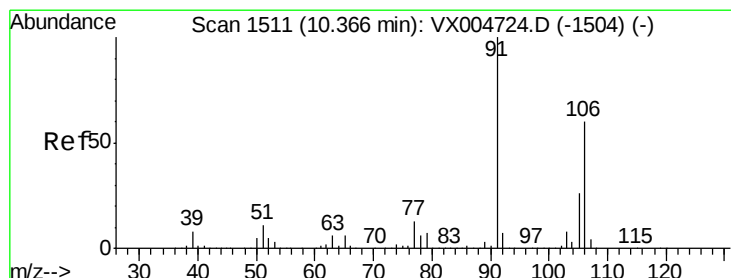
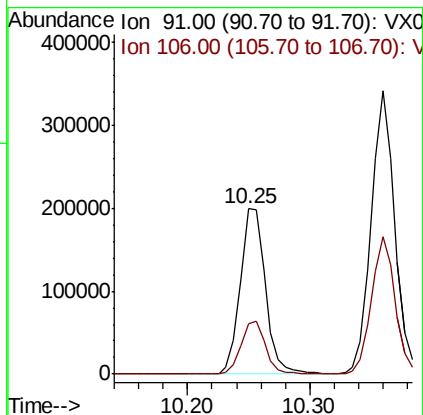
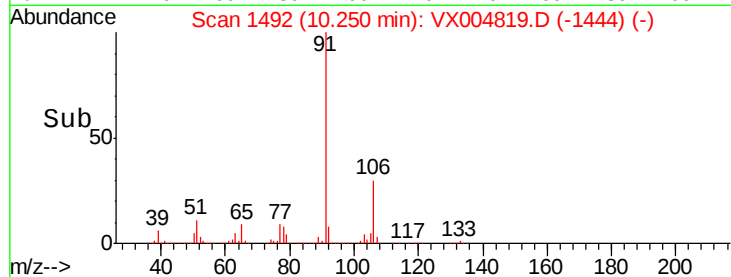
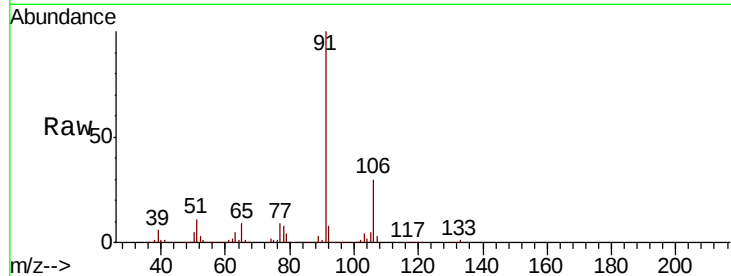
106 30.4 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.291 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004819.D

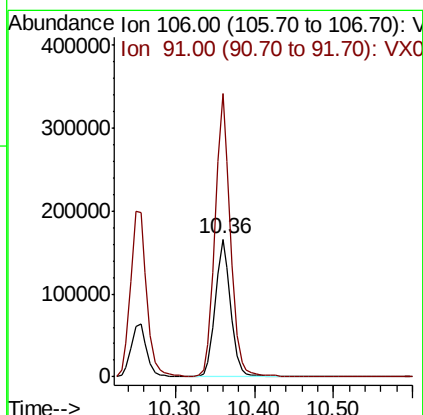
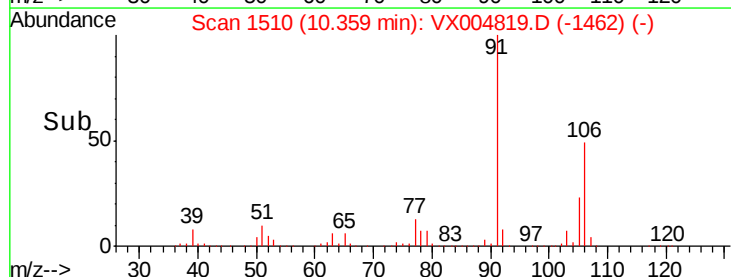
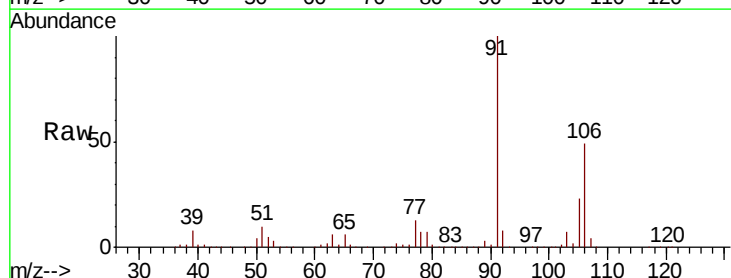
Acq: 28 Sep 2018 14:18

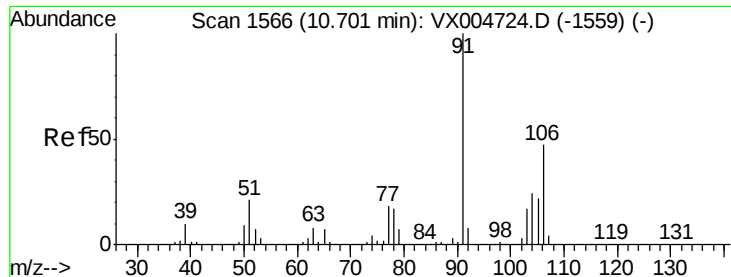
Tgt Ion: 106 Resp: 227682

Ion Ratio Lower Upper

106 100

91 203.8 157.1 235.7





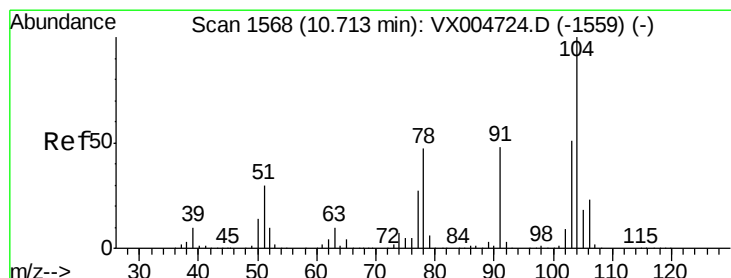
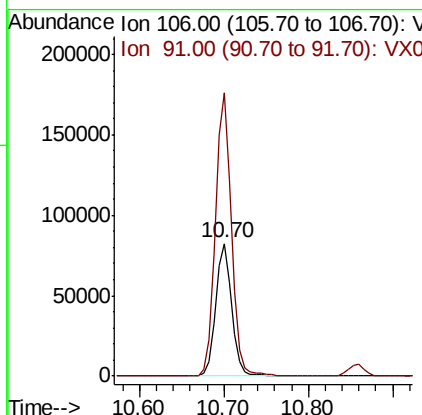
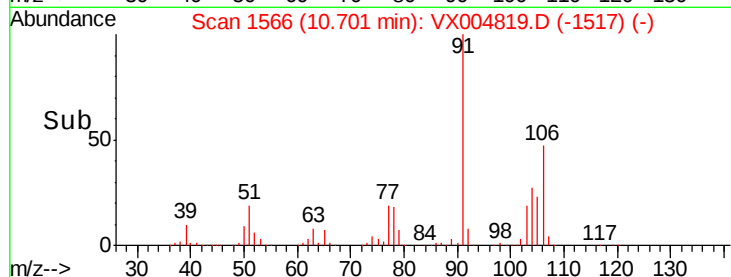
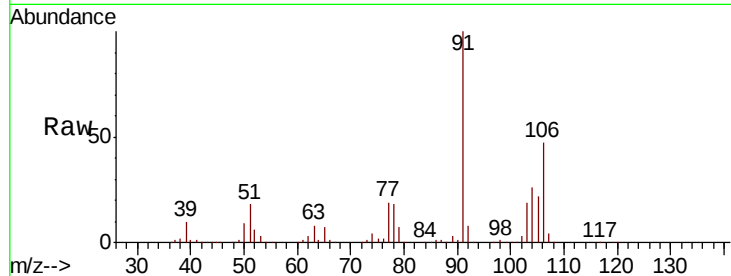
#69
o-Xylene
Concen: 20.908 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.0	105.1	315.1

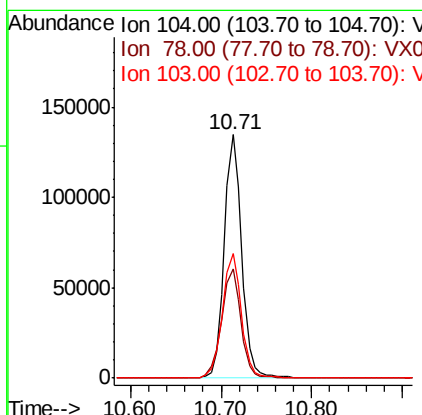
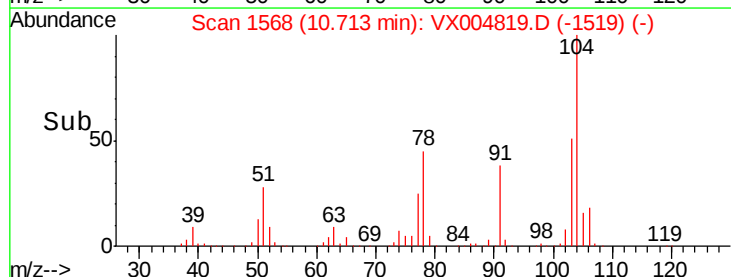
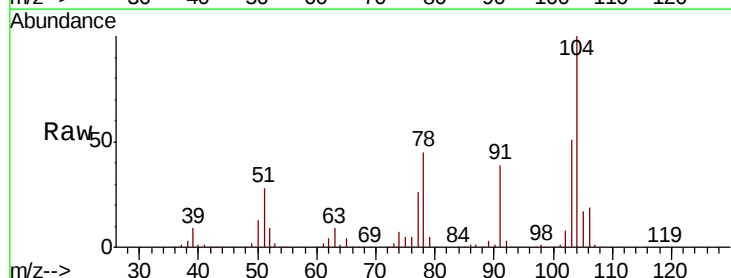
Manual Integrations
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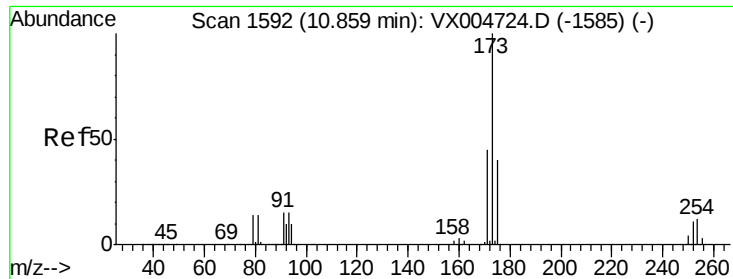
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#70
Styrene
Concen: 20.018 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	37.4	56.0
103	55.9	43.8	65.6





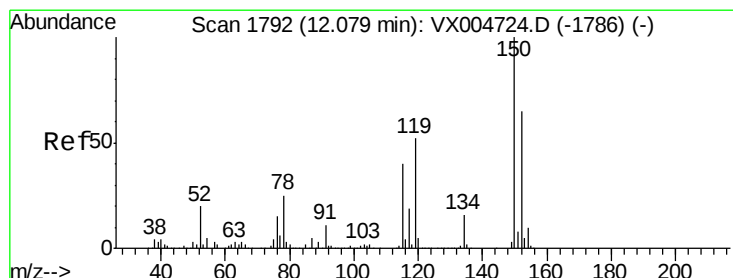
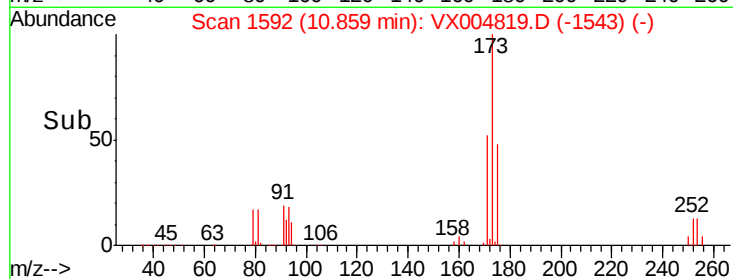
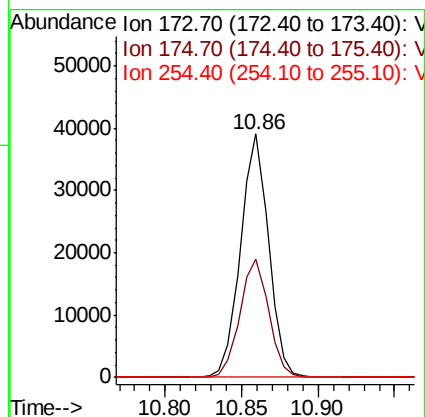
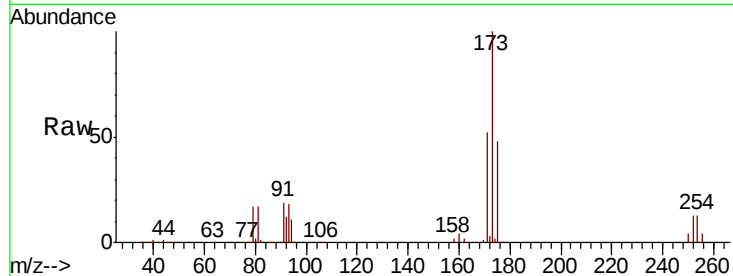
#71
Bromoform
Concen: 18.114 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.1	72.3
254	0.0	0.2	0.2

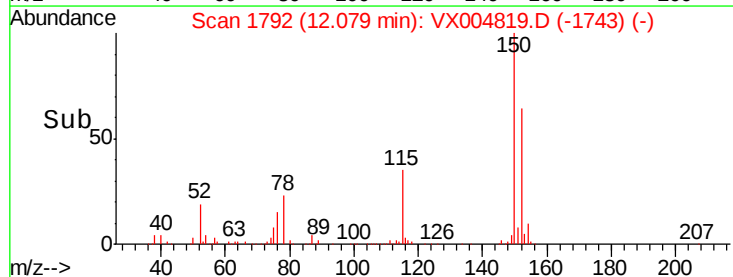
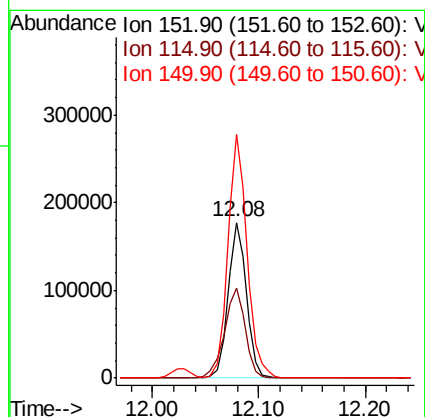
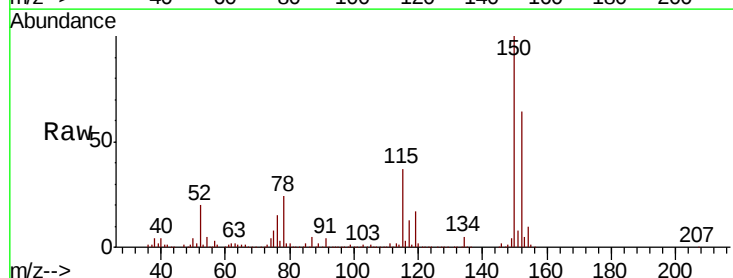
Manual Integrations
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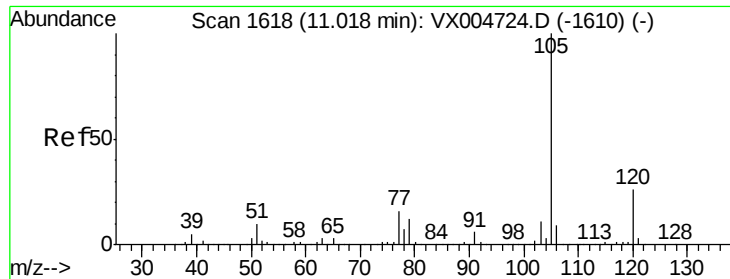
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.5	39.0	117.0
150	163.8	0.0	351.0





#73

Isopropylbenzene

Concen: 21.884 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleID :

VX0928WBSD01

Tot Ion: 105 Resp: 293312

Ion Ratio Lower Upper

105 100

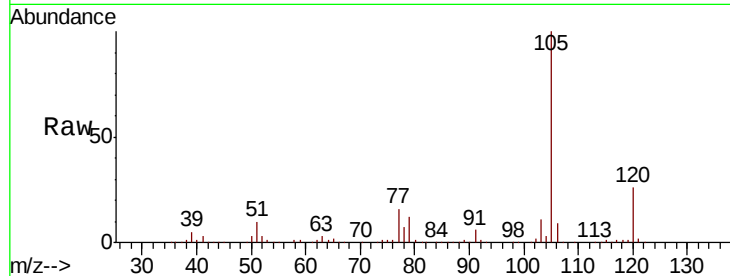
120 26.4 13.5 40.4

Manual Integrations

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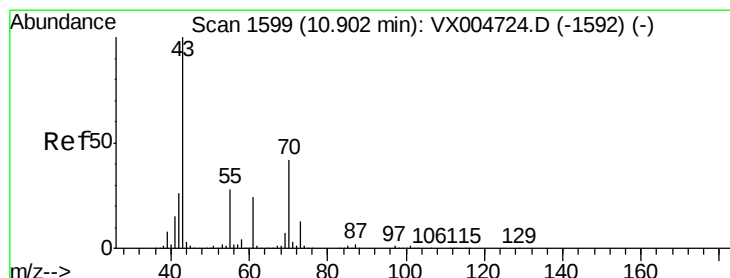
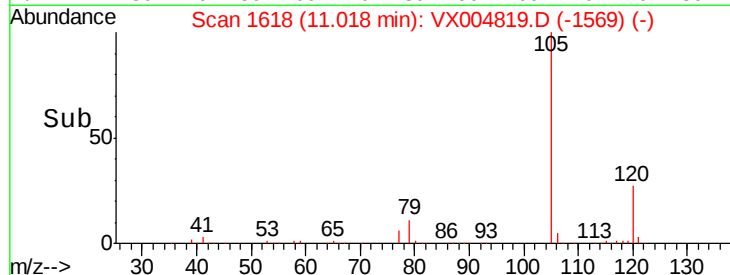
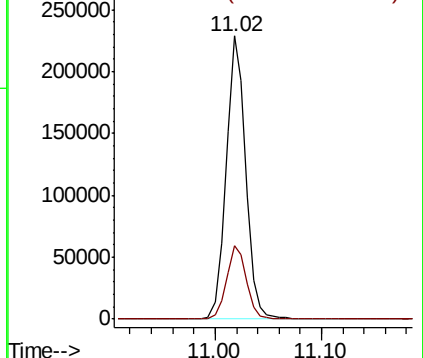
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.828 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion: 43 Resp: 138023

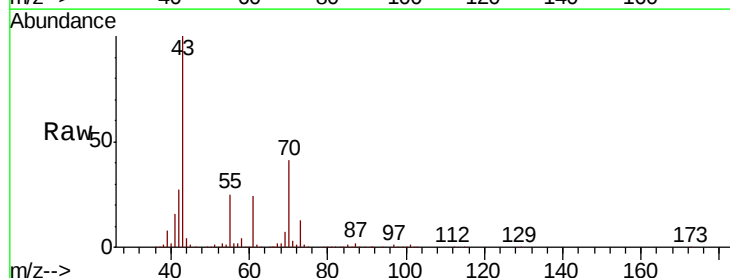
Ion Ratio Lower Upper

43 100

70 40.7 37.4 56.0

55 25.6 21.8 32.8

61 23.3 20.6 30.8

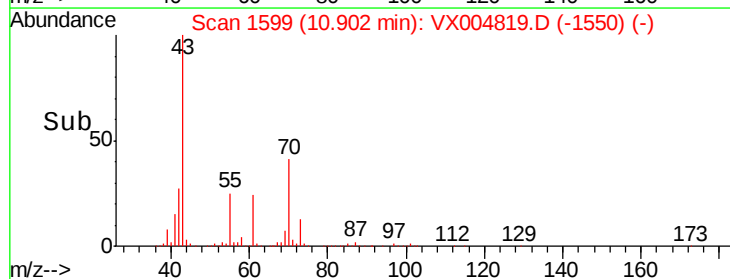
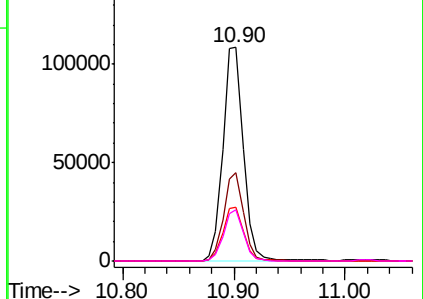


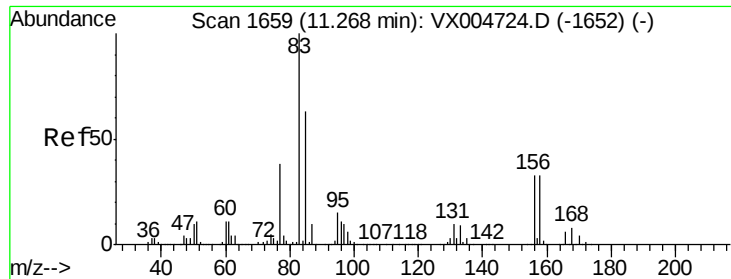
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.133 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 83 Resp: 104391
Ion Ratio Lower Upper

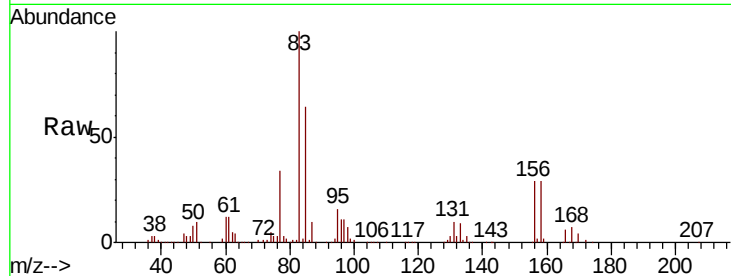
83 100

131 10.1 5.2 15.6

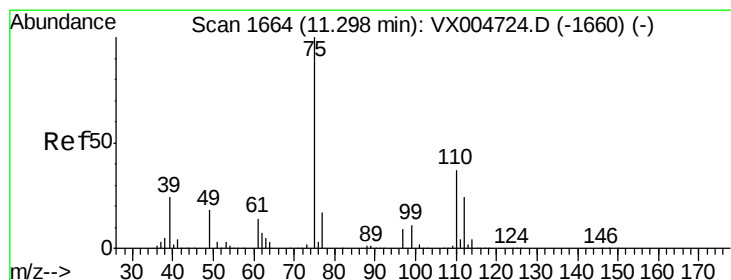
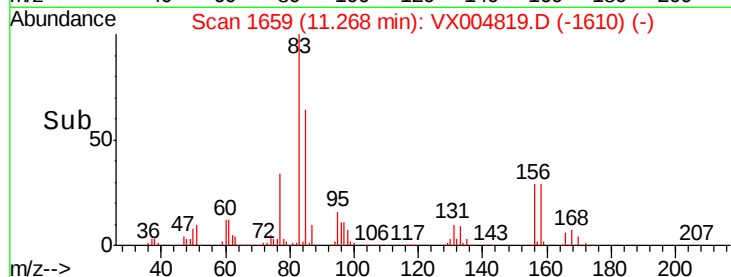
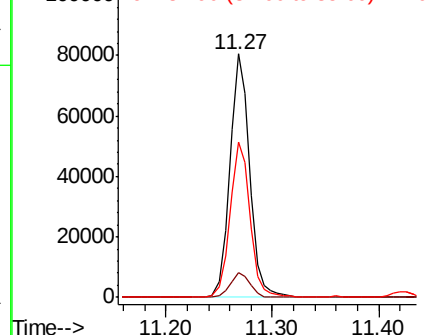
85 64.6 32.3 96.8

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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: 20.202 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

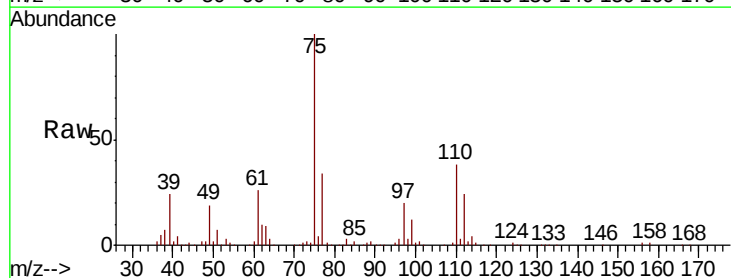
Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

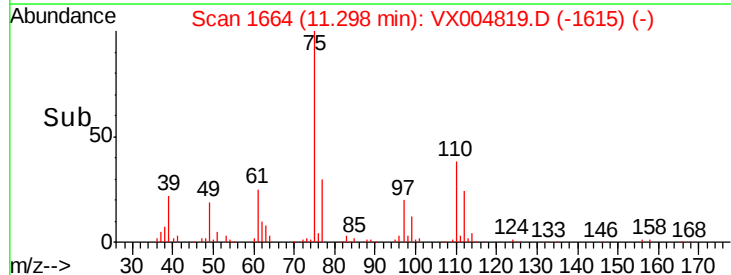
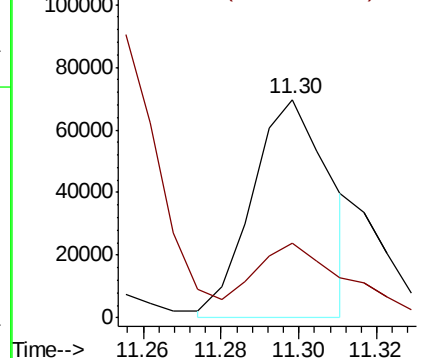
Tgt Ion: 75 Resp: 96285
Ion Ratio Lower Upper

75 100

77 40.5 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: 20.225 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion:156 Resp: 78737

Ion Ratio Lower Upper

156 100

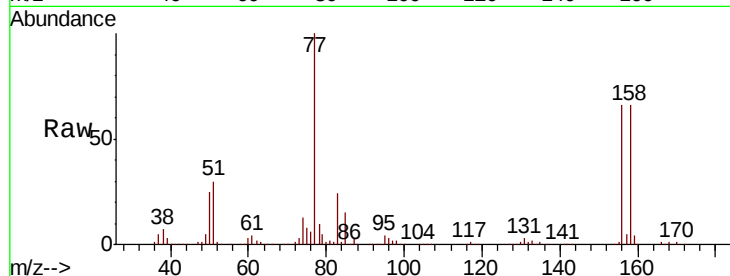
77 149.6 71.5 214.3

158 98.1 48.9 146.8

Manual Integrations
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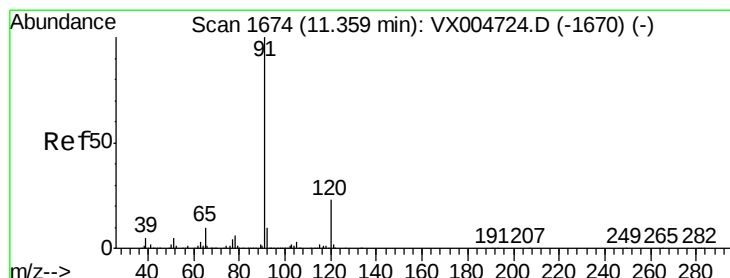
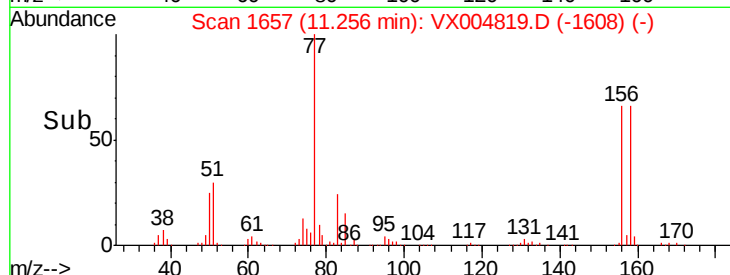
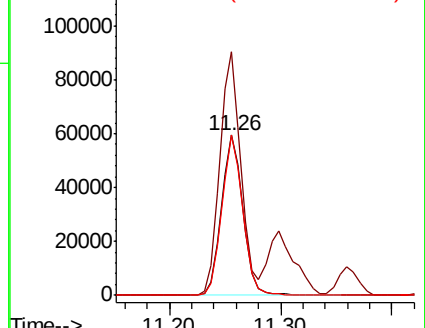
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.901 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004819.D

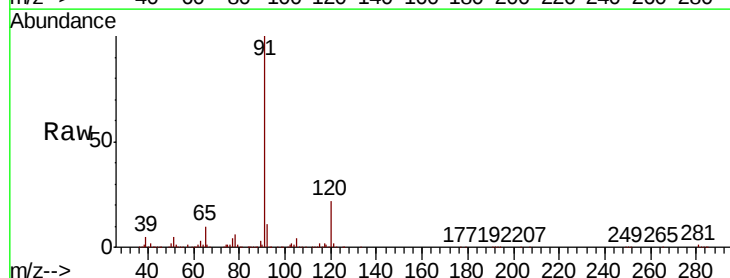
Acq: 28 Sep 2018 14:18

Tgt Ion: 91 Resp: 336800

Ion Ratio Lower Upper

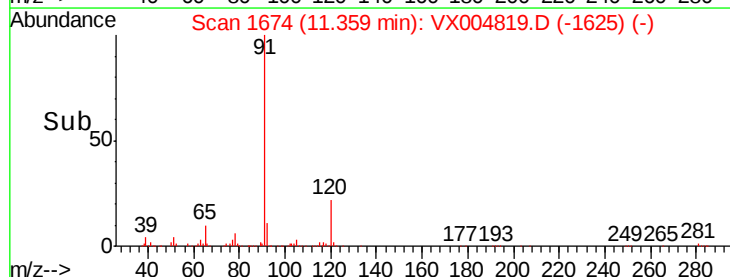
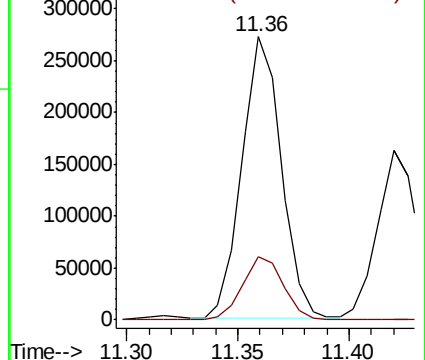
91 100

120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.117 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion: 91 Resp: 202424

Ion Ratio Lower Upper

91 100

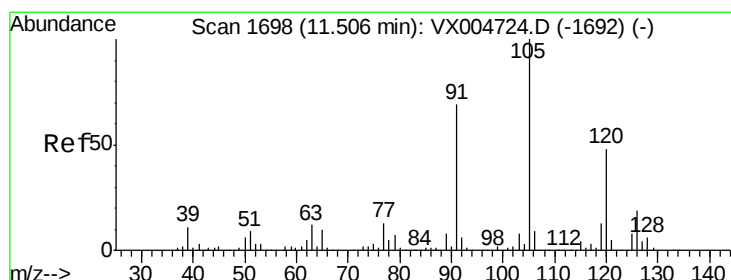
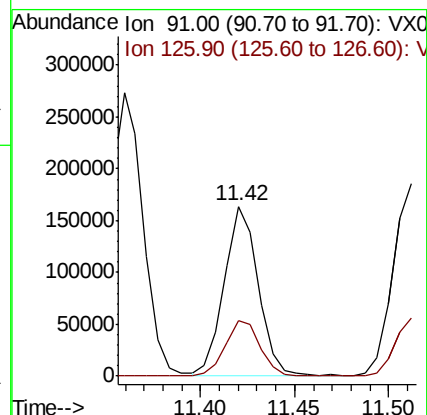
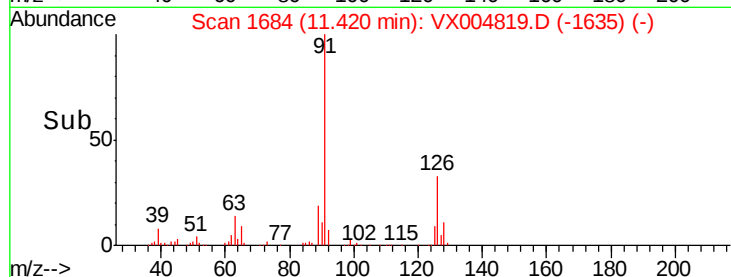
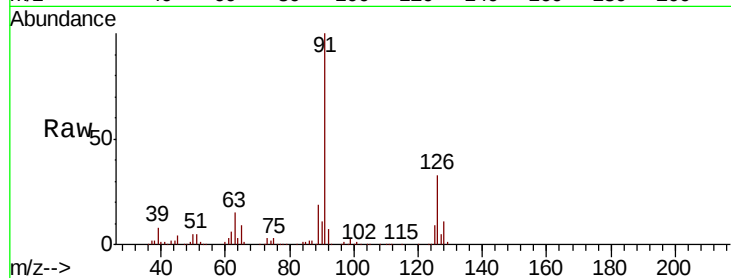
126 34.4 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 19.986 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004819.D

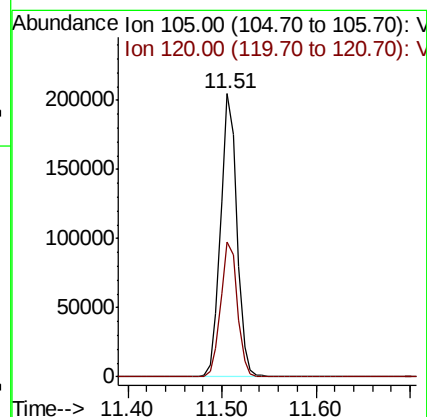
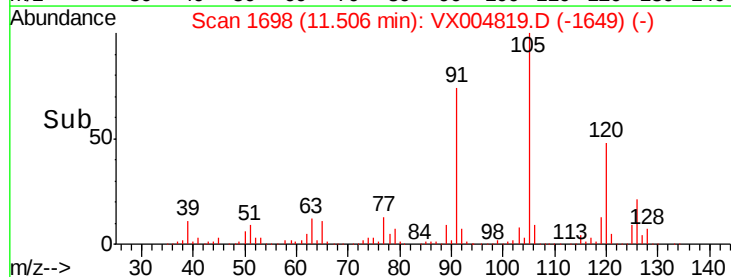
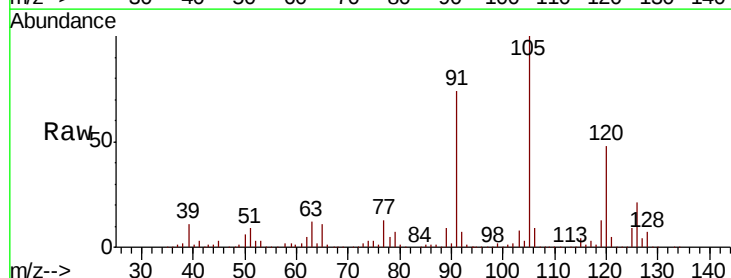
Acq: 28 Sep 2018 14:18

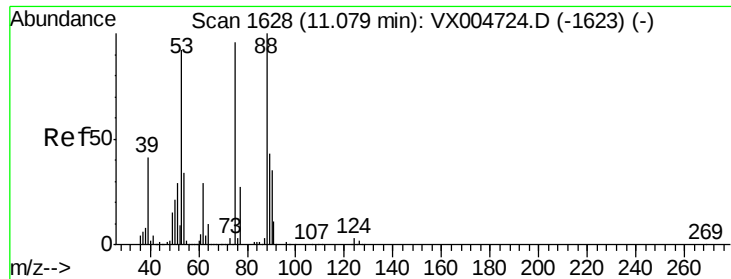
Tgt Ion: 105 Resp: 246978

Ion Ratio Lower Upper

105 100

120 48.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.292 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

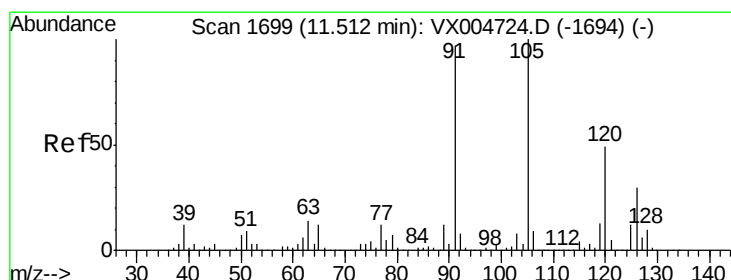
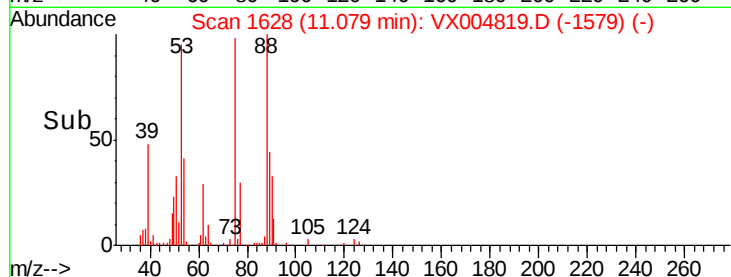
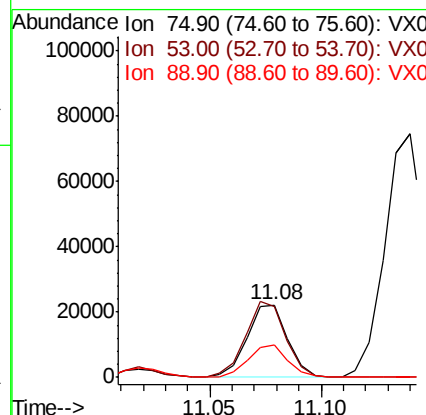
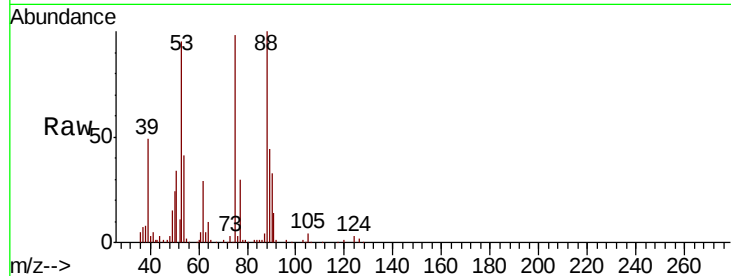
ClientSampleId :

VX0928WBSD01

Tot Ion:	75	Resp:	27852
Ion	Ratio	Lower	Upper
75	100		
53	103.9	80.1	120.1
89	44.8	37.2	55.8

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#82

4-Chlorotoluene

Concen: 21.202 ug/l

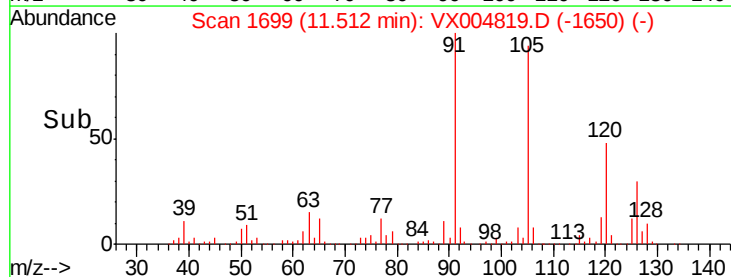
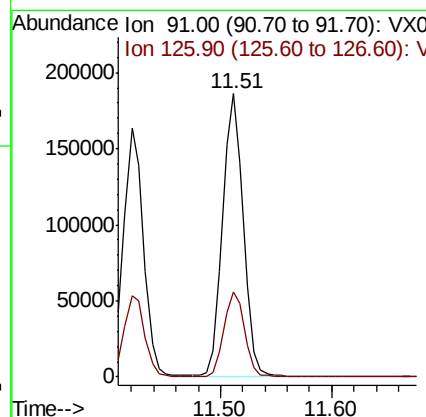
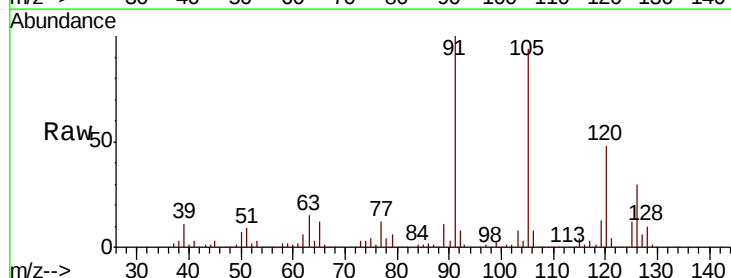
RT: 11.51 min Scan# 1699

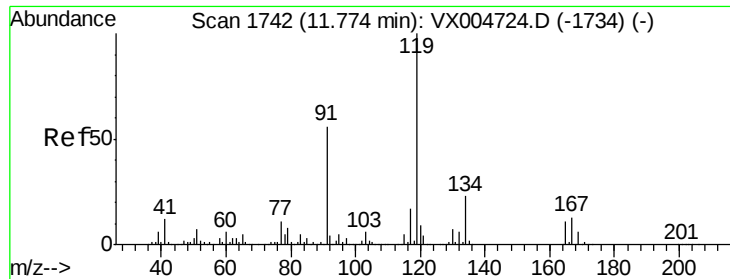
Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Tgt Ion:	91	Resp:	239212
Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.5	46.5





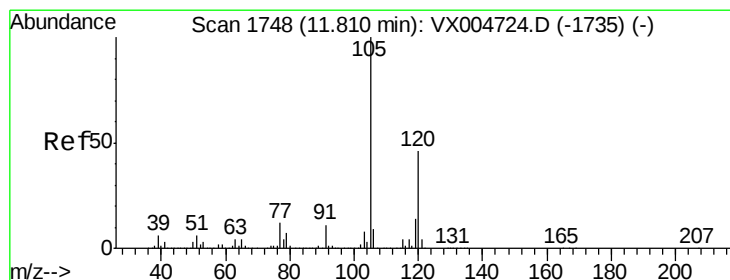
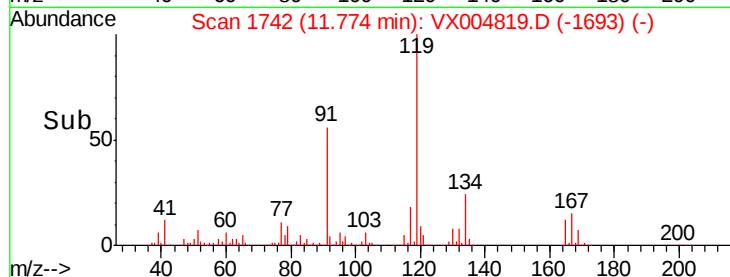
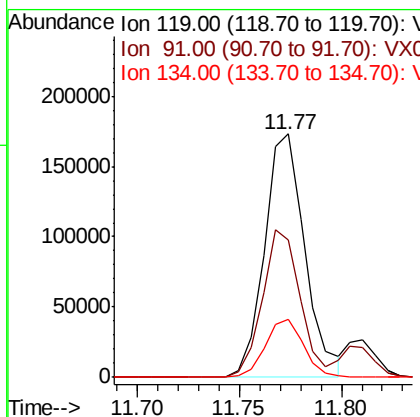
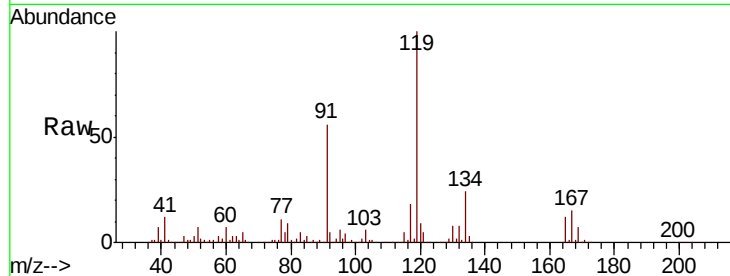
#83
 tert-Butylbenzene
 Concen: 21.693 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239381		
91	56.3		27.0	81.0
134	22.9		11.7	35.1

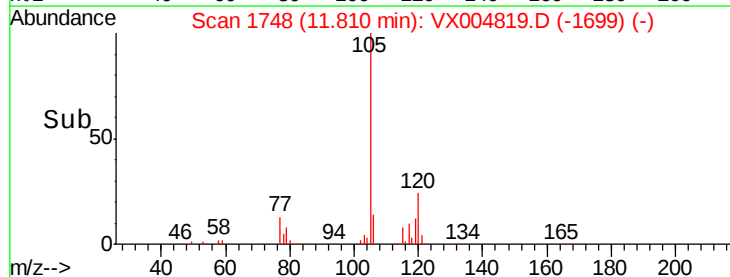
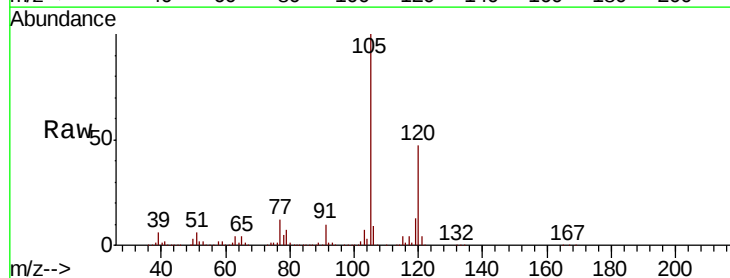
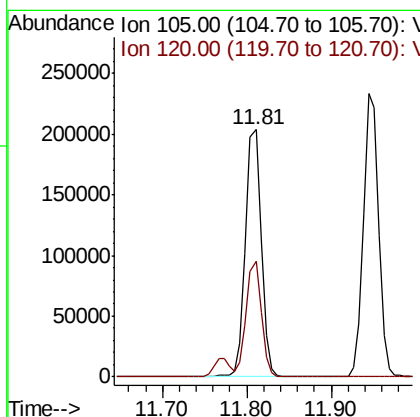
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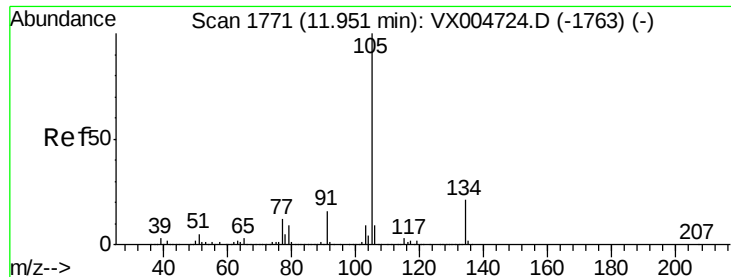
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.996 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	254822		
120	45.0		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.853 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0928WBSD01

Tot Ion:105 Resp: 293727

Ion Ratio Lower Upper

105 100

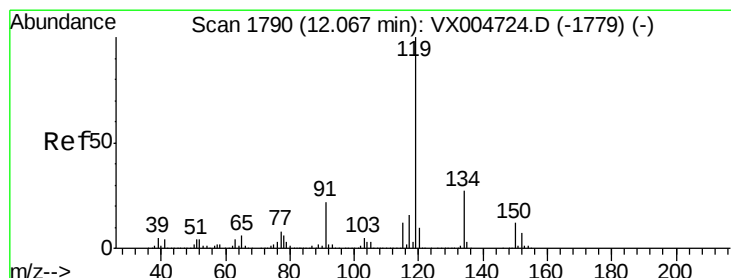
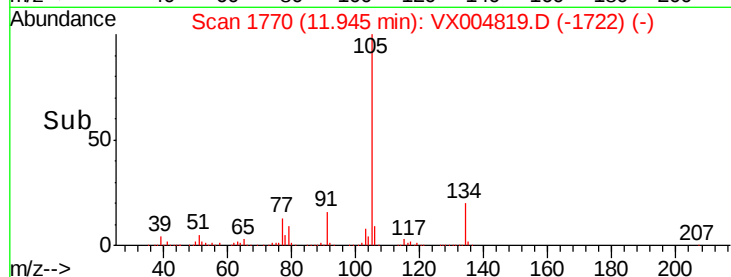
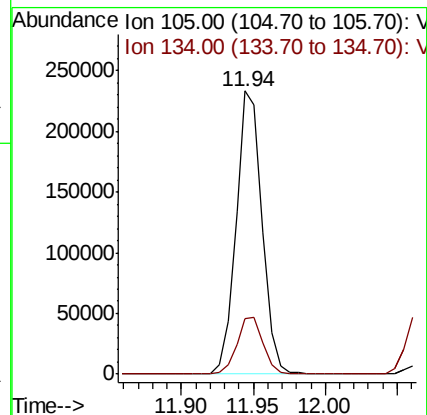
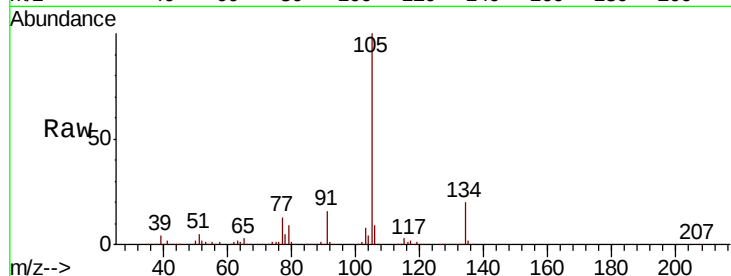
134 20.2 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.384 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004819.D

Acq: 28 Sep 2018 14:18

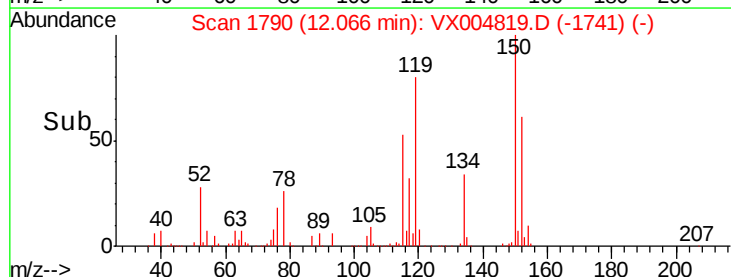
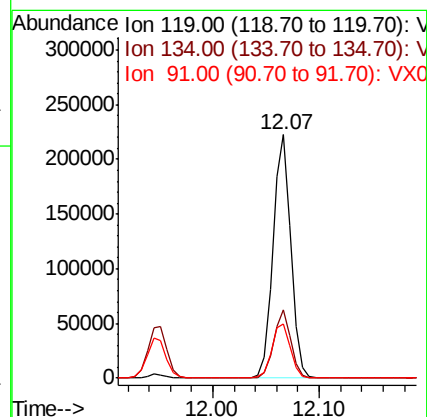
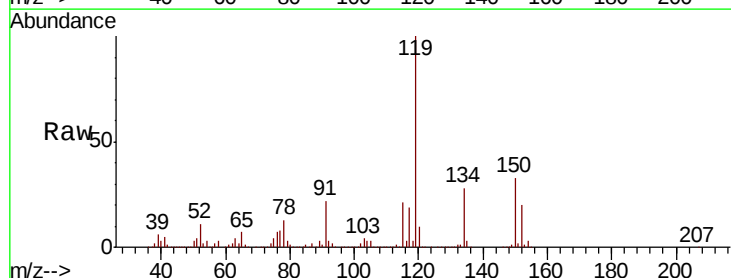
Tgt Ion:119 Resp: 260414

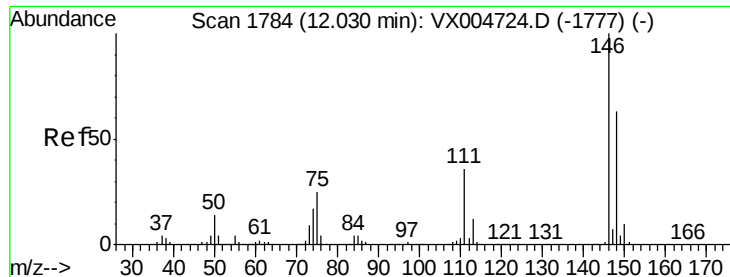
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 23.1 10.9 32.7





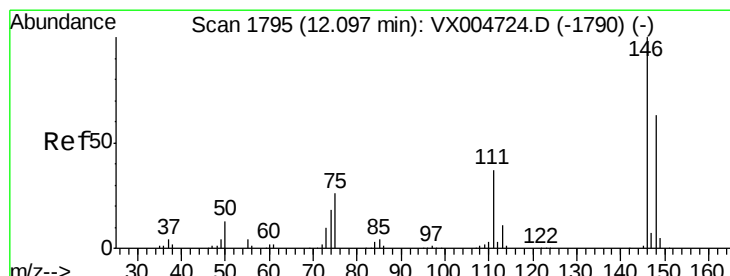
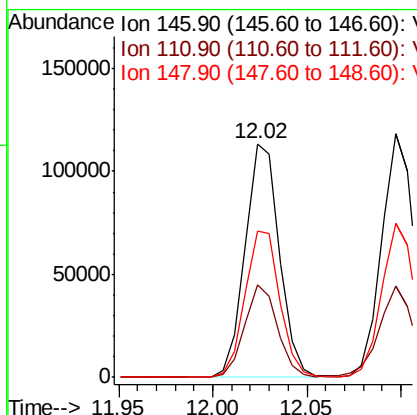
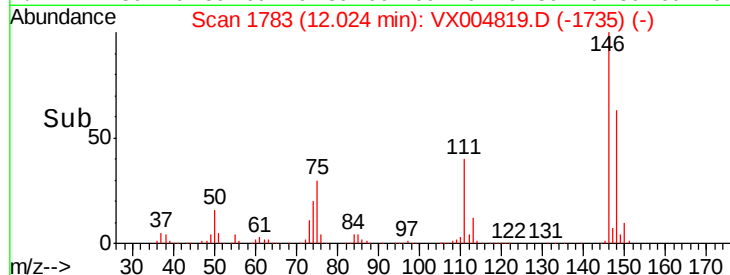
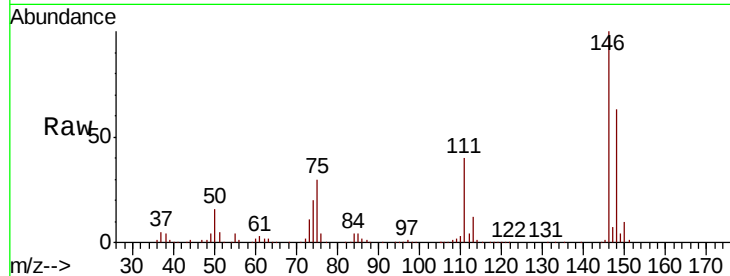
#87
 1,3-Dichlorobenzene
 Concen: 19.739 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.7	56.1
148	63.3	32.1	96.5

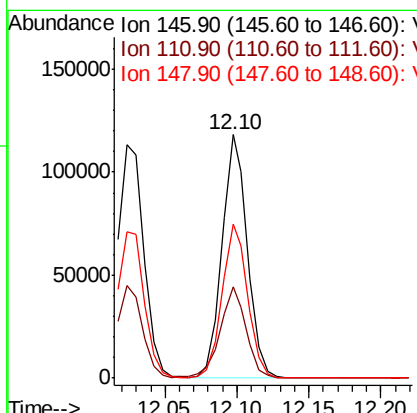
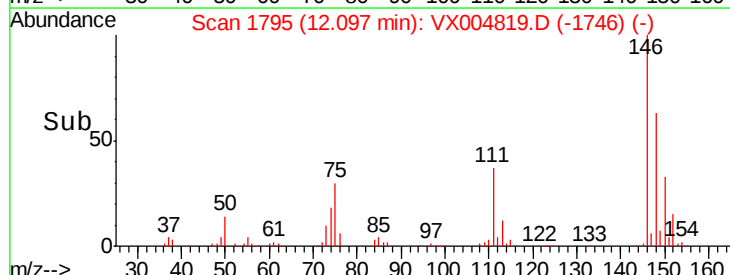
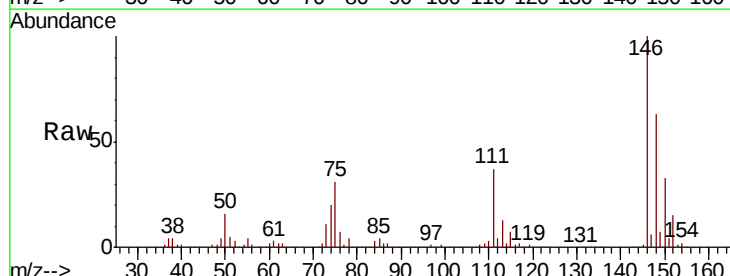
Manual Integrations
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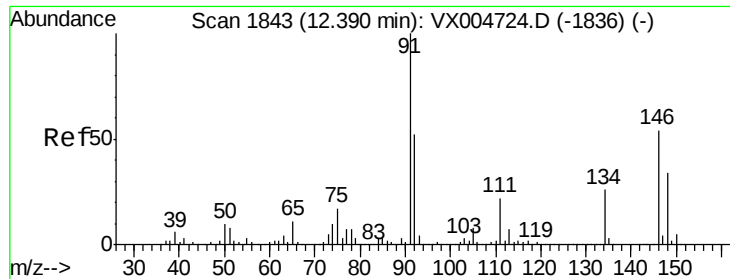
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#88
 1,4-Dichlorobenzene
 Concen: 19.477 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.1
148	64.2	32.0	96.0





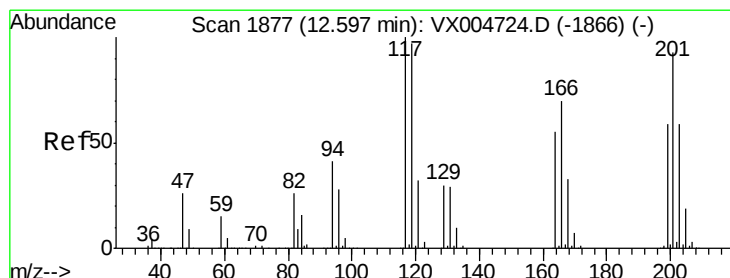
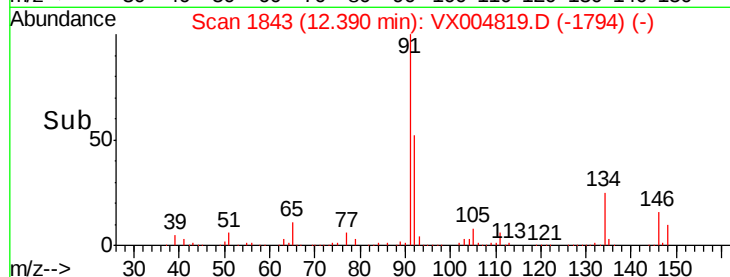
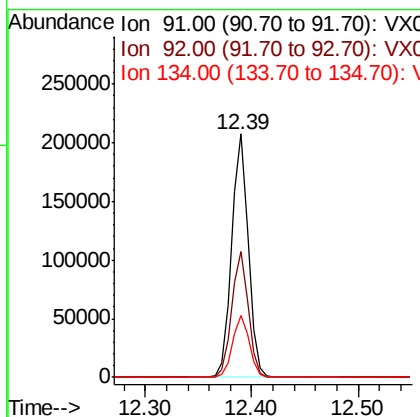
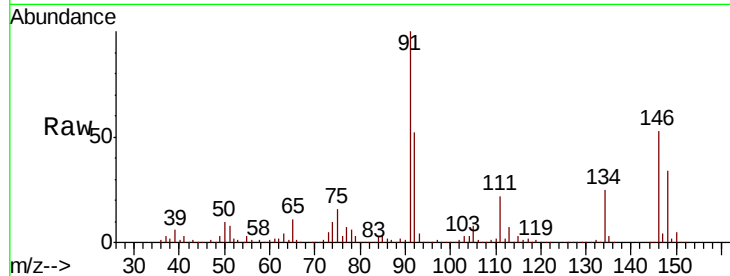
#89
n-Butylbenzene
Concen: 20.628 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	27.3	81.9
134	25.7	13.6	40.7

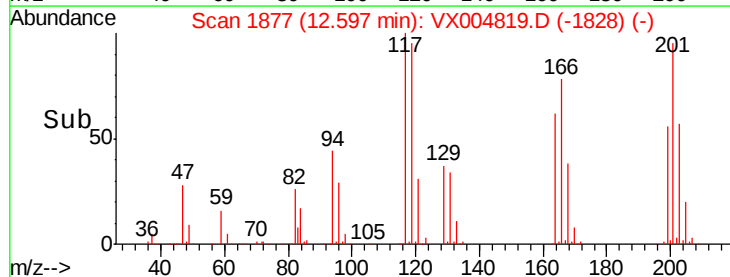
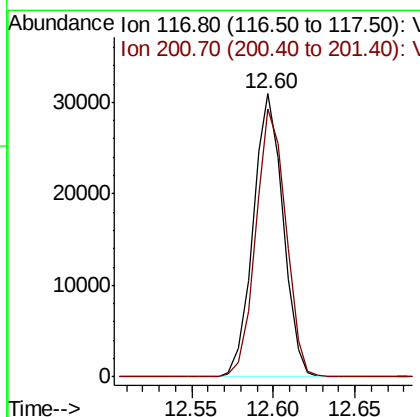
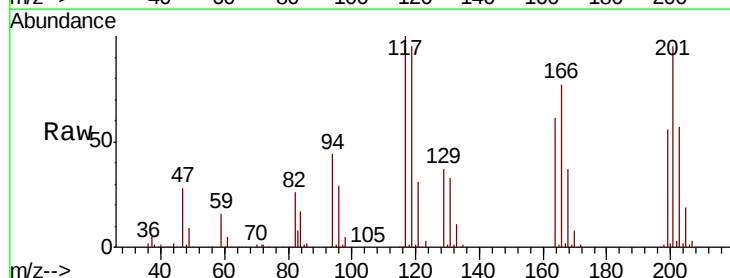
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#90
Hexachloroethane
Concen: 19.507 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	46.9	140.6





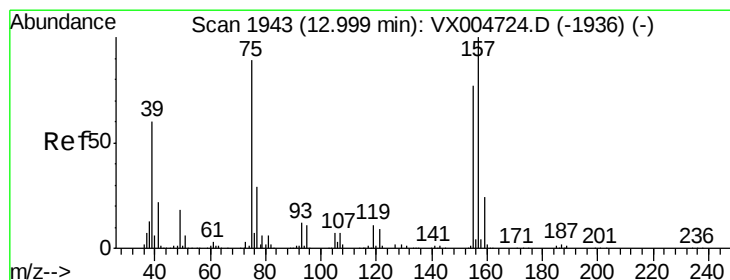
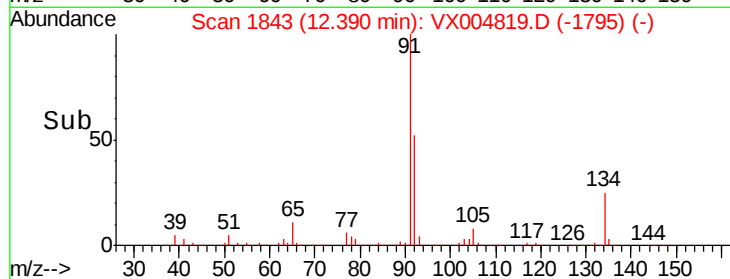
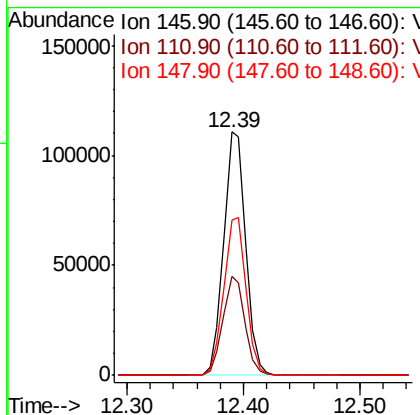
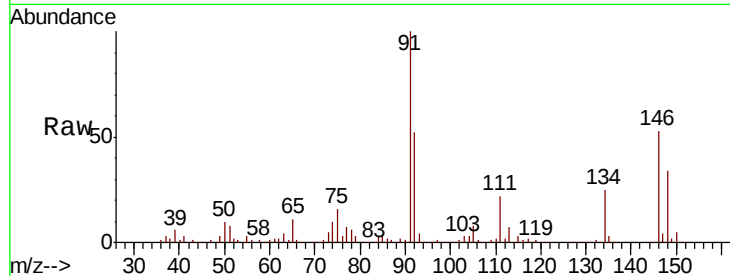
#91
 1,2-Dichlorobenzene
 Concen: 18.973 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.4	58.1
148	65.5	32.8	98.3

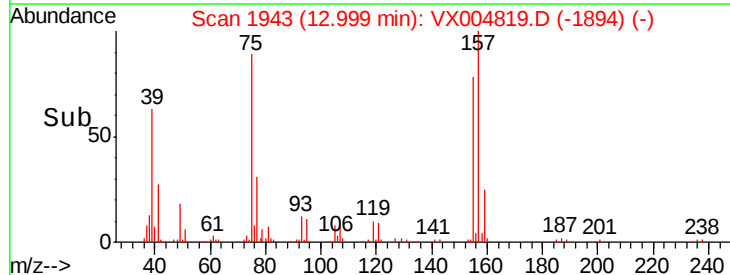
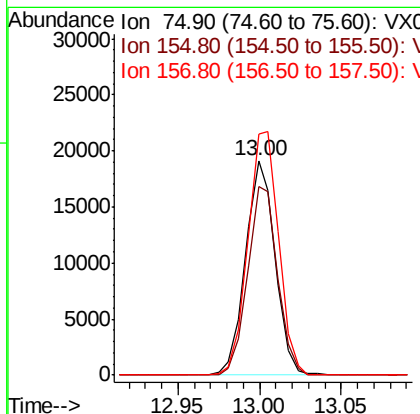
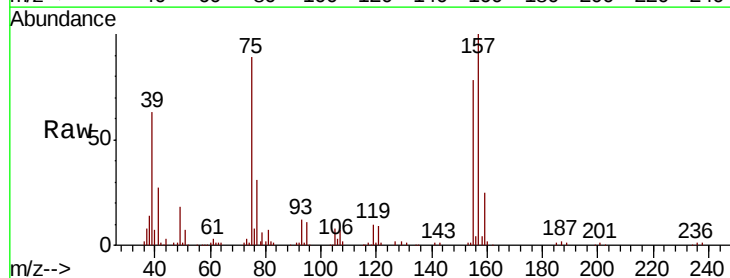
Manual Integrations
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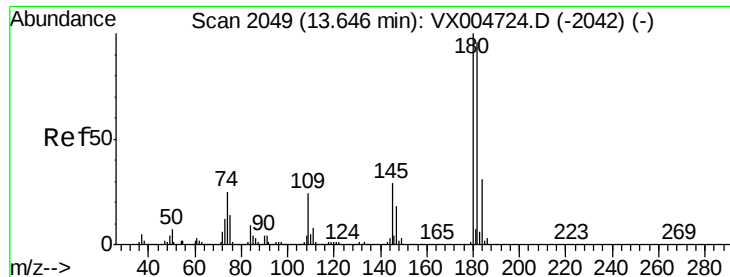
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.197 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	48.0	144.2
157	118.3	61.4	184.1





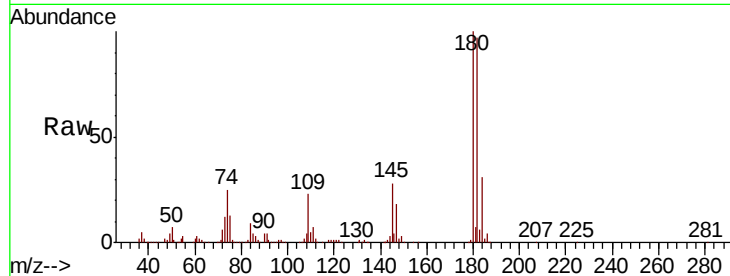
#93
 1,2,4-Trichlorobenzene
 Concen: 19.398 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

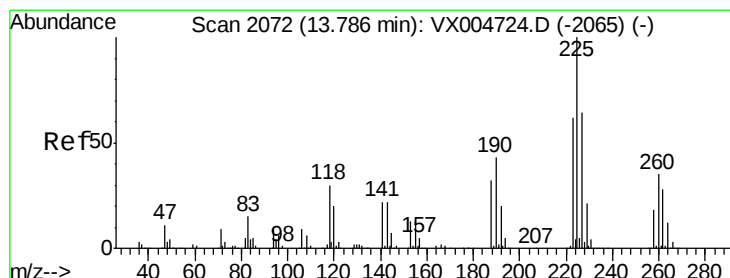
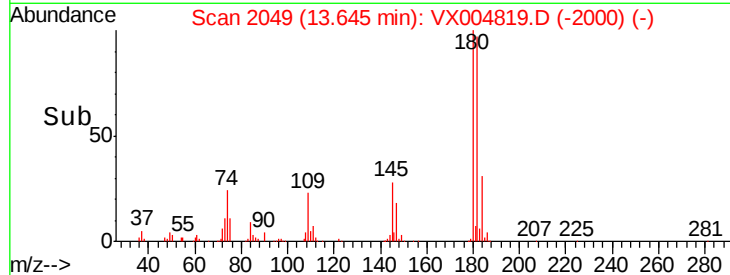
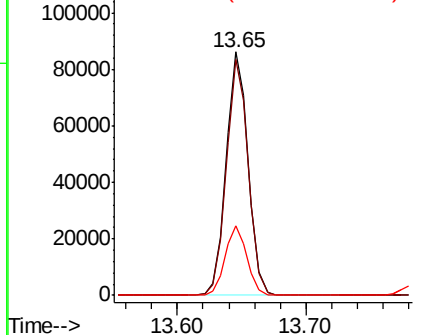
Tot Ion:	180	Resp:	103375
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.4	145.0
145	28.3	14.3	42.9

Manual Integrations
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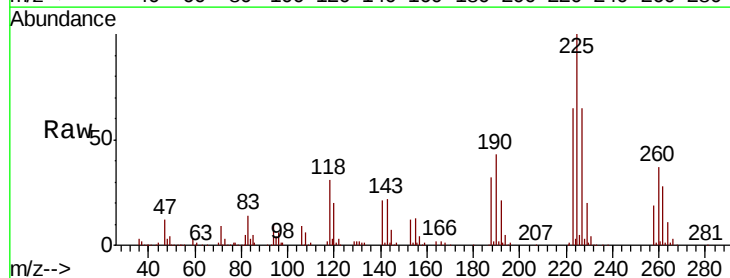


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

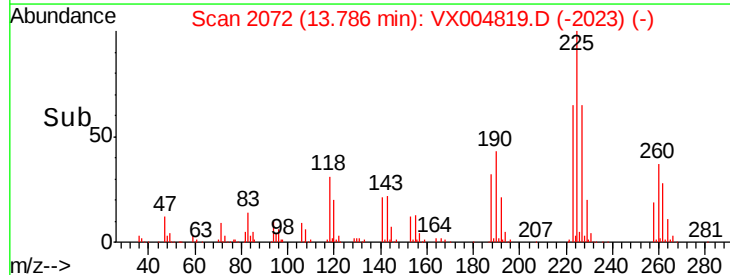
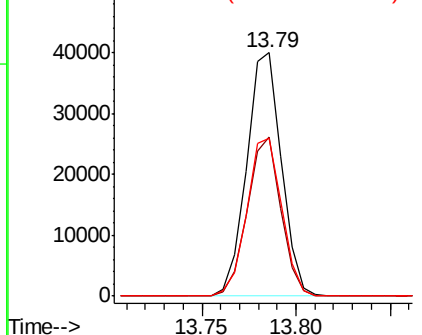


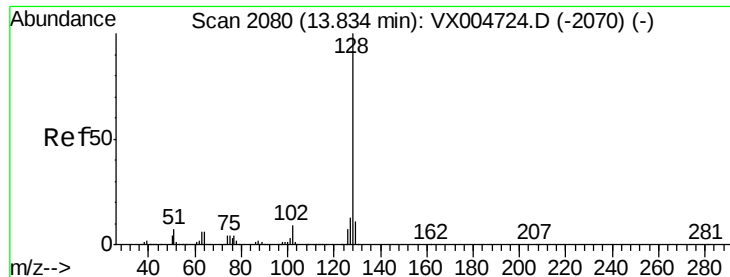
#94
 Hexachlorobutadiene
 Concen: 18.550 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004819.D
 Acq: 28 Sep 2018 14:18

Tgt Ion:	225	Resp:	51260
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.1	90.5
227	64.9	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





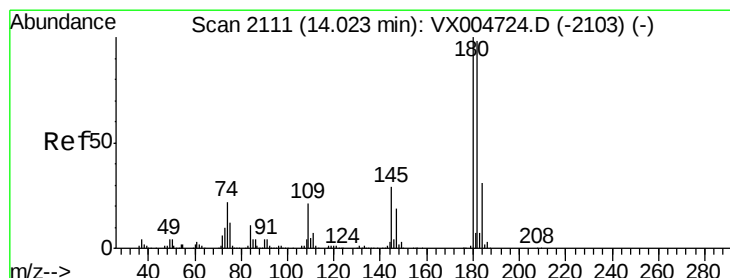
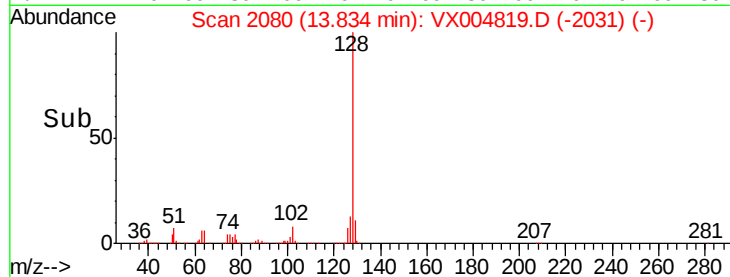
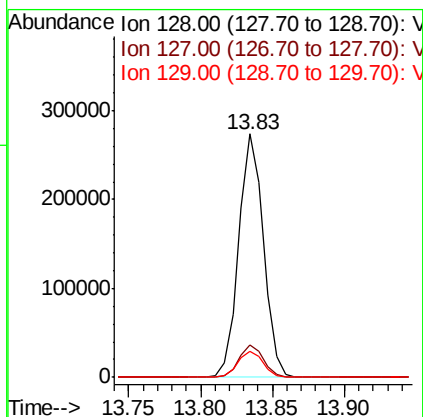
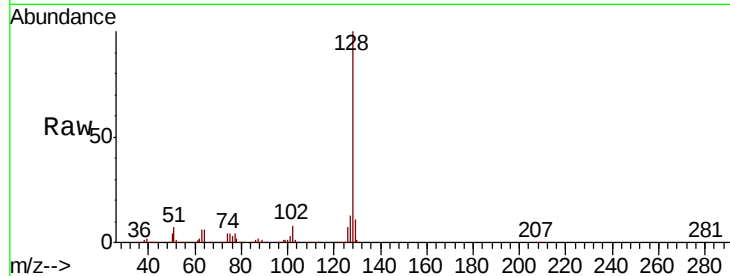
#95
Naphthalene
Concen: 18.987 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0928WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:31:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.573 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004819.D
Acq: 28 Sep 2018 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.5	145.6
145	30.1	14.9	44.9

