

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110618\
 Data File : VX005798.D
 Acq On : 06 Nov 2018 10:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/7/2018 11:02:29 AM

Quant Time: Nov 07 08:31:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	165471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257425	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	225734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	113360	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
35) Dibromofluoromethane	5.50	113	88457	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	317350	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.13	95	119241	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	102639	53.694	ug/l	96
3) Chloromethane	1.32	50	111040	49.248	ug/l	100
4) Vinyl Chloride	1.41	62	115988	49.445	ug/l	98
5) Bromomethane	1.64	94	111191	38.199	ug/l	94
6) Chloroethane	1.71	64	74549	49.103	ug/l	97
7) Trichlorofluoromethane	1.92	101	150840	50.096	ug/l	98
8) Diethyl Ether	2.19	74	65120	48.115	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	94303	51.561	ug/l	92
10) Methyl Iodide	2.51	142	104949	58.605	ug/l	95
11) Tert butyl alcohol	3.07	59	151875	231.167	ug/l	100
12) 1,1-Dichloroethene	2.37	96	87379	49.028	ug/l	97
13) Acrolein	2.29	56	118008	250.992	ug/l	98
14) Allyl chloride	2.73	41	184688	50.116	ug/l	97
15) Acrylonitrile	3.15	53	353634	244.778	ug/l	99
16) Acetone	2.45	43	349744	282.366	ug/l	94
17) Carbon Disulfide	2.57	76	237073	43.289	ug/l	99
18) Methyl Acetate	2.78	43	168698	48.589	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	318545	51.636	ug/l	98
20) Methylene Chloride	2.85	84	103590	49.655	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	90436	47.956	ug/l	85
22) Diisopropyl ether	3.87	45	356014	52.078	ug/l	# 89
23) Vinyl Acetate	3.82	43	1602675	269.161	ug/l	100
24) 1,1-Dichloroethane	3.70	63	186203	48.170	ug/l	100
25) 2-Butanone	4.70	43	497499	243.783	ug/l	96
26) 2,2-Dichloropropane	4.57	77	147476	51.037	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	103756	48.963	ug/l	97
28) Bromochloromethane	5.01	49	89295	47.350	ug/l	93
29) Tetrahydrofuran	5.15	42	302184	242.602	ug/l	94
30) Chloroform	5.21	83	178980	47.358	ug/l	100
31) Cyclohexane	5.57	56	172125	53.249	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	141700	46.849	ug/l	97
36) 1,1-Dichloropropene	5.79	75	136952	49.934	ug/l	98
37) Ethyl Acetate	4.85	43	172160	49.202	ug/l	98
38) Carbon Tetrachloride	5.78	117	121116	48.878	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	147756	51.656	ug/l	94
40) Benzene	6.15	78	392728	48.132	ug/l	99
41) Methacrylonitrile	5.06	41	94395	49.928	ug/l	97
42) 1,2-Dichloroethane	6.20	62	143630	47.623	ug/l	100
43) Isopropyl Acetate	6.46	43	247998	48.832	ug/l	96
44) Trichloroethene	7.21	130	94139	49.885	ug/l	95
45) 1,2-Dichloropropane	7.51	63	106092	50.738	ug/l	98
46) Dibromomethane	7.66	93	62952	47.109	ug/l	90
47) Bromodichloromethane	7.90	83	124926	49.840	ug/l	98
48) Methyl methacrylate	7.77	41	125751	51.159	ug/l	97
49) 1,4-Dioxane	7.75	88	51806	946.497	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	873825	252.338	ug/l	96
52) Toluene	8.79	92	228695	51.819	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	142711	52.536	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	161203	55.390	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	97434	50.836	ug/l	96
56) Ethyl methacrylate	9.18	69	155485	47.899	ug/l	96
57) 1,3-Dichloropropane	9.37	76	175621	53.342	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	505010	272.331	ug/l	96
59) 2-Hexanone	9.49	43	720561	255.688	ug/l	96
60) Dibromochloromethane	9.59	129	95184	51.393	ug/l	99
61) 1,2-Dibromoethane	9.67	107	99550	50.972	ug/l	99
64) Tetrachloroethene	9.34	164	88986	53.958	ug/l	98
65) Chlorobenzene	10.14	112	256111	53.392	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86741	52.823	ug/l	97
67) Ethyl Benzene	10.25	91	442134	54.007	ug/l	98
68) m/p-Xylenes	10.36	106	337606	110.981	ug/l	96
69) o-Xylene	10.70	106	158834	54.592	ug/l	97
70) Styrene	10.71	104	274451	56.794	ug/l	98
71) Bromoform	10.86	173	72072	54.169	ug/l	99
73) Isopropylbenzene	11.02	105	444623	54.666	ug/l	99
74) N-amyl acetate	10.90	43	226685	52.348	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	165600	49.076	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	157229m	51.206	ug/l	
77) Bromobenzene	11.26	156	105938	52.506	ug/l	88
78) n-propylbenzene	11.36	91	544339	55.014	ug/l	96
79) 2-Chlorotoluene	11.42	91	314917	53.289	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	380862	55.149	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51519	54.210	ug/l	97
82) 4-Chlorotoluene	11.51	91	376803	53.408	ug/l	96
83) tert-Butylbenzene	11.77	119	364766	55.357	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	391470	56.135	ug/l	97
85) sec-Butylbenzene	11.94	105	464885	54.999	ug/l	98
86) p-Isopropyltoluene	12.07	119	406796	56.587	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	206405	52.907	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	210953	50.334	ug/l	98
89) n-Butylbenzene	12.39	91	403996	55.700	ug/l	98
90) Hexachloroethane	12.60	117	66271	51.960	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	206159	50.582	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38829	49.061	ug/l	90

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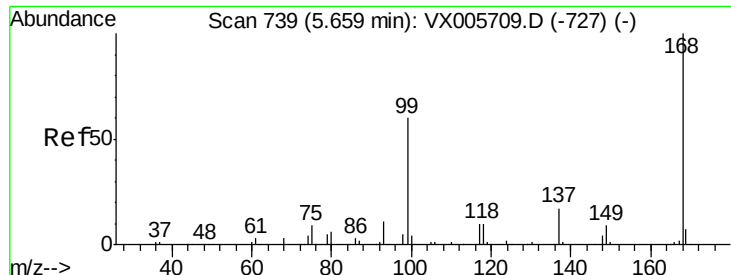
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	147400	56.388	ug/l	98
94) Hexachlorobutadiene	13.78	225	71589	56.610	ug/l	98
95) Naphthalene	13.83	128	493534	57.409	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149688	56.248	ug/l	99

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



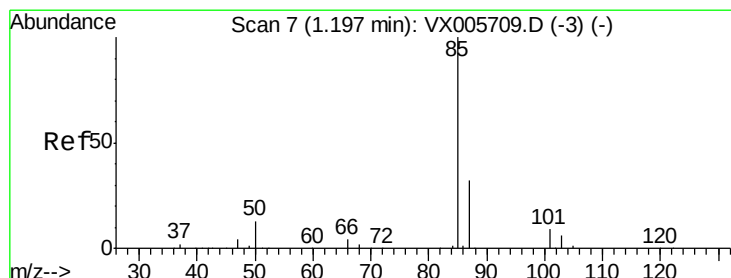
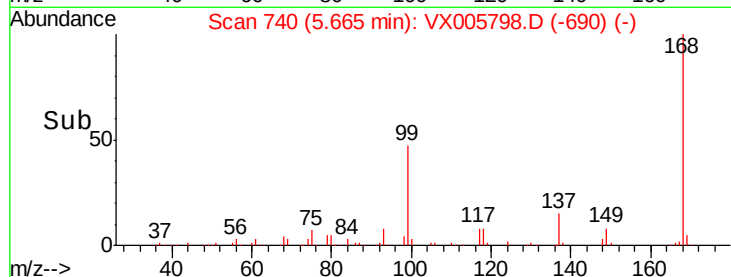
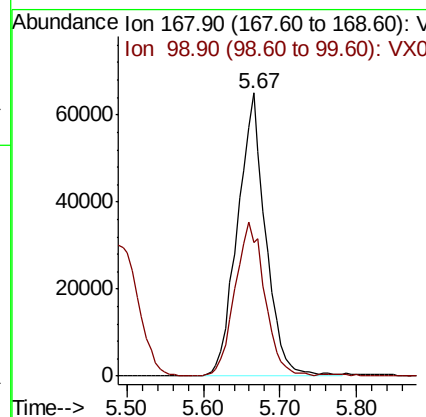
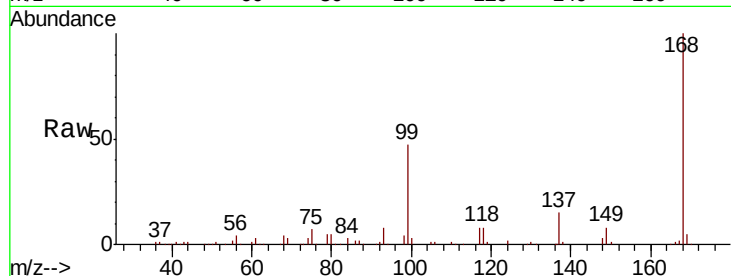
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.9	40.7	61.1

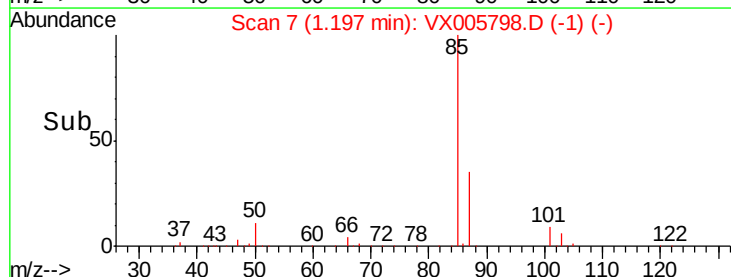
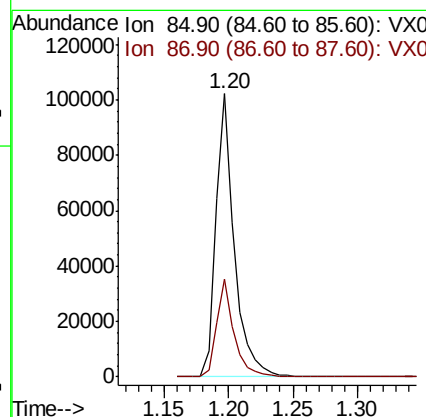
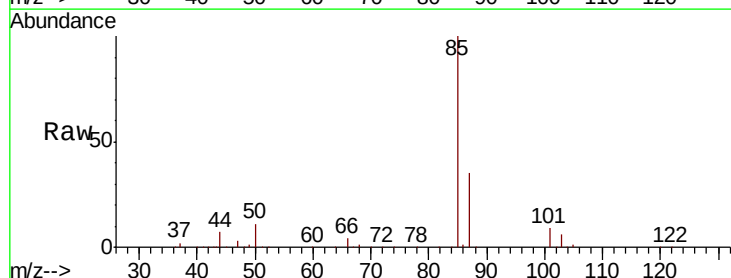
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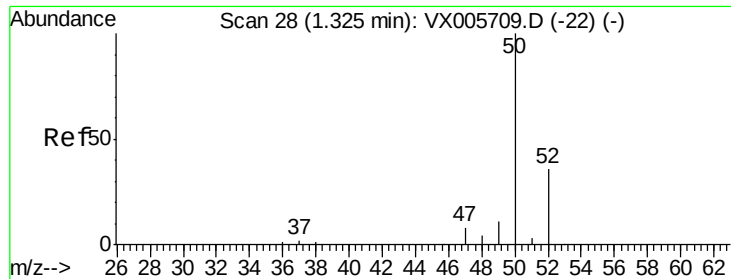
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#2
Dichlorodifluoromethane
Concen: 53.694 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.7	16.3	48.9





#3

Chloromethane

Concen: 49.248 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 111040

Ion Ratio Lower Upper

50 100

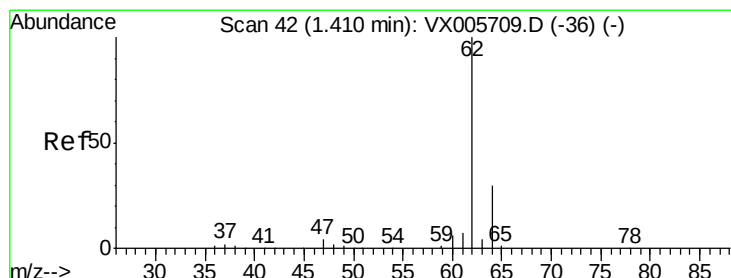
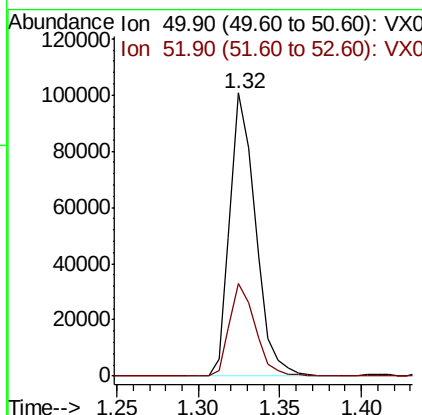
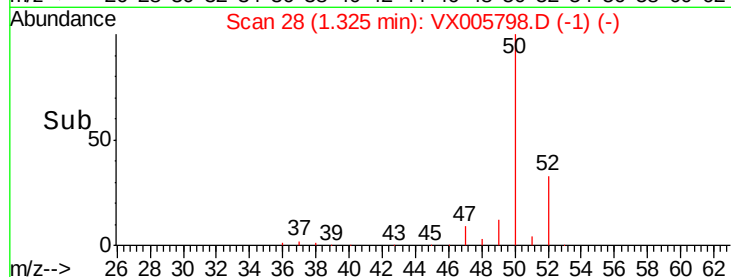
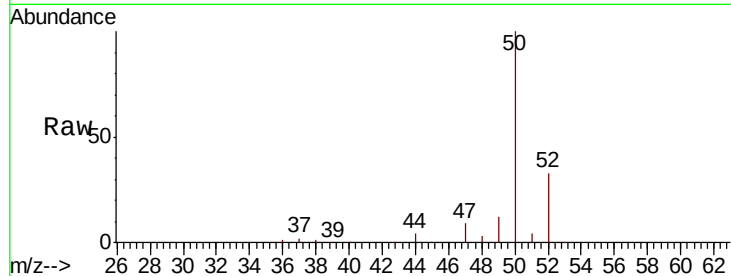
52 32.6 26.2 39.2

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#4

Vinyl Chloride

Concen: 49.445 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX005798.D

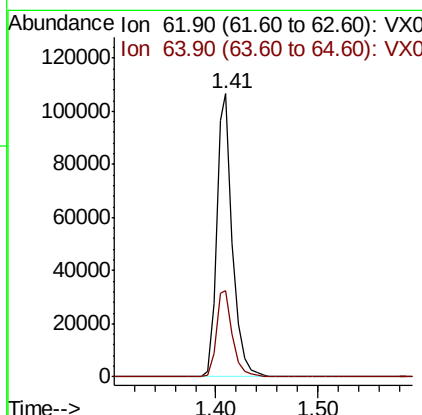
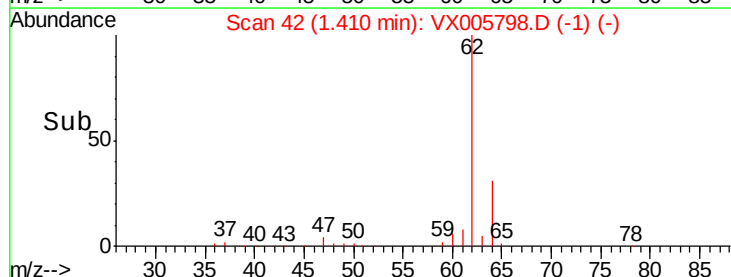
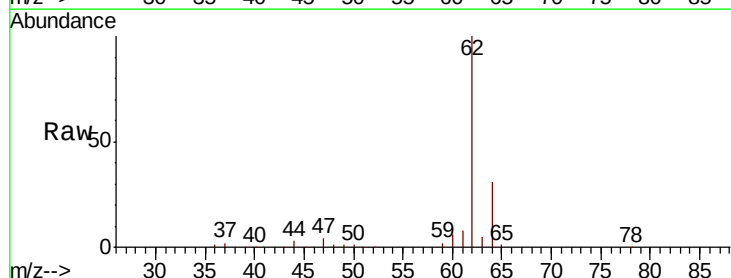
Acq: 06 Nov 2018 10:15

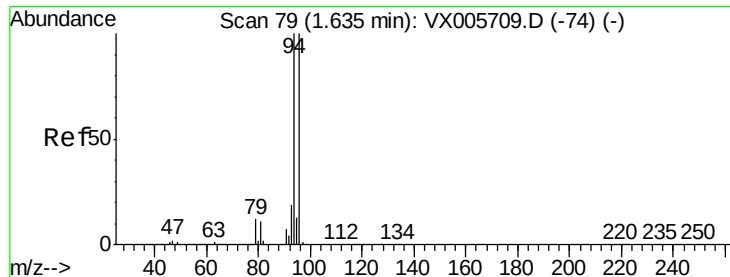
Tgt Ion: 62 Resp: 115988

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9





#5

Bromomethane

Concen: 38.199 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 111191

Ion Ratio Lower Upper

94 100

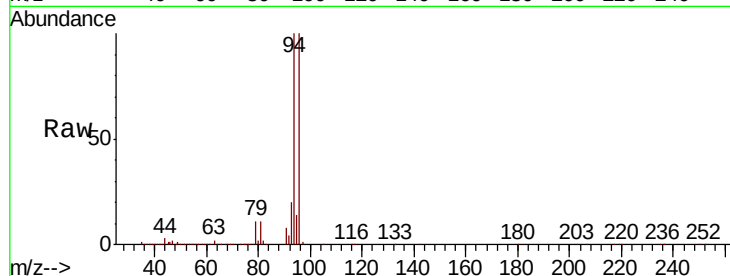
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Manual Integrations

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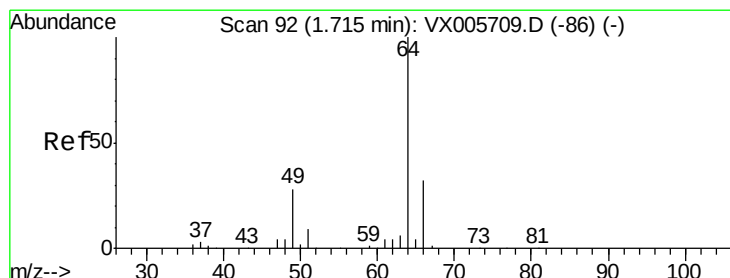
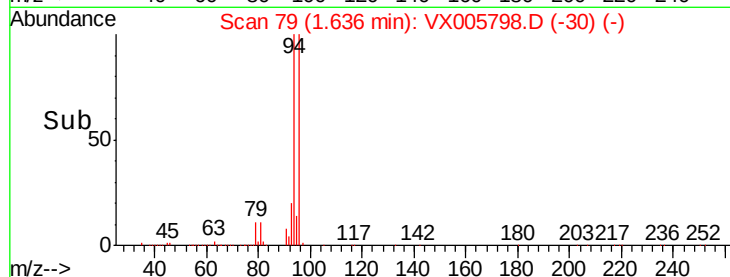
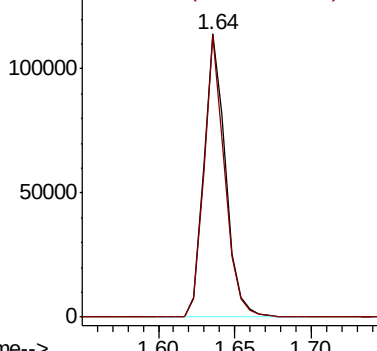
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.103 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005798.D

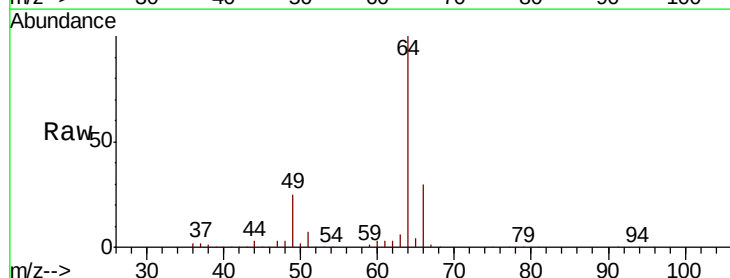
Acq: 06 Nov 2018 10:15

Tgt Ion: 64 Resp: 74549

Ion Ratio Lower Upper

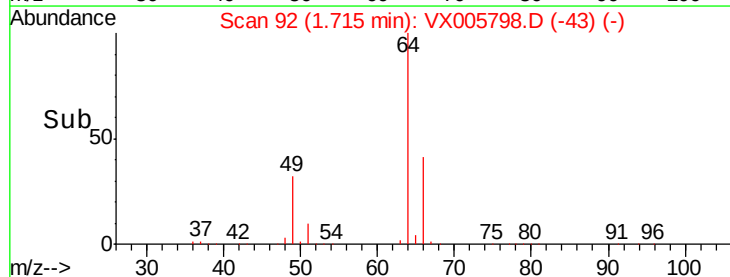
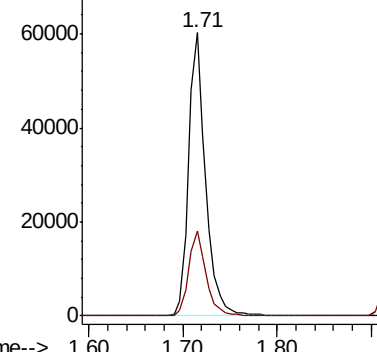
64 100

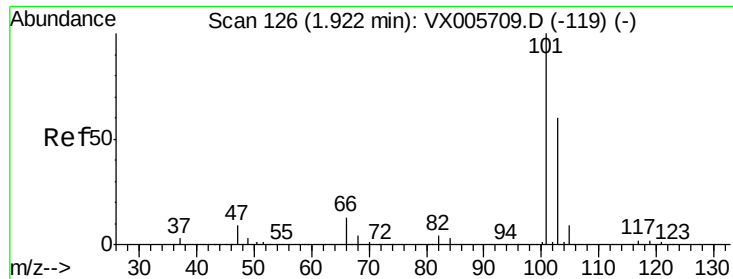
66 30.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

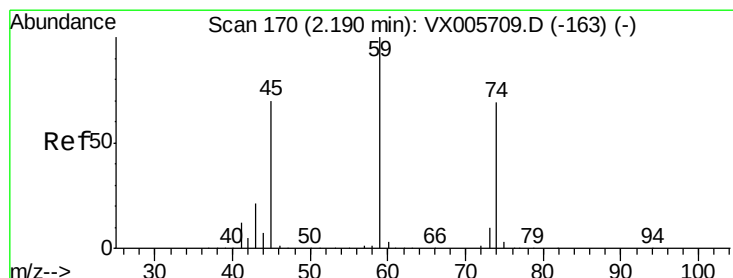
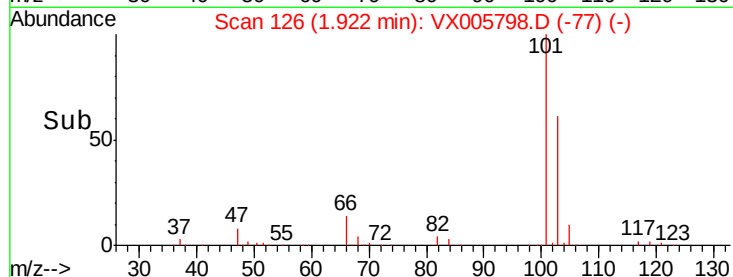
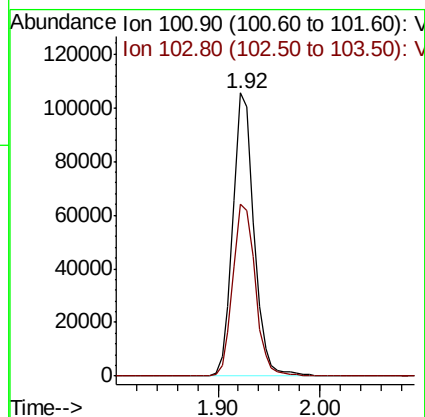
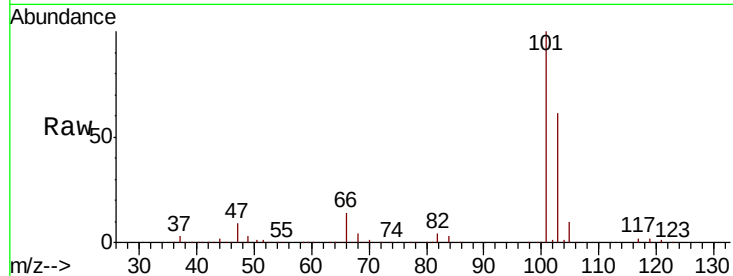
Trichlorofluoromethane
Concen: 50.096 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 150840
Ion Ratio Lower Upper
101 100
103 60.6 50.0 75.0

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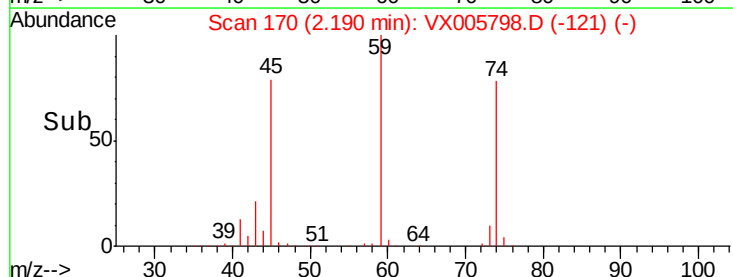
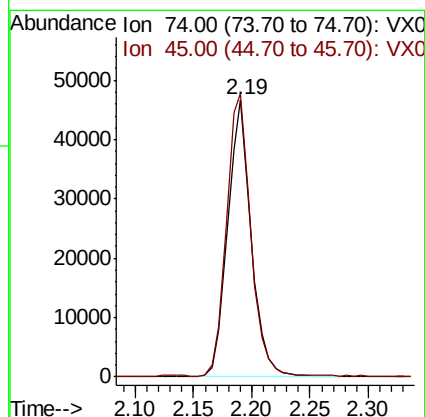
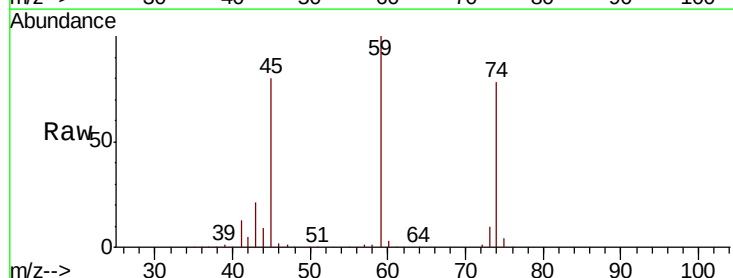
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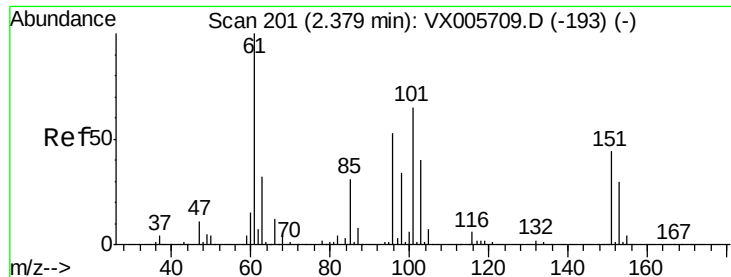


#8

Diethyl Ether
Concen: 48.115 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion: 74 Resp: 65120
Ion Ratio Lower Upper
74 100
45 105.2 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.561 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

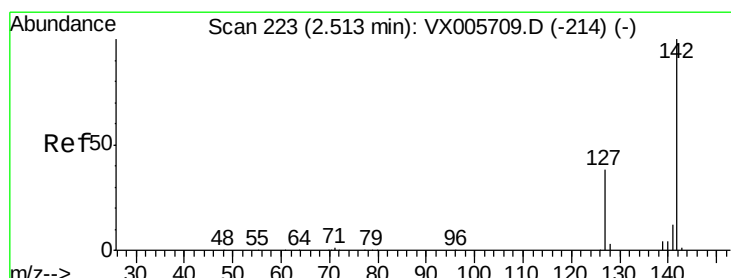
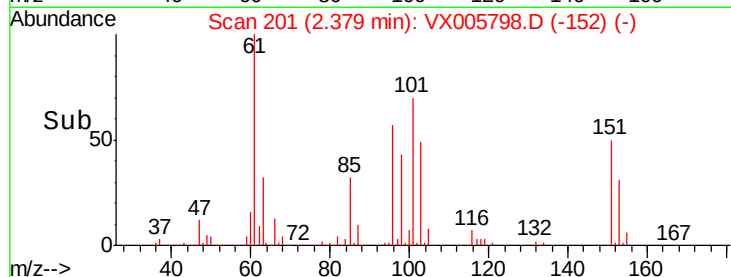
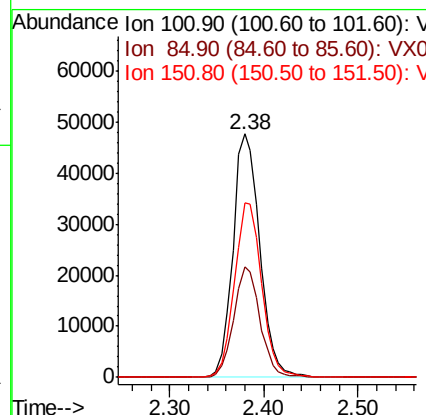
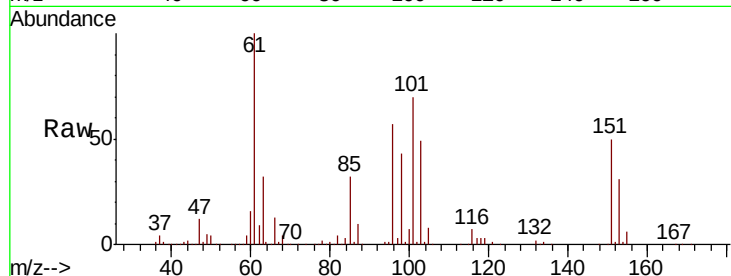
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	94303
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.0	52.4
151	72.8	66.2	99.2

Manual Integrations
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#10

Methyl Iodide

Concen: 58.605 ug/l

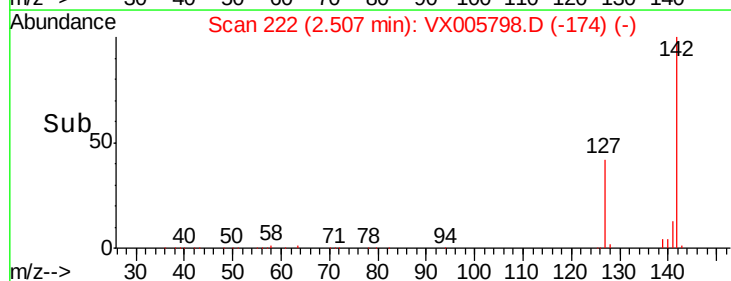
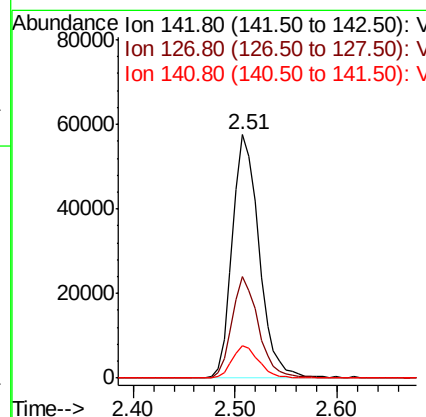
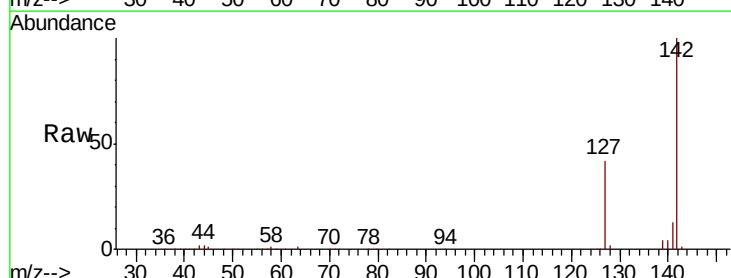
RT: 2.51 min Scan# 222

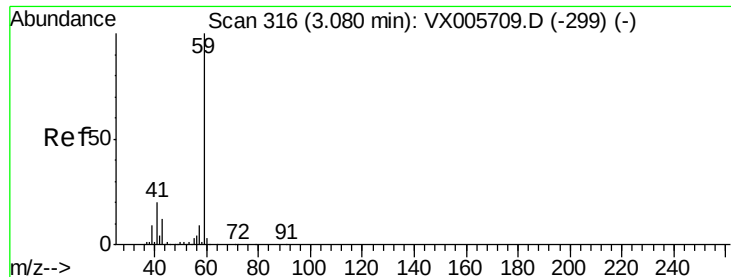
Delta R.T. -0.01 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Tgt Ion:	142	Resp:	104949
Ion Ratio	Lower	Upper	
142	100		
127	41.2	36.0	54.0
141	13.2	11.7	17.5





#11

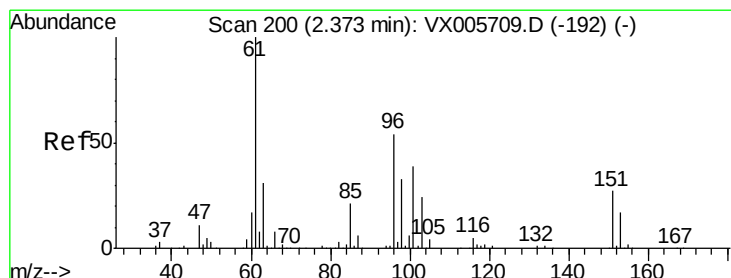
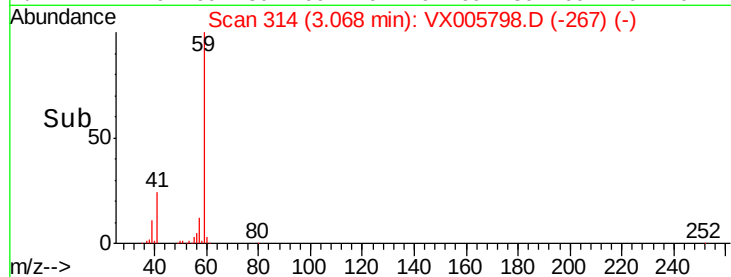
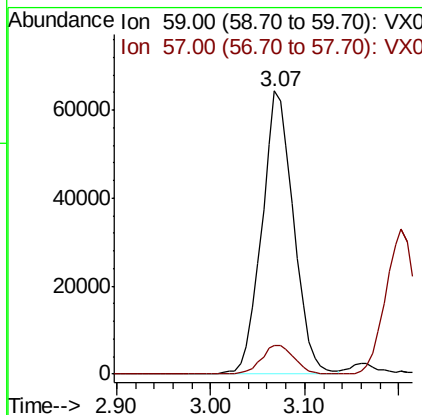
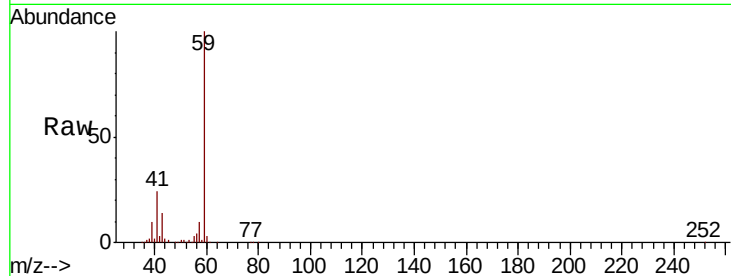
Tert butyl alcohol
Concen: 231.167 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

Manual Integrations
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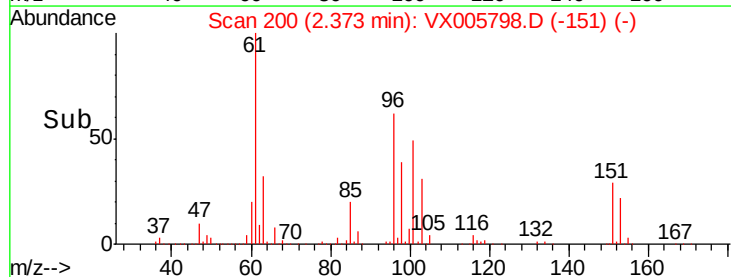
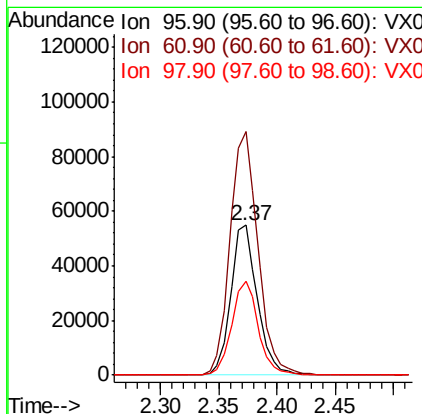
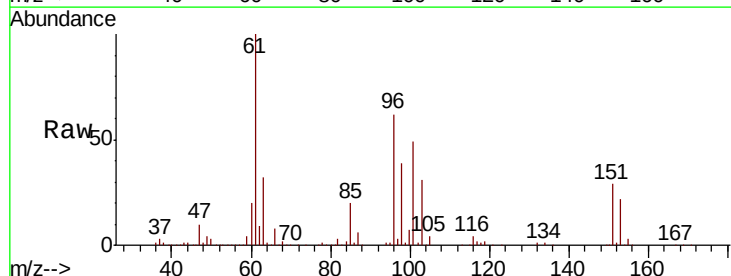
MMDadoda
11/7/2018 11:02:29 AM

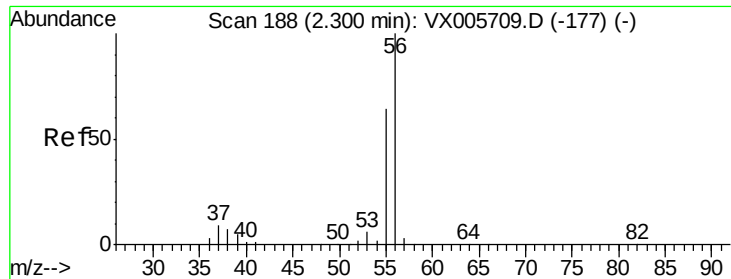


#12

1,1-Dichloroethene
Concen: 49.028 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.3	131.8	197.8
98	62.6	53.4	80.2





#13

Acrolein

Concen: 250.992 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 118008

Ion Ratio Lower Upper

56 100

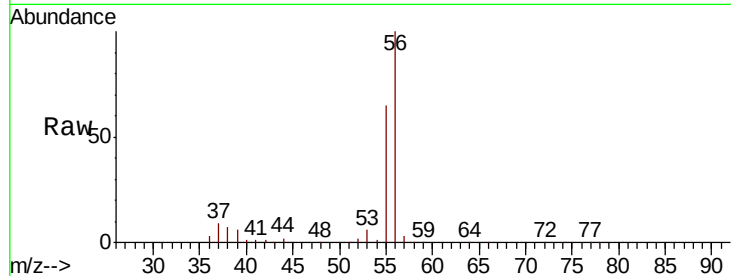
55 70.1 57.3 85.9

Manual Integrations

APPROVED

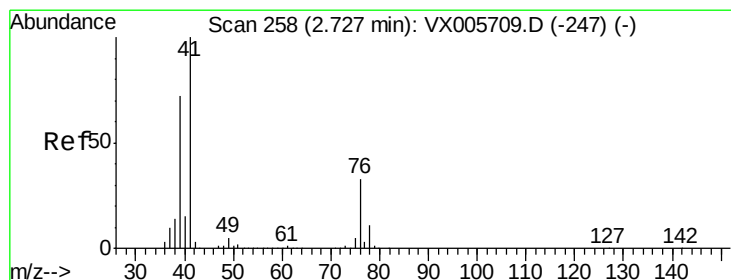
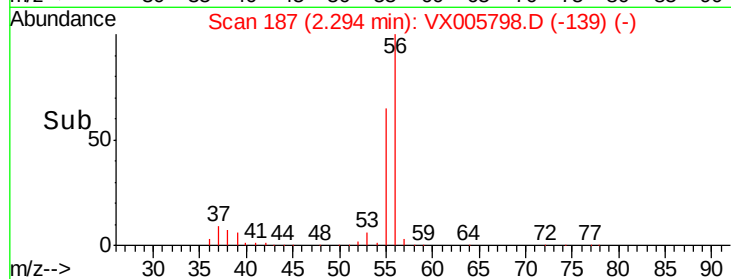
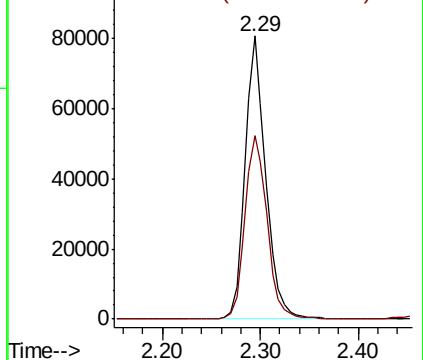
MMDadoda

11/7/2018 11:02:29 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 50.116 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

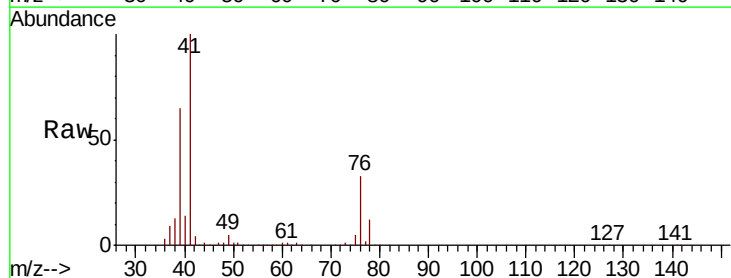
Tgt Ion: 41 Resp: 184688

Ion Ratio Lower Upper

41 100

39 59.3 48.2 72.4

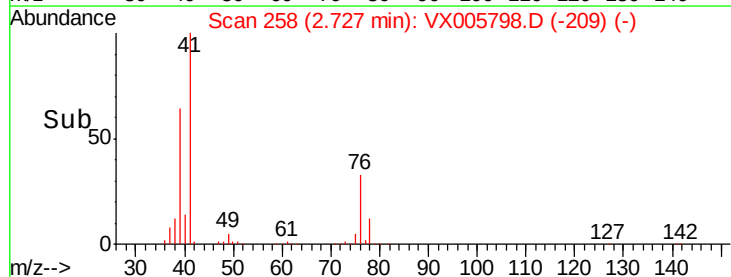
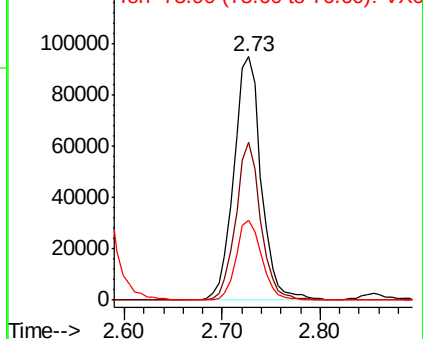
76 31.1 21.9 32.9

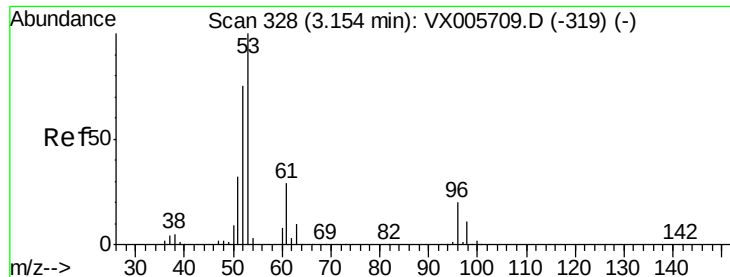


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 244.778 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

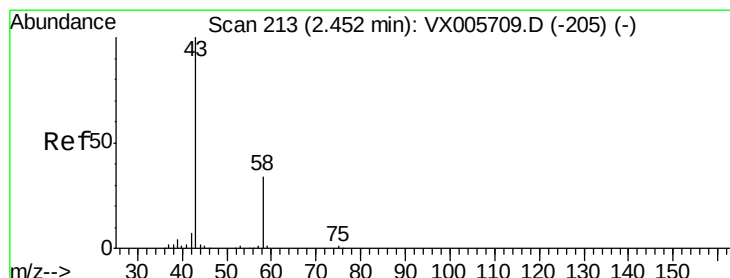
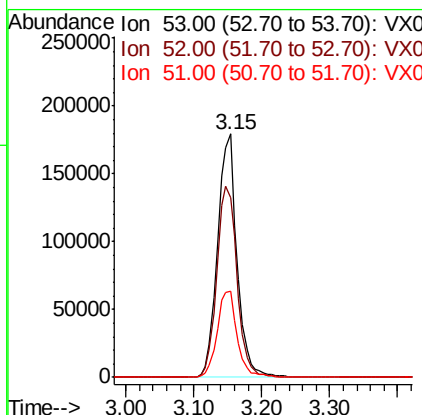
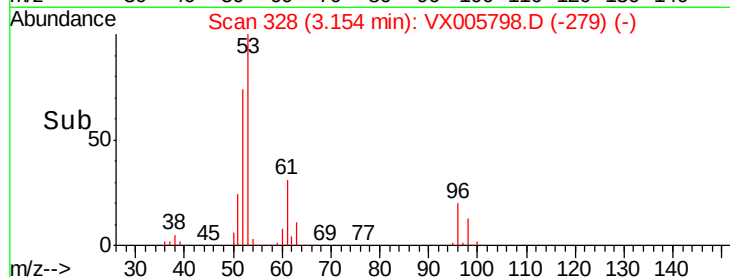
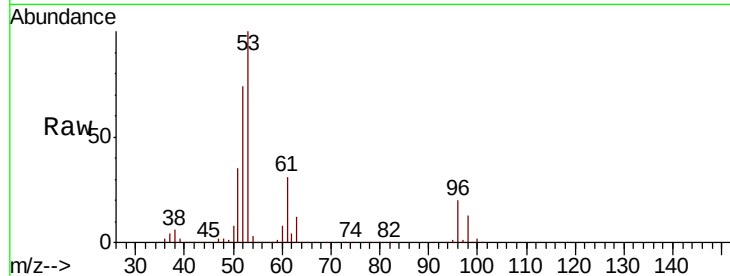
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	353634
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.6	99.8
51	36.5	28.4	42.6

Manual Integrations
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11/7/2018 11:02:29 AM



#16

Acetone

Concen: 282.366 ug/l

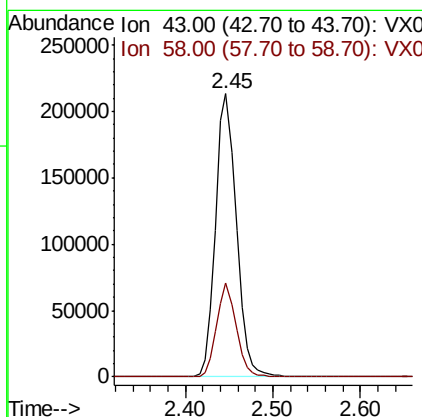
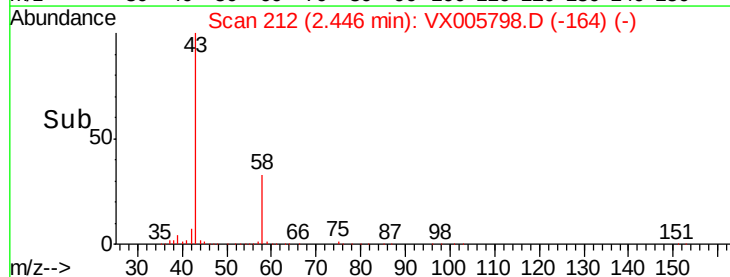
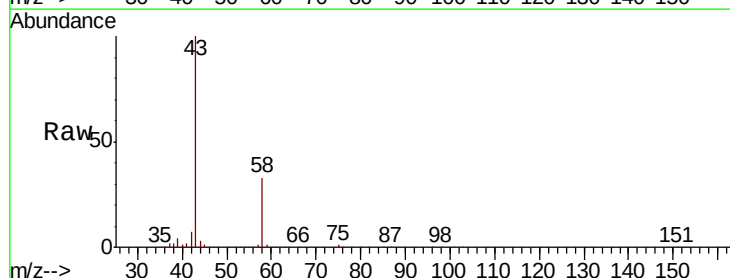
RT: 2.45 min Scan# 212

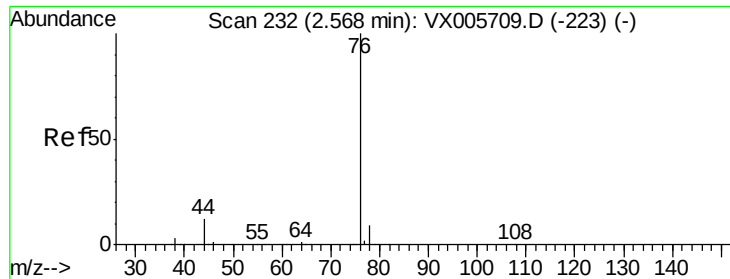
Delta R.T. -0.01 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Tgt Ion:	43	Resp:	349744
Ion	Ratio	Lower	Upper
43	100		
58	33.2	23.8	35.6





#17

Carbon Disulfide

Concen: 43.289 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 237073

Ion Ratio Lower Upper

76 100

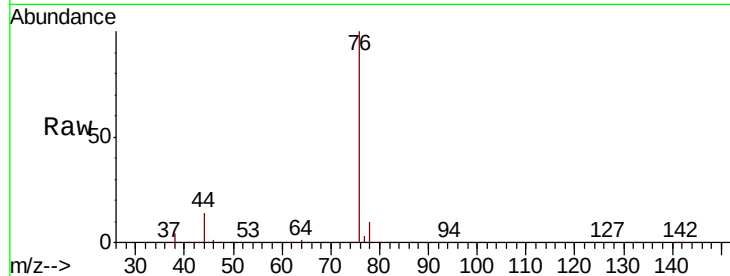
78 9.6 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

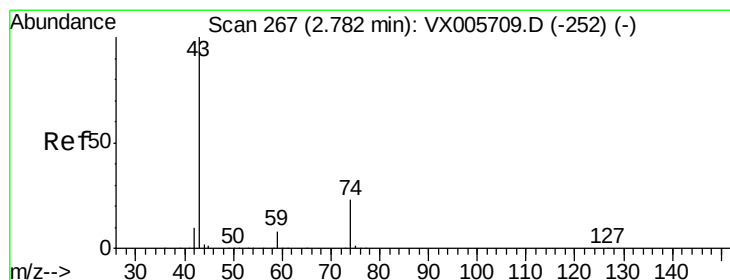
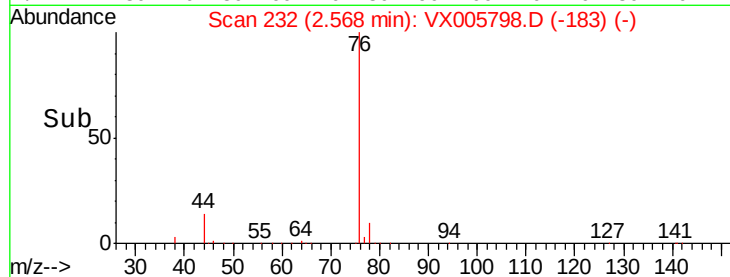
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 48.589 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005798.D

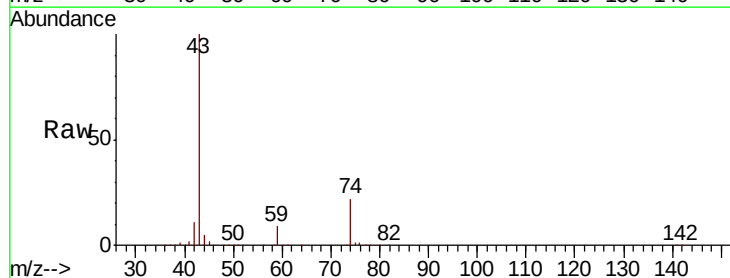
Acq: 06 Nov 2018 10:15

Tgt Ion: 43 Resp: 168698

Ion Ratio Lower Upper

43 100

74 22.8 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

60000

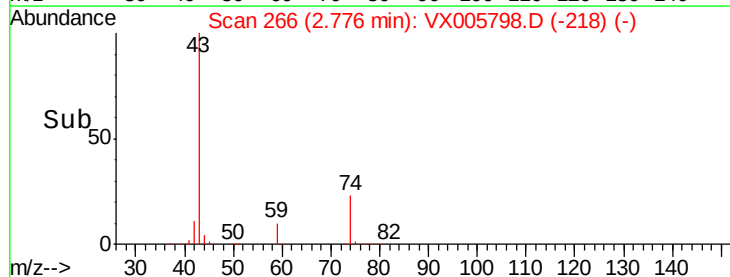
40000

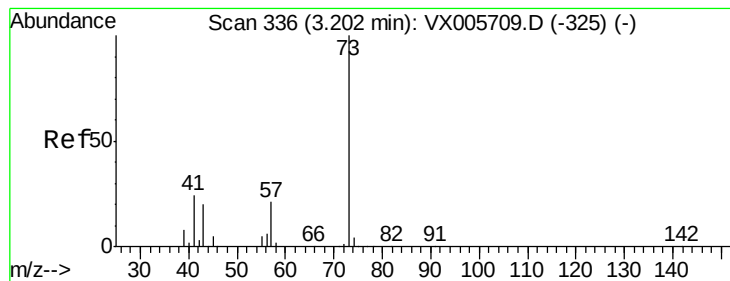
20000

0

2.70 2.80

Time-->





#19

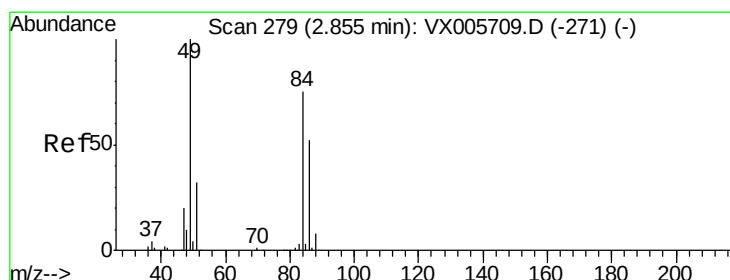
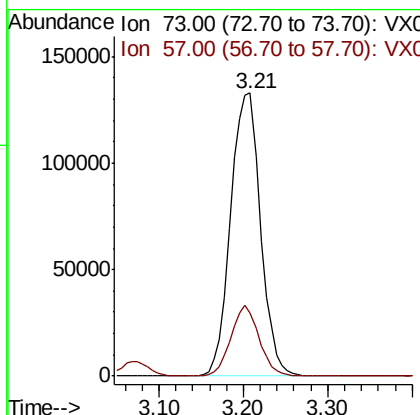
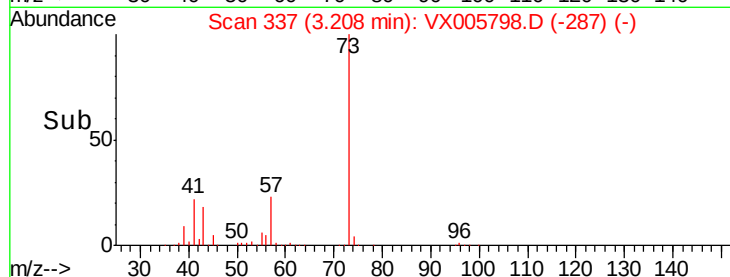
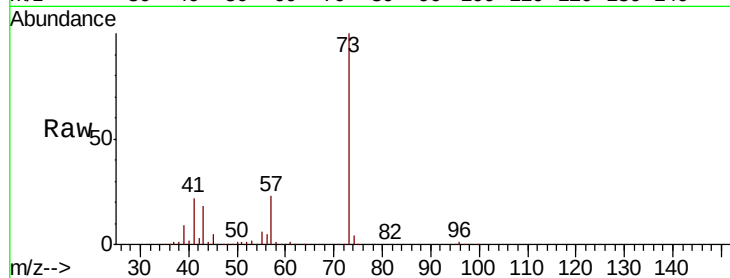
Methyl tert-butyl Ether
 Concen: 51.636 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.8	28.2

Manual Integrations
 APPROVED

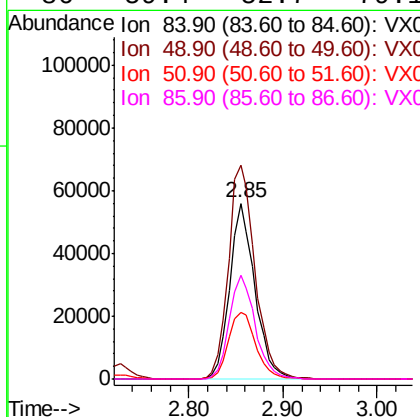
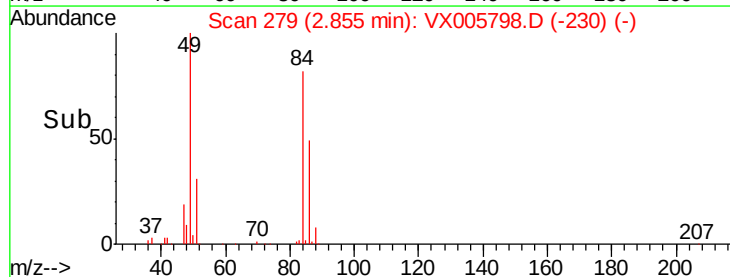
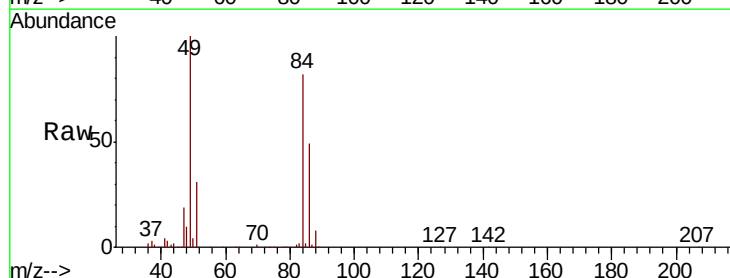
MMDadoda
 11/7/2018 11:02:29 AM

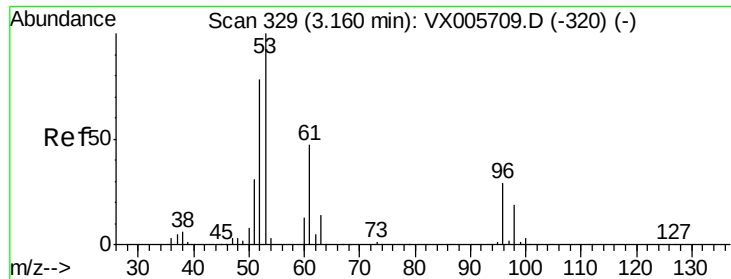


#20

Methylene Chloride
 Concen: 49.655 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.7	109.5	164.3
51	37.8	33.3	49.9
86	59.4	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 47.956 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

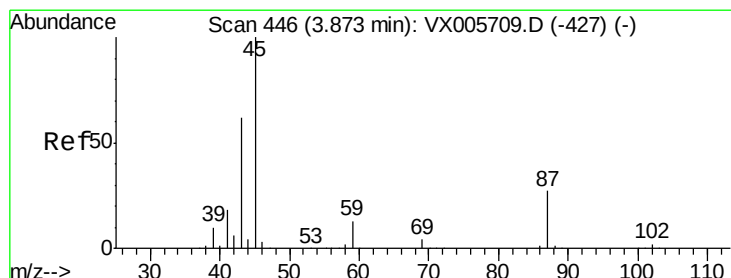
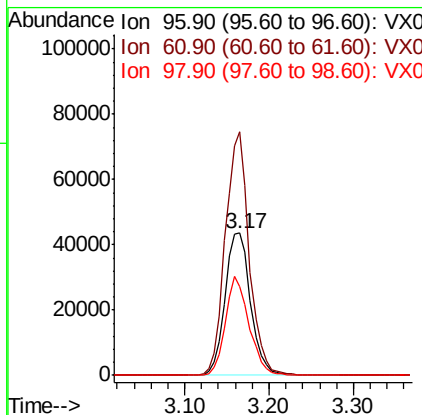
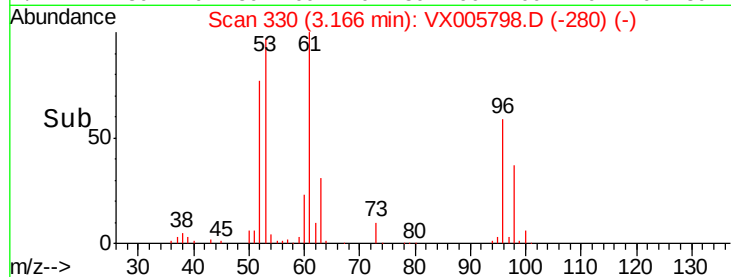
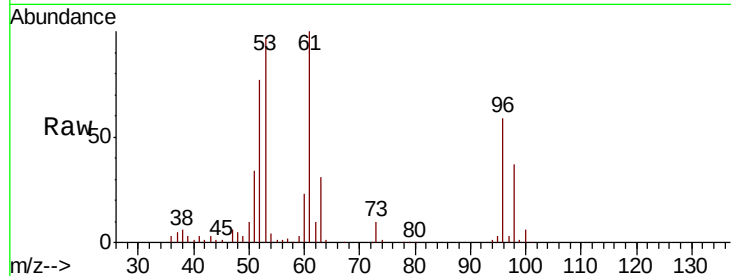
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	90436
Ion Ratio	Lower	Upper	
96	100		
61	170.8	115.6	173.4
98	62.4	50.2	75.2

Manual Integrations
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11/7/2018 11:02:29 AM



#22

Diisopropyl ether

Concen: 52.078 ug/l

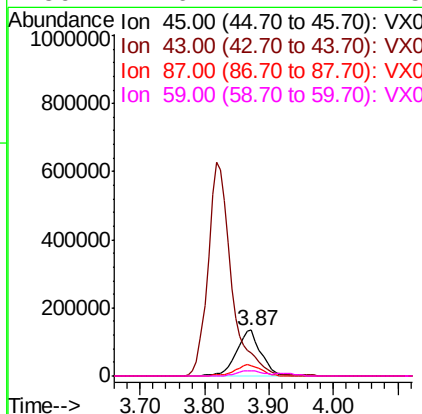
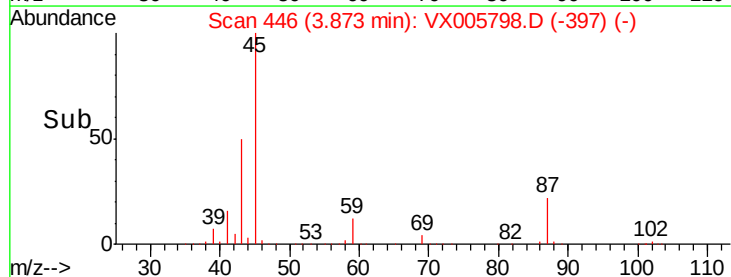
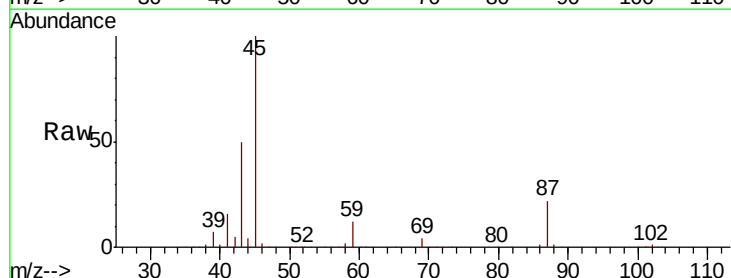
RT: 3.87 min Scan# 446

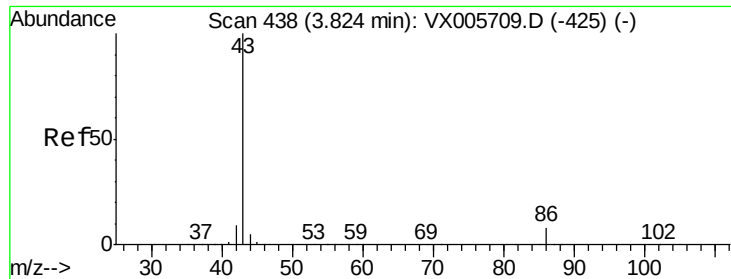
Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Tgt Ion:	45	Resp:	356014
Ion Ratio	Lower	Upper	
45	100		
43	49.2	47.4	71.2
87	22.2	15.9	23.9
59	11.6	7.7	11.5#





#23

Vinyl Acetate

Concen: 269.161 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1602675

Ion Ratio Lower Upper

43 100

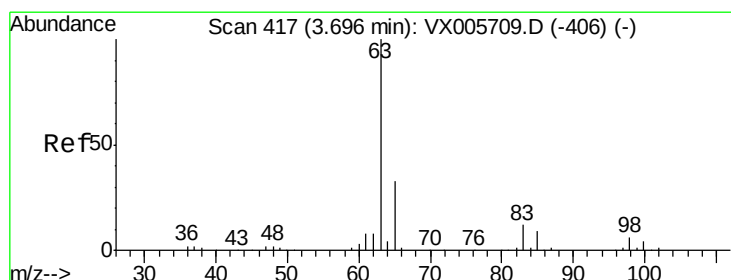
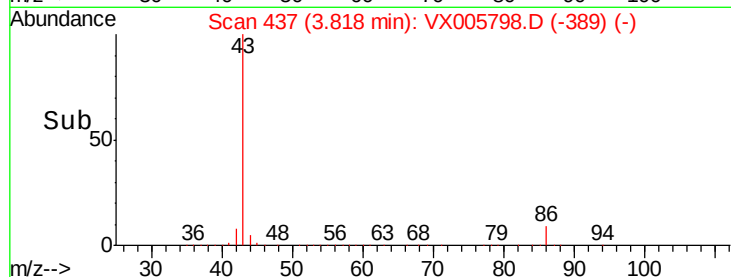
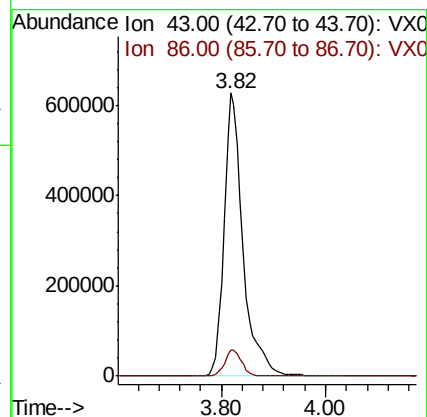
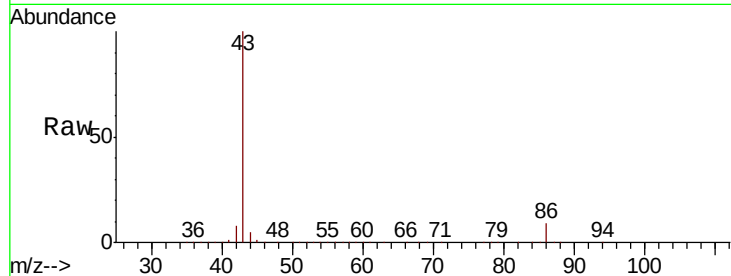
86 9.4 7.4 11.2

Manual Integrations

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11/7/2018 11:02:29 AM



#24

1,1-Dichloroethane

Concen: 48.170 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

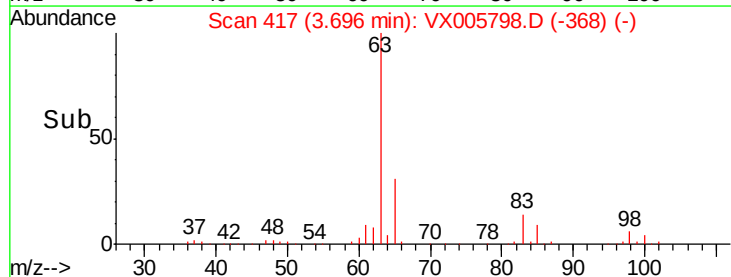
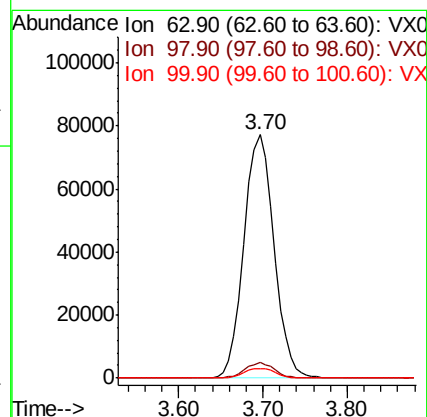
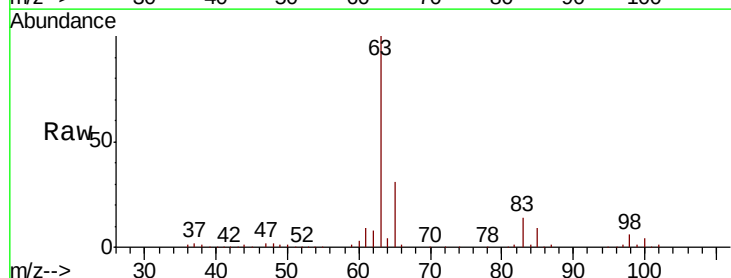
Tgt Ion: 63 Resp: 186203

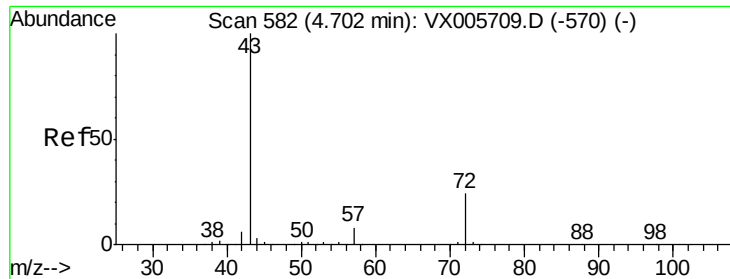
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 243.783 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 497499

Ion Ratio Lower Upper

43 100

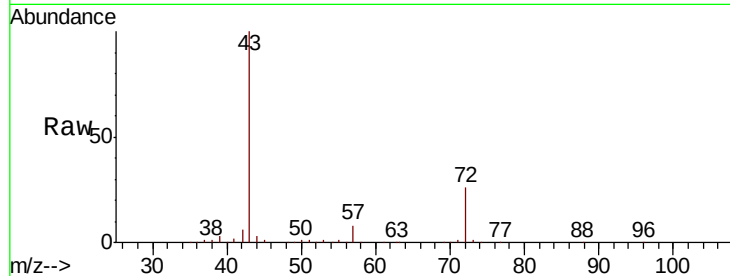
72 25.9 19.2 28.8

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

200000

150000

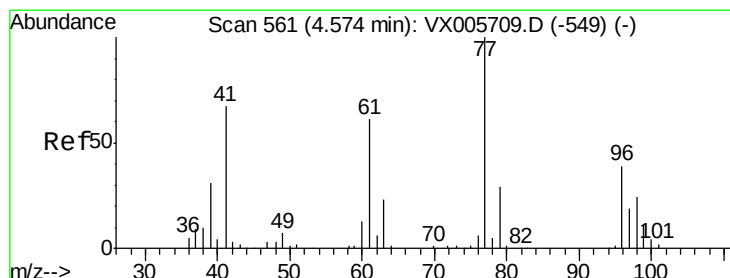
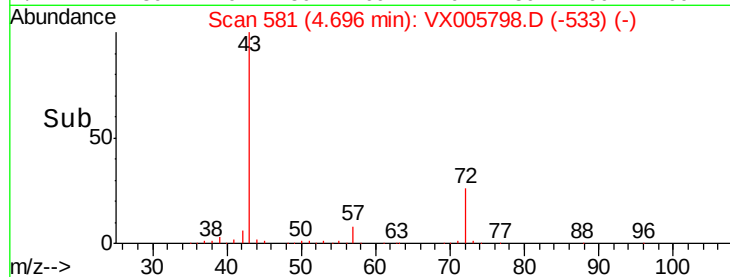
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.037 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX005798.D

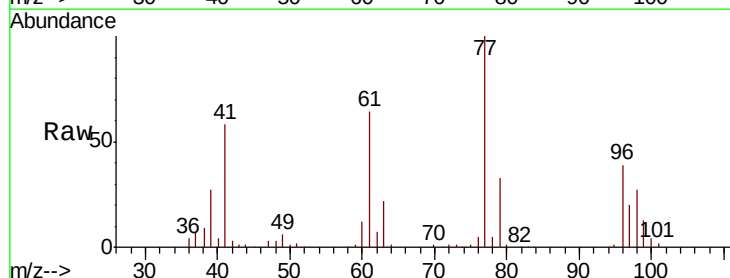
Acq: 06 Nov 2018 10:15

Tgt Ion: 77 Resp: 147476

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

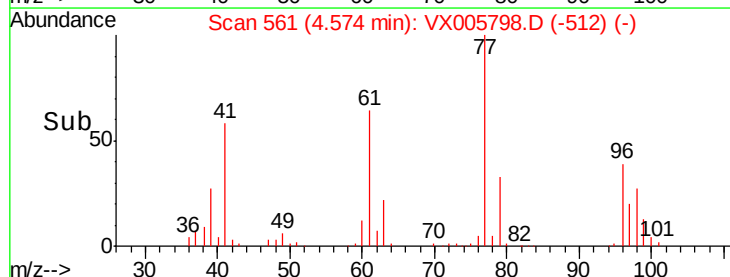
20000

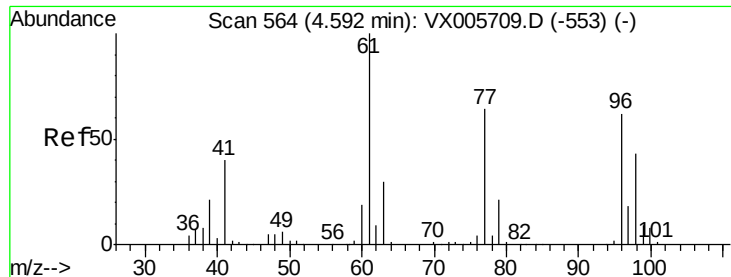
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

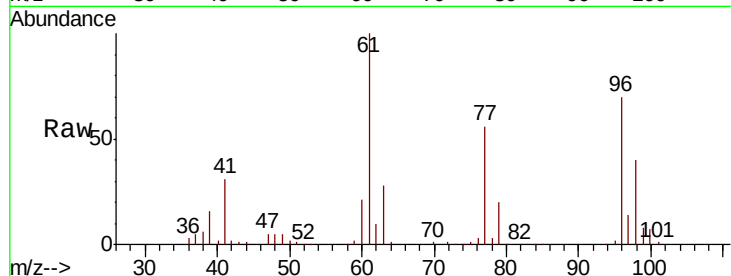
cis-1,2-Dichloroethene
Concen: 48.963 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.1	0.0	304.6	
98	65.6	0.0	127.4	

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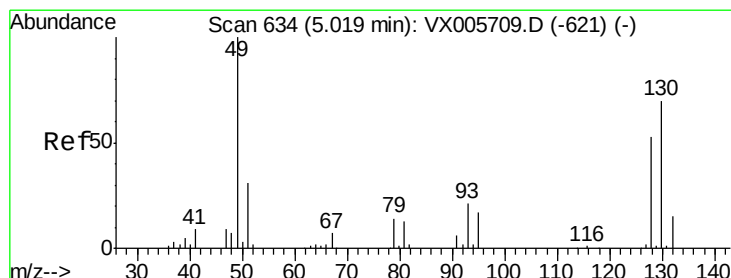
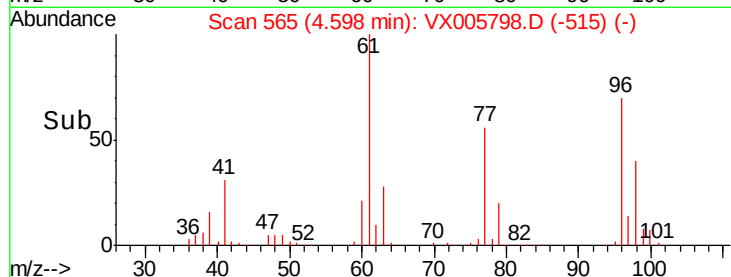
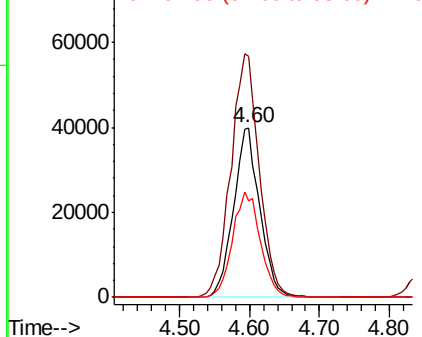


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

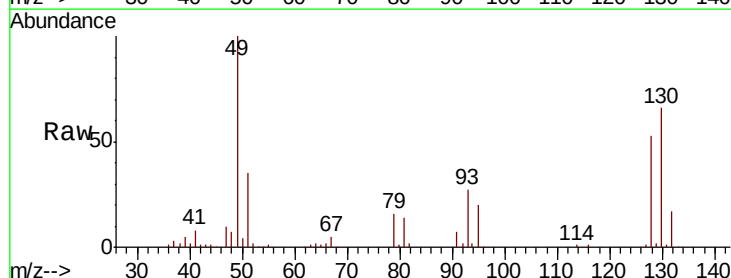
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 47.350 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	67.8	58.9	88.3	

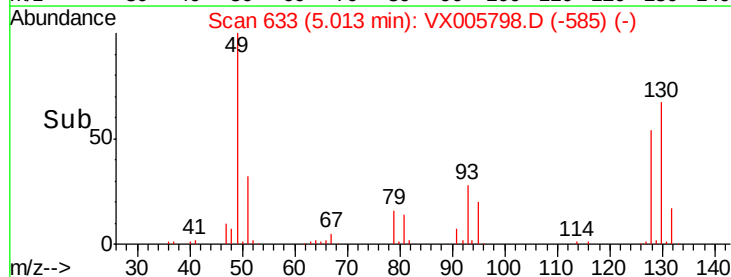
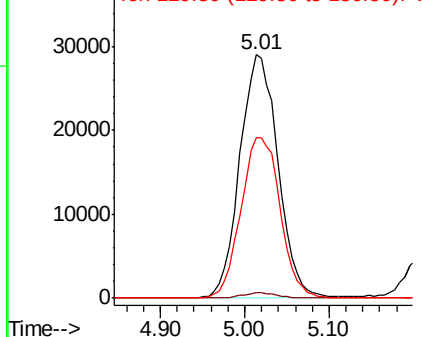


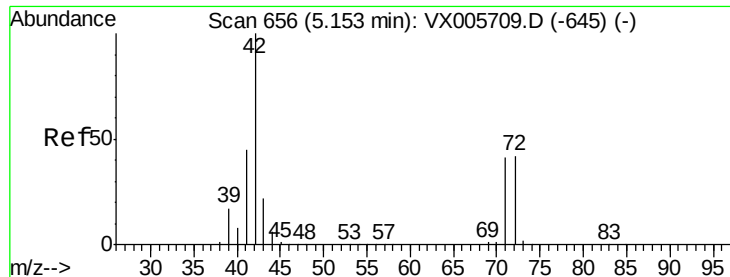
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





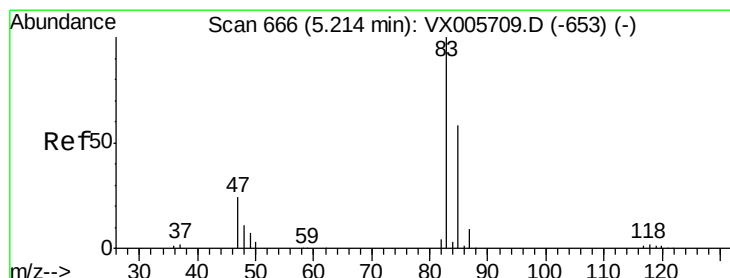
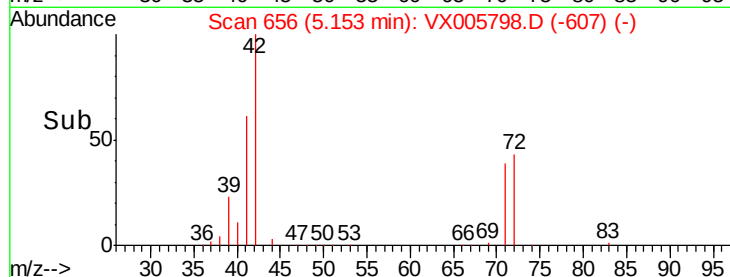
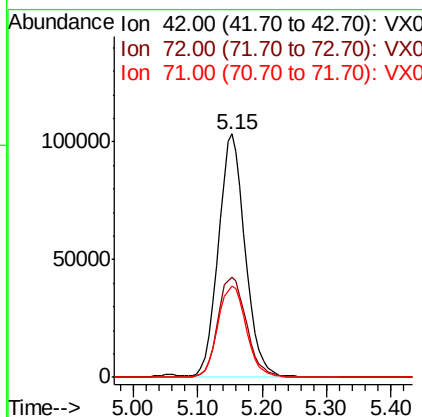
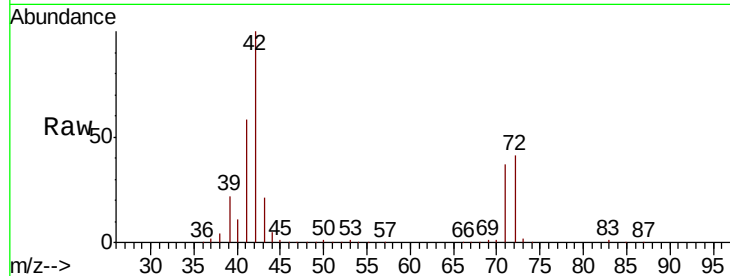
#29
Tetrahydrofuran
Concen: 242.602 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	32.0	48.0
71	40.1	29.8	44.8

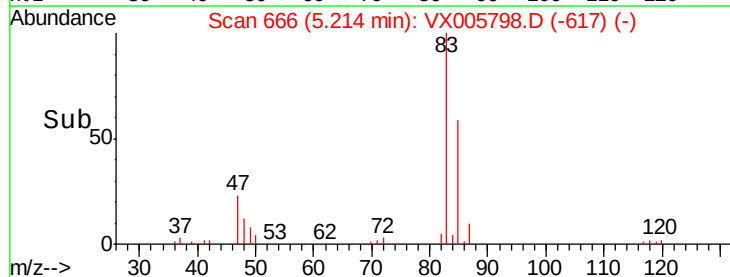
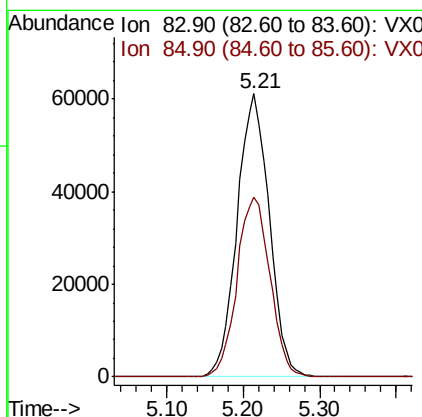
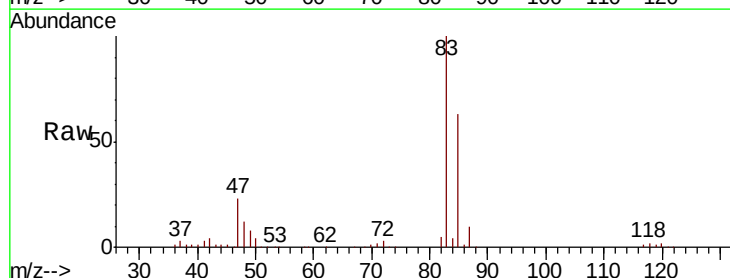
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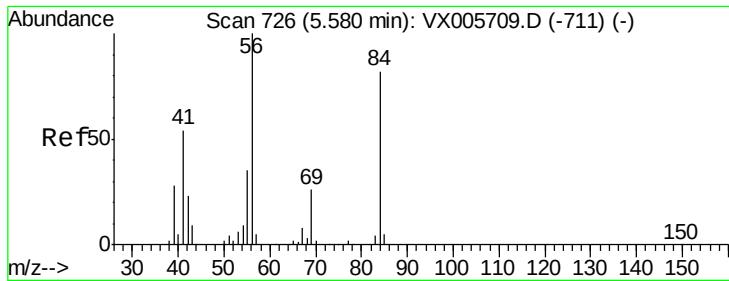
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#30
Chloroform
Concen: 47.358 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	76.0





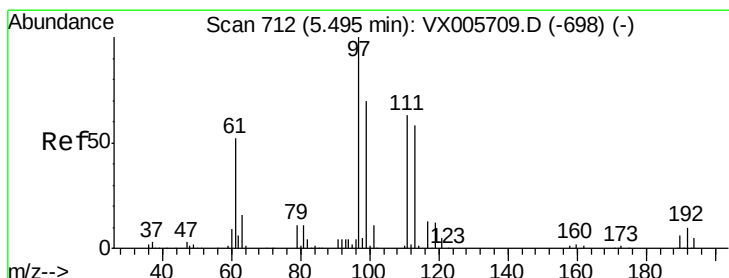
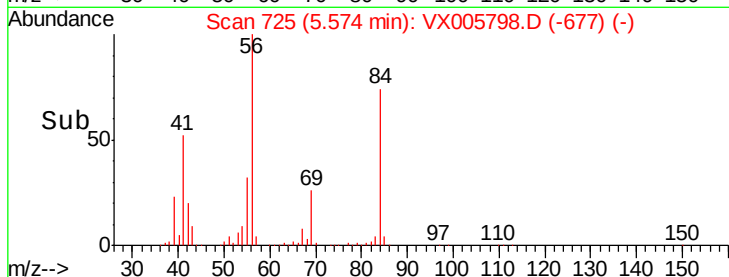
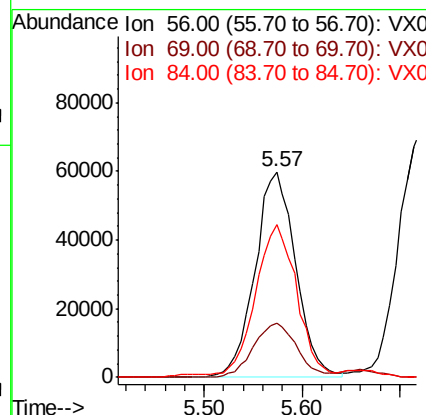
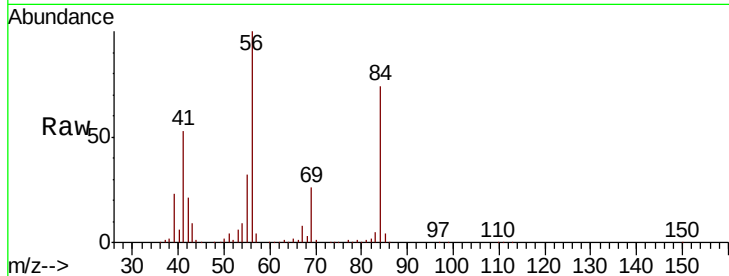
#31
Cyclohexane
Concen: 53.249 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.3	22.6	34.0
84	73.1	62.7	94.1

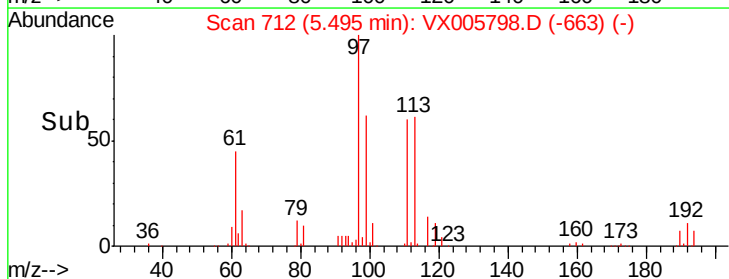
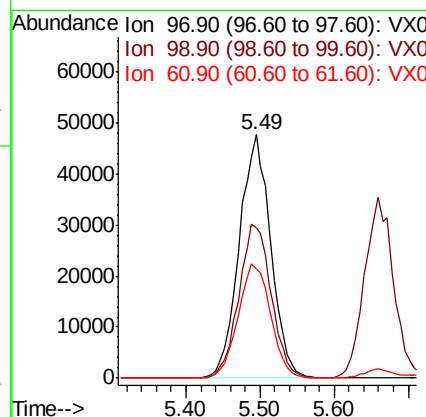
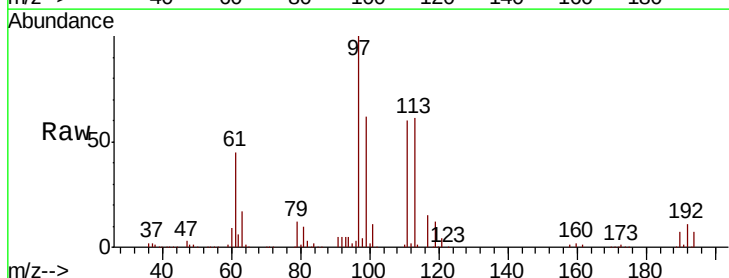
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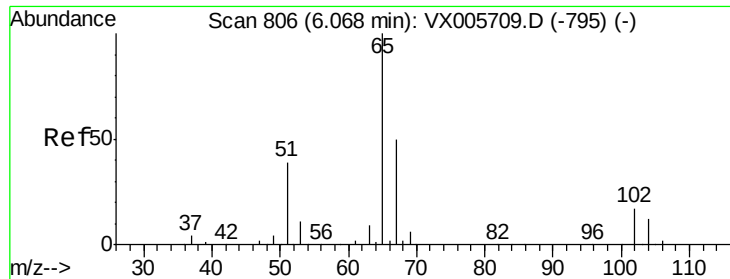
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#32
1,1,1-Trichloroethane
Concen: 46.849 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.3	78.5
61	48.7	35.2	52.8





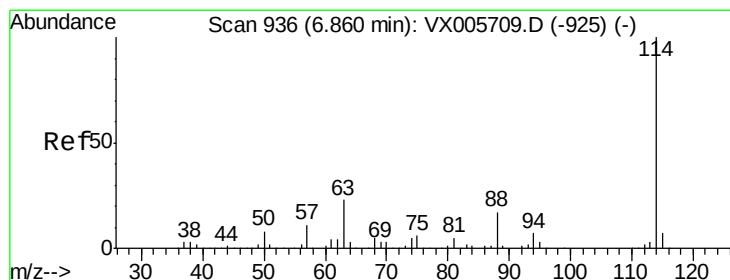
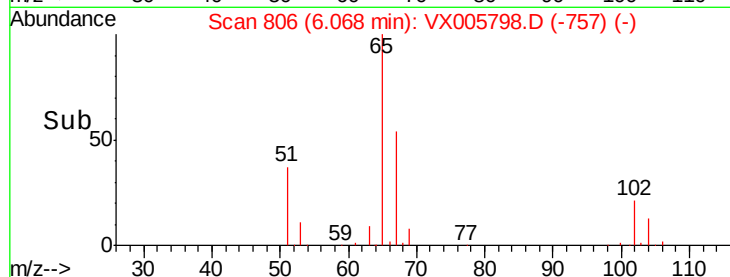
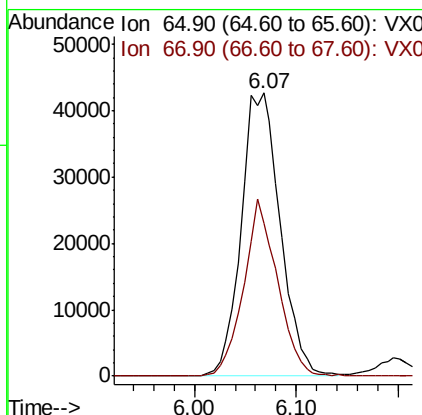
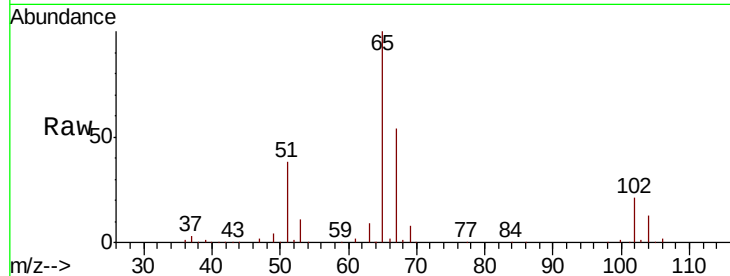
#33
 1,2-Dichloroethane-d4
 Concen: 46.858 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	113360		
67	54.3	0.0	105.0	

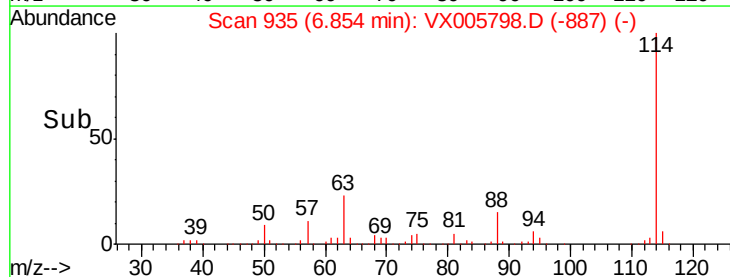
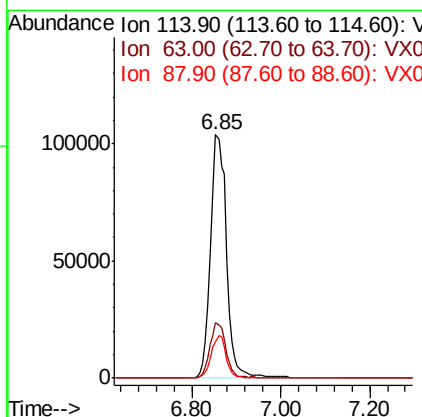
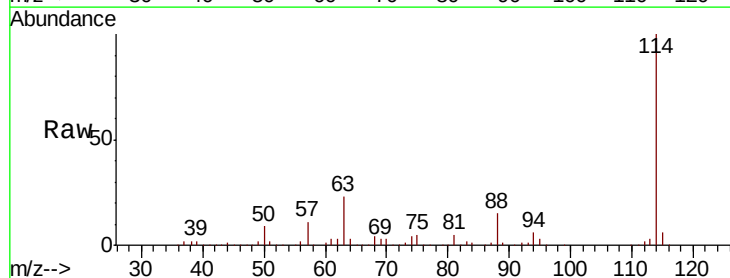
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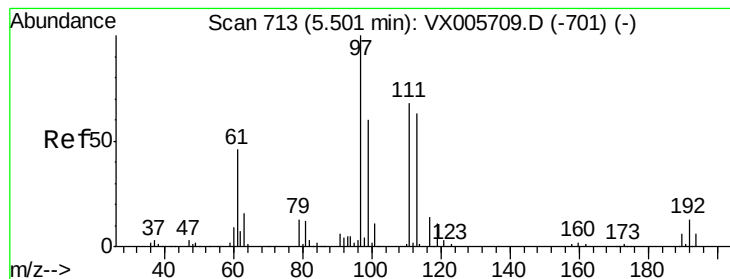
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	257425		
63	22.6	0.0	42.8	
88	15.1	0.0	31.2	





#35

Dibromofluoromethane

Concen: 49.627 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

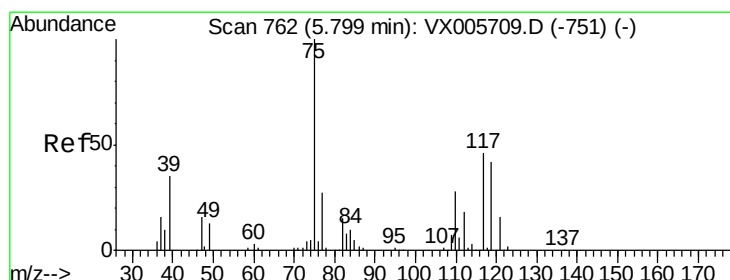
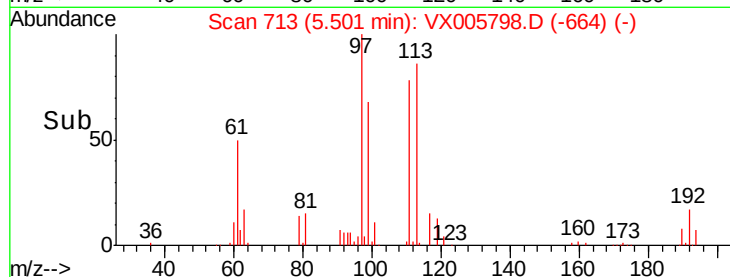
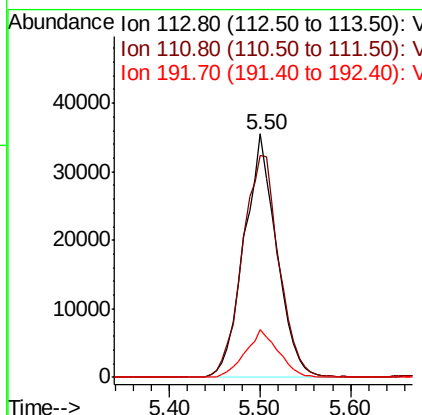
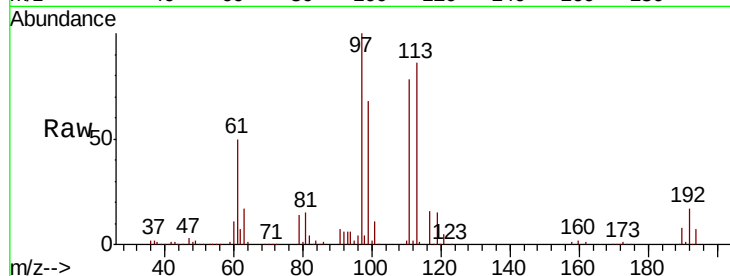
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	88457
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.3	123.5
192	19.8	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 49.934 ug/l

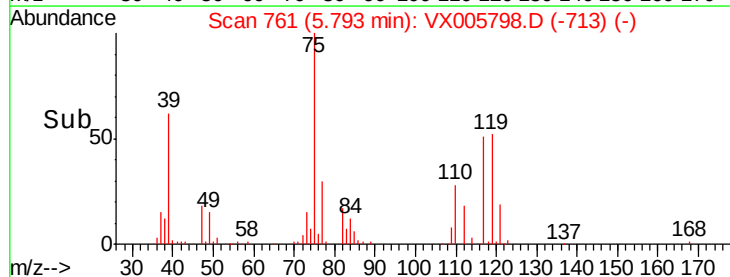
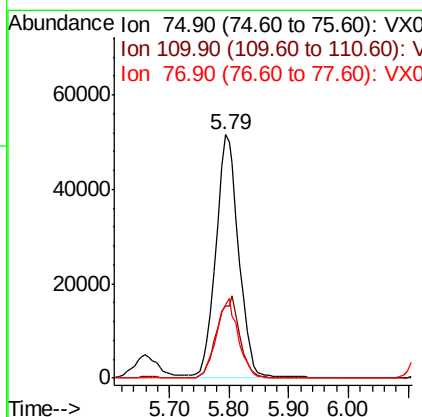
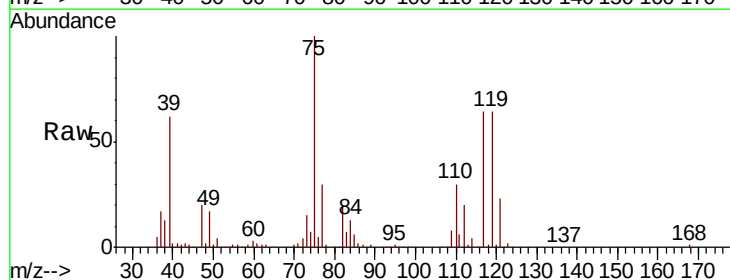
RT: 5.79 min Scan# 761

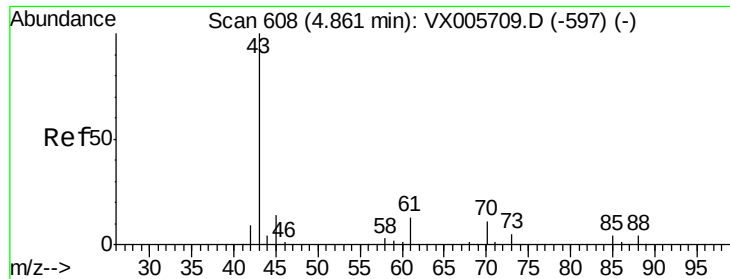
Delta R.T. -0.01 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Tgt Ion:	75	Resp:	136952
Ion Ratio	Lower	Upper	
75	100		
110	33.3	17.4	52.2
77	31.5	25.8	38.6





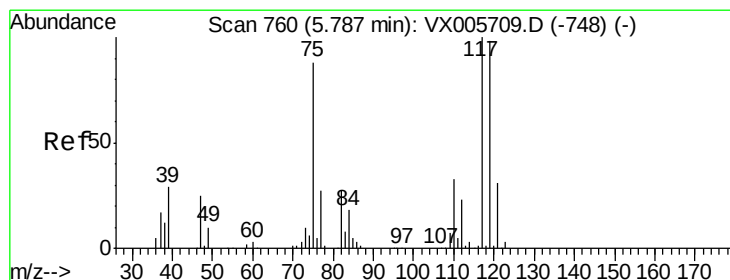
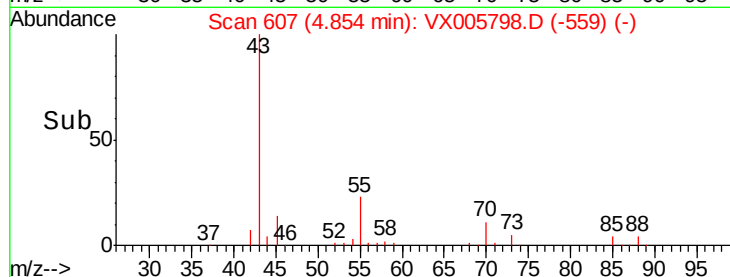
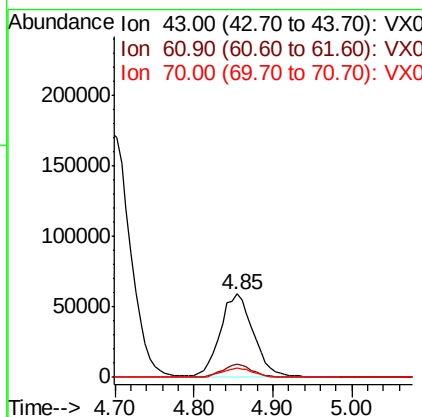
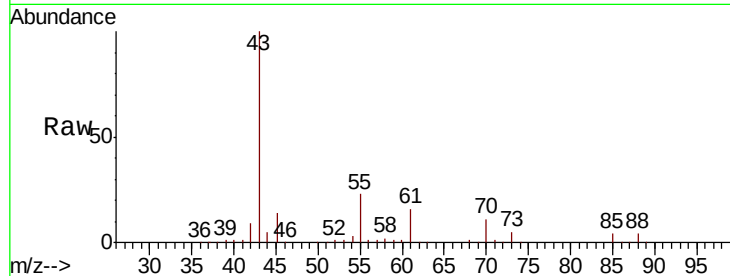
#37
Ethyl Acetate
Concen: 49.202 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	172160
Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.8	16.2
70	10.4	7.8	11.8

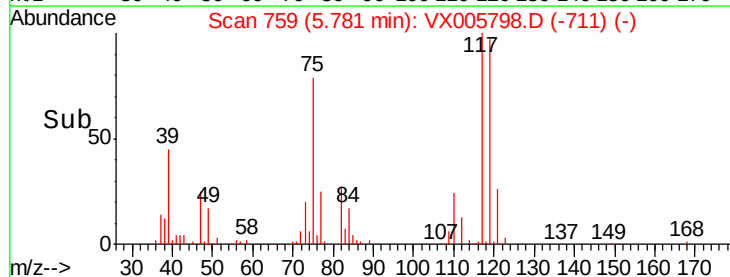
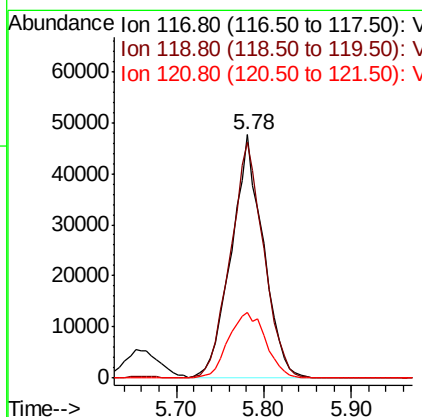
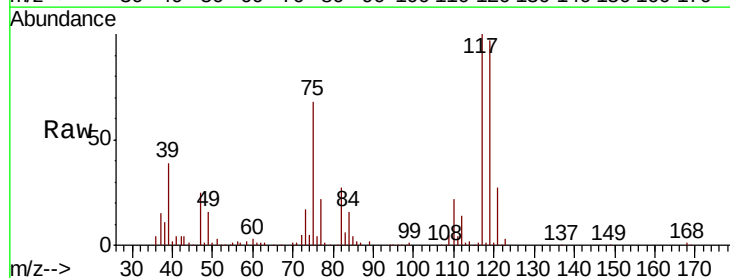
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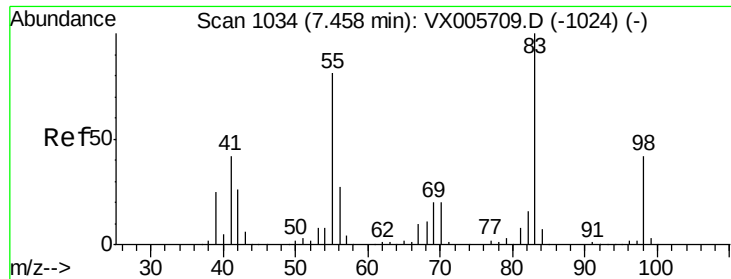
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#38
Carbon Tetrachloride
Concen: 48.878 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion:	117	Resp:	121116
Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.1	117.1
121	27.0	24.6	36.8





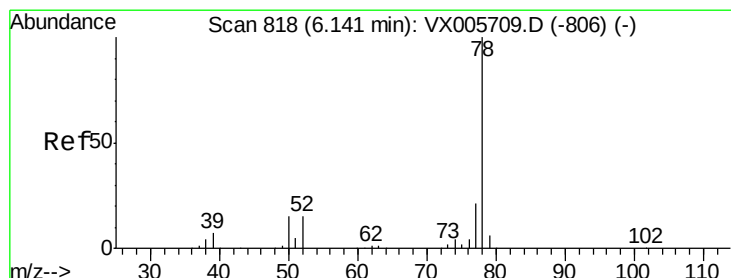
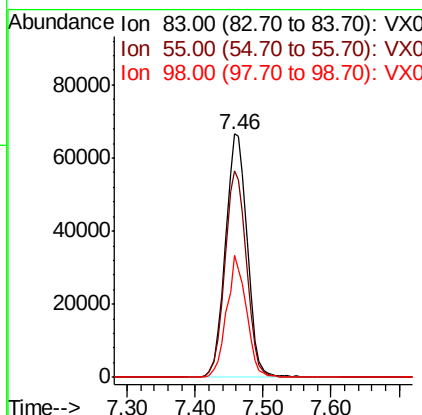
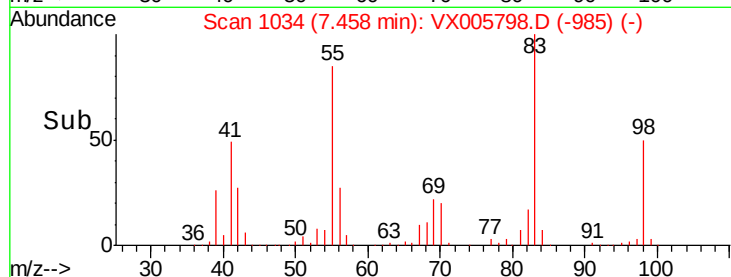
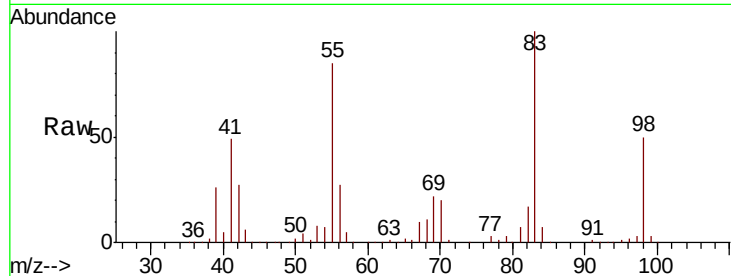
#39
Methylvlcyclohexane
Concen: 51.656 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	63.7	95.5
98	50.0	36.2	54.2

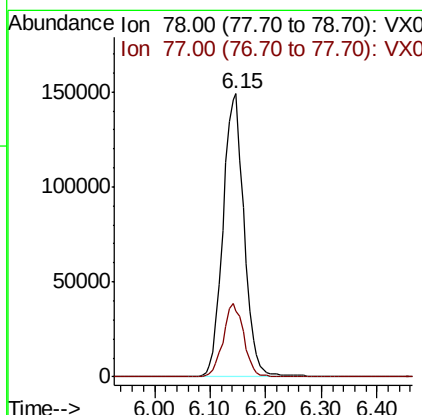
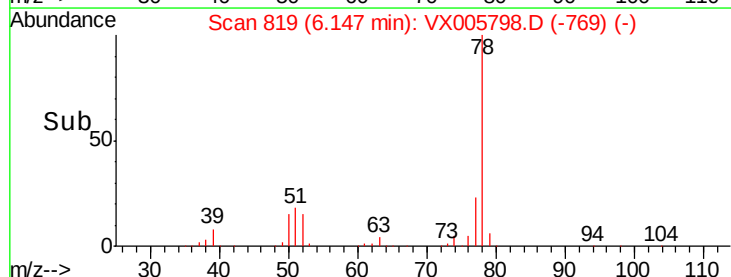
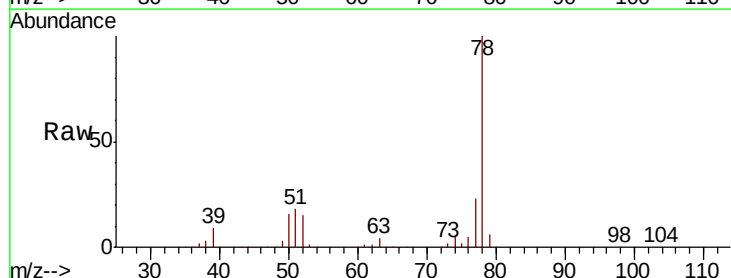
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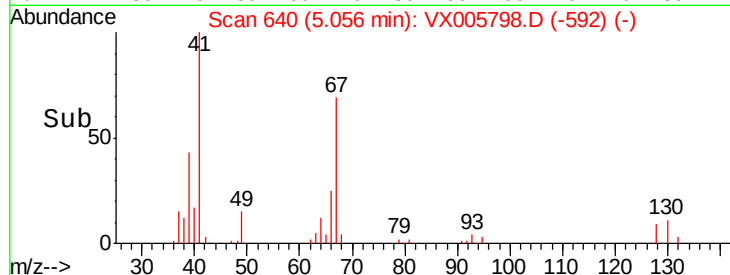
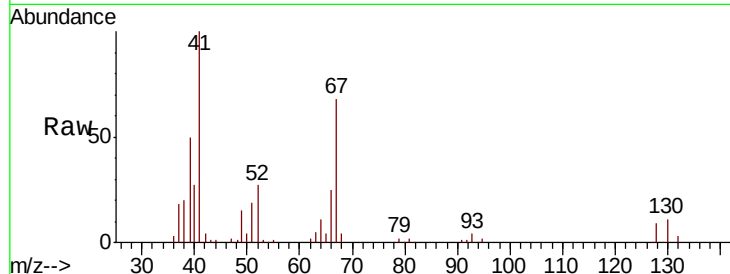
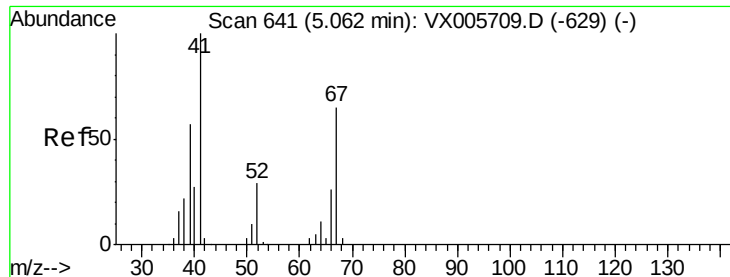
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#40
Benzene
Concen: 48.132 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.4	27.6





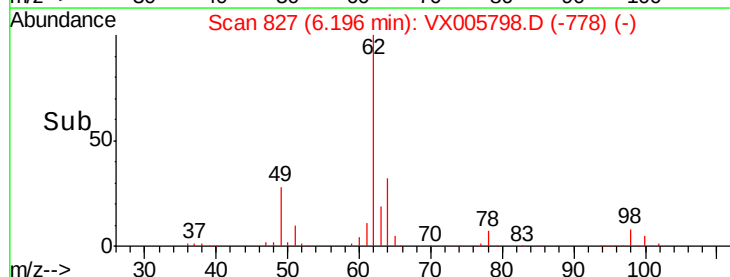
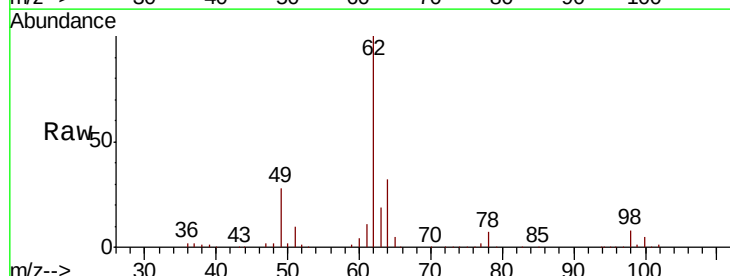
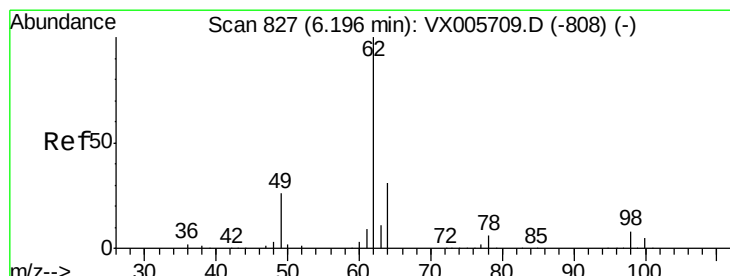
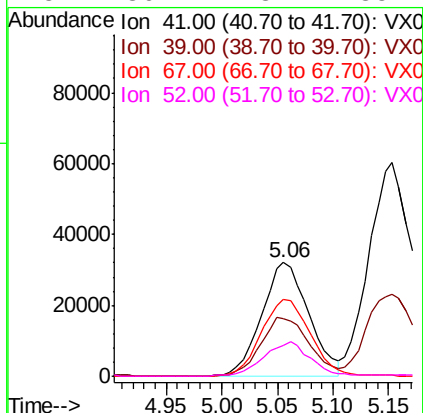
#41
Methacrylonitrile
Concen: 49.928 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		94395		
39	52.8	42.2	63.2		
67	71.0	53.4	80.0		
52	30.2	23.4	35.2		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

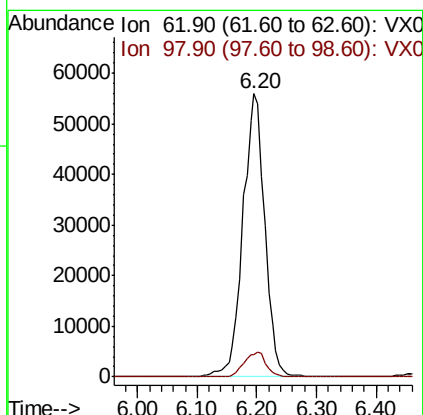
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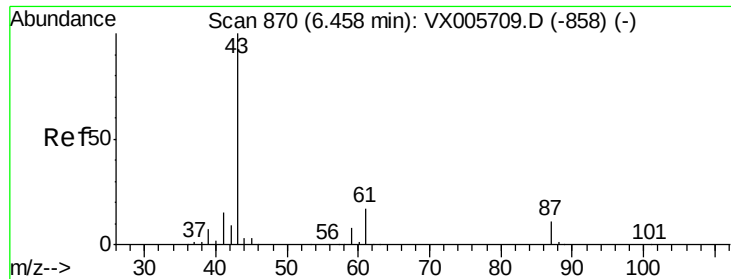
MMDadoda
11/7/2018 11:02:29 AM



#42
1,2-Dichloroethane
Concen: 47.623 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		143630		
98	8.9	0.0	17.8		





#43

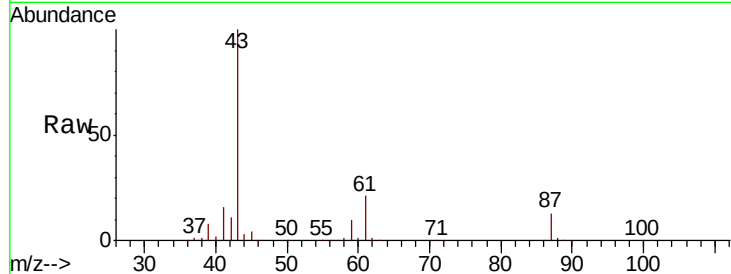
Isopropyl Acetate
 Concen: 48.832 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

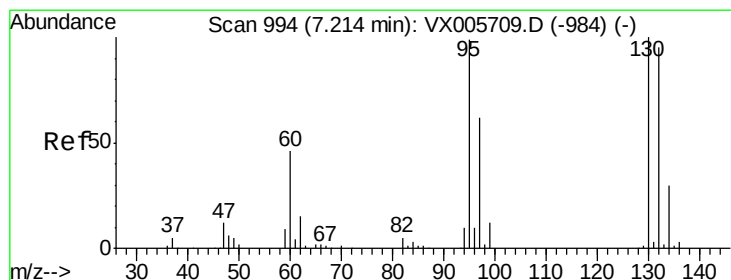
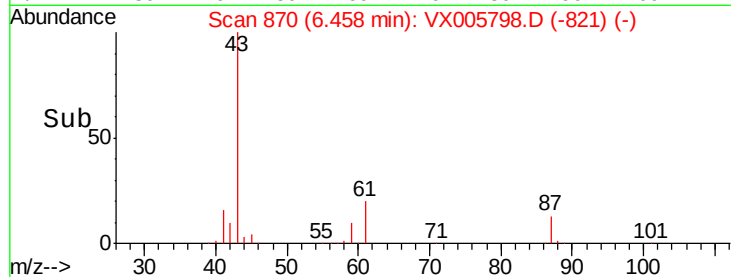
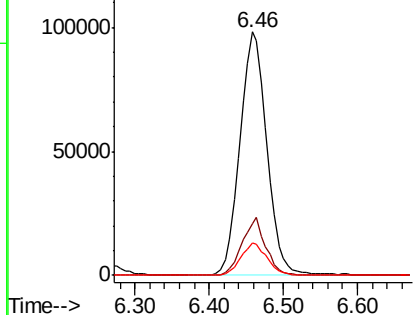
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	14.6	22.0
87	12.7	9.6	14.4

Manual Integrations
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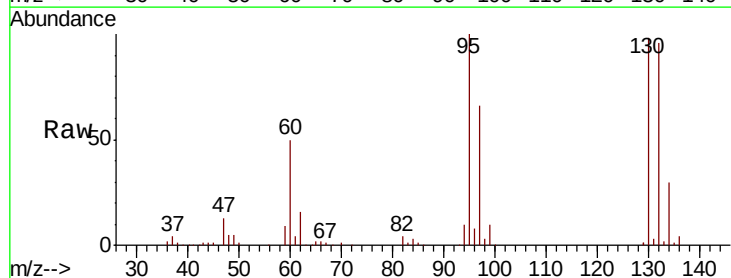
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



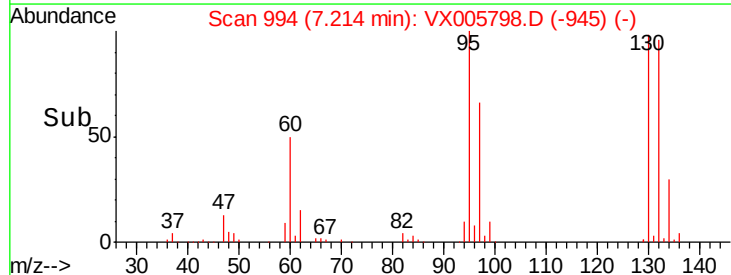
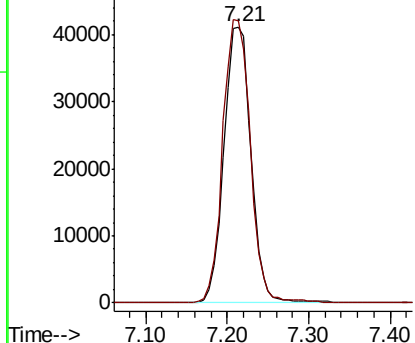
#44

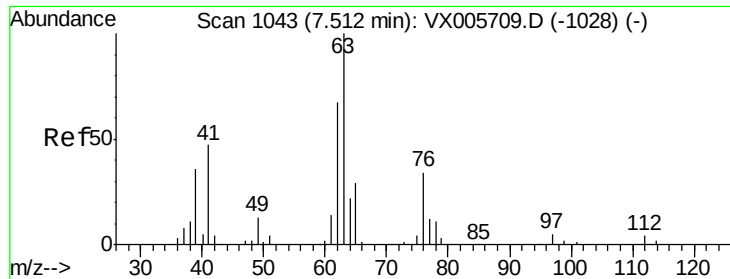
Trichloroethene
 Concen: 49.885 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	194.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





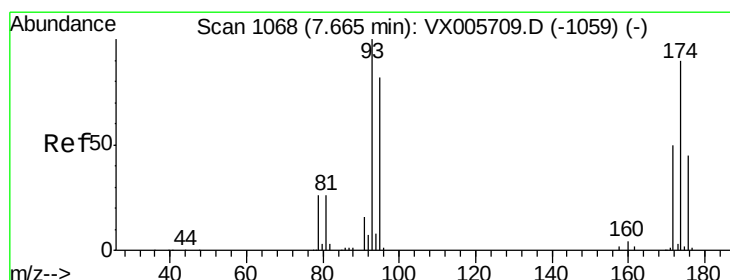
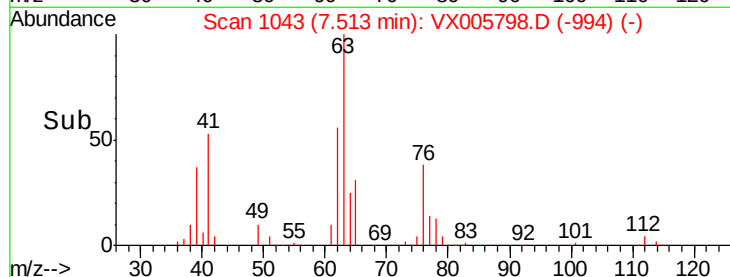
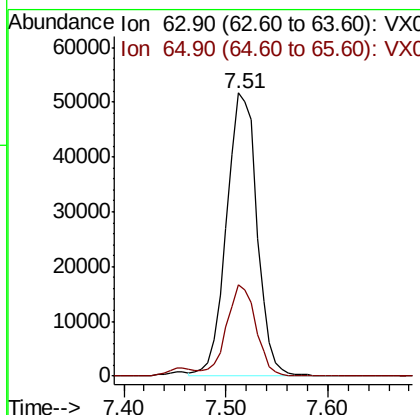
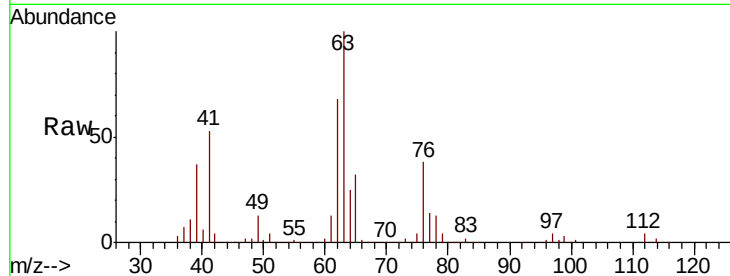
#45
 1,2-Dichloropropane
 Concen: 50.738 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 106092
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.8 37.2

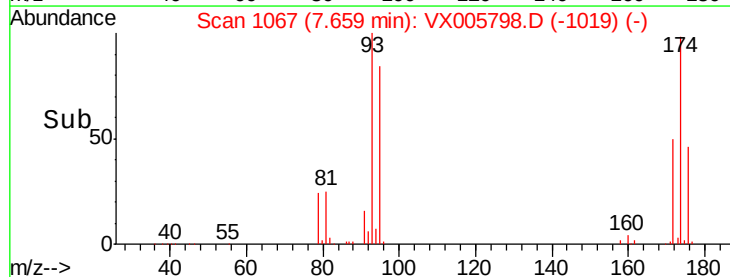
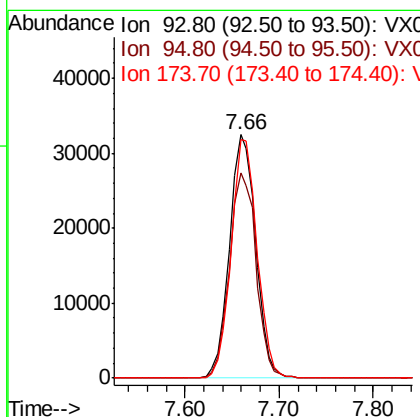
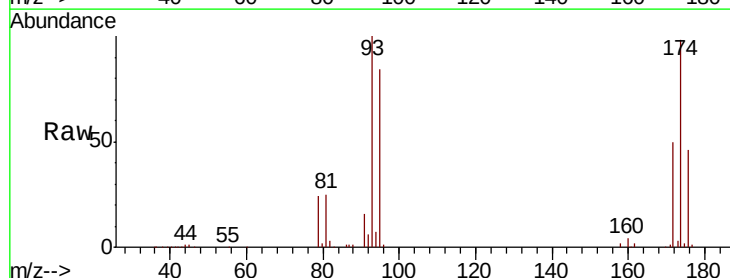
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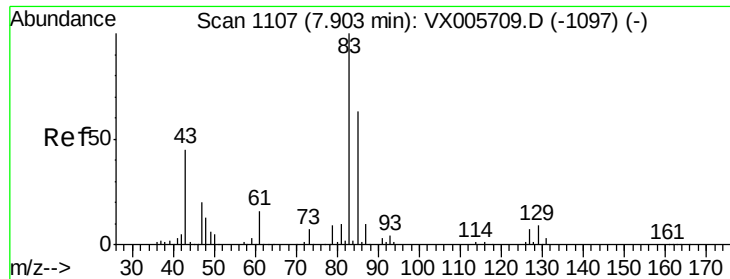
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#46
 Dibromomethane
 Concen: 47.109 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion: 93 Resp: 62952
 Ion Ratio Lower Upper
 93 100
 95 85.5 67.4 101.0
 174 96.9 91.5 137.3





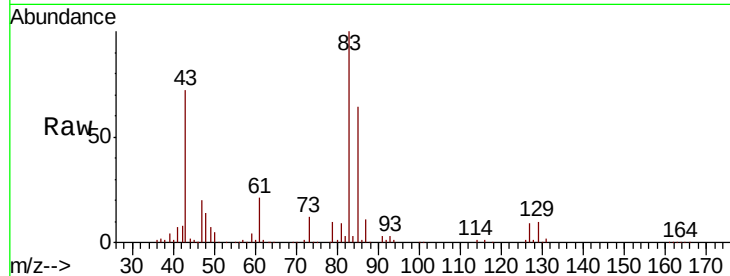
#47
Bromodichloromethane
Concen: 49.840 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

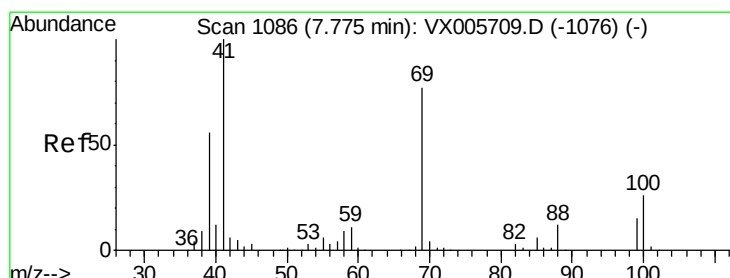
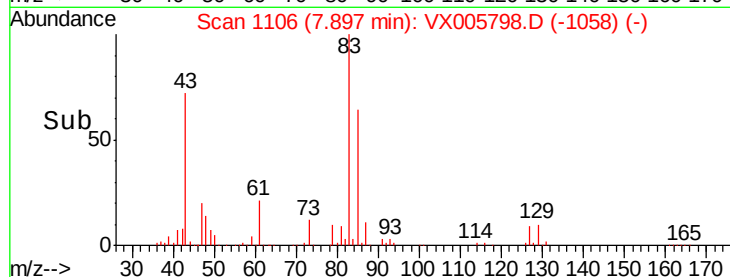
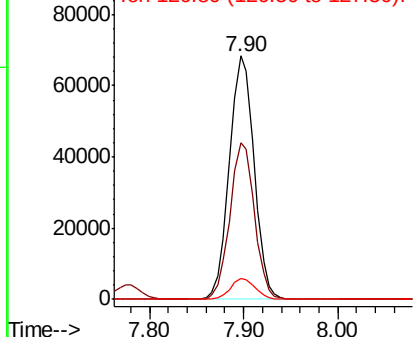
Tot Ion	83	Resp	124926
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	8.7	6.9	10.3

Manual Integrations
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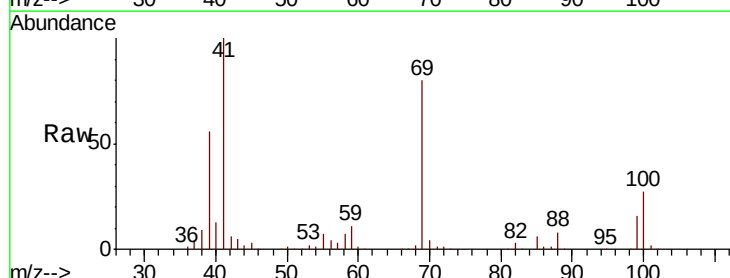


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

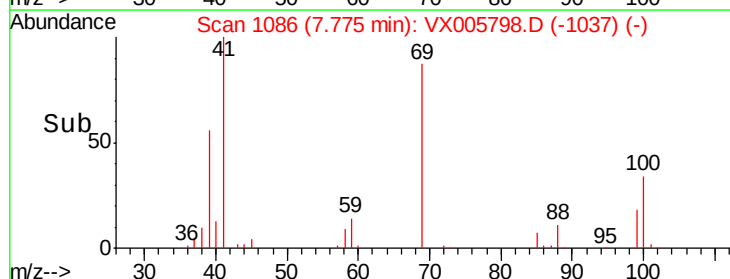
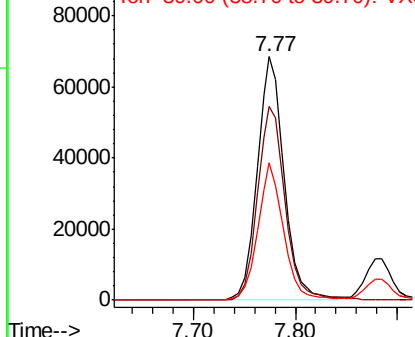


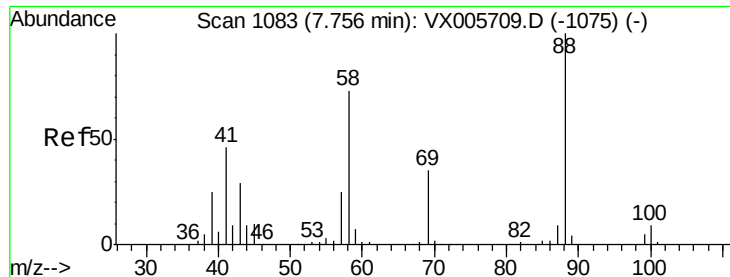
#48
Methyl methacrylate
Concen: 51.159 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	41	Resp	125751
Ion Ratio	100	Lower	Upper
41	100		
69	82.1	63.2	94.8
39	53.5	42.2	63.2



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





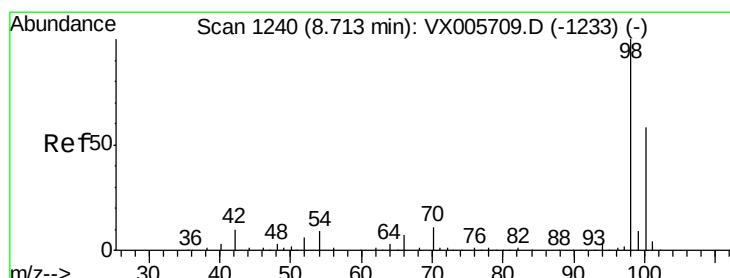
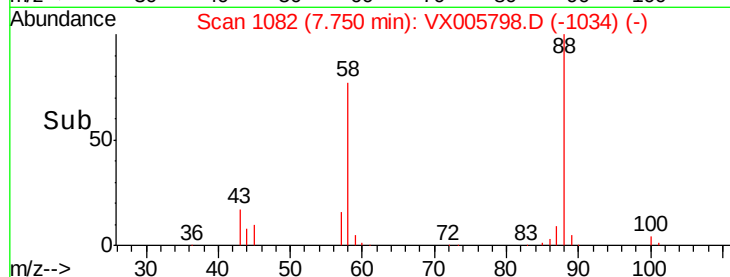
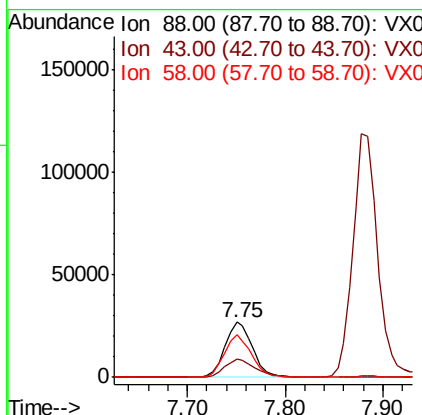
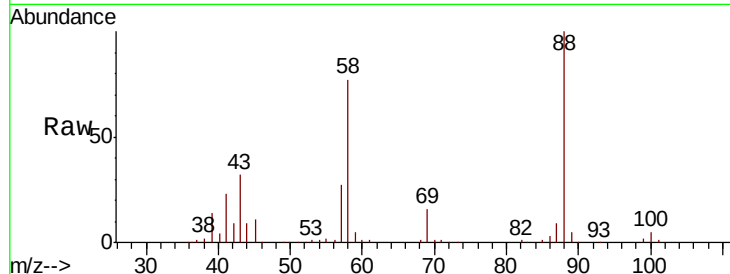
#49
1,4-Dioxane
Concen: 946.497 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	27.4	41.0
58	77.5	59.4	89.2

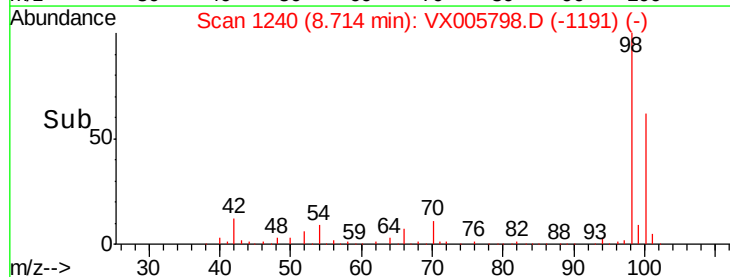
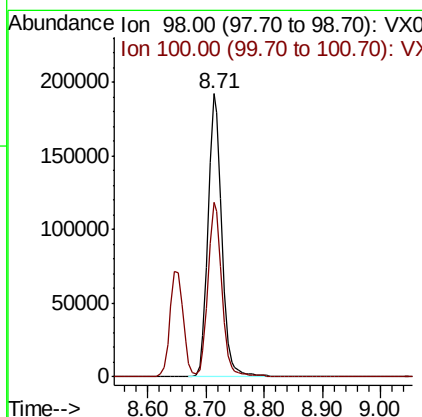
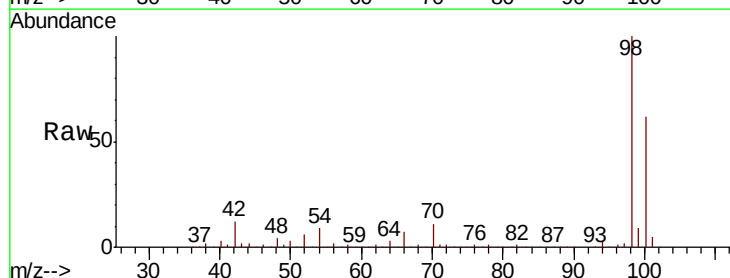
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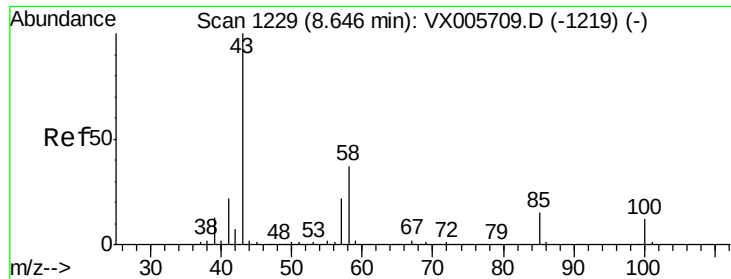
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#50
Toluene-d8
Concen: 50.763 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.0	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 252.338 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 873825

Ion Ratio Lower Upper

43 100

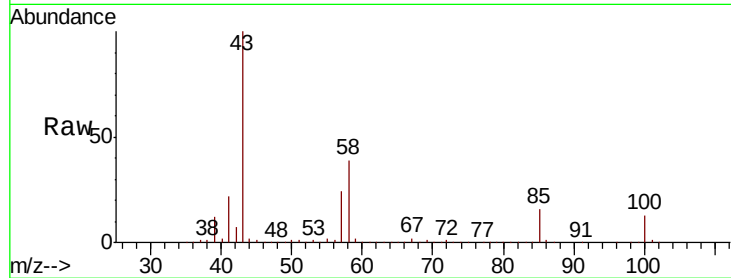
58 39.7 29.7 44.5

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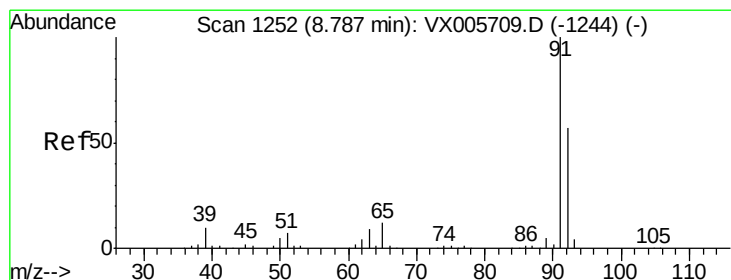
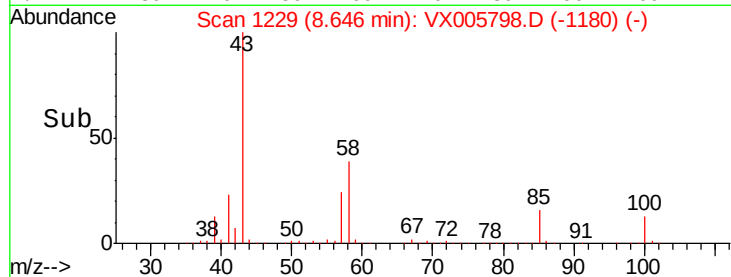
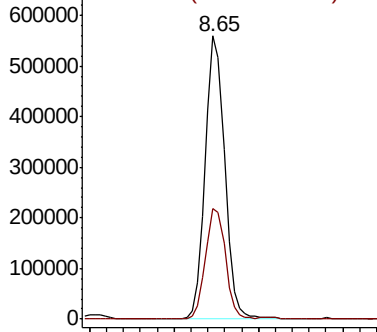
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.819 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005798.D

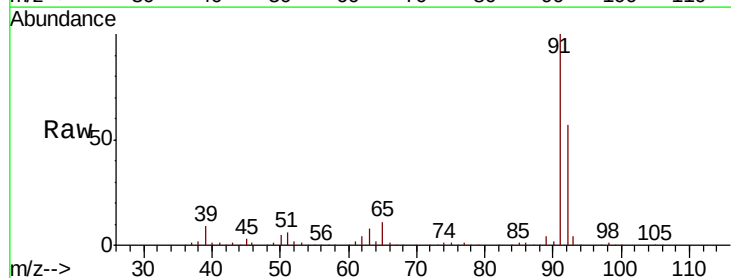
Acq: 06 Nov 2018 10:15

Tgt Ion: 92 Resp: 228695

Ion Ratio Lower Upper

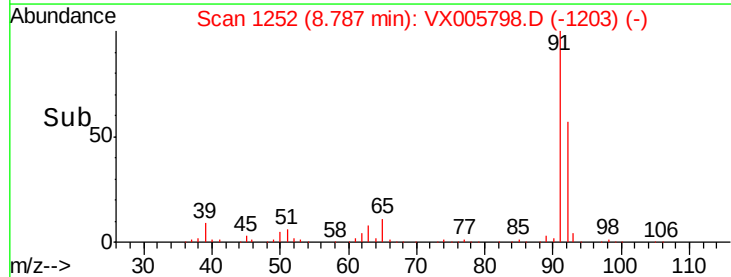
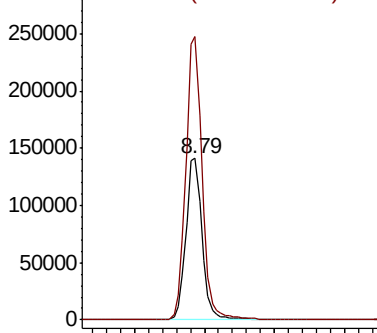
92 100

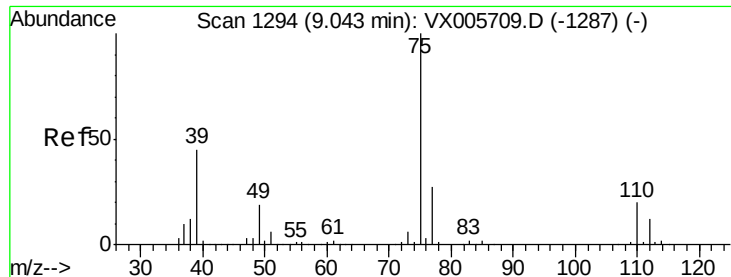
91 175.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





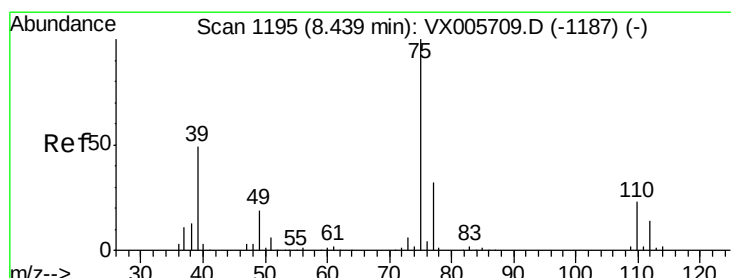
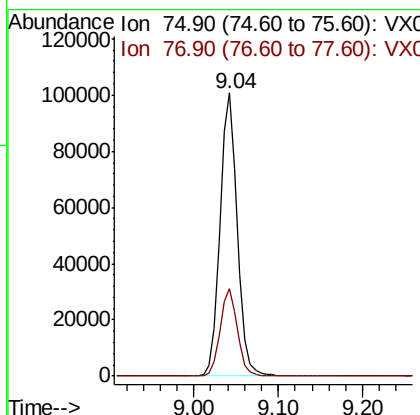
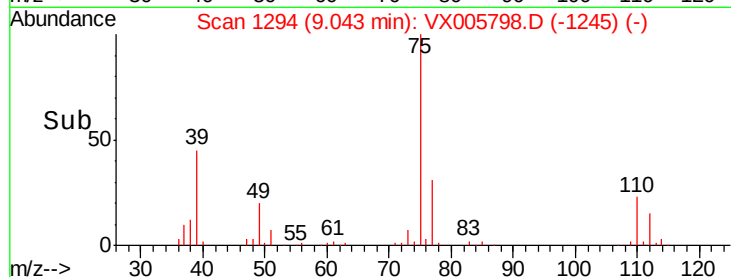
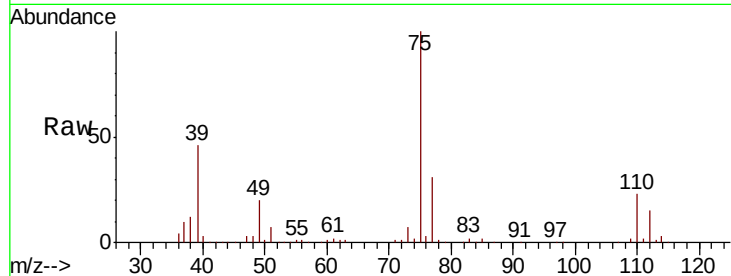
#53
 t-1,3-Dichloropropene
 Concen: 52.536 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 142711
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.2

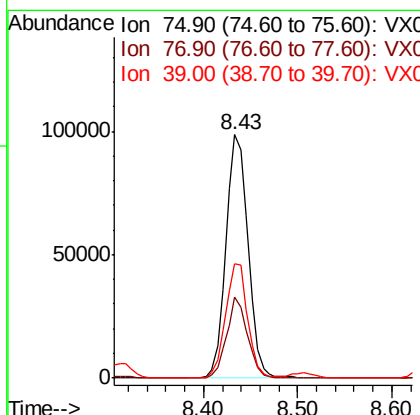
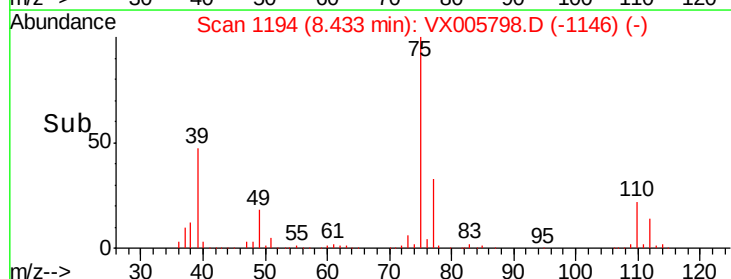
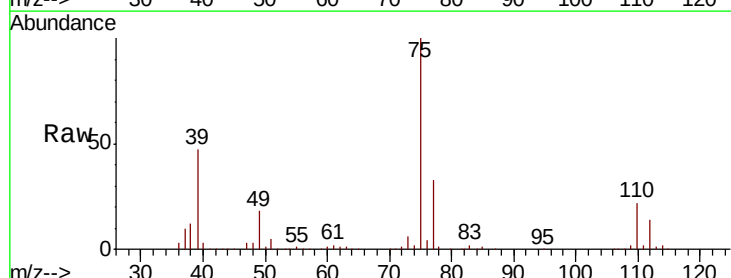
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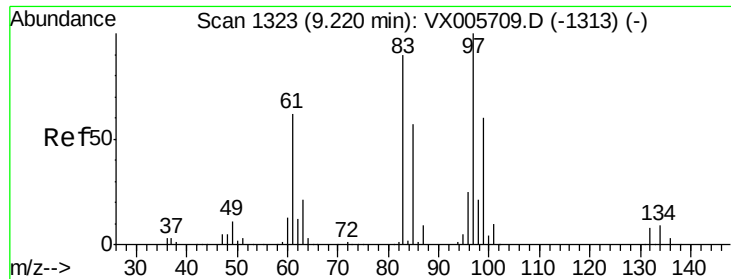
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#54
 cis-1,3-Dichloropropene
 Concen: 55.390 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion: 75 Resp: 161203
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.2 37.8
 39 46.7 38.2 57.2





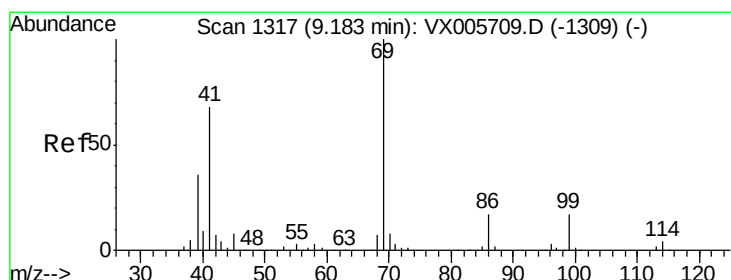
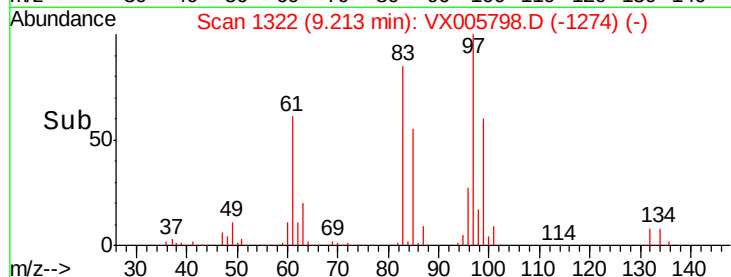
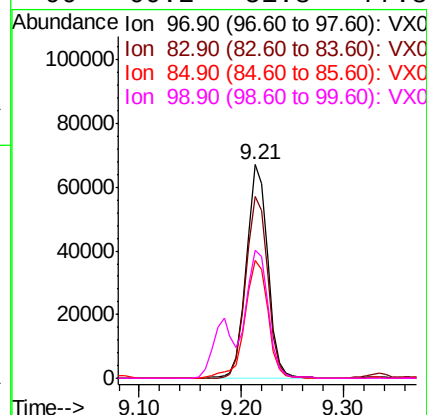
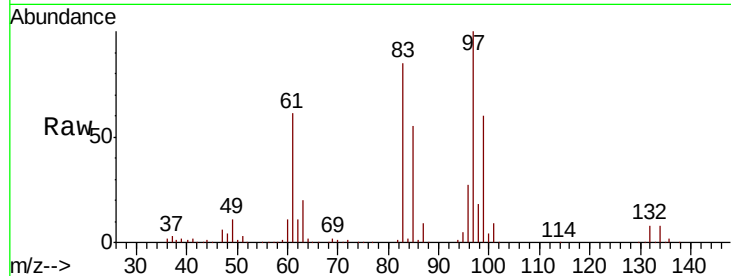
#55
 1,1,2-Trichloroethane
 Concen: 50.836 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	97434
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.7	106.1
85	55.3	45.8	68.6
99	60.2	51.8	77.8

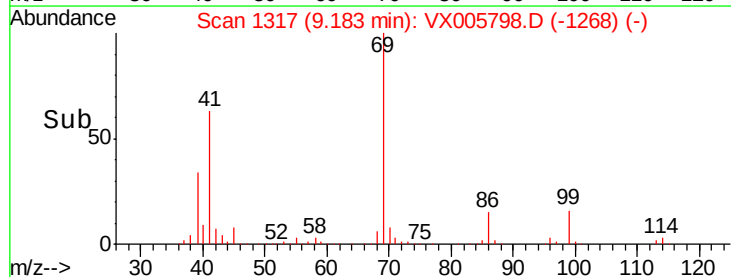
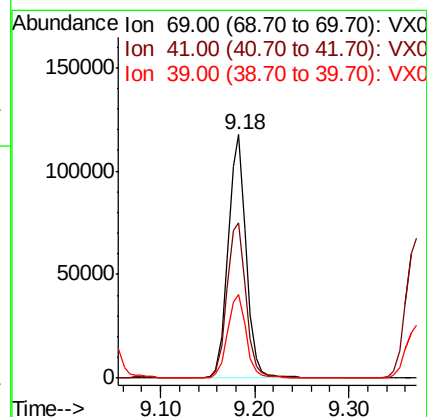
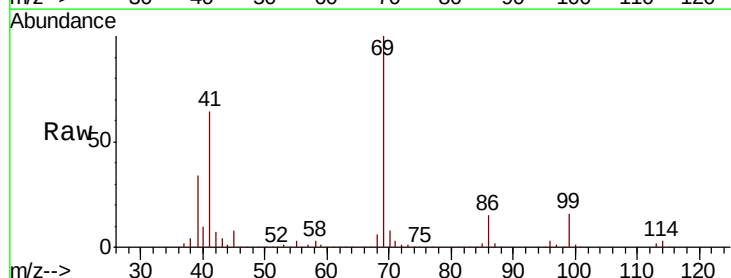
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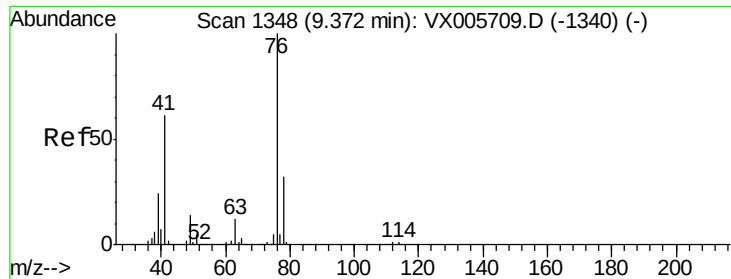
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#56
 Ethyl methacrylate
 Concen: 47.899 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion:	69	Resp:	155485
Ion	Ratio	Lower	Upper
69	100		
41	67.0	57.0	85.6
39	35.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.342 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 175621

Ion Ratio Lower Upper

76 100

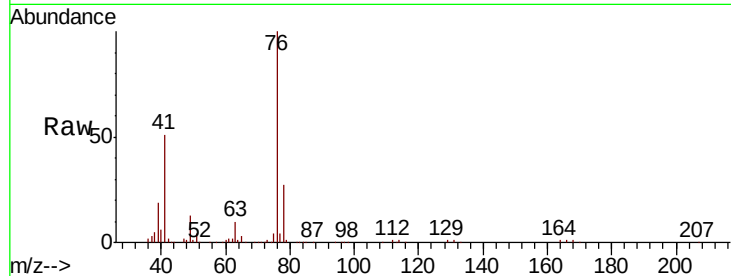
78 29.9 25.3 37.9

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

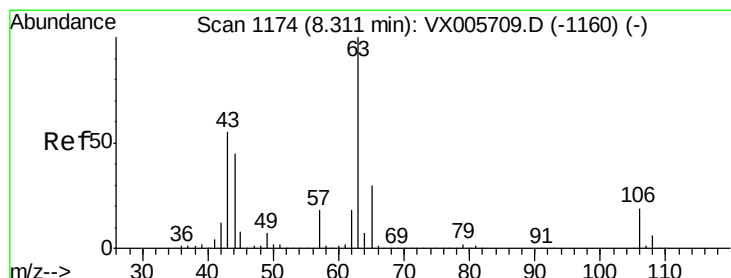
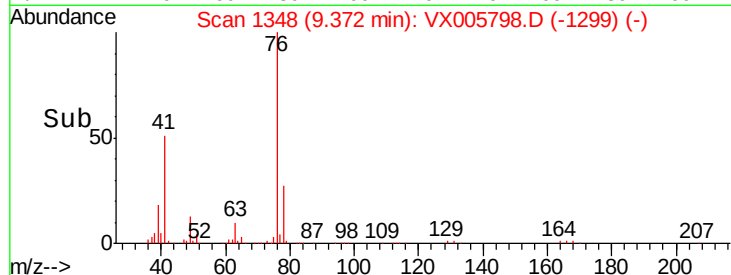
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 272.331 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX005798.D

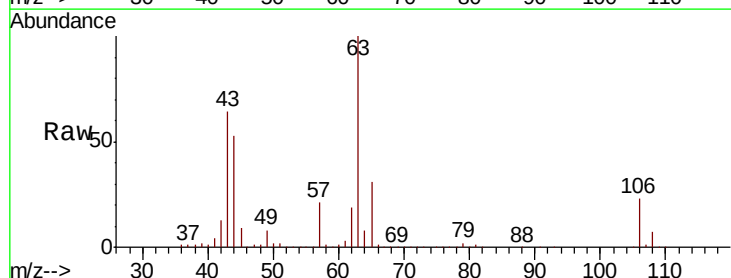
Acq: 06 Nov 2018 10:15

Tgt Ion: 63 Resp: 505010

Ion Ratio Lower Upper

63 100

106 24.4 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

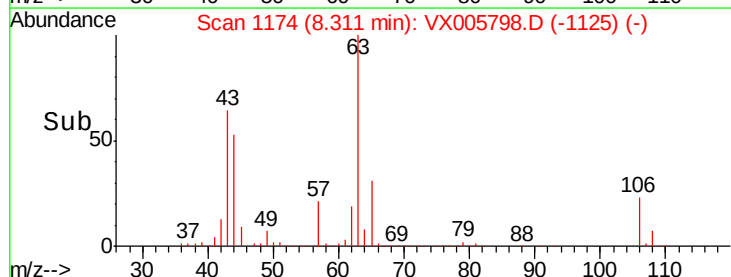
300000

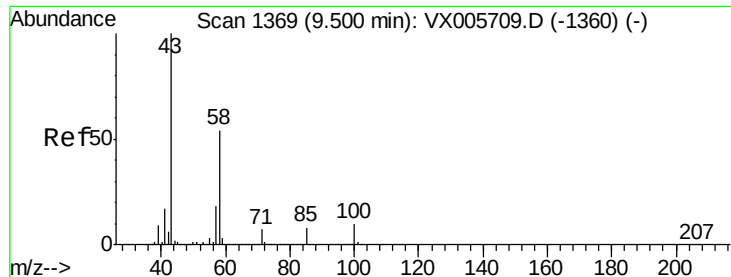
200000

100000

0

Time-->





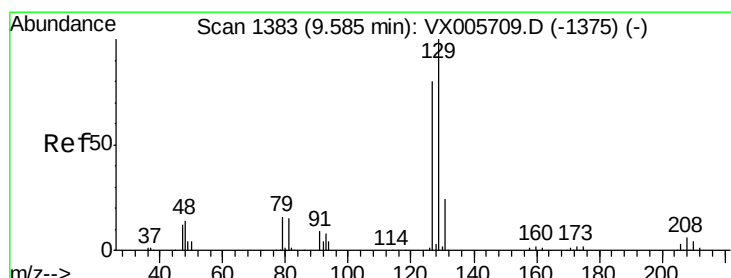
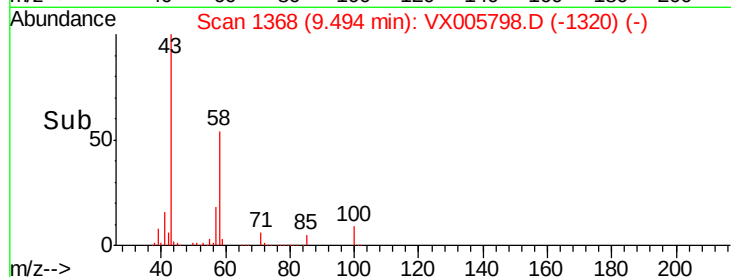
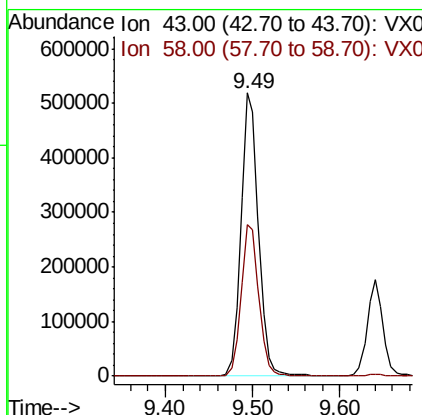
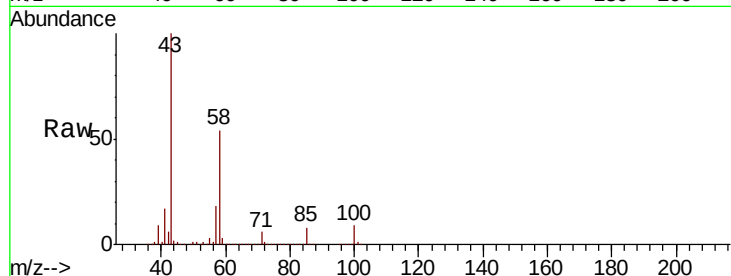
#59
2-Hexanone
Concen: 255.688 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	25.9	77.8

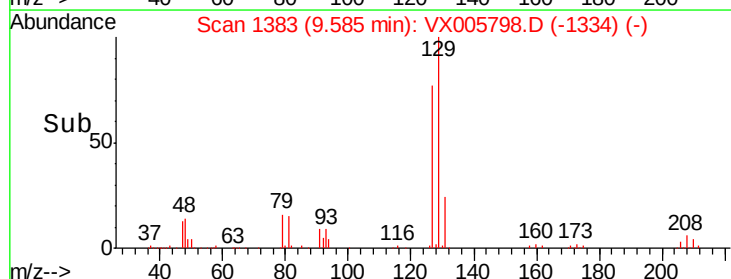
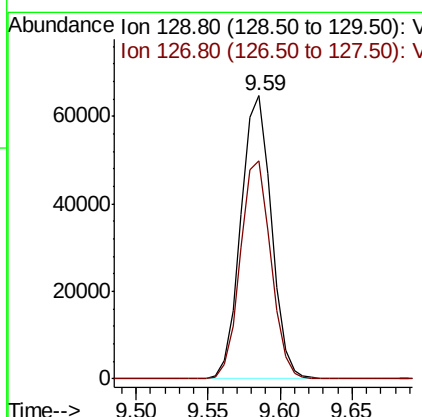
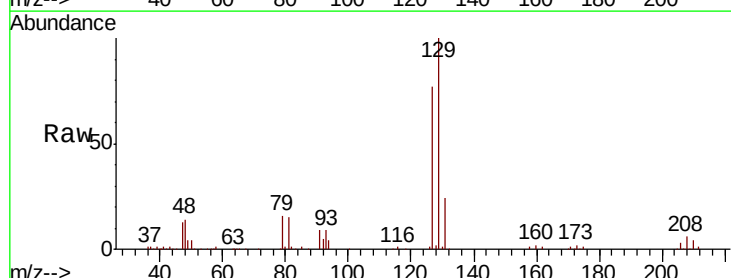
Manual Integrations
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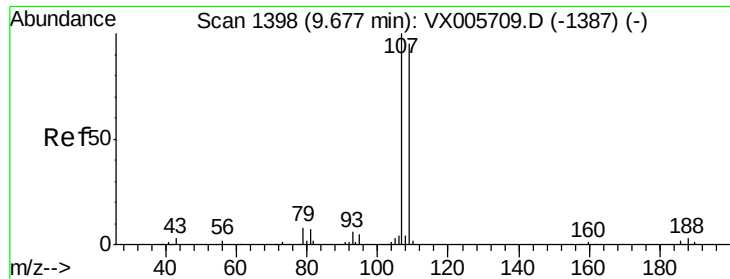
MMDadoda
11/7/2018 11:02:29 AM



#60
Dibromochloromethane
Concen: 51.393 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.9	116.7





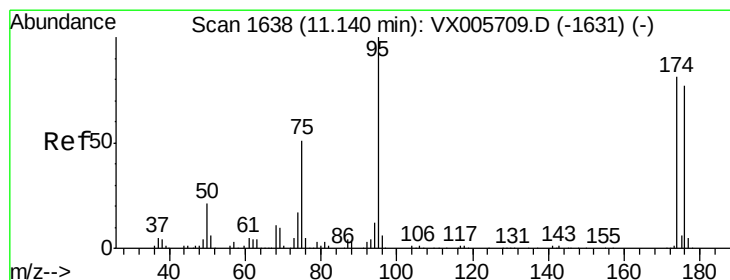
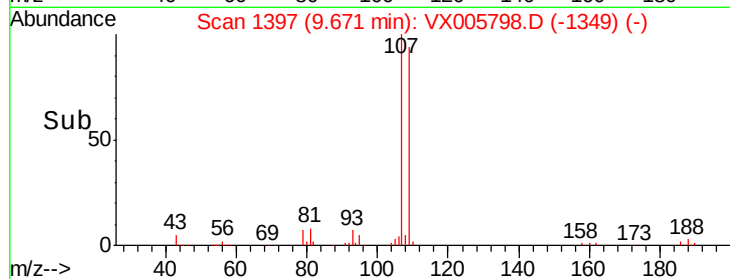
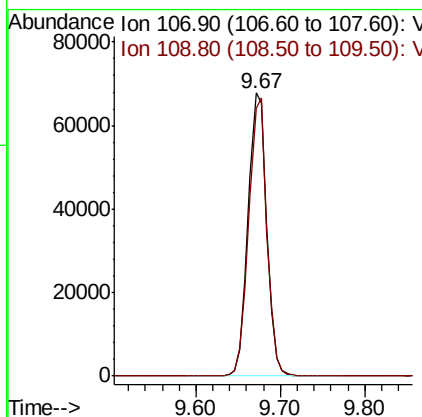
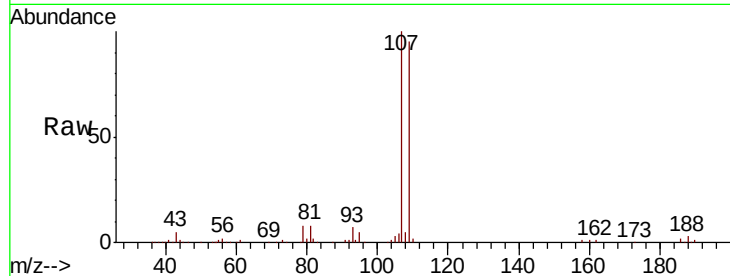
#61
 1,2-Dibromoethane
 Concen: 50.972 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.7	113.5

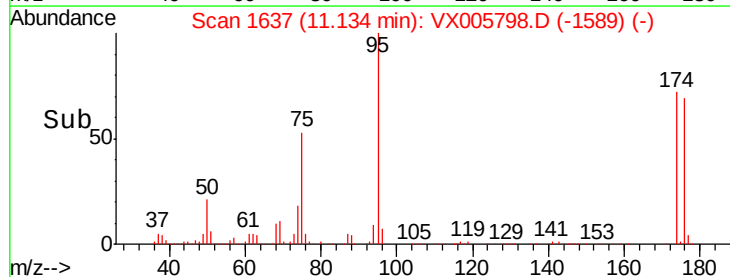
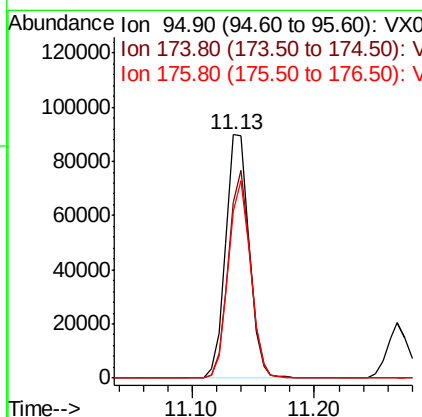
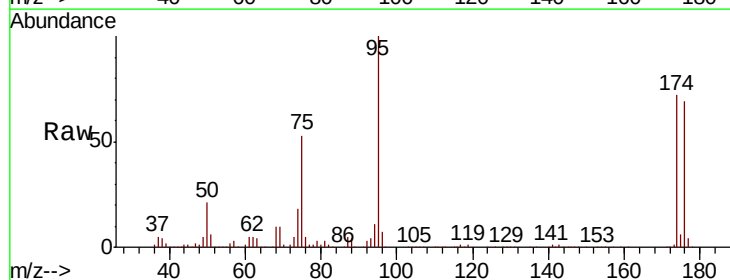
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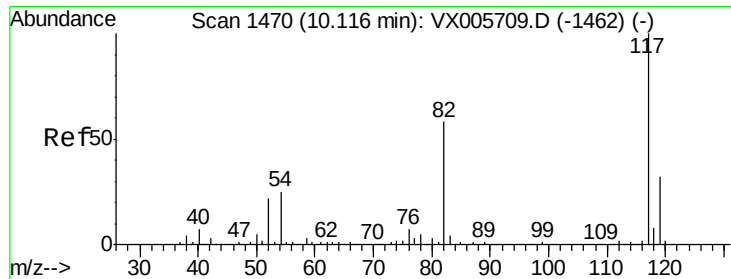
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#62
 4-Bromofluorobenzene
 Concen: 51.681 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	184.4
176	76.9	0.0	177.4





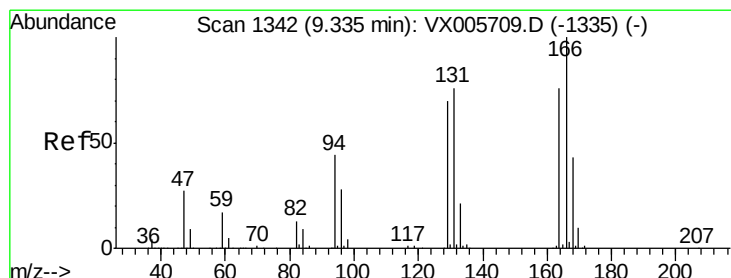
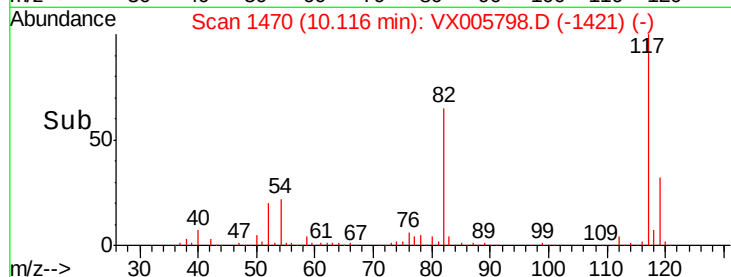
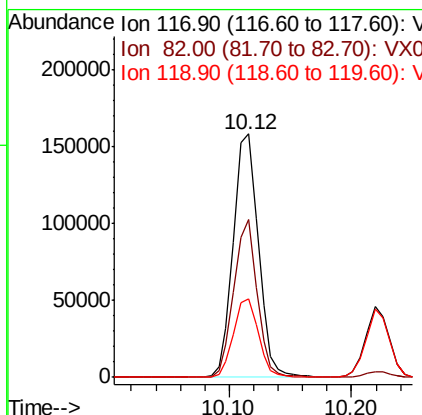
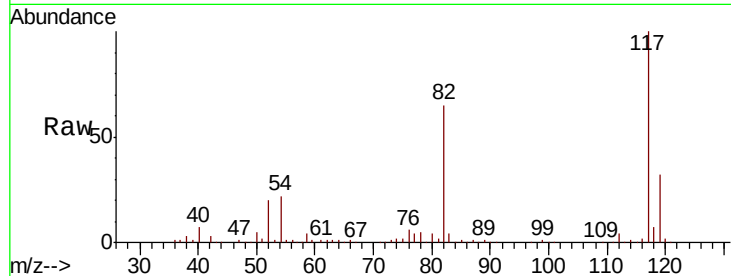
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.8	44.1	66.1
119	32.0	26.2	39.2

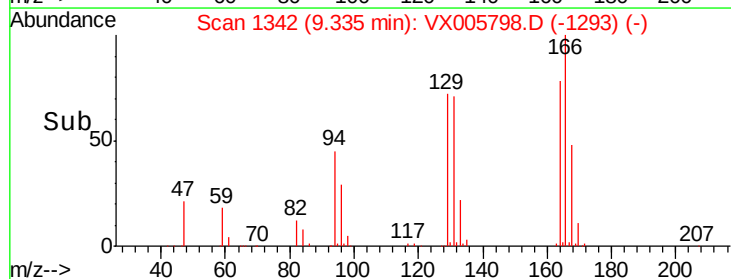
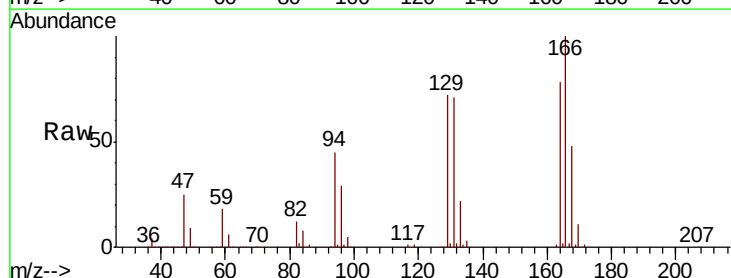
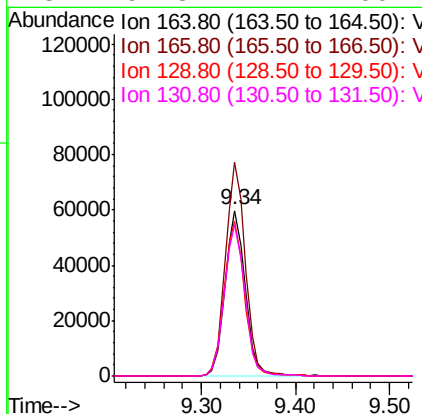
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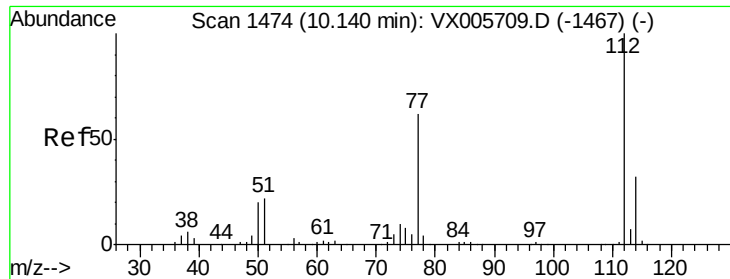
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11/7/2018 11:02:29 AM



#64
Tetrachloroethene
Concen: 53.958 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.9	152.9
129	93.3	72.6	109.0
131	91.3	71.1	106.7





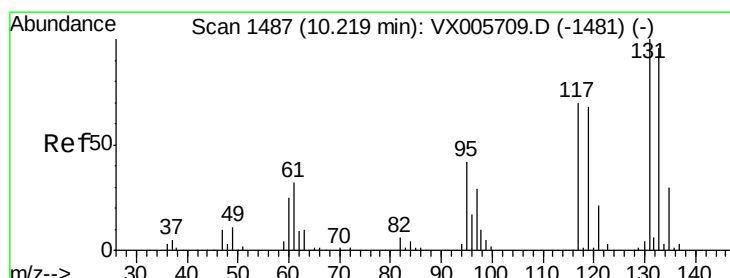
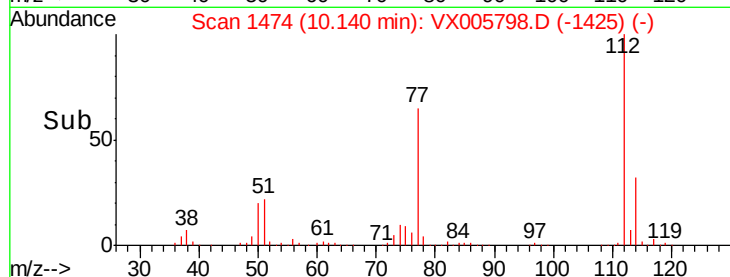
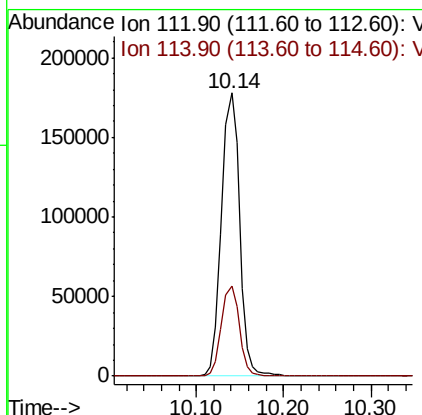
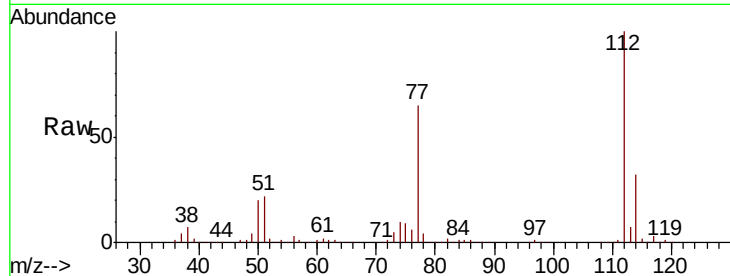
#65
Chlorobenzene
Concen: 53.392 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 256111
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

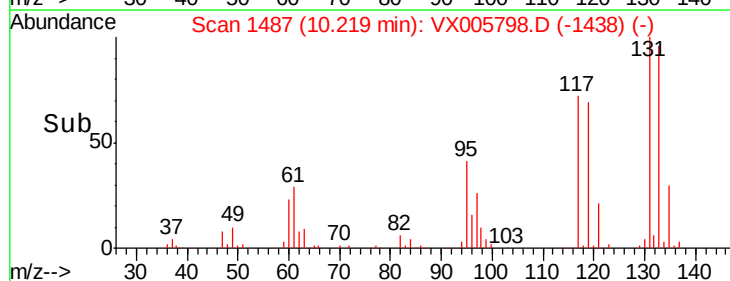
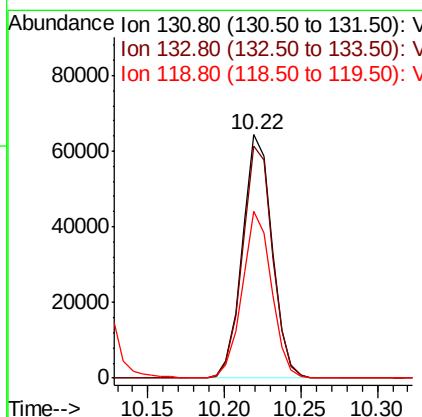
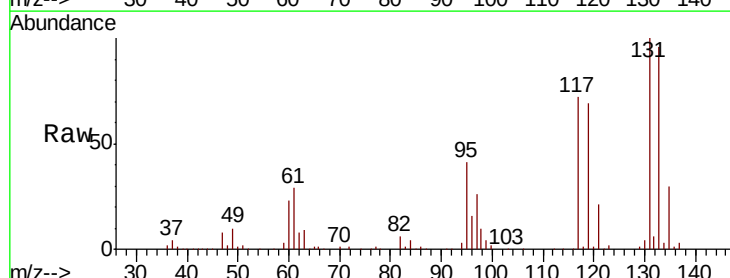
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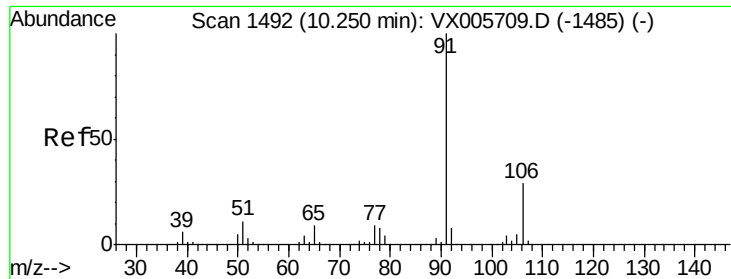
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.823 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion:131 Resp: 86741
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.5
119 67.6 31.8 95.3





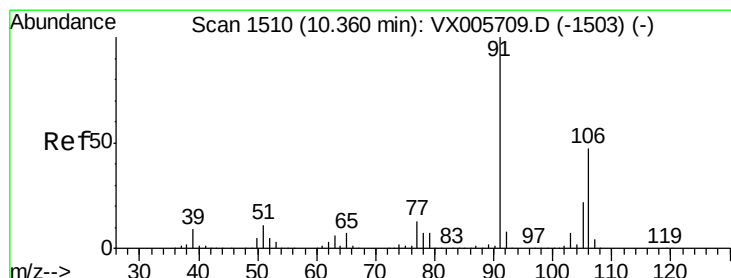
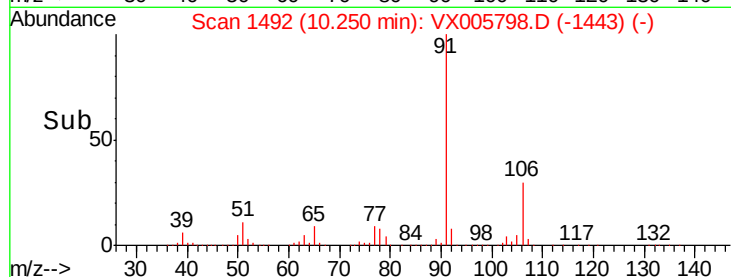
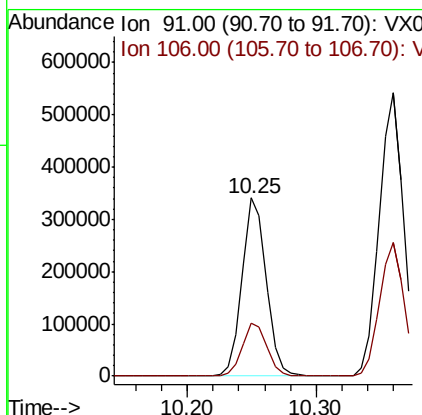
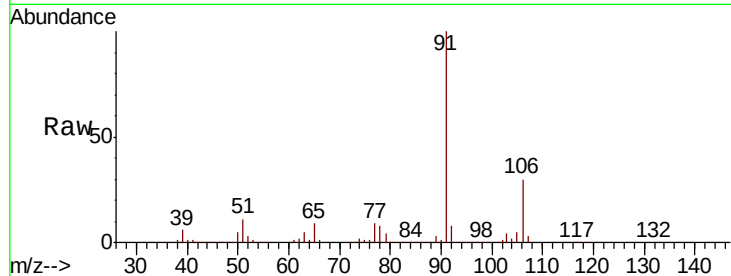
#67
Ethyl Benzene
Concen: 54.007 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 442134
Ion Ratio Lower Upper
91 100
106 29.7 24.4 36.6

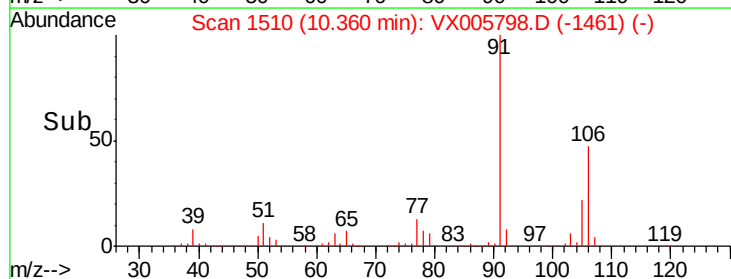
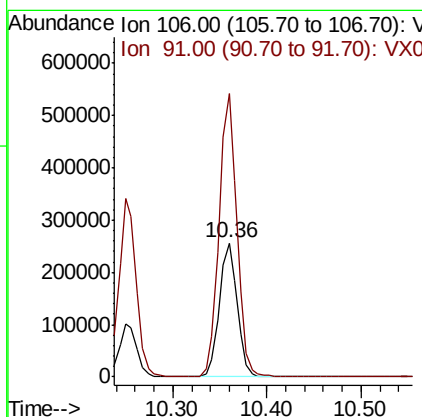
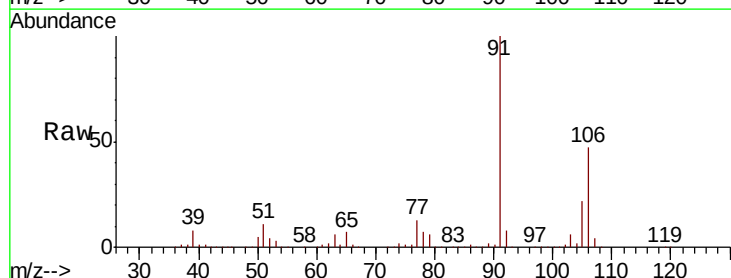
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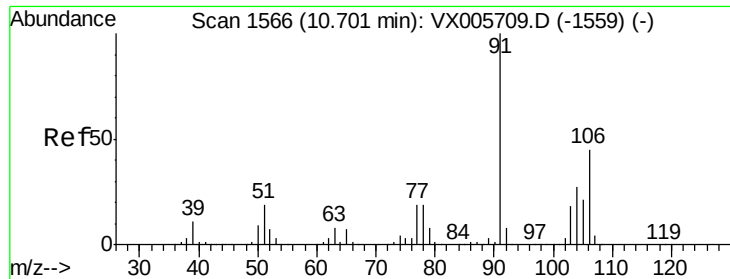
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#68
m/p-Xylenes
Concen: 110.981 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion: 106 Resp: 337606
Ion Ratio Lower Upper
106 100
91 211.1 164.2 246.4





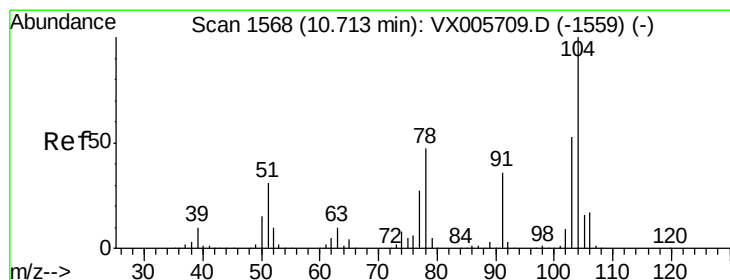
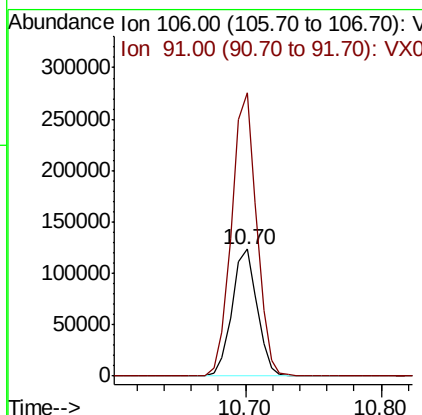
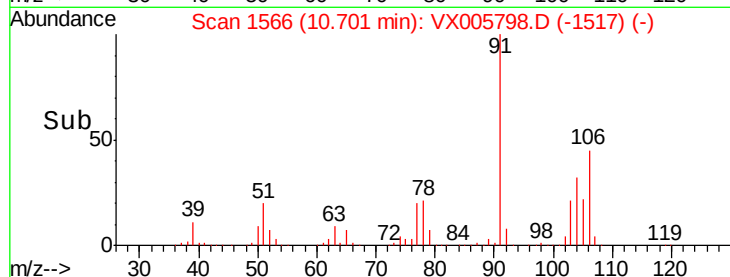
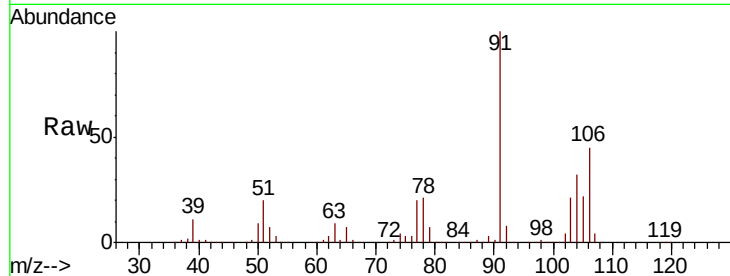
#69
o-Xylene
Concen: 54.592 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 158834
Ion Ratio Lower Upper
106 100
91 222.4 108.5 325.5

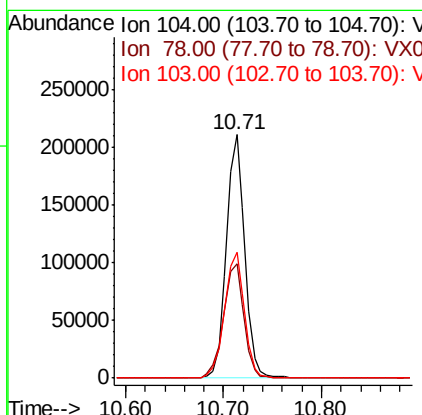
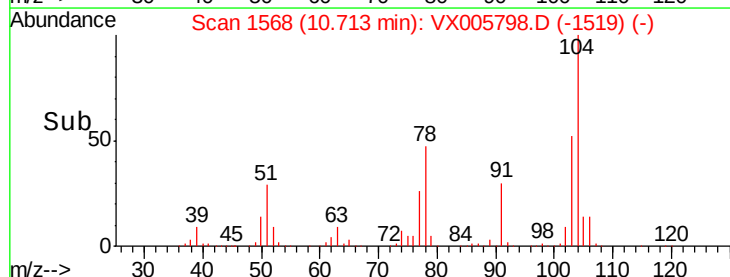
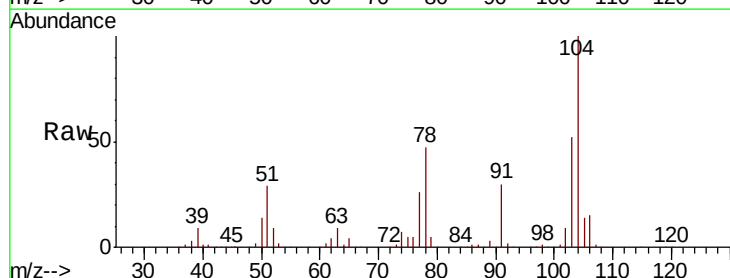
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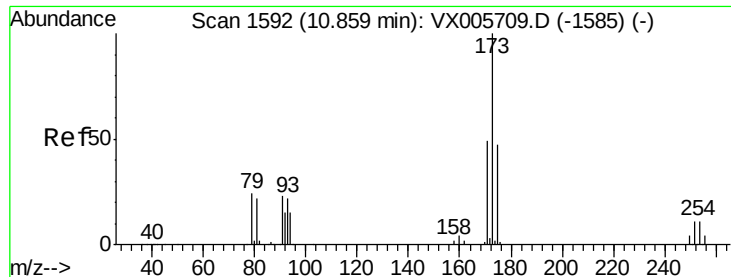
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#70
Styrene
Concen: 56.794 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion:104 Resp: 274451
Ion Ratio Lower Upper
104 100
78 52.5 40.2 60.4
103 56.2 44.9 67.3





#71

Bromoform

Concen: 54.169 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 72072

Ion Ratio Lower Upper

173 100

175 49.1 24.8 74.3

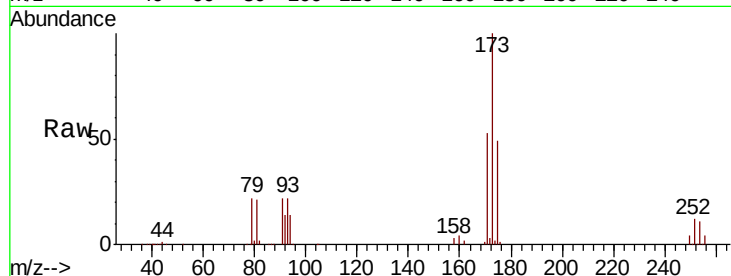
254 0.2 0.2 0.2

Manual Integrations

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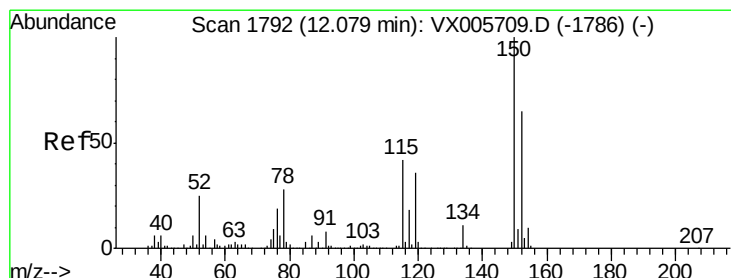
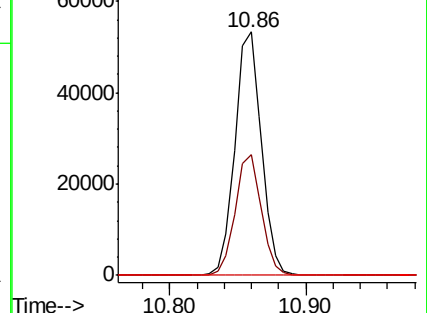
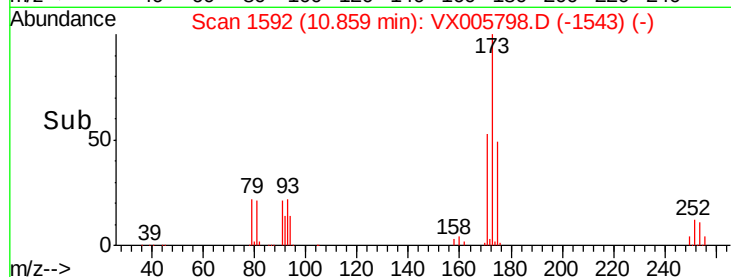
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

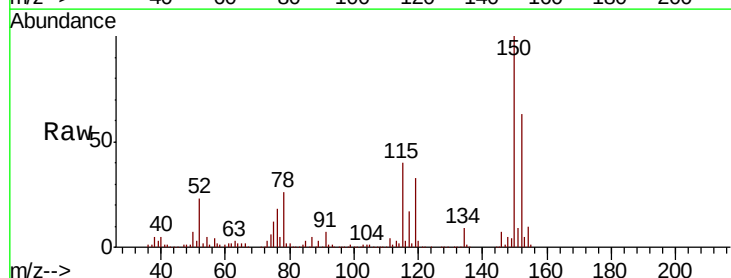
Tgt Ion:152 Resp: 123284

Ion Ratio Lower Upper

152 100

115 85.7 39.4 118.1

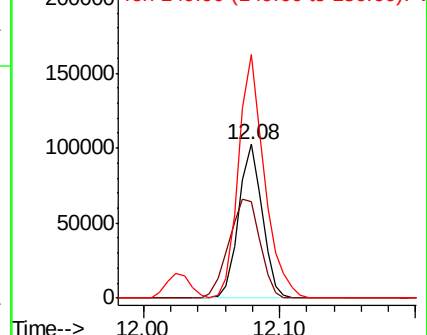
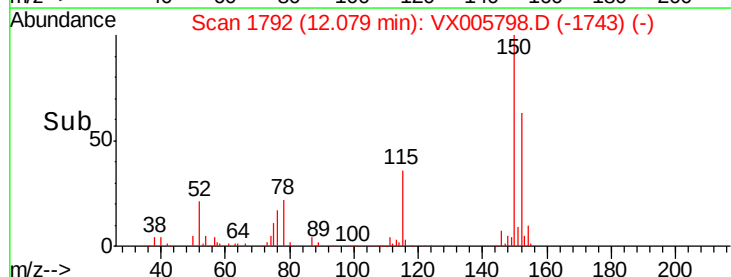
150 174.8 0.0 346.4

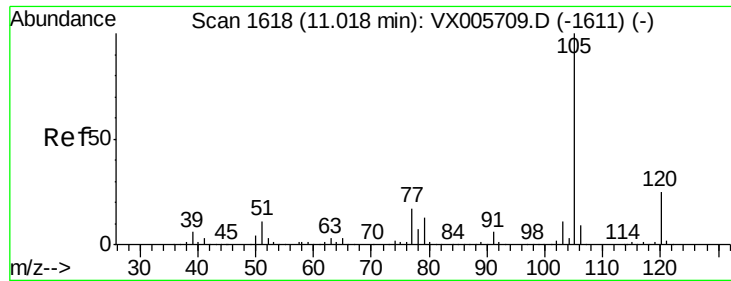


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.666 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 444623

Ion Ratio Lower Upper

105 100

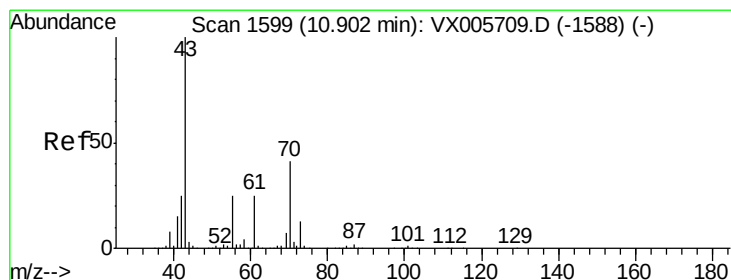
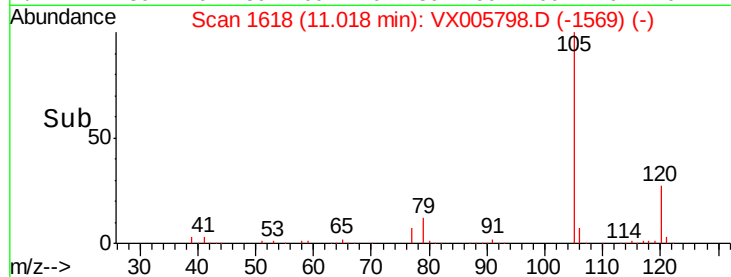
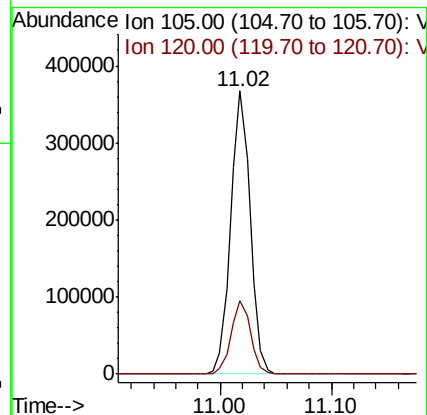
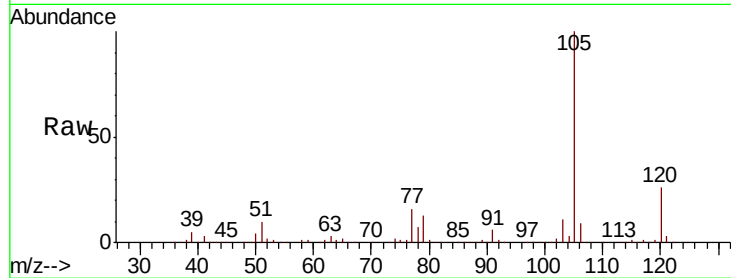
120 25.9 13.1 39.3

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#74

N-ethyl acetate

Concen: 52.348 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Tgt Ion: 43 Resp: 226685

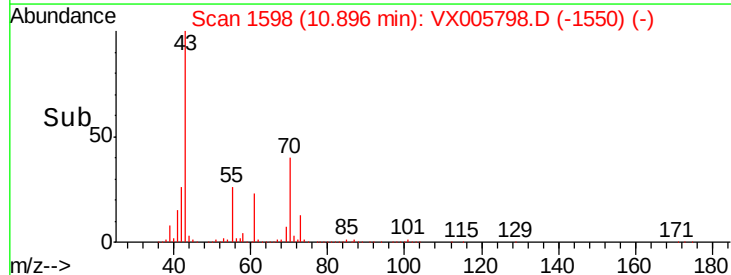
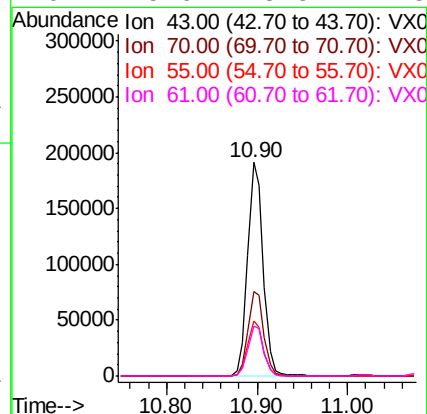
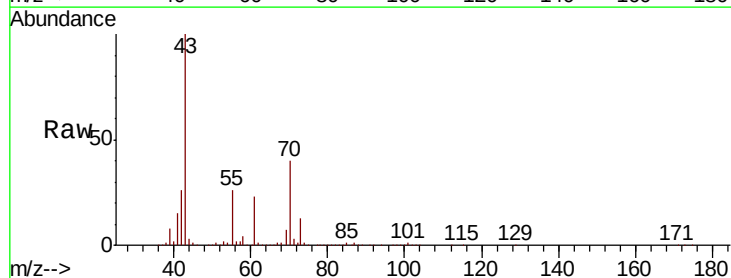
Ion Ratio Lower Upper

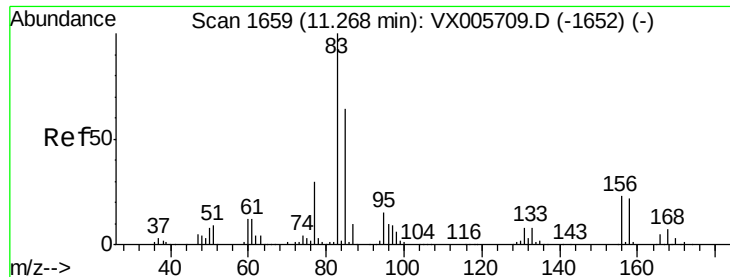
43 100

70 40.5 31.6 47.4

55 26.1 19.7 29.5

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.076 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

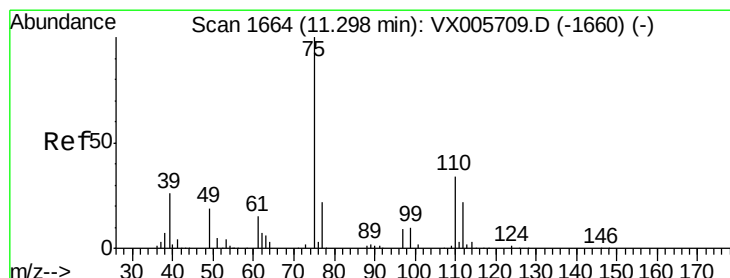
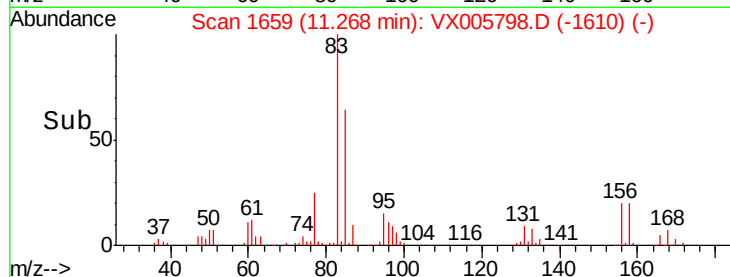
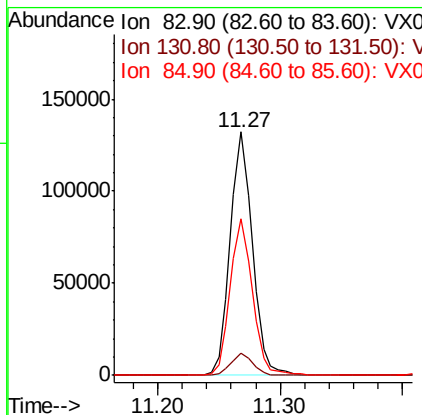
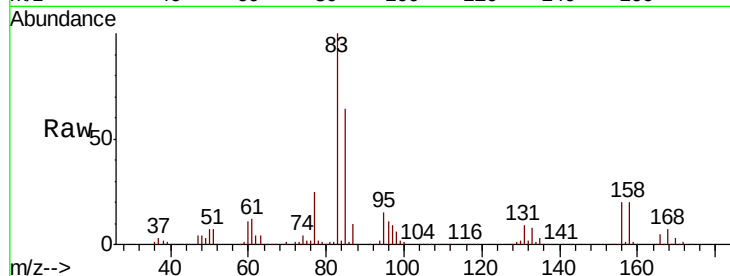
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	165600
Ion Ratio	Lower	Upper	
83	100		
131	9.0	5.3	15.9
85	64.4	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 51.206 ug/l m

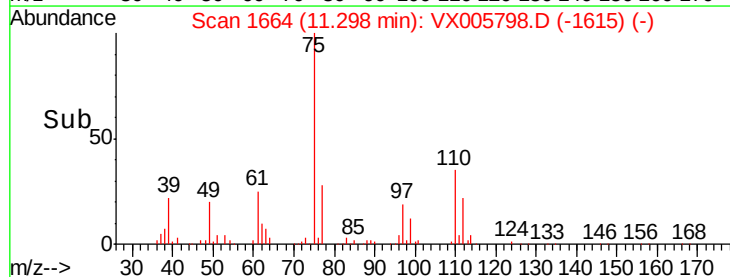
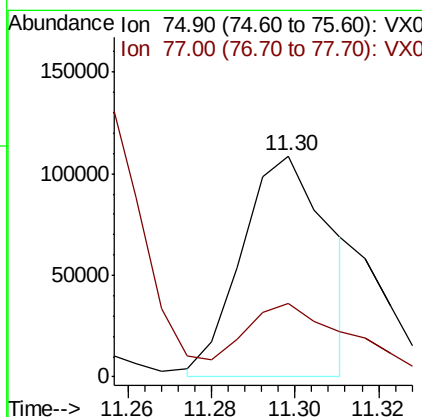
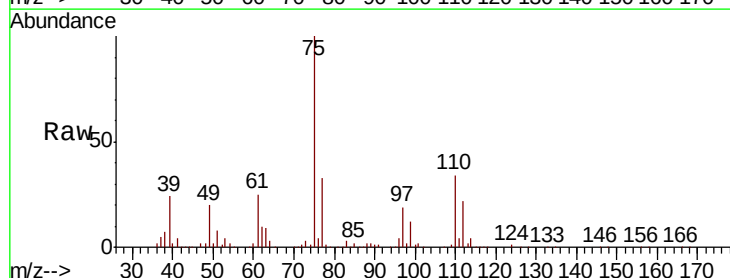
RT: 11.30 min Scan# 1664

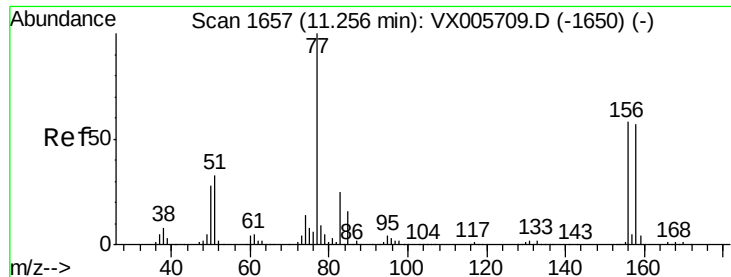
Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Tgt Ion:	75	Resp:	157229
Ion Ratio	Lower	Upper	
75	100		
77	39.7	20.5	61.6





#77

Bromobenzene

Concen: 52.506 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 105938

Ion Ratio Lower Upper

156 100

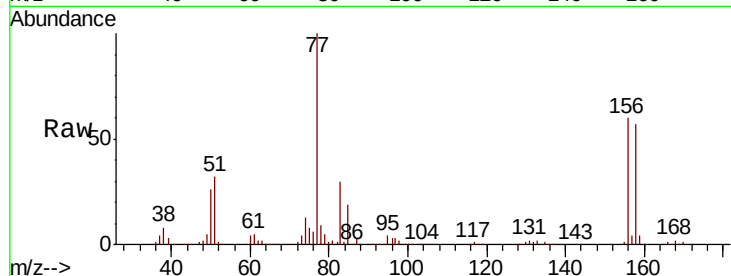
77 173.4 74.8 224.4

158 96.5 49.1 147.3

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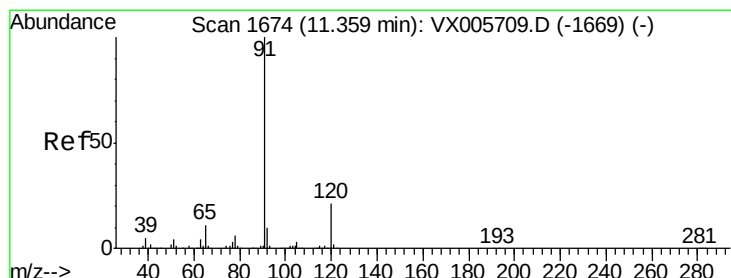
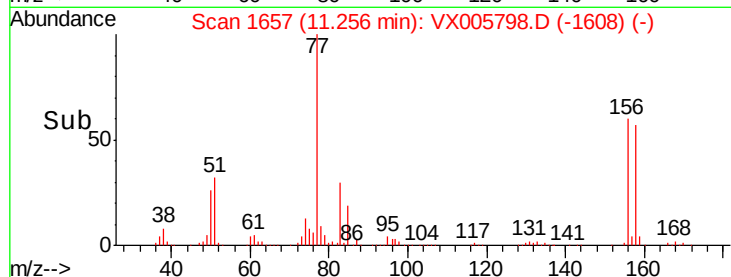
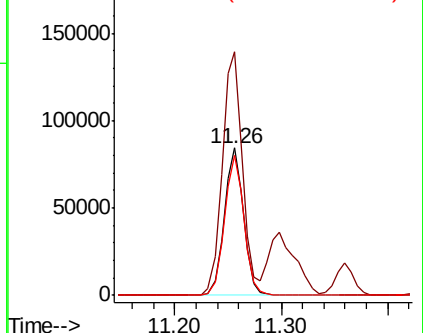
11/7/2018 11:02:29 AM



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: 55.014 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005798.D

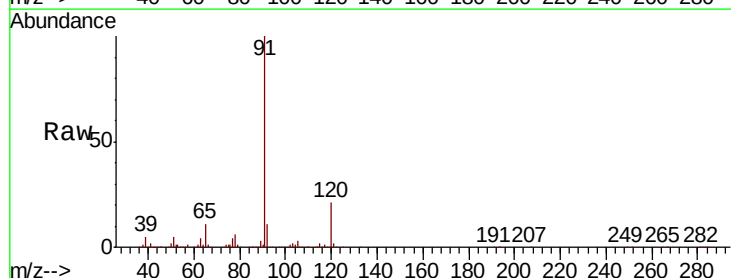
Acq: 06 Nov 2018 10:15

Tgt Ion: 91 Resp: 544339

Ion Ratio Lower Upper

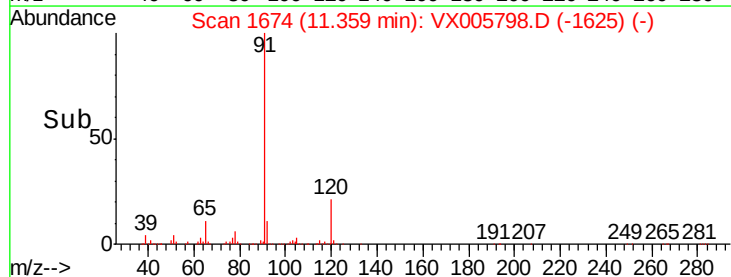
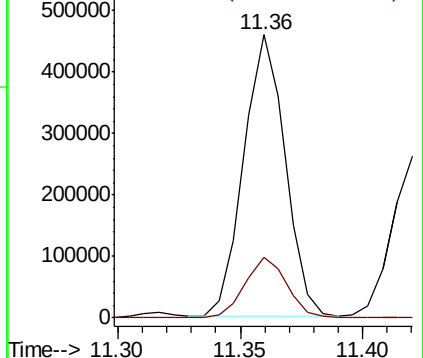
91 100

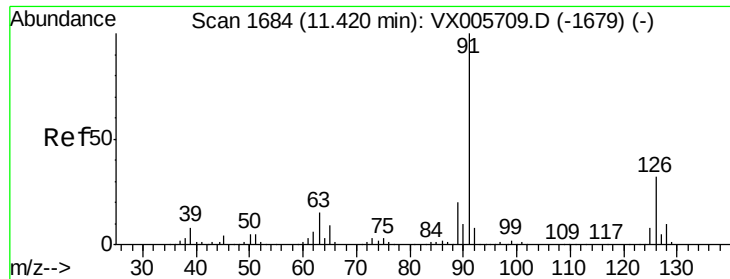
120 21.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.289 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 314917

Ion Ratio Lower Upper

91 100

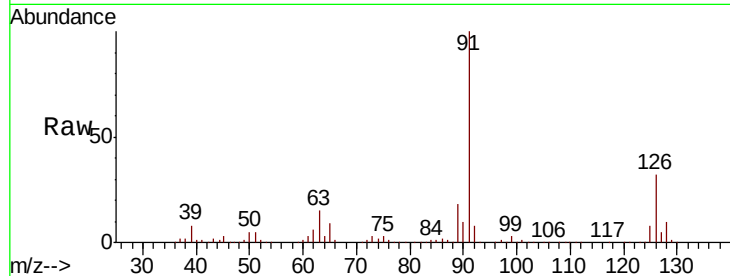
126 32.1 17.3 52.0

Manual Integrations

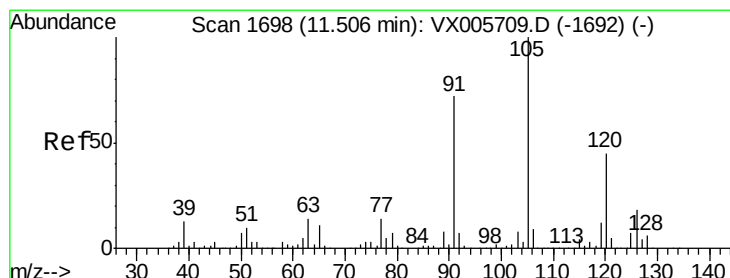
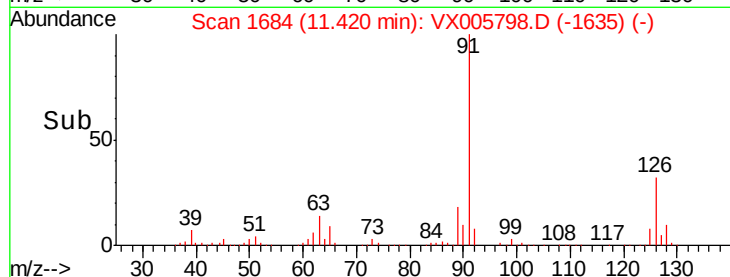
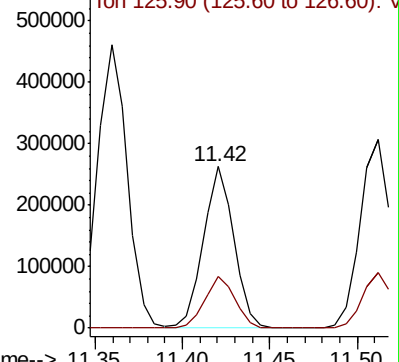
APPROVED

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11/7/2018 11:02:29 AM



Abundance Ion 91.00 (90.70 to 91.70): VX005709.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.149 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005798.D

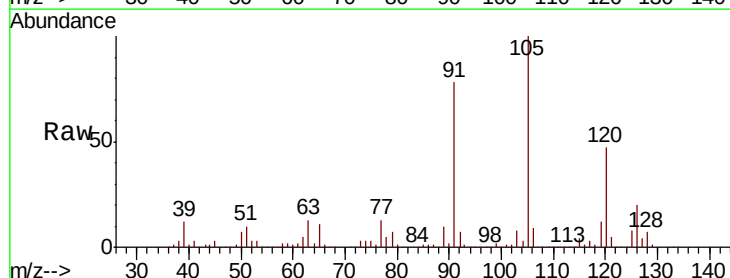
Acq: 06 Nov 2018 10:15

Tgt Ion: 105 Resp: 380862

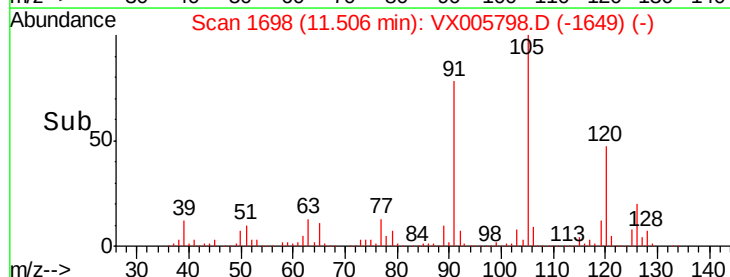
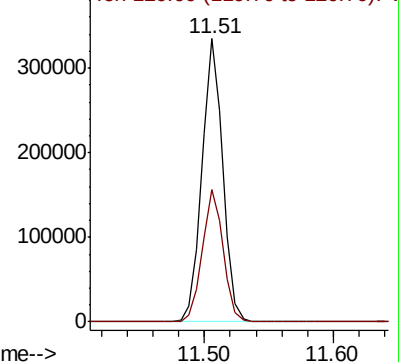
Ion Ratio Lower Upper

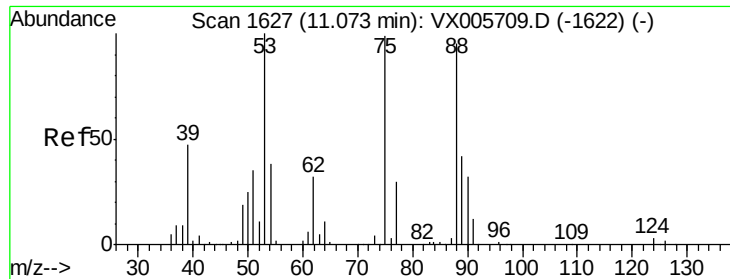
105 100

120 47.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005709.D (-1692) (-)





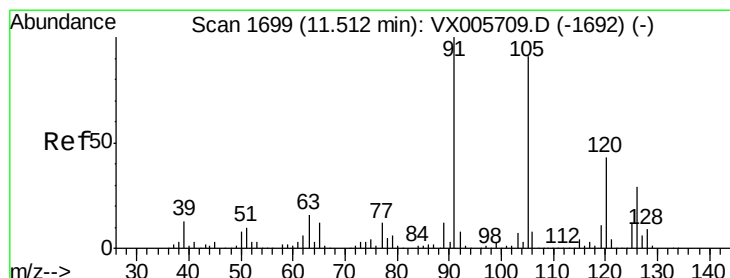
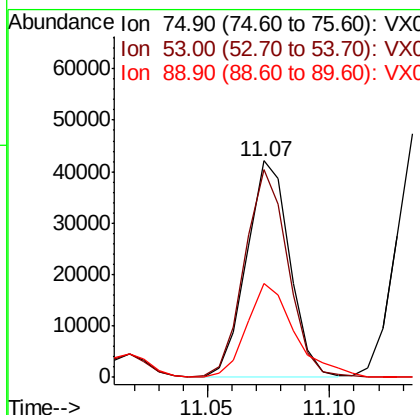
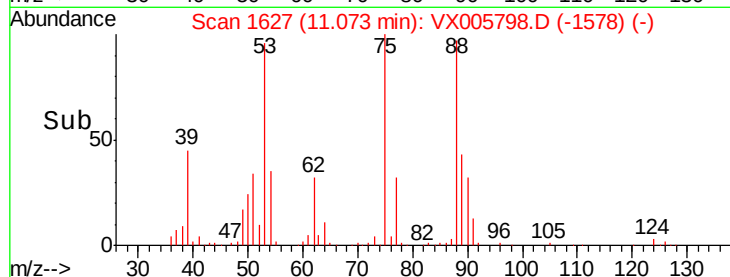
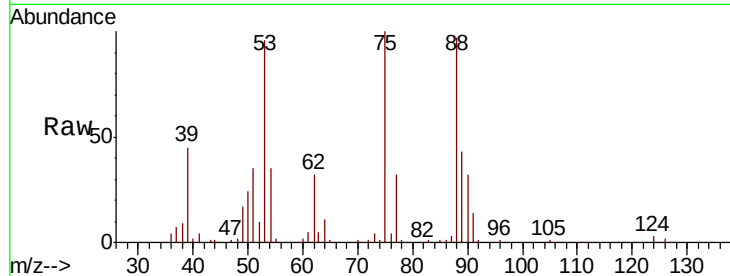
#81
trans-1,4-Dichloro-2-butene
Concen: 54.210 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.7	80.2	120.2
89	48.5	39.8	59.8

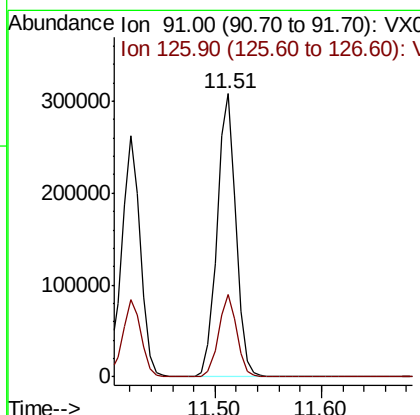
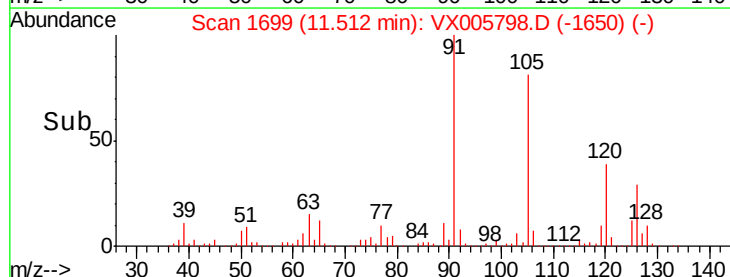
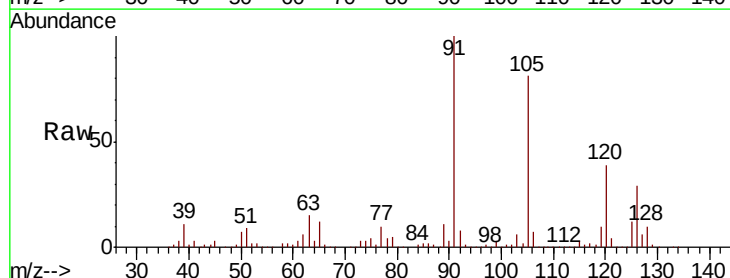
Manual Integrations
APPROVED

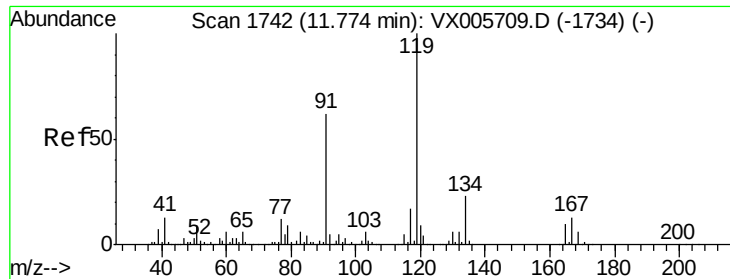
MMDadoda
11/7/2018 11:02:29 AM



#82
4-Chlorotoluene
Concen: 53.408 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	15.2	45.6





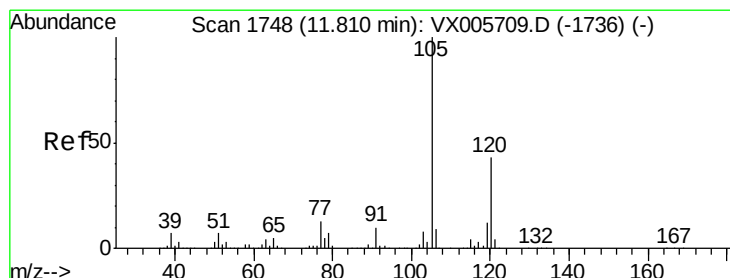
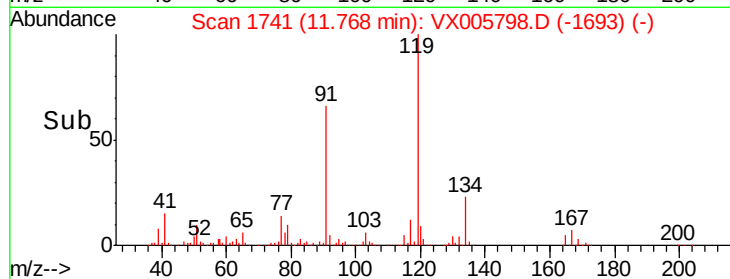
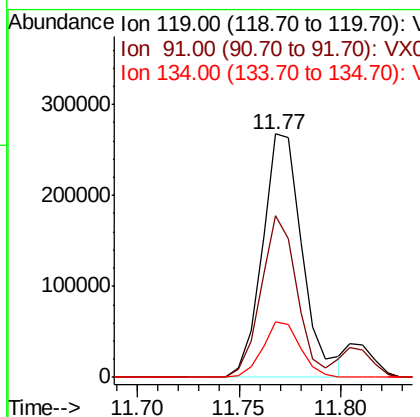
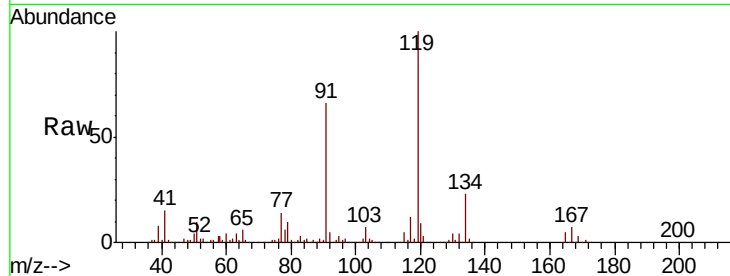
#83
 tert-Butylbenzene
 Concen: 55.357 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	364766		
91	59.6	28.5	85.5	
134	21.7	11.3	33.8	

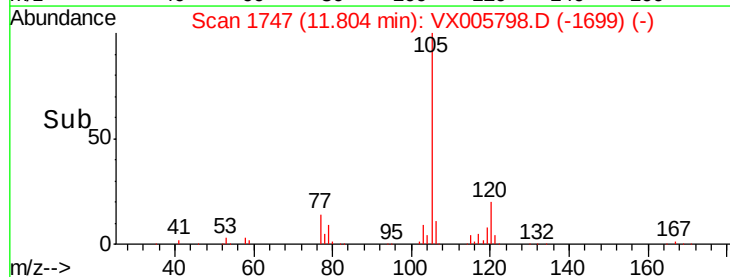
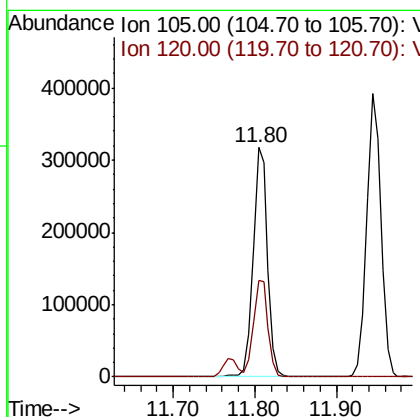
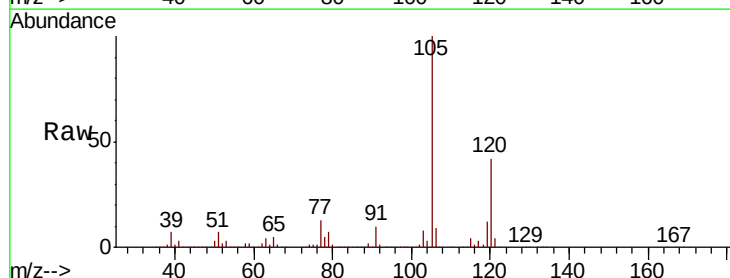
Manual Integrations
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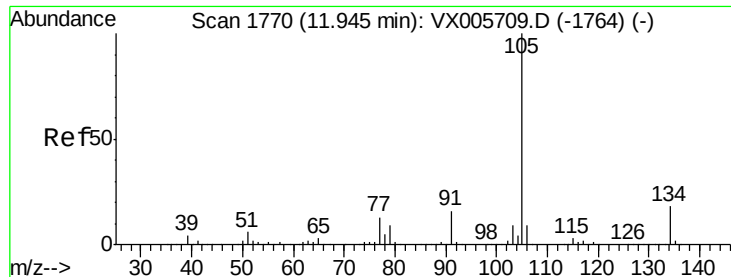
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.135 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	391470		
120	43.0	22.4	67.0	





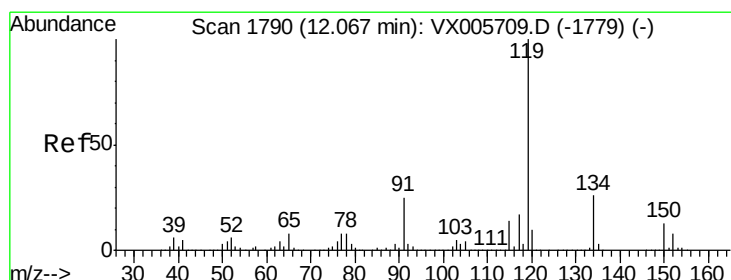
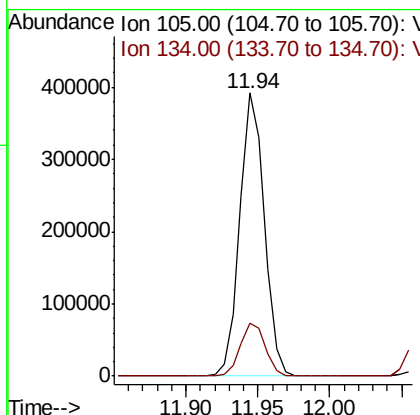
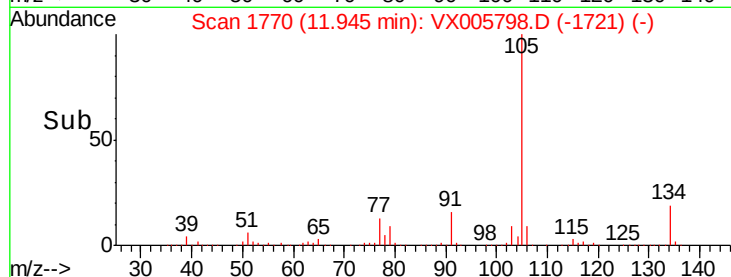
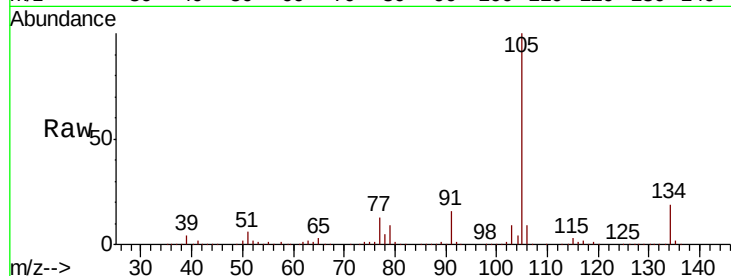
#85
 sec-Butylbenzene
 Concen: 54.999 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	10.2	30.4

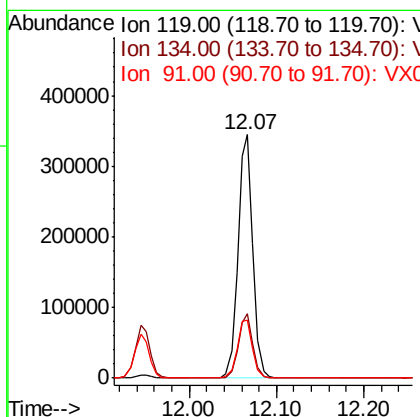
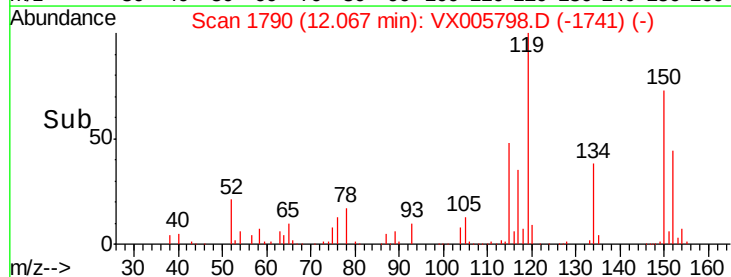
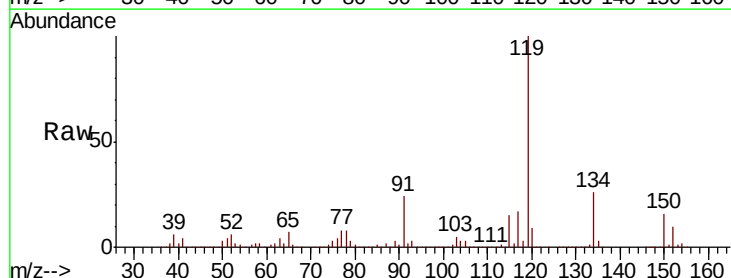
Manual Integrations
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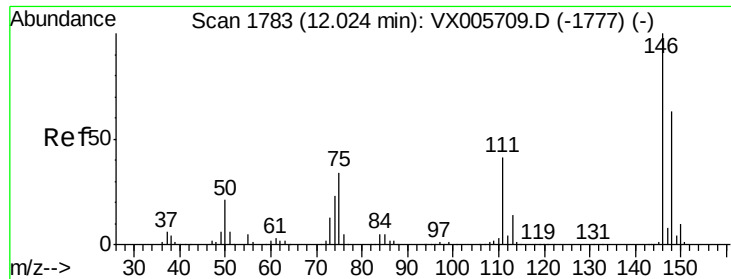
MMDadoda
 11/7/2018 11:02:29 AM



#86
 p-Isopropyltoluene
 Concen: 56.587 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	24.5	11.4	34.2





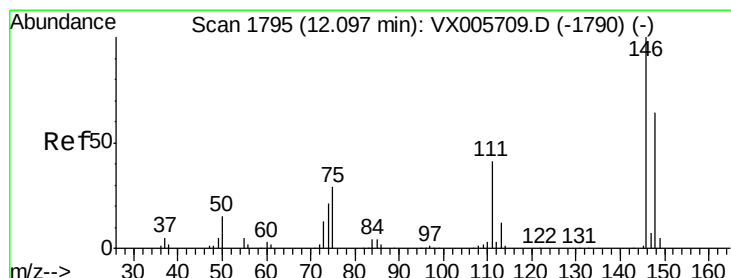
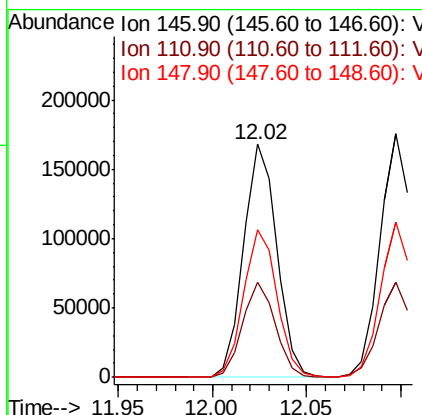
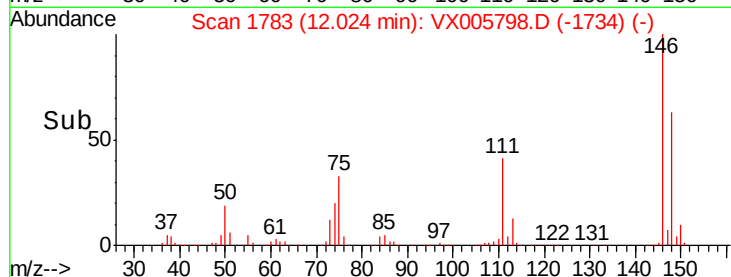
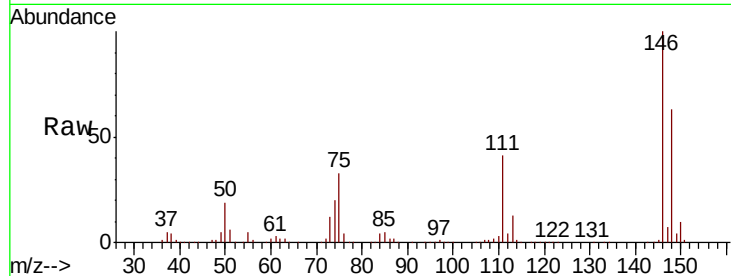
#87
 1,3-Dichlorobenzene
 Concen: 52.907 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.0	57.0
148	63.7	31.9	95.9

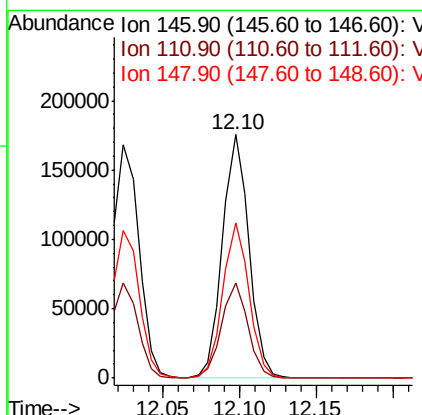
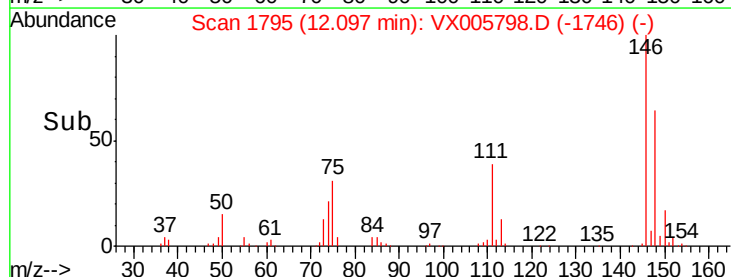
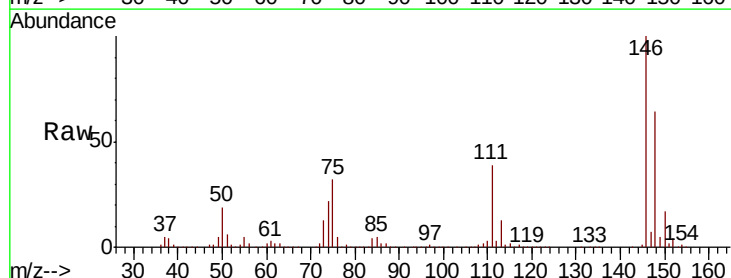
Manual Integrations
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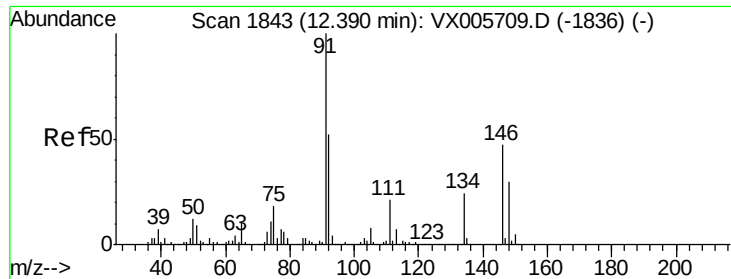
MMDadoda
 11/7/2018 11:02:29 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.334 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.6	55.8
148	63.1	32.1	96.3





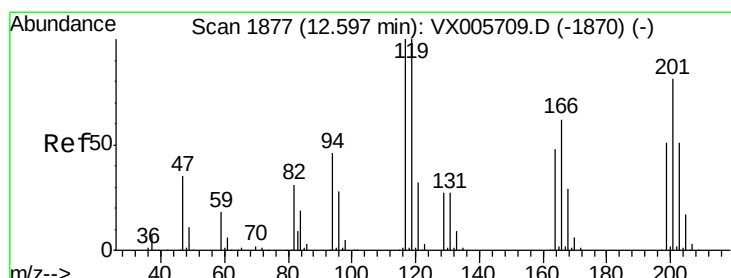
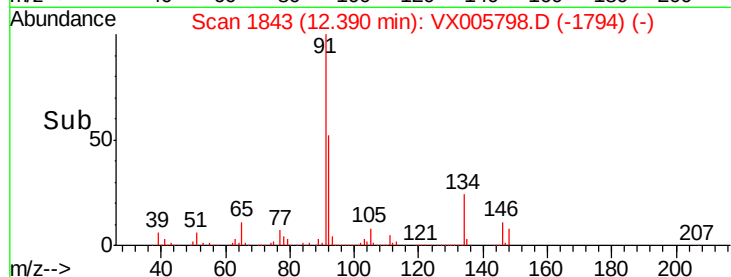
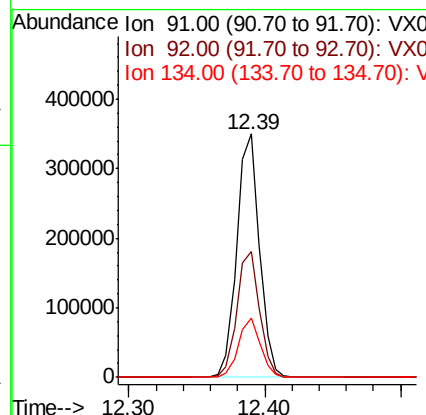
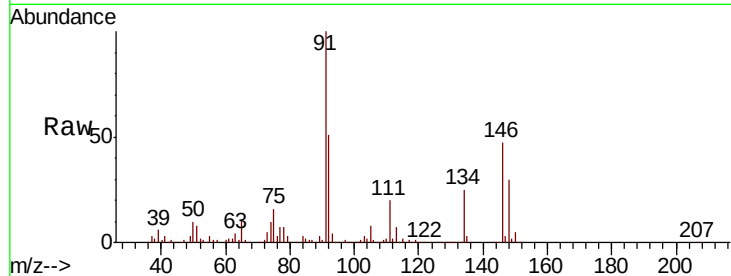
#89
n-Butylbenzene
Concen: 55.700 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	23.6	13.1	39.3

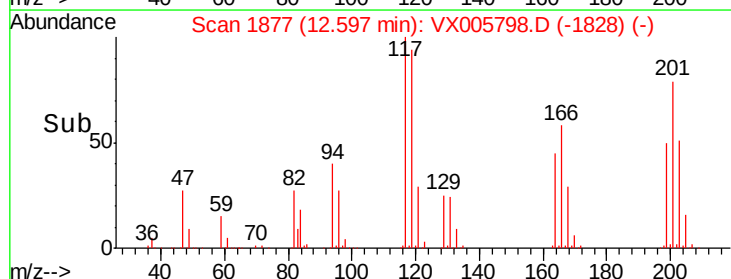
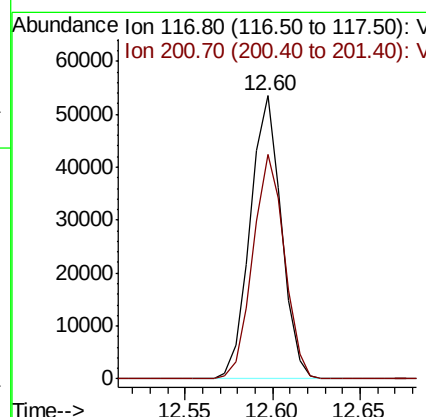
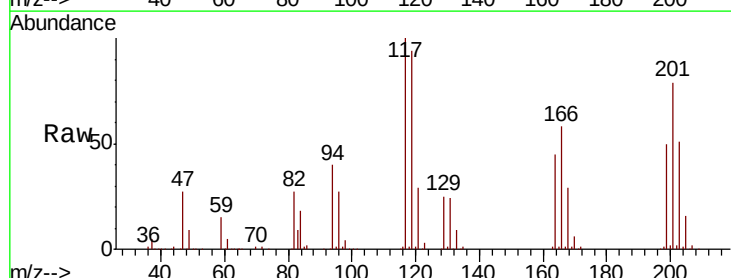
Manual Integrations
APPROVED

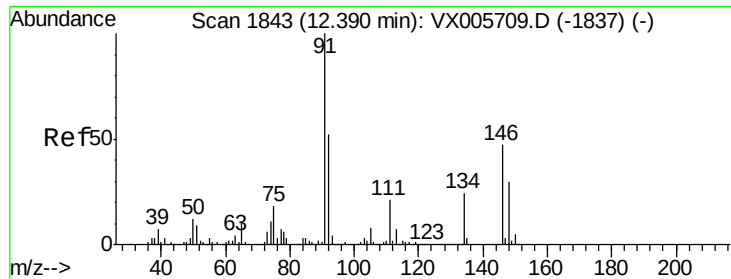
MMDadoda
11/7/2018 11:02:29 AM



#90
Hexachloroethane
Concen: 51.960 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005798.D
Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	47.9	143.6





#91

1,2-Dichlorobenzene

Concen: 50.582 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

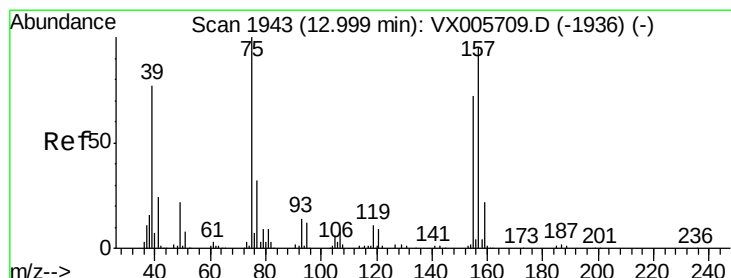
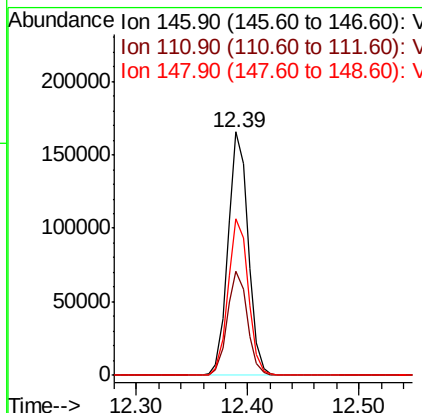
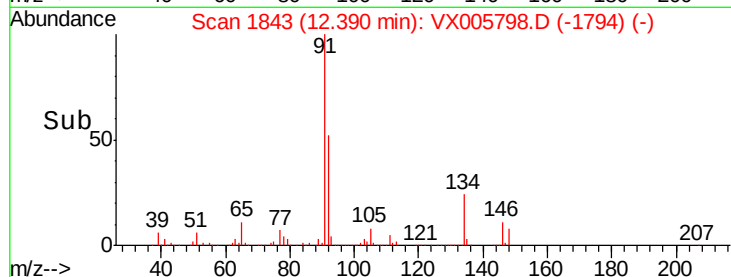
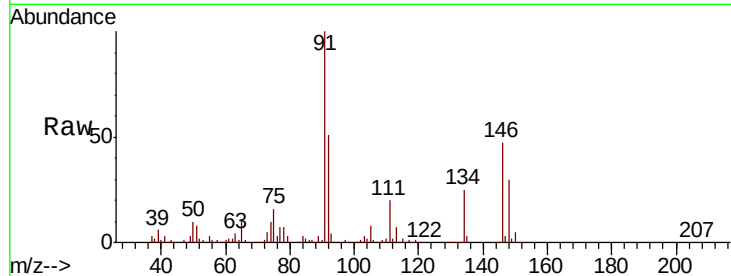
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	206159
Ion Ratio	Lower	Upper	
146	100		
111	42.4	20.0	59.9
148	64.5	32.2	96.6

Manual Integrations
APPROVED

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11/7/2018 11:02:29 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.061 ug/l

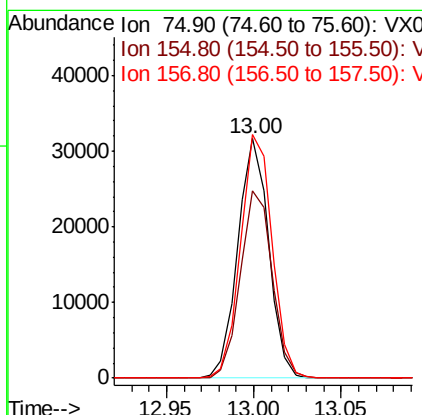
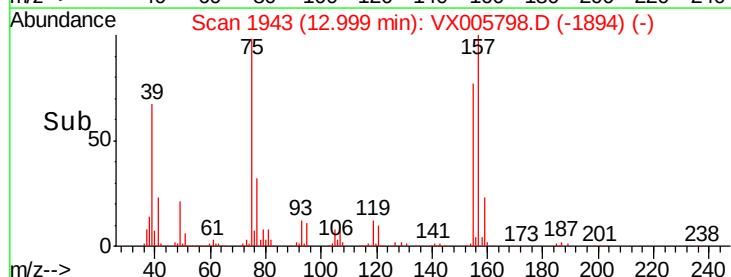
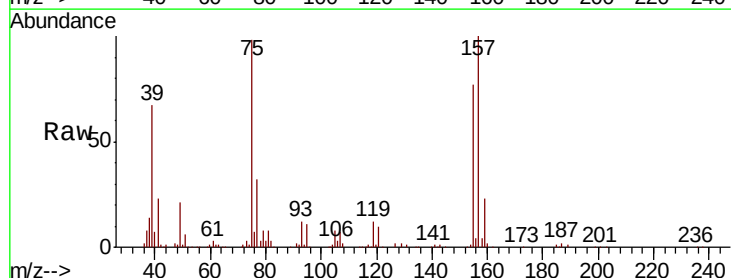
RT: 13.00 min Scan# 1943

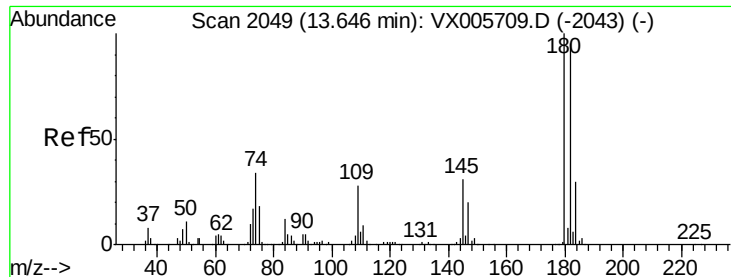
Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Tgt Ion:	75	Resp:	38829
Ion Ratio	Lower	Upper	
75	100		
155	80.7	45.4	136.1
157	104.1	57.4	172.0





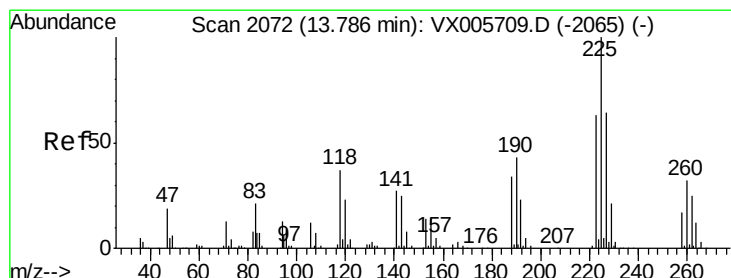
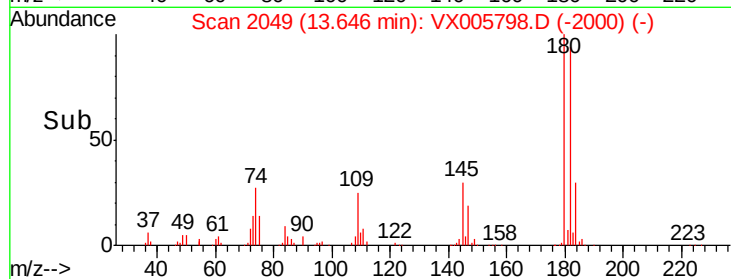
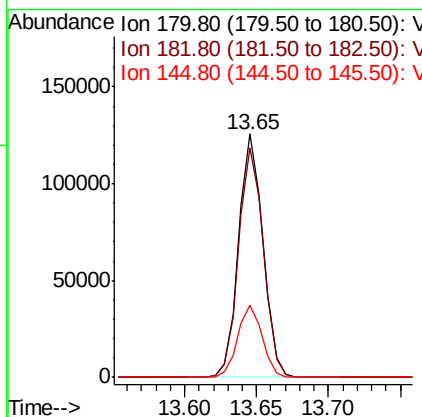
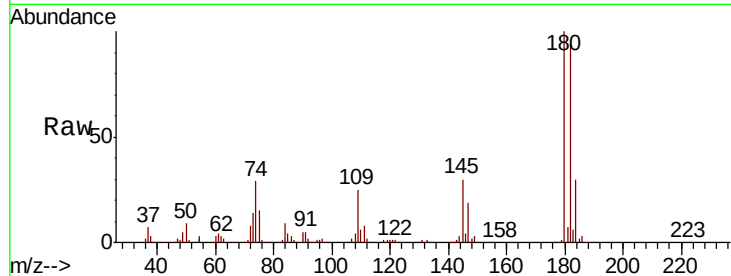
#93
 1,2,4-Trichlorobenzene
 Concen: 56.388 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147400		
182	96.3	47.6	142.8	
145	30.1	14.1	42.2	

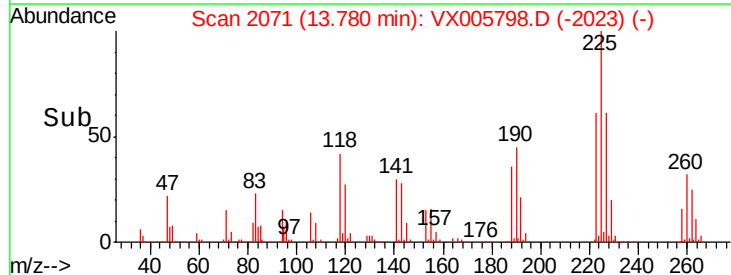
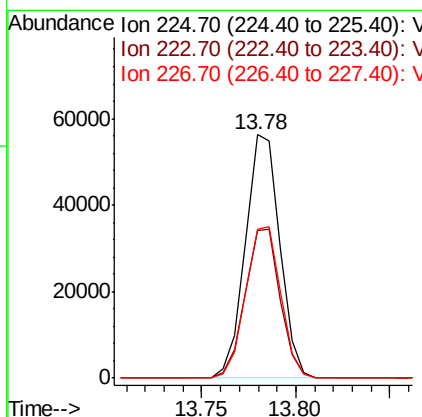
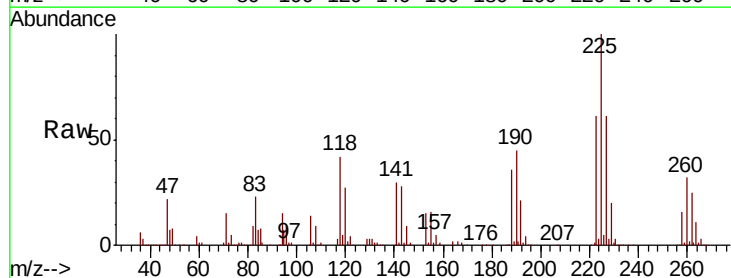
Manual Integrations
 APPROVED

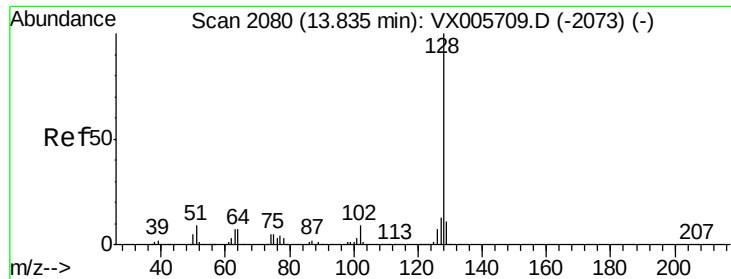
MMDadoda
 11/7/2018 11:02:29 AM



#94
 Hexachlorobutadiene
 Concen: 56.610 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005798.D
 Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71589		
223	62.0	31.7	95.1	
227	63.1	32.3	96.9	





#95

Naphthalene

Concen: 57.409 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Instrument :

MSVOA_X

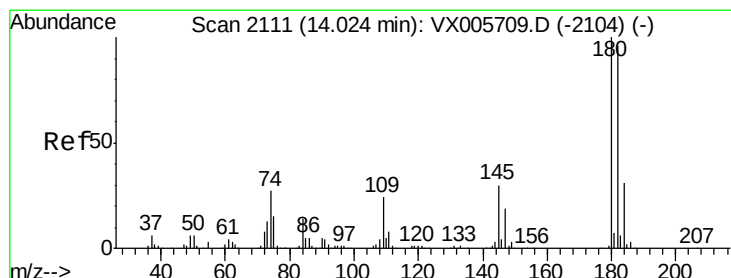
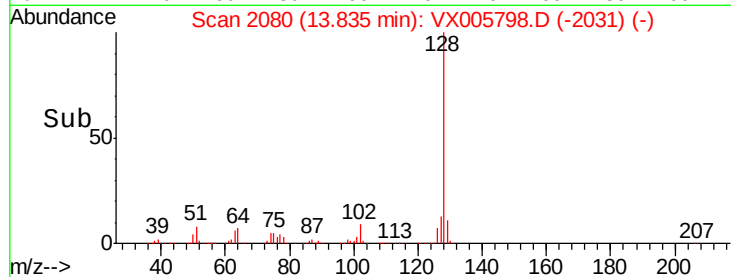
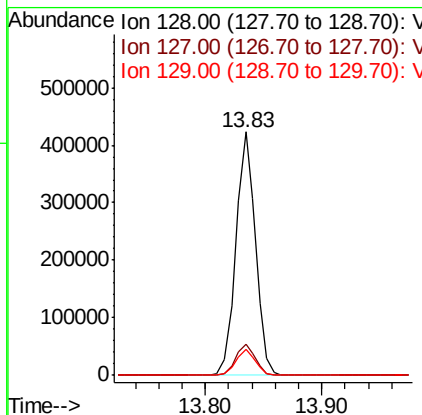
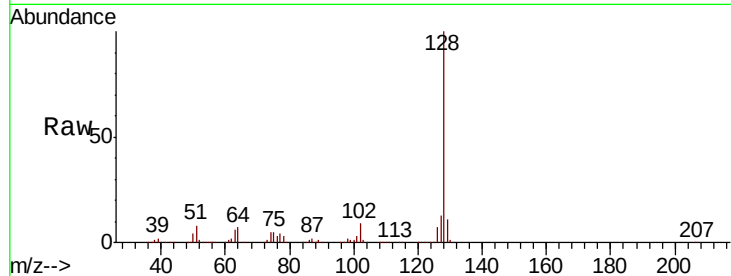
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/7/2018 11:02:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 56.248 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005798.D

Acq: 06 Nov 2018 10:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	30.8	15.1	45.3

