

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005744.D
 Acq On : 02 Nov 2018 09:37
 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
 11/5/2018 3:09:29 PM

Quant Time: Nov 03 00:46:19 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	5.66	168	161413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	243925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	215939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	114604	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	5.50	113	86782	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	8.72	98	317555	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	11.14	95	116484	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	97090	52.068	ug/l	93
3) Chloromethane	1.32	50	100258	45.584	ug/l	98
4) Vinyl Chloride	1.41	62	108026	47.208	ug/l	98
5) Bromomethane	1.64	94	110266	38.834	ug/l	96
6) Chloroethane	1.71	64	68000	46.395	ug/l	94
7) Trichlorofluoromethane	1.92	101	141939	48.325	ug/l	94
8) Diethyl Ether	2.19	74	57814	43.791	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	84956	47.618	ug/l	93
10) Methyl Iodide	2.51	142	89519	51.489	ug/l	99
11) Tert butyl alcohol	3.07	59	145086	226.386	ug/l	98
12) 1,1-Dichloroethene	2.37	96	82599	47.511	ug/l	87
13) Acrolein	2.29	56	72675	162.950	ug/l	93
14) Allyl chloride	2.72	41	168213	46.793	ug/l	96
15) Acrylonitrile	3.15	53	324456	230.228	ug/l	99
16) Acetone	2.45	43	304622	251.083	ug/l	98
17) Carbon Disulfide	2.57	76	245045	45.869	ug/l	99
18) Methyl Acetate	2.78	43	158533	46.809	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	290921	48.344	ug/l	100
20) Methylene Chloride	2.85	84	91859	45.139	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	82896	45.062	ug/l	92
22) Diisopropyl ether	3.87	45	315785	47.355	ug/l	94
23) Vinyl Acetate	3.82	43	1389851	239.287	ug/l	99
24) 1,1-Dichloroethane	3.70	63	167148	44.328	ug/l	99
25) 2-Butanone	4.70	43	462266	232.213	ug/l	99
26) 2,2-Dichloropropane	4.58	77	134602	47.753	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	92137	44.573	ug/l	94
28) Bromochloromethane	5.02	49	82610	44.906	ug/l	93
29) Tetrahydrofuran	5.15	42	290741	239.283	ug/l	96
30) Chloroform	5.21	83	167080	45.321	ug/l	91
31) Cyclohexane	5.57	56	151608	48.081	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	139082	47.139	ug/l	95
36) 1,1-Dichloropropene	5.79	75	124455	47.889	ug/l	99
37) Ethyl Acetate	4.85	43	159252	48.032	ug/l	98
38) Carbon Tetrachloride	5.77	117	117427	50.012	ug/l	97

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 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)
39) Methylcyclohexane	7.46	83	150125	55.389	ug/l	98
40) Benzene	6.14	78	371913	48.103	ug/l #	89
41) Methacrylonitrile	5.06	41	85696	47.835	ug/l	96
42) 1,2-Dichloroethane	6.20	62	138233	48.370	ug/l	100
43) Isopropyl Acetate	6.46	43	242723	50.438	ug/l	97
44) Trichloroethene	7.21	130	87658	49.022	ug/l	90
45) 1,2-Dichloropropane	7.52	63	101219	51.087	ug/l	93
46) Dibromomethane	7.66	93	64063	50.594	ug/l #	85
47) Bromodichloromethane	7.90	83	120439	50.709	ug/l	94
48) Methyl methacrylate	7.78	41	127888	54.908	ug/l	98
49) 1,4-Dioxane	7.76	88	54934	1059.192	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	819251	249.672	ug/l	93
52) Toluene	8.79	92	214809	51.366	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	135704	52.722	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	142333	51.613	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	94225	51.882	ug/l	97
56) Ethyl methacrylate	9.18	69	154006	49.958	ug/l	98
57) 1,3-Dichloropropane	9.37	76	165637	53.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	468249	266.704	ug/l	96
59) 2-Hexanone	9.50	43	700627	262.374	ug/l	99
60) Dibromochloromethane	9.58	129	97323	55.456	ug/l	100
61) 1,2-Dibromoethane	9.67	107	96807	52.311	ug/l	99
64) Tetrachloroethene	9.33	164	87335	55.359	ug/l	92
65) Chlorobenzene	10.14	112	227612	49.603	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	80069	50.971	ug/l	98
67) Ethyl Benzene	10.26	91	413513	52.802	ug/l	99
68) m/p-Xylenes	10.36	106	310825	106.812	ug/l	95
69) o-Xylene	10.70	106	147122	52.860	ug/l	96
70) Styrene	10.71	104	253221	54.778	ug/l	98
71) Bromoform	10.86	173	67181	52.783	ug/l #	98
73) Isopropylbenzene	11.02	105	406611	52.570	ug/l	99
74) N-amyl acetate	10.90	43	208861	50.719	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	154754	48.226	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	140653m	48.170	ug/l	
77) Bromobenzene	11.26	156	95952	50.009	ug/l	87
78) n-propylbenzene	11.36	91	500905	53.235	ug/l	97
79) 2-Chlorotoluene	11.42	91	288506	51.338	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	352701	53.705	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	46434	51.379	ug/l	98
82) 4-Chlorotoluene	11.51	91	348343	51.920	ug/l	97
83) tert-Butylbenzene	11.77	119	331826	52.955	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	364025	54.892	ug/l	97
85) sec-Butylbenzene	11.95	105	426016	53.000	ug/l	97
86) p-Isopropyltoluene	12.07	119	370942	54.261	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	185946	50.121	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	189388	47.519	ug/l	98
89) n-Butylbenzene	12.39	91	371780	53.901	ug/l	98
90) Hexachloroethane	12.60	117	60608	49.971	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	190172	49.066	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36988	49.145	ug/l	88

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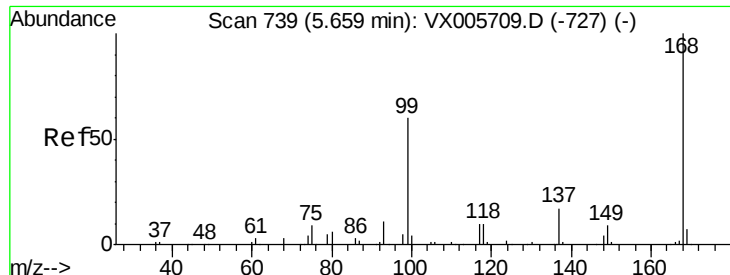
Manual Integrations
APPROVED

MMDadoda
11/5/2018 3:09:29 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	131534	52.913	ug/l	99
94) Hexachlorobutadiene	13.79	225	62865	52.275	ug/l	98
95) Naphthalene	13.83	128	450216	55.071	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	132867	52.502	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 161413

Ion Ratio Lower Upper

168 100

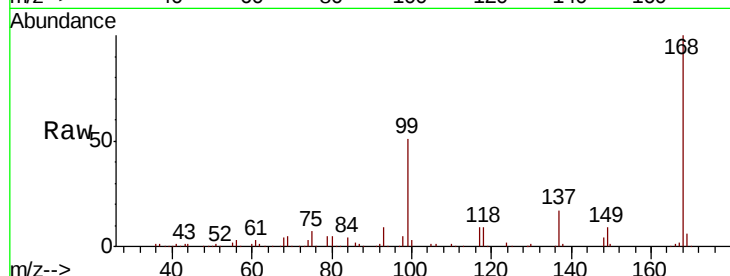
99 50.9 40.7 61.1

Manual Integrations

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11/5/2018 3:09:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

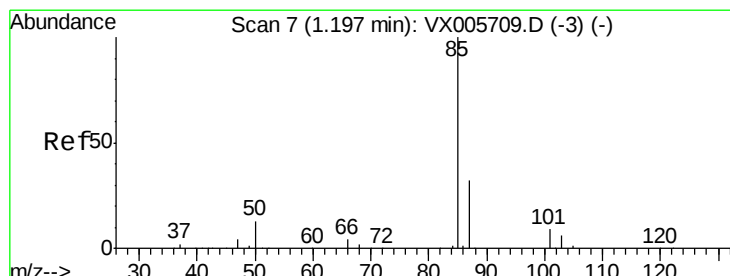
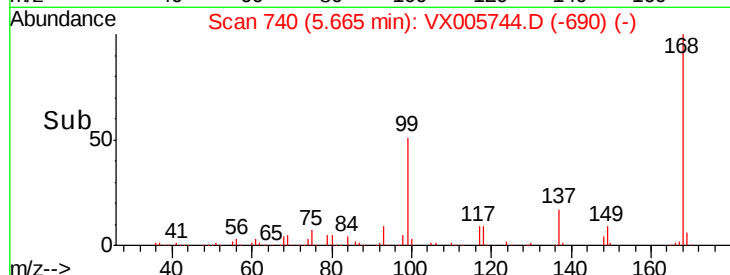
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 52.068 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005744.D

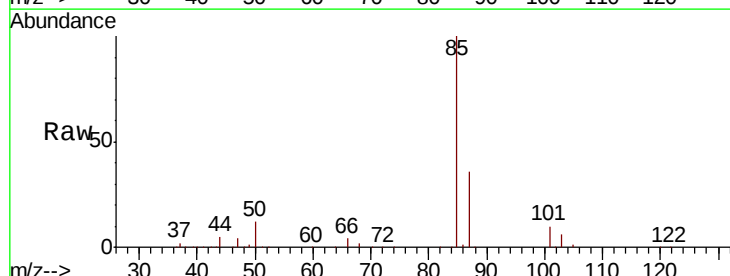
Acq: 02 Nov 2018 09:37

Tgt Ion: 85 Resp: 97090

Ion Ratio Lower Upper

85 100

87 36.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

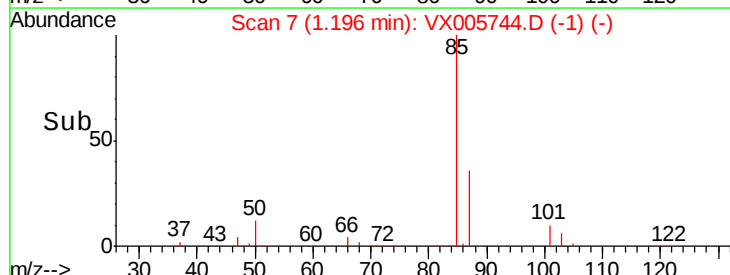
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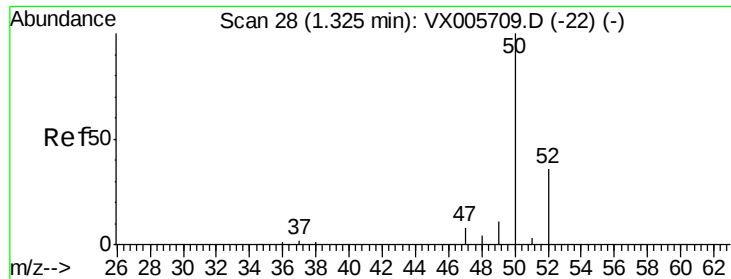
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.584 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 100258

Ion Ratio Lower Upper

50 100

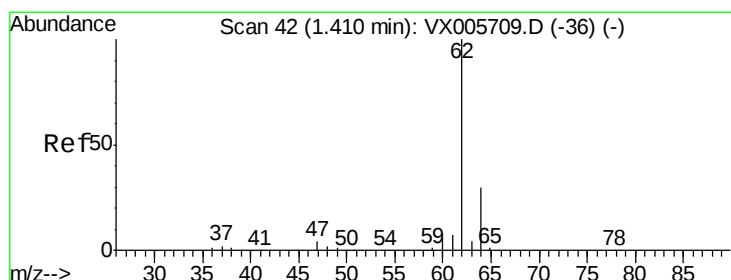
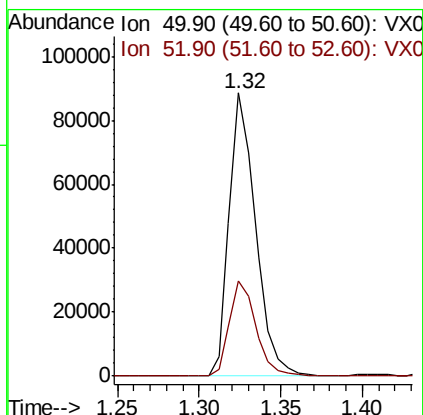
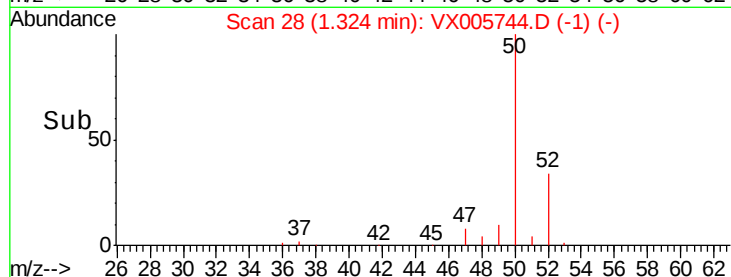
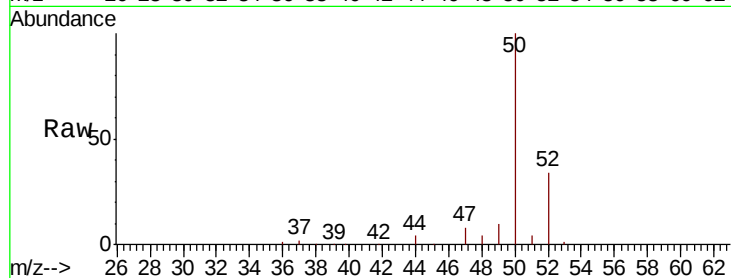
52 33.6 26.2 39.2

Manual Integrations

APPROVED

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11/5/2018 3:09:29 PM



#4

Vinyl Chloride

Concen: 47.208 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX005744.D

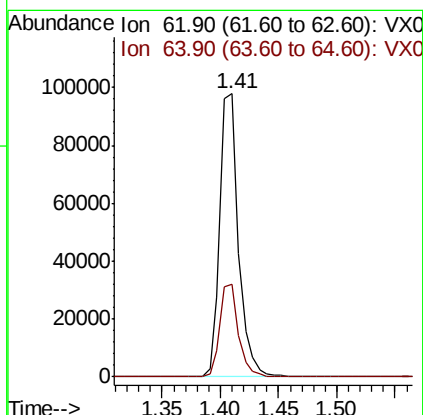
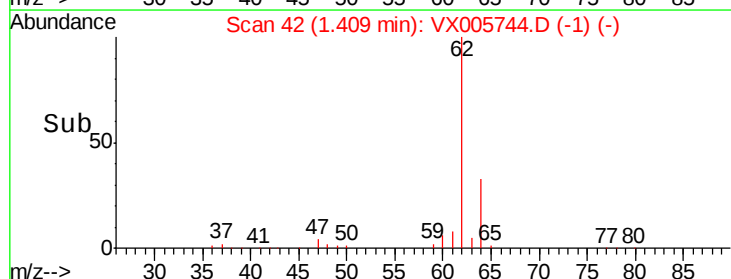
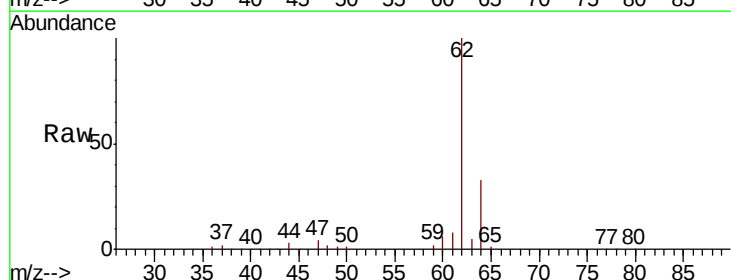
Acq: 02 Nov 2018 09:37

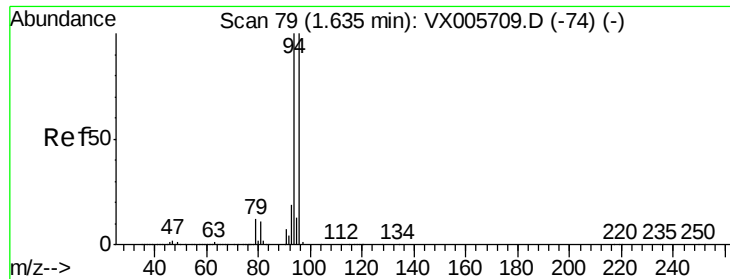
Tgt Ion: 62 Resp: 108026

Ion Ratio Lower Upper

62 100

64 32.7 25.3 37.9





#5

Bromomethane

Concen: 38.834 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 110266

Ion Ratio Lower Upper

94 100

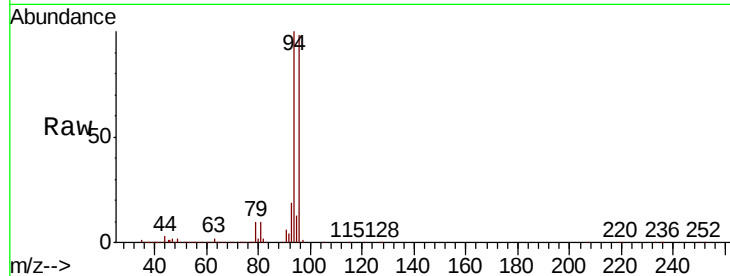
96 98.3 75.2 112.8

Manual Integrations

APPROVED

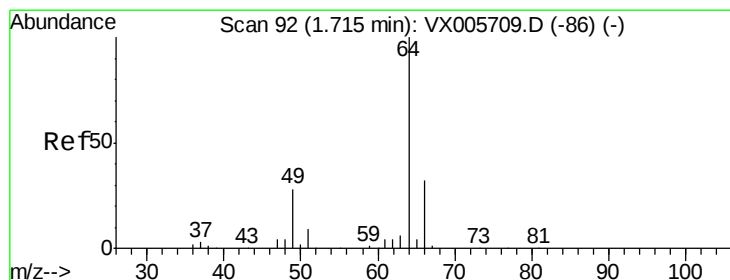
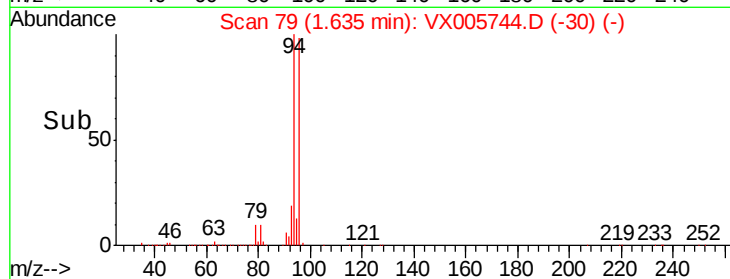
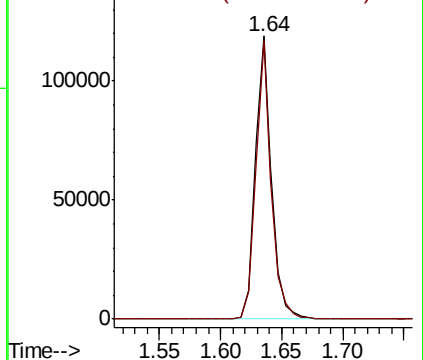
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.395 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005744.D

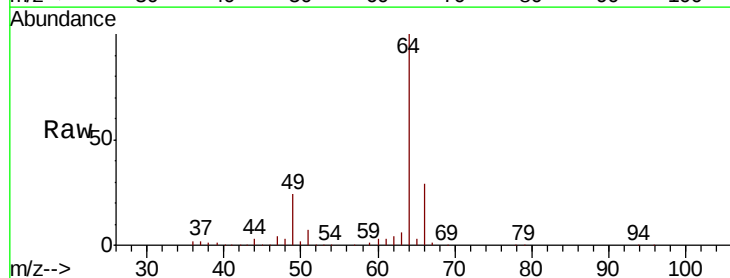
Acq: 02 Nov 2018 09:37

Tgt Ion: 64 Resp: 68000

Ion Ratio Lower Upper

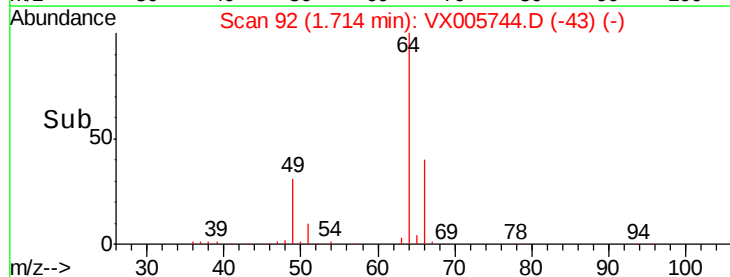
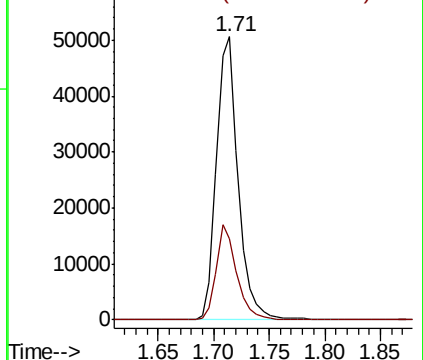
64 100

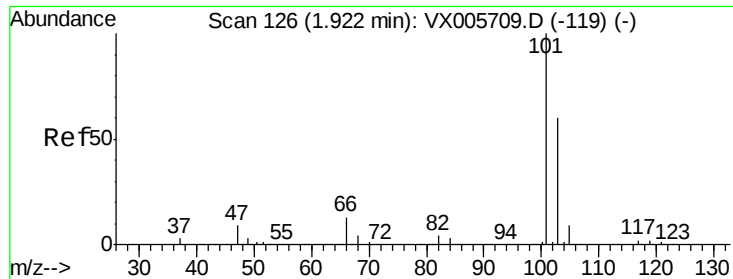
66 28.9 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

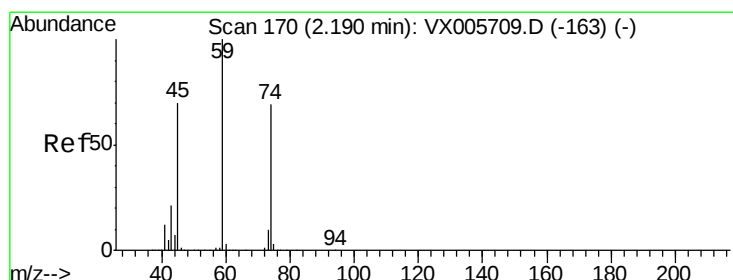
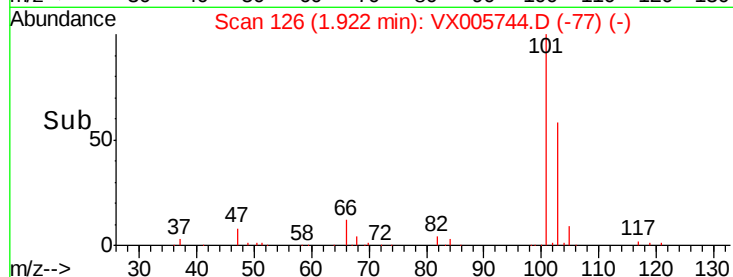
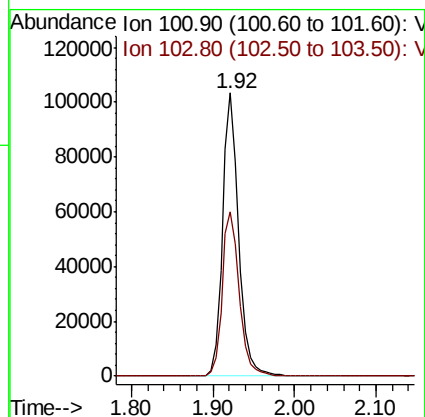
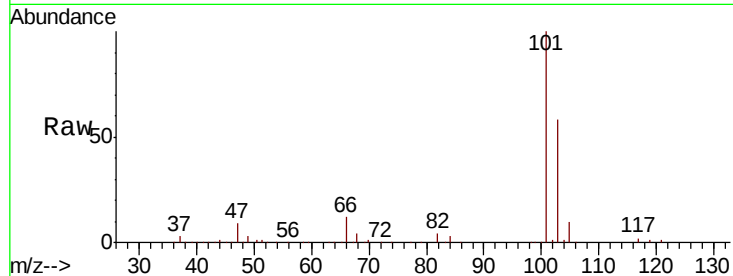
Trichlorofluoromethane
Concen: 48.325 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

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MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 141939
Ion Ratio Lower Upper
101 100
103 58.1 50.0 75.0

Manual Integrations
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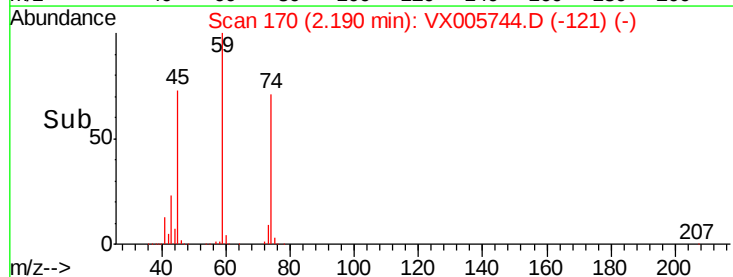
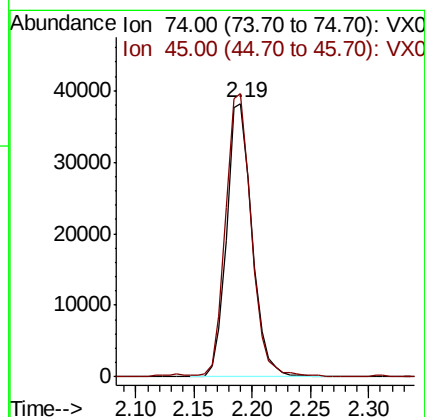
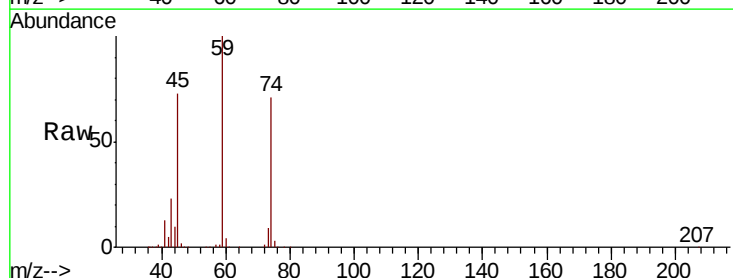
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11/5/2018 3:09:29 PM

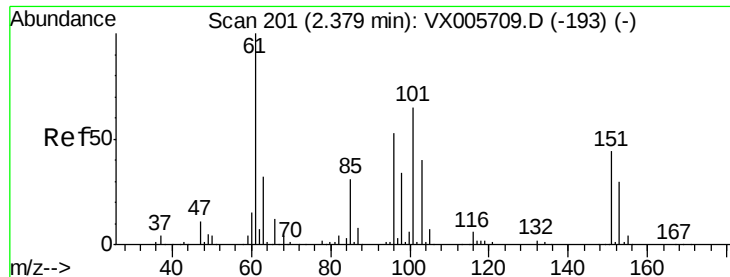


#8

Diethyl Ether
Concen: 43.791 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion: 74 Resp: 57814
Ion Ratio Lower Upper
74 100
45 104.8 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.618 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

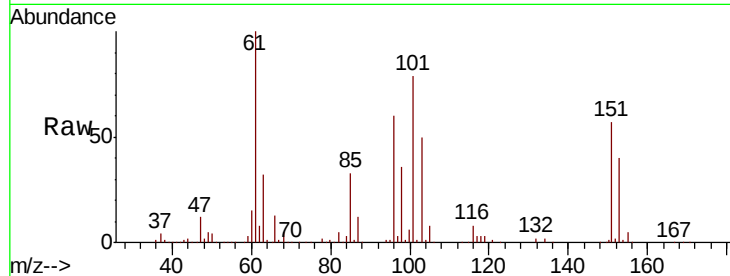
ClientSampleId :

VSTDCCC050

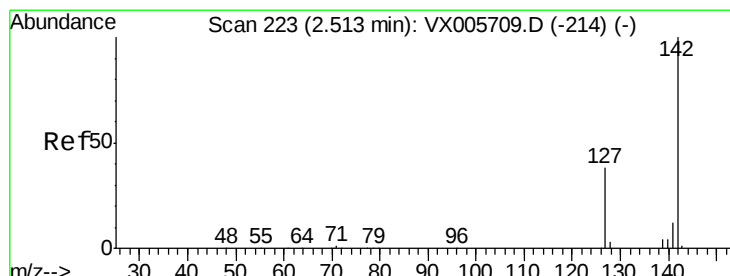
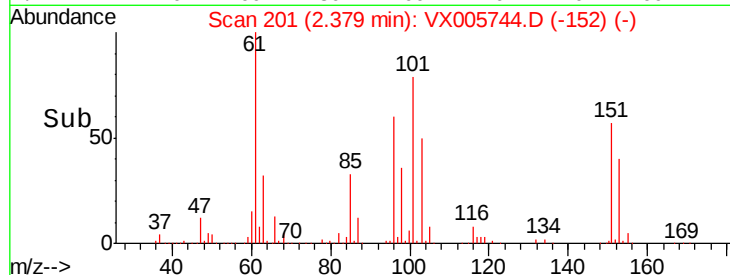
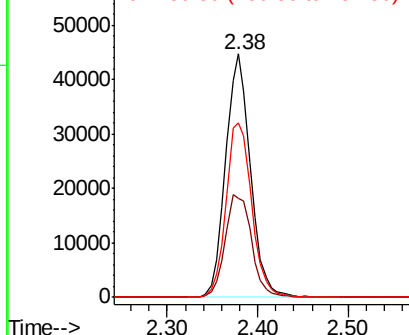
Tot Ion:	101	Resp:	84956
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.0	52.4
151	74.4	66.2	99.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.489 ug/l

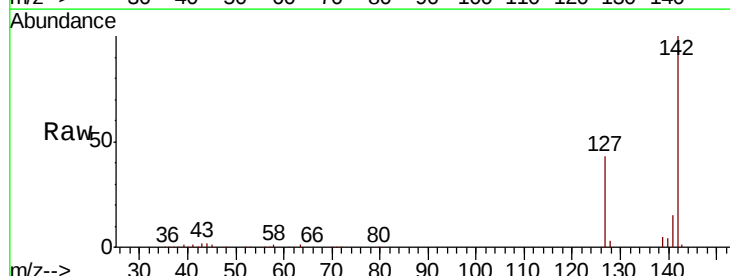
RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

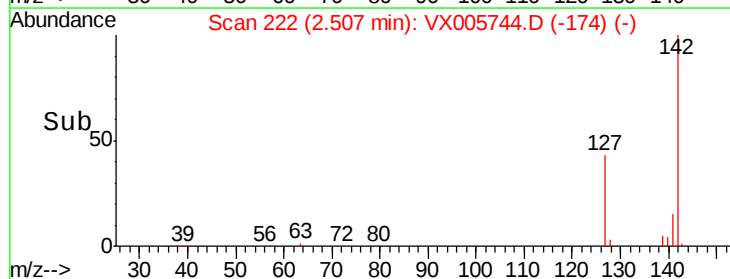
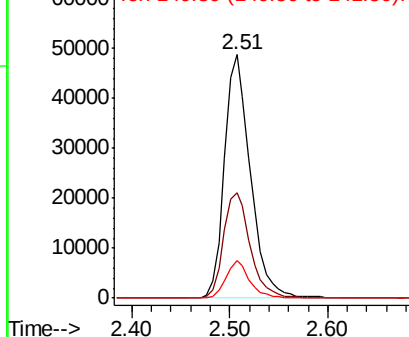
Lab File: VX005744.D

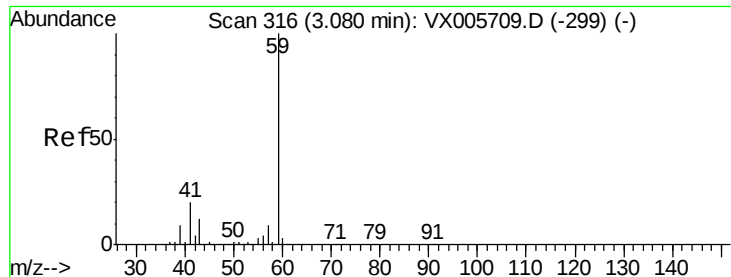
Acq: 02 Nov 2018 09:37

Tgt Ion:	142	Resp:	89519
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.0	54.0
141	14.1	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

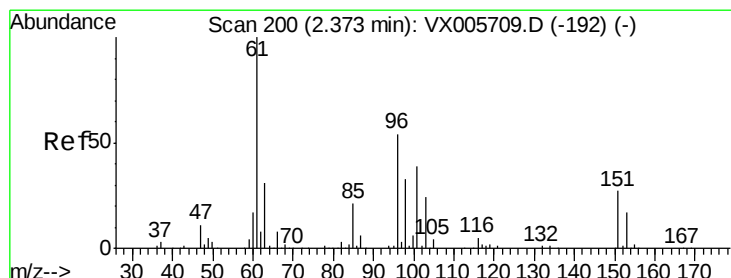
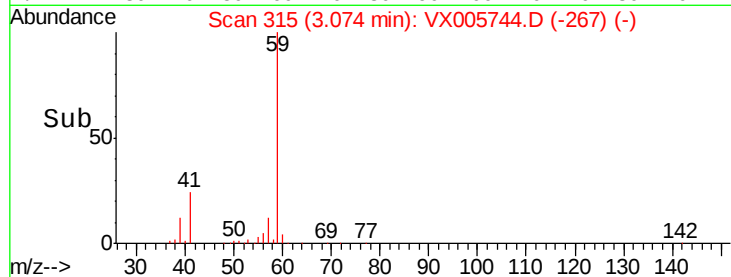
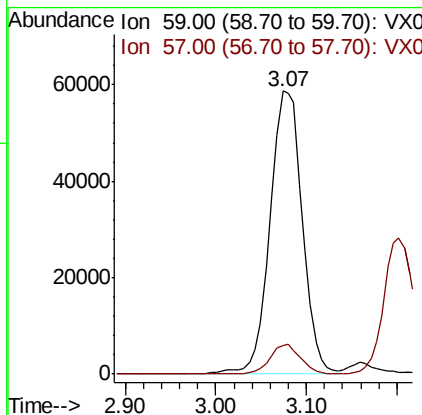
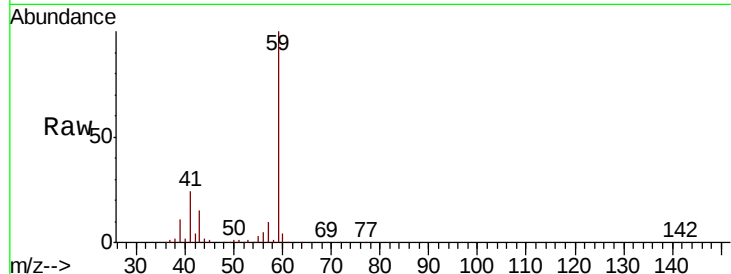
Tert butyl alcohol
Concen: 226.386 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.0	Resp	145086	Lower	Upper
59	100								
57		10.0					8.5	12.7	

Manual Integrations
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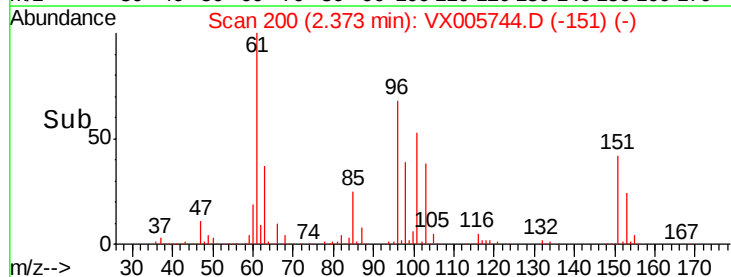
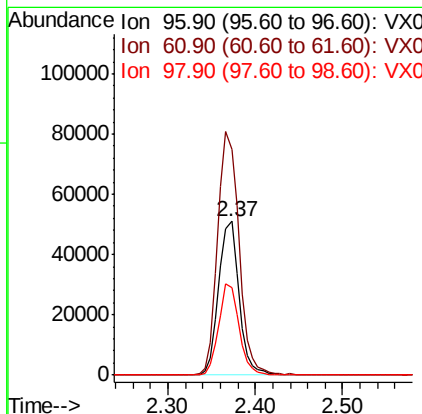
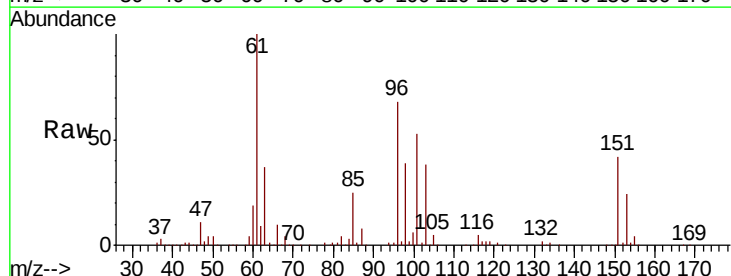
MMDadoda
11/5/2018 3:09:29 PM

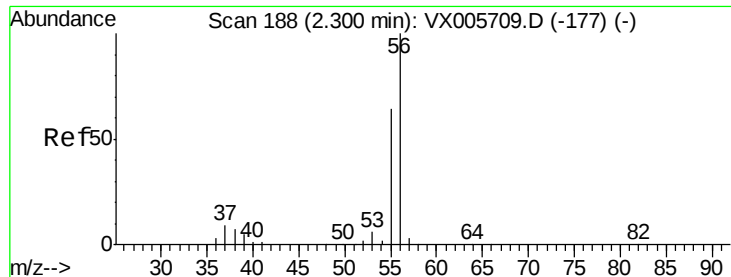


#12

1,1-Dichloroethene
Concen: 47.511 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	96	61	98	Ratio	100	146.8	57.1	Resp	82599	Lower	Upper
96	100										
61		146.8								131.8	197.8
98			57.1							53.4	80.2





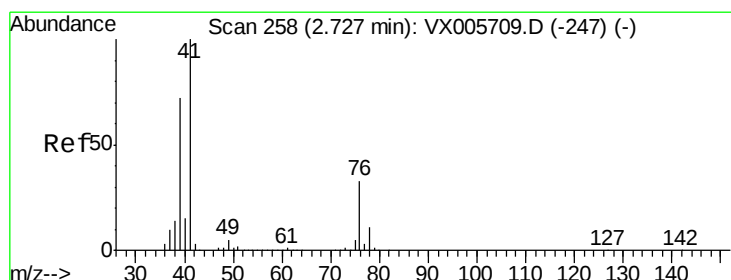
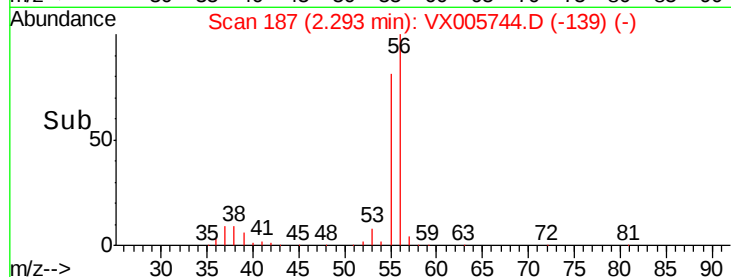
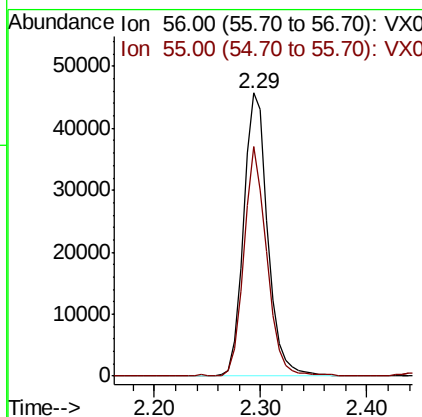
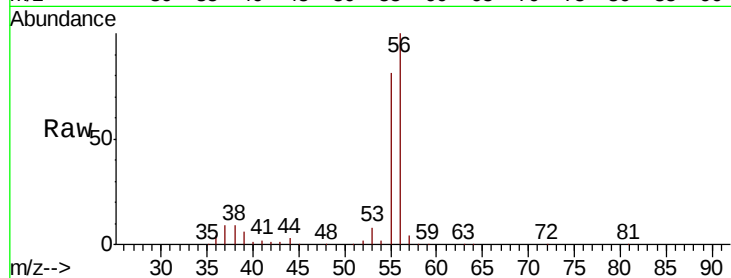
#13
Acrolein
Concen: 162.950 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.2	57.3	85.9

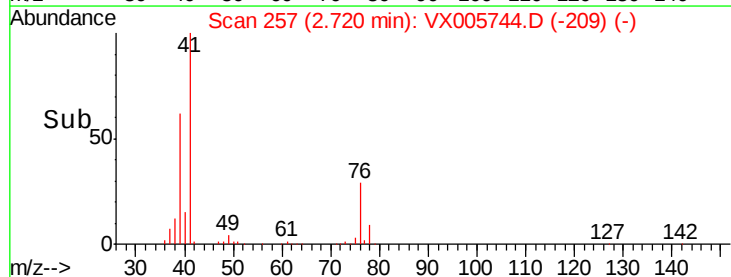
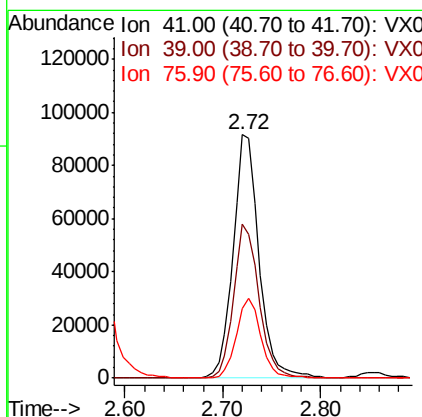
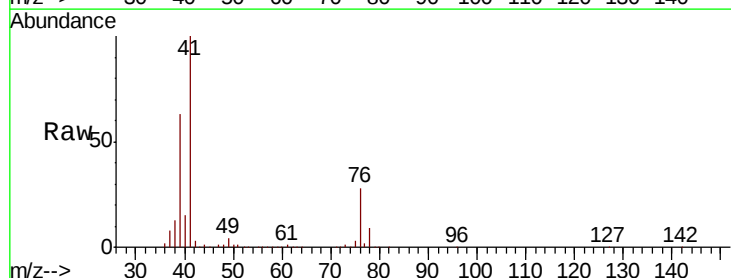
Manual Integrations
APPROVED

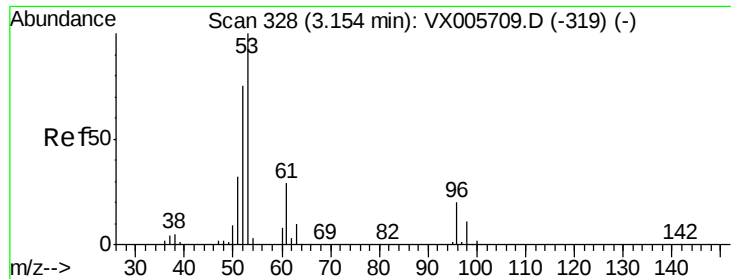
MMDadoda
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#14
Allyl chloride
Concen: 46.793 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.1	48.2	72.4
76	31.3	21.9	32.9





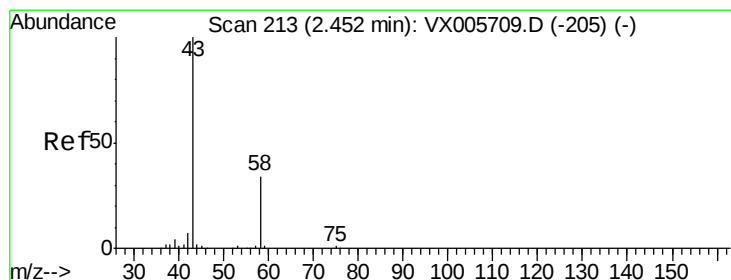
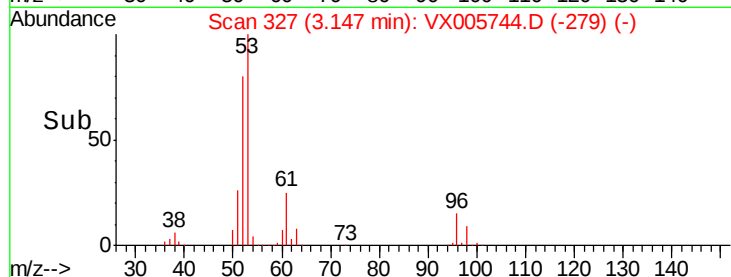
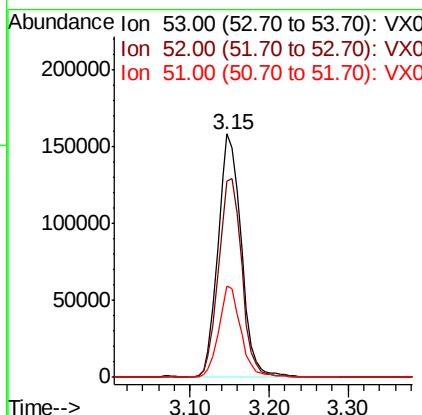
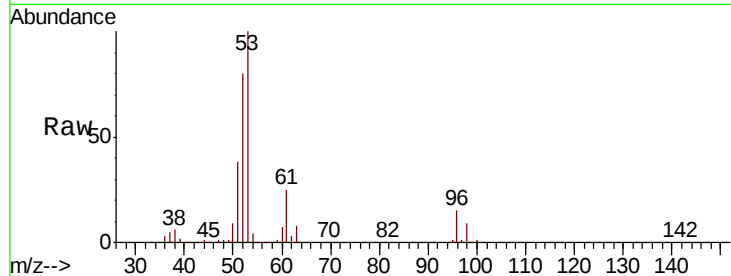
#15
Acrylonitrile
Concen: 230.228 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	53	Resp:	324456
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	99.8
51	35.9	28.4	42.6

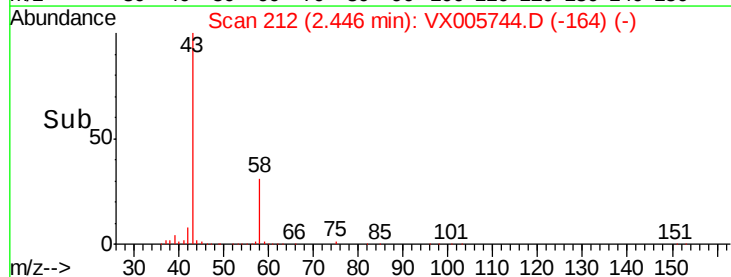
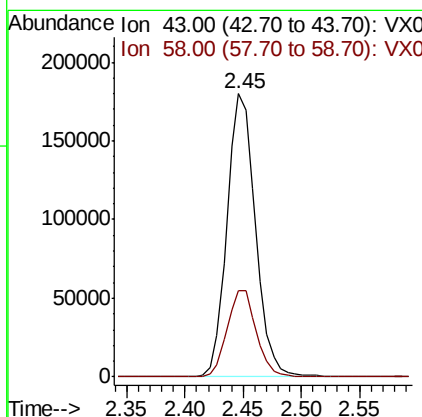
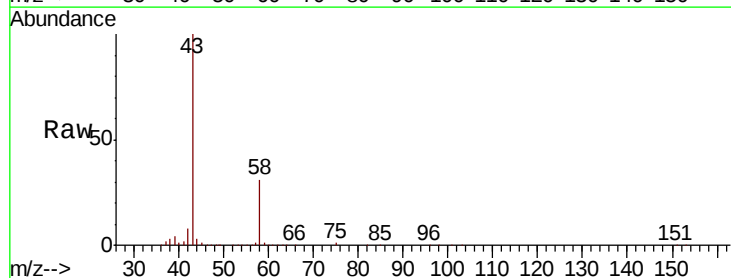
Manual Integrations
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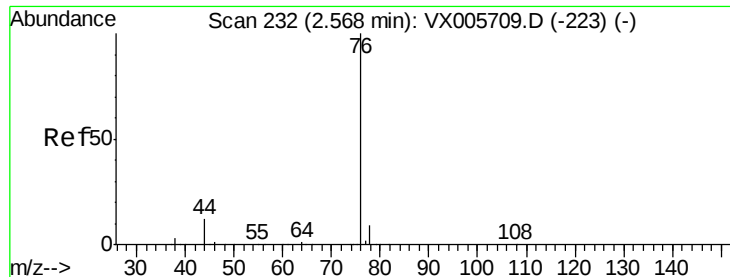
MMDadoda
11/5/2018 3:09:29 PM



#16
Acetone
Concen: 251.083 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion:	43	Resp:	304622
Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.8	35.6





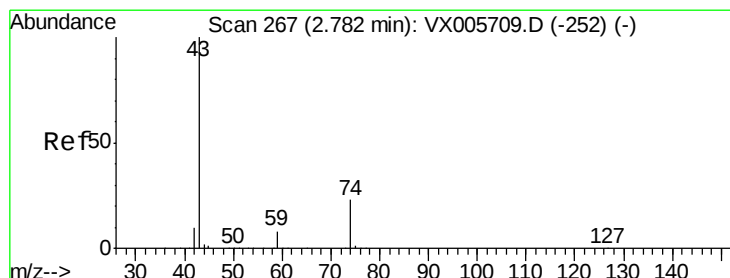
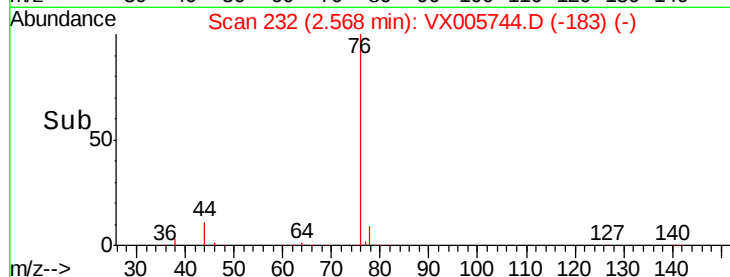
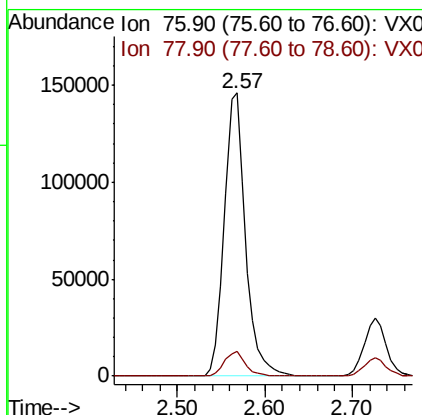
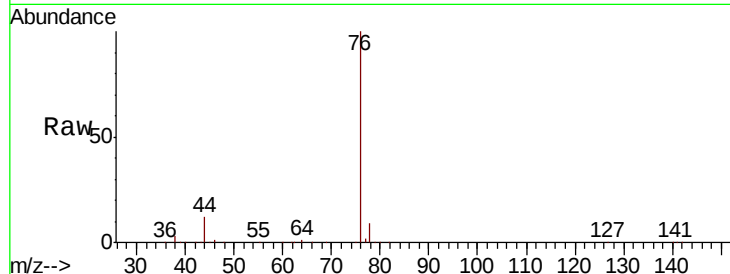
#17
Carbon Disulfide
Concen: 45.869 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

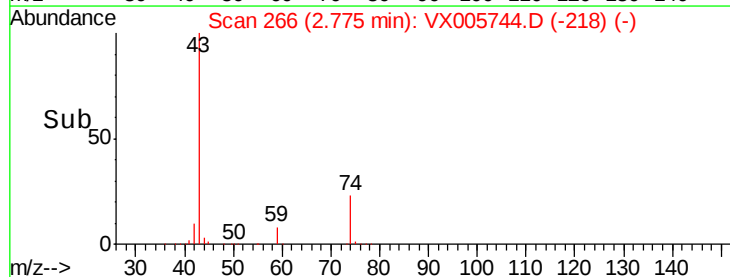
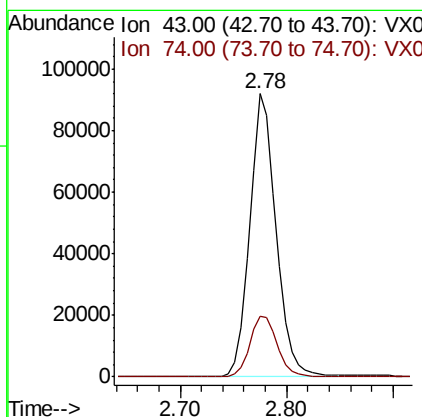
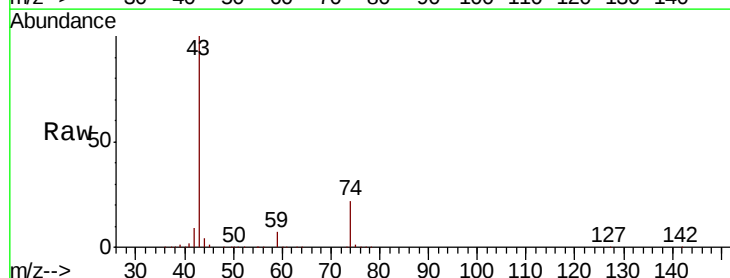
Manual Integrations
APPROVED

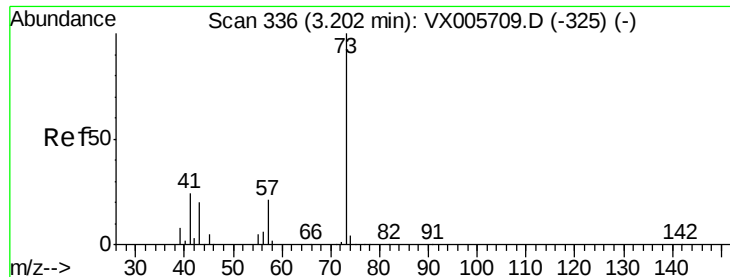
MMDadoda
11/5/2018 3:09:29 PM



#18
Methyl Acetate
Concen: 46.809 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	16.8	25.2





#19

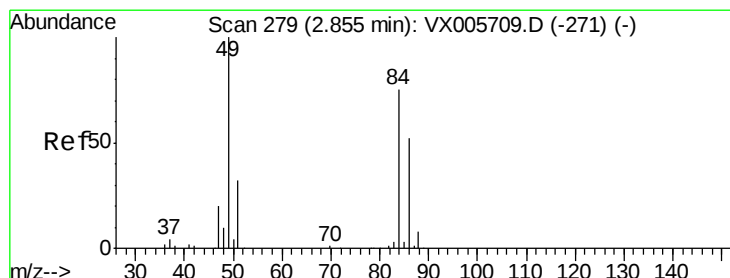
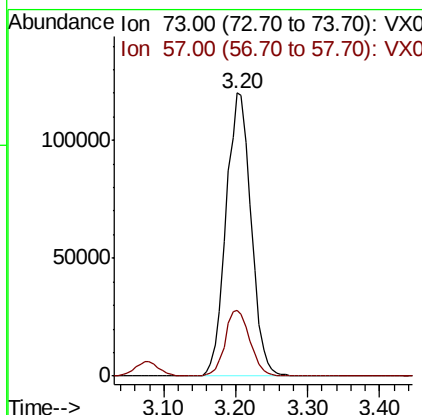
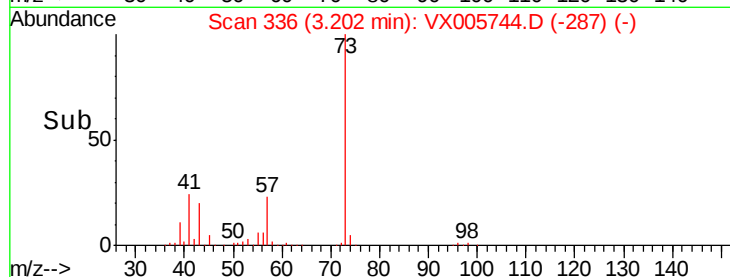
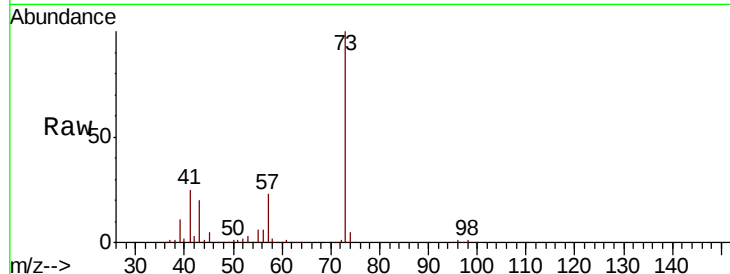
Methyl tert-butyl Ether
 Concen: 48.344 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.8	28.2

Manual Integrations
 APPROVED

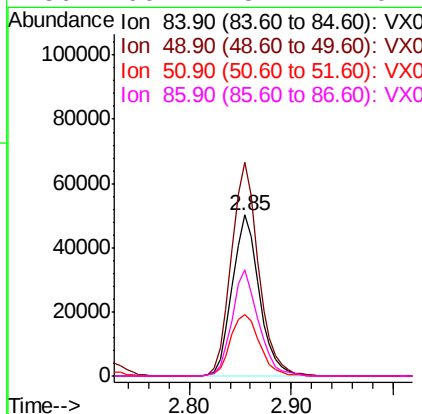
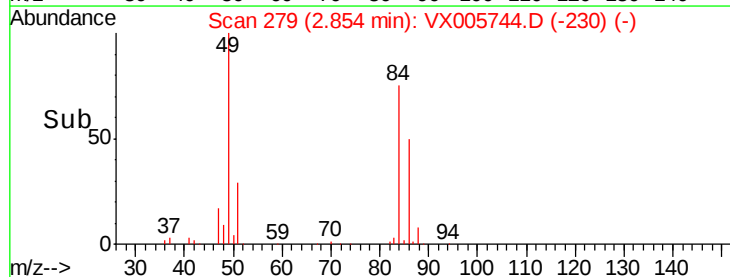
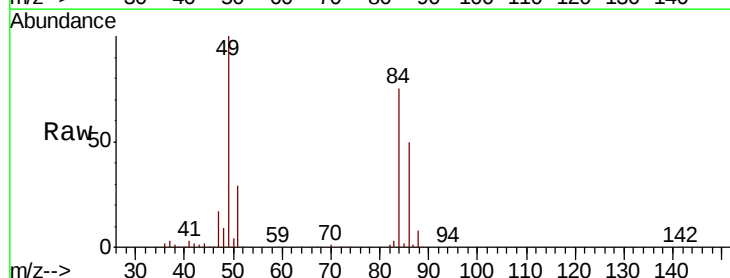
MMDadoda
 11/5/2018 3:09:29 PM

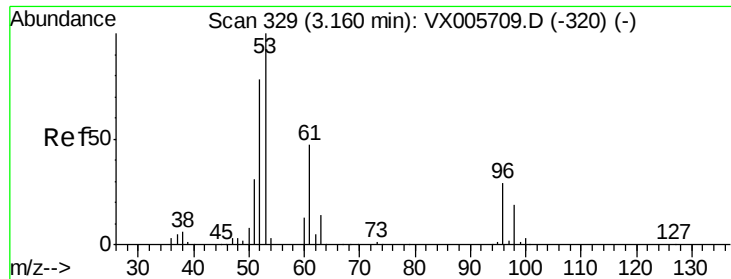


#20

Methylene Chloride
 Concen: 45.139 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.6	109.5	164.3
51	37.8	33.3	49.9
86	66.2	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 45.062 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 82896

Ion Ratio Lower Upper

96 100

61 157.4 115.6 173.4

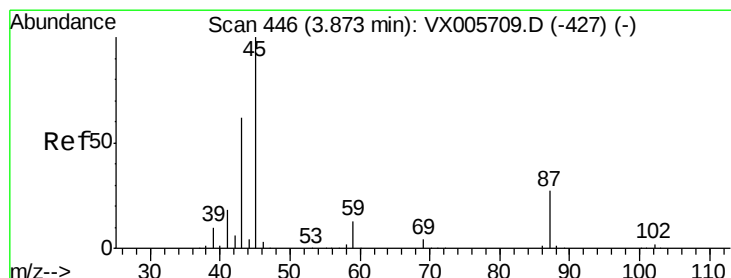
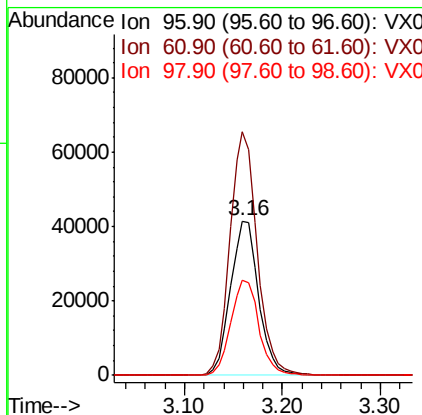
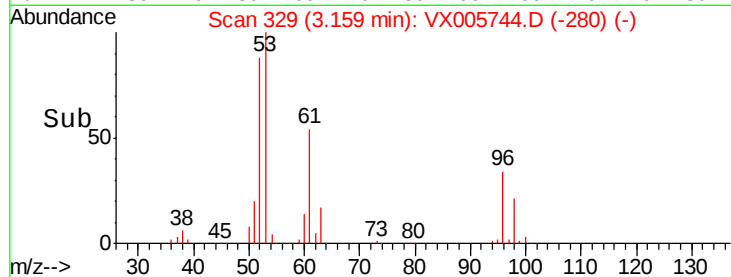
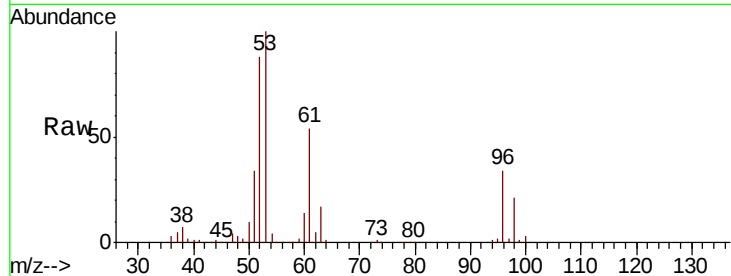
98 62.0 50.2 75.2

Manual Integrations

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MMDadoda

11/5/2018 3:09:29 PM



#22

Diisopropyl ether

Concen: 47.355 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Tgt Ion: 45 Resp: 315785

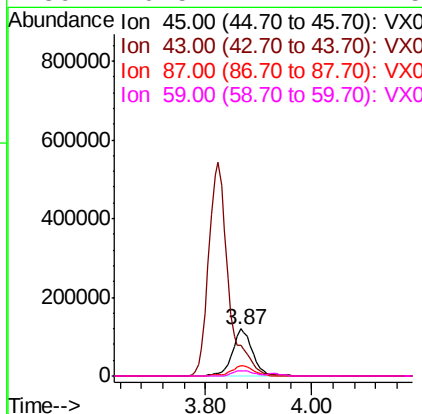
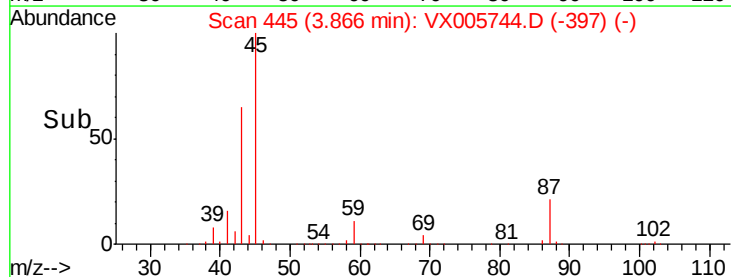
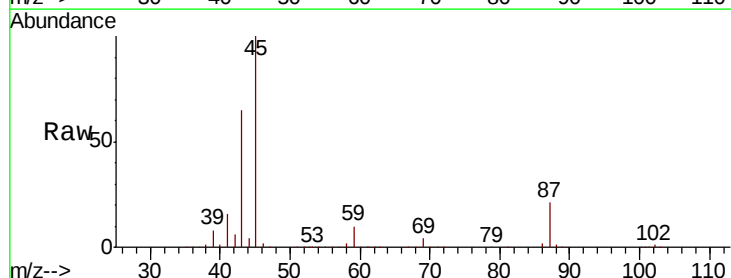
Ion Ratio Lower Upper

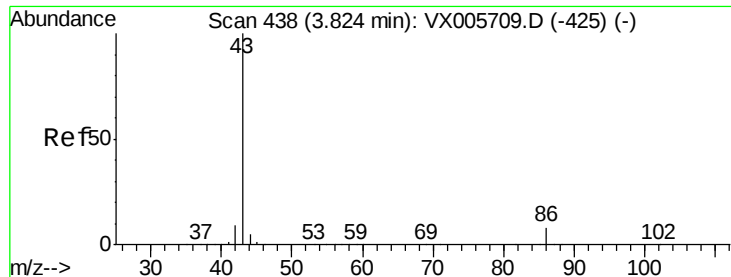
45 100

43 65.3 47.4 71.2

87 20.6 15.9 23.9

59 10.5 7.7 11.5





#23

Vinyl Acetate

Concen: 239.287 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1389851

Ion Ratio Lower Upper

43 100

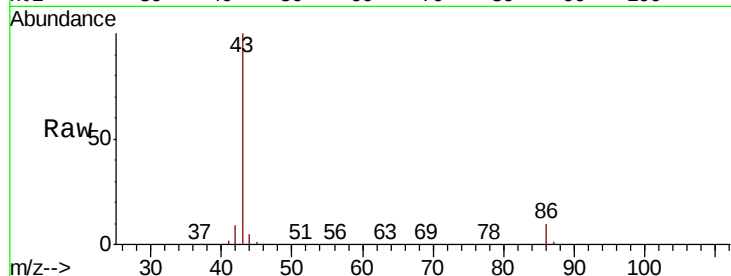
86 9.5 7.4 11.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

500000

400000

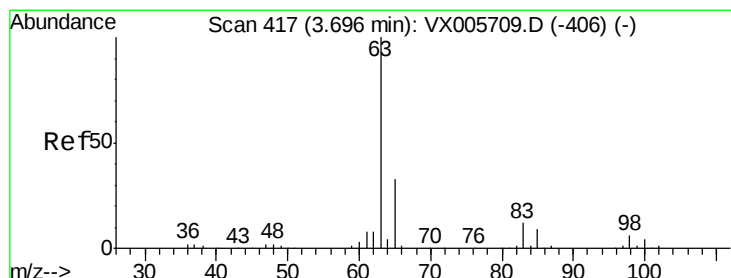
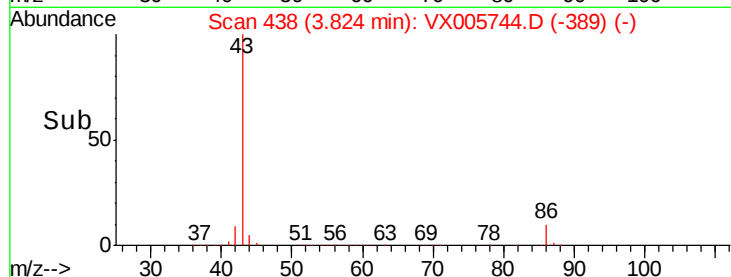
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.328 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

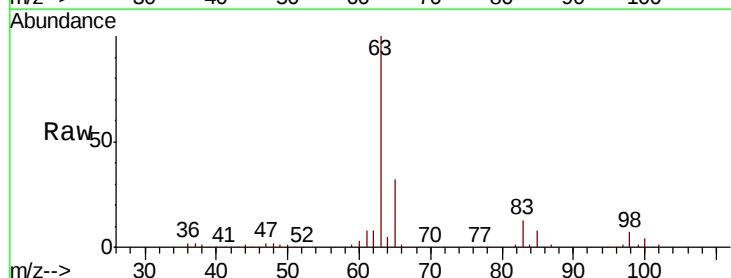
Tgt Ion: 63 Resp: 167148

Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 4.0 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

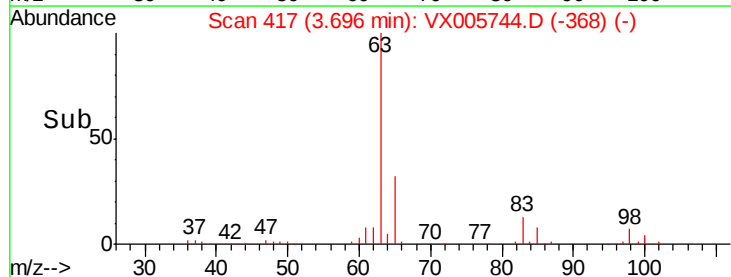
60000

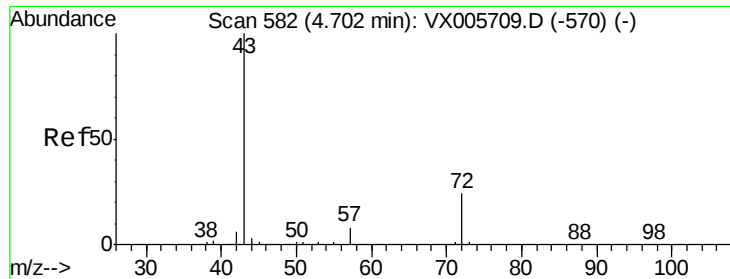
40000

20000

0

Time-->





#25

2-Butanone

Concen: 232.213 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 462266

Ion Ratio Lower Upper

43 100

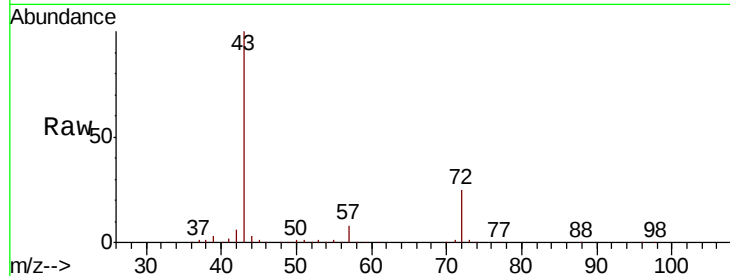
72 24.7 19.2 28.8

Manual Integrations

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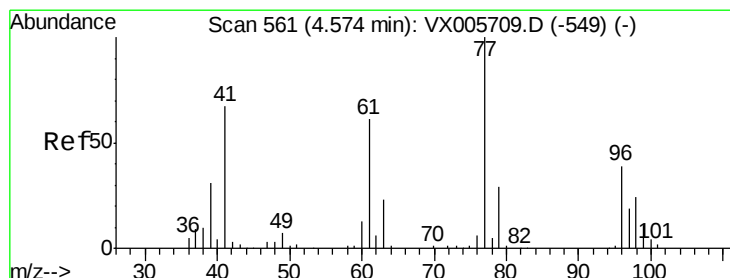
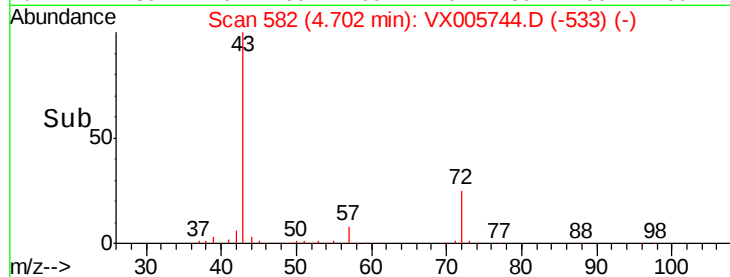
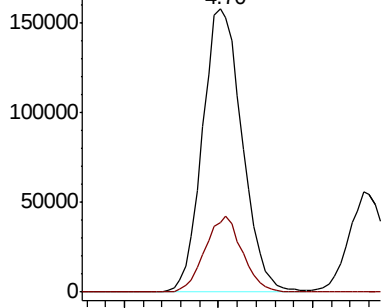
MMDadoda

11/5/2018 3:09:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.753 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005744.D

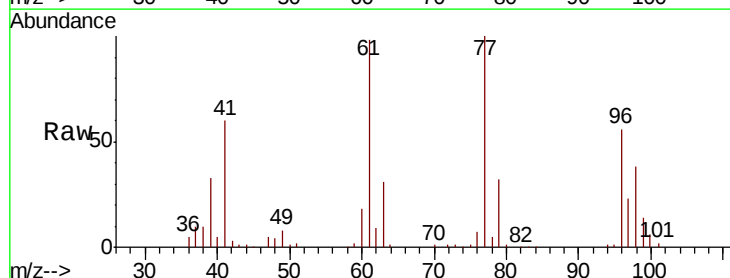
Acq: 02 Nov 2018 09:37

Tgt Ion: 77 Resp: 134602

Ion Ratio Lower Upper

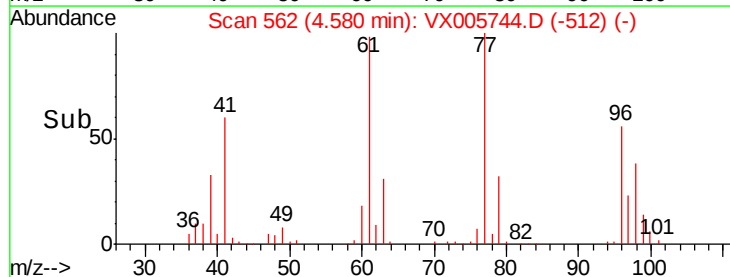
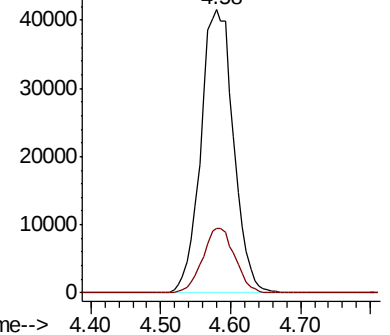
77 100

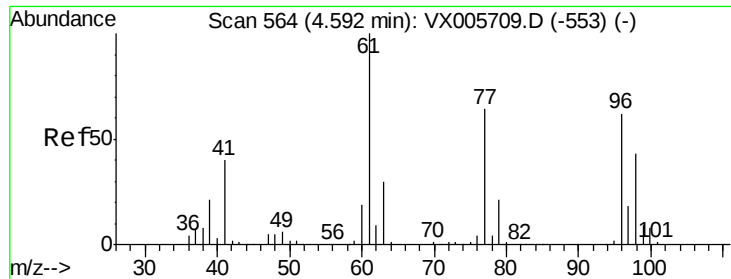
97 22.5 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

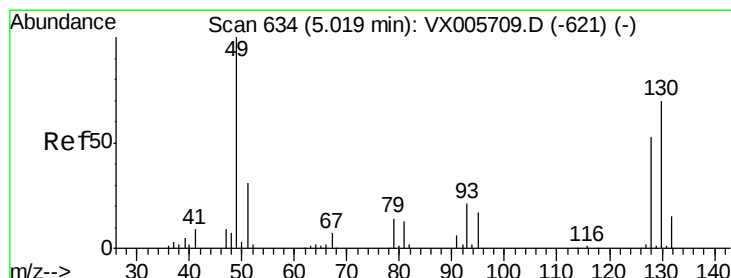
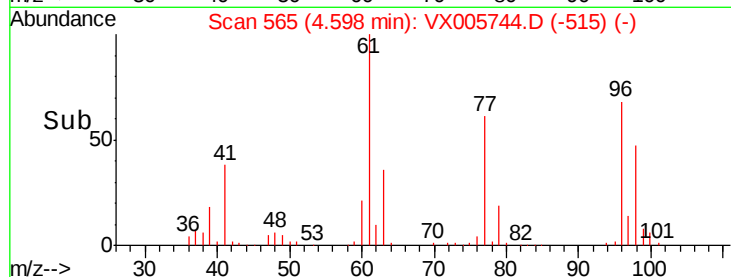
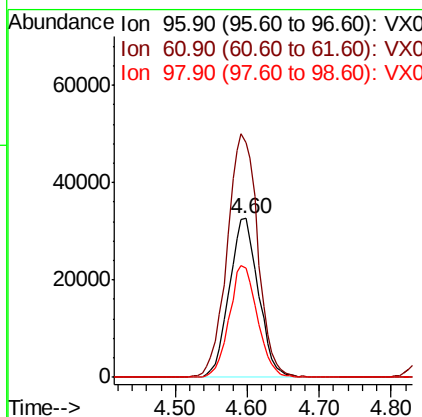
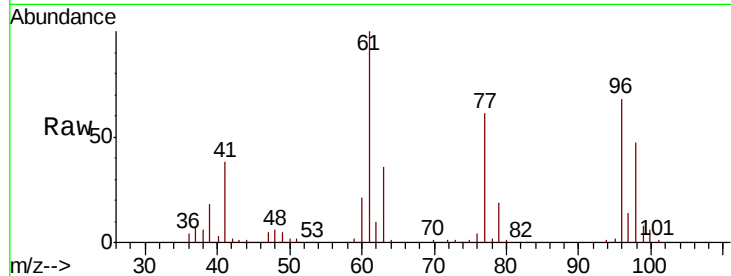
cis-1,2-Dichloroethene
Concen: 44.573 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	92137		
61	160.0	0.0	304.6	
98	68.2	0.0	127.4	

Manual Integrations
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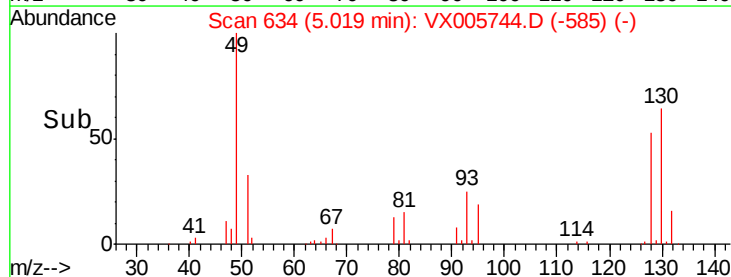
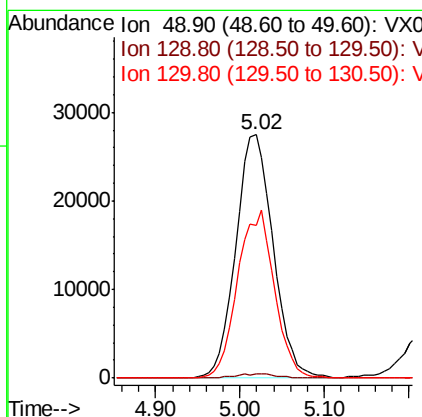
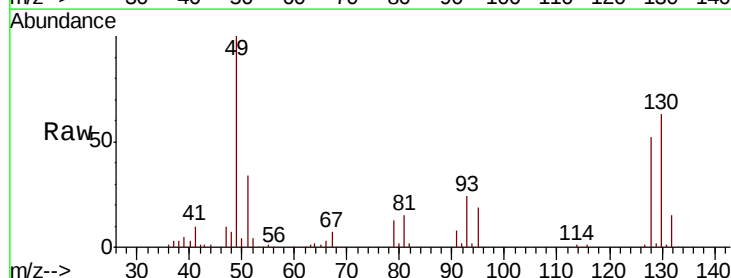
MMDadoda
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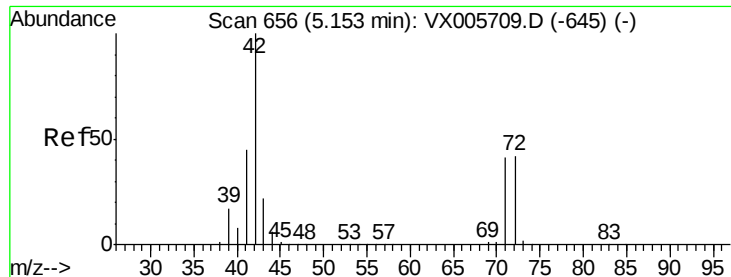


#28

Bromochloromethane
Concen: 44.906 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82610		
129	1.8	0.0	4.0	
130	67.8	58.9	88.3	





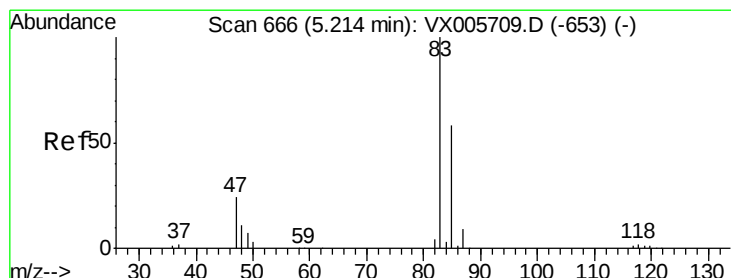
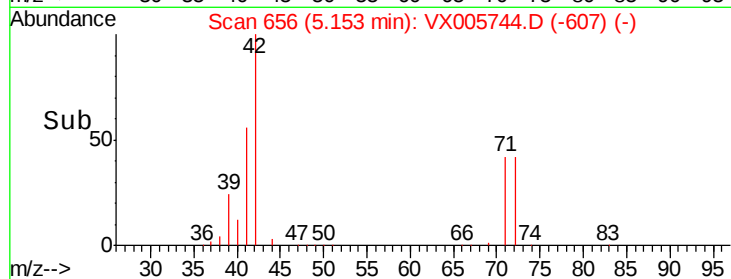
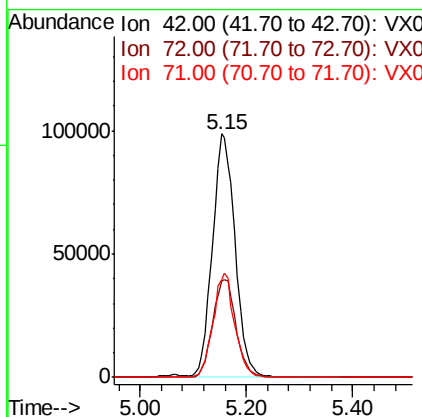
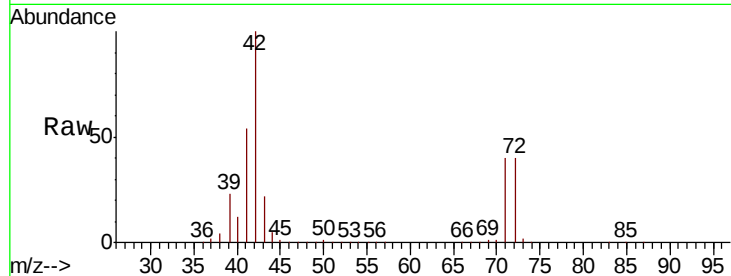
#29
Tetrahydrofuran
Concen: 239.283 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.0	48.0
71	41.0	29.8	44.8

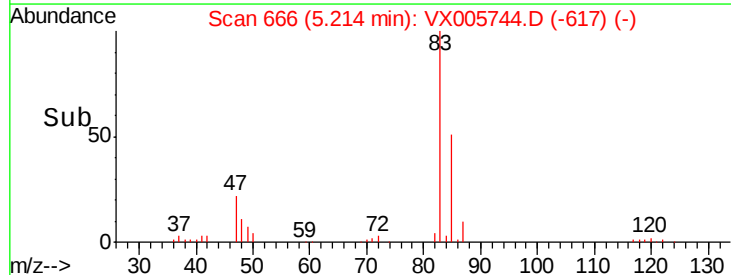
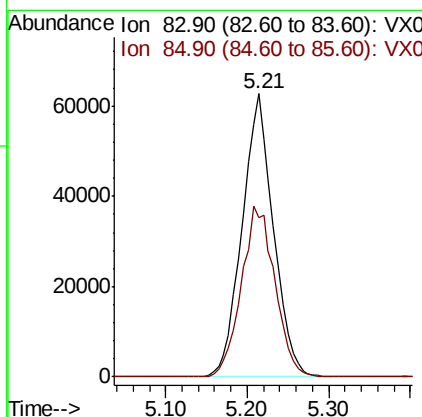
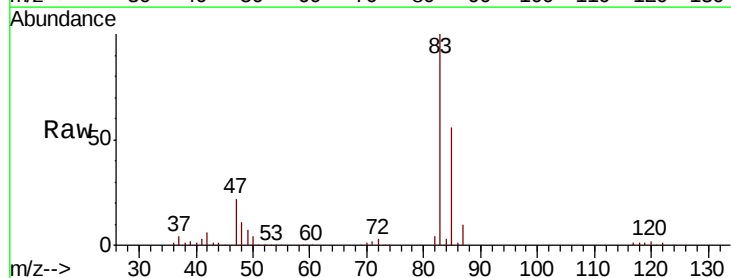
Manual Integrations
APPROVED

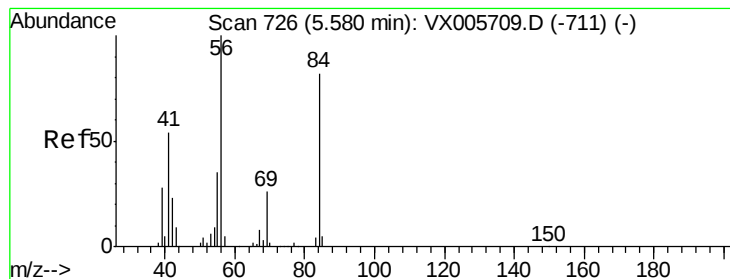
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#30
Chloroform
Concen: 45.321 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.1	50.6	76.0





#31

Cyclohexane

Concen: 48.081 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

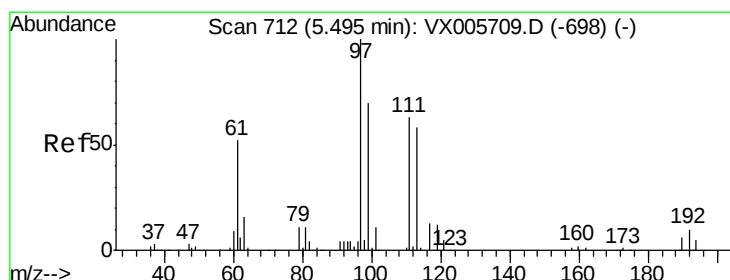
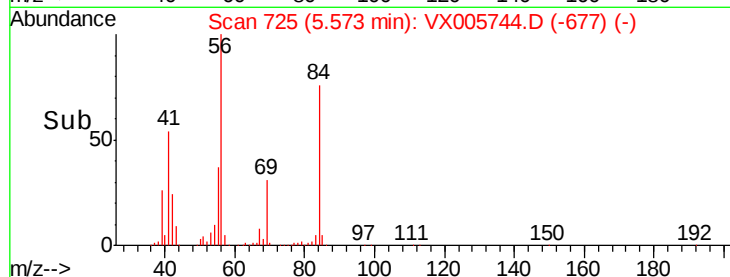
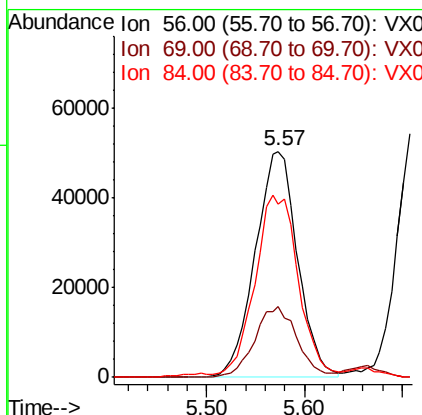
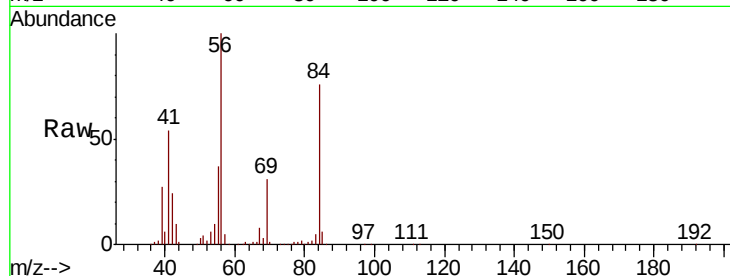
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	151608
Ion	Ratio	Lower	Upper
56	100		
69	31.4	22.6	34.0
84	75.2	62.7	94.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.139 ug/l

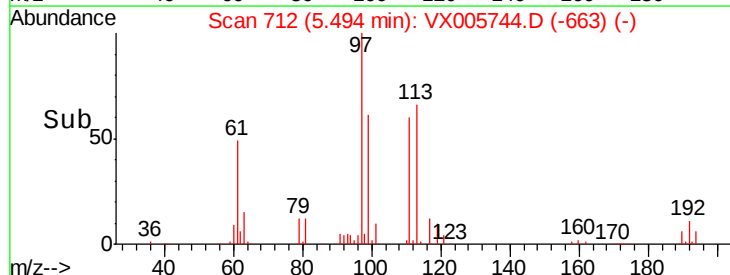
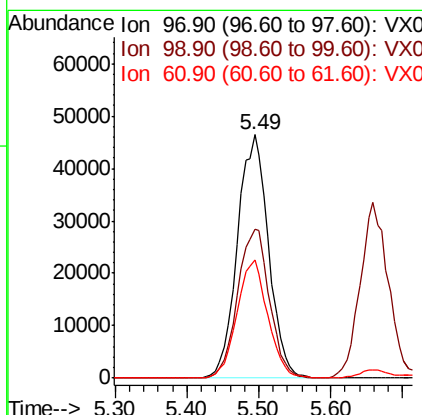
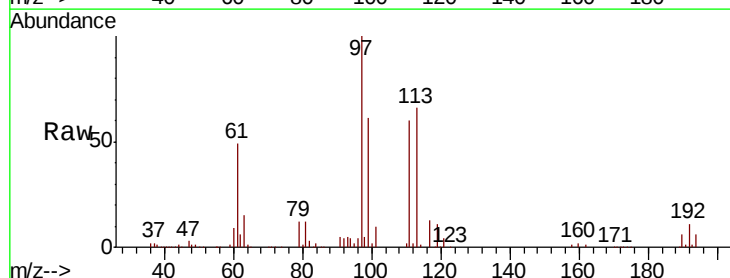
RT: 5.49 min Scan# 712

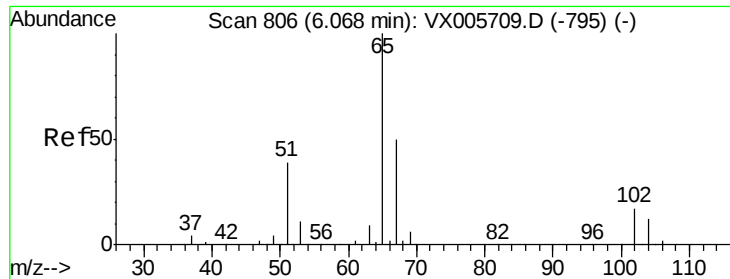
Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Tgt Ion:	97	Resp:	139082
Ion	Ratio	Lower	Upper
97	100		
99	62.6	52.3	78.5
61	48.4	35.2	52.8





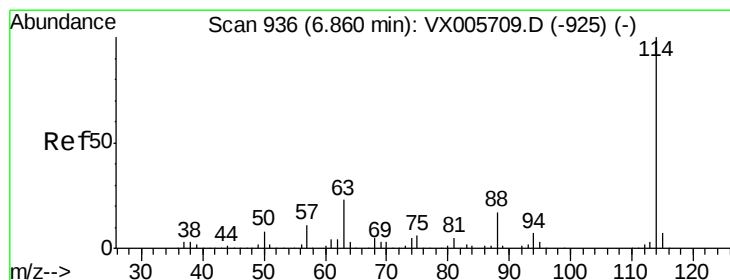
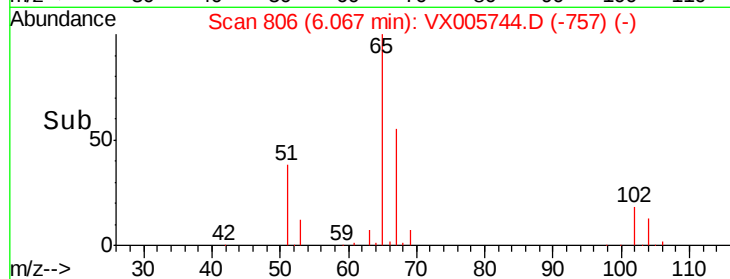
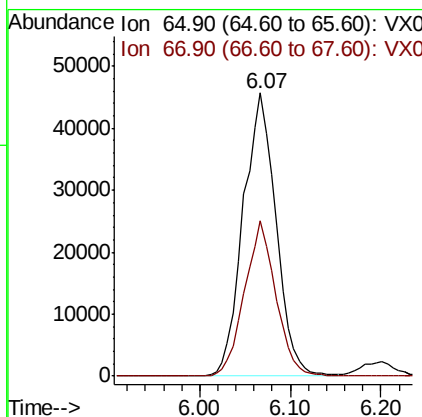
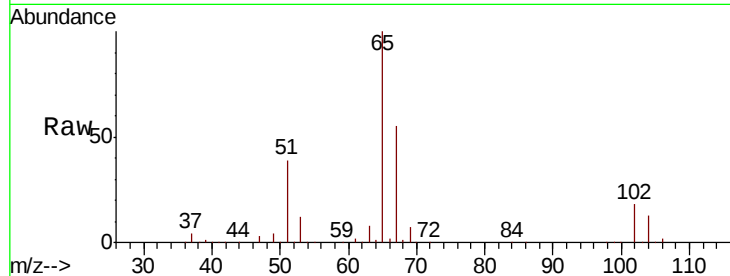
#33
 1,2-Dichloroethane-d4
 Concen: 48.563 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.0

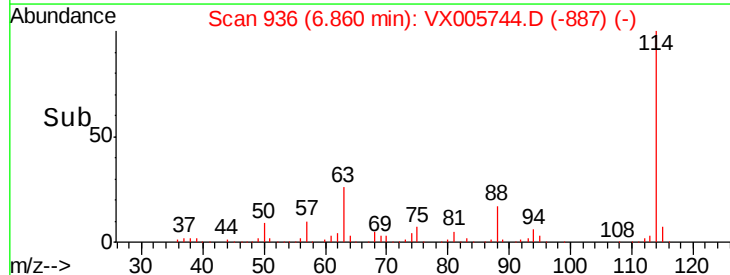
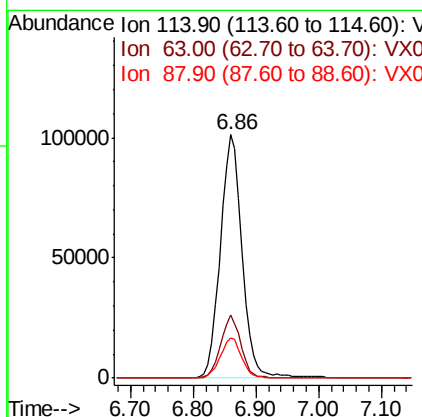
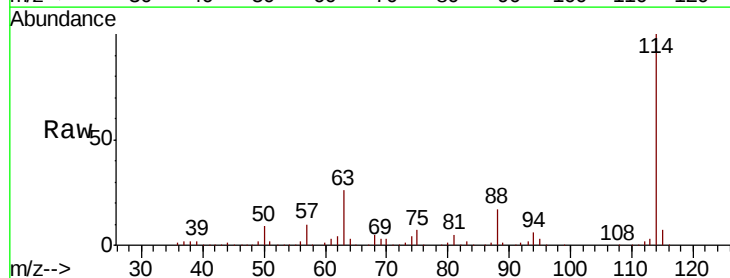
Manual Integrations
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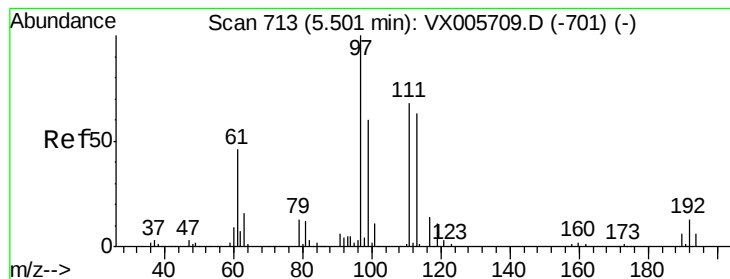
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.9	0.0	42.8
88	16.6	0.0	31.2





#35

Dibromofluoromethane

Concen: 51.382 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

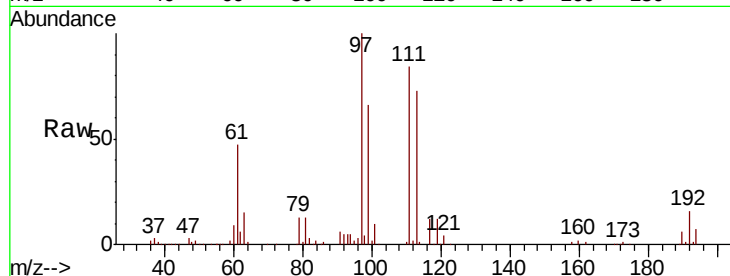
ClientSampleId :

VSTDCCC050

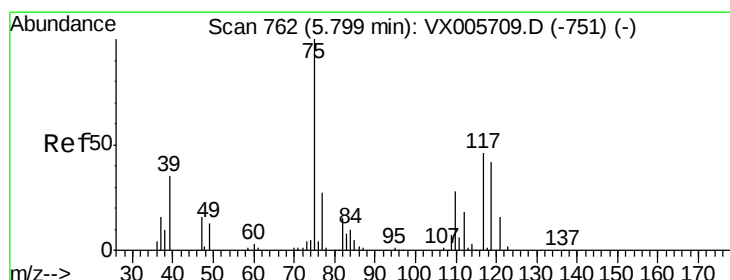
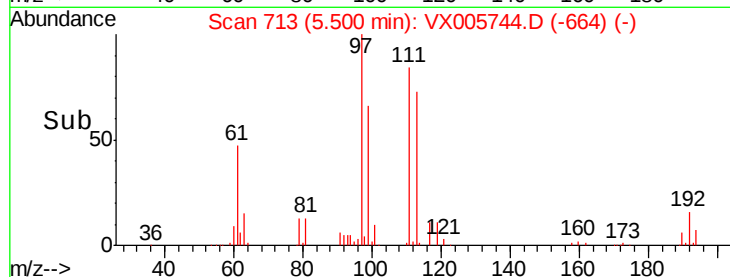
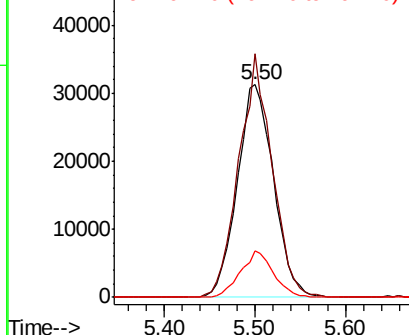
Tot Ion:	113	Resp:	86782
Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.3	123.5
192	19.9	17.9	26.9

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.889 ug/l

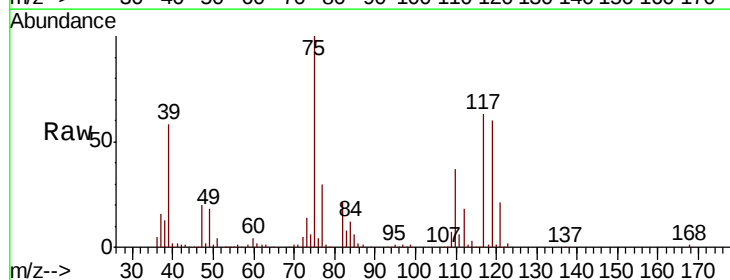
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

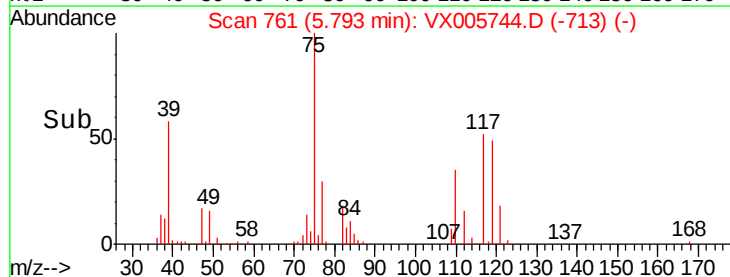
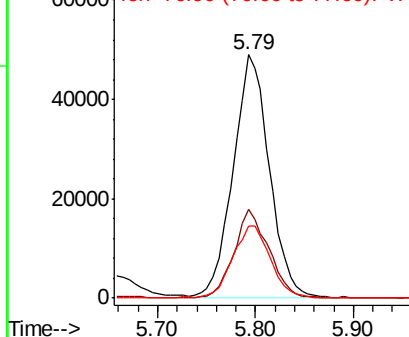
Lab File: VX005744.D

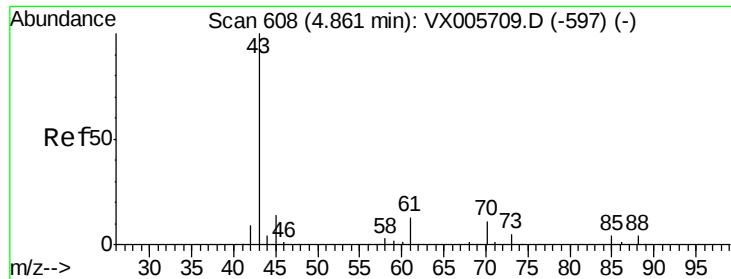
Acq: 02 Nov 2018 09:37

Tgt Ion:	75	Resp:	124455
Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.4	52.2
77	31.9	25.8	38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





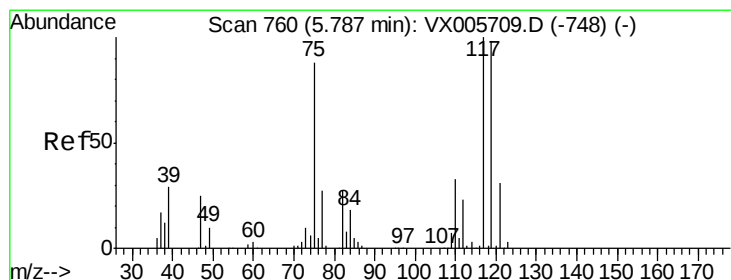
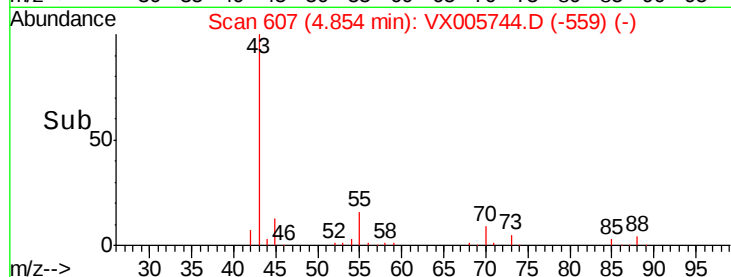
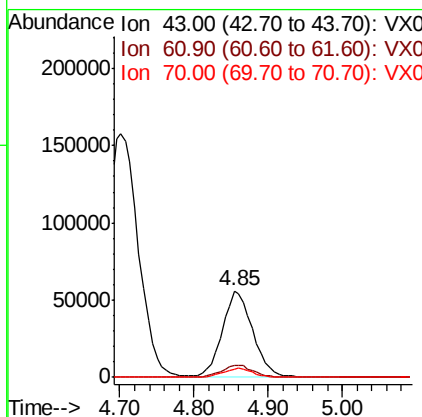
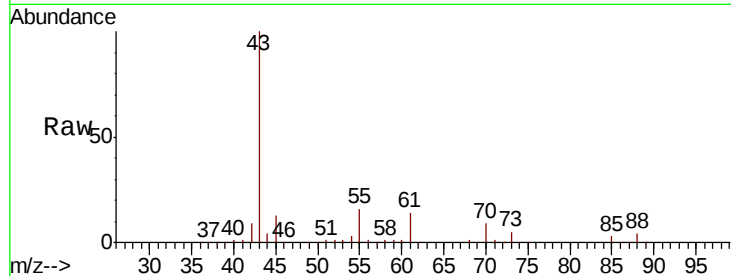
#37
Ethyl Acetate
Concen: 48.032 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.8	16.2
70	10.2	7.8	11.8

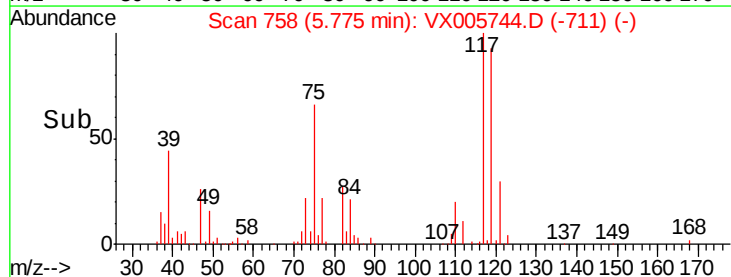
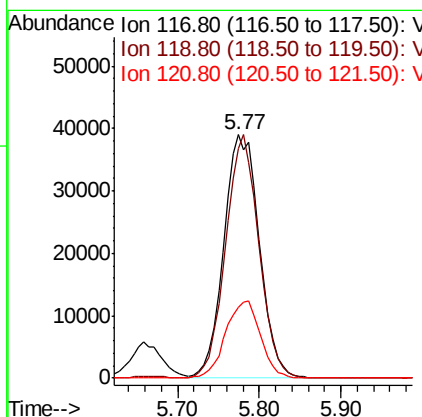
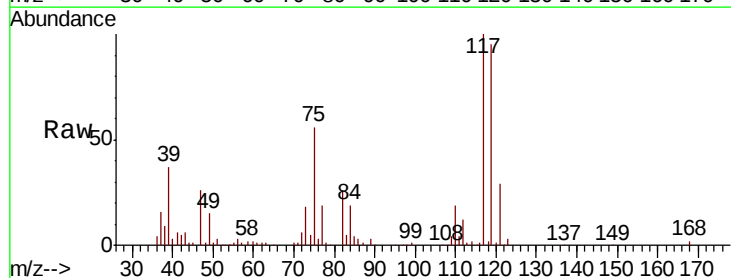
Manual Integrations
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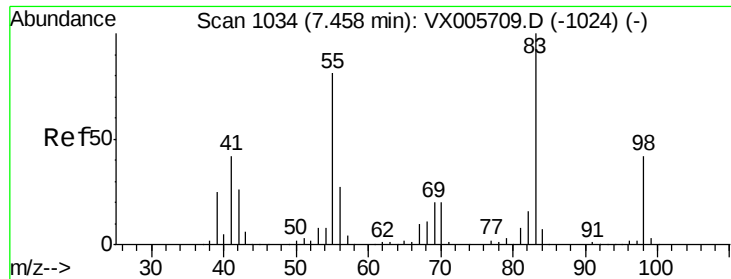
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#38
Carbon Tetrachloride
Concen: 50.012 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.1	117.1
121	29.2	24.6	36.8





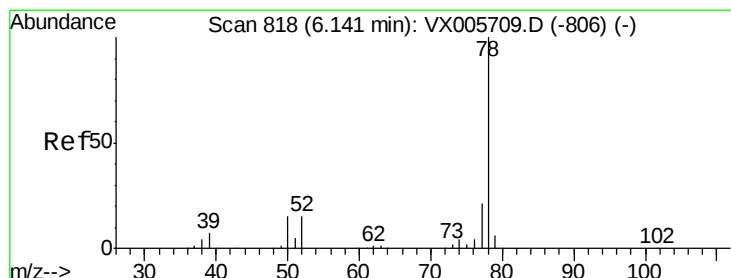
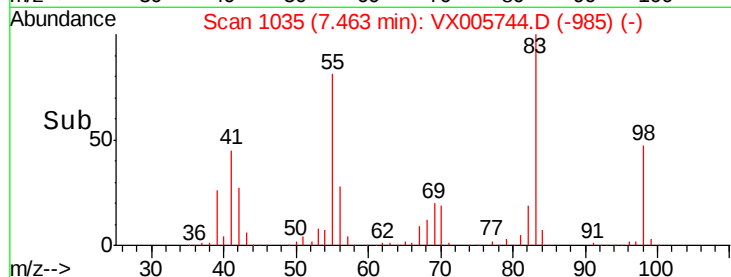
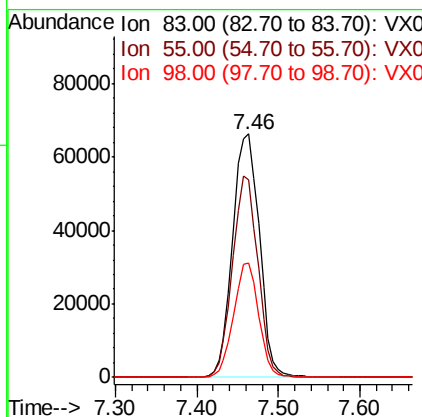
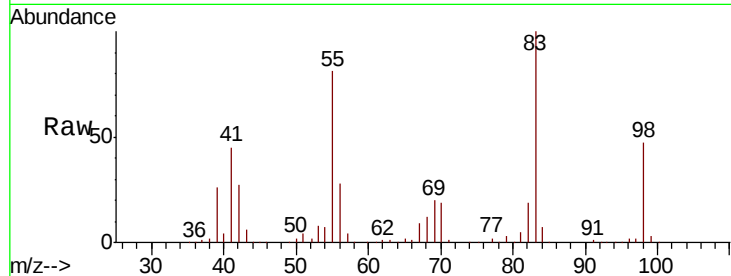
#39
Methvlcvclohexane
Concen: 55.389 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.4	63.7	95.5	
98	47.0	36.2	54.2	

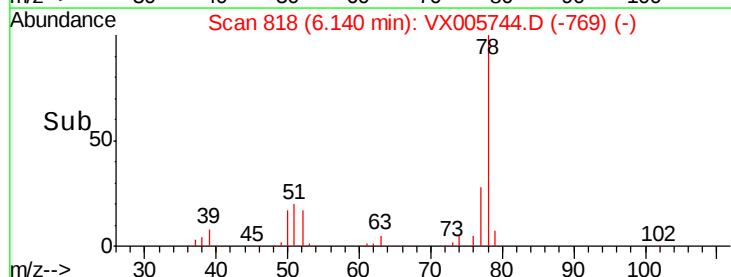
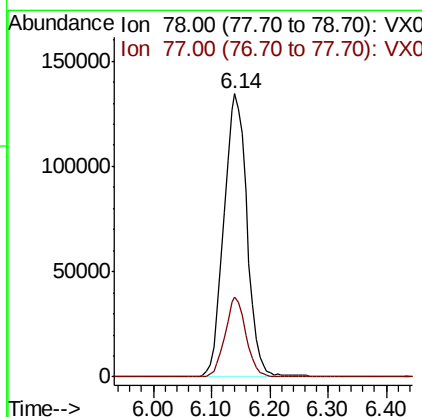
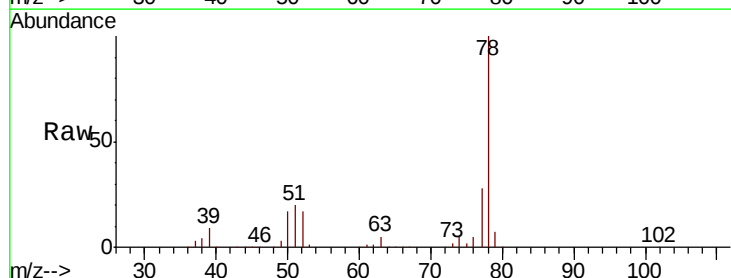
Manual Integrations
APPROVED

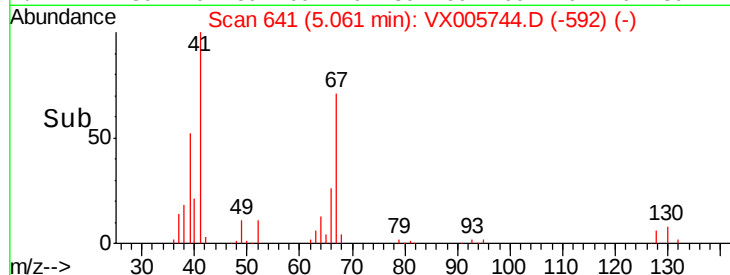
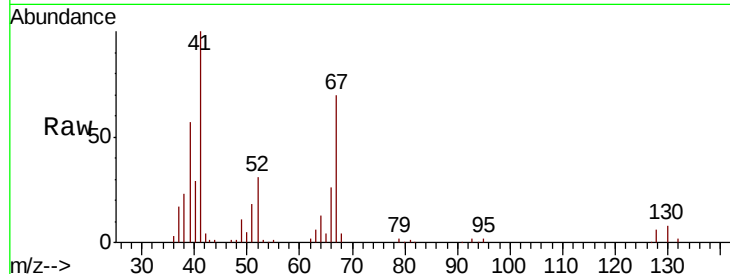
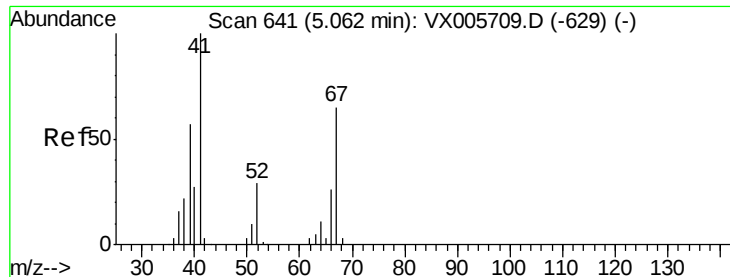
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#40
Benzene
Concen: 48.103 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	28.4	18.4	27.6	





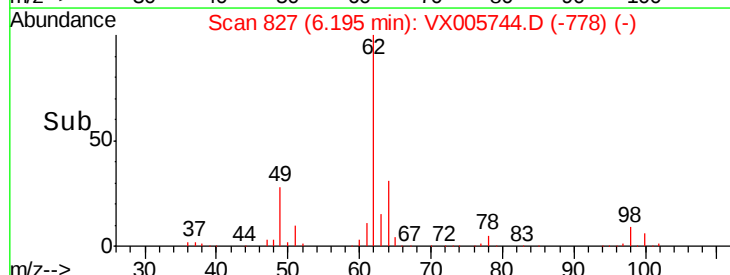
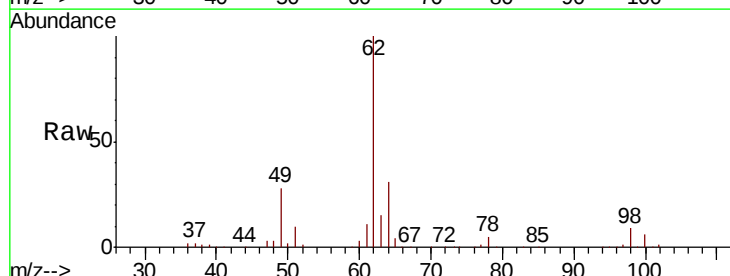
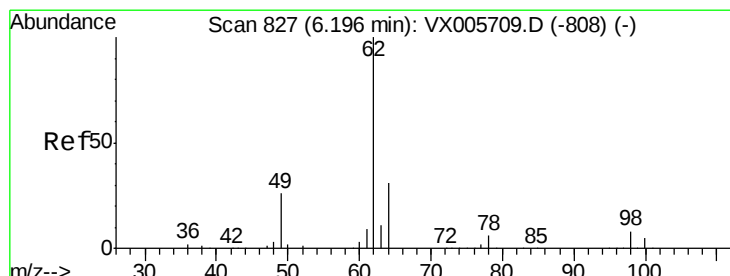
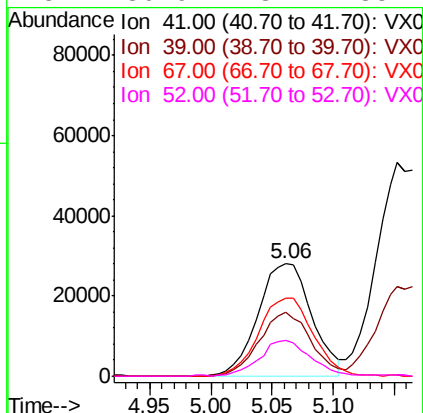
#41
Methacrylonitrile
Concen: 47.835 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tot Ion	41	Resp	85696
Ion Ratio	100	Lower	Upper
41	100		
39	54.8	42.2	63.2
67	71.2	53.4	80.0
52	30.9	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

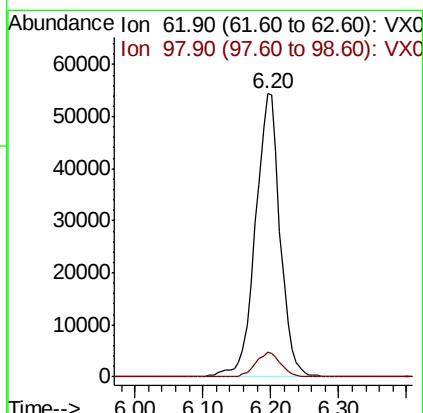
Manual Integrations
APPROVED

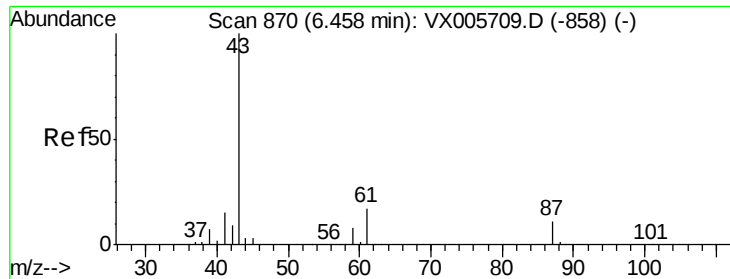
MMDadoda
11/5/2018 3:09:29 PM



#42
1,2-Dichloroethane
Concen: 48.370 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	62	Resp	138233
Ion Ratio	100	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

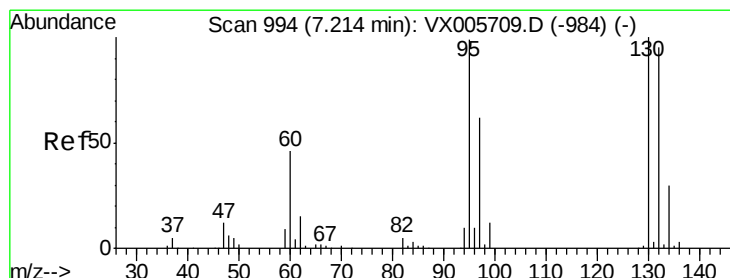
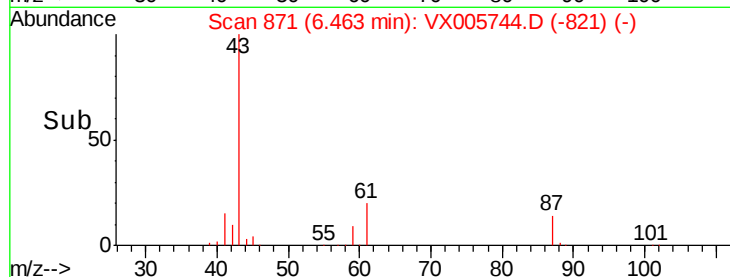
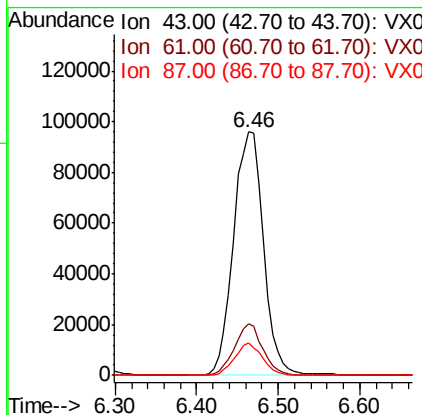
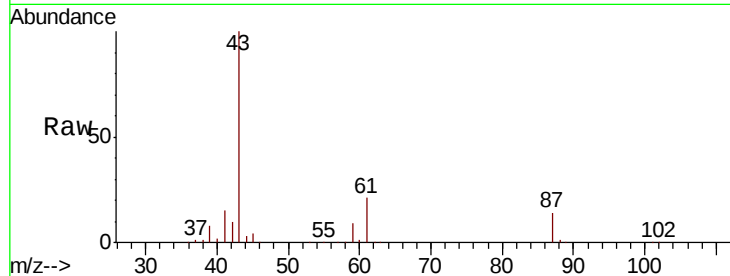
Isopropyl Acetate
 Concen: 50.438 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	61	87
Resp	242723	19.9	12.3
Lower		14.6	9.6
Upper		22.0	14.4

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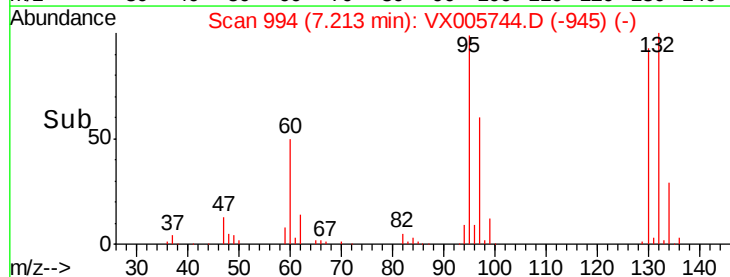
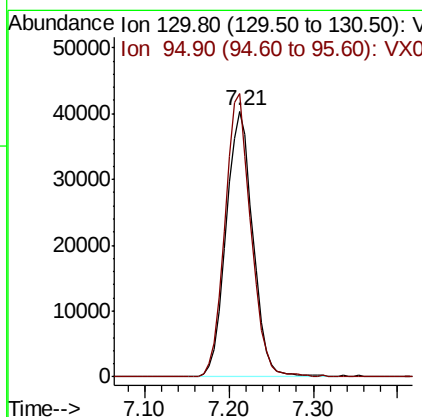
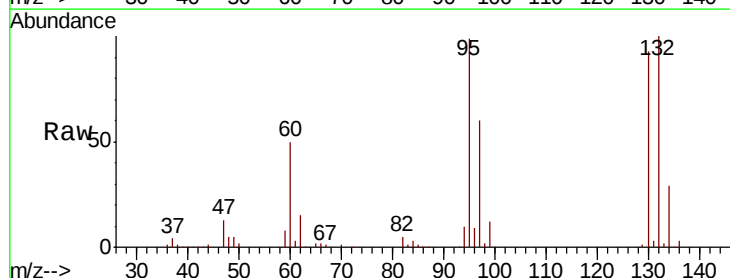
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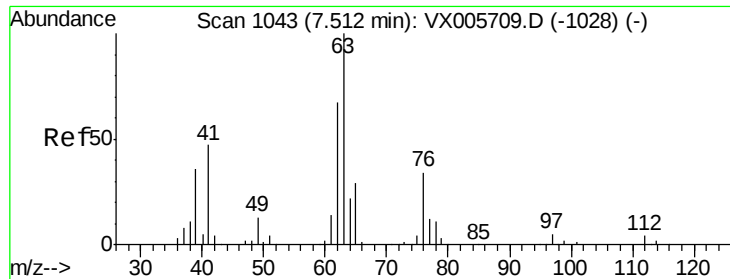


#44

Trichloroethene
 Concen: 49.022 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Tgt Ion	130	95
Resp	87658	106.5
Lower		0.0
Upper		194.2





#45

1,2-Dichloropropane

Concen: 51.087 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 101219

Ion Ratio Lower Upper

63 100

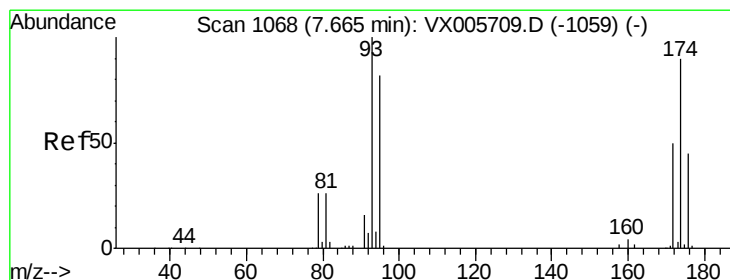
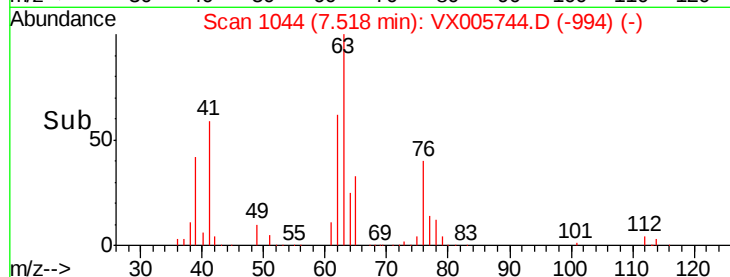
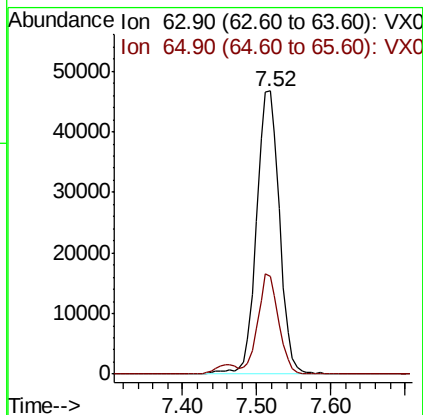
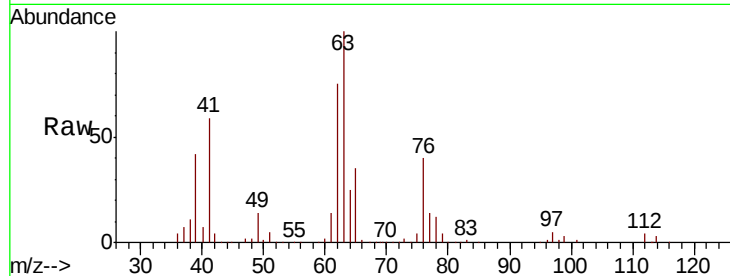
65 34.7 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 50.594 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

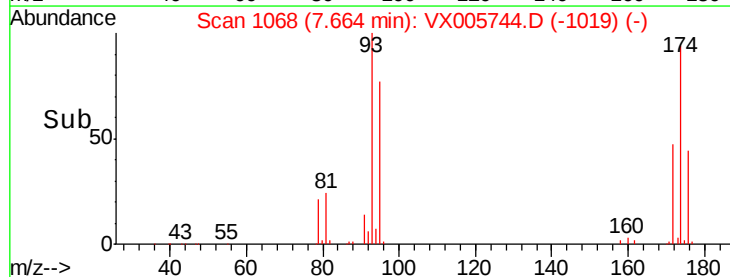
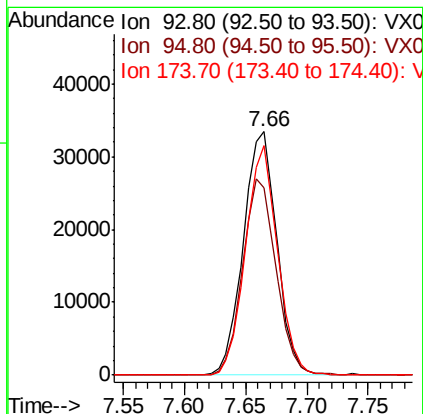
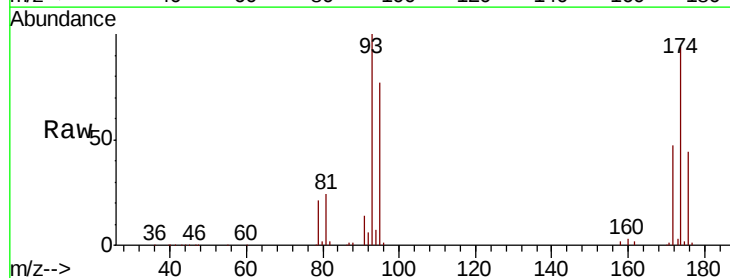
Tgt Ion: 93 Resp: 64063

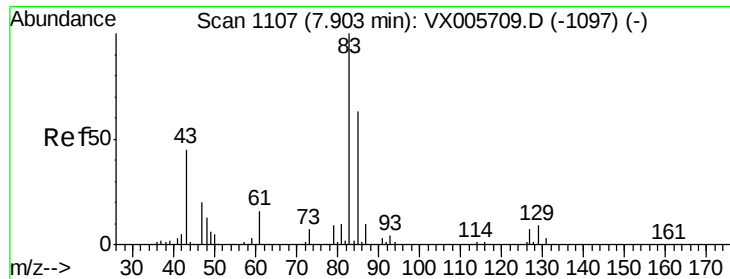
Ion Ratio Lower Upper

93 100

95 80.5 67.4 101.0

174 90.4 91.5 137.3#





#47

Bromodichloromethane

Concen: 50.709 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

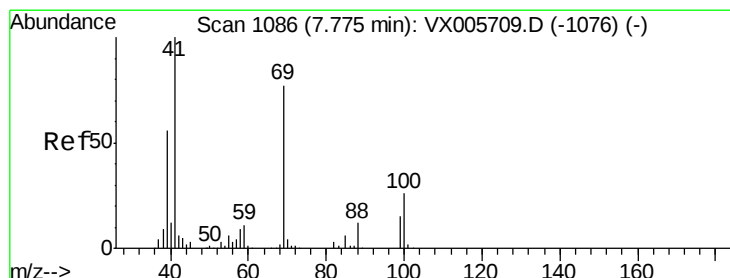
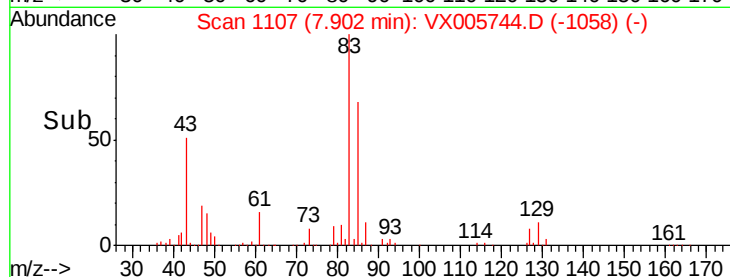
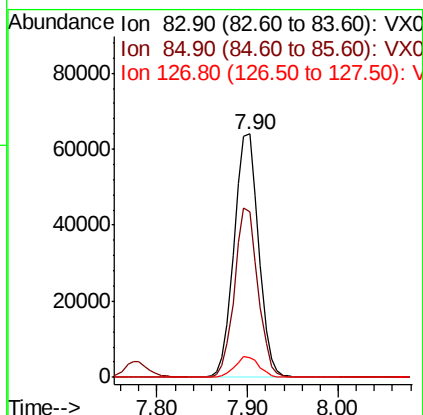
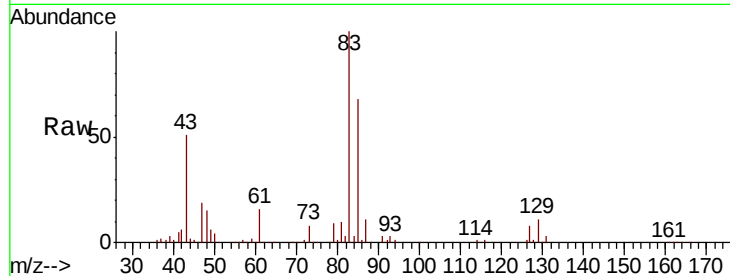
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	120439
Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.2	75.4
127	8.0	6.9	10.3

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#48

Methyl methacrylate

Concen: 54.908 ug/l

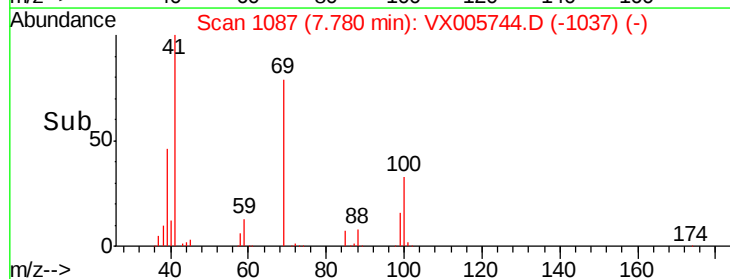
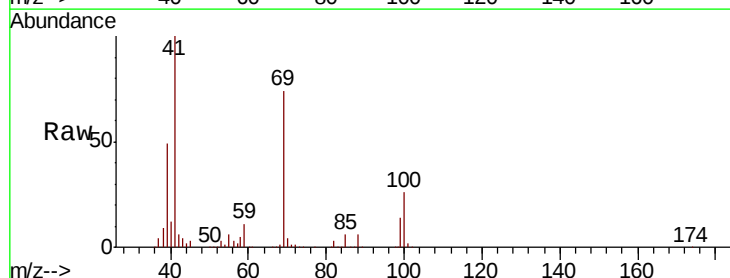
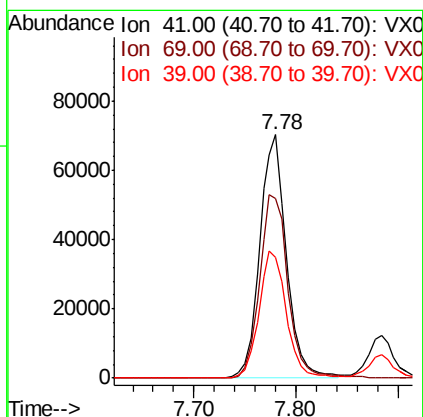
RT: 7.78 min Scan# 1087

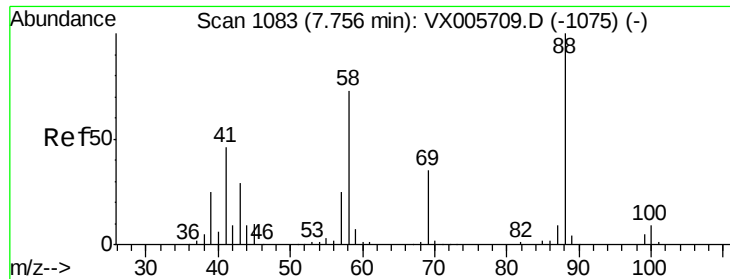
Delta R.T. 0.01 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Tgt Ion:	41	Resp:	127888
Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.2	94.8
39	53.8	42.2	63.2





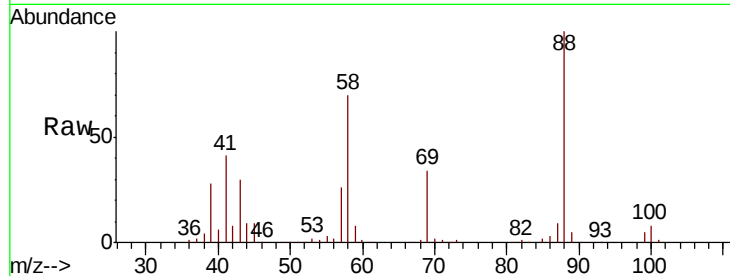
#49
1,4-Dioxane
Concen: 1059.192 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.4	41.0
58	76.7	59.4	89.2

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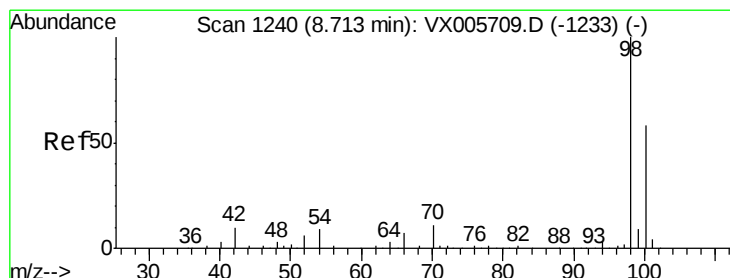
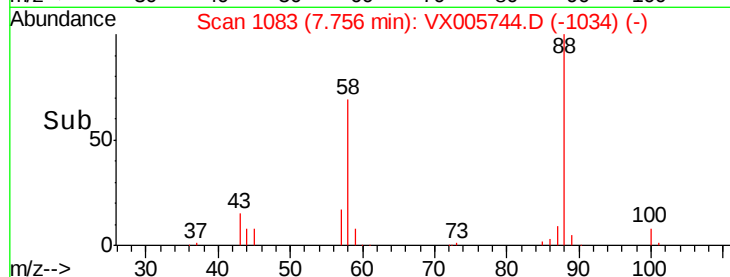
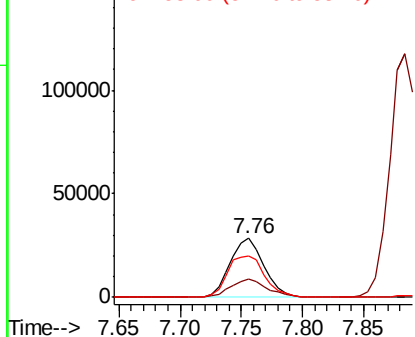


Abundance

Ion 88.00 (87.70 to 88.70): VX0

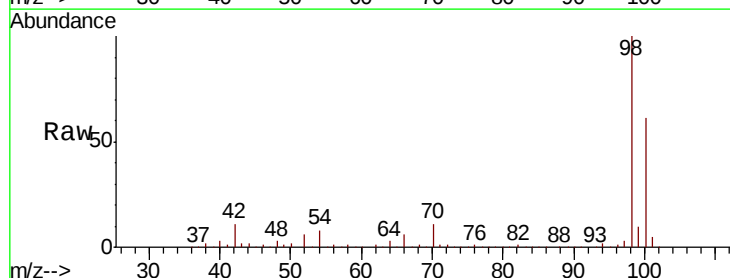
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 53.607 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

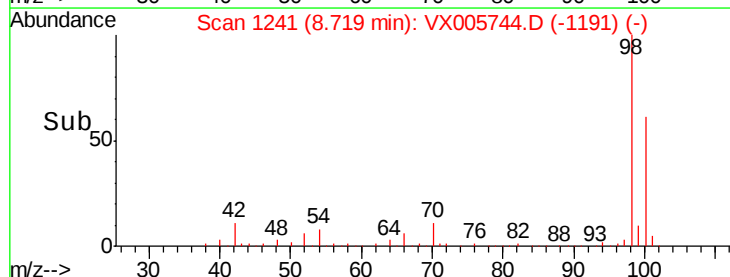
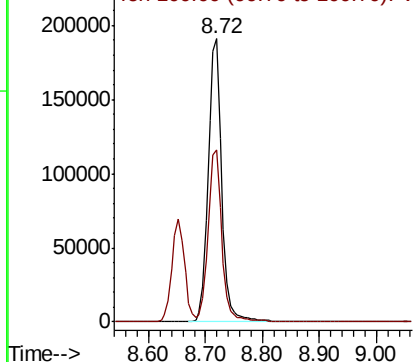
Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.8	51.3	76.9

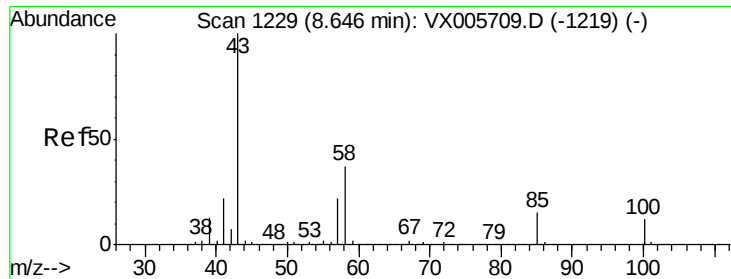


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 249.672 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 819251

Ion Ratio Lower Upper

43 100

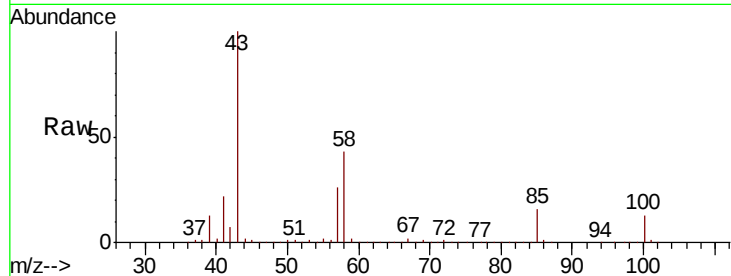
58 41.2 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

200000

100000

0

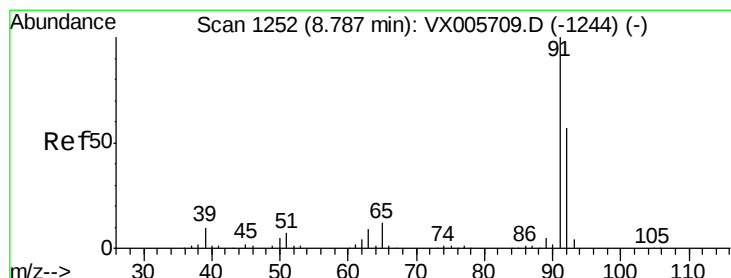
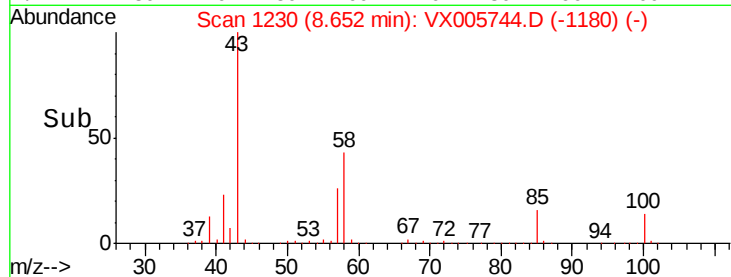
8.65

8.60

8.70

8.80

Time-->



#52

Toluene

Concen: 51.366 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005744.D

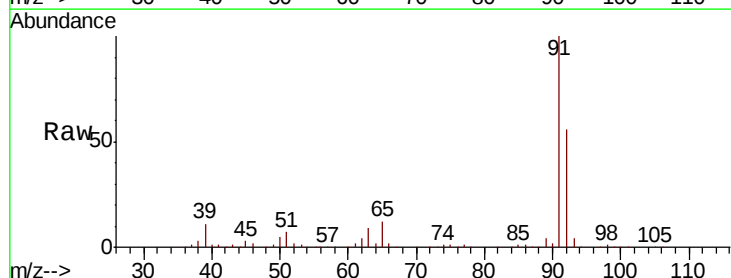
Acq: 02 Nov 2018 09:37

Tgt Ion: 92 Resp: 214809

Ion Ratio Lower Upper

92 100

91 179.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

50000

0

8.79

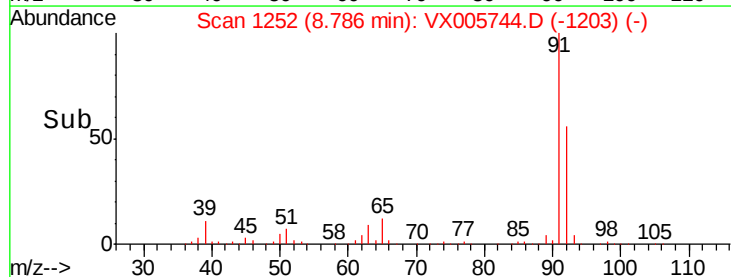
8.70

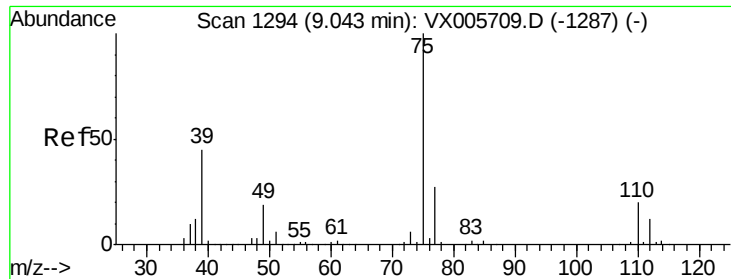
8.80

8.90

9.00

Time-->





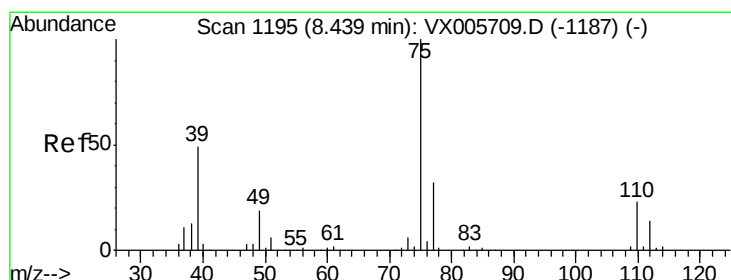
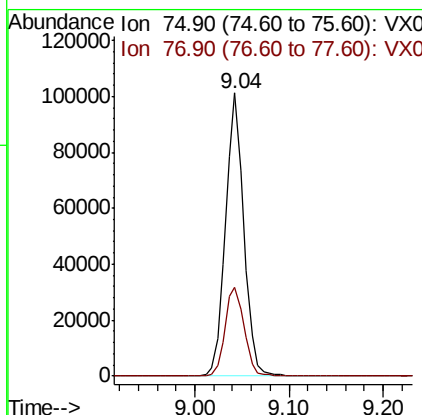
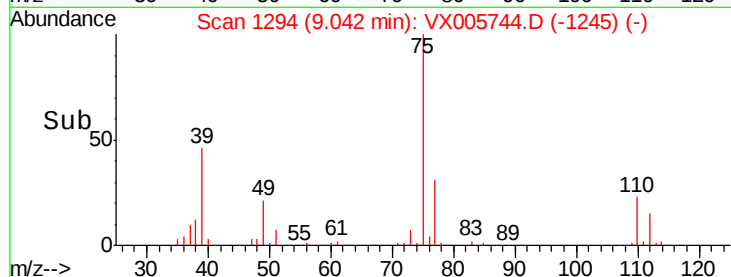
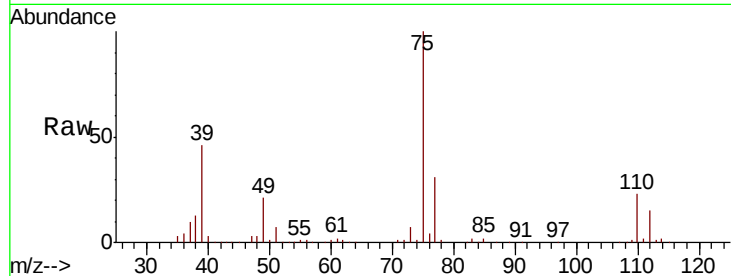
#53
t-1,3-Dichloropropene
Concen: 52.722 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 135704
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

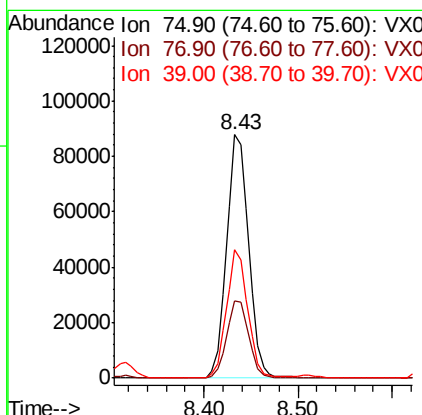
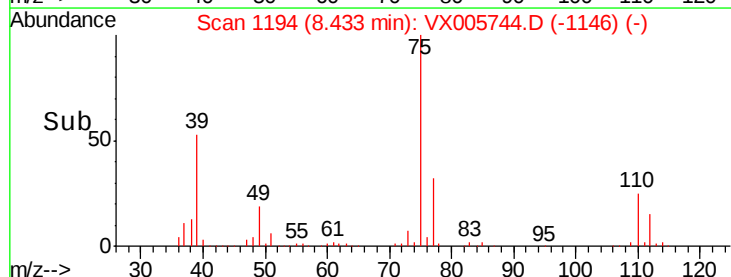
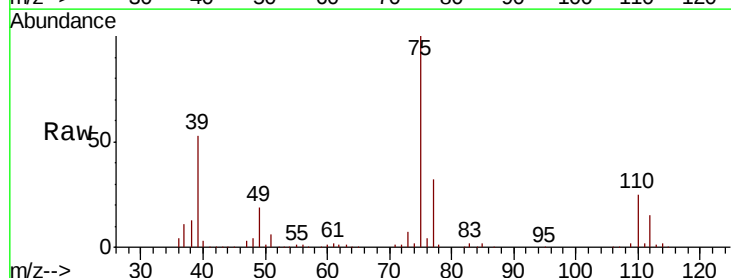
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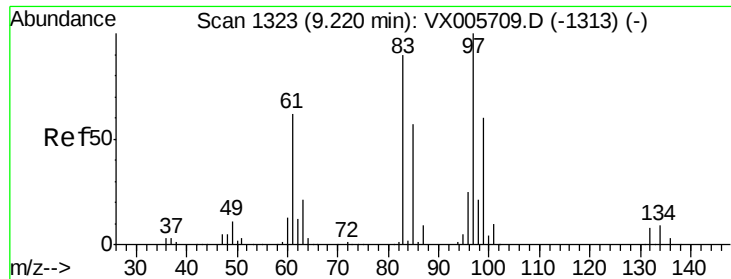
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#54
cis-1,3-Dichloropropene
Concen: 51.613 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion: 75 Resp: 142333
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 52.6 38.2 57.2





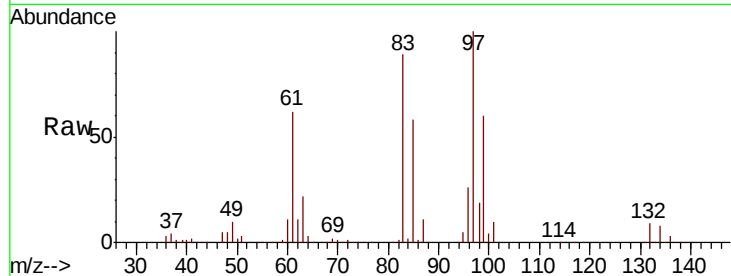
#55
1,1,2-Trichloroethane
Concen: 51.882 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

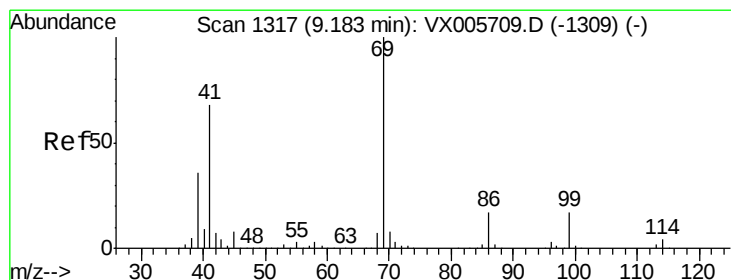
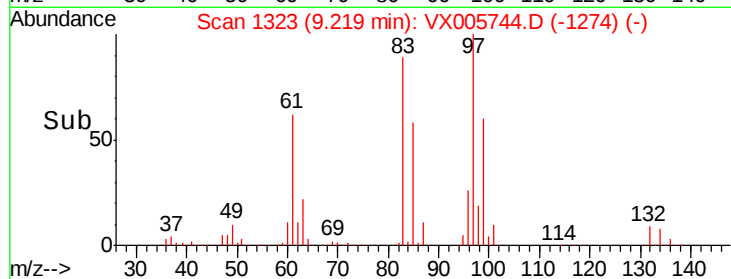
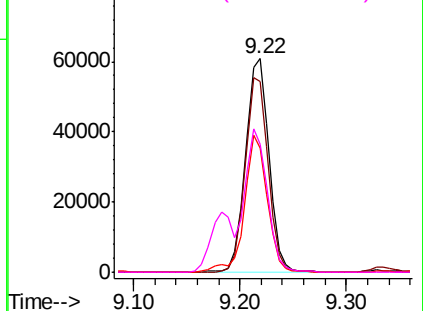
Tot Ion:	97	Resp:	94225
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.7	106.1
85	58.3	45.8	68.6
99	59.6	51.8	77.8

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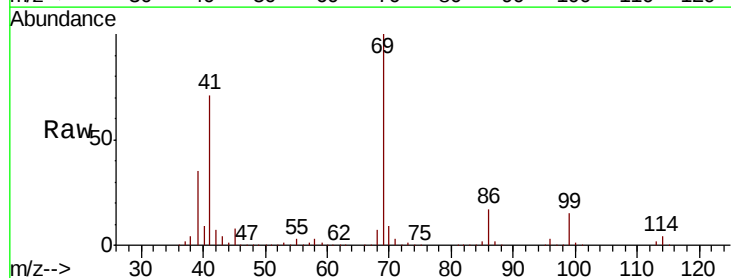


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

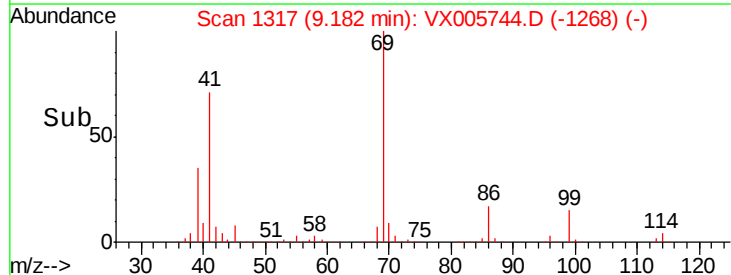
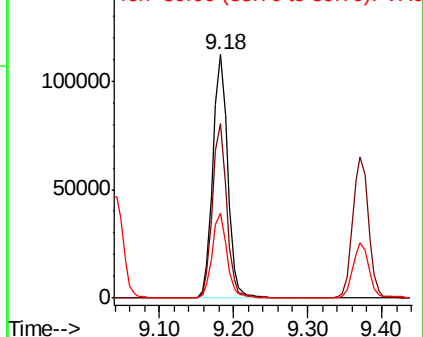


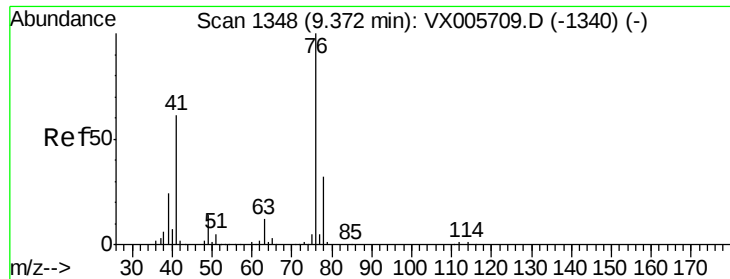
#56
Ethyl methacrylate
Concen: 49.958 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion:	69	Resp:	154006
Ion	Ratio	Lower	Upper
69	100		
41	68.9	57.0	85.6
39	34.5	28.3	42.5



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





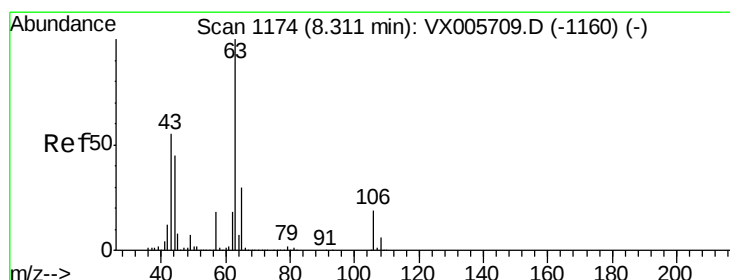
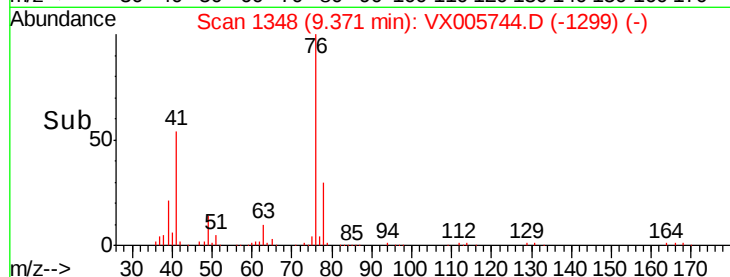
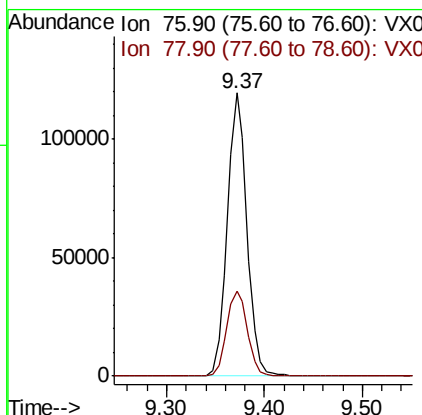
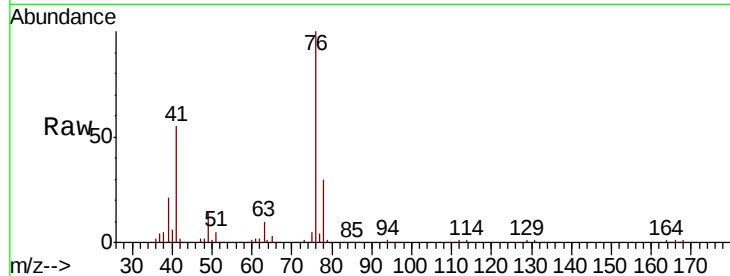
#57
 1,3-Dichloropropane
 Concen: 53.094 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.3	37.9

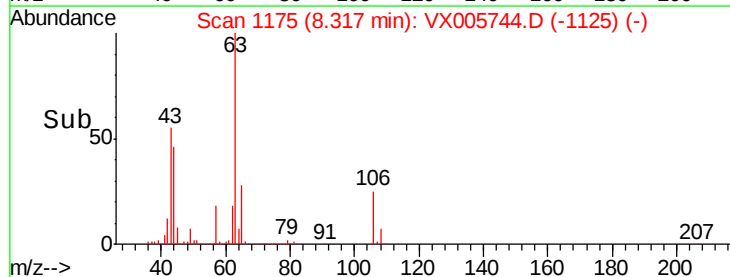
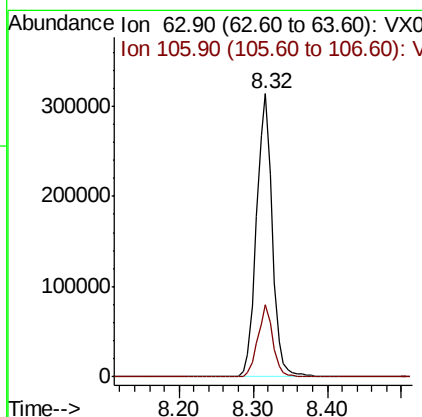
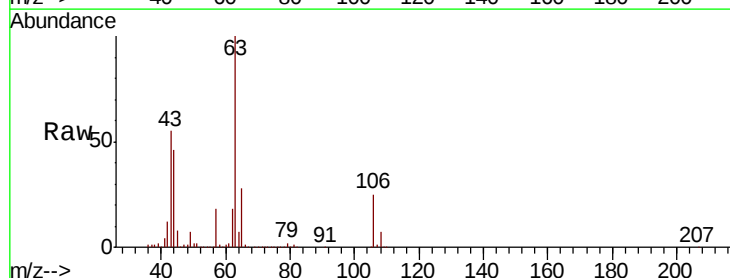
Manual Integrations
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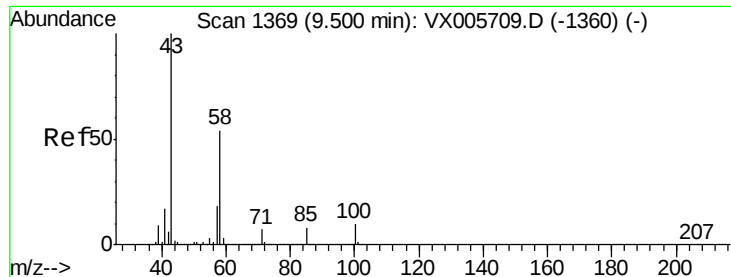
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#58
 2-Chloroethyl Vinyl ether
 Concen: 266.704 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.5	21.3	31.9





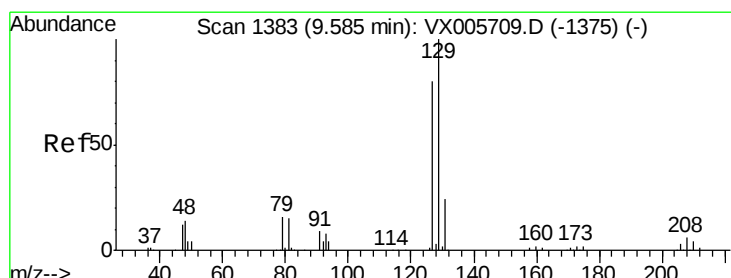
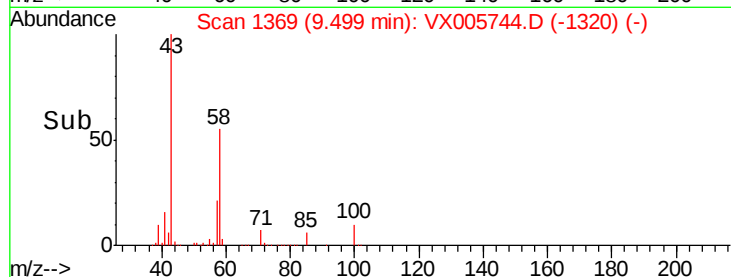
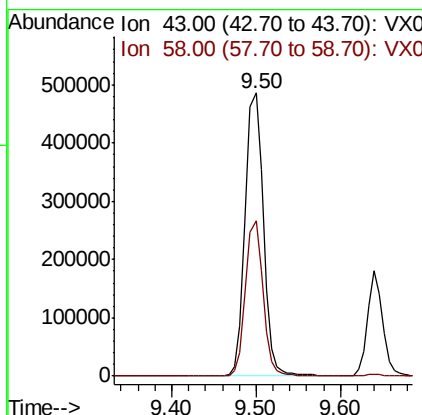
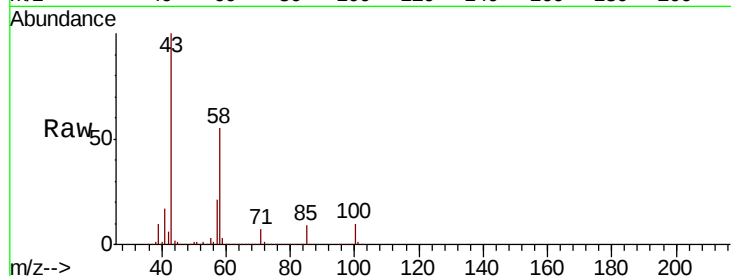
#59
2-Hexanone
Concen: 262.374 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 700627
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.8

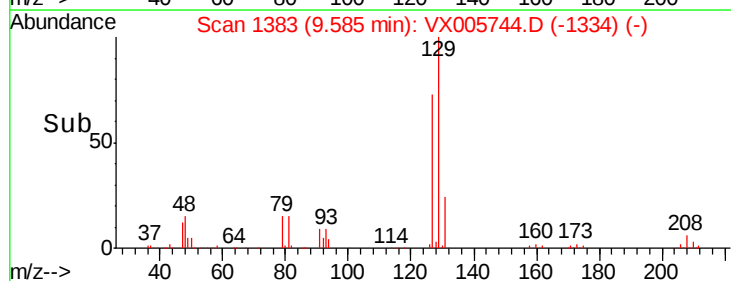
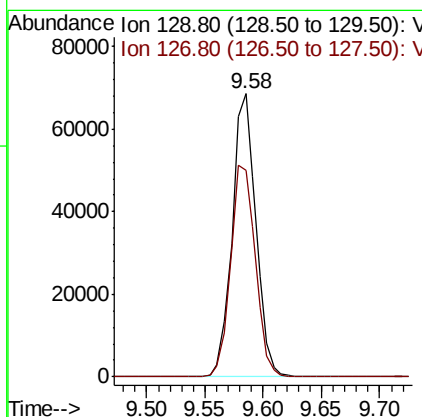
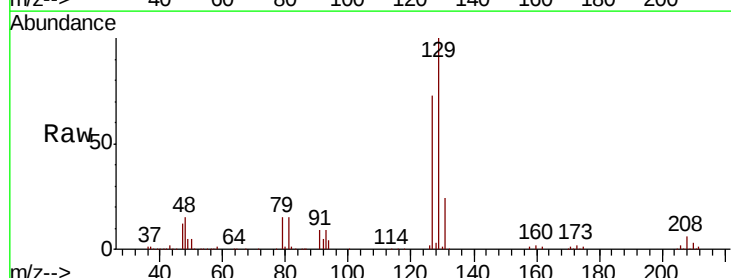
Manual Integrations
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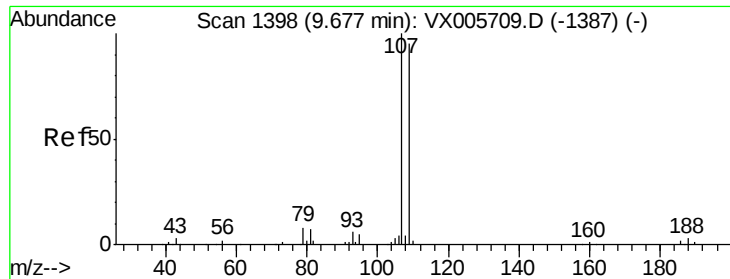
MMDadoda
11/5/2018 3:09:29 PM



#60
Dibromochloromethane
Concen: 55.456 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion: 129 Resp: 97323
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 52.311 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 96807

Ion Ratio Lower Upper

107 100

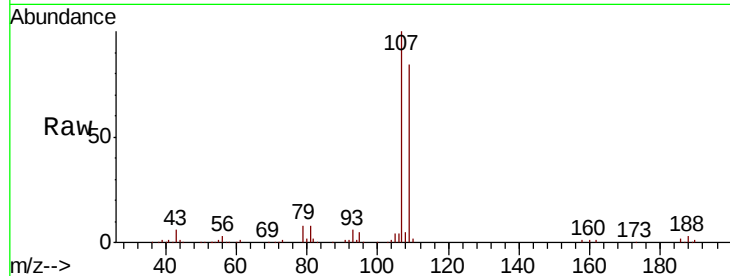
109 94.0 75.7 113.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

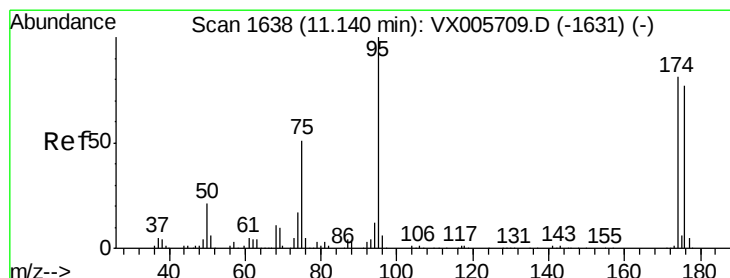
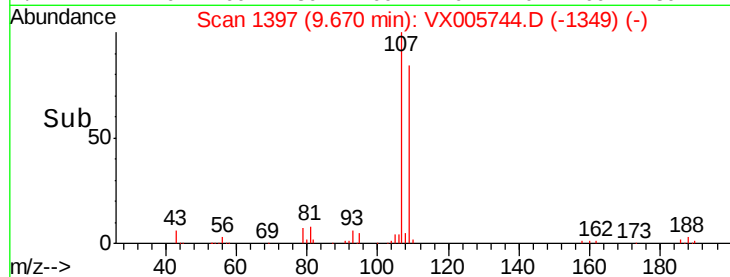
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.280 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

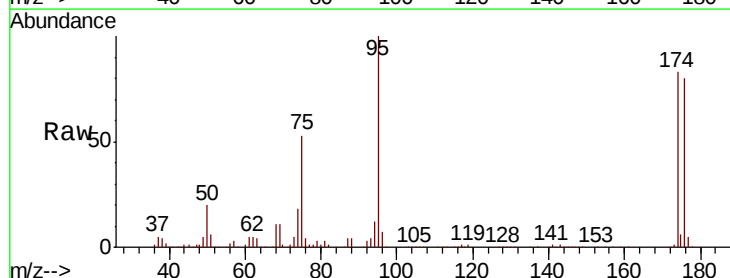
Tgt Ion: 95 Resp: 116484

Ion Ratio Lower Upper

95 100

174 78.3 0.0 184.4

176 76.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

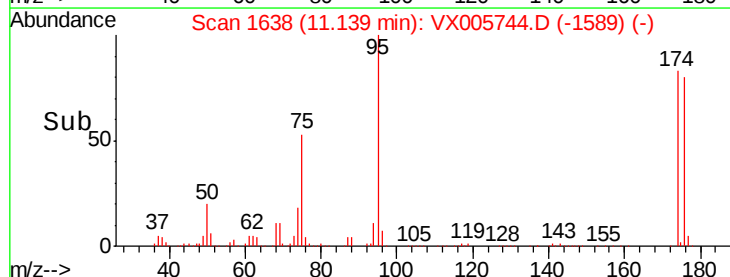
60000

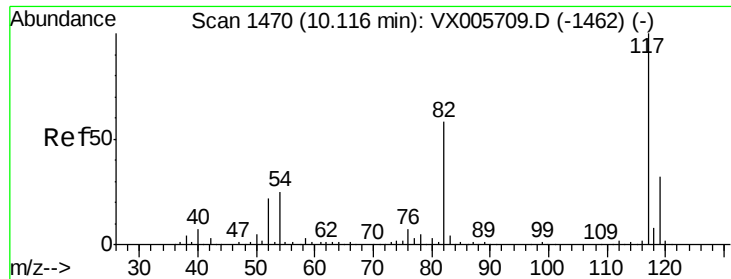
40000

20000

0

Time-->





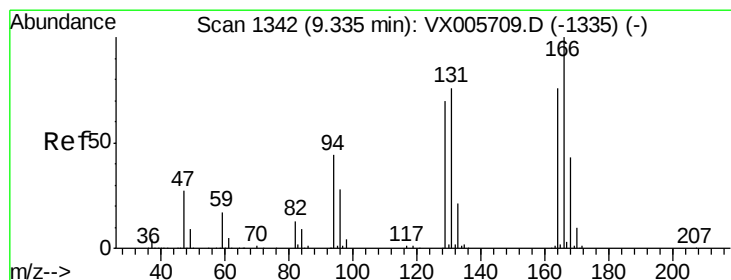
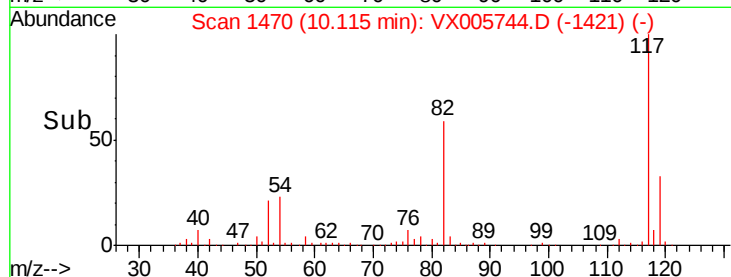
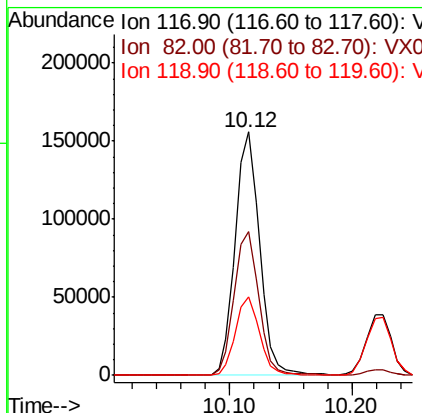
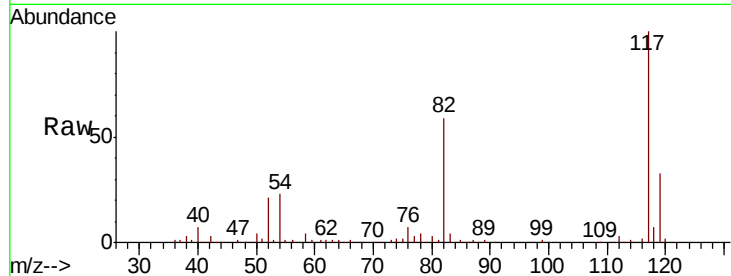
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	44.1	66.1
119	32.5	26.2	39.2

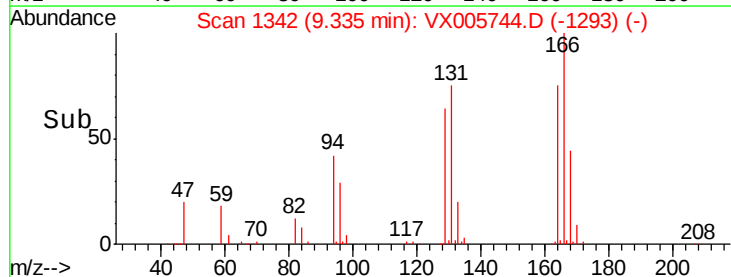
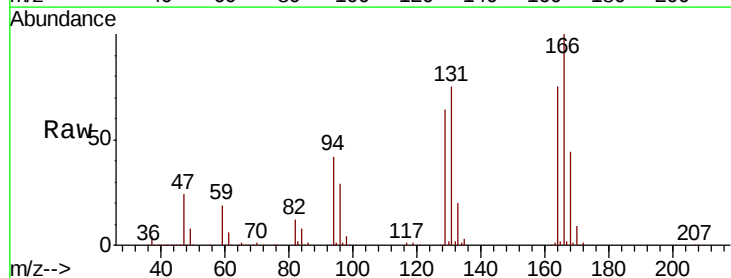
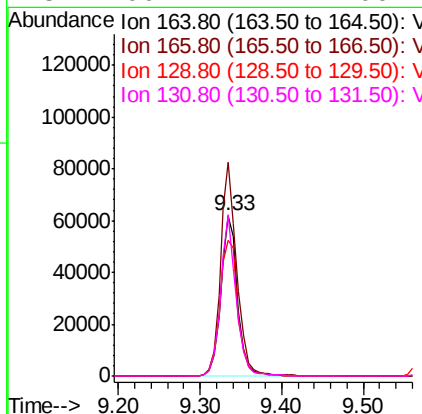
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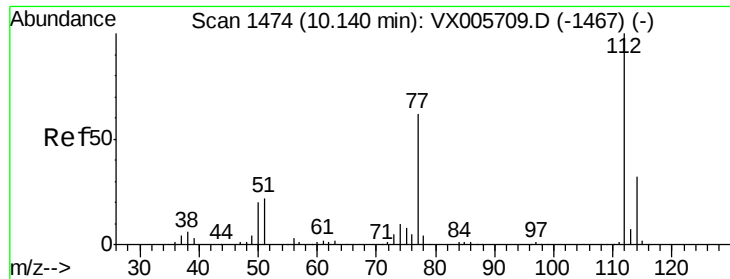
MMDadoda
11/5/2018 3:09:29 PM



#64
Tetrachloroethene
Concen: 55.359 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	101.9	152.9
129	84.9	72.6	109.0
131	100.4	71.1	106.7





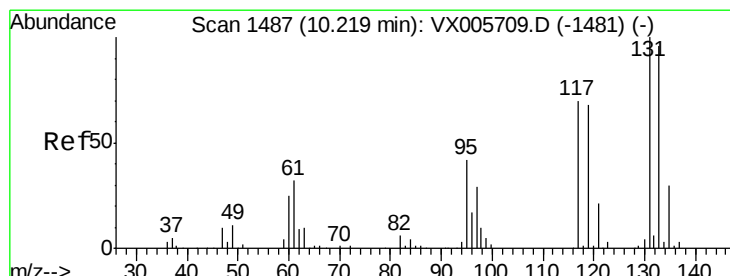
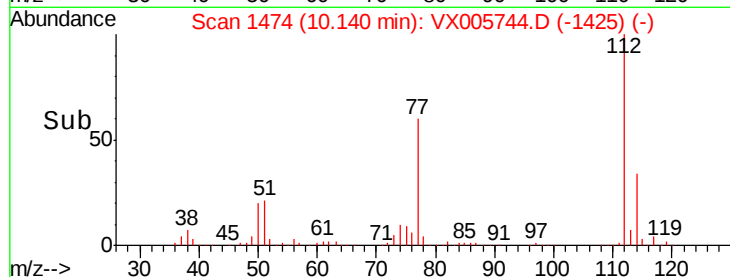
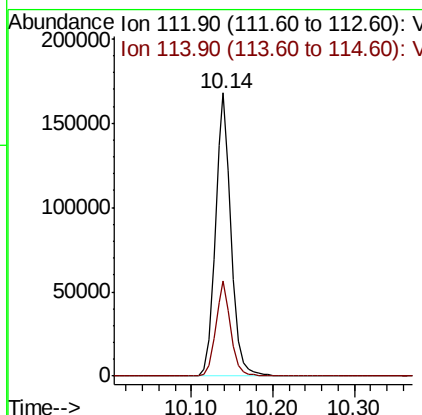
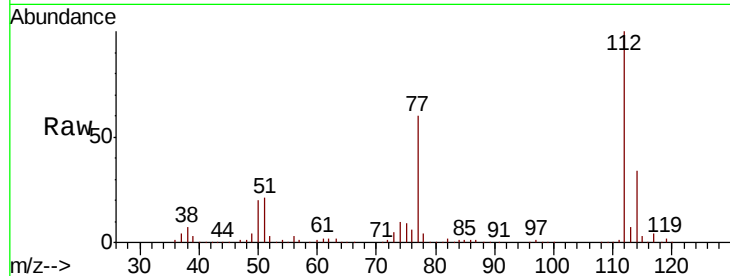
#65
Chlorobenzene
Concen: 49.603 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 227612
Ion Ratio Lower Upper
112 100
114 33.8 25.8 38.6

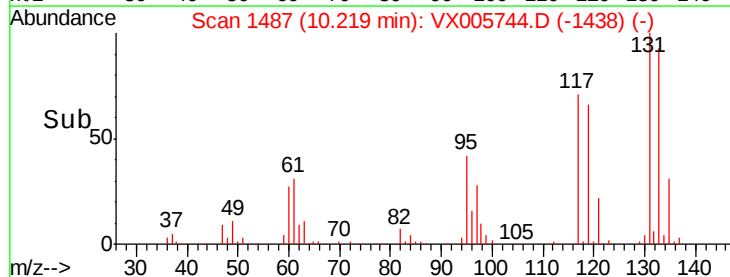
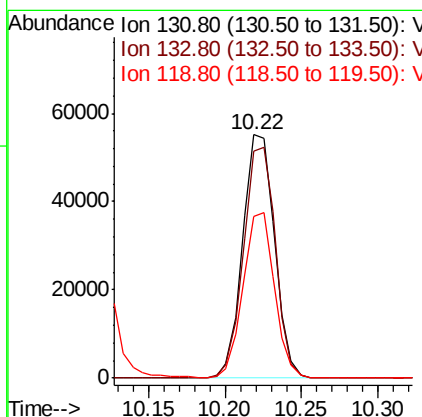
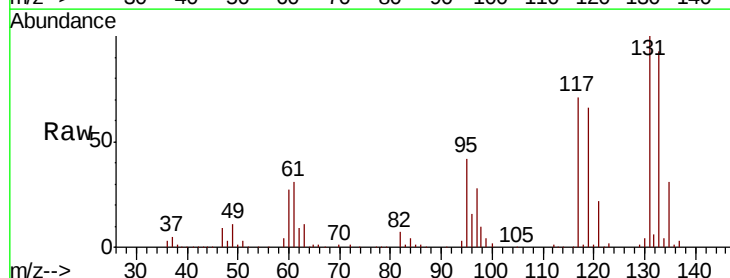
Manual Integrations
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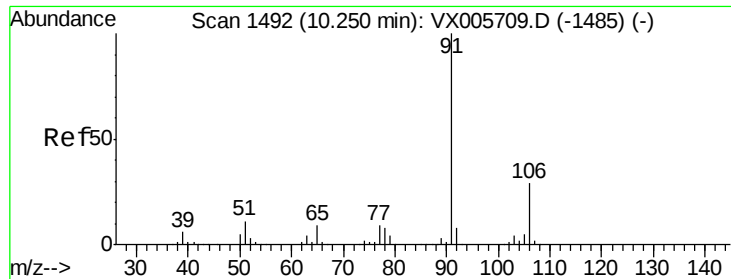
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.971 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion:131 Resp: 80069
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 67.1 31.8 95.3





#67

Ethyl Benzene

Concen: 52.802 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 413513

Ion Ratio Lower Upper

91 100

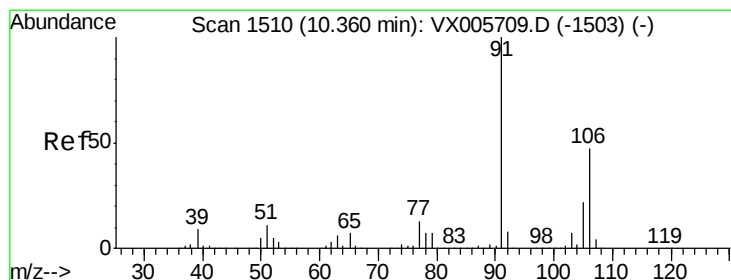
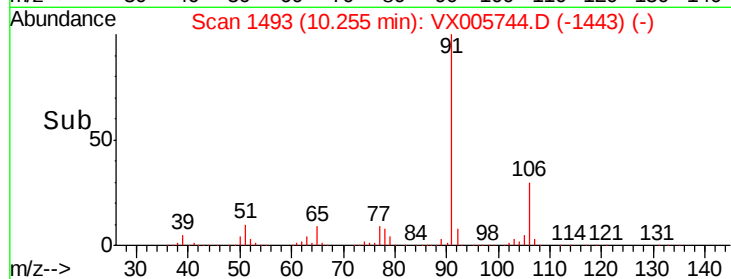
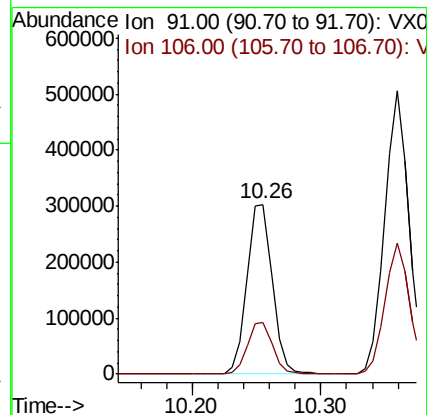
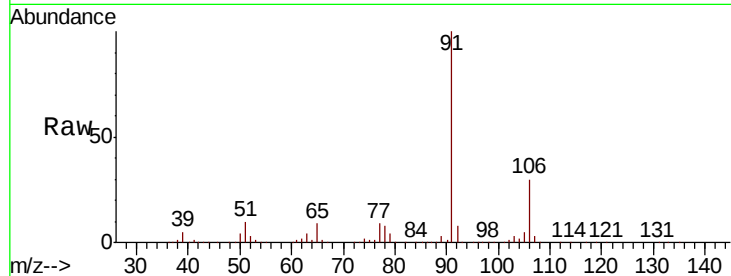
106 30.1 24.4 36.6

Manual Integrations

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MMDadoda

11/5/2018 3:09:29 PM



#68

m/p-Xylenes

Concen: 106.812 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005744.D

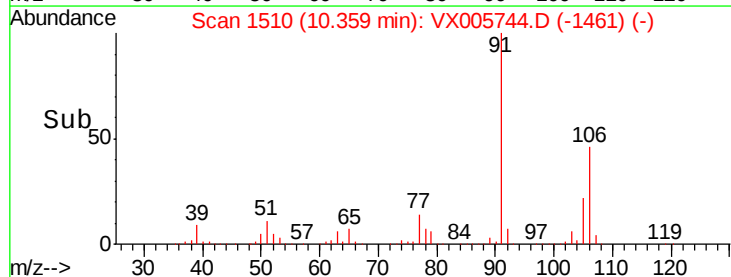
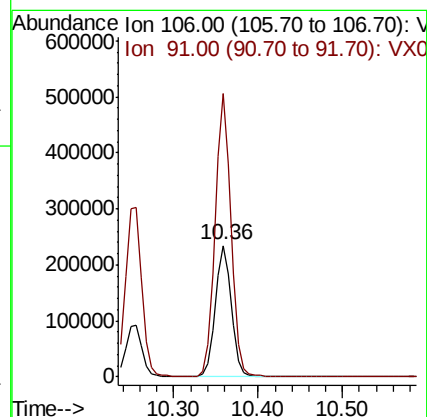
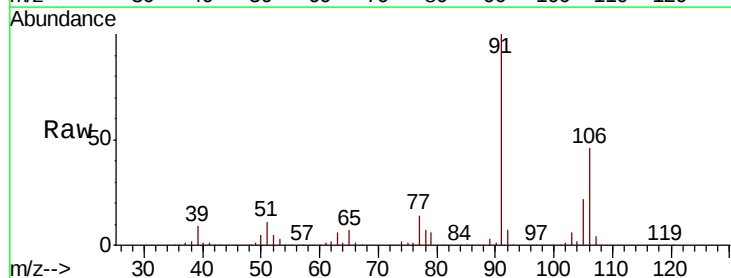
Acq: 02 Nov 2018 09:37

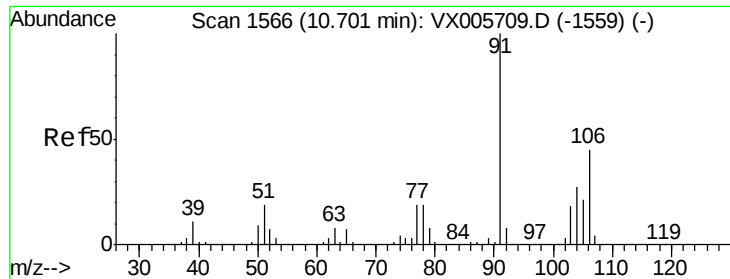
Tgt Ion: 106 Resp: 310825

Ion Ratio Lower Upper

106 100

91 212.6 164.2 246.4





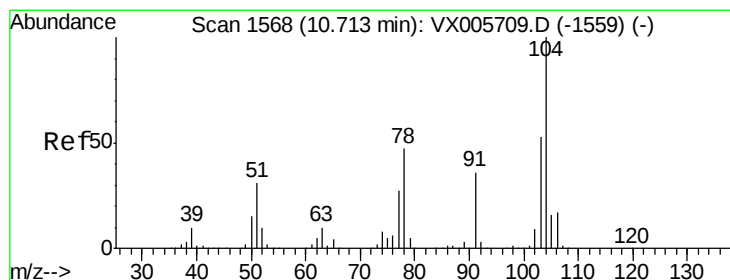
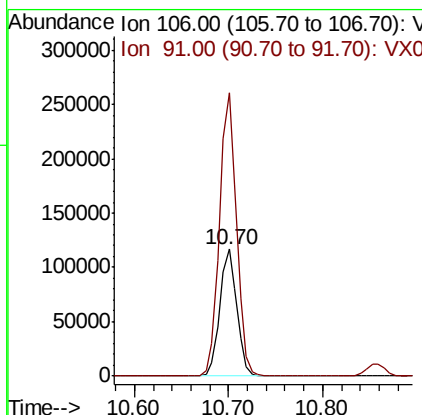
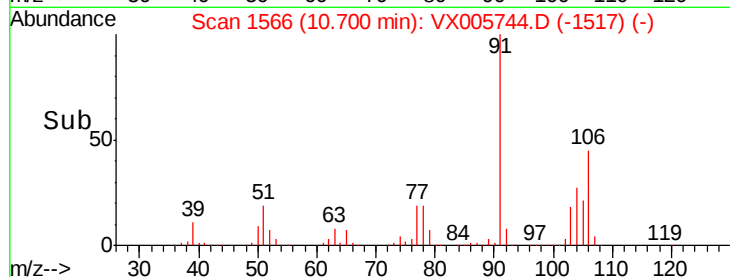
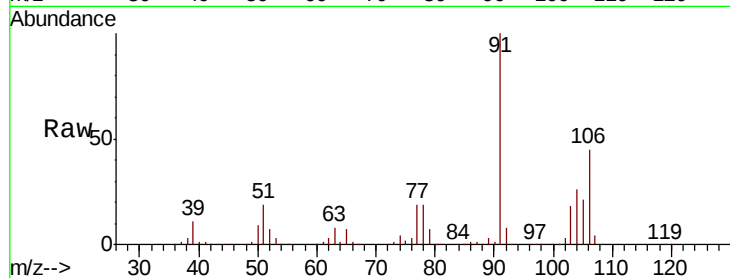
#69
o-Xylene
Concen: 52.860 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 147122
Ion Ratio Lower Upper
106 100
91 222.7 108.5 325.5

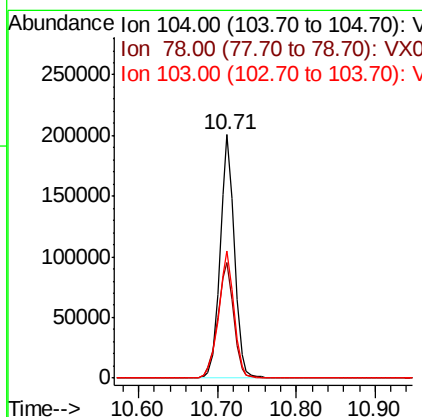
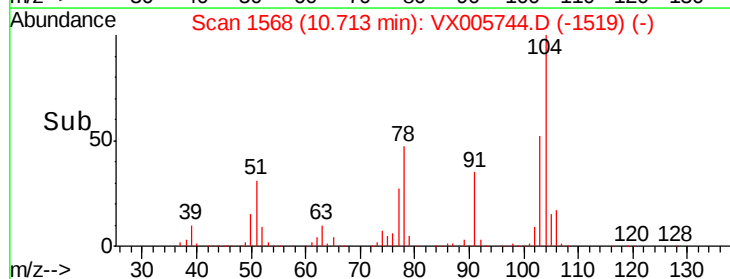
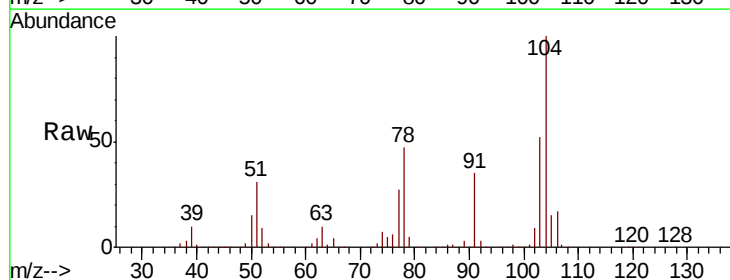
Manual Integrations
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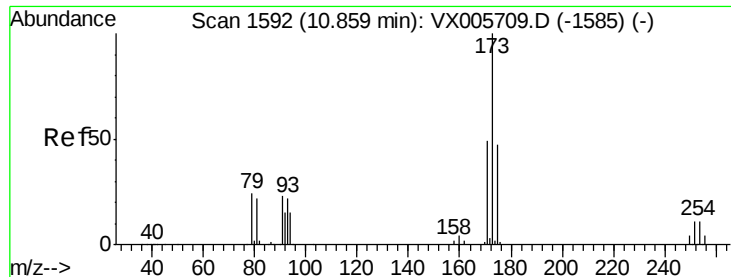
MMDadoda
11/5/2018 3:09:29 PM



#70
Styrene
Concen: 54.778 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion:104 Resp: 253221
Ion Ratio Lower Upper
104 100
78 53.0 40.2 60.4
103 56.4 44.9 67.3





#71

Bromoform

Concen: 52.783 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

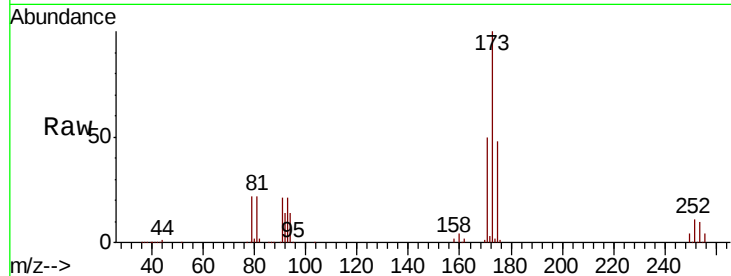
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.1	0.2	0.2

Manual Integrations
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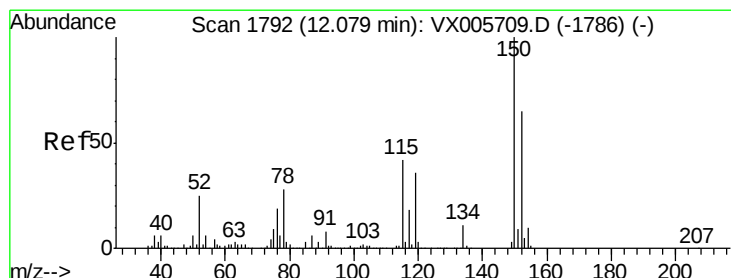
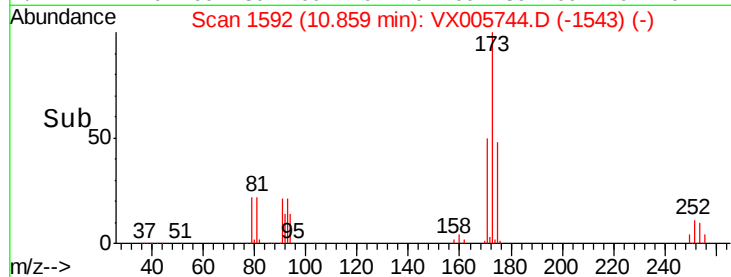
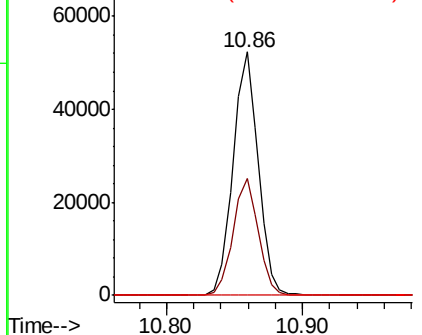


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

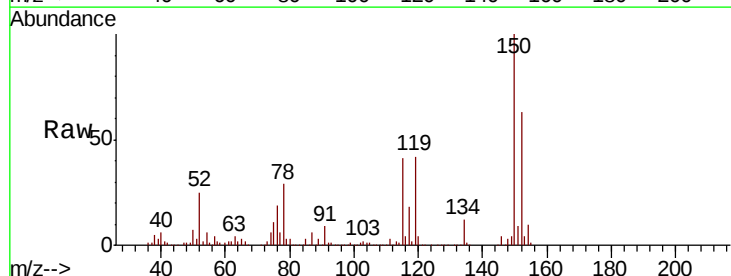
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	85.2	39.4	118.1
150	173.4	0.0	346.4

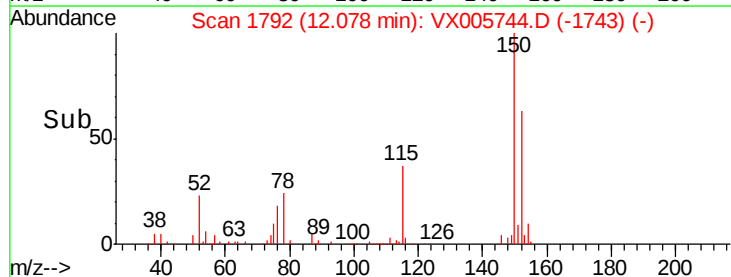
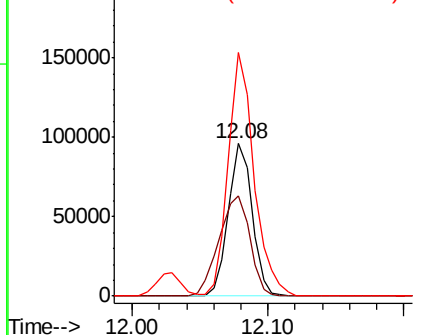


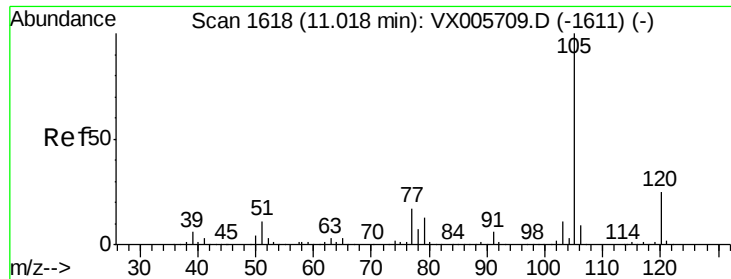
Abundance

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





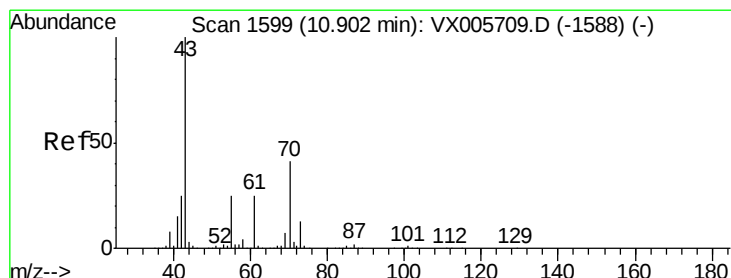
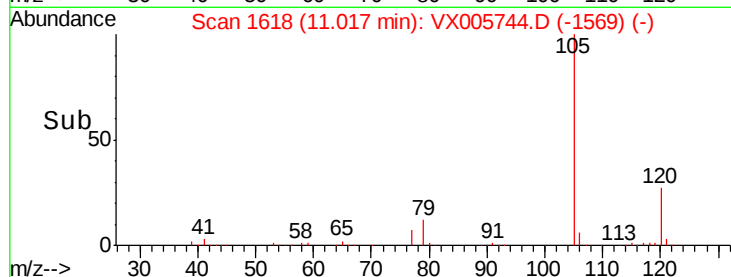
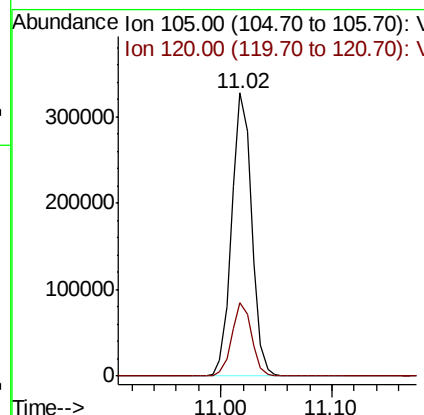
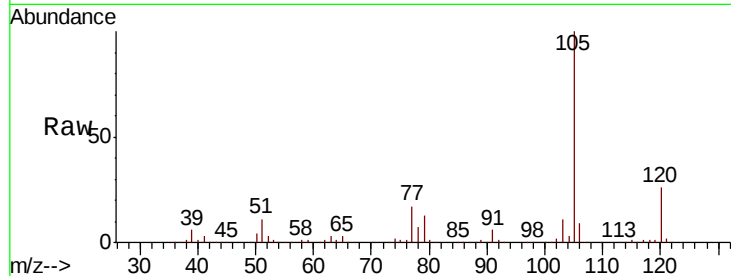
#73
Isopropylbenzene
Concen: 52.570 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 406611
Ion Ratio Lower Upper
105 100
120 25.7 13.1 39.3

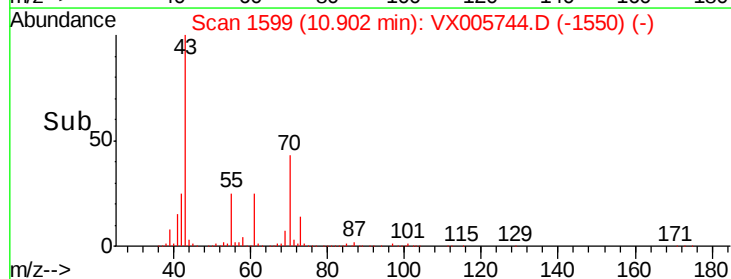
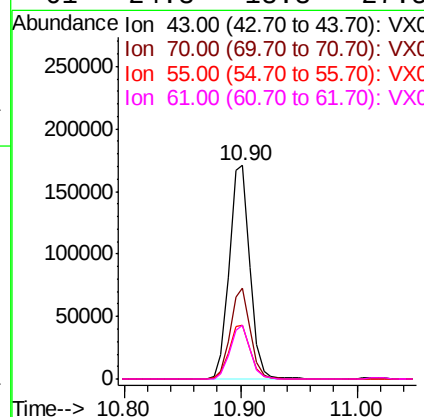
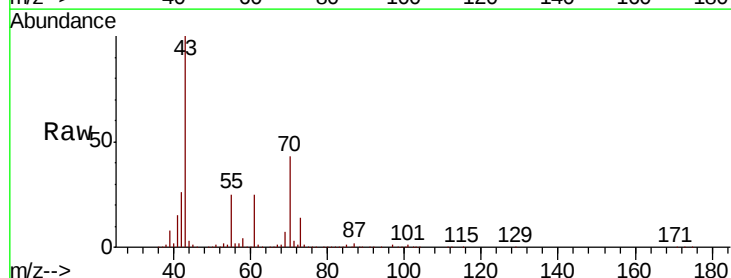
Manual Integrations
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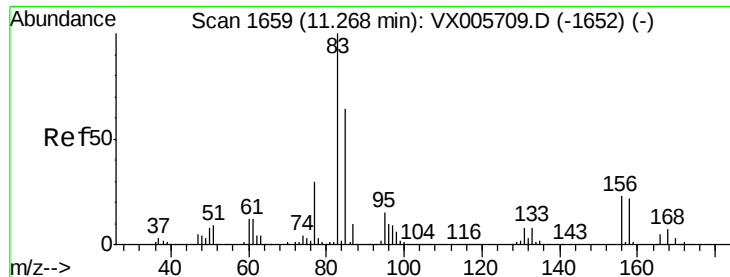
MMDadoda
11/5/2018 3:09:29 PM



#74
N-ethyl acetate
Concen: 50.719 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion: 43 Resp: 208861
Ion Ratio Lower Upper
43 100
70 41.1 31.6 47.4
55 25.7 19.7 29.5
61 24.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.226 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

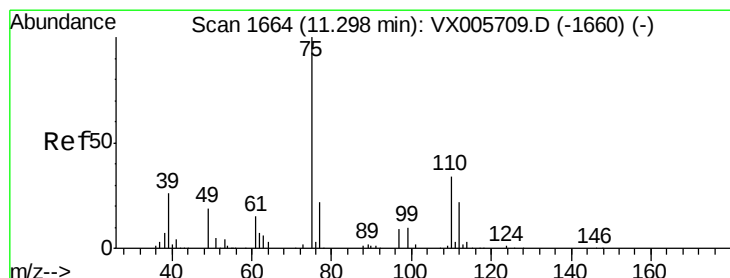
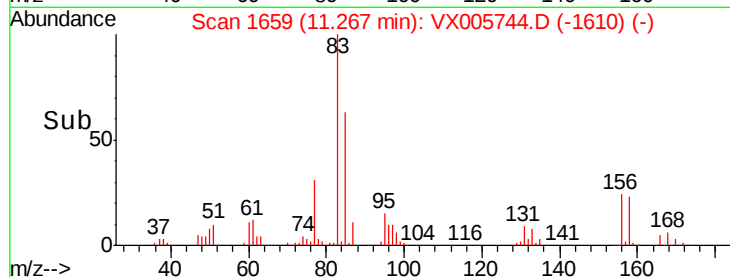
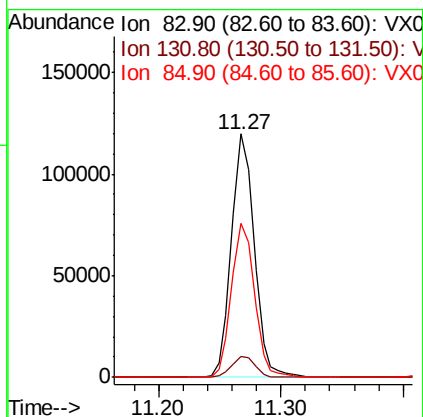
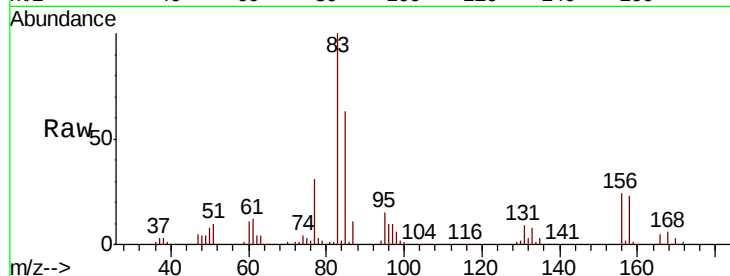
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	154754
Ion Ratio	Lower	Upper	
83	100		
131	9.1	5.3	15.9
85	64.2	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.170 ug/l m

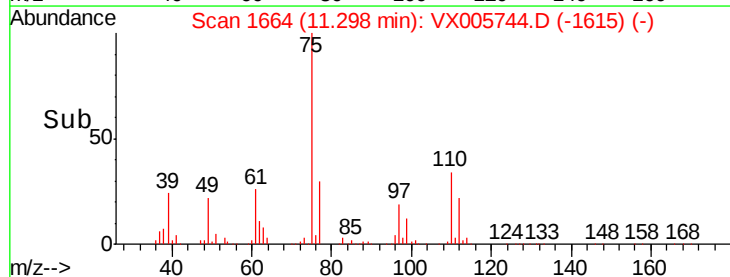
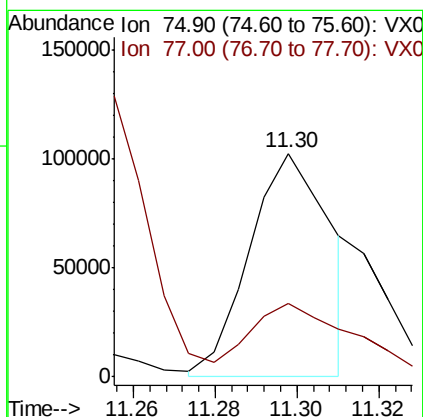
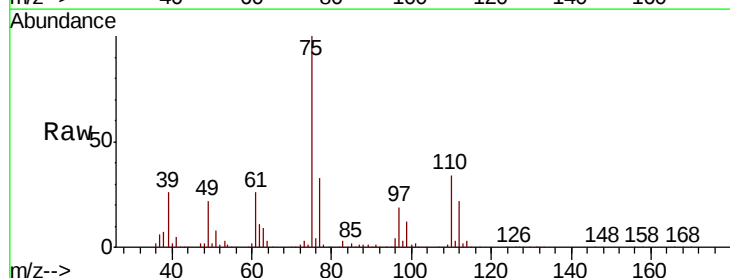
RT: 11.30 min Scan# 1664

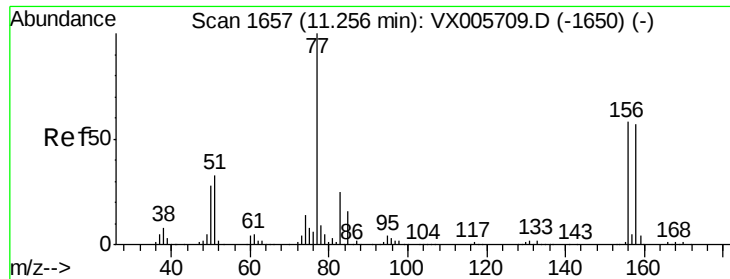
Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Tgt Ion:	75	Resp:	140653
Ion Ratio	Lower	Upper	
75	100		
77	42.3	20.5	61.6





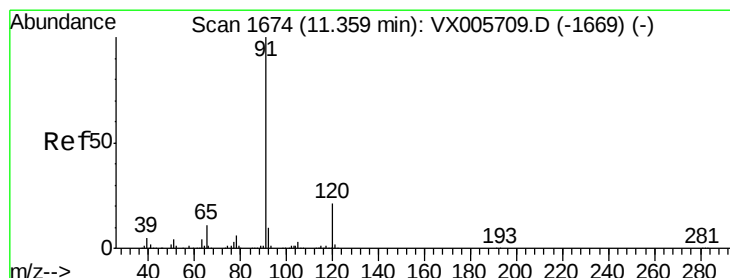
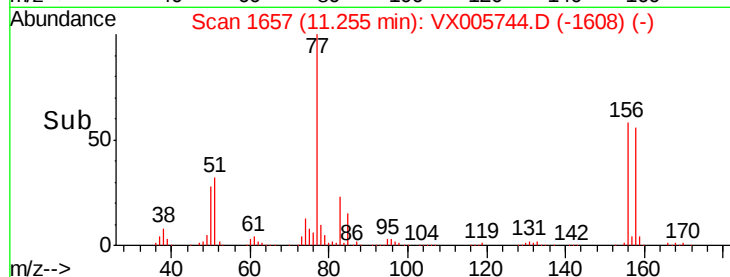
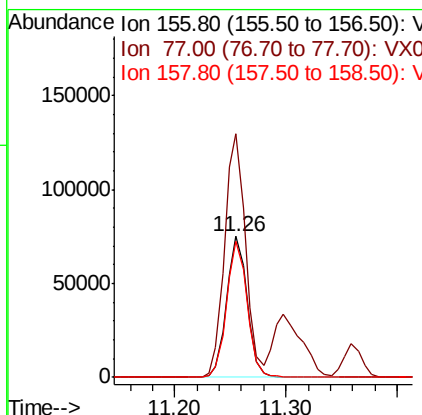
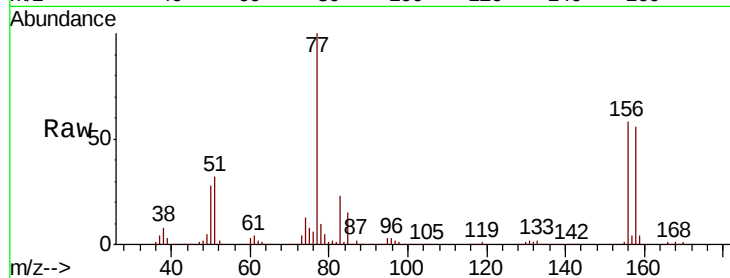
#77
Bromobenzene
Concen: 50.009 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.4	74.8	224.4
158	96.6	49.1	147.3

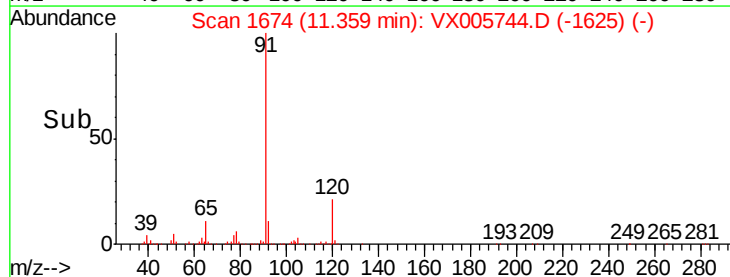
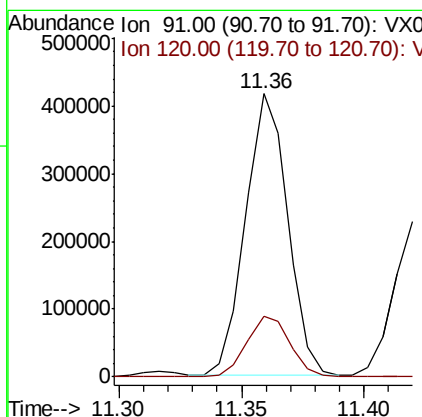
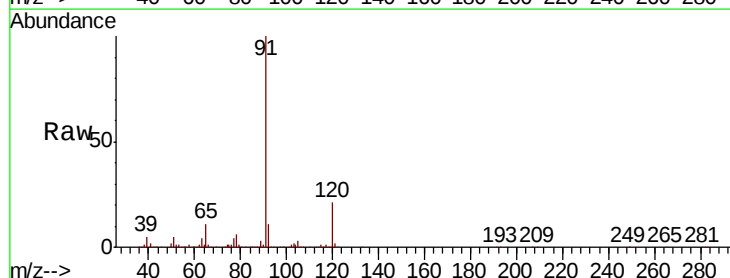
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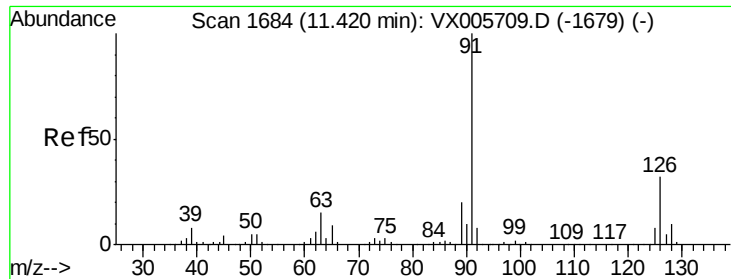
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#78
n-propylbenzene
Concen: 53.235 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.9	35.5





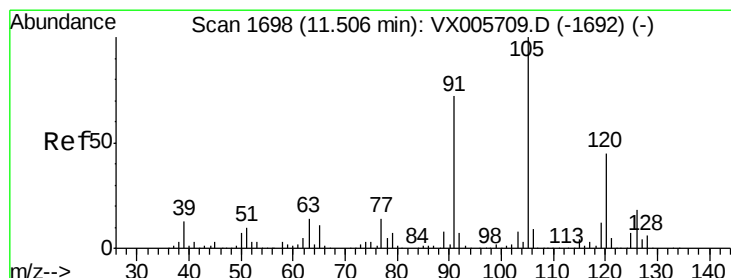
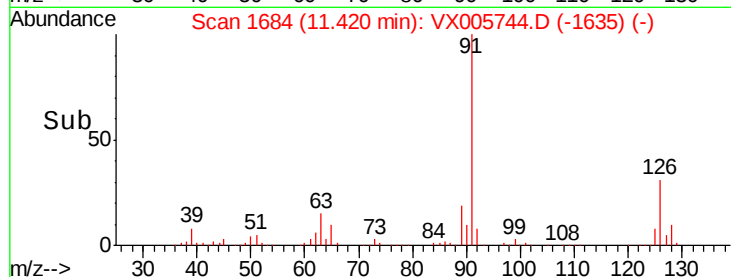
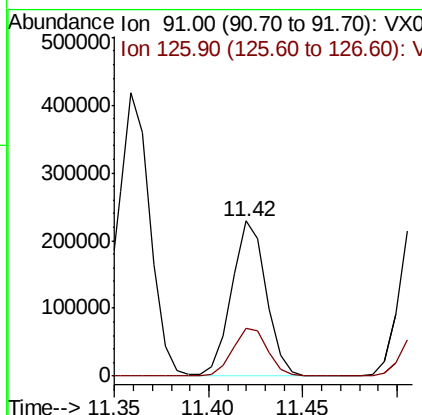
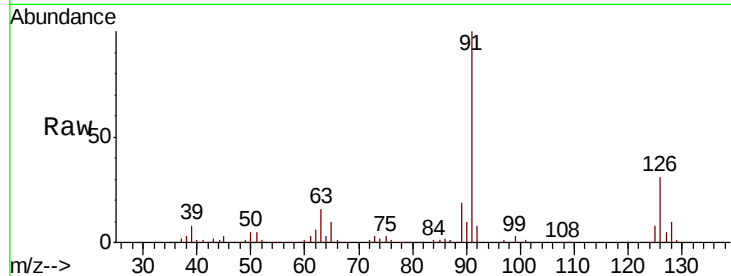
#79
2-Chlorotoluene
Concen: 51.338 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 288506
Ion Ratio Lower Upper
91 100
126 32.1 17.3 52.0

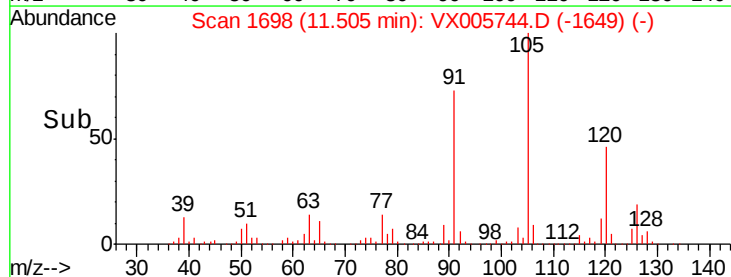
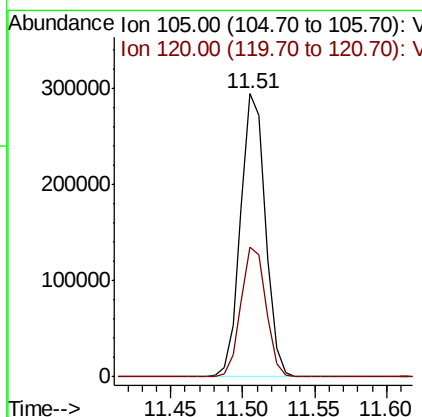
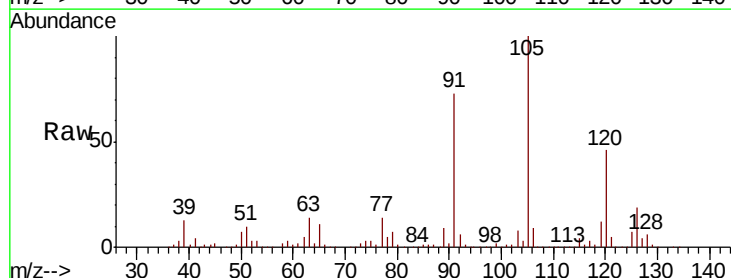
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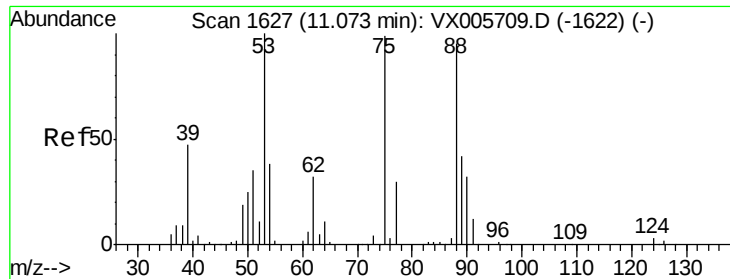
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#80
1,3,5-Trimethylbenzene
Concen: 53.705 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion: 105 Resp: 352701
Ion Ratio Lower Upper
105 100
120 46.5 24.1 72.2





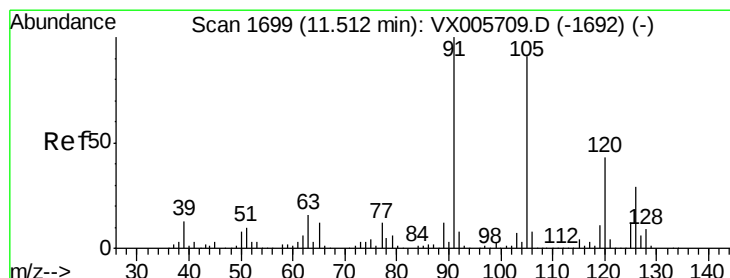
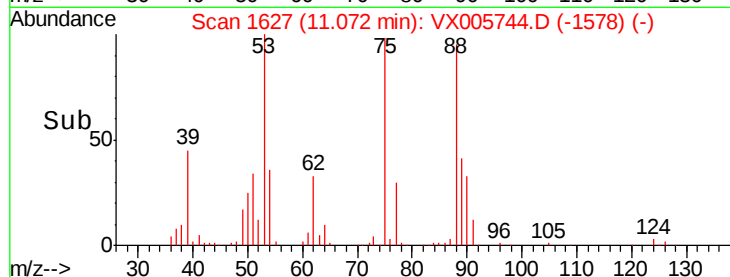
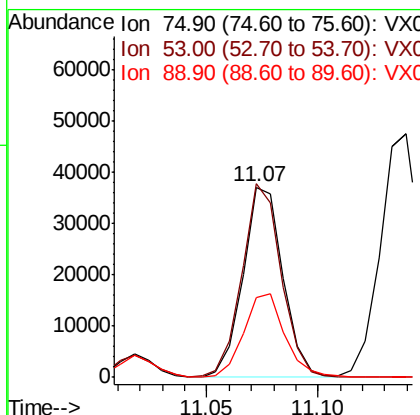
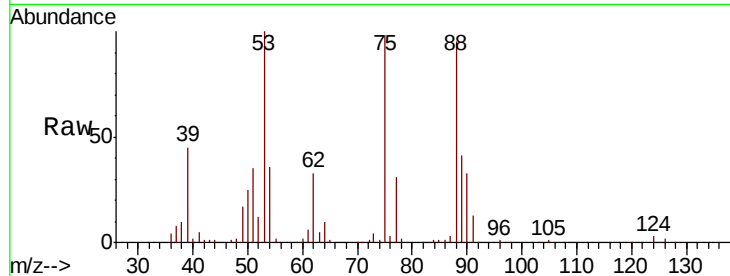
#81
trans-1,4-Dichloro-2-butene
Concen: 51.379 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	80.2	120.2
89	45.5	39.8	59.8

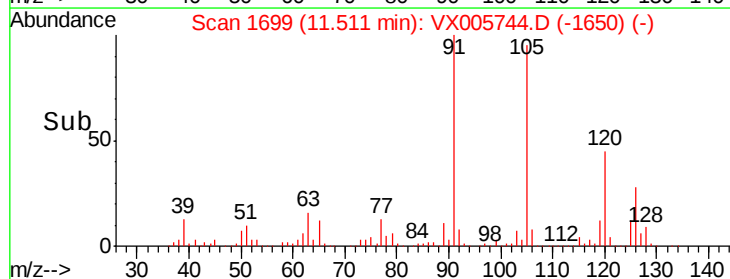
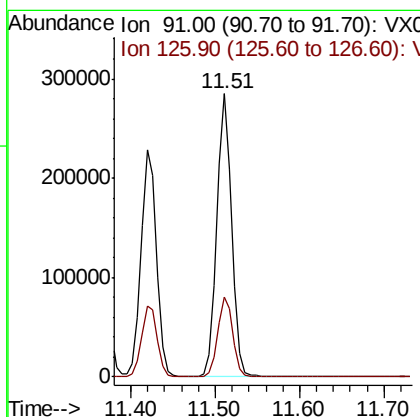
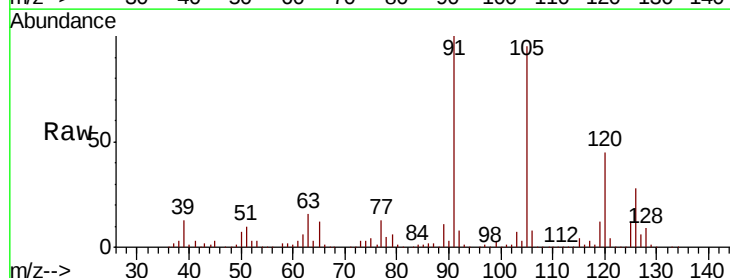
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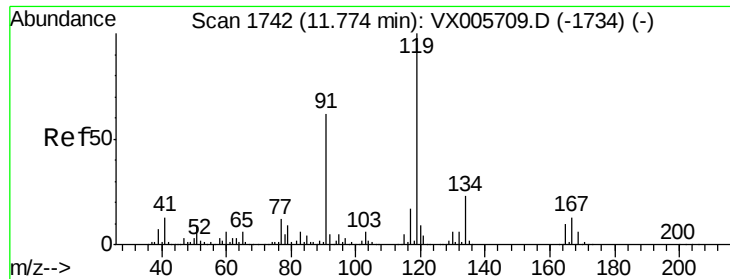
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#82
4-Chlorotoluene
Concen: 51.920 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	15.2	45.6





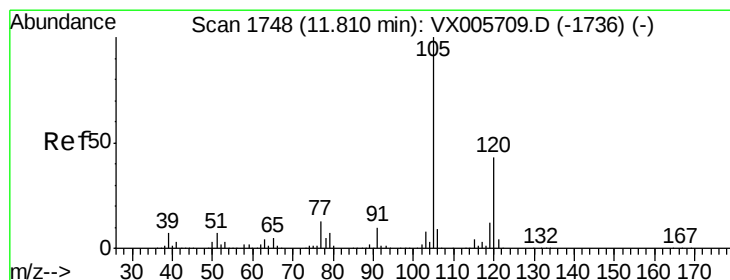
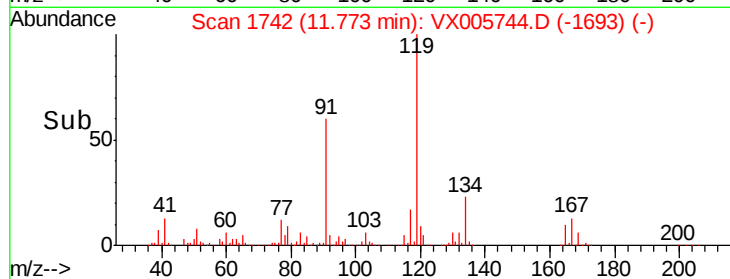
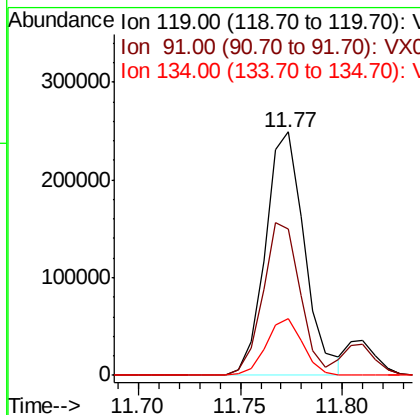
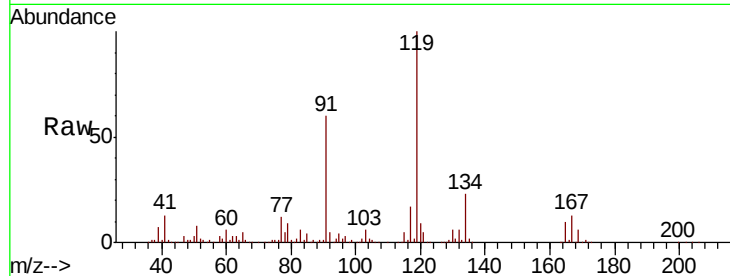
#83
tert-Butylbenzene
Concen: 52.955 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	331826		
91	59.8		28.5	85.5
134	22.0		11.3	33.8

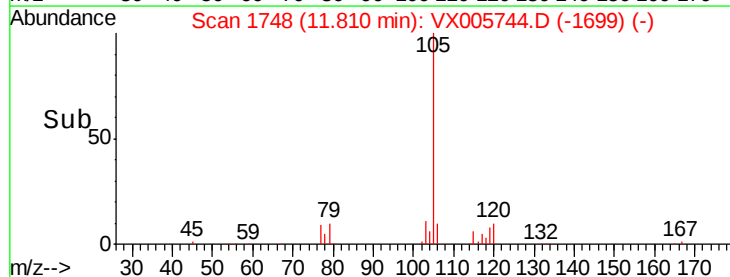
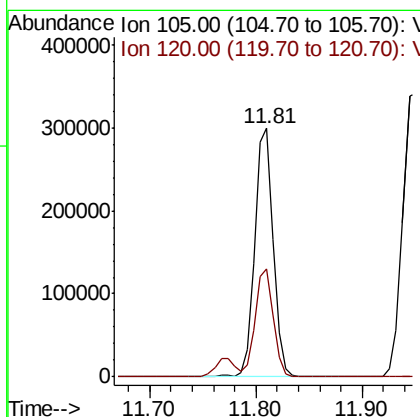
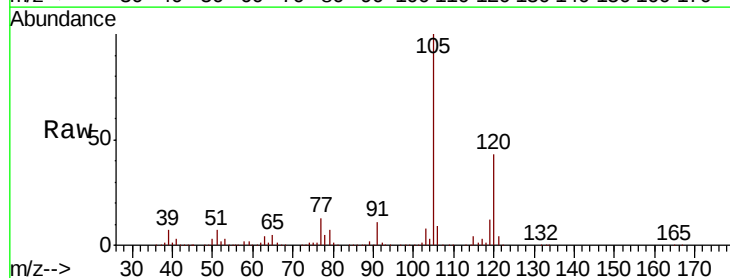
Manual Integrations
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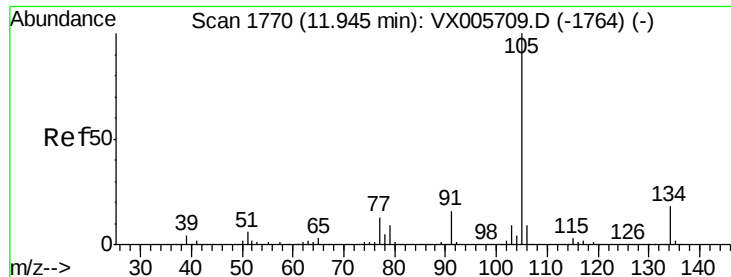
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#84
1,2,4-Trimethylbenzene
Concen: 54.892 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	364025		
120	42.8		22.4	67.0





#85

sec-Butylbenzene

Concen: 53.000 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 426016

Ion Ratio Lower Upper

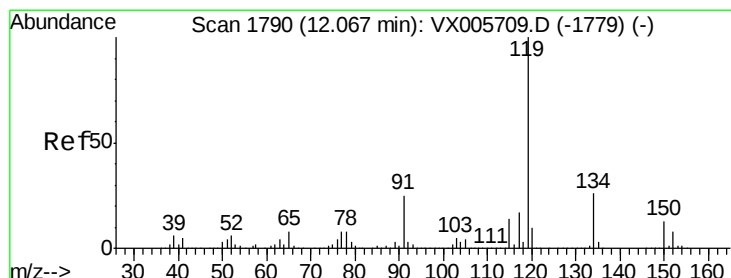
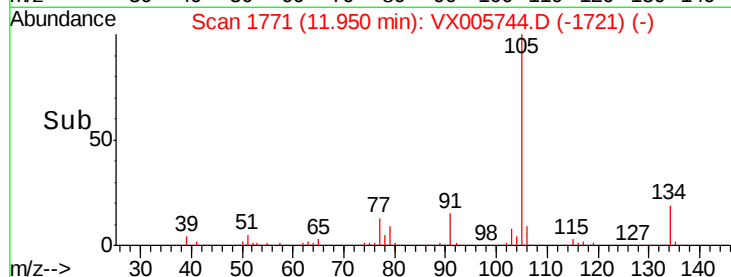
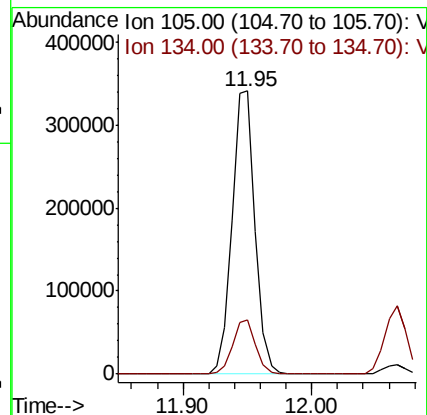
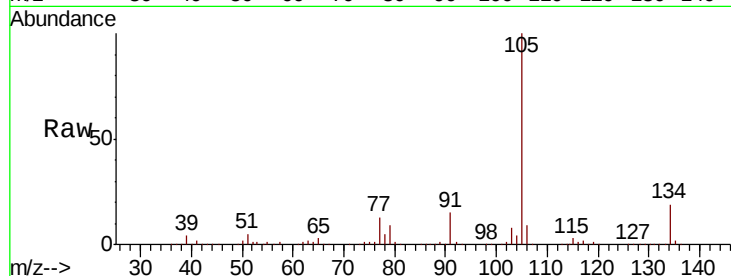
105 100

134 19.0 10.2 30.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 54.261 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005744.D

Acq: 02 Nov 2018 09:37

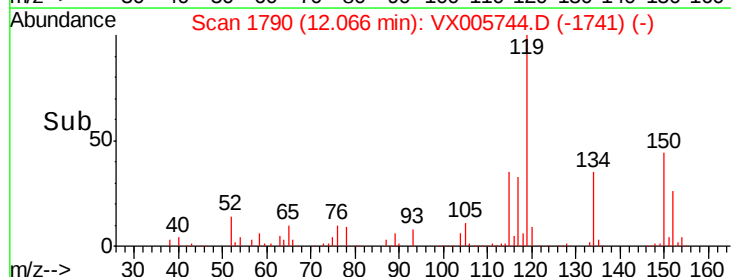
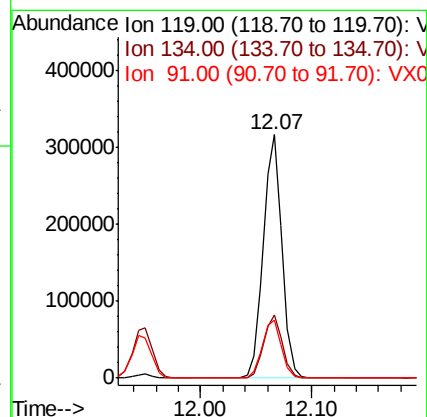
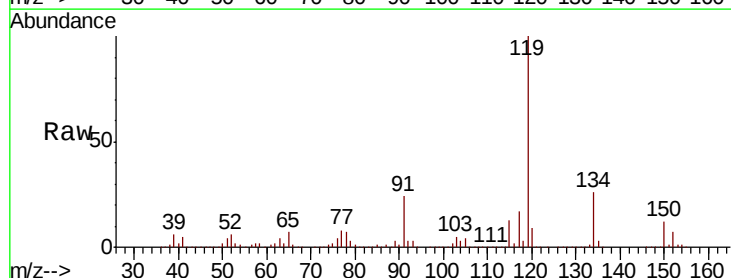
Tgt Ion:119 Resp: 370942

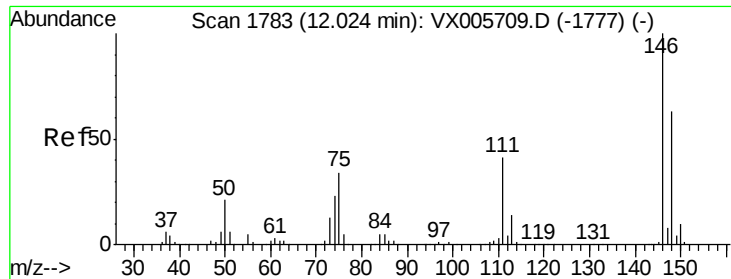
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 24.4 11.4 34.2





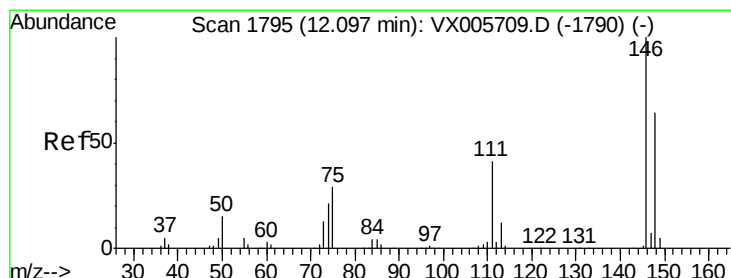
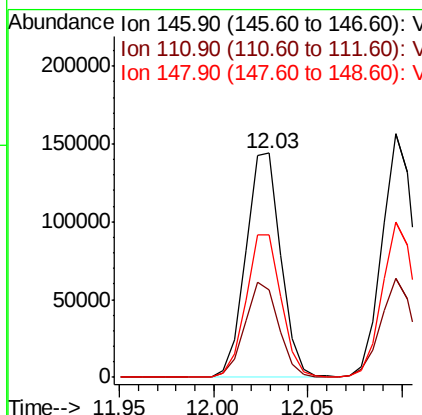
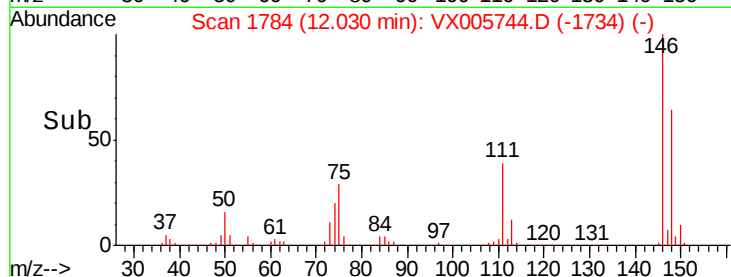
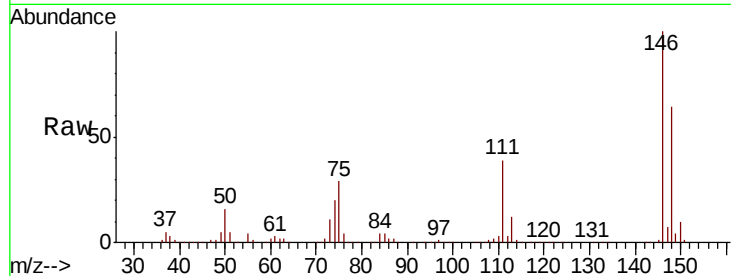
#87
 1,3-Dichlorobenzene
 Concen: 50.121 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.0	57.0
148	64.0	31.9	95.9

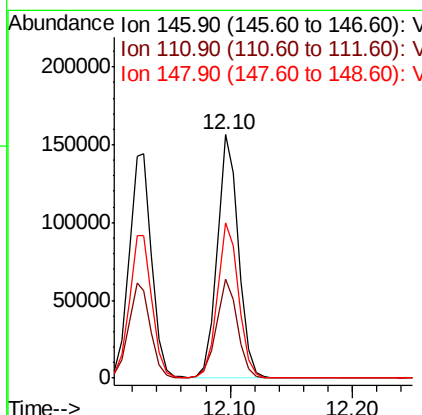
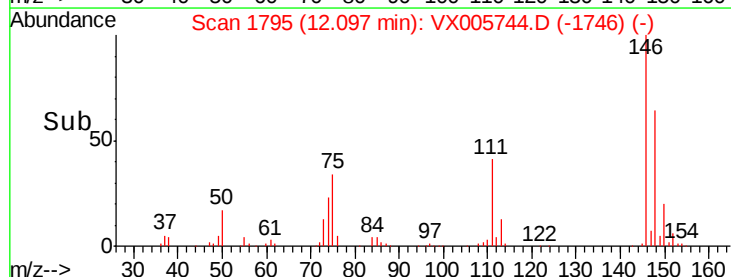
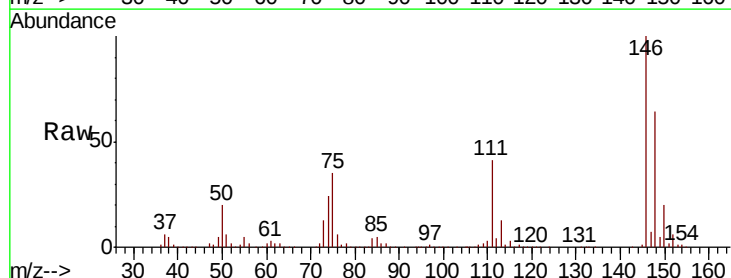
Manual Integrations
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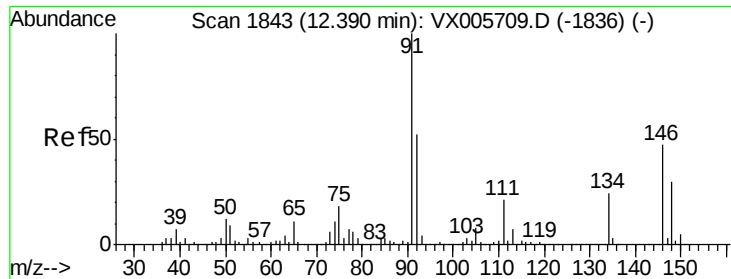
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#88
 1,4-Dichlorobenzene
 Concen: 47.519 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.6	55.8
148	64.1	32.1	96.3





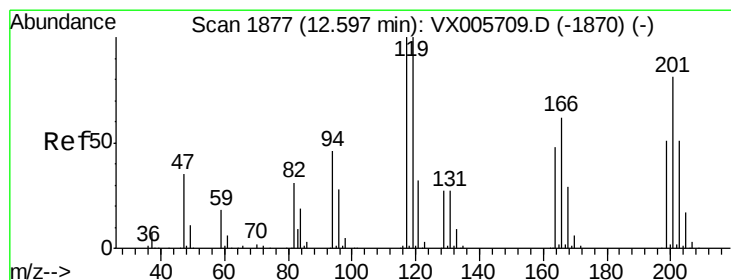
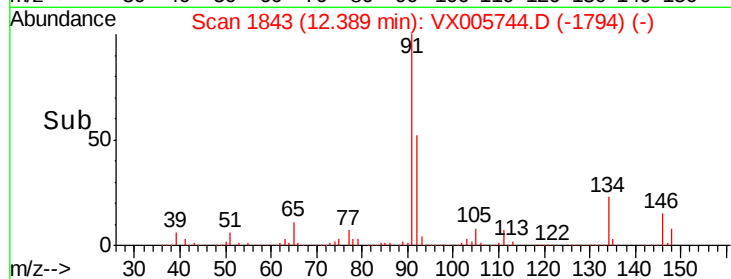
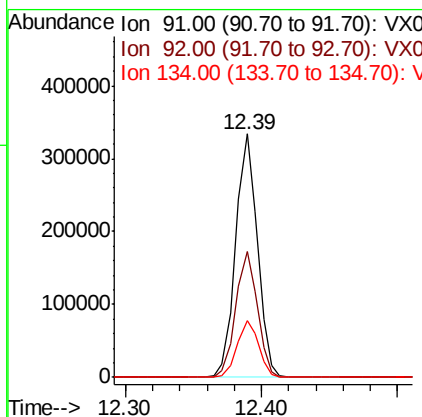
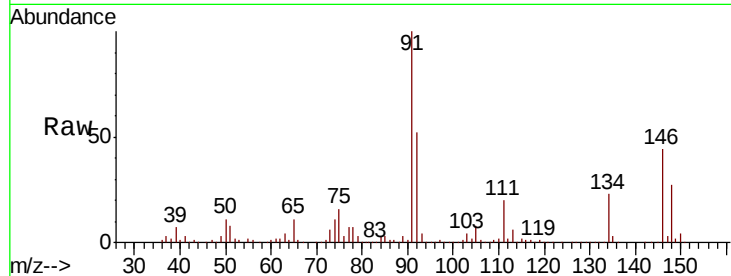
#89
n-Butylbenzene
Concen: 53.901 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	23.4	13.1	39.3

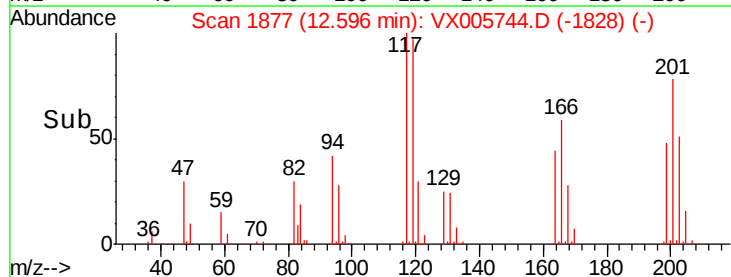
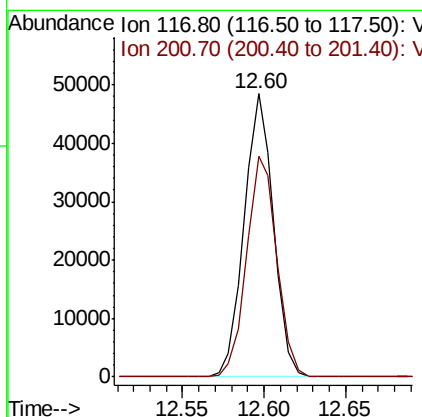
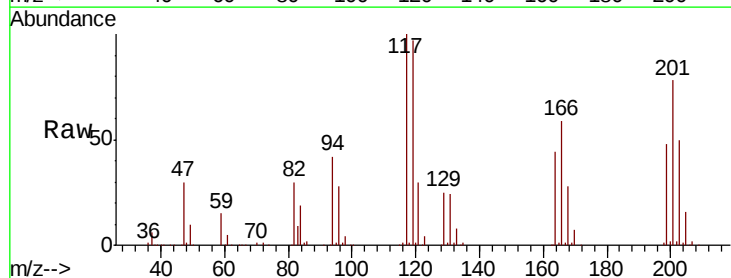
Manual Integrations
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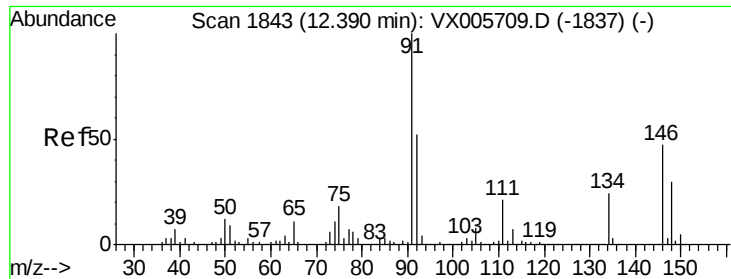
MMDadoda
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#90
Hexachloroethane
Concen: 49.971 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	47.9	143.6





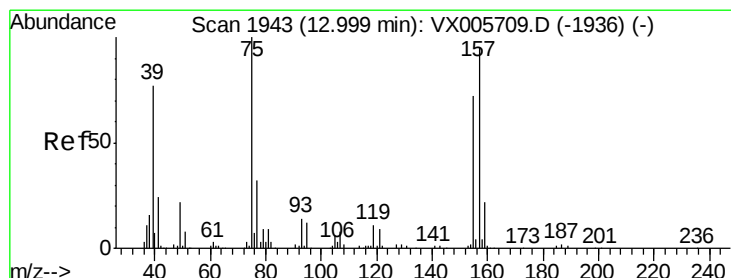
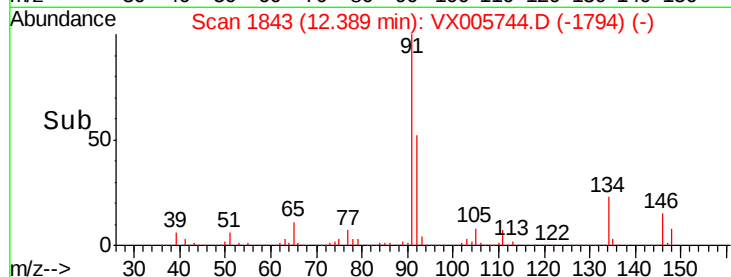
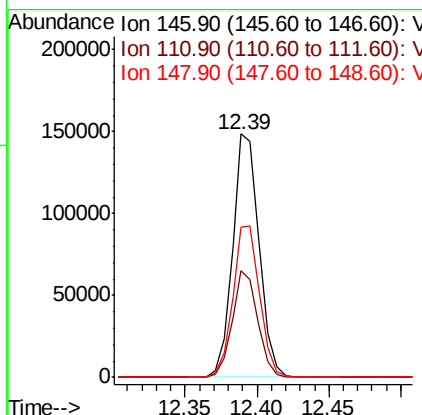
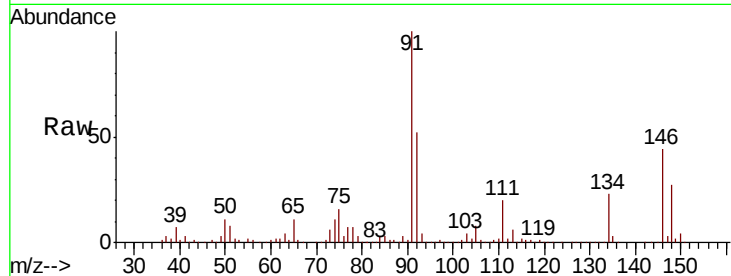
#91
 1,2-Dichlorobenzene
 Concen: 49.066 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.0	59.9
148	63.0	32.2	96.6

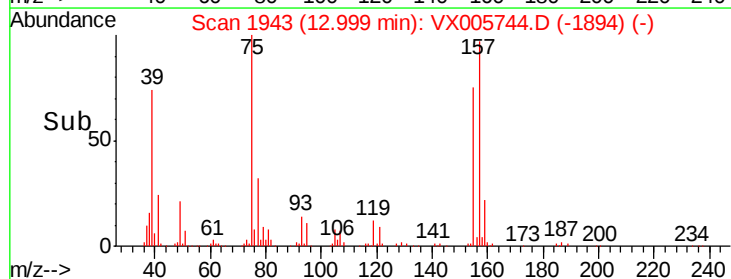
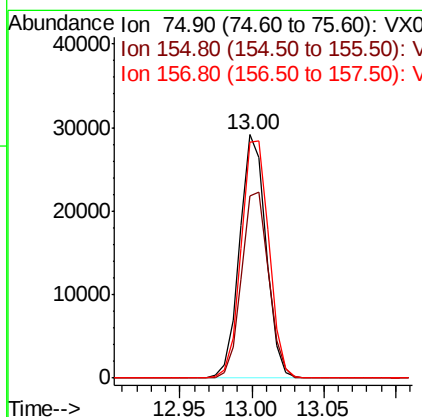
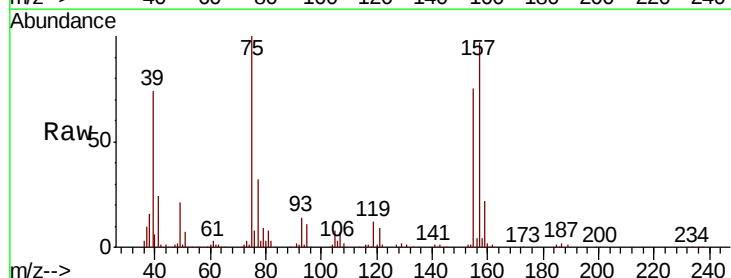
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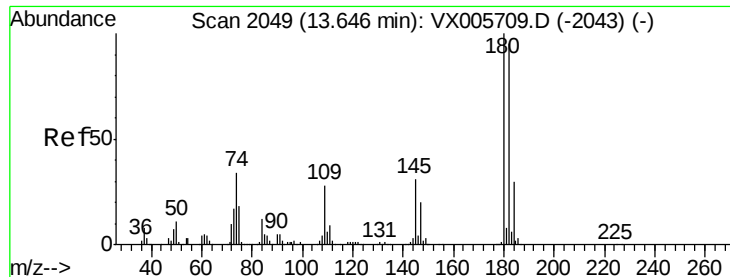
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.145 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	45.4	136.1
157	102.3	57.4	172.0





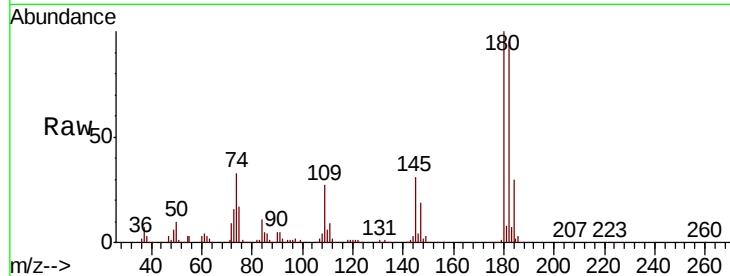
#93
 1,2,4-Trichlorobenzene
 Concen: 52.913 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

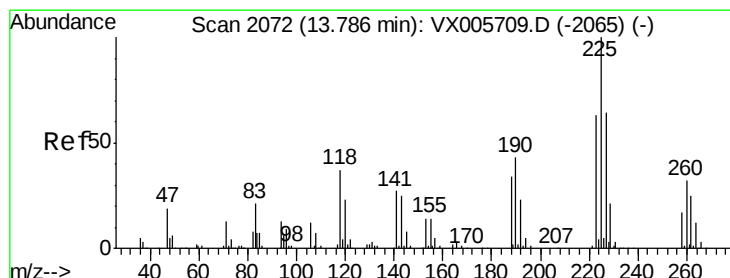
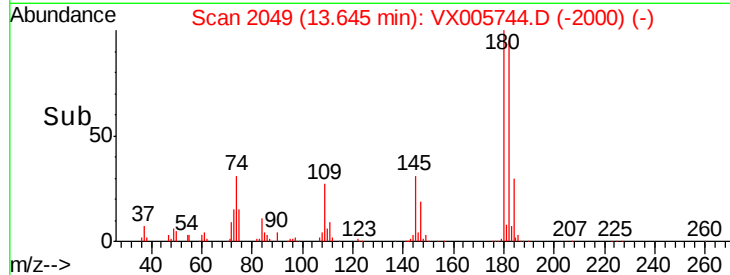
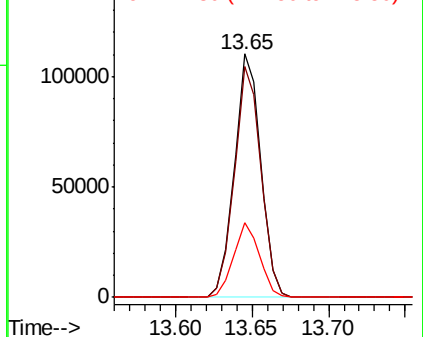
Tot Ion:	180	Resp:	131534
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.6	142.8
145	30.1	14.1	42.2

Manual Integrations
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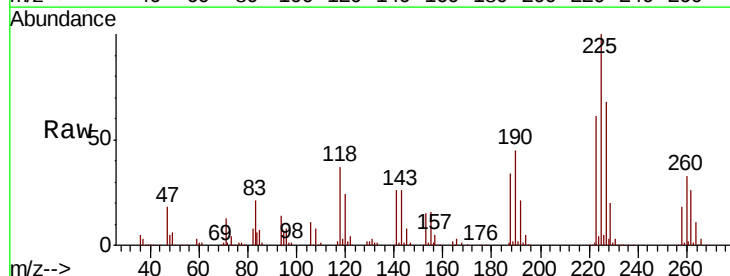


Abundance Ion 179.80 (179.50 to 180.50): V
 150000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

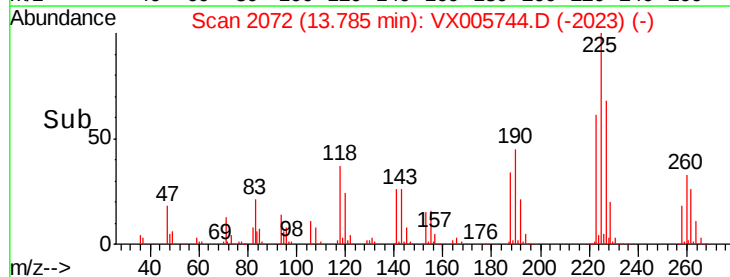
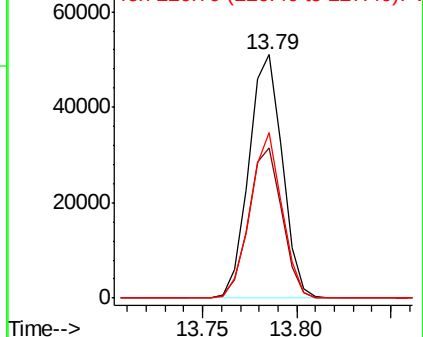


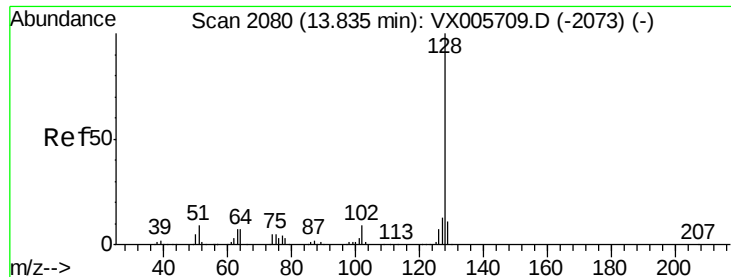
#94
 Hexachlorobutadiene
 Concen: 52.275 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005744.D
 Acq: 02 Nov 2018 09:37

Tgt Ion:	225	Resp:	62865
Ion Ratio	Lower	Upper	
225	100		
223	61.4	31.7	95.1
227	64.2	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 60000 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





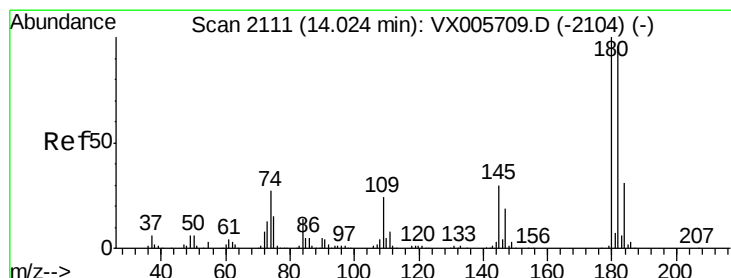
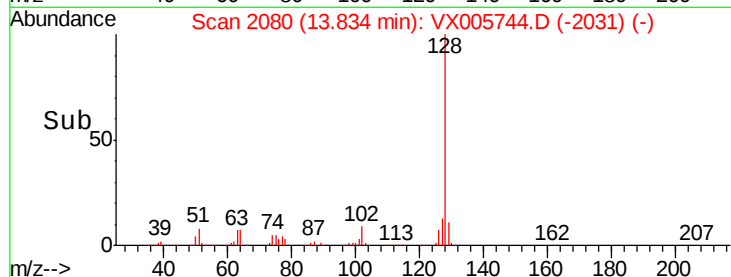
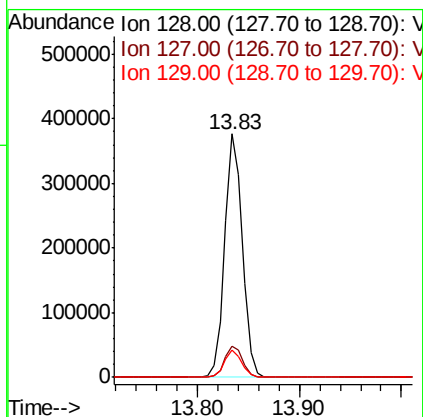
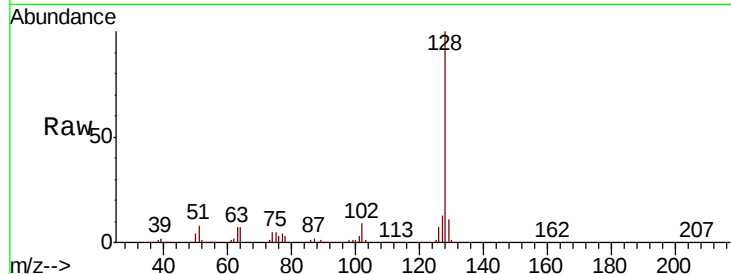
#95
Naphthalene
Concen: 55.071 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 52.502 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005744.D
Acq: 02 Nov 2018 09:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	32.3	15.1	45.3

