

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011019\
 Data File : VW008142.D
 Acq On : 10 Jan 2019 11:40
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 2:27:31 PM

Quant Time: Jan 11 05:47:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	122830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	111305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	38749	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.88	113	36795	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
50) Toluene-d8	10.32	98	157867	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.62	95	52868	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31558	54.850	ug/l	97
3) Chloromethane	2.21	50	39105	52.389	ug/l	99
4) Vinyl Chloride	2.37	62	52858	54.257	ug/l	97
5) Bromomethane	2.79	94	36110	49.480	ug/l	98
6) Chloroethane	2.93	64	34362	46.873	ug/l	99
7) Trichlorofluoromethane	3.26	101	41423	52.301	ug/l	93
8) Diethyl Ether	3.68	74	20961	46.815	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	40323	51.279	ug/l	97
10) Methyl Iodide	4.26	142	56672	49.450	ug/l	100
11) Tert butyl alcohol	5.21	59	11429	233.656	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	37708	48.843	ug/l	96
13) Acrolein	3.89	56	14567	276.308	ug/l	100
14) Allyl chloride	4.67	41	70823	50.526	ug/l	99
15) Acrylonitrile	5.37	53	42720	250.611	ug/l	99
16) Acetone	4.14	43	40730	289.306	ug/l	96
17) Carbon Disulfide	4.37	76	123257	51.107	ug/l	98
18) Methyl Acetate	4.67	43	25265	50.451	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	59687	47.555	ug/l	98
20) Methylene Chloride	4.91	84	40272	51.796	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	42755	50.961	ug/l	97
22) Diisopropyl ether	6.31	45	137175	51.313	ug/l	99
23) Vinyl Acetate	6.25	43	352700	251.210	ug/l	100
24) 1,1-Dichloroethane	6.21	63	78397	50.332	ug/l	100
25) 2-Butanone	7.17	43	55863	253.401	ug/l	99
26) 2,2-Dichloropropane	7.17	77	52645	49.882	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	45977	50.228	ug/l	98
28) Bromochloromethane	7.51	49	30230	49.068	ug/l	99
29) Tetrahydrofuran	7.53	42	36046	244.779	ug/l	99
30) Chloroform	7.67	83	75233	50.743	ug/l	100
31) Cyclohexane	7.95	56	79881	47.906	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	65834	51.032	ug/l	99
36) 1,1-Dichloropropene	8.08	75	64649	51.095	ug/l	99
37) Ethyl Acetate	7.26	43	24264	47.867	ug/l	98
38) Carbon Tetrachloride	8.07	117	59371	51.267	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82916	51.682	ug/l	91
40) Benzene	8.32	78	177748	51.795	ug/l	100
41) Methacrylonitrile	7.49	41	15783	49.289	ug/l	96
42) 1,2-Dichloroethane	8.40	62	47635	49.352	ug/l	100
43) Isopropyl Acetate	8.42	43	49009	48.356	ug/l	99
44) Trichloroethene	9.09	130	44396	50.537	ug/l	96
45) 1,2-Dichloropropane	9.37	63	44668	52.493	ug/l	96
46) Dibromomethane	9.46	93	20734	49.615	ug/l	99
47) Bromodichloromethane	9.65	83	54850	51.690	ug/l	98
48) Methyl methacrylate	9.44	41	24401	51.024	ug/l	98
49) 1,4-Dioxane	9.47	88	6627	986.077	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	120280	245.174	ug/l	99
52) Toluene	10.39	92	112338	51.257	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	54720	49.576	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	66605	50.888	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	30241	51.542	ug/l	97
56) Ethyl methacrylate	10.65	69	37209	51.209	ug/l	96
57) 1,3-Dichloropropane	10.93	76	52986	49.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	90090	240.028	ug/l	100
59) 2-Hexanone	10.97	43	86660	261.213	ug/l	97
60) Dibromochloromethane	11.13	129	33398	51.837	ug/l	99
61) 1,2-Dibromoethane	11.24	107	28320	50.869	ug/l	99
64) Tetrachloroethene	10.86	164	35647	49.211	ug/l	96
65) Chlorobenzene	11.66	112	118493	50.250	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	39116	51.001	ug/l	98
67) Ethyl Benzene	11.73	91	220231	51.043	ug/l	97
68) m/p-Xylenes	11.84	106	168719	102.450	ug/l	98
69) o-Xylene	12.17	106	78179	51.263	ug/l	96
70) Styrene	12.18	104	124742	52.221	ug/l	99
71) Bromoform	12.35	173	17979	52.377	ug/l #	97
73) Isopropylbenzene	12.47	105	214019	51.722	ug/l	99
74) N-amyl acetate	12.27	43	45049	49.161	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	33070	49.930	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	24493m	50.977	ug/l	
77) Bromobenzene	12.75	156	44482	50.875	ug/l	94
78) n-propylbenzene	12.81	91	263093	51.891	ug/l	100
79) 2-Chlorotoluene	12.90	91	142710	50.452	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	173569	51.044	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10705	51.884	ug/l	98
82) 4-Chlorotoluene	12.99	91	147388	49.473	ug/l	100
83) tert-Butylbenzene	13.21	119	152699	50.760	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	177050	50.484	ug/l	99
85) sec-Butylbenzene	13.39	105	225690	51.216	ug/l	99
86) p-Isopropyltoluene	13.51	119	195655	51.416	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	89778	50.619	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	88723	49.859	ug/l	98
89) n-Butylbenzene	13.83	91	194077	52.073	ug/l	99
90) Hexachloroethane	14.10	117	33993	52.887	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	76992	49.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5277	49.507	ug/l	99

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QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	53107	51.317	ug/l	99
94) Hexachlorobutadiene	15.24	225	30763	55.539	ug/l	98
95) Naphthalene	15.38	128	96906	50.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	45047	51.062	ug/l	98

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

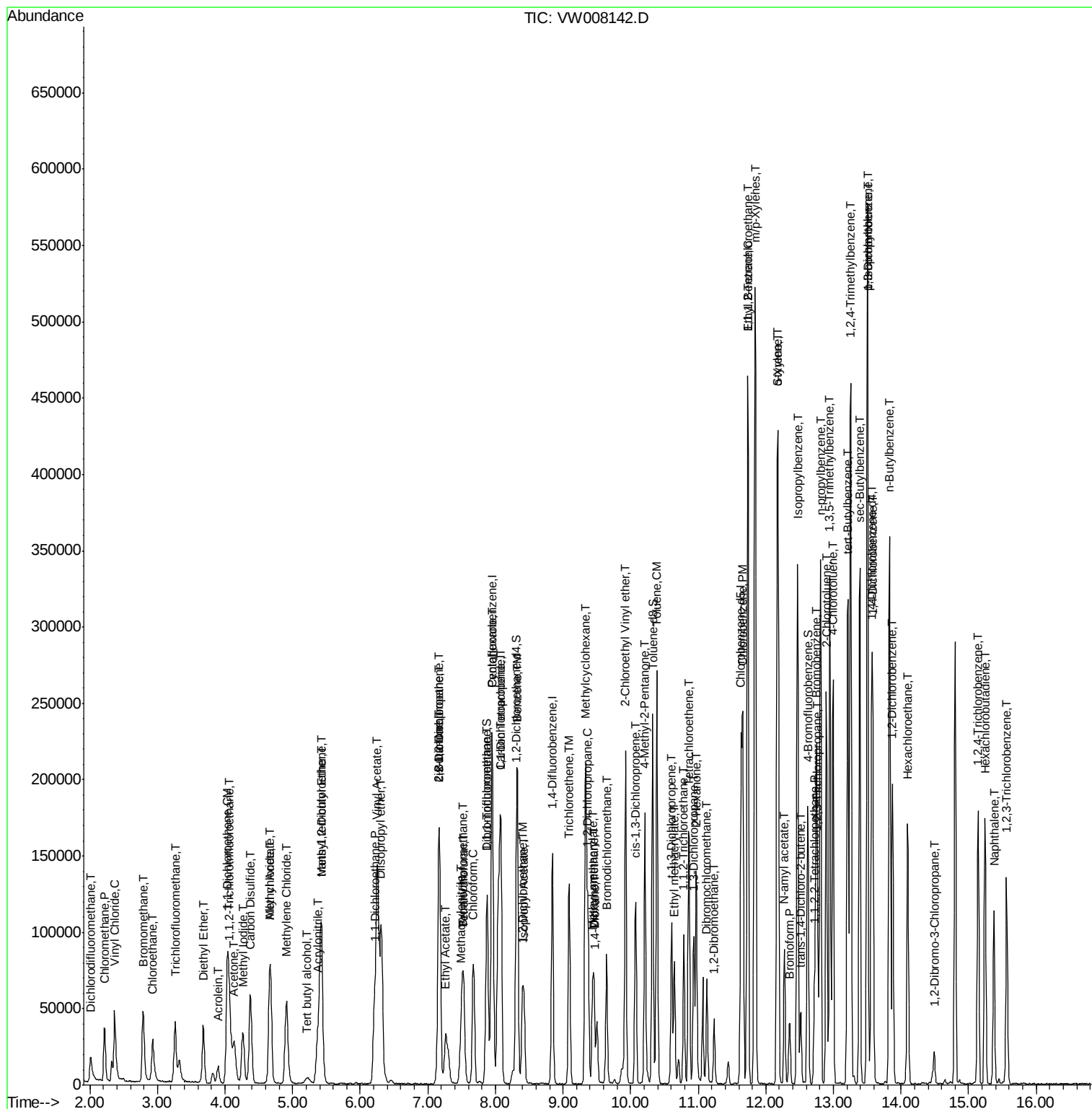
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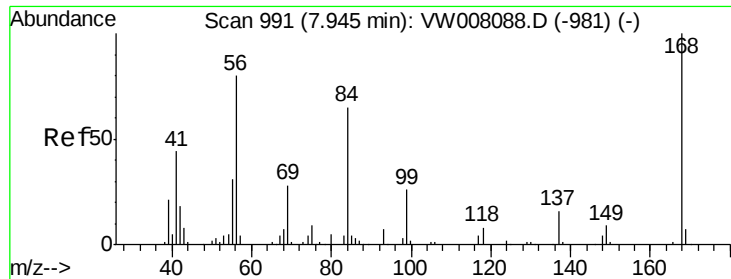
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 70498

Ion Ratio Lower Upper

168 100

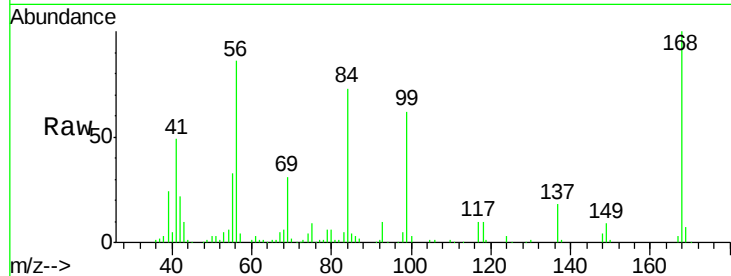
99 62.3 52.6 78.8

Manual Integrations

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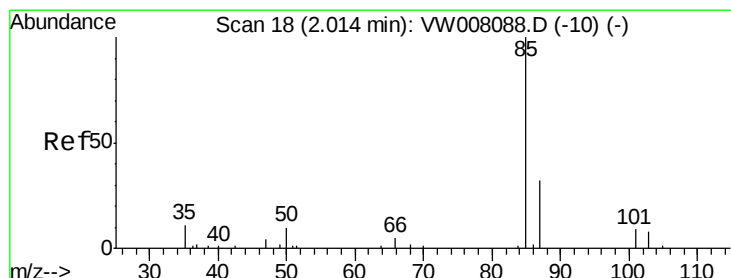
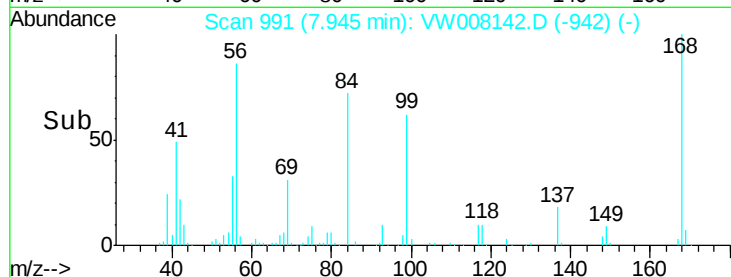
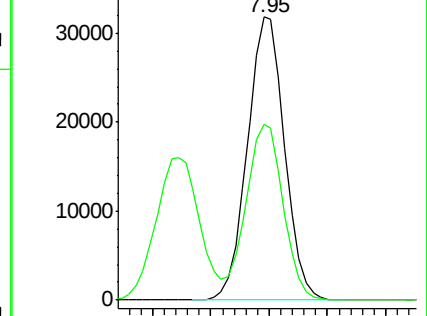
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 54.850 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008142.D

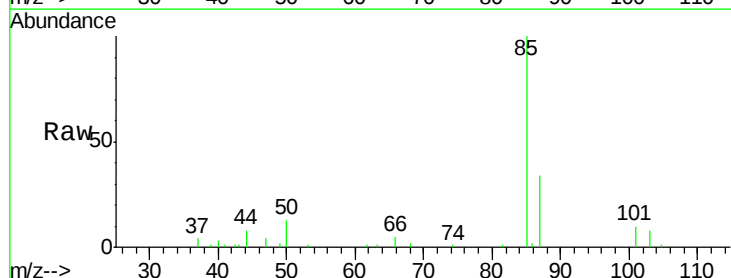
Acq: 10 Jan 2019 11:40

Tgt Ion: 85 Resp: 31558

Ion Ratio Lower Upper

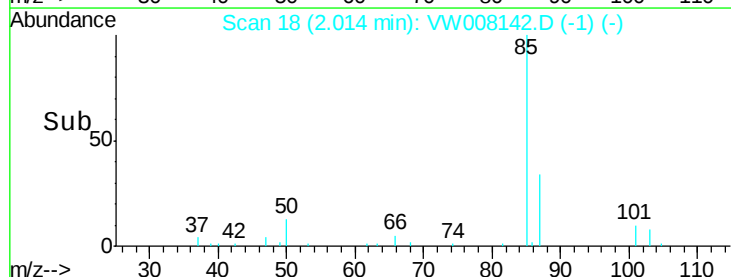
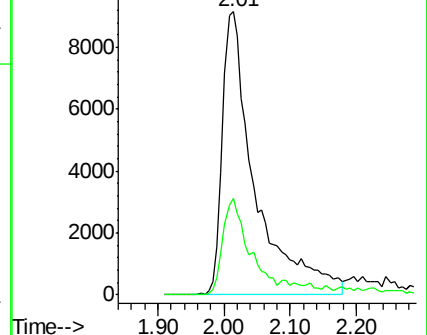
85 100

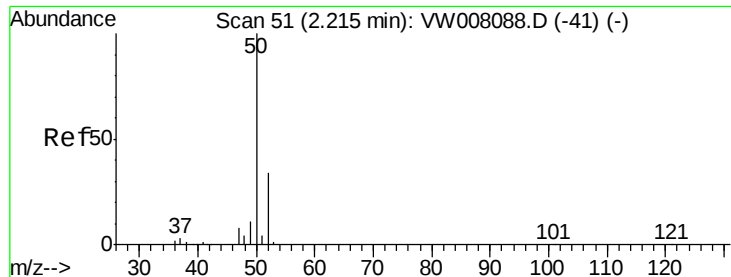
87 34.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.389 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 39105

Ion Ratio Lower Upper

50 100

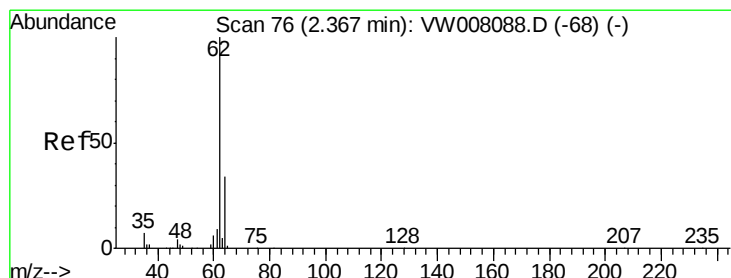
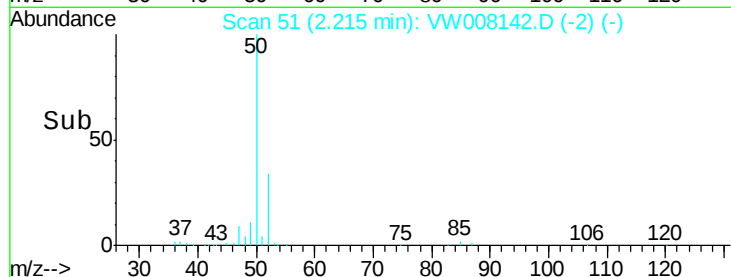
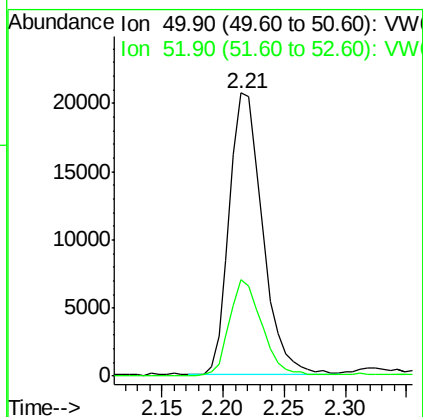
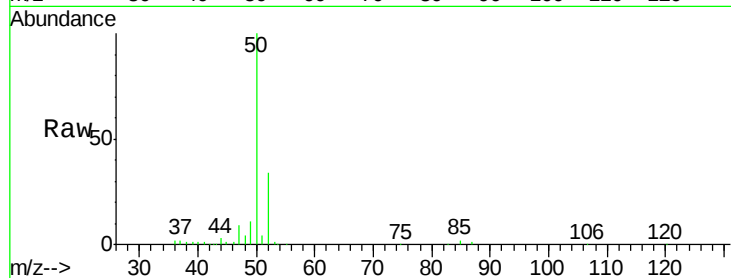
52 34.3 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.257 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008142.D

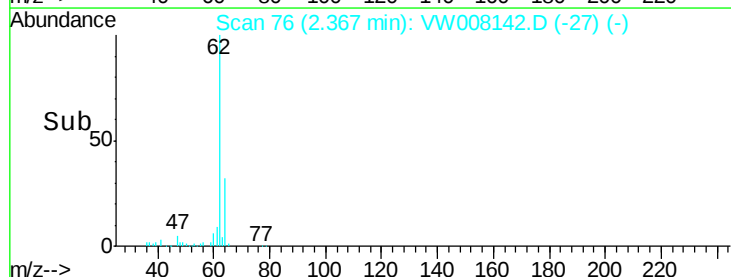
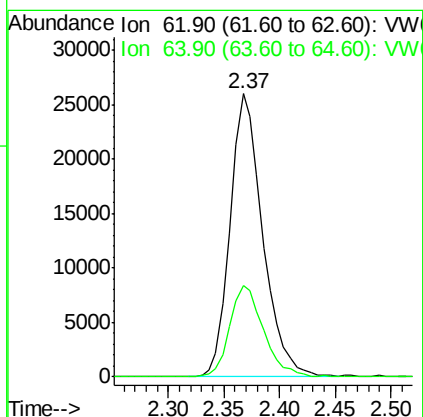
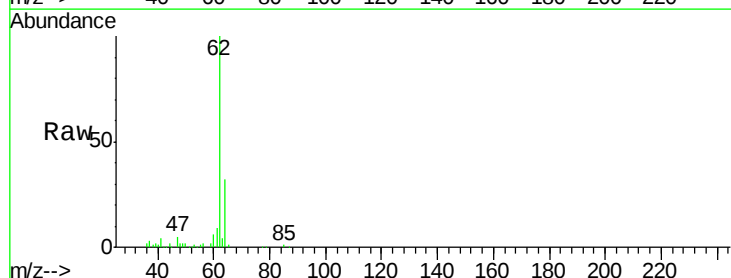
Acq: 10 Jan 2019 11:40

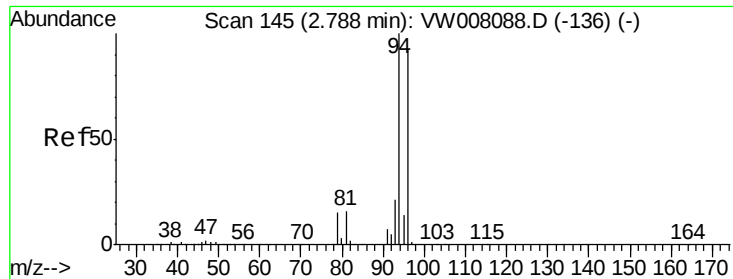
Tgt Ion: 62 Resp: 52858

Ion Ratio Lower Upper

62 100

64 32.1 27.0 40.6





#5

Bromomethane

Concen: 49.480 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 36110

Ion Ratio Lower Upper

94 100

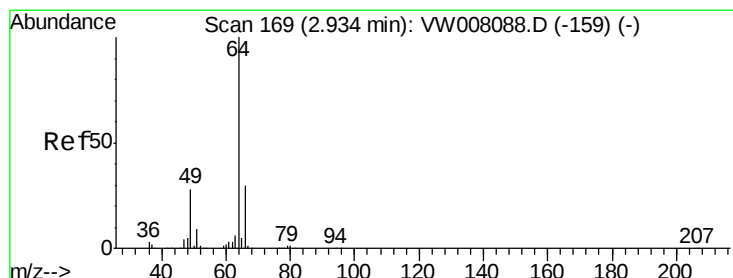
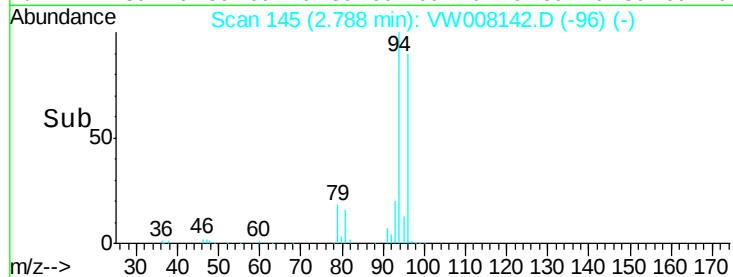
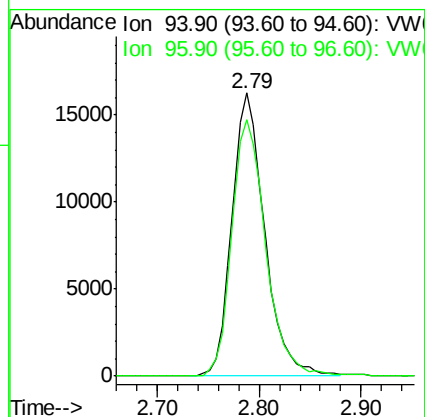
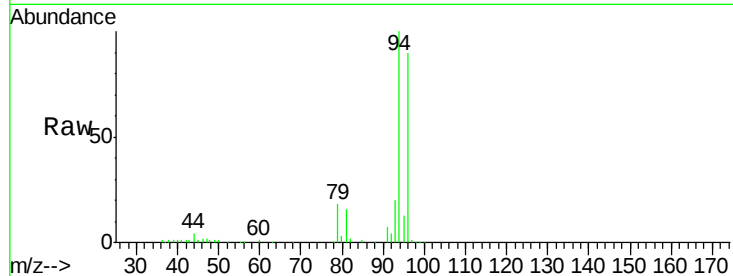
96 90.4 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 46.873 ug/l

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW008142.D

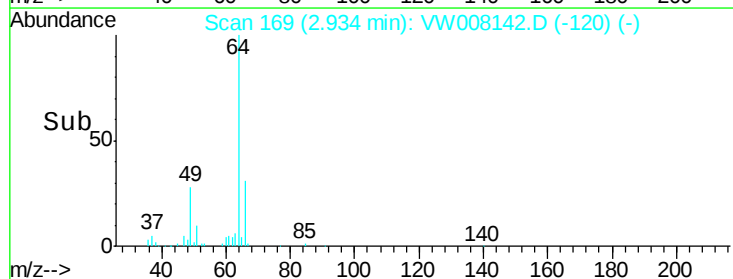
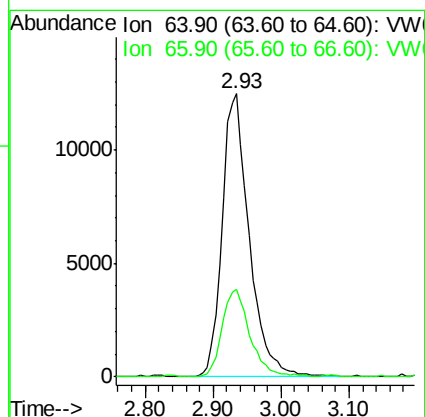
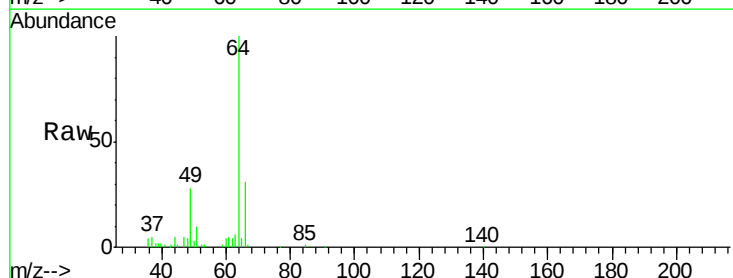
Acq: 10 Jan 2019 11:40

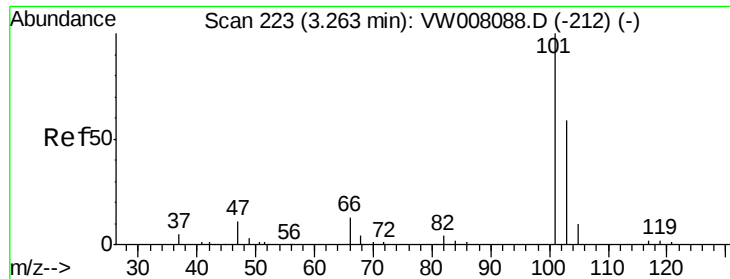
Tgt Ion: 64 Resp: 34362

Ion Ratio Lower Upper

64 100

66 30.8 24.2 36.2





#7

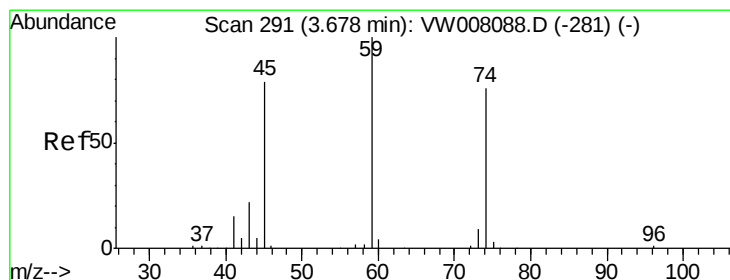
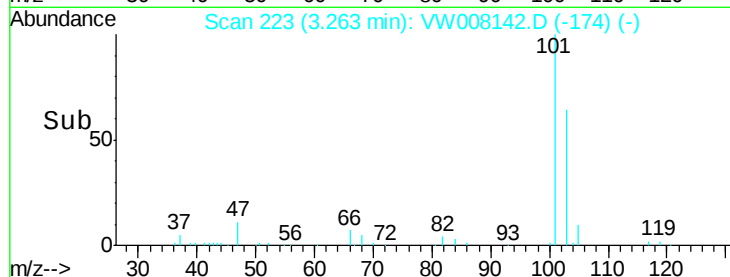
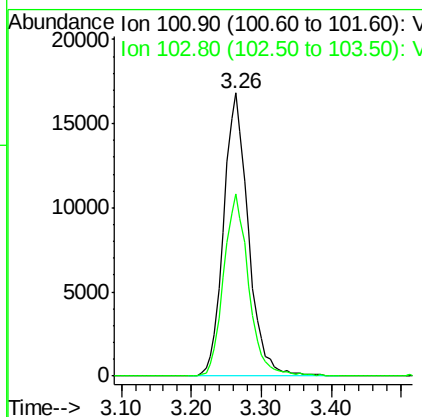
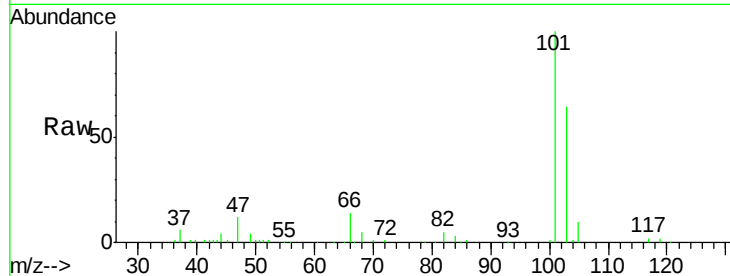
Trichlorofluoromethane
Concen: 52.301 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	47.0	70.6

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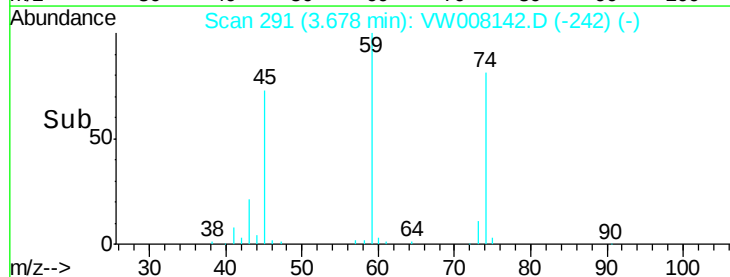
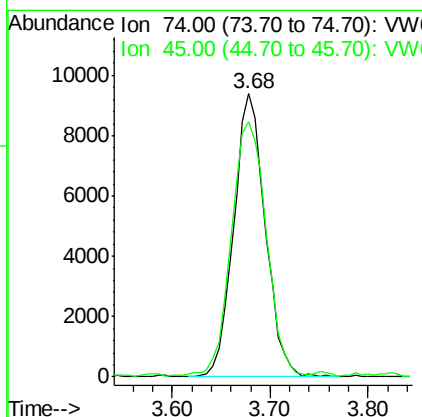
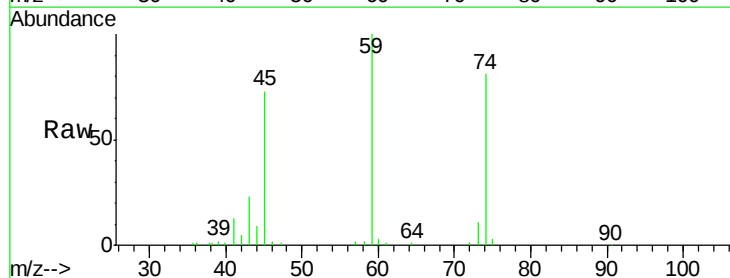
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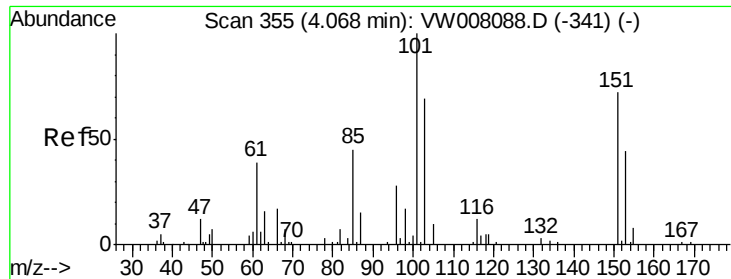


#8

Diethyl Ether
Concen: 46.815 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.279 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

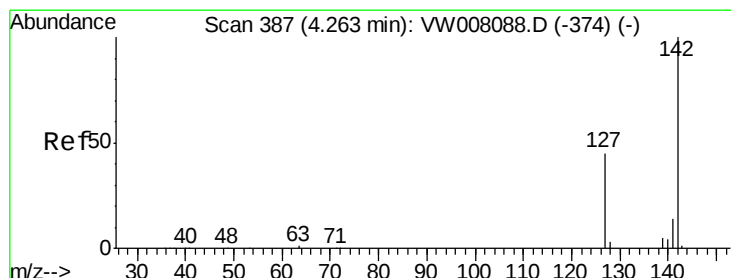
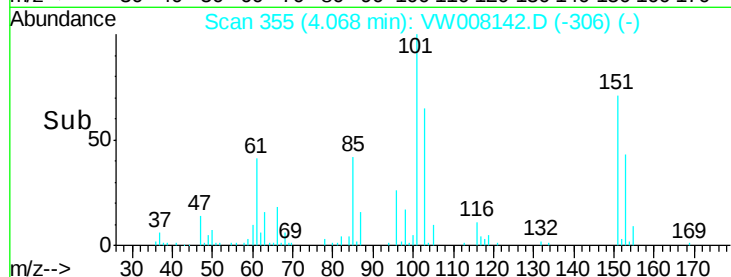
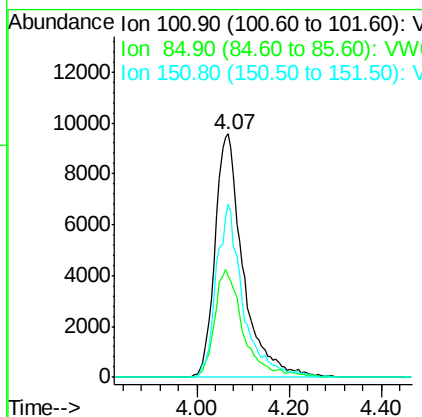
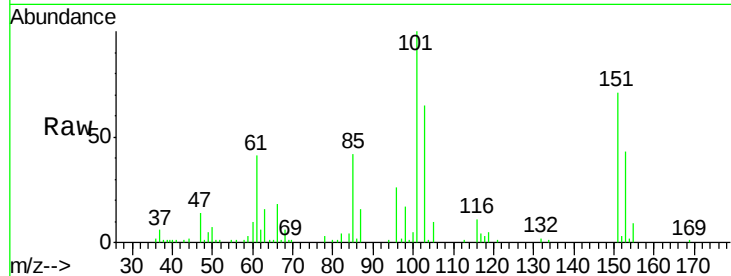
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	40323
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.9	53.9
151	66.9	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 49.450 ug/l

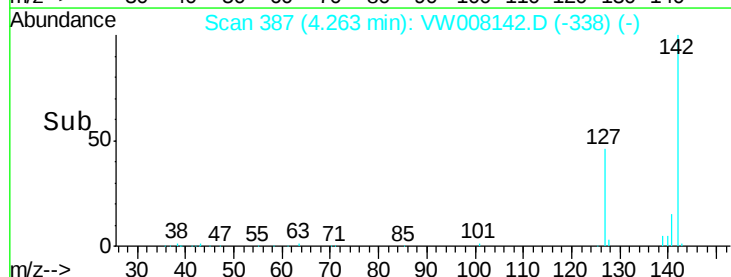
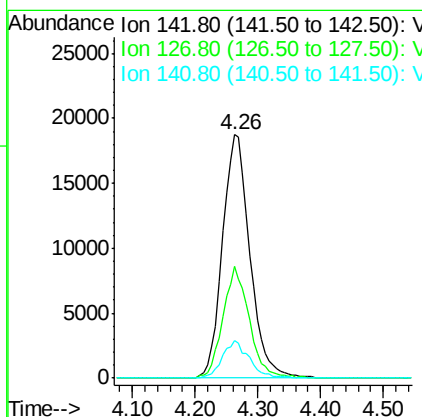
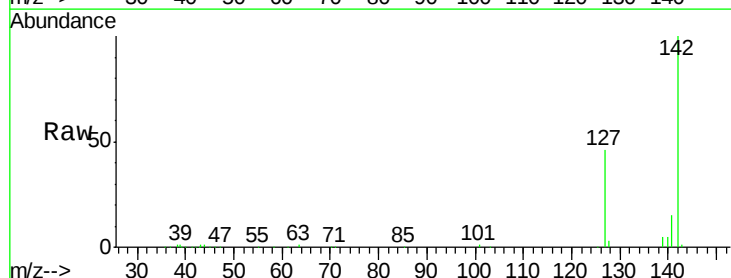
RT: 4.26 min Scan# 387

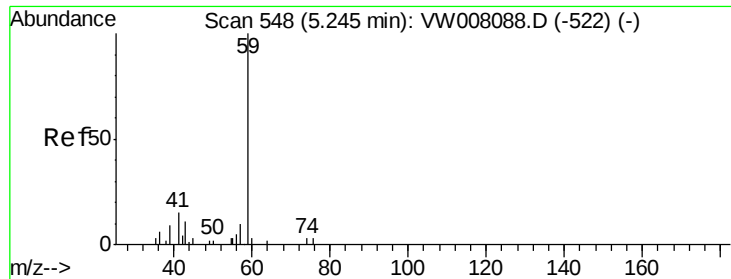
Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion:	142	Resp:	56672
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.0	52.4
141	14.6	11.8	17.6





#11

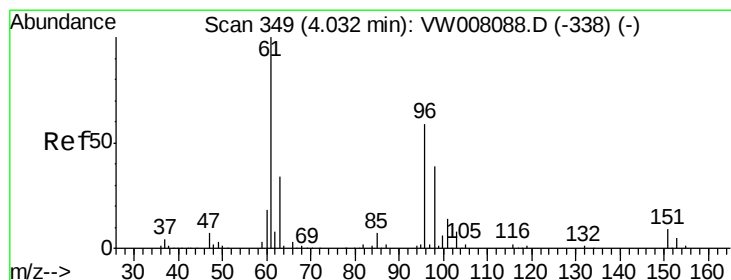
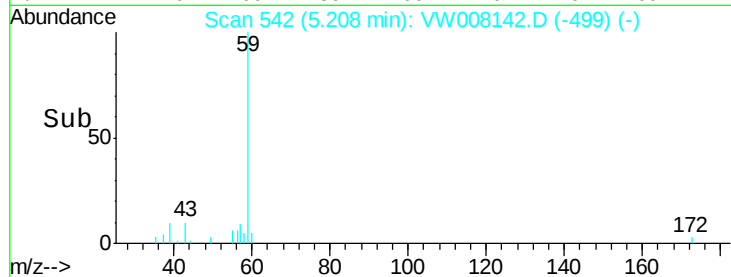
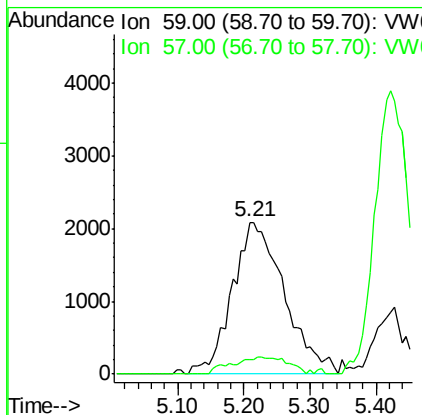
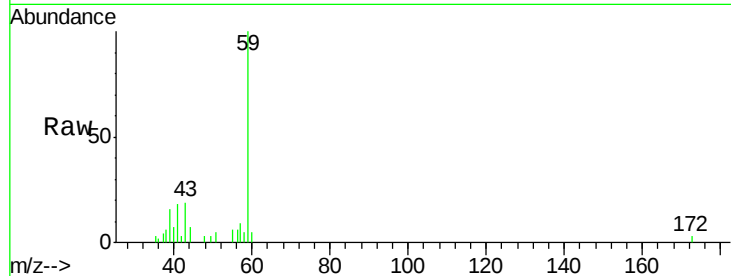
Tert butyl alcohol
Concen: 233.656 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.04 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		11429		
57	12.0		0.0	0.0	0.0

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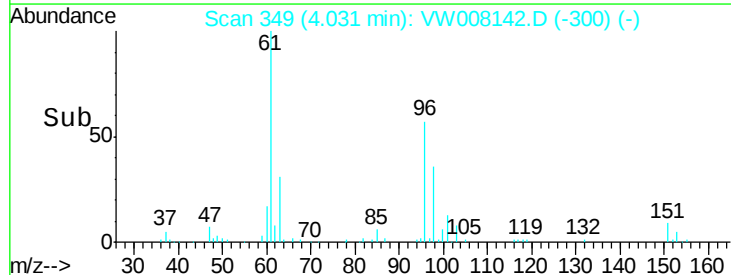
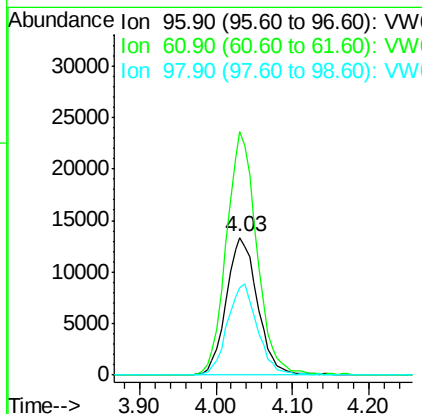
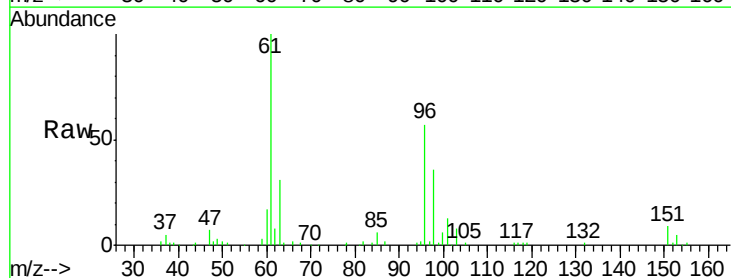
MMDadoda
1/11/2019 2:27:31 PM

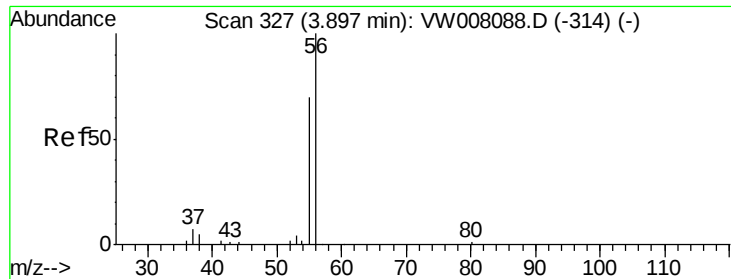


#12

1,1-Dichloroethene
Concen: 48.843 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		37708		
61	176.1		135.4	203.2	
98	63.6		52.5	78.7	





#13

Acrolein

Concen: 276.308 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 14567

Ion Ratio Lower Upper

56 100

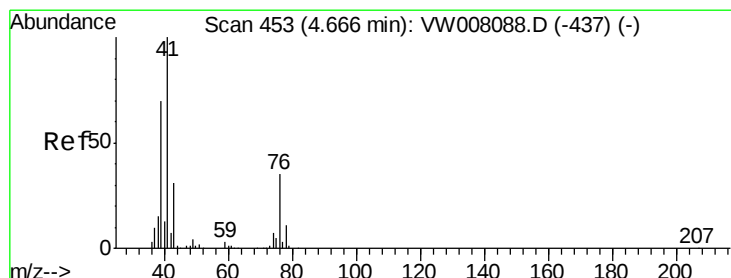
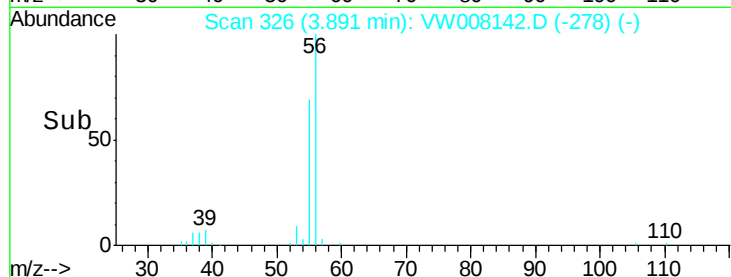
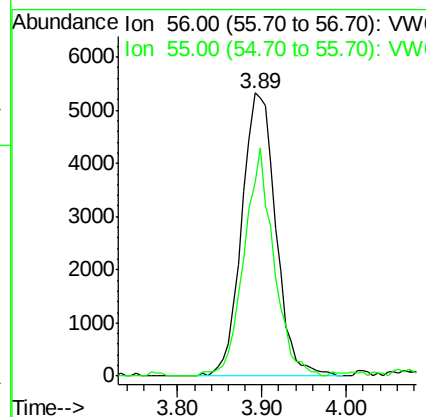
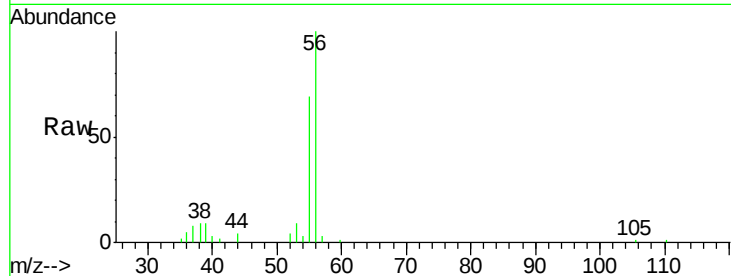
55 70.3 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 50.526 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

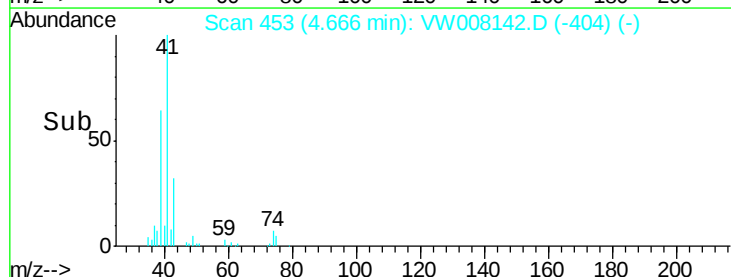
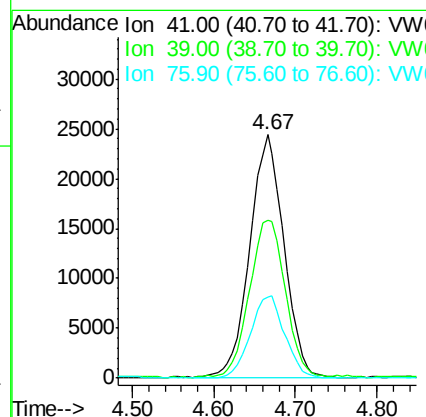
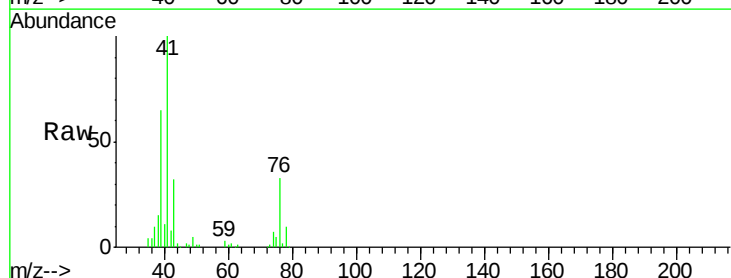
Tgt Ion: 41 Resp: 70823

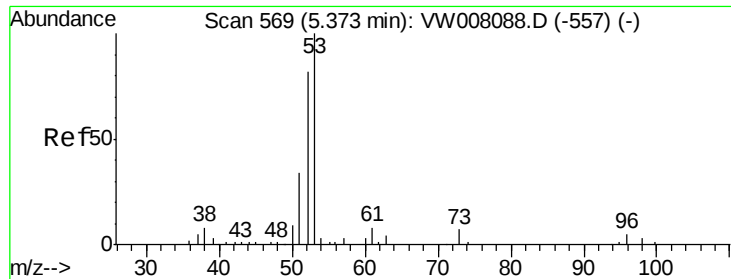
Ion Ratio Lower Upper

41 100

39 68.7 53.8 80.8

76 34.1 27.6 41.4





#15

Acrylonitrile

Concen: 250.611 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

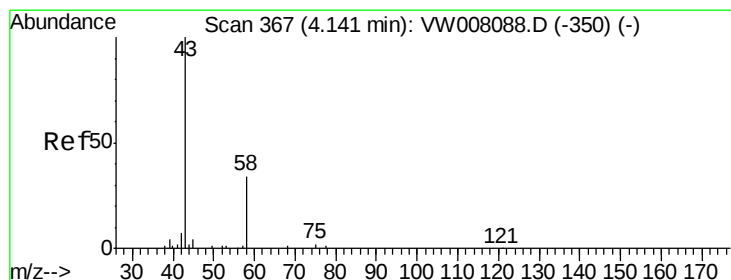
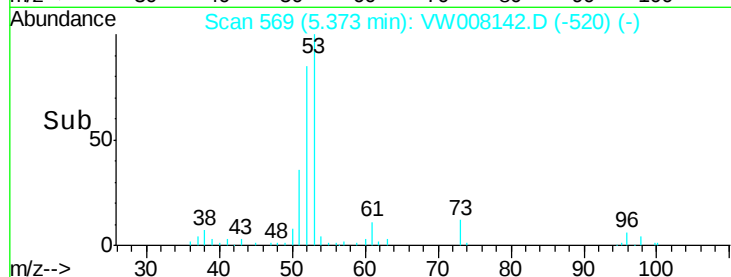
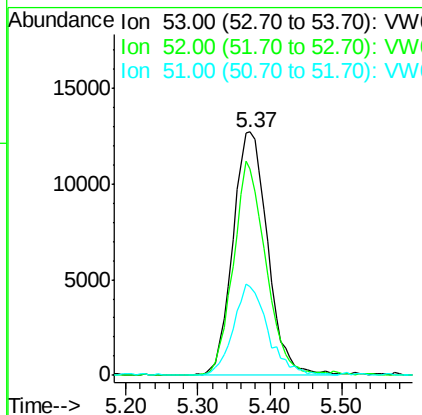
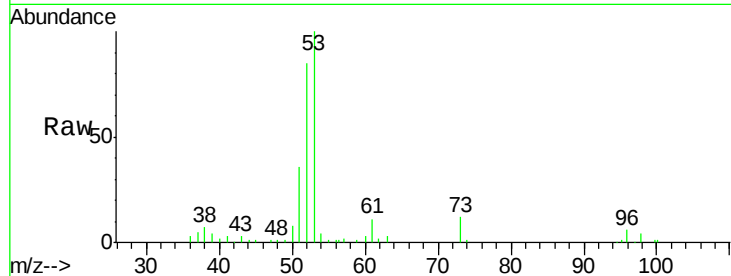
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	42720
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.8	100.2
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 289.306 ug/l

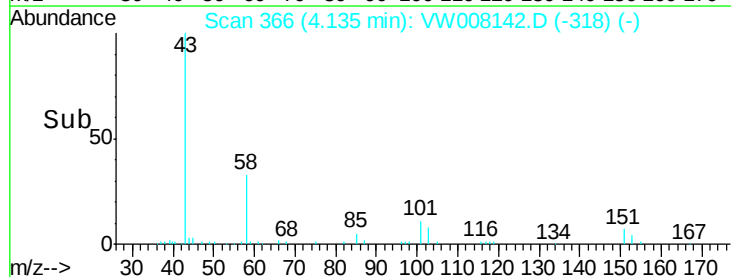
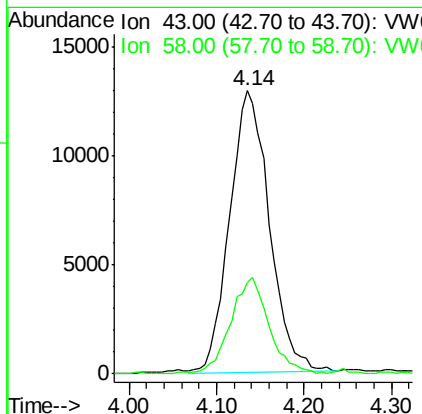
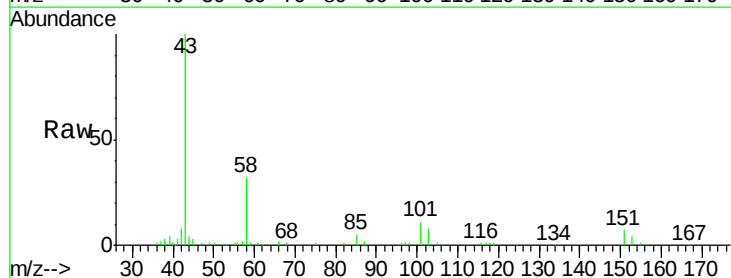
RT: 4.14 min Scan# 366

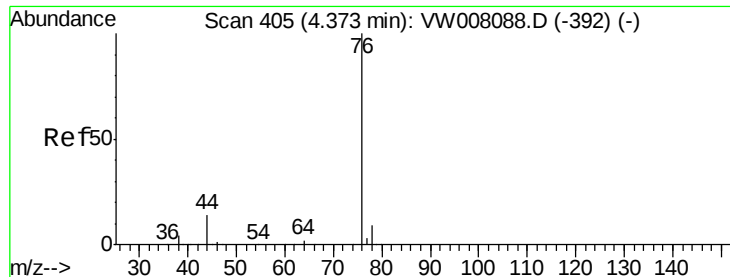
Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion:	43	Resp:	40730
Ion	Ratio	Lower	Upper
43	100		
58	32.2	27.5	41.3





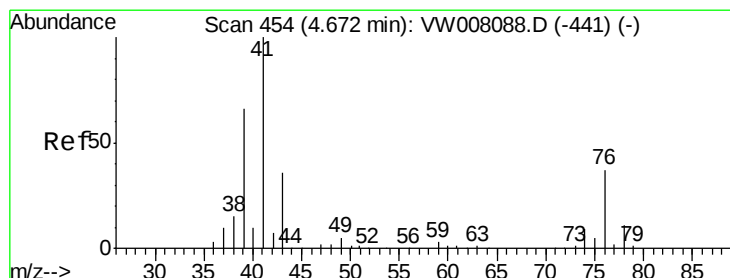
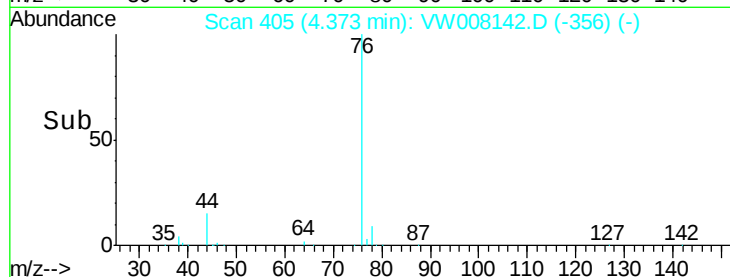
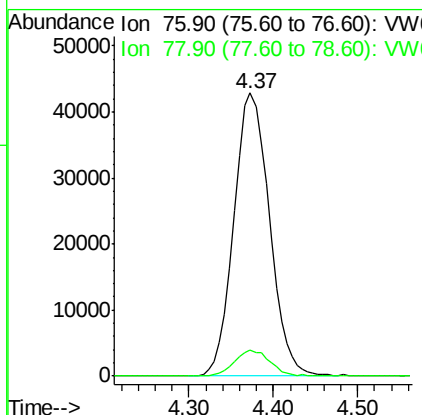
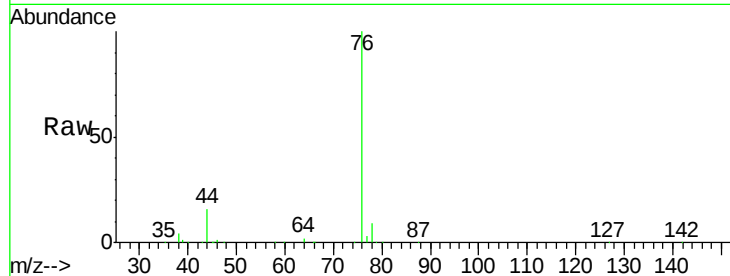
#17
Carbon Disulfide
Concen: 51.107 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

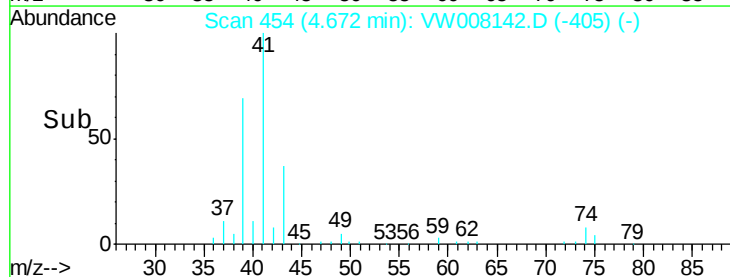
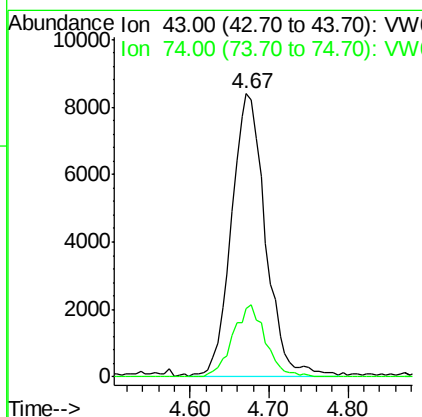
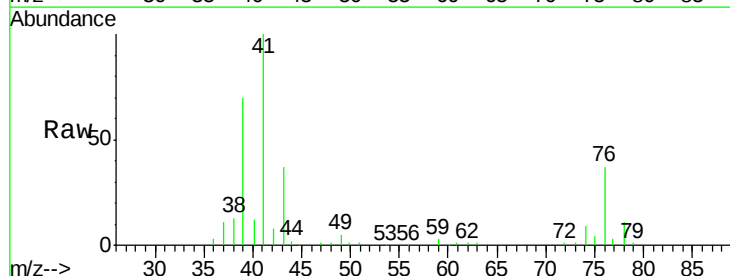
Manual Integrations
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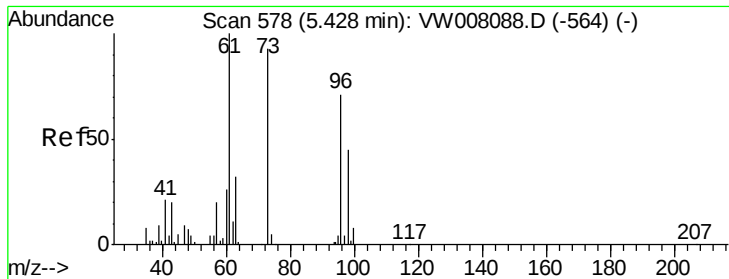
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#18
Methyl Acetate
Concen: 50.451 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.0	28.4





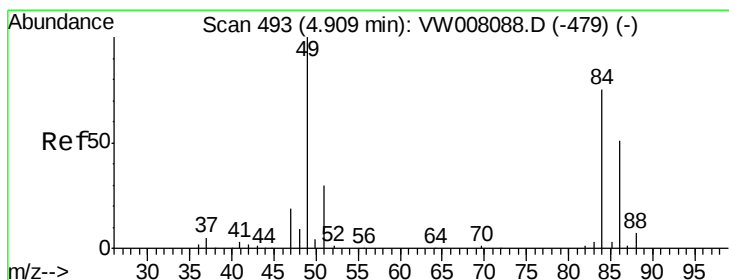
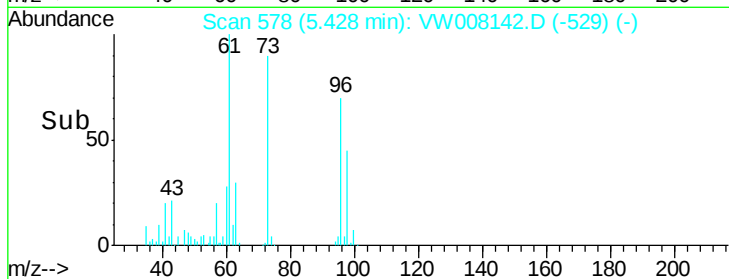
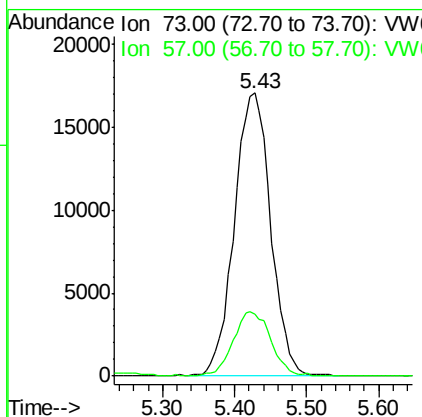
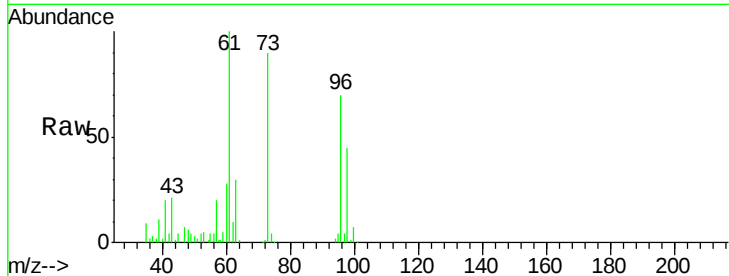
#19
Methyl tert-butyl Ether
Concen: 47.555 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.7	25.1

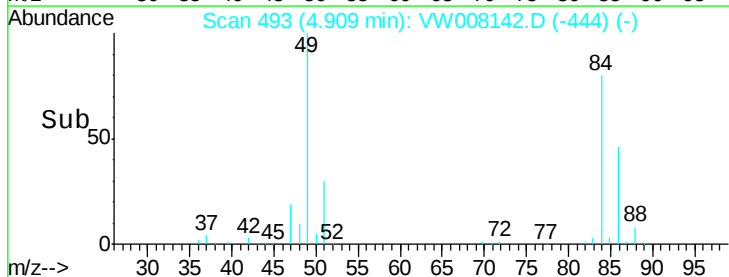
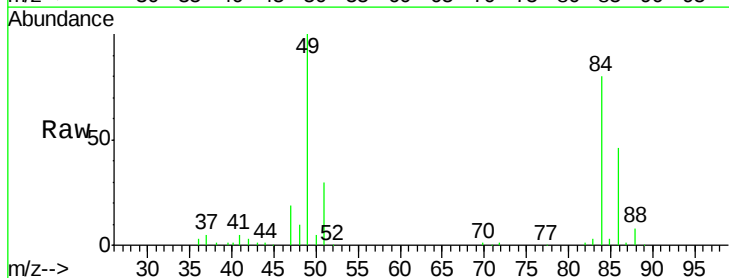
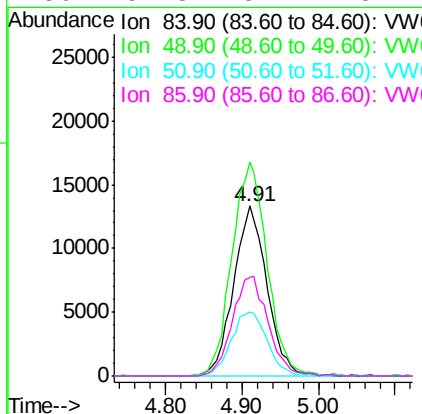
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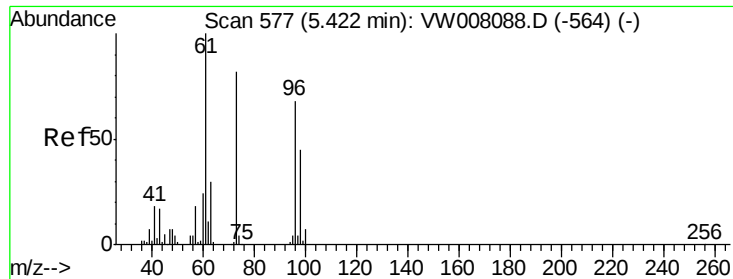
MMDadoda
1/11/2019 2:27:31 PM



#20
Methylene Chloride
Concen: 51.796 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.2	107.1	160.7
51	37.3	32.4	48.6
86	57.8	54.2	81.4





#21

trans-1,2-Dichloroethene

Concen: 50.961 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

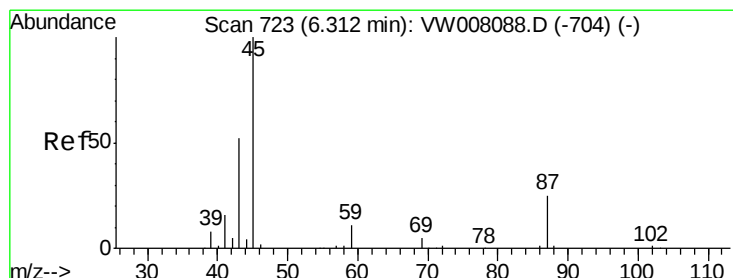
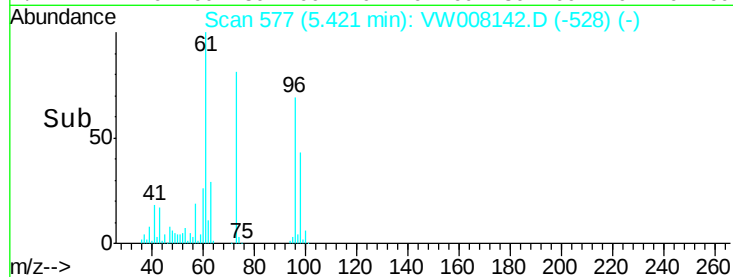
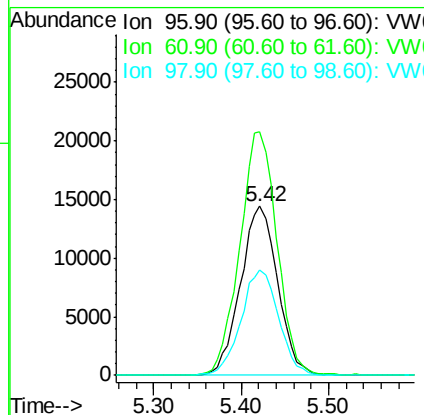
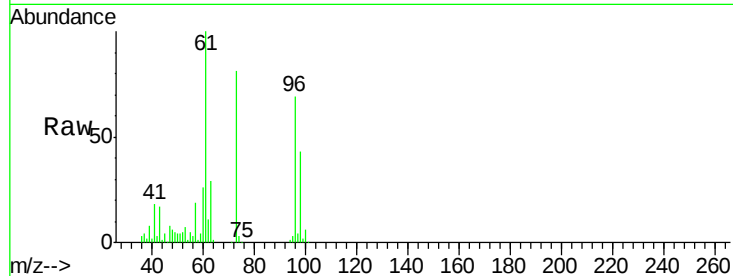
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	42755
Ion	Ratio	Lower	Upper
96	100		
61	144.1	117.4	176.0
98	62.5	52.2	78.4

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#22

Diisopropyl ether

Concen: 51.313 ug/l

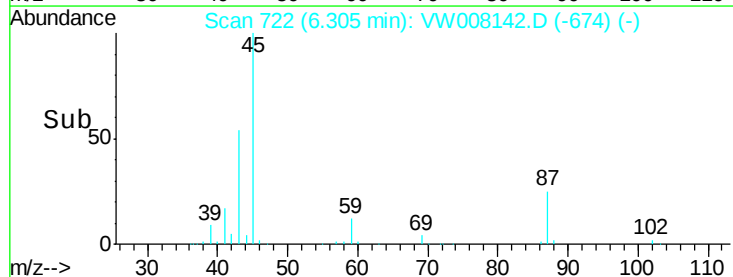
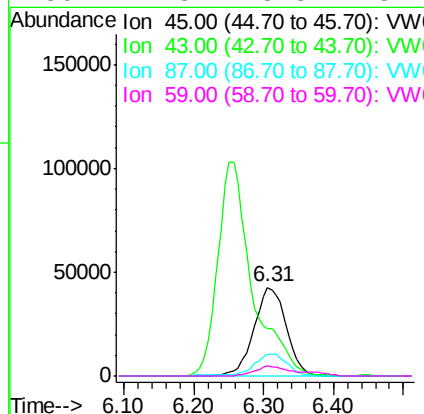
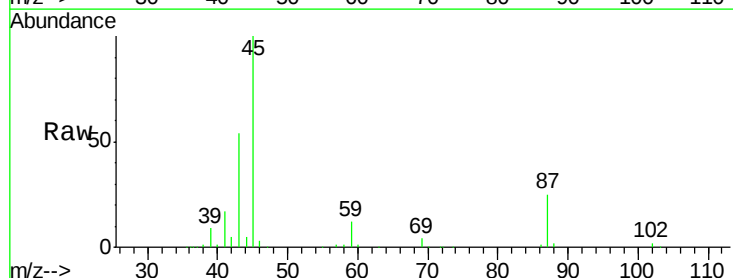
RT: 6.31 min Scan# 722

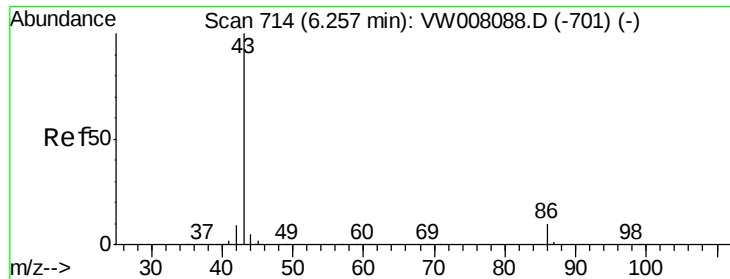
Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion:	45	Resp:	137175
Ion	Ratio	Lower	Upper
45	100		
43	53.5	41.7	62.5
87	24.9	20.1	30.1
59	11.8	8.8	13.2





#23

Vinyl Acetate

Concen: 251.210 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 352700

Ion Ratio Lower Upper

43 100

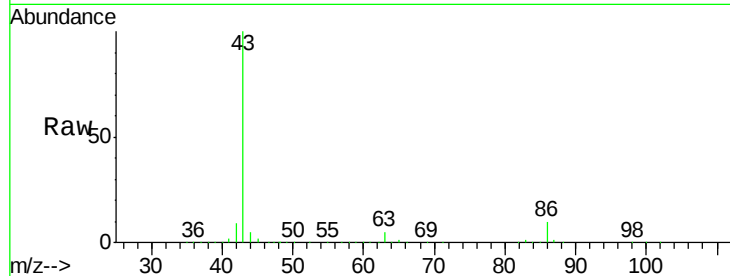
86 9.7 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

120000

100000

80000

60000

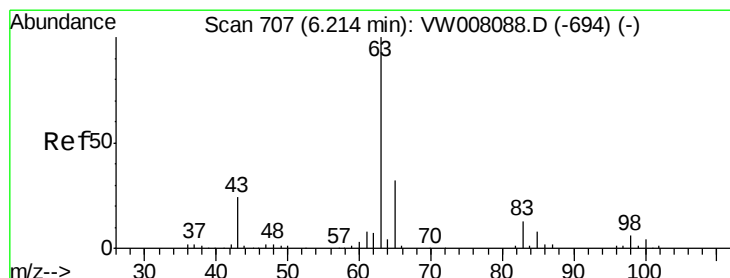
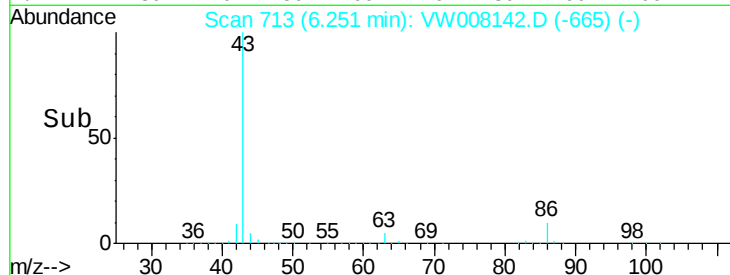
40000

20000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 50.332 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

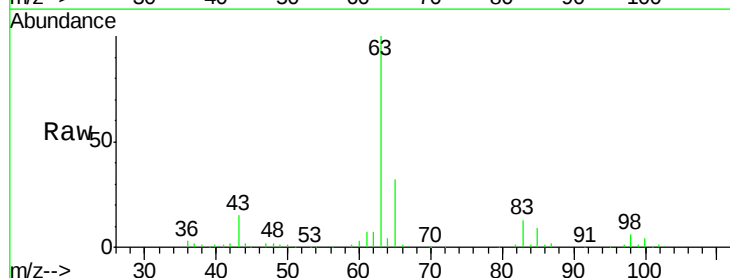
Tgt Ion: 63 Resp: 78397

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

30000

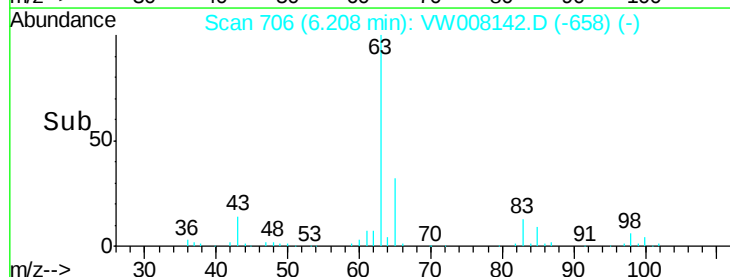
20000

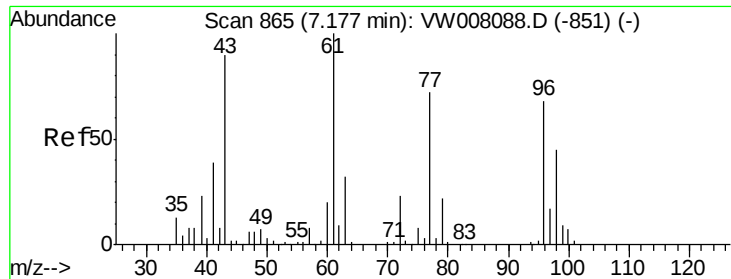
10000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 253.401 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 55863

Ion Ratio Lower Upper

43 100

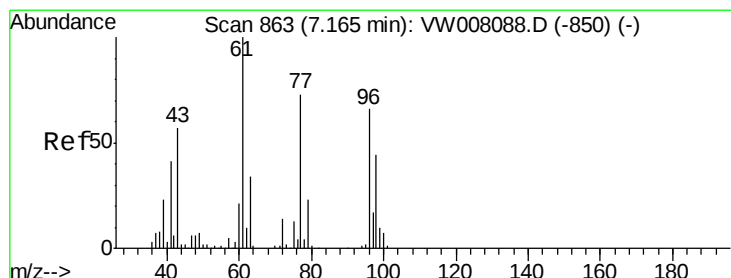
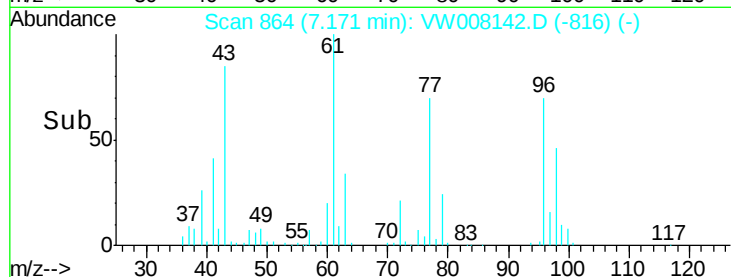
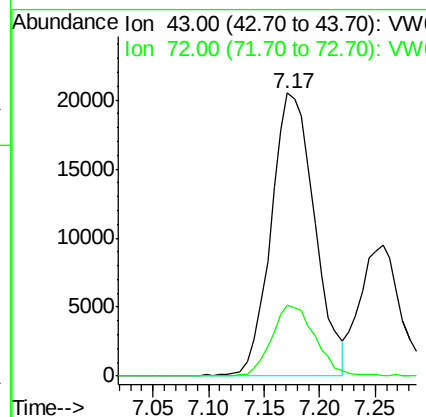
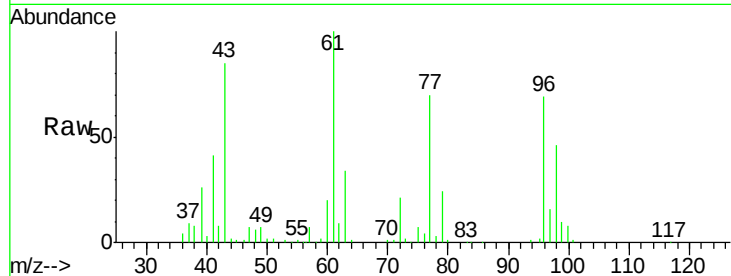
72 25.0 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.882 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008142.D

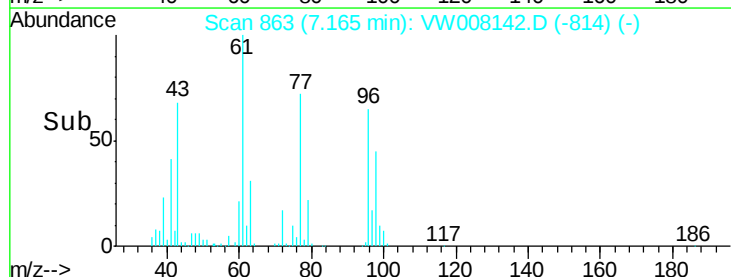
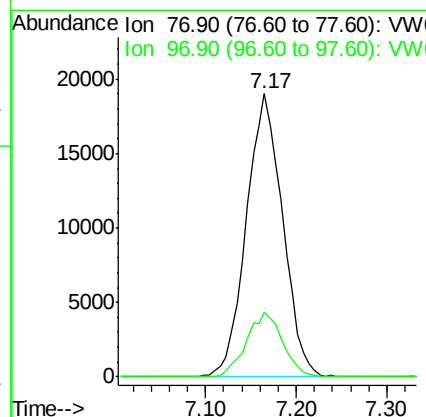
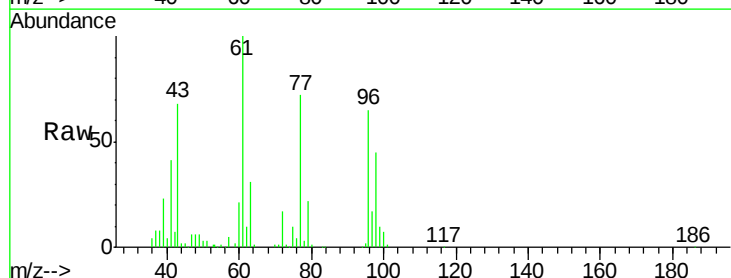
Acq: 10 Jan 2019 11:40

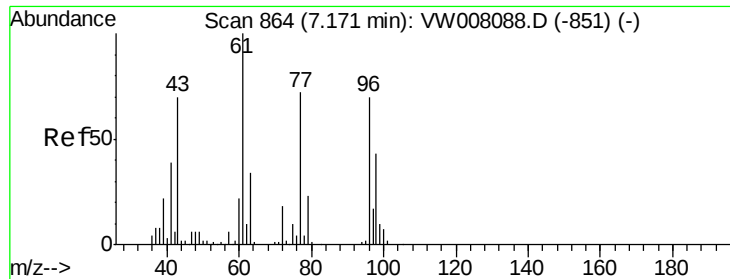
Tgt Ion: 77 Resp: 52645

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

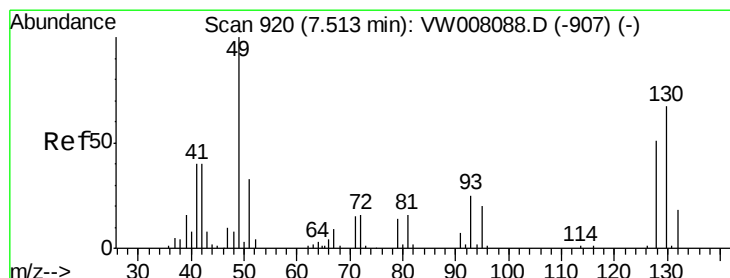
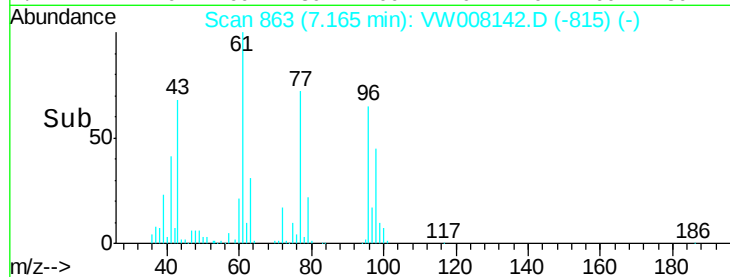
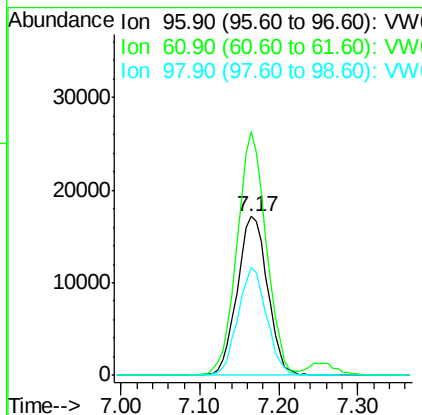
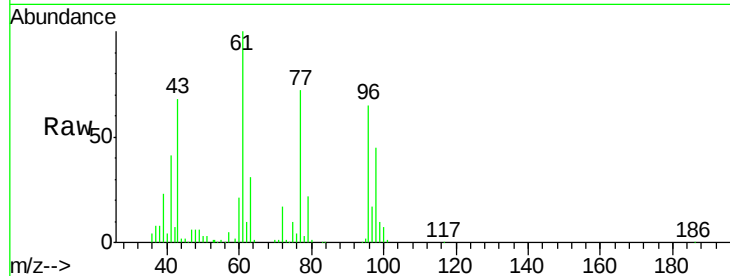
cis-1,2-Dichloroethene
Concen: 50.228 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	300.4
98	64.1	0.0	128.4

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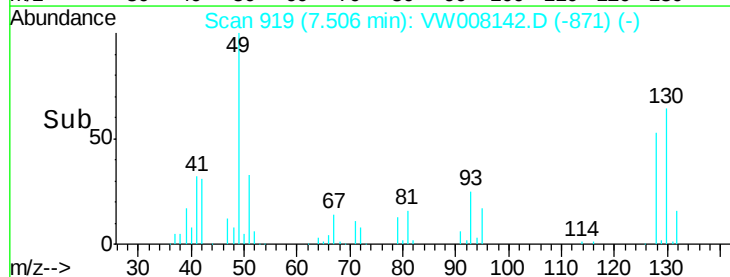
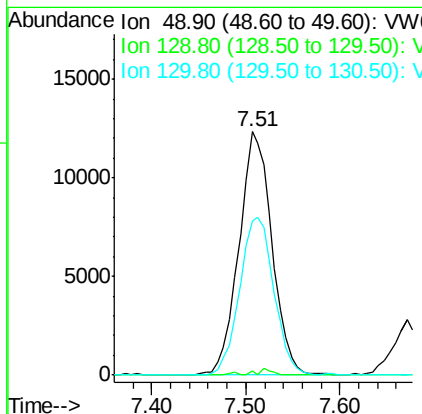
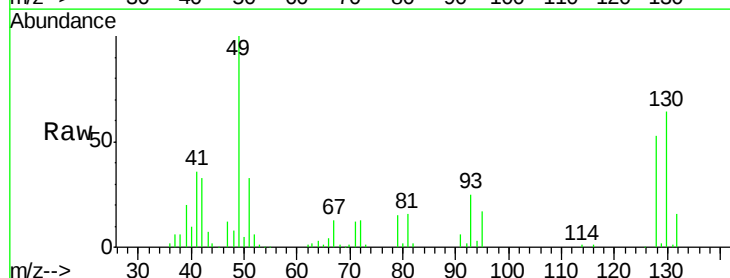
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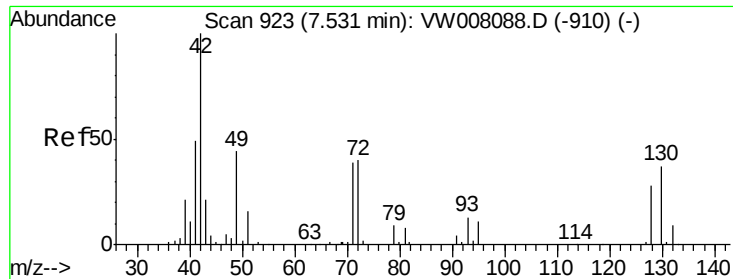


#28

Bromochloromethane
Concen: 49.068 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.8
130	67.2	54.3	81.5





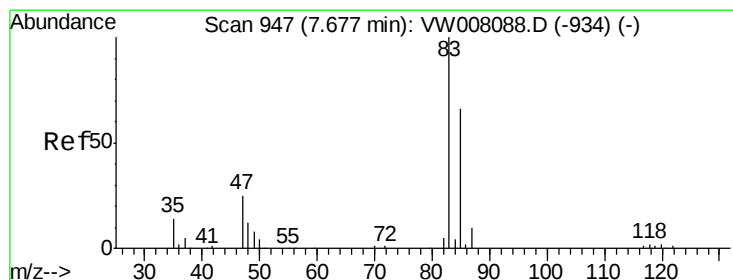
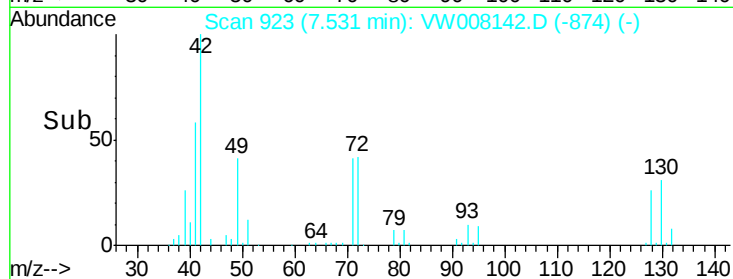
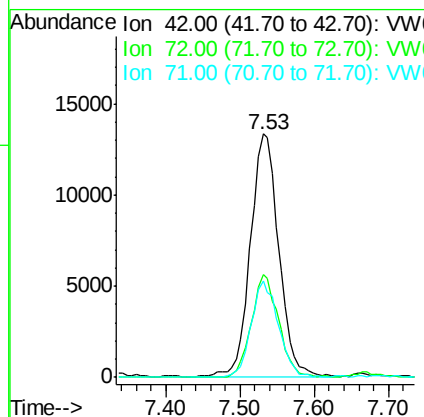
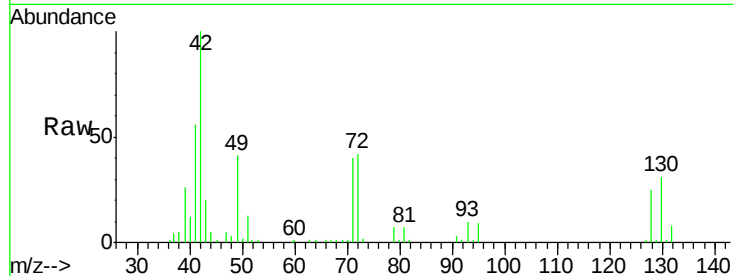
#29
Tetrahydrofuran
Concen: 244.779 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.4	48.6
71	37.9	31.3	46.9

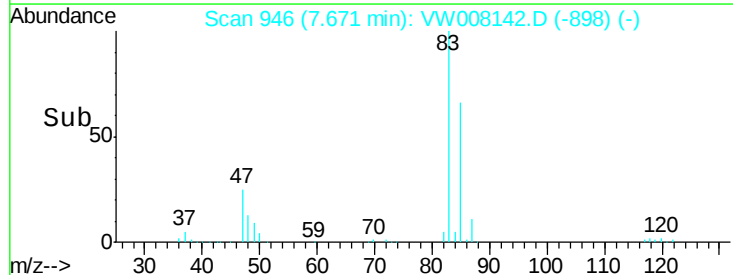
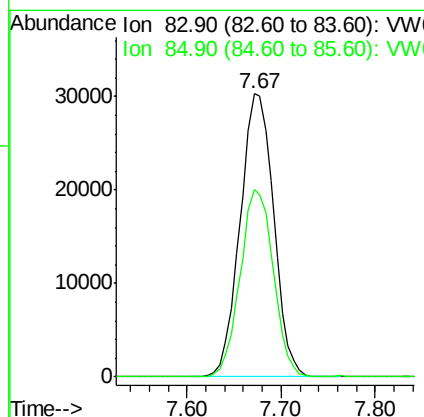
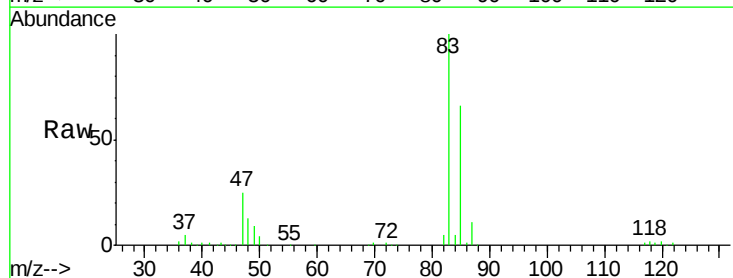
Manual Integrations
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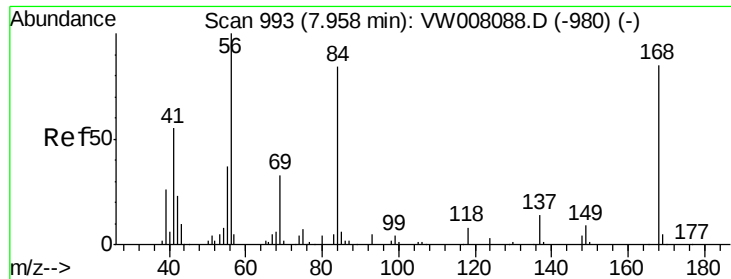
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#30
Chloroform
Concen: 50.743 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.2	79.8





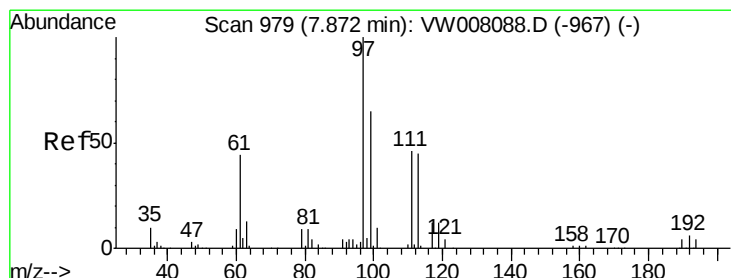
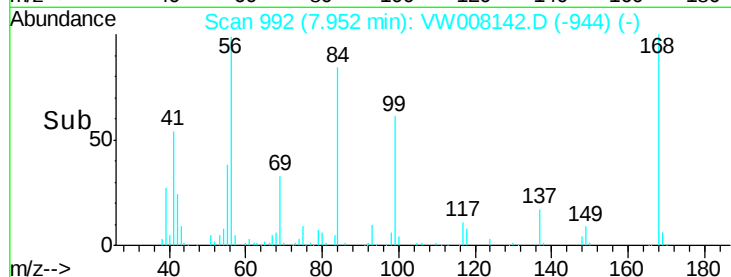
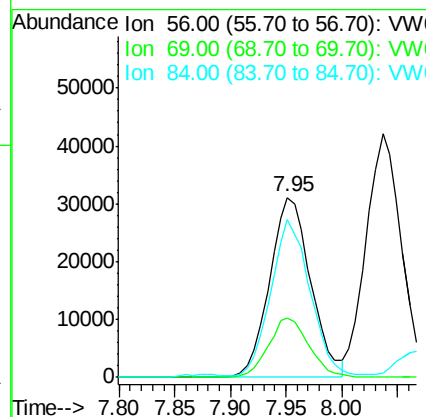
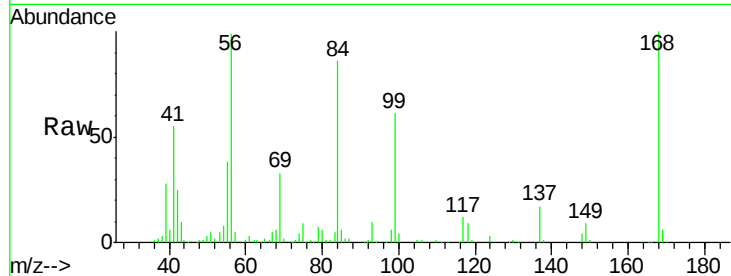
#31
Cyclohexane
Concen: 47.906 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.2	39.4
84	86.1	67.4	101.2

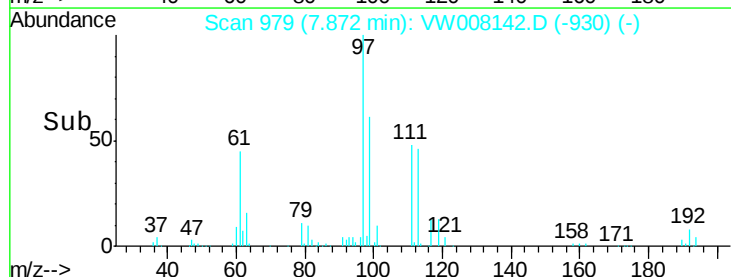
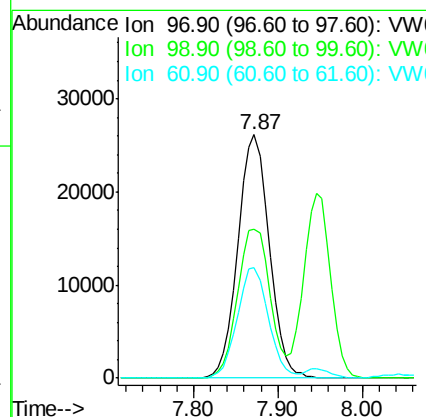
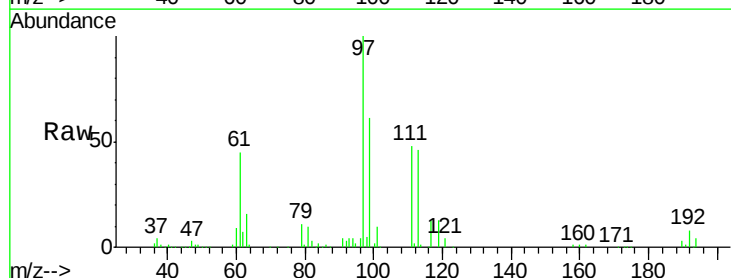
Manual Integrations
APPROVED

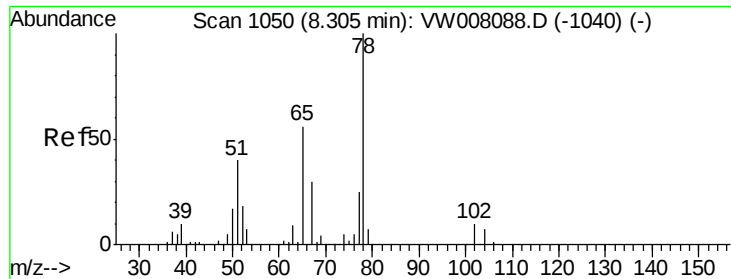
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#32
1,1,1-Trichloroethane
Concen: 51.032 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	45.3	35.6	53.4





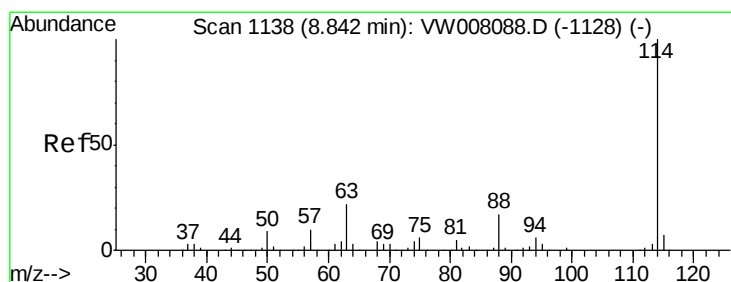
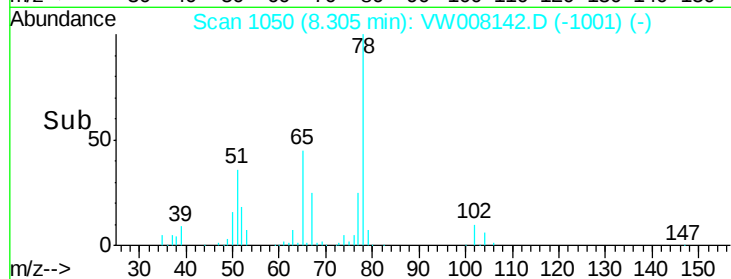
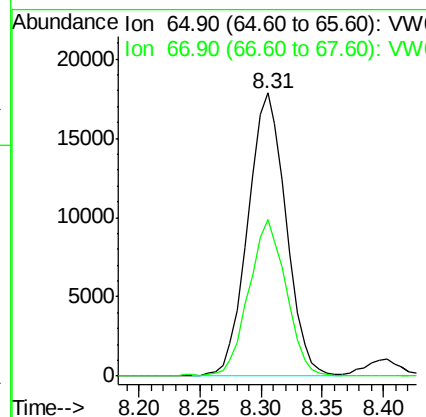
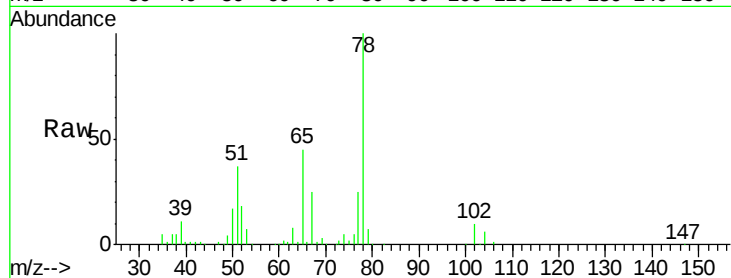
#33
 1,2-Dichloroethane-d4
 Concen: 48.905 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	0.0	106.8	

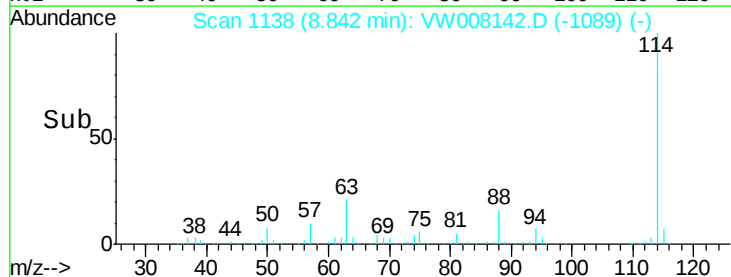
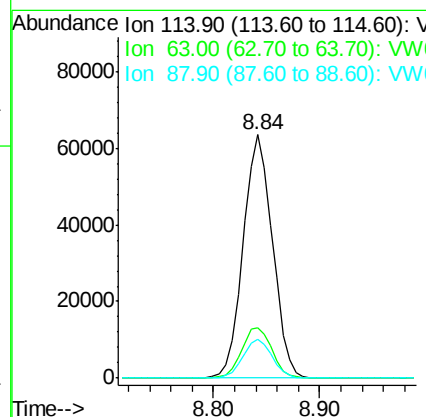
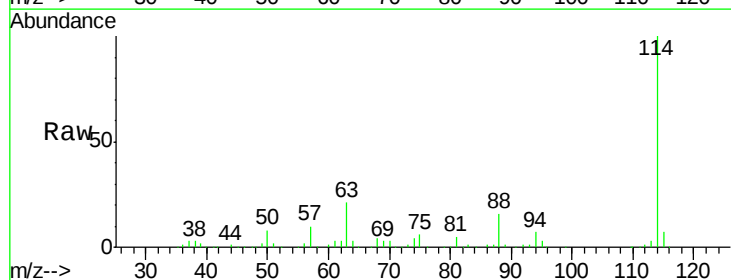
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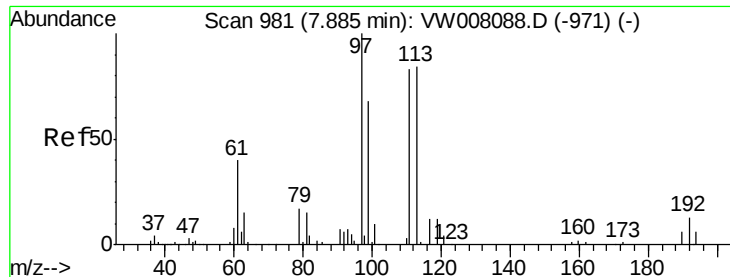
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	43.4	
88	15.7	0.0	33.4	





#35

Dibromofluoromethane

Concen: 51.362 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

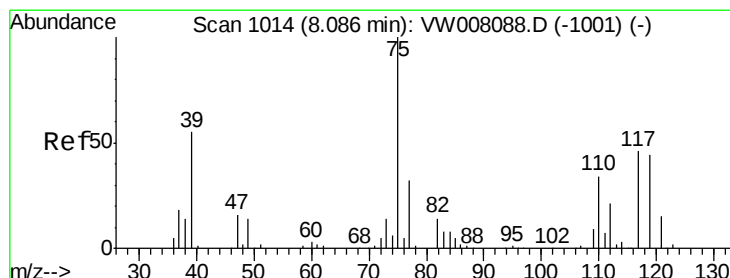
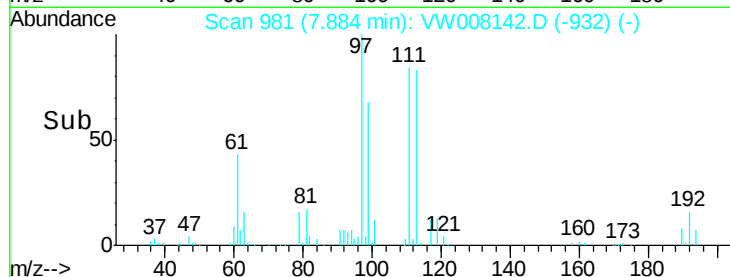
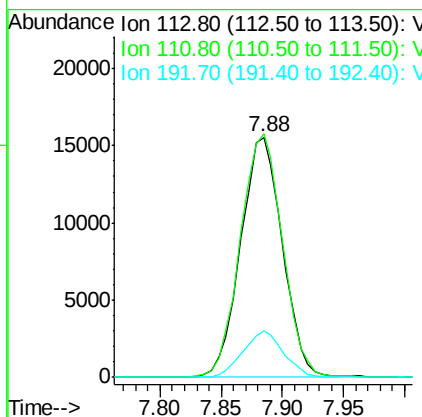
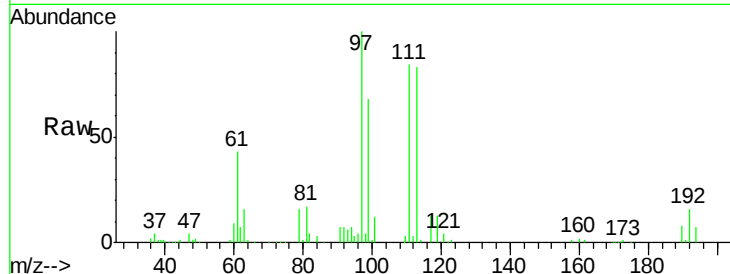
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	36795		
111	102.8	81.8	122.8	
192	18.7	12.8	19.2	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.095 ug/l

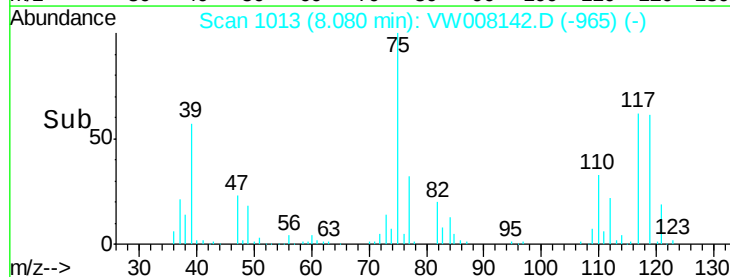
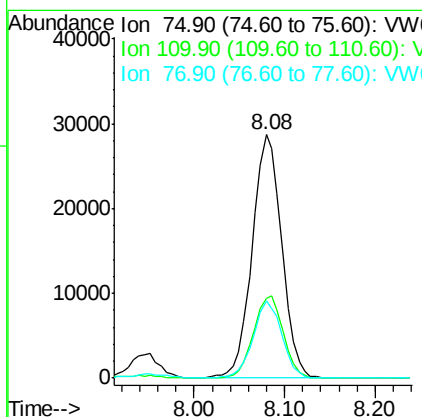
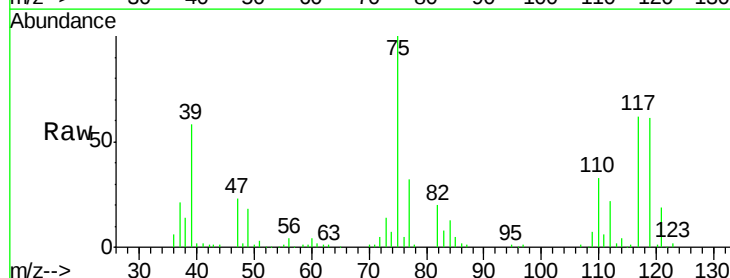
RT: 8.08 min Scan# 1013

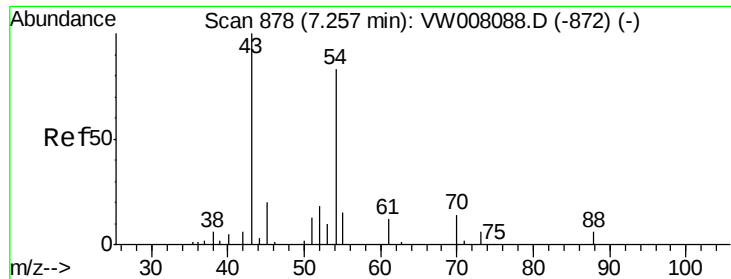
Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64649		
110	33.9	17.1	51.3	
77	31.2	25.5	38.3	





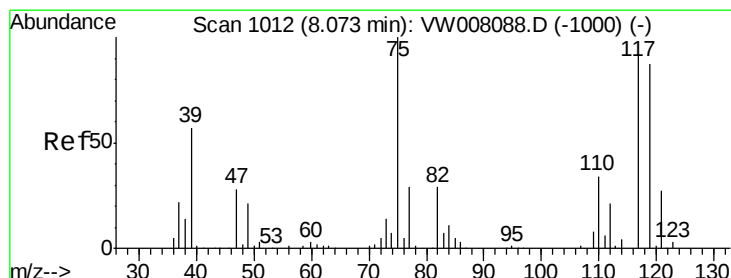
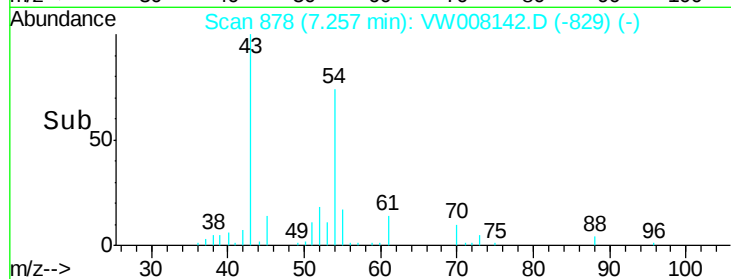
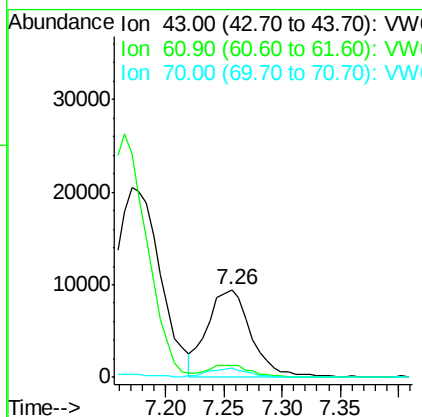
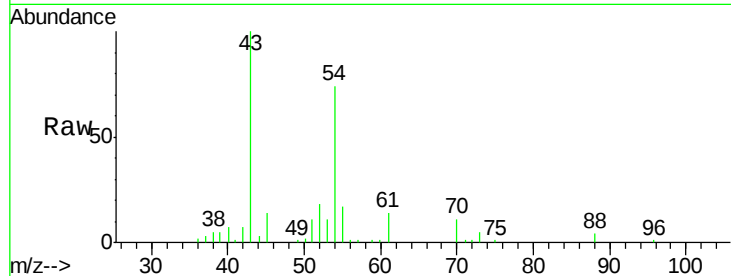
#37
Ethyl Acetate
Concen: 47.867 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	16.0
70	10.2	8.9	13.3

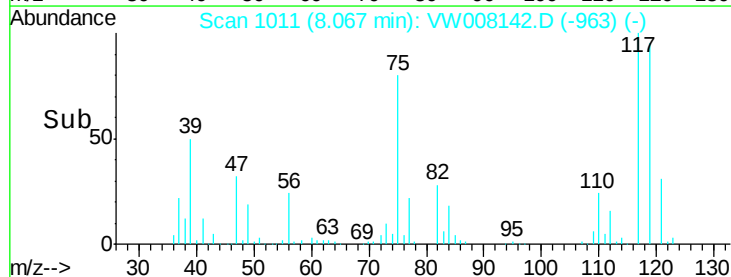
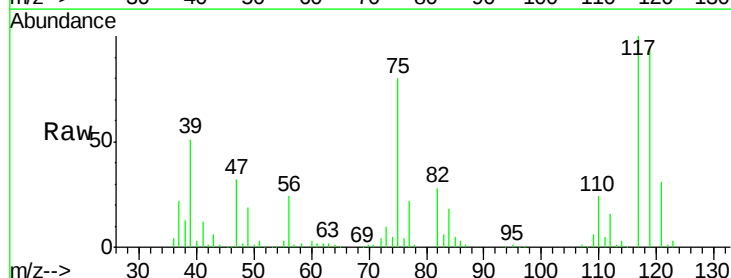
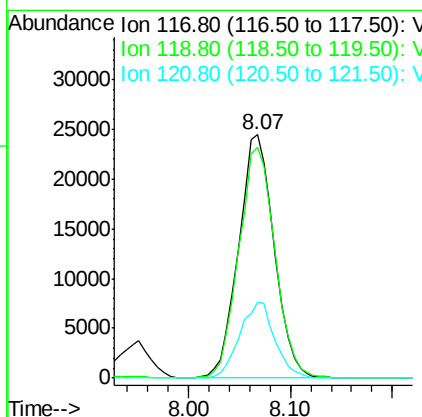
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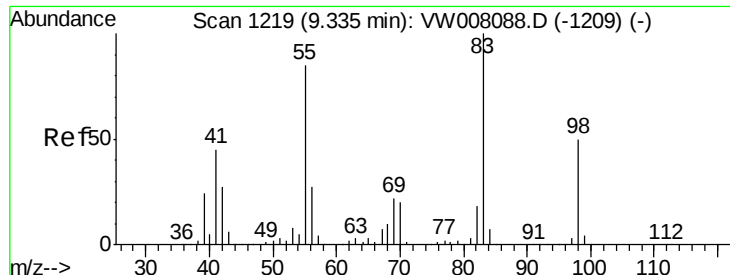
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#38
Carbon Tetrachloride
Concen: 51.267 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.8	113.8
121	31.2	23.7	35.5





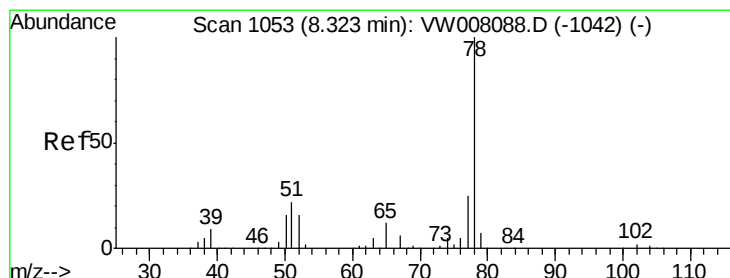
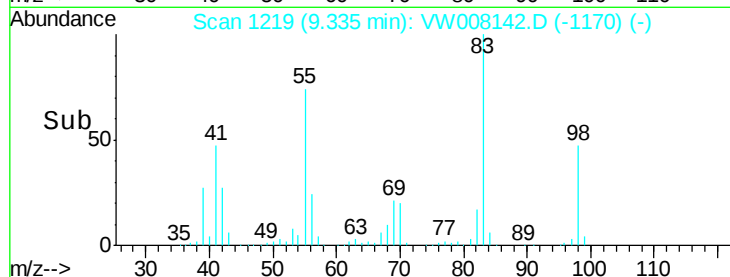
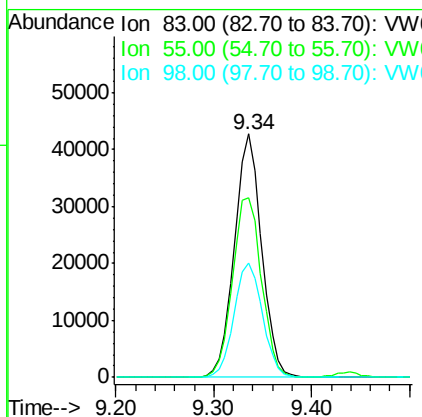
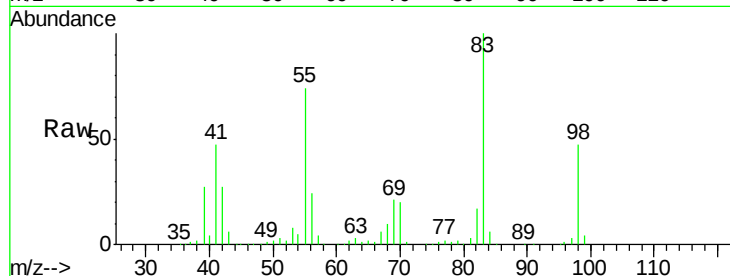
#39
Methvlcvclohexane
Concen: 51.682 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	82916
Ion	Ratio	Lower	Upper
83	100		
55	73.7	67.8	101.6
98	47.1	40.2	60.4

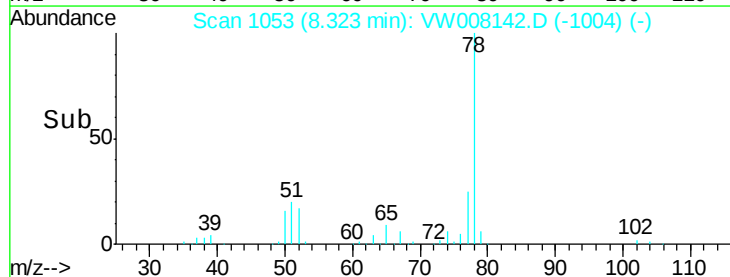
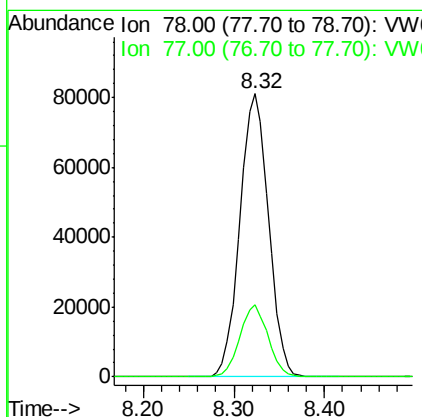
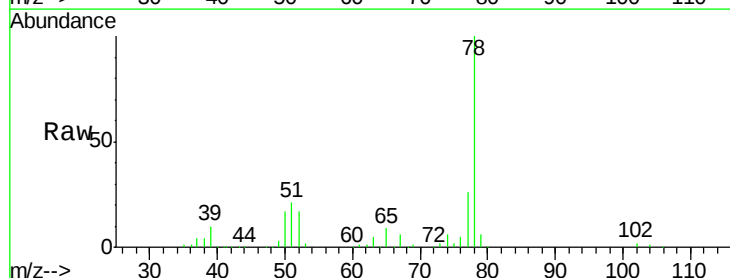
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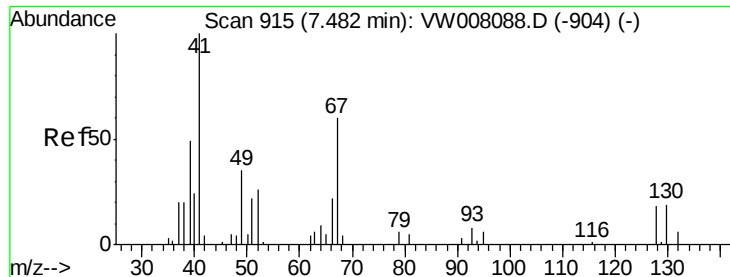
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#40
Benzene
Concen: 51.795 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	78	Resp	177748
Ion	Ratio	Lower	Upper
78	100		
77	25.5	20.2	30.4





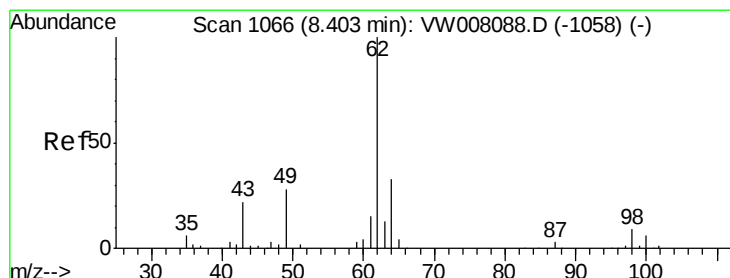
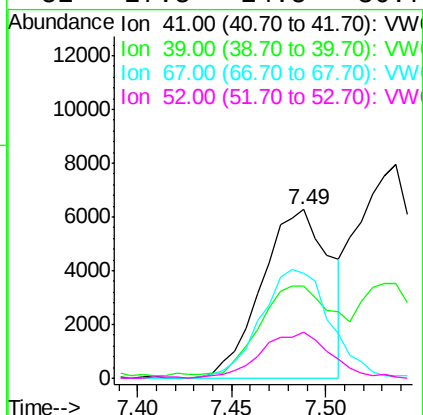
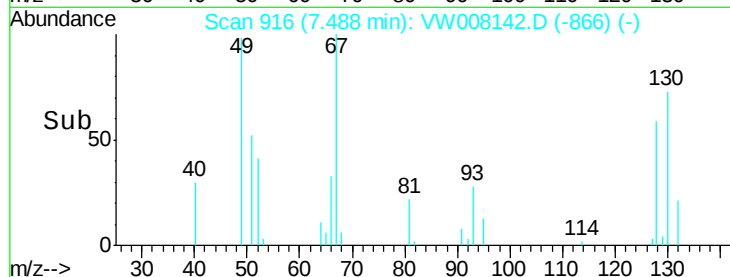
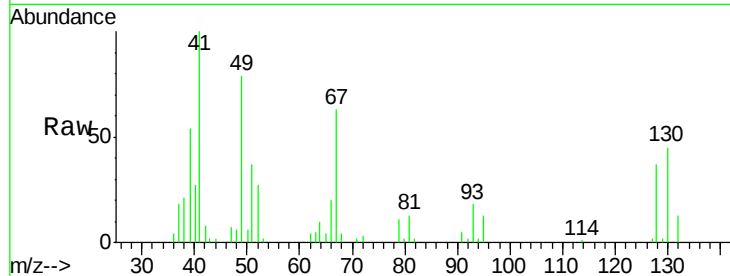
#41
Methacrylonitrile
Concen: 49.289 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.5	47.9	71.9	
67	65.5	56.3	84.5	
52	27.8	24.5	36.7	

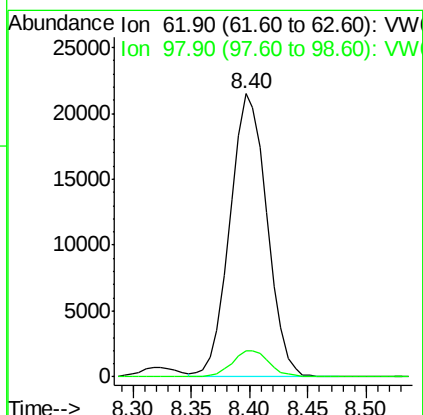
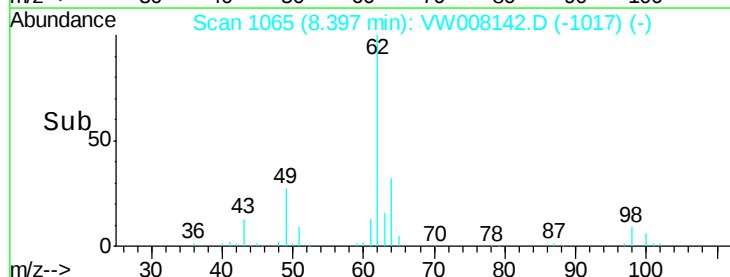
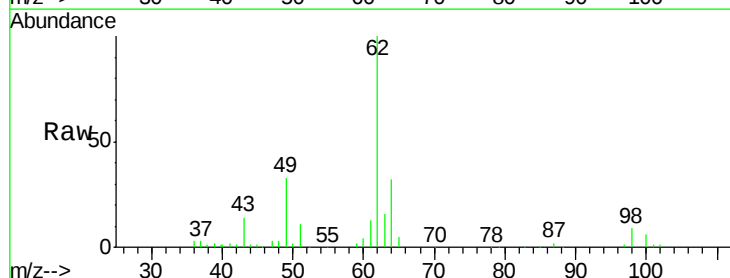
Manual Integrations
APPROVED

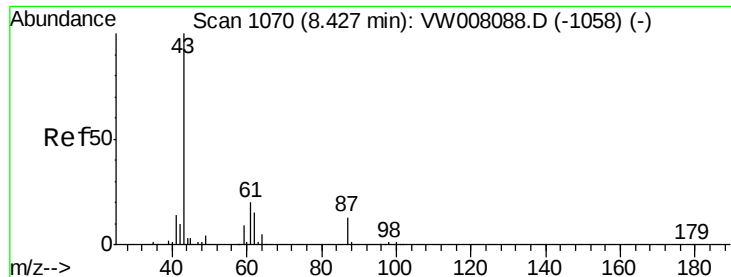
MMDadoda
1/11/2019 2:27:31 PM



#42
1,2-Dichloroethane
Concen: 49.352 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	18.6	





#43

Isopropyl Acetate

Concen: 48.356 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

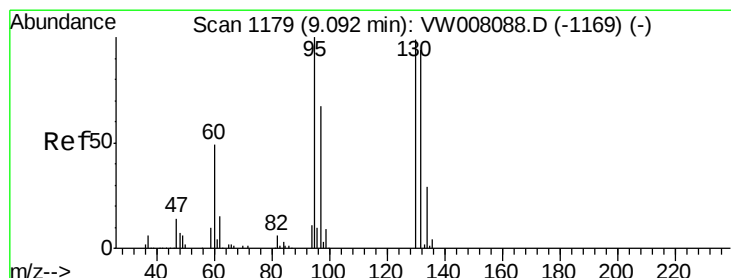
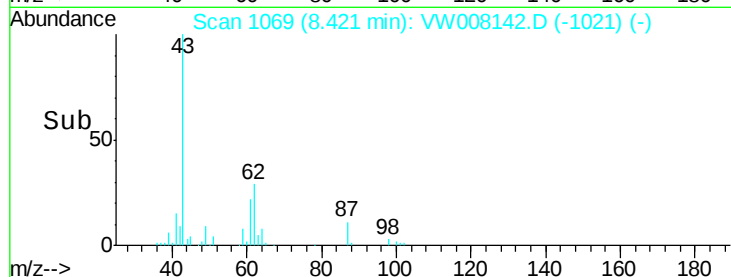
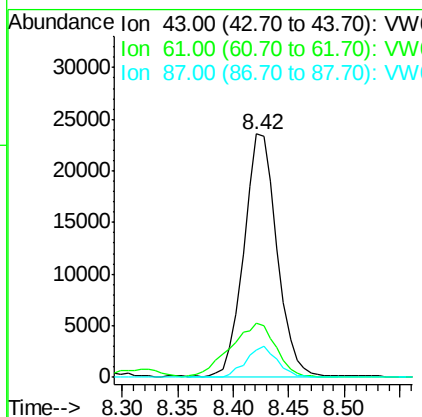
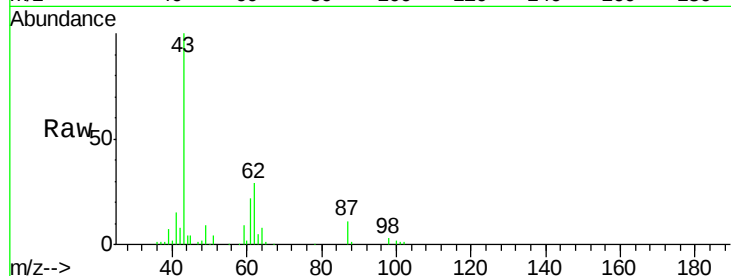
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	49009
Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.8	37.2
87	12.2	10.4	15.6

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#44

Trichloroethene

Concen: 50.537 ug/l

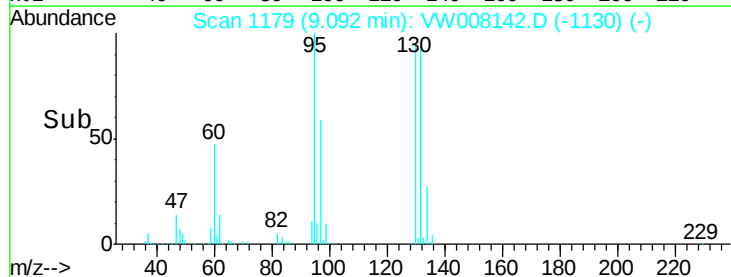
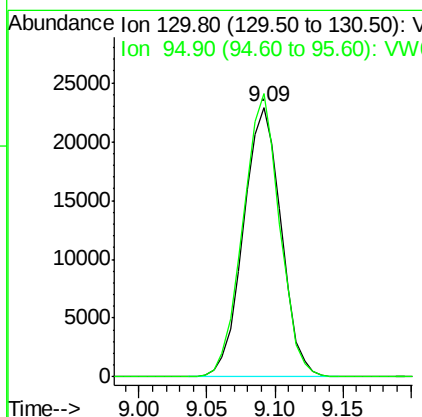
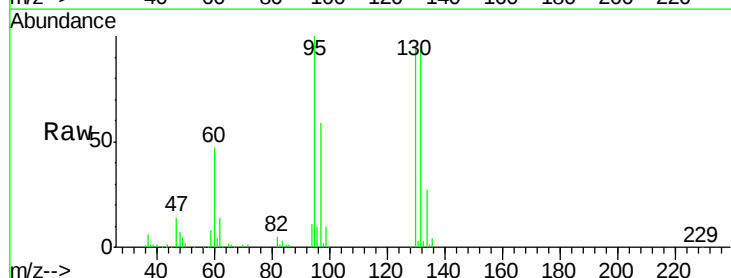
RT: 9.09 min Scan# 1179

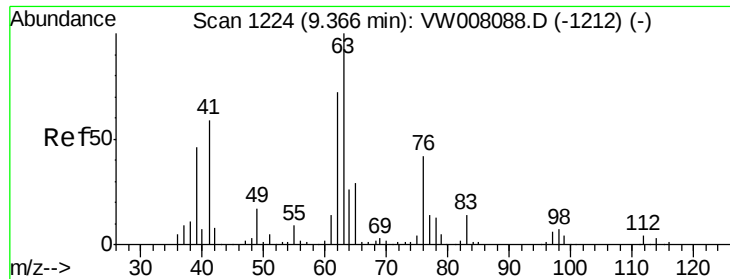
Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion:	130	Resp:	44396
Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	202.8





#45

1,2-Dichloropropane

Concen: 52.493 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 44668

Ion Ratio Lower Upper

63 100

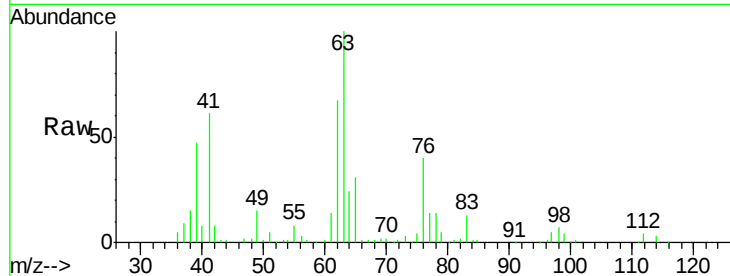
65 31.5 23.3 34.9

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

25000

20000

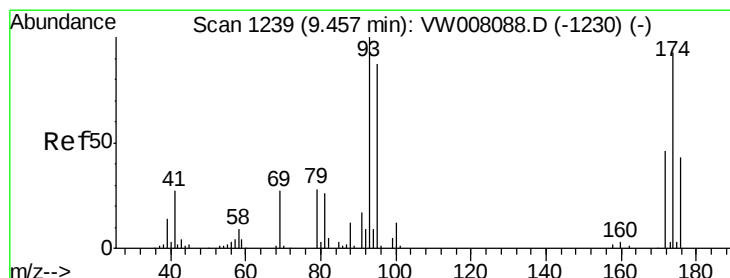
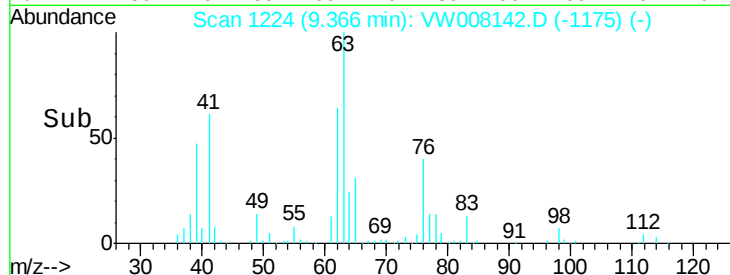
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 49.615 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

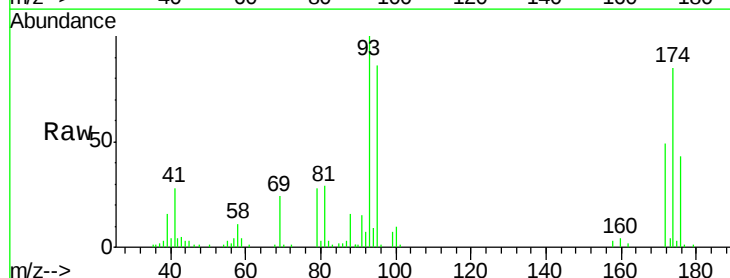
Tgt Ion: 93 Resp: 20734

Ion Ratio Lower Upper

93 100

95 83.2 67.5 101.3

174 91.9 72.5 108.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

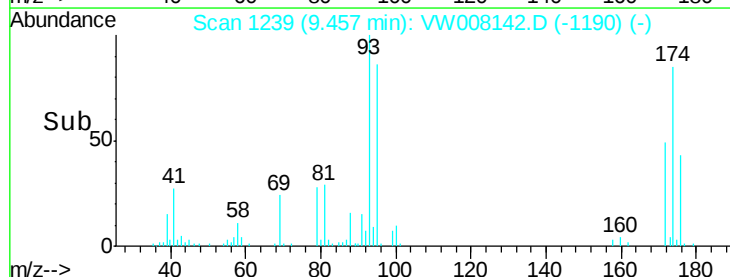
9.46

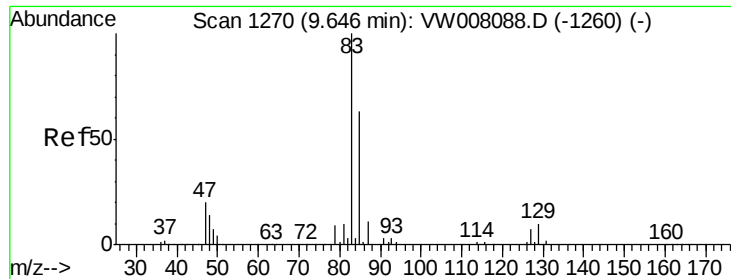
10000

5000

0

Time-->





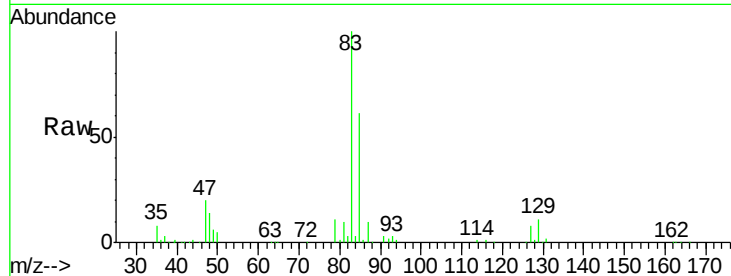
#47
Bromodichloromethane
Concen: 51.690 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

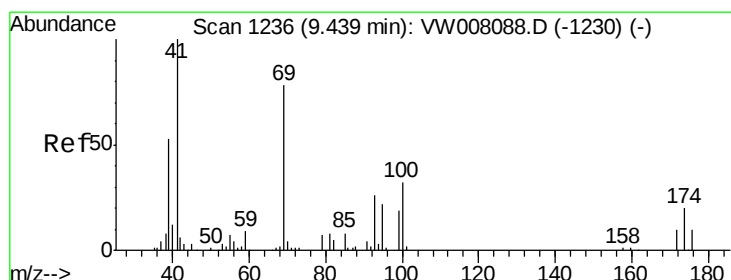
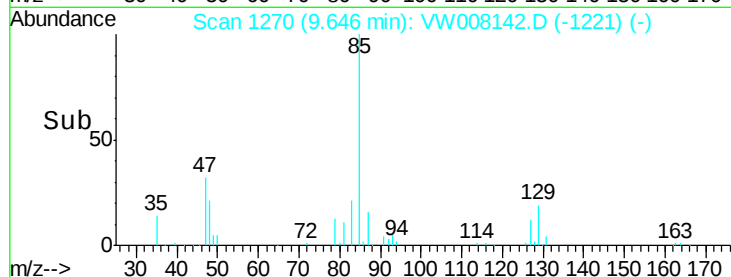
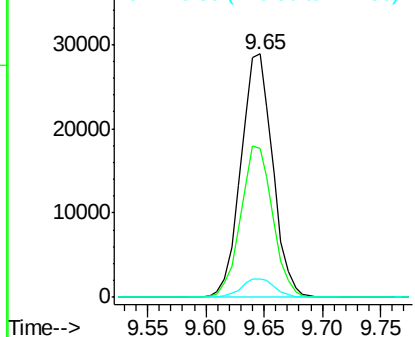
Tot Ion	83	Resp	54850
Ion Ratio	100	Lower	Upper
83	100		
85	61.4	50.7	76.1
127	7.6	6.0	9.0

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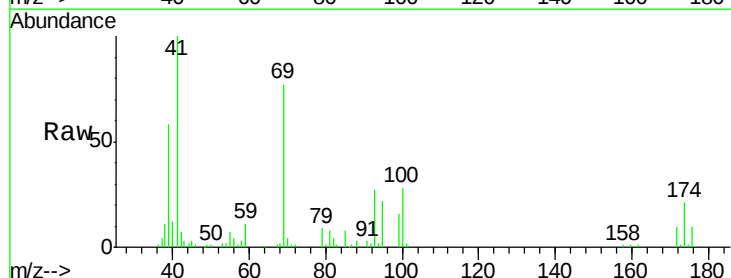


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

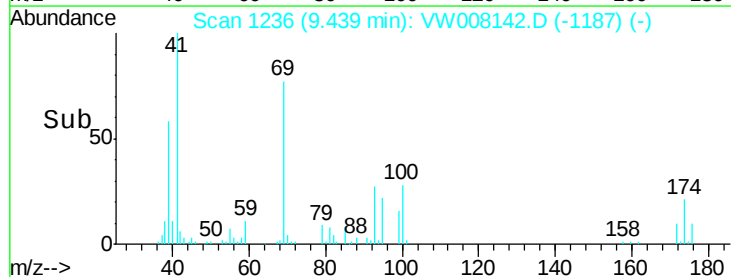
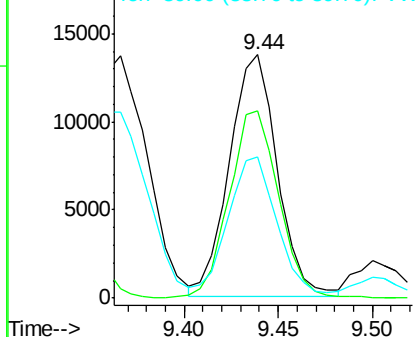


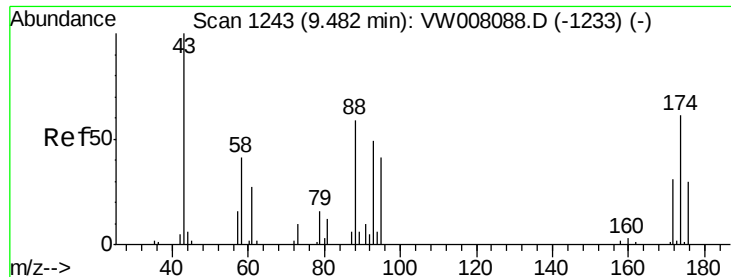
#48
Methyl methacrylate
Concen: 51.024 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	41	Resp	24401
Ion Ratio	100	Lower	Upper
41	100		
69	79.4	61.9	92.9
39	54.8	43.0	64.4



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





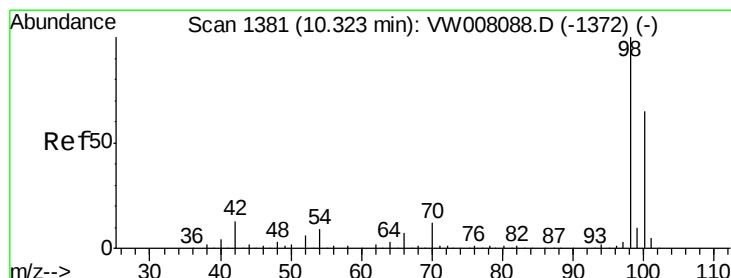
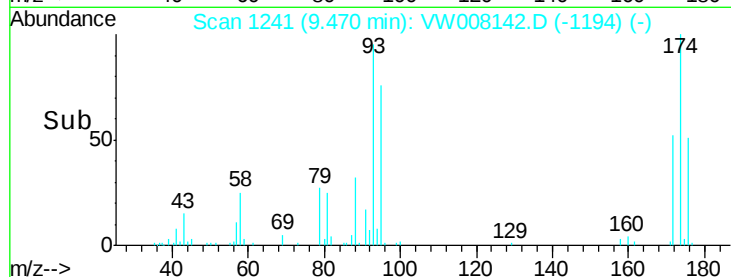
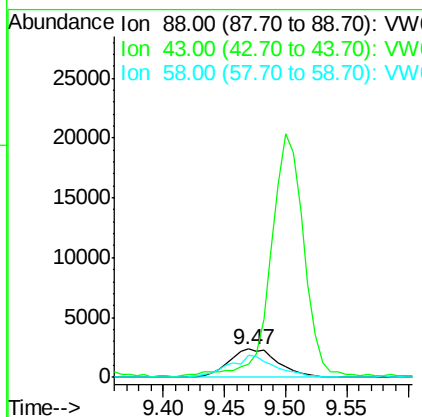
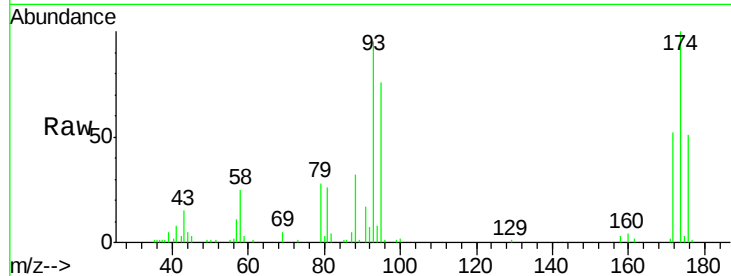
#49
1,4-Dioxane
Concen: 986.077 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.5	61.7	92.5

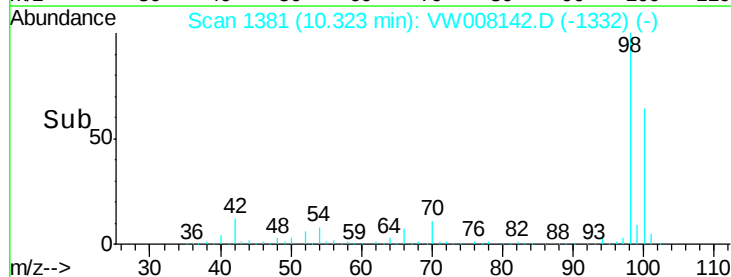
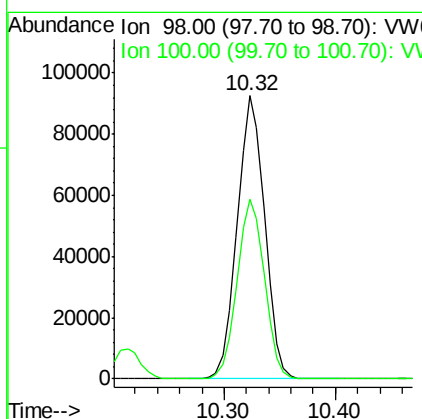
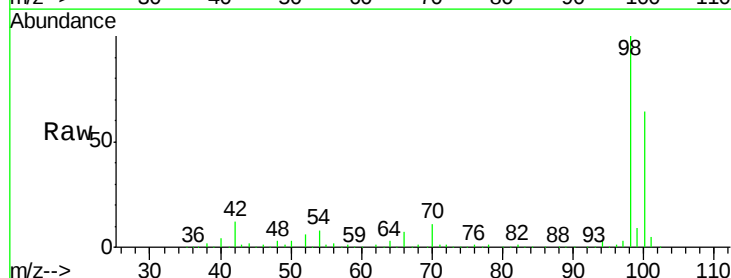
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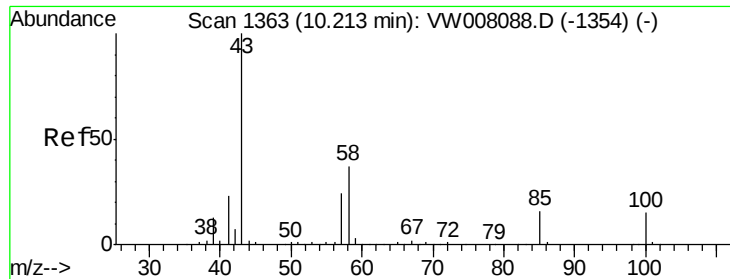
MMDadoda
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#50
Toluene-d8
Concen: 52.513 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 245.174 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 120280

Ion Ratio Lower Upper

43 100

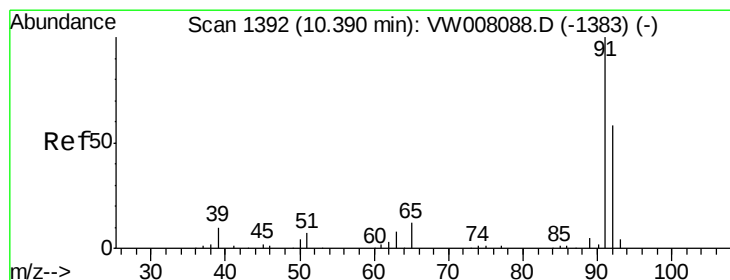
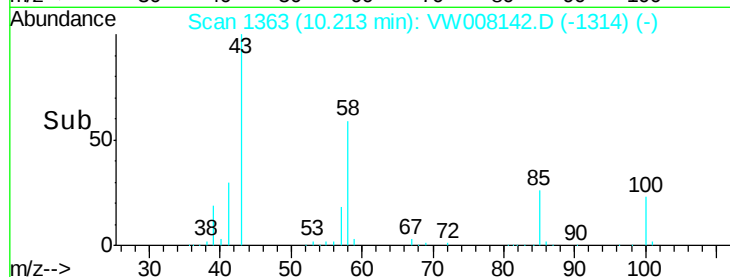
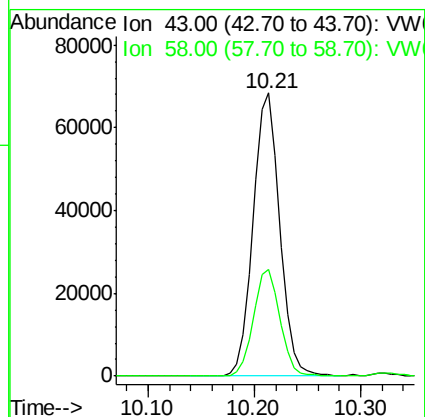
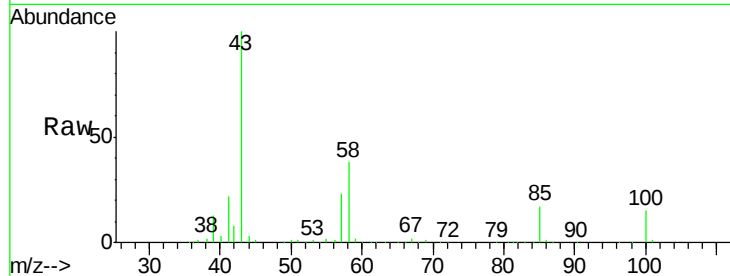
58 37.5 30.6 46.0

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#52

Toluene

Concen: 51.257 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008142.D

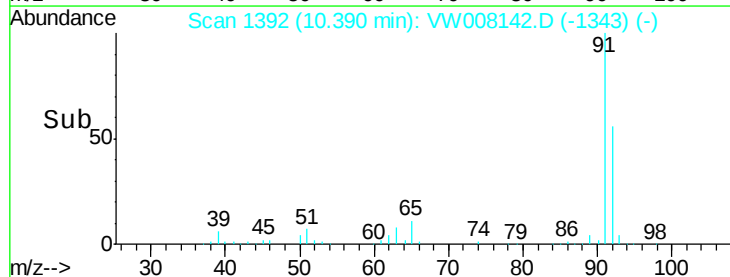
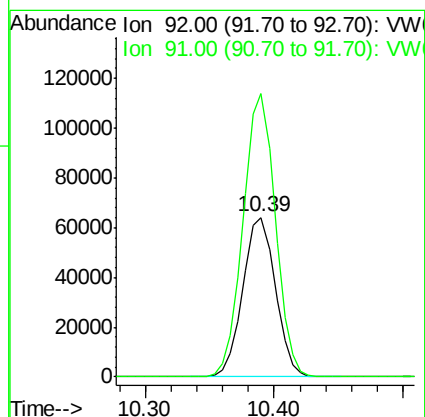
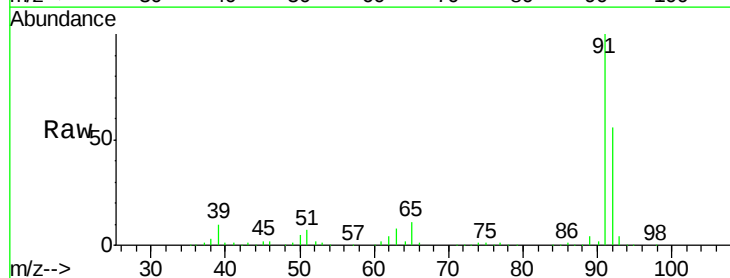
Acq: 10 Jan 2019 11:40

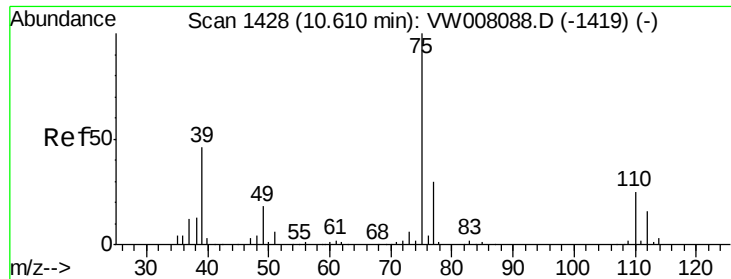
Tgt Ion: 92 Resp: 112338

Ion Ratio Lower Upper

92 100

91 175.0 137.0 205.4





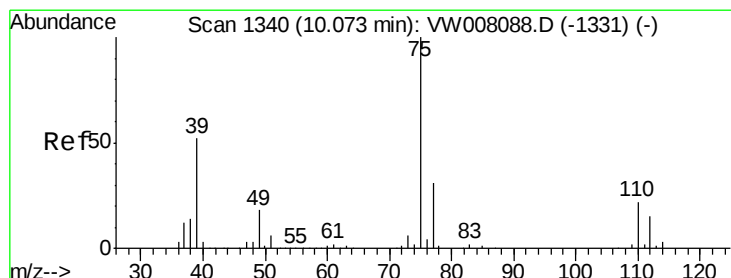
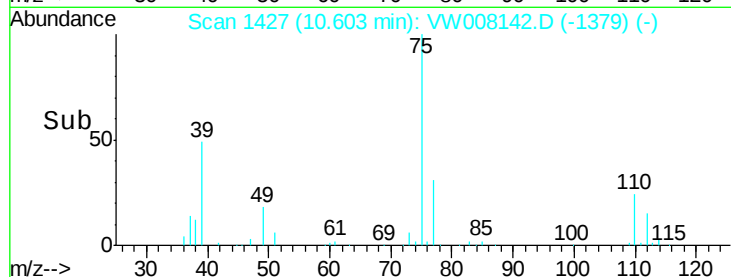
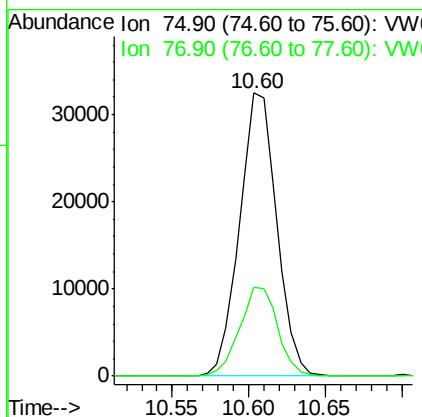
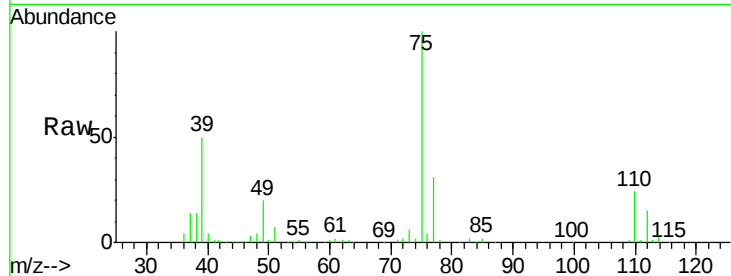
#53
t-1,3-Dichloropropene
Concen: 49.576 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 54720
Ion Ratio Lower Upper
75 100
77 31.3 24.4 36.6

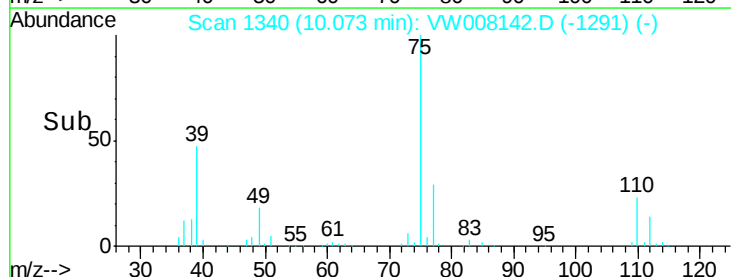
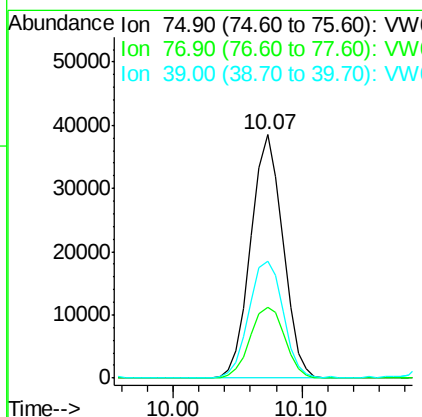
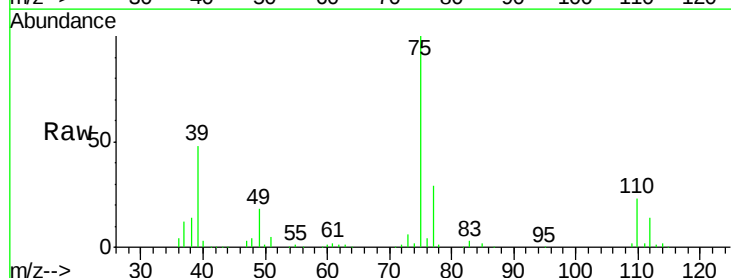
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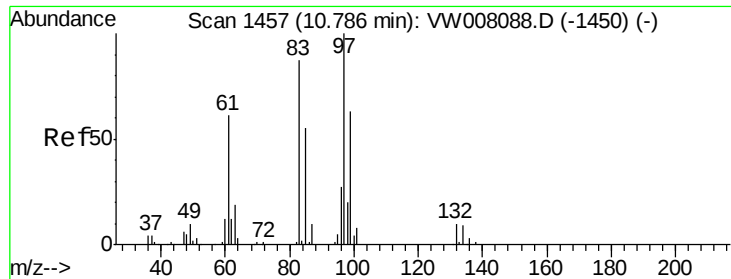
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#54
cis-1,3-Dichloropropene
Concen: 50.888 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion: 75 Resp: 66605
Ion Ratio Lower Upper
75 100
77 29.1 25.2 37.8
39 47.7 41.4 62.0





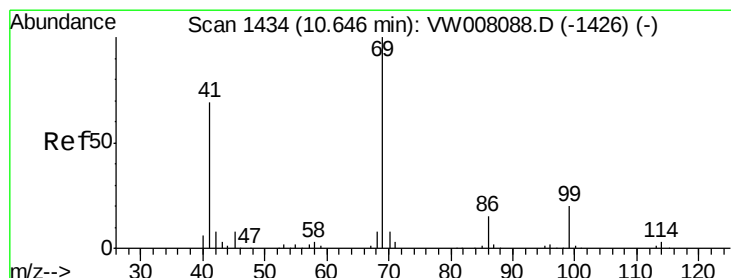
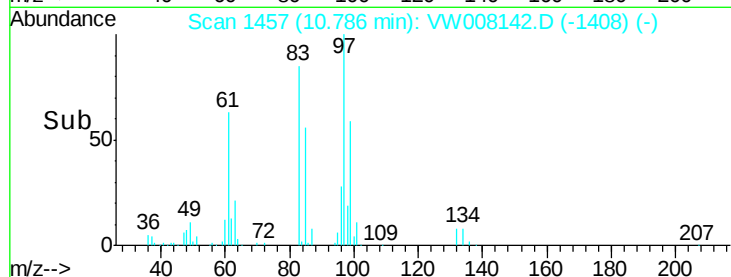
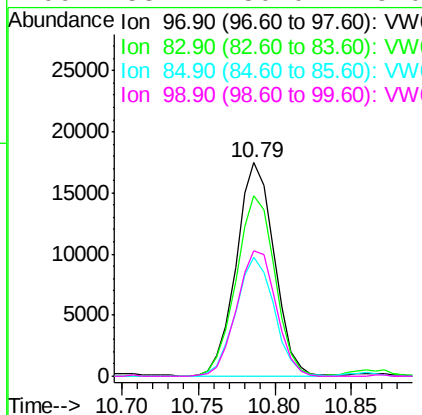
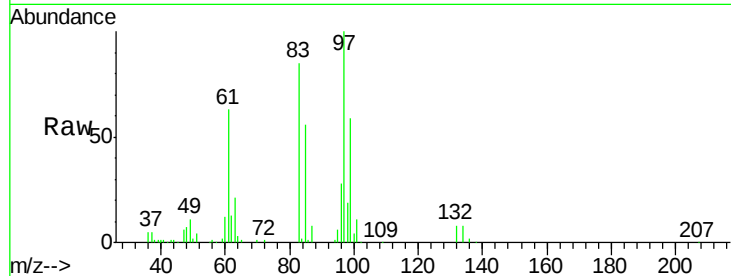
#55
 1,1,2-Trichloroethane
 Concen: 51.542 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	30241
Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.3	103.9
85	55.7	43.8	65.6
99	58.7	50.0	75.0

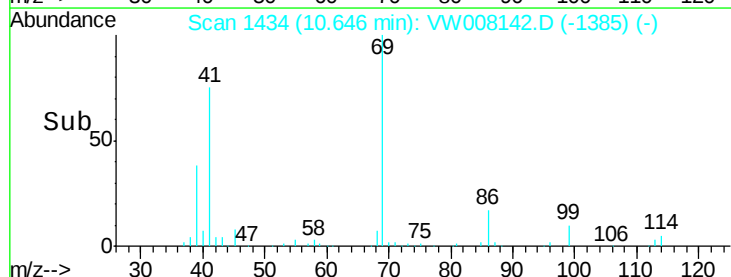
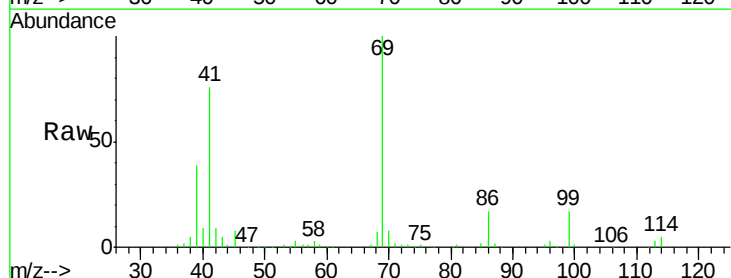
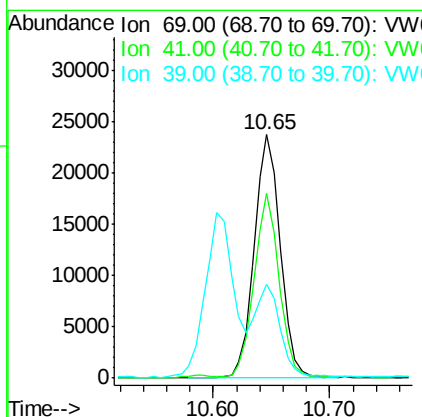
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#56
 Ethyl methacrylate
 Concen: 51.209 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Tgt Ion:	69	Resp:	37209
Ion	Ratio	Lower	Upper
69	100		
41	73.9	56.4	84.6
39	37.5	28.1	42.1





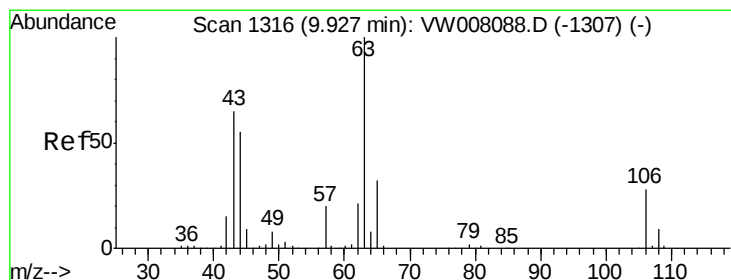
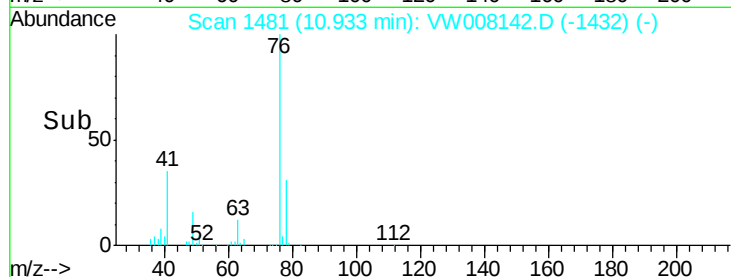
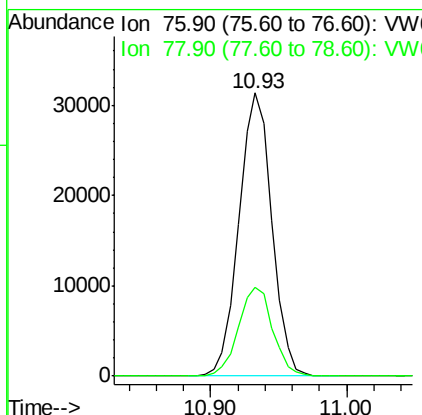
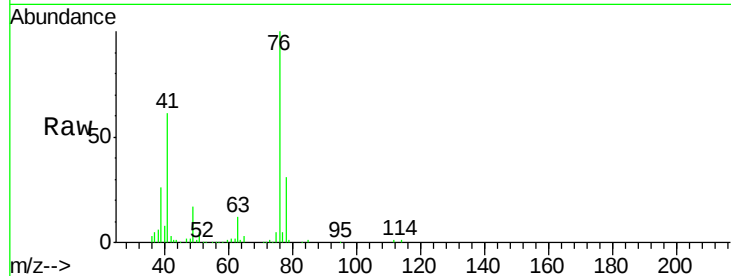
#57
 1,3-Dichloropropane
 Concen: 49.379 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 52986
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

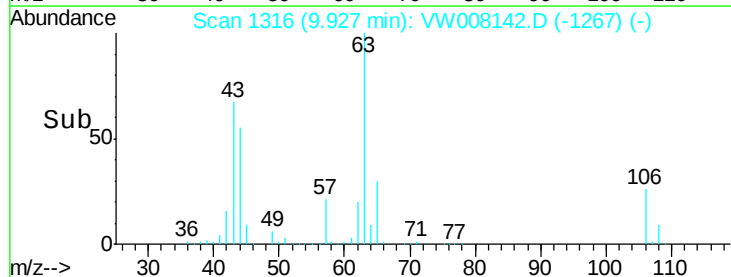
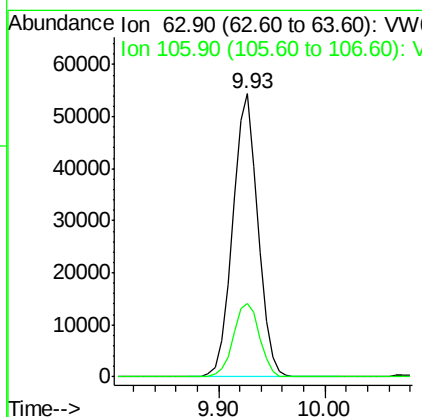
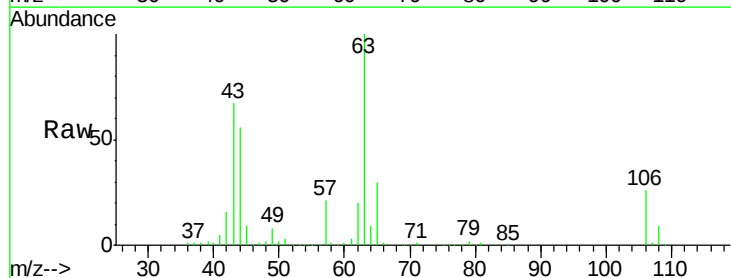
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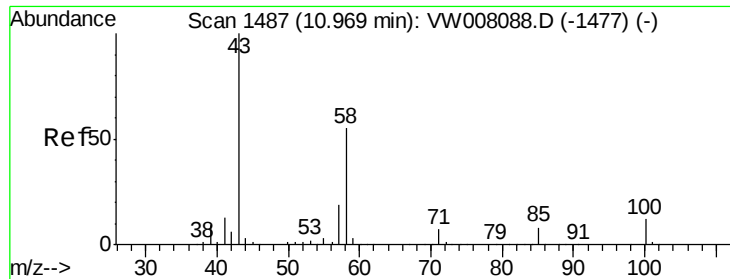
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#58
 2-Chloroethyl Vinyl ether
 Concen: 240.028 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Tgt Ion: 63 Resp: 90090
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.8 32.6





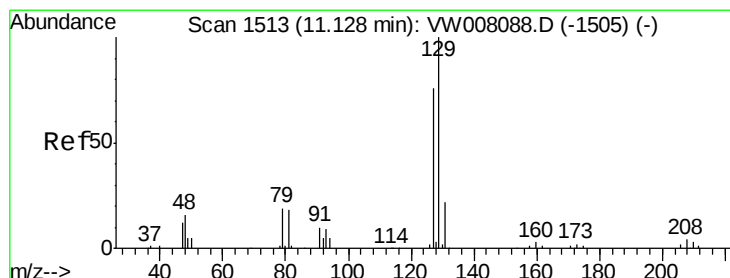
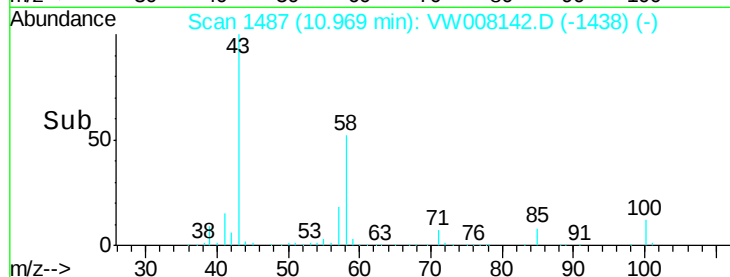
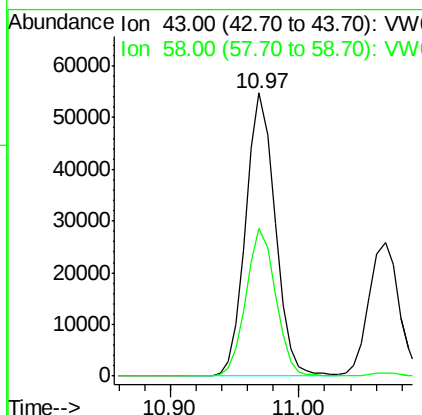
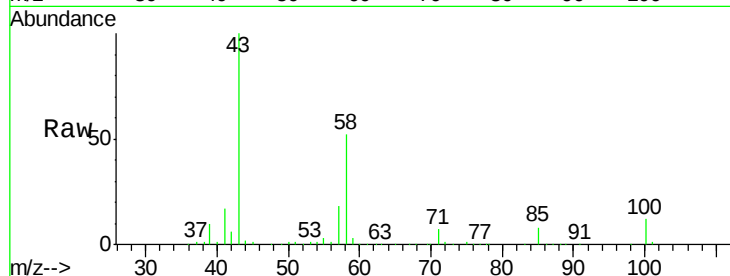
#59
2-Hexanone
Concen: 261.213 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 86660
Ion Ratio Lower Upper
43 100
58 52.3 27.2 81.5

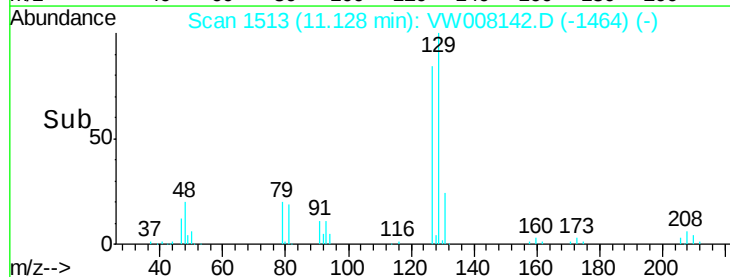
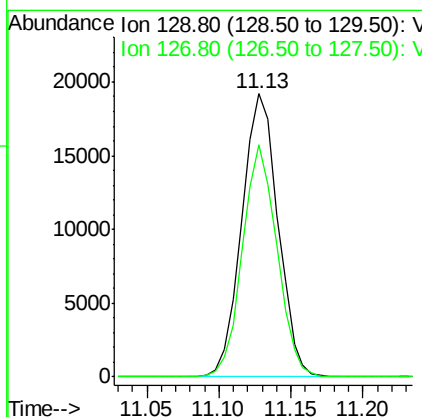
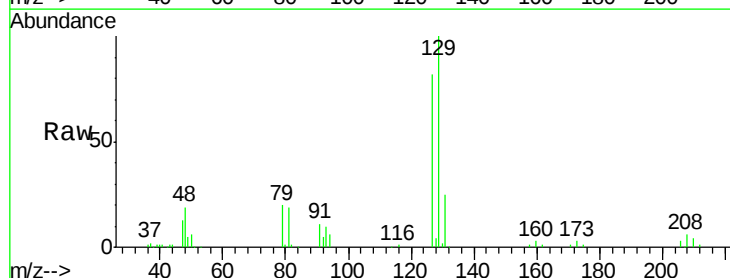
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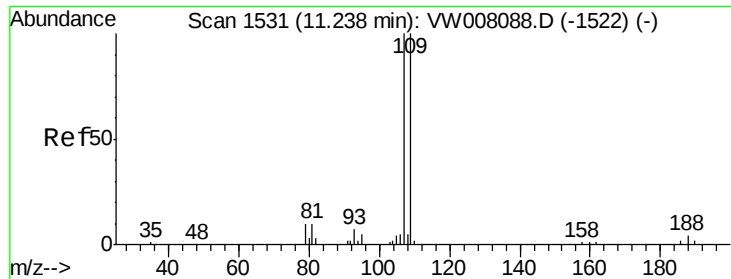
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#60
Dibromochloromethane
Concen: 51.837 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion: 129 Resp: 33398
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.6





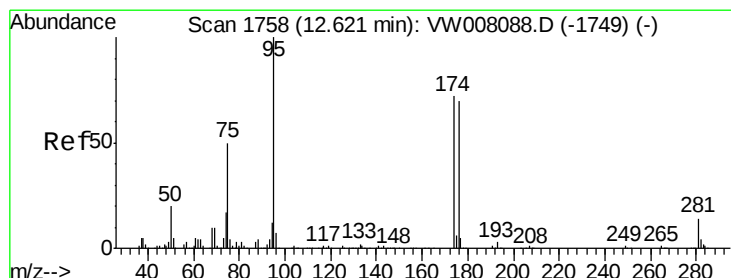
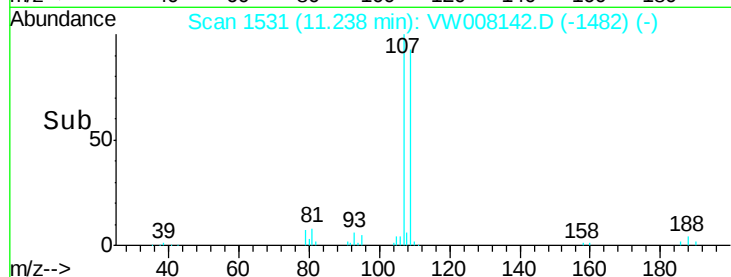
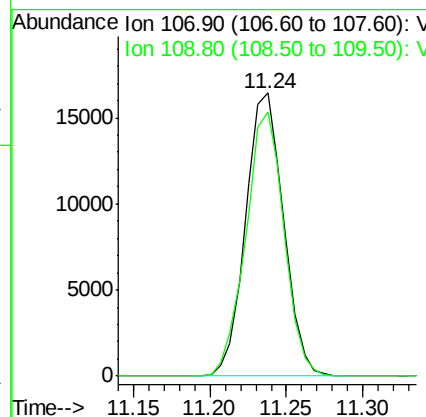
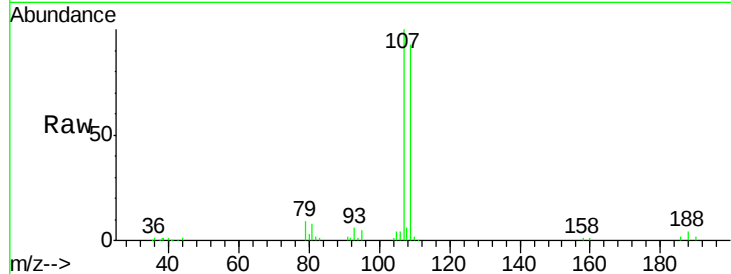
#61
 1,2-Dibromoethane
 Concen: 50.869 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

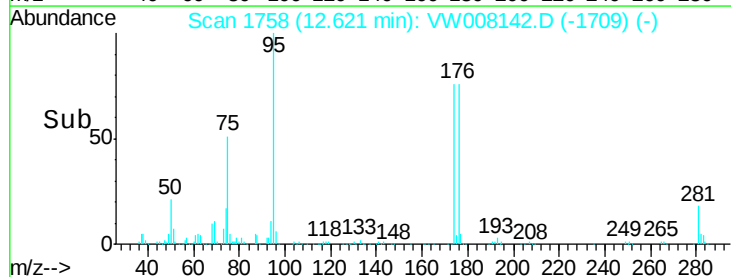
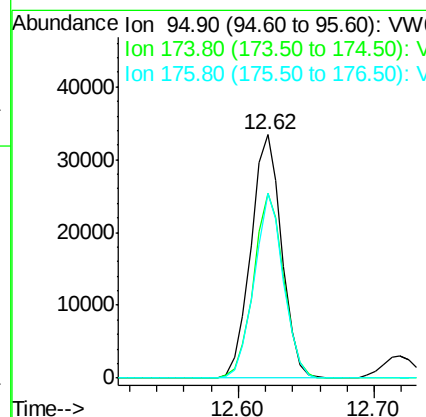
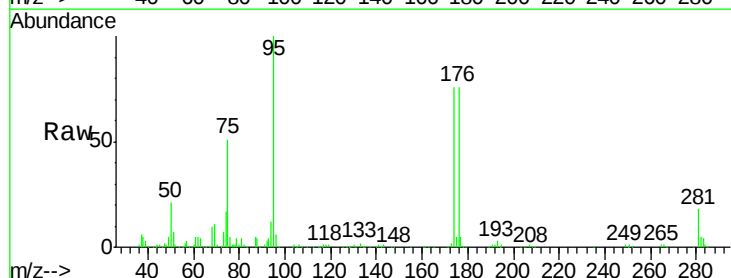
Manual Integrations
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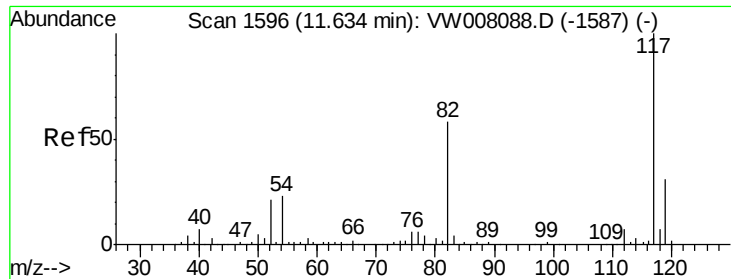
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#62
 4-Bromofluorobenzene
 Concen: 49.055 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	143.0
176	72.5	0.0	140.2





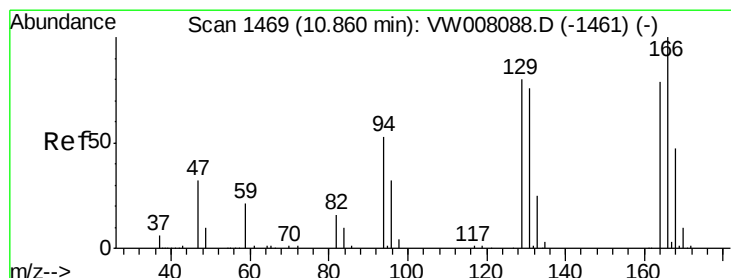
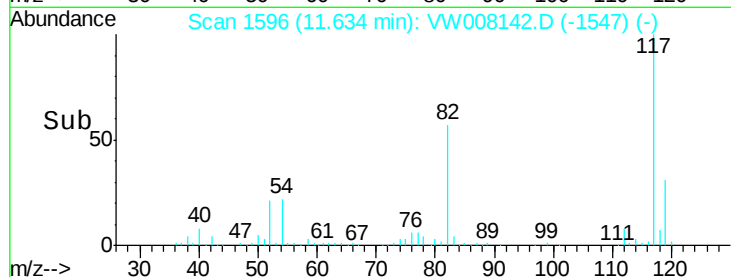
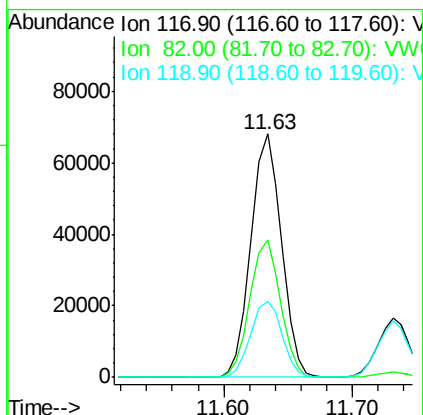
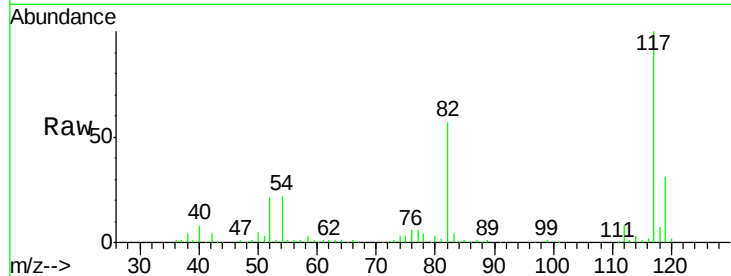
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.4	69.6
119	31.3	24.7	37.1

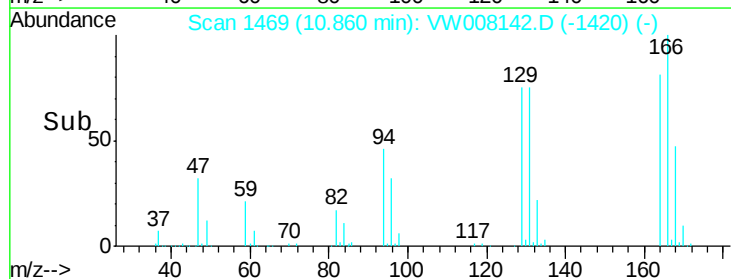
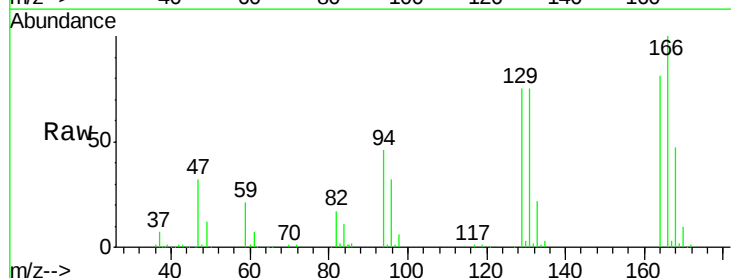
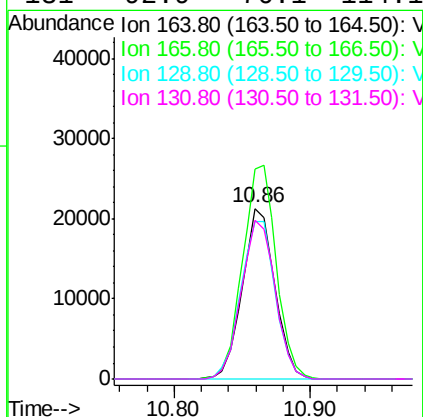
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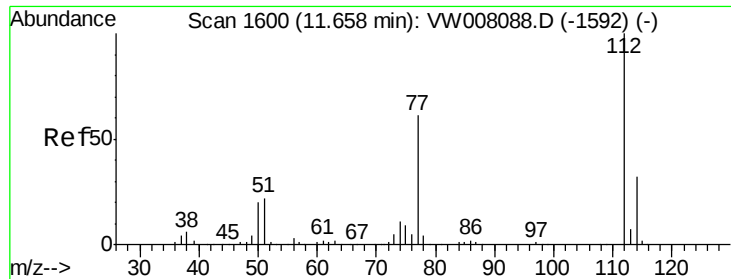
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#64
Tetrachloroethene
Concen: 49.211 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	100.7	151.1
129	92.1	81.0	121.4
131	92.9	76.1	114.1





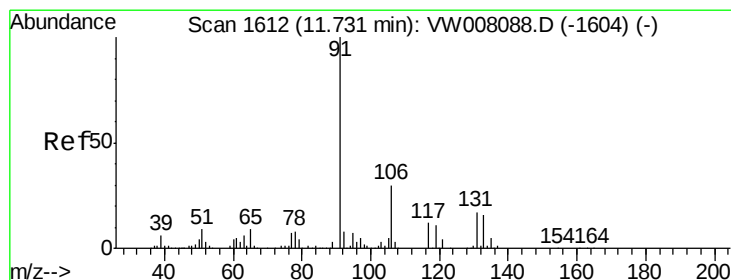
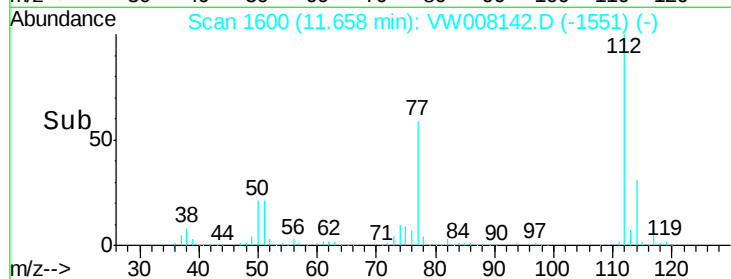
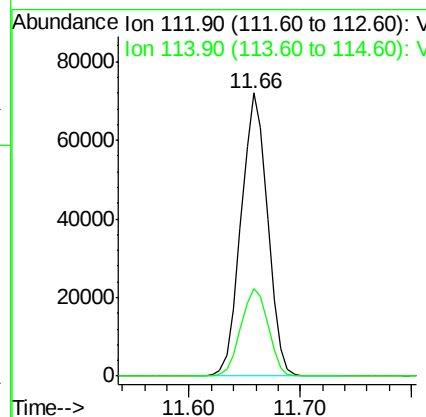
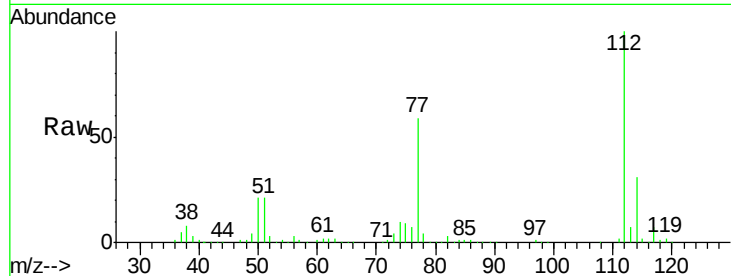
#65
Chlorobenzene
Concen: 50.250 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 118493
Ion Ratio Lower Upper
112 100
114 30.9 25.6 38.4

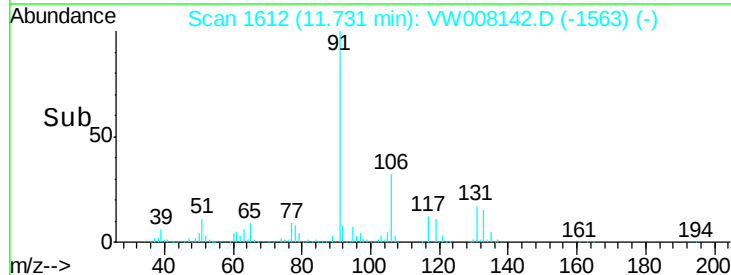
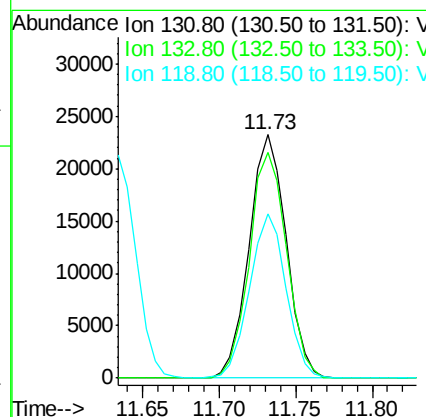
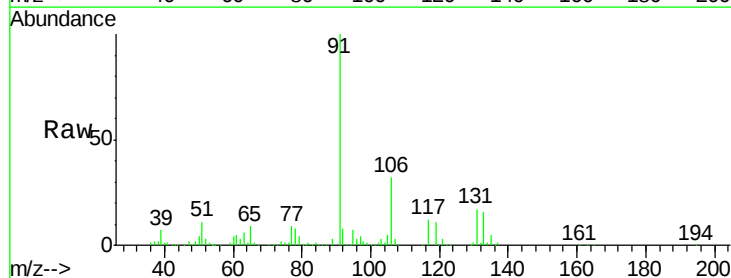
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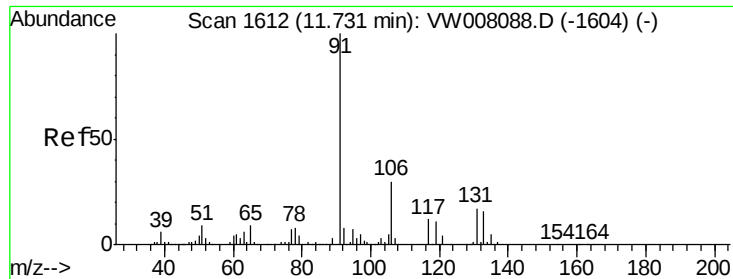
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.001 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion:131 Resp: 39116
Ion Ratio Lower Upper
131 100
133 93.4 47.9 143.7
119 66.5 32.5 97.4





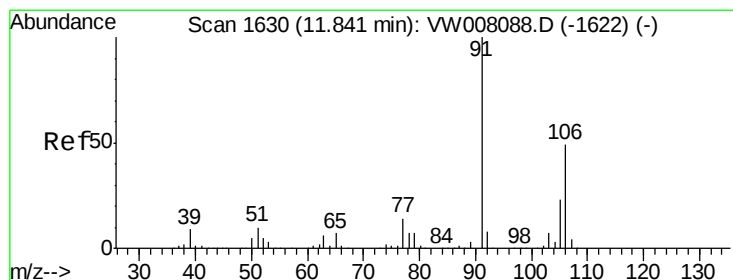
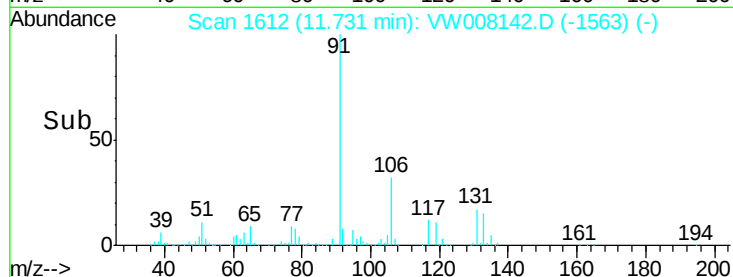
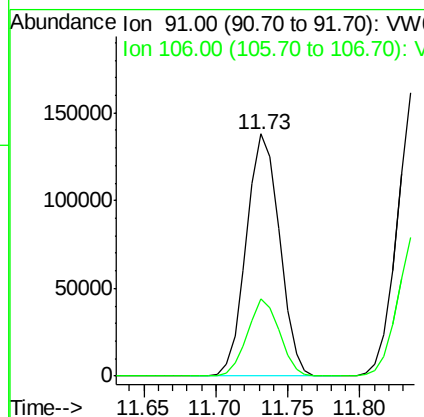
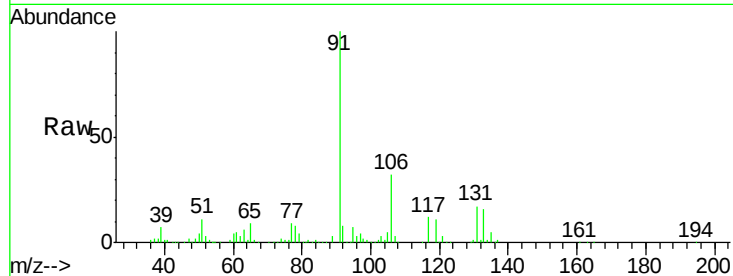
#67
Ethyl Benzene
Concen: 51.043 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 220231
Ion Ratio Lower Upper
91 100
106 32.2 24.2 36.4

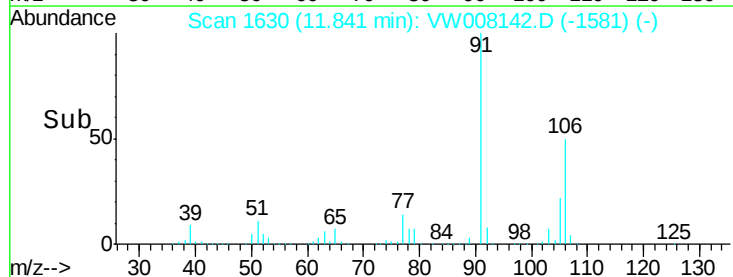
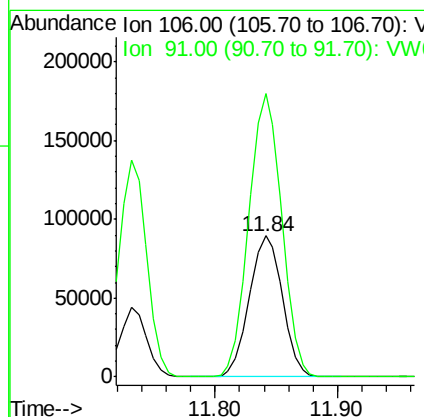
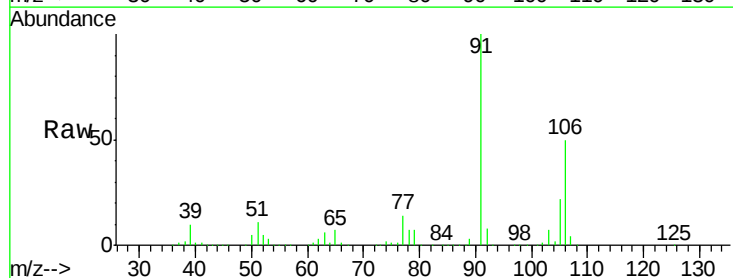
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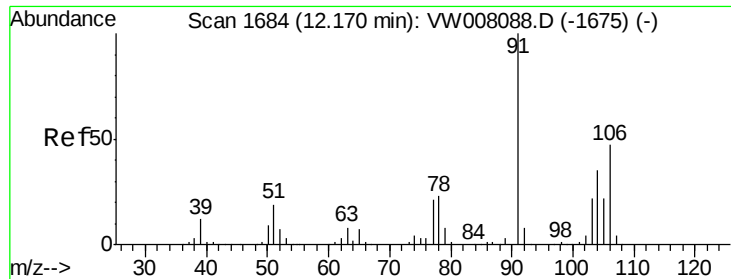
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#68
m/p-Xylenes
Concen: 102.450 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion: 106 Resp: 168719
Ion Ratio Lower Upper
106 100
91 199.4 162.4 243.6





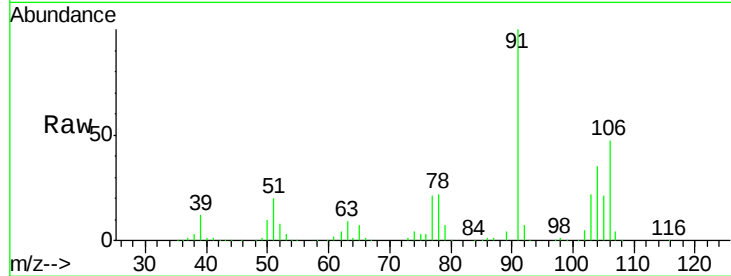
#69
o-Xylene
Concen: 51.263 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

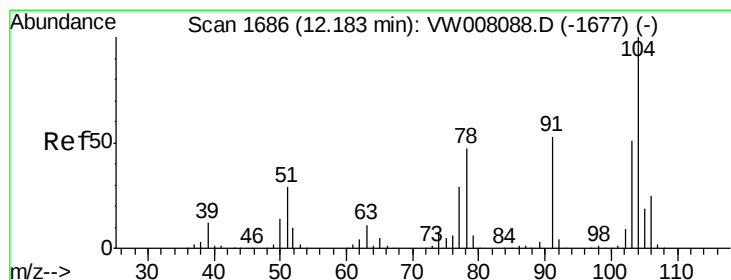
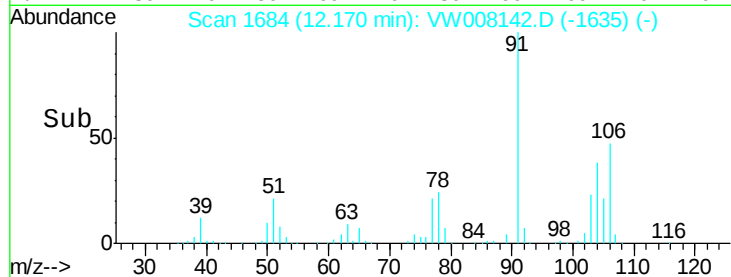
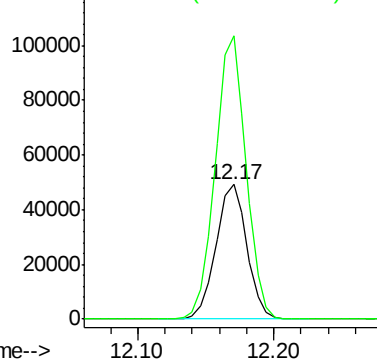
Tot Ion:106 Resp: 78179
Ion Ratio Lower Upper
106 100
91 209.6 107.8 323.6

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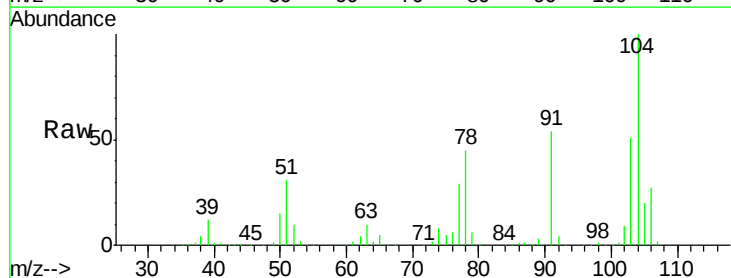


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

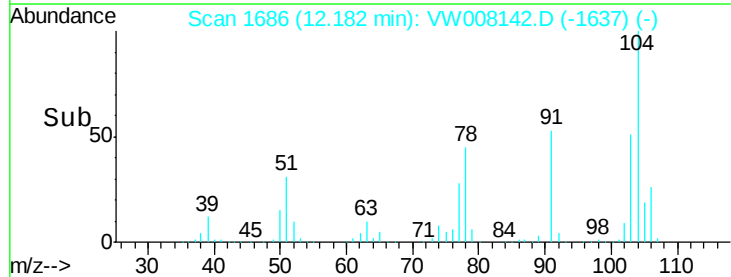
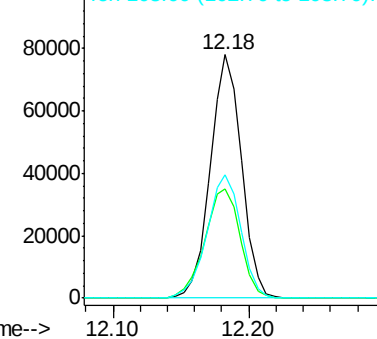


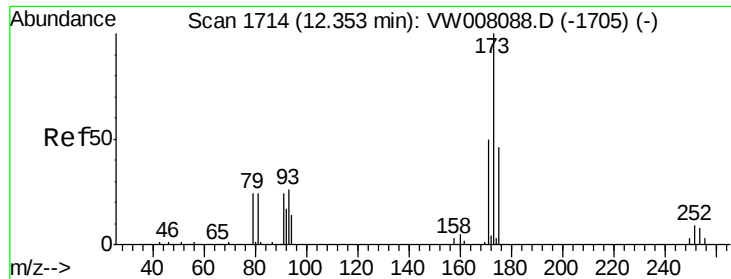
#70
Styrene
Concen: 52.221 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion:104 Resp: 124742
Ion Ratio Lower Upper
104 100
78 51.1 41.8 62.8
103 55.1 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.377 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 17979

Ion Ratio Lower Upper

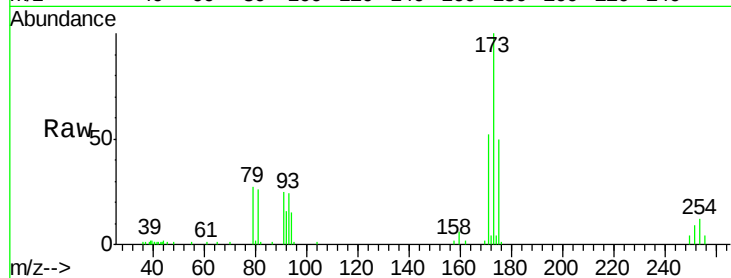
173 100

175 48.5 23.3 69.8

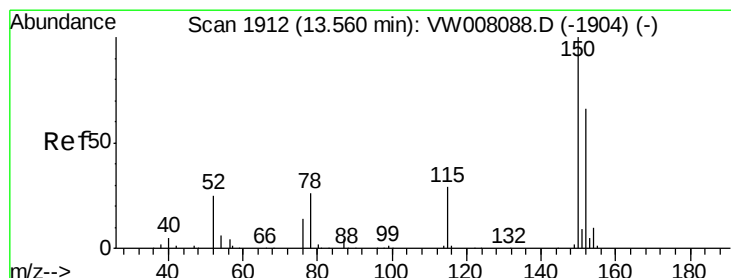
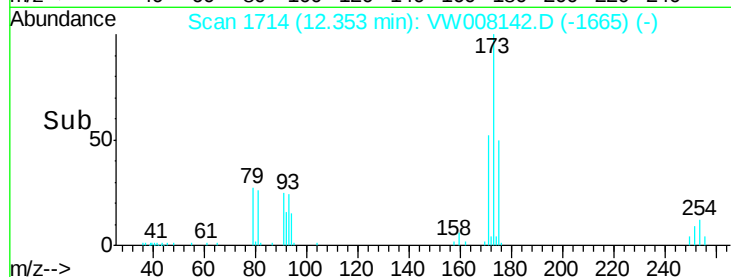
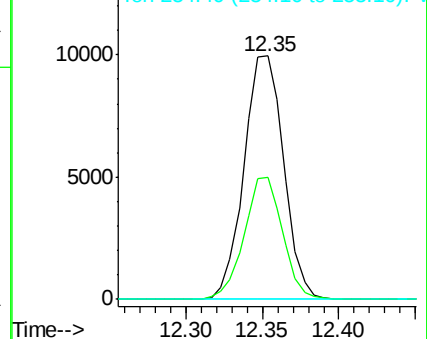
254 0.0 0.0 0.0

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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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

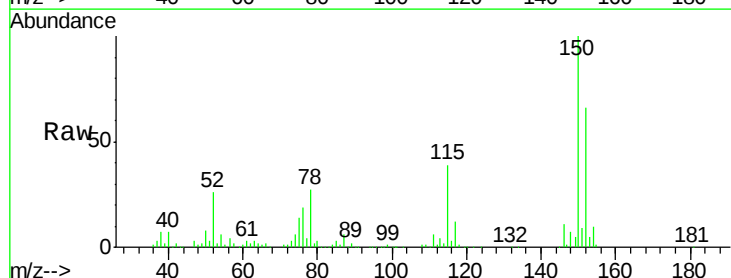
Tgt Ion:152 Resp: 52706

Ion Ratio Lower Upper

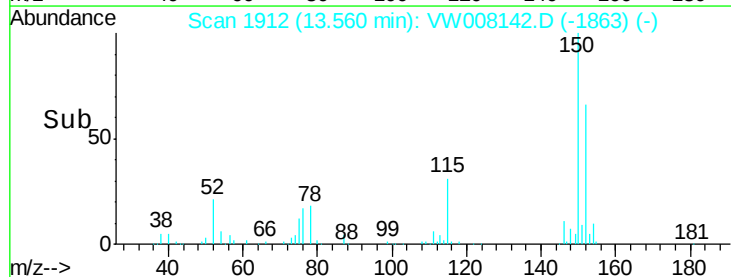
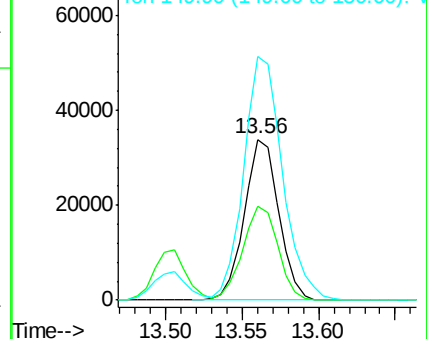
152 100

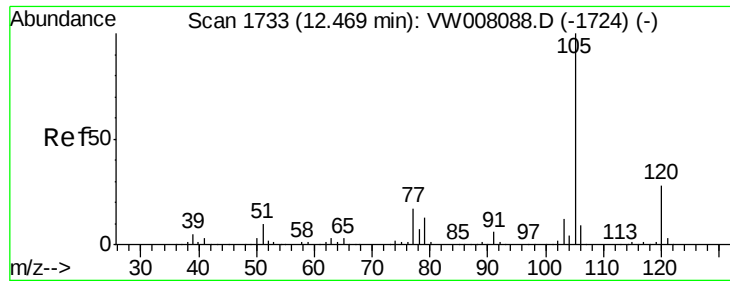
115 59.8 30.8 92.4

150 170.9 0.0 350.2



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: 51.722 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 214019

Ion Ratio Lower Upper

105 100

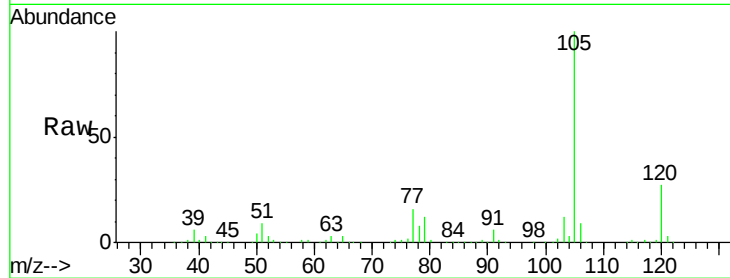
120 26.7 13.6 40.8

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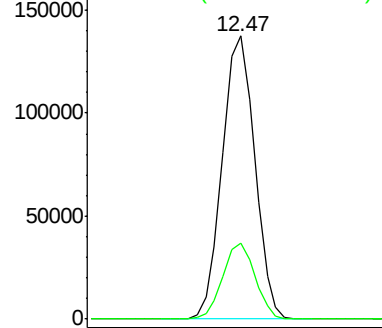
MMDadoda

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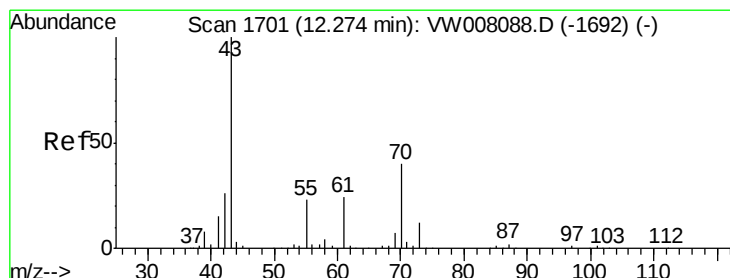
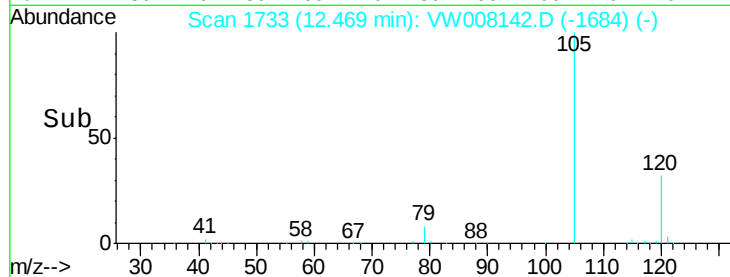


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 49.161 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion: 43 Resp: 45049

Ion Ratio Lower Upper

43 100

70 41.2 32.4 48.6

55 24.4 18.7 28.1

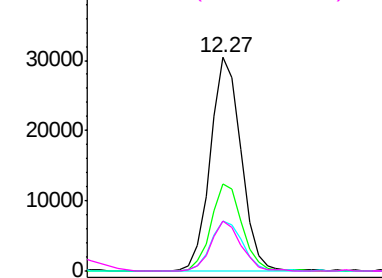
61 23.2 19.0 28.6

Abundance Ion 43.00 (42.70 to 43.70): VW

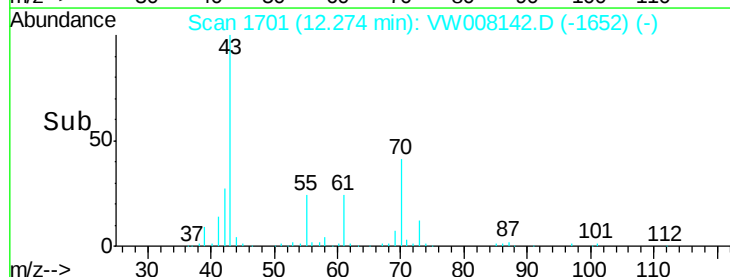
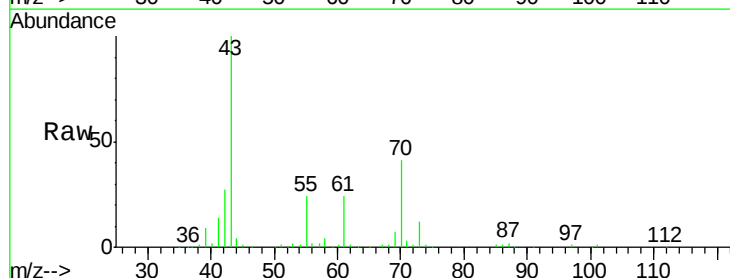
Ion 70.00 (69.70 to 70.70): VW

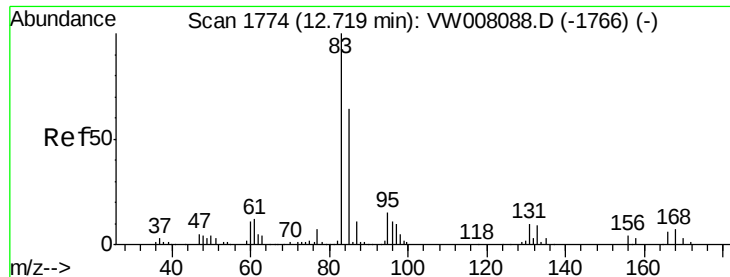
Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.930 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

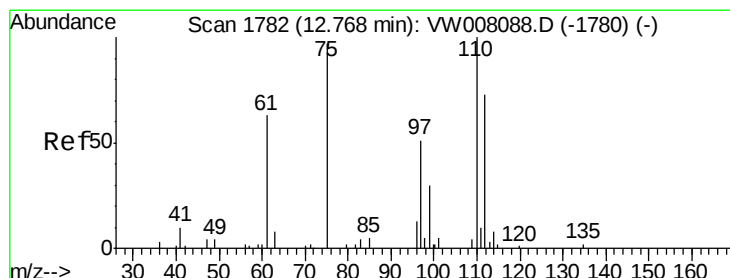
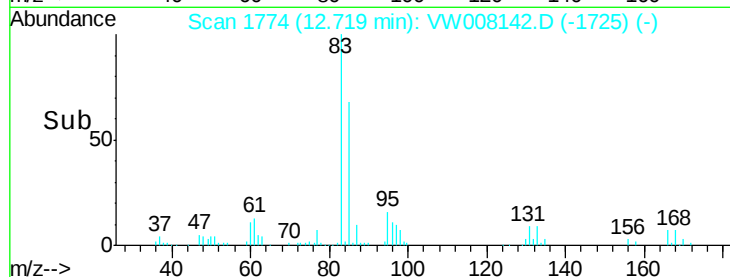
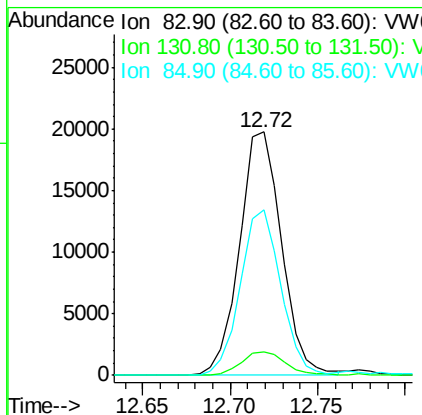
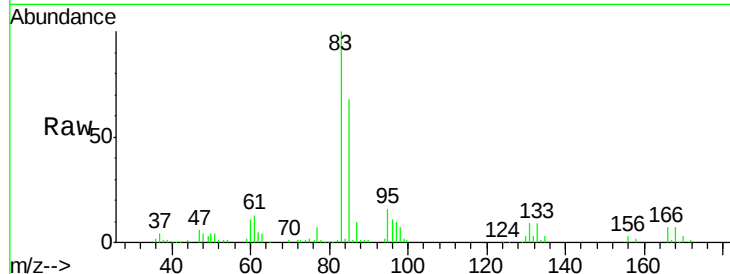
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	33070
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	65.3	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.977 ug/l m

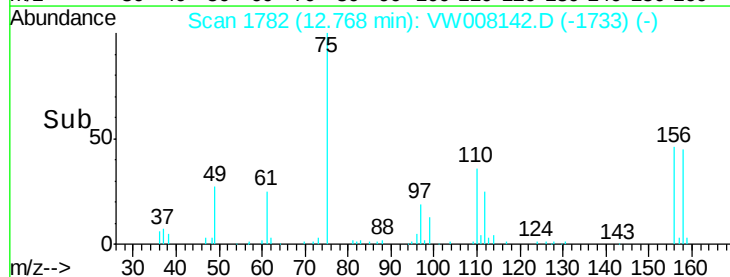
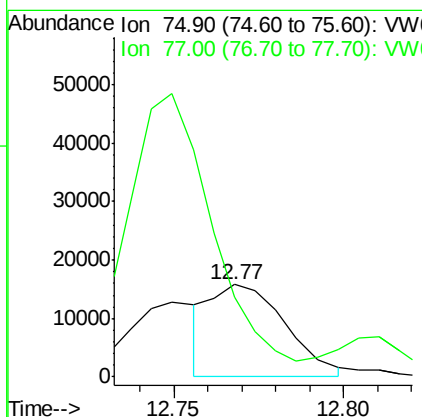
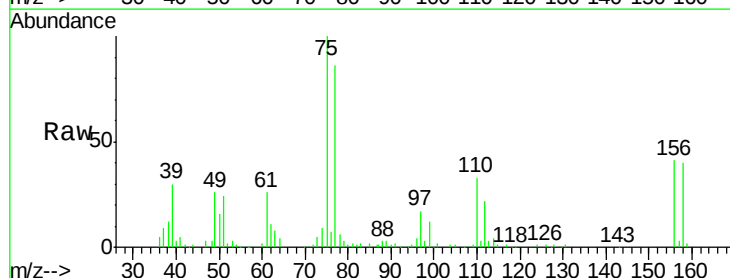
RT: 12.77 min Scan# 1782

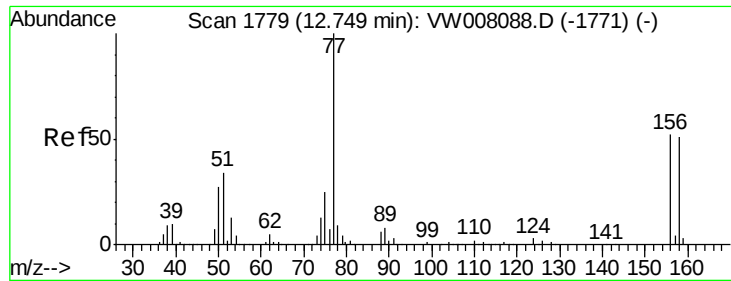
Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion:	75	Resp:	24493
Ion Ratio	Lower	Upper	
75	100		
77	354.5	179.4	538.2





#77

Bromobenzene

Concen: 50.875 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 44482

Ion Ratio Lower Upper

156 100

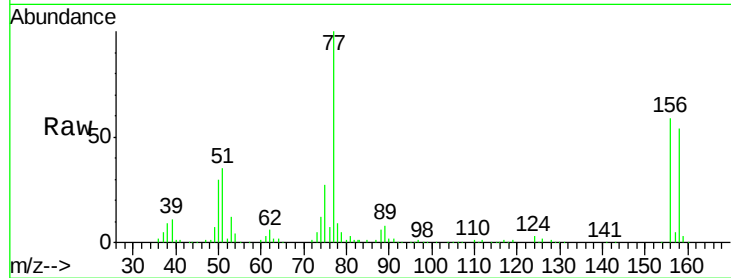
77 195.2 104.2 312.5

158 96.6 47.9 143.6

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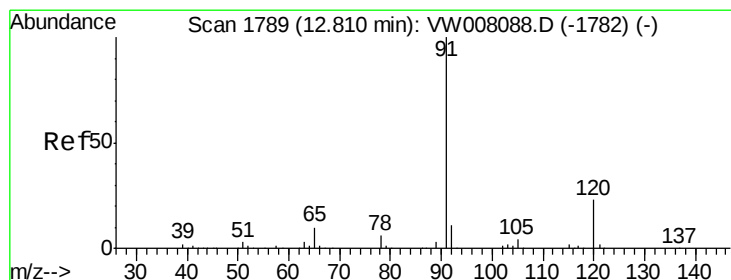
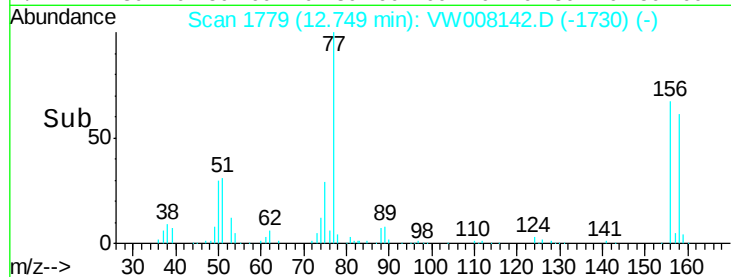
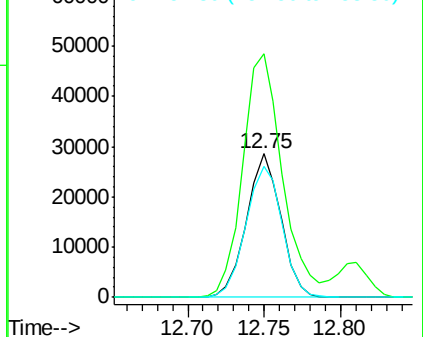
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.891 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008142.D

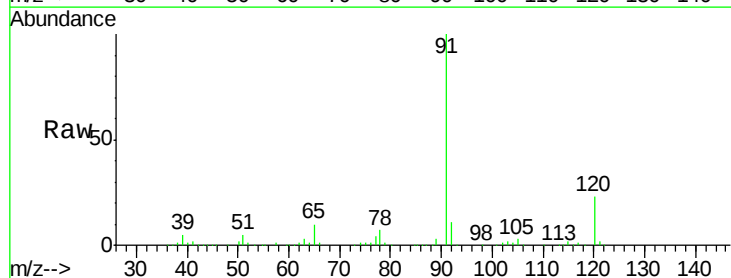
Acq: 10 Jan 2019 11:40

Tgt Ion: 91 Resp: 263093

Ion Ratio Lower Upper

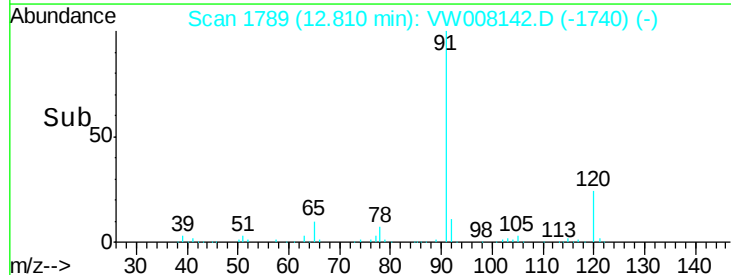
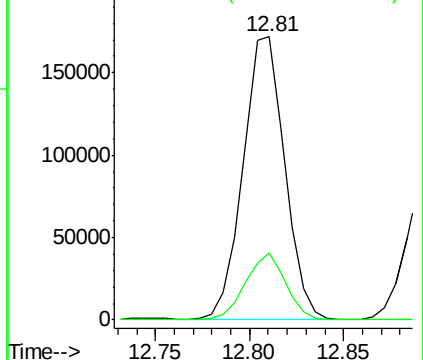
91 100

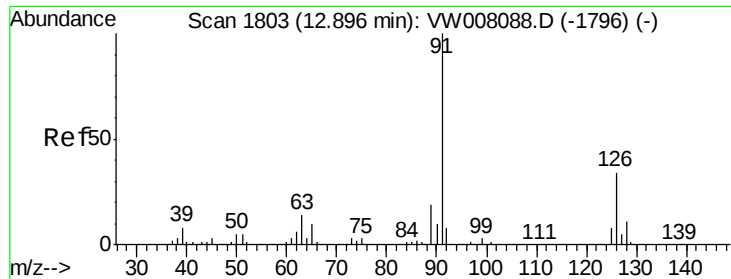
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.452 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 142710

Ion Ratio Lower Upper

91 100

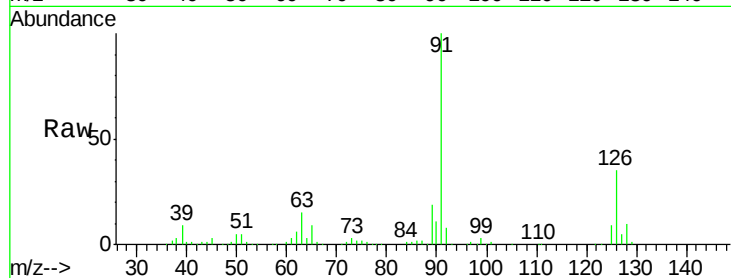
126 34.2 16.8 50.3

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

200000

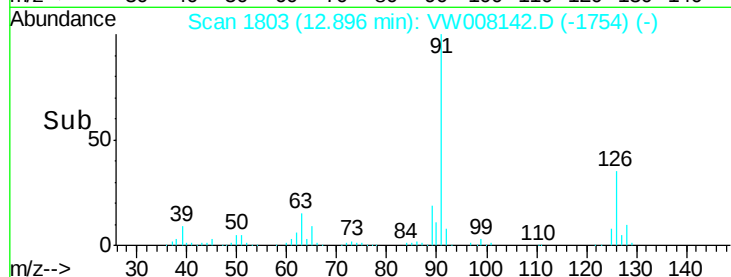
150000

100000

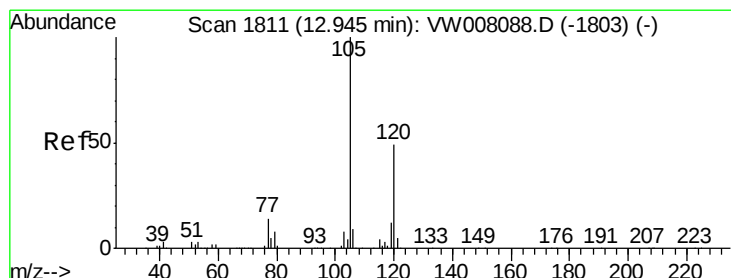
50000

0

12.85 12.90 12.95



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.044 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008142.D

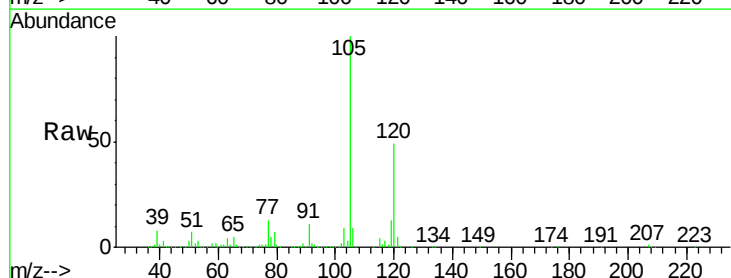
Acq: 10 Jan 2019 11:40

Tgt Ion:105 Resp: 173569

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

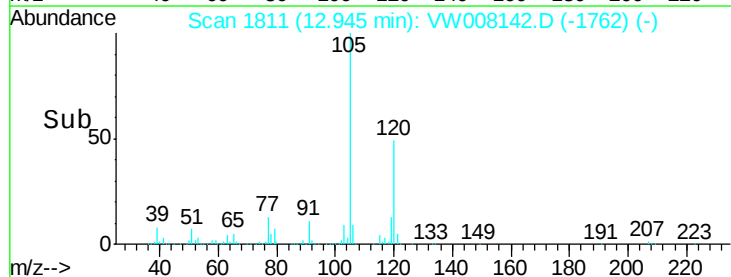
60000

40000

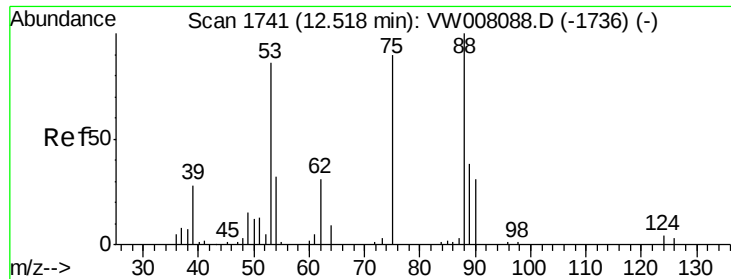
20000

0

12.90 12.94 13.00



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 51.884 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

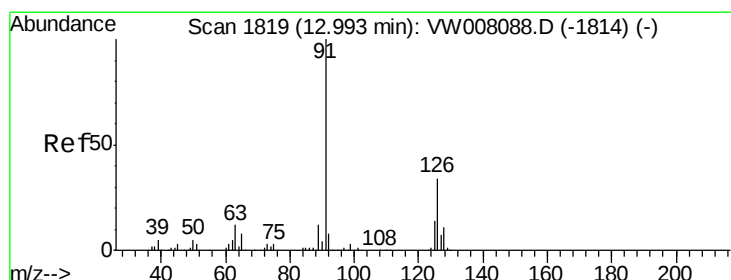
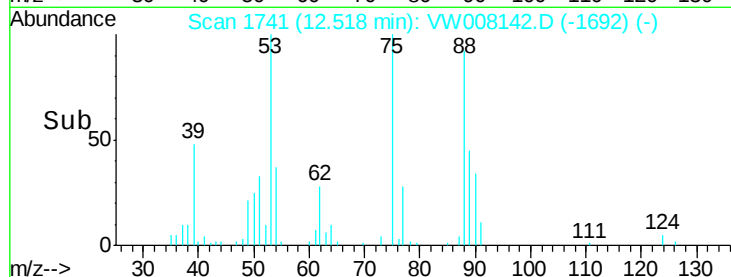
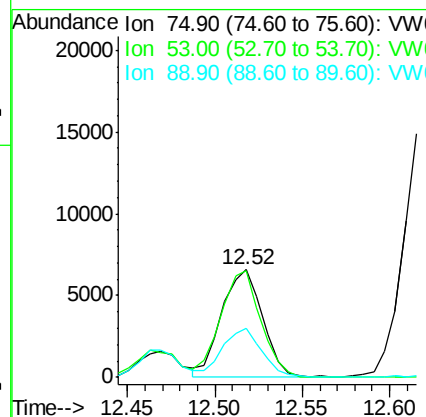
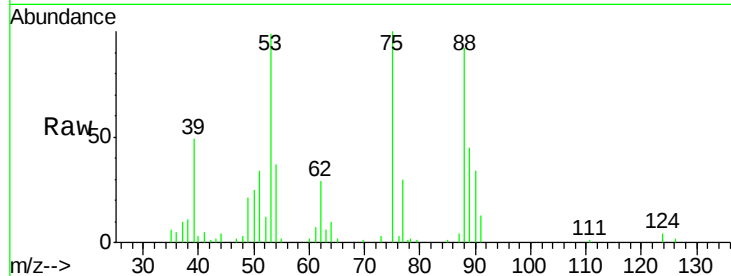
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	10705
Ion	Ratio	Lower	Upper
75	100		
53	97.3	78.8	118.2
89	42.5	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.473 ug/l

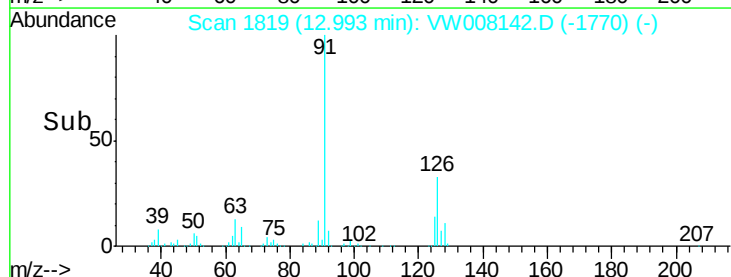
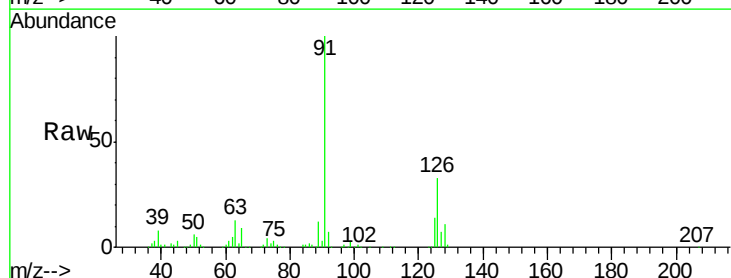
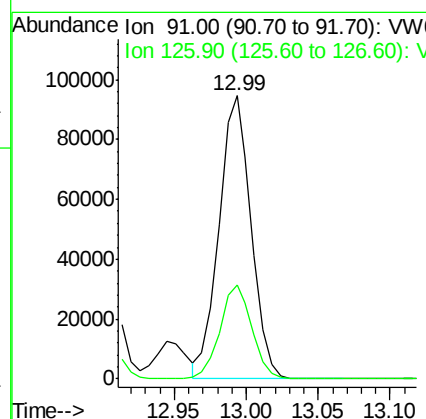
RT: 12.99 min Scan# 1819

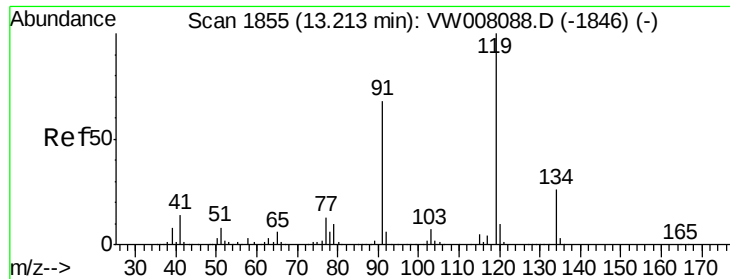
Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion:	91	Resp:	147388
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





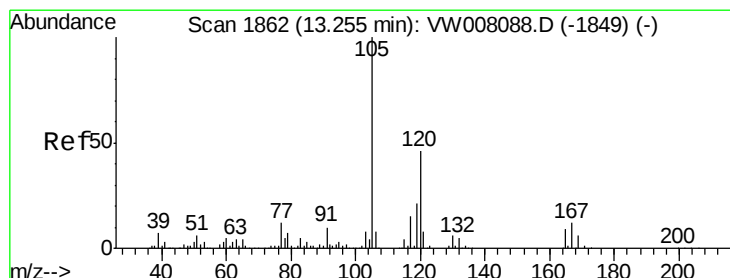
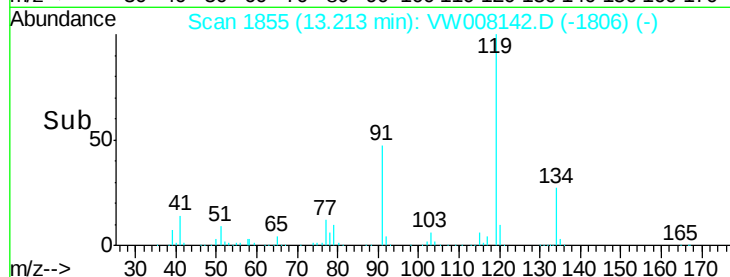
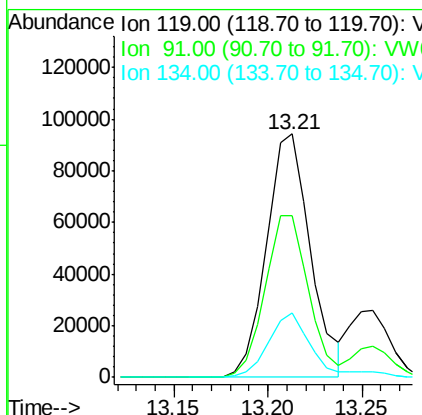
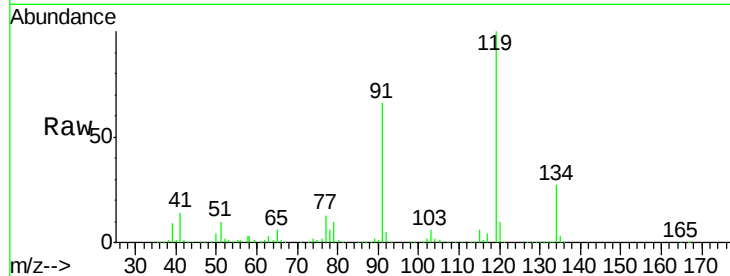
#83
tert-Butylbenzene
Concen: 50.760 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	33.9	101.6
134	26.7	13.6	40.8

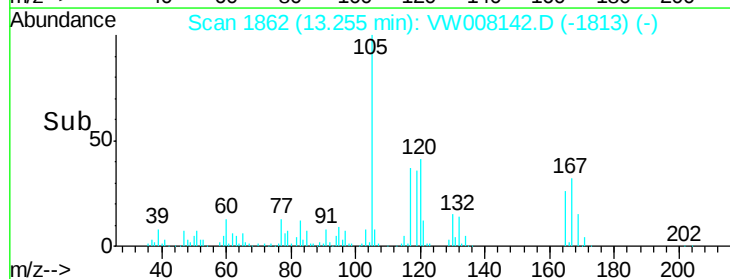
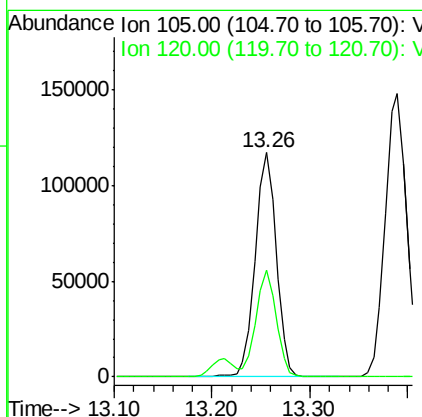
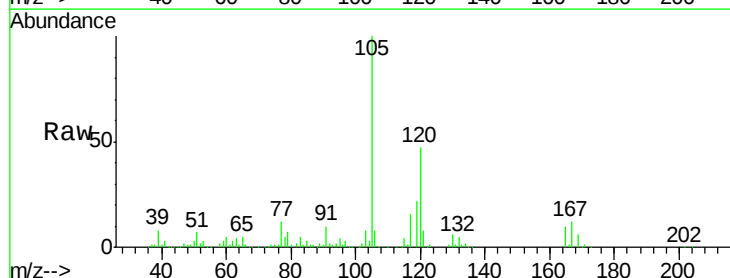
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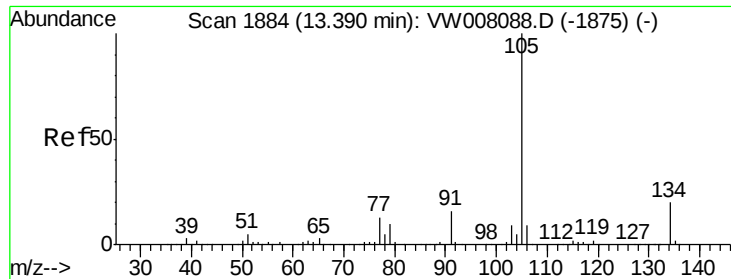
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#84
1,2,4-Trimethylbenzene
Concen: 50.484 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.7	68.1





#85

sec-Butylbenzene

Concen: 51.216 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 225690

Ion Ratio Lower Upper

105 100

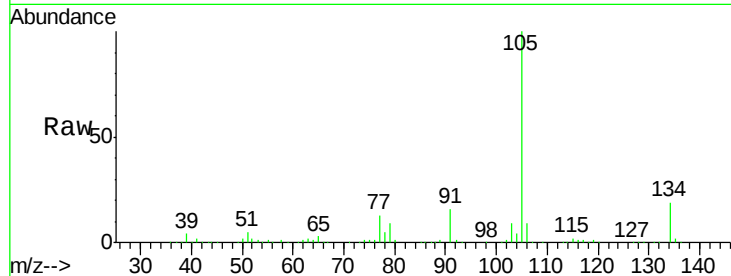
134 19.6 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

100000

50000

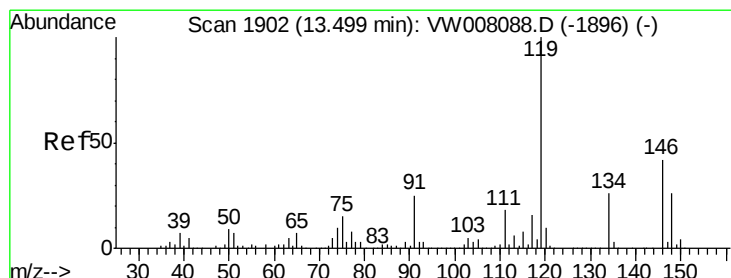
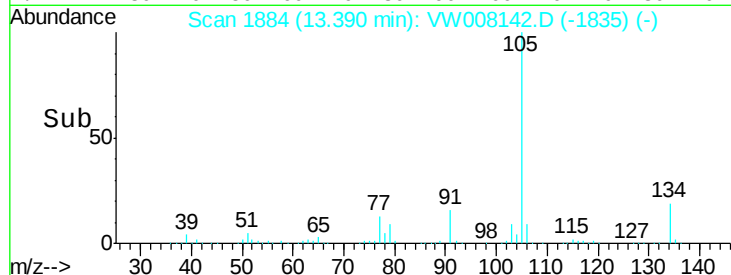
0

13.39

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 51.416 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

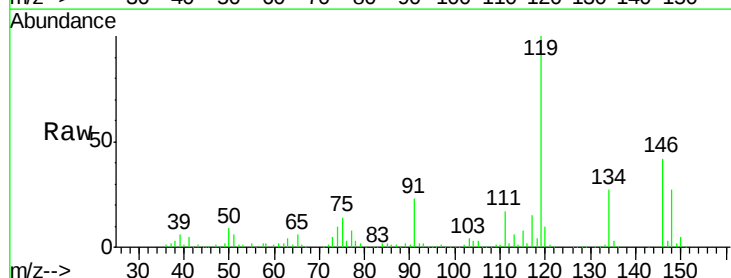
Tgt Ion:119 Resp: 195655

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.8 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

100000

50000

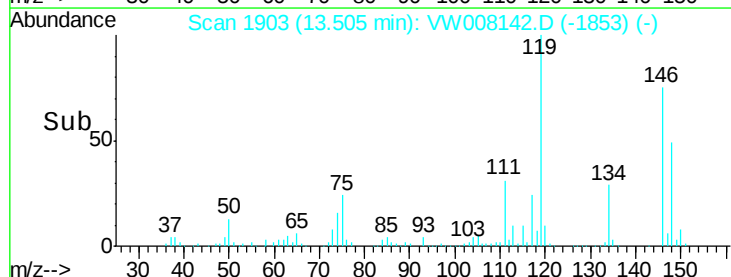
0

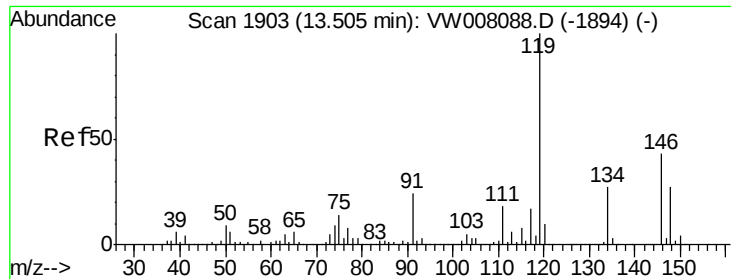
13.51

13.40

13.50

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.619 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

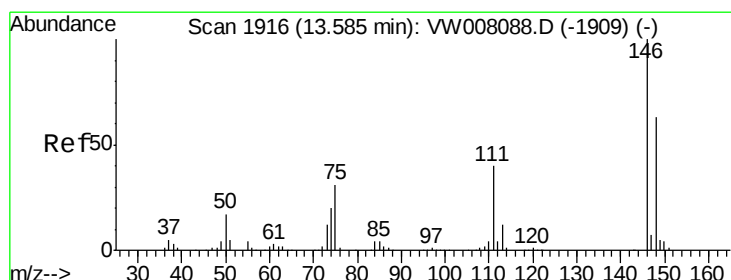
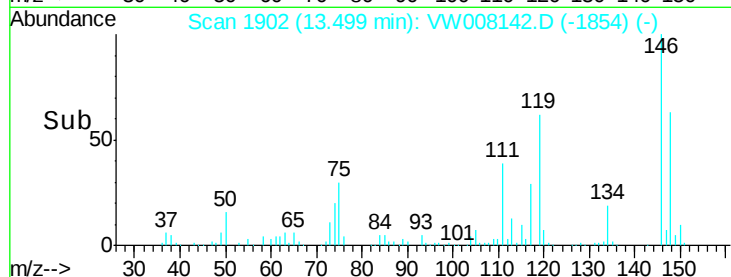
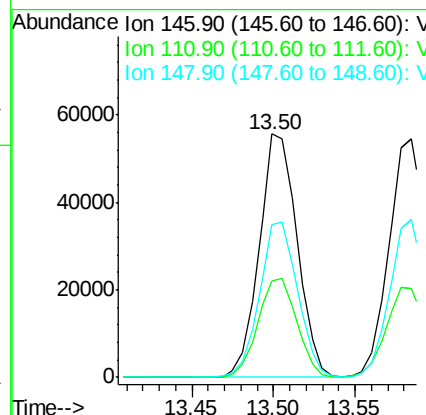
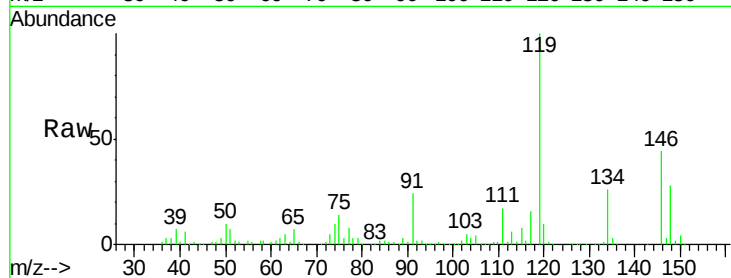
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	64.2	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 49.859 ug/l

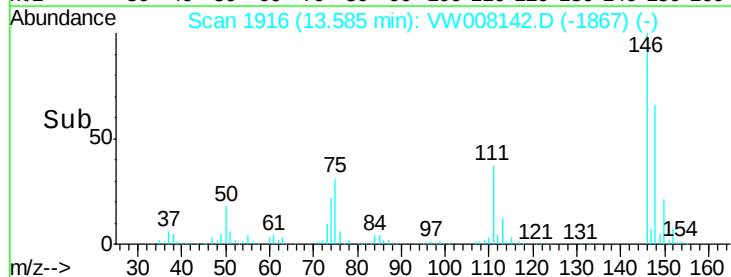
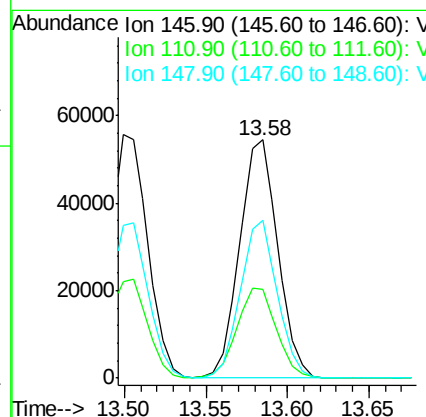
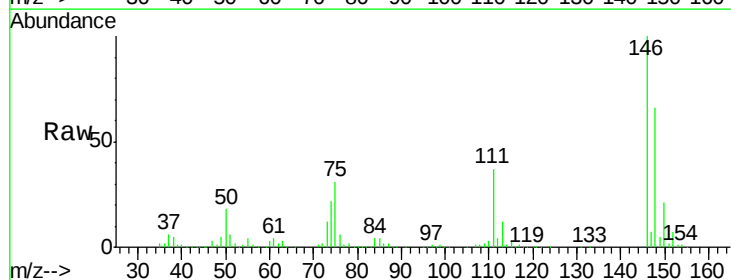
RT: 13.58 min Scan# 1916

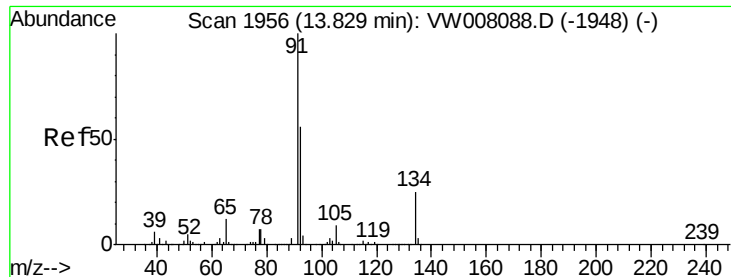
Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.5	61.5
148	64.2	31.6	94.8





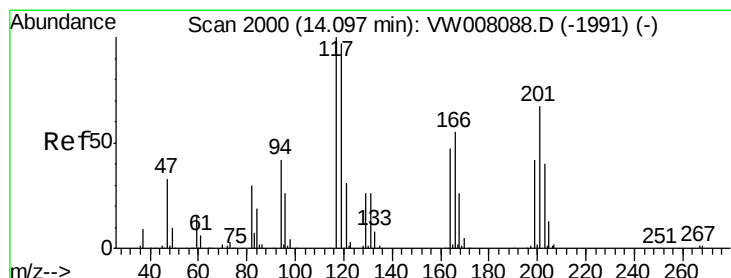
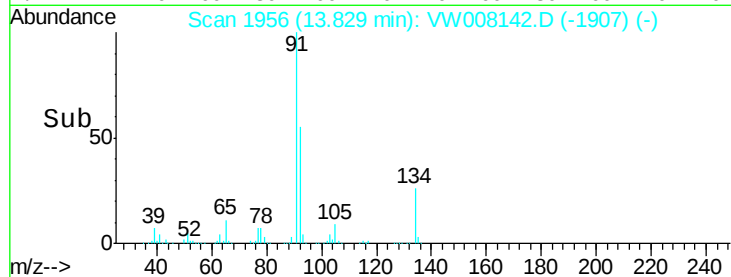
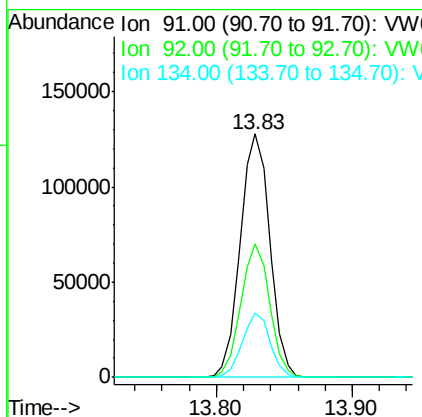
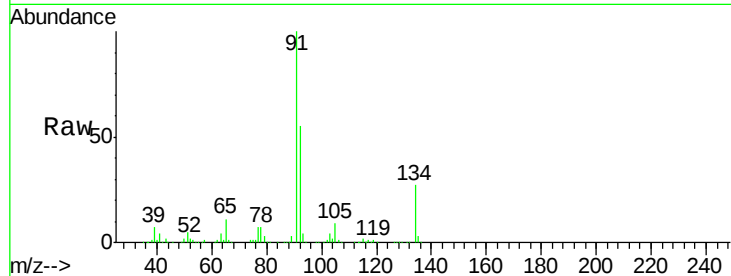
#89
n-Butylbenzene
Concen: 52.073 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.4	82.2
134	25.2	12.6	37.8

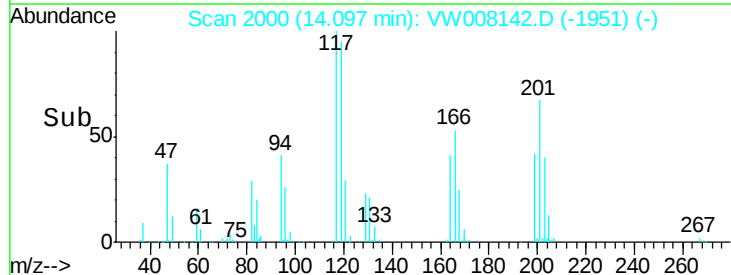
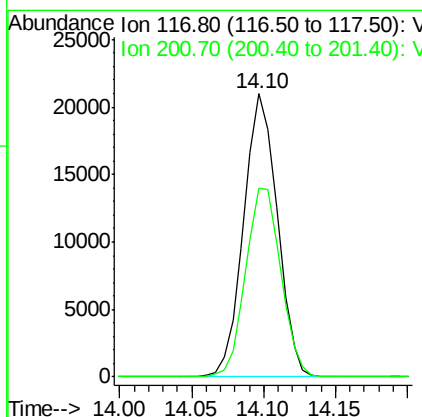
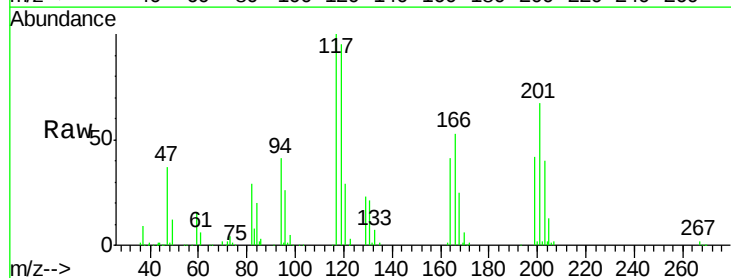
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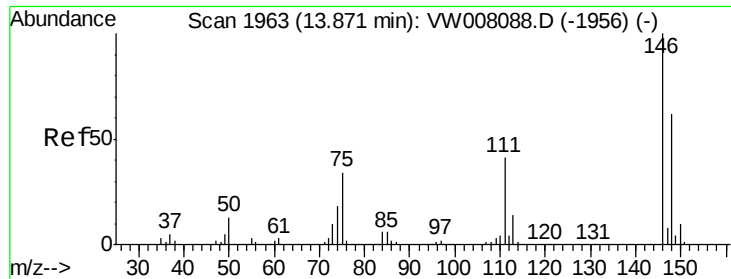
MMDadoda
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#90
Hexachloroethane
Concen: 52.887 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008142.D
Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	33.0	98.9





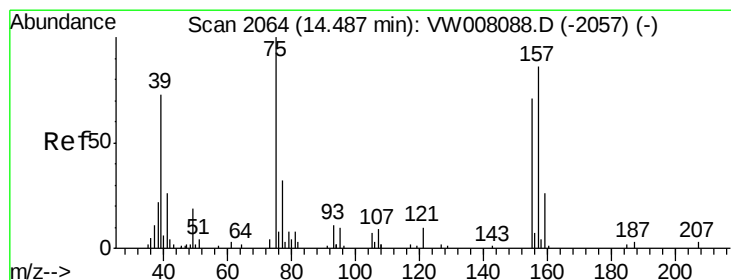
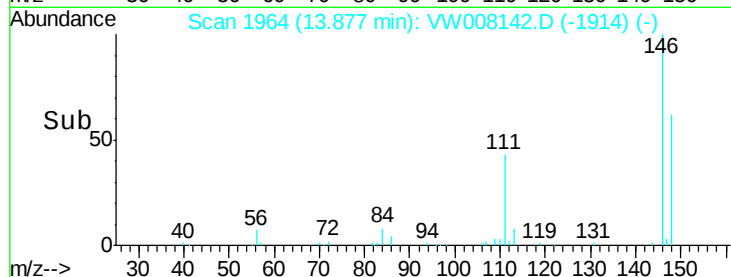
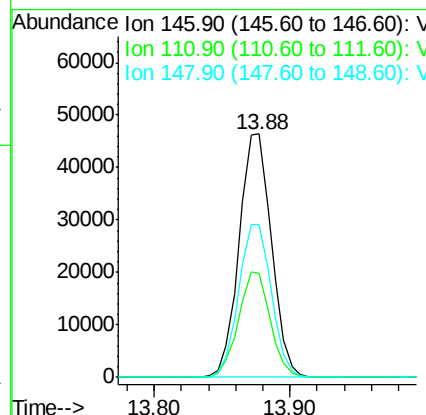
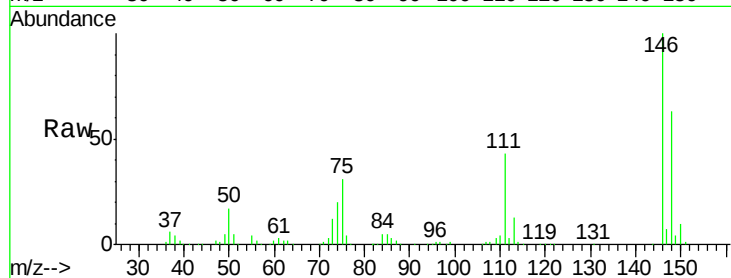
#91
 1,2-Dichlorobenzene
 Concen: 49.394 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.7
148	63.7	31.5	94.5

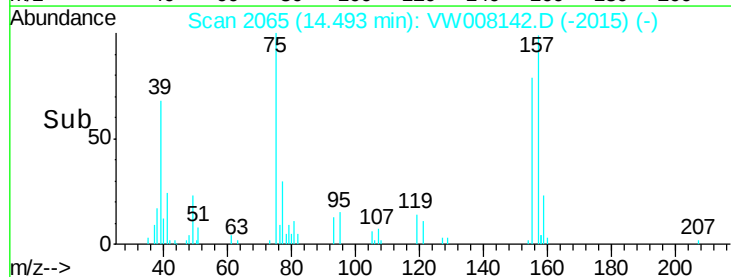
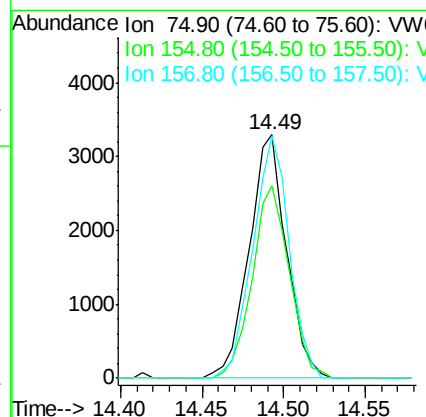
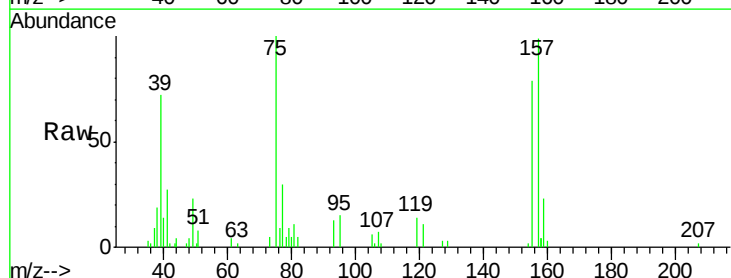
Manual Integrations
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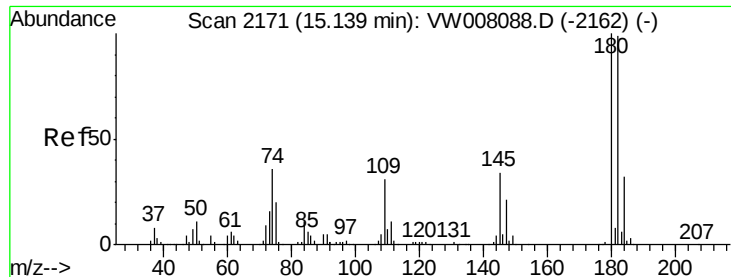
MMDadoda
 1/11/2019 2:27:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.507 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	38.6	115.7
157	96.6	47.5	142.6





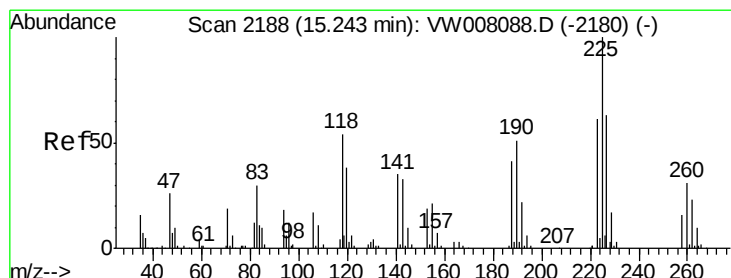
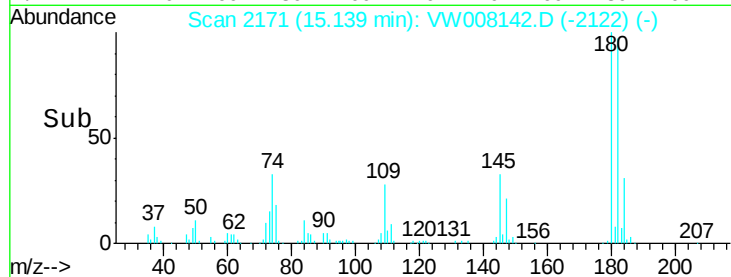
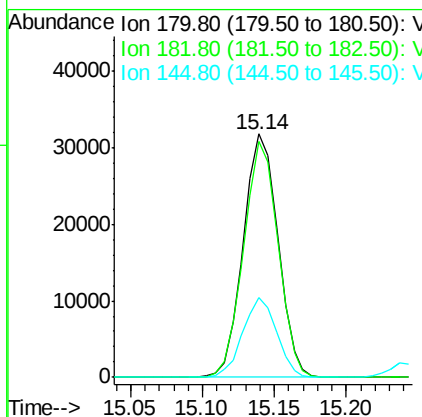
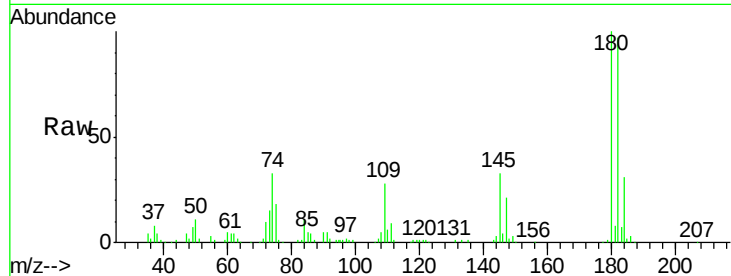
#93
 1,2,4-Trichlorobenzene
 Concen: 51.317 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.6	145.9
145	31.9	16.6	49.7

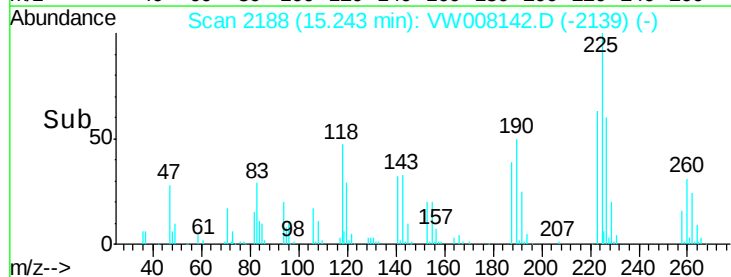
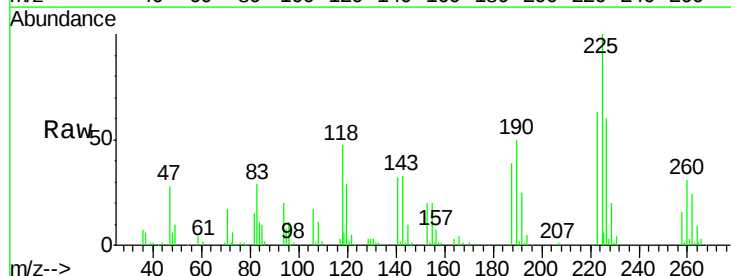
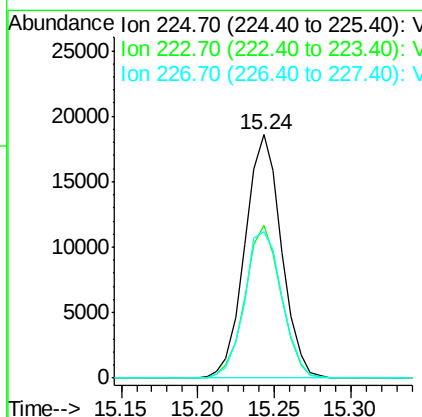
Manual Integrations
 APPROVED

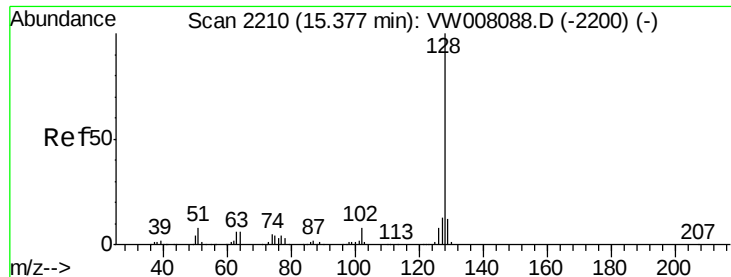
MMDadoda
 1/11/2019 2:27:31 PM



#94
 Hexachlorobutadiene
 Concen: 55.539 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008142.D
 Acq: 10 Jan 2019 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.4	94.3
227	62.1	32.0	96.2





#95

Naphthalene

Concen: 50.150 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Instrument :

MSVOA_W

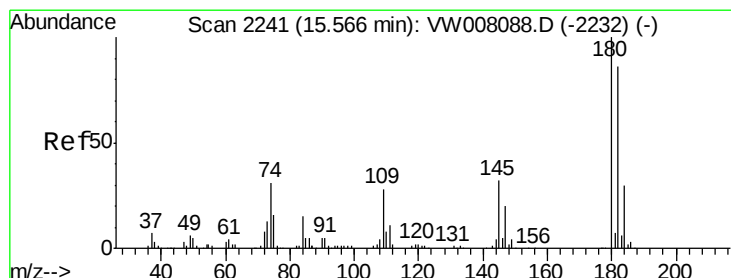
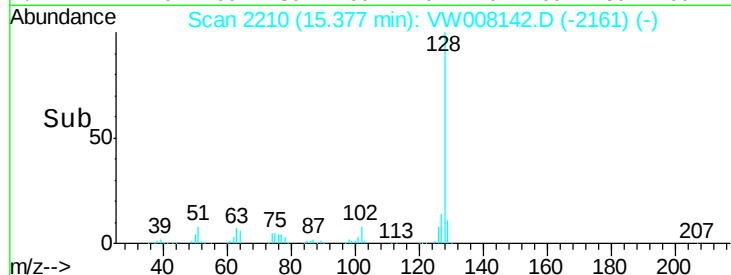
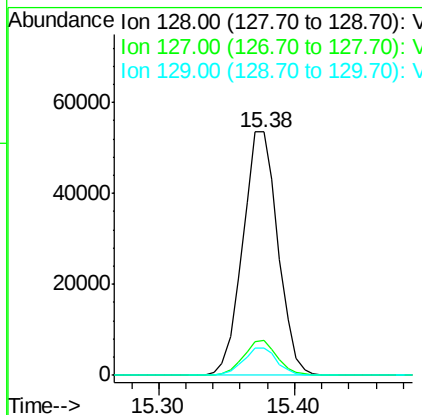
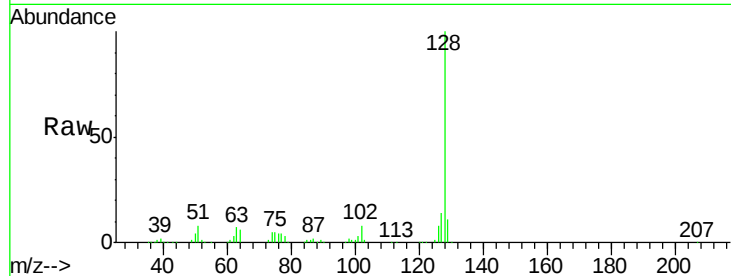
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	96906
Ion Ratio	Lower	Upper	
128	100		
127	13.7	11.0	16.4
129	11.0	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/11/2019 2:27:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.062 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008142.D

Acq: 10 Jan 2019 11:40

Tgt Ion:	180	Resp:	45047
Ion Ratio	Lower	Upper	
180	100		
182	94.9	46.5	139.3
145	33.2	17.4	52.2

