

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009605.D
 Acq On : 31 Mar 2019 11:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 5:30:15 PM

Quant Time: Apr 01 05:00:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	323413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	434762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	239613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	176983	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	7.88	113	152807	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
50) Toluene-d8	10.32	98	594314	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.62	95	221601	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	92902	46.481	ug/l	97
3) Chloromethane	2.21	50	123297	45.255	ug/l	97
4) Vinyl Chloride	2.37	62	177841	48.875	ug/l	95
5) Bromomethane	2.78	94	121128	43.148	ug/l	97
6) Chloroethane	2.92	64	123501	45.830	ug/l	96
7) Trichlorofluoromethane	3.25	101	107255	43.141	ug/l	99
8) Diethyl Ether	3.67	74	72990	43.723	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	163754	49.091	ug/l	95
10) Methyl Iodide	4.26	142	210753	46.304	ug/l	96
11) Tert butyl alcohol	5.17	59	45623	212.763	ug/l	99
12) 1,1-Dichloroethene	4.03	96	151400	48.500	ug/l	95
13) Acrolein	3.89	56	38141	242.510	ug/l	99
14) Allyl chloride	4.65	41	226295	45.323	ug/l	98
15) Acrylonitrile	5.36	53	160535	210.382	ug/l	99
16) Acetone	4.12	43	200590	241.234	ug/l	94
17) Carbon Disulfide	4.37	76	406829	45.802	ug/l	98
18) Methyl Acetate	4.67	43	89718	44.636	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	189190	43.576	ug/l	99
20) Methylene Chloride	4.91	84	154493	47.137	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	160982	48.571	ug/l	95
22) Diisopropyl ether	6.31	45	516888	47.936	ug/l	97
23) Vinyl Acetate	6.25	43	1591004	236.519	ug/l	99
24) 1,1-Dichloroethane	6.21	63	312067	48.084	ug/l	99
25) 2-Butanone	7.17	43	263545	229.357	ug/l	95
26) 2,2-Dichloropropane	7.16	77	178410	48.082	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	174146	48.112	ug/l	96
28) Bromochloromethane	7.51	49	207646	73.836	ug/l #	96
29) Tetrahydrofuran	7.52	42	156338	219.116	ug/l	99
30) Chloroform	7.67	83	323374	48.109	ug/l	100
31) Cyclohexane	7.95	56	272530	44.791	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	256095	47.062	ug/l	97
36) 1,1-Dichloropropene	8.07	75	256941	52.454	ug/l	100
37) Ethyl Acetate	7.25	43	108286	46.531	ug/l	100
38) Carbon Tetrachloride	8.06	117	261111	52.022	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	291971	52.181	ug/l	98
40) Benzene	8.32	78	684010	51.554	ug/l	100
41) Methacrylonitrile	7.48	41	69921	46.439	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	221705	49.013	ug/l	99
43) Isopropyl Acetate	8.42	43	212430	46.577	ug/l	99
44) Trichloroethene	9.09	130	176042	51.250	ug/l	90
45) 1,2-Dichloropropane	9.37	63	170227	50.124	ug/l	99
46) Dibromomethane	9.46	93	89168	48.468	ug/l	98
47) Bromodichloromethane	9.64	83	240689	51.288	ug/l	99
48) Methyl methacrylate	9.43	41	105367	49.284	ug/l	96
49) 1,4-Dioxane	9.45	88	27343	998.011	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	573720	235.111	ug/l	100
52) Toluene	10.38	92	433345	52.154	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	233927	50.908	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	266228	52.254	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	123011	49.466	ug/l	98
56) Ethyl methacrylate	10.65	69	151875	44.545	ug/l	97
57) 1,3-Dichloropropane	10.93	76	217768	49.403	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	368746	224.089	ug/l	98
59) 2-Hexanone	10.97	43	413452	244.820	ug/l	98
60) Dibromochloromethane	11.13	129	148582	49.483	ug/l	97
61) 1,2-Dibromoethane	11.23	107	116748	48.957	ug/l	100
64) Tetrachloroethene	10.86	164	149151	50.527	ug/l	98
65) Chlorobenzene	11.66	112	471004	51.438	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	171426	51.382	ug/l	100
67) Ethyl Benzene	11.73	91	874210	54.189	ug/l	98
68) m/p-Xylenes	11.84	106	664374	108.459	ug/l	98
69) o-Xylene	12.16	106	310221	54.382	ug/l	100
70) Styrene	12.18	104	518267	54.392	ug/l	100
71) Bromoform	12.35	173	88989	49.564	ug/l	99
73) Isopropylbenzene	12.46	105	896770	53.779	ug/l	100
74) N-amyl acetate	12.27	43	214414	48.775	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	148523	47.098	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	106447m	47.241	ug/l	
77) Bromobenzene	12.75	156	194574	50.669	ug/l	99
78) n-propylbenzene	12.80	91	1125952	54.758	ug/l	100
79) 2-Chlorotoluene	12.89	91	613164	52.472	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	763289	54.354	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	47901	49.435	ug/l	98
82) 4-Chlorotoluene	12.99	91	651969	53.014	ug/l	99
83) tert-Butylbenzene	13.21	119	662485	55.418	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	785394	54.403	ug/l	99
85) sec-Butylbenzene	13.38	105	993405	55.082	ug/l	99
86) p-Isopropyltoluene	13.50	119	871598	55.563	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	409063	51.592	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	404973	51.137	ug/l	100
89) n-Butylbenzene	13.83	91	857435	55.376	ug/l	99
90) Hexachloroethane	14.10	117	160939	53.577	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	364804	51.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27630	47.995	ug/l	95

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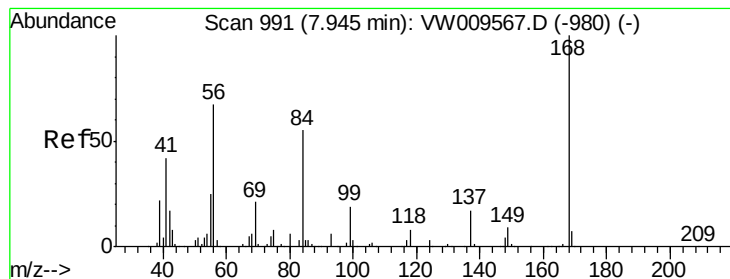
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	247788	54.268	ug/l	99
94) Hexachlorobutadiene	15.24	225	155785	53.127	ug/l	99
95) Naphthalene	15.37	128	429346	46.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	216803	53.145	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 323413

Ion Ratio Lower Upper

168 100

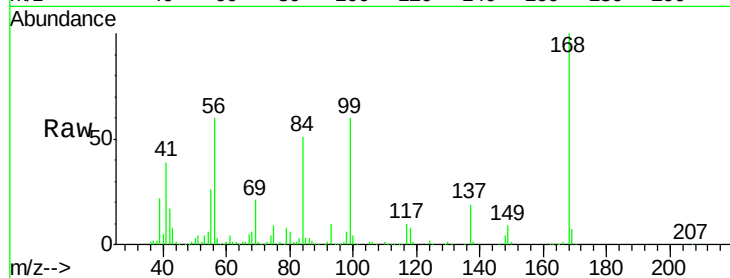
99 60.0 45.4 68.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

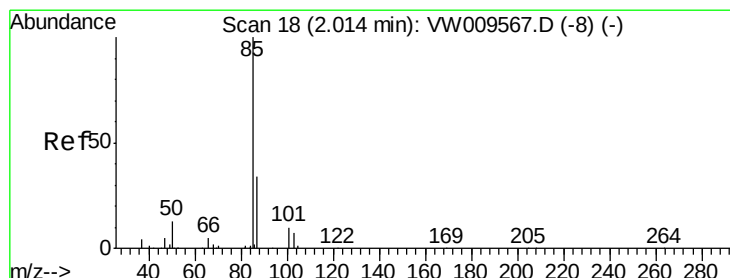
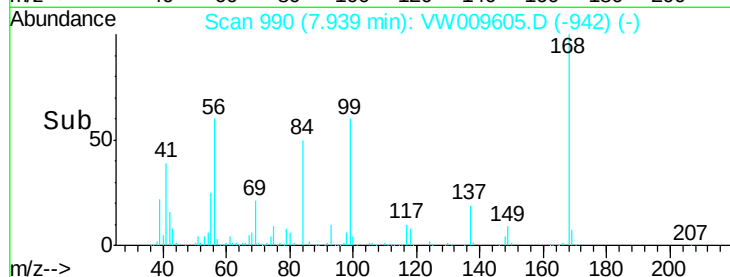
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 46.481 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009605.D

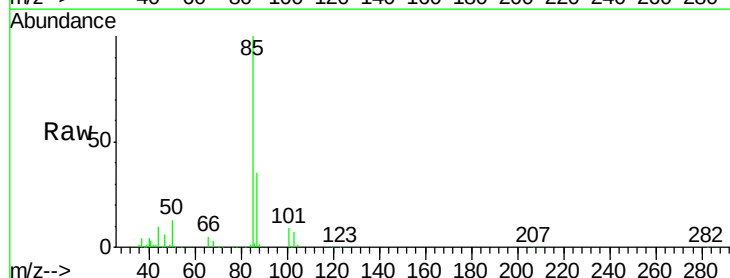
Acq: 31 Mar 2019 11:42

Tgt Ion: 85 Resp: 92902

Ion Ratio Lower Upper

85 100

87 34.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

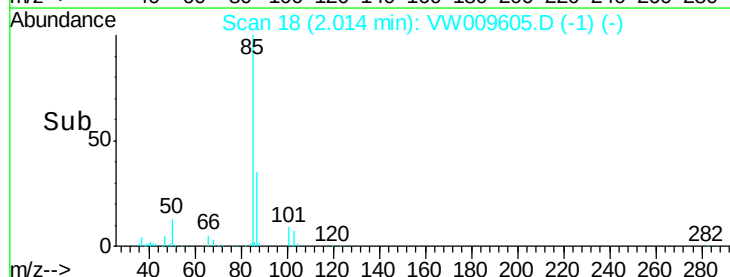
15000

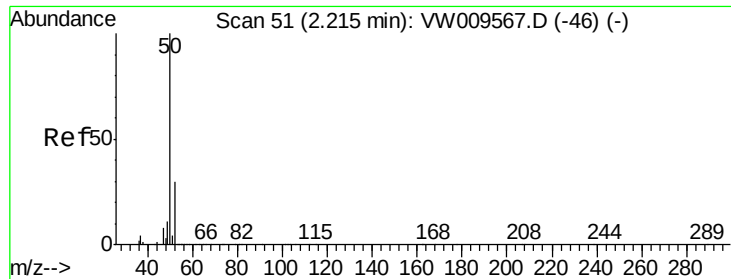
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 45.255 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 123297

Ion Ratio Lower Upper

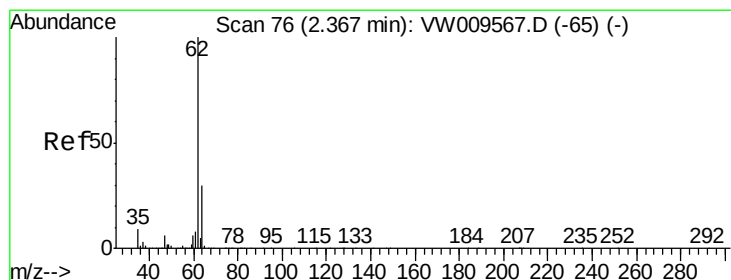
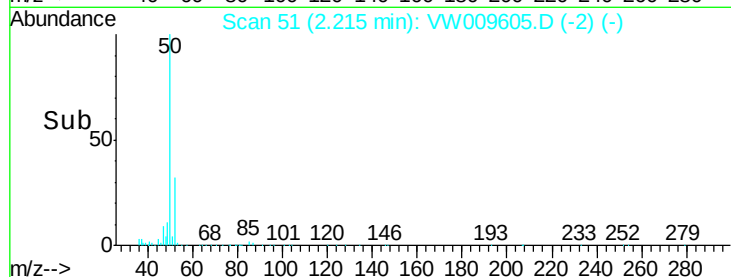
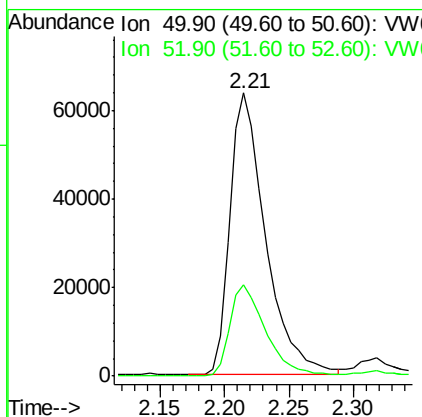
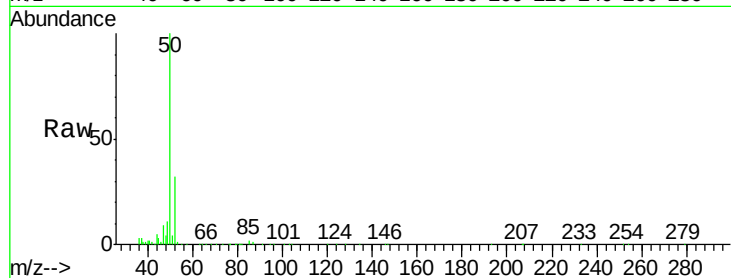
50 100

52 32.4 27.2 40.8

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#4

Vinyl Chloride

Concen: 48.875 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009605.D

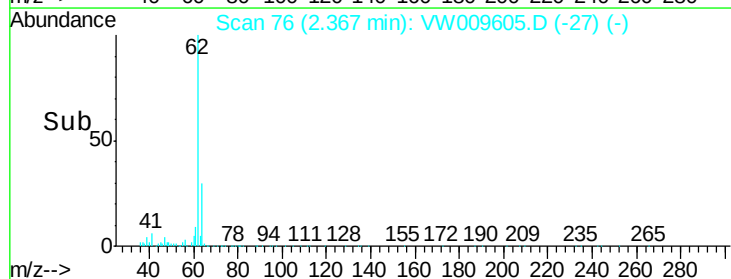
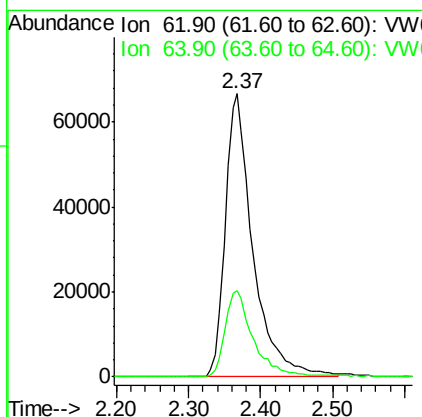
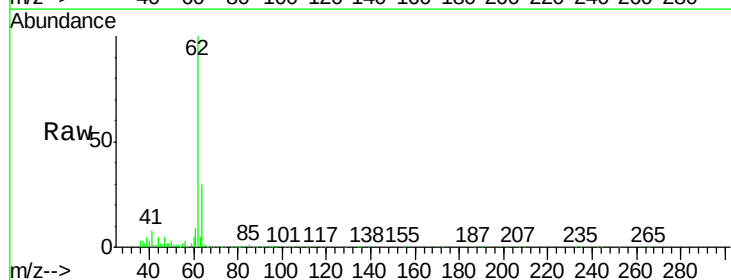
Acq: 31 Mar 2019 11:42

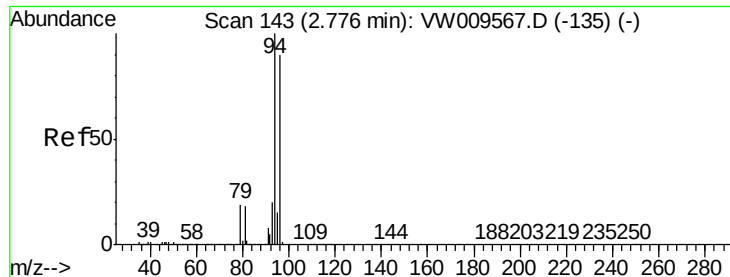
Tgt Ion: 62 Resp: 177841

Ion Ratio Lower Upper

62 100

64 30.2 26.2 39.2





#5

Bromomethane

Concen: 43.148 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 121128

Ion Ratio Lower Upper

94 100

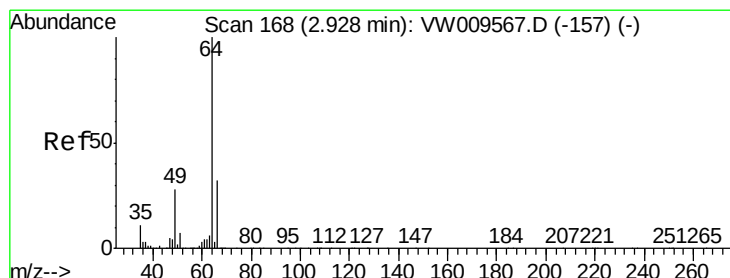
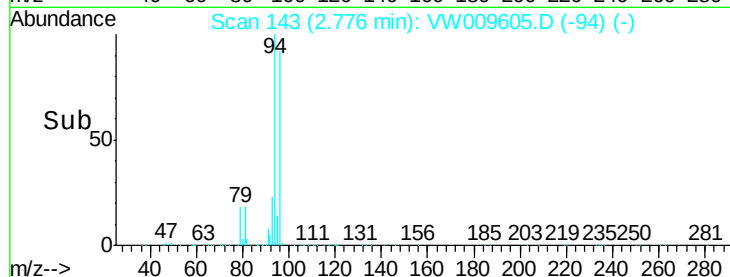
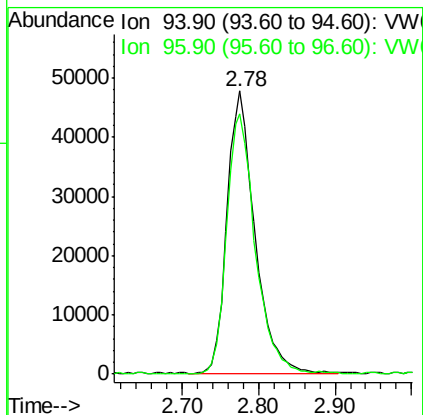
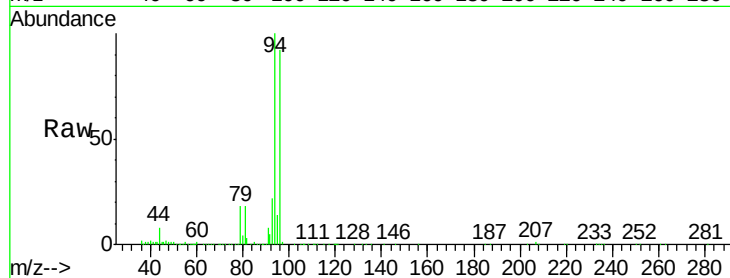
96 92.0 71.4 107.2

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#6

Chloroethane

Concen: 45.830 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009605.D

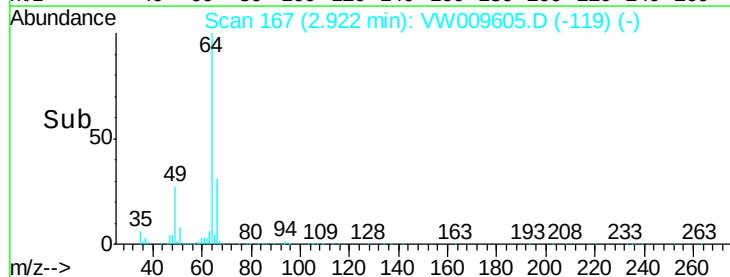
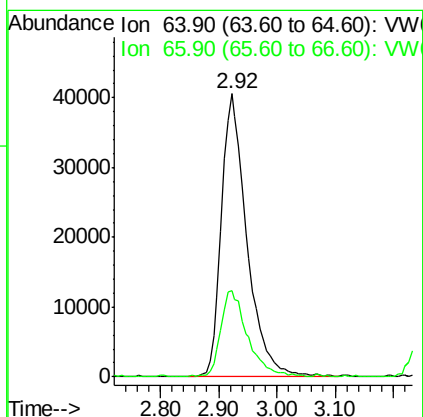
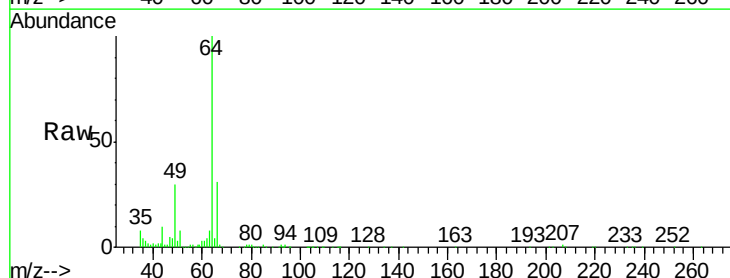
Acq: 31 Mar 2019 11:42

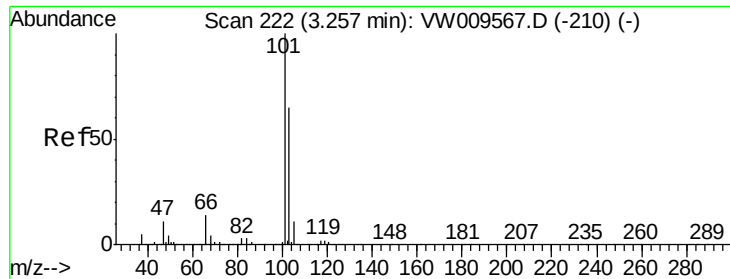
Tgt Ion: 64 Resp: 123501

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.2





#7

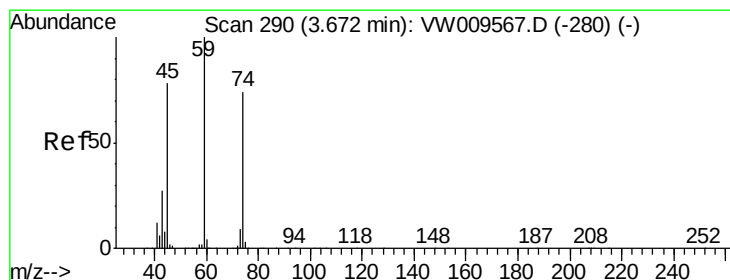
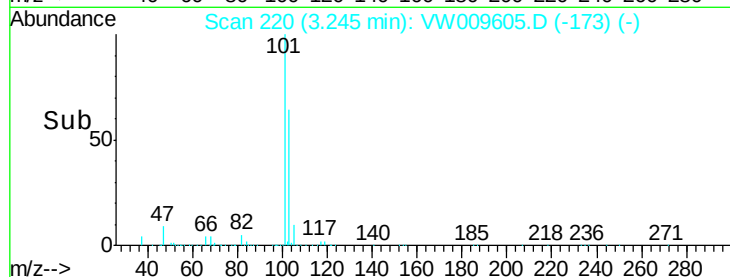
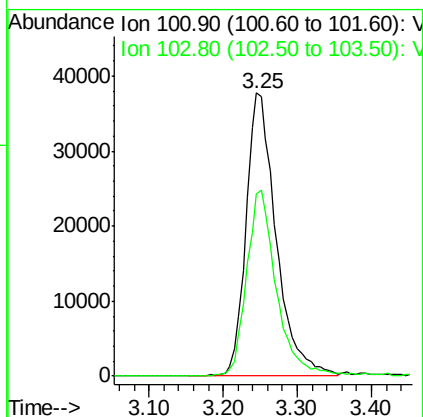
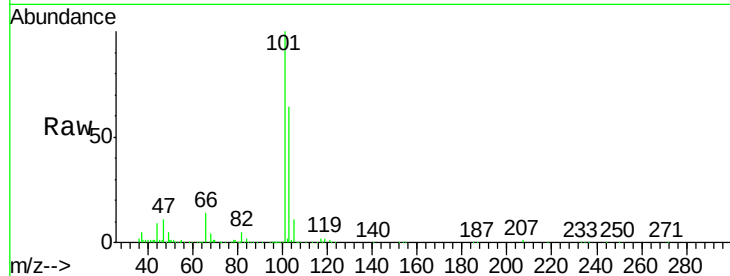
Trichlorofluoromethane
Concen: 43.141 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW009605.D
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.5	75.7

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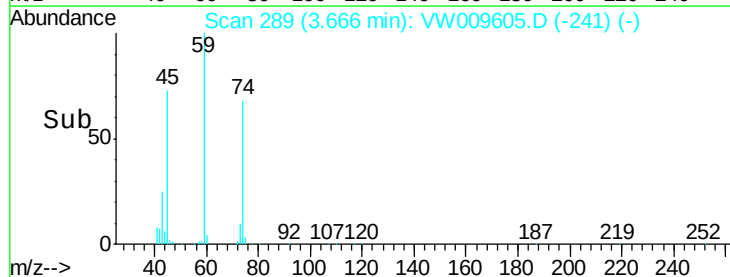
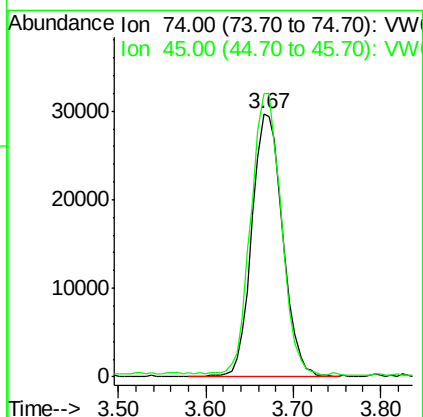
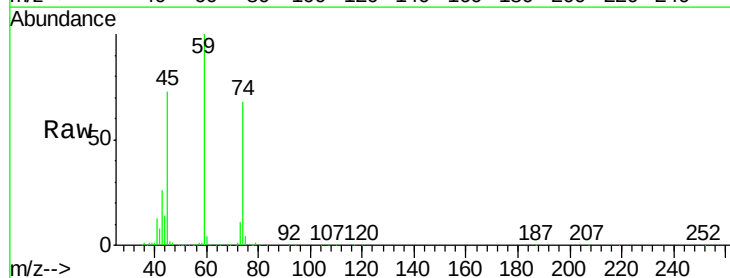
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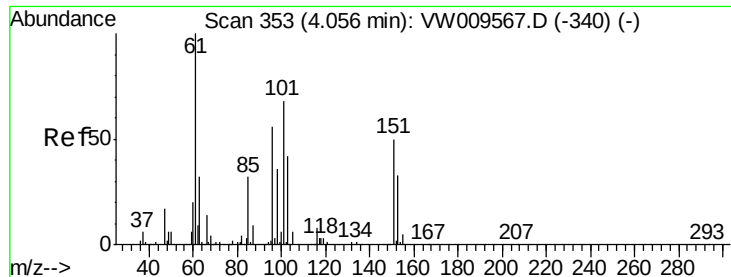


#8

Diethyl Ether
Concen: 43.723 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.091 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

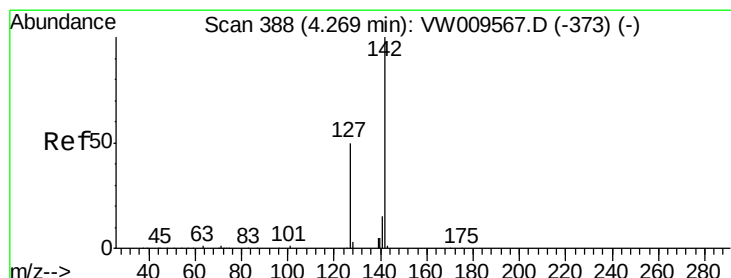
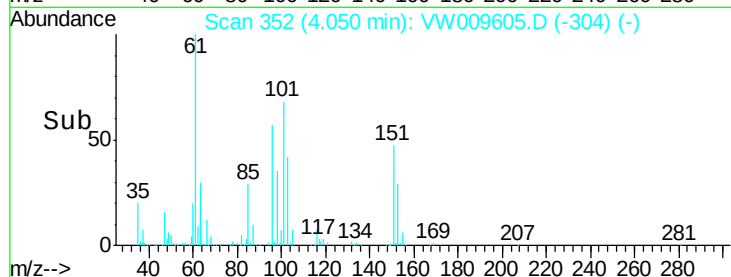
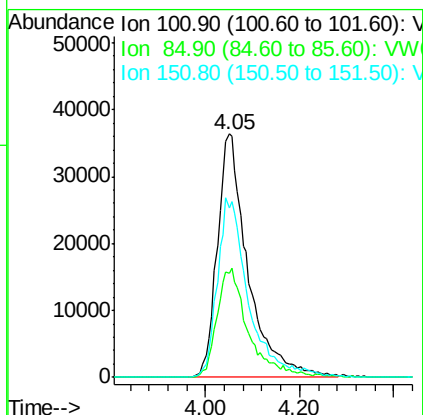
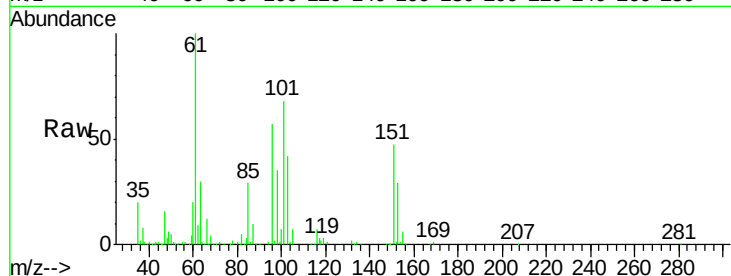
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	163754
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.1	52.7
151	73.2	62.9	94.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.304 ug/l

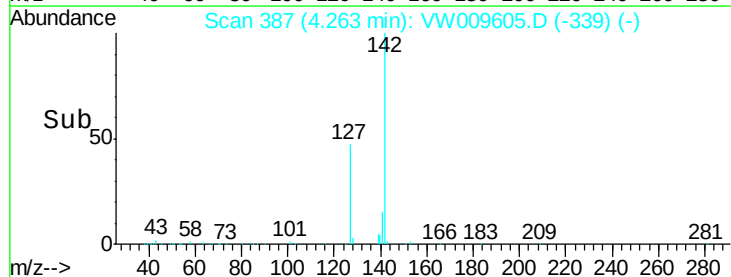
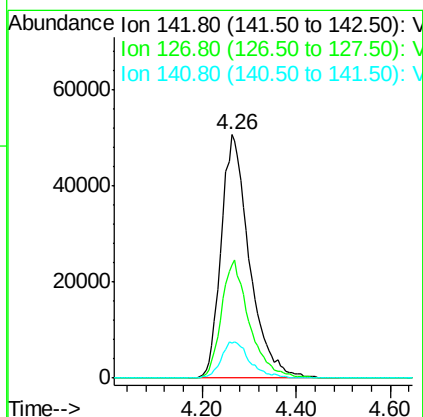
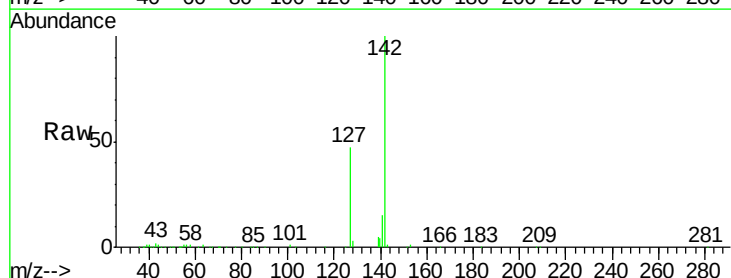
RT: 4.26 min Scan# 387

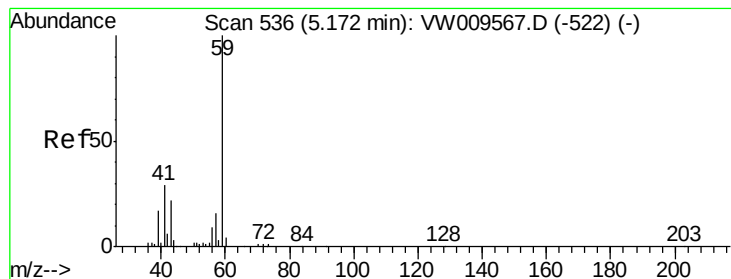
Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tgt Ion:	142	Resp:	210753
Ion Ratio	Lower	Upper	
142	100		
127	47.8	35.9	53.9
141	15.1	11.4	17.2





#11

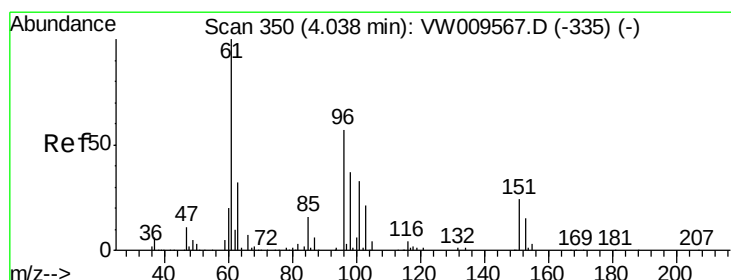
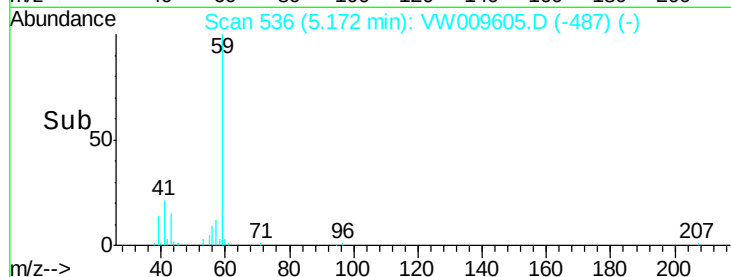
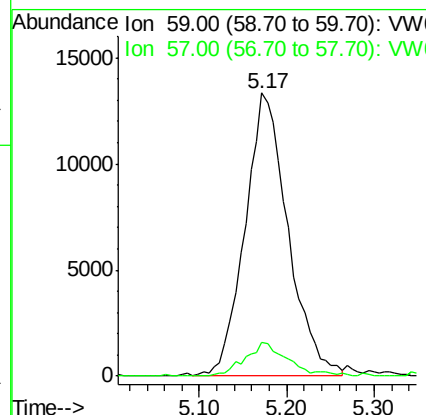
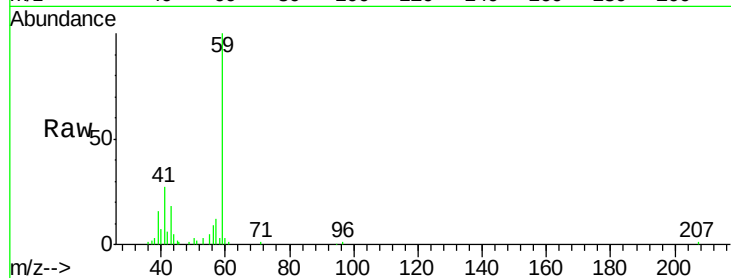
Tert butyl alcohol
Concen: 212.763 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	45623
Ion Ratio	100	Lower	Upper
57	11.3	9.4	14.0

Manual Integrations
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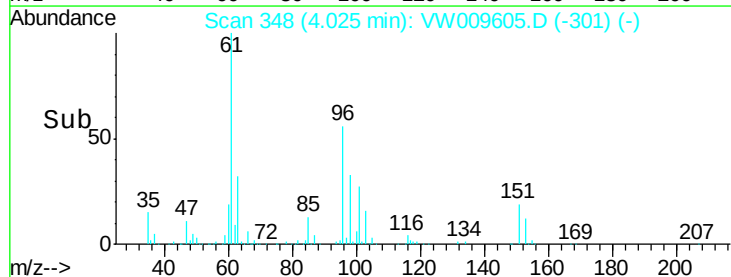
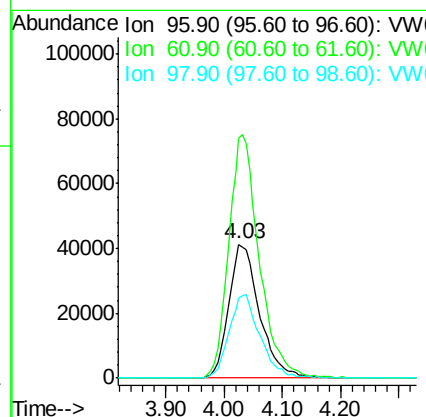
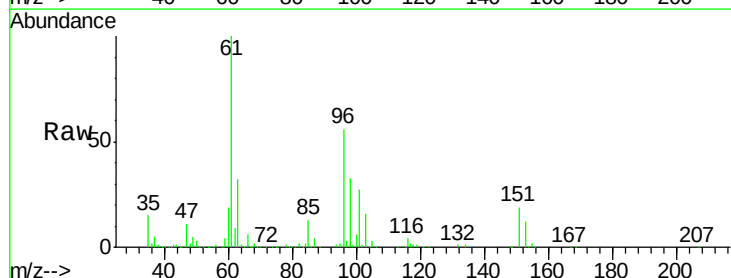
MMDadoda
4/1/2019 5:30:15 PM

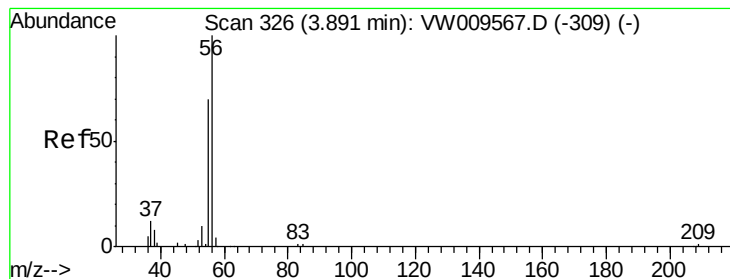


#12

1,1-Dichloroethene
Concen: 48.500 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	96	Resp	151400
Ion Ratio	100	Lower	Upper
61	179.7	138.0	207.0
98	59.2	49.8	74.8





#13

Acrolein

Concen: 242.510 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38141

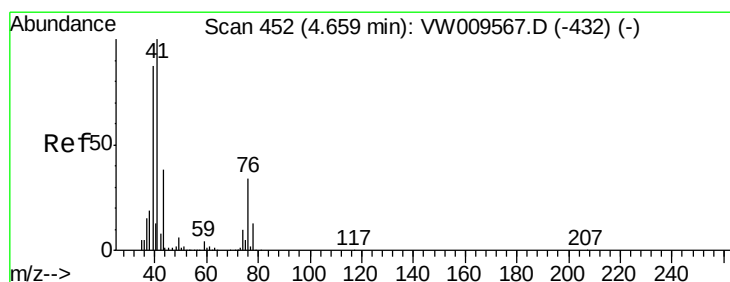
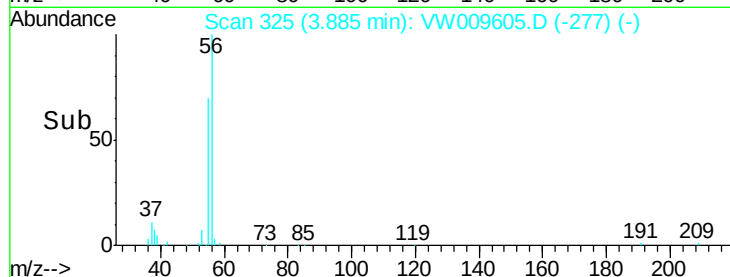
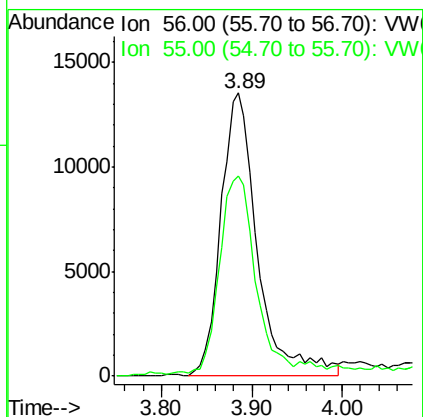
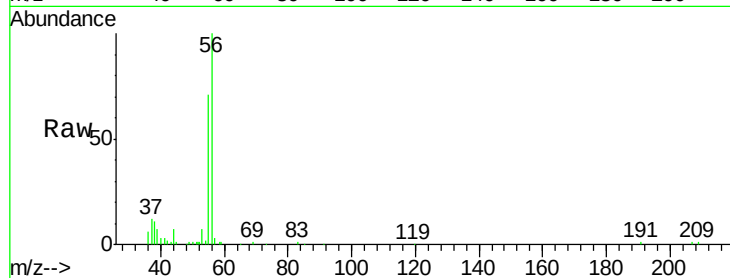
Ion Ratio Lower Upper

56 100

55 68.0 55.2 82.8

Manual Integrations
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#14

Allyl chloride

Concen: 45.323 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

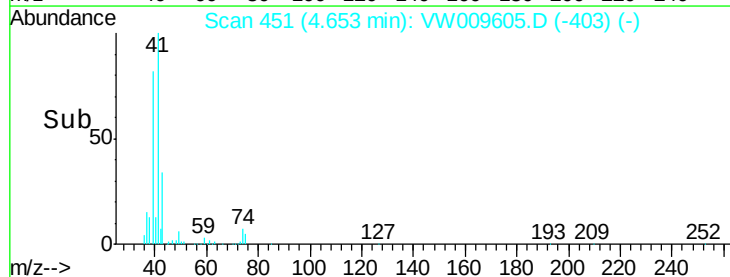
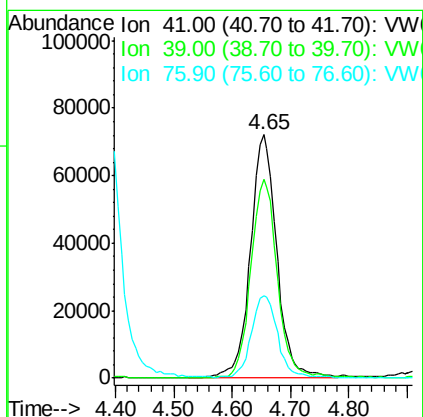
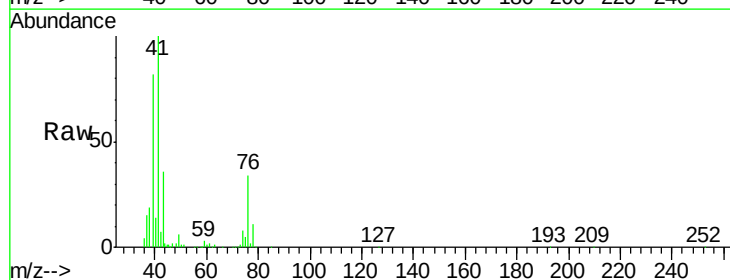
Tgt Ion: 41 Resp: 226295

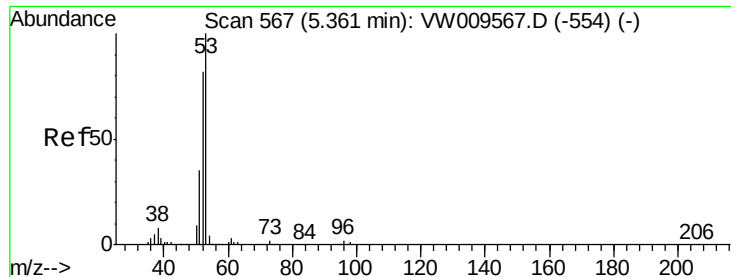
Ion Ratio Lower Upper

41 100

39 81.2 63.8 95.6

76 32.9 27.8 41.6





#15

Acrylonitrile

Concen: 210.382 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

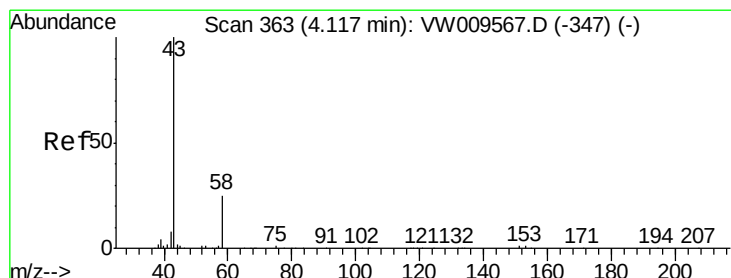
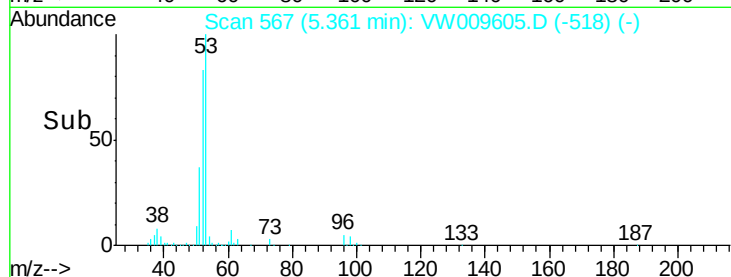
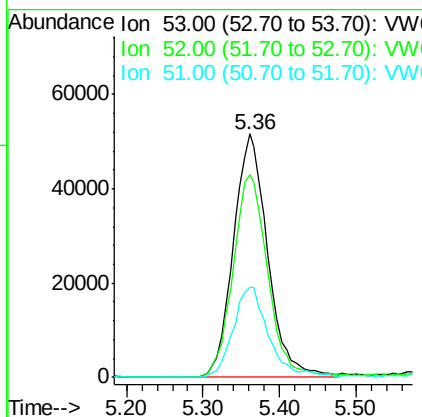
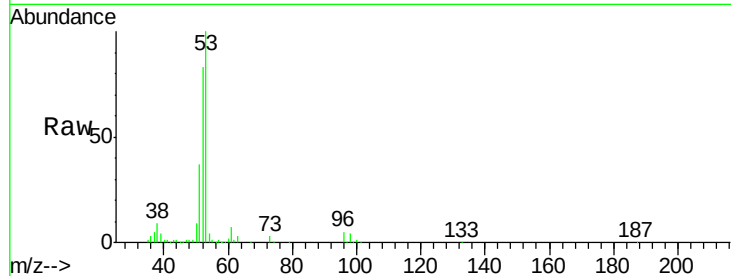
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	160535
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.6	101.4
51	37.0	30.6	45.8

Manual Integrations
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MMDadoda
4/1/2019 5:30:15 PM



#16

Acetone

Concen: 241.234 ug/l

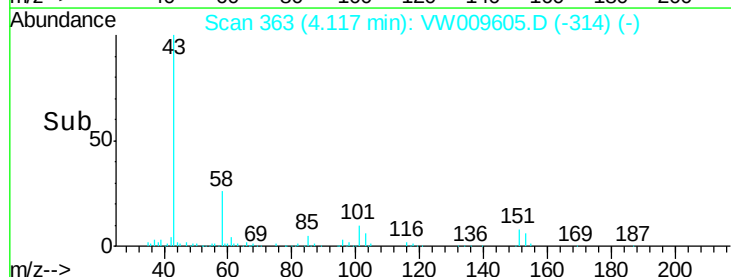
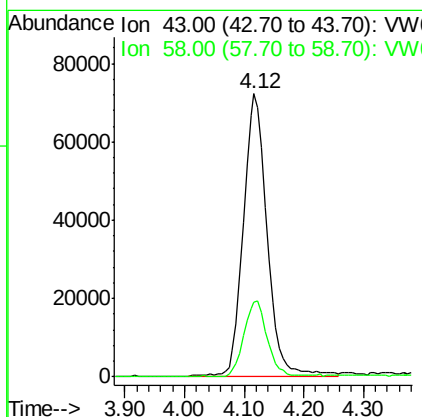
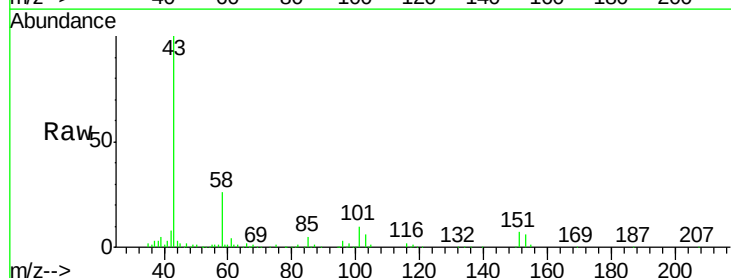
RT: 4.12 min Scan# 363

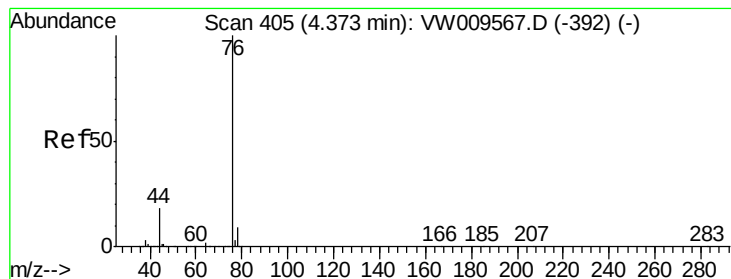
Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tgt Ion:	43	Resp:	200590
Ion	Ratio	Lower	Upper
43	100		
58	26.2	23.6	35.4





#17

Carbon Disulfide

Concen: 45.802 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 406829

Ion Ratio Lower Upper

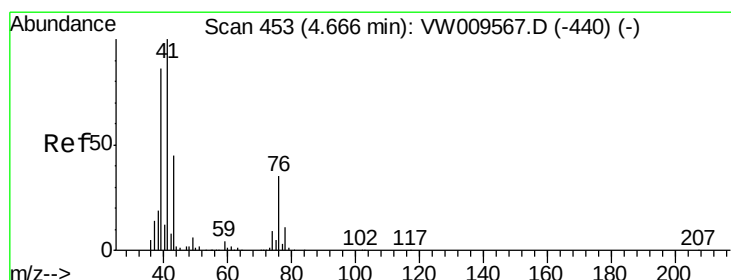
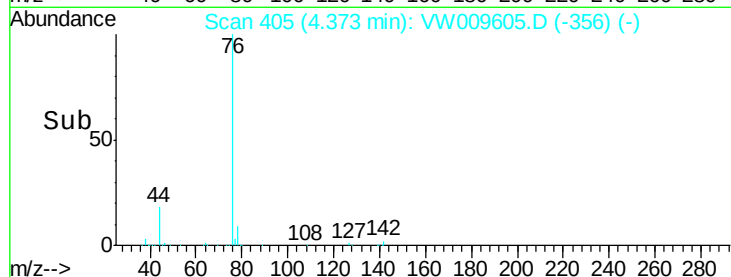
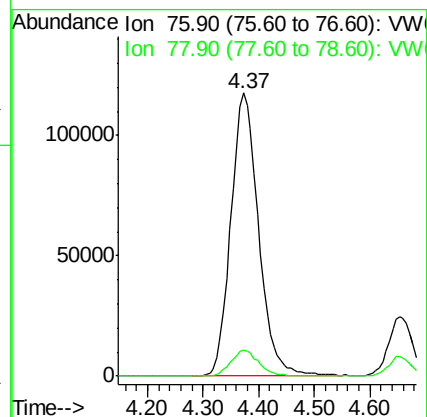
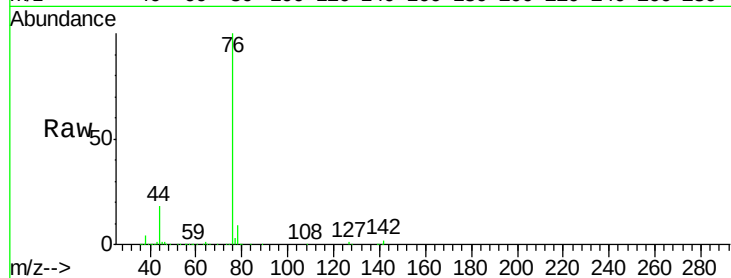
76 100

78 9.0 6.6 9.8

Manual Integrations
APPROVED

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#18

Methyl Acetate

Concen: 44.636 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009605.D

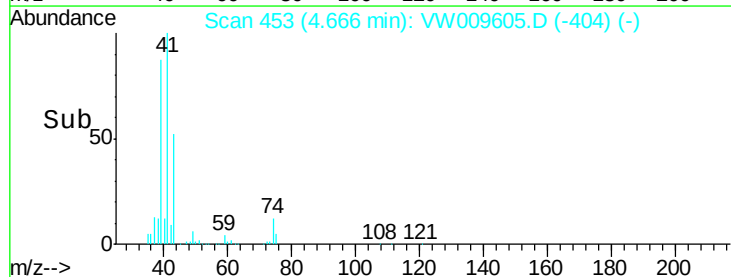
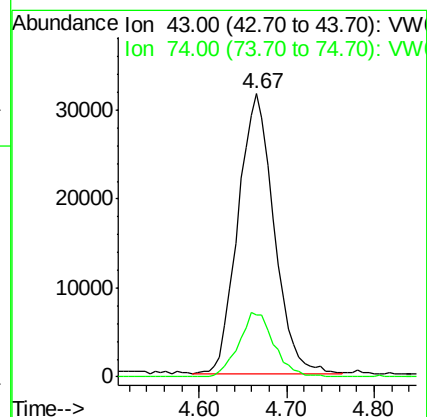
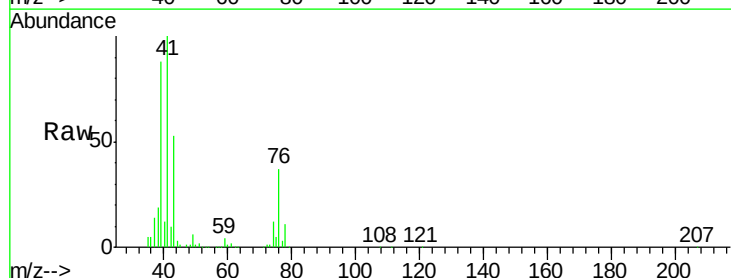
Acq: 31 Mar 2019 11:42

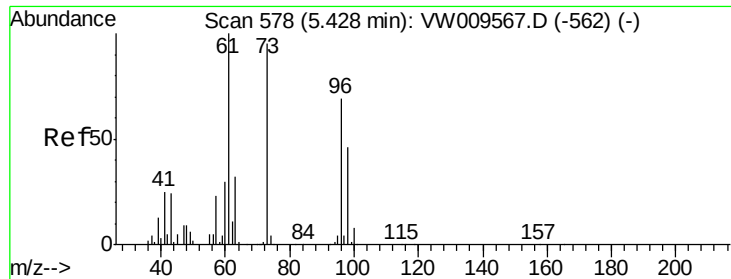
Tgt Ion: 43 Resp: 89718

Ion Ratio Lower Upper

43 100

74 22.7 17.7 26.5





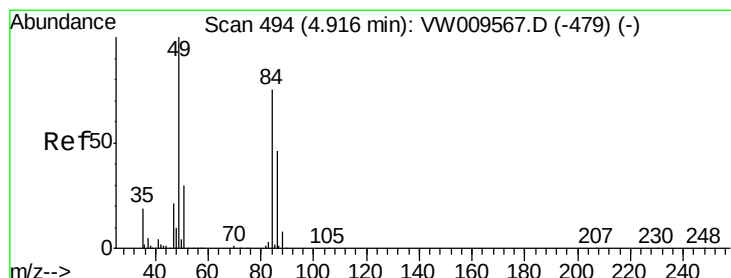
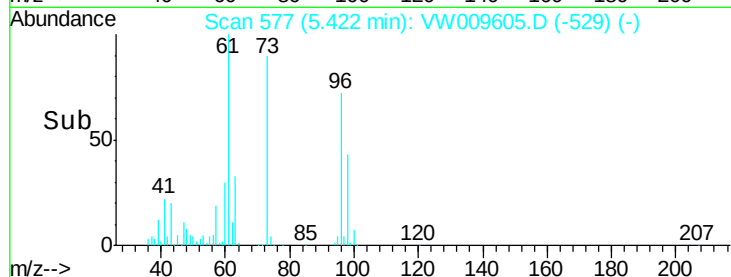
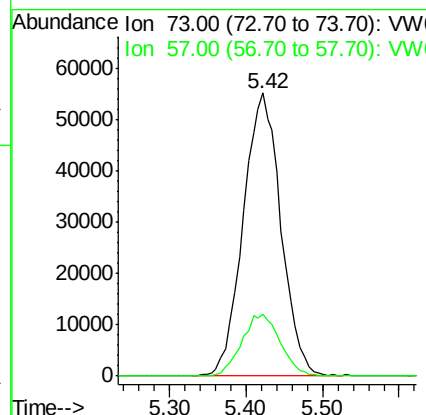
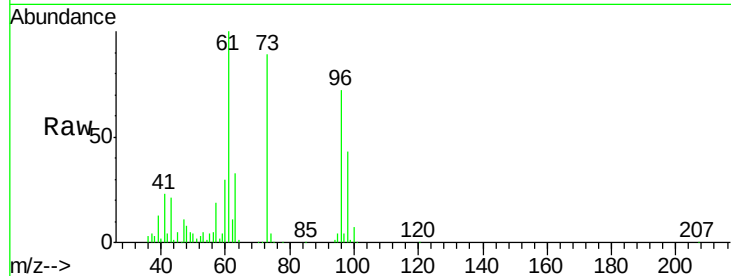
#19
Methyl tert-butyl Ether
Concen: 43.576 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.0	25.6

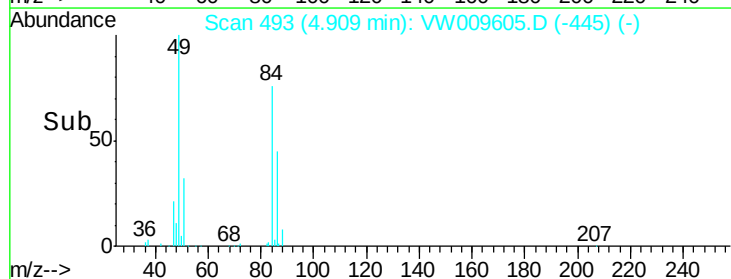
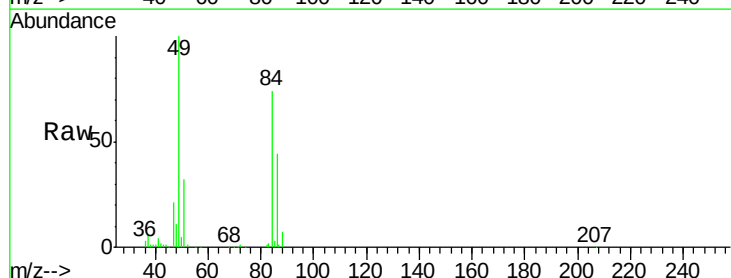
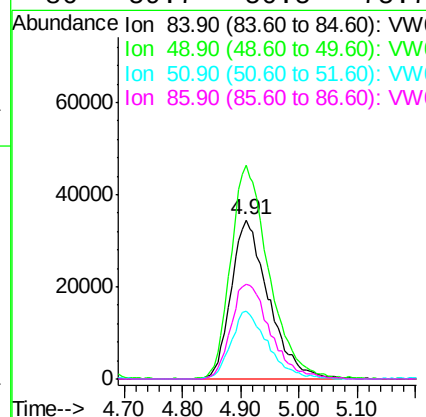
Manual Integrations
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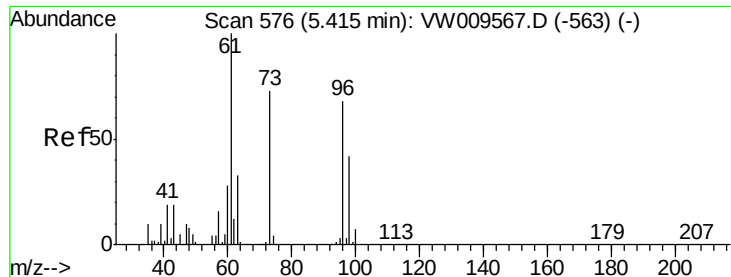
MMDadoda
4/1/2019 5:30:15 PM



#20
Methylene Chloride
Concen: 47.137 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.3	99.1	148.7
51	42.2	28.7	43.1
86	59.7	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 48.571 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

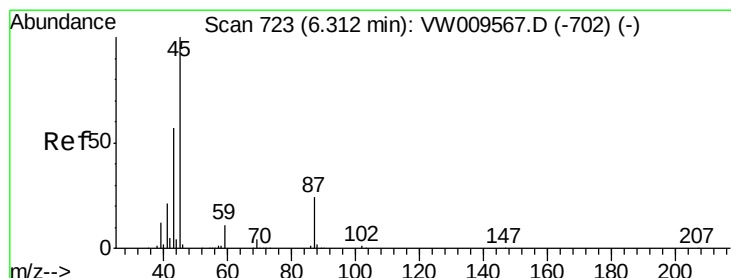
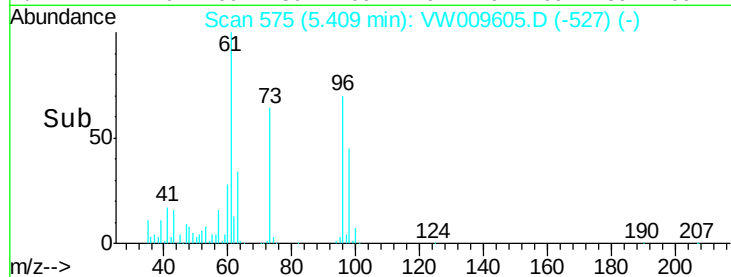
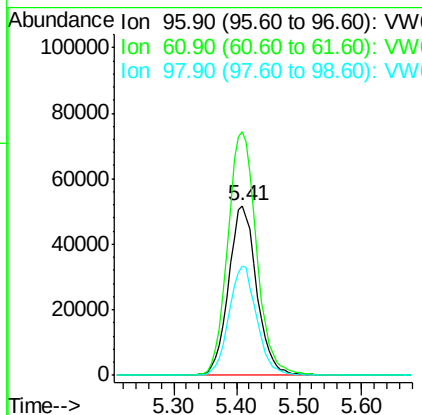
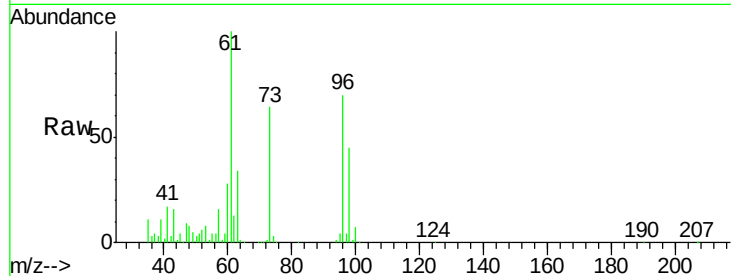
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	160982
Ion	Ratio	Lower	Upper
96	100		
61	143.6	108.2	162.4
98	64.3	50.9	76.3

Manual Integrations
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4/1/2019 5:30:15 PM



#22

Diisopropyl ether

Concen: 47.936 ug/l

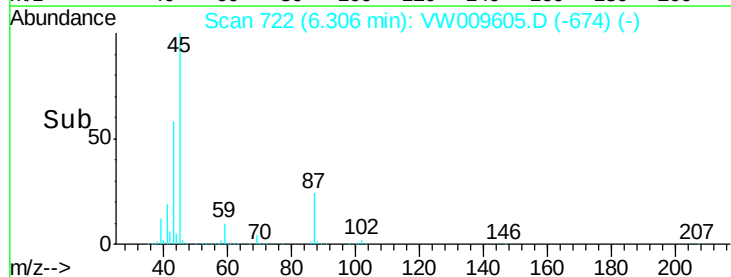
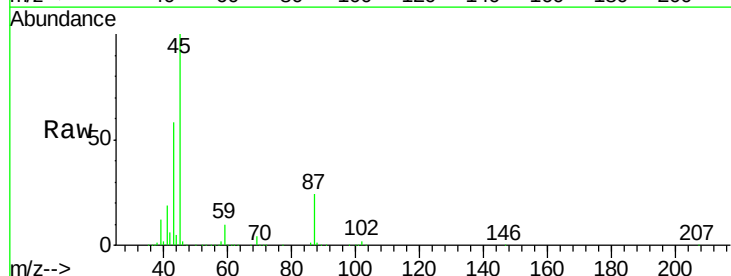
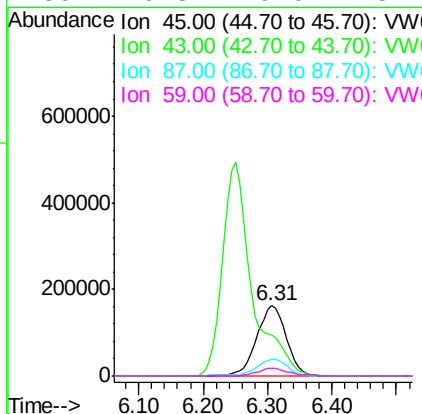
RT: 6.31 min Scan# 722

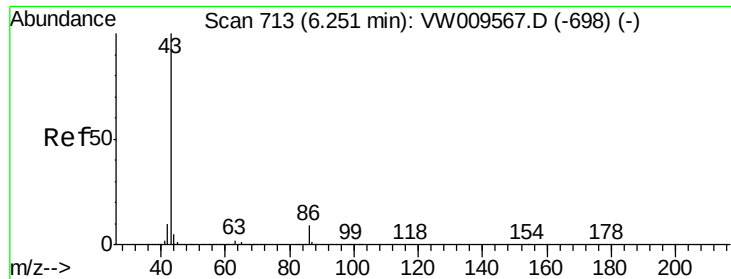
Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tgt Ion:	45	Resp:	516888
Ion	Ratio	Lower	Upper
45	100		
43	57.4	47.9	71.9
87	24.0	20.6	30.8
59	10.3	9.0	13.4





#23

Vinyl Acetate

Concen: 236.519 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tot Ion: 43 Resp: 1591004

Ion Ratio Lower Upper

43 100

86 9.2 7.7 11.5

Instrument :

MSVOA_W

ClientSampleId :

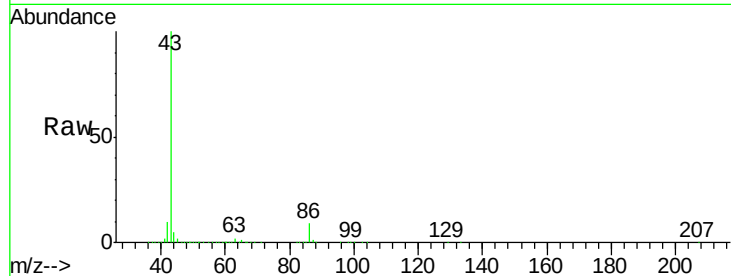
VSTDCCC050

Manual Integrations

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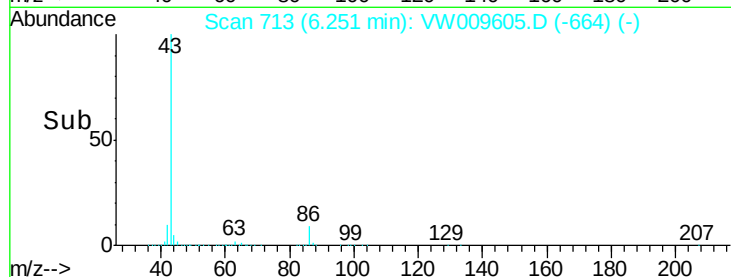
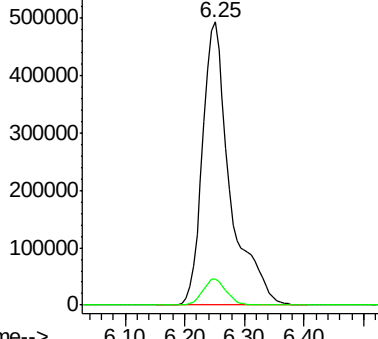
MMDadoda

4/1/2019 5:30:15 PM

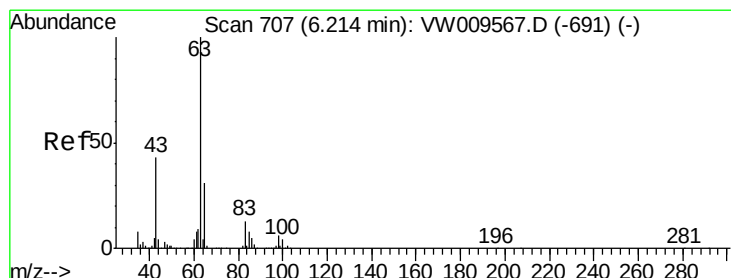


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 48.084 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

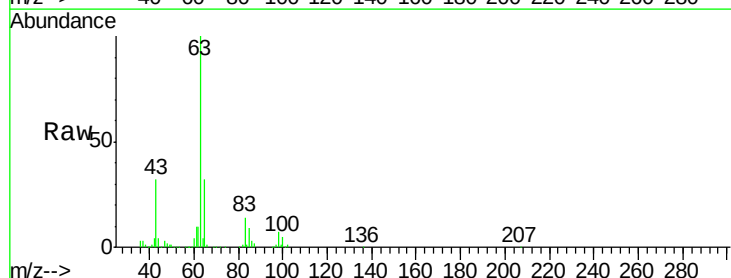
Tgt Ion: 63 Resp: 312067

Ion Ratio Lower Upper

63 100

98 6.8 3.7 11.1

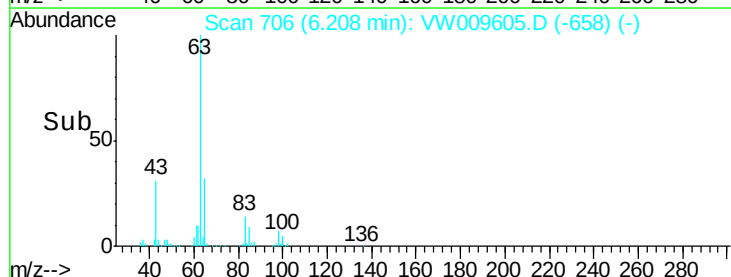
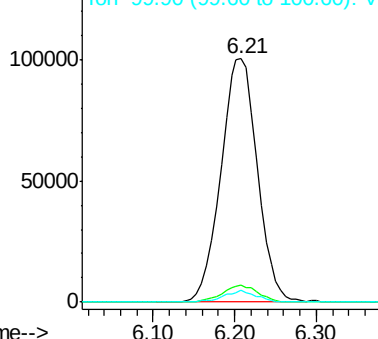
100 4.9 2.4 7.1



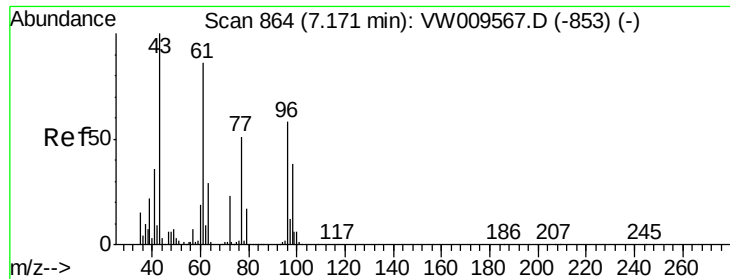
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->



#25

2-Butanone

Concen: 229.357 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 263545

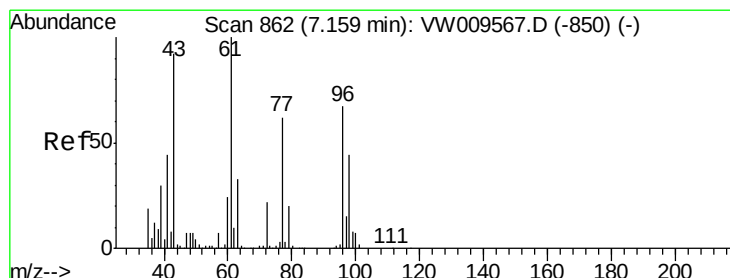
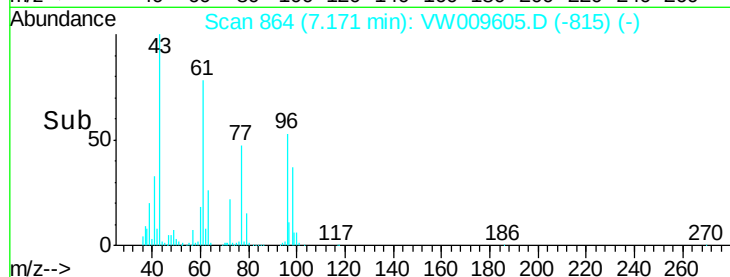
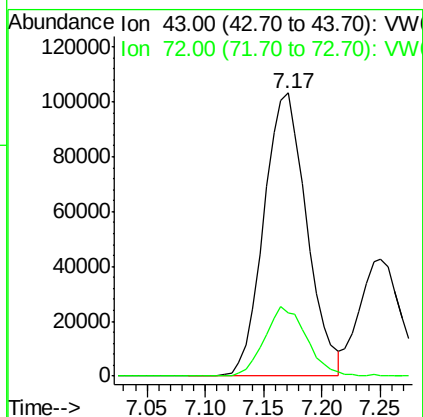
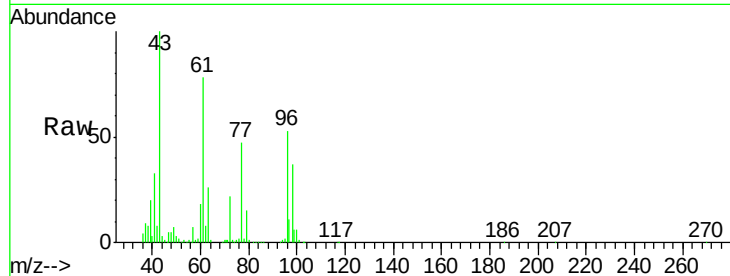
Ion Ratio Lower Upper

43 100

72 22.5 20.0 30.0

Manual Integrations
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4/1/2019 5:30:15 PM



#26

2,2-Dichloropropane

Concen: 48.082 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009605.D

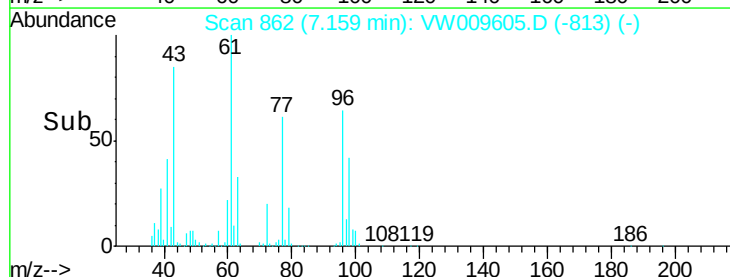
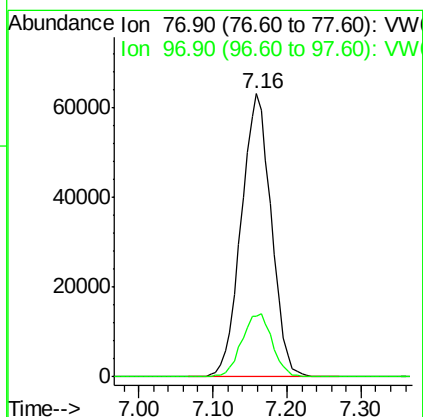
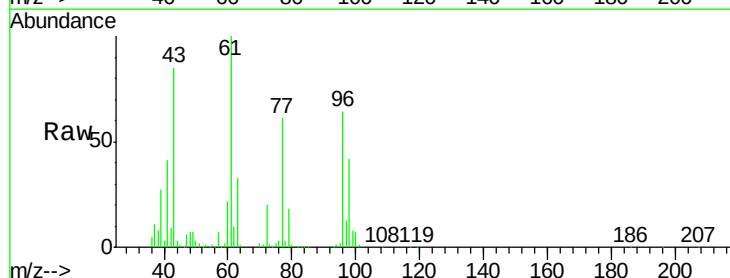
Acq: 31 Mar 2019 11:42

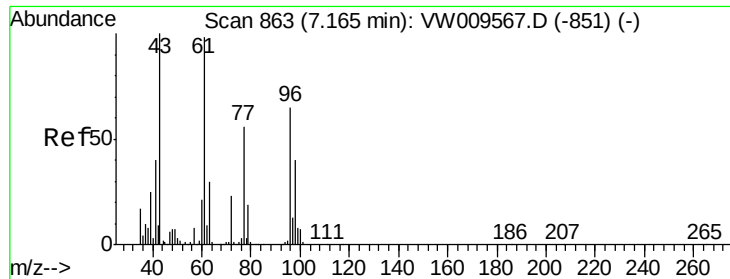
Tgt Ion: 77 Resp: 178410

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7





#27

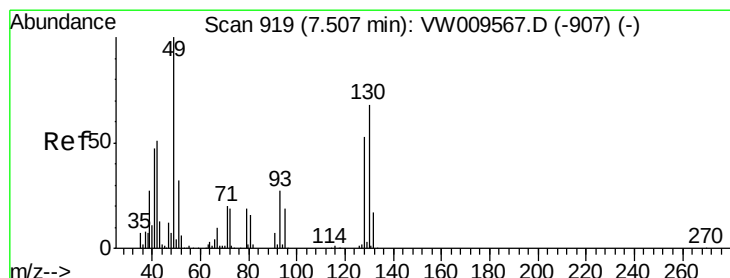
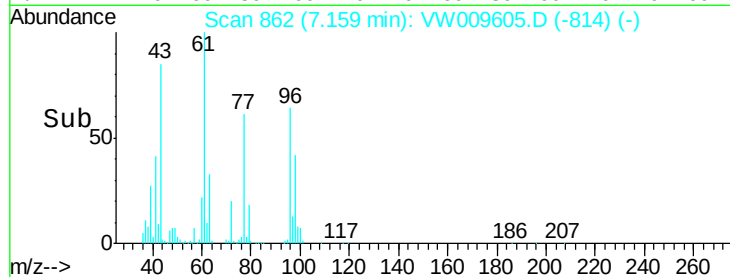
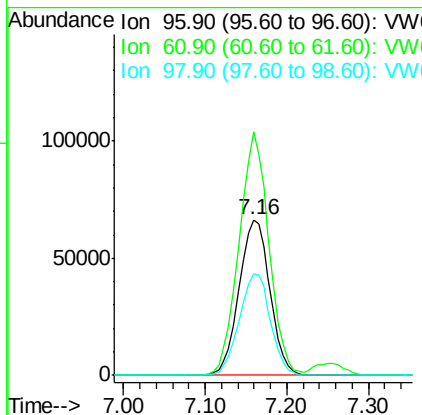
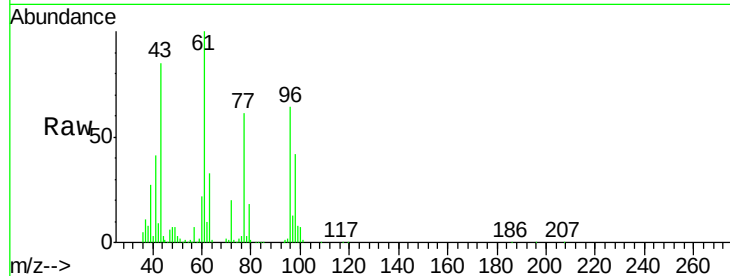
cis-1,2-Dichloroethene
Concen: 48.112 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	289.8
98	65.6	0.0	130.8

Manual Integrations
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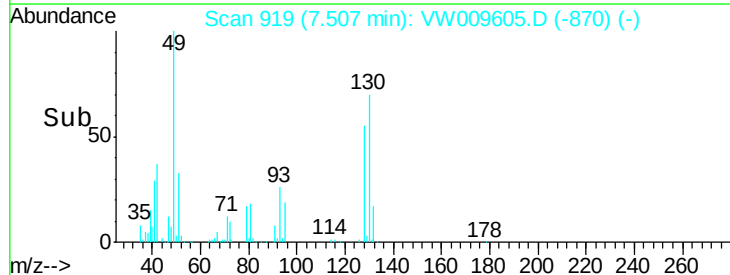
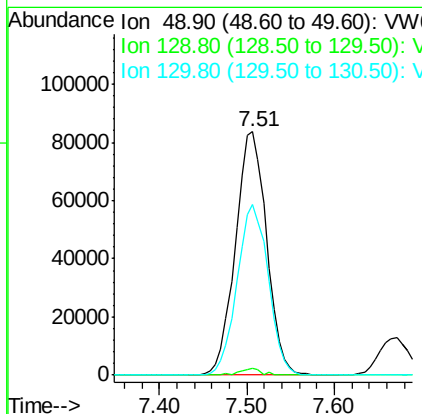
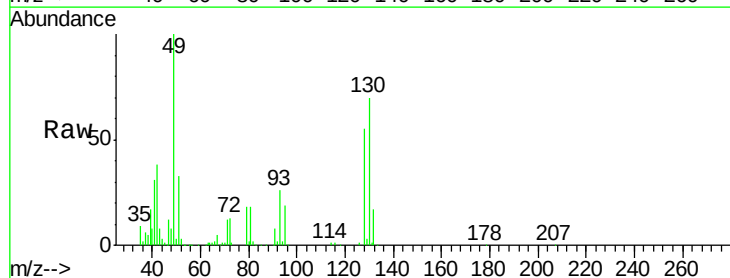
MMDadoda
4/1/2019 5:30:15 PM

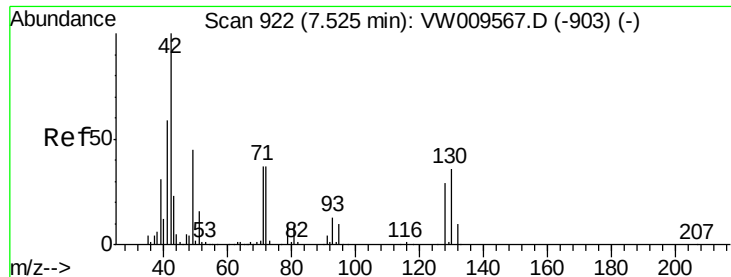


#28

Bromochloromethane
Concen: 73.836 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	1.4#
130	70.0	58.6	88.0





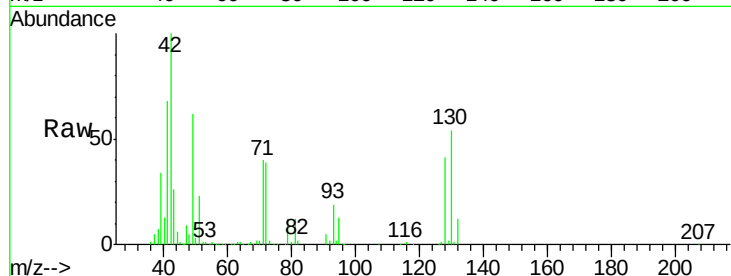
#29
Tetrahydrofuran
Concen: 219.116 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

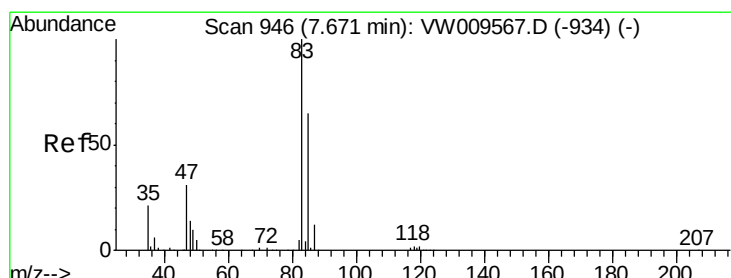
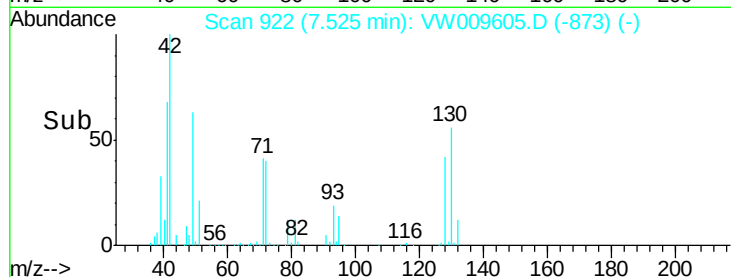
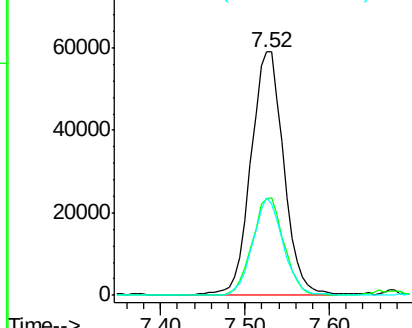
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.4	48.6
71	37.3	30.1	45.1

Manual Integrations
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MMDadoda
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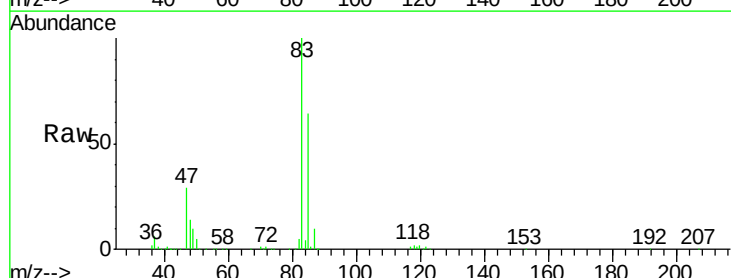


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

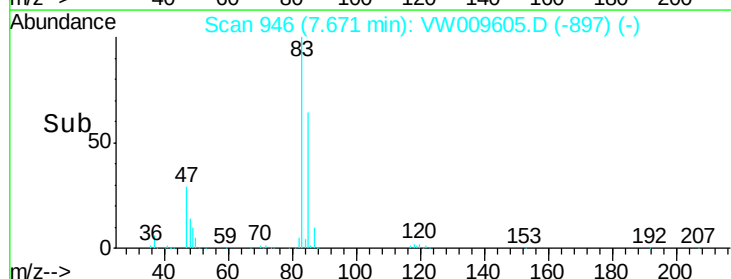
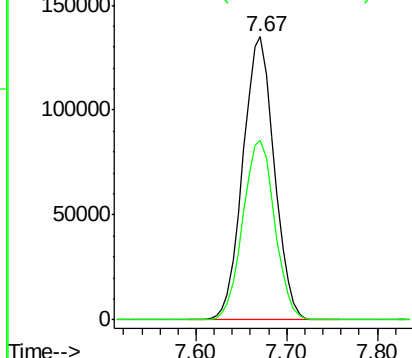


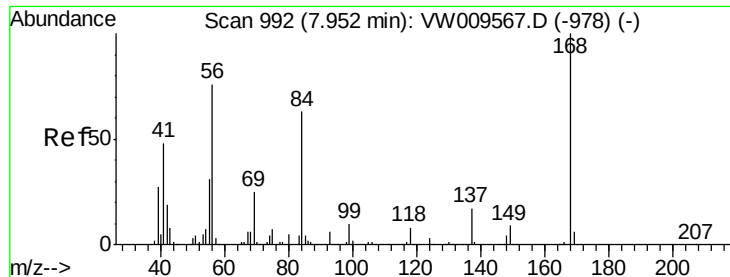
#30
Chloroform
Concen: 48.109 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





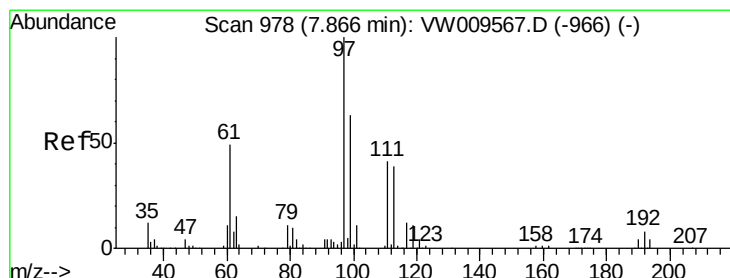
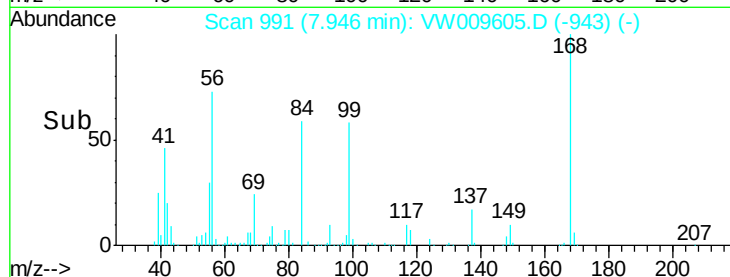
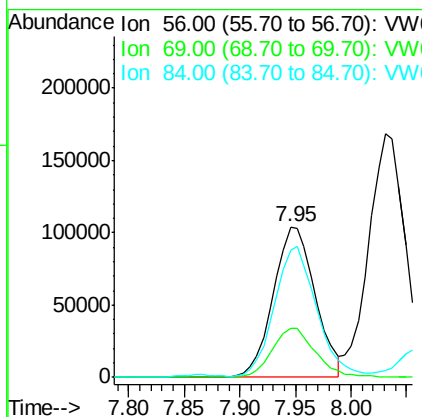
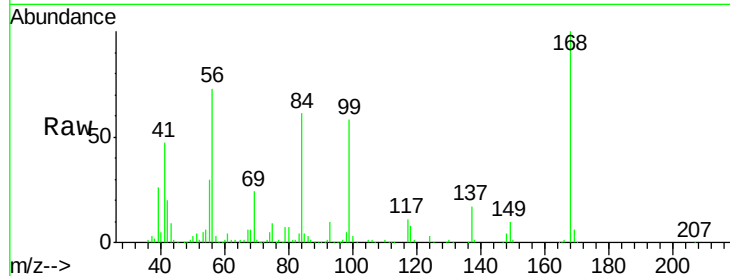
#31
Cyclohexane
Concen: 44.791 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.1	39.1
84	82.7	68.6	103.0

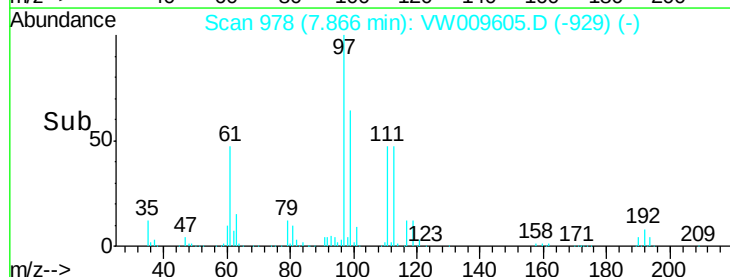
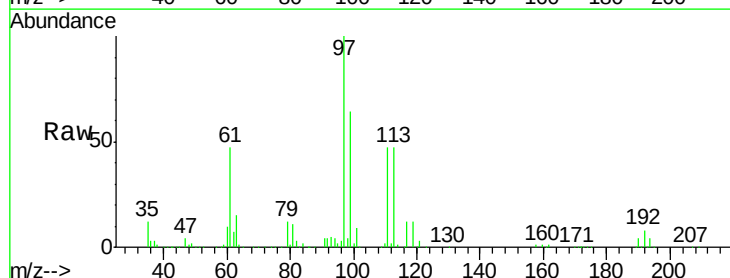
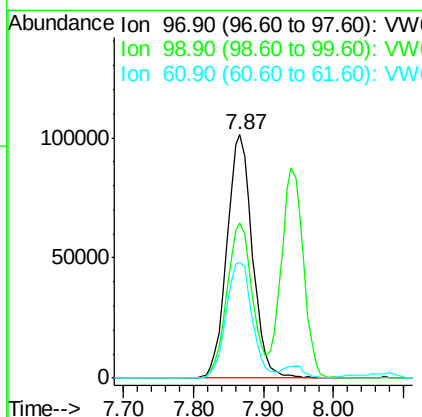
Manual Integrations
APPROVED

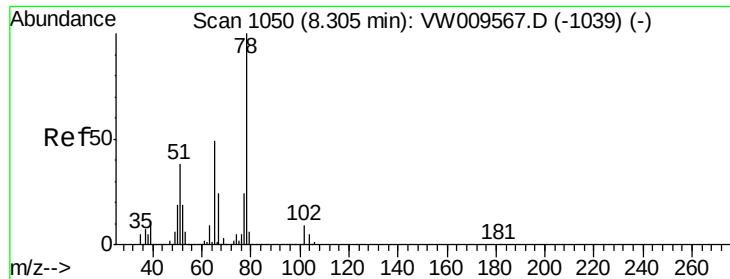
MMDadoda
4/1/2019 5:30:15 PM



#32
1,1,1-Trichloroethane
Concen: 47.062 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.9	77.9
61	49.1	36.8	55.2





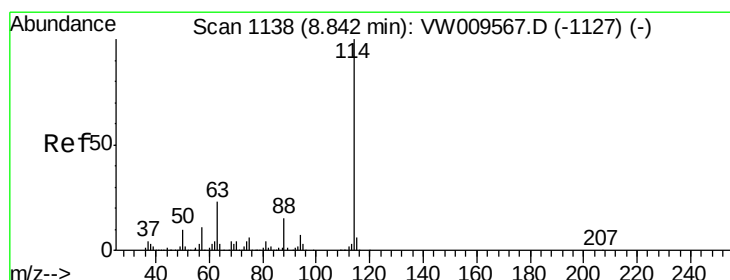
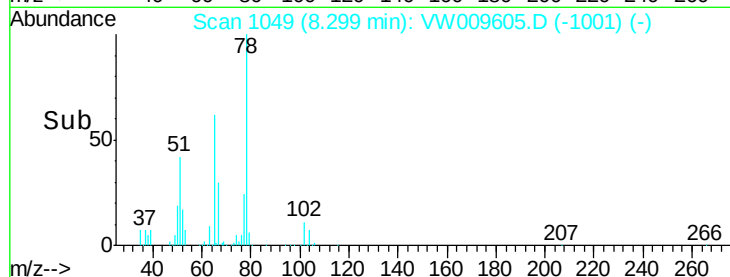
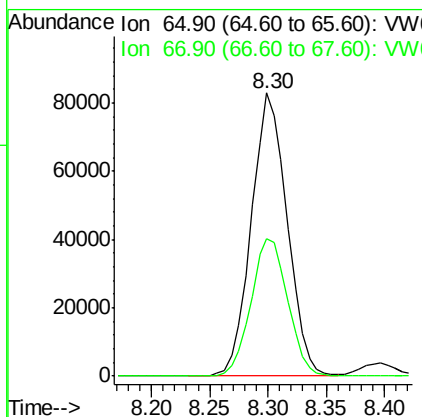
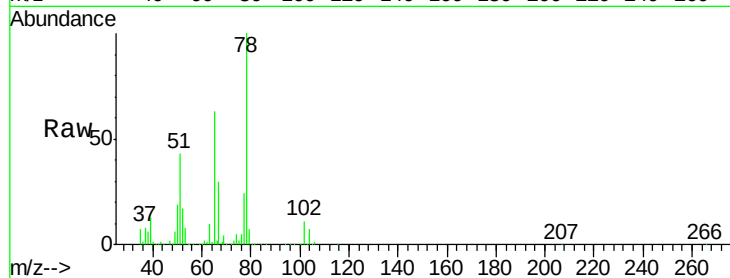
#33
 1,2-Dichloroethane-d4
 Concen: 47.855 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176983		
67	49.7	0.0	102.4	

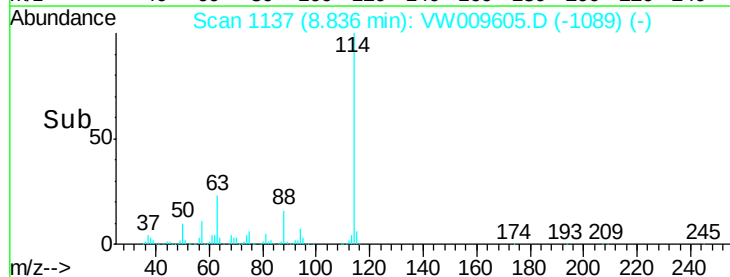
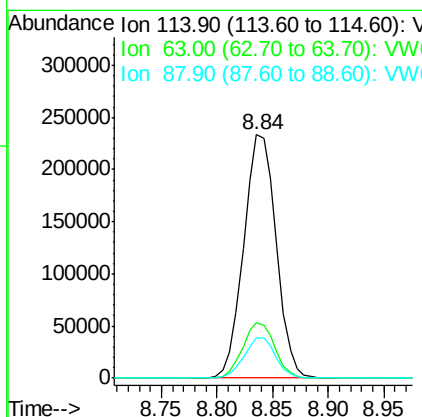
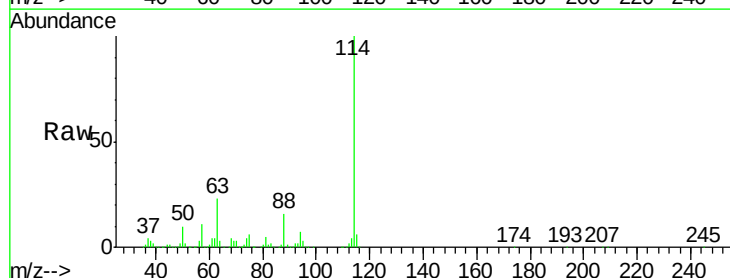
Manual Integrations
 APPROVED

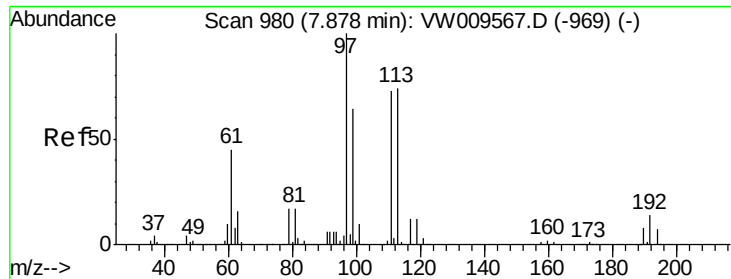
MMDadoda
 4/1/2019 5:30:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	473583		
63	22.9	0.0	42.2	
88	16.3	0.0	30.8	





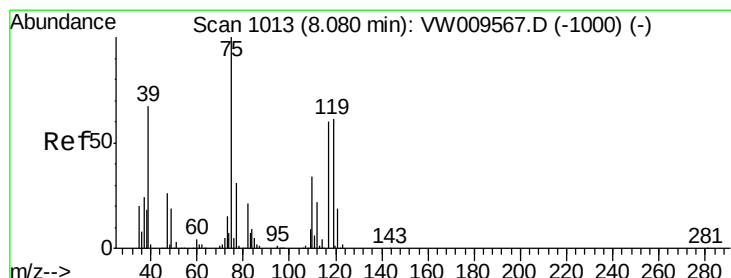
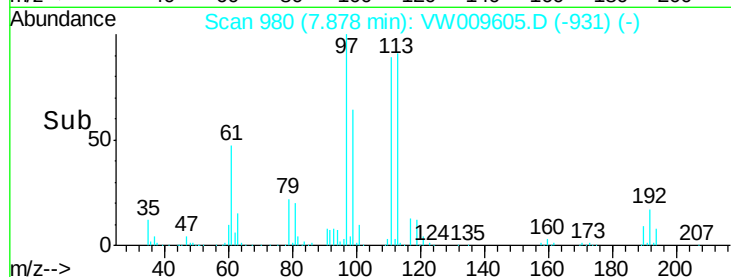
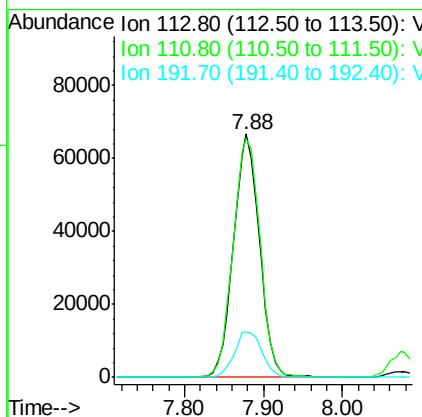
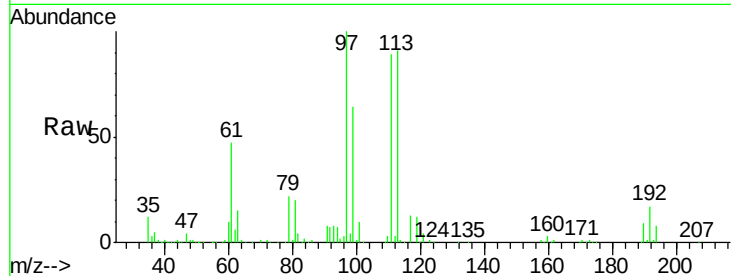
#35
Dibromofluoromethane
Concen: 51.373 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152807		
111	102.7	82.6	124.0	
192	19.9	16.4	24.6	

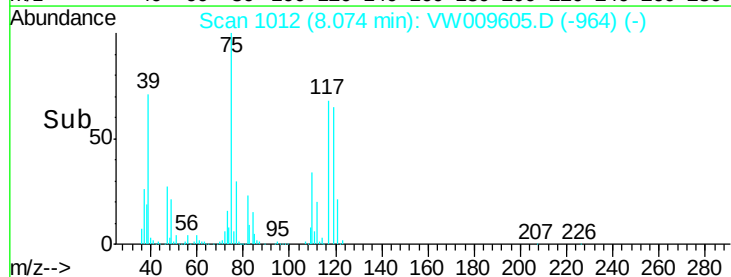
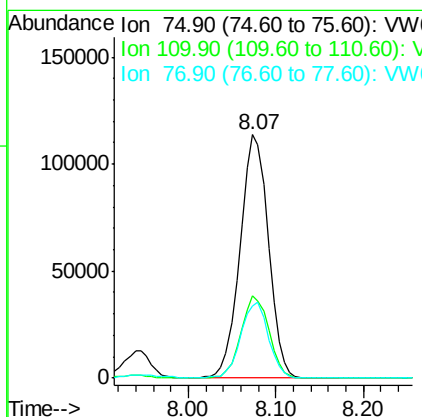
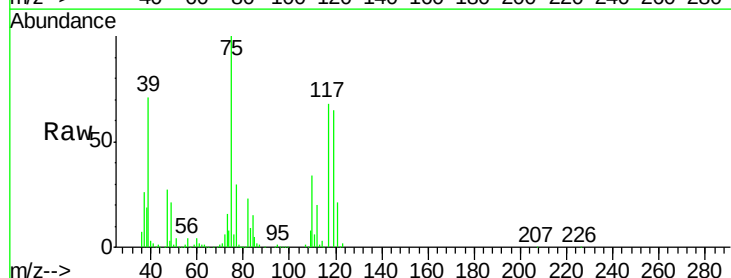
Manual Integrations
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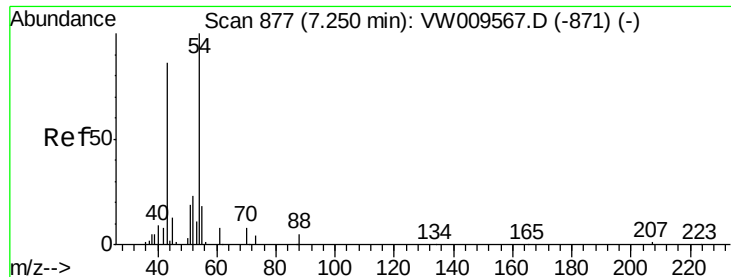
MMDadoda
4/1/2019 5:30:15 PM



#36
1,1-Dichloropropene
Concen: 52.454 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	256941		
110	33.3	16.8	50.4	
77	30.8	24.6	36.8	





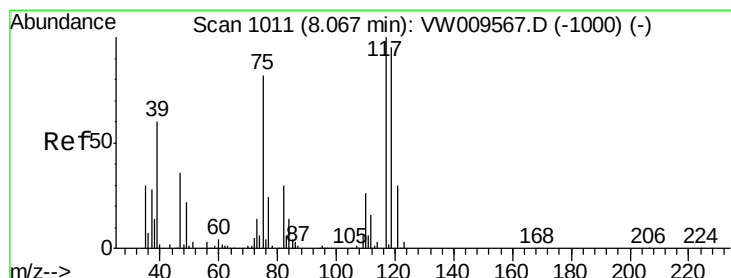
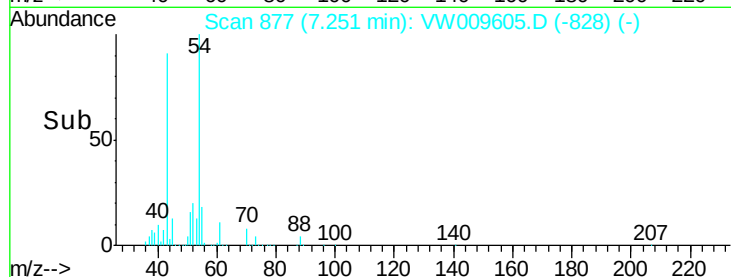
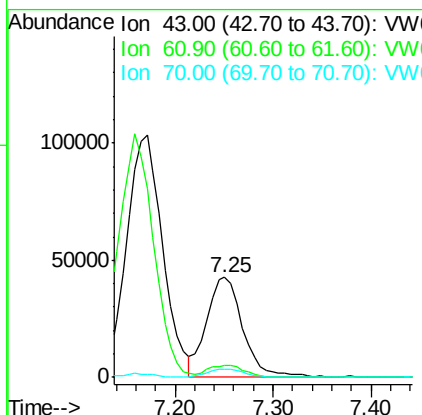
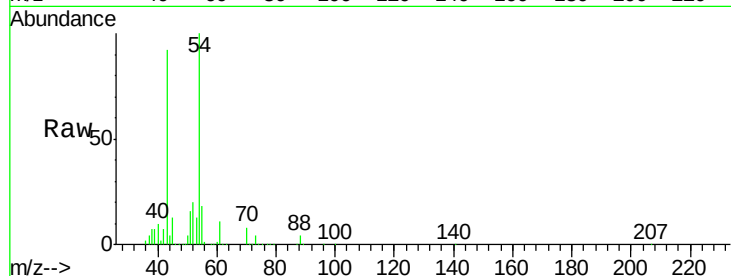
#37
Ethyl Acetate
Concen: 46.531 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	108286		
61	12.7		10.0	15.0
70	9.0		7.3	10.9

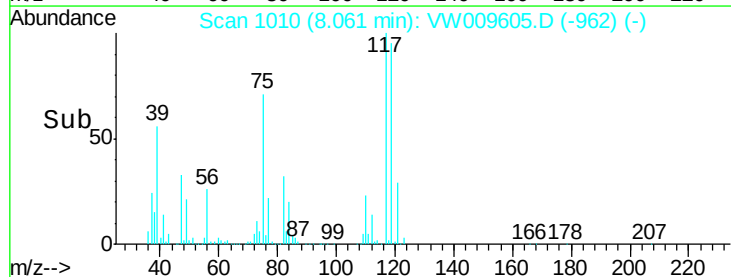
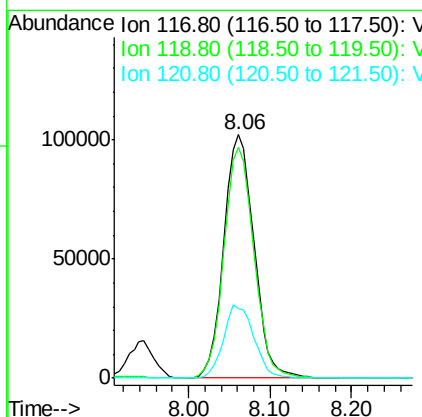
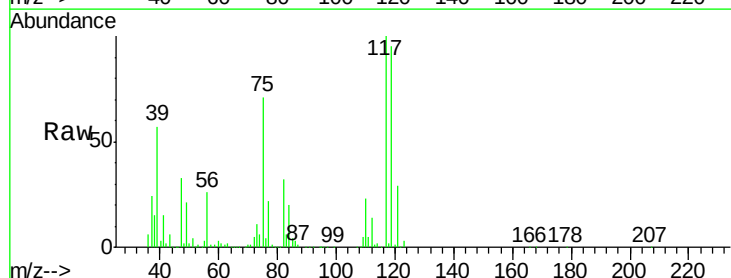
Manual Integrations
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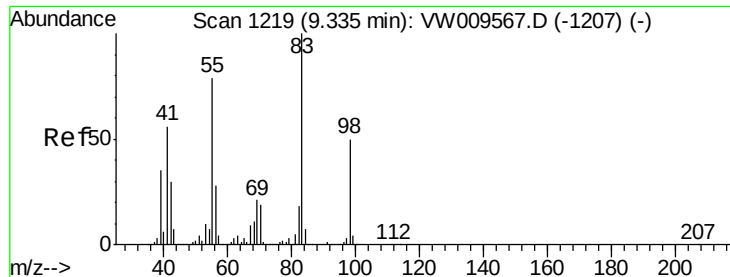
MMDadoda
4/1/2019 5:30:15 PM



#38
Carbon Tetrachloride
Concen: 52.022 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	261111		
119	94.9		75.4	113.0
121	28.5		24.9	37.3





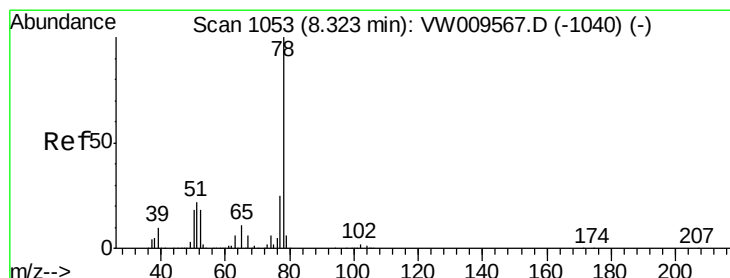
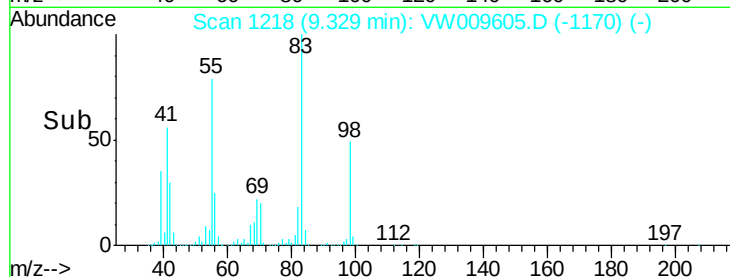
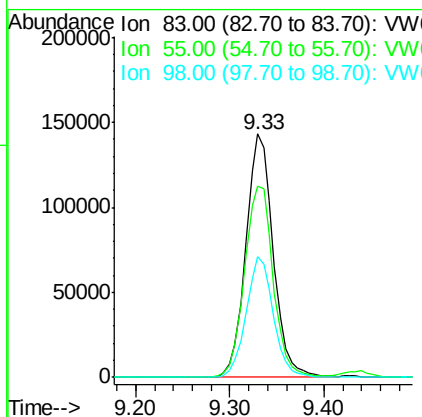
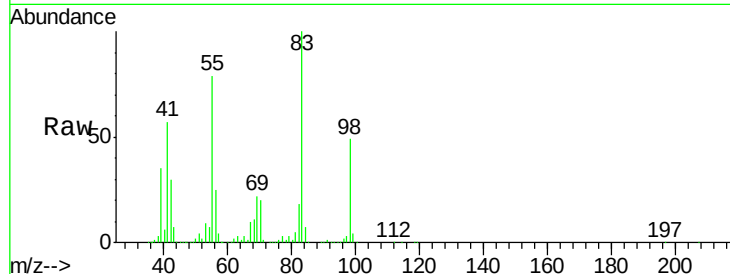
#39
Methylvlcyclohexane
Concen: 52.181 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	291971		
55	78.6		61.1	91.7
98	49.4		39.0	58.4

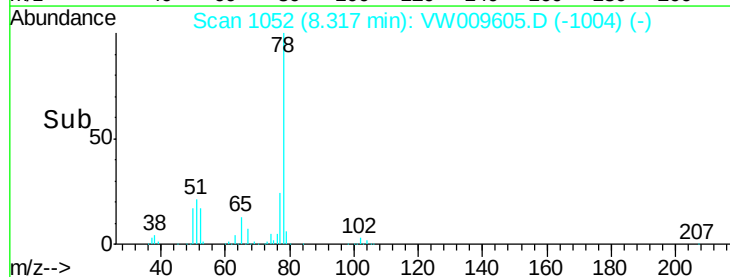
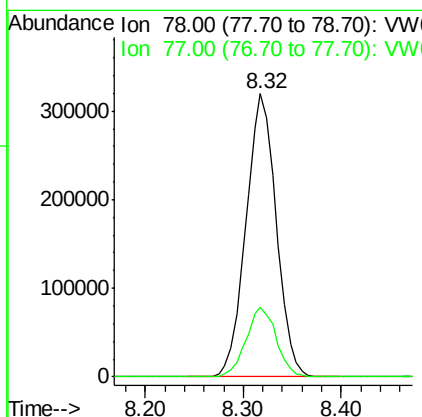
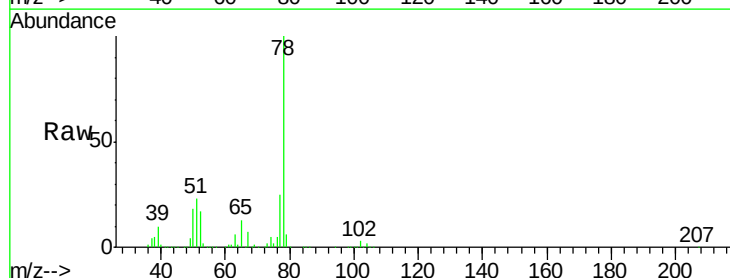
Manual Integrations
APPROVED

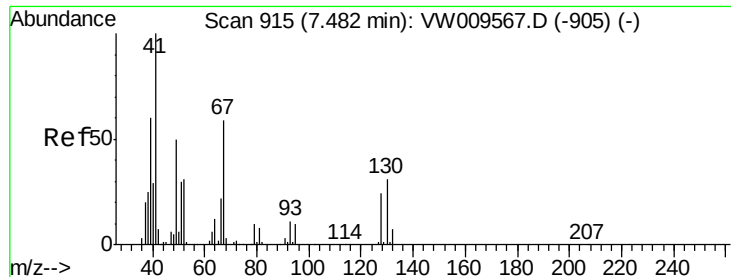
MMDadoda
4/1/2019 5:30:15 PM



#40
Benzene
Concen: 51.554 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	684010		
77	24.5		19.8	29.6





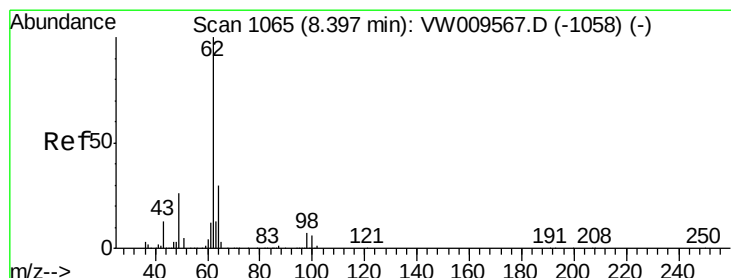
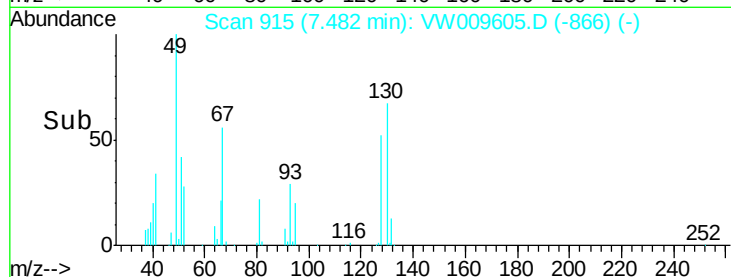
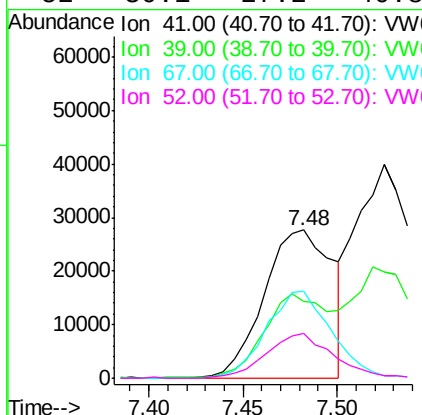
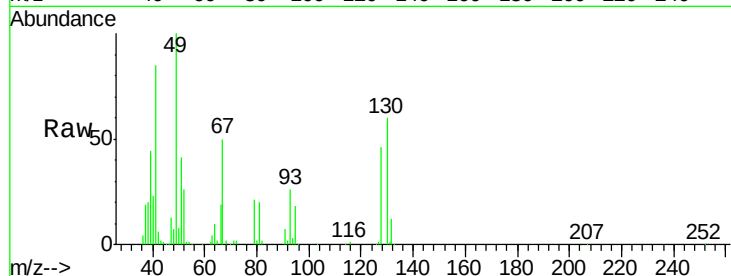
#41
Methacrylonitrile
Concen: 46.439 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.9	52.5	78.7#	
67	56.3	56.6	84.8#	
52	30.1	27.2	40.8	

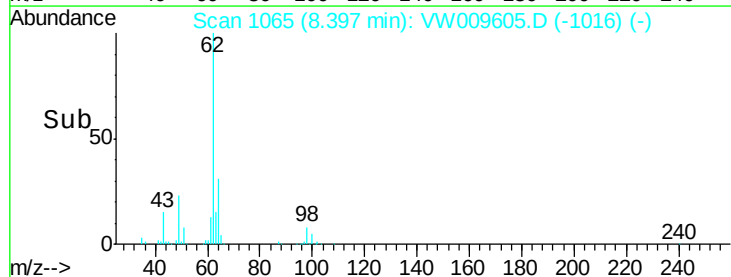
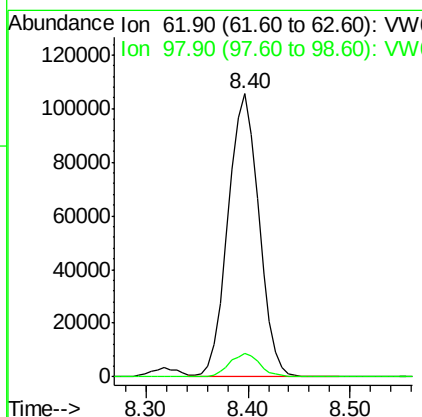
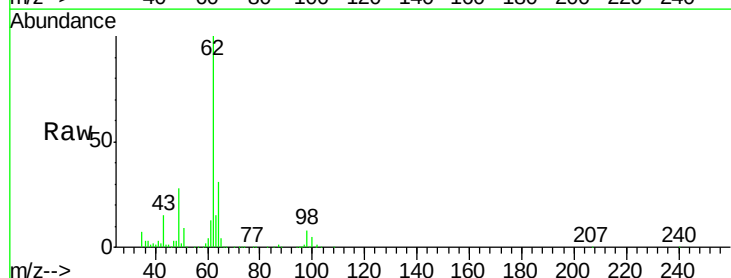
Manual Integrations
APPROVED

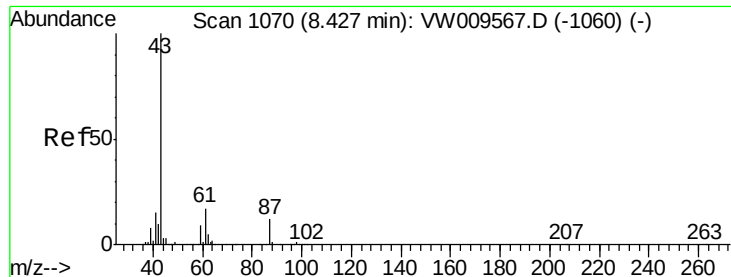
MMDadoda
4/1/2019 5:30:15 PM



#42
1,2-Dichloroethane
Concen: 49.013 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.4	





#43

Isopropyl Acetate

Concen: 46.577 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

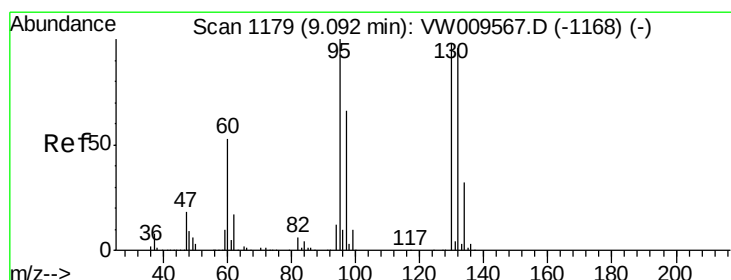
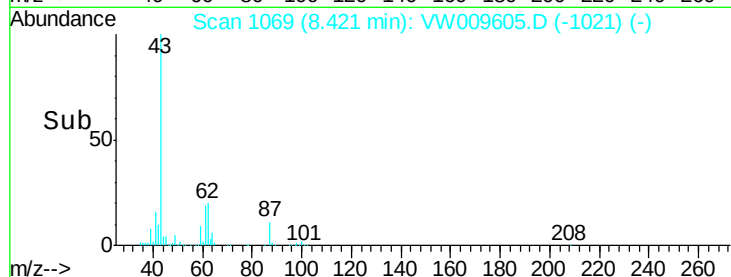
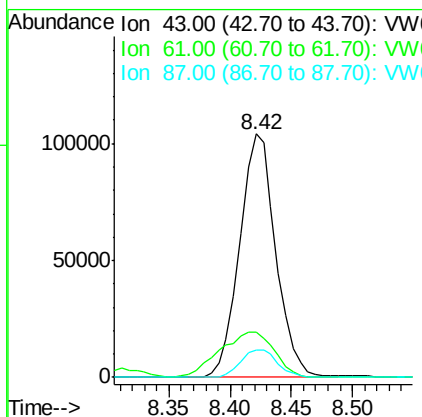
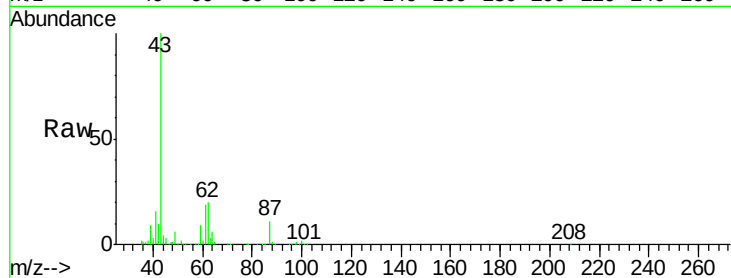
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	212430
Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.2	33.2
87	11.6	9.6	14.4

Manual Integrations
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4/1/2019 5:30:15 PM



#44

Trichloroethene

Concen: 51.250 ug/l

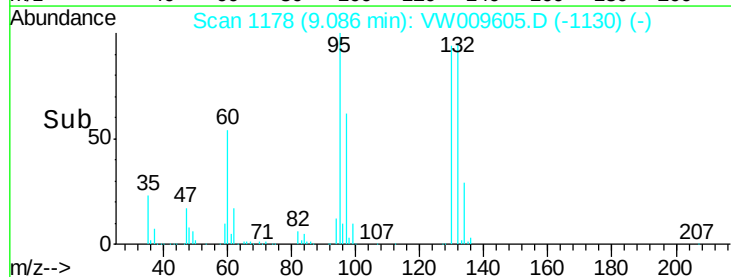
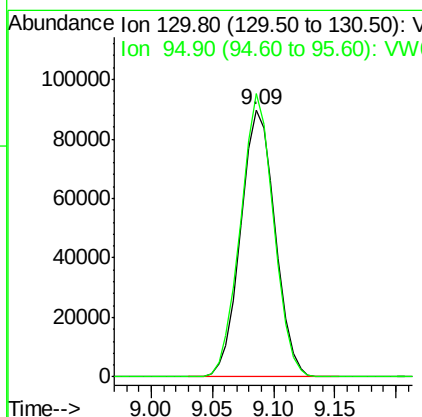
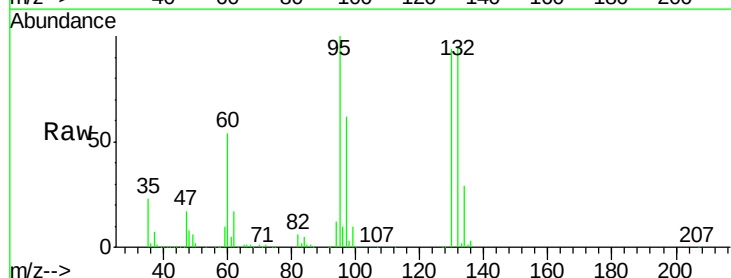
RT: 9.09 min Scan# 1178

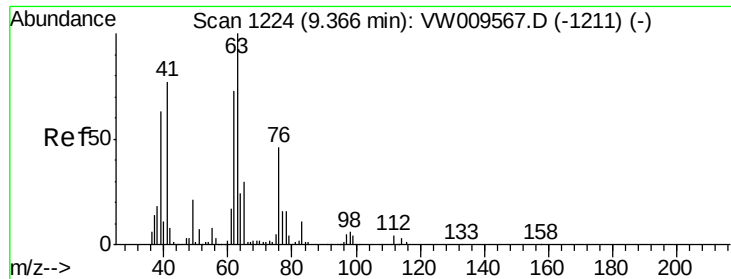
Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tgt Ion:	130	Resp:	176042
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	192.6





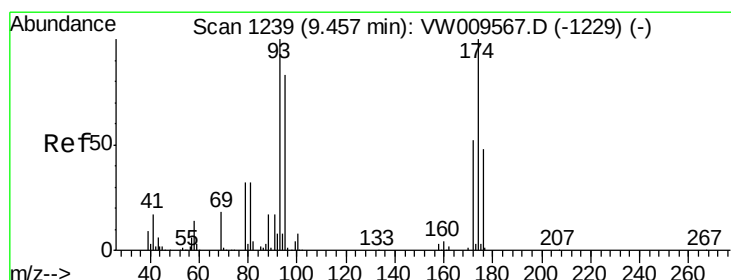
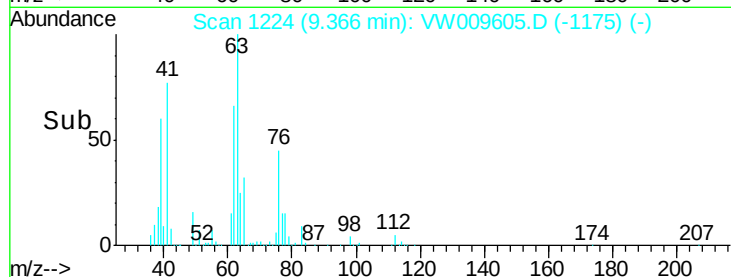
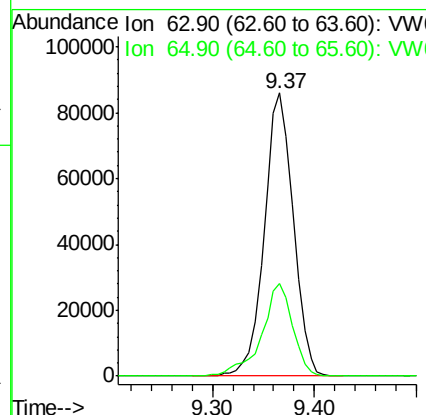
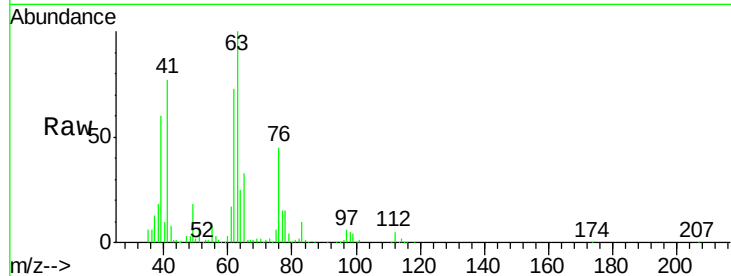
#45
 1,2-Dichloropropane
 Concen: 50.124 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.8	38.8

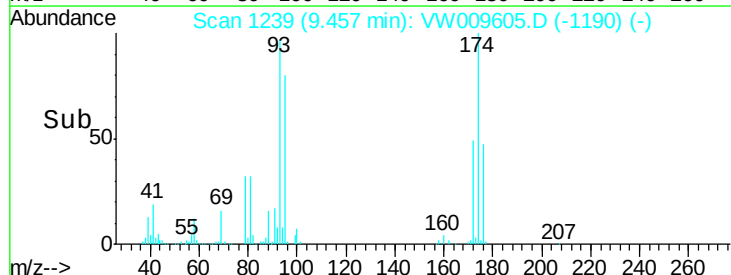
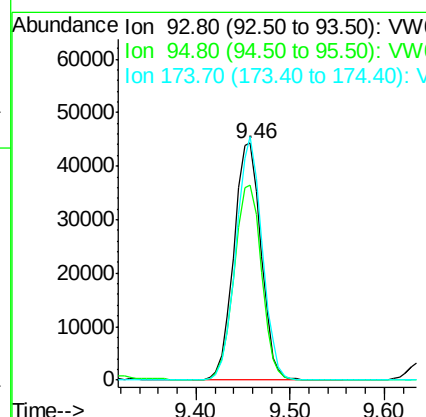
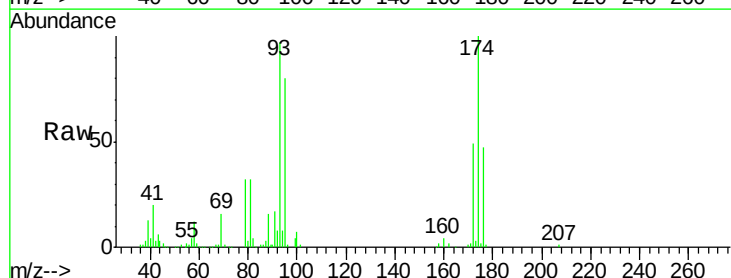
Manual Integrations
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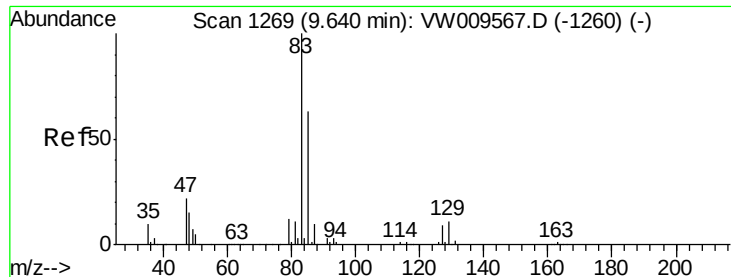
MMDadoda
 4/1/2019 5:30:15 PM



#46
 Dibromomethane
 Concen: 48.468 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.9	100.3
174	98.1	80.8	121.2





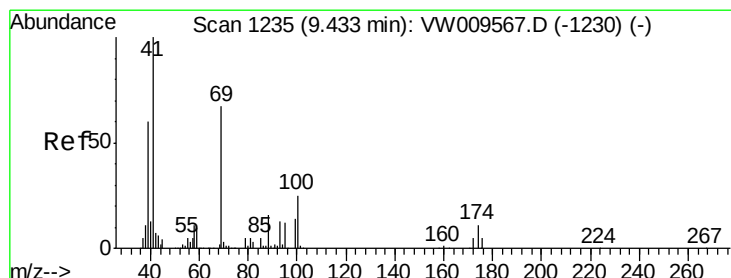
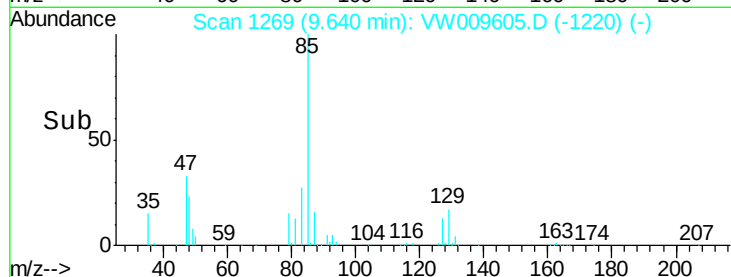
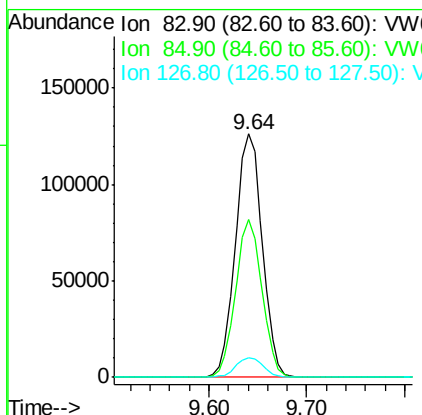
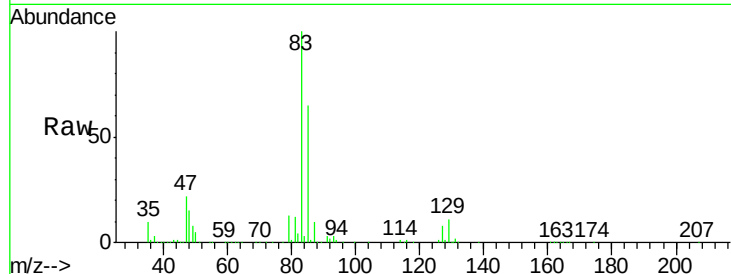
#47
Bromodichloromethane
Concen: 51.288 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	240689
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	52.6	79.0
127	8.2	6.5	9.7

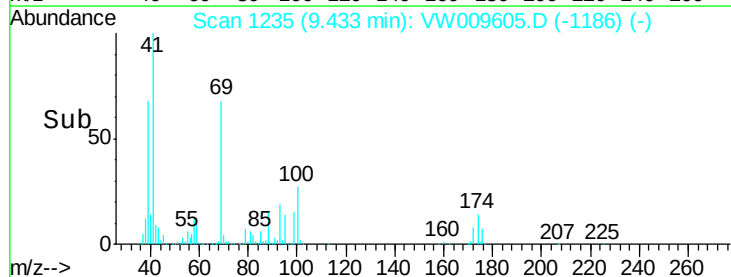
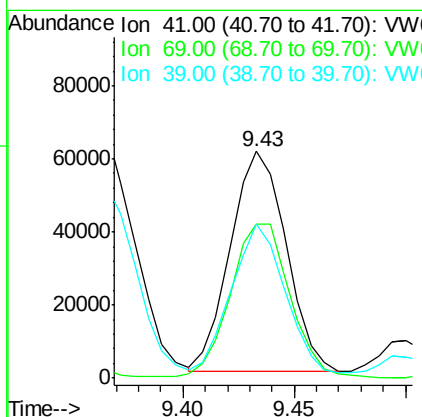
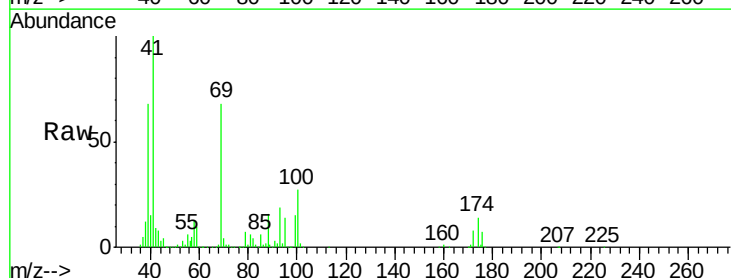
Manual Integrations
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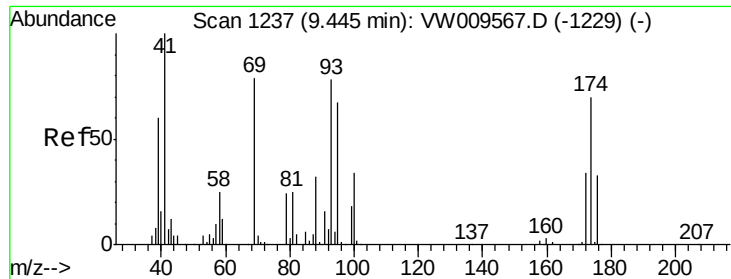
MMDadoda
4/1/2019 5:30:15 PM



#48
Methyl methacrylate
Concen: 49.284 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	41	Resp	105367
Ion Ratio	100	Lower	Upper
41	100		
69	74.2	63.0	94.6
39	69.7	57.2	85.8





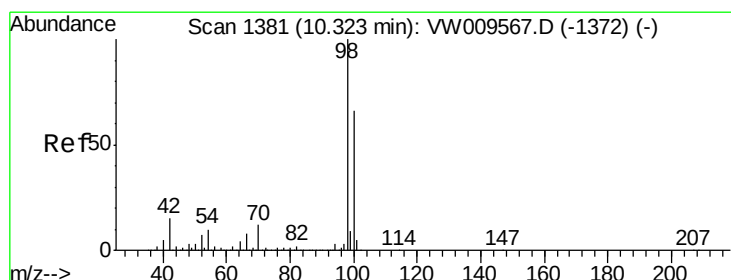
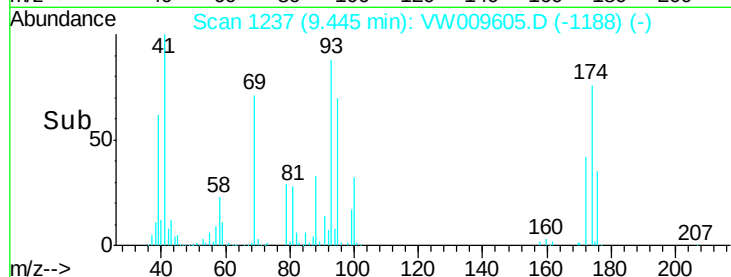
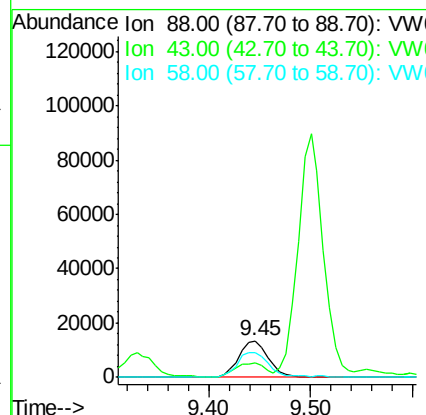
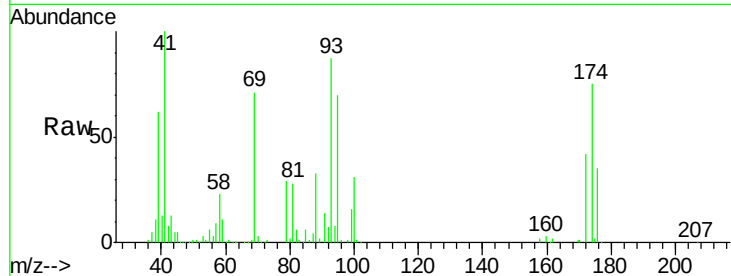
#49
1,4-Dioxane
Concen: 998.011 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	29.7	44.5
58	72.4	58.1	87.1

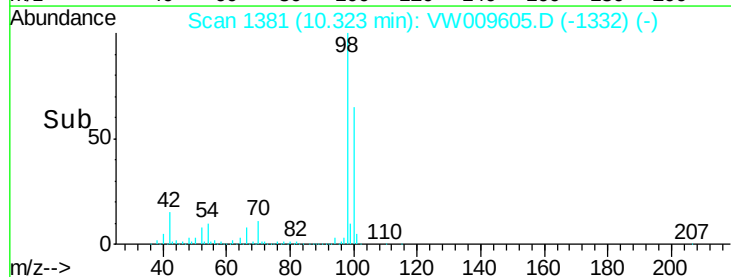
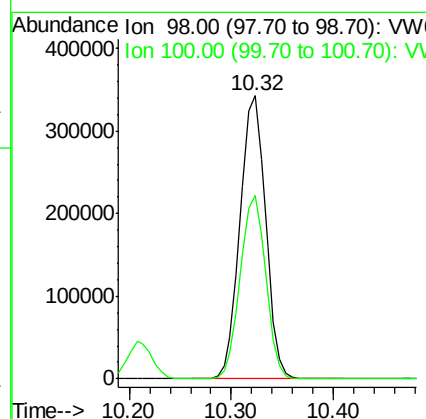
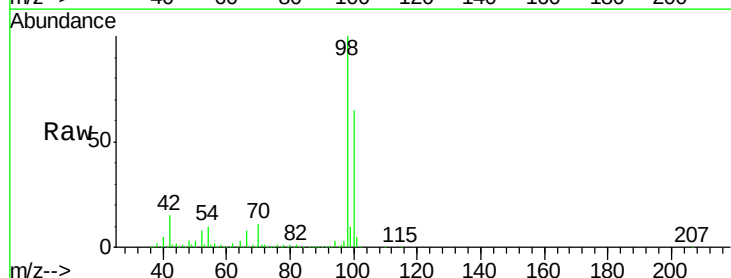
Manual Integrations
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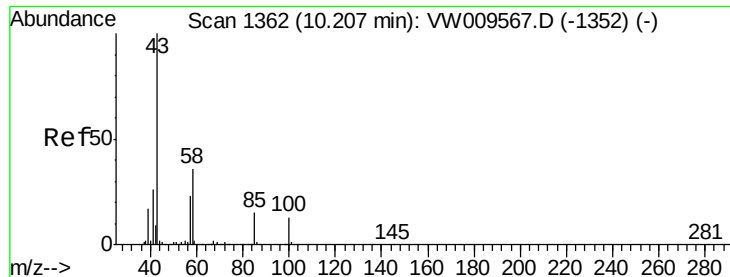
MMDadoda
4/1/2019 5:30:15 PM



#50
Toluene-d8
Concen: 54.058 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 235.111 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 573720

Ion Ratio Lower Upper

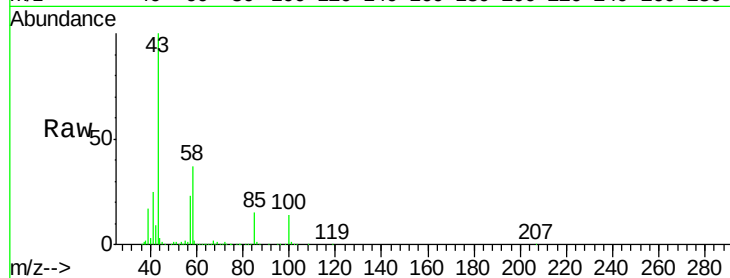
43 100

58 35.7 28.6 42.8

Manual Integrations
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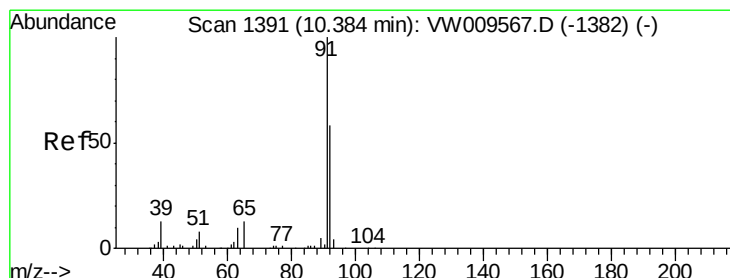
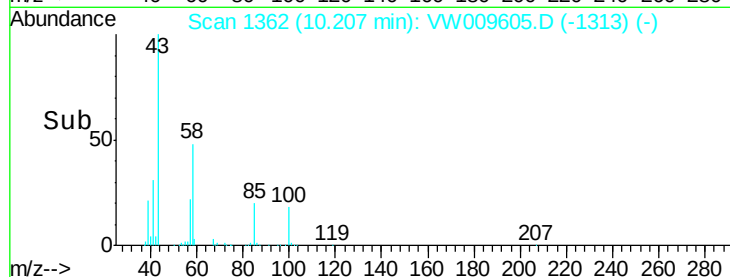
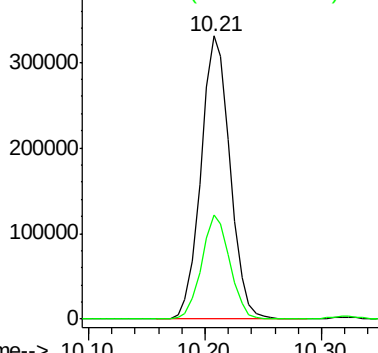
MMDadoda

4/1/2019 5:30:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.154 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009605.D

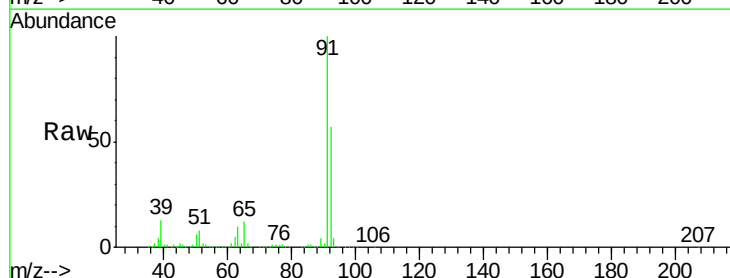
Acq: 31 Mar 2019 11:42

Tgt Ion: 92 Resp: 433345

Ion Ratio Lower Upper

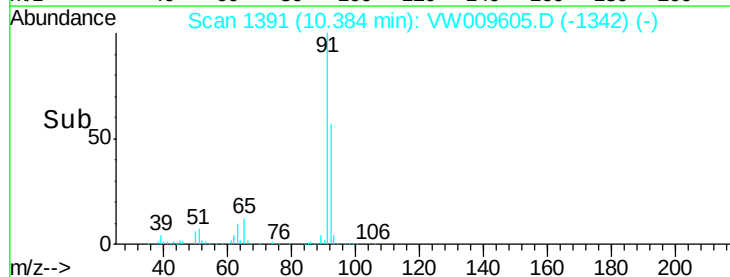
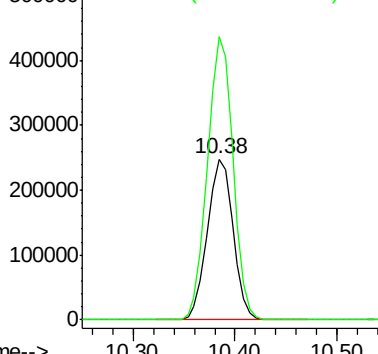
92 100

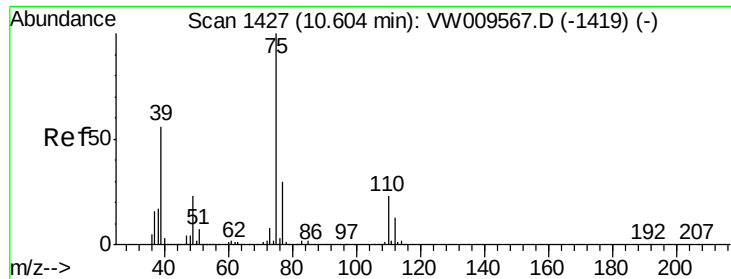
91 174.7 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





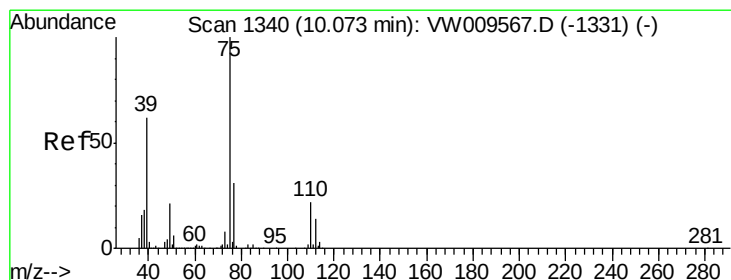
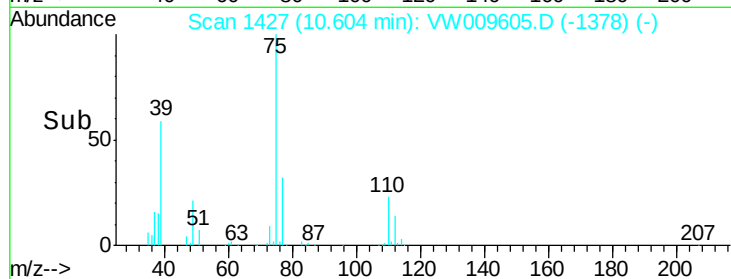
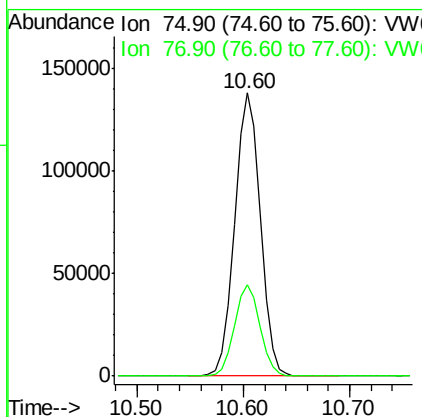
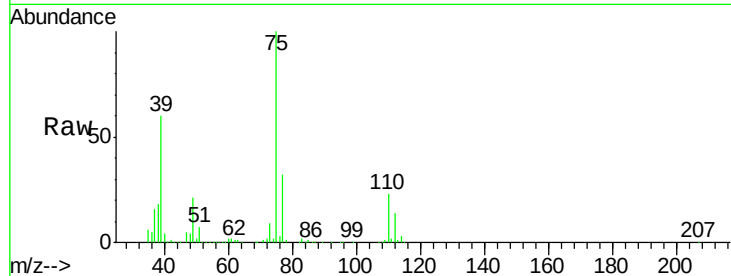
#53
t-1,3-Dichloropropene
Concen: 50.908 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2

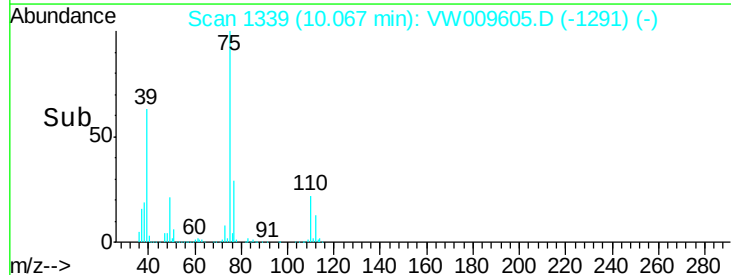
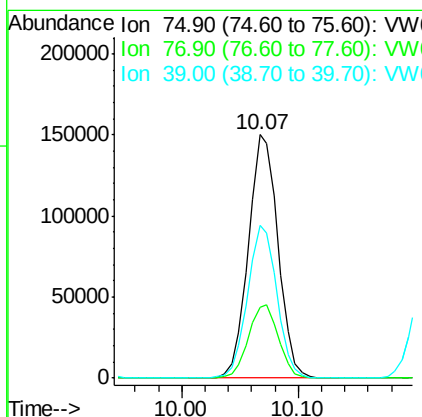
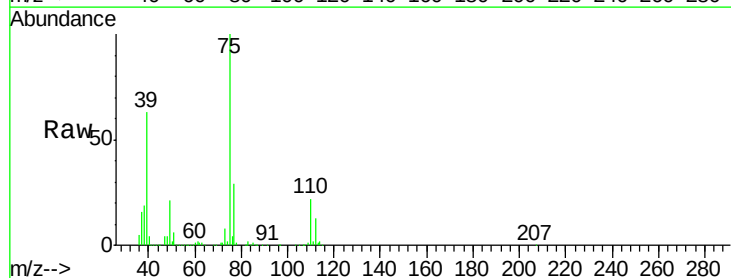
Manual Integrations
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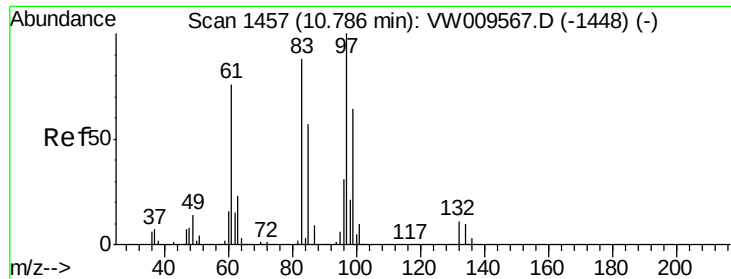
MMDadoda
4/1/2019 5:30:15 PM



#54
cis-1,3-Dichloropropene
Concen: 52.254 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.0	25.9	38.9
39	62.7	46.8	70.2





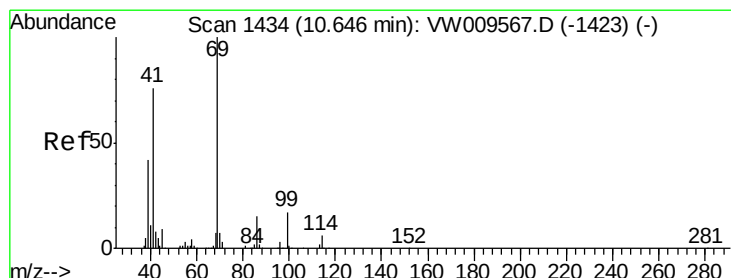
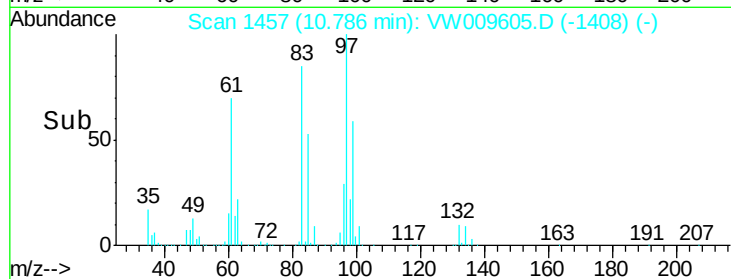
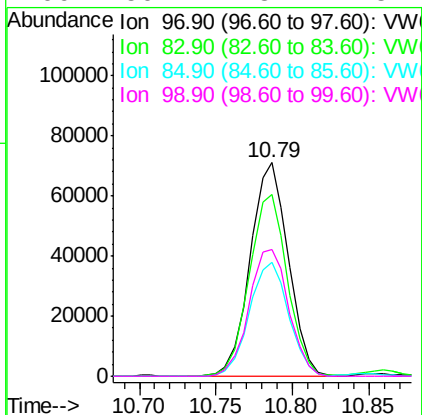
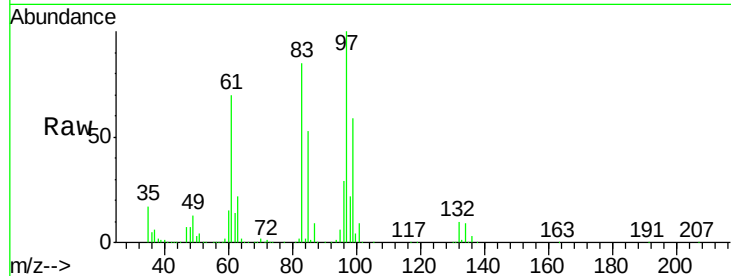
#55
 1,1,2-Trichloroethane
 Concen: 49.466 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	123011
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.3	99.5
85	53.2	41.4	62.2
99	59.2	48.7	73.1

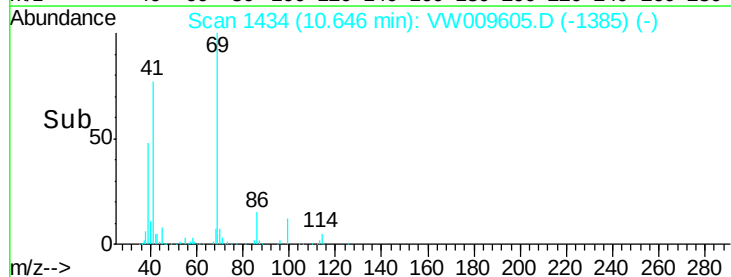
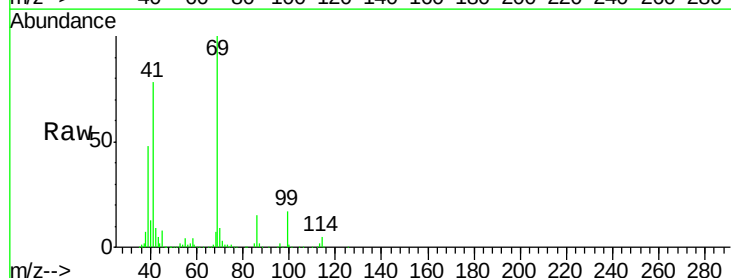
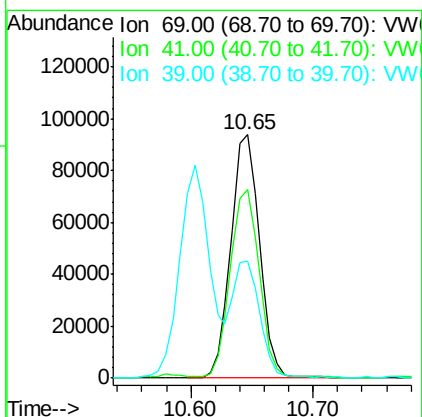
Manual Integrations
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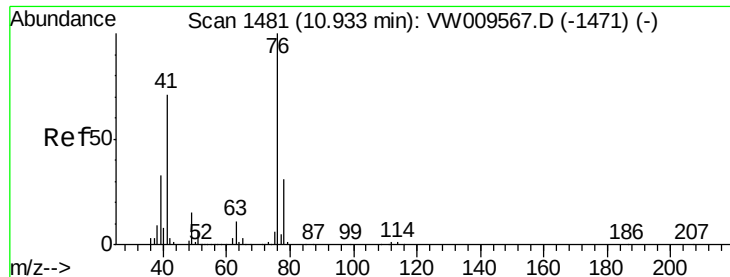
MMDadoda
 4/1/2019 5:30:15 PM



#56
 Ethyl methacrylate
 Concen: 44.545 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion:	69	Resp:	151875
Ion	Ratio	Lower	Upper
69	100		
41	78.2	59.3	88.9
39	44.4	36.2	54.2





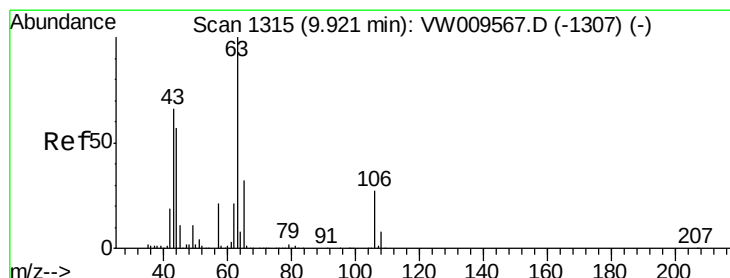
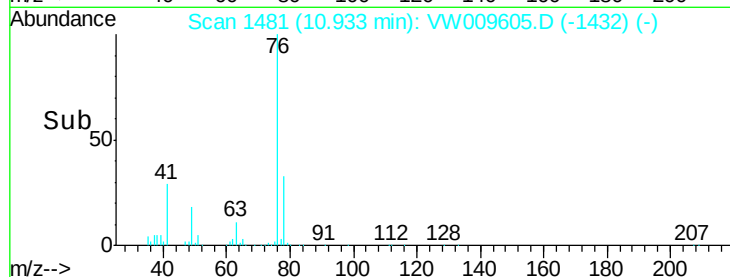
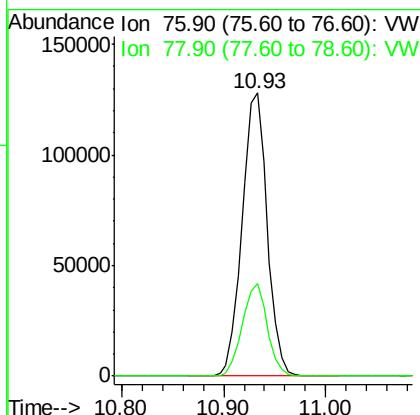
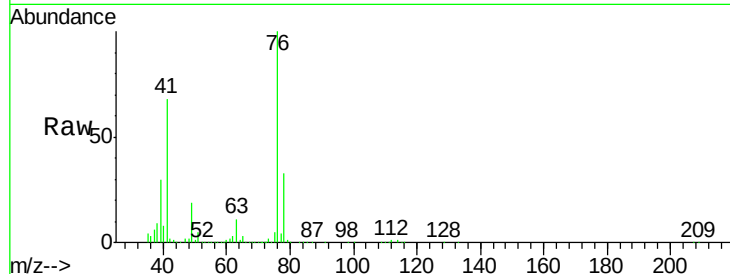
#57
 1,3-Dichloropropane
 Concen: 49.403 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 217768
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

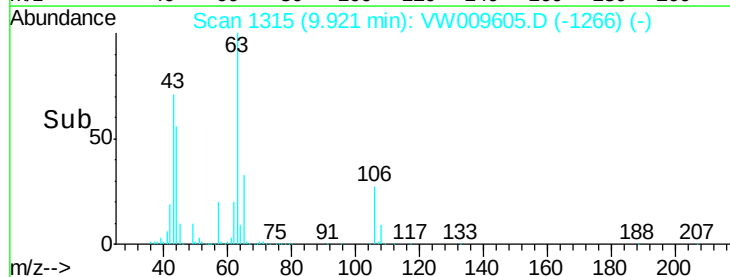
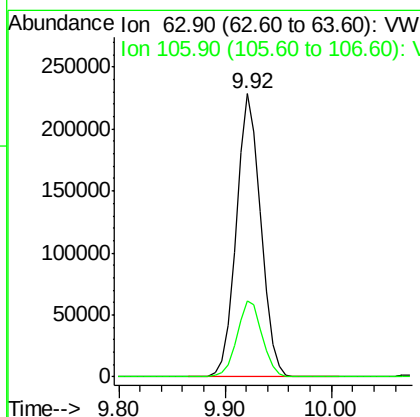
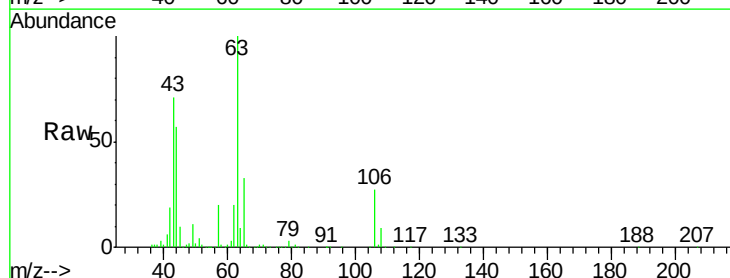
Manual Integrations
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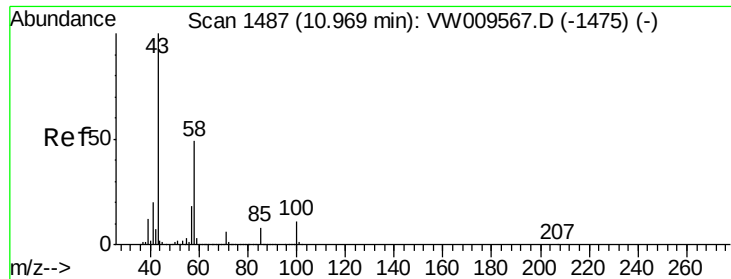
MMDadoda
 4/1/2019 5:30:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.089 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion: 63 Resp: 368746
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.9 34.3





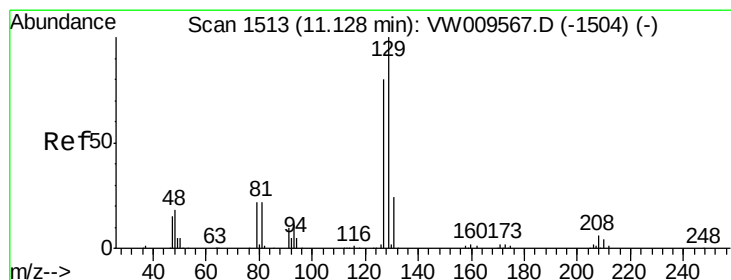
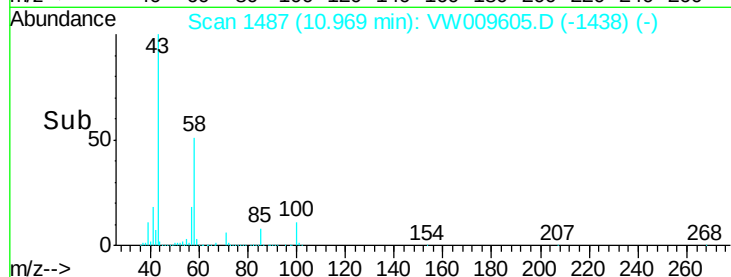
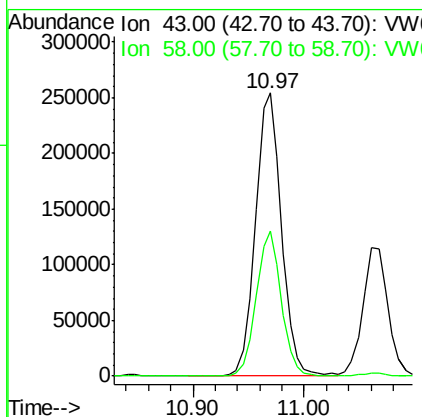
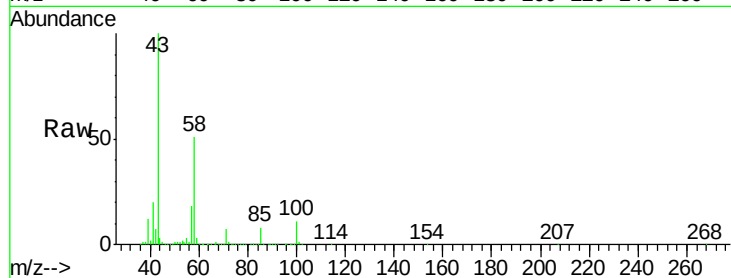
#59
2-Hexanone
Concen: 244.820 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 413452
Ion Ratio Lower Upper
43 100
58 49.4 24.2 72.6

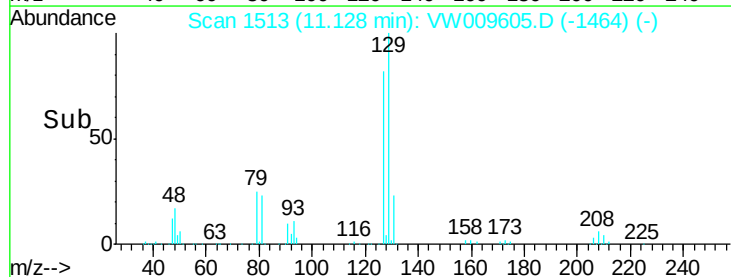
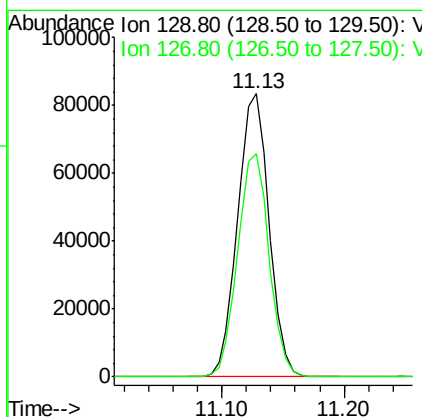
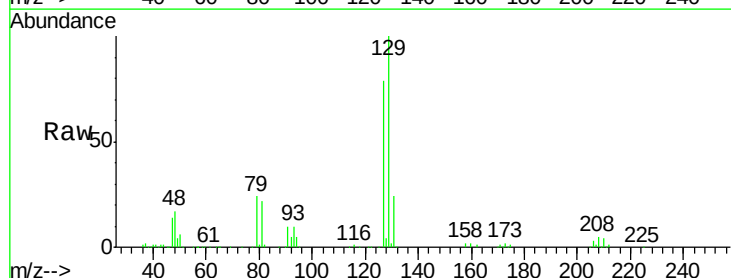
Manual Integrations
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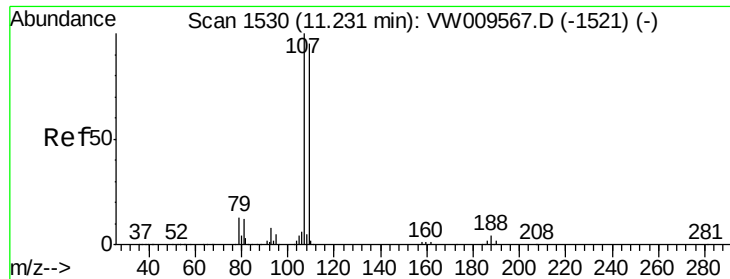
MMDadoda
4/1/2019 5:30:15 PM



#60
Dibromochloromethane
Concen: 49.483 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion: 129 Resp: 148582
Ion Ratio Lower Upper
129 100
127 78.9 38.1 114.5





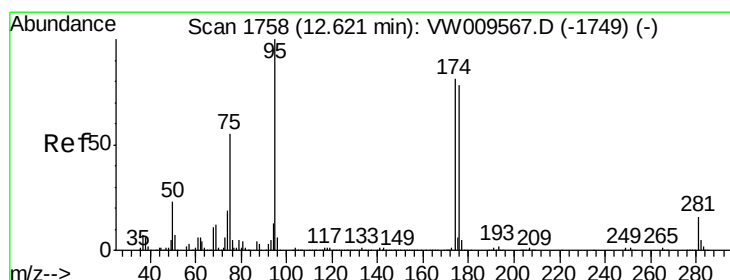
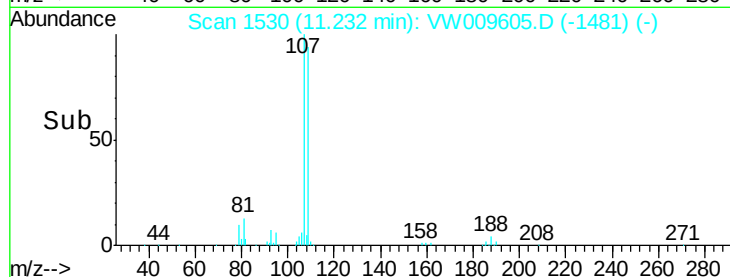
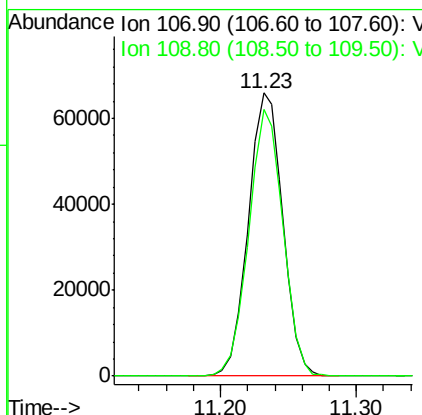
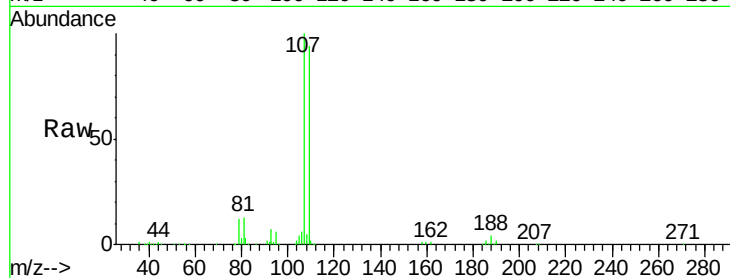
#61
 1,2-Dibromoethane
 Concen: 48.957 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.1	112.7

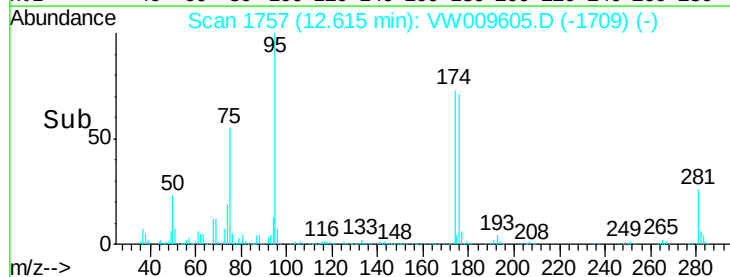
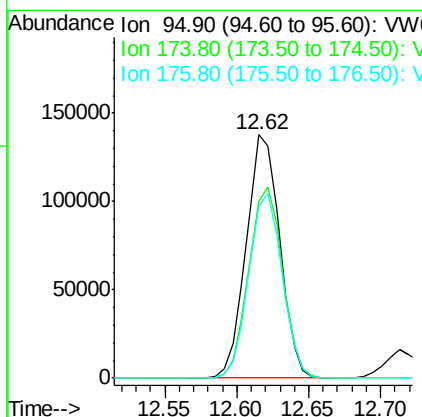
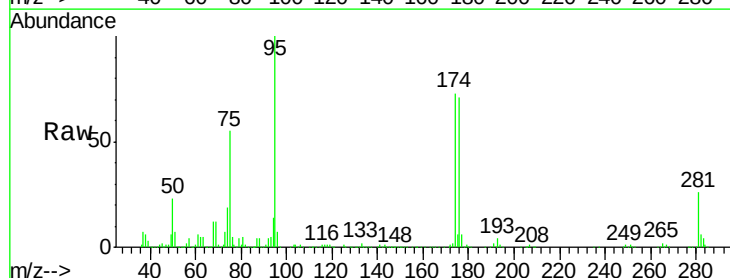
Manual Integrations
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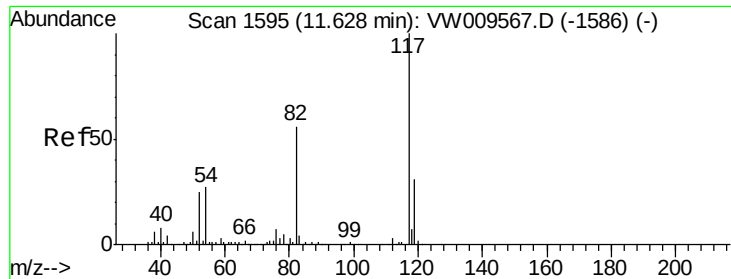
MMDadoda
 4/1/2019 5:30:15 PM



#62
 4-Bromofluorobenzene
 Concen: 54.031 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	168.4
176	75.7	0.0	161.6





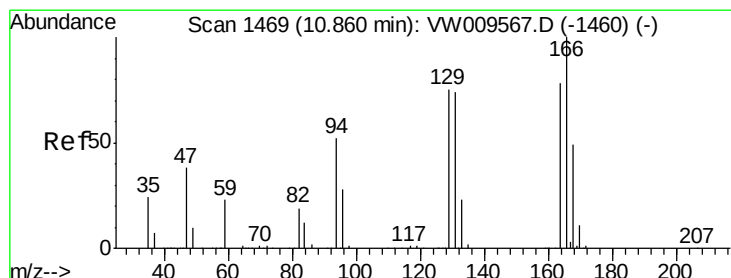
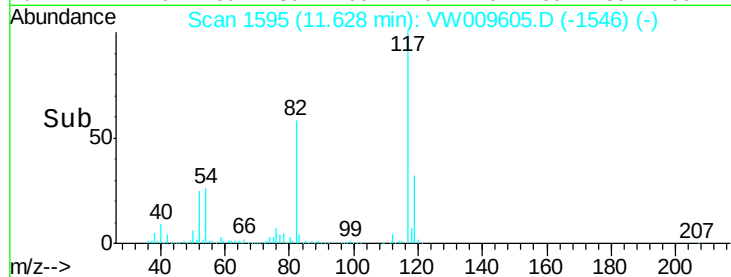
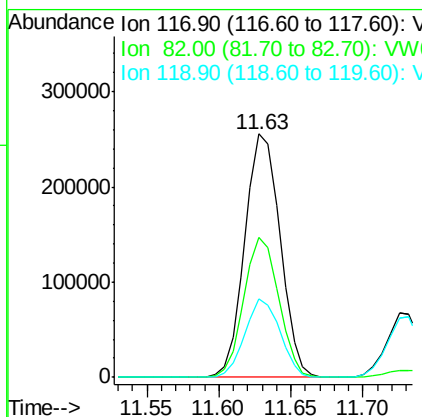
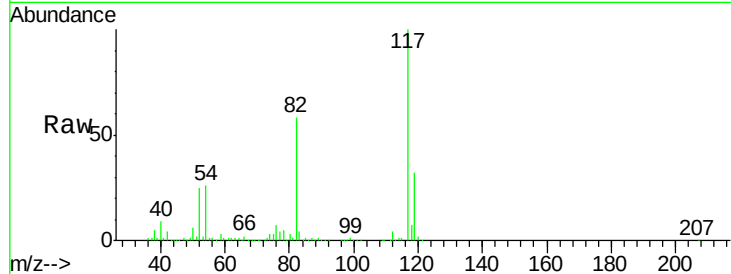
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	43.6	65.4
119	32.4	26.0	39.0

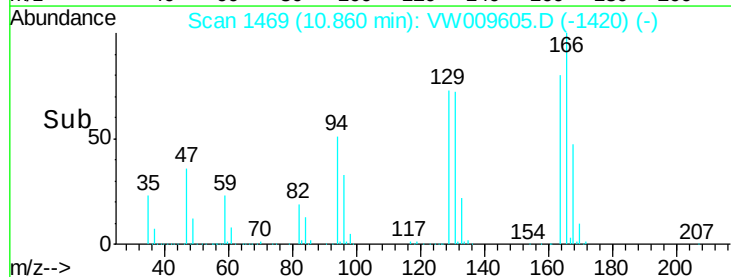
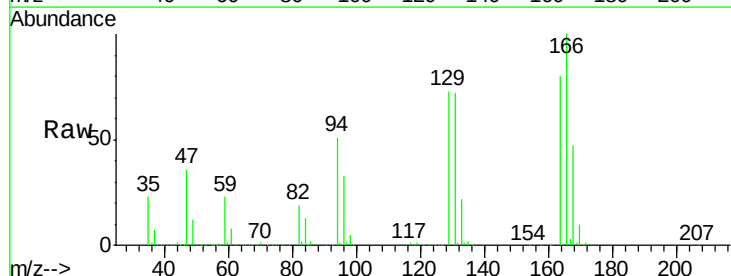
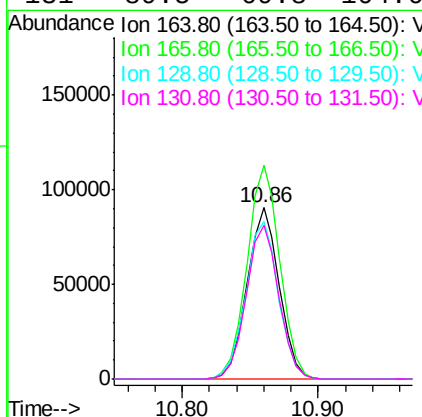
Manual Integrations
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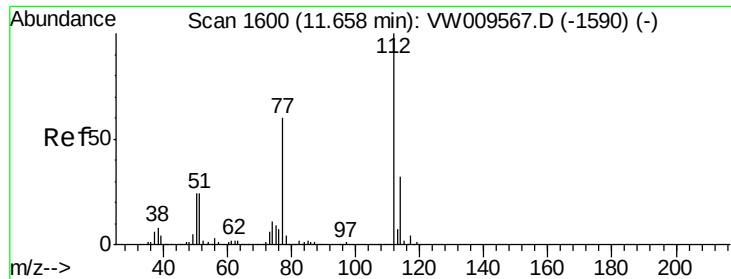
MMDadoda
4/1/2019 5:30:15 PM



#64
Tetrachloroethene
Concen: 50.527 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	100.9	151.3
129	91.7	72.0	108.0
131	89.5	69.8	104.6





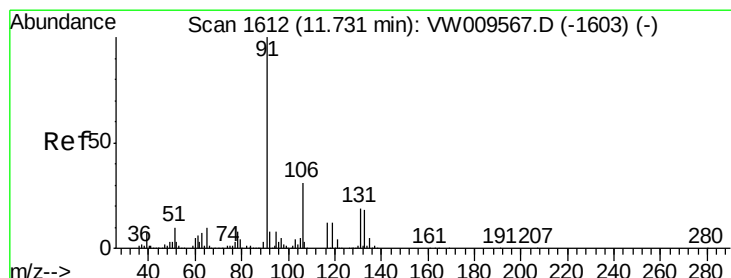
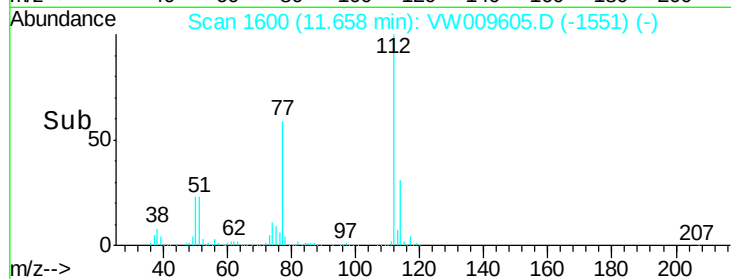
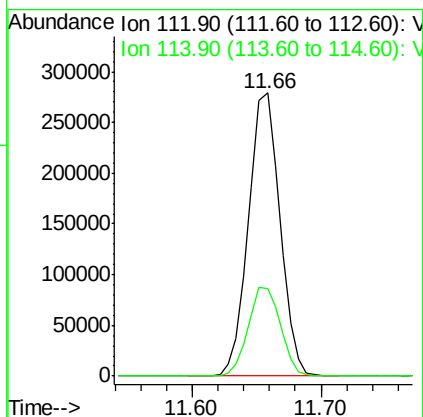
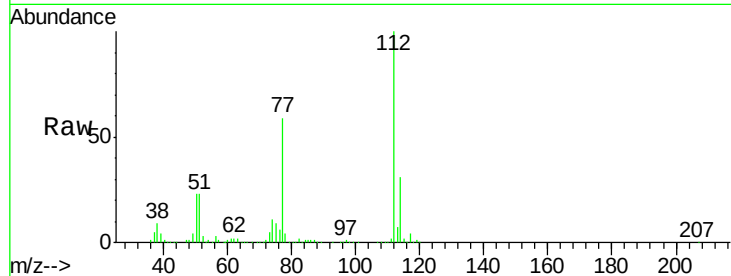
#65
Chlorobenzene
Concen: 51.438 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 471004
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4

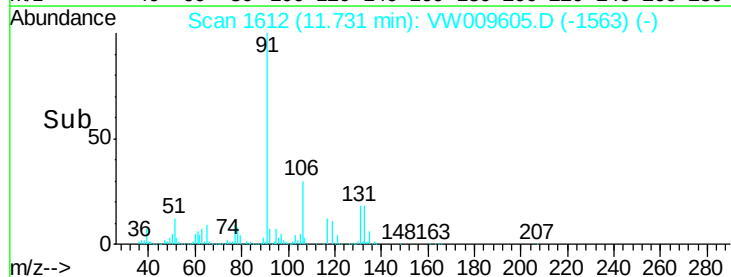
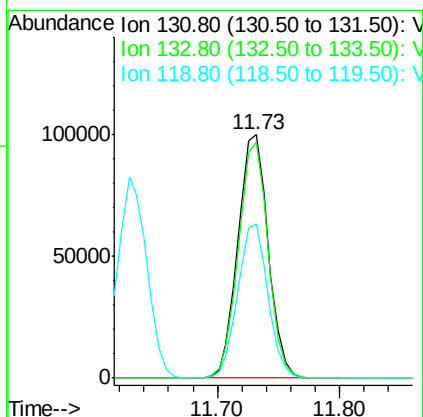
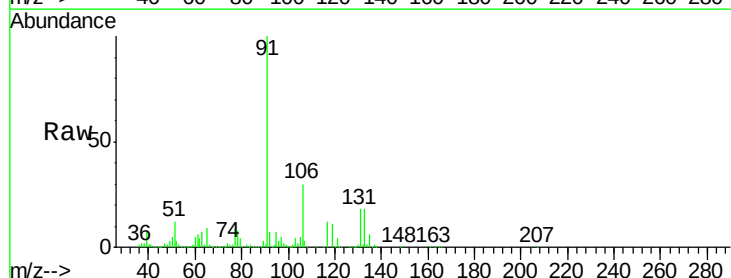
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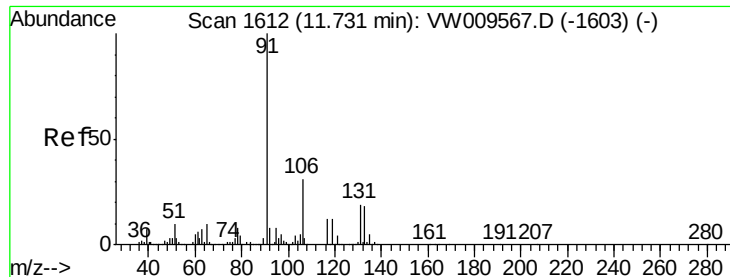
MMDadoda
4/1/2019 5:30:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.382 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion:131 Resp: 171426
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 63.0 31.6 95.0





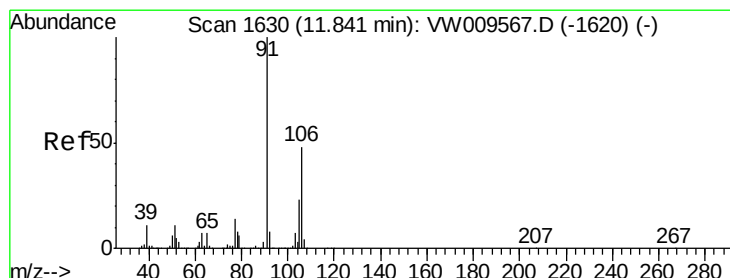
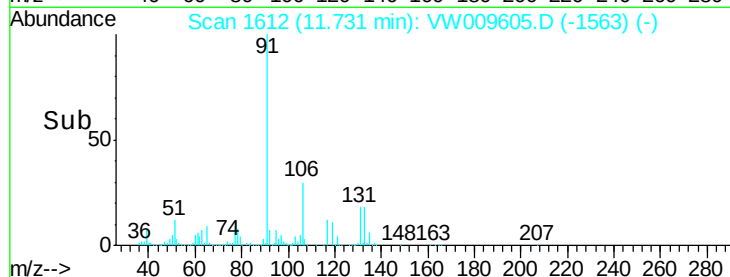
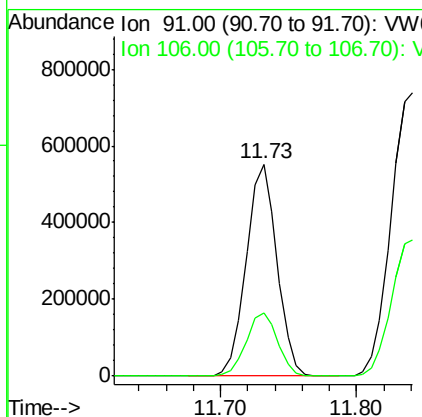
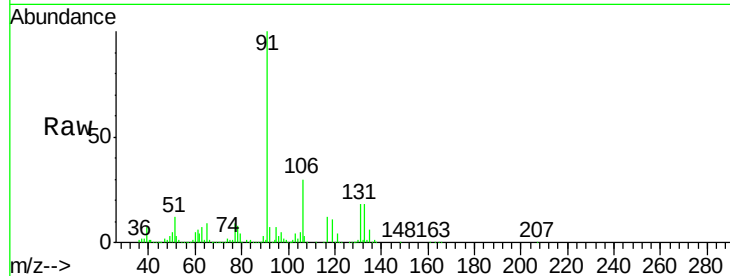
#67
Ethyl Benzene
Concen: 54.189 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.7	24.6	36.8	

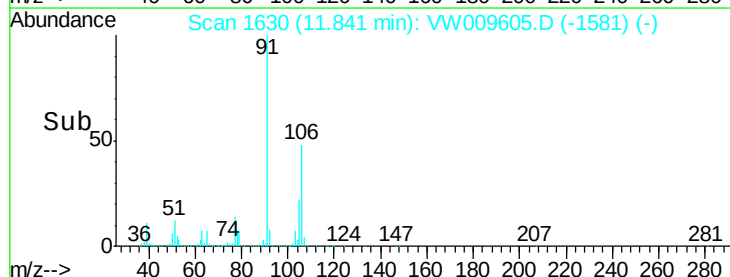
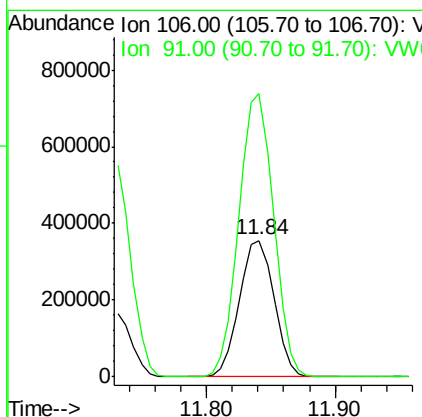
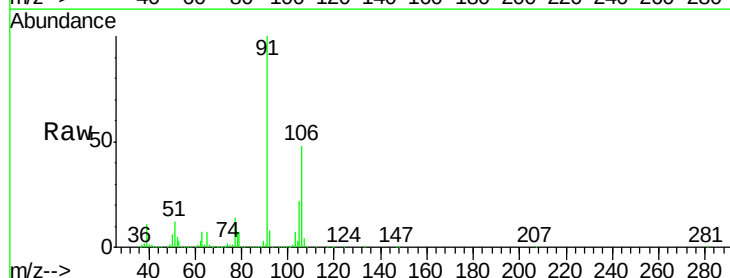
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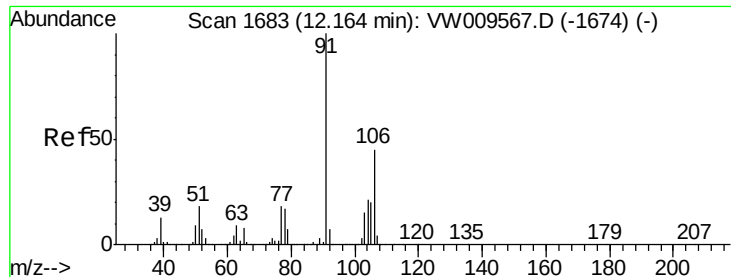
MMDadoda
4/1/2019 5:30:15 PM



#68
m/p-Xylenes
Concen: 108.459 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.6	163.1	244.7	





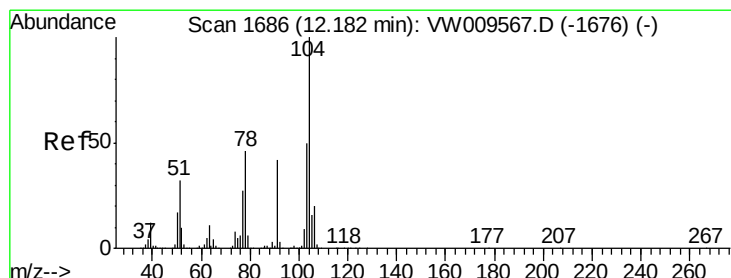
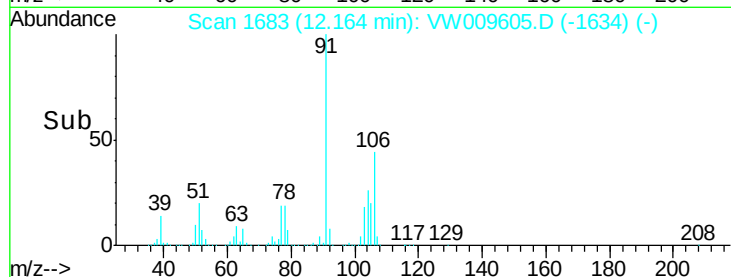
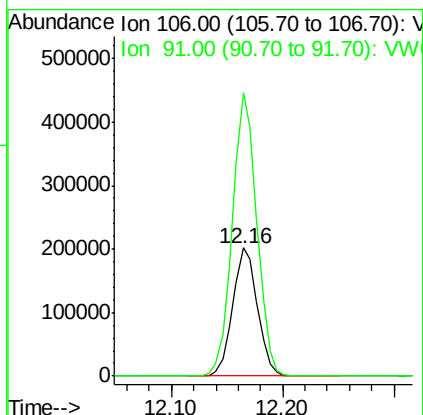
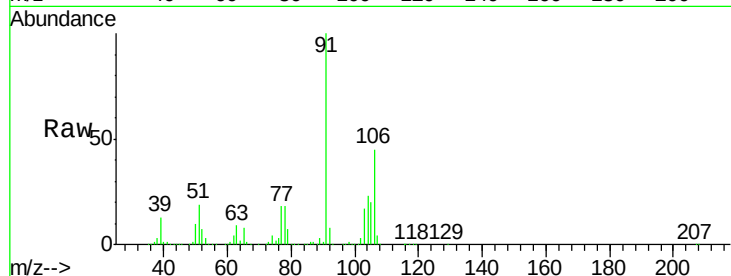
#69
o-Xylene
Concen: 54.382 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
310221	106	100			
	91	217.9	108.6	325.8	

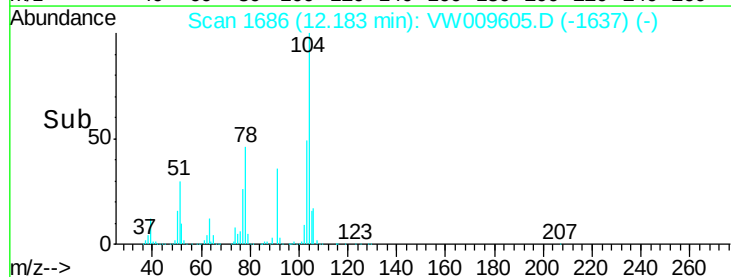
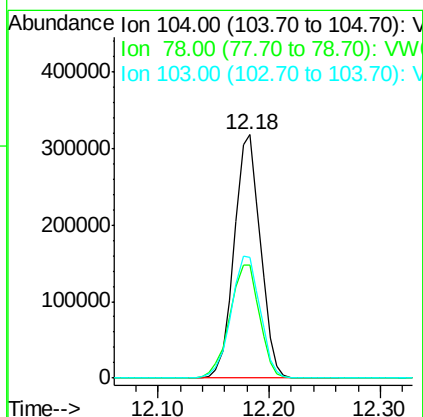
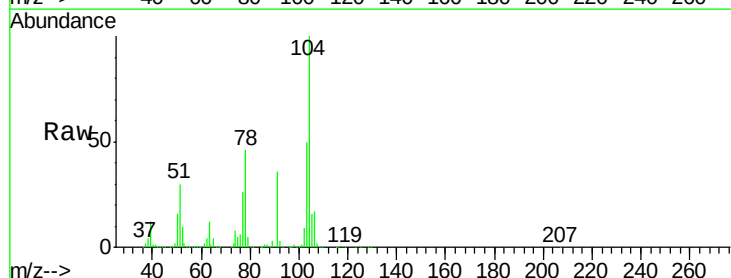
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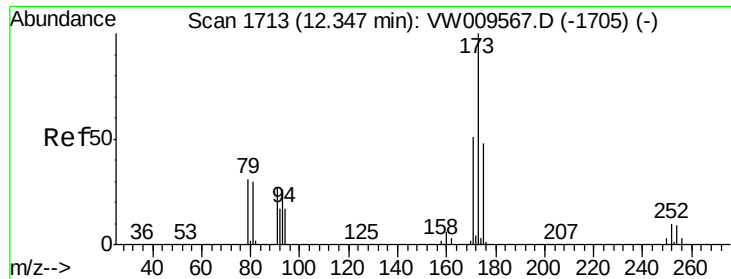
MMDadoda
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#70
Styrene
Concen: 54.392 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
518267	104	100			
	78	52.9	42.2	63.4	
	103	55.6	44.6	66.8	





#71

Bromoform

Concen: 49.564 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 88989

Ion Ratio Lower Upper

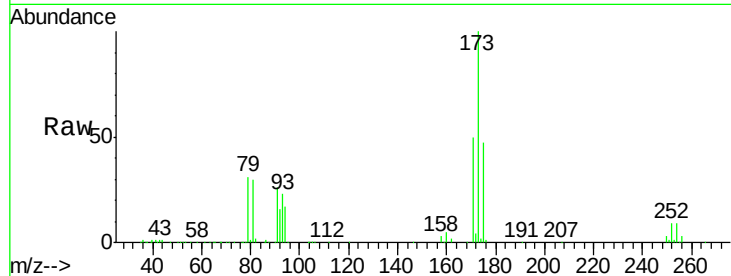
173 100

175 48.7 24.1 72.4

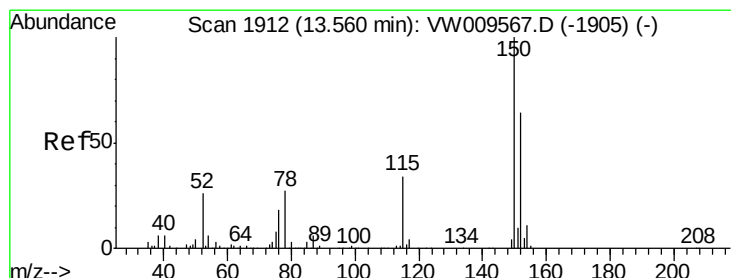
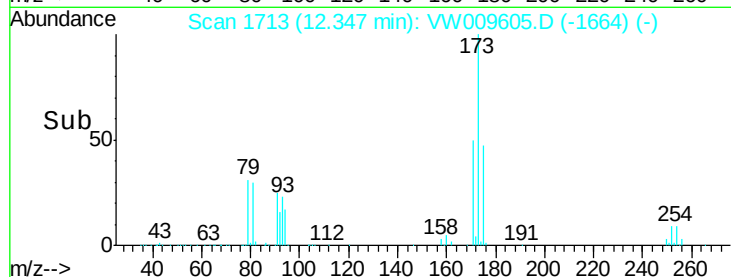
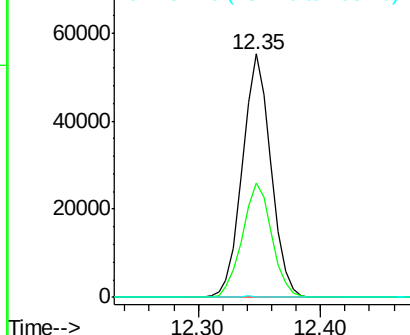
254 0.2 0.2 0.4

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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: VW009605.D

Acq: 31 Mar 2019 11:42

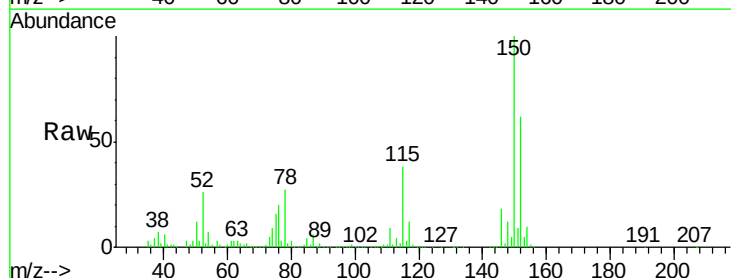
Tgt Ion:152 Resp: 239613

Ion Ratio Lower Upper

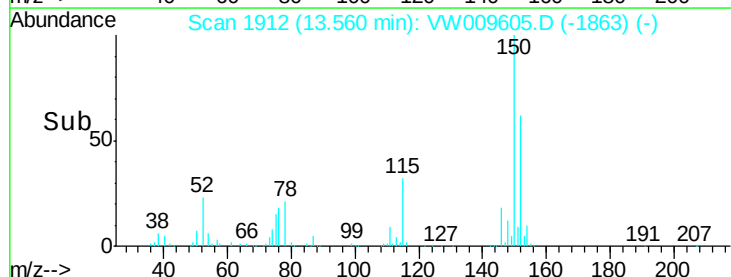
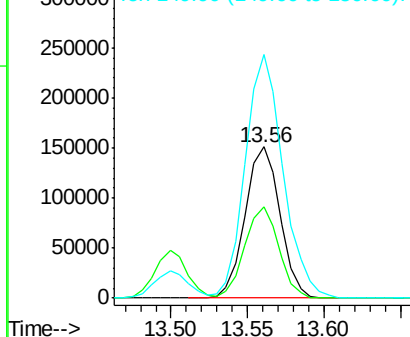
152 100

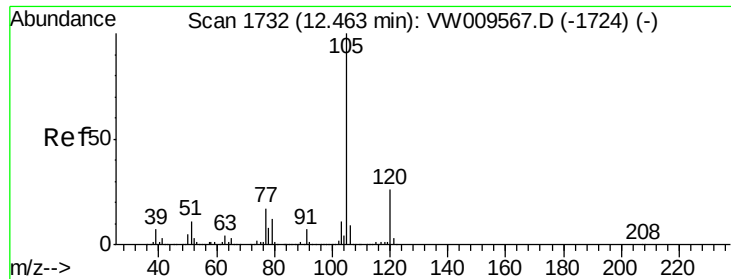
115 59.3 29.6 88.8

150 174.7 0.0 349.2



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: 53.779 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 896770

Ion Ratio Lower Upper

105 100

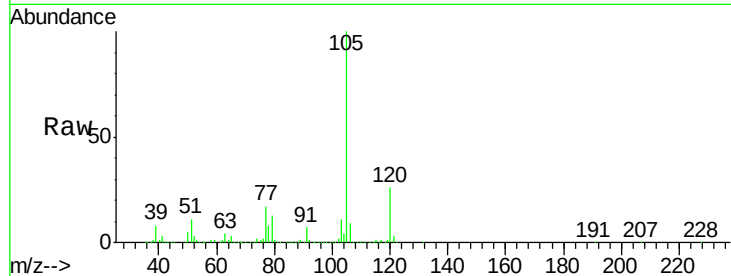
120 26.1 13.0 39.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

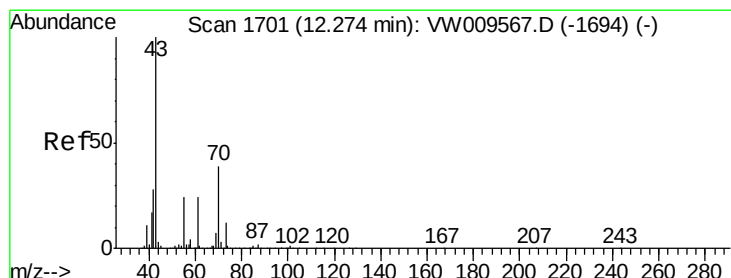
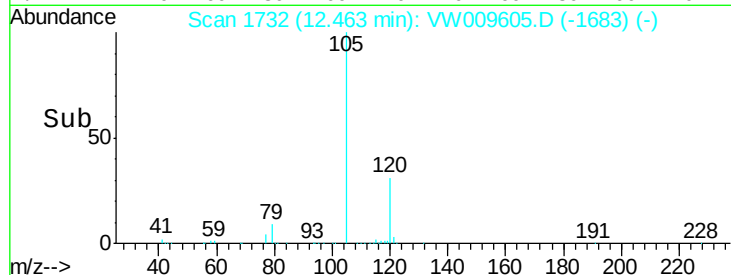
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 48.775 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tgt Ion: 43 Resp: 214414

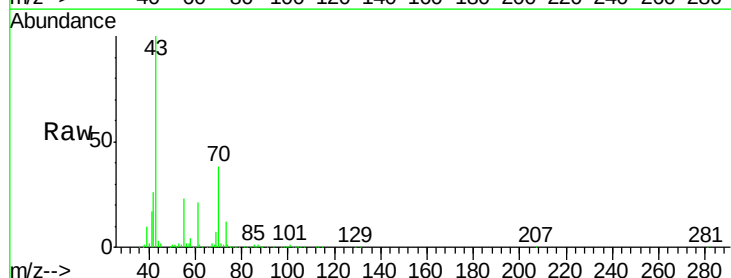
Ion Ratio Lower Upper

43 100

70 38.3 30.6 46.0

55 24.4 19.3 28.9

61 21.5 17.0 25.4



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

200000

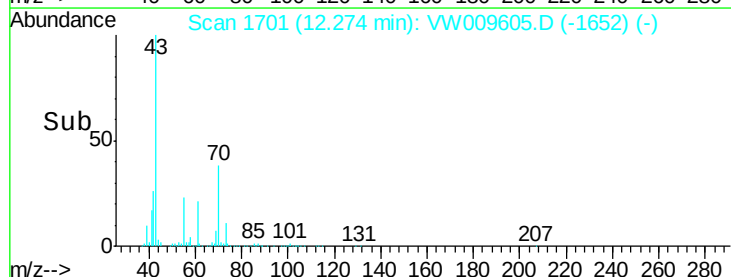
150000

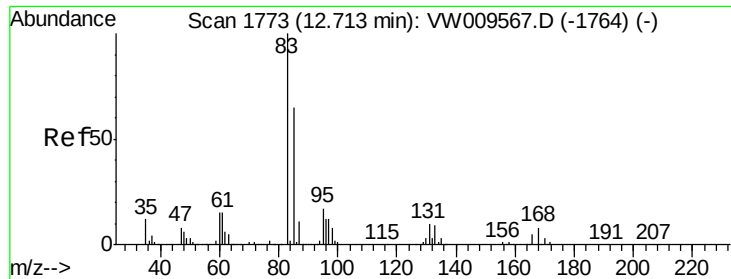
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.098 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

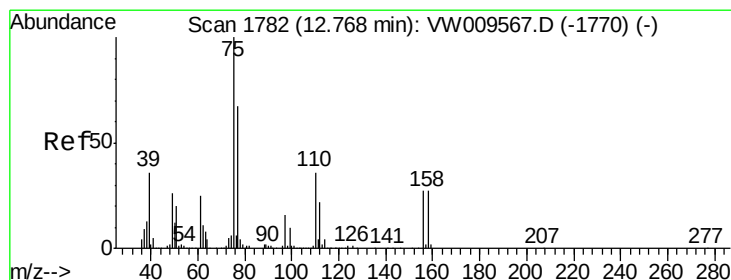
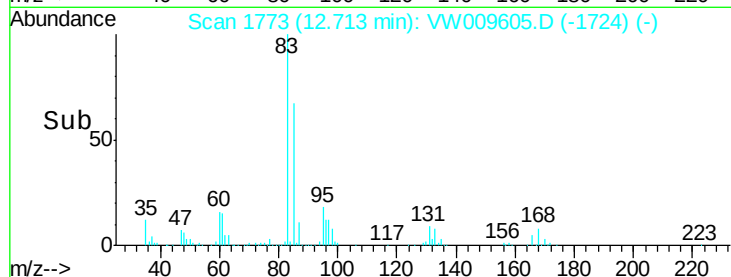
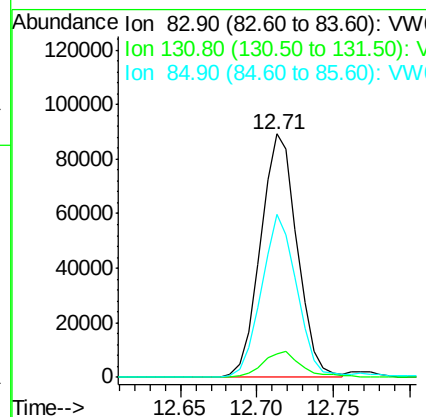
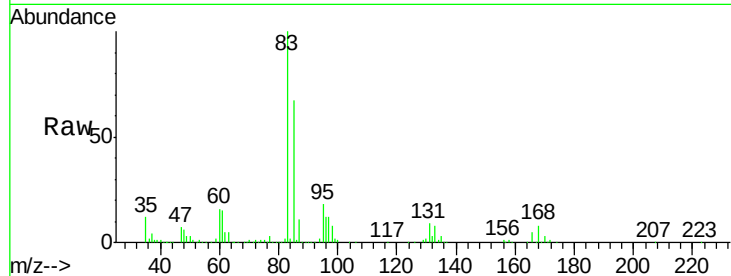
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	148523
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	65.1	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 47.241 ug/l m

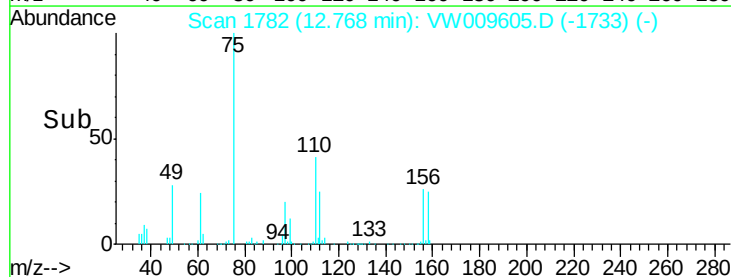
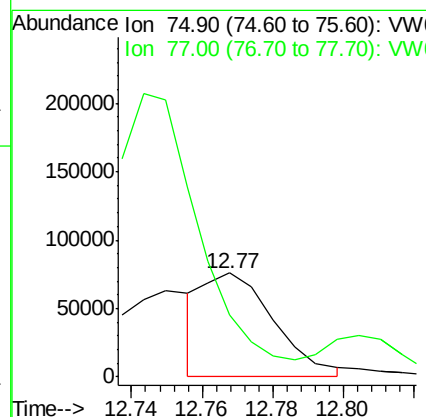
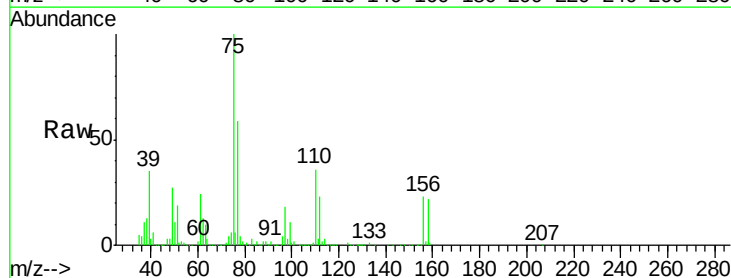
RT: 12.77 min Scan# 1782

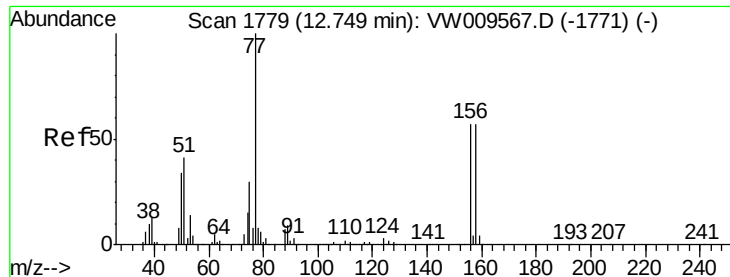
Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tgt Ion:	75	Resp:	106447
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.669 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

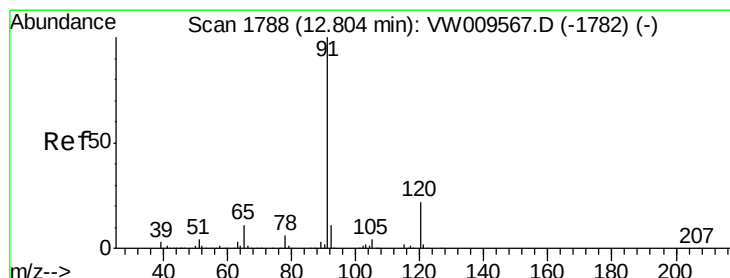
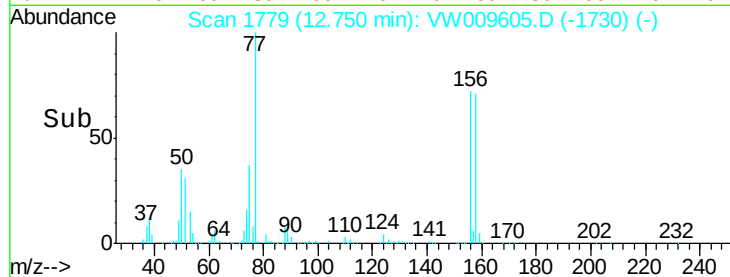
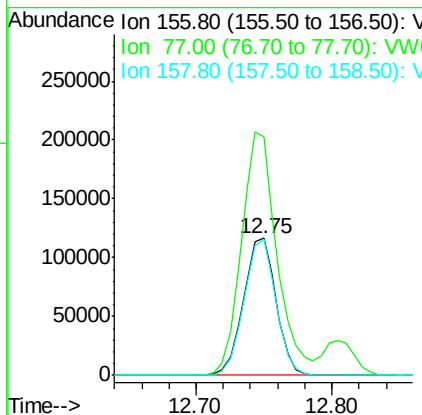
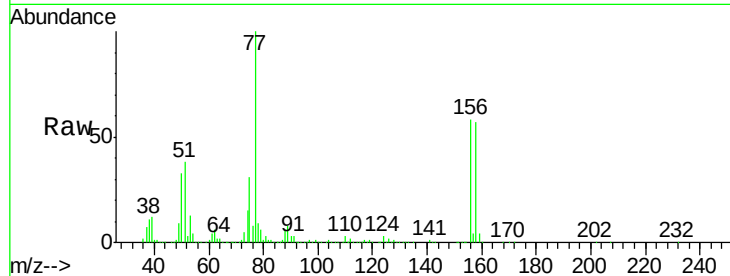
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.7	96.0	288.0
158	97.5	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 54.758 ug/l

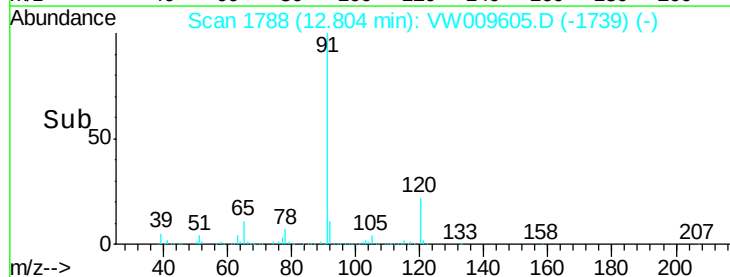
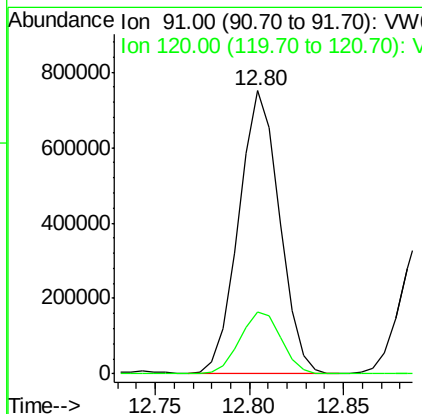
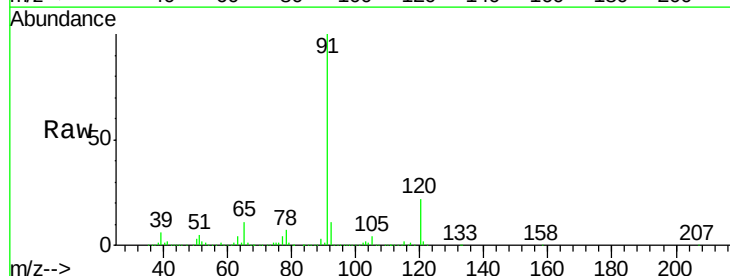
RT: 12.80 min Scan# 1788

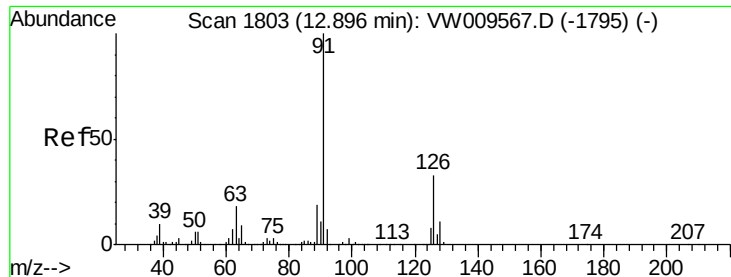
Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





#79

2-Chlorotoluene

Concen: 52.472 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 613164

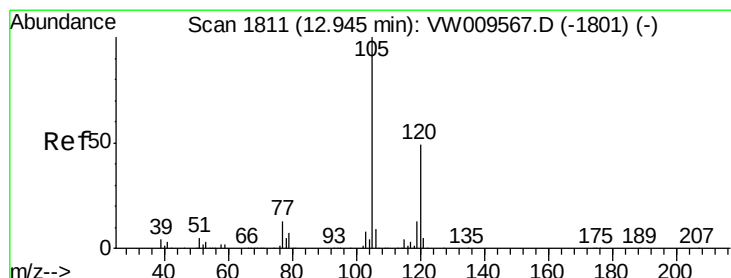
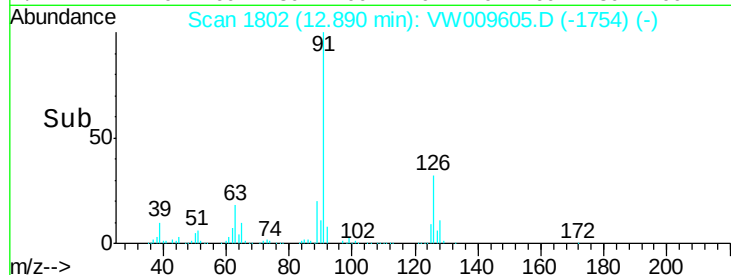
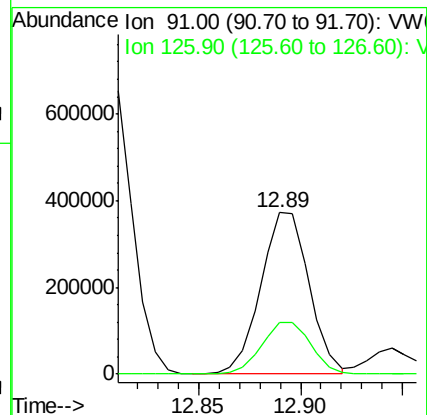
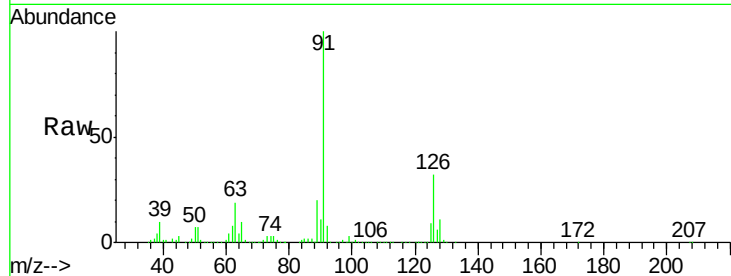
Ion Ratio Lower Upper

91 100

126 33.0 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 54.354 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009605.D

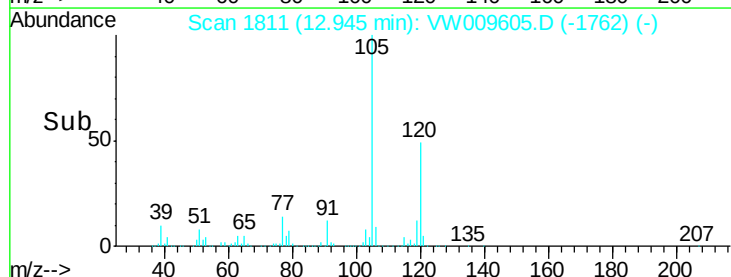
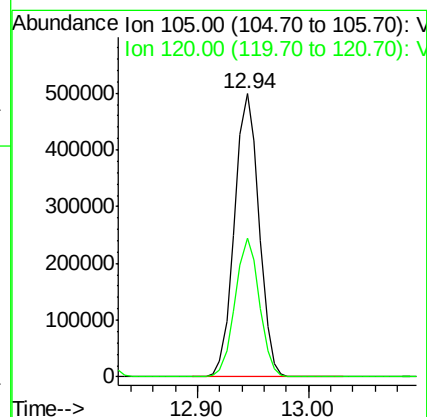
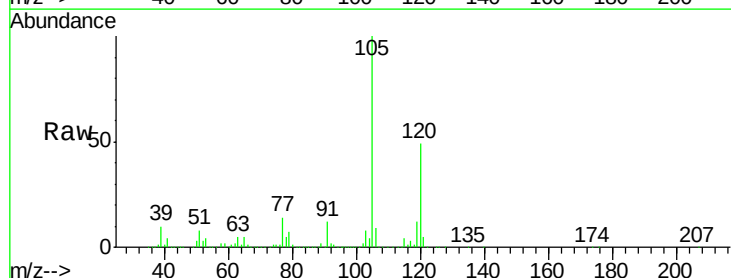
Acq: 31 Mar 2019 11:42

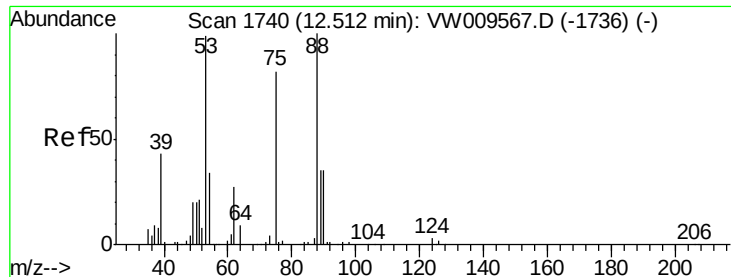
Tgt Ion:105 Resp: 763289

Ion Ratio Lower Upper

105 100

120 48.3 24.6 74.0





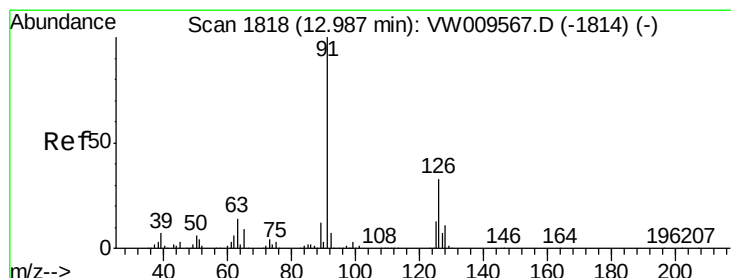
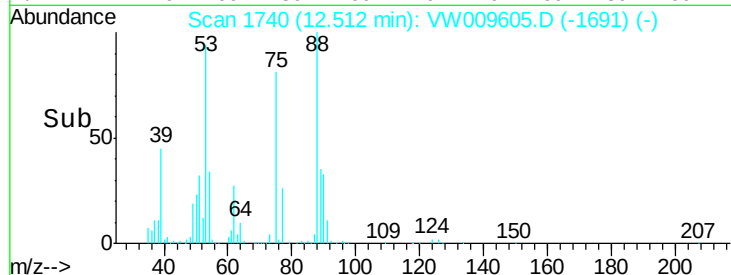
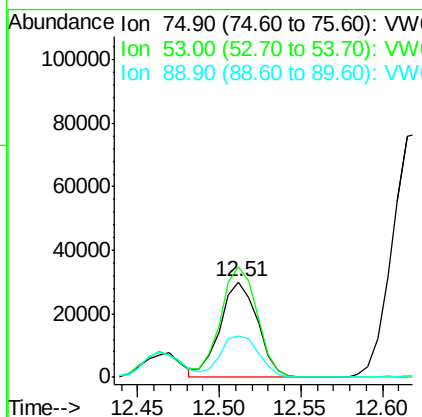
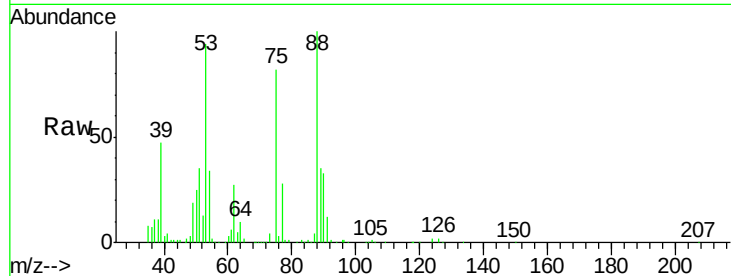
#81
trans-1,4-Dichloro-2-butene
Concen: 49.435 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.9	86.7	130.1
89	45.0	36.4	54.6

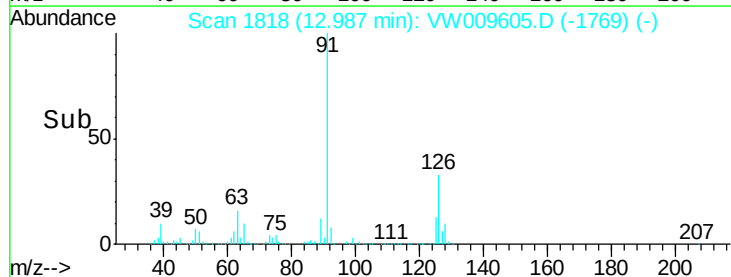
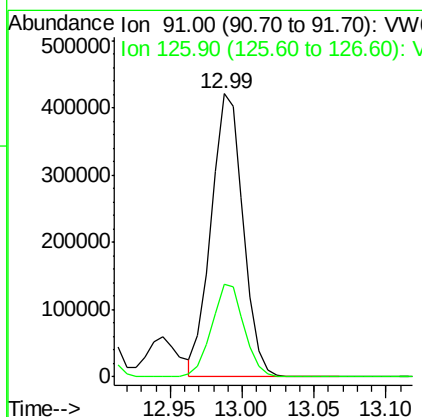
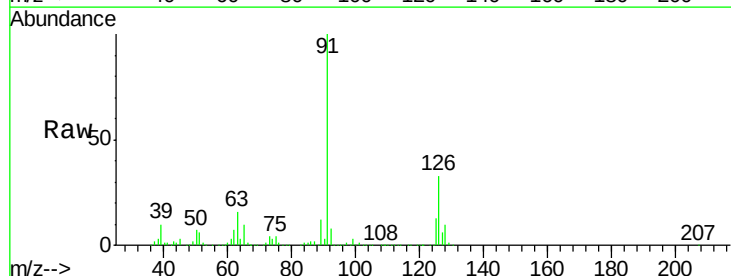
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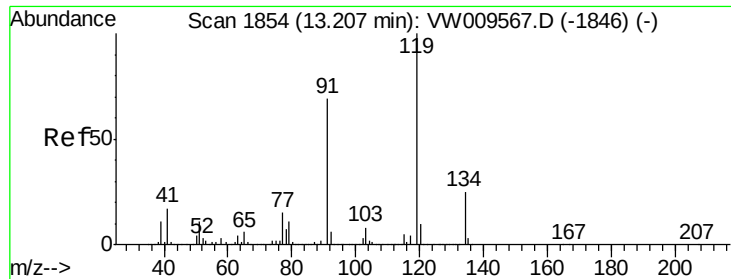
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#82
4-Chlorotoluene
Concen: 53.014 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.9	50.6





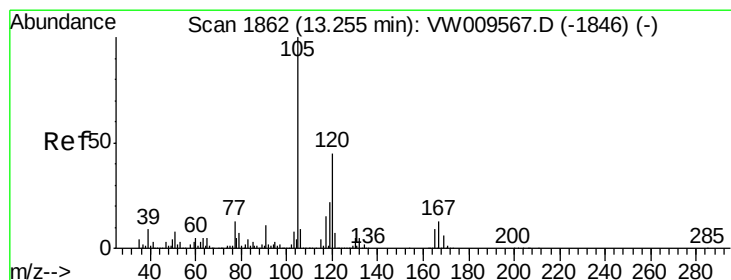
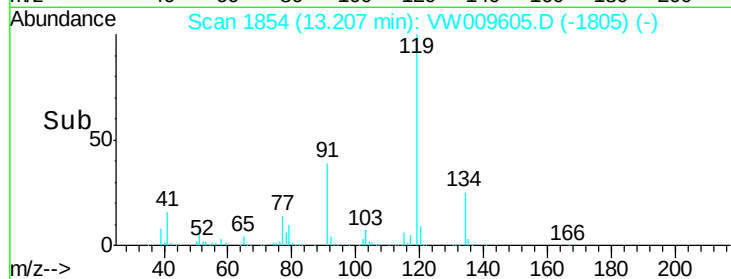
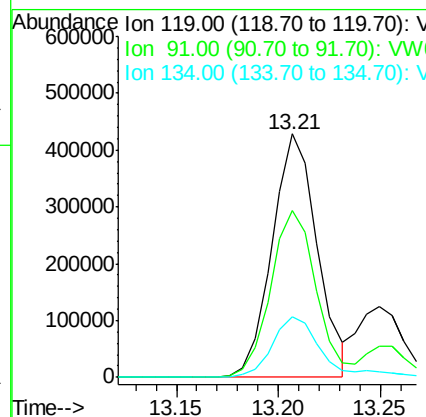
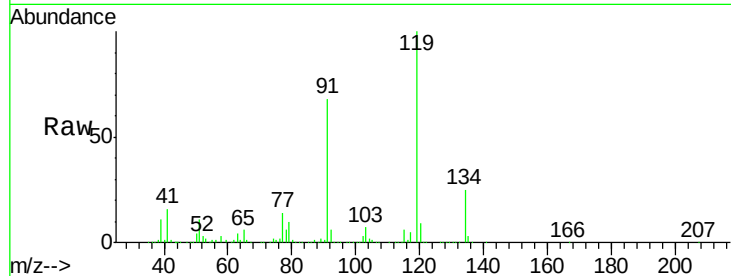
#83
 tert-Butylbenzene
 Concen: 55.418 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.6	34.4	103.2
134	27.2	12.7	38.1

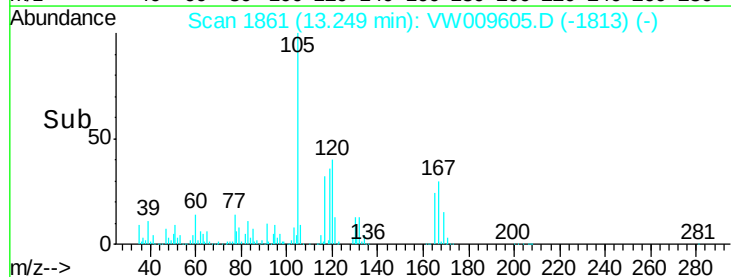
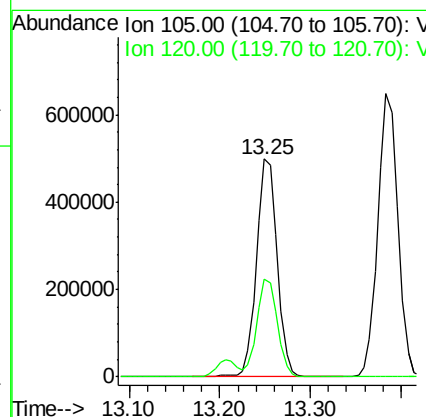
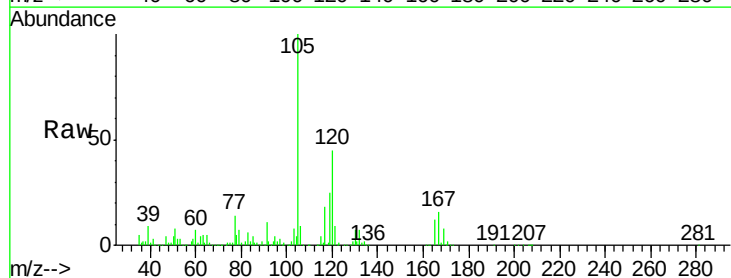
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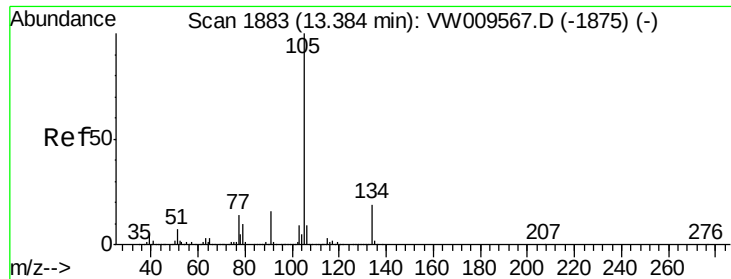
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.403 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.8	68.3





#85

sec-Butylbenzene

Concen: 55.082 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 993405

Ion Ratio Lower Upper

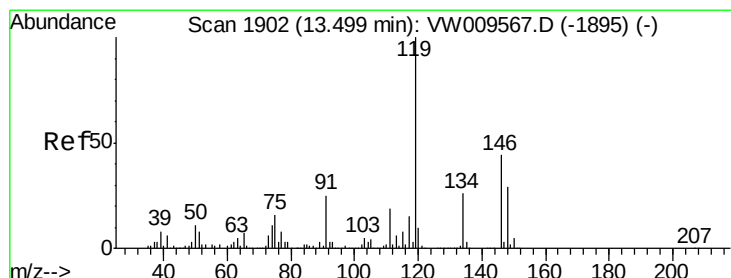
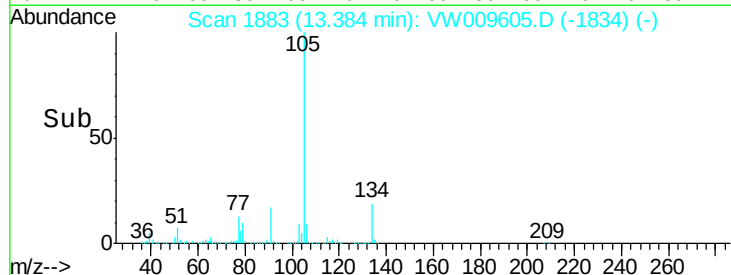
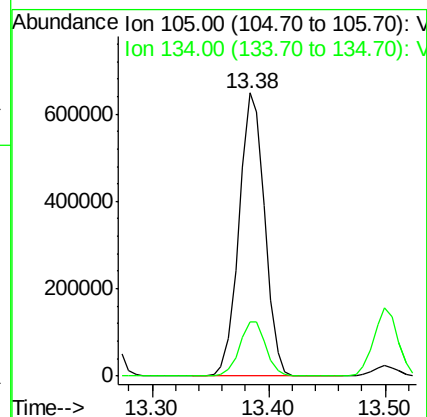
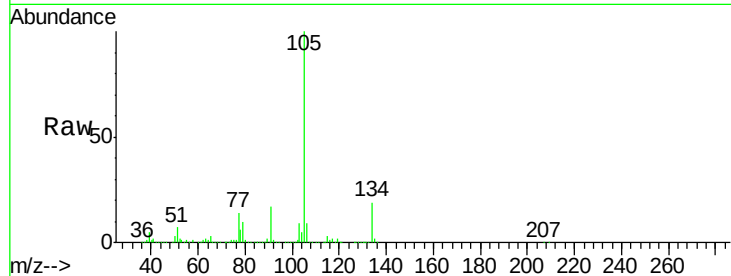
105 100

134 19.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 55.563 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009605.D

Acq: 31 Mar 2019 11:42

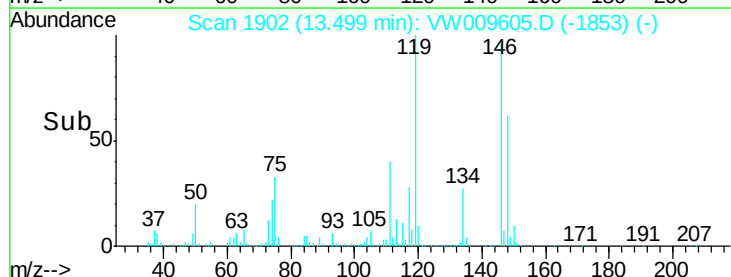
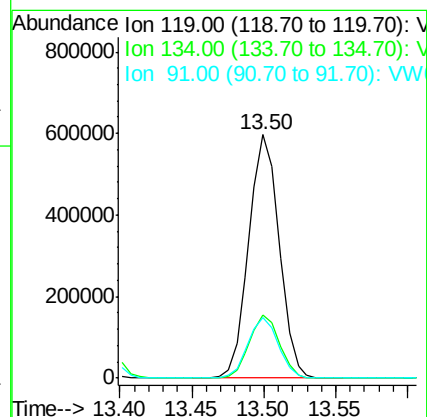
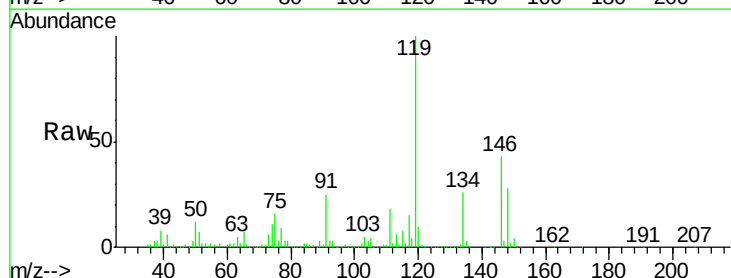
Tgt Ion:119 Resp: 871598

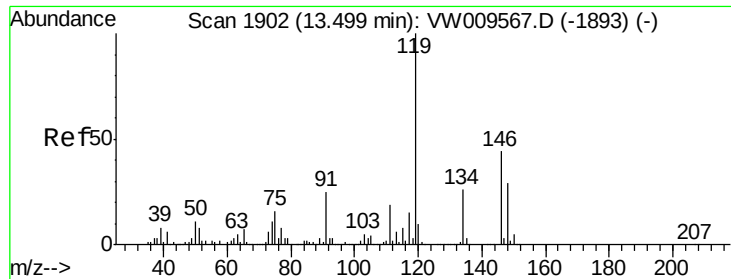
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

91 24.7 12.3 36.8





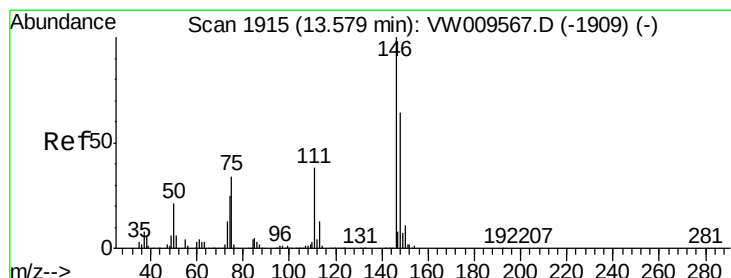
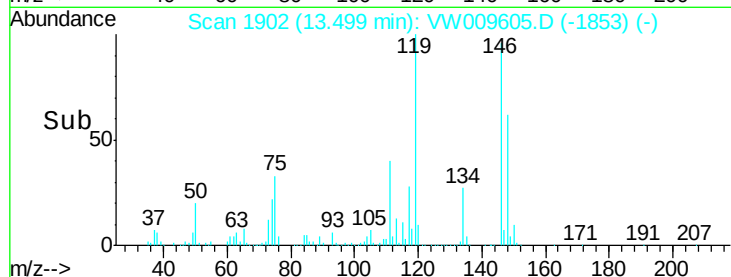
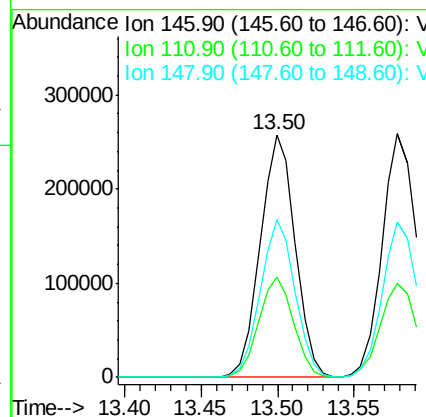
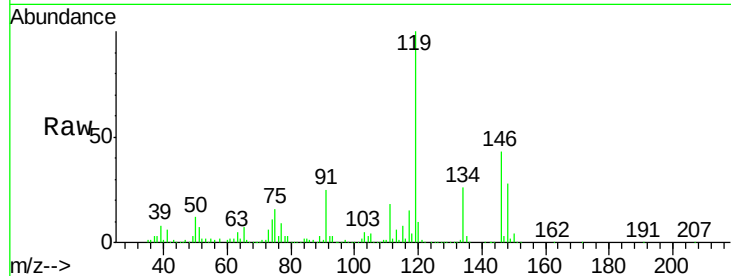
#87
 1,3-Dichlorobenzene
 Concen: 51.592 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	409063		
111	41.2	20.1	60.2	
148	64.5	31.4	94.3	

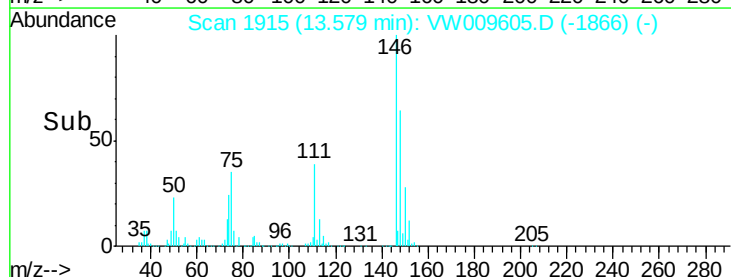
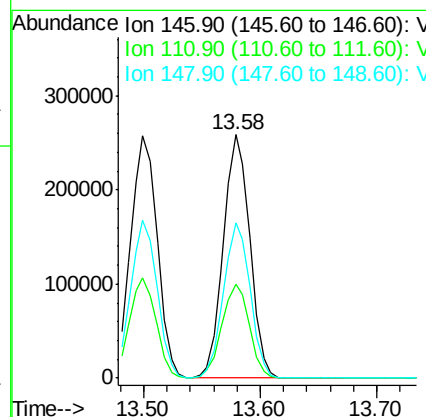
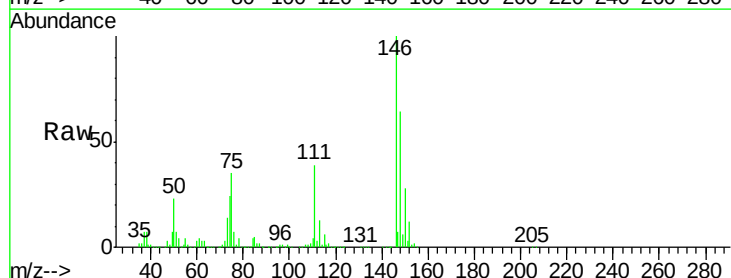
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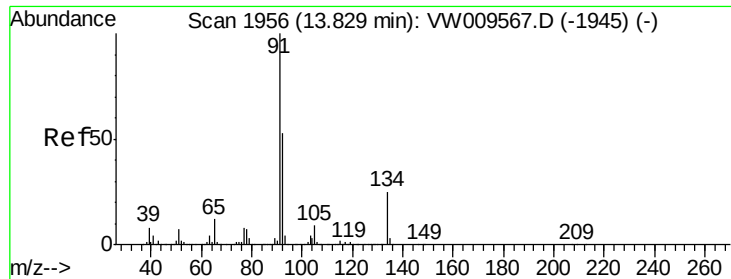
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#88
 1,4-Dichlorobenzene
 Concen: 51.137 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	404973		
111	40.0	19.9	59.6	
148	64.3	32.2	96.6	





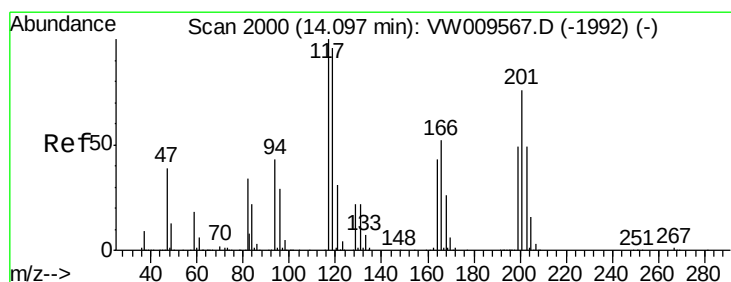
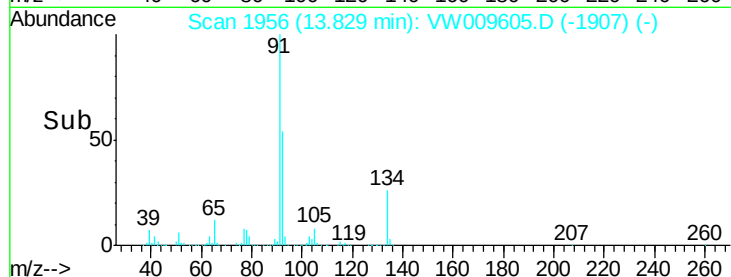
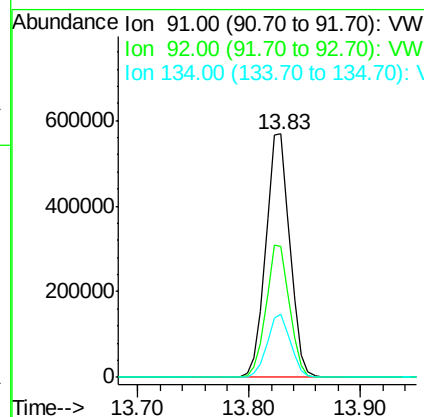
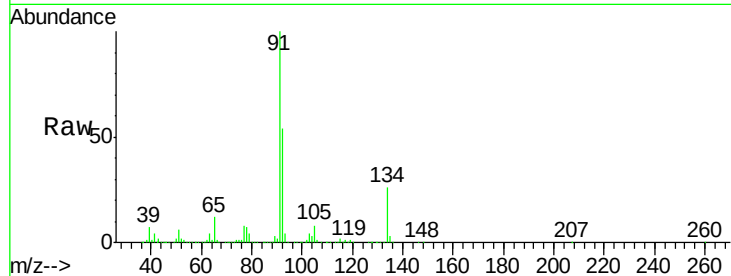
#89
n-Butylbenzene
Concen: 55.376 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.0
134	25.3	12.9	38.6

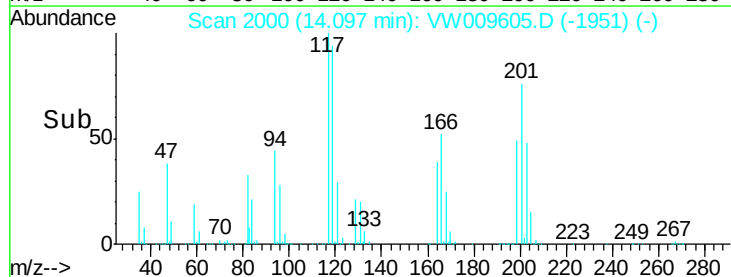
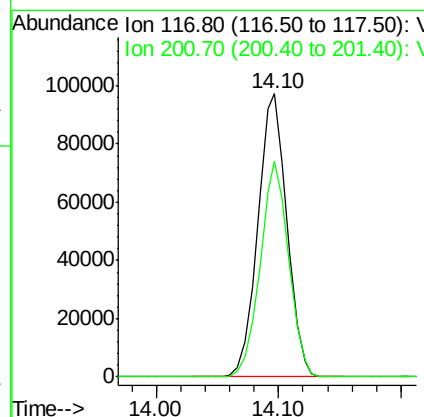
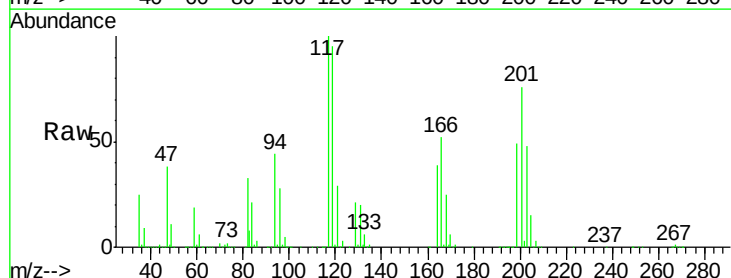
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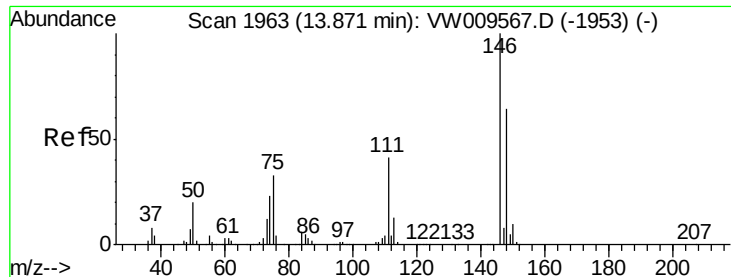
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#90
Hexachloroethane
Concen: 53.577 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	38.2	114.6





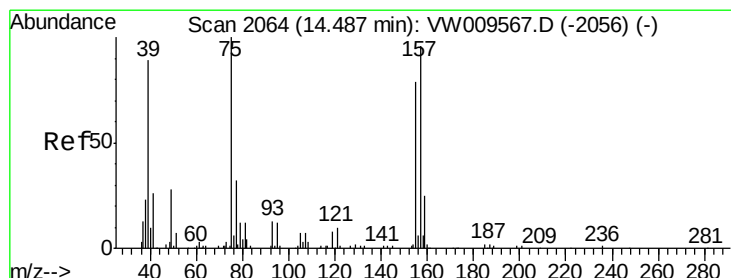
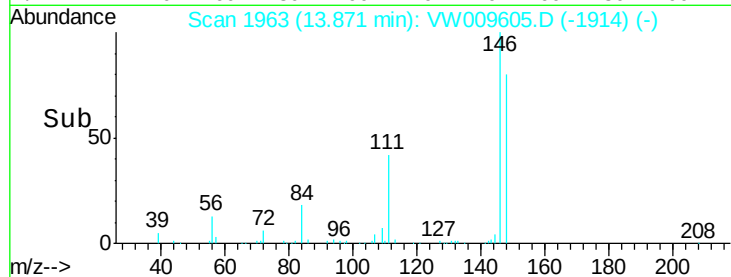
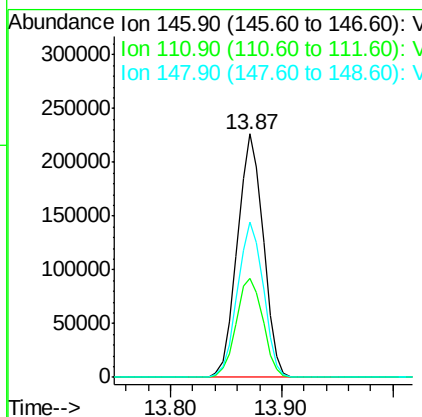
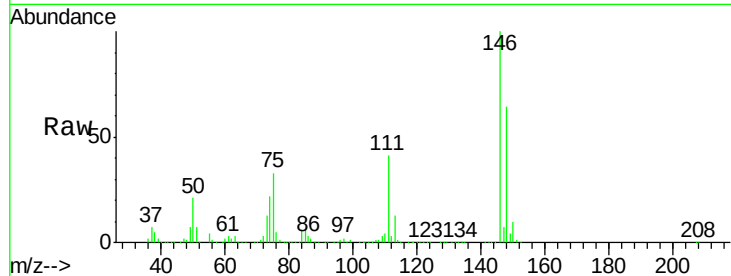
#91
 1,2-Dichlorobenzene
 Concen: 51.453 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.4	61.2
148	64.0	31.9	95.9

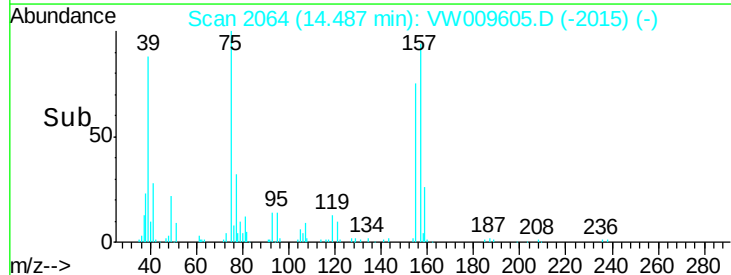
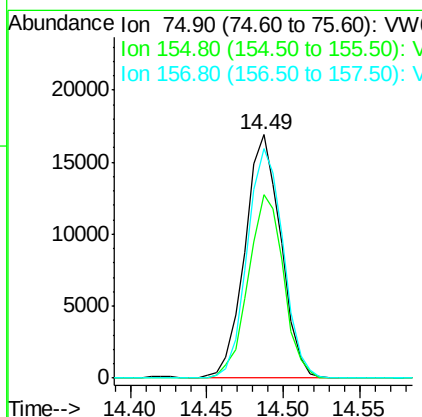
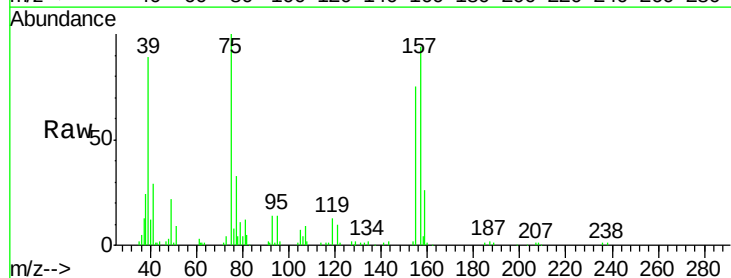
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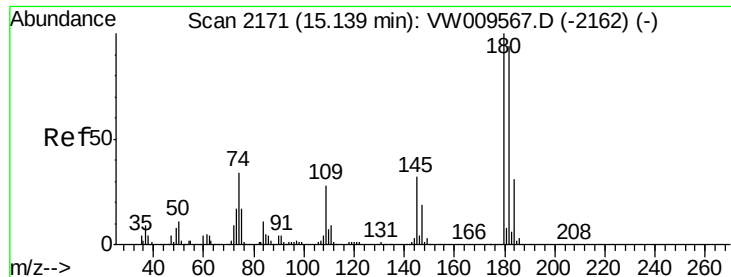
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.995 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	39.3	117.8
157	94.2	49.5	148.5





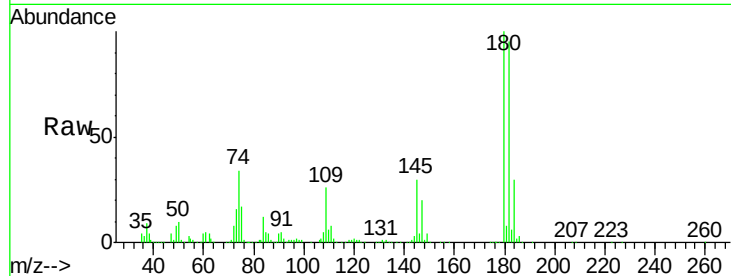
#93
 1,2,4-Trichlorobenzene
 Concen: 54.268 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

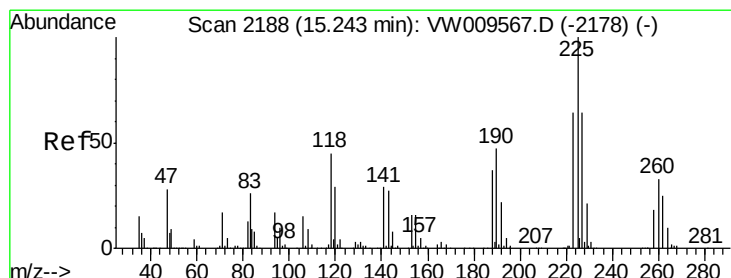
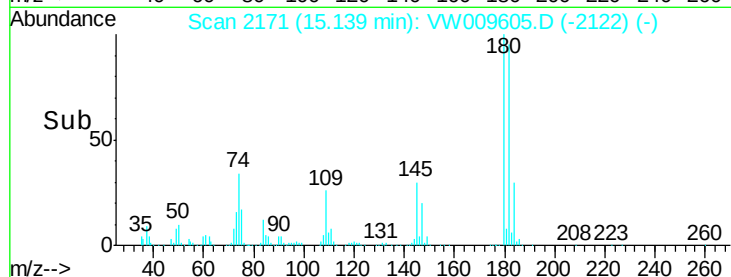
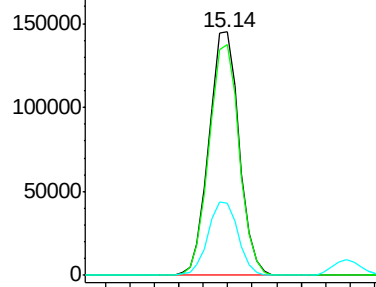
Tot Ion	Ratio	Resp	Lower	Upper
180	100	247788		
182	94.5	47.9	143.7	
145	30.0	15.0	45.0	

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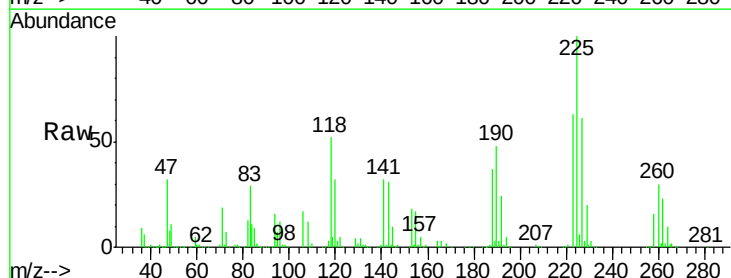


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

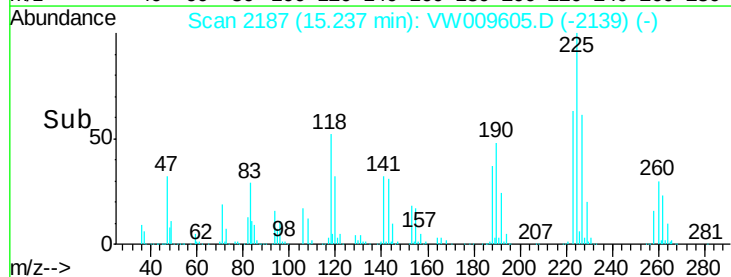
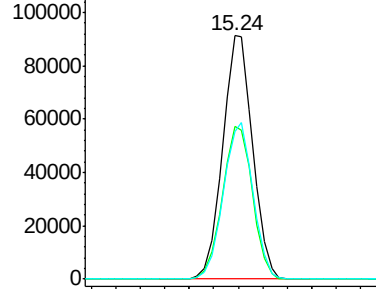


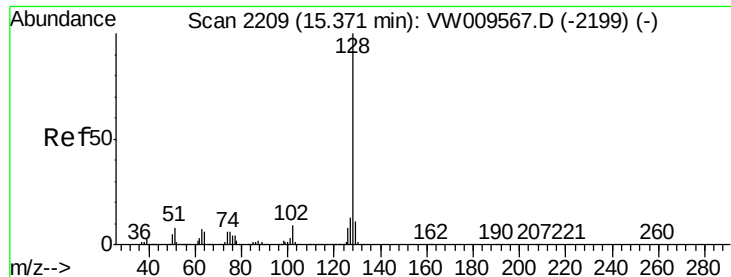
#94
 Hexachlorobutadiene
 Concen: 53.127 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009605.D
 Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155785		
223	63.0	31.4	94.3	
227	63.2	32.1	96.5	



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





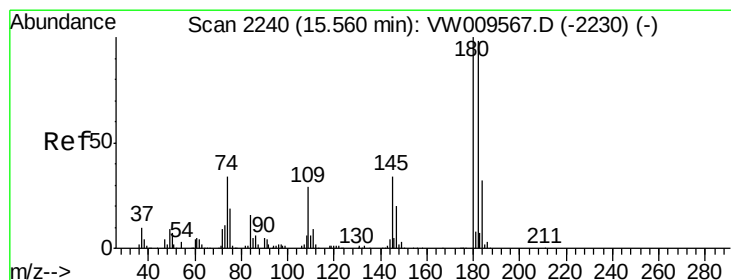
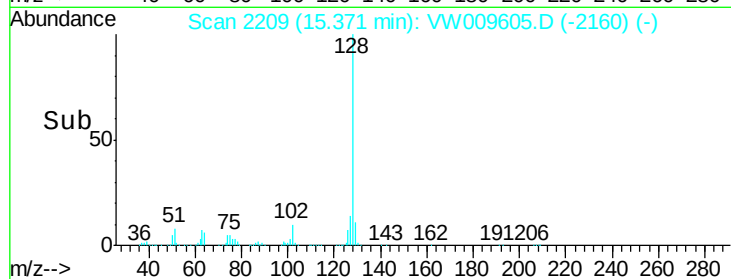
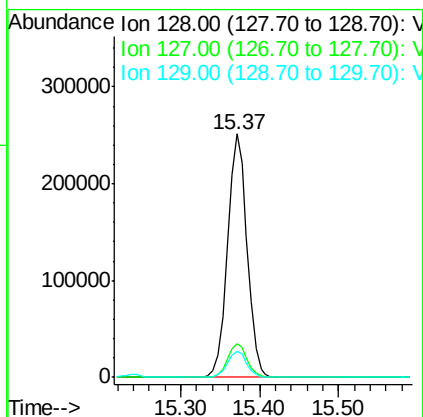
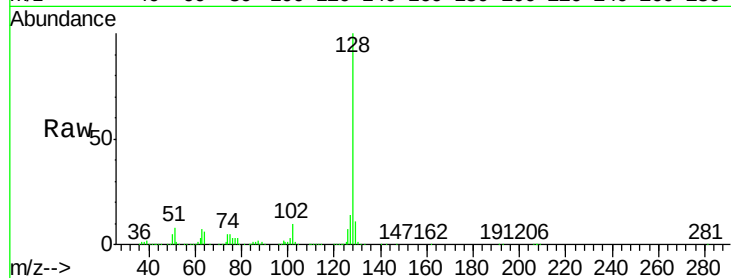
#95
Naphthalene
Concen: 46.469 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 5:30:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.145 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009605.D
Acq: 31 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	141.9
145	32.2	16.0	48.0

