

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009235.D
 Acq On : 19 Mar 2019 11:51
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:52:59 AM

Quant Time: Mar 20 07:12:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	462562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228972	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	61175	18.75	ug/l	0.00
Spiked Amount			Recovery	=	37.50%	
35) Dibromofluoromethane	7.88	113	57035	19.44	ug/l	0.00
Spiked Amount			Recovery	=	38.88%	
50) Toluene-d8	10.32	98	206893	19.40	ug/l	0.00
Spiked Amount			Recovery	=	38.80%	
62) 4-Bromofluorobenzene	12.62	95	75151	19.19	ug/l	0.00
Spiked Amount			Recovery	=	38.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	43712	20.307	ug/l	96
3) Chloromethane	2.21	50	44926	20.200	ug/l	98
4) Vinyl Chloride	2.37	62	68052	20.847	ug/l	98
5) Bromomethane	2.78	94	56705	21.301	ug/l	96
6) Chloroethane	2.92	64	53025	20.937	ug/l	100
7) Trichlorofluoromethane	3.25	101	42839	20.033	ug/l	99
8) Diethyl Ether	3.67	74	30475	19.761	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	60793	19.625	ug/l	96
10) Methyl Iodide	4.27	142	90817	20.338	ug/l	98
11) Tert butyl alcohol	5.17	59	17550	92.676	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	59533	20.331	ug/l	98
13) Acrolein	3.89	56	13840	89.493	ug/l	97
14) Allyl chloride	4.66	41	83196	19.273	ug/l	96
15) Acrylonitrile	5.36	53	60797	93.804	ug/l	99
16) Acetone	4.12	43	61222	91.436	ug/l	92
17) Carbon Disulfide	4.38	76	170382	20.872	ug/l #	95
18) Methyl Acetate	4.66	43	29967	17.439	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	70779	19.695	ug/l	98
20) Methylene Chloride	4.92	84	61229	19.585	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	61643	20.462	ug/l	96
22) Diisopropyl ether	6.31	45	182075	19.565	ug/l	99
23) Vinyl Acetate	6.25	43	572062	97.971	ug/l	99
24) 1,1-Dichloroethane	6.21	63	114054	19.858	ug/l	97
25) 2-Butanone	7.17	43	89459	93.244	ug/l	99
26) 2,2-Dichloropropane	7.16	77	64687	20.157	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	65729	20.139	ug/l	99
28) Bromochloromethane	7.51	49	50795	20.163	ug/l #	100
29) Tetrahydrofuran	7.53	42	58000	95.110	ug/l	100
30) Chloroform	7.67	83	119702	20.031	ug/l	99
31) Cyclohexane	7.95	56	105710	19.742	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	95037	19.924	ug/l	100
36) 1,1-Dichloropropene	8.08	75	93647	20.345	ug/l	99
37) Ethyl Acetate	7.26	43	40360	19.215	ug/l	98
38) Carbon Tetrachloride	8.06	117	97644	20.045	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	105554	19.821	ug/l	97
40) Benzene	8.32	78	252633	20.240	ug/l	98
41) Methacrylonitrile	7.48	41	20083	17.740	ug/l	96
42) 1,2-Dichloroethane	8.40	62	80619	19.758	ug/l	100
43) Isopropyl Acetate	8.42	43	79616	18.930	ug/l	99
44) Trichloroethene	9.09	130	67560	19.758	ug/l	99
45) 1,2-Dichloropropane	9.37	63	62350	19.650	ug/l	97
46) Dibromomethane	9.46	93	34929	20.018	ug/l	98
47) Bromodichloromethane	9.64	83	87182	19.772	ug/l	97
48) Methyl methacrylate	9.43	41	36222	18.602	ug/l	94
49) 1,4-Dioxane	9.45	88	11062	408.731	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	206513	94.216	ug/l	99
52) Toluene	10.38	92	160348	20.274	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	80691	18.766	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	93524	19.334	ug/l	97
55) 1,1,2-Trichloroethane	10.78	97	46849	19.828	ug/l	97
56) Ethyl methacrylate	10.65	69	52272	18.580	ug/l	99
57) 1,3-Dichloropropane	10.93	76	78606	19.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	136623	165.966	ug/l	100
59) 2-Hexanone	10.97	43	138881	93.328	ug/l	99
60) Dibromochloromethane	11.13	129	56062	19.205	ug/l	97
61) 1,2-Dibromoethane	11.23	107	43814	19.470	ug/l	99
64) Tetrachloroethene	10.86	164	58551	20.314	ug/l	97
65) Chlorobenzene	11.66	112	172947	19.870	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	64899	19.962	ug/l	99
67) Ethyl Benzene	11.73	91	298381	19.792	ug/l	100
68) m/p-Xylenes	11.84	106	233892	40.026	ug/l	99
69) o-Xylene	12.17	106	110422	20.349	ug/l	94
70) Styrene	12.18	104	177919	19.886	ug/l	99
71) Bromoform	12.35	173	33801	19.034	ug/l #	96
73) Isopropylbenzene	12.46	105	304345	19.886	ug/l	99
74) N-amyl acetate	12.27	43	73210	18.339	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	54152	18.916	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	37773m	16.316	ug/l	
77) Bromobenzene	12.75	156	71482	19.719	ug/l	98
78) n-propylbenzene	12.80	91	371545	19.767	ug/l	99
79) 2-Chlorotoluene	12.90	91	211172	19.777	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	261654	20.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15216	17.352	ug/l	91
82) 4-Chlorotoluene	12.99	91	221619	19.702	ug/l	98
83) tert-Butylbenzene	13.21	119	220155	19.794	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	267652	20.060	ug/l	99
85) sec-Butylbenzene	13.38	105	323811	19.702	ug/l	99
86) p-Isopropyltoluene	13.50	119	289690	19.794	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	148480	19.793	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	149576	20.025	ug/l	99
89) n-Butylbenzene	13.83	91	279091	19.866	ug/l	100
90) Hexachloroethane	14.10	117	57798	20.030	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	136700	20.322	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9847	19.210	ug/l	98

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ClientSampleId :
VSTDICC020

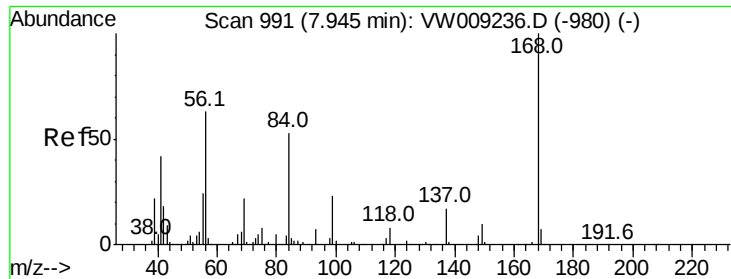
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	90371	20.004	ug/l	100
94) Hexachlorobutadiene	15.24	225	57901	20.151	ug/l	98
95) Naphthalene	15.37	128	148558	18.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	79264	19.656	ug/l	99

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



#1

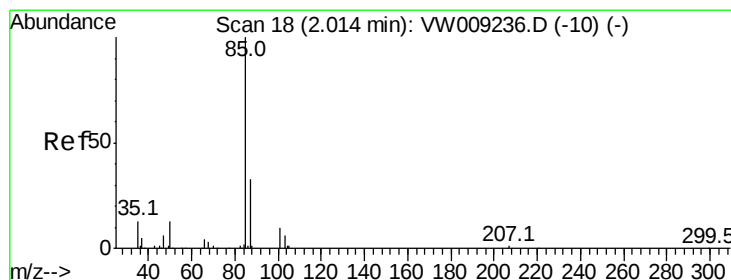
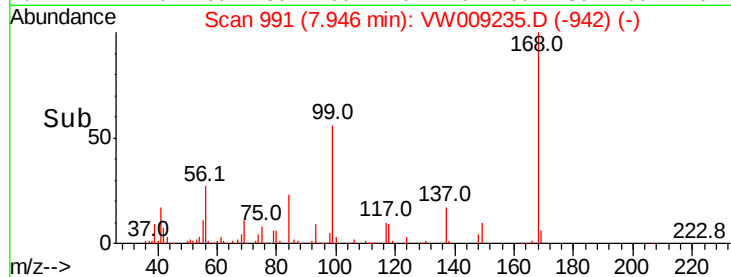
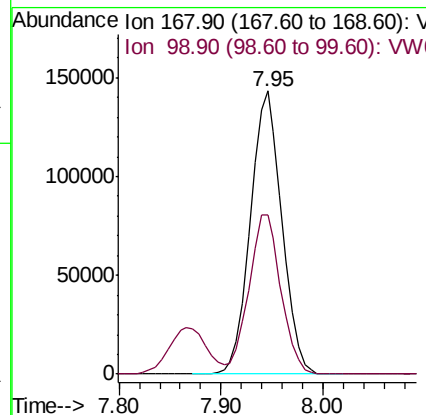
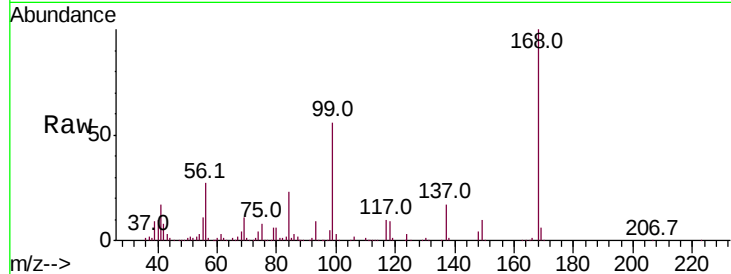
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.5	45.4	68.0

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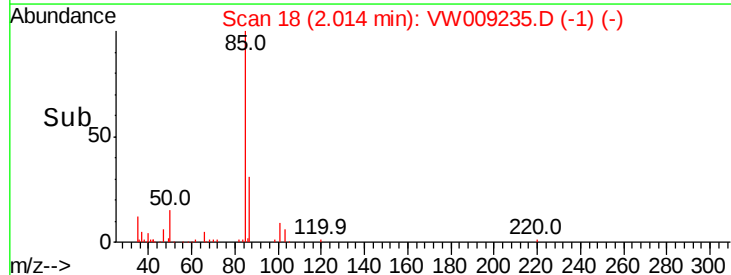
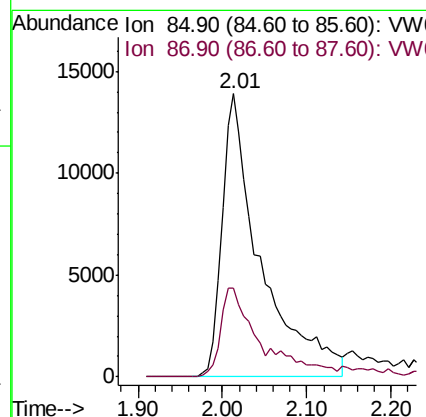
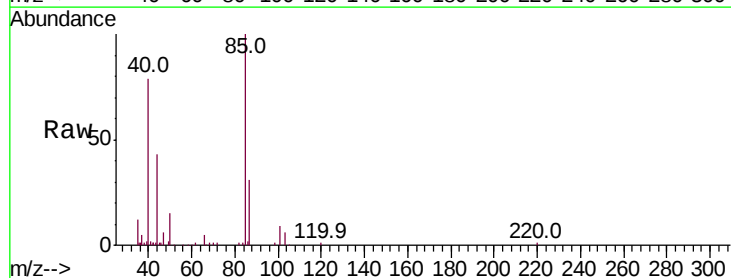
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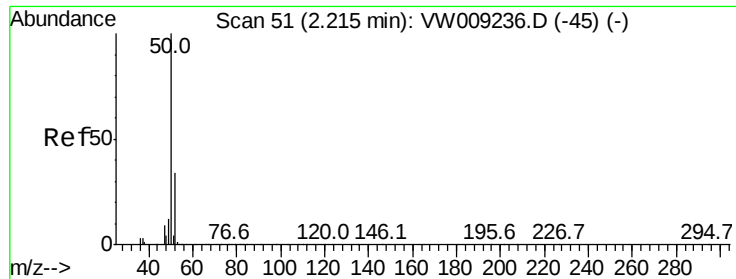


#2

Dichlorodifluoromethane
 Concen: 20.307 ug/l
 RT: 2.01 min Scan# 18
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	16.7	50.1





#3

Chloromethane

Concen: 20.200 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 44926

Ion Ratio Lower Upper

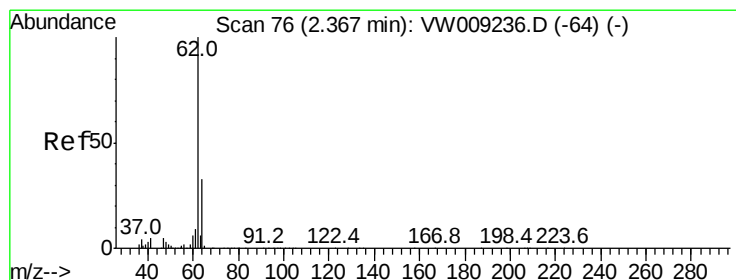
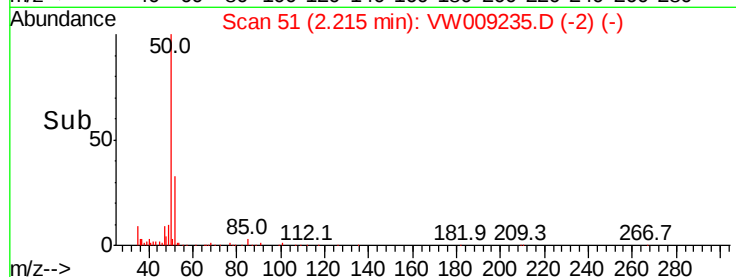
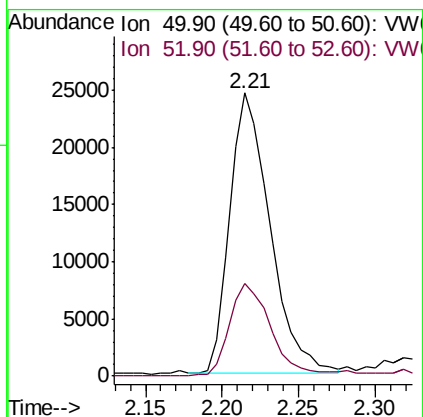
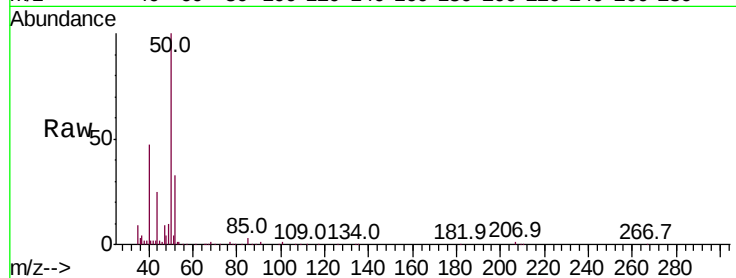
50 100

52 33.0 27.2 40.8

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#4

Vinyl Chloride

Concen: 20.847 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009235.D

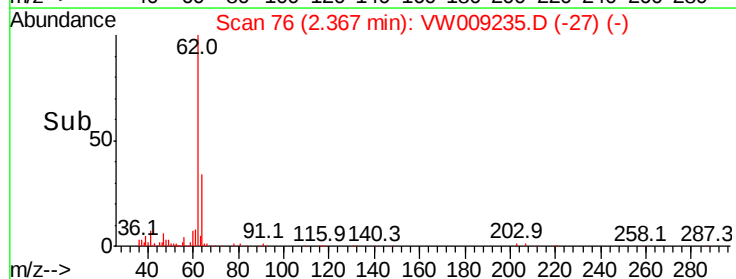
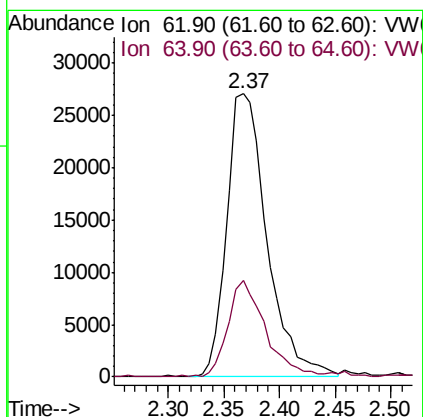
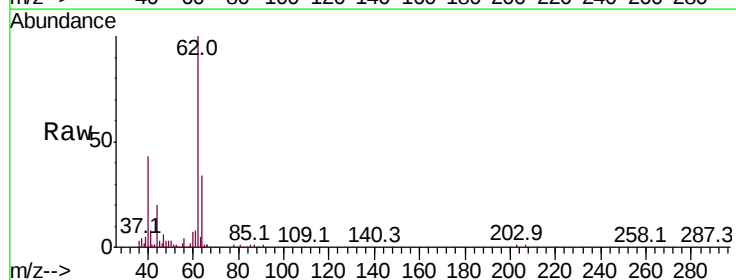
Acq: 19 Mar 2019 11:51

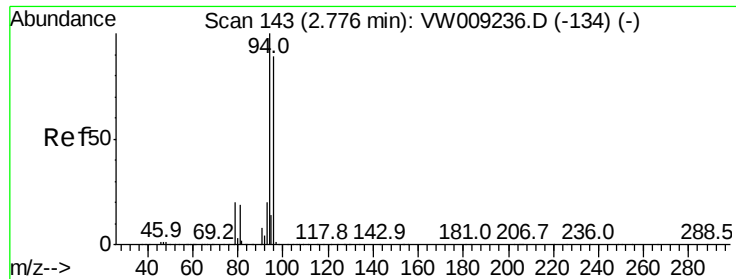
Tgt Ion: 62 Resp: 68052

Ion Ratio Lower Upper

62 100

64 34.0 26.2 39.2





#5

Bromomethane

Concen: 21.301 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 56705

Ion Ratio Lower Upper

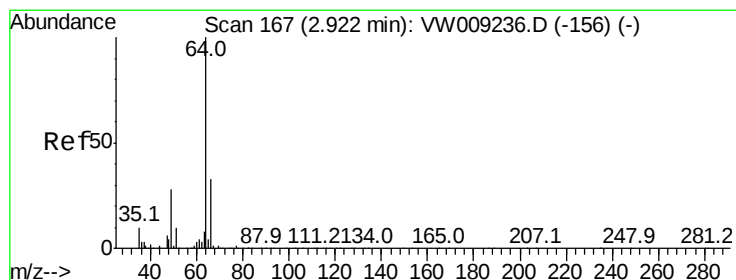
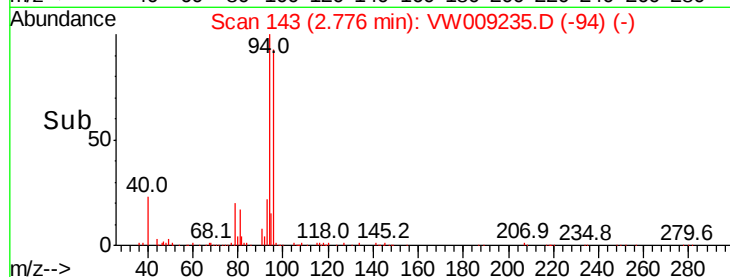
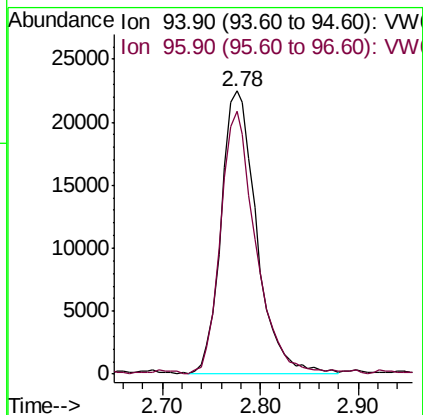
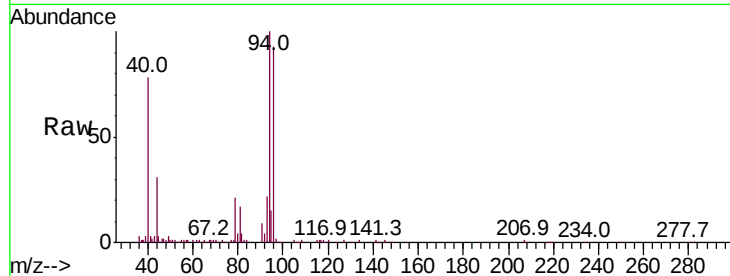
94 100

96 92.7 71.4 107.2

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#6

Chloroethane

Concen: 20.937 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW009235.D

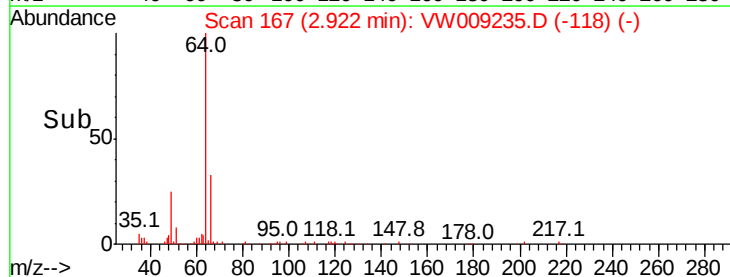
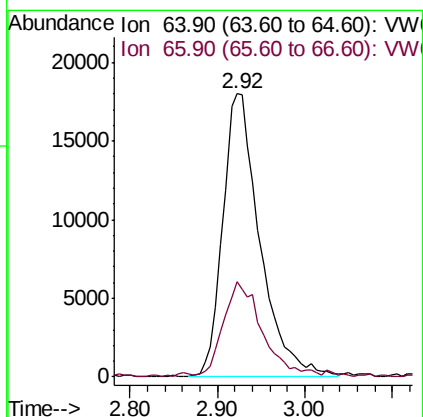
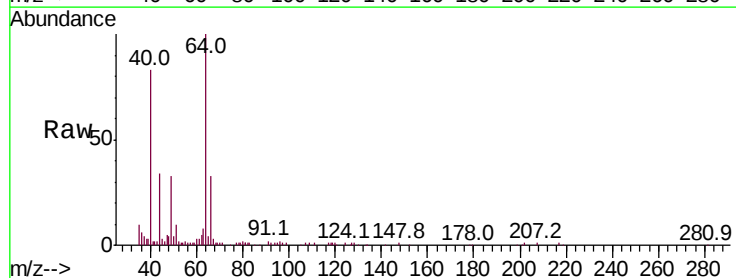
Acq: 19 Mar 2019 11:51

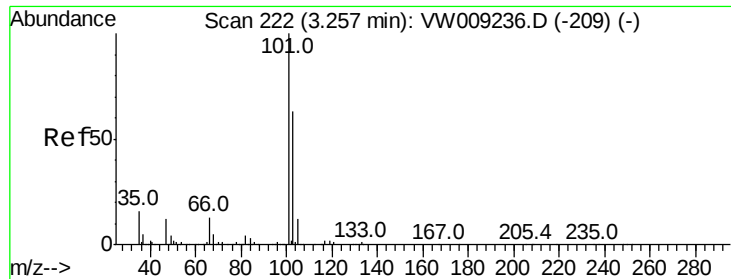
Tgt Ion: 64 Resp: 53025

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2





#7

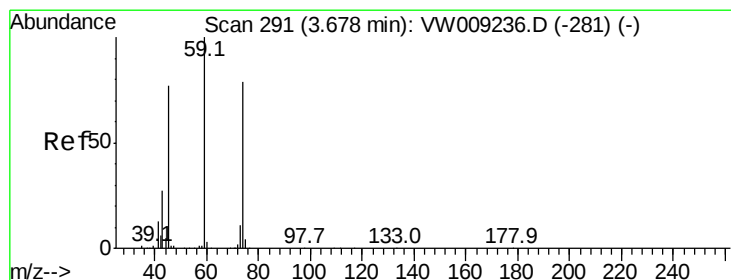
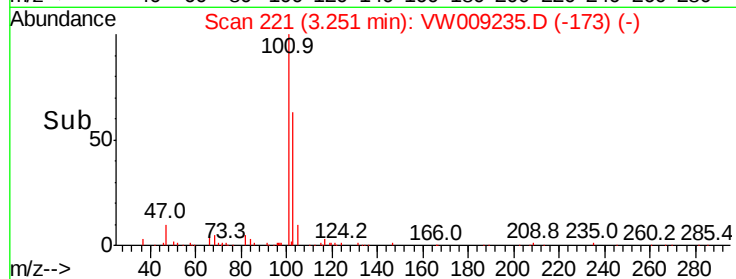
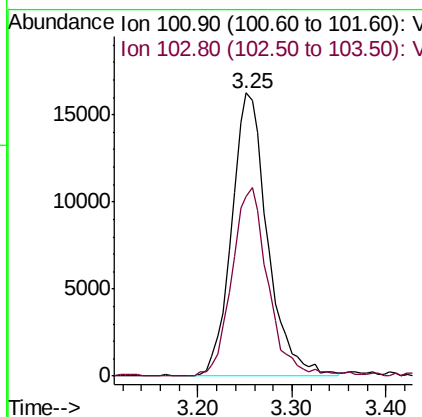
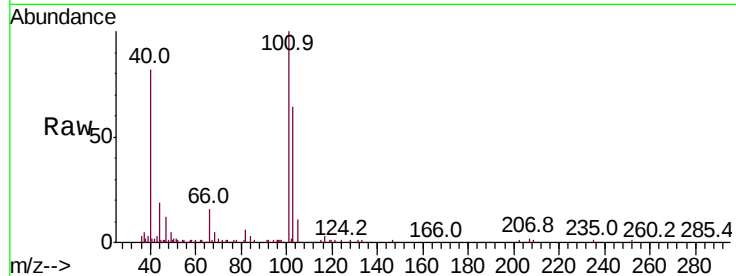
Trichlorofluoromethane
 Concen: 20.033 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.5	75.7

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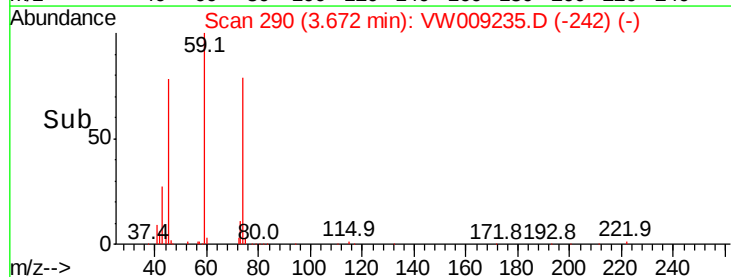
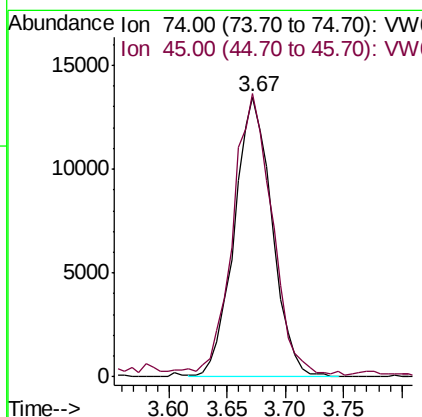
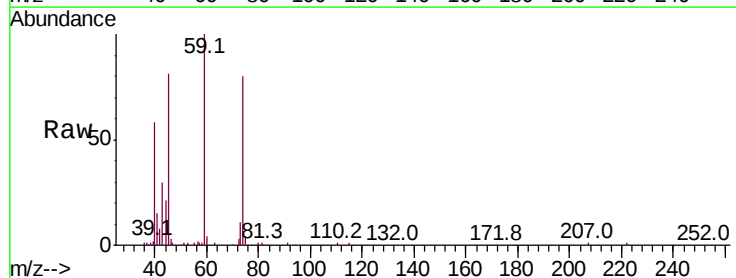
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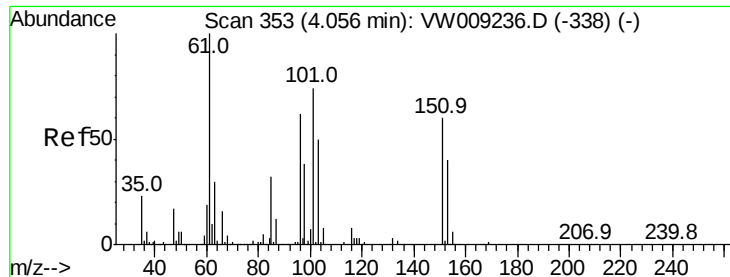


#8

Diethyl Ether
 Concen: 19.761 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.625 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

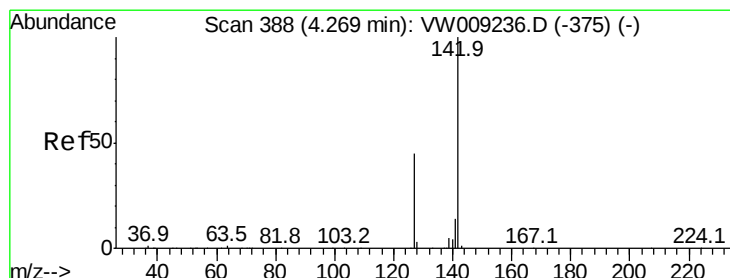
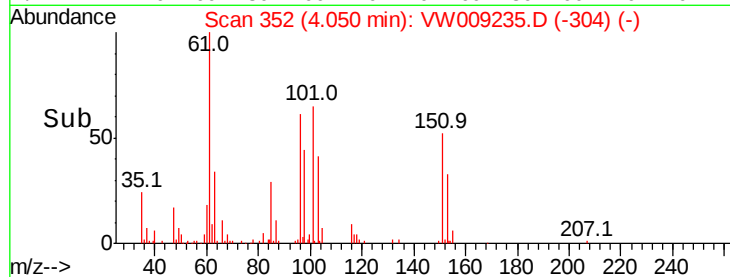
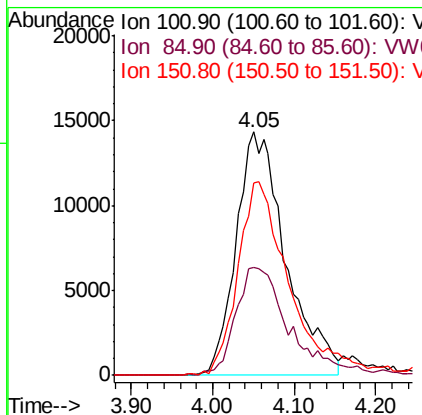
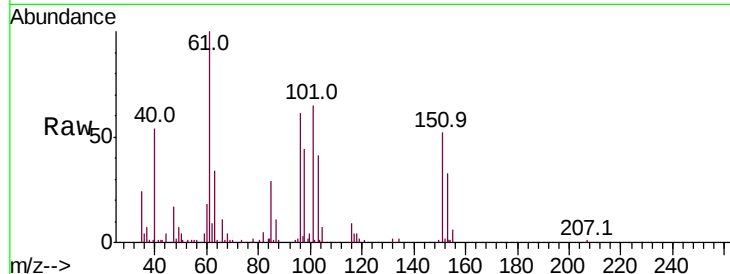
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	60793
Ion Ratio	Lower	Upper	
101	100		
85	47.4	35.1	52.7
151	81.9	62.9	94.3

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#10

Methyl Iodide

Concen: 20.338 ug/l

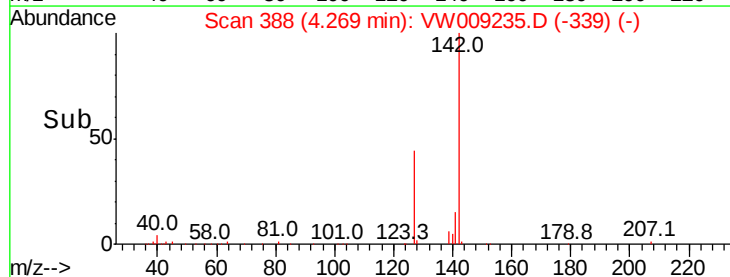
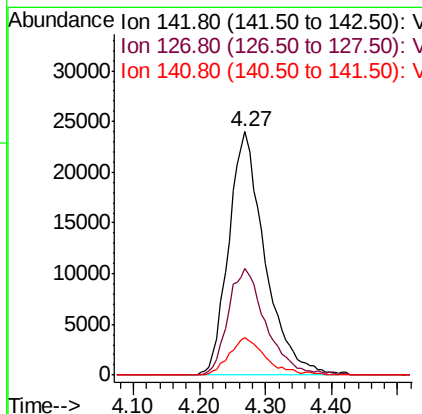
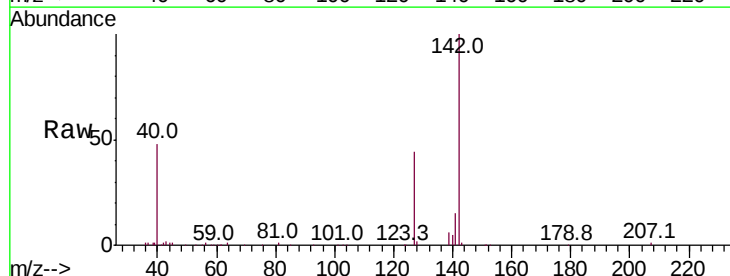
RT: 4.27 min Scan# 388

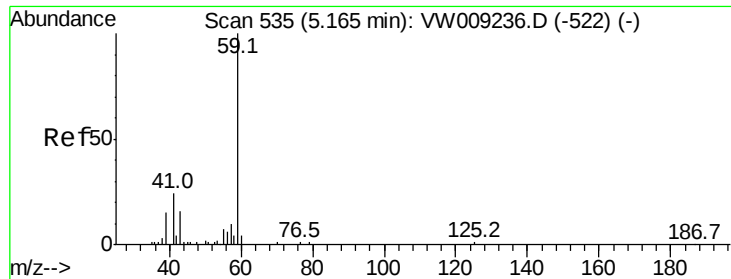
Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Tgt Ion:	142	Resp:	90817
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.9	53.9
141	15.2	11.4	17.2





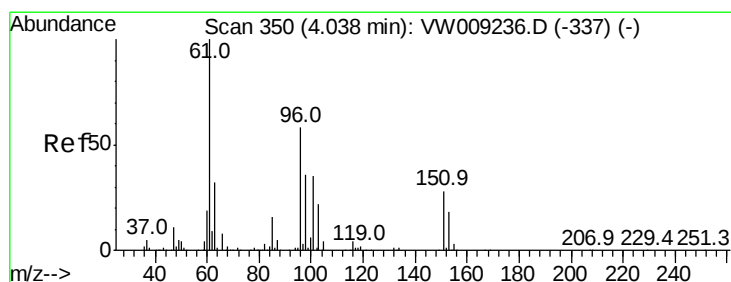
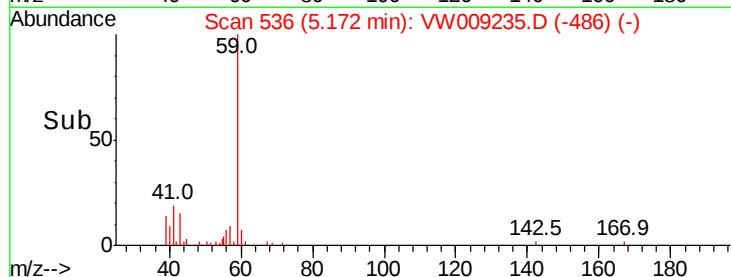
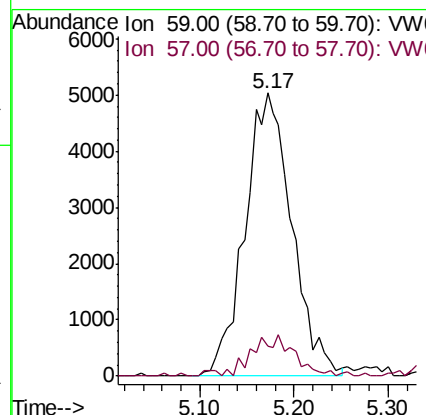
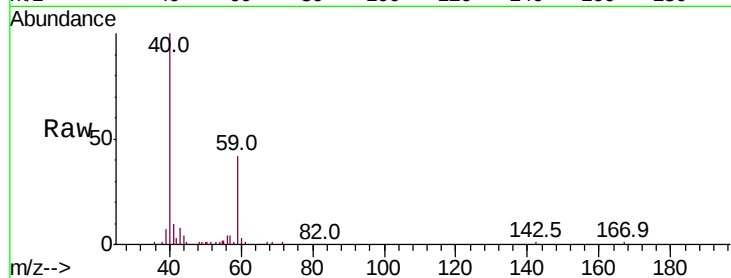
#11
Tert butyl alcohol
Concen: 92.676 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	17550		
57	6.8	9.4	14.0#	

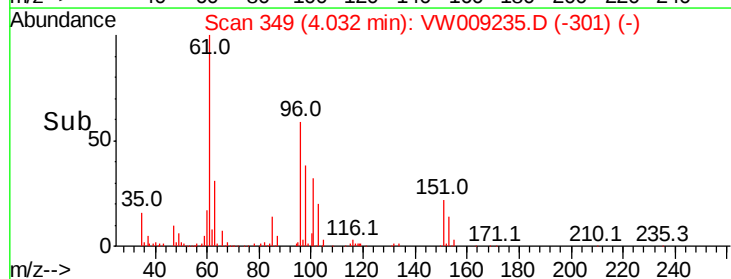
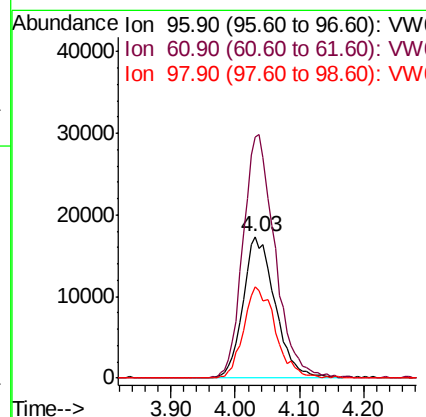
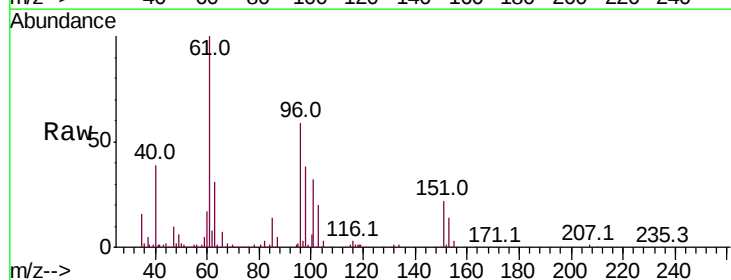
Manual Integrations
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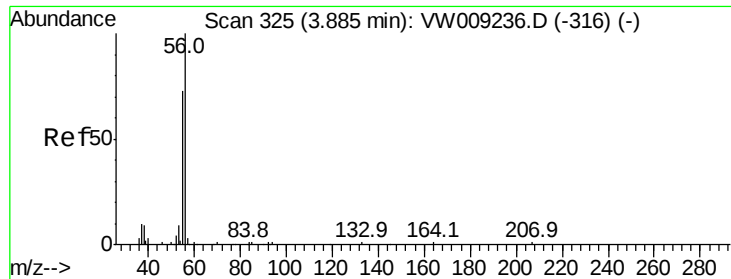
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#12
1,1-Dichloroethene
Concen: 20.331 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	59533		
61	169.8	138.0	207.0	
98	64.4	49.8	74.8	





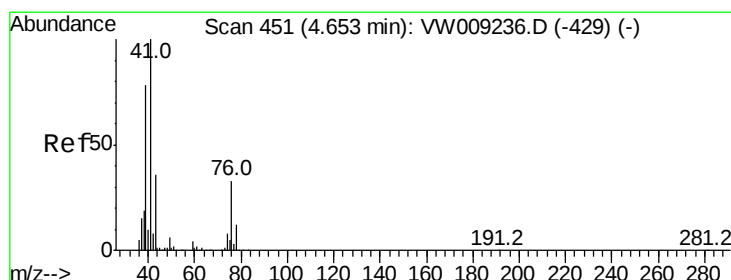
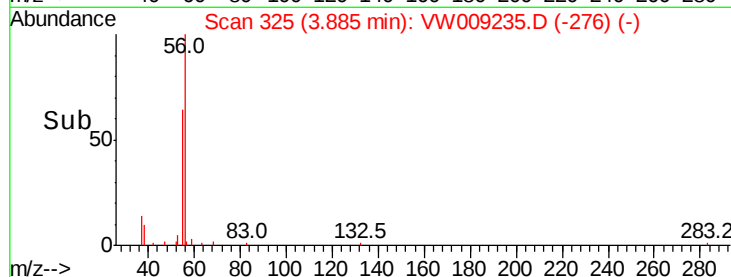
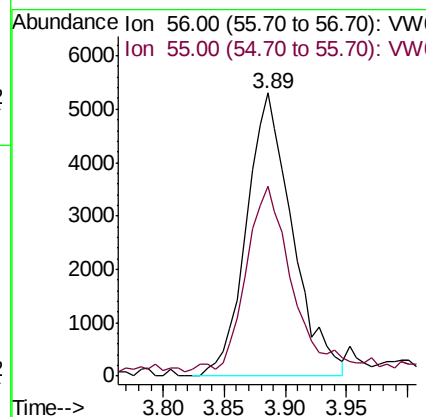
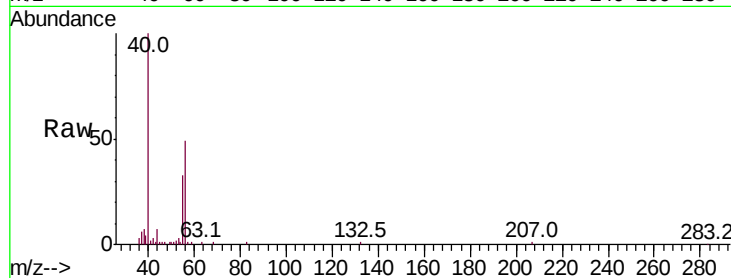
#13
Acrolein
Concen: 89.493 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	13840
Ion Ratio	Lower	Upper	
56	100		
55	66.8	55.2	82.8

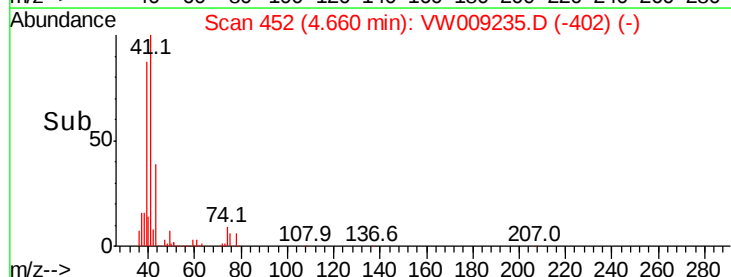
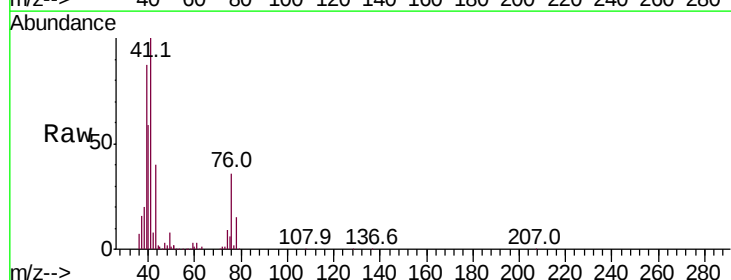
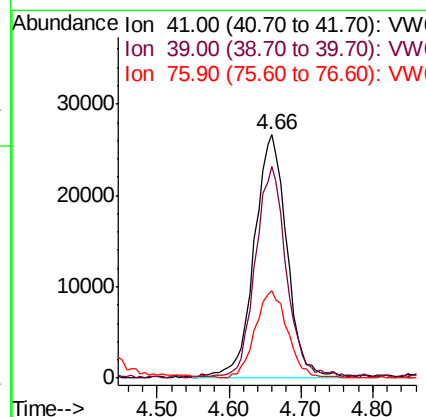
Manual Integrations
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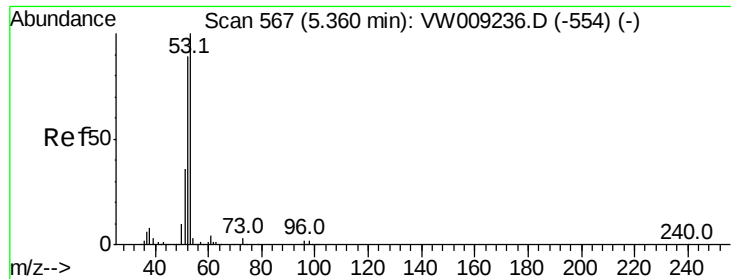
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#14
Allyl chloride
Concen: 19.273 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	41	Resp	83196
Ion Ratio	Lower	Upper	
41	100		
39	84.7	63.8	95.6
76	35.2	27.8	41.6





#15

Acrylonitrile

Concen: 93.804 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

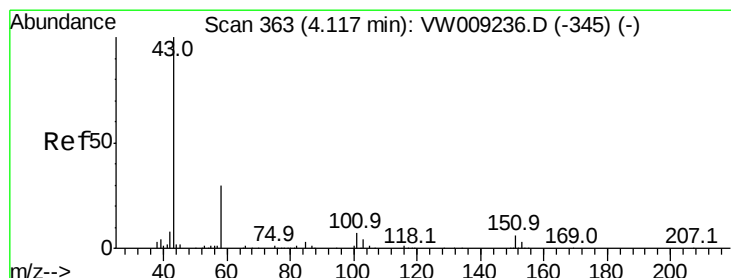
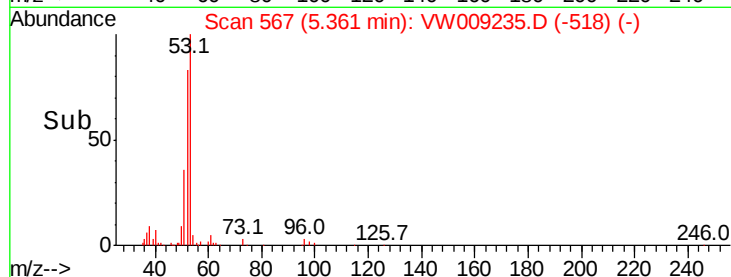
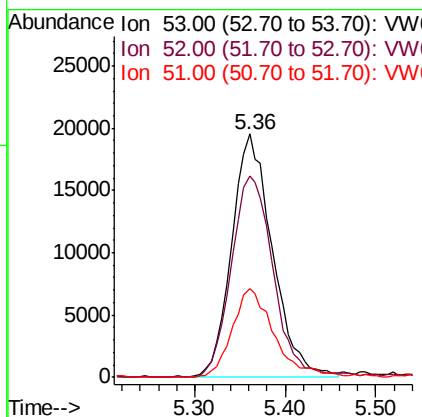
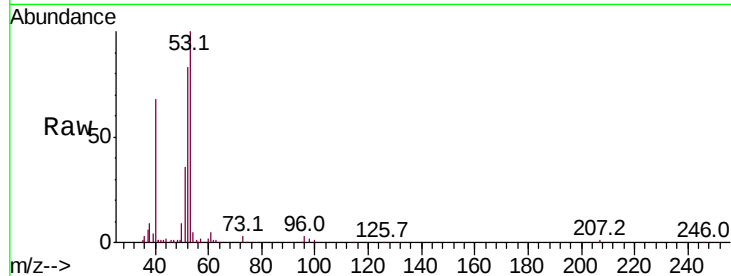
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	60797
Ion	Ratio	Lower	Upper
53	100		
52	85.9	67.6	101.4
51	37.5	30.6	45.8

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#16

Acetone

Concen: 91.436 ug/l

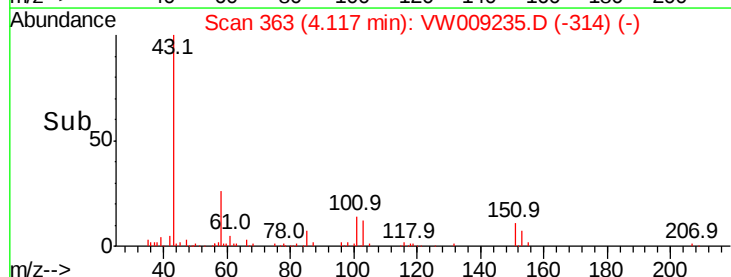
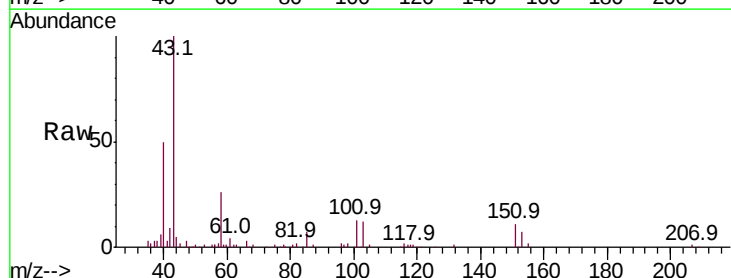
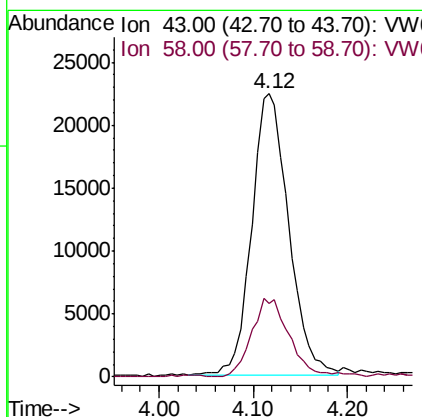
RT: 4.12 min Scan# 363

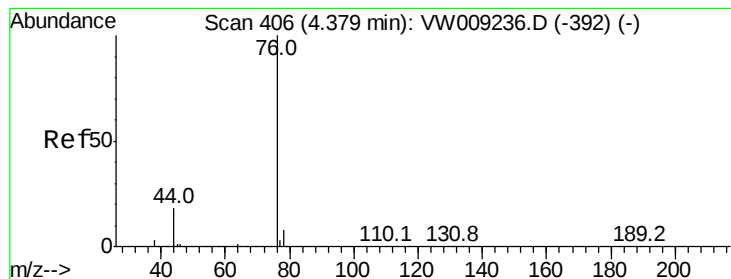
Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Tgt Ion:	43	Resp:	61222
Ion	Ratio	Lower	Upper
43	100		
58	25.4	23.6	35.4





#17

Carbon Disulfide

Concen: 20.872 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 170382

Ion Ratio Lower Upper

76 100

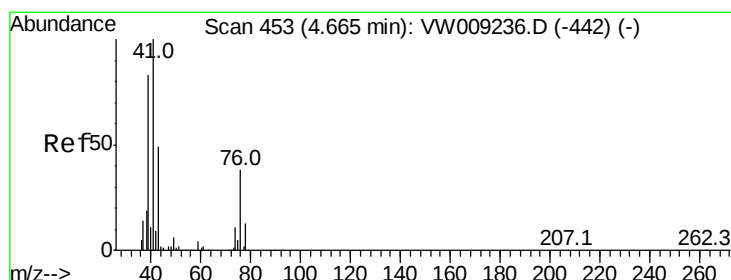
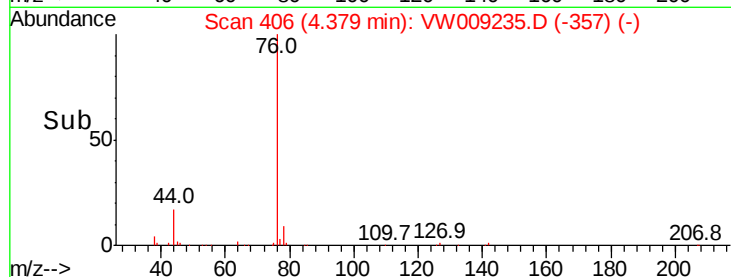
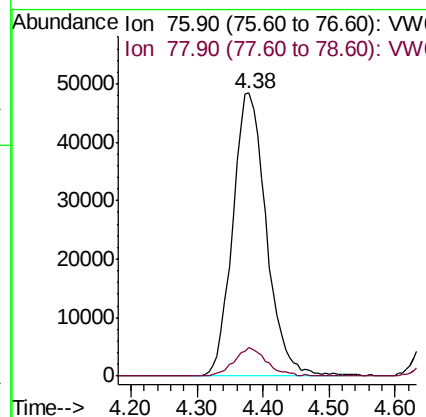
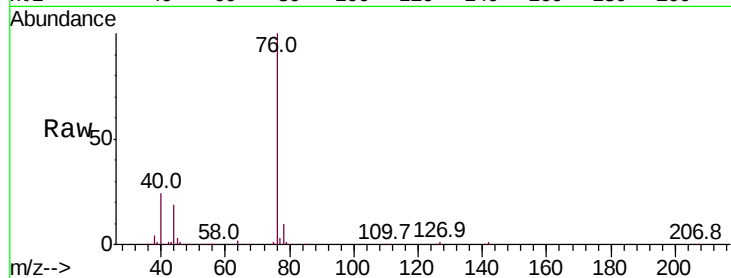
78 9.9 6.6 9.8#

Manual Integrations

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#18

Methyl Acetate

Concen: 17.439 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW009235.D

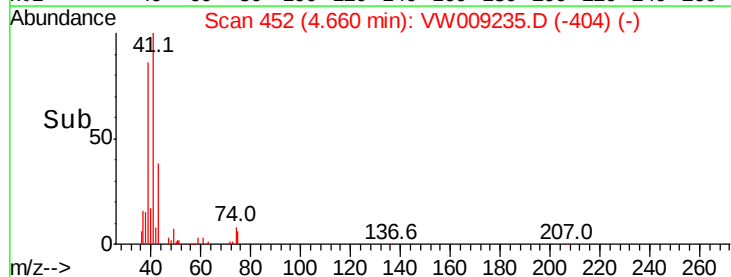
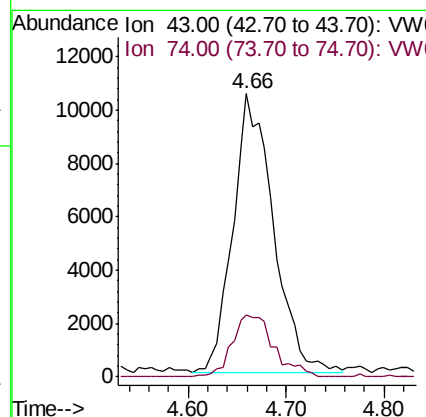
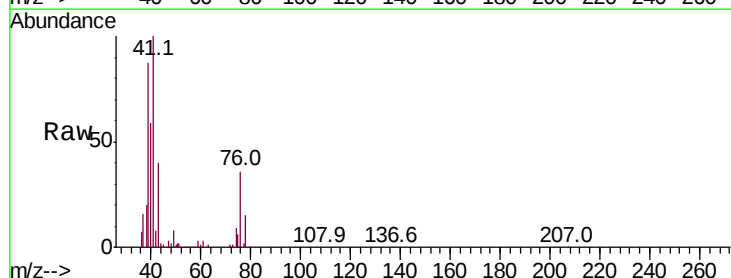
Acq: 19 Mar 2019 11:51

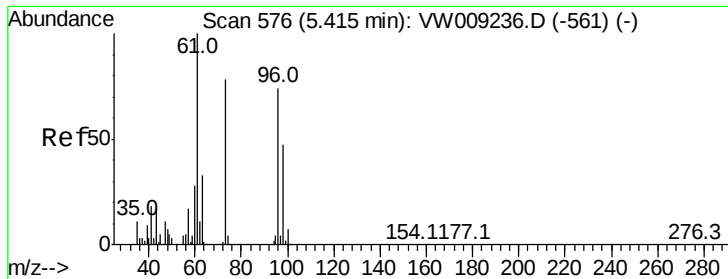
Tgt Ion: 43 Resp: 29967

Ion Ratio Lower Upper

43 100

74 23.0 17.7 26.5





#19

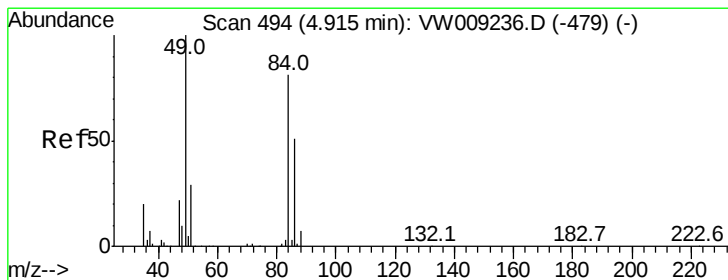
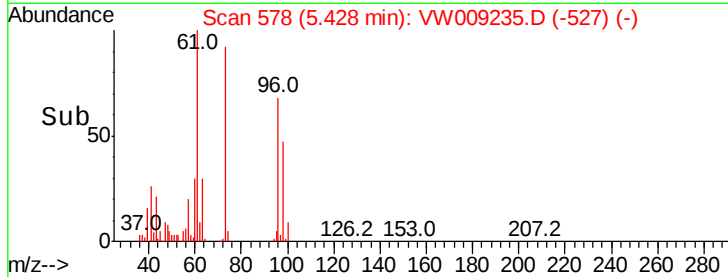
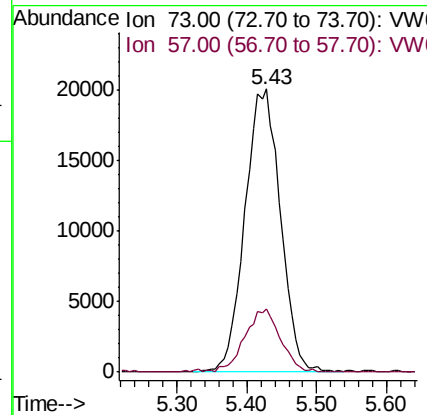
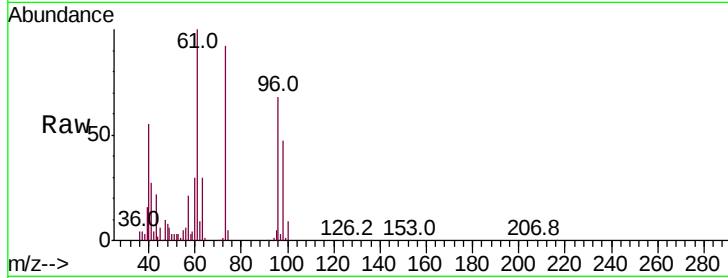
Methyl tert-butyl Ether
 Concen: 19.695 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 73 Resp: 70779
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.0 25.6

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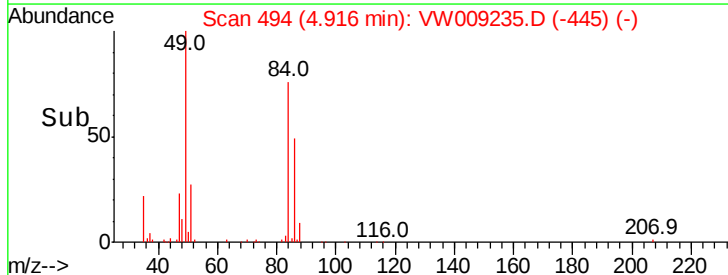
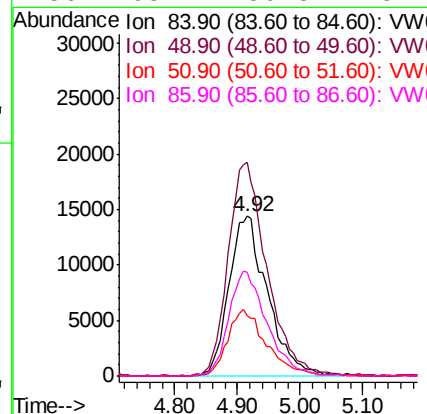
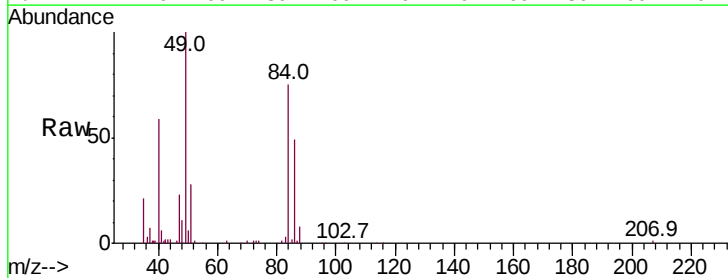
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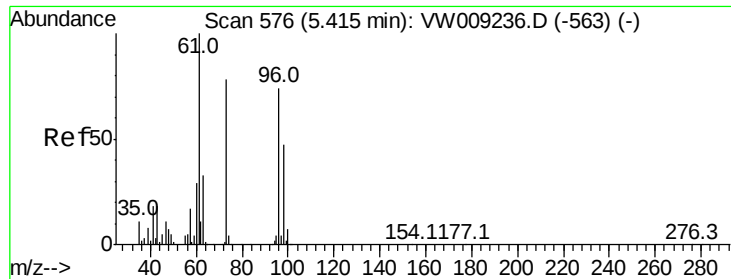


#20

Methylene Chloride
 Concen: 19.585 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion: 84 Resp: 61229
 Ion Ratio Lower Upper
 84 100
 49 133.2 99.1 148.7
 51 37.8 28.7 43.1
 86 65.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 20.462 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

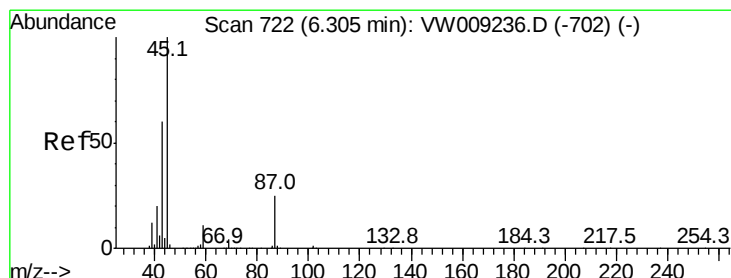
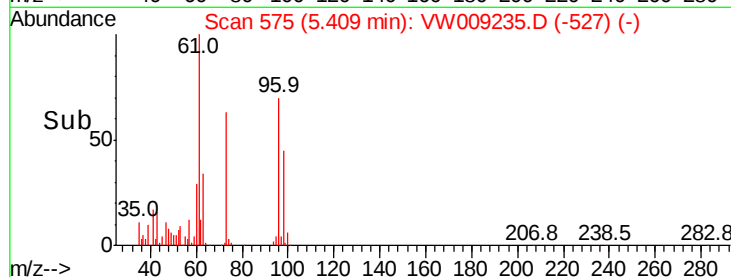
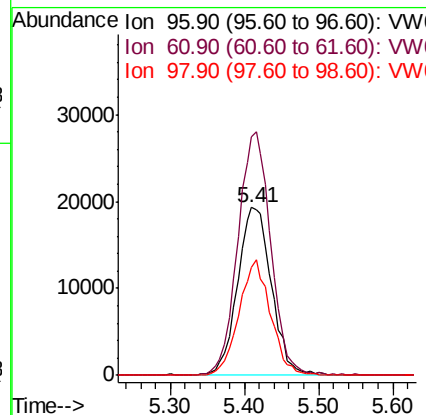
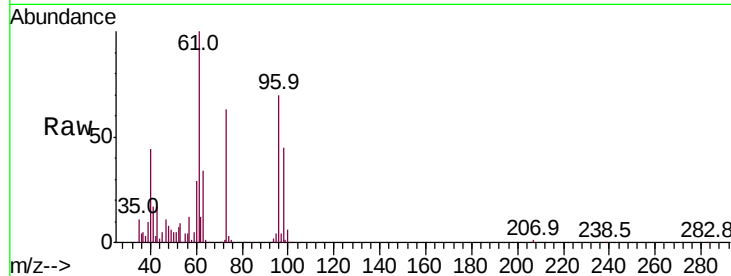
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	61643
Ion	Ratio	Lower	Upper
96	100		
61	142.3	108.2	162.4
98	64.3	50.9	76.3

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#22

Diisopropyl ether

Concen: 19.565 ug/l

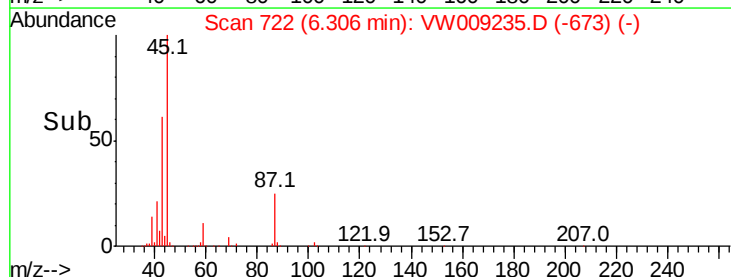
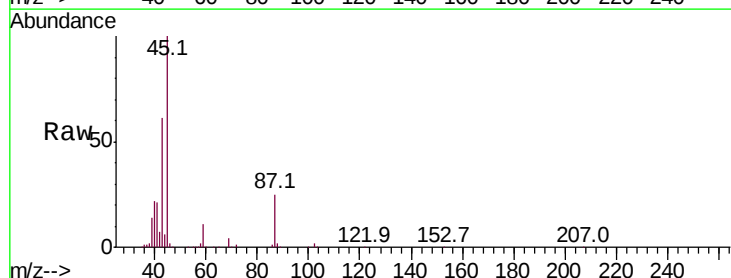
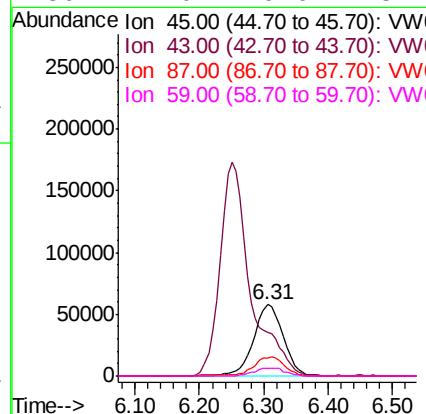
RT: 6.31 min Scan# 722

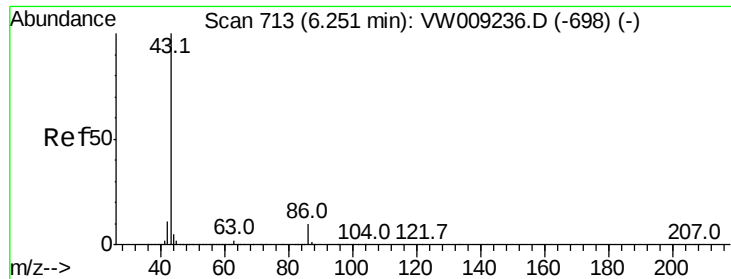
Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Tgt Ion:	45	Resp:	182075
Ion	Ratio	Lower	Upper
45	100		
43	60.8	47.9	71.9
87	25.3	20.6	30.8
59	11.0	9.0	13.4





#23

Vinyl Acetate

Concen: 97.971 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 572062

Ion Ratio Lower Upper

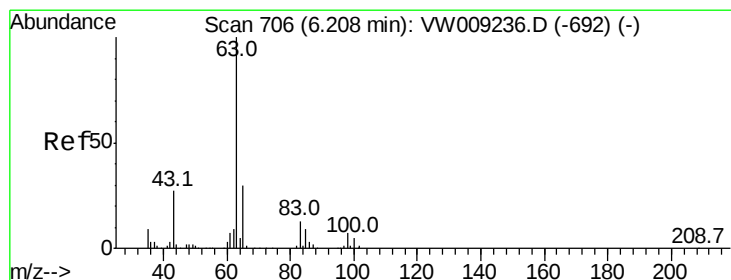
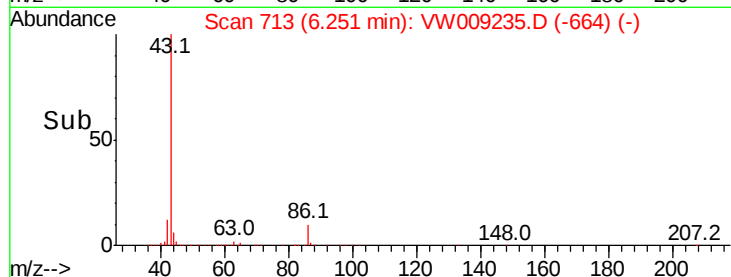
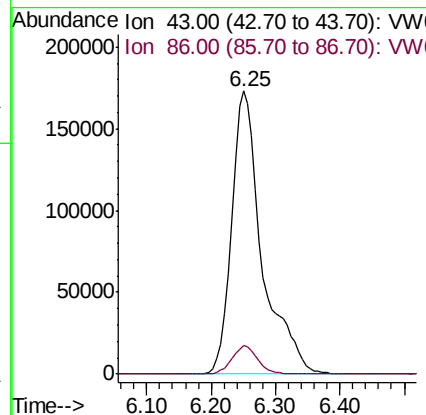
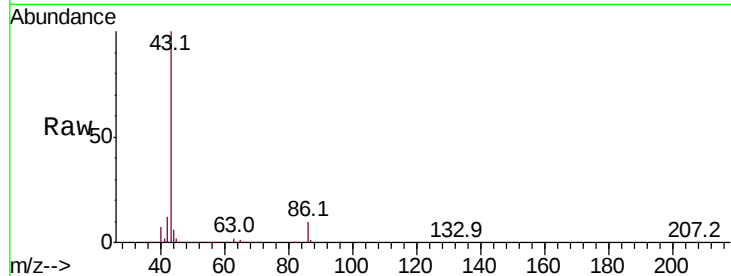
43 100

86 10.0 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 19.858 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

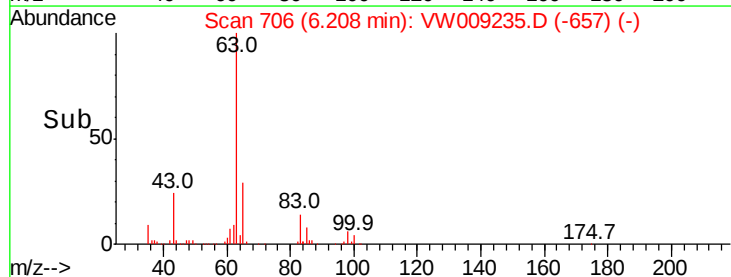
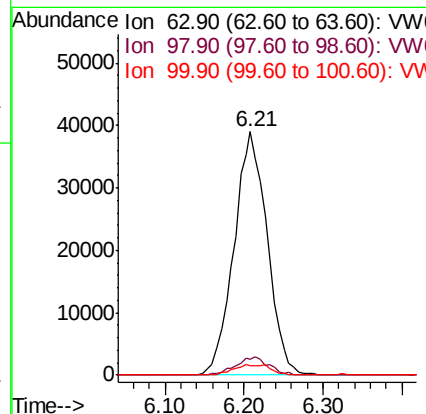
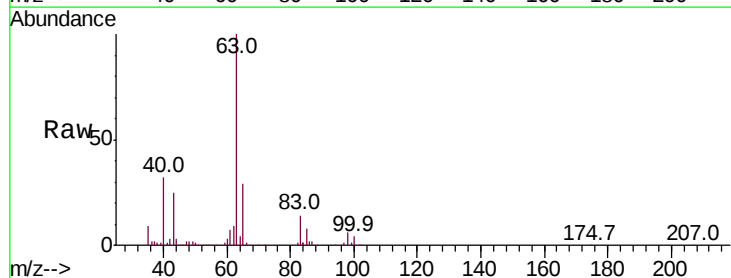
Tgt Ion: 63 Resp: 114054

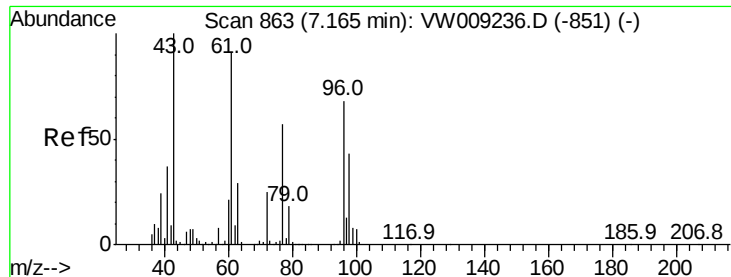
Ion Ratio Lower Upper

63 100

98 6.3 3.7 11.1

100 3.6 2.4 7.1





#25

2-Butanone

Concen: 93.244 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 89459

Ion Ratio Lower Upper

43 100

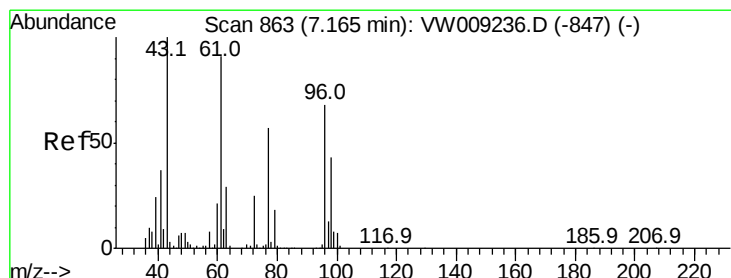
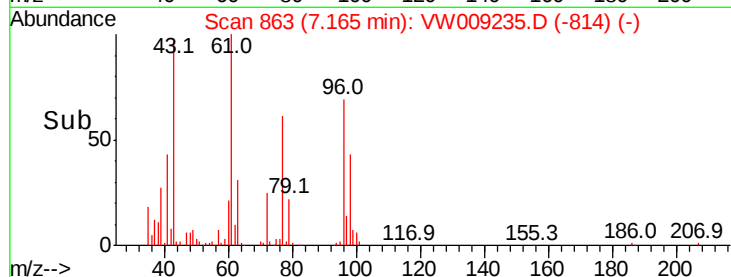
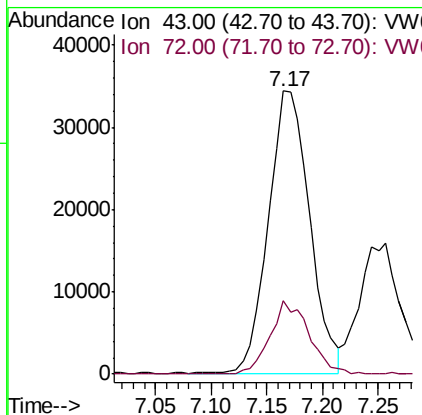
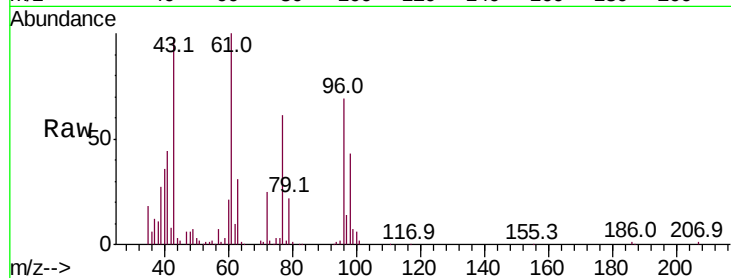
72 25.7 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.157 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009235.D

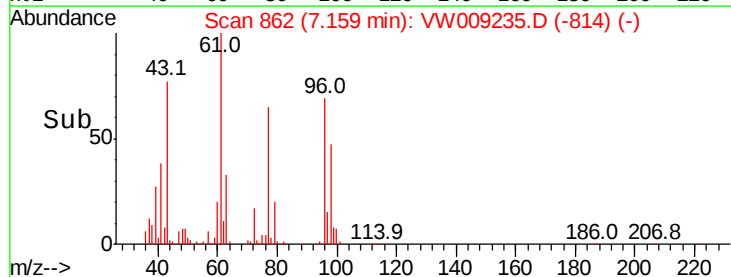
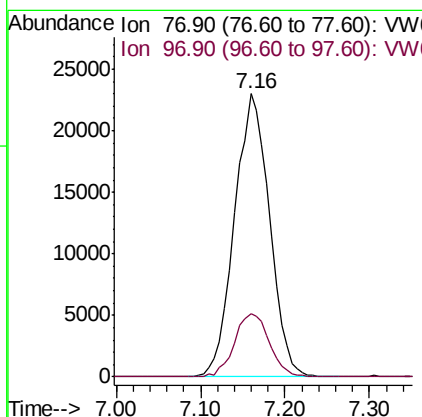
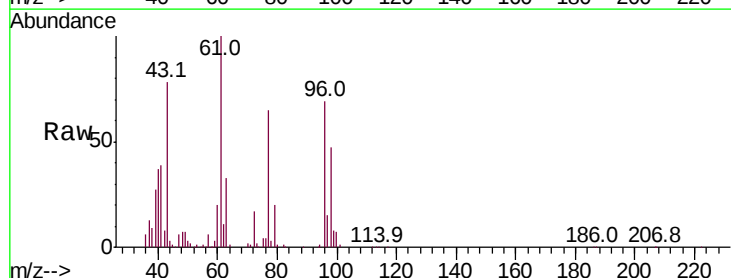
Acq: 19 Mar 2019 11:51

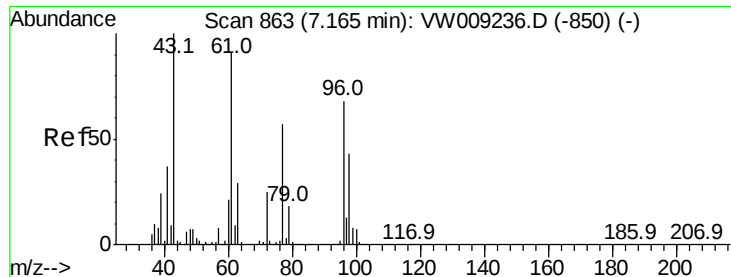
Tgt Ion: 77 Resp: 64687

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7





#27

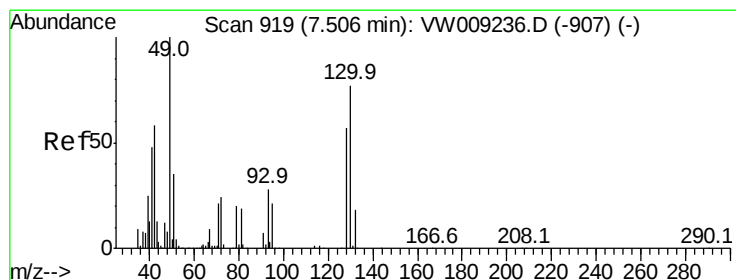
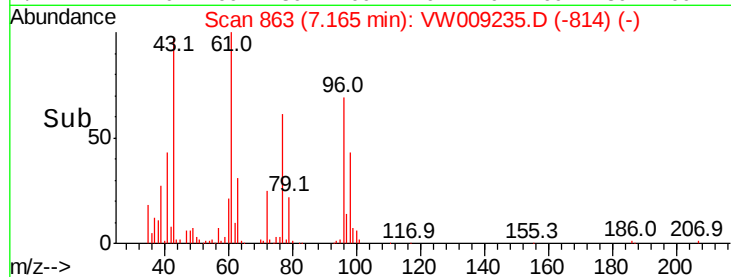
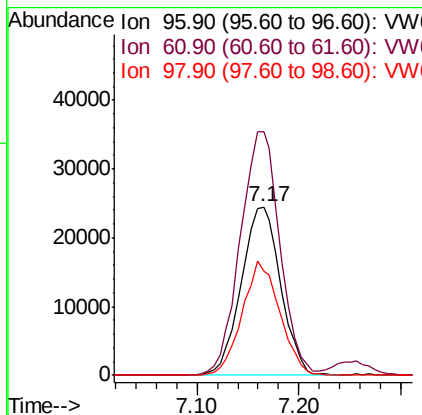
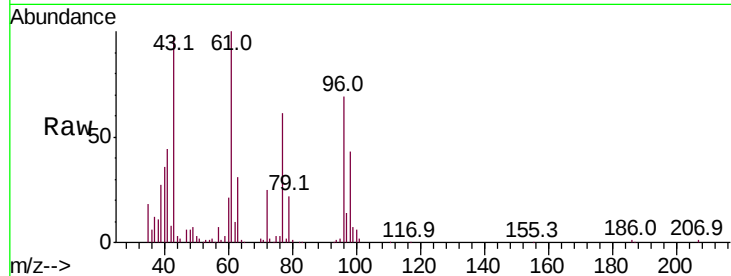
cis-1,2-Dichloroethene
Concen: 20.139 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	289.8
98	64.7	0.0	130.8

Manual Integrations
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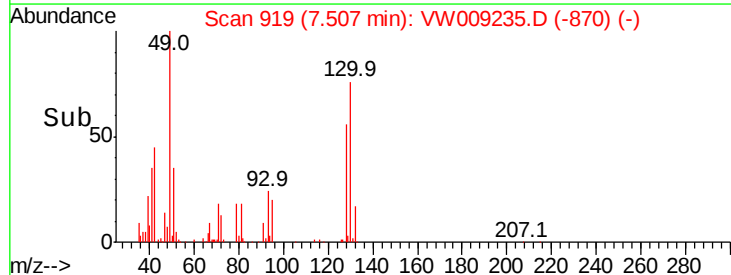
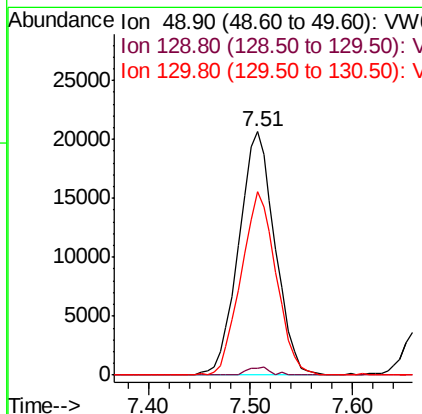
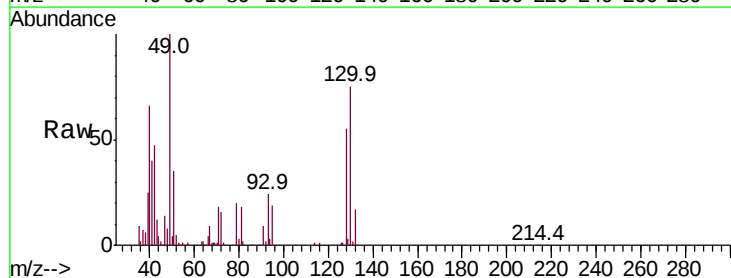
MMDadoda
3/22/2019 3:52:59 AM

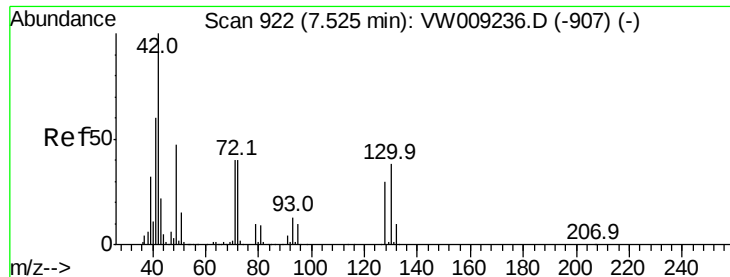


#28

Bromochloromethane
Concen: 20.163 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	1.4#
130	73.3	58.6	88.0





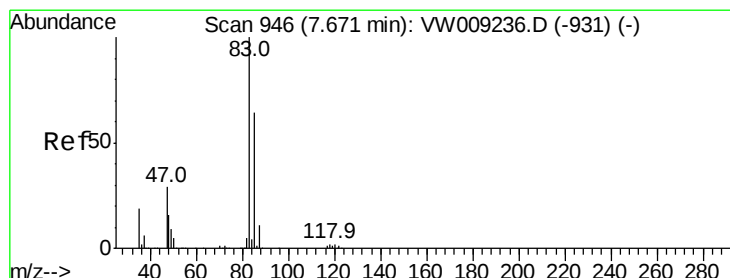
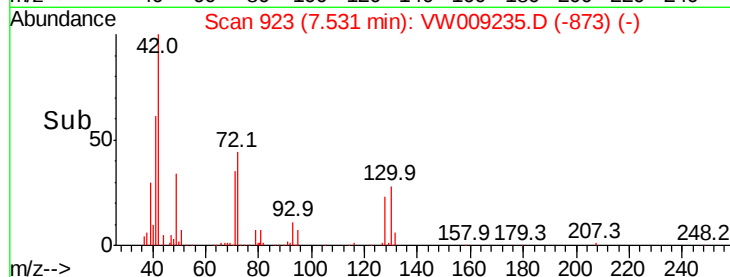
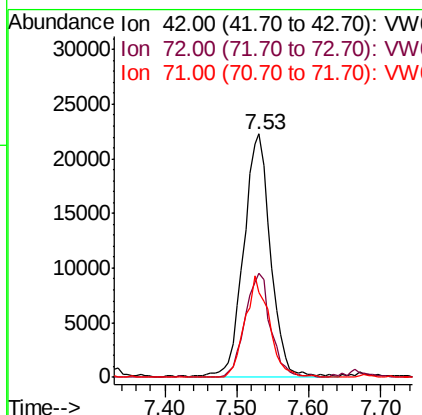
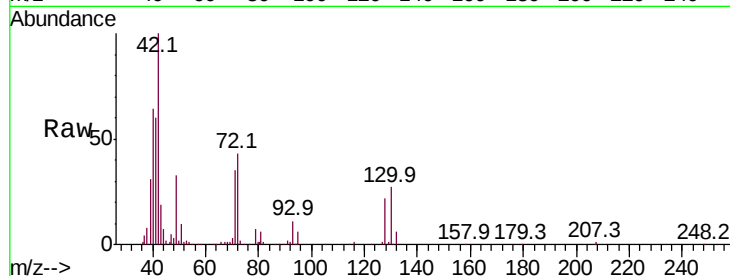
#29
Tetrahydrofuran
Concen: 95.110 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.4	48.6
71	37.4	30.1	45.1

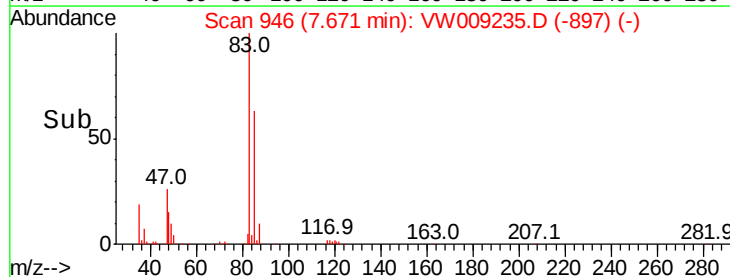
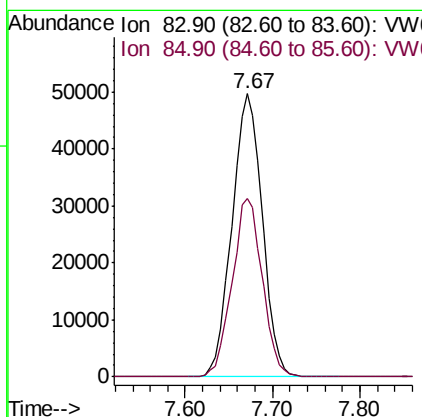
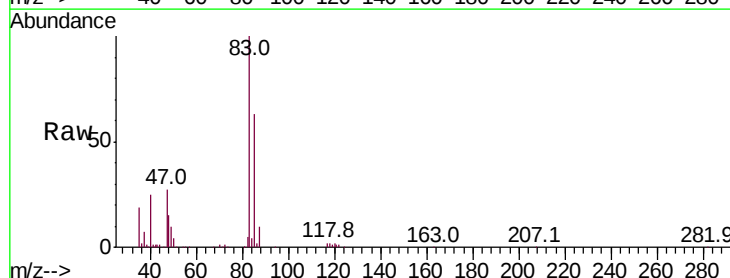
Manual Integrations
APPROVED

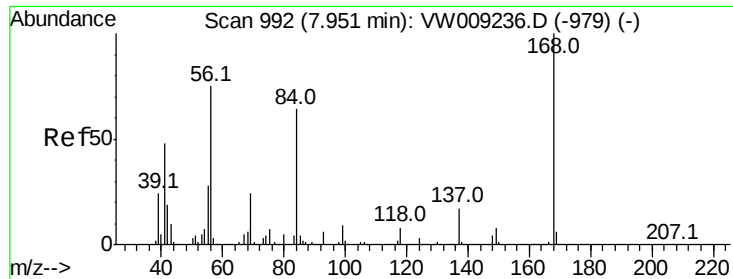
MMDadoda
3/22/2019 3:52:59 AM



#30
Chloroform
Concen: 20.031 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.6





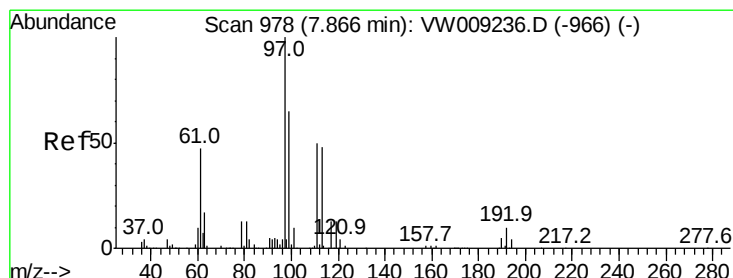
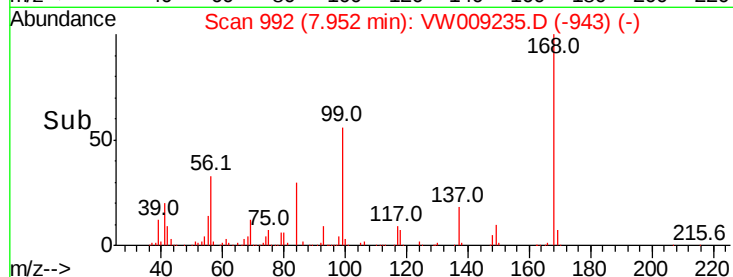
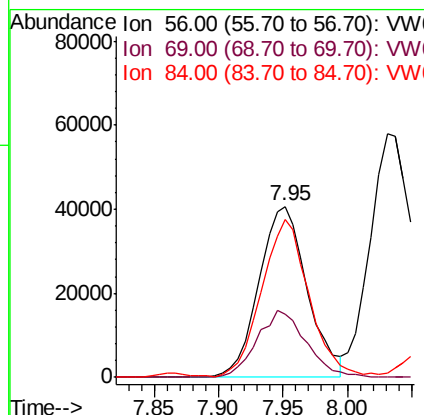
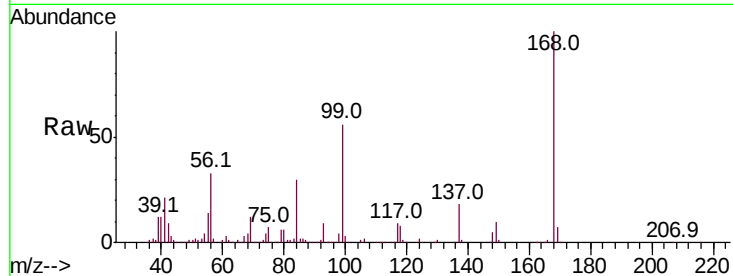
#31
Cyclohexane
Concen: 19.742 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.1	39.1
84	90.6	68.6	103.0

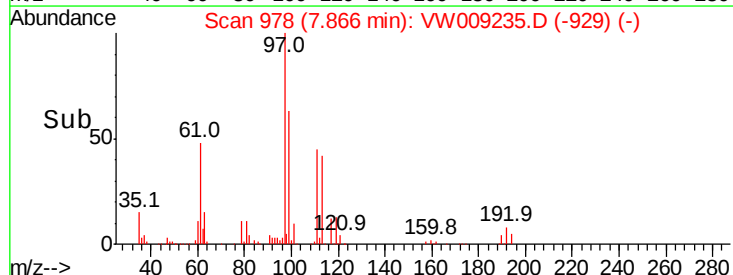
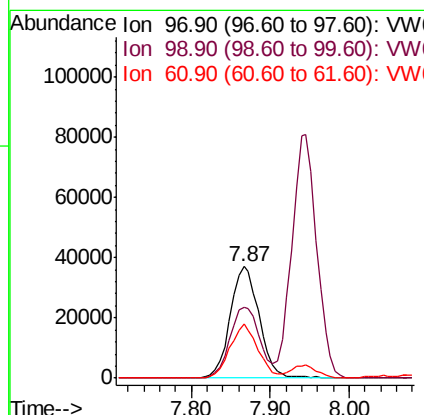
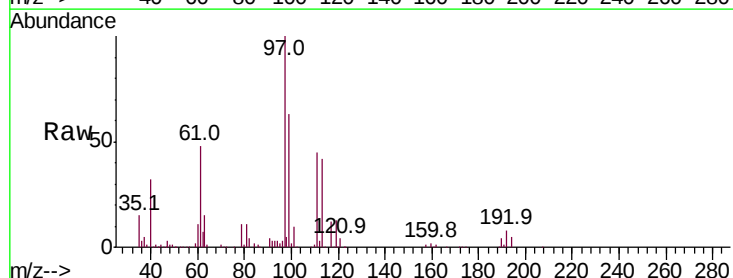
Manual Integrations
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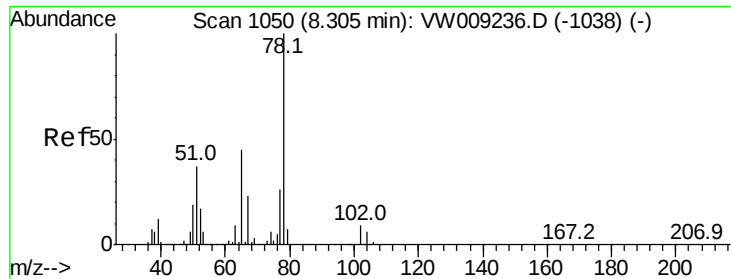
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3/22/2019 3:52:59 AM



#32
1,1,1-Trichloroethane
Concen: 19.924 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	46.1	36.8	55.2





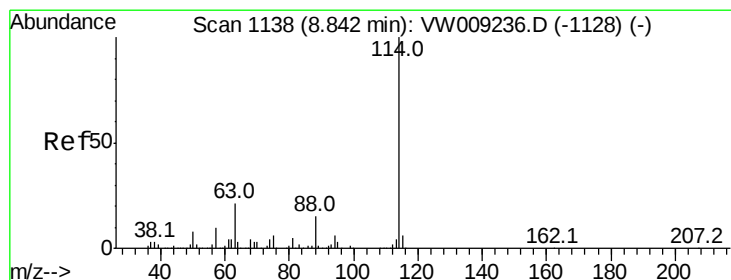
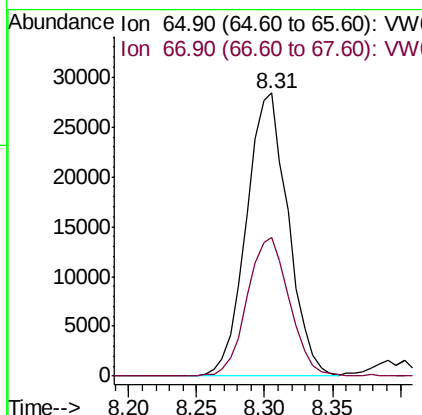
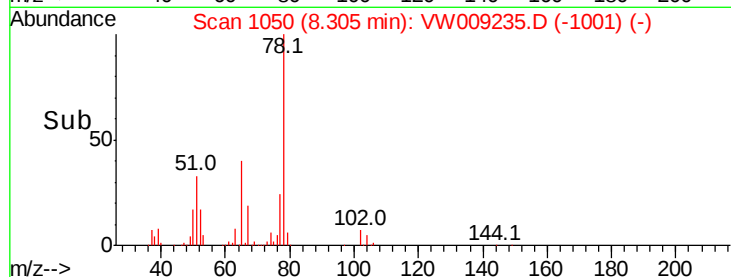
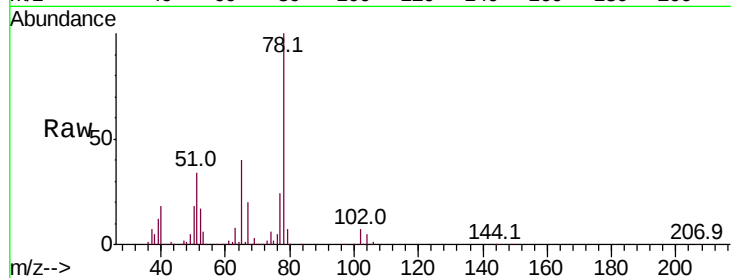
#33
 1,2-Dichloroethane-d4
 Concen: 18.745 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	102.4

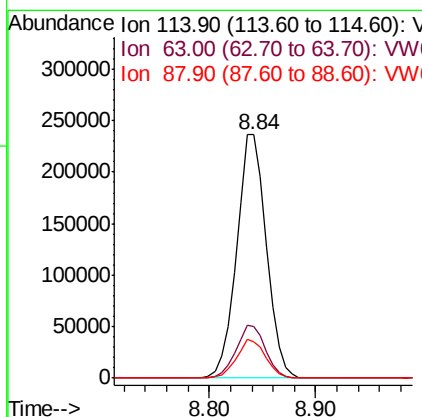
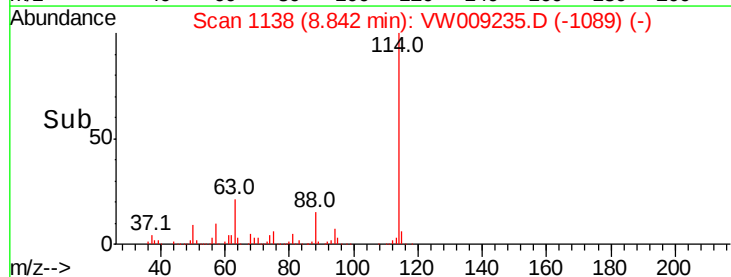
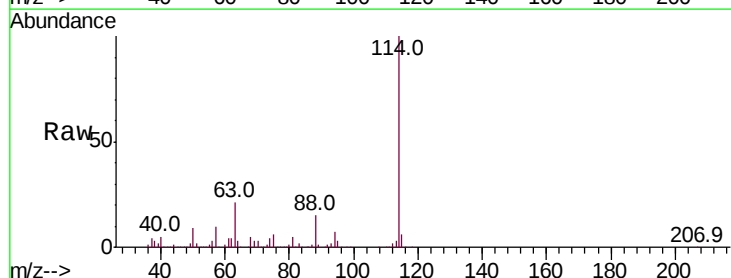
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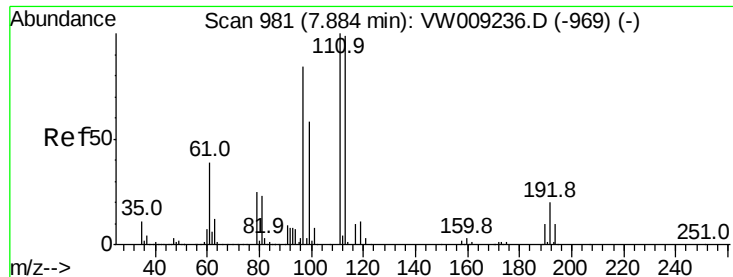
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.2
88	15.1	0.0	30.8





#35

Dibromofluoromethane

Concen: 19.438 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:113 Resp: 57035

Ion Ratio Lower Upper

113 100

111 104.5 82.6 124.0

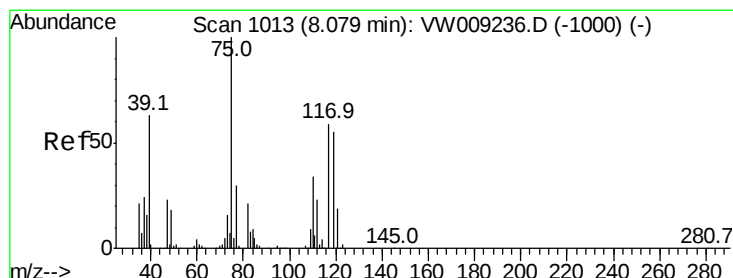
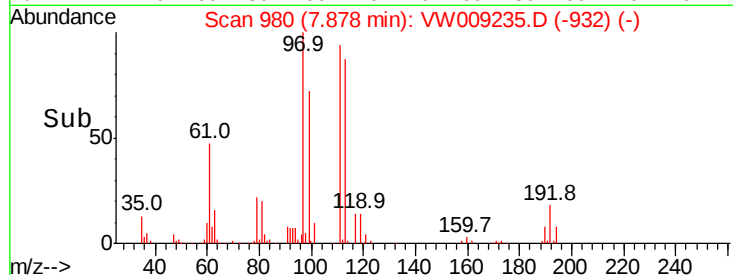
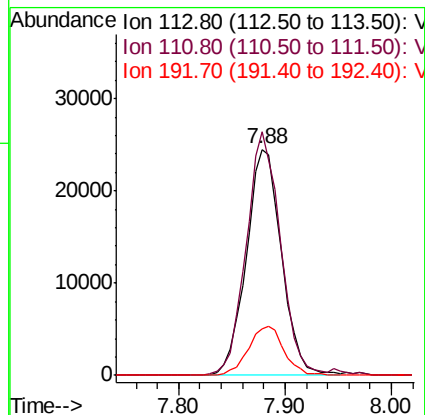
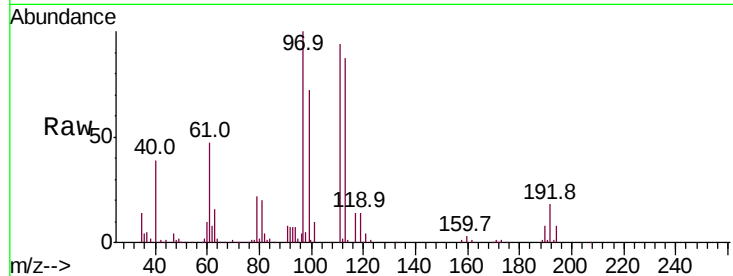
192 21.8 16.4 24.6

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 20.345 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

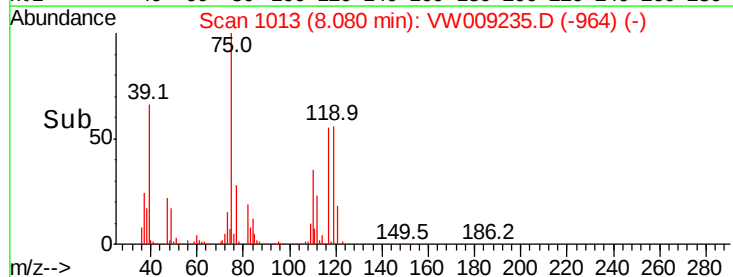
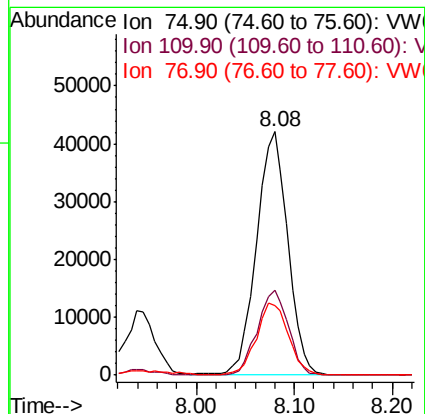
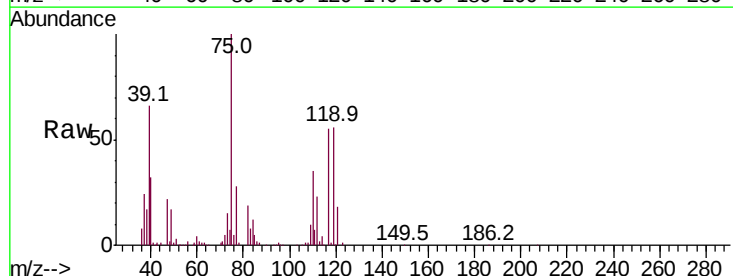
Tgt Ion: 75 Resp: 93647

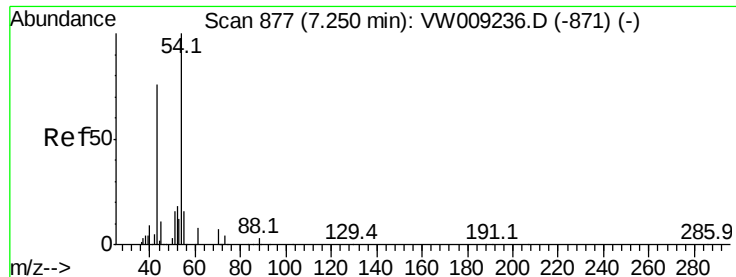
Ion Ratio Lower Upper

75 100

110 34.4 16.8 50.4

77 30.6 24.6 36.8





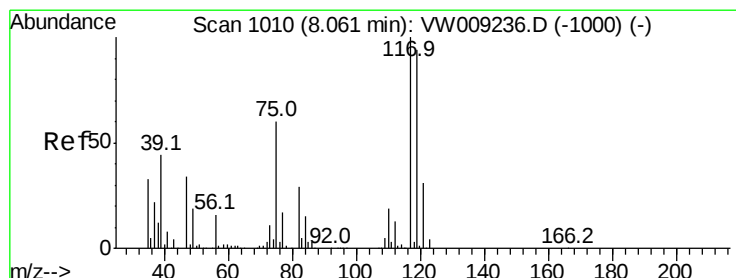
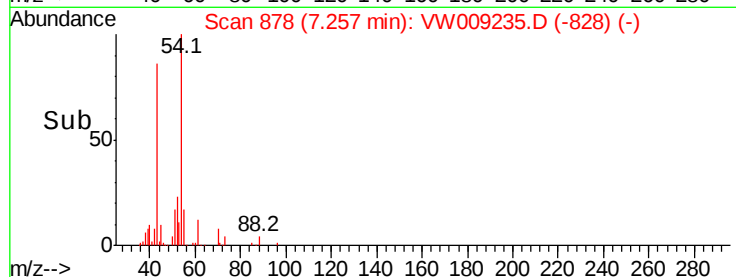
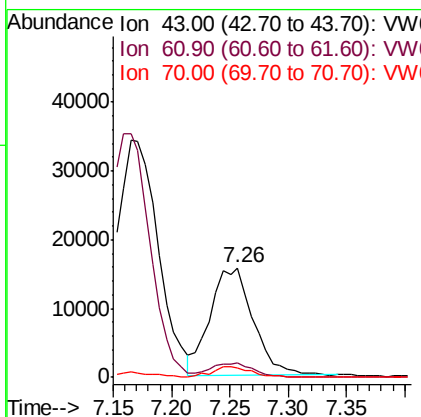
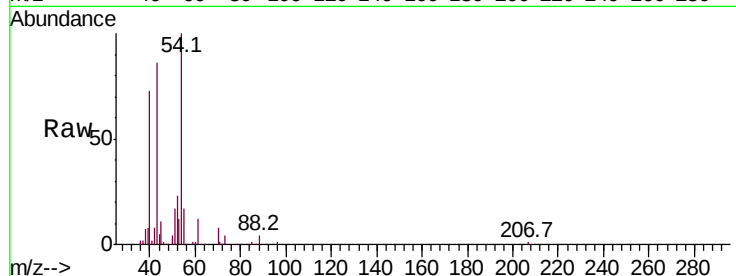
#37
Ethyl Acetate
Concen: 19.215 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.0	15.0
70	9.0	7.3	10.9

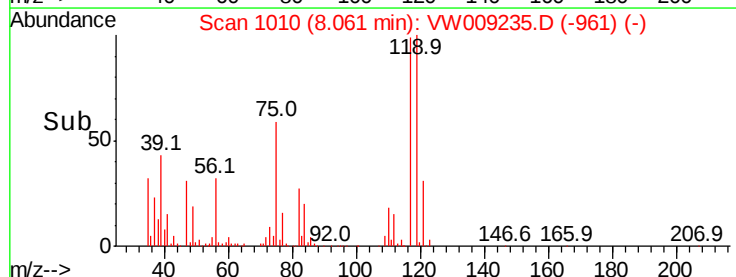
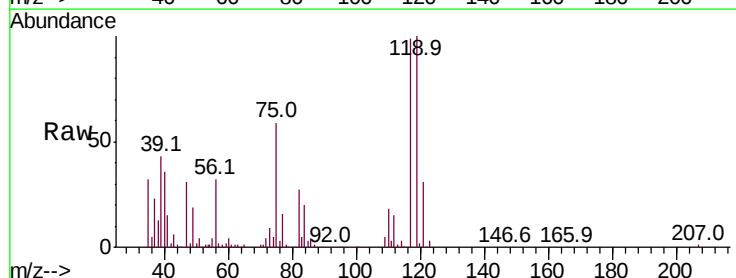
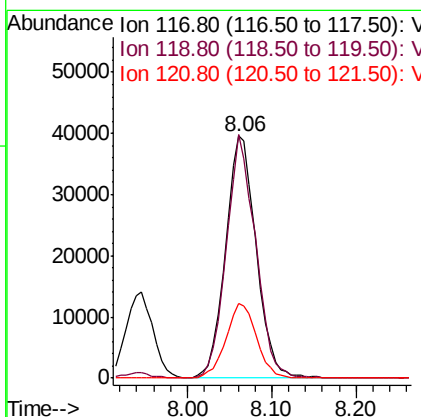
Manual Integrations
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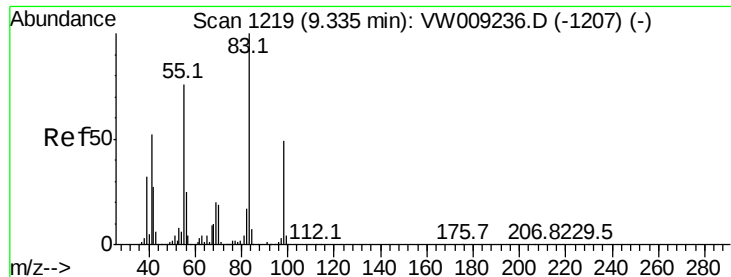
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#38
Carbon Tetrachloride
Concen: 20.045 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.6	75.4	113.0
121	31.0	24.9	37.3





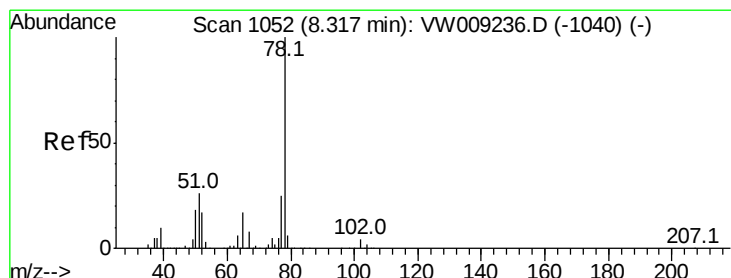
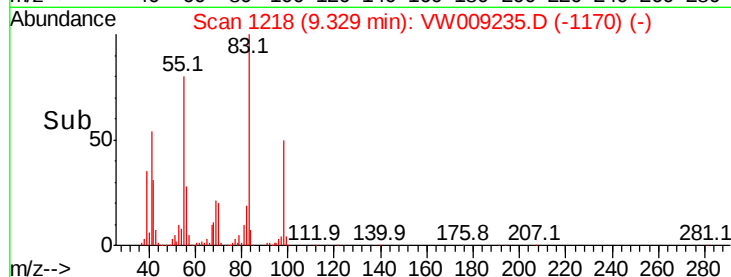
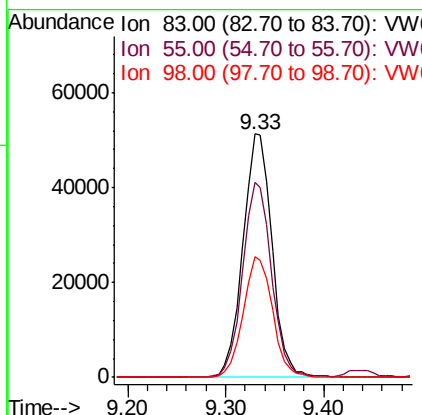
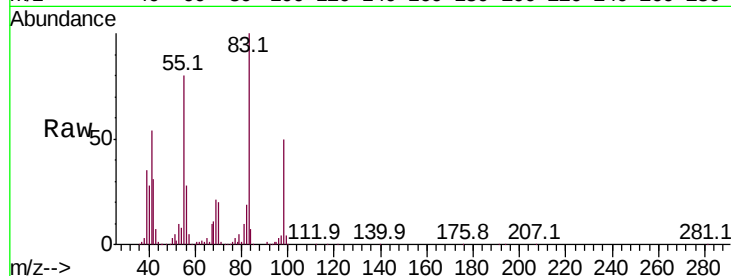
#39
Methvlcvclohexane
Concen: 19.821 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.1	91.7
98	49.8	39.0	58.4

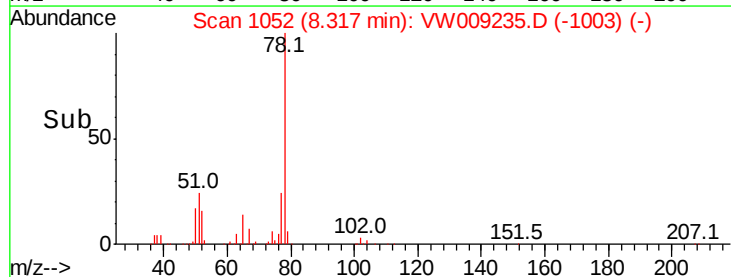
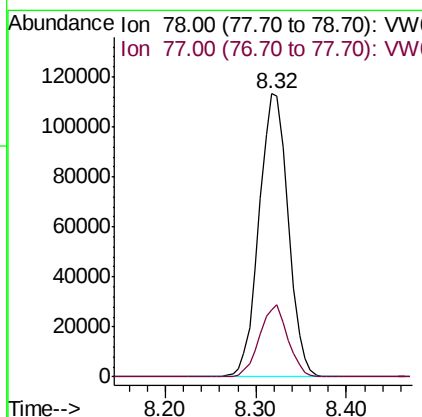
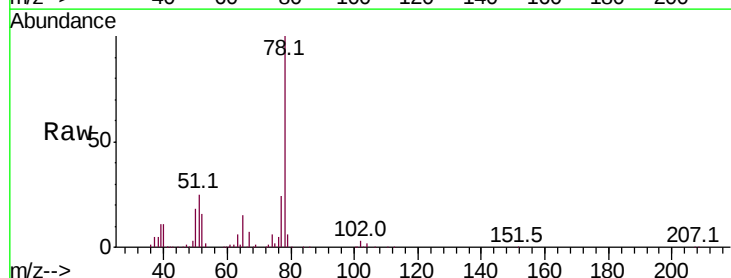
Manual Integrations
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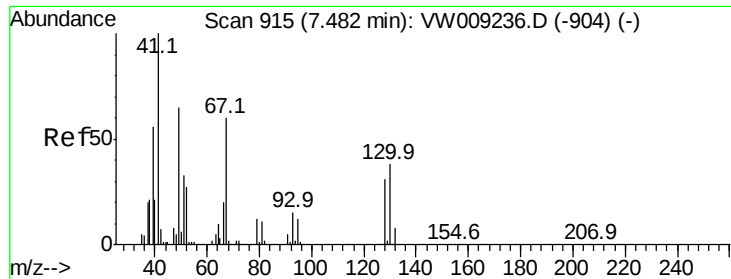
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#40
Benzene
Concen: 20.240 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.6





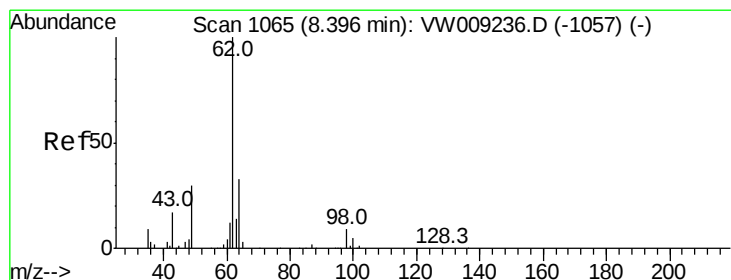
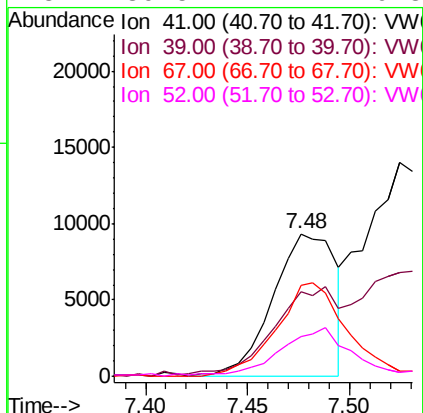
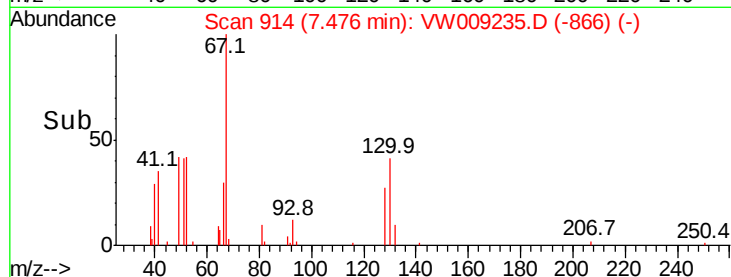
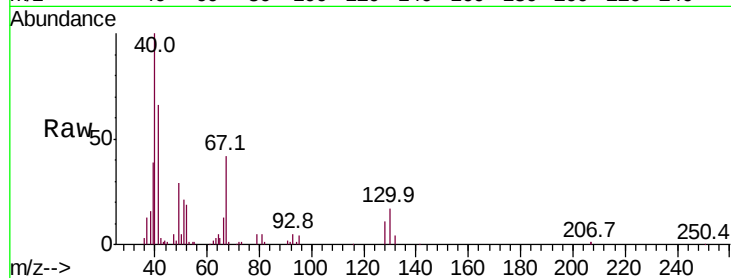
#41
Methacrylonitrile
Concen: 17.740 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	20083
Ion	Ratio	Lower	Upper
41	100		
39	64.2	52.5	78.7
67	74.1	56.6	84.8
52	39.5	27.2	40.8

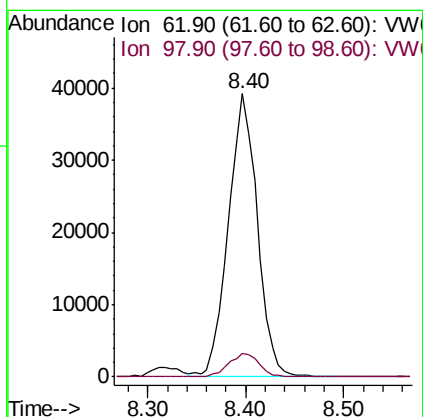
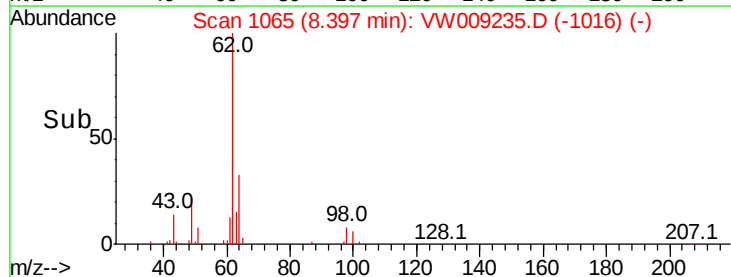
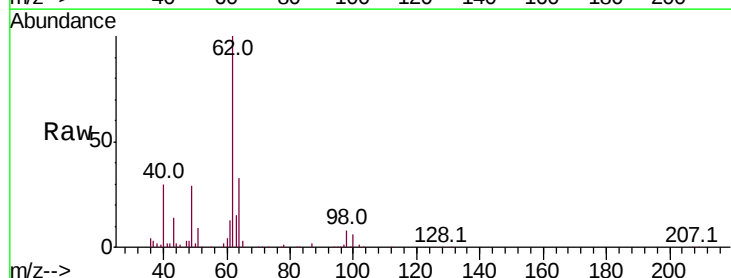
Manual Integrations
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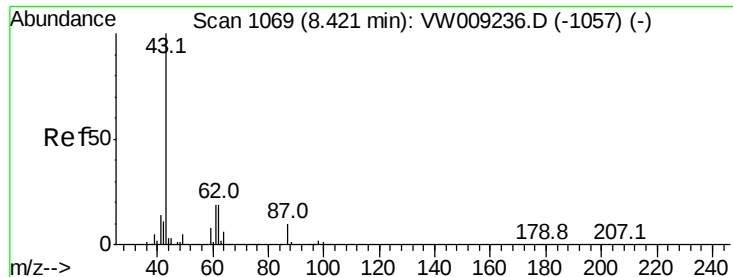
MMDadoda
3/22/2019 3:52:59 AM



#42
1,2-Dichloroethane
Concen: 19.758 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	62	Resp	80619
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 18.930 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

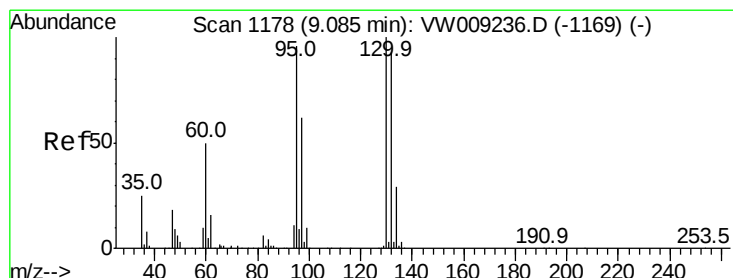
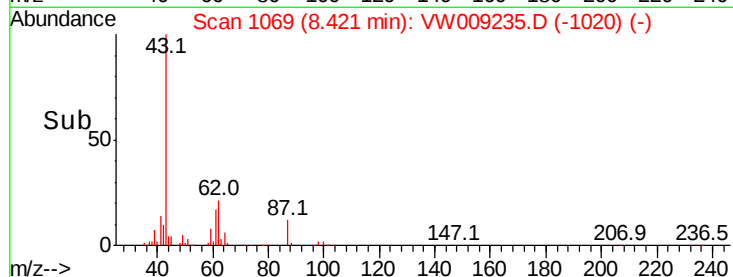
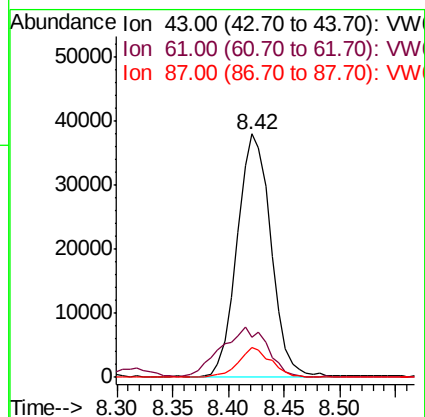
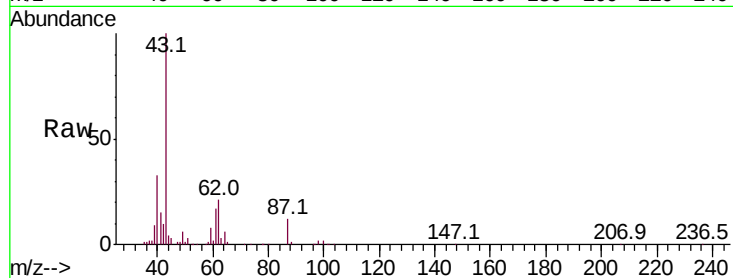
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	79616
Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.2	33.2
87	11.8	9.6	14.4

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#44

Trichloroethene

Concen: 19.758 ug/l

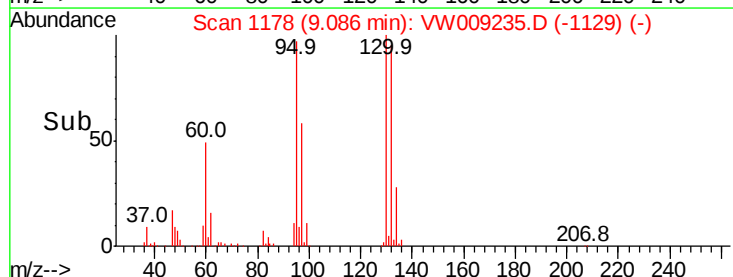
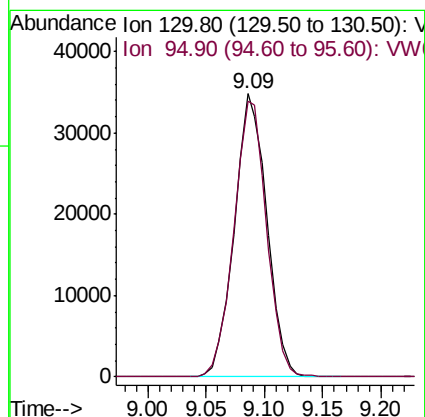
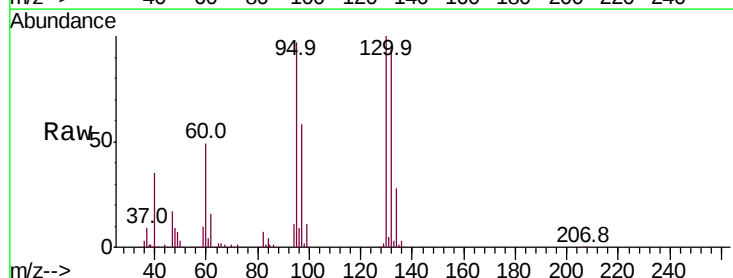
RT: 9.09 min Scan# 1178

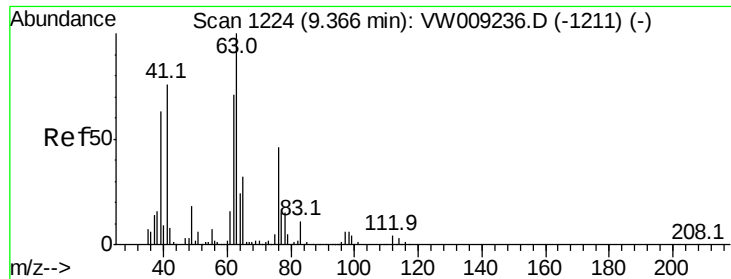
Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Tgt Ion:	130	Resp:	67560
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	192.6





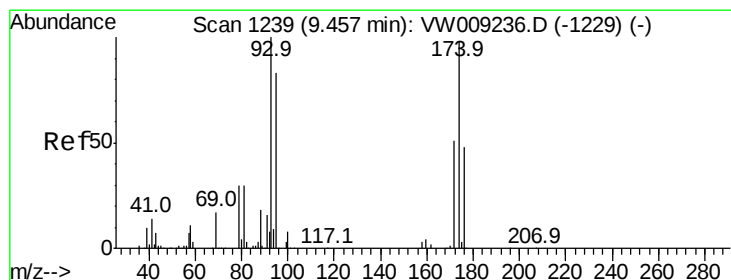
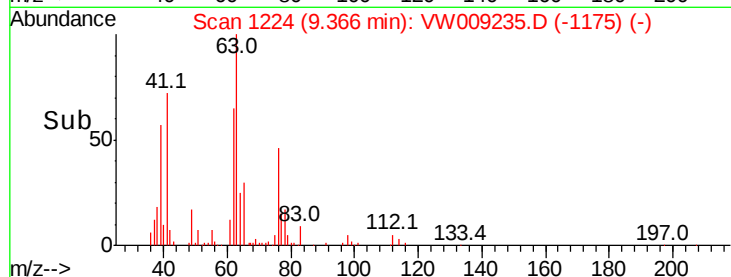
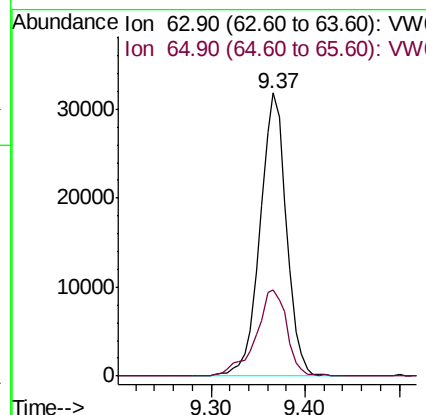
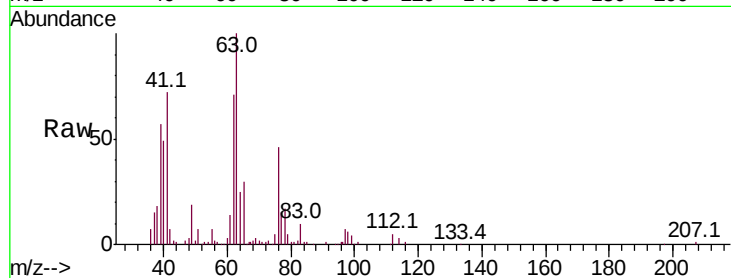
#45
 1,2-Dichloropropane
 Concen: 19.650 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 62350
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.8 38.8

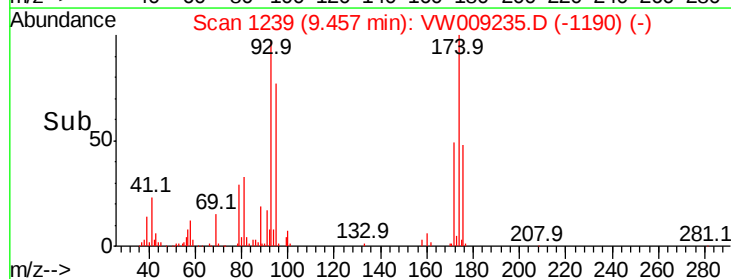
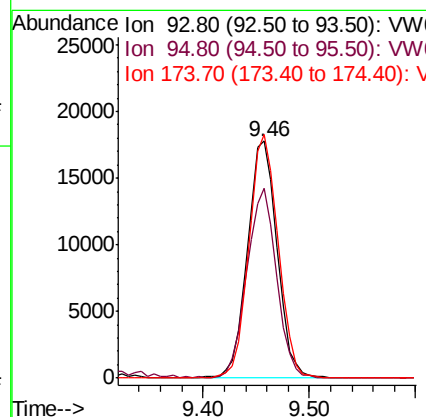
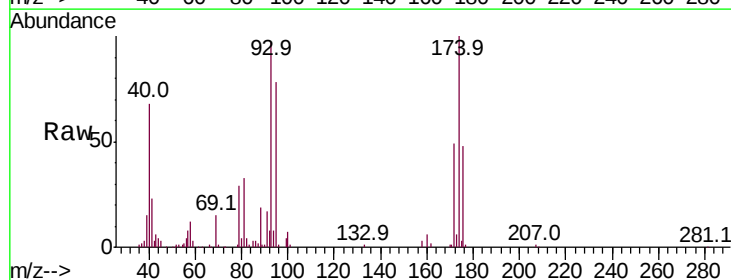
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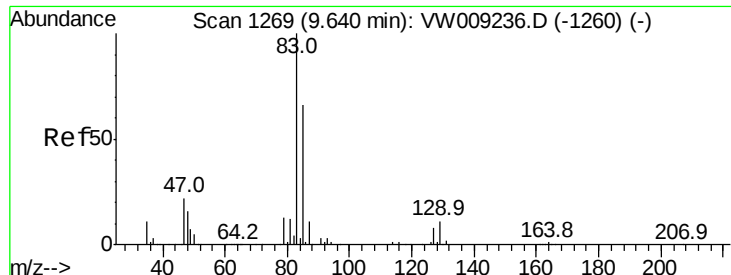
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#46
 Dibromomethane
 Concen: 20.018 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion: 93 Resp: 34929
 Ion Ratio Lower Upper
 93 100
 95 79.9 66.9 100.3
 174 100.7 80.8 121.2





#47

Bromodichloromethane

Concen: 19.772 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

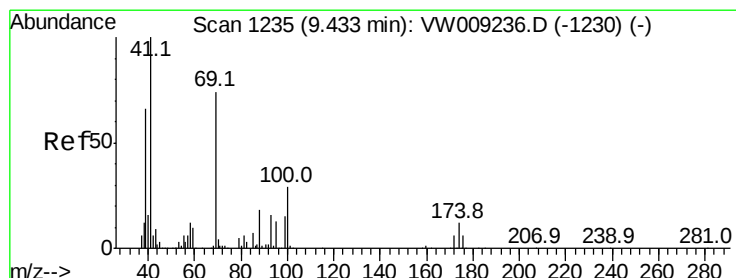
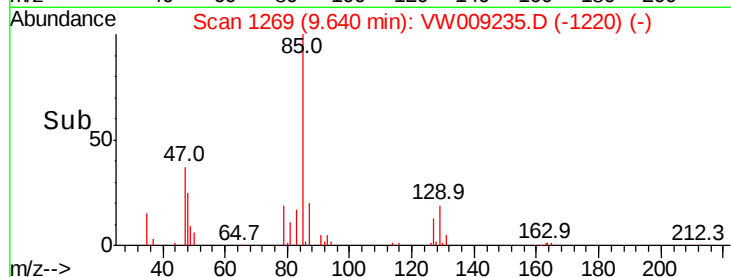
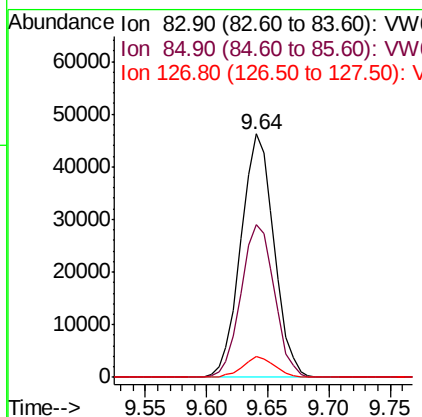
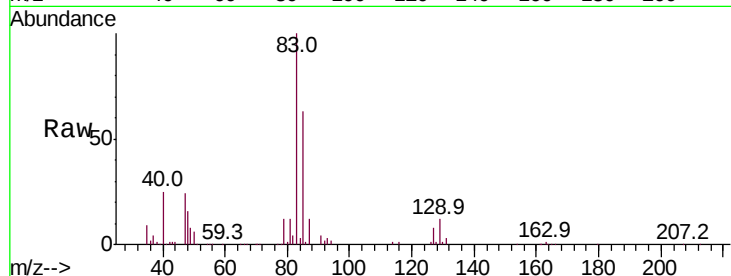
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	87182
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.6	79.0
127	8.4	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.602 ug/l

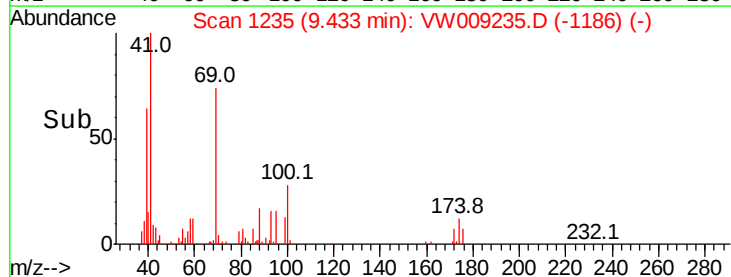
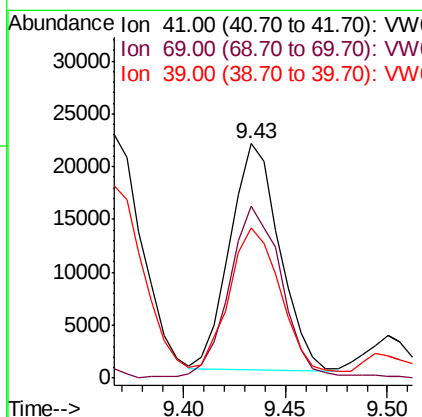
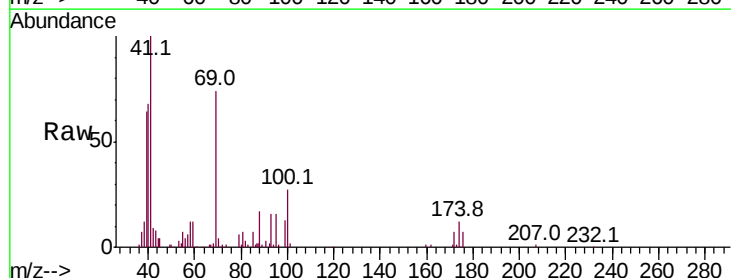
RT: 9.43 min Scan# 1235

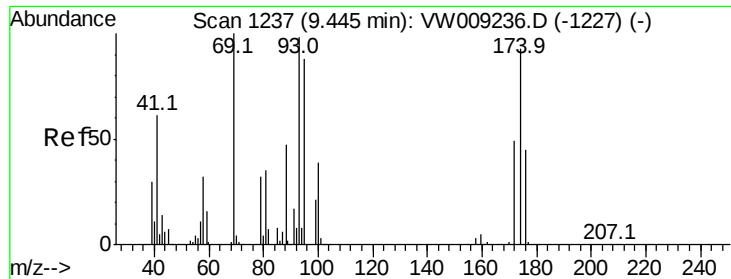
Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Tgt Ion:	41	Resp:	36222
Ion Ratio	Lower	Upper	
41	100		
69	81.4	63.0	94.6
39	63.7	57.2	85.8





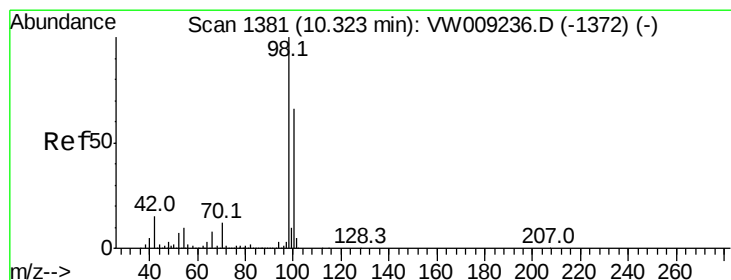
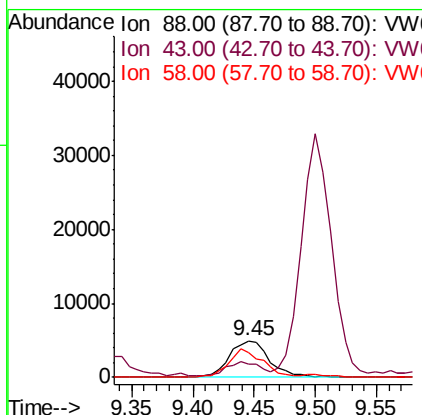
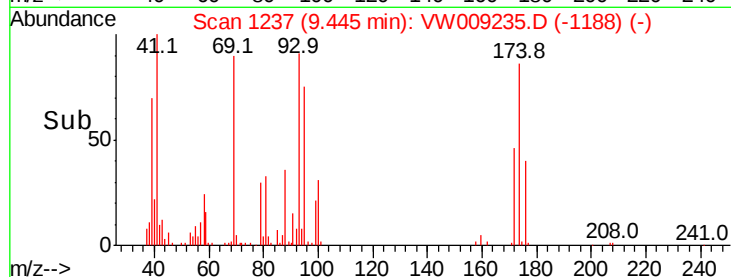
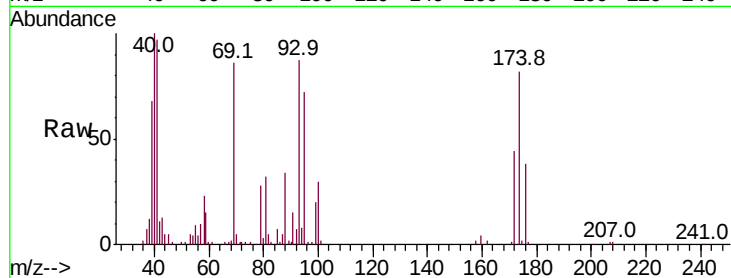
#49
1,4-Dioxane
Concen: 408.731 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	11062
Ion Ratio	100	Lower	Upper
88	100		
43	34.8	29.7	44.5
58	68.2	58.1	87.1

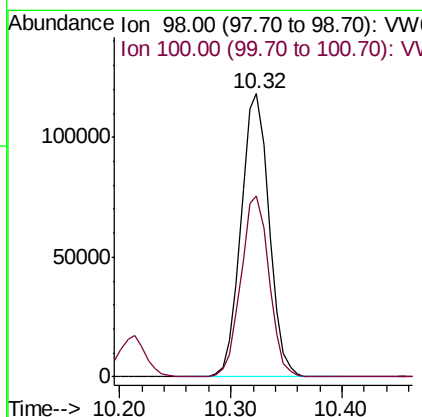
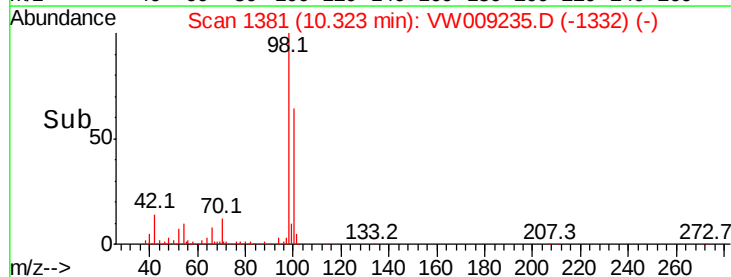
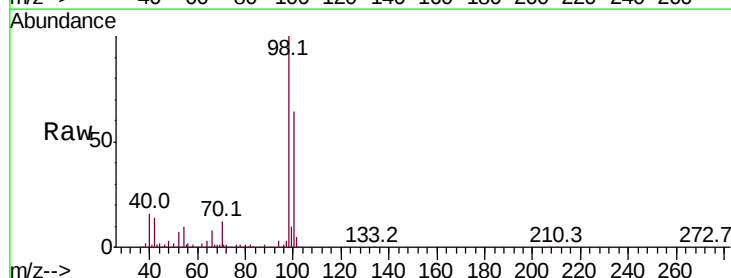
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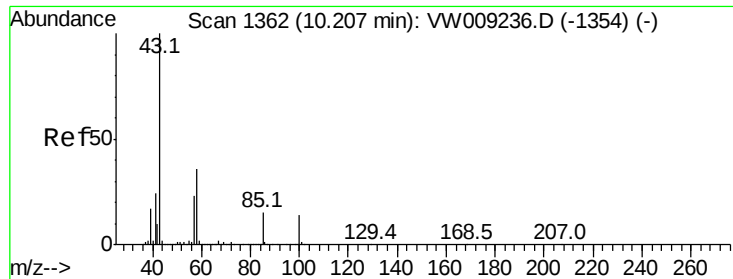
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#50
Toluene-d8
Concen: 19.402 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	98	Resp	206893
Ion Ratio	100	Lower	Upper
98	100		
100	64.2	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 94.216 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 206513

Ion Ratio Lower Upper

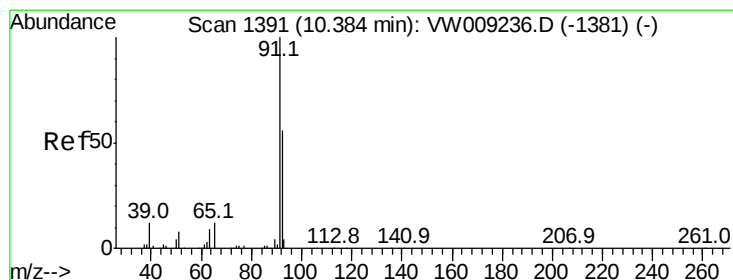
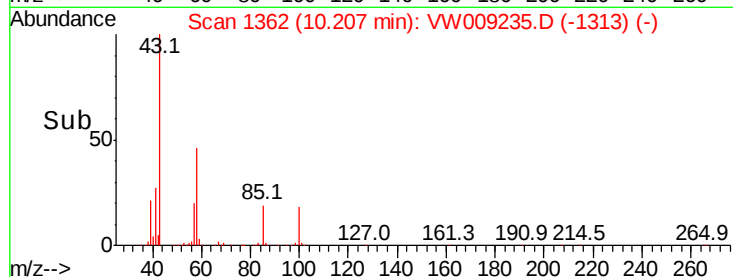
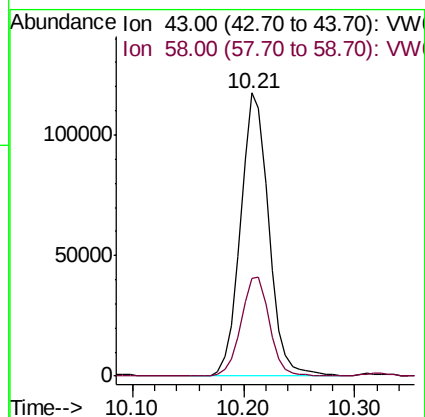
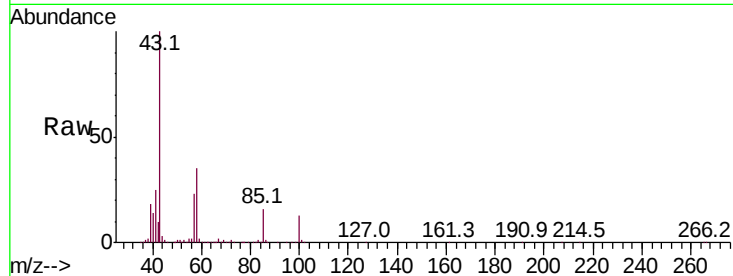
43 100

58 35.3 28.6 42.8

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#52

Toluene

Concen: 20.274 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009235.D

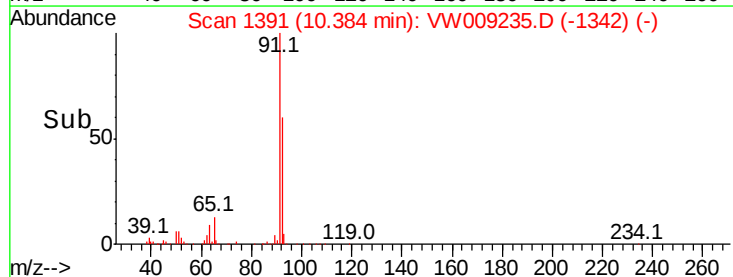
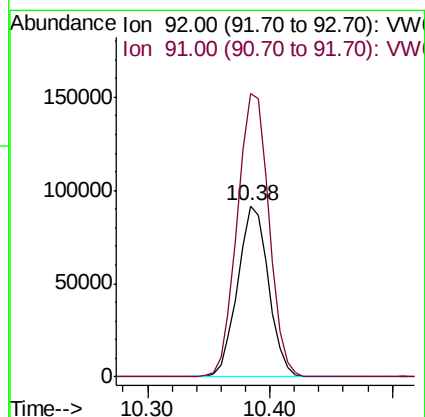
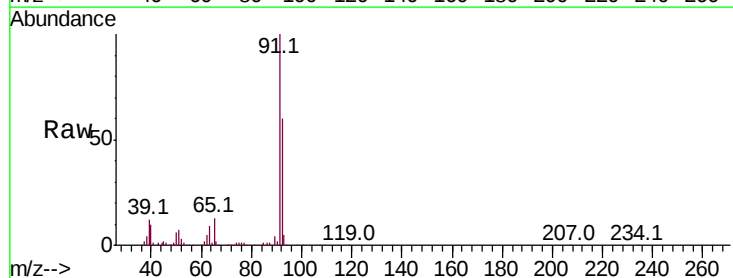
Acq: 19 Mar 2019 11:51

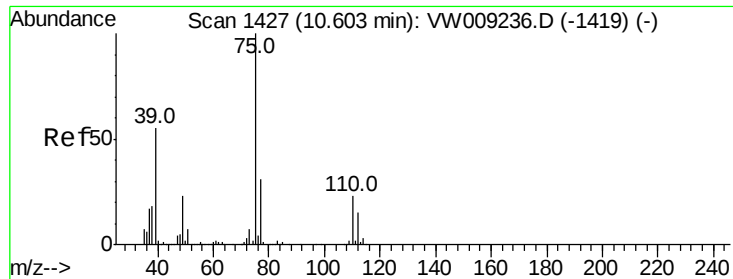
Tgt Ion: 92 Resp: 160348

Ion Ratio Lower Upper

92 100

91 170.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 18.766 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W

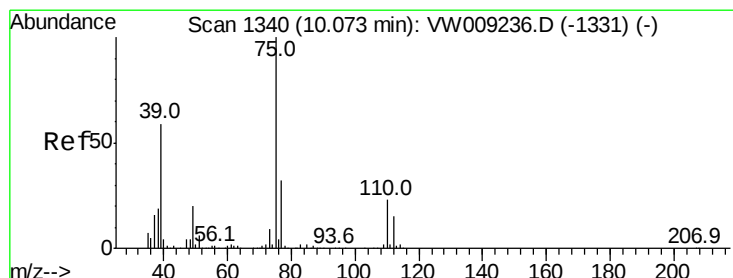
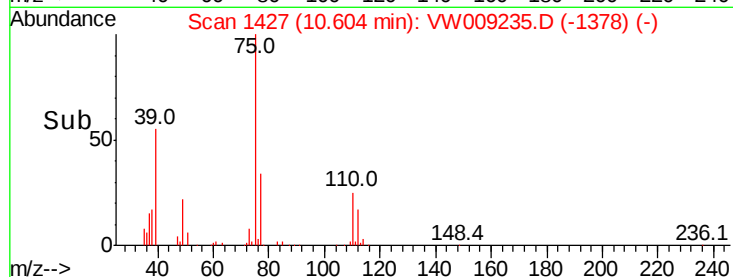
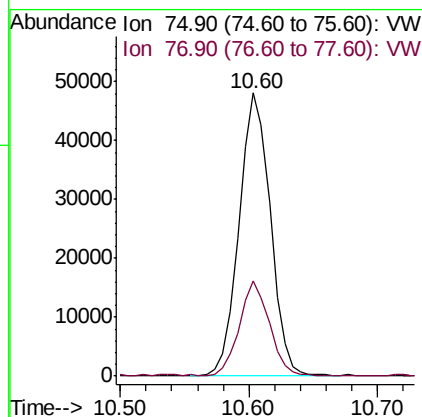
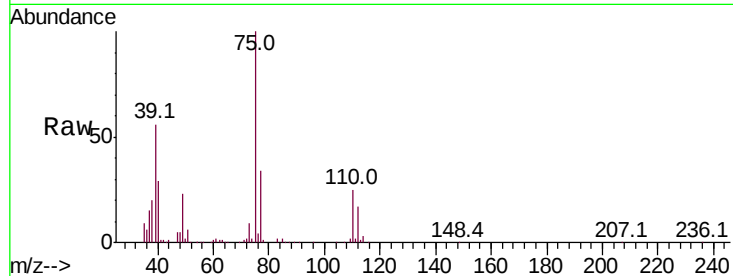
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 80691

Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.8	37.2

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#54

cis-1,3-Dichloropropene

Concen: 19.334 ug/l

RT: 10.07 min Scan# 1339

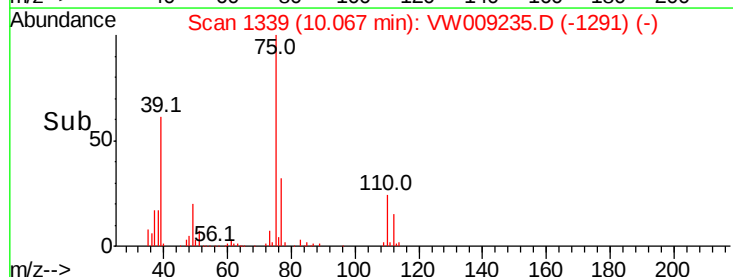
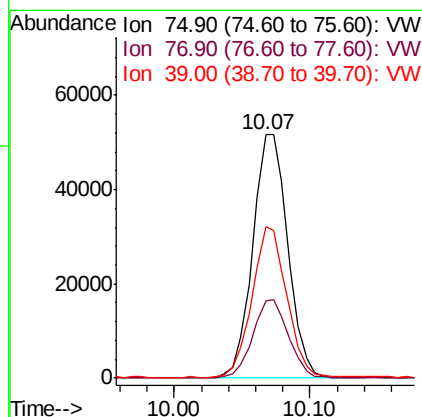
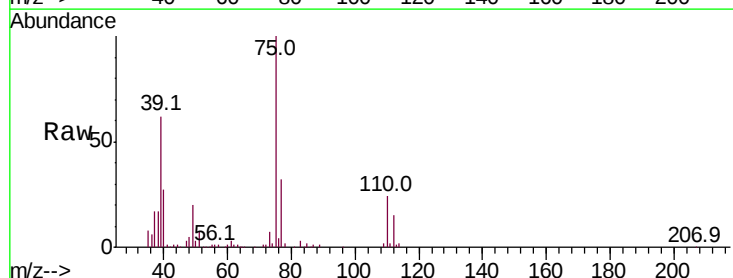
Delta R.T. -0.01 min

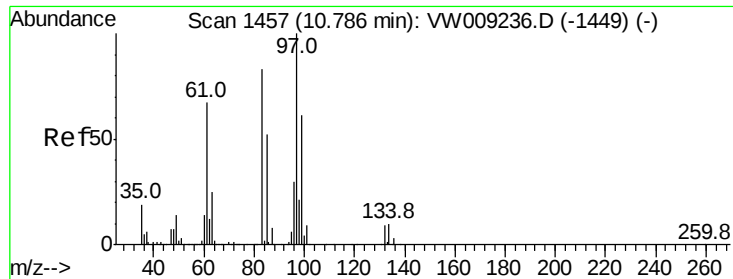
Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Tgt Ion: 75 Resp: 93524

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.9	38.9
39	61.6	46.8	70.2





#55

1,1,2-Trichloroethane

Concen: 19.828 ug/l

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

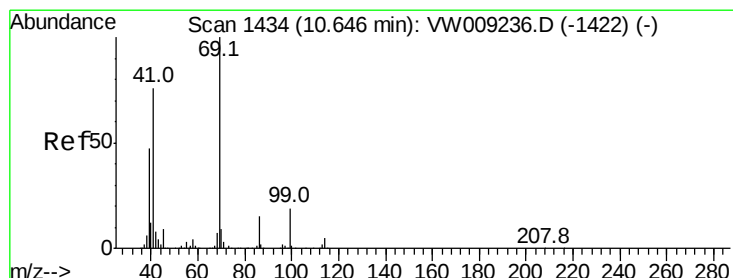
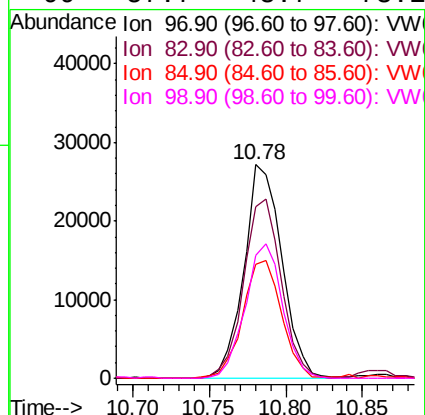
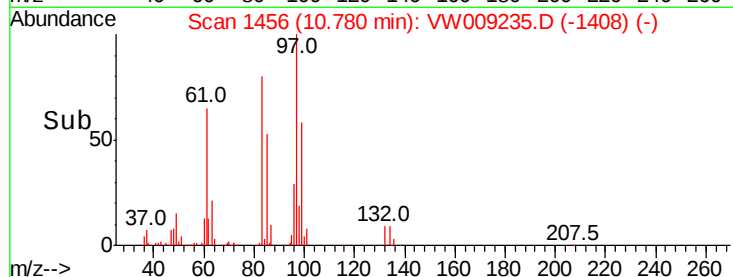
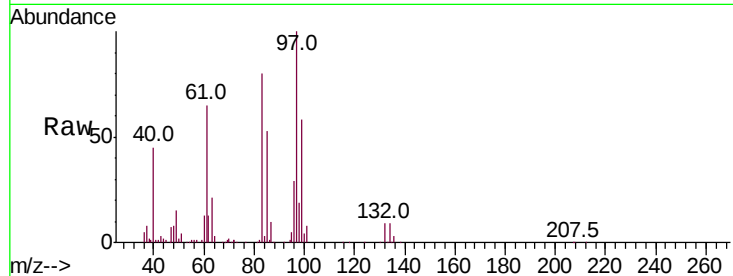
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		46849		
83	80.4	66.3	99.5		
85	53.3	41.4	62.2		
99	57.7	48.7	73.1		

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#56

Ethyl methacrylate

Concen: 18.580 ug/l

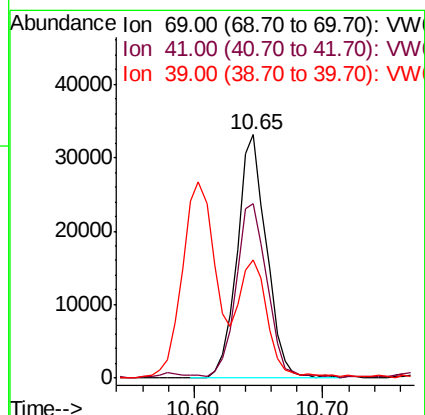
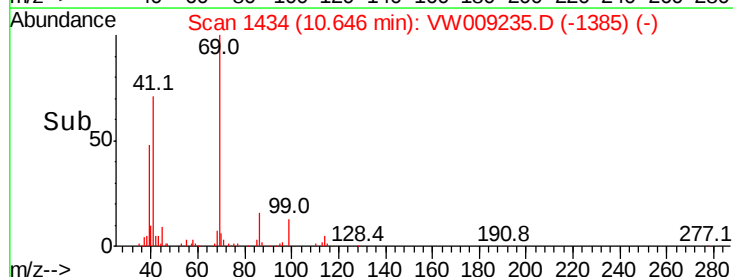
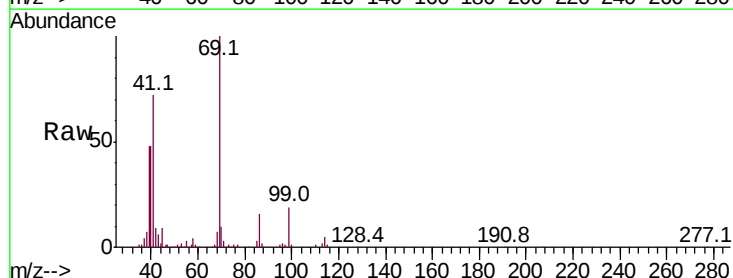
RT: 10.65 min Scan# 1434

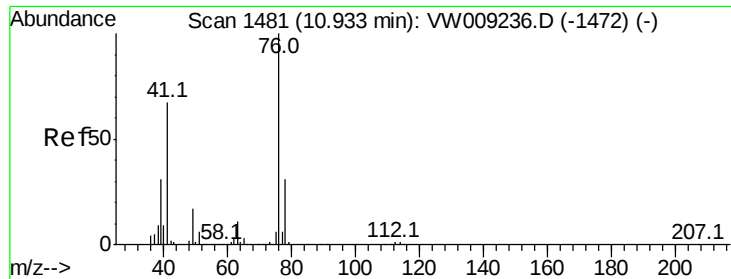
Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		52272		
41	75.3	59.3	88.9		
39	46.0	36.2	54.2		





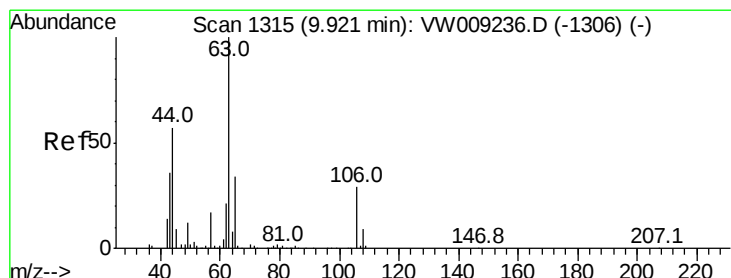
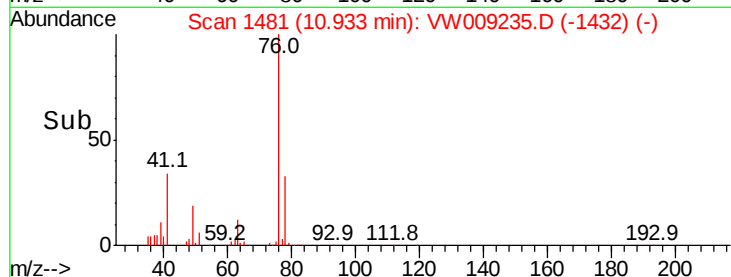
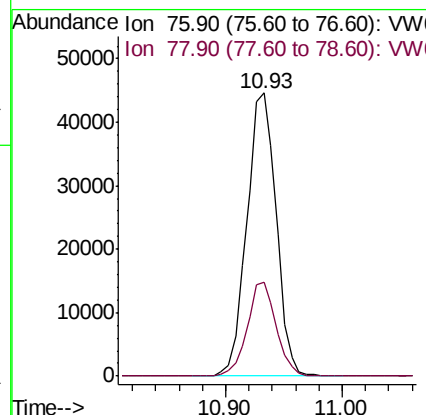
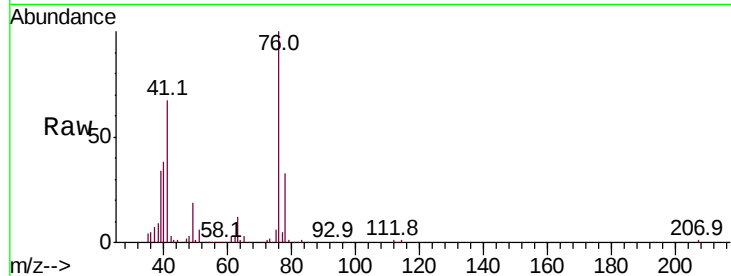
#57
 1,3-Dichloropropane
 Concen: 19.289 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 78606
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6

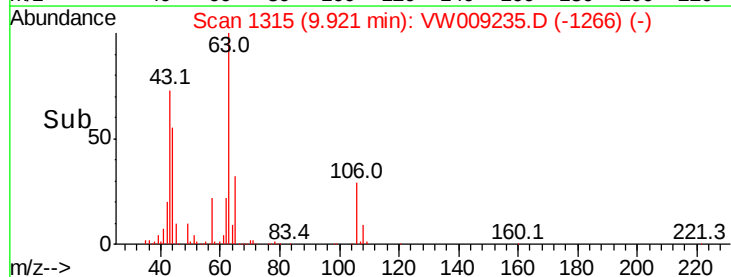
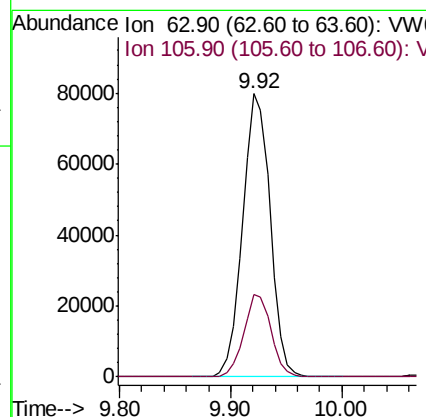
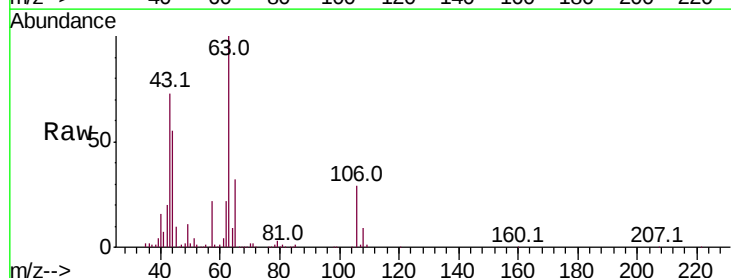
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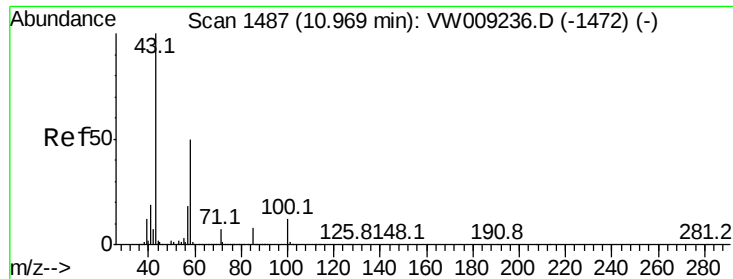
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#58
 2-Chloroethyl Vinyl ether
 Concen: 165.966 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion: 63 Resp: 136623
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.9 34.3





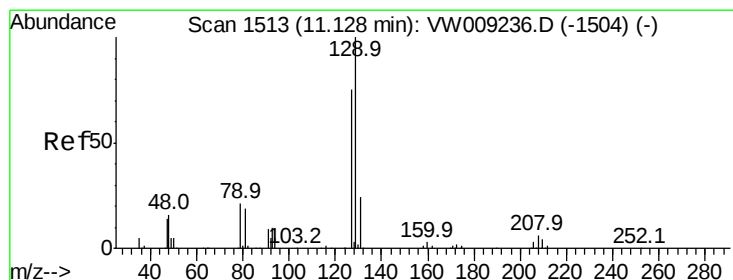
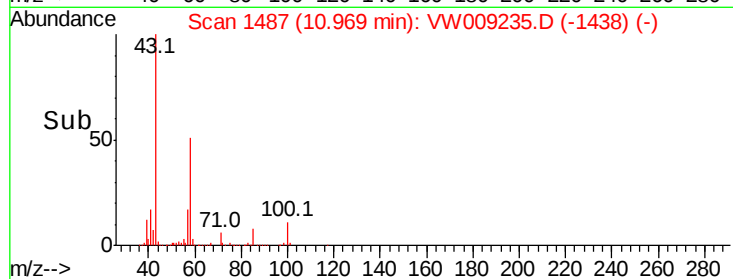
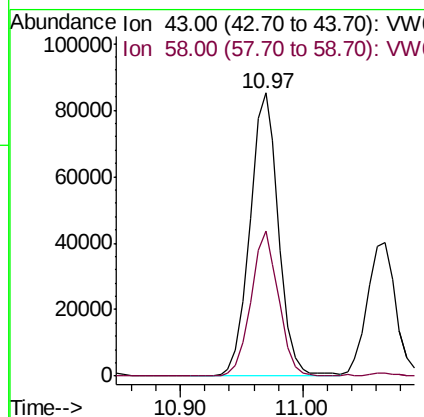
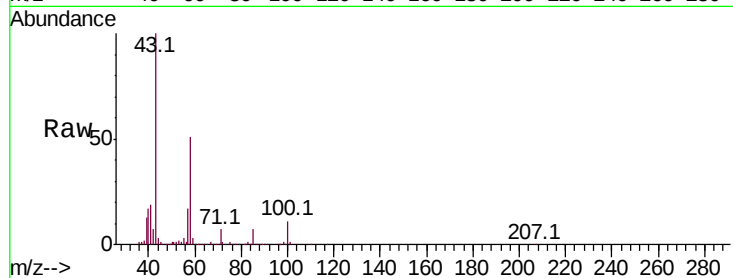
#59
2-Hexanone
Concen: 93.328 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.2	72.6

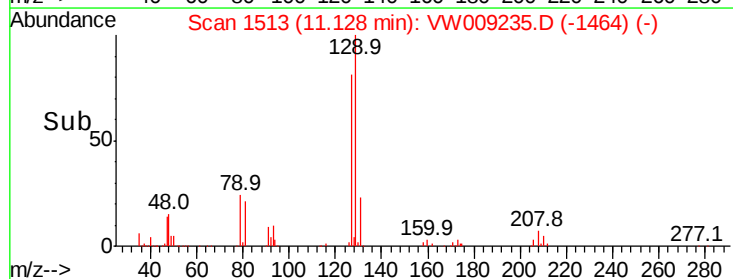
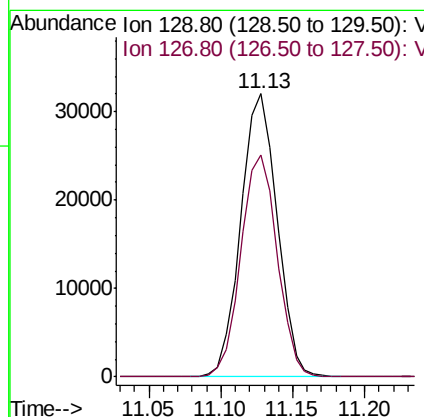
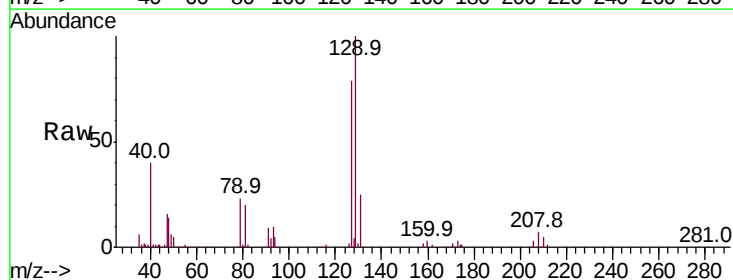
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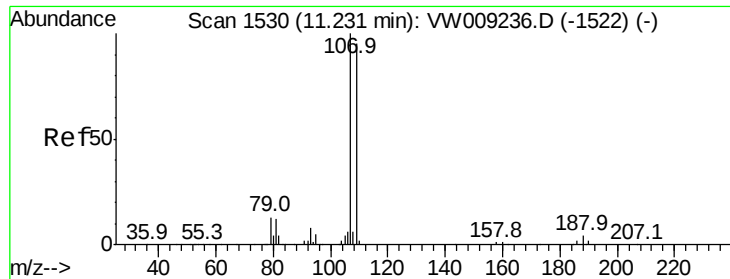
MMDadoda
3/22/2019 3:52:59 AM



#60
Dibromochloromethane
Concen: 19.205 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.1	114.5





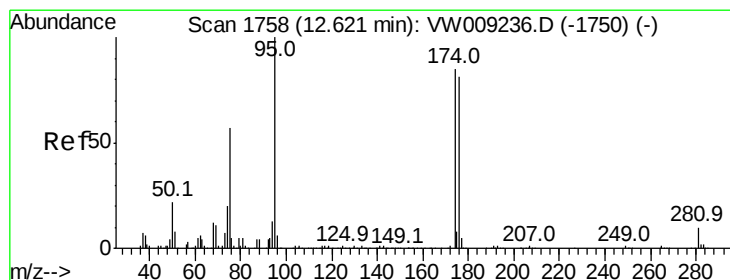
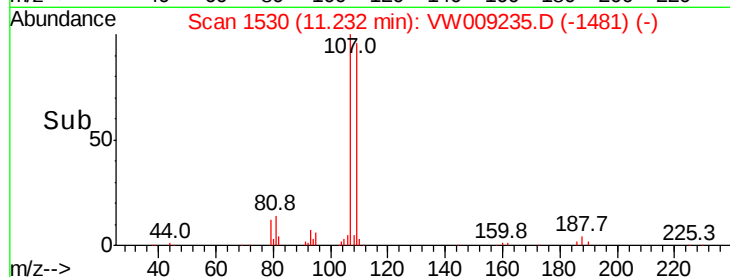
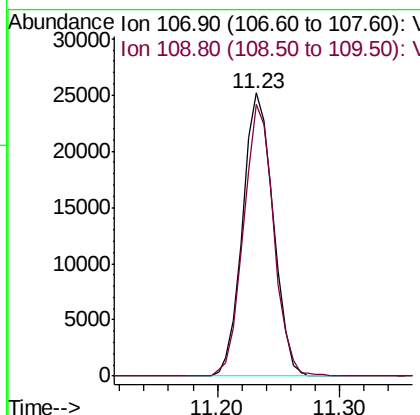
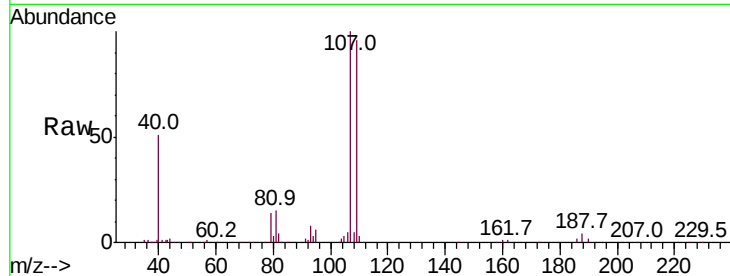
#61
 1,2-Dibromoethane
 Concen: 19.470 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 43814
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.1 112.7

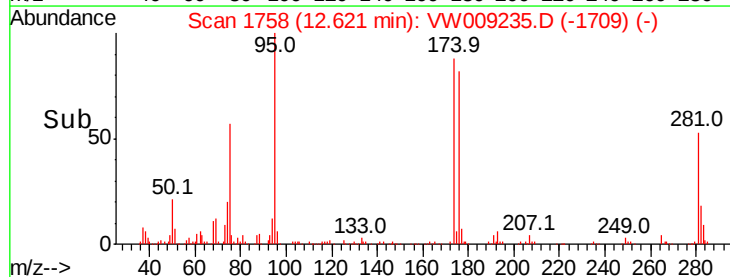
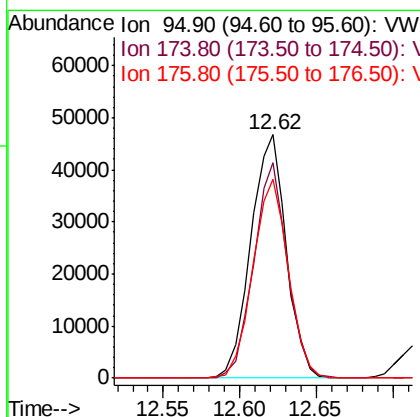
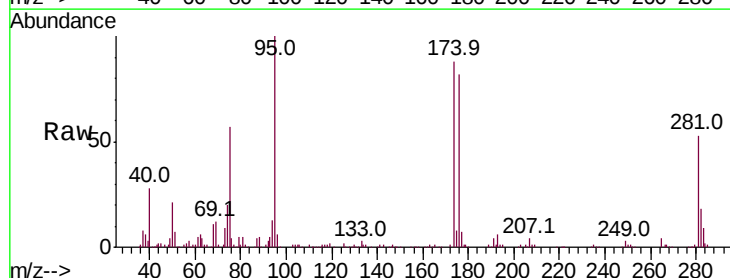
Manual Integrations
 APPROVED

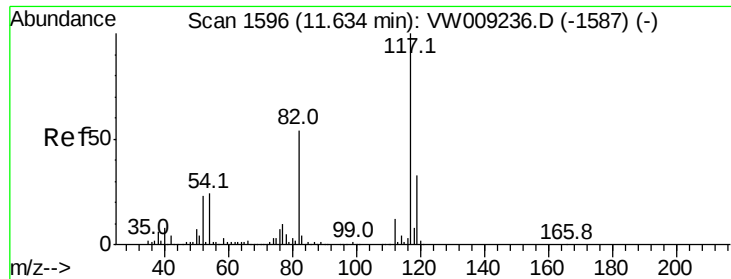
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 3/22/2019 3:52:59 AM



#62
 4-Bromofluorobenzene
 Concen: 19.195 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion: 95 Resp: 75151
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 168.4
 176 81.9 0.0 161.6





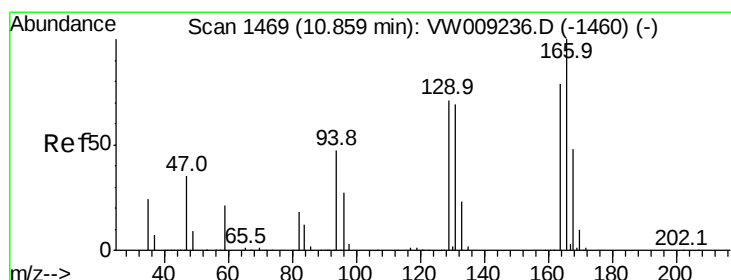
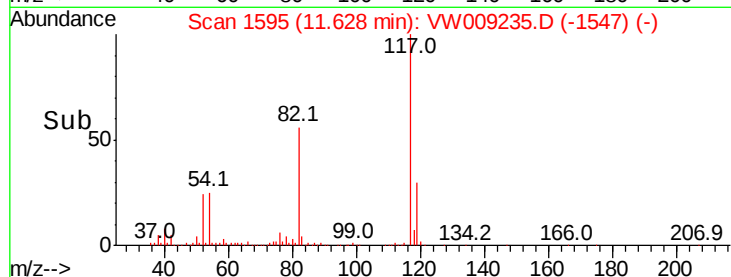
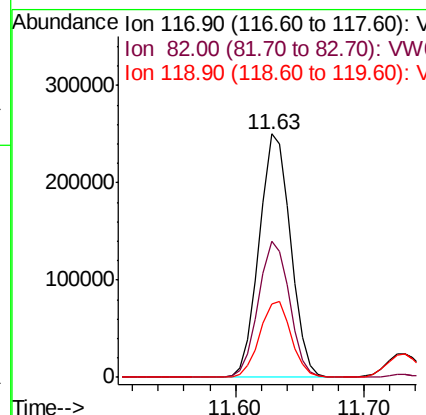
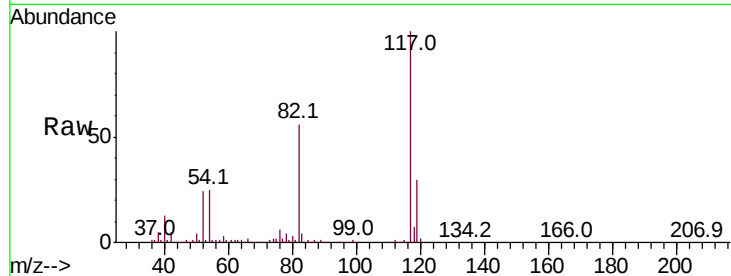
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.6	65.4
119	30.3	26.0	39.0

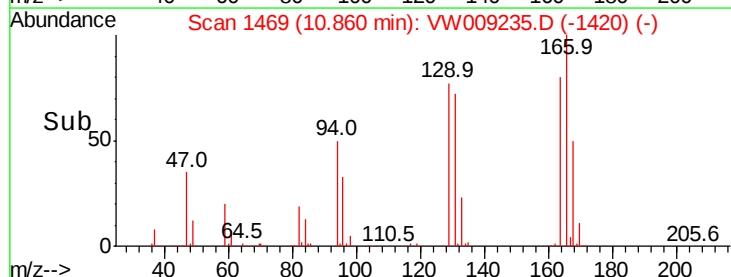
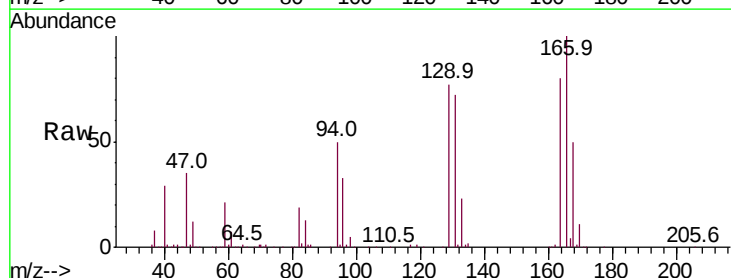
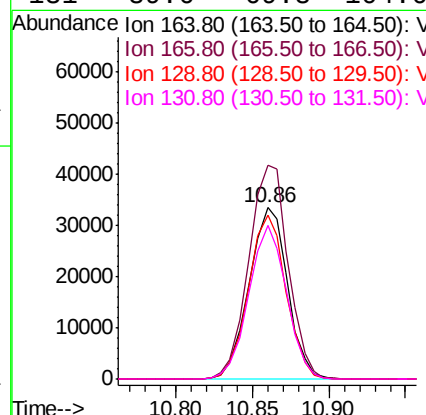
Manual Integrations
APPROVED

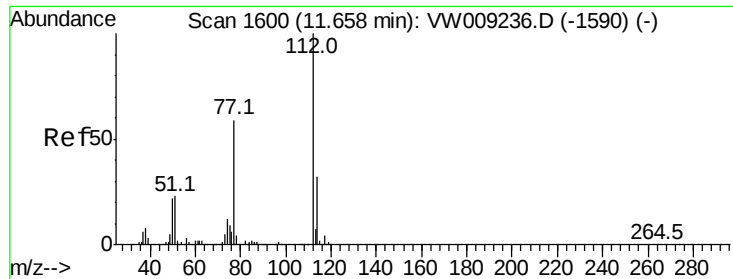
MMDadoda
3/22/2019 3:52:59 AM



#64
Tetrachloroethene
Concen: 20.314 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	100.9	151.3
129	95.8	72.0	108.0
131	89.6	69.8	104.6





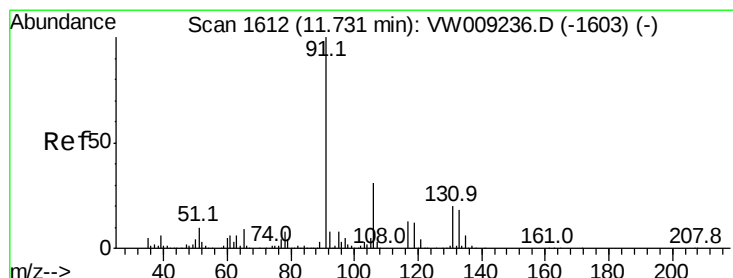
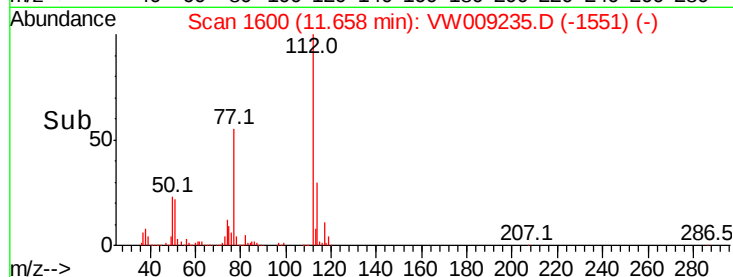
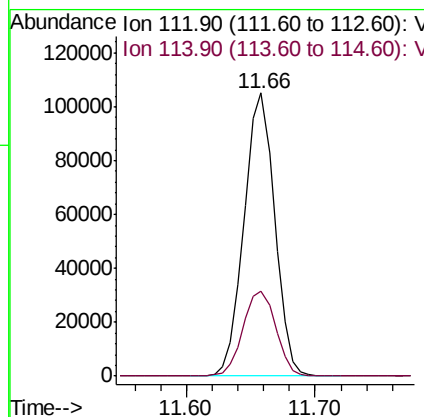
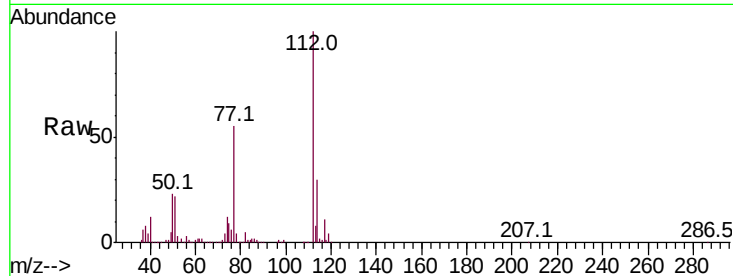
#65
Chlorobenzene
Concen: 19.870 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.1	25.6	38.4

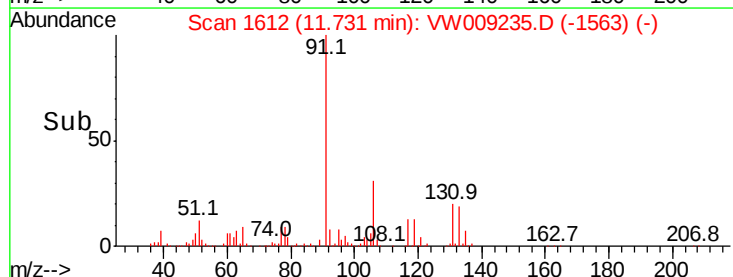
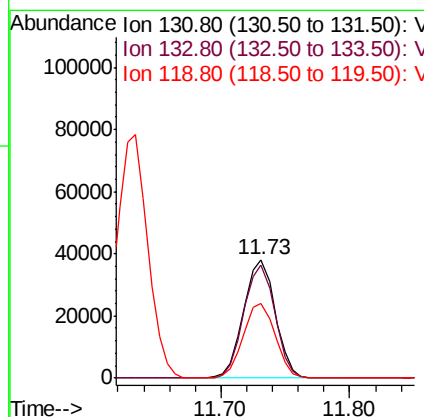
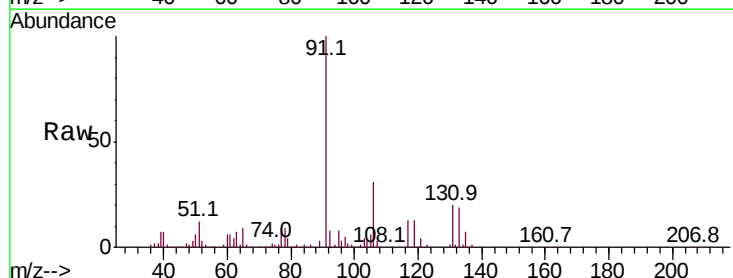
Manual Integrations
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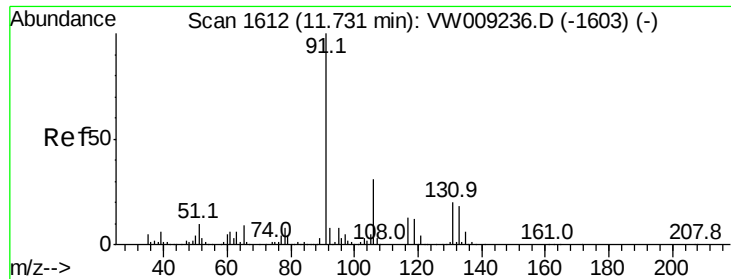
MMDadoda
3/22/2019 3:52:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.962 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.3	141.8
119	63.9	31.6	95.0





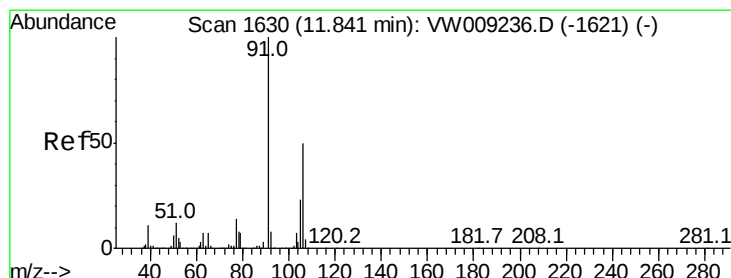
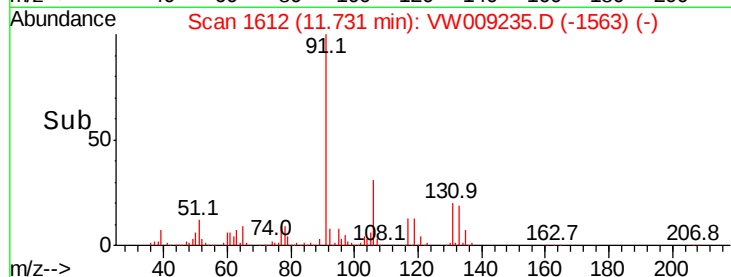
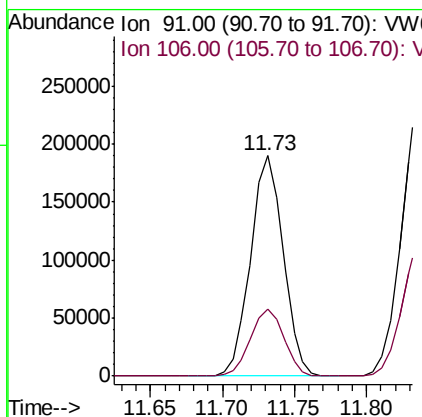
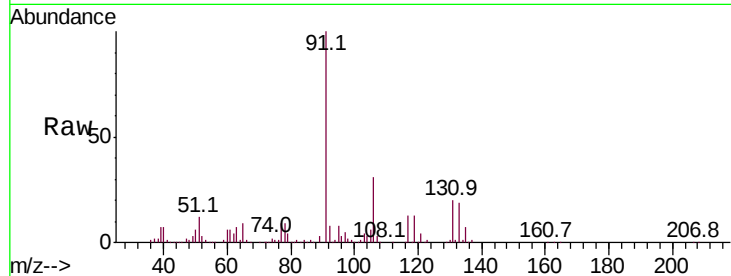
#67
Ethyl Benzene
Concen: 19.792 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.6	36.8

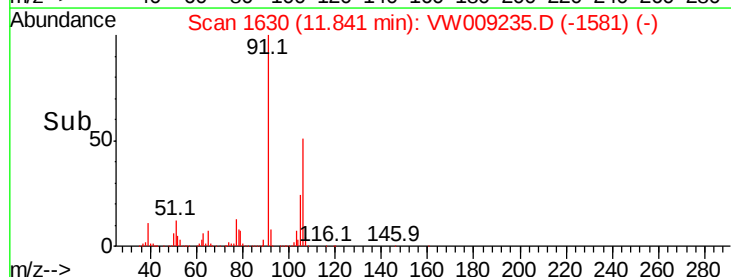
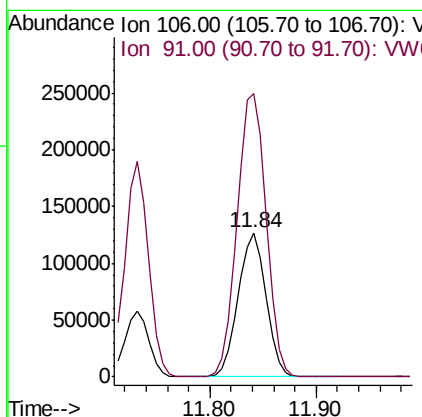
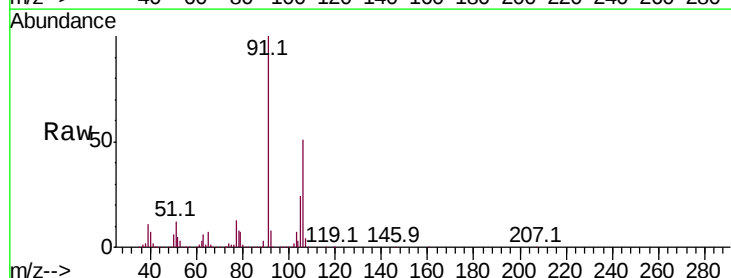
Manual Integrations
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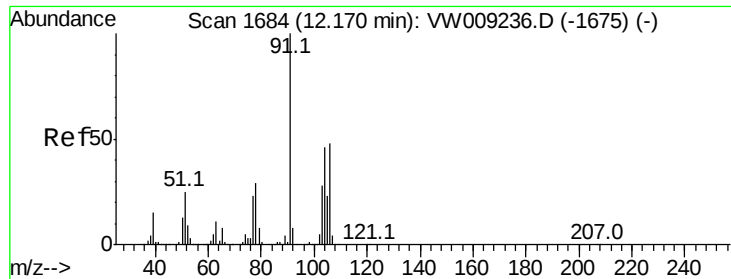
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#68
m/p-Xylenes
Concen: 40.026 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.7	163.1	244.7





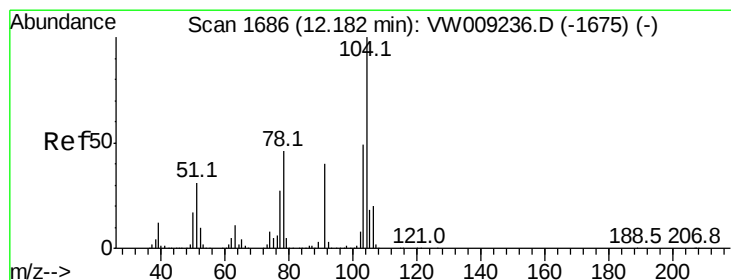
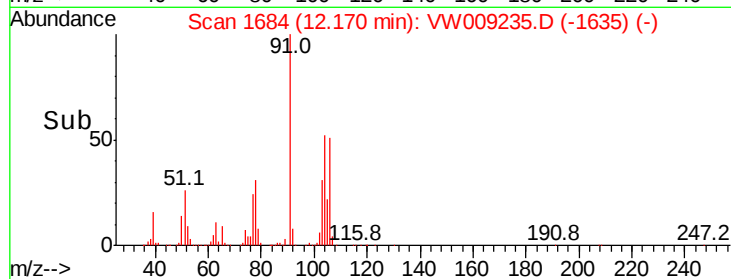
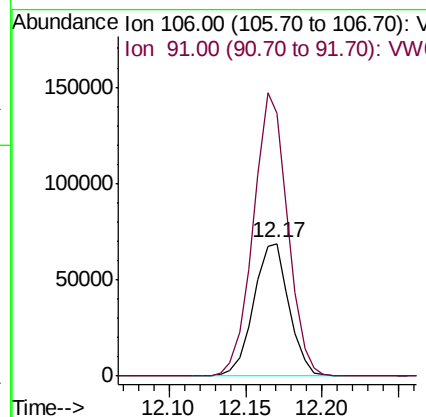
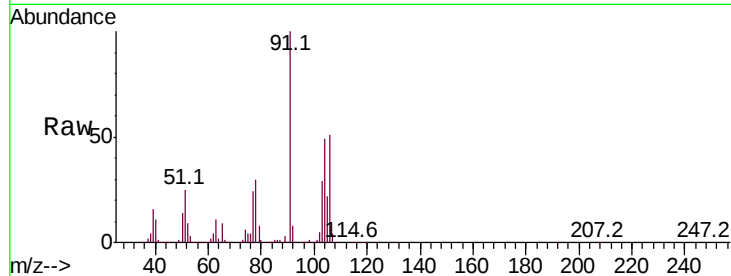
#69
o-Xylene
Concen: 20.349 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.3	108.6	325.8

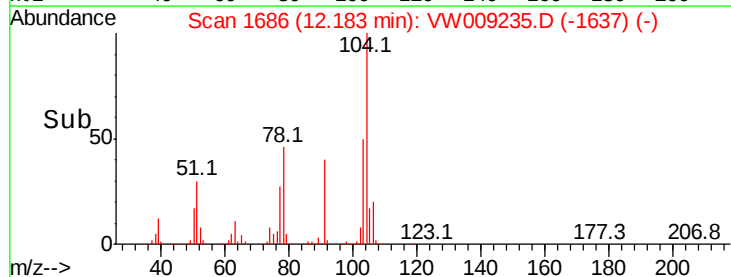
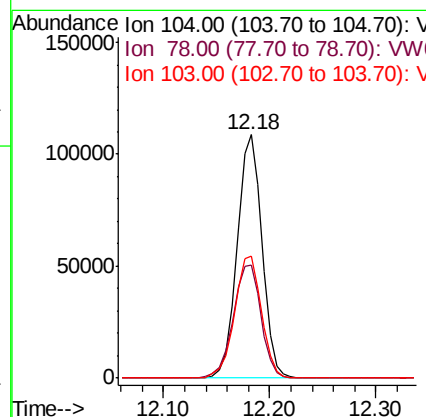
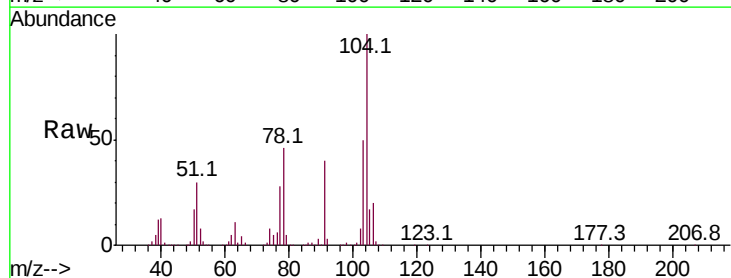
Manual Integrations
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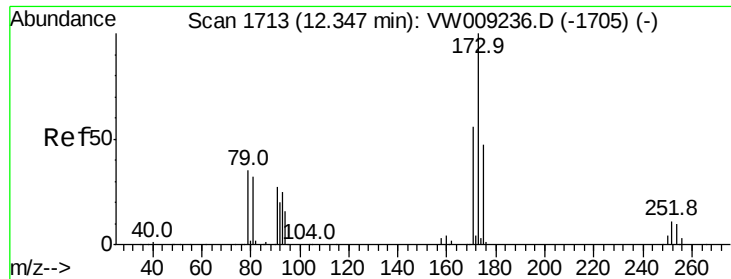
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#70
Styrene
Concen: 19.886 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.2	63.4
103	54.5	44.6	66.8





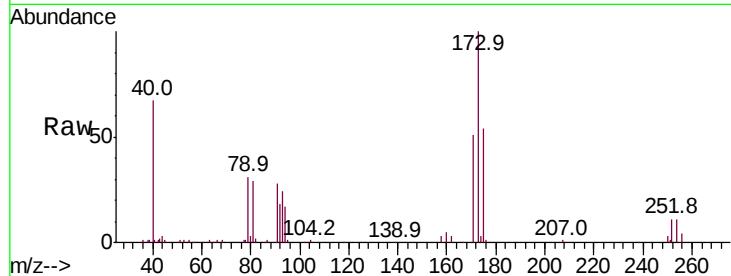
#71
Bromoform
Concen: 19.034 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.1	72.4
254	0.1	0.2	0.4

Manual Integrations
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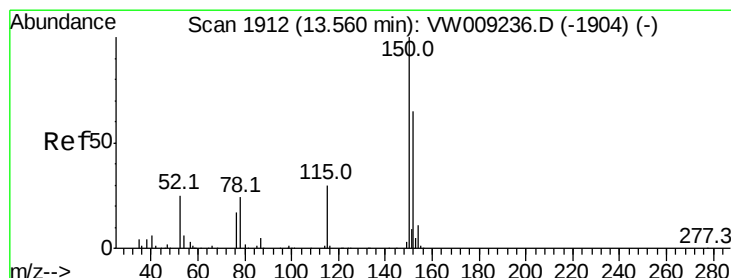
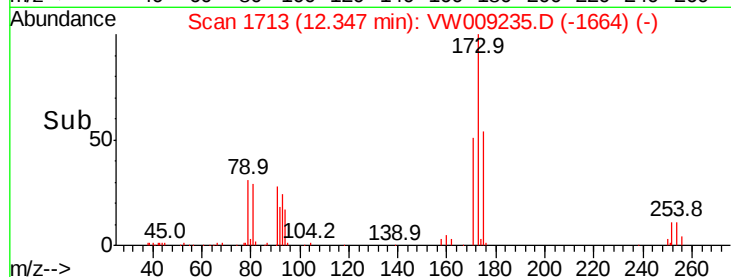
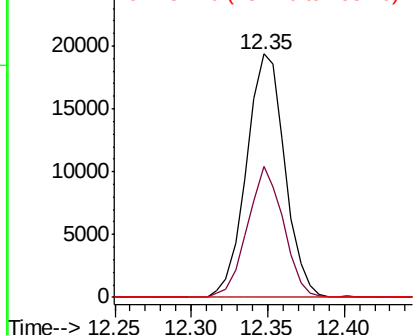


Abundance

Ion 172.70 (172.40 to 173.40): V

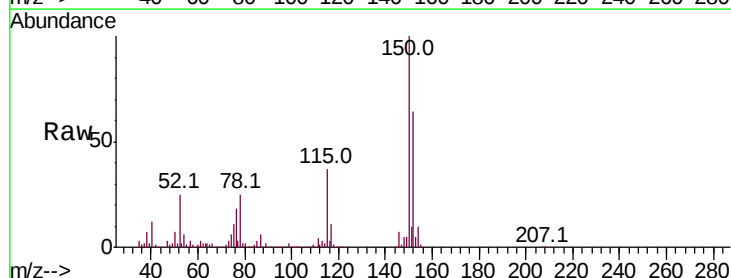
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.6	88.8
150	164.2	0.0	349.2

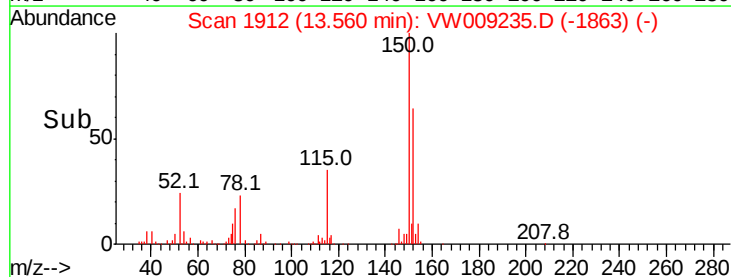
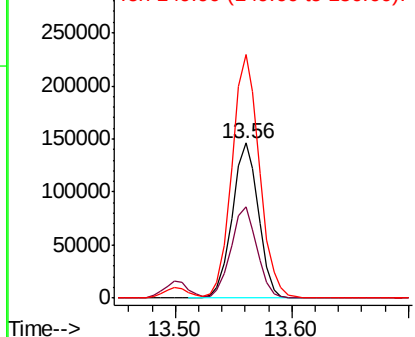


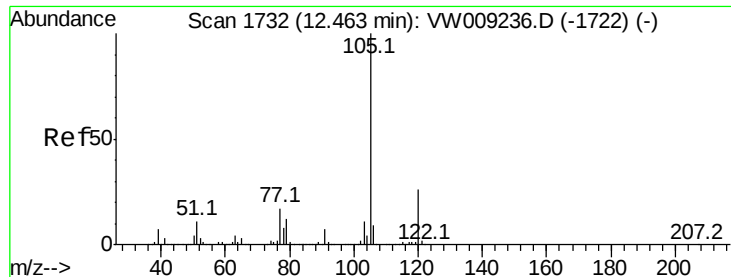
Abundance

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: 19.886 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 304345

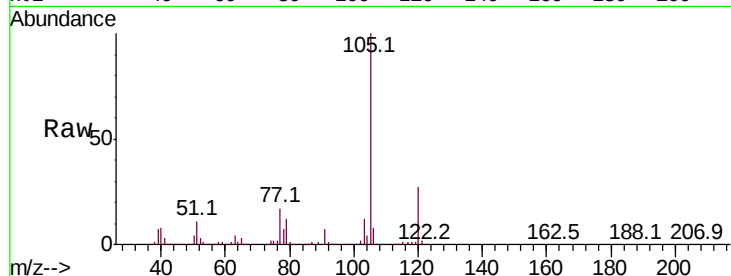
Ion Ratio Lower Upper

105 100

120 26.5 13.0 39.0

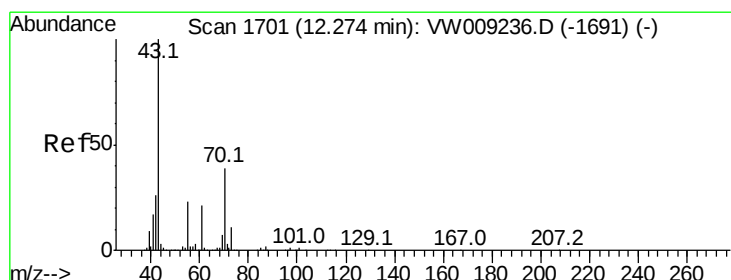
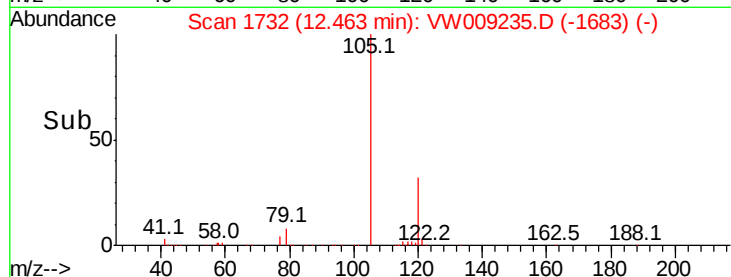
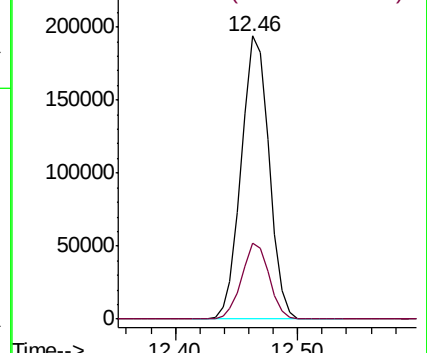
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.339 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Tgt Ion: 43 Resp: 73210

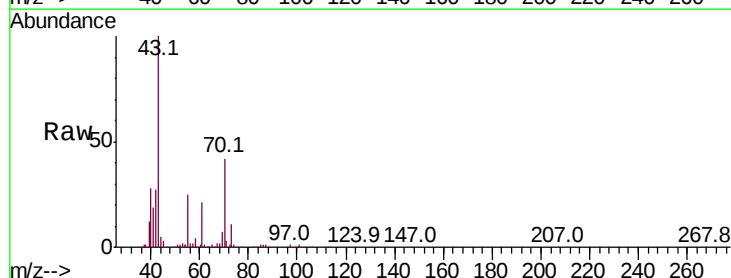
Ion Ratio Lower Upper

43 100

70 40.0 30.6 46.0

55 26.6 19.3 28.9

61 21.8 17.0 25.4

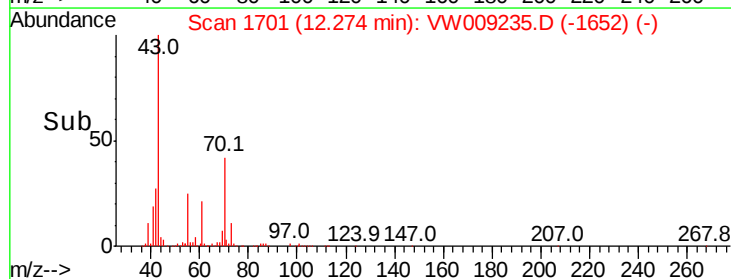
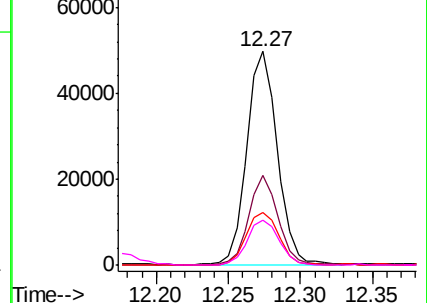


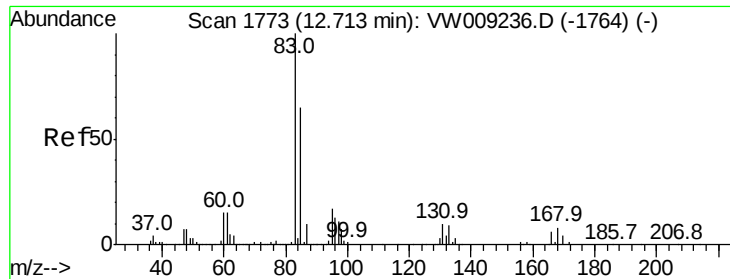
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 18.916 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

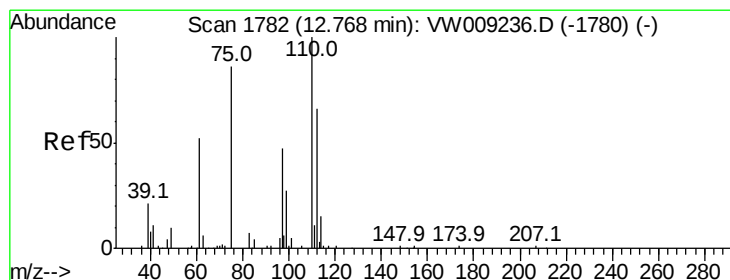
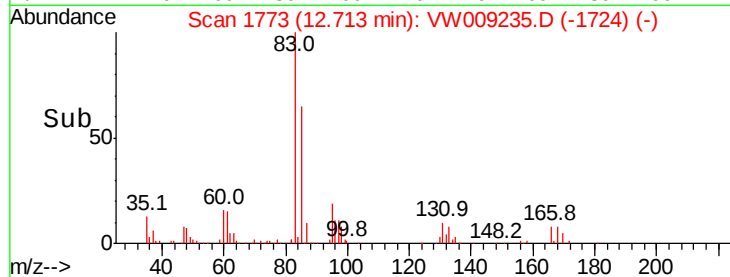
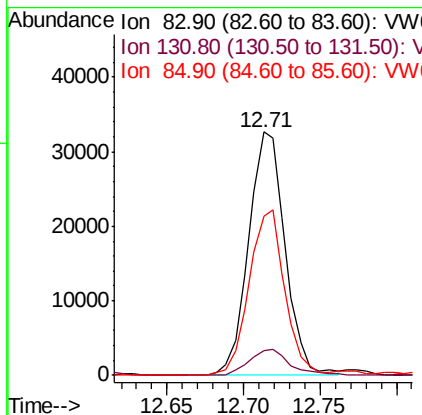
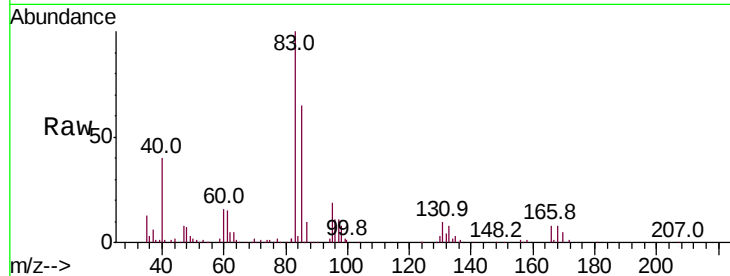
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	54152
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.3	16.1
85	66.6	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.316 ug/l m

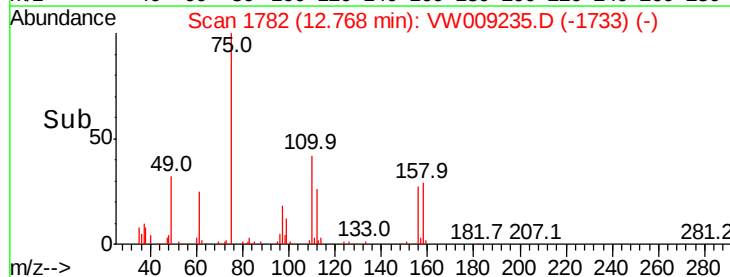
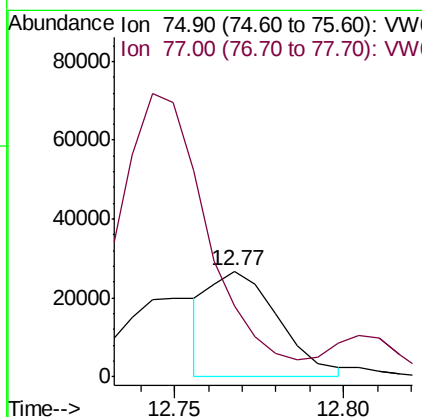
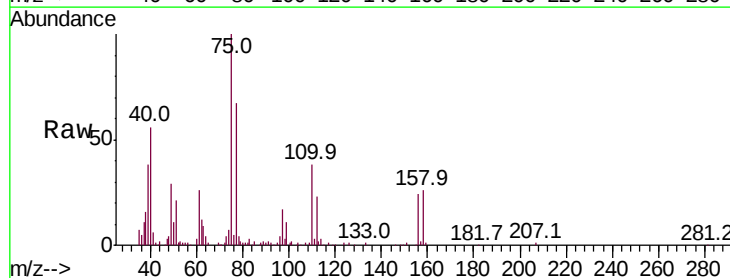
RT: 12.77 min Scan# 1782

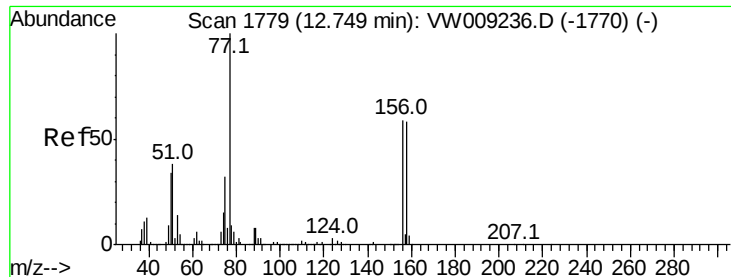
Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Tgt Ion:	75	Resp:	37773
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.719 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 71482

Ion Ratio Lower Upper

156 100

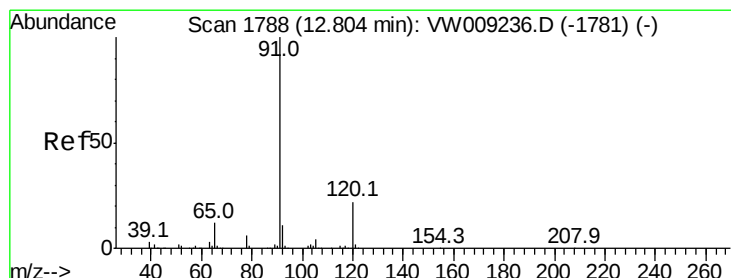
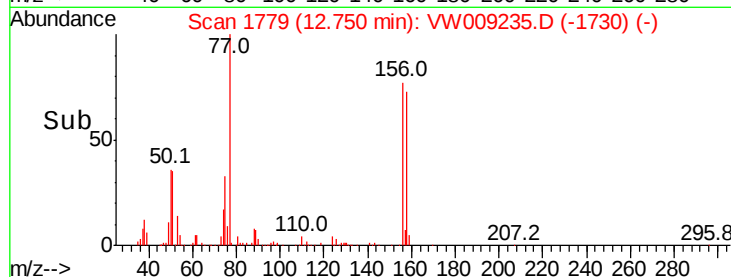
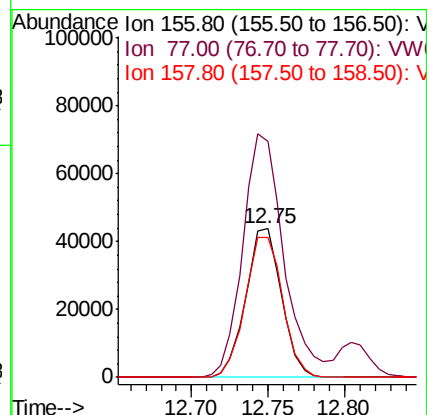
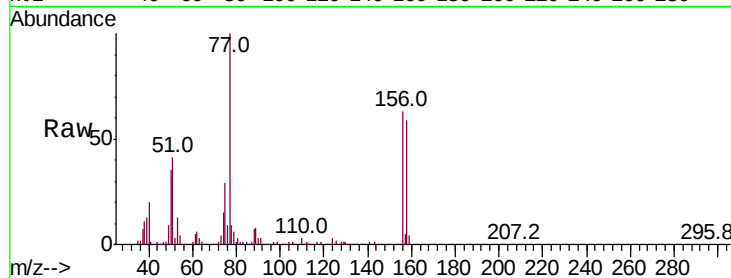
77 186.8 96.0 288.0

158 98.3 49.1 147.3

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#78

n-propylbenzene

Concen: 19.767 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009235.D

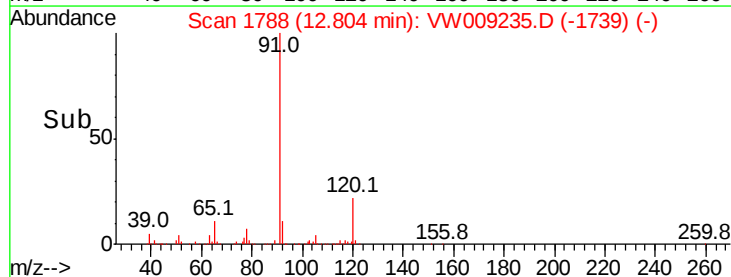
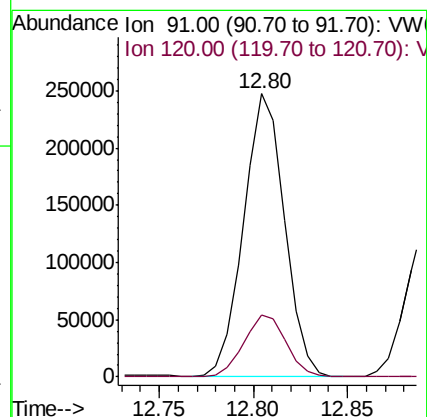
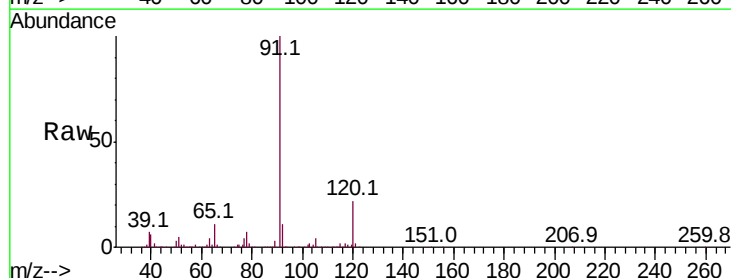
Acq: 19 Mar 2019 11:51

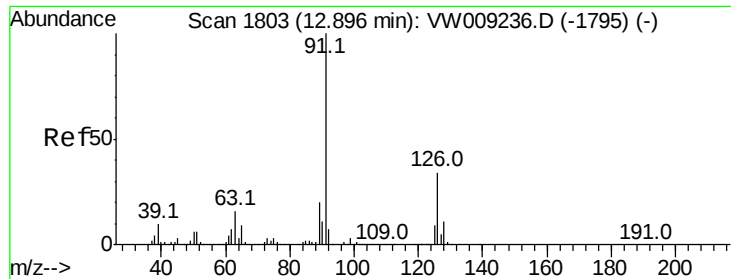
Tgt Ion: 91 Resp: 371545

Ion Ratio Lower Upper

91 100

120 22.7 11.1 33.3





#79

2-Chlorotoluene

Concen: 19.777 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 211172

Ion Ratio Lower Upper

91 100

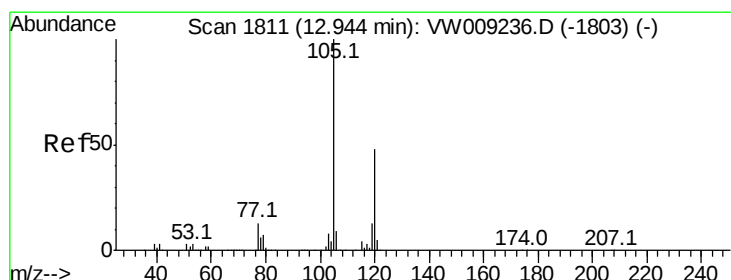
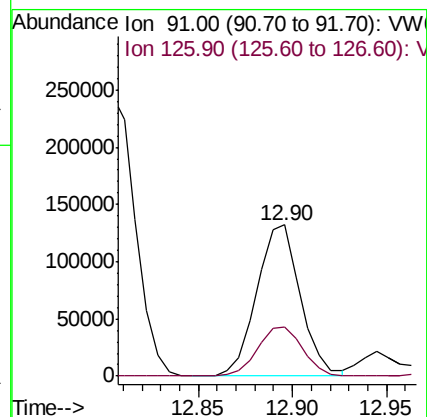
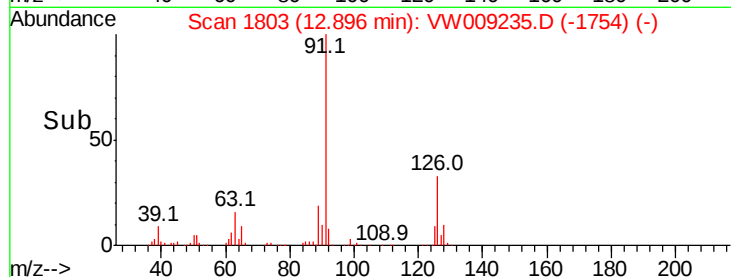
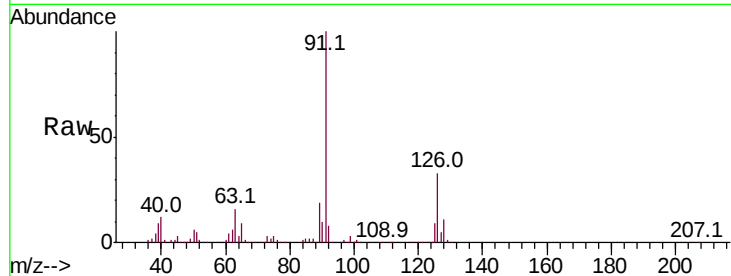
126 34.0 17.0 51.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.104 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009235.D

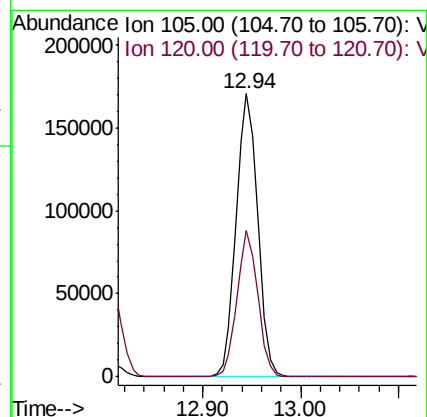
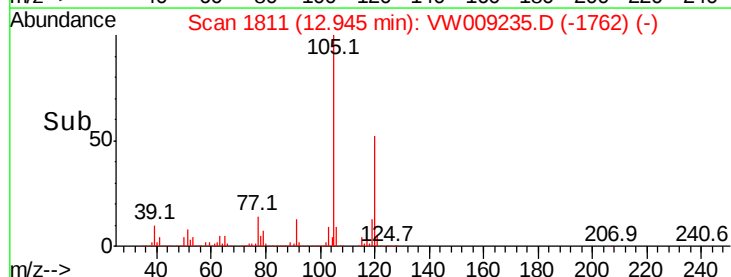
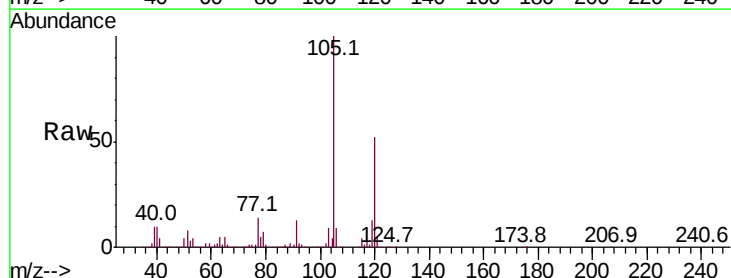
Acq: 19 Mar 2019 11:51

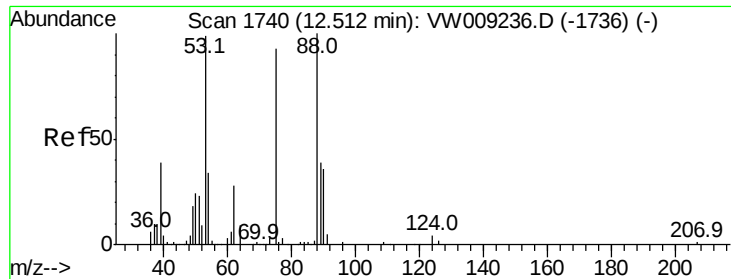
Tgt Ion:105 Resp: 261654

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0





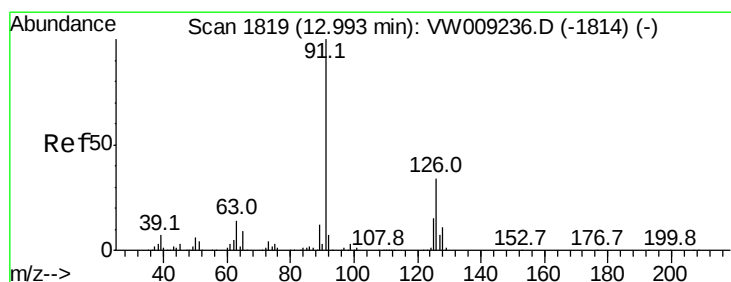
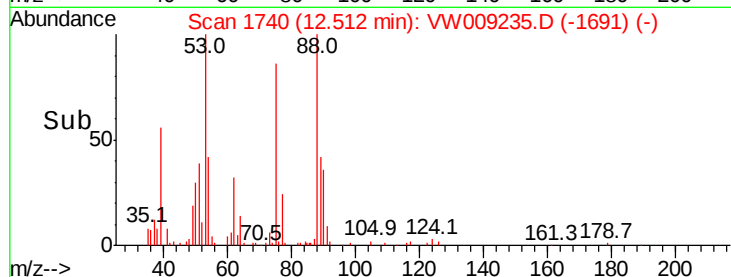
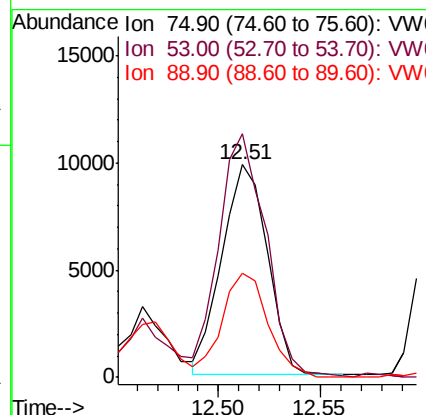
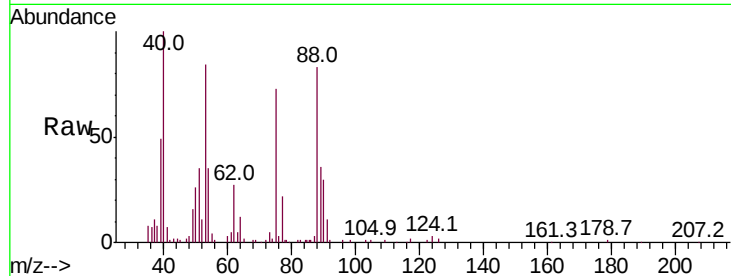
#81
trans-1,4-Dichloro-2-butene
Concen: 17.352 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.4	86.7	130.1
89	49.9	36.4	54.6

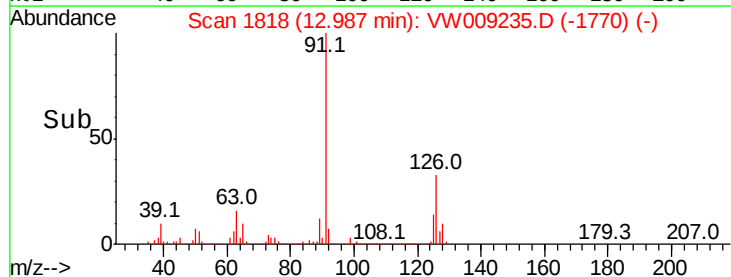
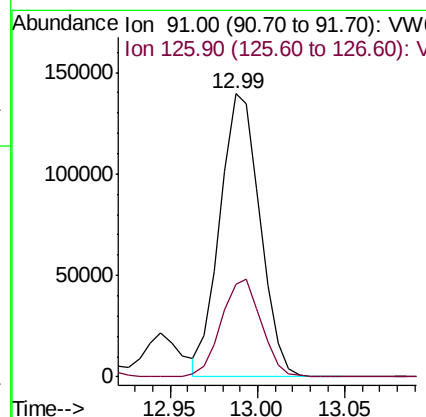
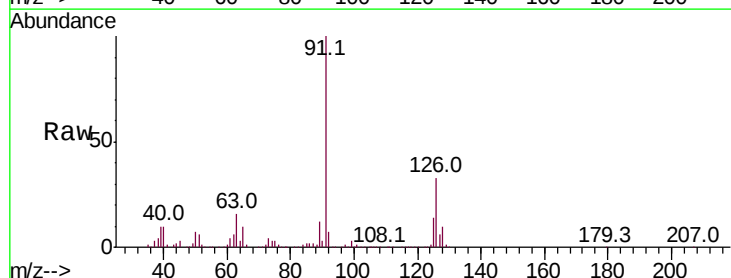
Manual Integrations
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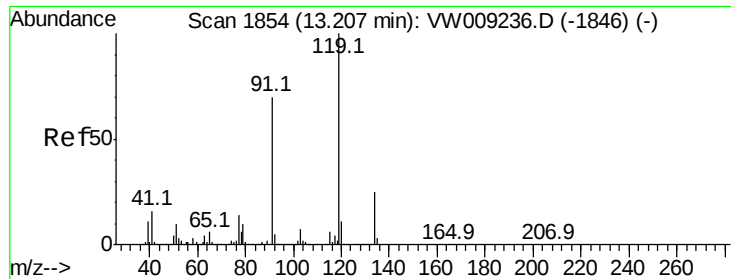
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.702 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.9	50.6





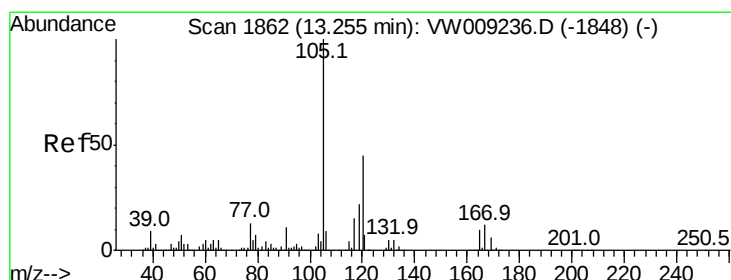
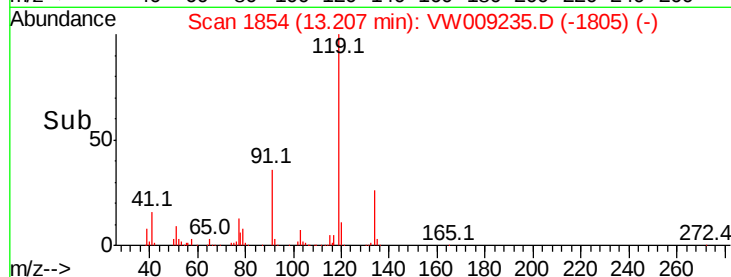
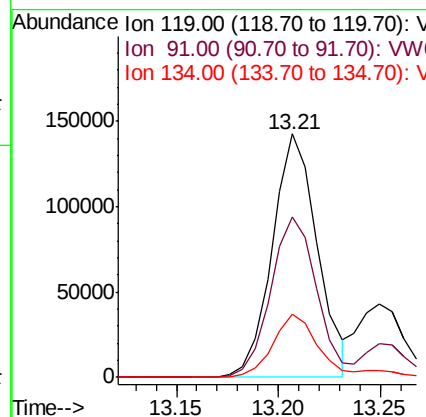
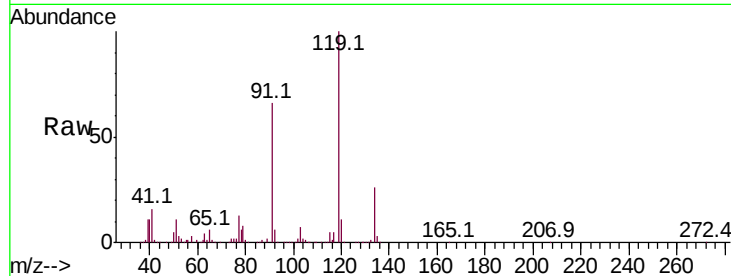
#83
 tert-Butylbenzene
 Concen: 19.794 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.4	103.2
134	27.9	12.7	38.1

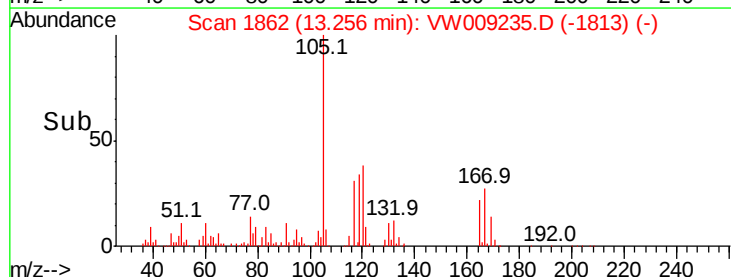
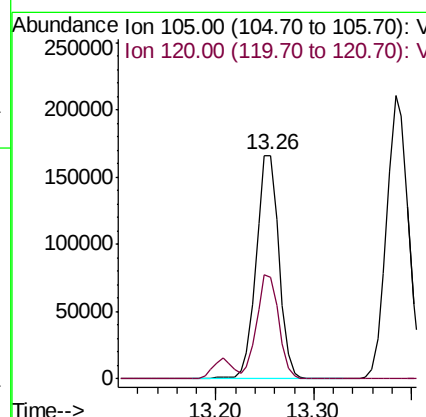
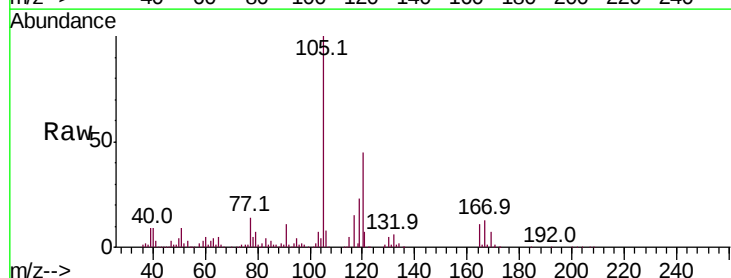
Manual Integrations
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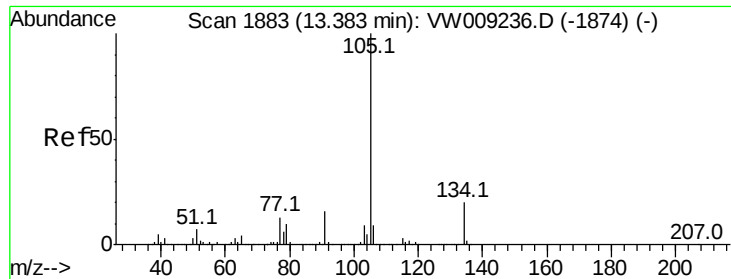
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.060 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.8	68.3





#85

sec-Butylbenzene

Concen: 19.702 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 323811

Ion Ratio Lower Upper

105 100

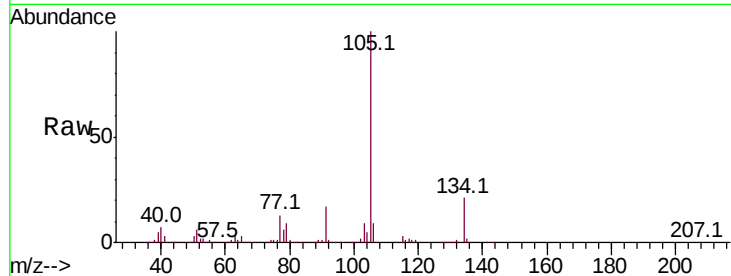
134 20.1 10.2 30.6

Manual Integrations

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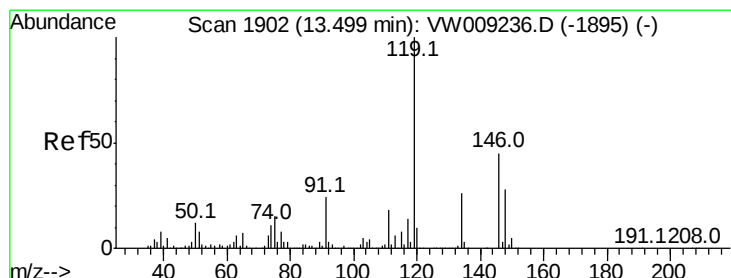
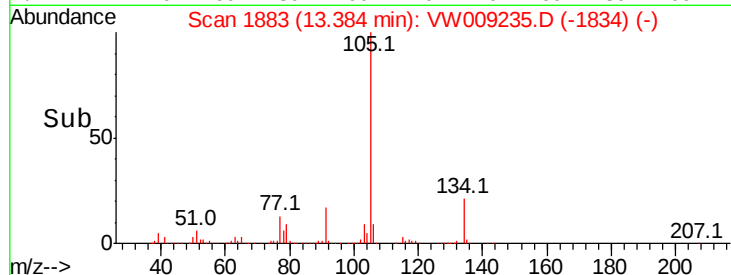
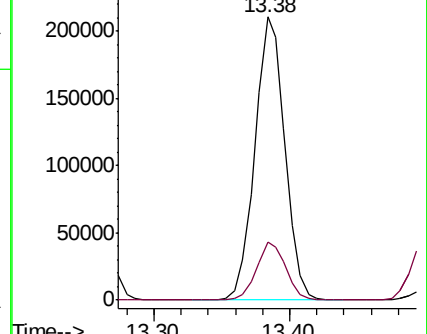
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.794 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009235.D

Acq: 19 Mar 2019 11:51

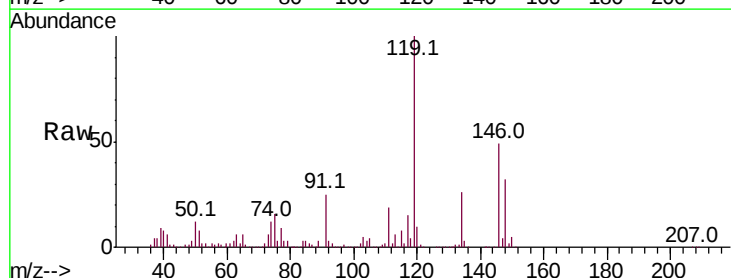
Tgt Ion:119 Resp: 289690

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

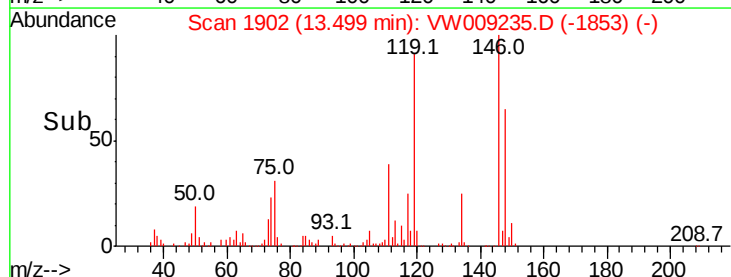
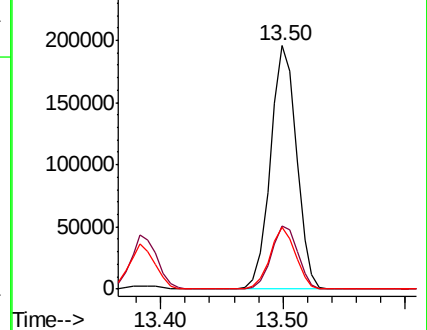
91 24.6 12.3 36.8

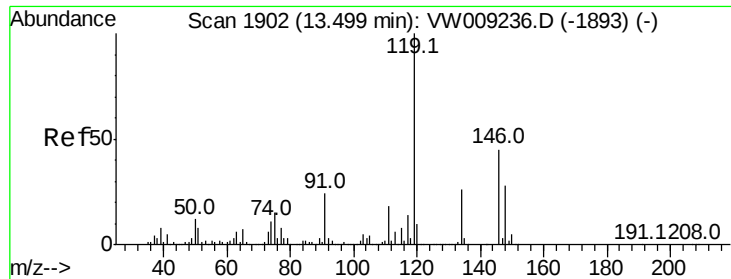


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





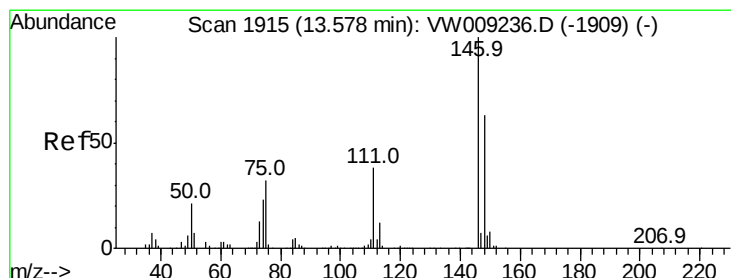
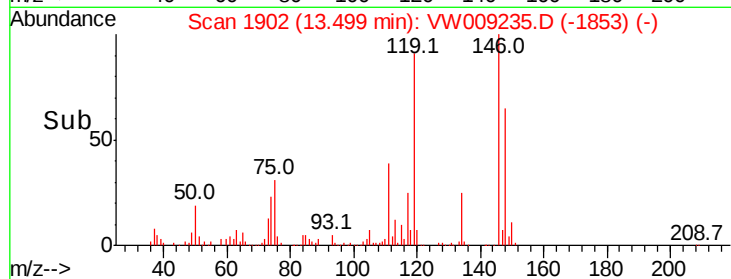
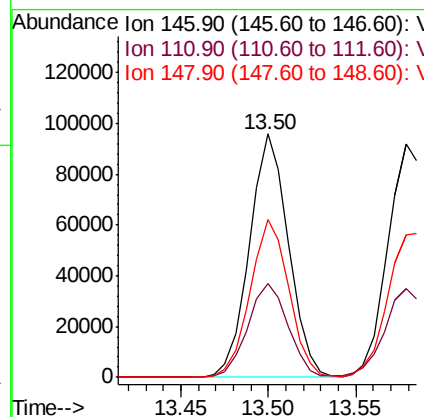
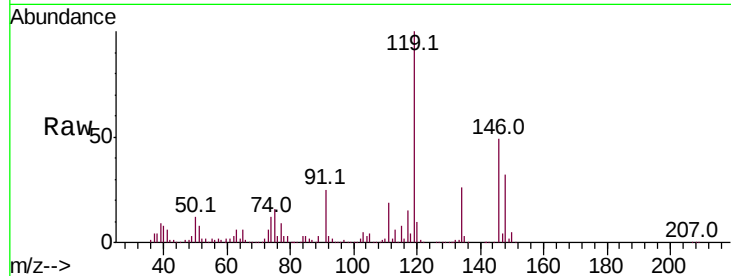
#87
 1,3-Dichlorobenzene
 Concen: 19.793 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	148480		
111	39.7	20.1	60.2	
148	64.7	31.4	94.3	

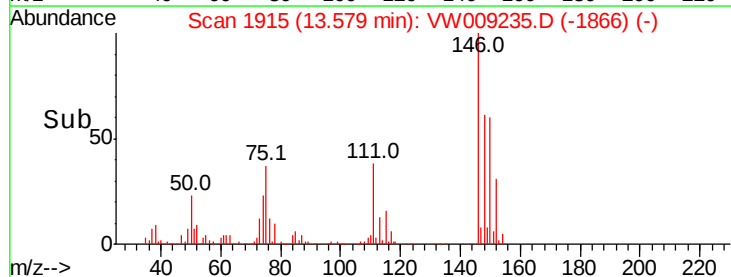
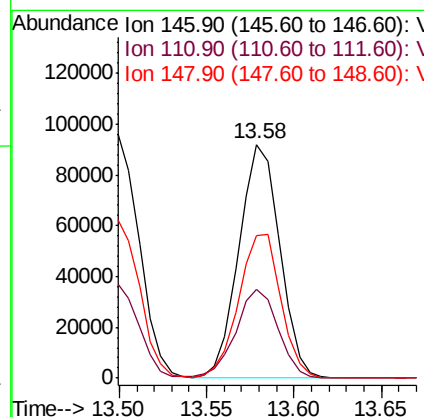
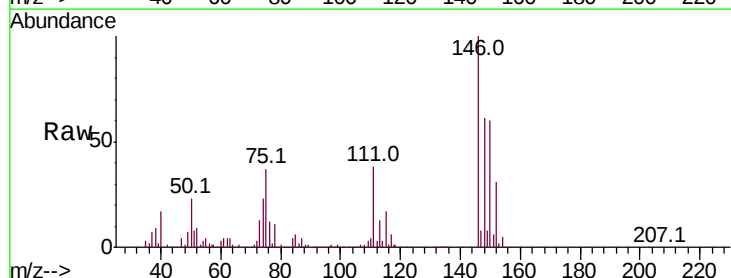
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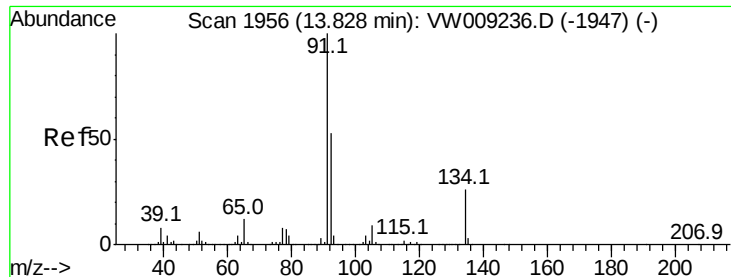
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#88
 1,4-Dichlorobenzene
 Concen: 20.025 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	149576		
111	39.5	19.9	59.6	
148	63.6	32.2	96.6	





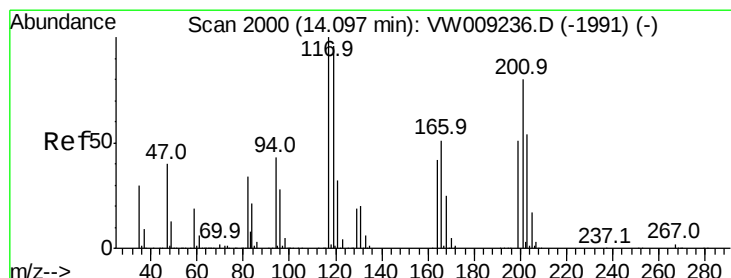
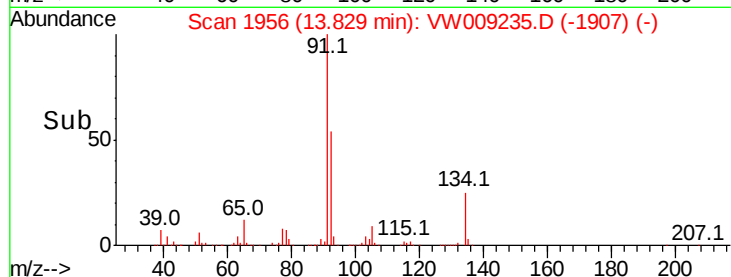
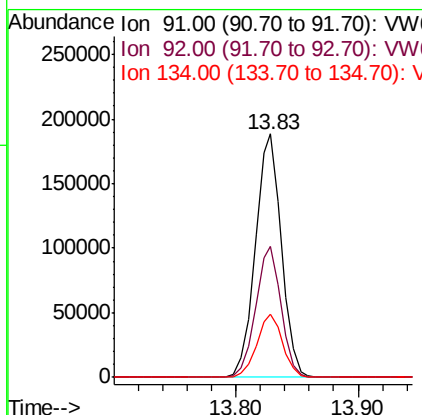
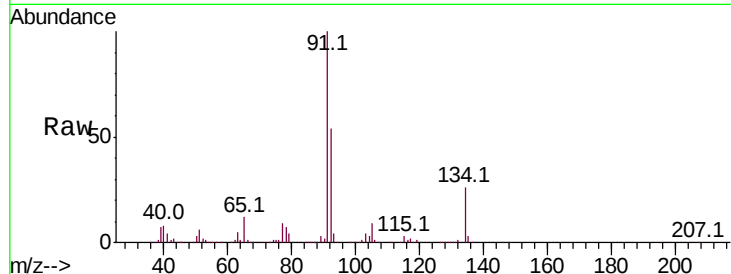
#89
n-Butylbenzene
Concen: 19.866 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.0
134	25.6	12.9	38.6

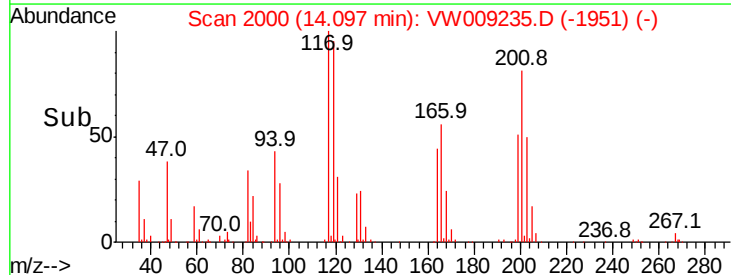
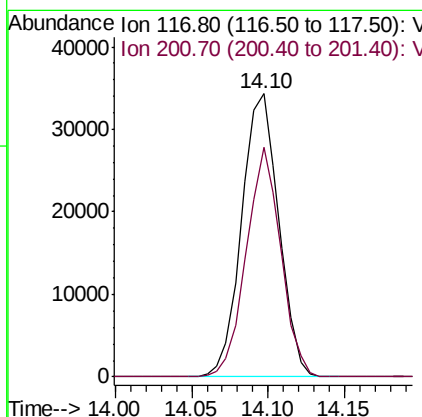
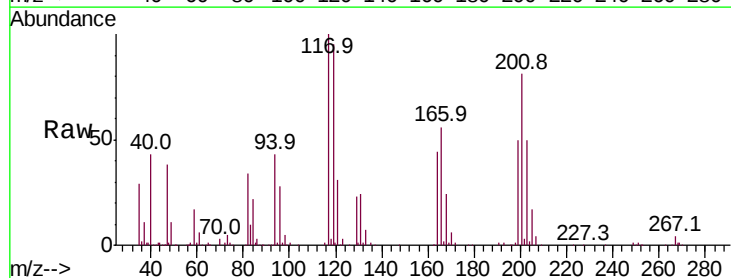
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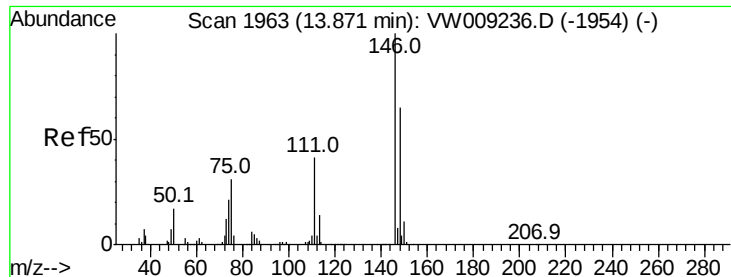
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#90
Hexachloroethane
Concen: 20.030 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	38.2	114.6





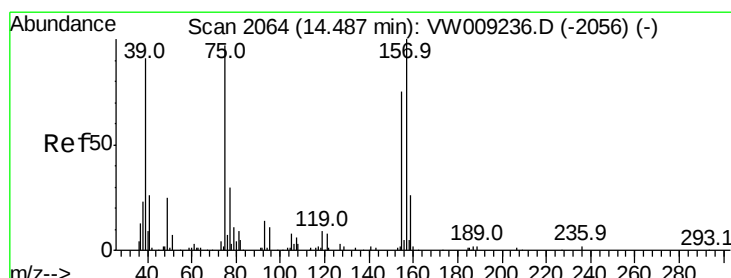
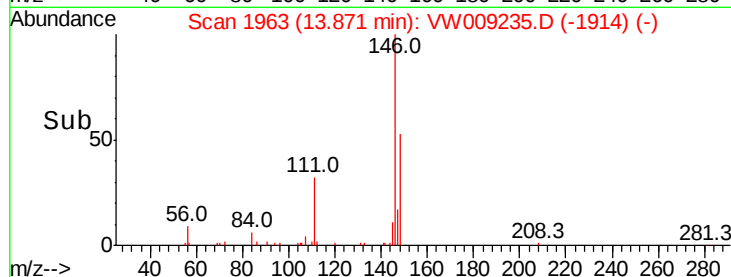
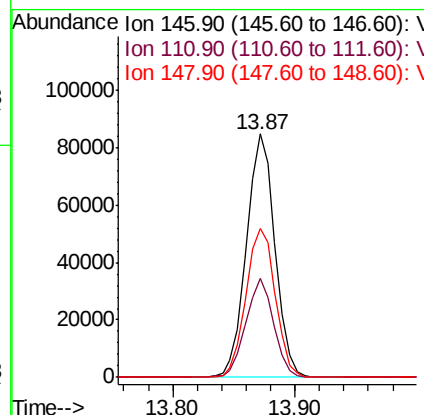
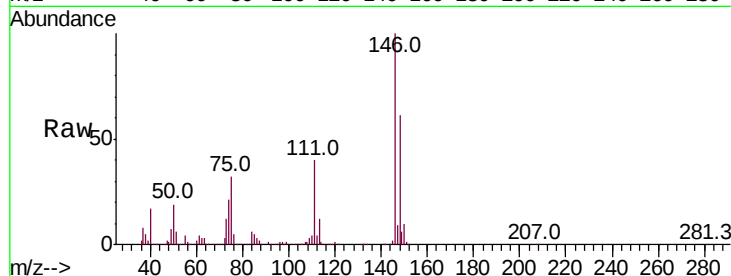
#91
 1,2-Dichlorobenzene
 Concen: 20.322 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.4	61.2
148	63.4	31.9	95.9

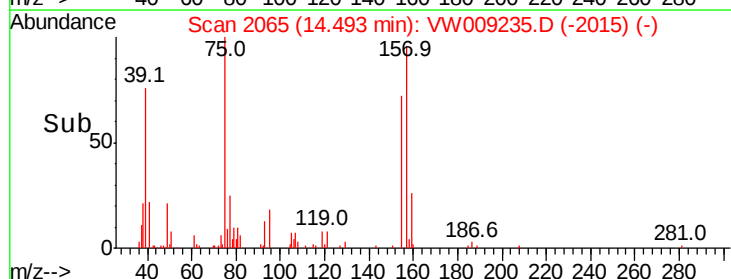
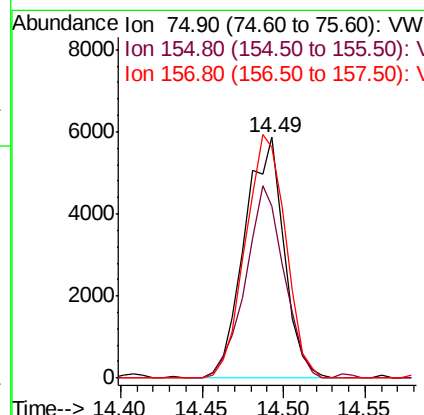
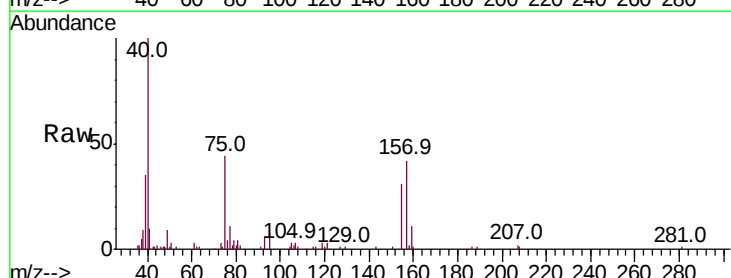
Manual Integrations
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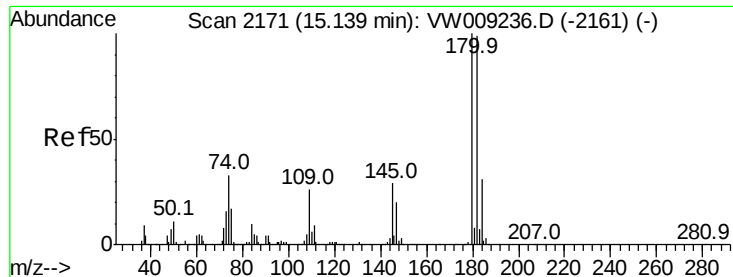
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.210 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW009235.D
 Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	39.3	117.8
157	102.9	49.5	148.5





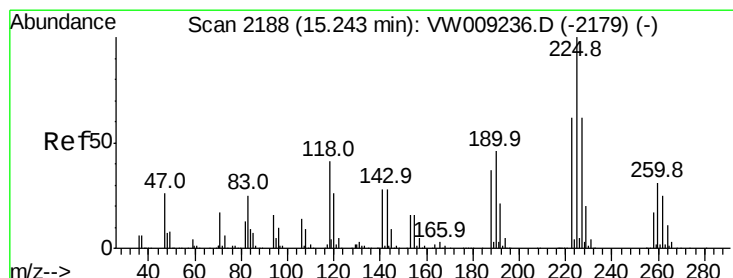
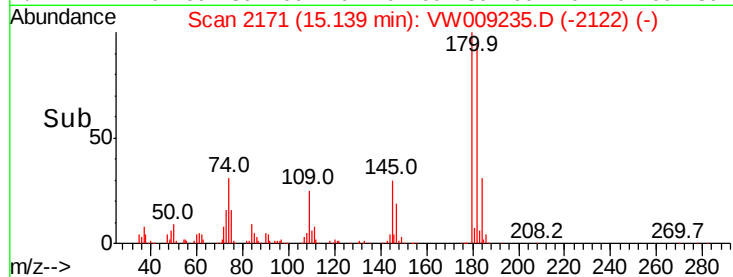
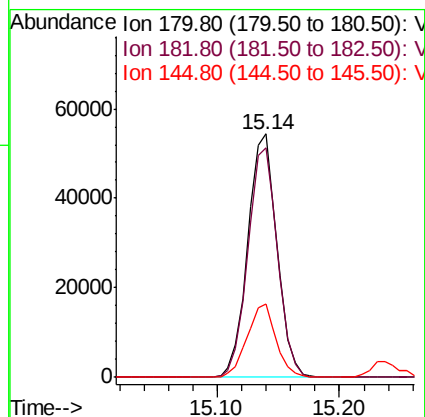
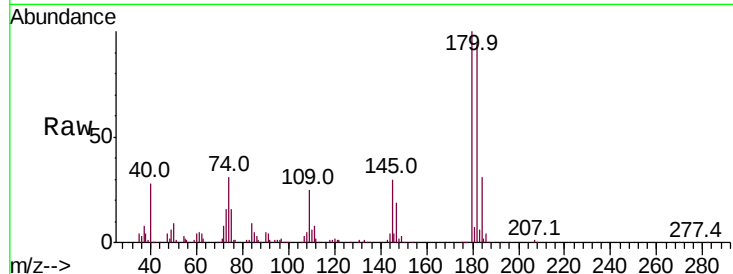
#93
1,2,4-Trichlorobenzene
Concen: 20.004 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	29.9	15.0	45.0

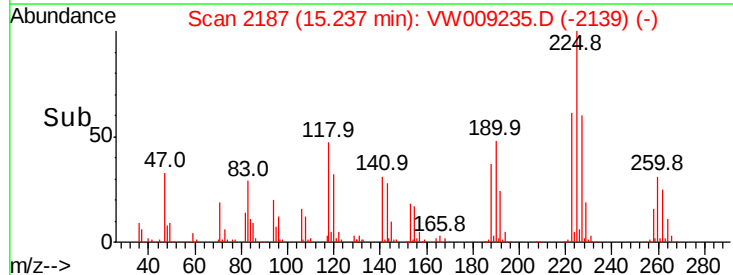
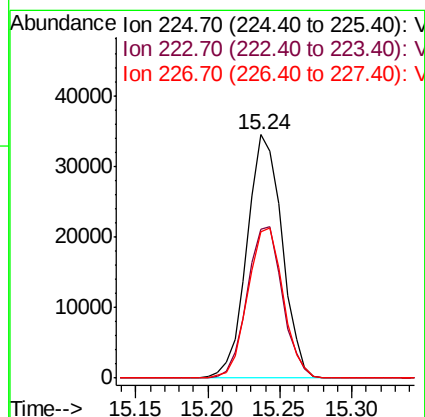
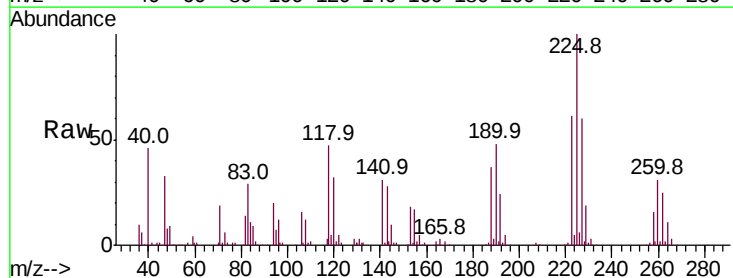
Manual Integrations
APPROVED

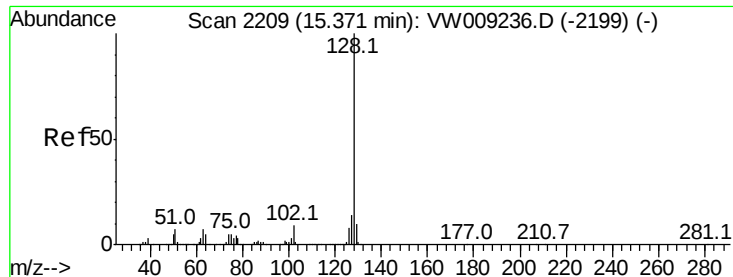
MMDadoda
3/22/2019 3:52:59 AM



#94
Hexachlorobutadiene
Concen: 20.151 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.3
227	62.1	32.1	96.5





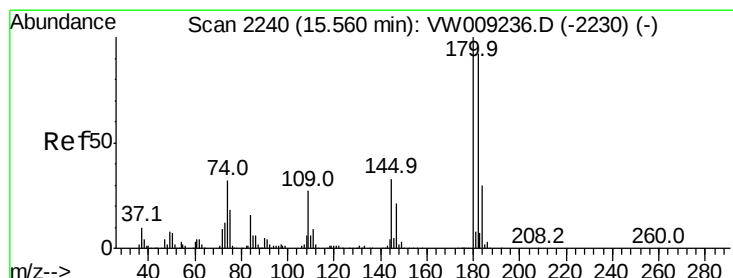
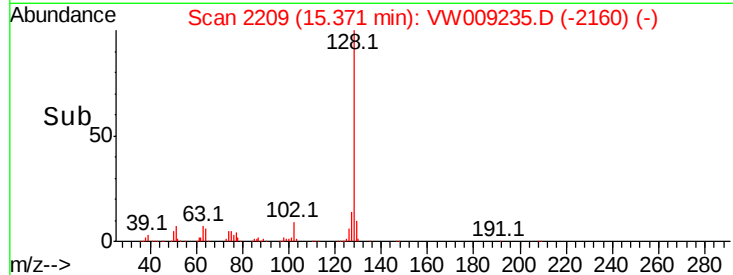
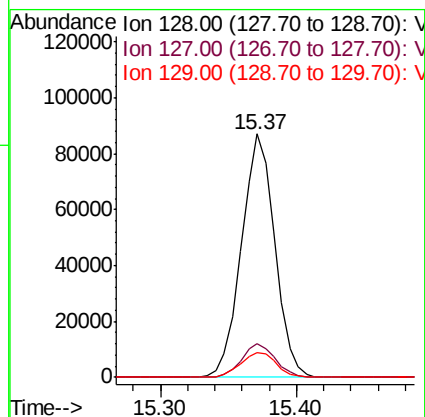
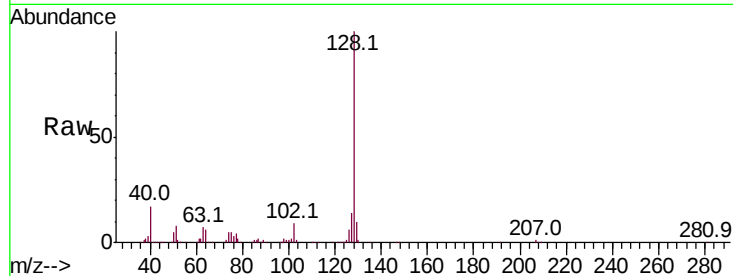
#95
Naphthalene
Concen: 18.980 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	14.1	10.8	16.2	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:52:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.656 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009235.D
Acq: 19 Mar 2019 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.3	141.9	
145	32.7	16.0	48.0	

