

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040419\
 Data File : VW009699.D
 Acq On : 04 Apr 2019 16:26
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

mohammad
 4/5/2019 3:51:06 PM

Quant Time: Apr 05 08:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	524026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	483545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	259664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	205795	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	7.88	113	169360	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.32	98	627443	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	244115	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	78489	37.192	ug/l	96
3) Chloromethane	2.21	50	98701	34.725	ug/l	99
4) Vinyl Chloride	2.37	62	147821	38.940	ug/l	99
5) Bromomethane	2.78	94	110094	37.591	ug/l	97
6) Chloroethane	2.92	64	109931	39.103	ug/l	98
7) Trichlorofluoromethane	3.26	101	110058	42.432	ug/l	98
8) Diethyl Ether	3.67	74	80834	46.414	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	161337	46.361	ug/l	96
10) Methyl Iodide	4.27	142	212060	44.659	ug/l	96
11) Tert butyl alcohol	5.18	59	57761	258.198	ug/l	100
12) 1,1-Dichloroethene	4.03	96	145608	44.710	ug/l	95
13) Acrolein	3.89	56	47940	292.174	ug/l	93
14) Allyl chloride	4.65	41	249413	47.882	ug/l	97
15) Acrylonitrile	5.36	53	201529	253.152	ug/l	98
16) Acetone	4.12	43	228024	262.855	ug/l	95
17) Carbon Disulfide	4.38	76	391500	42.249	ug/l	98
18) Methyl Acetate	4.67	43	111782	53.306	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	242327	53.500	ug/l	99
20) Methylene Chloride	4.92	84	176803	52.115	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	161546	46.720	ug/l	89
22) Diisopropyl ether	6.31	45	561331	49.899	ug/l	99
23) Vinyl Acetate	6.25	43	1857133	264.633	ug/l	99
24) 1,1-Dichloroethane	6.21	63	318853	47.092	ug/l	98
25) 2-Butanone	7.17	43	325935	271.891	ug/l	98
26) 2,2-Dichloropropane	7.16	77	189267	48.893	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	182741	48.393	ug/l	95
28) Bromochloromethane	7.51	49	159788	54.462	ug/l	92
29) Tetrahydrofuran	7.52	42	200813	269.779	ug/l	99
30) Chloroform	7.67	83	337698	48.156	ug/l	99
31) Cyclohexane	7.95	56	279387	44.014	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	270581	47.662	ug/l	98
36) 1,1-Dichloropropene	8.07	75	256045	47.239	ug/l	100
37) Ethyl Acetate	7.25	43	135224	52.513	ug/l	100
38) Carbon Tetrachloride	8.06	117	259360	46.699	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	296549	47.897	ug/l	97
40) Benzene	8.32	78	690929	47.062	ug/l	100
41) Methacrylonitrile	7.48	41	82920	49.490	ug/l	90
42) 1,2-Dichloroethane	8.40	62	248345	49.618	ug/l	98
43) Isopropyl Acetate	8.42	43	267547	53.015	ug/l	98
44) Trichloroethene	9.09	130	180366	47.454	ug/l	94
45) 1,2-Dichloropropane	9.37	63	180071	47.919	ug/l	98
46) Dibromomethane	9.46	93	100542	49.389	ug/l	95
47) Bromodichloromethane	9.64	83	255662	49.234	ug/l	98
48) Methyl methacrylate	9.43	41	130460	55.147	ug/l	97
49) 1,4-Dioxane	9.45	88	30478	1005.354	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	736086	272.612	ug/l	98
52) Toluene	10.38	92	447454	48.668	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	259974	51.130	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	282767	50.157	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	136877	49.744	ug/l	94
56) Ethyl methacrylate	10.65	69	183741	48.350	ug/l	96
57) 1,3-Dichloropropane	10.93	76	245333	50.299	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	488480	264.922	ug/l	99
59) 2-Hexanone	10.97	43	523115	279.939	ug/l	99
60) Dibromochloromethane	11.13	129	164867	49.621	ug/l	99
61) 1,2-Dibromoethane	11.23	107	130801	49.571	ug/l	98
64) Tetrachloroethene	10.86	164	151432	46.124	ug/l	96
65) Chlorobenzene	11.66	112	487196	47.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	181459	48.902	ug/l	100
67) Ethyl Benzene	11.73	91	889765	49.589	ug/l	99
68) m/p-Xylenes	11.84	106	677658	99.467	ug/l	100
69) o-Xylene	12.16	106	321939	50.742	ug/l	99
70) Styrene	12.18	104	536742	50.648	ug/l	99
71) Bromoform	12.35	173	99066	49.610	ug/l #	99
73) Isopropylbenzene	12.46	105	915773	50.678	ug/l	100
74) N-amyl acetate	12.27	43	262678	55.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	175457	51.342	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	125274m	51.303	ug/l	
77) Bromobenzene	12.75	156	201016	48.305	ug/l	95
78) n-propylbenzene	12.80	91	1128237	50.632	ug/l	100
79) 2-Chlorotoluene	12.89	91	634199	50.081	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	767724	50.448	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	56154	53.478	ug/l	96
82) 4-Chlorotoluene	12.99	91	665118	49.907	ug/l	99
83) tert-Butylbenzene	13.21	119	664394	51.286	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	788947	50.429	ug/l	99
85) sec-Butylbenzene	13.38	105	977377	50.008	ug/l	99
86) p-Isopropyltoluene	13.50	119	858013	50.473	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	412520	48.011	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	411974	48.004	ug/l	99
89) n-Butylbenzene	13.83	91	844541	50.332	ug/l	99
90) Hexachloroethane	14.10	117	160354	49.260	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	373455	48.606	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31019	49.721	ug/l	99

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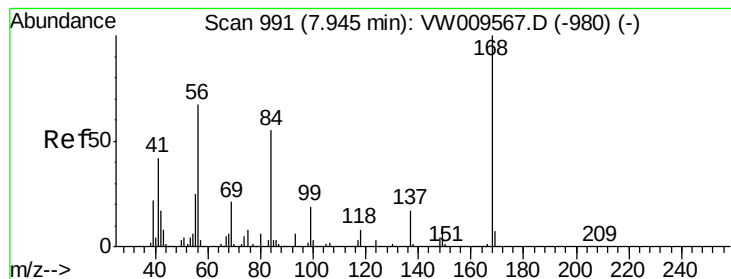
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	249052	50.333	ug/l	99
94) Hexachlorobutadiene	15.24	225	151025	47.526	ug/l	98
95) Naphthalene	15.37	128	490760	48.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	219807	49.721	ug/l	98

(#) = 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: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 337405

Ion Ratio Lower Upper

168 100

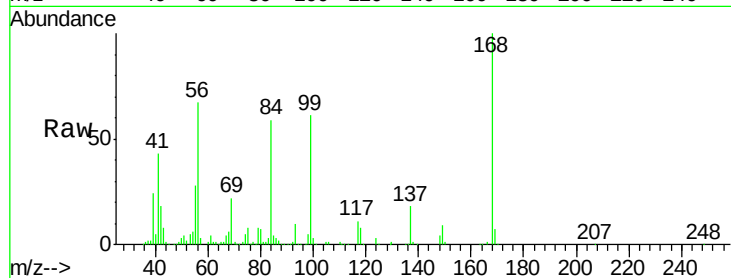
99 61.2 45.4 68.0

Manual Integrations

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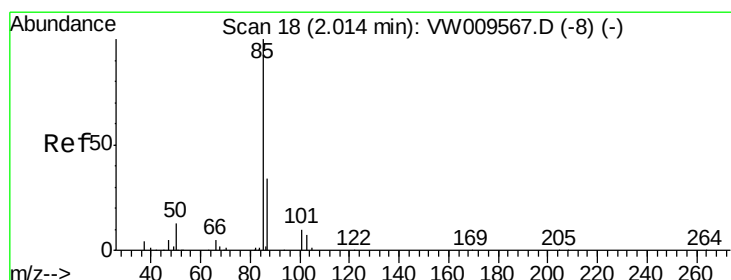
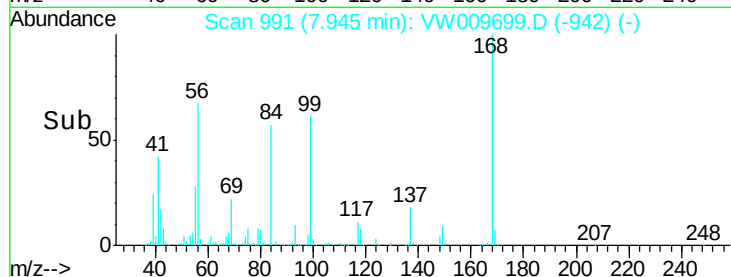
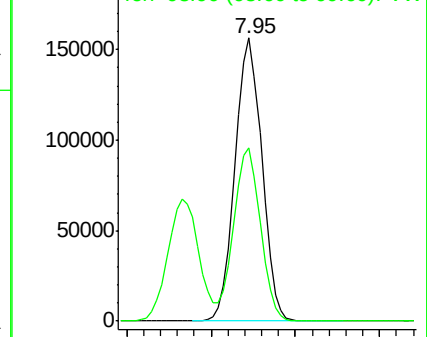
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 37.192 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009699.D

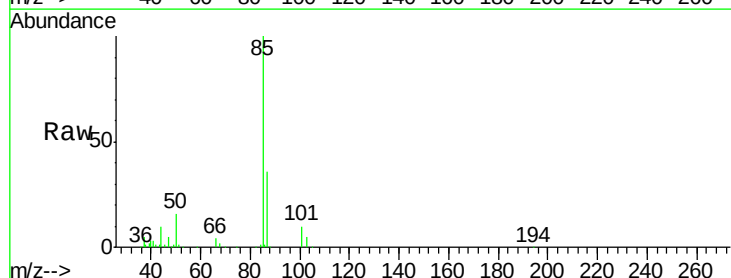
Acq: 04 Apr 2019 16:26

Tgt Ion: 85 Resp: 78489

Ion Ratio Lower Upper

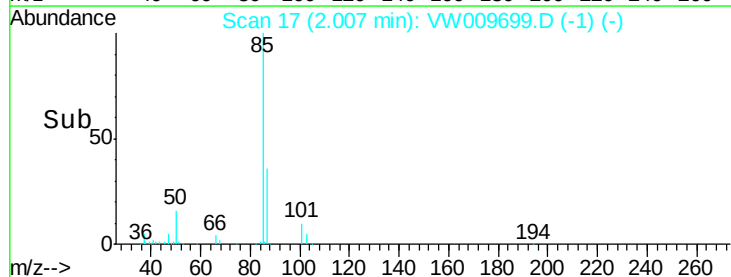
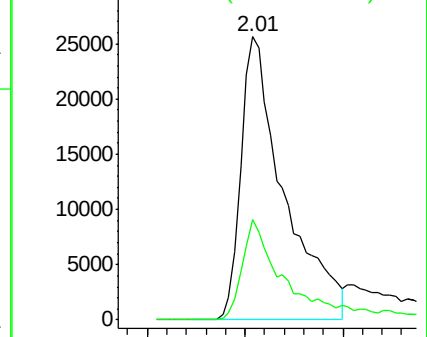
85 100

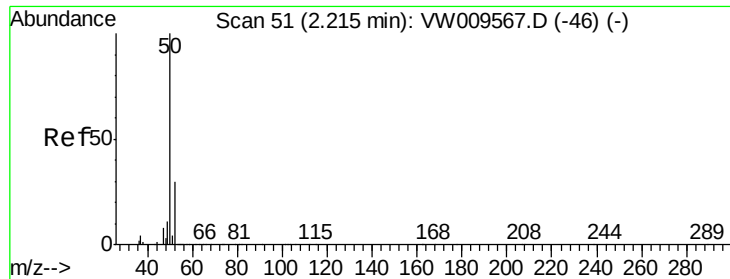
87 35.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 34.725 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 98701

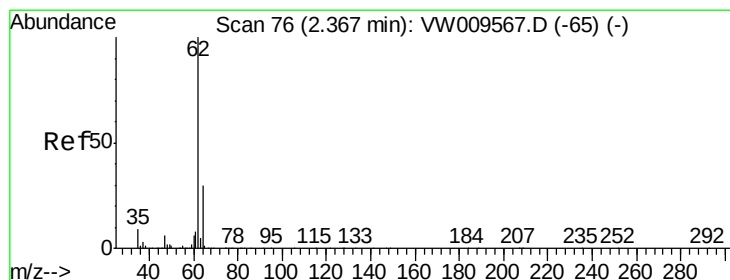
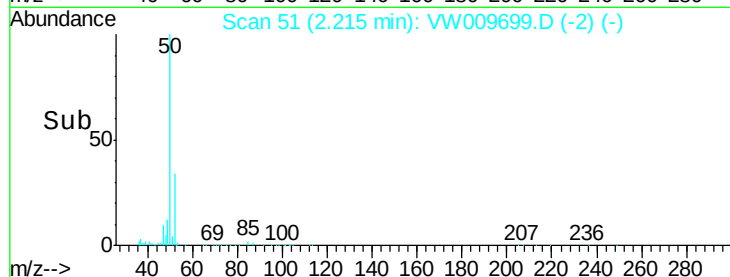
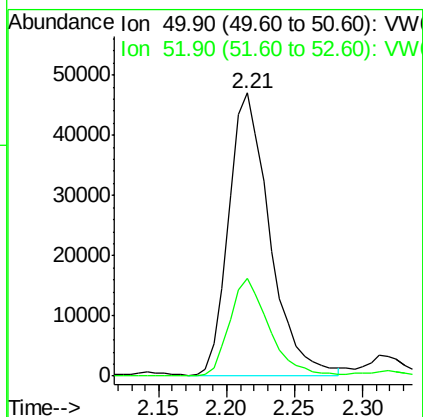
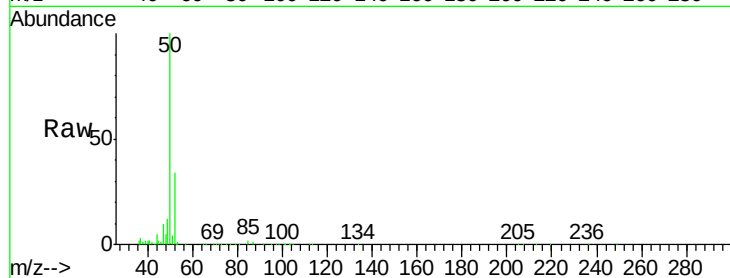
Ion Ratio Lower Upper

50 100

52 34.5 27.2 40.8

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#4

Vinyl Chloride

Concen: 38.940 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009699.D

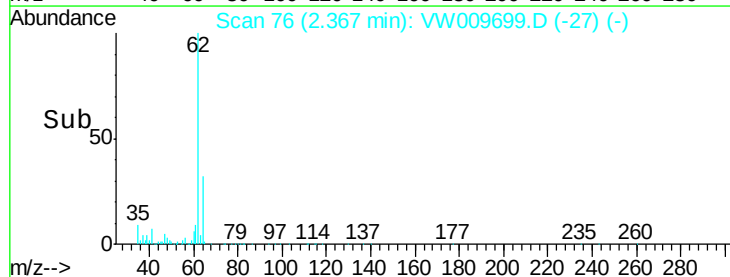
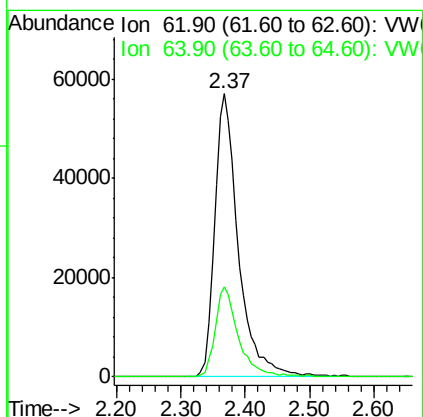
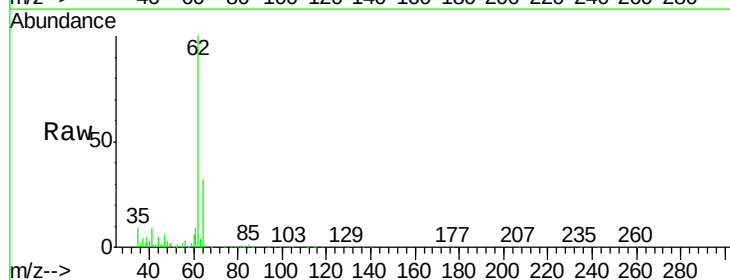
Acq: 04 Apr 2019 16:26

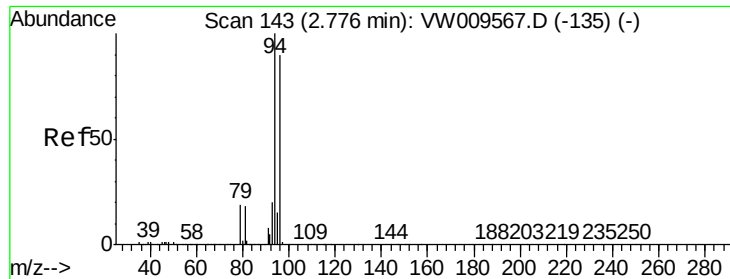
Tgt Ion: 62 Resp: 147821

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 37.591 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 110094

Ion Ratio Lower Upper

94 100

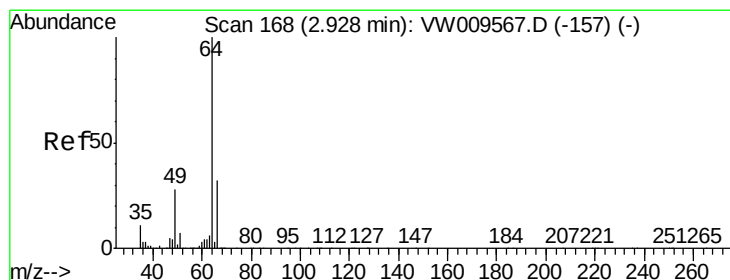
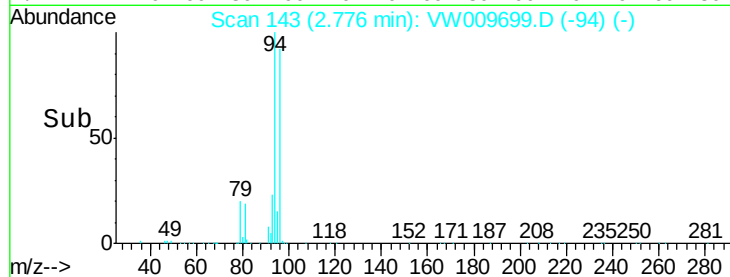
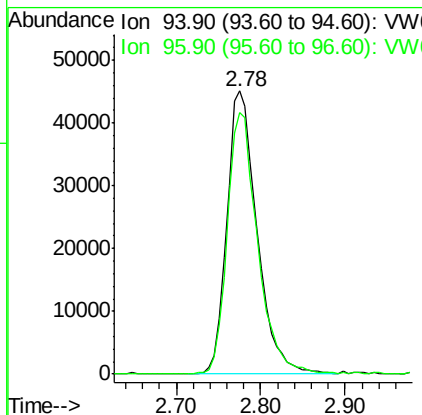
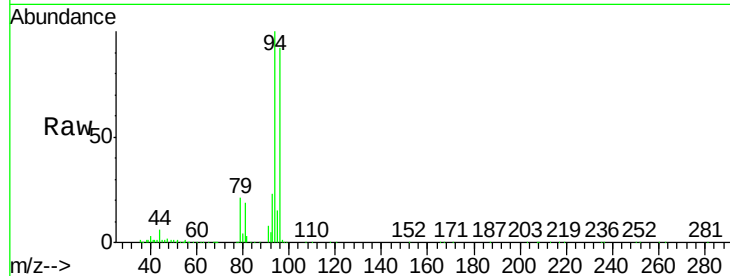
96 91.9 71.4 107.2

Manual Integrations

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#6

Chloroethane

Concen: 39.103 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009699.D

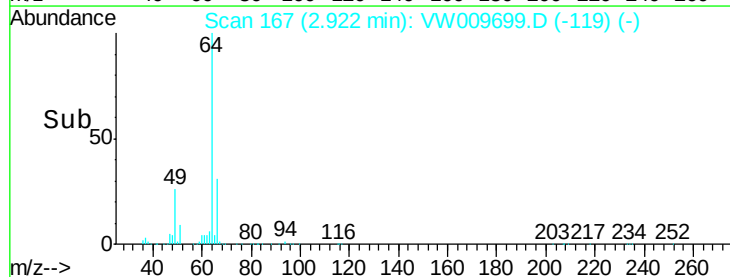
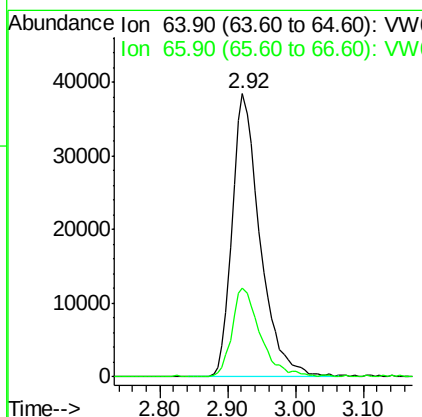
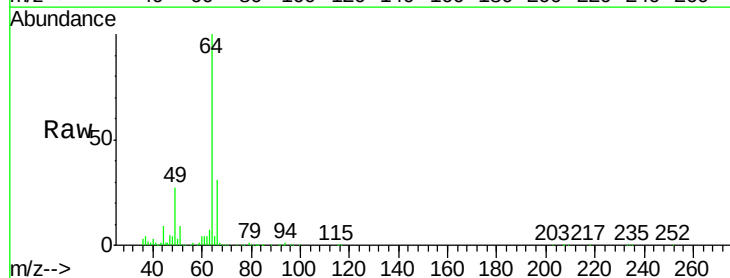
Acq: 04 Apr 2019 16:26

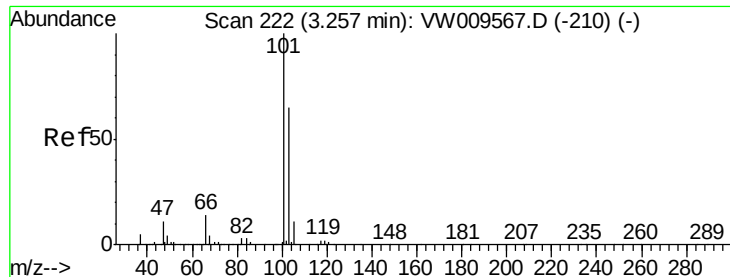
Tgt Ion: 64 Resp: 109931

Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.2





#7

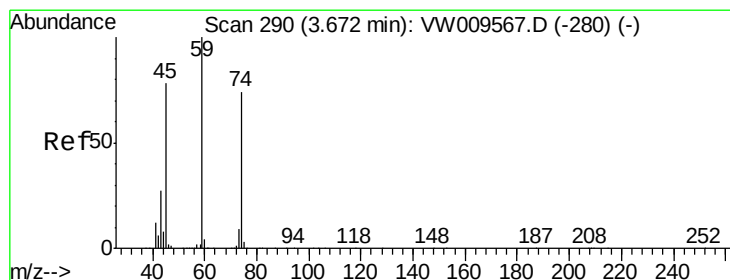
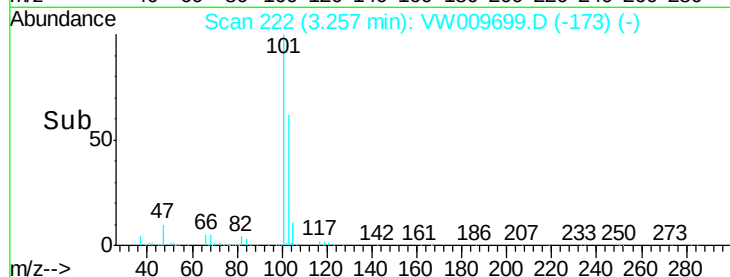
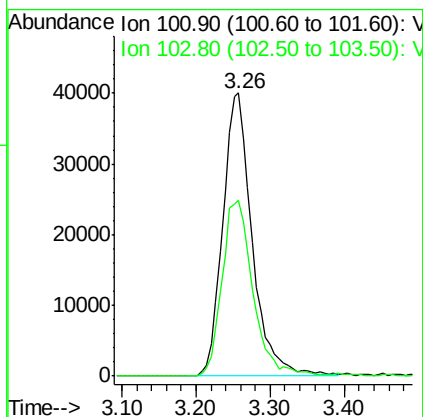
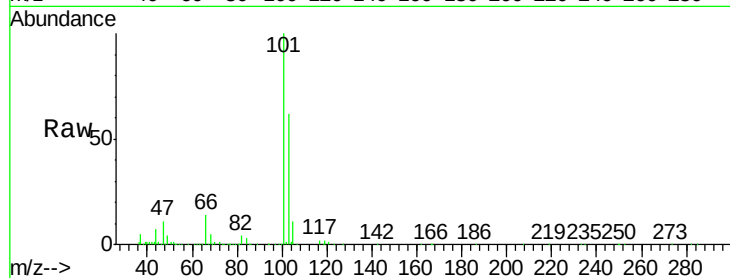
Trichlorofluoromethane
Concen: 42.432 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	50.5	75.7

Manual Integrations
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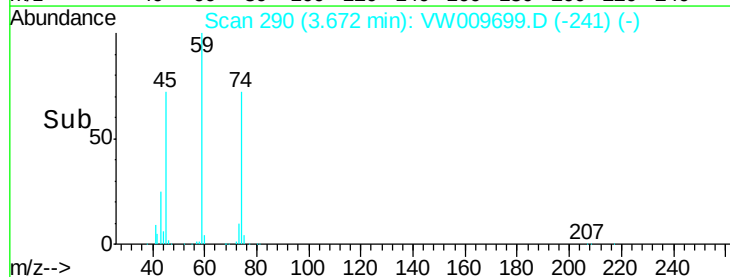
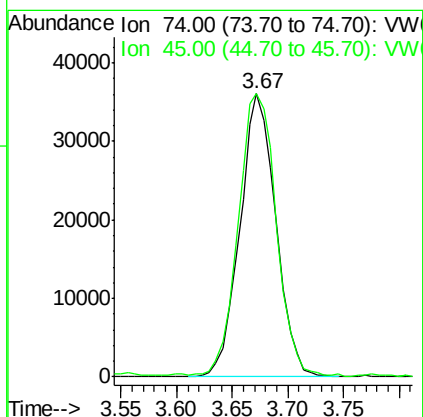
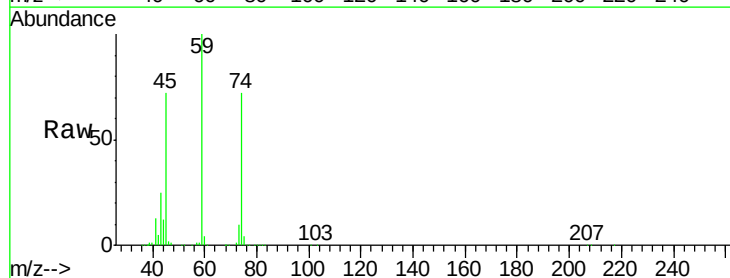
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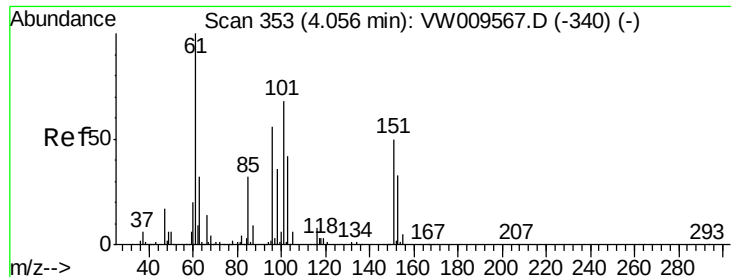


#8

Diethyl Ether
Concen: 46.414 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.361 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

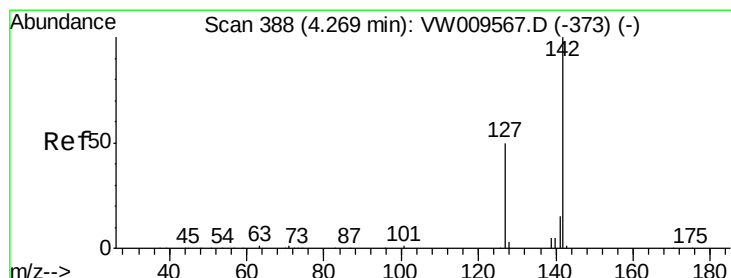
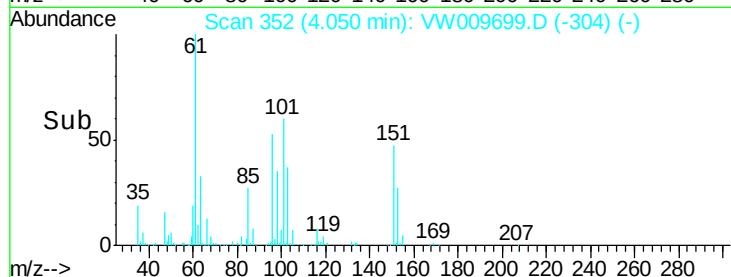
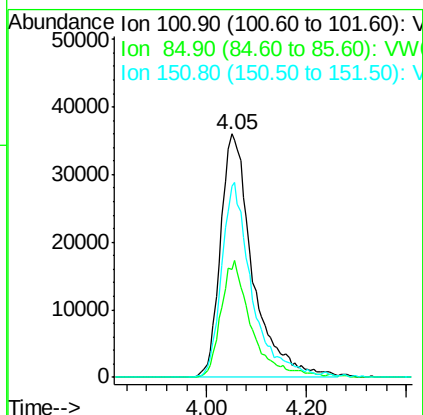
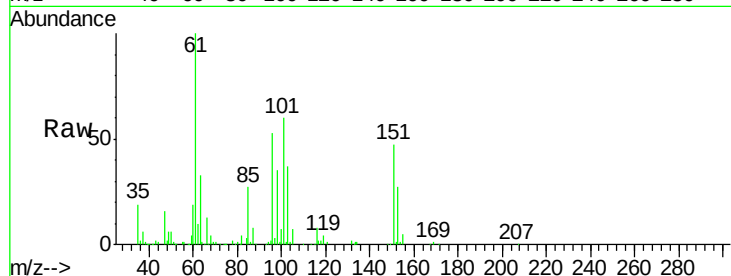
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	161337
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.1	52.7
151	74.3	62.9	94.3

Manual Integrations
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#10

Methyl Iodide

Concen: 44.659 ug/l

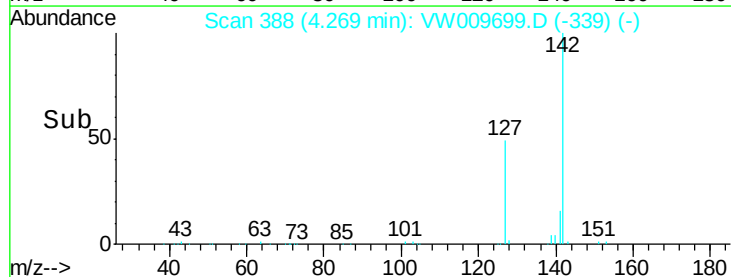
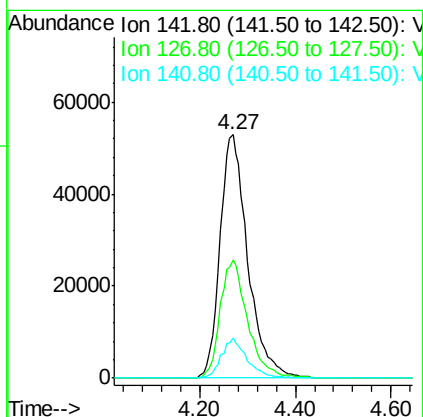
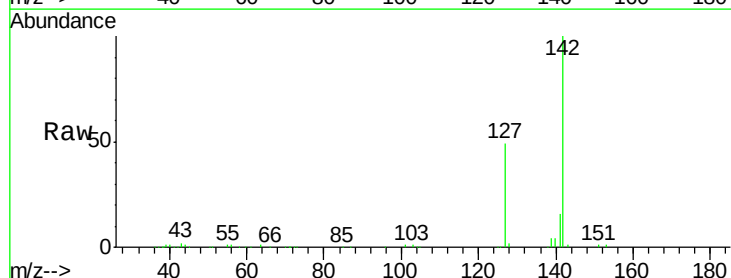
RT: 4.27 min Scan# 388

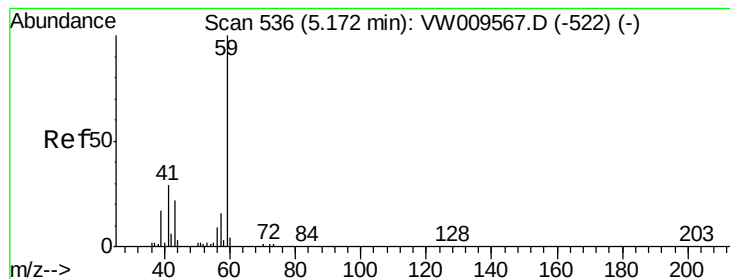
Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion:	142	Resp:	212060
Ion Ratio	Lower	Upper	
142	100		
127	48.0	35.9	53.9
141	15.1	11.4	17.2





#11

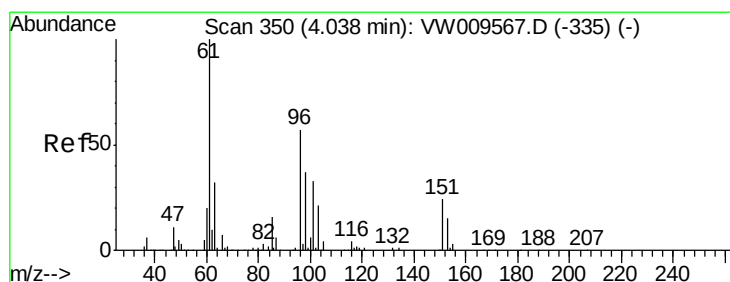
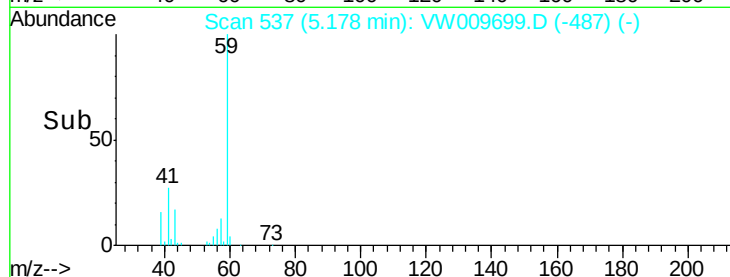
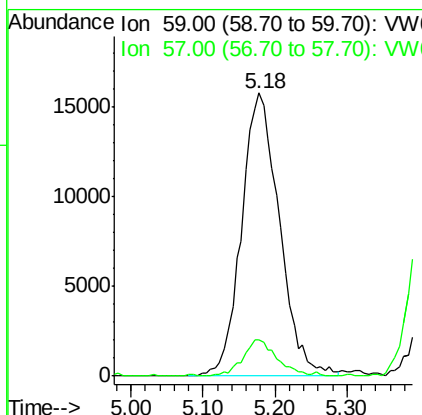
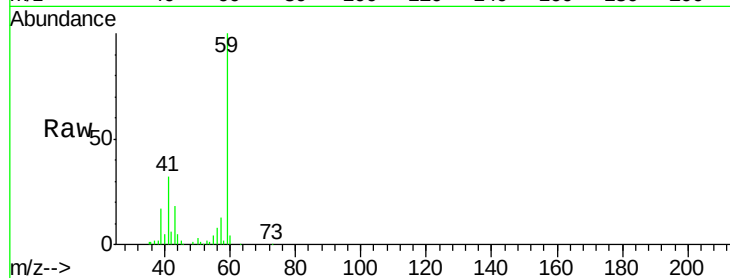
Tert butyl alcohol
 Concen: 258.198 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.4	14.0

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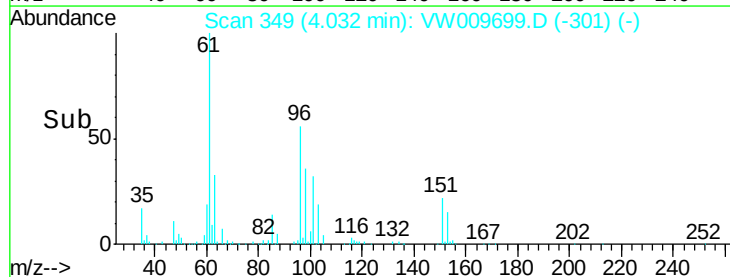
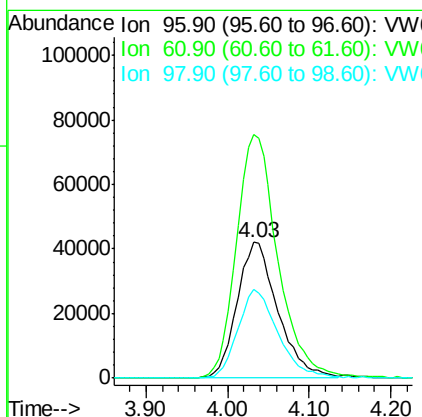
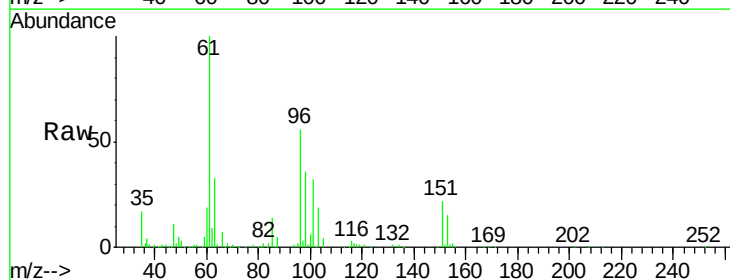
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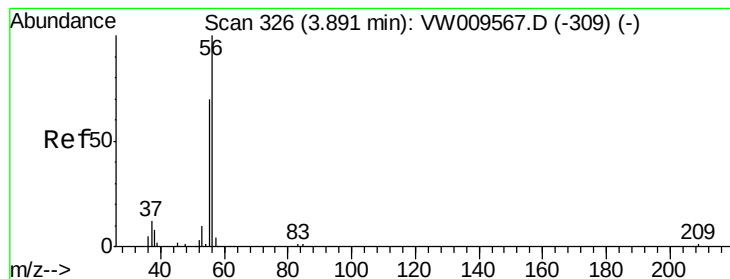


#12

1,1-Dichloroethene
 Concen: 44.710 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.2	138.0	207.0
98	65.1	49.8	74.8





#13

Acrolein

Concen: 292.174 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 47940

Ion Ratio Lower Upper

56 100

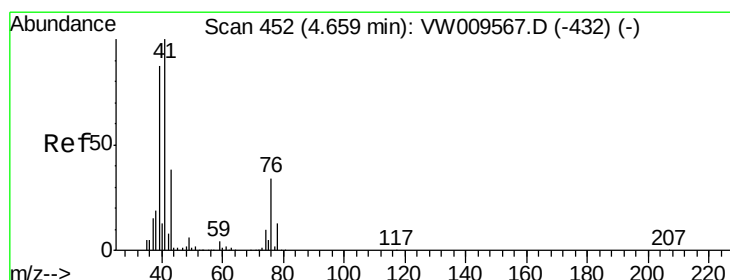
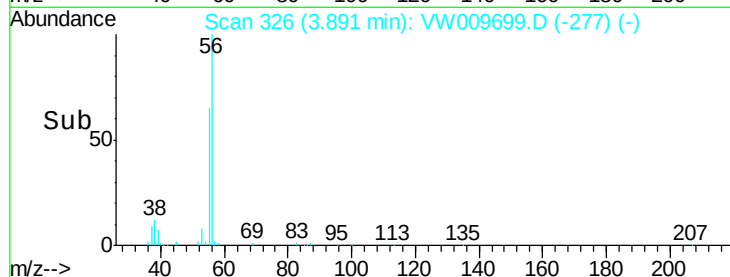
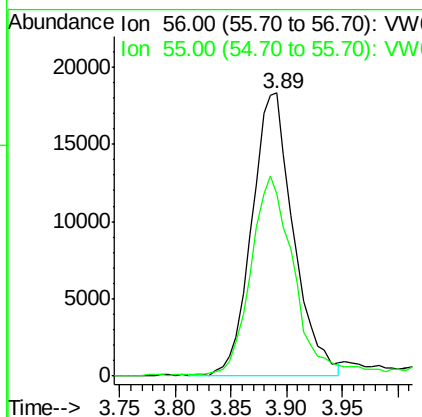
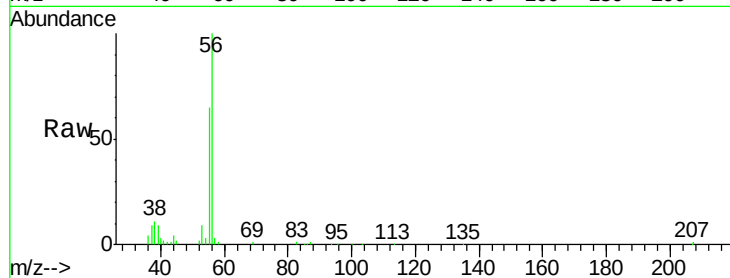
55 74.5 55.2 82.8

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#14

Allyl chloride

Concen: 47.882 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

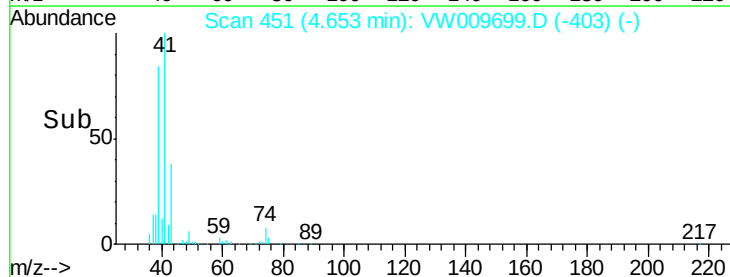
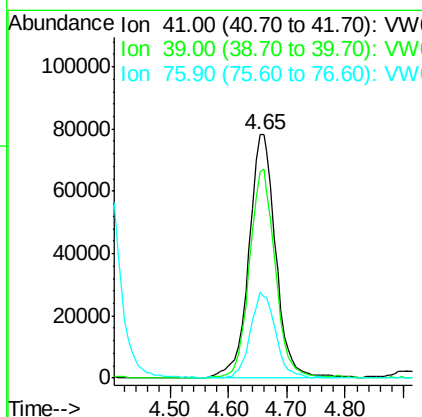
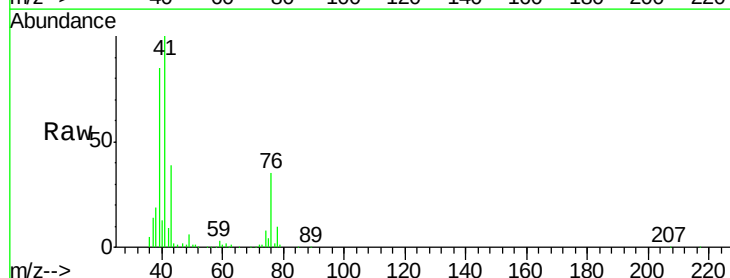
Tgt Ion: 41 Resp: 249413

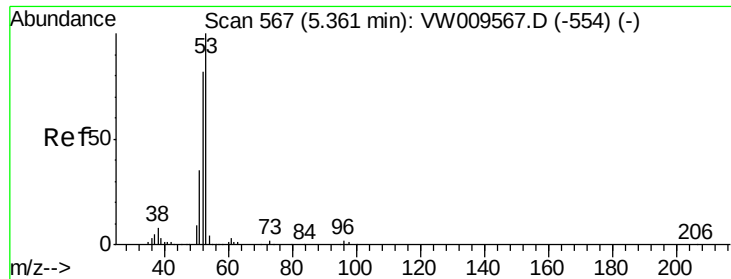
Ion Ratio Lower Upper

41 100

39 82.3 63.8 95.6

76 32.7 27.8 41.6





#15

Acrylonitrile

Concen: 253.152 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

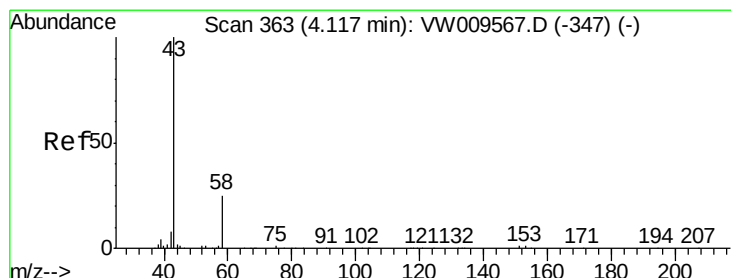
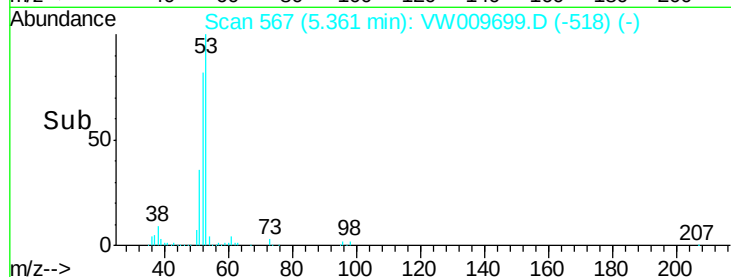
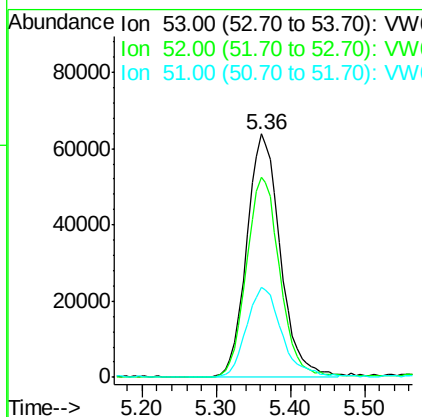
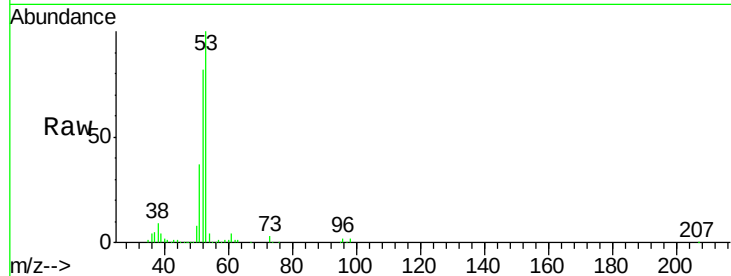
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	201529
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.6	101.4
51	38.9	30.6	45.8

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#16

Acetone

Concen: 262.855 ug/l

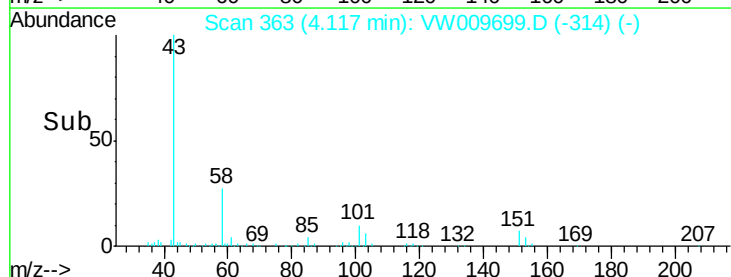
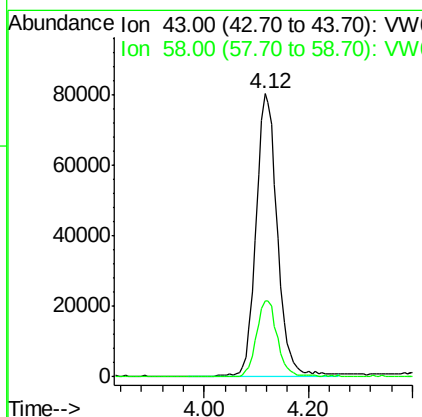
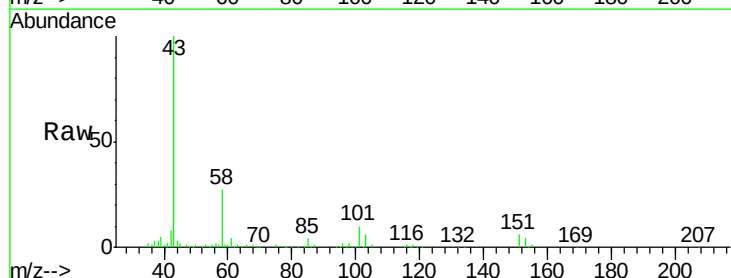
RT: 4.12 min Scan# 363

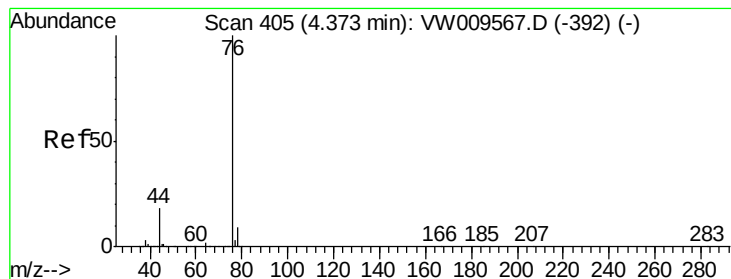
Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion	43	Resp	228024
Ion	Ratio	Lower	Upper
43	100		
58	26.6	23.6	35.4





#17

Carbon Disulfide

Concen: 42.249 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 391500

Ion Ratio Lower Upper

76 100

78 9.1

6.6

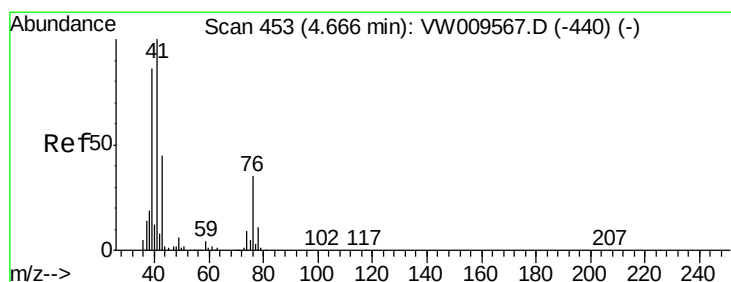
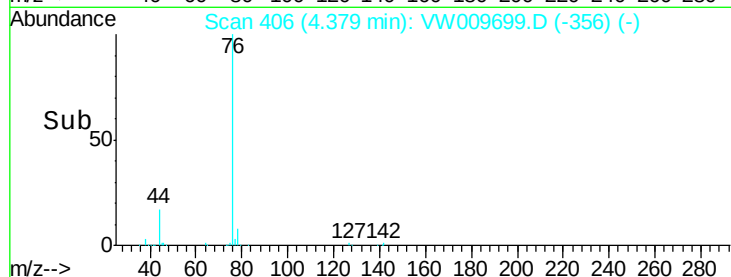
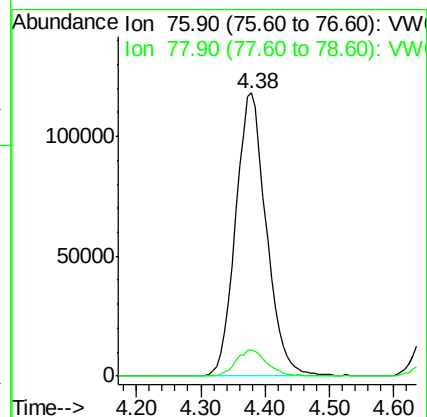
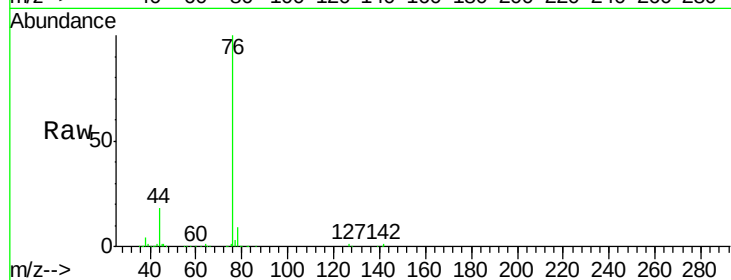
9.8

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#18

Methyl Acetate

Concen: 53.306 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion: 43 Resp: 111782

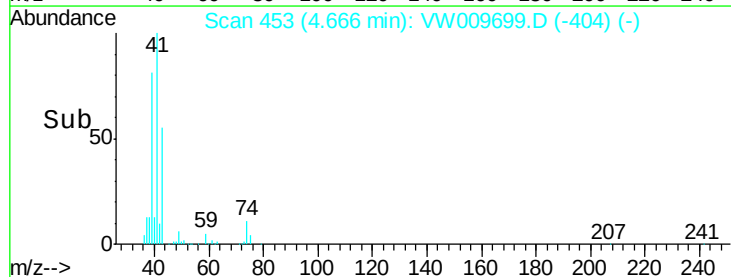
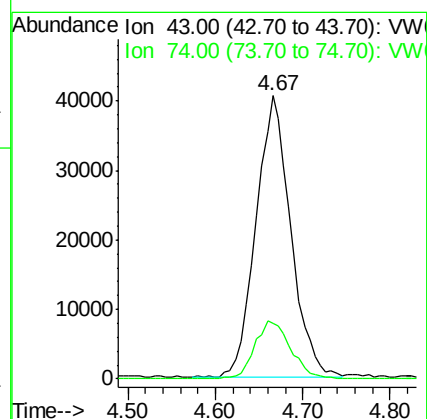
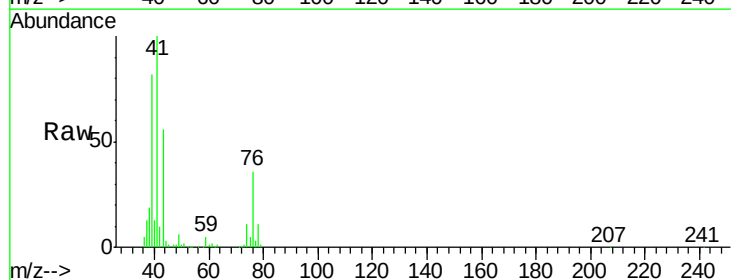
Ion Ratio Lower Upper

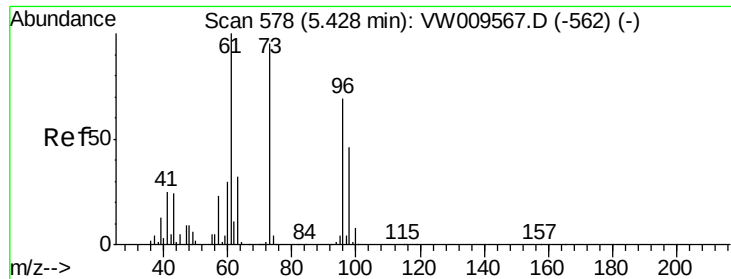
43 100

74 21.4

17.7

26.5





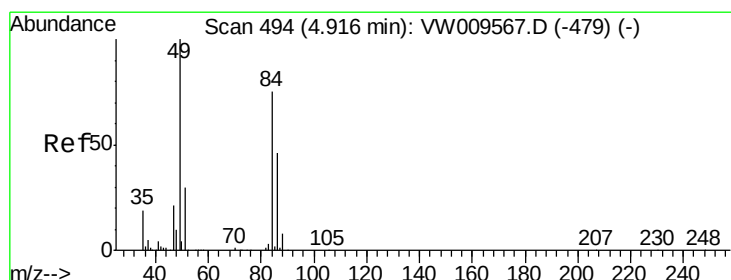
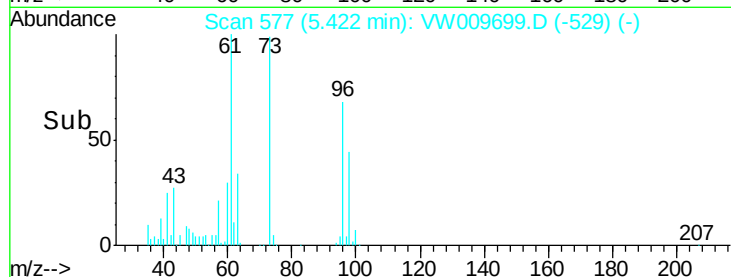
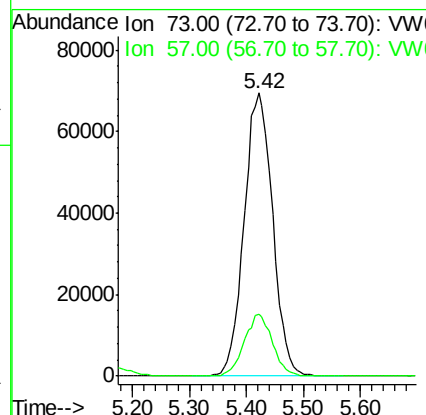
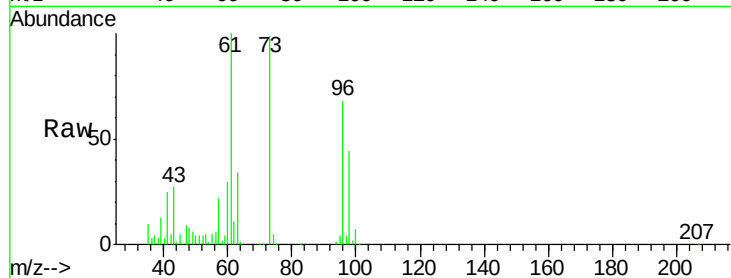
#19
Methyl tert-butyl Ether
Concen: 53.500 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.0	25.6

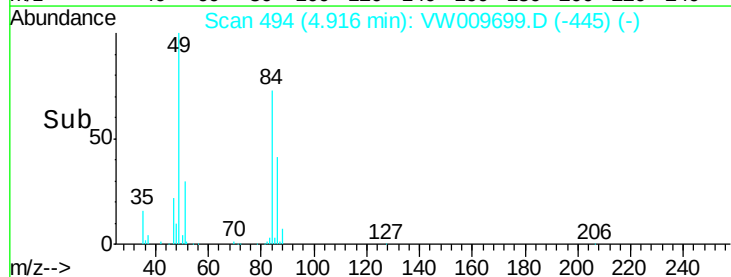
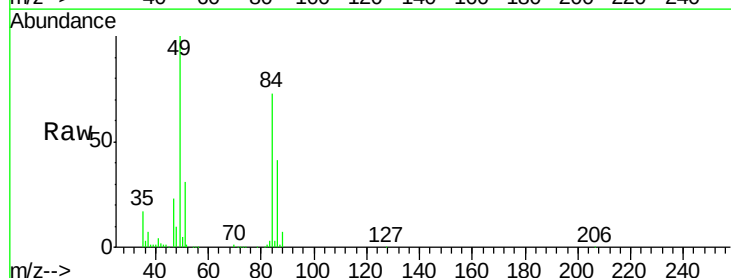
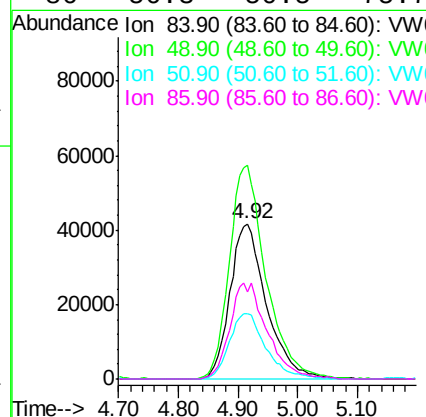
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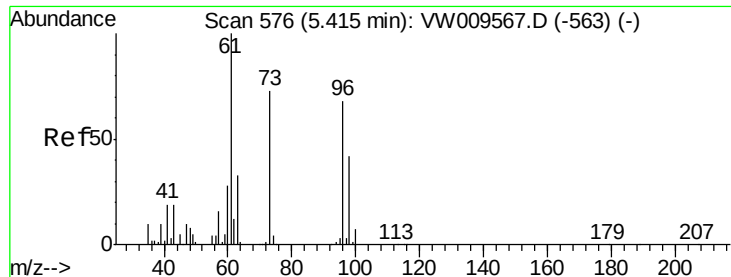
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#20
Methylene Chloride
Concen: 52.115 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.4	99.1	148.7
51	42.1	28.7	43.1
86	56.3	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 46.720 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

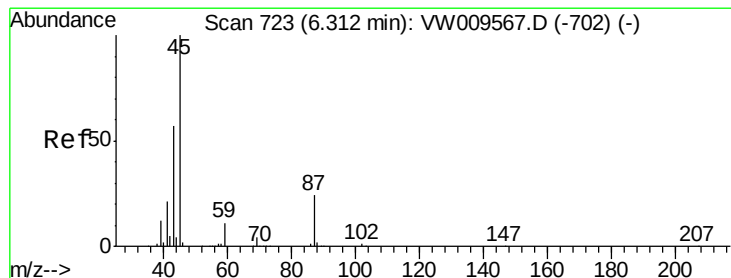
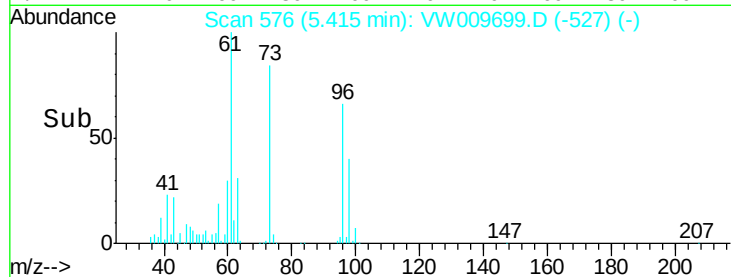
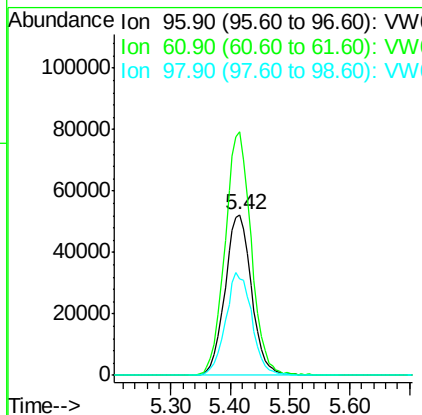
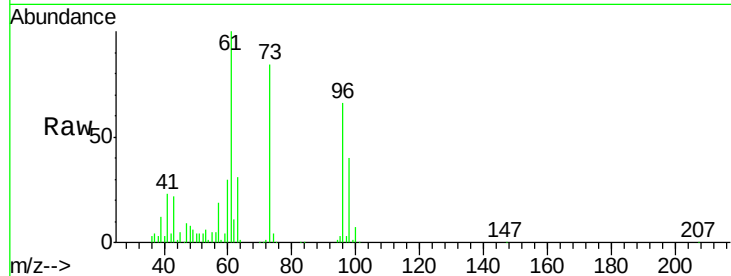
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	161546
Ion	Ratio	Lower	Upper
96	100		
61	151.5	108.2	162.4
98	59.9	50.9	76.3

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#22

Diisopropyl ether

Concen: 49.899 ug/l

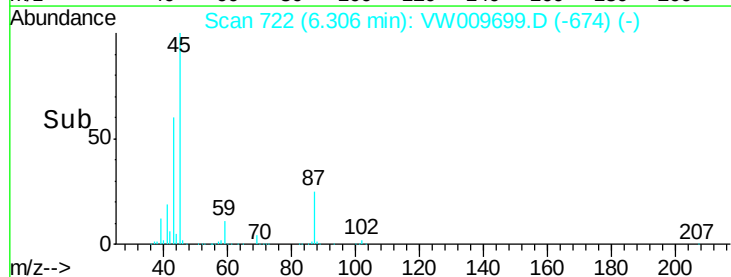
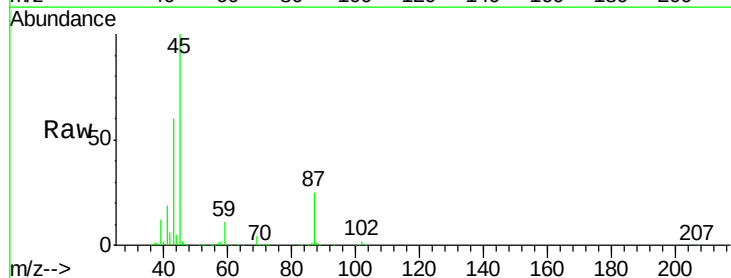
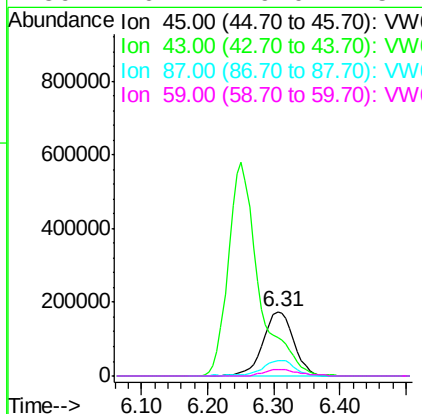
RT: 6.31 min Scan# 722

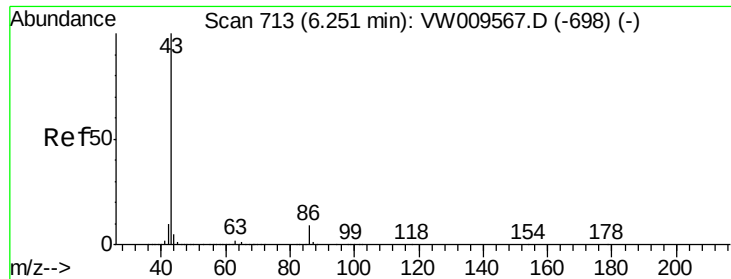
Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion:	45	Resp:	561331
Ion	Ratio	Lower	Upper
45	100		
43	60.3	47.9	71.9
87	24.4	20.6	30.8
59	10.4	9.0	13.4





#23

Vinyl Acetate

Concen: 264.633 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1857133

Ion Ratio Lower Upper

43 100

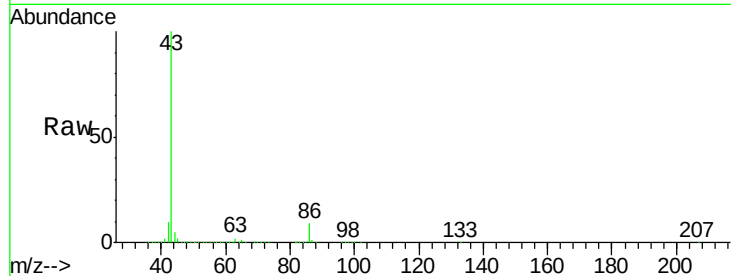
86 9.2

7.7 11.5

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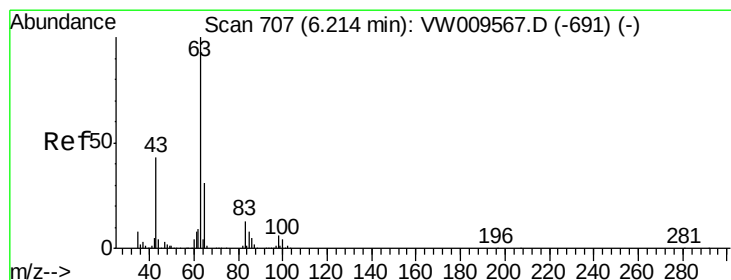
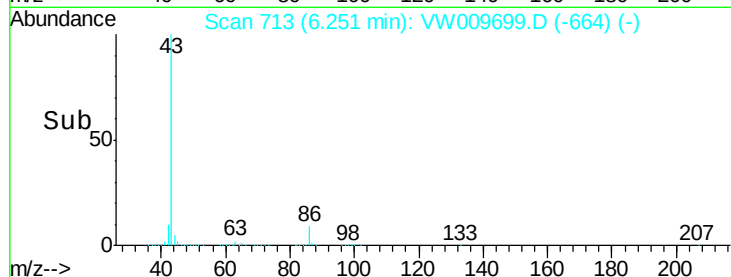
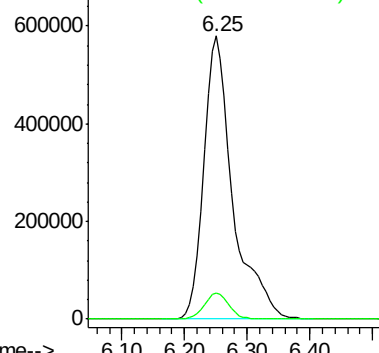
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.092 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion: 63 Resp: 318853

Ion Ratio Lower Upper

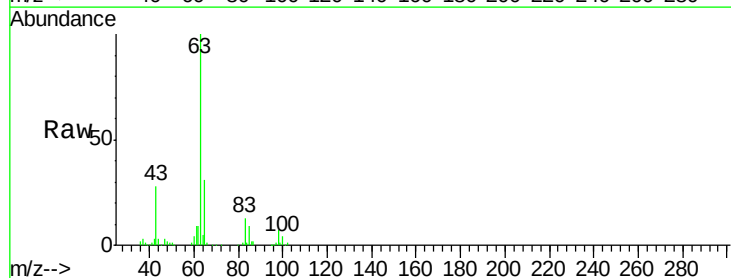
63 100

98 6.7

3.7 11.1

100 4.4

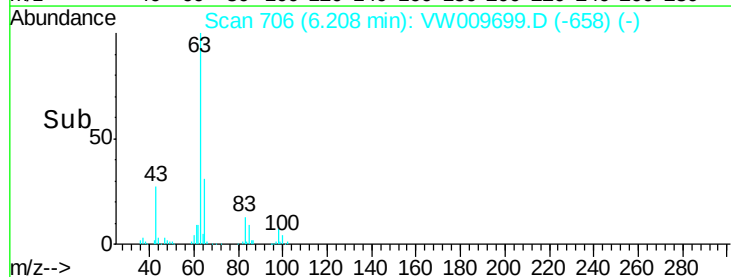
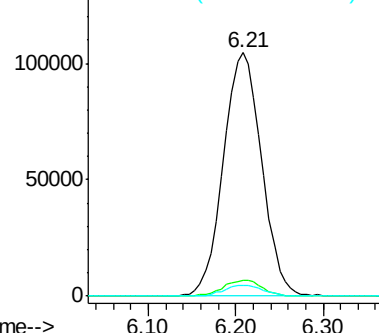
2.4 7.1

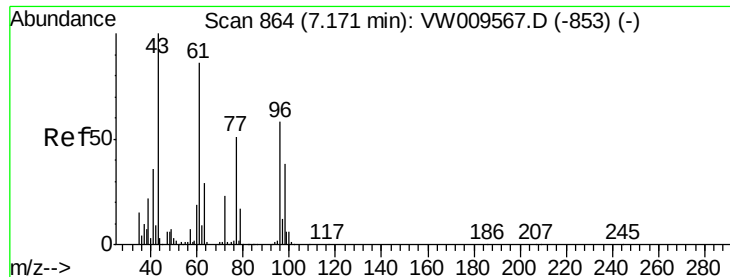


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 271.891 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 325935

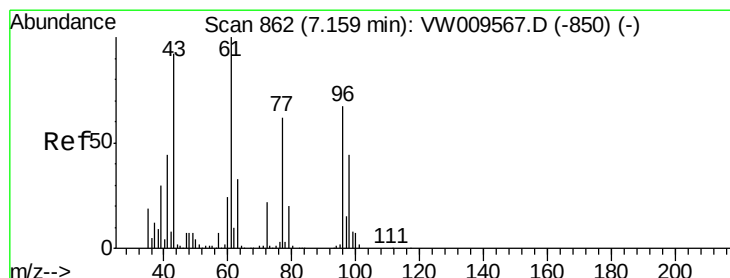
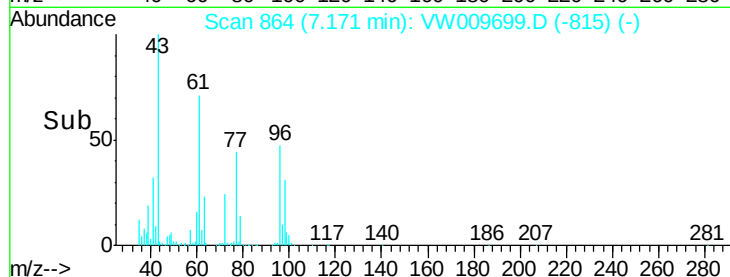
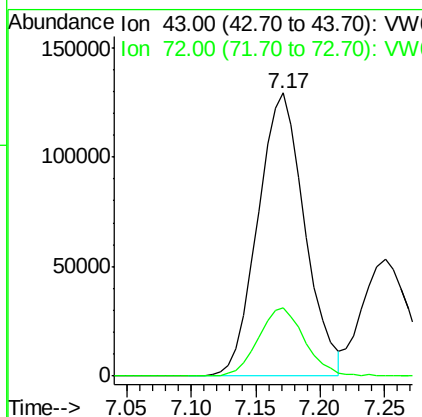
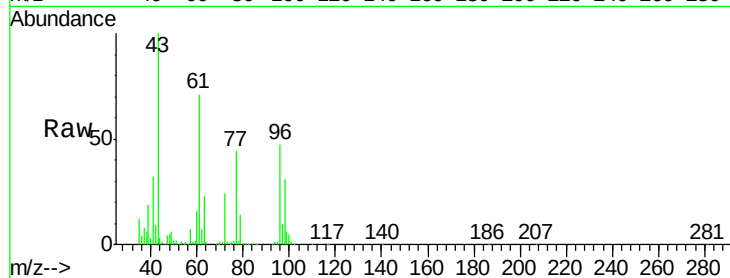
Ion Ratio Lower Upper

43 100

72 24.0 20.0 30.0

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#26

2,2-Dichloropropane

Concen: 48.893 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009699.D

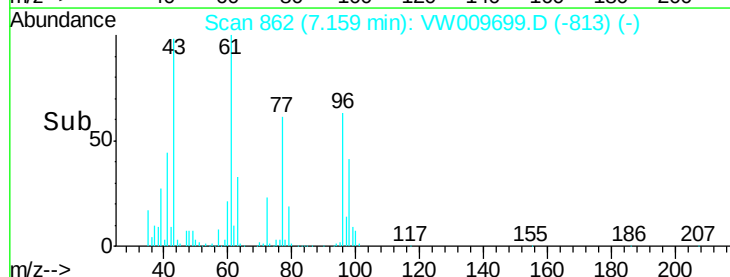
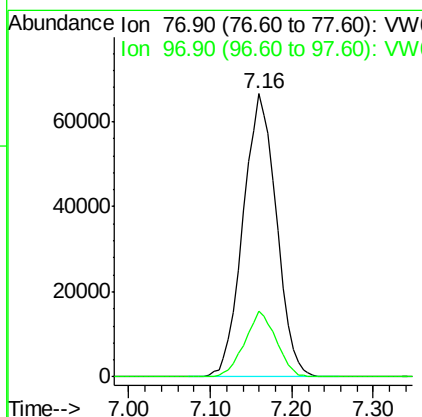
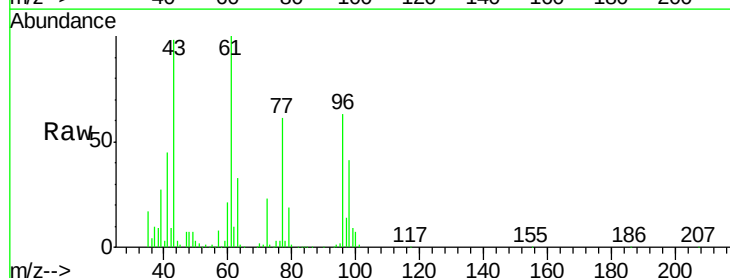
Acq: 04 Apr 2019 16:26

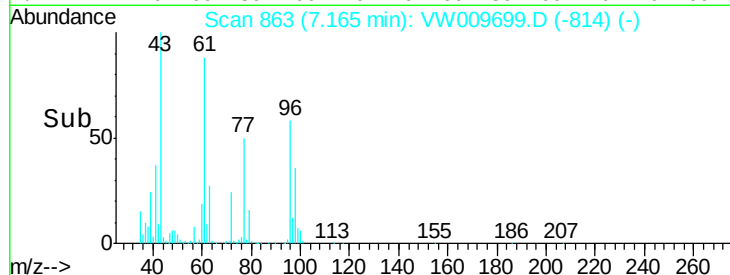
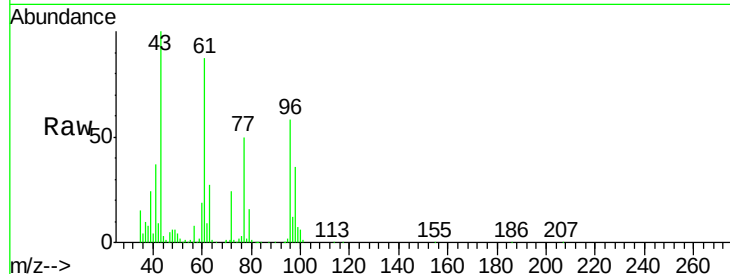
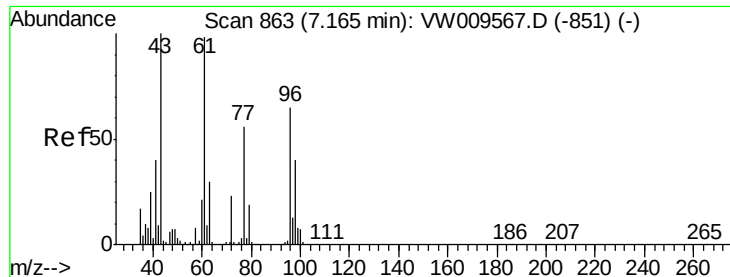
Tgt Ion: 77 Resp: 189267

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.7





#27

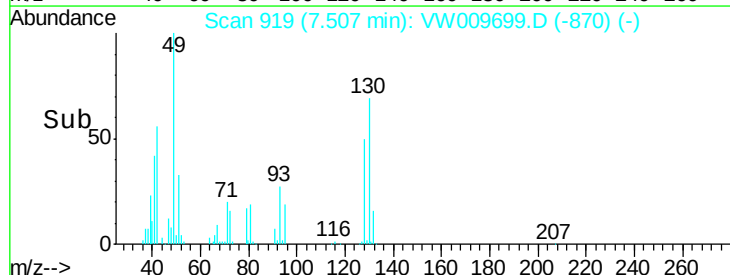
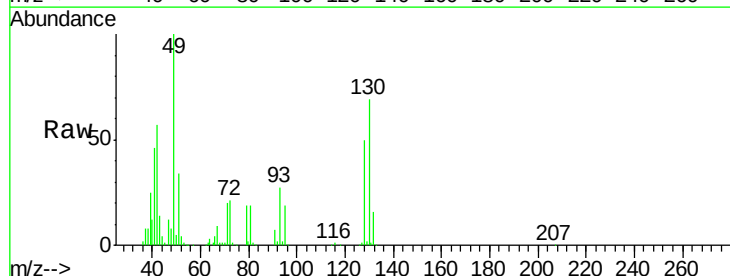
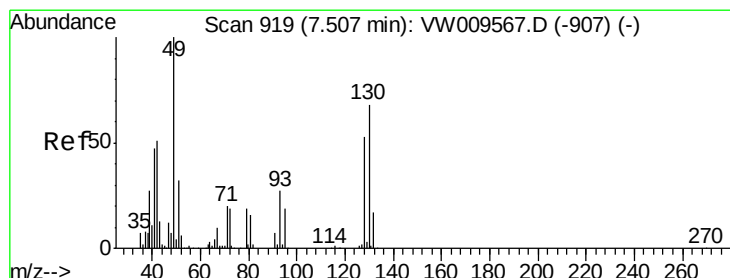
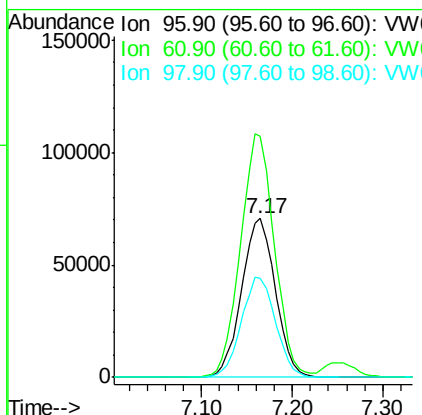
cis-1,2-Dichloroethene
Concen: 48.393 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tot Ion	Ratio	Resp	Lower	Upper
96	100	182741		
61	153.6	0.0	289.8	
98	63.8	0.0	130.8	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

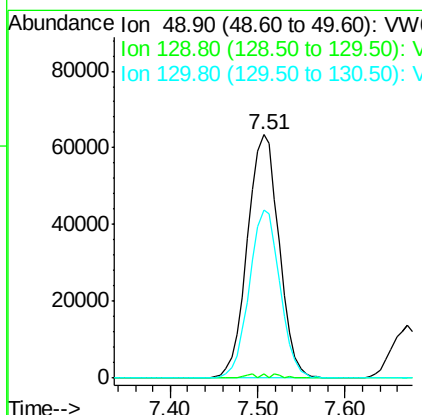
mohammad
4/5/2019 3:51:06 PM

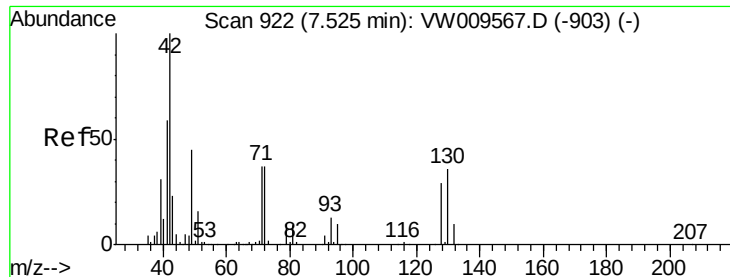


#28

Bromochloromethane
Concen: 54.462 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	159788		
129	0.3	0.0	1.4	
130	66.9	58.6	88.0	





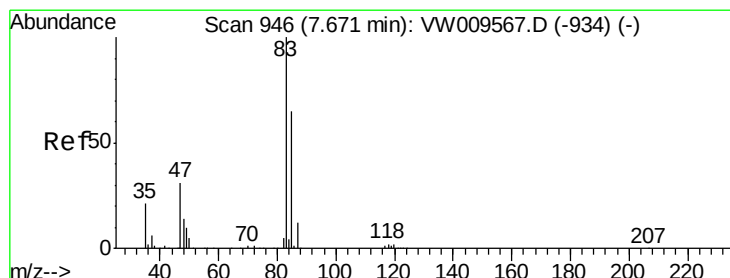
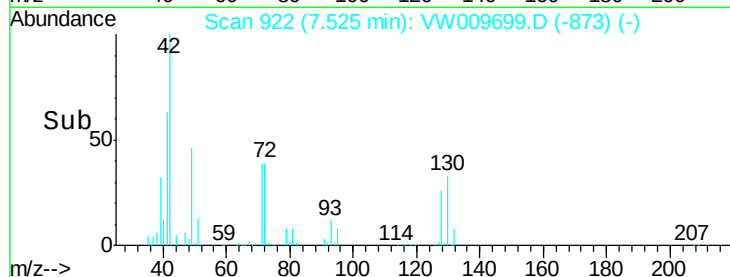
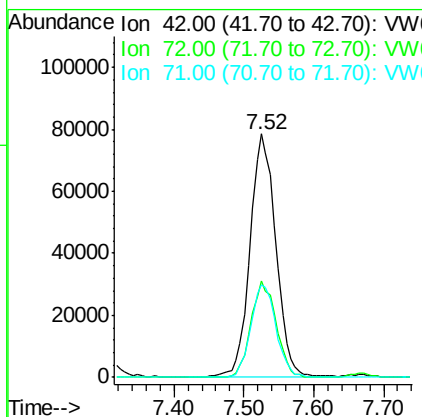
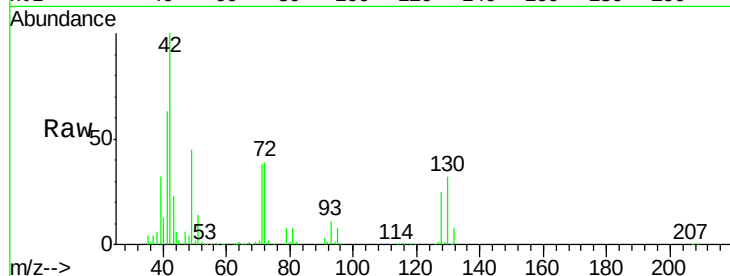
#29
Tetrahydrofuran
Concen: 269.779 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	32.4	48.6
71	37.6	30.1	45.1

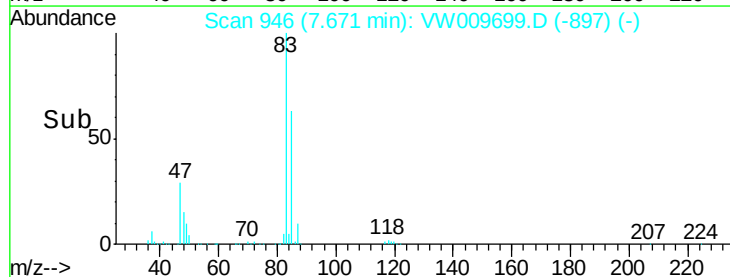
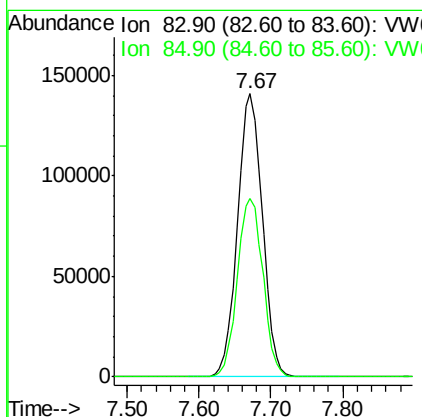
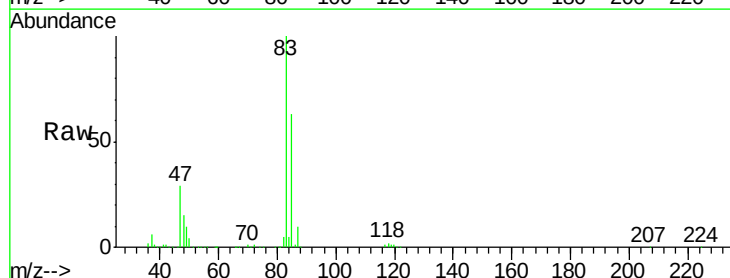
Manual Integrations
APPROVED

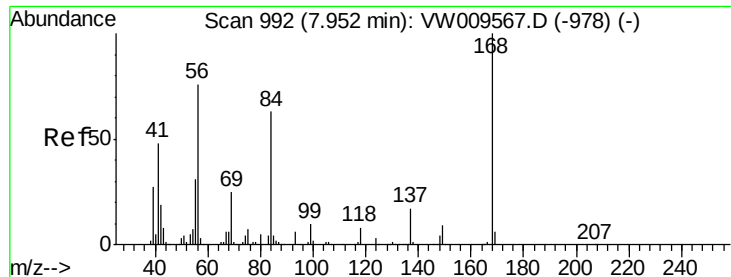
mohammad
4/5/2019 3:51:06 PM



#30
Chloroform
Concen: 48.156 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.0	76.6





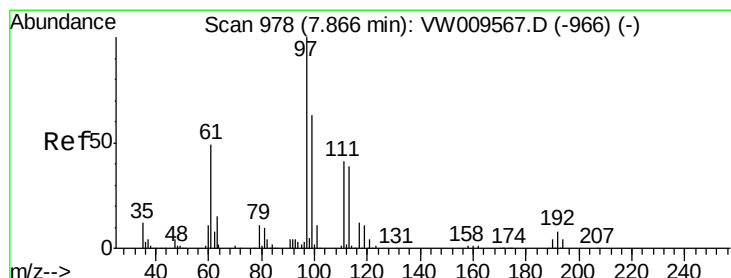
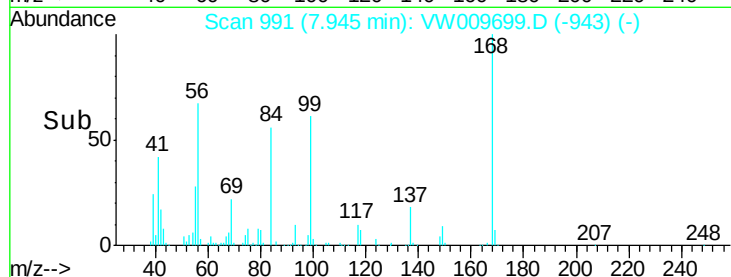
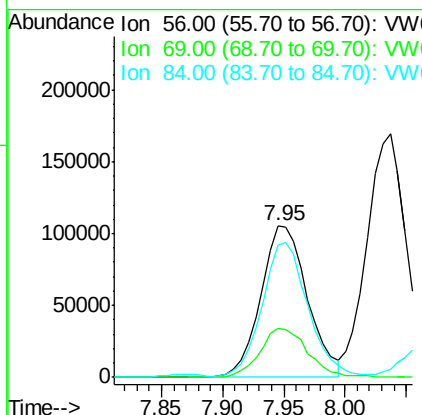
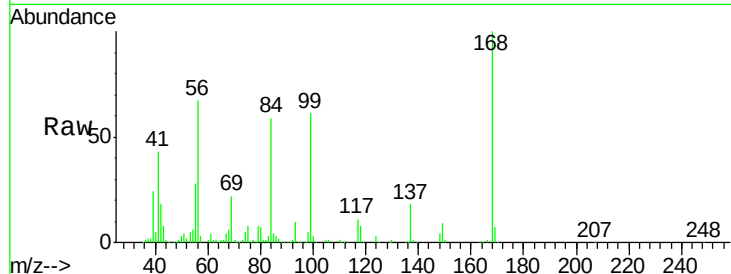
#31
Cyclohexane
Concen: 44.014 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.1	39.1
84	85.1	68.6	103.0

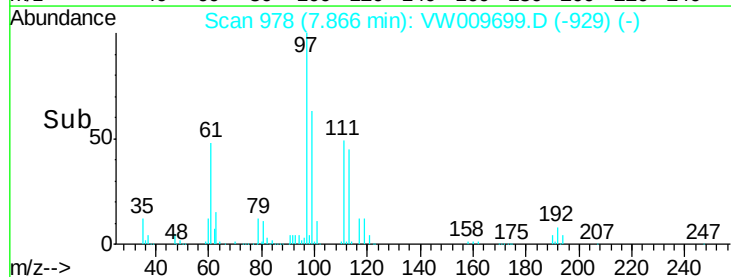
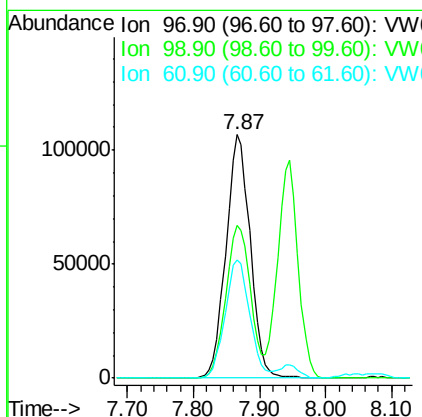
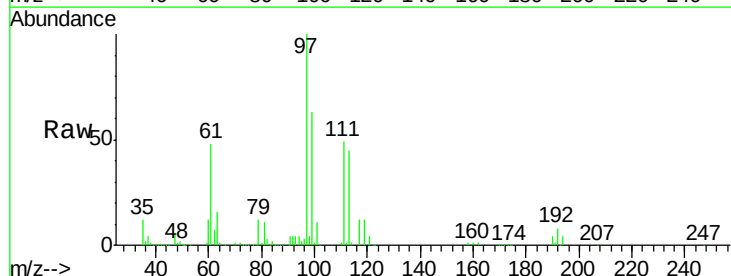
Manual Integrations
APPROVED

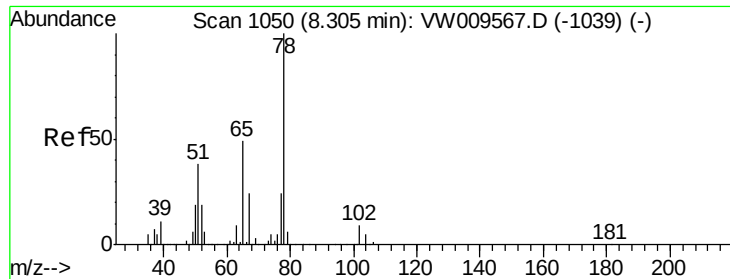
mohammad
4/5/2019 3:51:06 PM



#32
1,1,1-Trichloroethane
Concen: 47.662 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.9	77.9
61	49.6	36.8	55.2





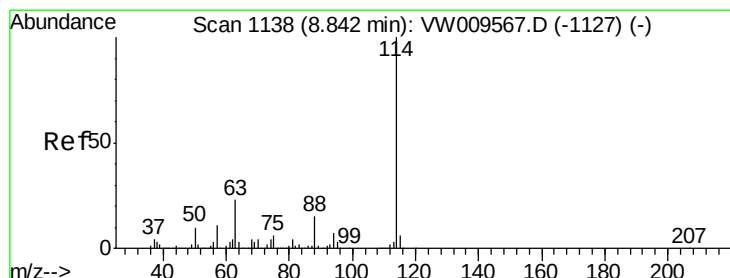
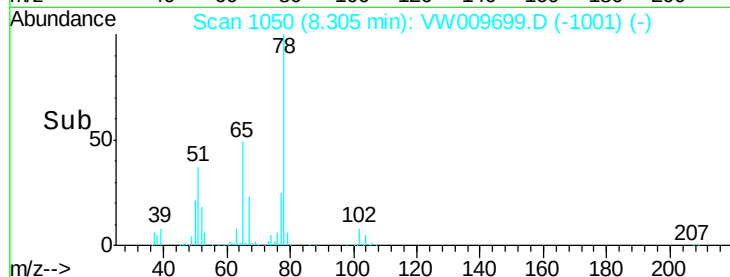
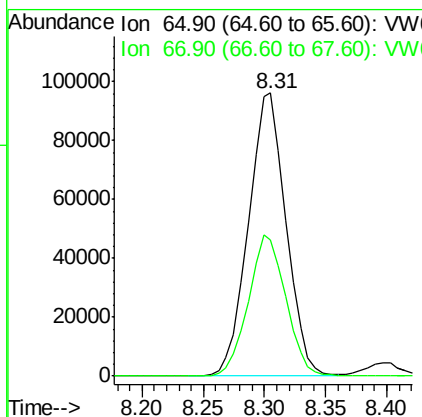
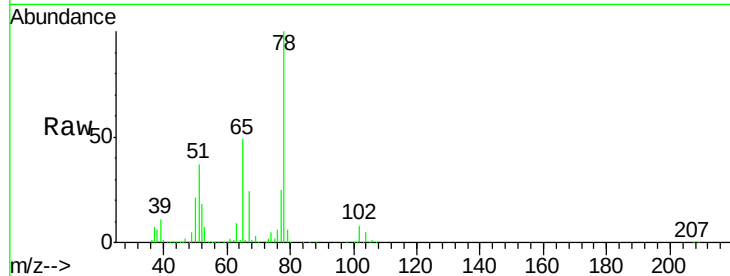
#33
 1,2-Dichloroethane-d4
 Concen: 53.338 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	205795		
67	49.8	0.0	102.4	

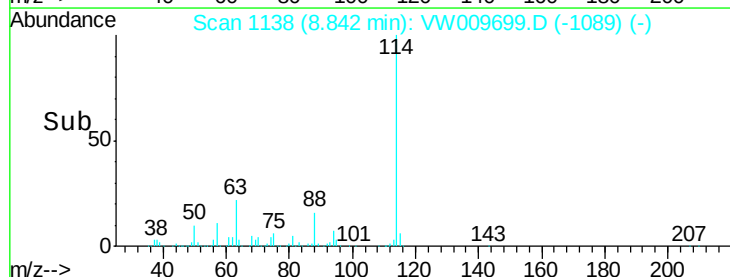
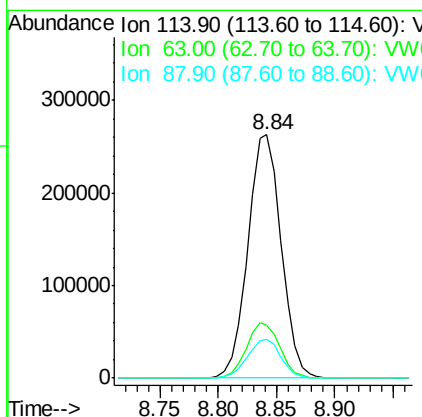
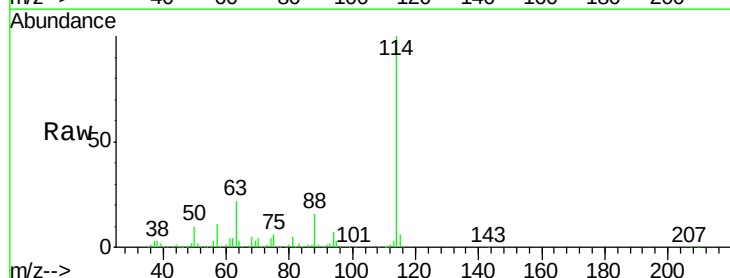
Manual Integrations
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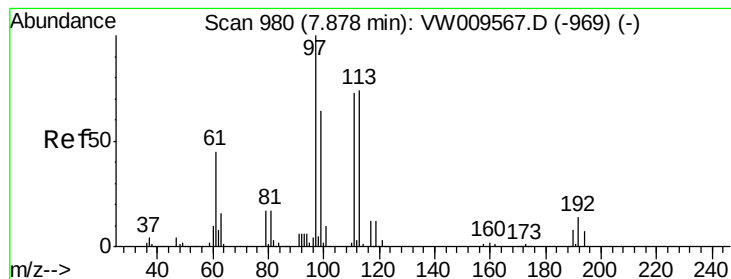
mohammad
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	524026		
63	22.0	0.0	42.2	
88	16.1	0.0	30.8	





#35

Dibromofluoromethane

Concen: 51.457 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

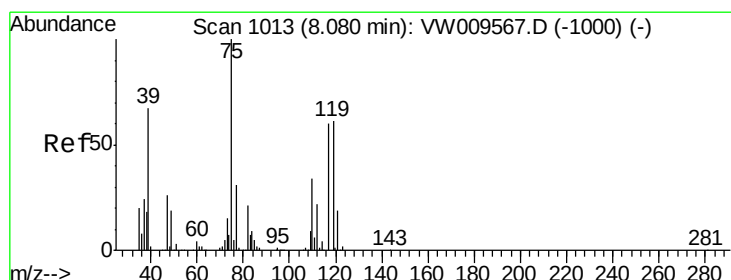
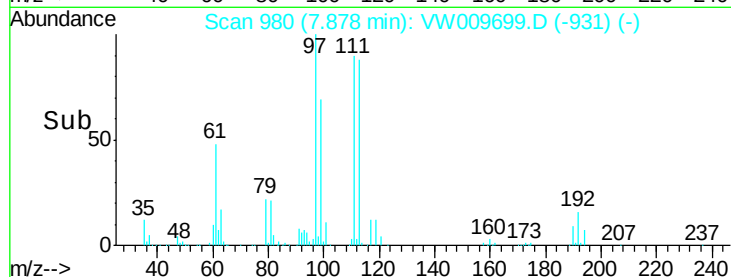
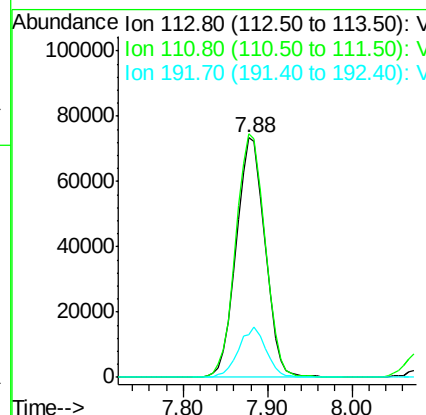
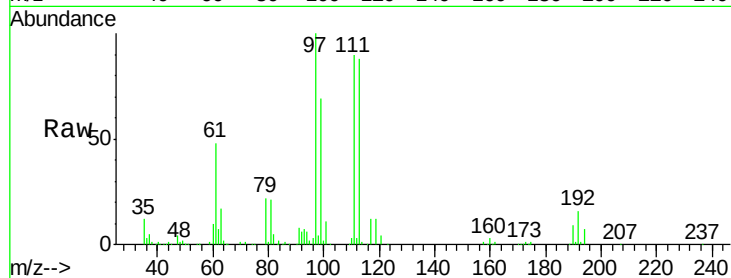
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	169360
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.6	124.0
192	20.1	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.239 ug/l

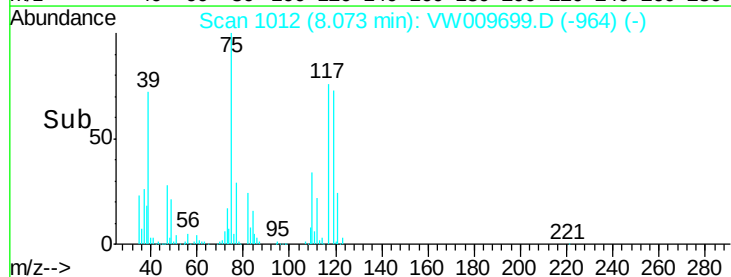
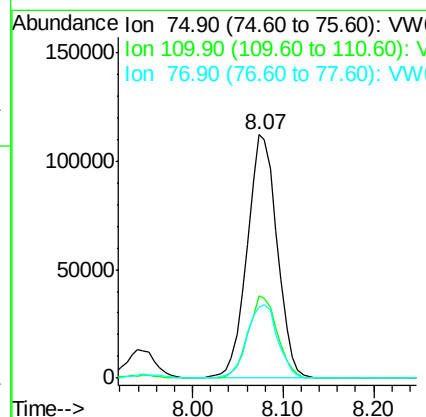
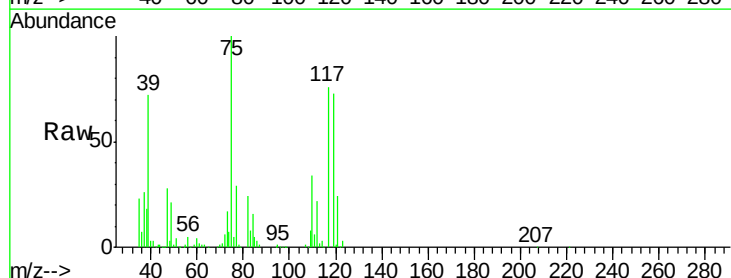
RT: 8.07 min Scan# 1012

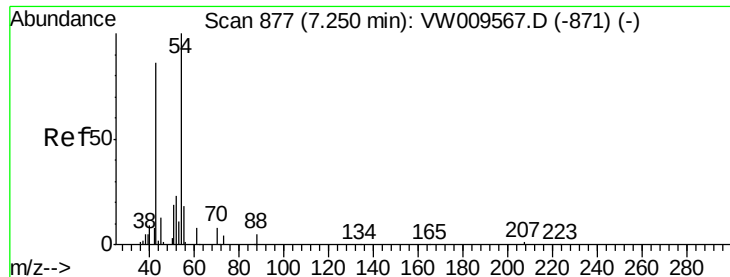
Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion:	75	Resp:	256045
Ion Ratio	Lower	Upper	
75	100		
110	33.2	16.8	50.4
77	30.8	24.6	36.8





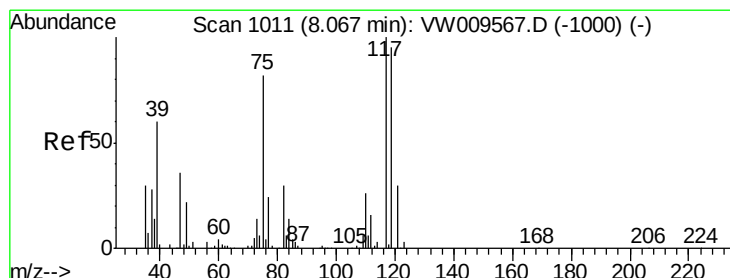
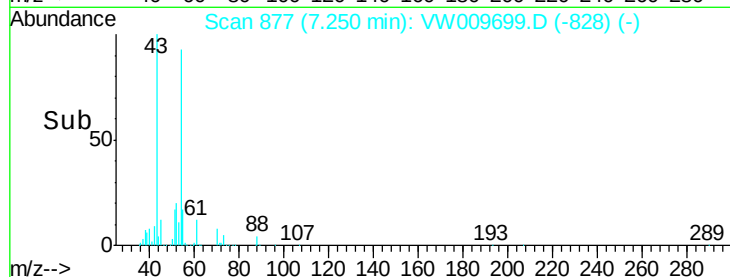
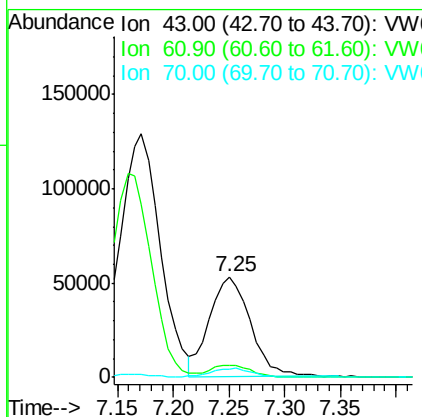
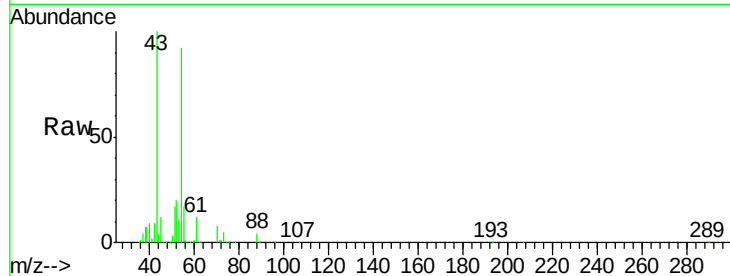
#37
Ethyl Acetate
Concen: 52.513 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.0	15.0
70	8.9	7.3	10.9

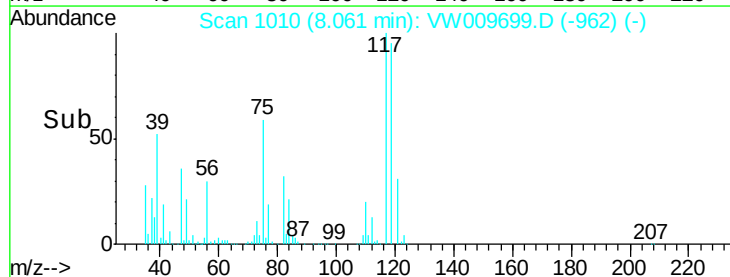
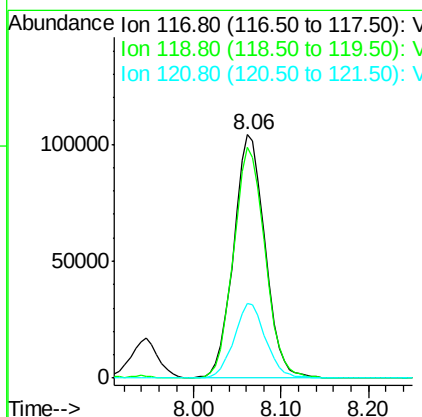
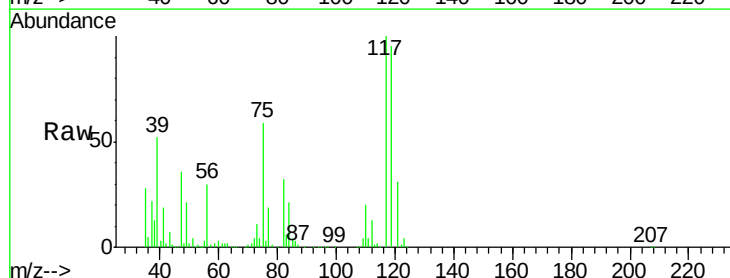
Manual Integrations
APPROVED

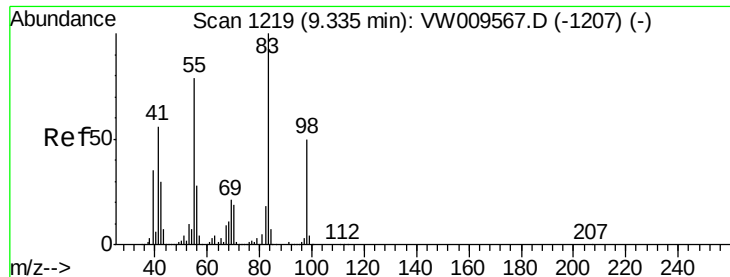
mohammad
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#38
Carbon Tetrachloride
Concen: 46.699 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.4	113.0
121	30.6	24.9	37.3





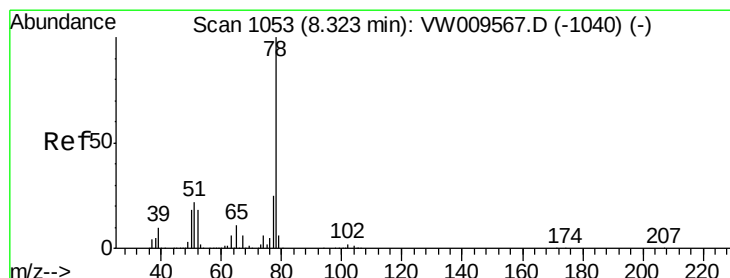
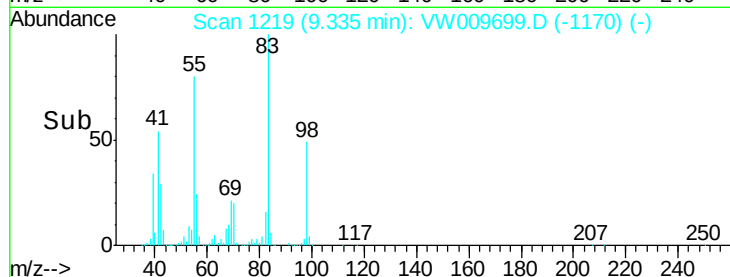
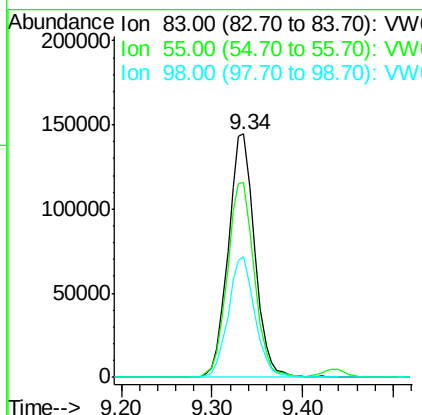
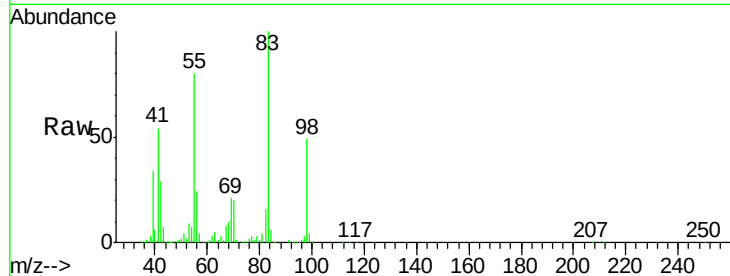
#39
Methylvlcyclohexane
Concen: 47.897 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	296549		
55	80.3		61.1	91.7
98	49.5		39.0	58.4

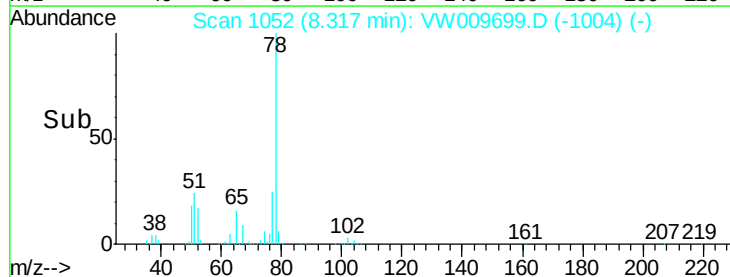
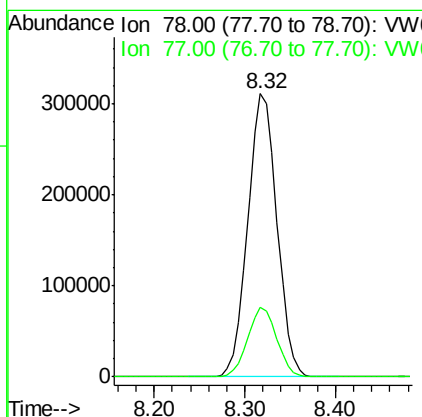
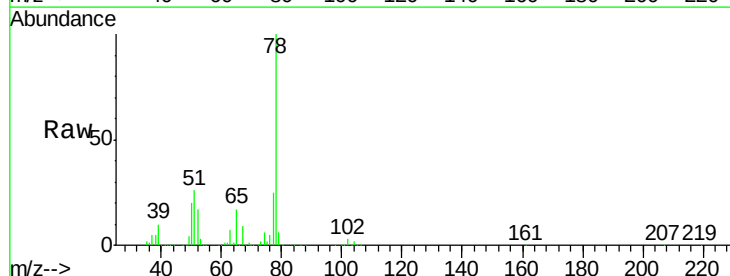
Manual Integrations
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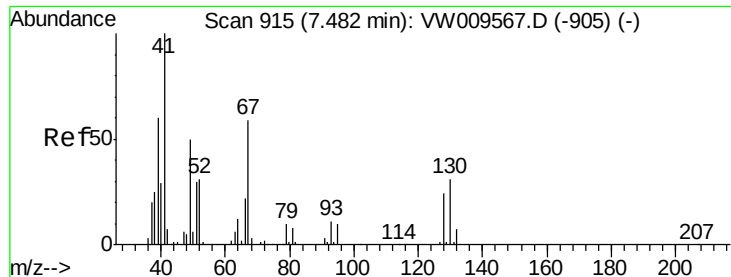
mohammad
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#40
Benzene
Concen: 47.062 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	690929		
77	24.7		19.8	29.6





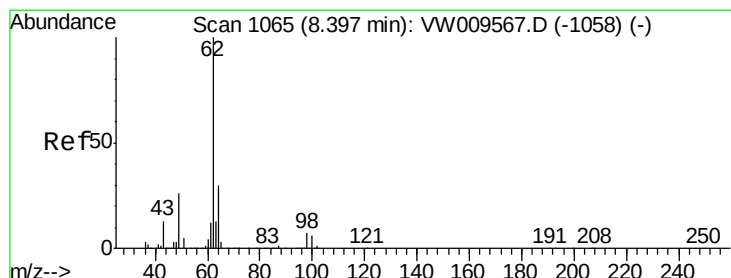
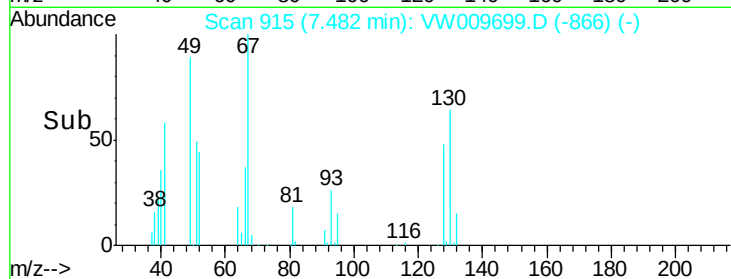
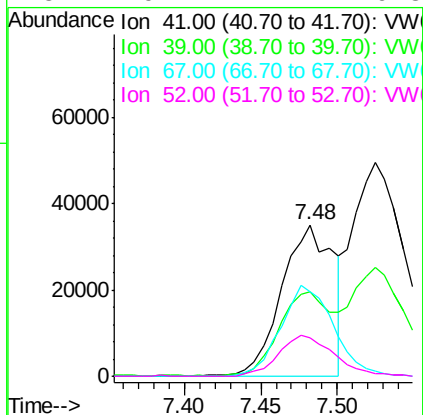
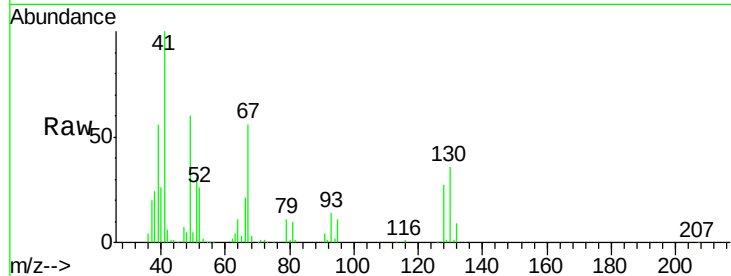
#41
Methacrylonitrile
Concen: 49.490 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.6	52.5	78.7	
67	61.4	56.6	84.8	
52	29.2	27.2	40.8	

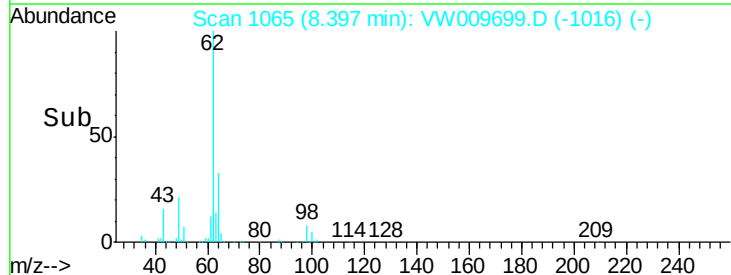
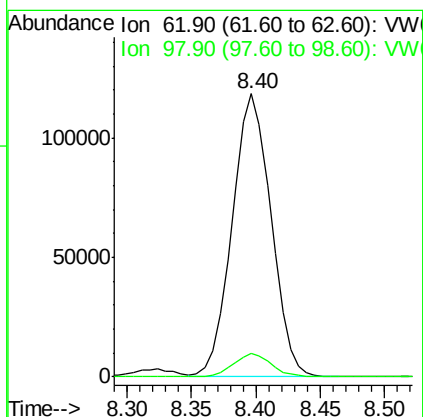
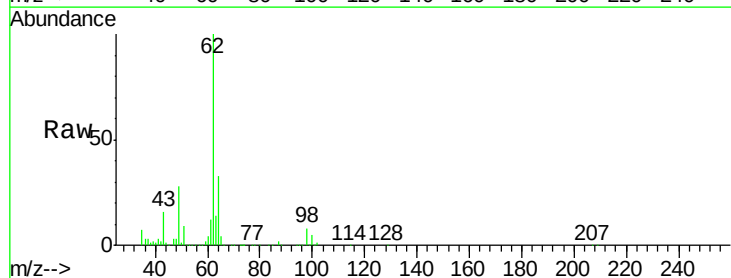
Manual Integrations
APPROVED

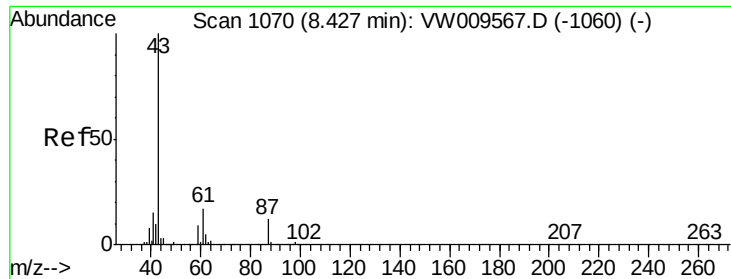
mohammad
4/5/2019 3:51:06 PM



#42
1,2-Dichloroethane
Concen: 49.618 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	17.4	





#43

Isopropyl Acetate

Concen: 53.015 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

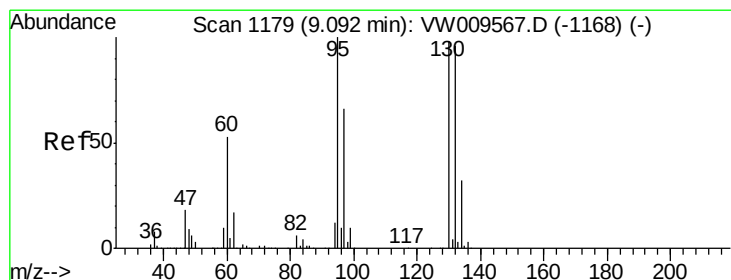
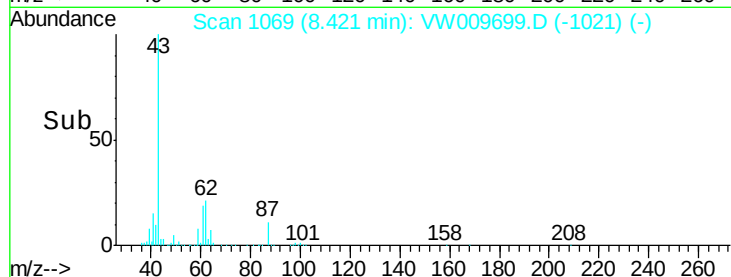
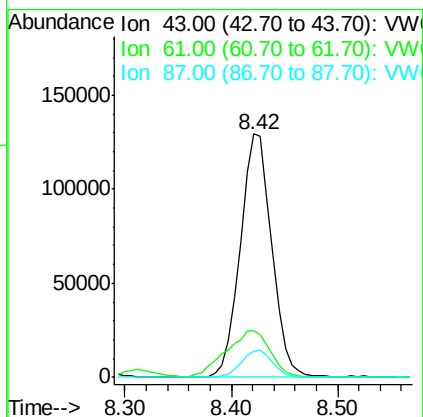
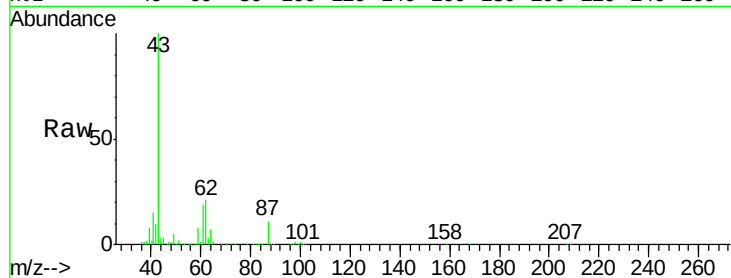
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	267547
Ion	Ratio	Lower	Upper
43	100		
61	26.8	22.2	33.2
87	11.2	9.6	14.4

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mohammad
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#44

Trichloroethene

Concen: 47.454 ug/l

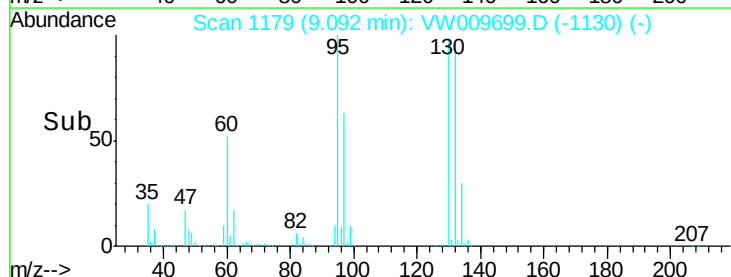
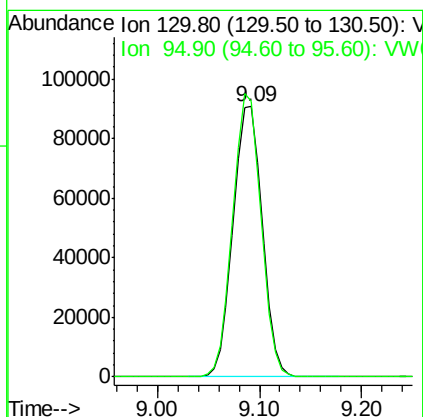
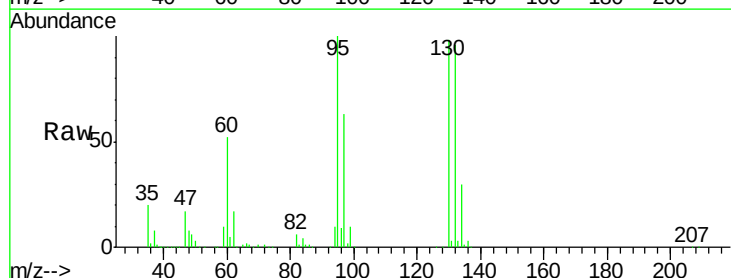
RT: 9.09 min Scan# 1179

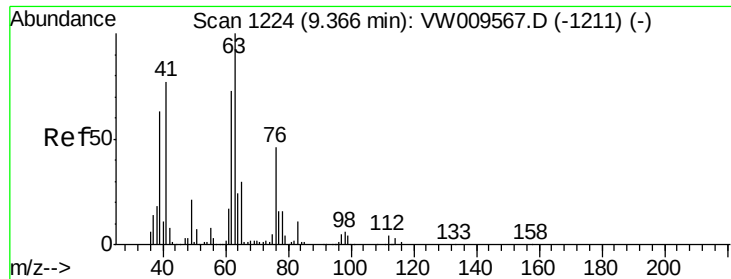
Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion:	130	Resp:	180366
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	192.6





#45

1,2-Dichloropropane

Concen: 47.919 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 180071

Ion Ratio Lower Upper

63 100

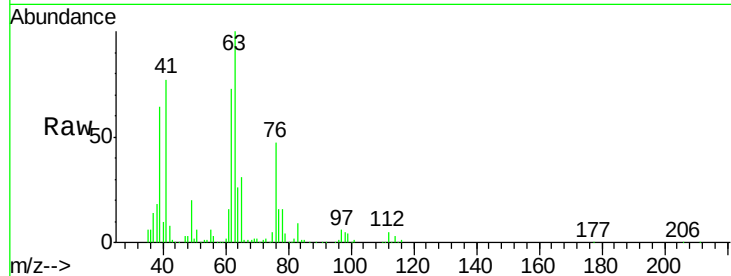
65 31.0 25.8 38.8

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

80000

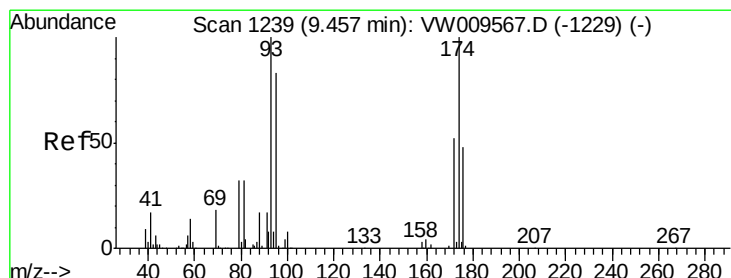
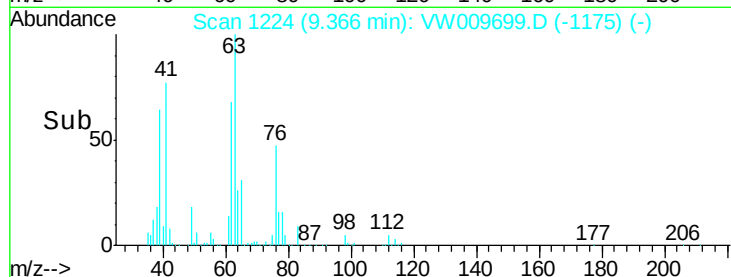
60000

40000

20000

0

Time--> 9.20 9.30 9.40 9.50



#46

Dibromomethane

Concen: 49.389 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

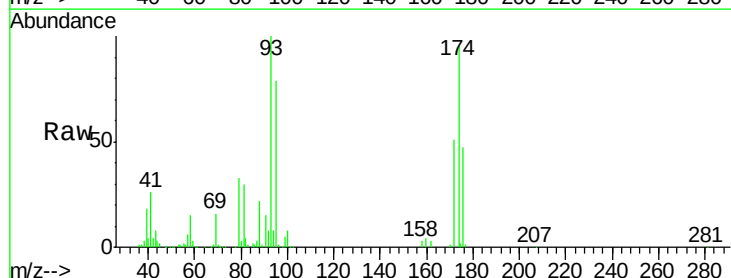
Tgt Ion: 93 Resp: 100542

Ion Ratio Lower Upper

93 100

95 80.5 66.9 100.3

174 94.4 80.8 121.2



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

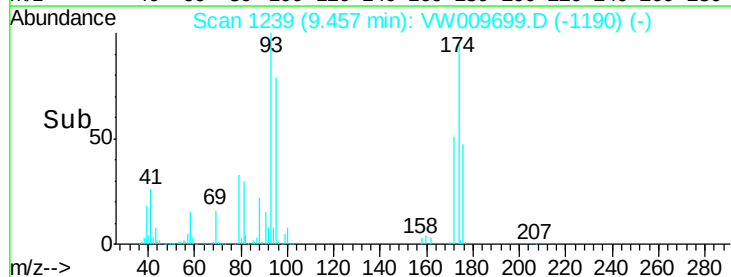
60000

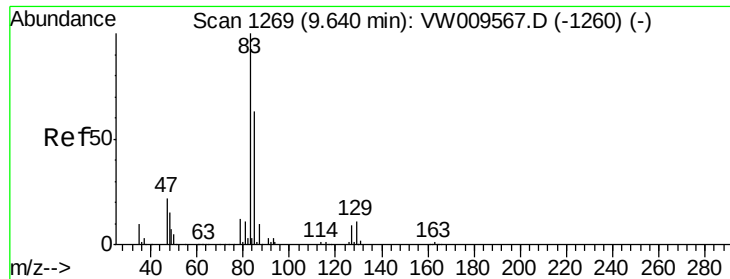
40000

20000

0

Time--> 9.40 9.50 9.60





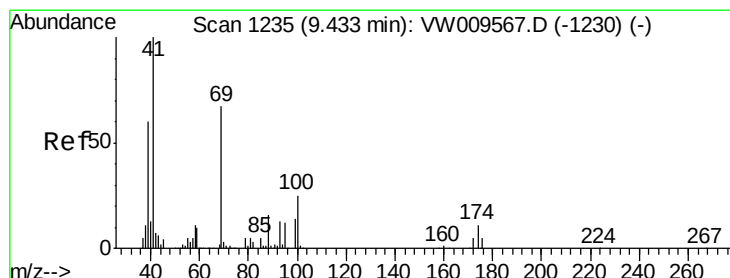
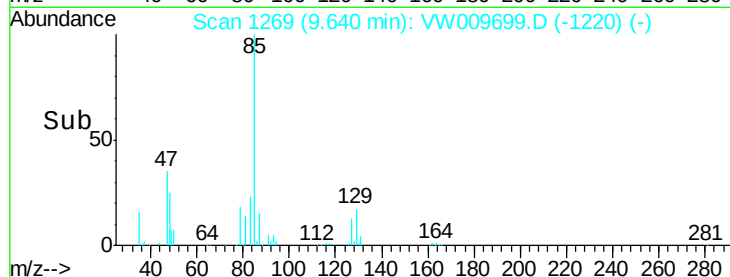
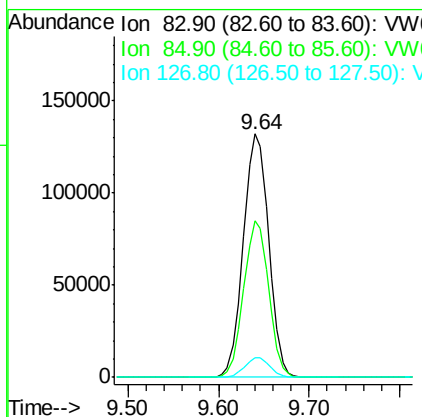
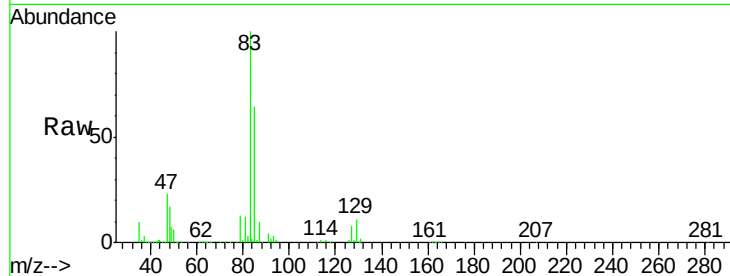
#47
Bromodichloromethane
Concen: 49.234 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0
127	8.2	6.5	9.7

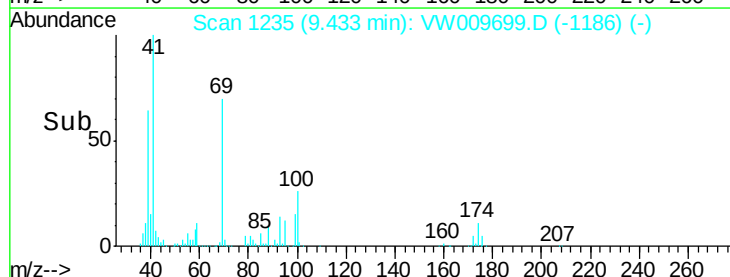
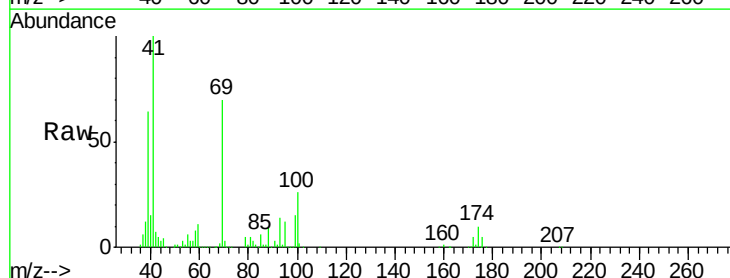
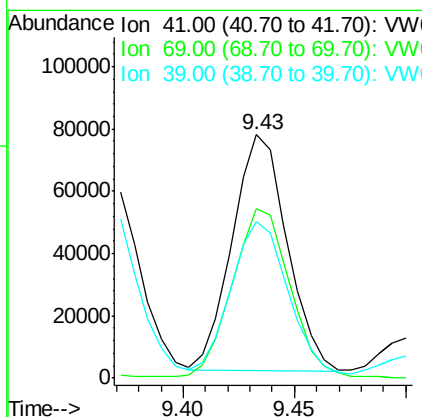
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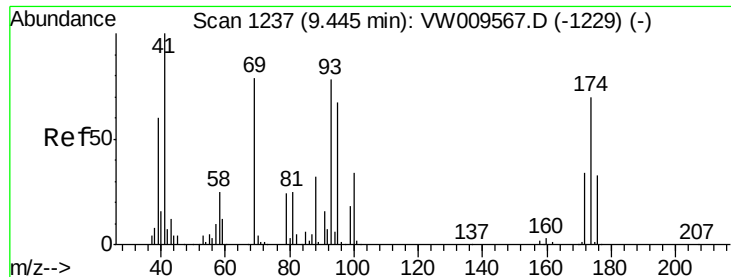
mohammad
4/5/2019 3:51:06 PM



#48
Methyl methacrylate
Concen: 55.147 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.0	94.6
39	70.5	57.2	85.8





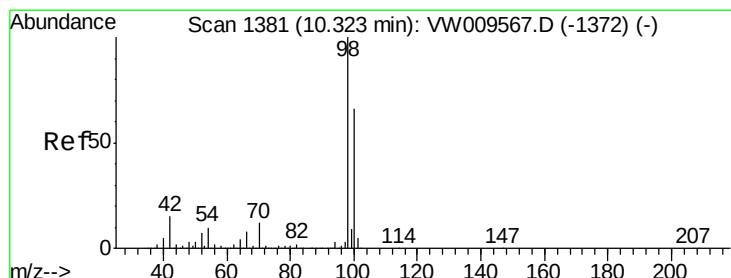
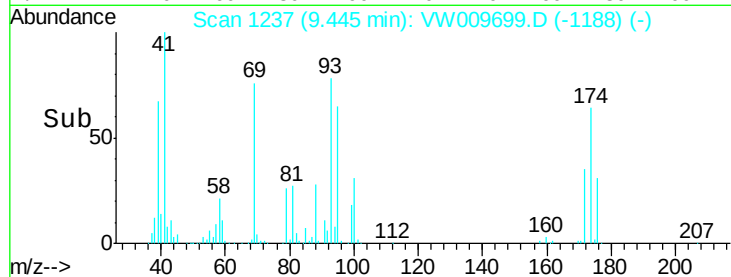
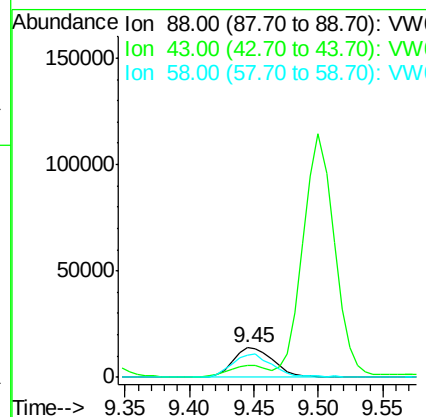
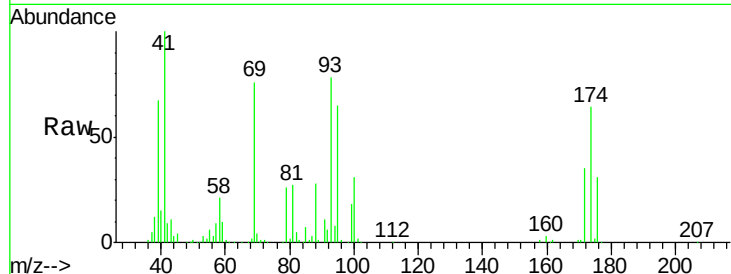
#49
1,4-Dioxane
Concen: 1005.354 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	30478
Ion Ratio	Lower	Upper	
88	100		
43	36.5	29.7	44.5
58	80.7	58.1	87.1

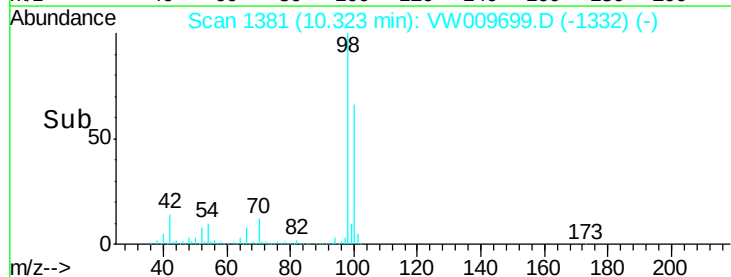
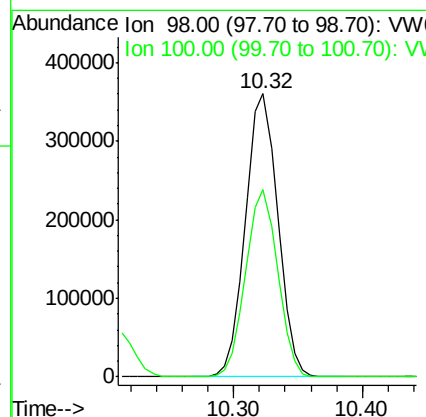
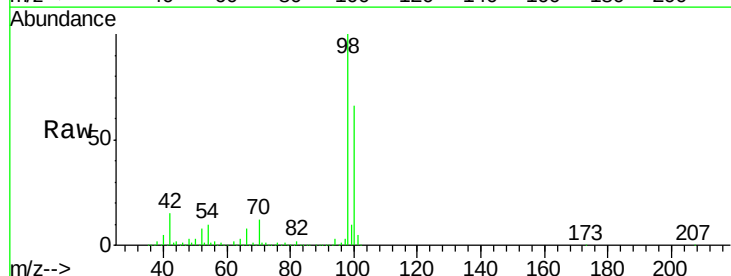
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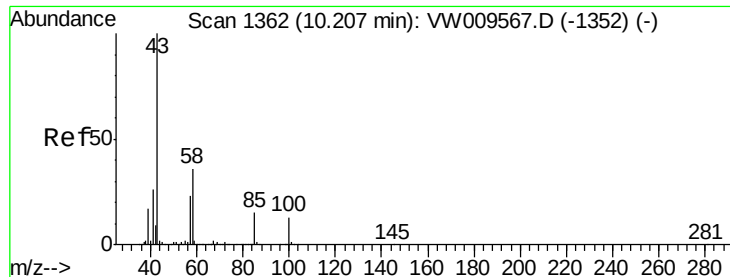
mohammad
4/5/2019 3:51:06 PM



#50
Toluene-d8
Concen: 51.578 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	98	Resp	627443
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 272.612 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 736086

Ion Ratio Lower Upper

43 100

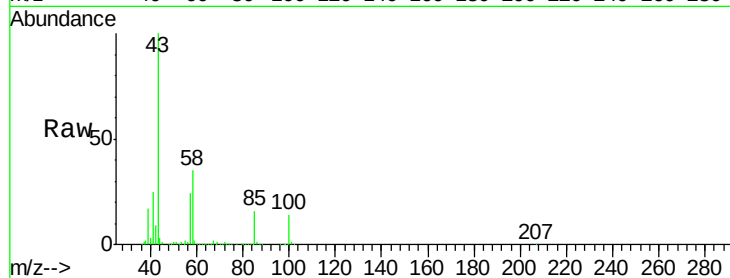
58 34.8 28.6 42.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

400000

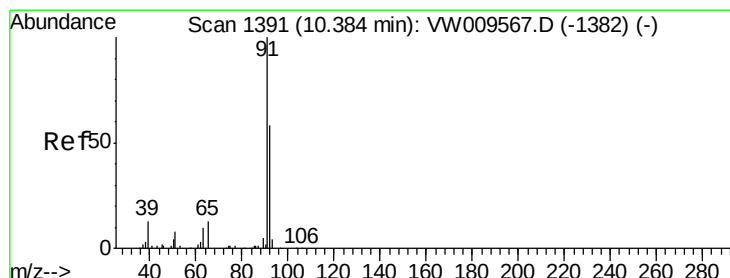
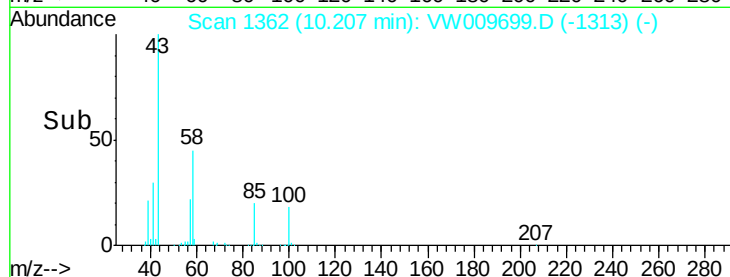
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.668 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009699.D

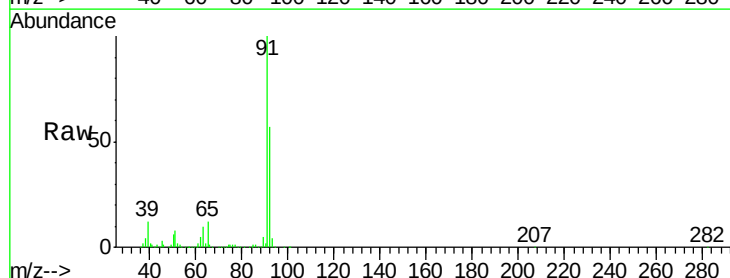
Acq: 04 Apr 2019 16:26

Tgt Ion: 92 Resp: 447454

Ion Ratio Lower Upper

92 100

91 173.1 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

400000

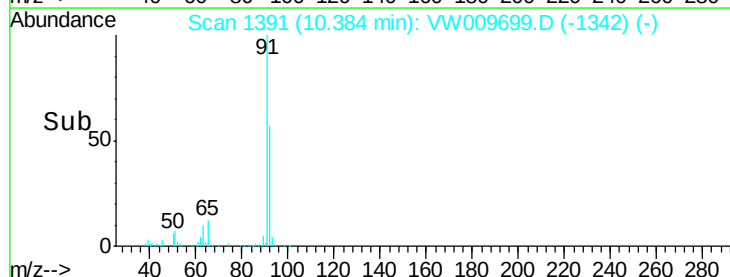
300000

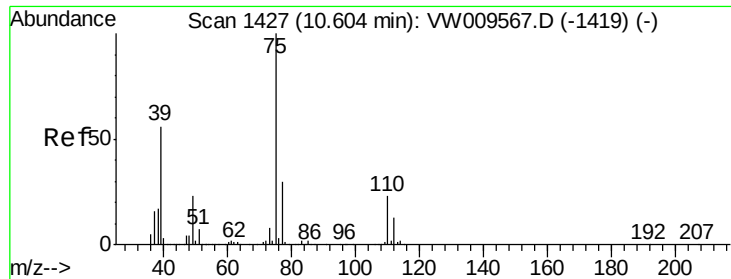
200000

100000

0

Time-->





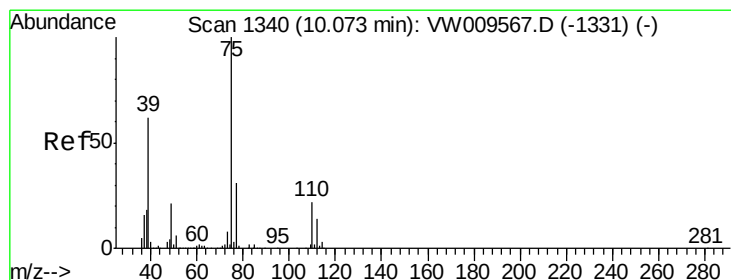
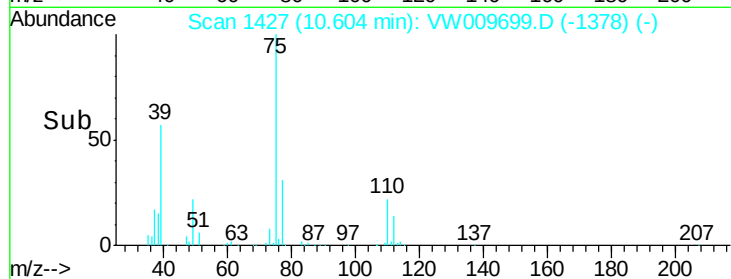
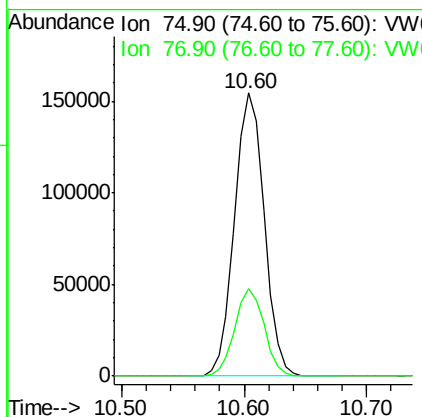
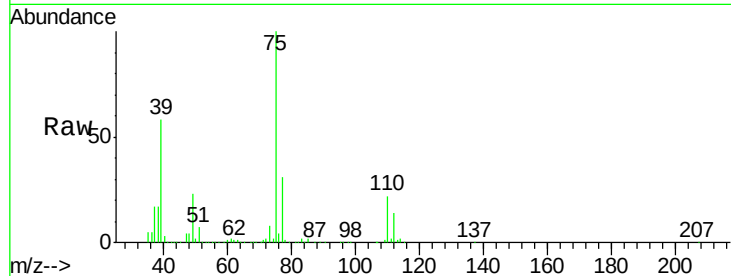
#53
 t-1,3-Dichloropropene
 Concen: 51.130 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.8	37.2

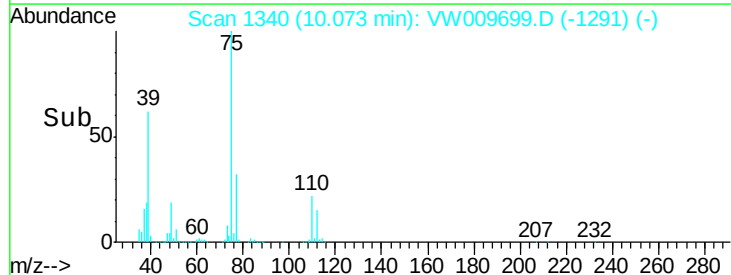
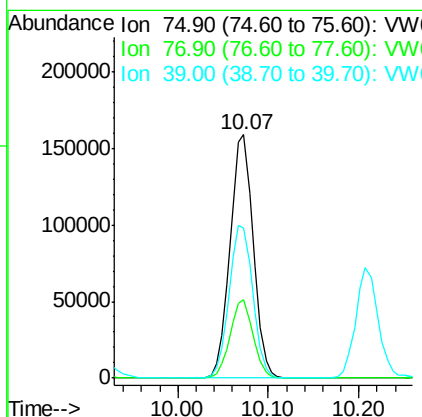
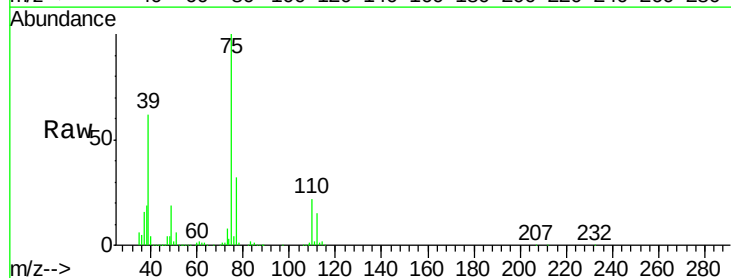
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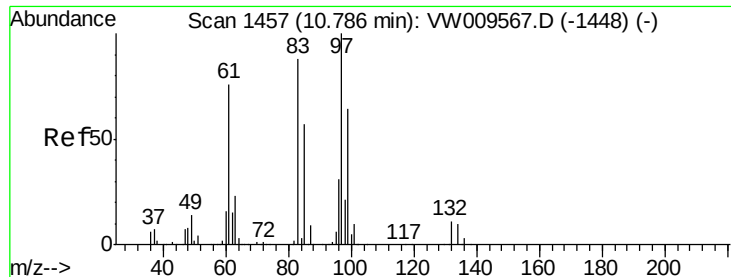
mohammad
 4/5/2019 3:51:06 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.157 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.9	38.9
39	61.5	46.8	70.2





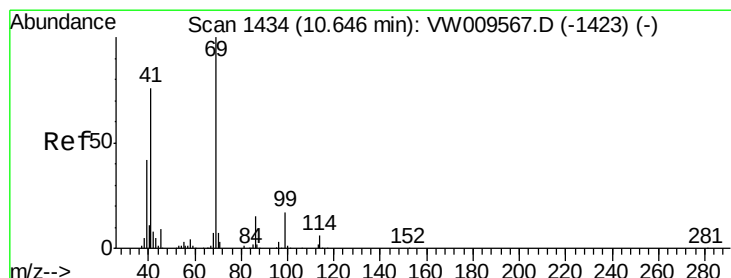
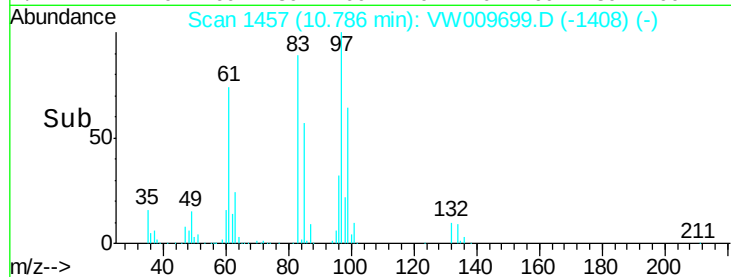
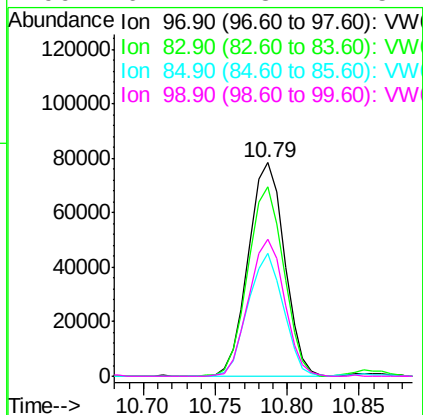
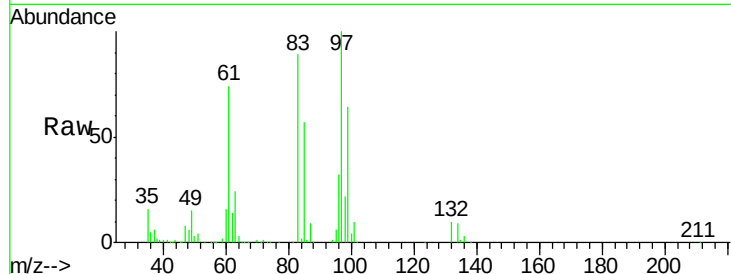
#55
 1,1,2-Trichloroethane
 Concen: 49.744 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		136877		
83	88.9	66.3	99.5		
85	57.3	41.4	62.2		
99	64.2	48.7	73.1		

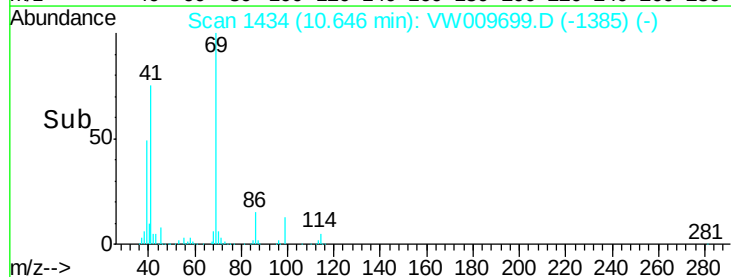
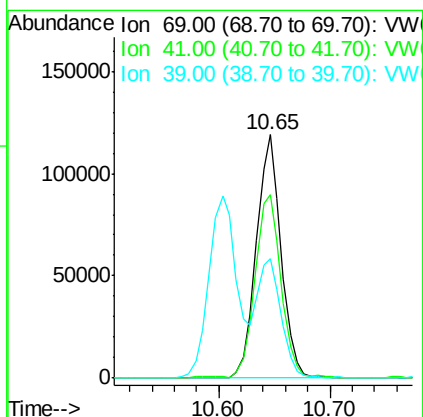
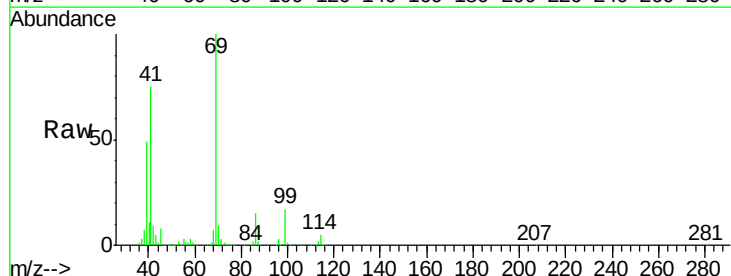
Manual Integrations
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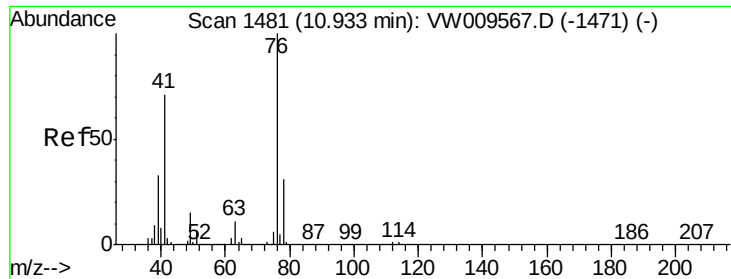
mohammad
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#56
 Ethyl methacrylate
 Concen: 48.350 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		183741		
41	78.5	59.3	88.9		
39	46.9	36.2	54.2		





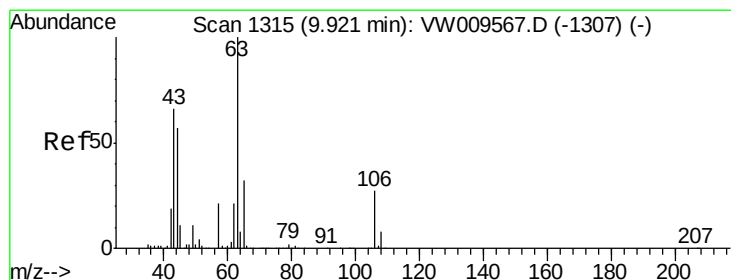
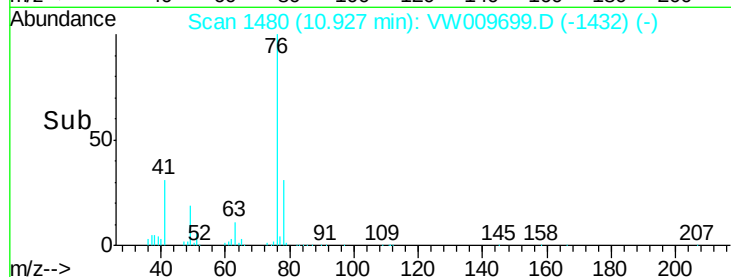
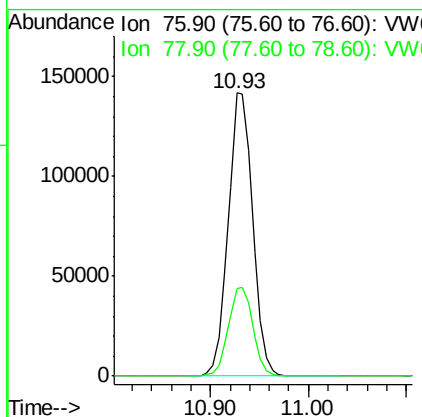
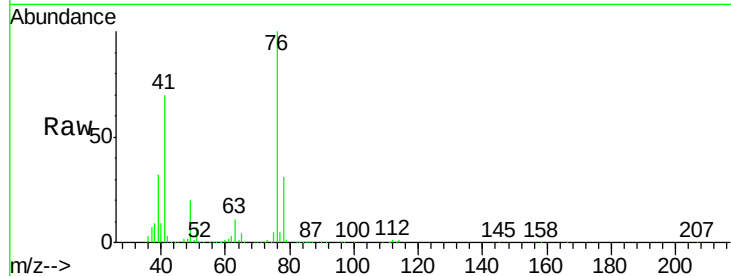
#57
 1,3-Dichloropropane
 Concen: 50.299 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 245333
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6

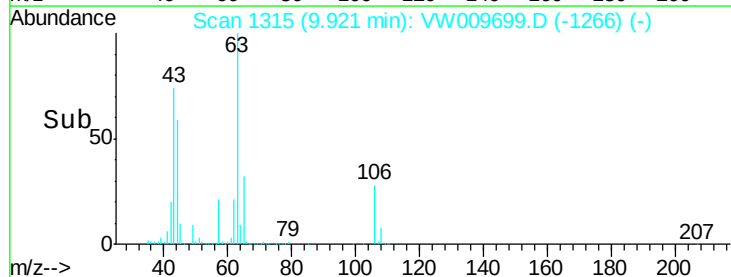
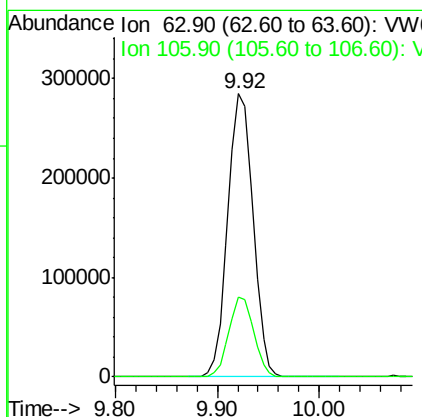
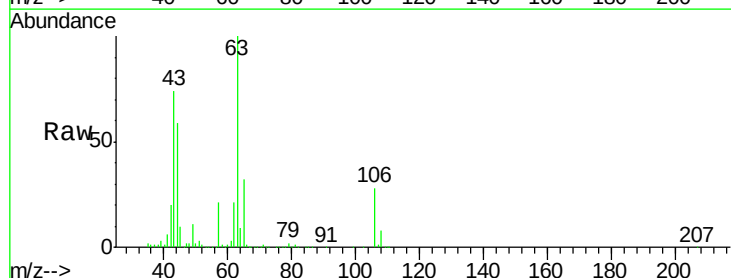
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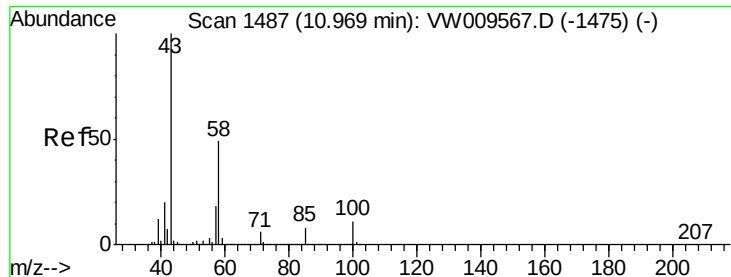
mohammad
 4/5/2019 3:51:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.922 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 63 Resp: 488480
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.9 34.3





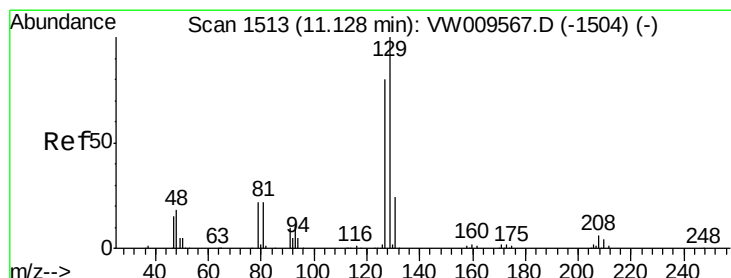
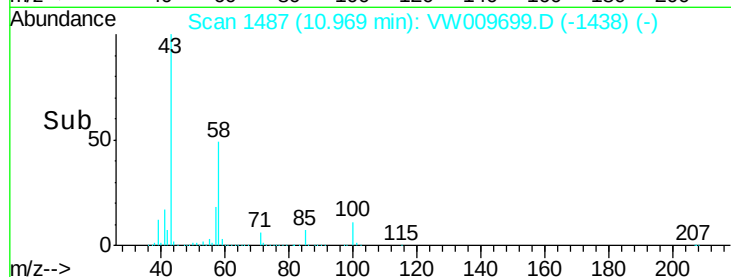
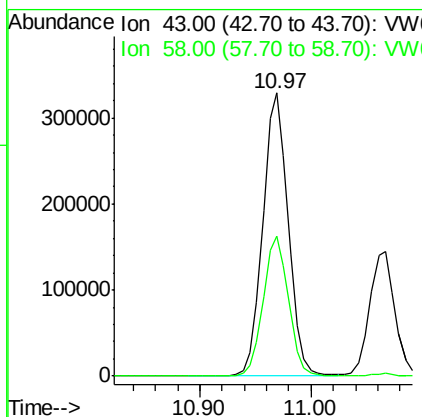
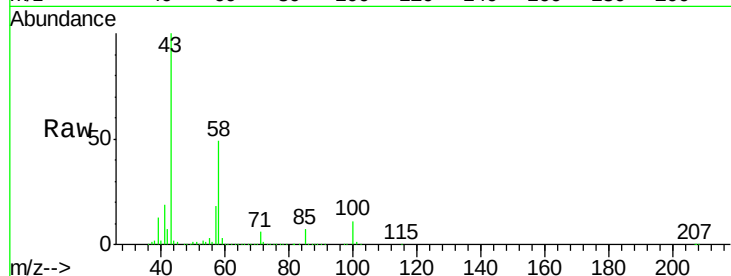
#59
2-Hexanone
Concen: 279.939 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	523115
Ion Ratio	100	Lower	Upper
43	100		
58	49.2	24.2	72.6

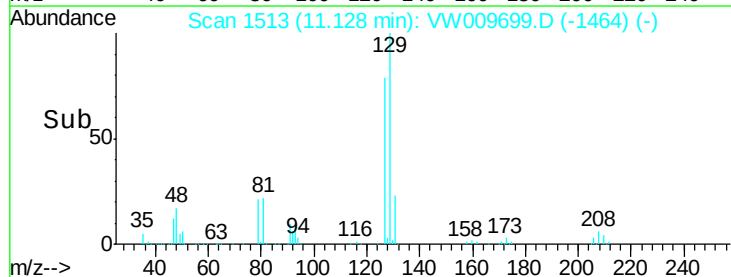
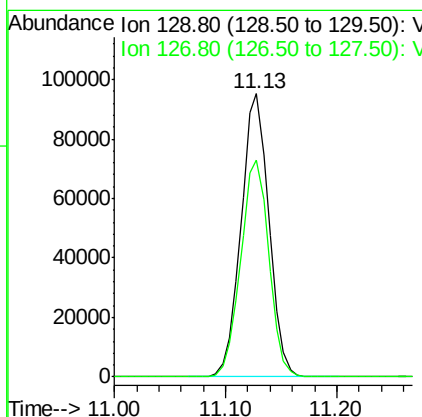
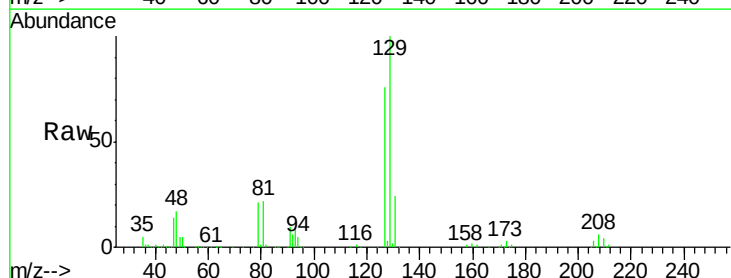
Manual Integrations
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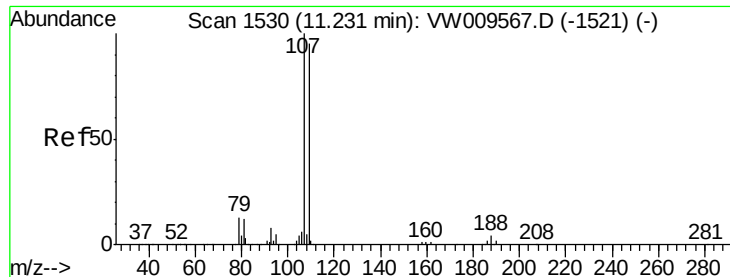
mohammad
4/5/2019 3:51:06 PM



#60
Dibromochloromethane
Concen: 49.621 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	129	Resp	164867	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.4	38.1	114.5	





#61

1,2-Dibromoethane

Concen: 49.571 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 130801

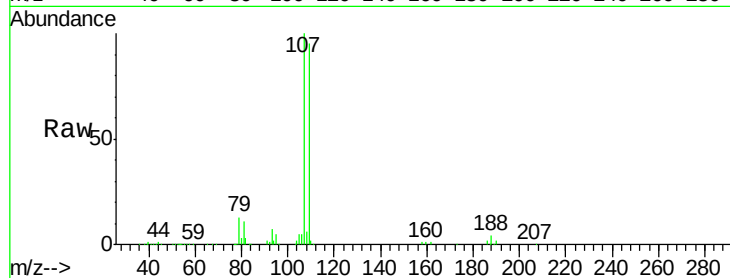
Ion Ratio Lower Upper

107 100

109 95.9 75.1 112.7

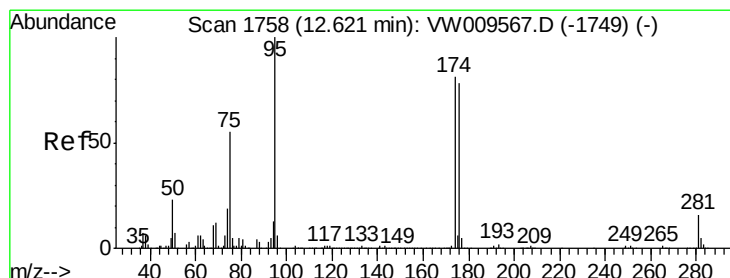
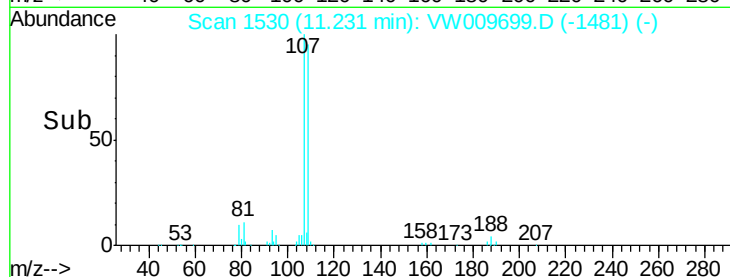
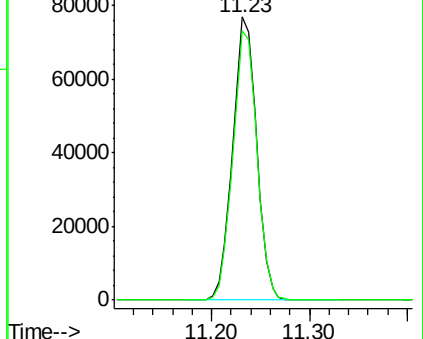
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.791 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

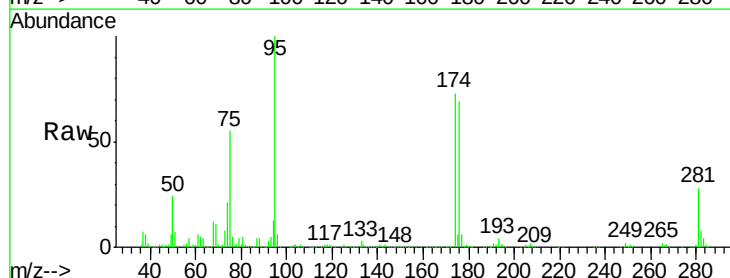
Tgt Ion: 95 Resp: 244115

Ion Ratio Lower Upper

95 100

174 77.3 0.0 168.4

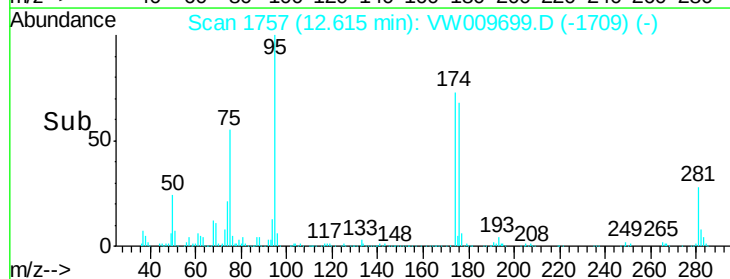
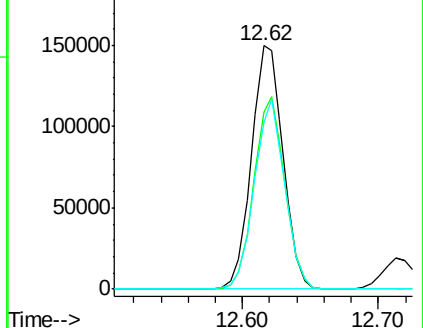
176 74.9 0.0 161.6

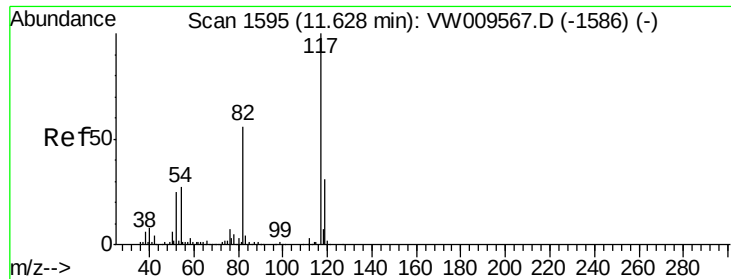


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





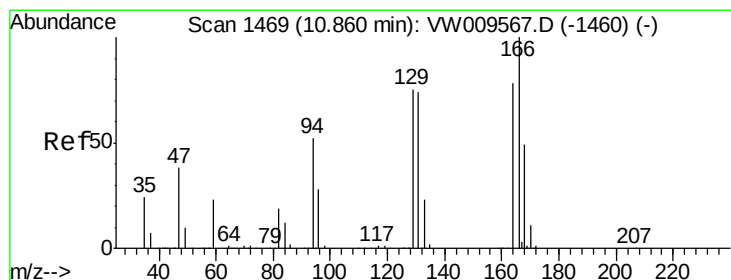
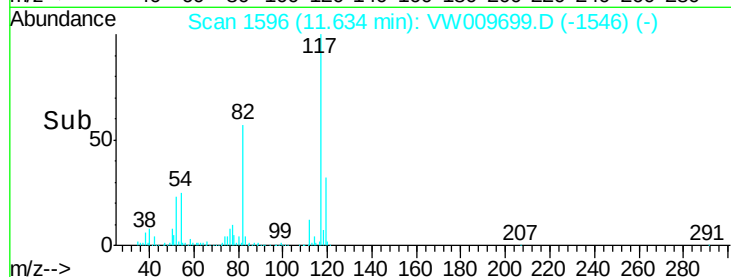
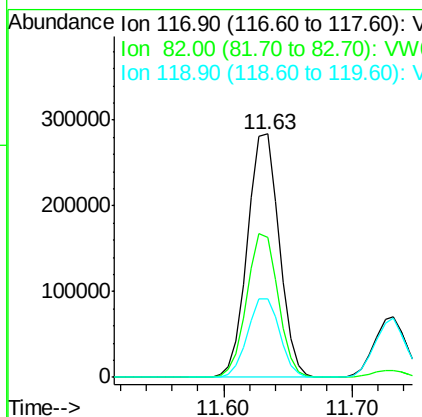
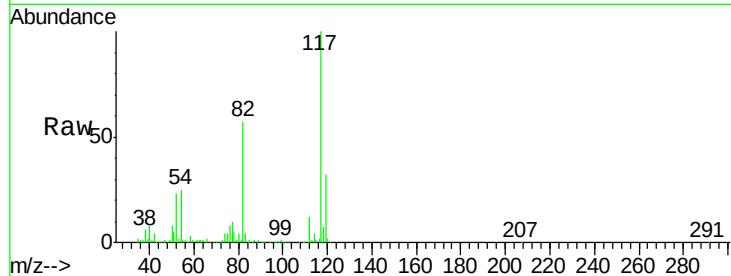
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	43.6	65.4
119	32.4	26.0	39.0

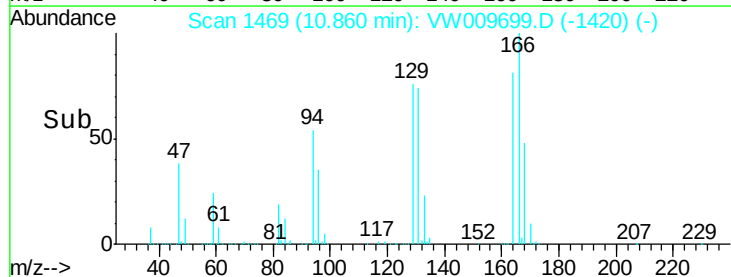
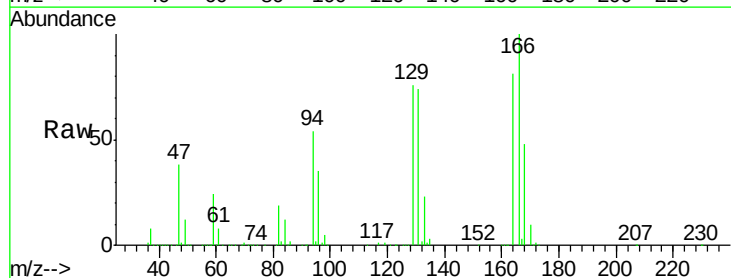
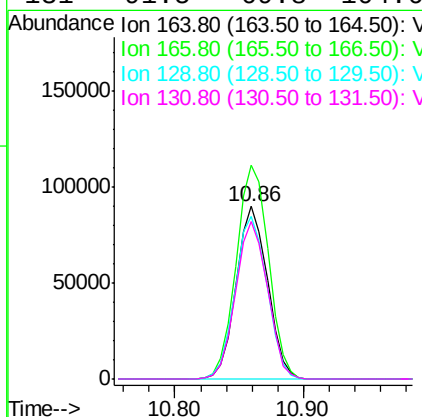
Manual Integrations
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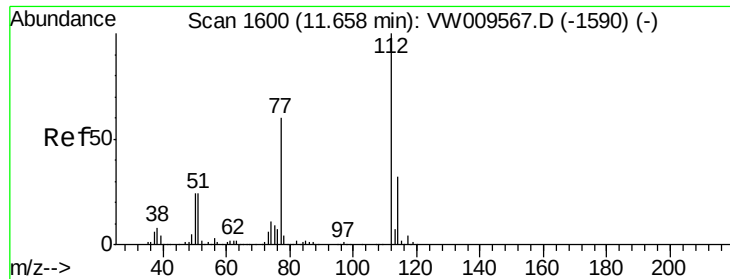
mohammad
4/5/2019 3:51:06 PM



#64
Tetrachloroethene
Concen: 46.124 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.9	151.3
129	94.5	72.0	108.0
131	91.5	69.8	104.6





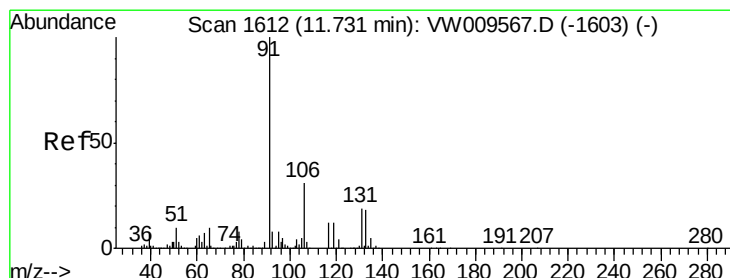
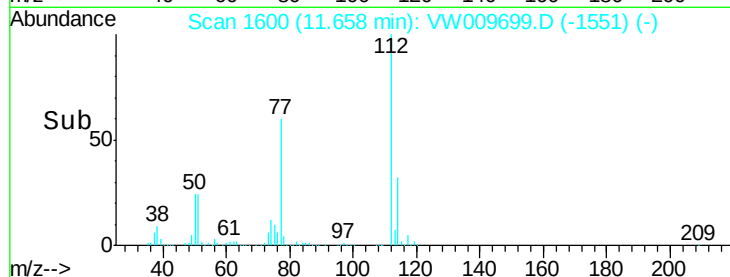
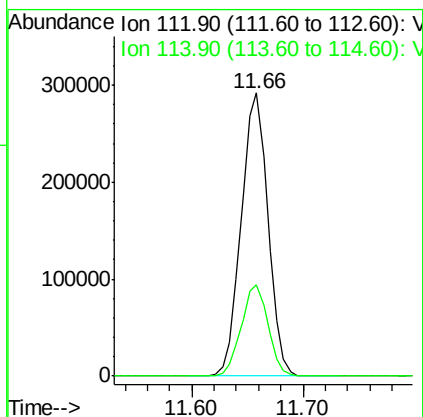
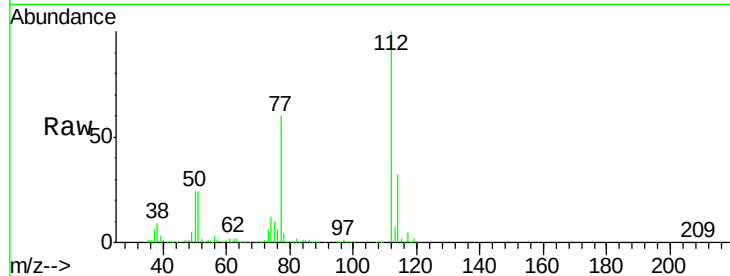
#65
Chlorobenzene
Concen: 47.839 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 487196
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

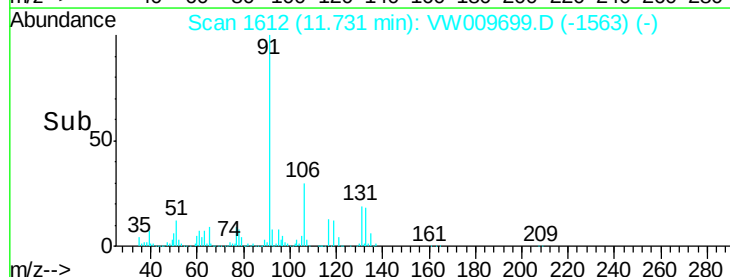
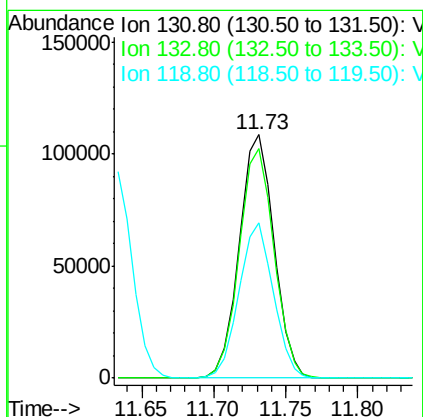
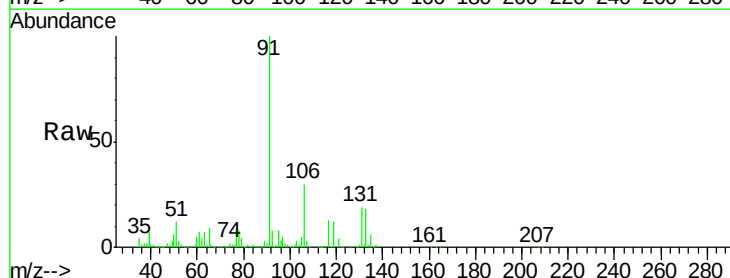
Manual Integrations
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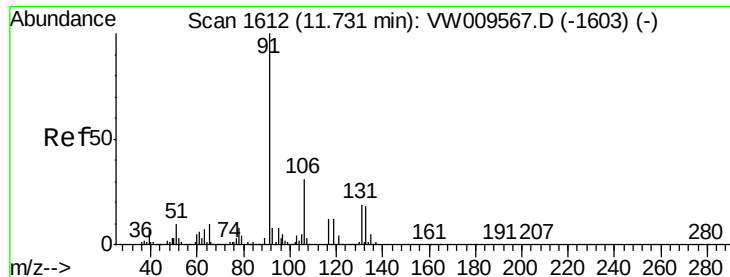
mohammad
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.902 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion:131 Resp: 181459
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 63.2 31.6 95.0





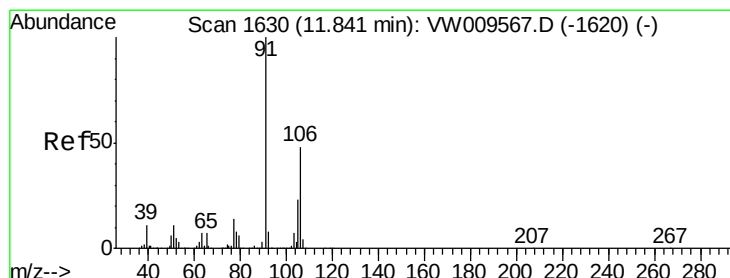
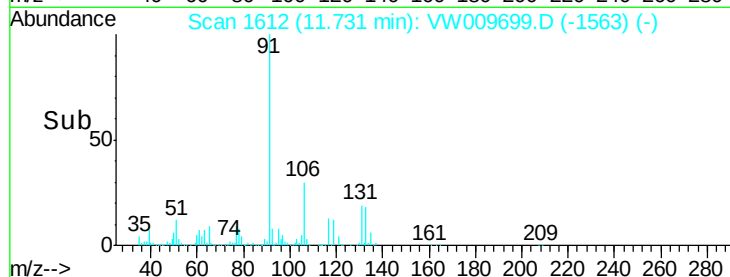
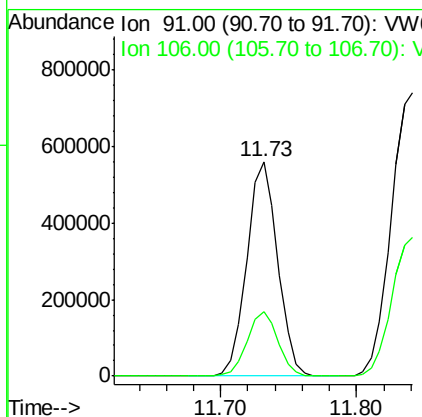
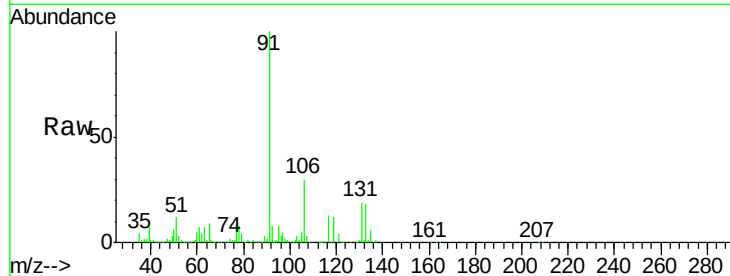
#67
Ethyl Benzene
Concen: 49.589 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.6	36.8

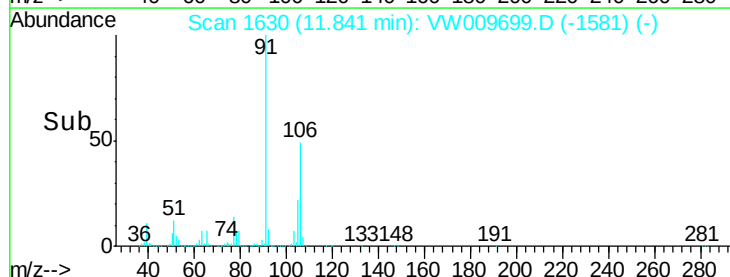
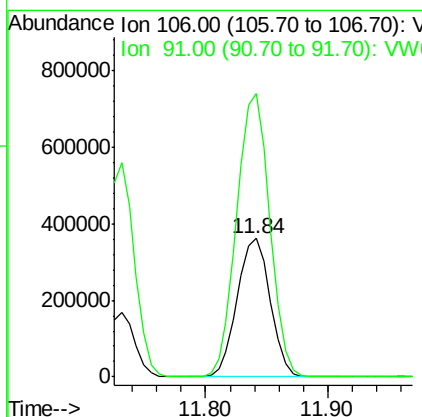
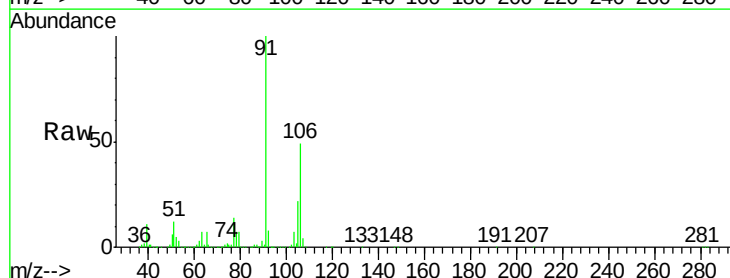
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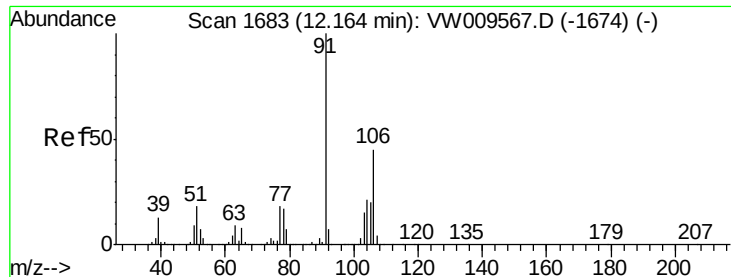
mohammad
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#68
m/p-Xylenes
Concen: 99.467 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.5	163.1	244.7





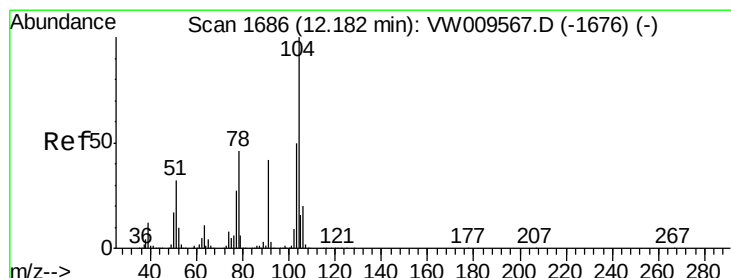
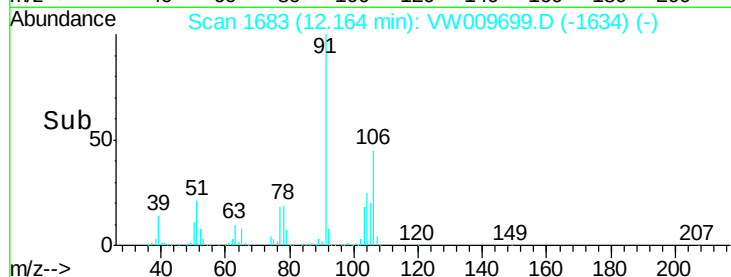
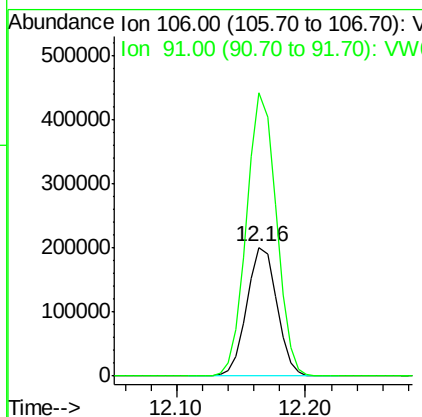
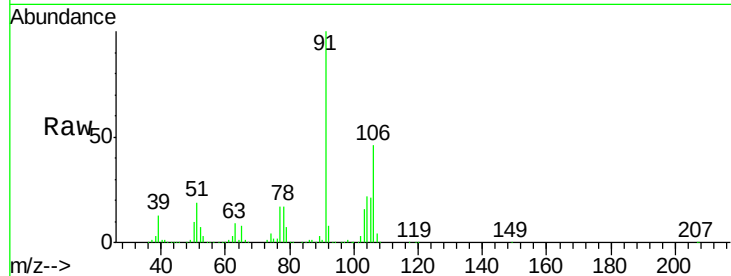
#69
o-Xylene
Concen: 50.742 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	321939		
91	91	218.2	108.6	325.8	

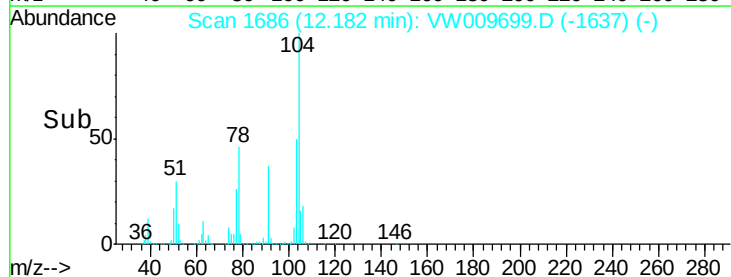
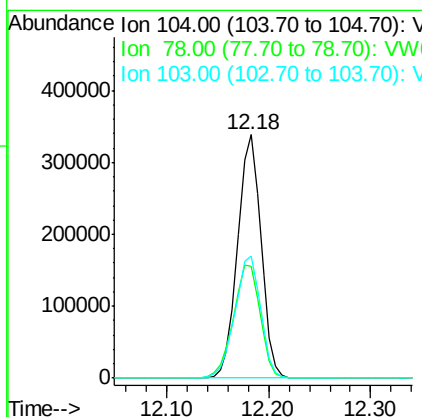
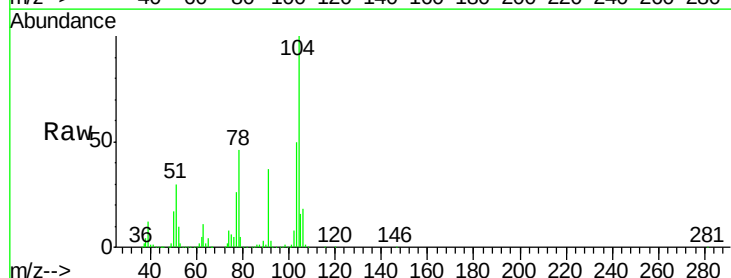
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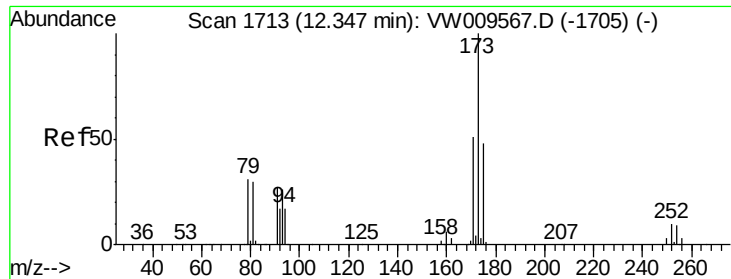
mohammad
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#70
Styrene
Concen: 50.648 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	536742		
78	78	53.1	42.2	63.4	
103	103	55.1	44.6	66.8	





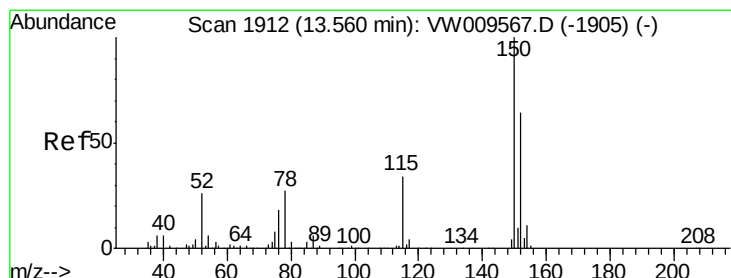
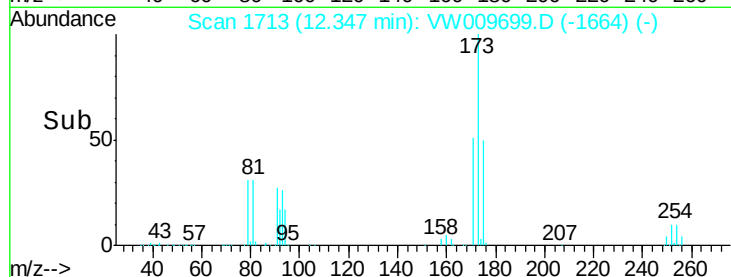
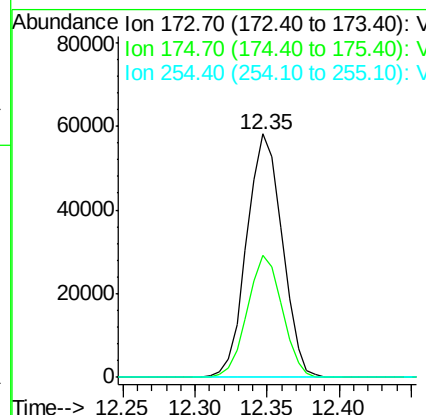
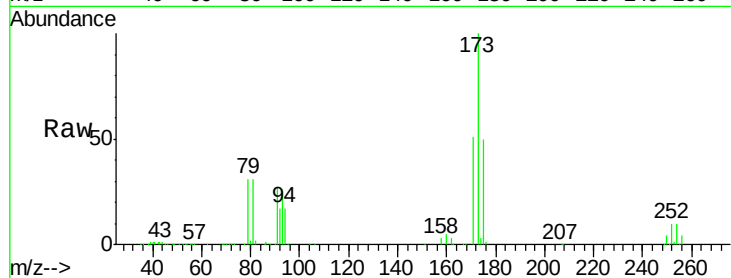
#71
Bromoform
Concen: 49.610 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.4
254	0.2	0.2	0.4

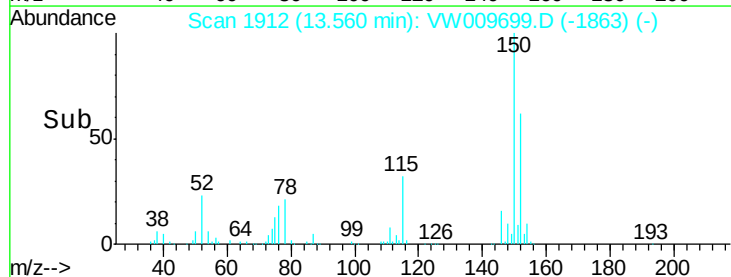
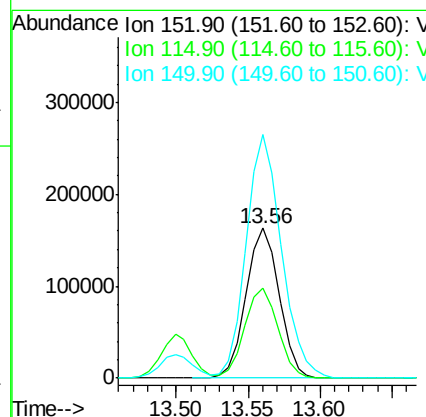
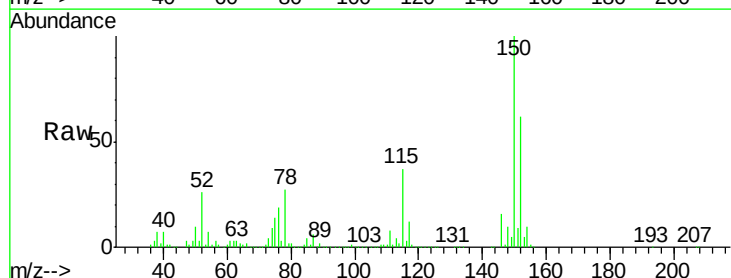
Manual Integrations
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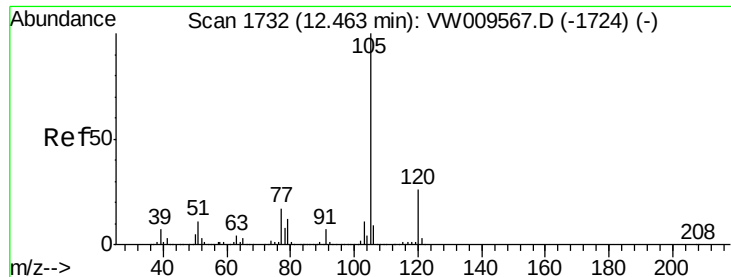
mohammad
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.6	88.8
150	173.0	0.0	349.2





#73

Isopropylbenzene

Concen: 50.678 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 915773

Ion Ratio Lower Upper

105 100

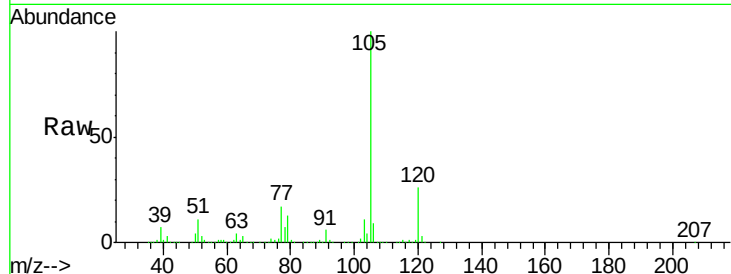
120 26.0 13.0 39.0

Manual Integrations

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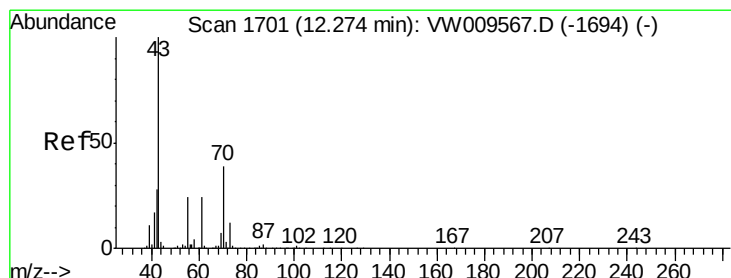
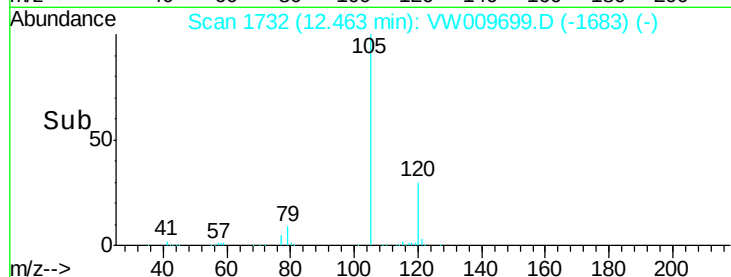
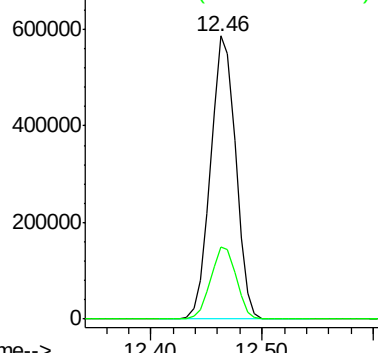
mohammad

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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: 55.140 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Tgt Ion: 43 Resp: 262678

Ion Ratio Lower Upper

43 100

70 37.1 30.6 46.0

55 23.1 19.3 28.9

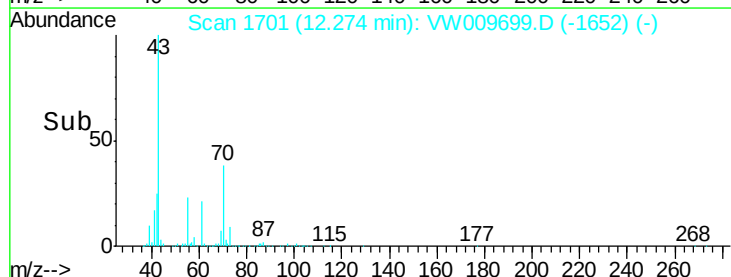
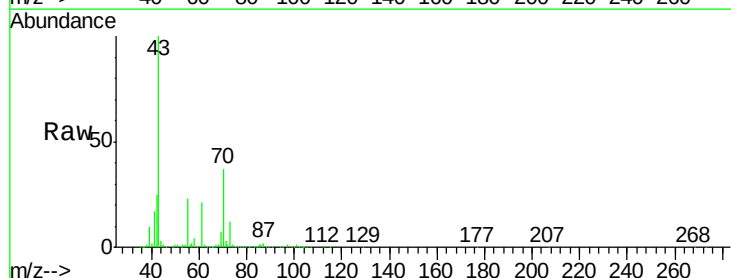
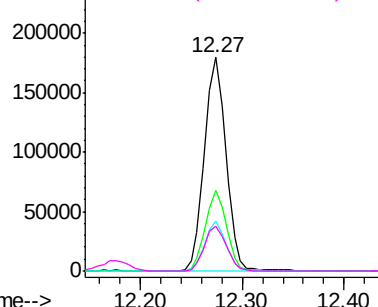
61 21.5 17.0 25.4

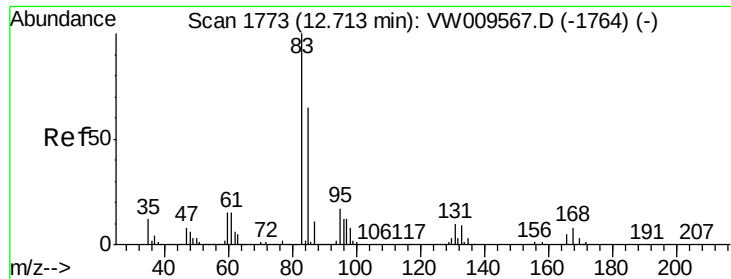
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





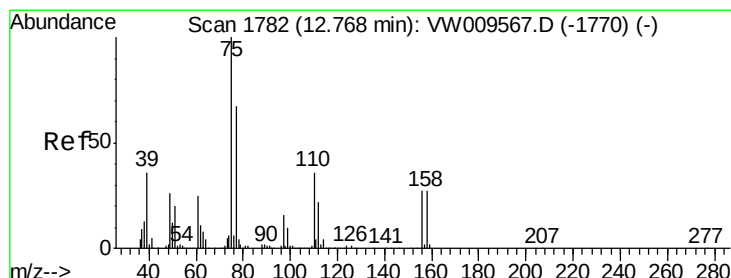
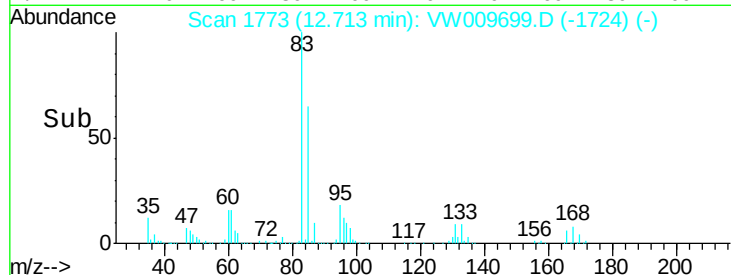
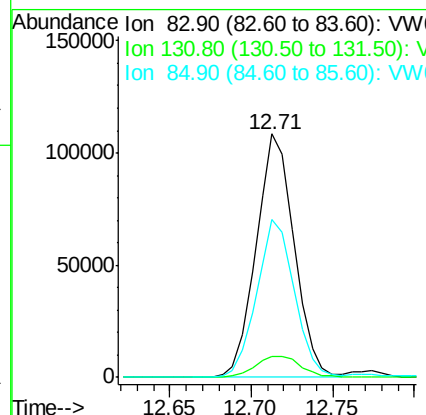
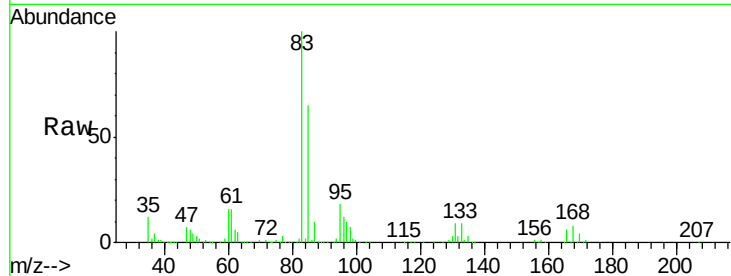
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.342 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	175457		
131	10.5	5.3	16.1	
85	64.1	32.6	97.8	

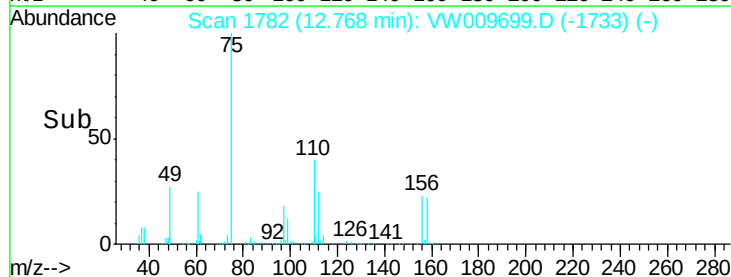
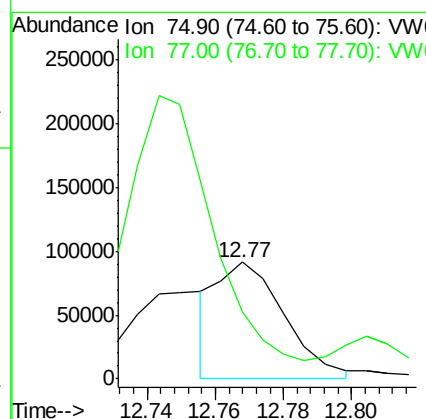
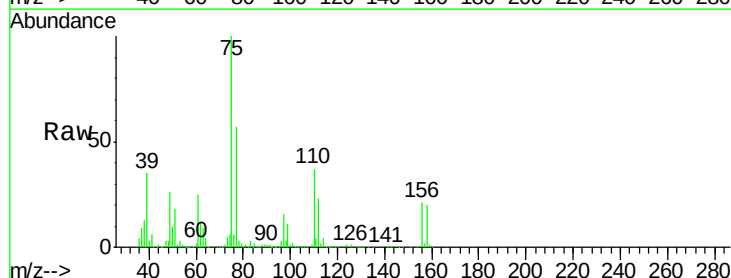
Manual Integrations
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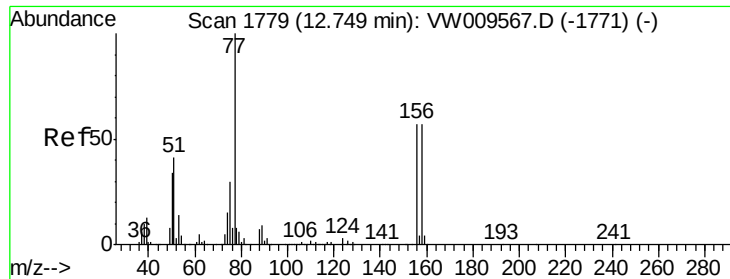
mohammad
 4/5/2019 3:51:06 PM



#76
 1,2,3-Trichloropropane
 Concen: 51.303 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125274		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 48.305 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

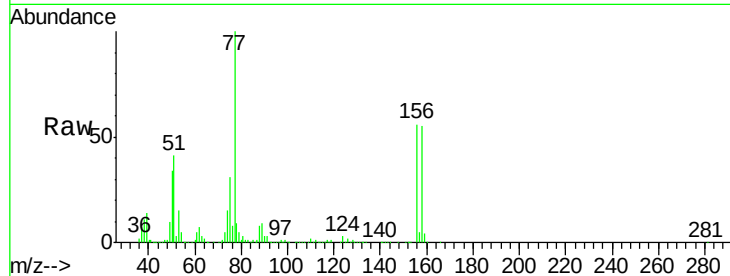
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	201016
Ion Ratio	Lower	Upper	
156	100		
77	203.9	96.0	288.0
158	98.1	49.1	147.3

Manual Integrations
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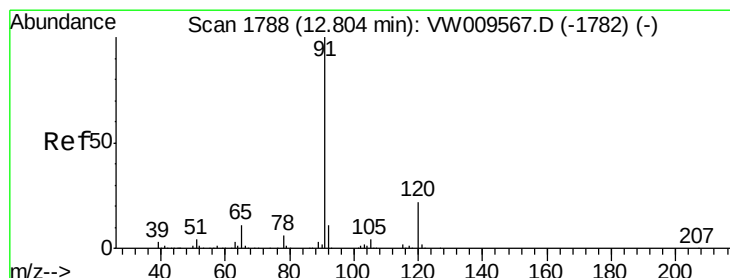
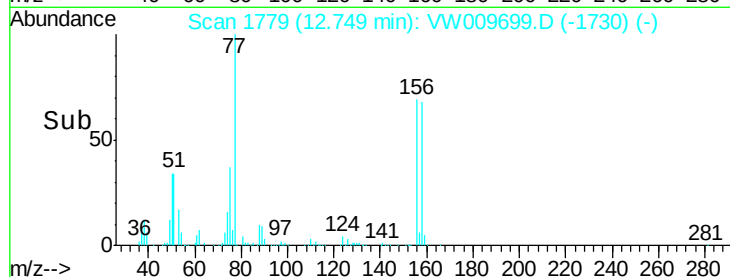
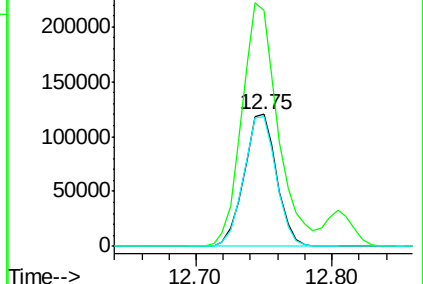
mohammad
4/5/2019 3:51:06 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.632 ug/l

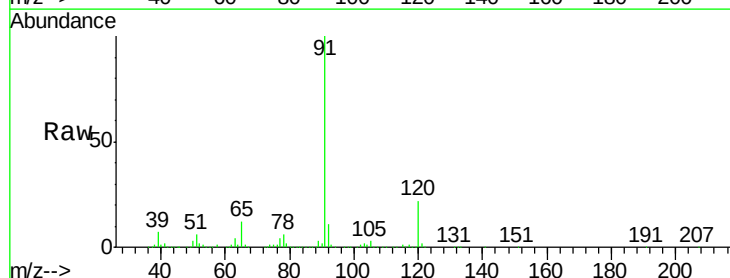
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009699.D

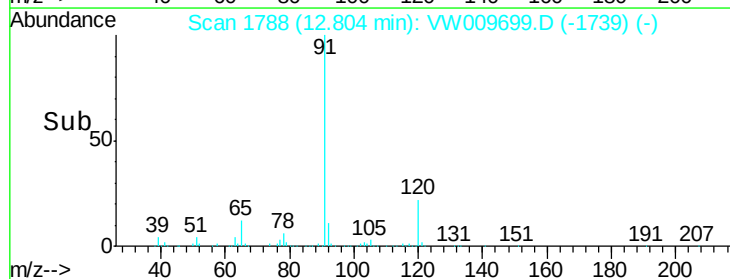
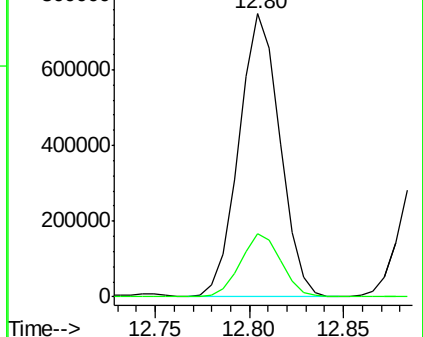
Acq: 04 Apr 2019 16:26

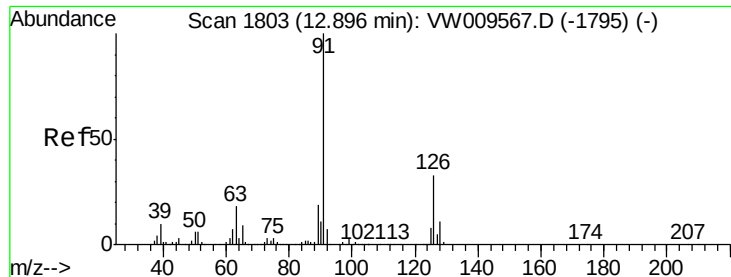
Tgt Ion:	91	Resp:	1128237
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





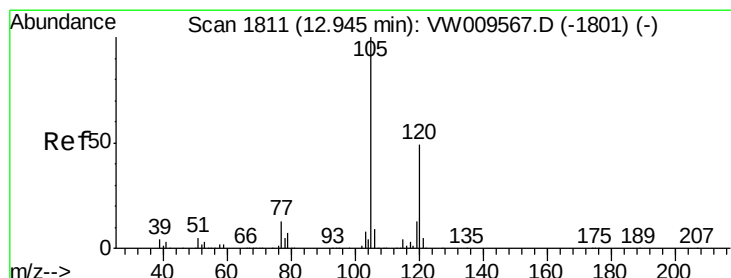
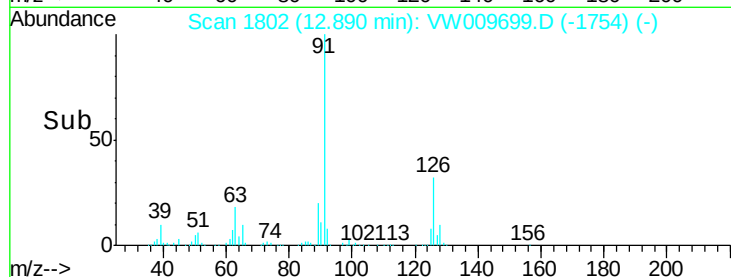
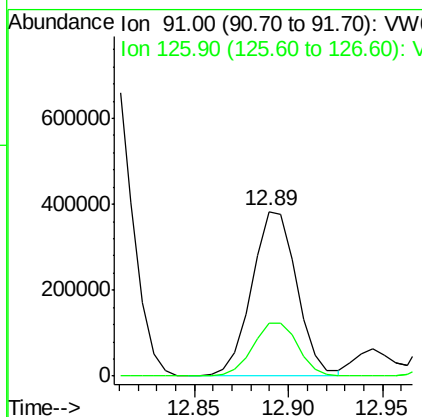
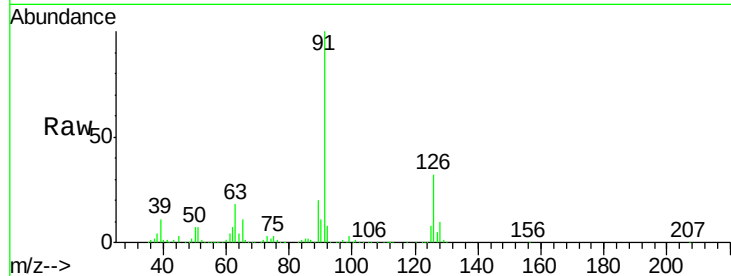
#79
 2-Chlorotoluene
 Concen: 50.081 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 634199
 Ion Ratio Lower Upper
 91 100
 126 32.5 17.0 51.0

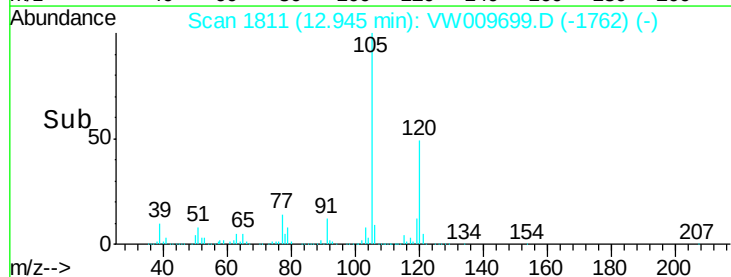
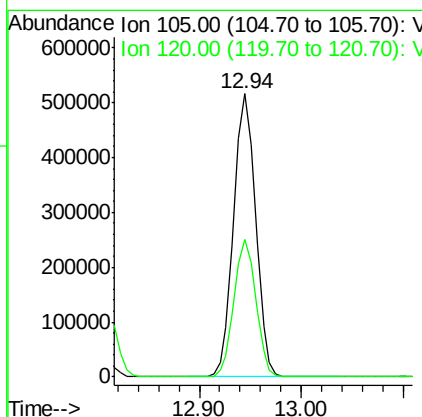
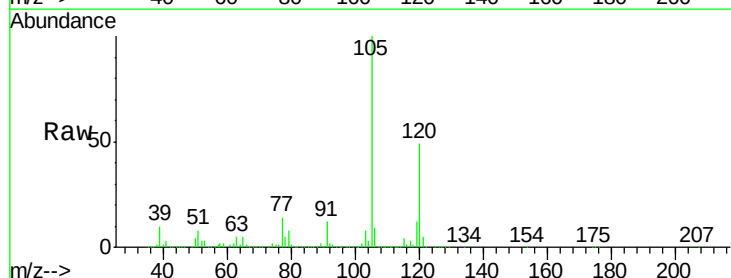
Manual Integrations
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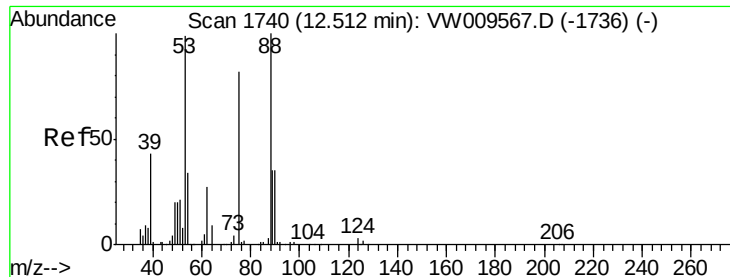
mohammad
 4/5/2019 3:51:06 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.448 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion: 105 Resp: 767724
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.6 74.0





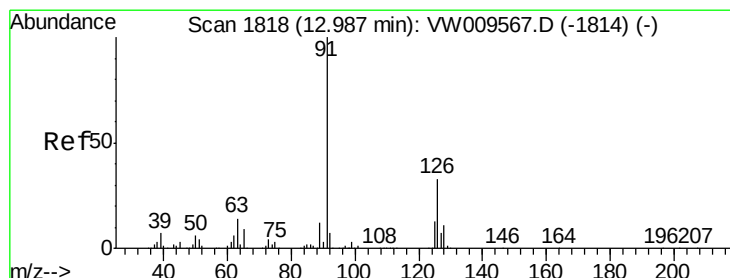
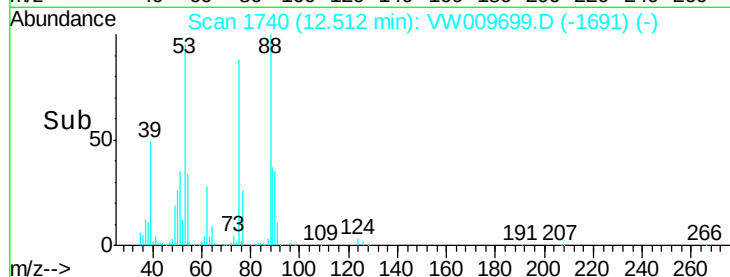
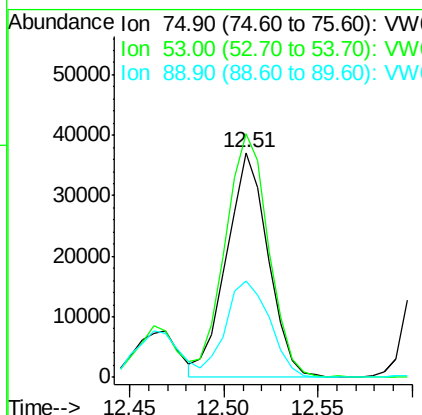
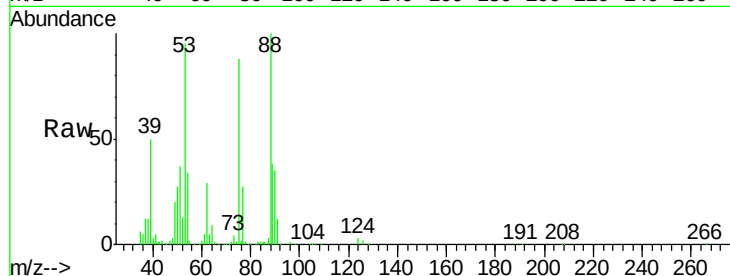
#81
trans-1,4-Dichloro-2-butene
Concen: 53.478 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.4	86.7	130.1
89	46.1	36.4	54.6

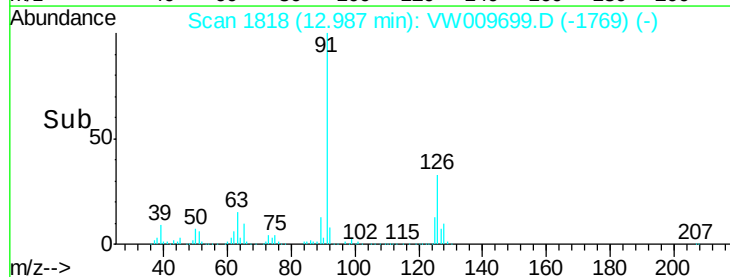
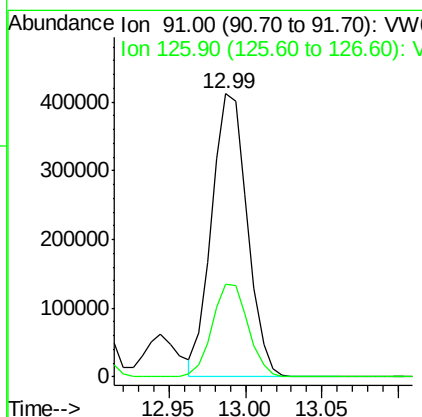
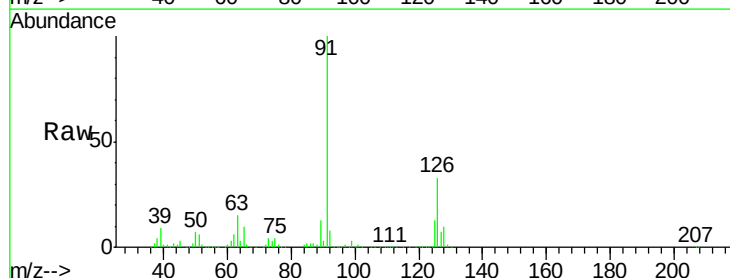
Manual Integrations
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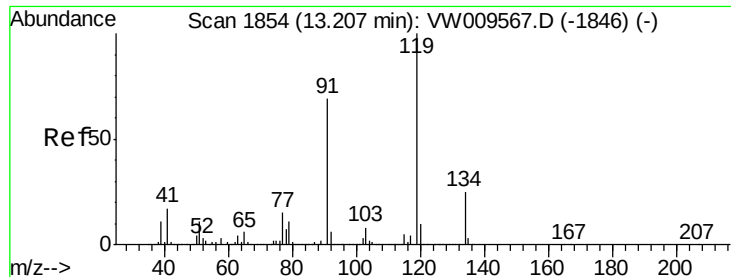
mohammad
4/5/2019 3:51:06 PM



#82
4-Chlorotoluene
Concen: 49.907 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.9	50.6





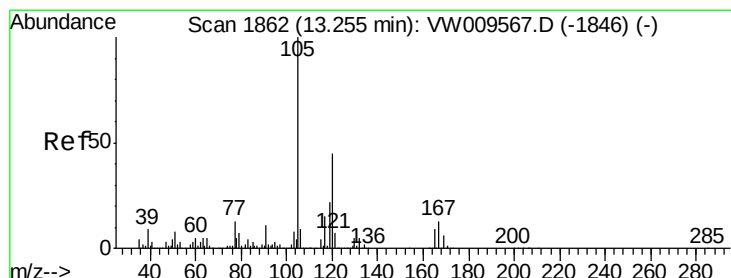
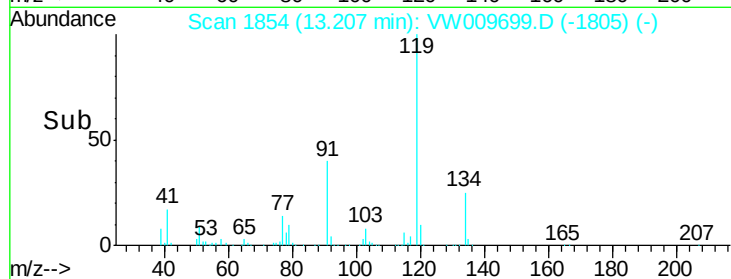
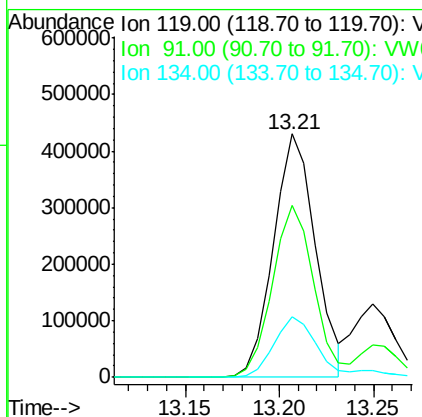
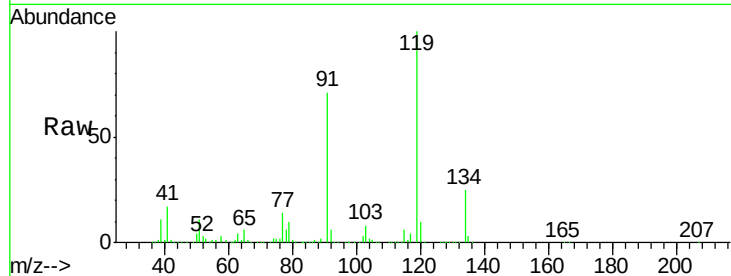
#83
 tert-Butylbenzene
 Concen: 51.286 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	34.4	103.2
134	25.2	12.7	38.1

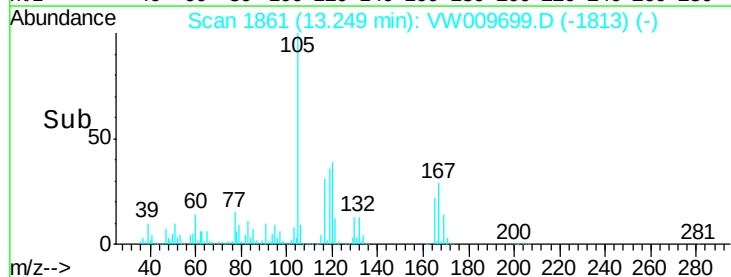
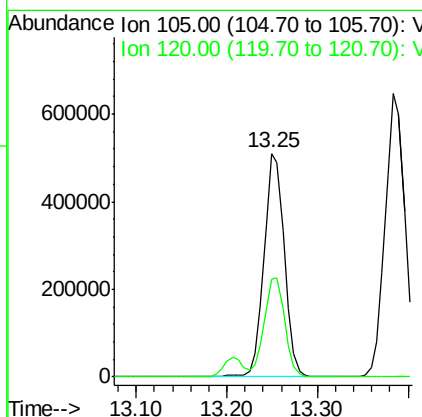
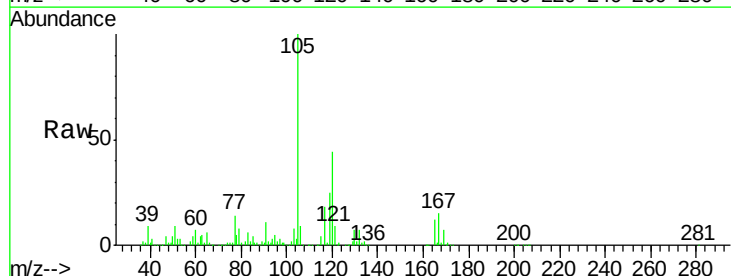
Manual Integrations
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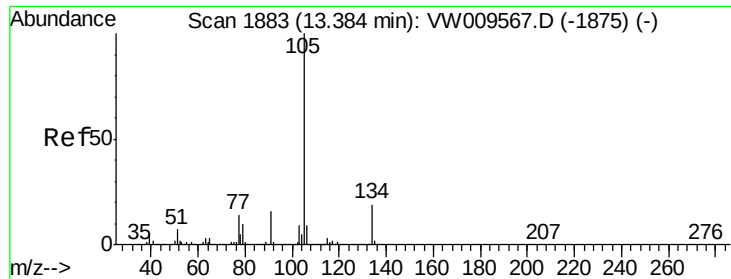
mohammad
 4/5/2019 3:51:06 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.429 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.3





#85

sec-Butylbenzene

Concen: 50.008 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 977377

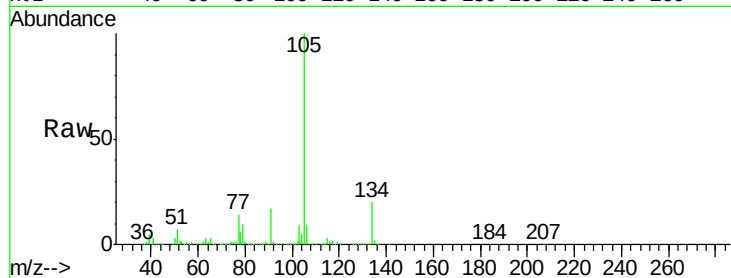
Ion Ratio Lower Upper

105 100

134 19.9 10.2 30.6

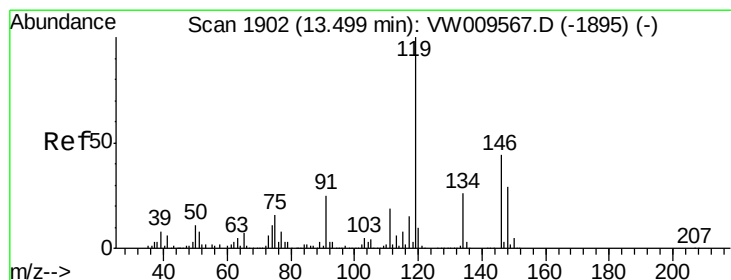
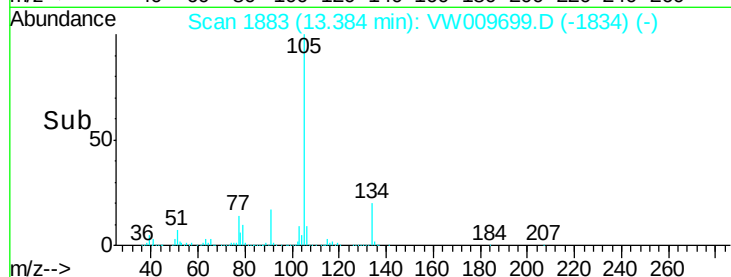
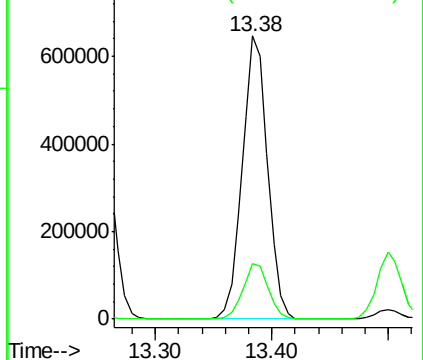
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.473 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009699.D

Acq: 04 Apr 2019 16:26

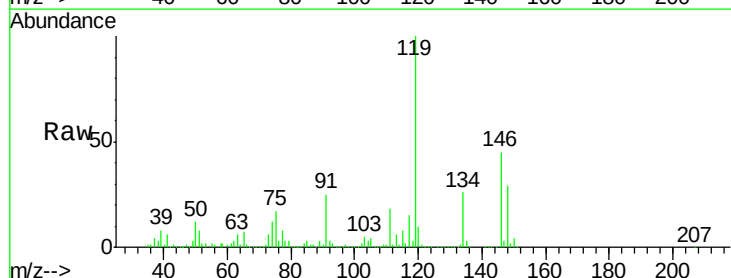
Tgt Ion:119 Resp: 858013

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

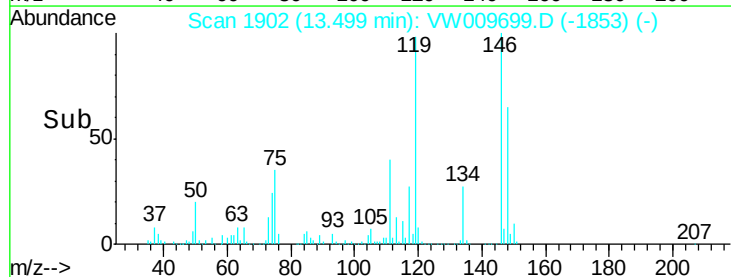
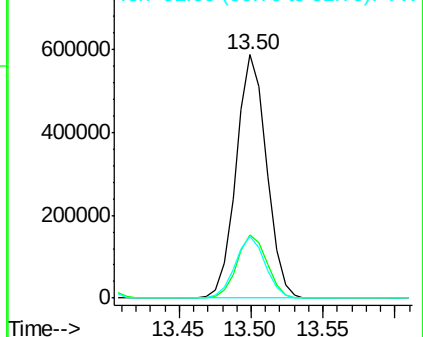
91 25.1 12.3 36.8

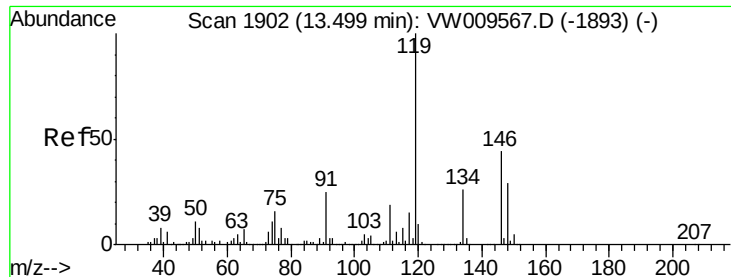


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





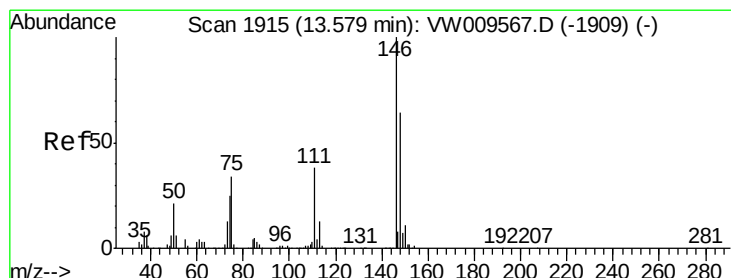
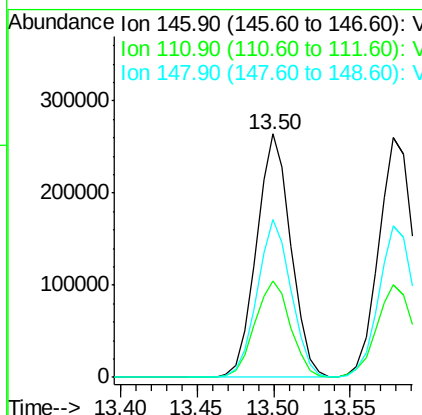
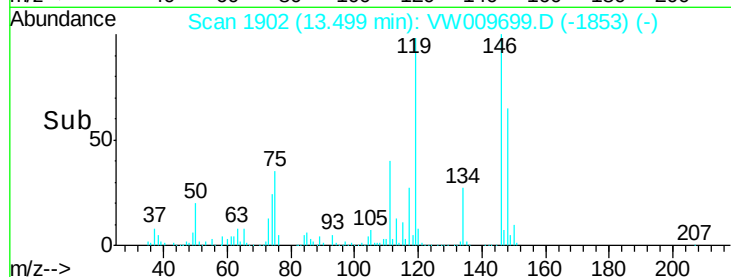
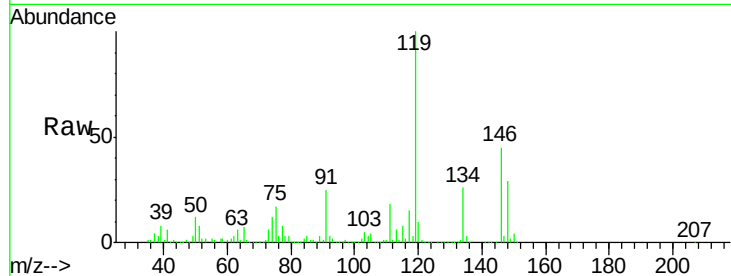
#87
 1,3-Dichlorobenzene
 Concen: 48.011 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	412520		
111	40.8	20.1	60.2	
148	63.8	31.4	94.3	

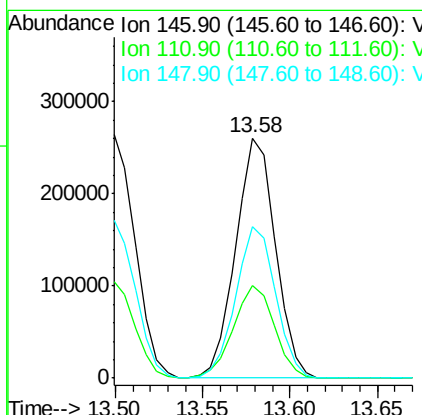
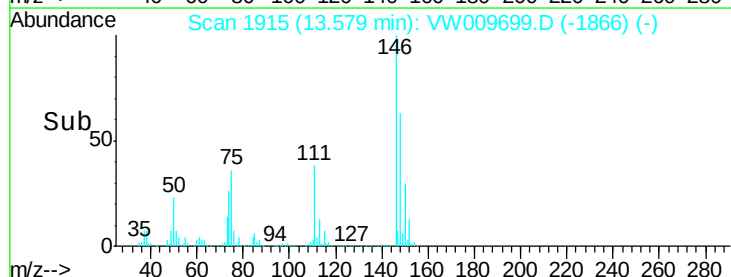
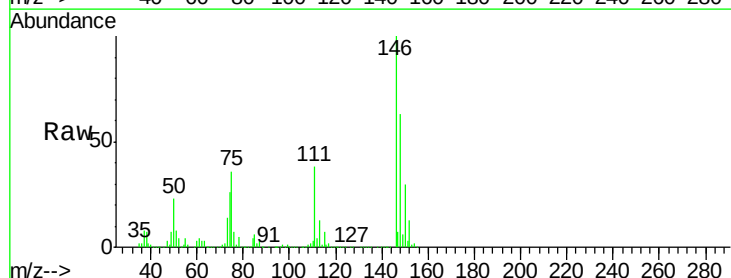
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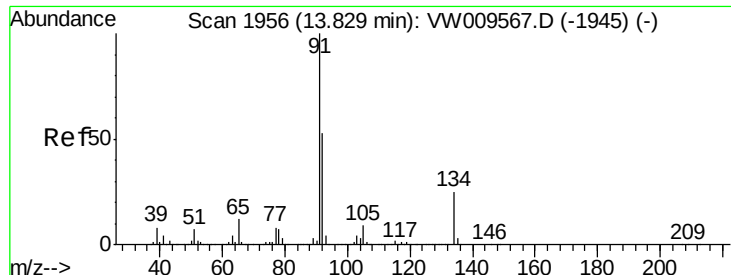
mohammad
 4/5/2019 3:51:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.004 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	411974		
111	39.8	19.9	59.6	
148	63.4	32.2	96.6	





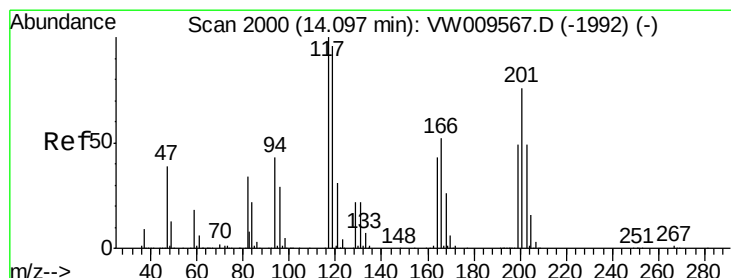
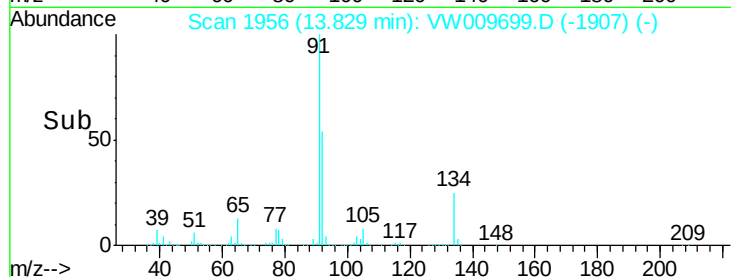
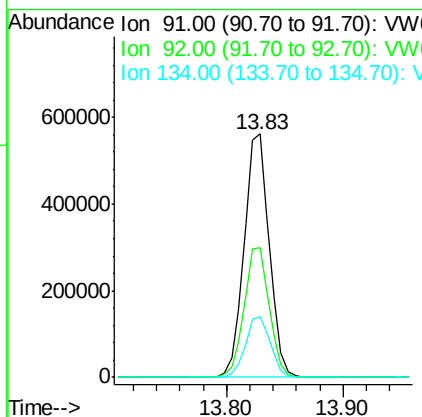
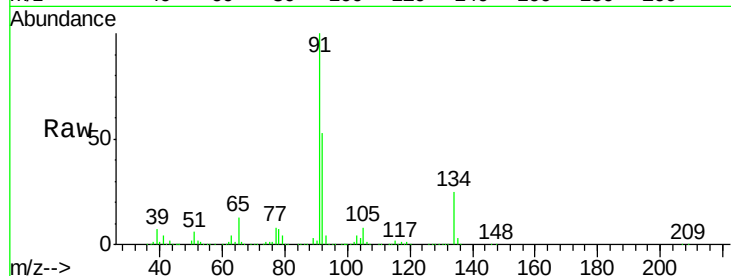
#89
n-Butylbenzene
Concen: 50.332 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.0
134	24.9	12.9	38.6

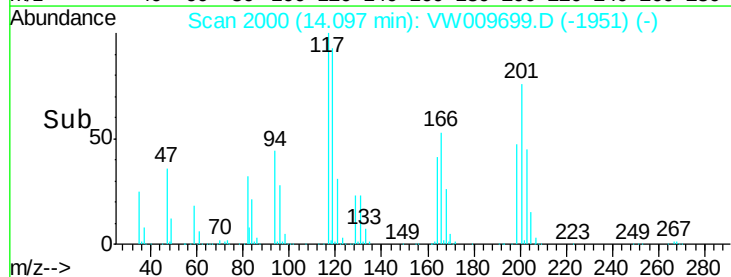
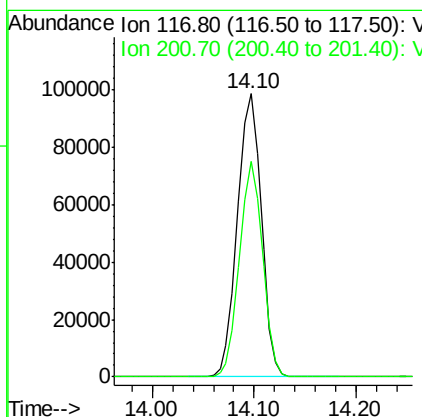
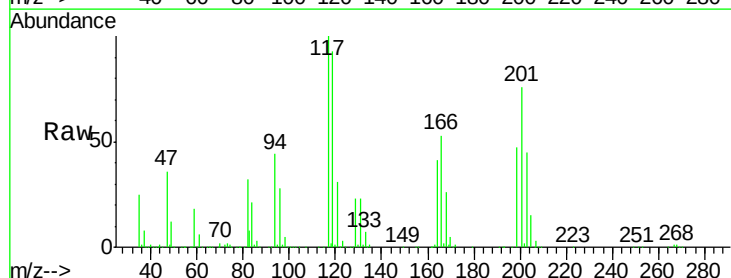
Manual Integrations
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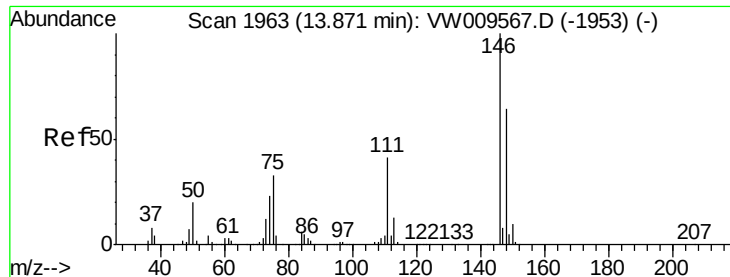
mohammad
4/5/2019 3:51:06 PM



#90
Hexachloroethane
Concen: 49.260 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	38.2	114.6





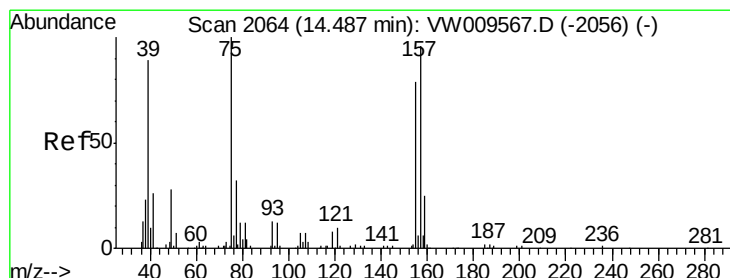
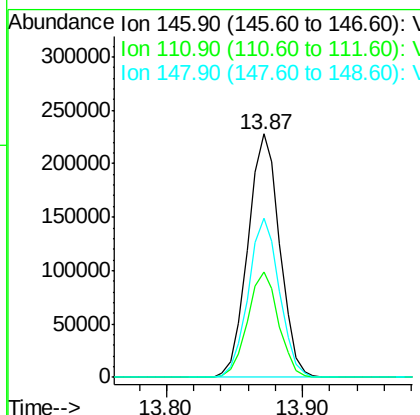
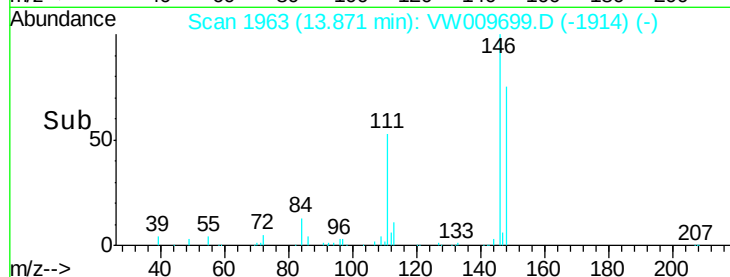
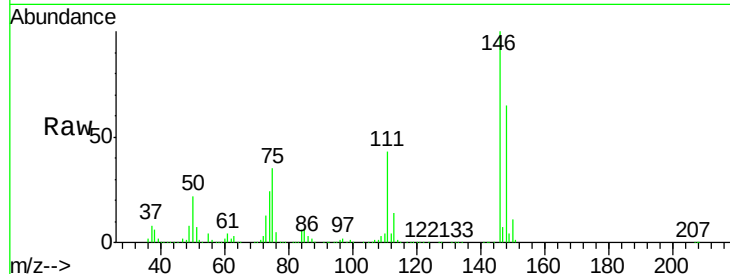
#91
 1,2-Dichlorobenzene
 Concen: 48.606 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.4	61.2
148	63.9	31.9	95.9

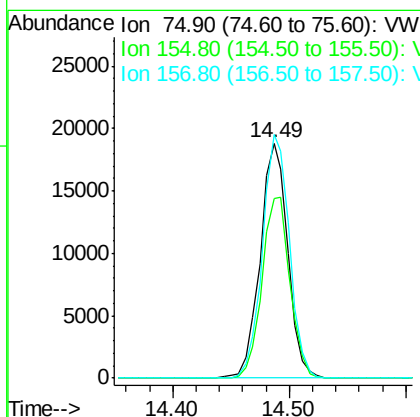
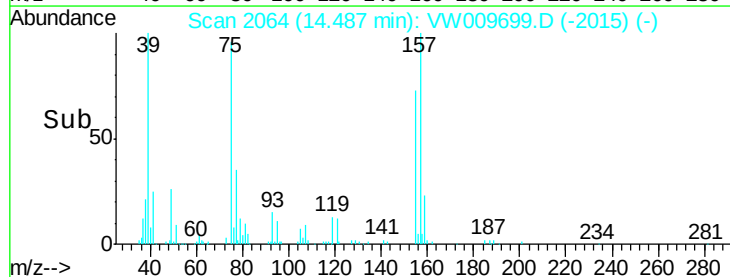
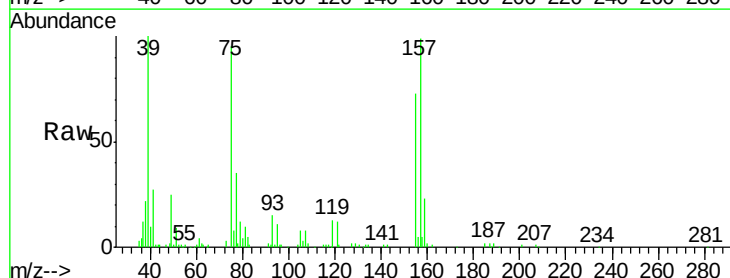
Manual Integrations
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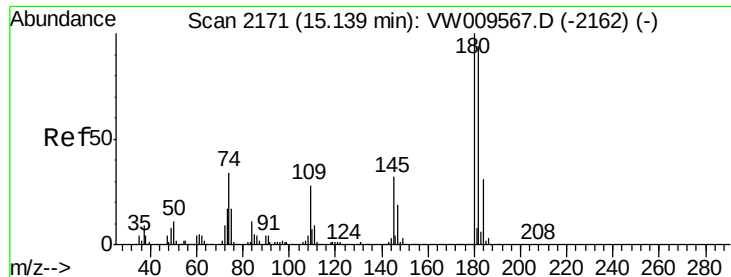
mohammad
 4/5/2019 3:51:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.721 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	39.3	117.8
157	101.1	49.5	148.5





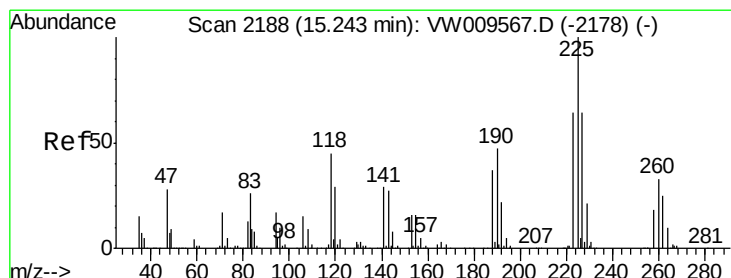
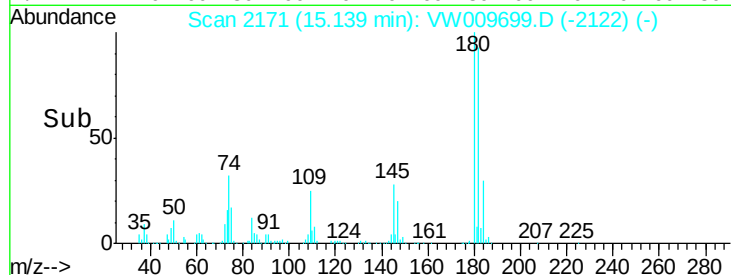
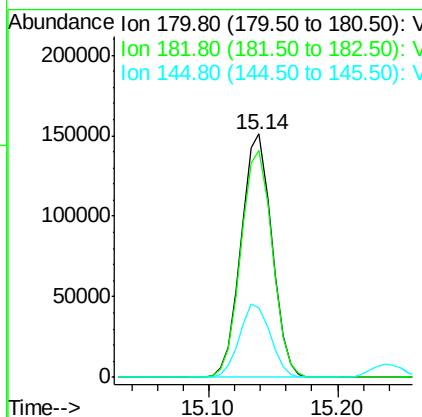
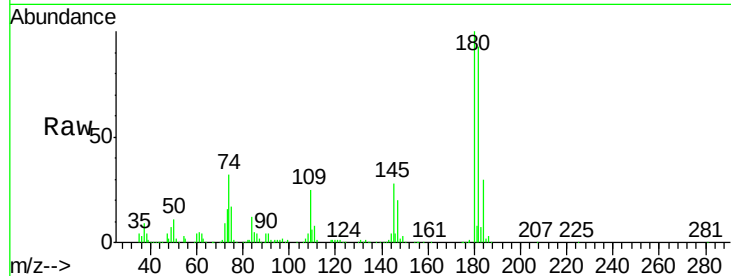
#93
 1,2,4-Trichlorobenzene
 Concen: 50.333 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	249052		
182	95.1	47.9	143.7	
145	30.4	15.0	45.0	

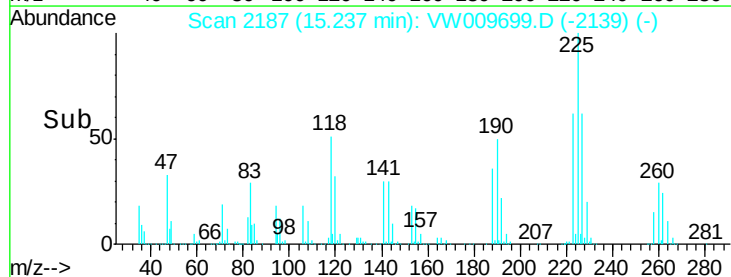
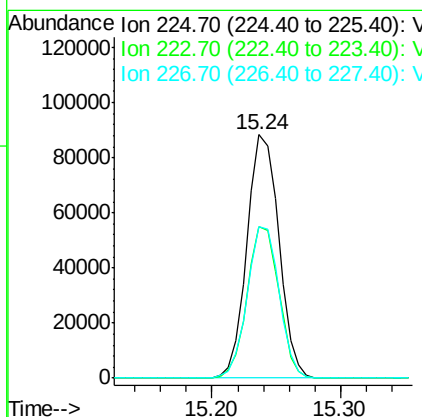
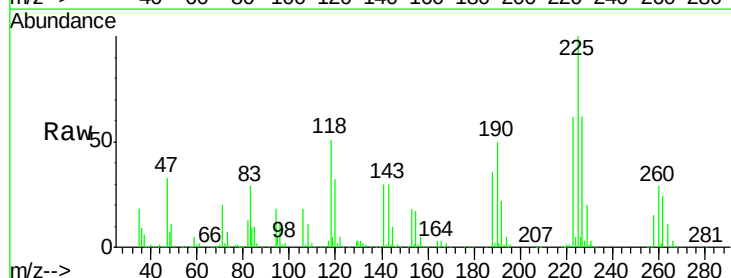
Manual Integrations
 APPROVED

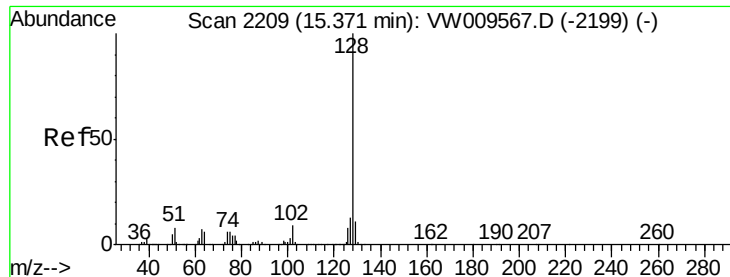
mohammad
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#94
 Hexachlorobutadiene
 Concen: 47.526 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009699.D
 Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151025		
223	62.0	31.4	94.3	
227	62.0	32.1	96.5	





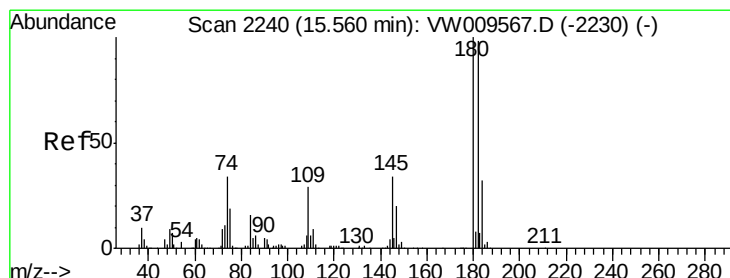
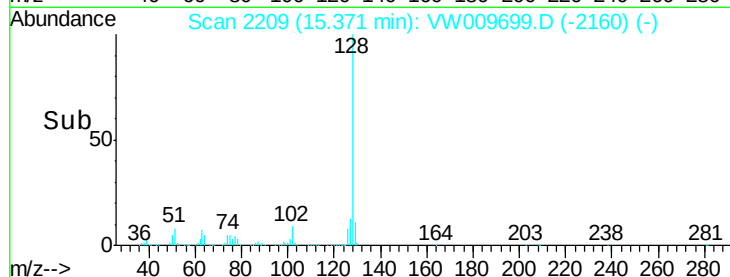
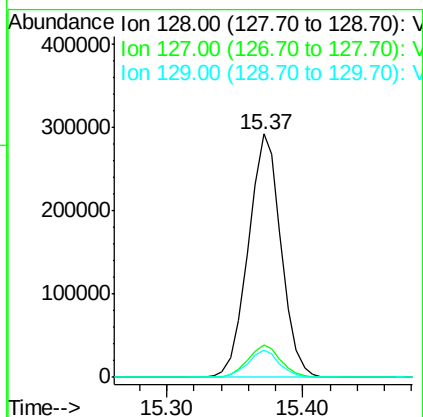
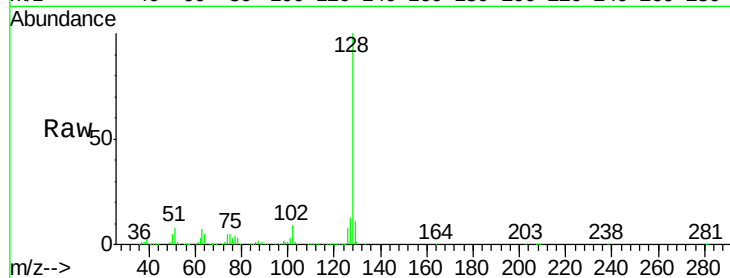
#95
Naphthalene
Concen: 48.865 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.721 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009699.D
Acq: 04 Apr 2019 16:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	141.9
145	33.3	16.0	48.0

