

Data File : VW012687.D
Acq On : 06 Sep 2019 13:24
Operator : SY/VA
Sample : VW0906SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Manual Integrations
APPROVED

MMDadoda
9/9/2019 4:45:11 AM

Quant Time: Sep 07 05:29:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	146591	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	120778	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	7.88	113	94663	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.32	98	387657	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.62	95	137669	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	32137	23.912	ug/l	95
3) Chloromethane	2.21	50	38407	18.446	ug/l	98
4) Vinyl Chloride	2.36	62	44515	17.467	ug/l	99
5) Bromomethane	2.76	94	24631	19.084	ug/l	87
6) Chloroethane	2.92	64	26860	18.683	ug/l	97
7) Trichlorofluoromethane	3.25	101	27899	21.801	ug/l	97
8) Diethyl Ether	3.68	74	22219	18.292	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42821	19.686	ug/l	96
10) Methyl Iodide	4.27	142	53504	18.179	ug/l	96
11) Tert butyl alcohol	5.17	59	16728	107.130	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	39103	17.861	ug/l	93
13) Acrolein	3.89	56	8145	55.414	ug/l	99
14) Allyl chloride	4.67	41	85045	18.170	ug/l	97
15) Acrylonitrile	5.36	53	61344	101.890	ug/l	99
16) Acetone	4.12	43	60416	91.090	ug/l	99
17) Carbon Disulfide	4.38	76	90359	13.656	ug/l	100
18) Methyl Acetate	4.67	43	31652	19.267	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	79682	22.506	ug/l	98
20) Methylene Chloride	4.91	84	53768	21.444	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	44077	18.774	ug/l	99
22) Diisopropyl ether	6.31	45	179236	20.659	ug/l	97
23) Vinyl Acetate	6.25	43	548464	102.724	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97073	20.550	ug/l	99
25) 2-Butanone	7.17	43	90027	99.887	ug/l	94
26) 2,2-Dichloropropane	7.17	77	61470	22.990	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	52573	20.959	ug/l	100
28) Bromochloromethane	7.51	49	37595	18.260	ug/l	94
29) Tetrahydrofuran	7.53	42	56898	105.223	ug/l	96
30) Chloroform	7.67	83	95696	22.143	ug/l	99
31) Cyclohexane	7.95	56	86732	18.558	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	77031	22.531	ug/l	99
36) 1,1-Dichloropropene	8.08	75	73574	21.586	ug/l	99
37) Ethyl Acetate	7.25	43	42197	22.593	ug/l	99
38) Carbon Tetrachloride	8.07	117	69514	23.564	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81314	21.236	ug/l	98
40) Benzene	8.32	78	195536	21.010	ug/l	99
41) Methacrylonitrile	7.48	41	26977	24.575	ug/l	94
42) 1,2-Dichloroethane	8.40	62	68770	23.577	ug/l	99
43) Isopropyl Acetate	8.42	43	78028	22.554	ug/l	98
44) Trichloroethene	9.09	130	49958	22.082	ug/l	92
45) 1,2-Dichloropropane	9.37	63	54157	21.622	ug/l	98
46) Dibromomethane	9.46	93	25575	22.949	ug/l	96
47) Bromodichloromethane	9.65	83	69411	23.403	ug/l	99
48) Methyl methacrylate	9.43	41	37749	22.925	ug/l	96
49) 1,4-Dioxane	9.45	88	8031	470.736	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	204277	116.089	ug/l	99
52) Toluene	10.38	92	127607	22.824	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	69714	23.075	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	81849	22.437	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38348	24.321	ug/l	98
56) Ethyl methacrylate	10.65	69	53795	23.442	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69773	23.416	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	129383	109.855	ug/l	97
59) 2-Hexanone	10.97	43	141929	113.993	ug/l	100
60) Dibromochloromethane	11.13	129	42330	24.103	ug/l	100
61) 1,2-Dibromoethane	11.23	107	34294	23.346	ug/l	98
64) Tetrachloroethene	10.86	164	42843	22.754	ug/l	99
65) Chlorobenzene	11.66	112	128454	22.463	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49128	24.626	ug/l	98
67) Ethyl Benzene	11.73	91	247132	22.434	ug/l	100
68) m/p-Xylenes	11.84	106	180458	45.478	ug/l	99
69) o-Xylene	12.16	106	84111	22.903	ug/l	98
70) Styrene	12.18	104	146667	23.073	ug/l	99
71) Bromoform	12.35	173	24918	25.070	ug/l #	98
73) Isopropylbenzene	12.46	105	243653	22.182	ug/l	99
74) N-amyl acetate	12.27	43	71671	21.596	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	44220	21.959	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31002m	21.715	ug/l	
77) Bromobenzene	12.74	156	53306	22.432	ug/l	97
78) n-propylbenzene	12.80	91	290872	21.691	ug/l	98
79) 2-Chlorotoluene	12.89	91	169376	22.248	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	206788	22.530	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14488	22.250	ug/l	98
82) 4-Chlorotoluene	12.99	91	179202	22.480	ug/l	100
83) tert-Butylbenzene	13.21	119	176882	22.750	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	205353	22.273	ug/l	99
85) sec-Butylbenzene	13.38	105	247663	22.234	ug/l	100
86) p-Isopropyltoluene	13.50	119	226554	22.775	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	104470	22.476	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	105845	22.934	ug/l	99
89) n-Butylbenzene	13.82	91	217084	21.945	ug/l	99
90) Hexachloroethane	14.09	117	39024	22.360	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	94817	23.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7886	23.229	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090619\
Quantitation Report (QT Reviewed)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65281	23.167	ug/l	98
94) Hexachlorobutadiene	15.24	225	46285	24.876	ug/l	94
95) Naphthalene	15.36	128	110733	22.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	57116	23.232	ug/l	100

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

Data File : VW012687.D

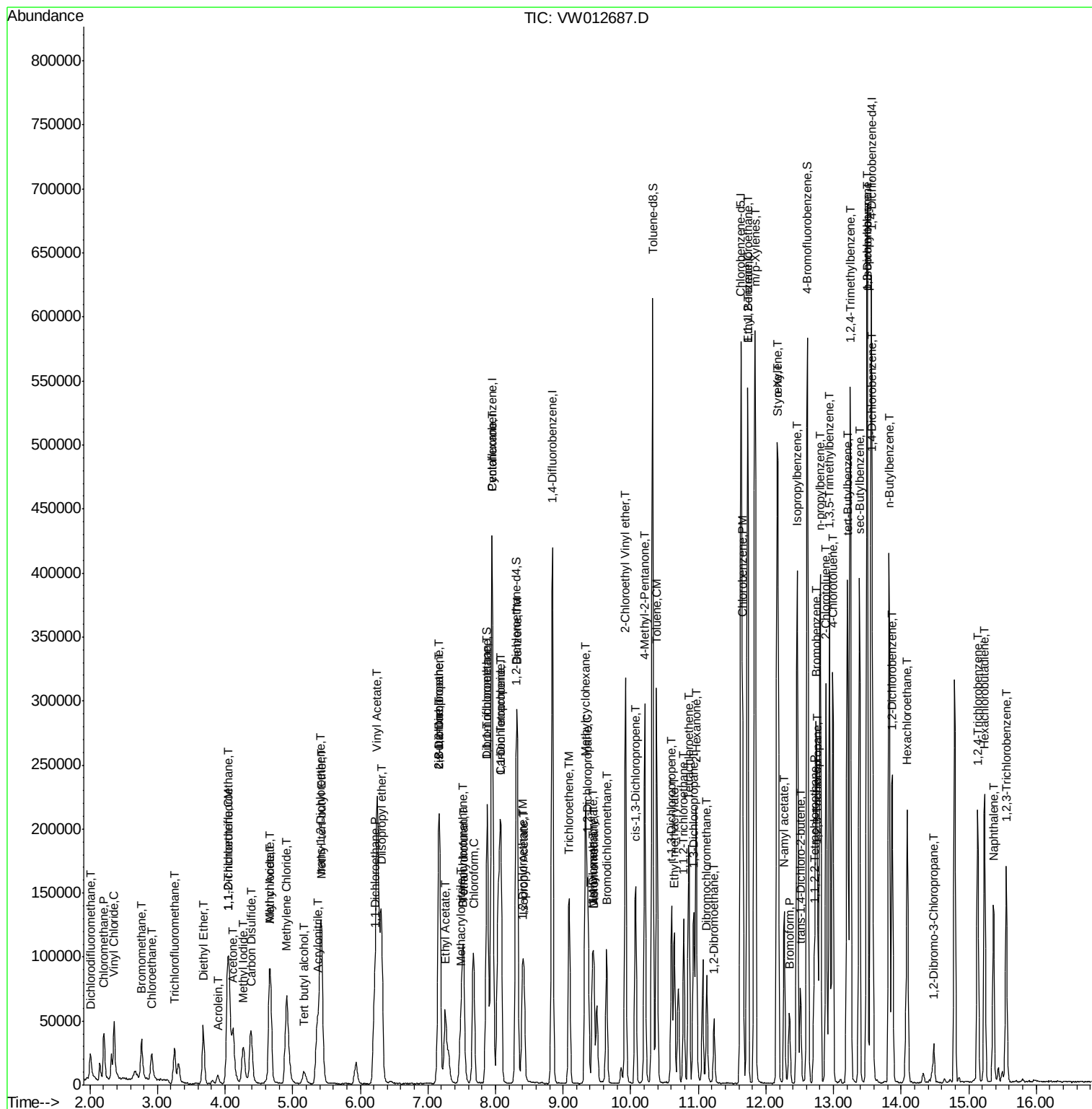
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Acq On       : 06 Sep 2019   13:24
Operator    : SY/VA
Sample      : VW0906SBS02
Misc       : 5.00G/5ML/MSV0A_W/SOIL
ALS Vial    : 7      Sample Multiplier: 1
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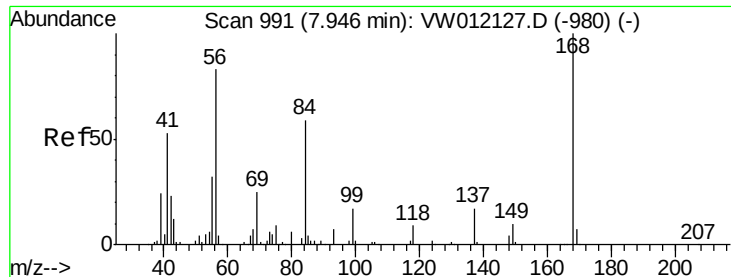
Instrument :
MSVOA_W
ClientSampleId :
VW0906SBSD02

Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBSD02

Tgt Ion: 168 Resp: 218269

Ion Ratio Lower Upper

168 100

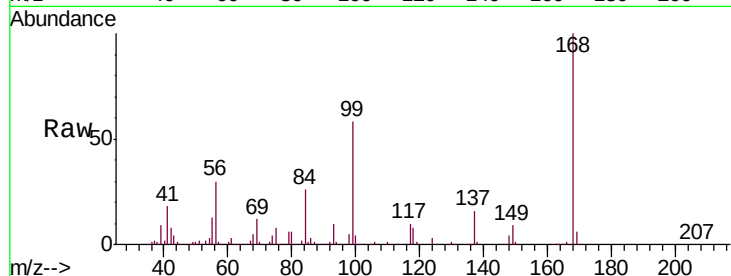
99 58.2 49.2 73.8

Manual Integrations

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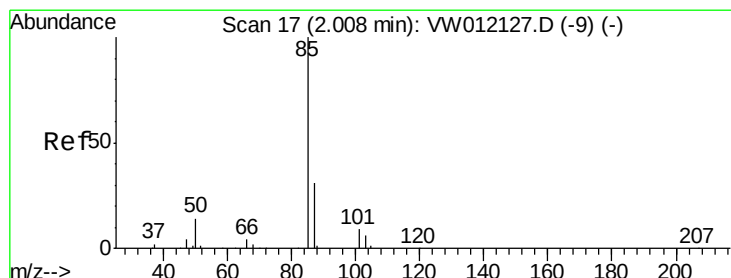
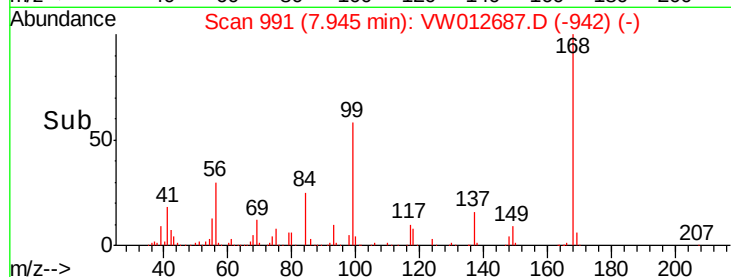
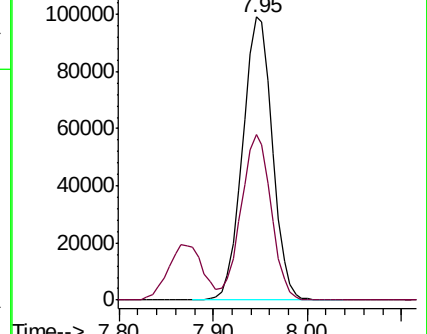
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.912 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012687.D

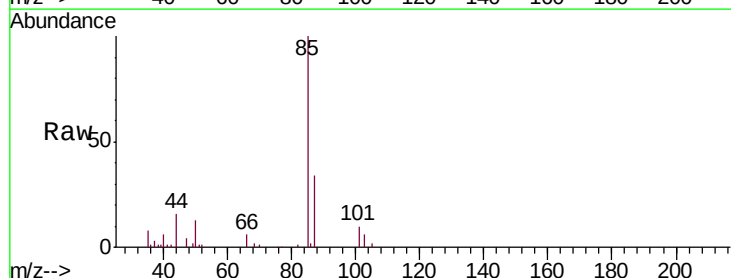
Acq: 06 Sep 2019 13:24

Tgt Ion: 85 Resp: 32137

Ion Ratio Lower Upper

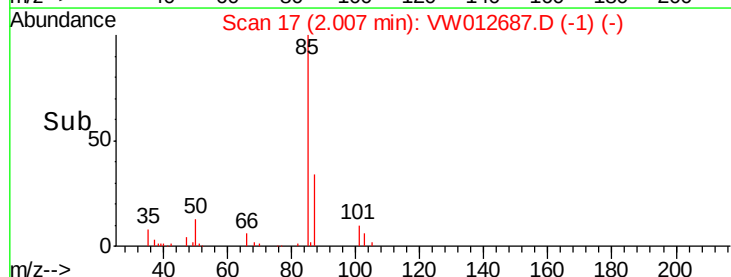
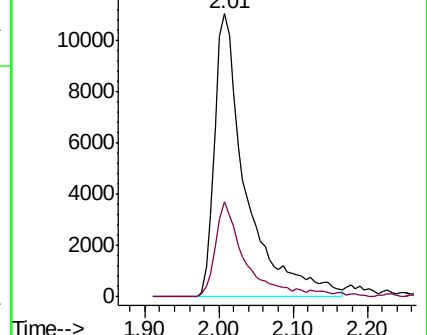
85 100

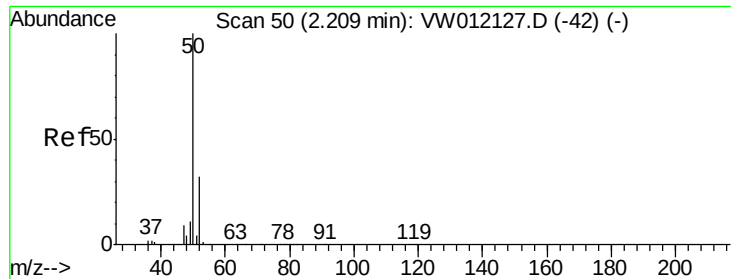
87 33.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





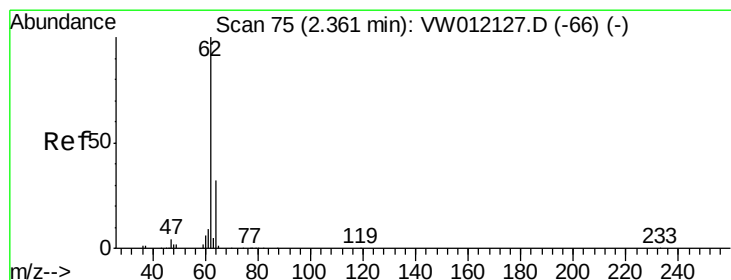
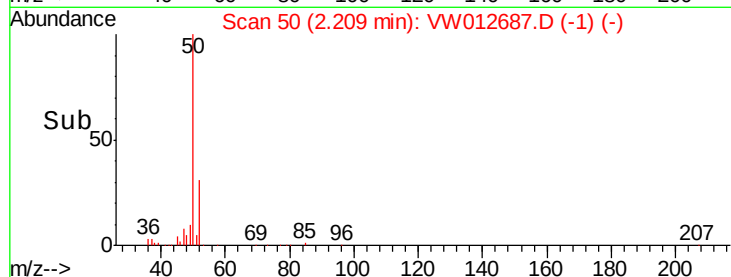
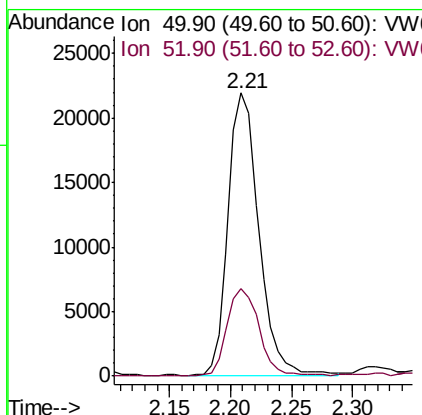
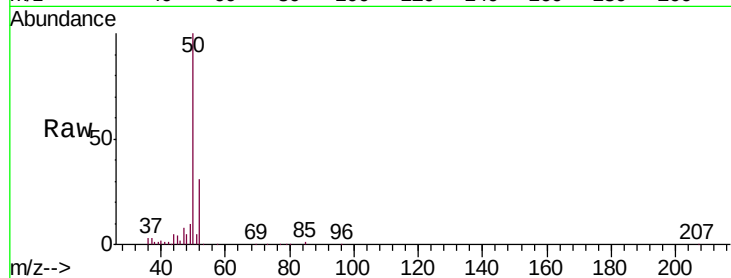
#3
Chloromethane
Concen: 18.446 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
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VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.8	25.5	38.3

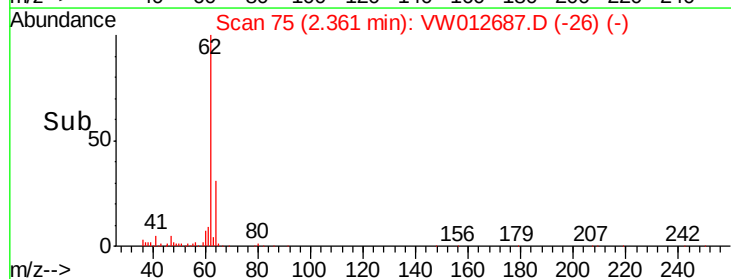
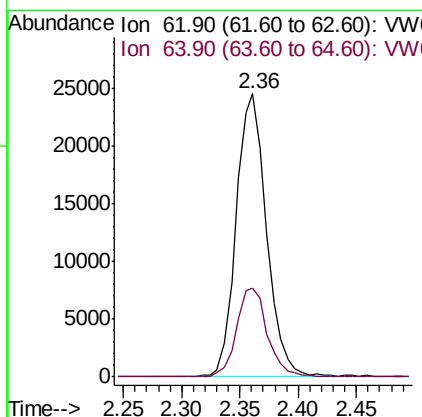
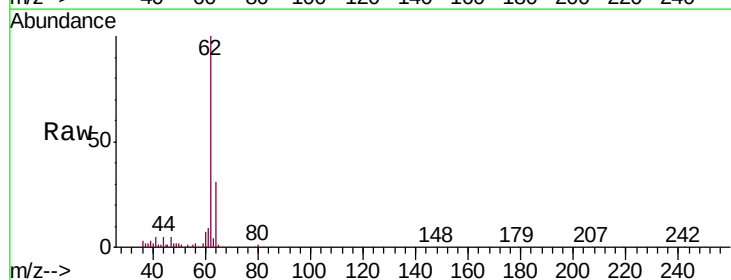
Manual Integrations
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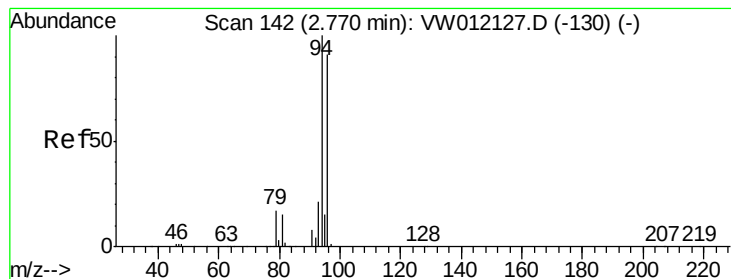
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#4
Vinyl Chloride
Concen: 17.467 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.3	37.9





#5

Bromomethane

Concen: 19.084 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBSD02

Tgt Ion: 94 Resp: 24631

Ion Ratio Lower Upper

94 100

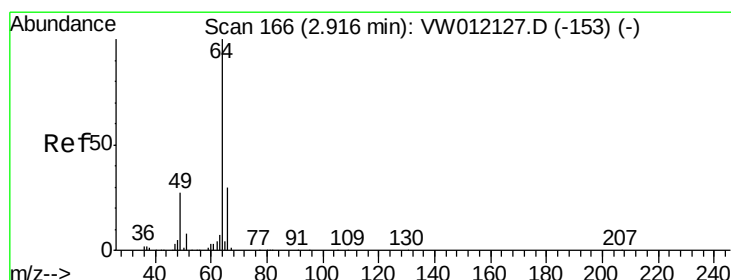
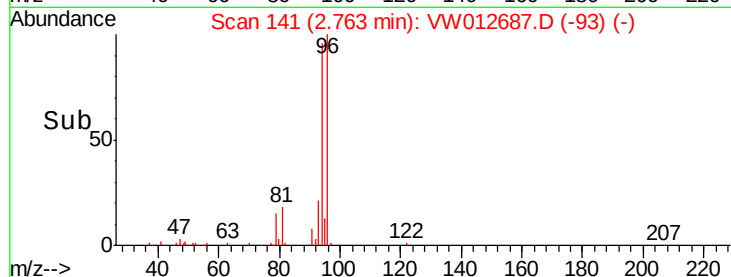
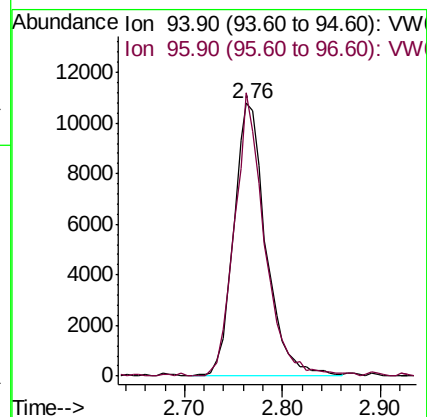
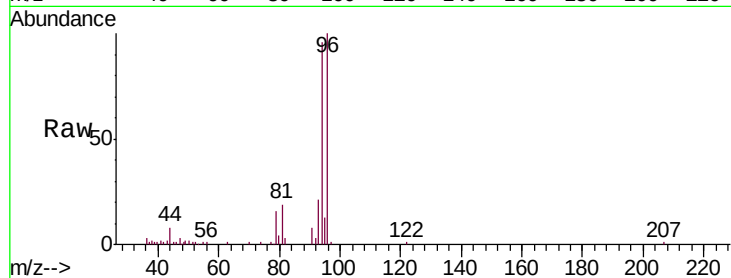
96 103.9 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 18.683 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012687.D

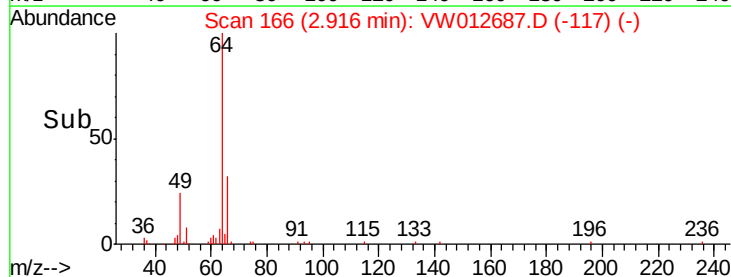
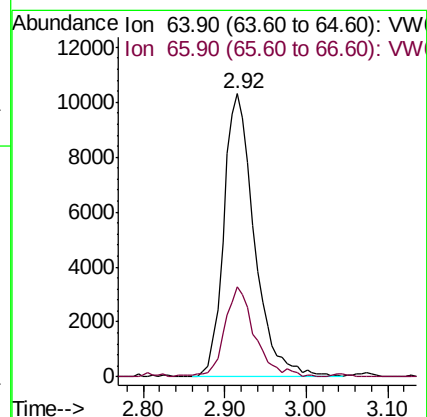
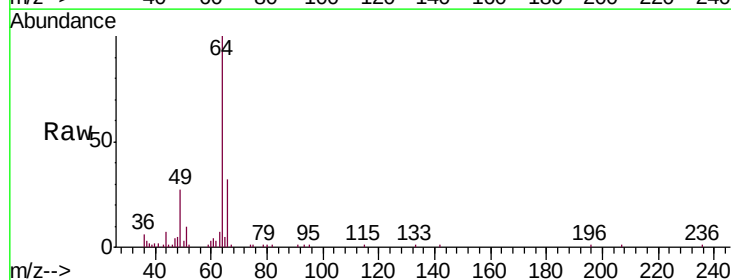
Acq: 06 Sep 2019 13:24

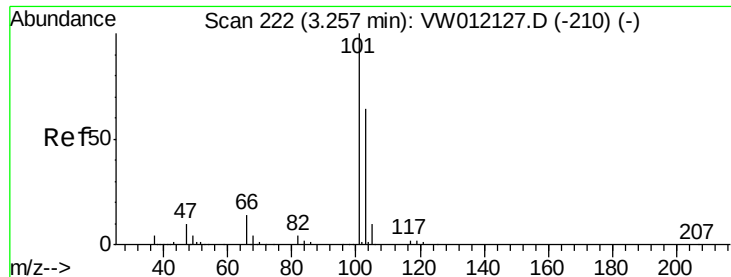
Tgt Ion: 64 Resp: 26860

Ion Ratio Lower Upper

64 100

66 31.2 23.8 35.8





#7

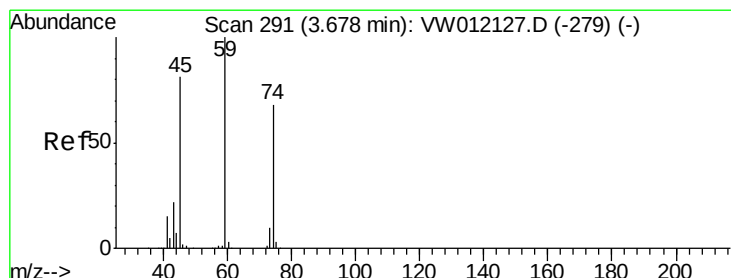
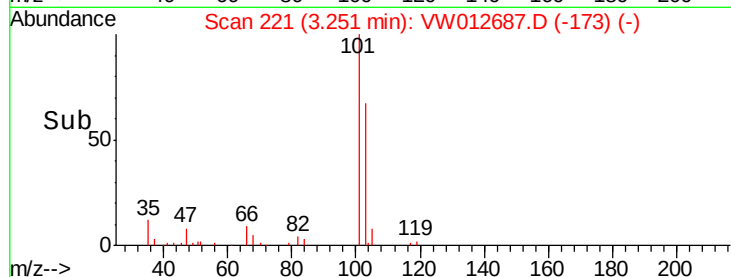
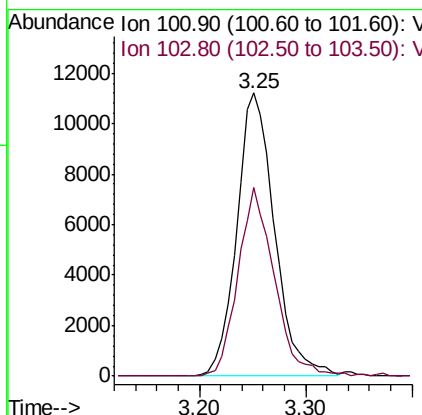
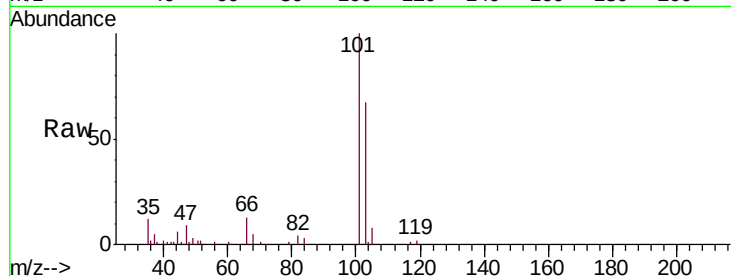
Trichlorofluoromethane
 Concen: 21.801 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	27899		
103	66.6	51.2	76.8	

Manual Integrations
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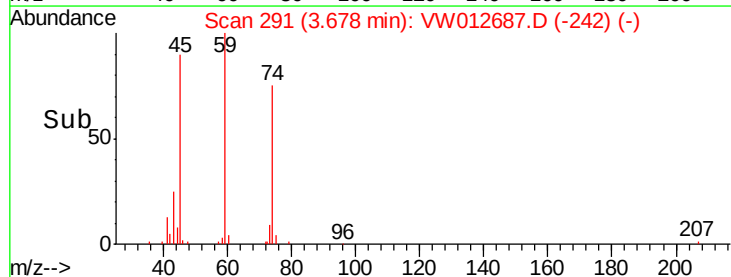
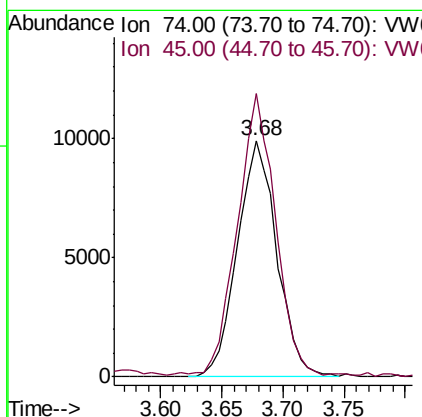
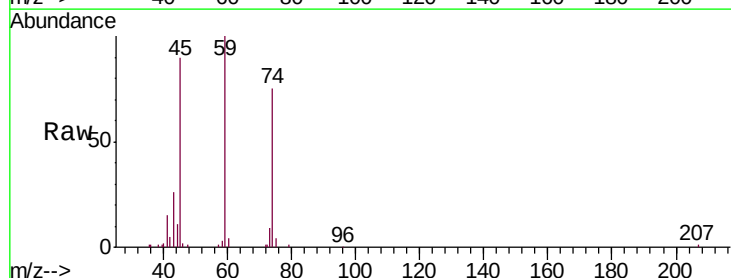
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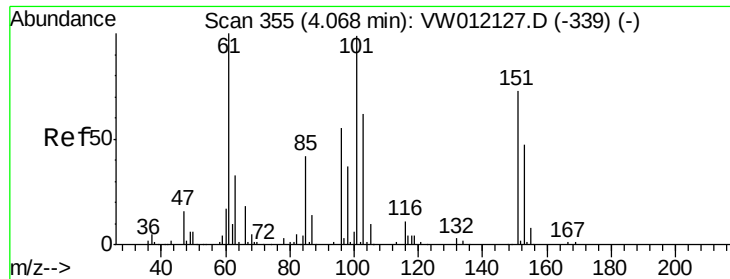


#8

Diethyl Ether
 Concen: 18.292 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	22219		
45	116.0	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.686 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012687.D

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Instrument :

MSVOA_W

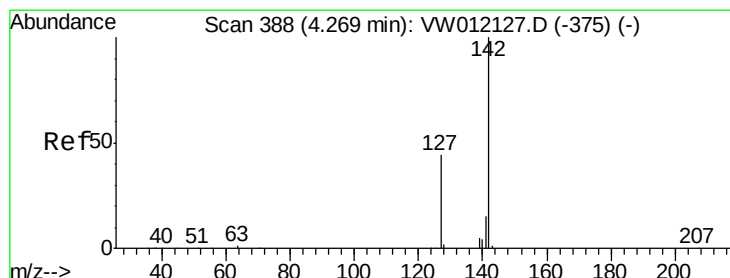
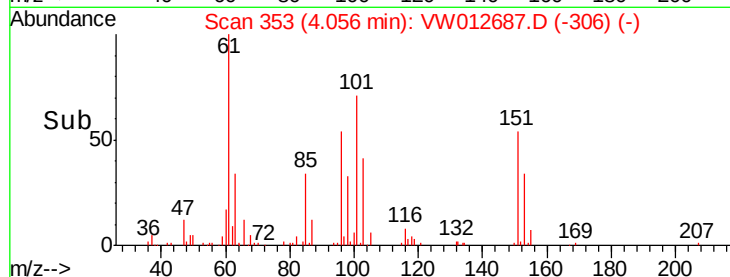
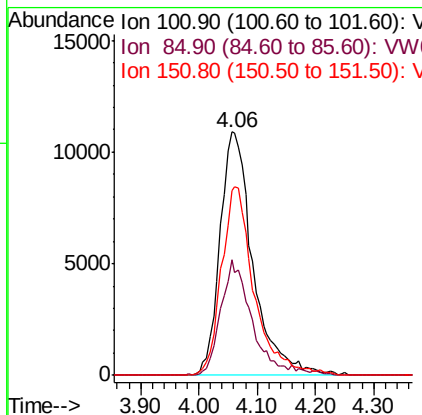
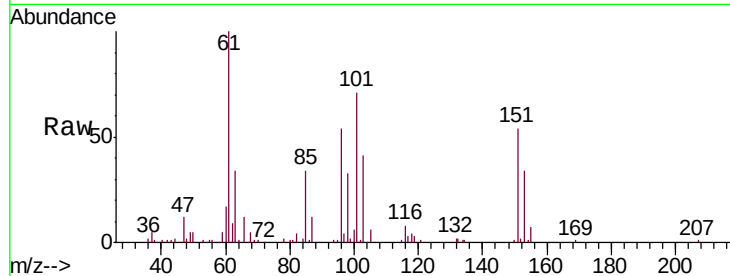
ClientSampleId :

VW0906SBS02

Tgt Ion:	101	Resp:	42821
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.8	53.6
151	77.2	58.6	87.8

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#10

Methyl Iodide

Concen: 18.179 ug/l

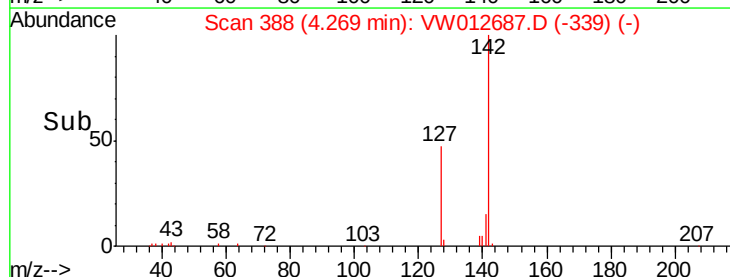
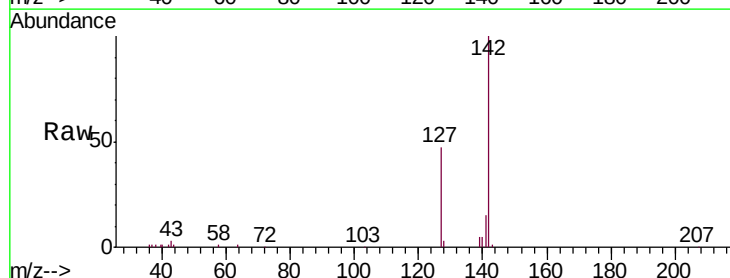
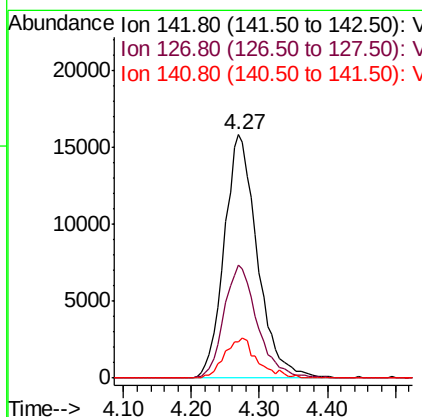
RT: 4.27 min Scan# 388

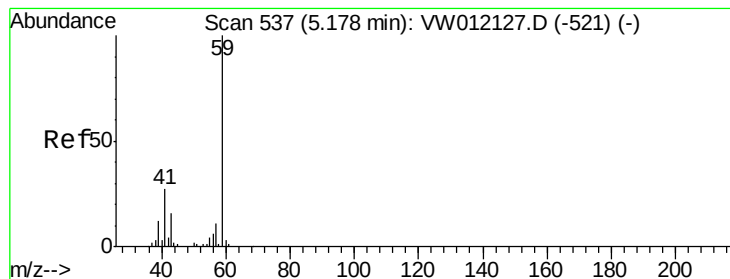
Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Tgt Ion:	142	Resp:	53504
Ion Ratio	Lower	Upper	
142	100		
127	47.0	35.5	53.3
141	16.2	11.8	17.8





#11

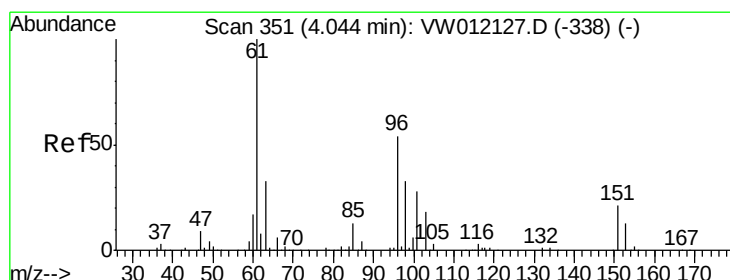
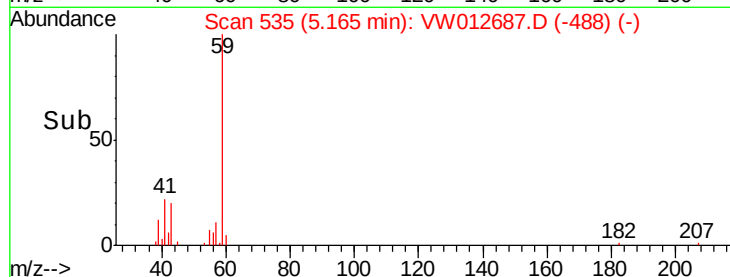
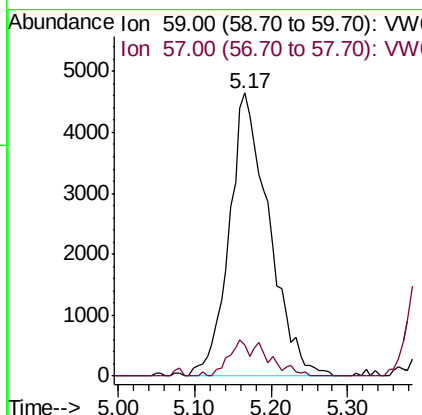
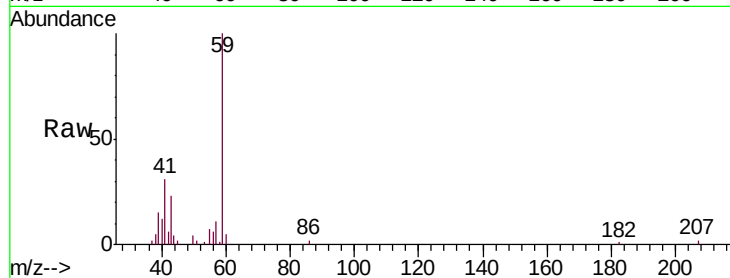
Tert butyl alcohol
Concen: 107.130 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampled :
VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.1	9.0	13.4#

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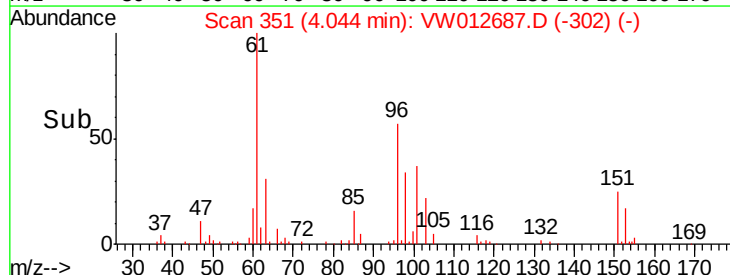
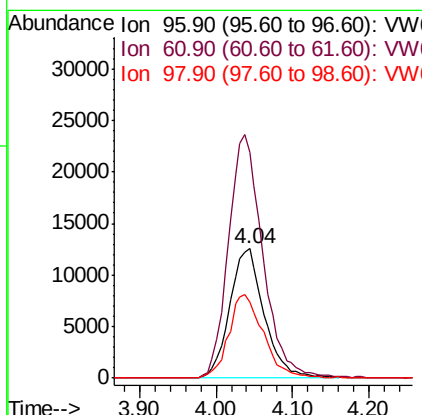
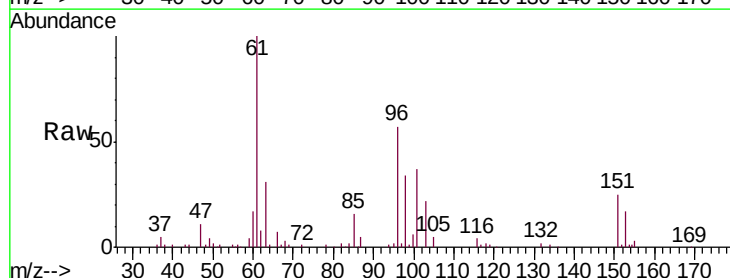
MMDadoda
9/9/2019 4:45:11 AM

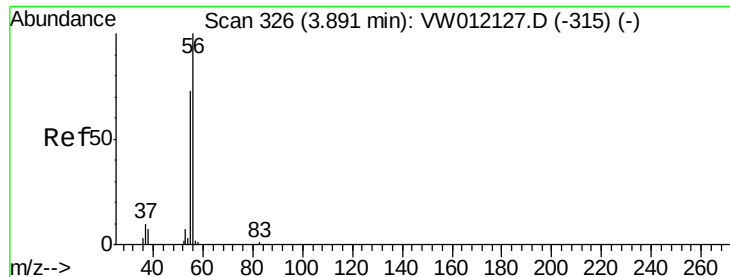


#12

1,1-Dichloroethene
Concen: 17.861 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	149.1	223.7
98	58.5	49.4	74.2





#13

Acrolein

Concen: 55.414 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBSD02

Tgt Ion: 56 Resp: 8145

Ion Ratio Lower Upper

56 100

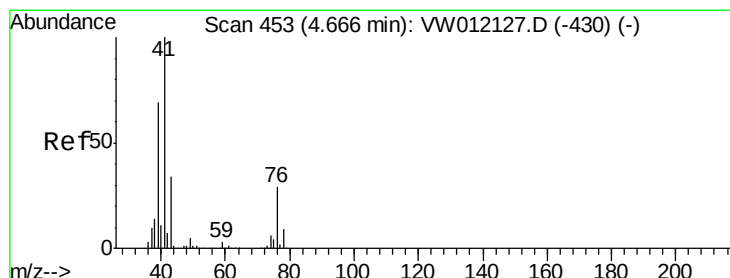
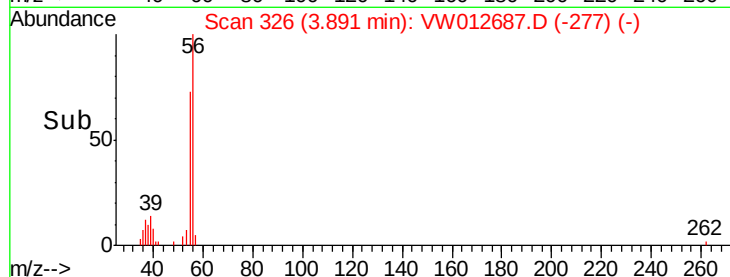
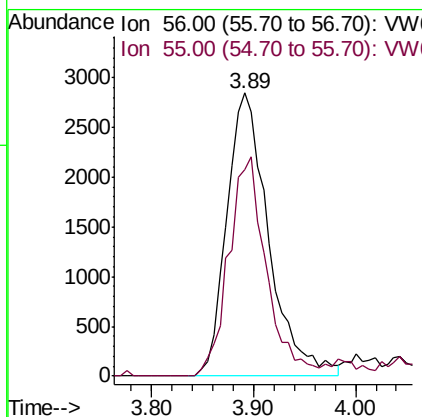
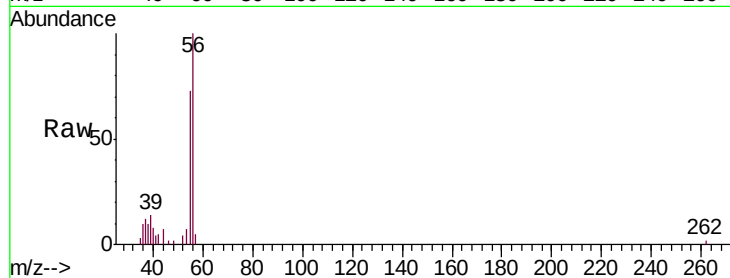
55 69.1 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.170 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

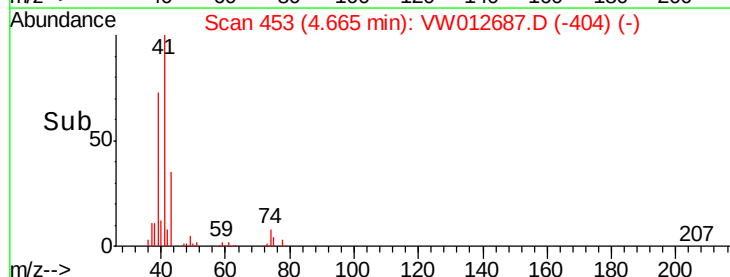
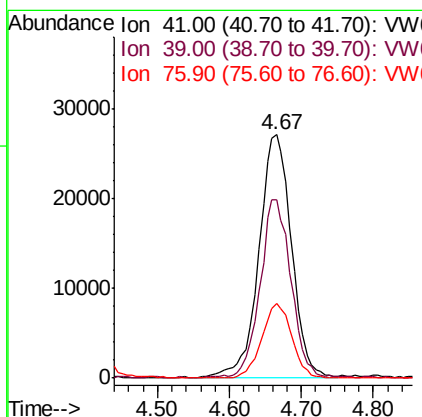
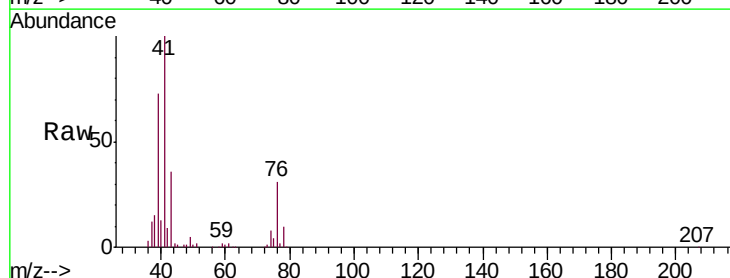
Tgt Ion: 41 Resp: 85045

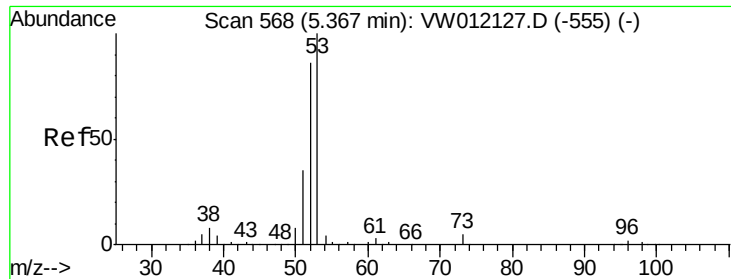
Ion Ratio Lower Upper

41 100

39 70.3 53.4 80.2

76 28.2 22.1 33.1





#15

Acrylonitrile

Concen: 101.890 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

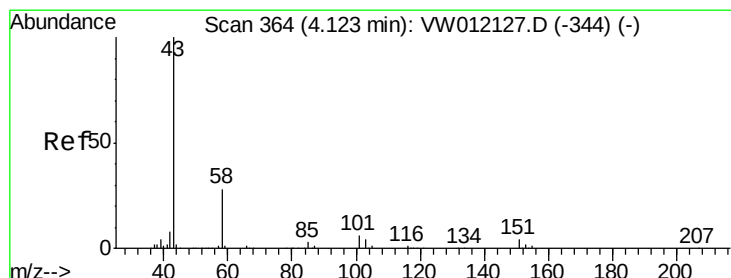
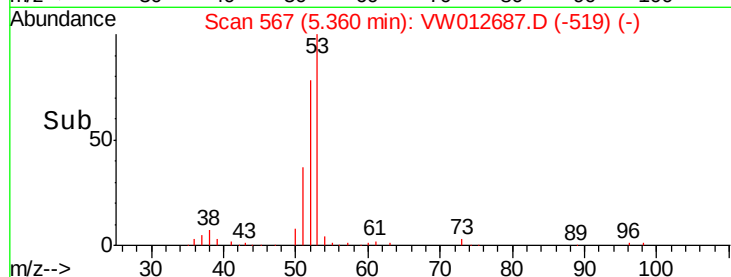
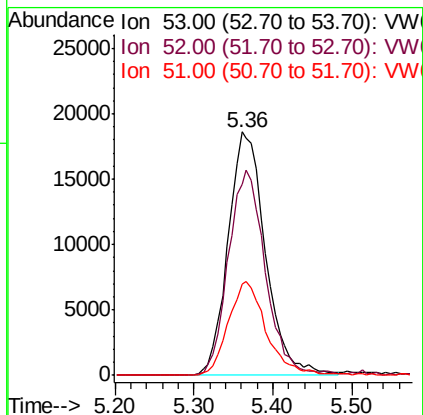
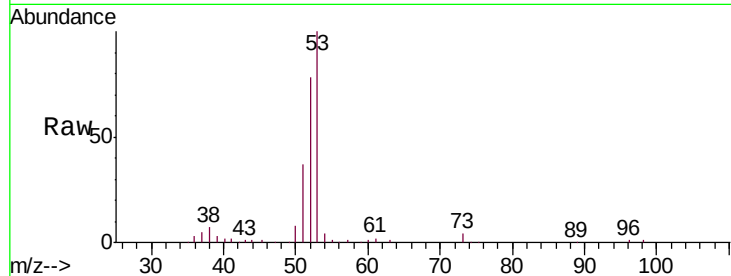
ClientSampleId :

VW0906SBS02

Tgt Ion:	53	Resp:	61344
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.7	100.1
51	39.5	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 91.090 ug/l

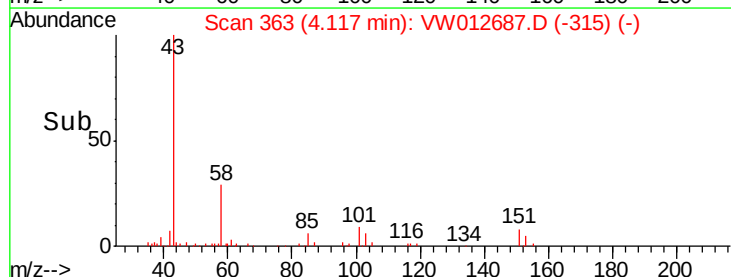
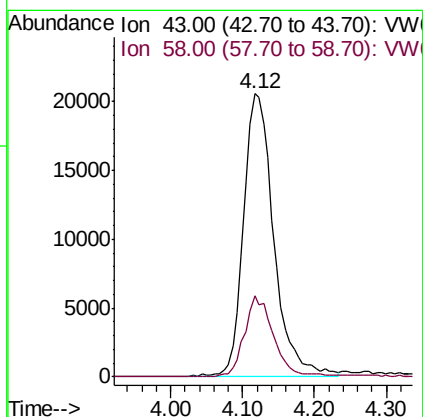
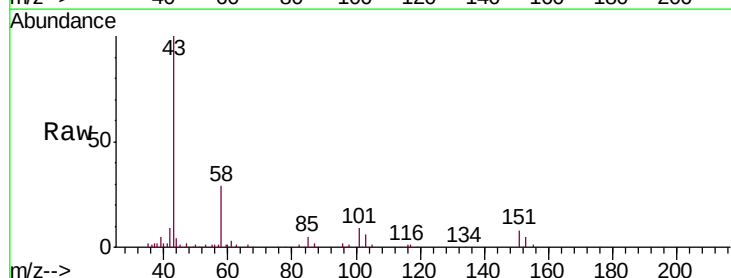
RT: 4.12 min Scan# 363

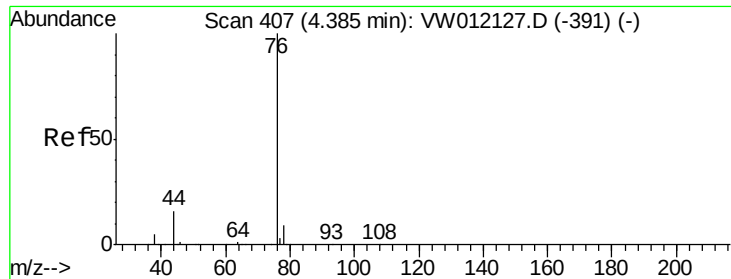
Delta R.T. -0.01 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Tgt Ion:	43	Resp:	60416
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.4	33.6





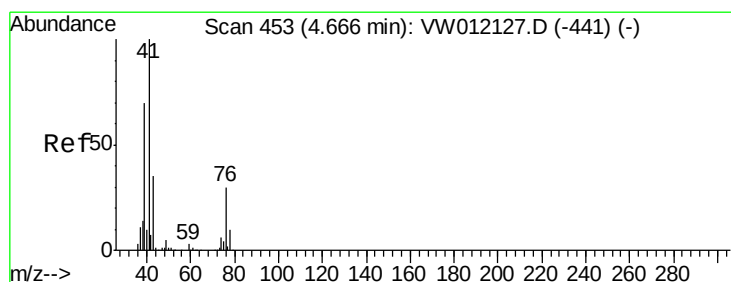
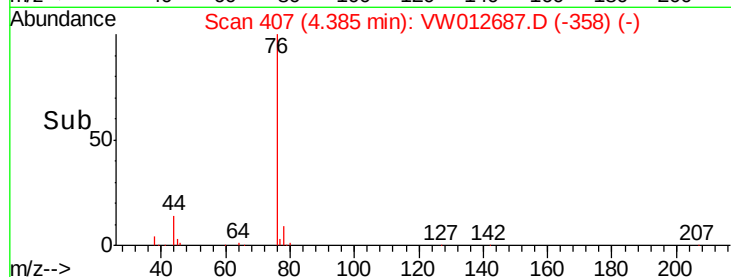
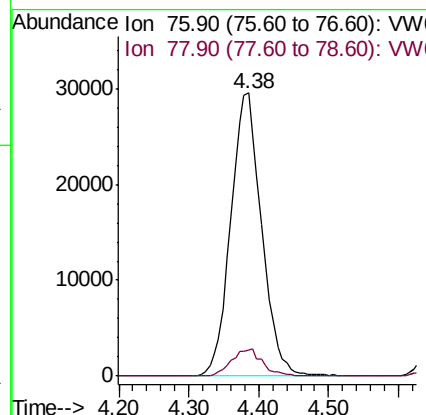
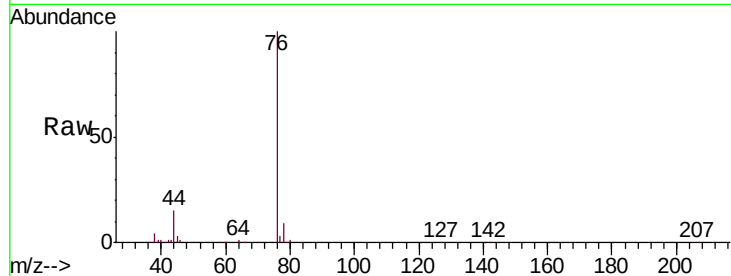
#17
Carbon Disulfide
Concen: 13.656 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBSD02

Tgt Ion: 76 Resp: 90359
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

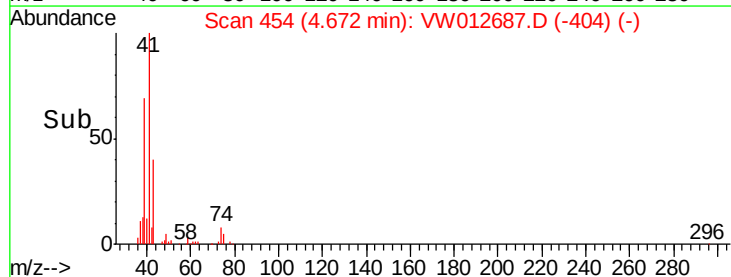
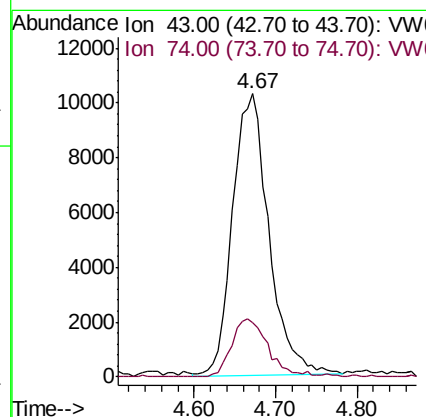
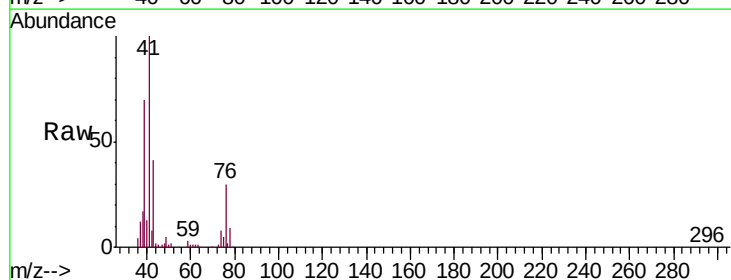
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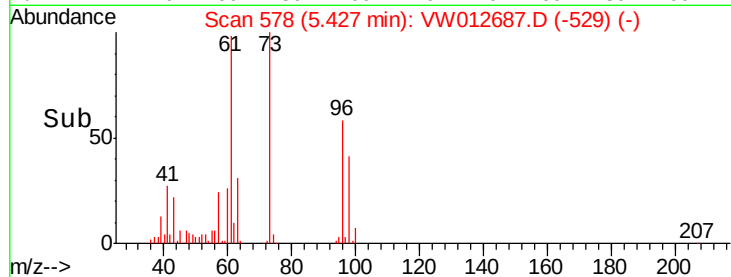
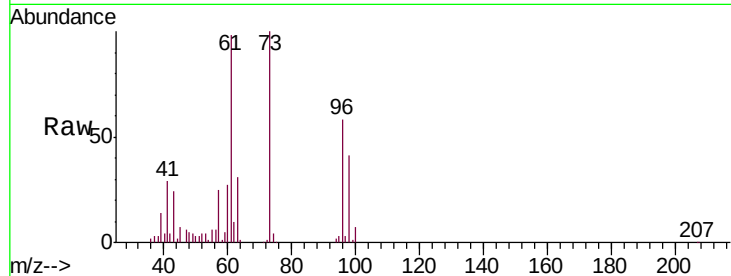
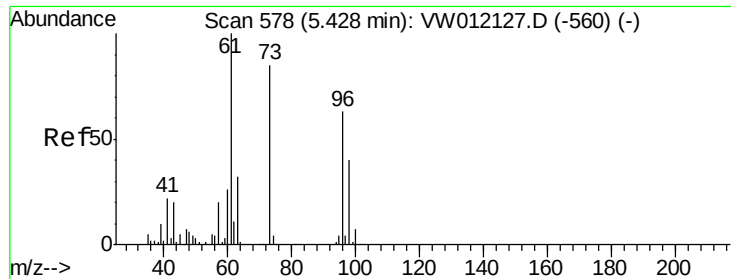
MMDadoda
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#18
Methyl Acetate
Concen: 19.267 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion: 43 Resp: 31652
Ion Ratio Lower Upper
43 100
74 20.6 15.7 23.5





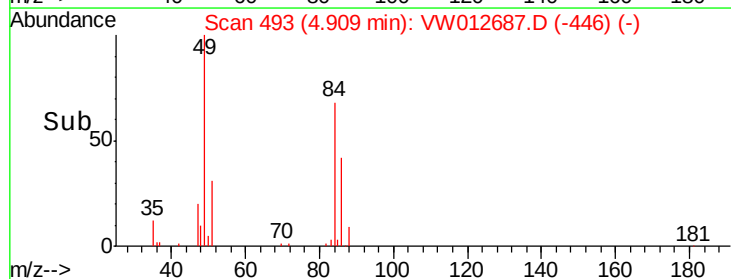
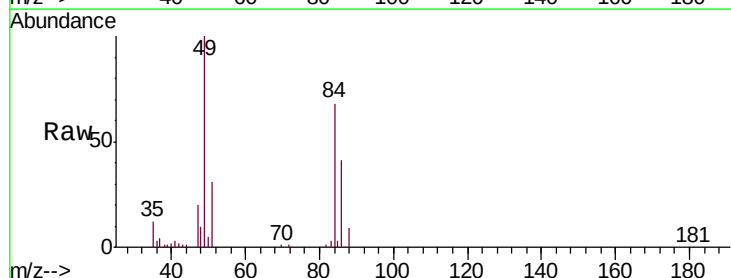
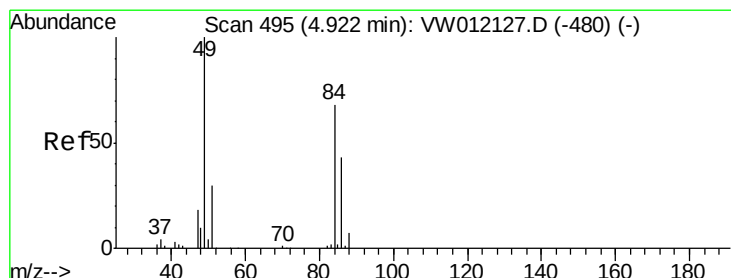
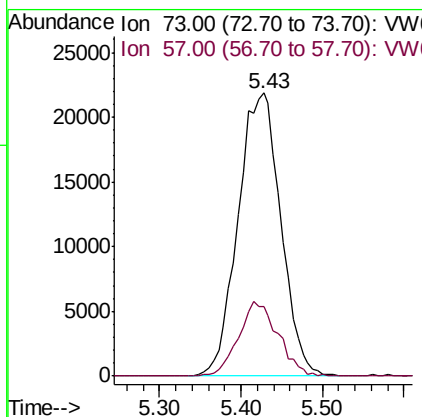
#19
Methyl tert-butyl Ether
Concen: 22.506 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion: 73 Resp: 79682
Ion Ratio Lower Upper
73 100
57 24.7 18.9 28.3

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

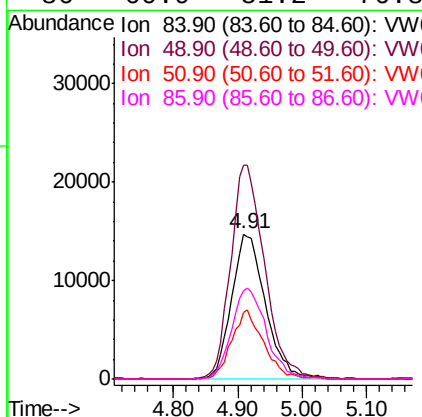
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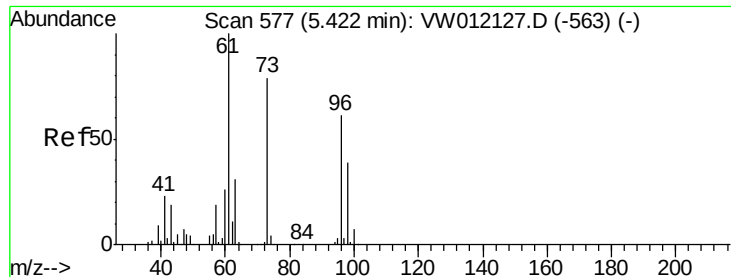
MMDadoda
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#20
Methylene Chloride
Concen: 21.444 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion: 84 Resp: 53768
Ion Ratio Lower Upper
84 100
49 147.3 117.8 176.8
51 45.8 35.6 53.4
86 60.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.774 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

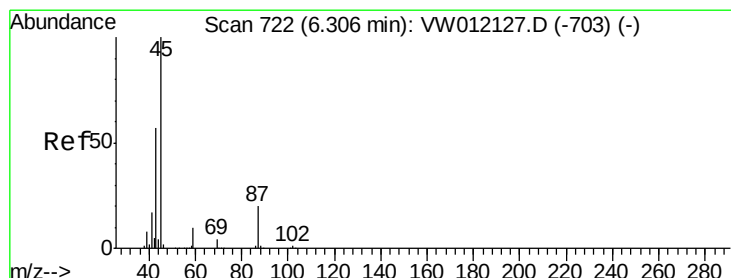
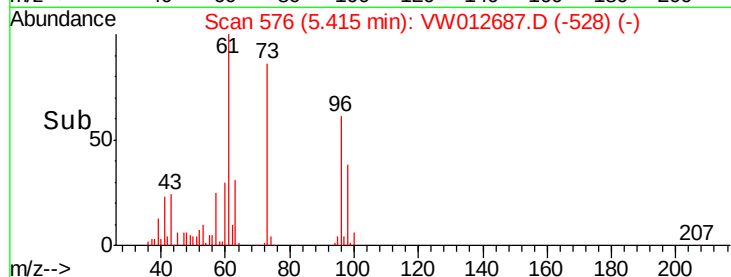
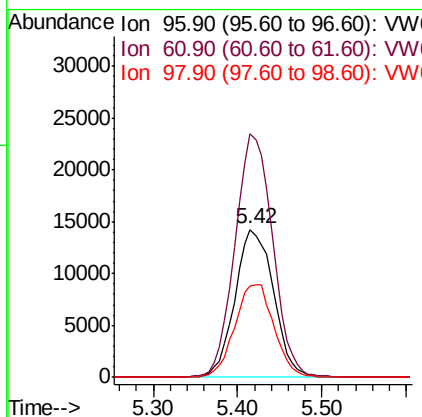
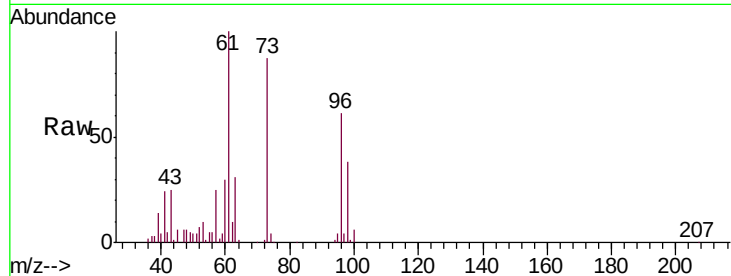
ClientSampleId :

VW0906SBS02

Tgt Ion:	96	Resp:	44077
Ion	Ratio	Lower	Upper
96	100		
61	164.9	131.4	197.0
98	62.1	51.4	77.0

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#22

Diisopropyl ether

Concen: 20.659 ug/l

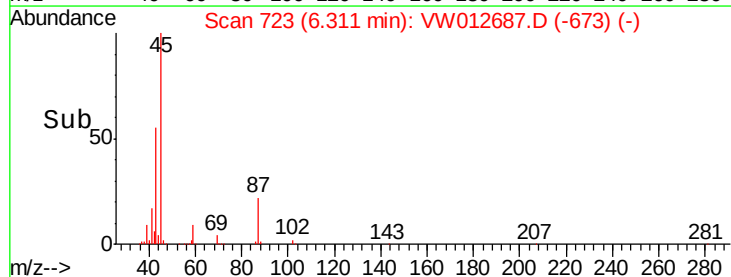
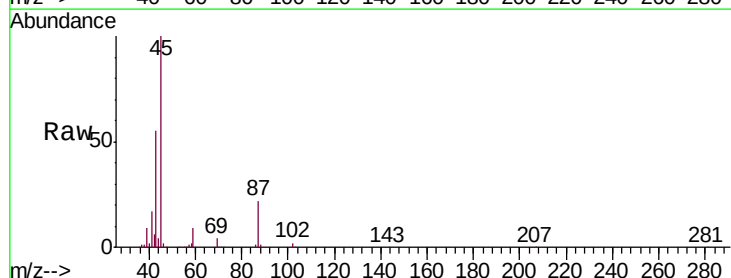
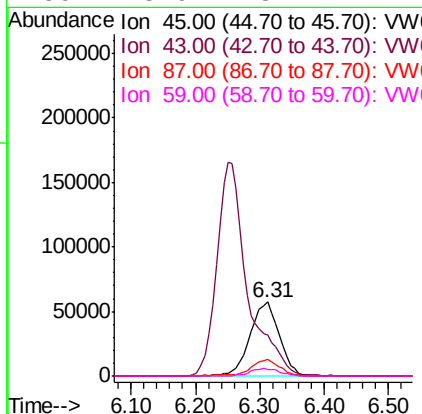
RT: 6.31 min Scan# 723

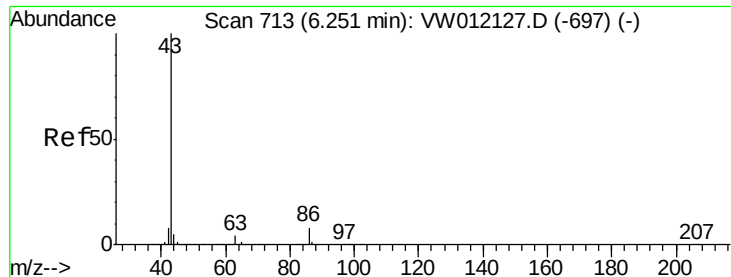
Delta R.T. 0.01 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Tgt Ion:	45	Resp:	179236
Ion	Ratio	Lower	Upper
45	100		
43	55.1	45.5	68.3
87	21.9	16.1	24.1
59	8.9	8.2	12.2





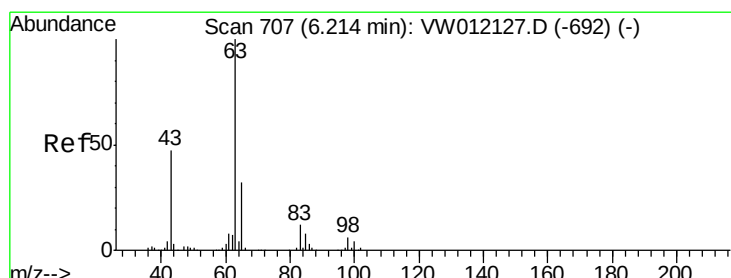
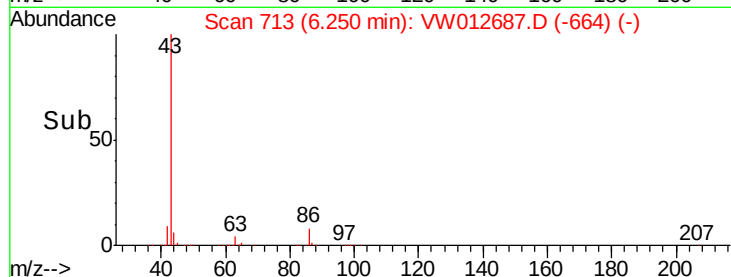
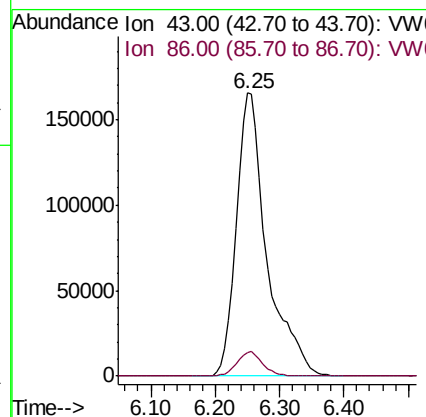
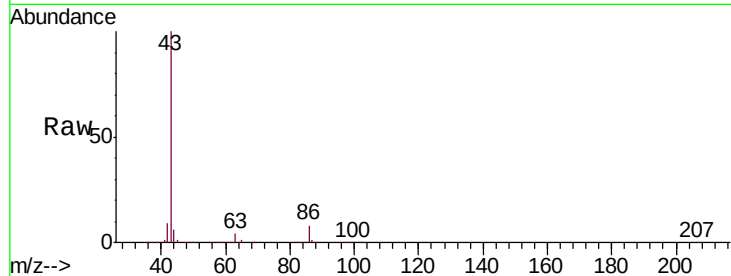
#23
 Vinyl Acetate
 Concen: 102.724 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	548464		
86	8.3	6.5	9.7	

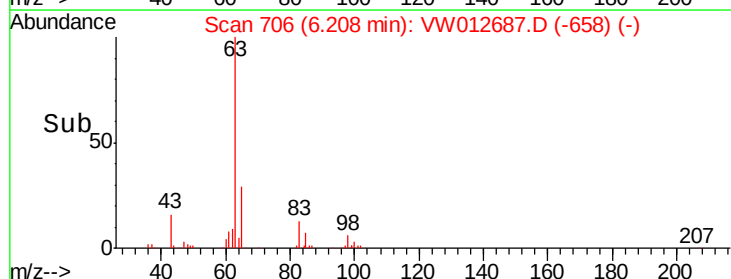
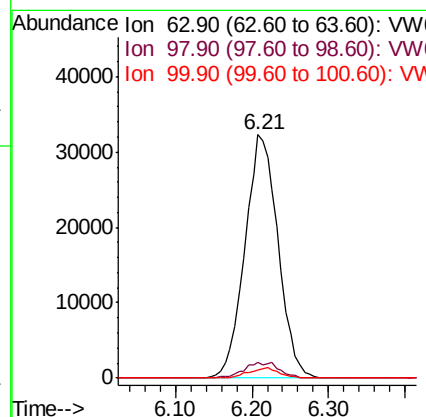
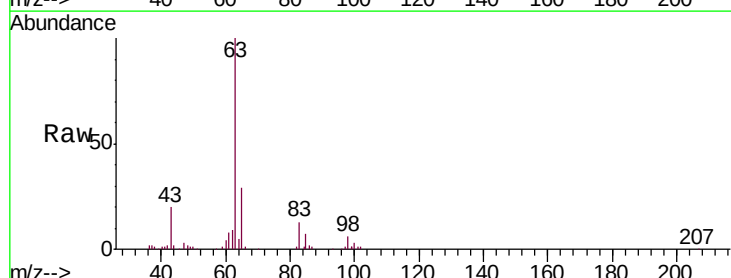
Manual Integrations
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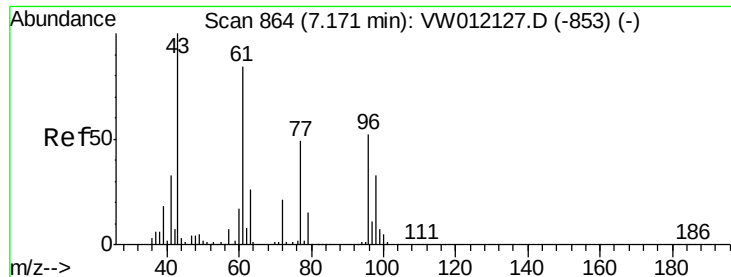
MMDadoda
 9/9/2019 4:45:11 AM



#24
 1,1-Dichloroethane
 Concen: 20.550 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	97073		
98	6.3	3.0	9.2	
100	3.4	2.0	6.0	





#25

2-Butanone

Concen: 99.887 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS02

Tgt Ion: 43 Resp: 90027

Ion Ratio Lower Upper

43 100

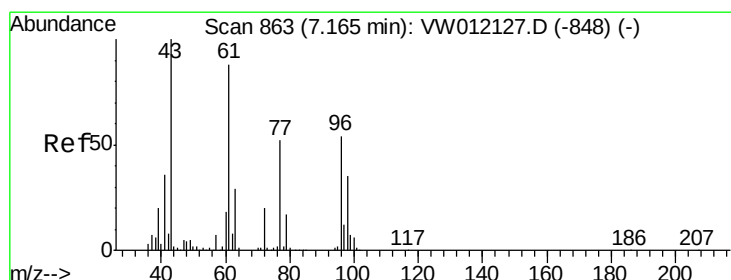
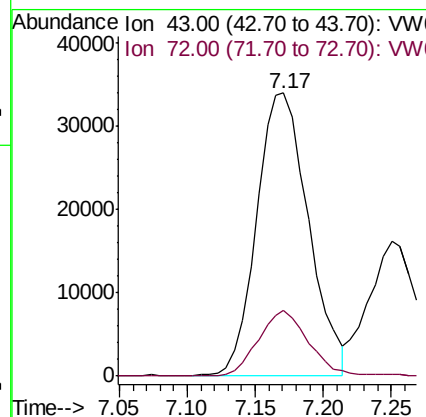
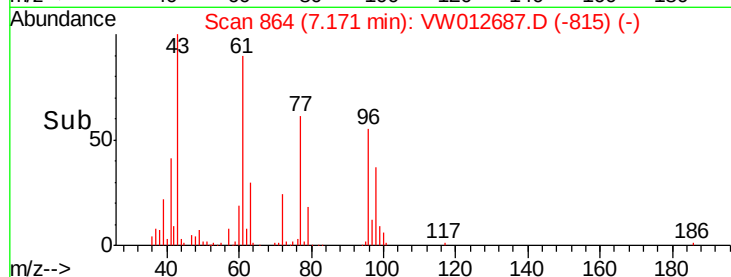
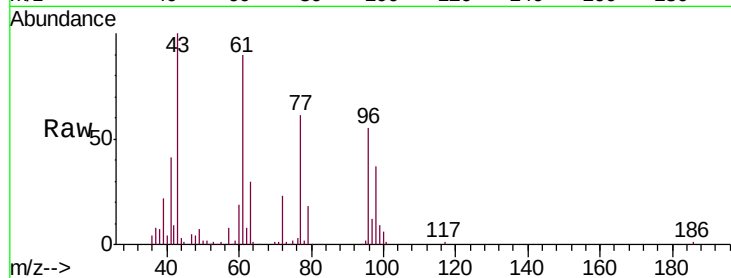
72 23.5 16.6 24.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 22.990 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012687.D

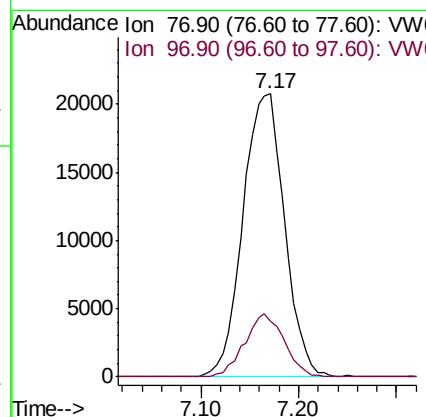
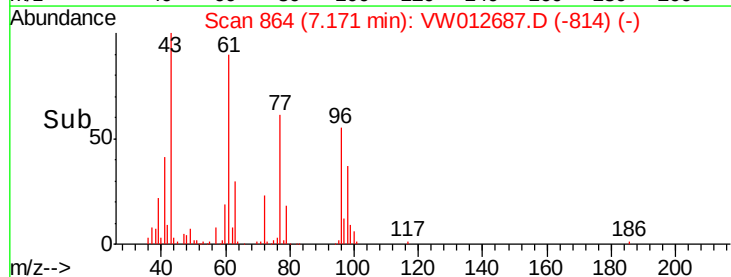
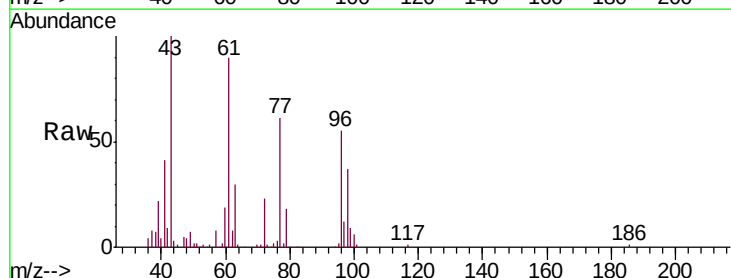
Acq: 06 Sep 2019 13:24

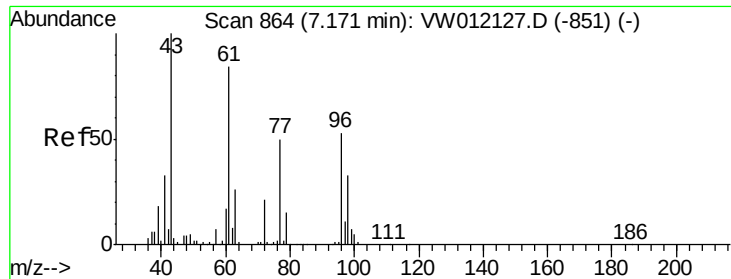
Tgt Ion: 77 Resp: 61470

Ion Ratio Lower Upper

77 100

97 21.2 11.1 33.1





#27

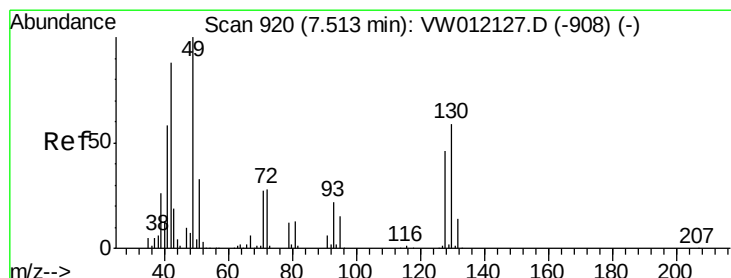
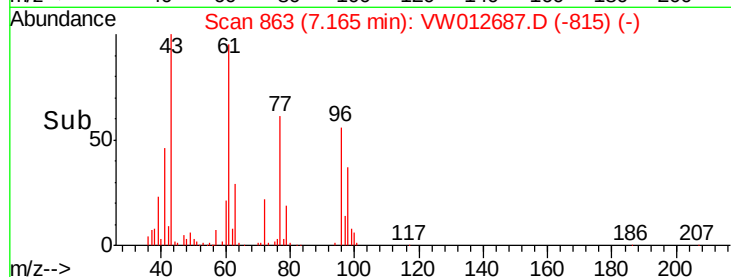
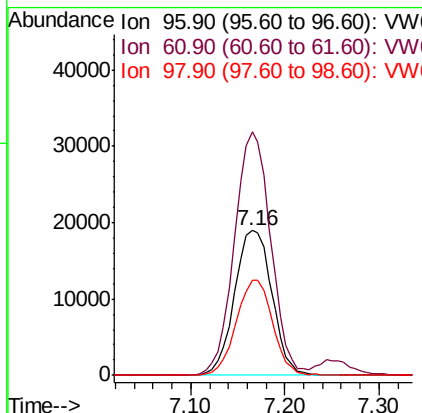
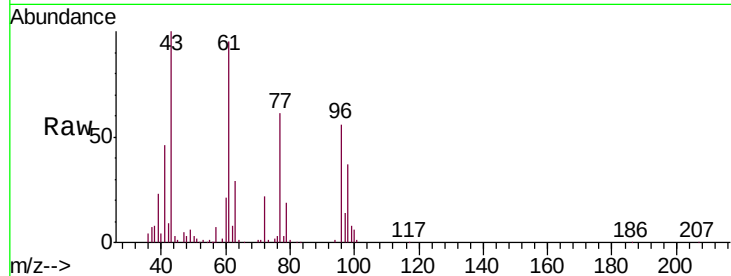
cis-1,2-Dichloroethene
Concen: 20.959 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	326.6
98	63.8	0.0	127.4

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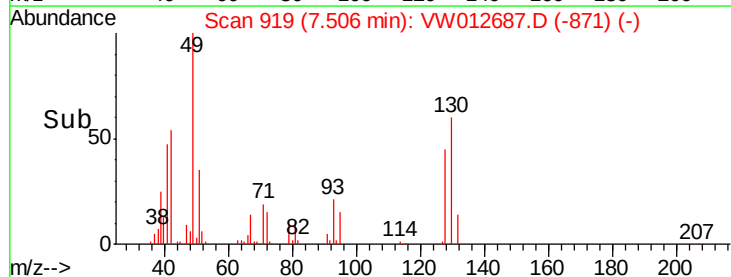
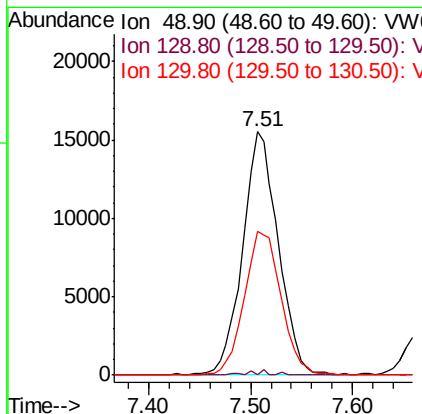
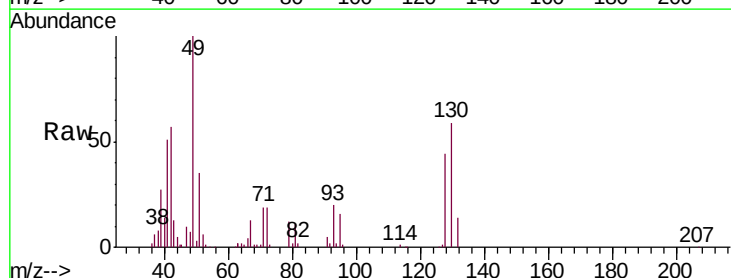
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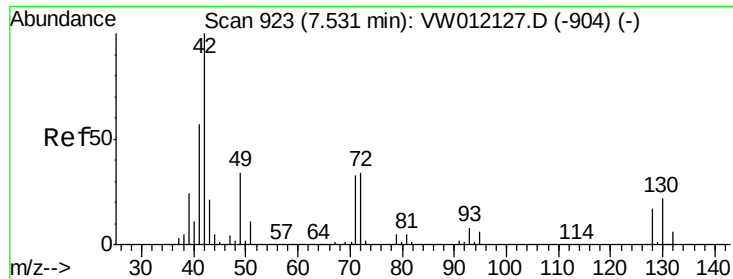


#28

Bromochloromethane
Concen: 18.260 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	61.2	45.5	68.3





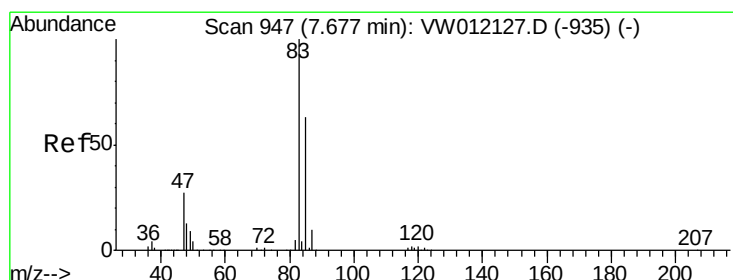
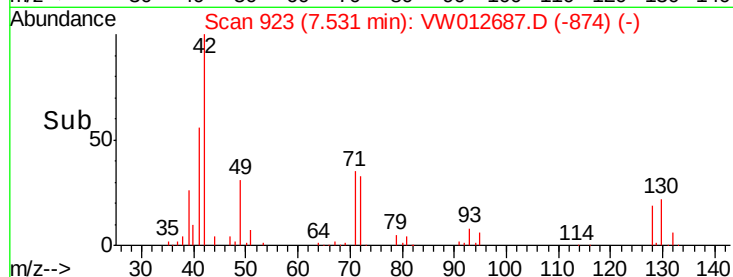
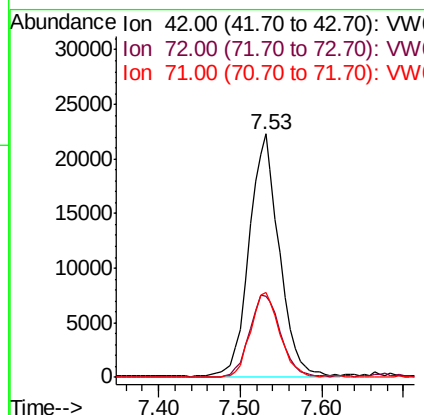
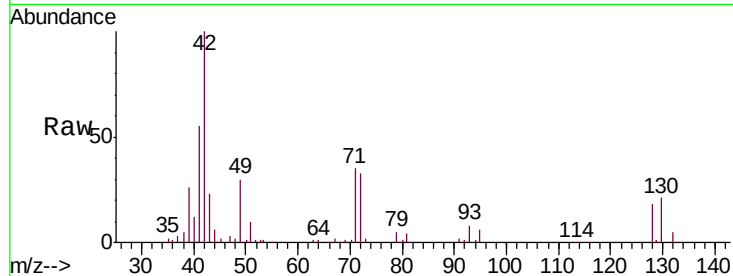
#29
Tetrahydrofuran
Concen: 105.223 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
42	100		
72	35.6	27.3	40.9
71	34.4	25.5	38.3

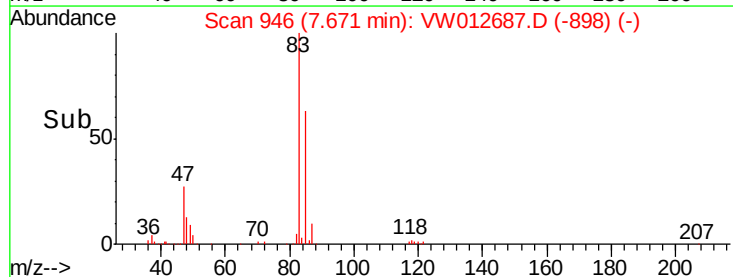
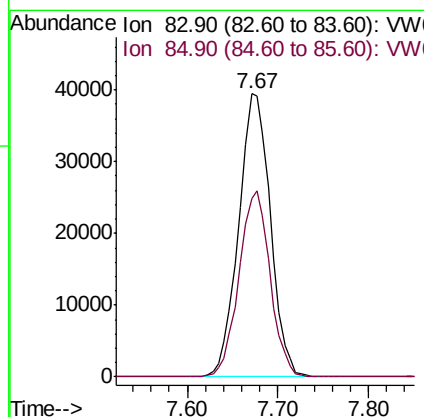
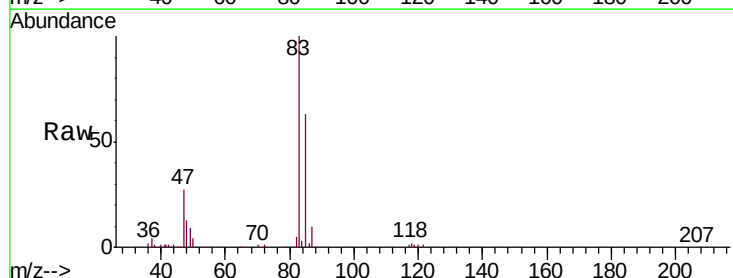
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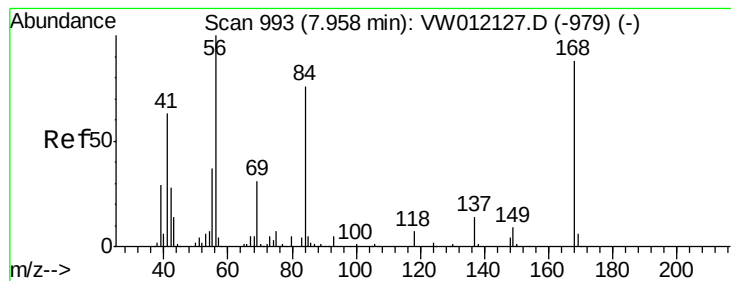
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#30
Chloroform
Concen: 22.143 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
85	62.8	50.6	76.0





#31

Cyclohexane

Concen: 18.558 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBSD02

Tgt Ion: 56 Resp: 86732

Ion Ratio Lower Upper

56 100

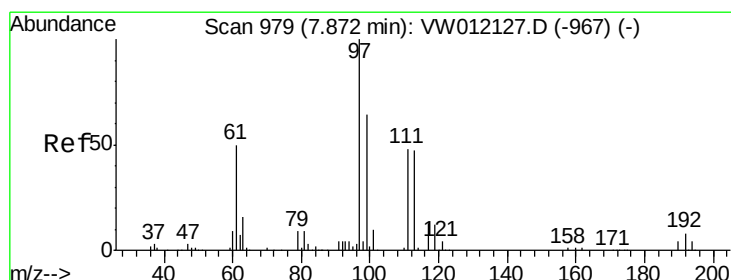
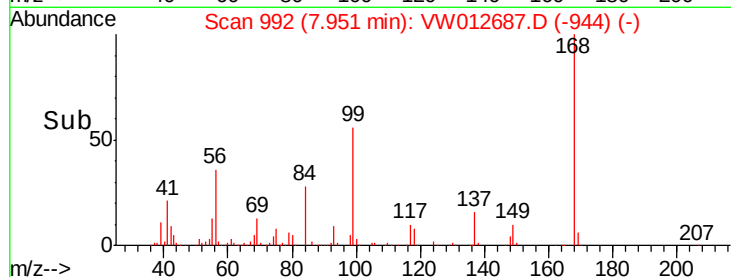
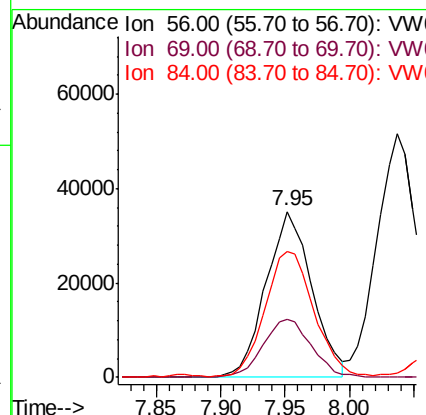
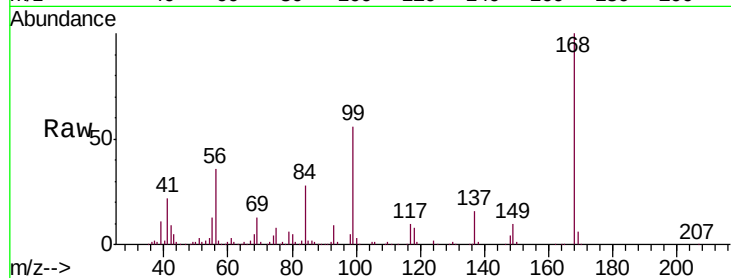
69 35.2 24.9 37.3

84 74.9 60.6 90.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.531 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

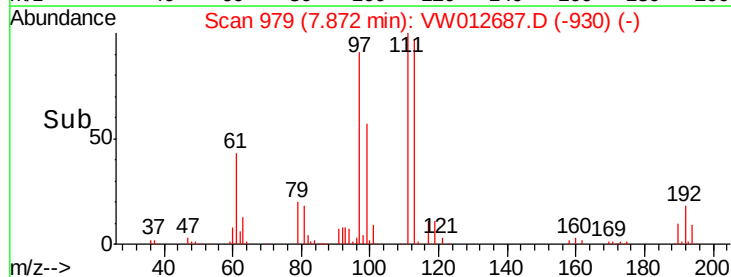
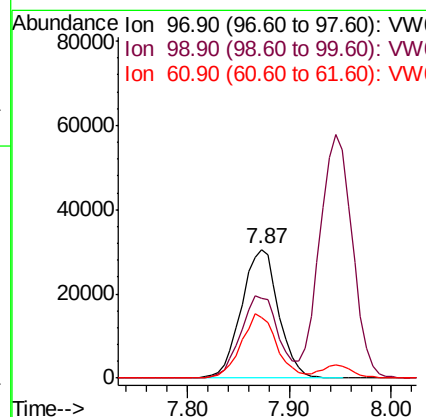
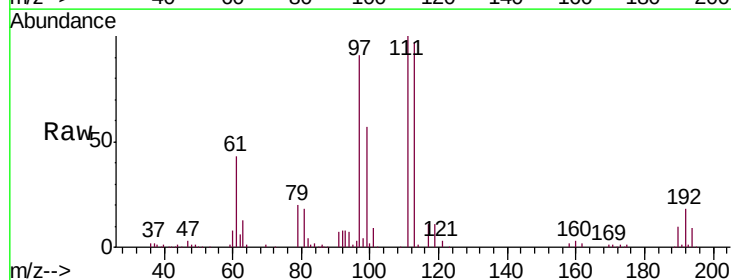
Tgt Ion: 97 Resp: 77031

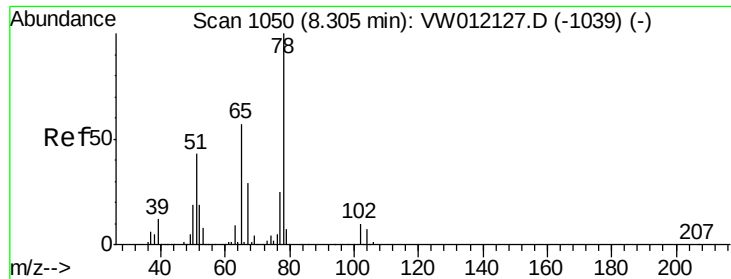
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 47.3 39.5 59.3





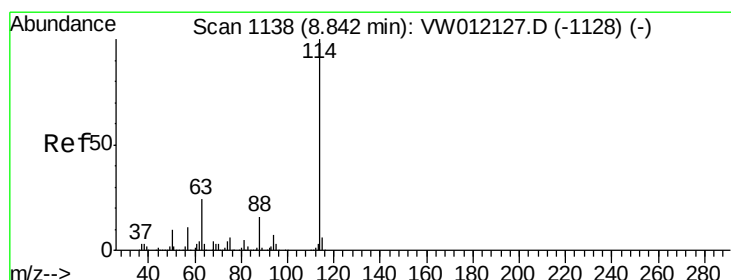
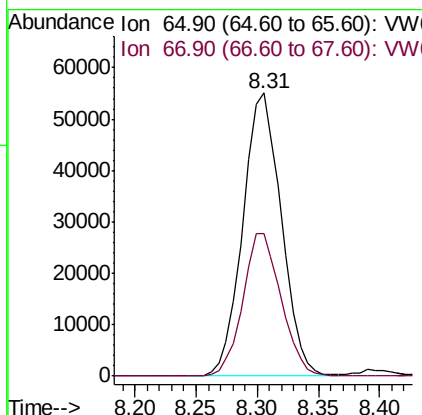
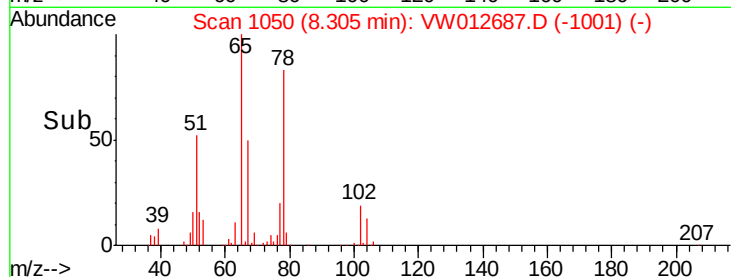
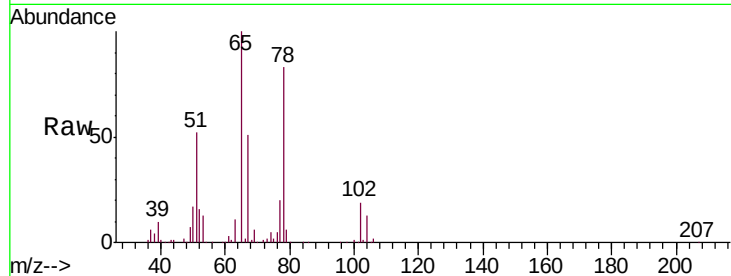
#33
 1,2-Dichloroethane-d4
 Concen: 46.548 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	120778		
67	50.1	0.0	102.6	

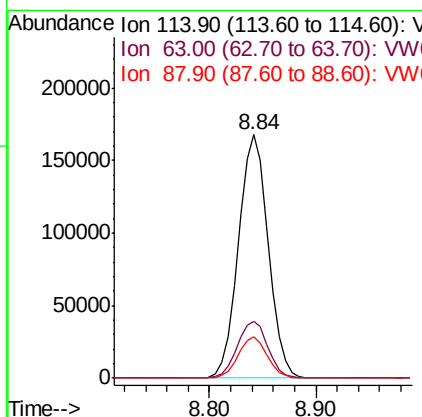
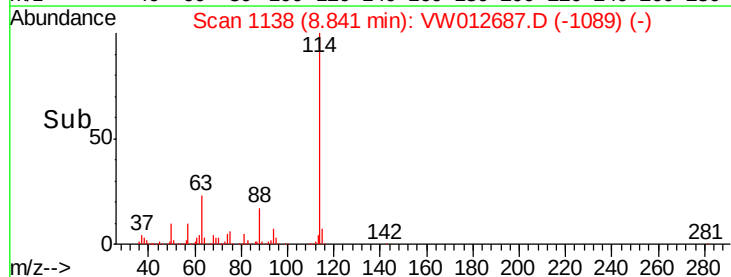
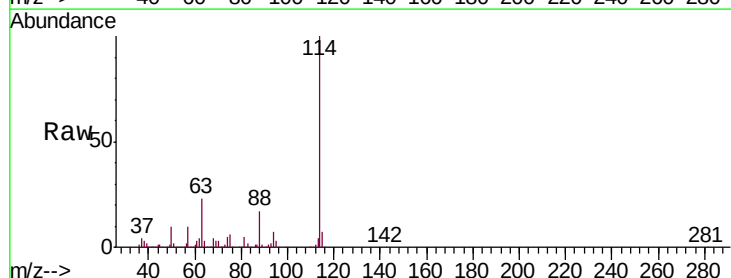
Manual Integrations
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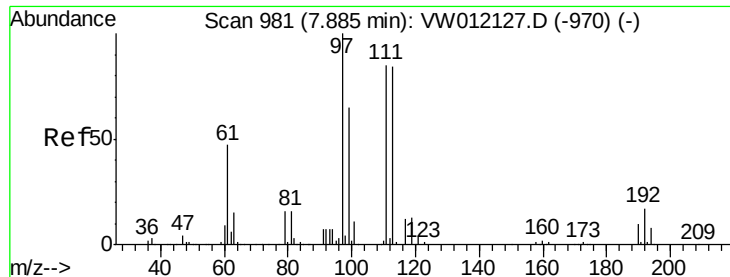
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 9/9/2019 4:45:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	329823		
63	23.2	0.0	48.6	
88	17.2	0.0	32.2	





#35

Dibromofluoromethane

Concen: 48.083 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

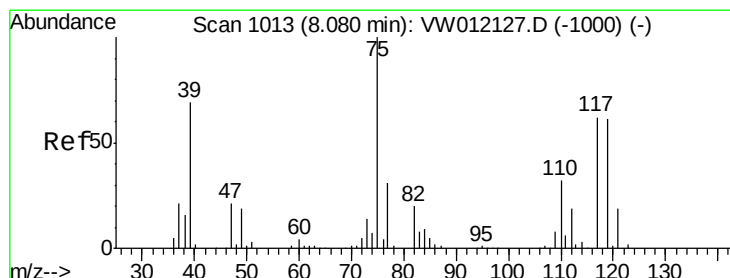
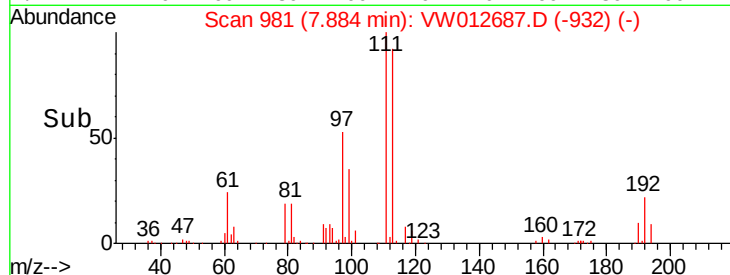
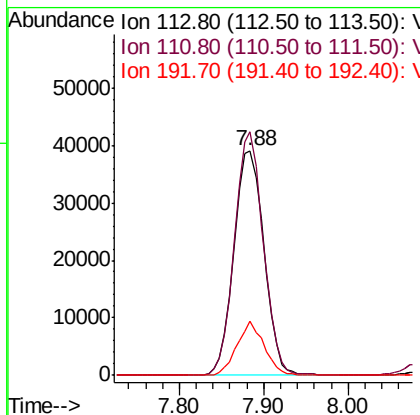
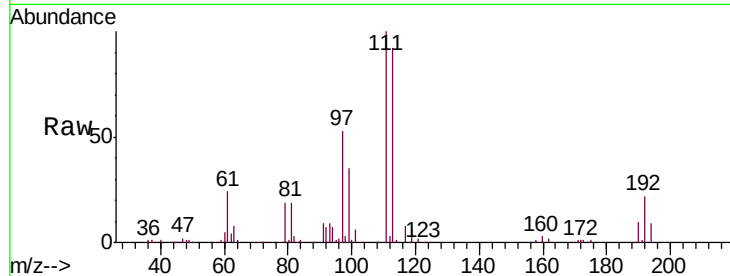
ClientSampleId :

VW0906SBSD02

Tgt Ion:	113	Resp:	94663
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.7	124.1
192	21.5	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.586 ug/l

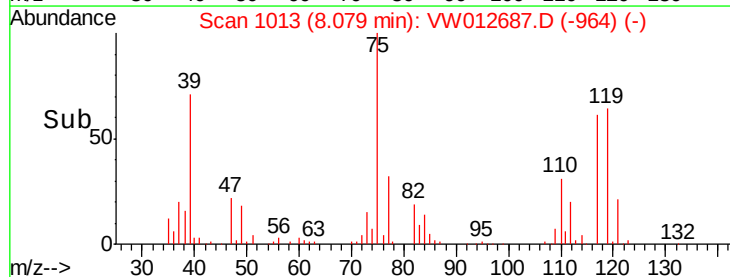
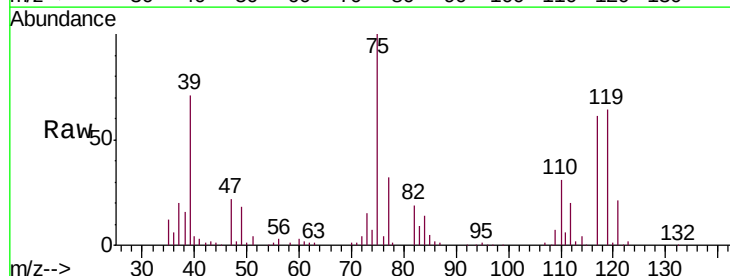
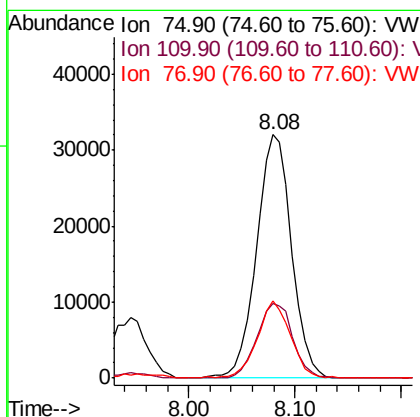
RT: 8.08 min Scan# 1013

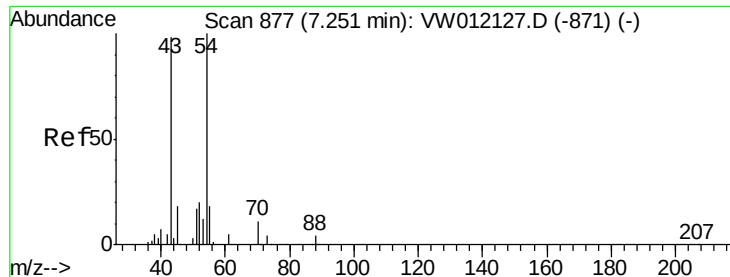
Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Tgt Ion:	75	Resp:	73574
Ion Ratio	Lower	Upper	
75	100		
110	31.3	15.6	46.8
77	30.2	24.6	36.8





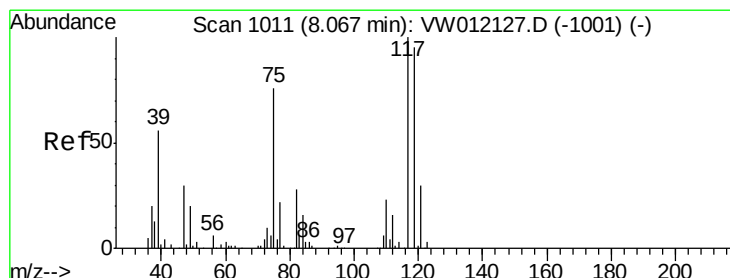
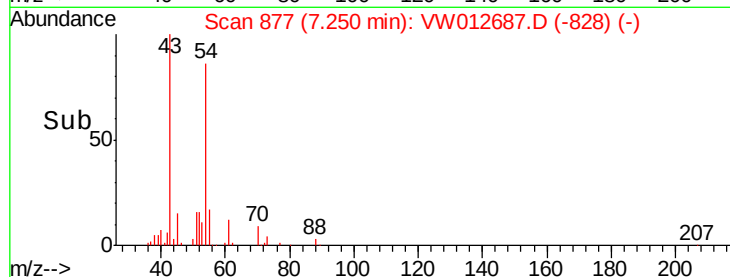
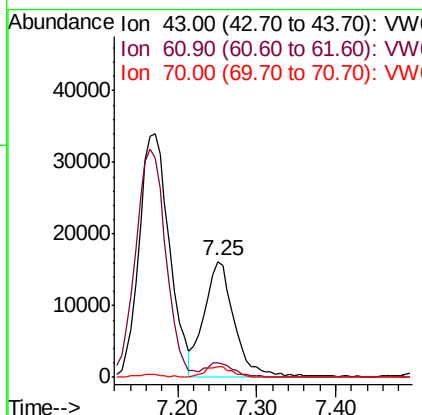
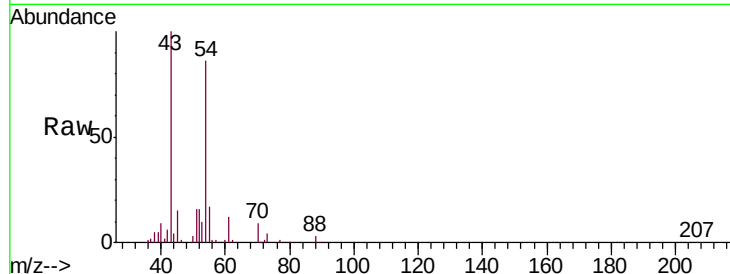
#37
Ethyl Acetate
Concen: 22.593 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.2	13.8
70	9.0	6.9	10.3

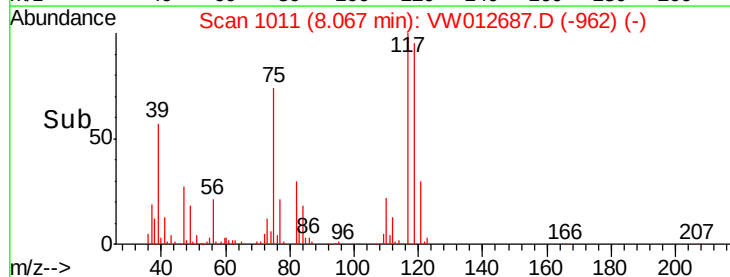
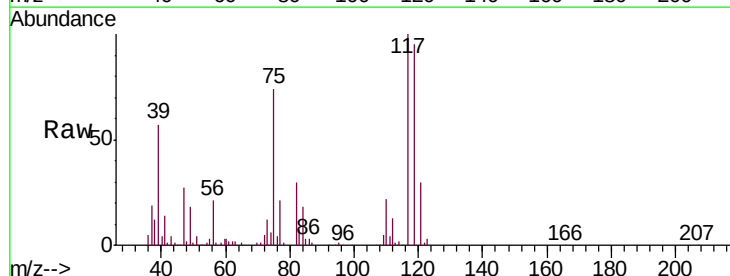
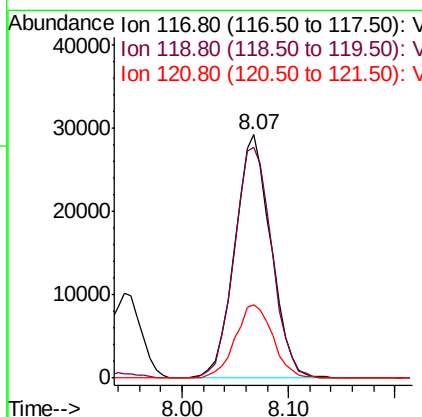
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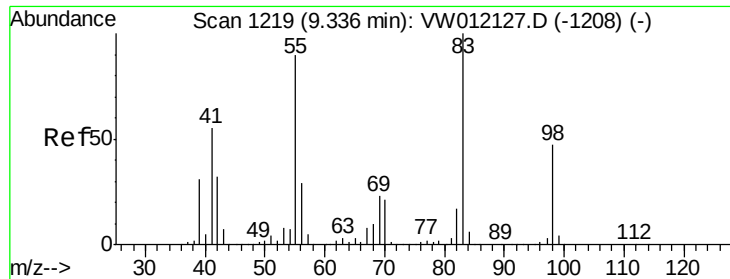
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#38
Carbon Tetrachloride
Concen: 23.564 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.2	114.2
121	30.4	23.8	35.8





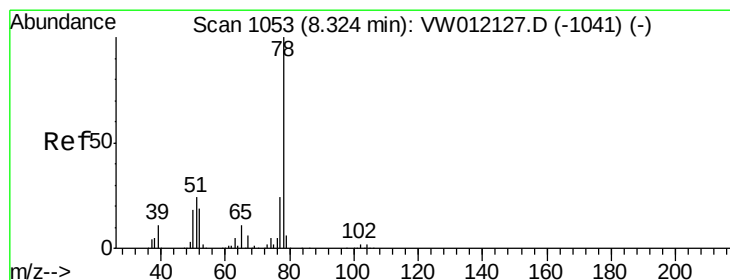
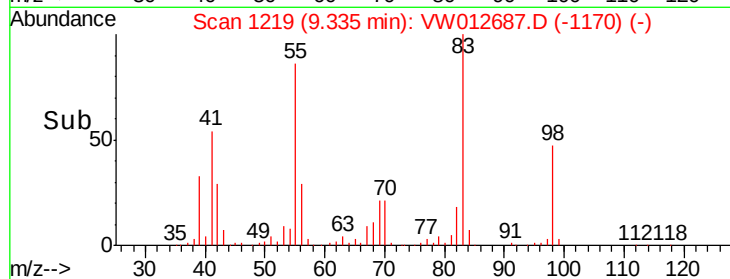
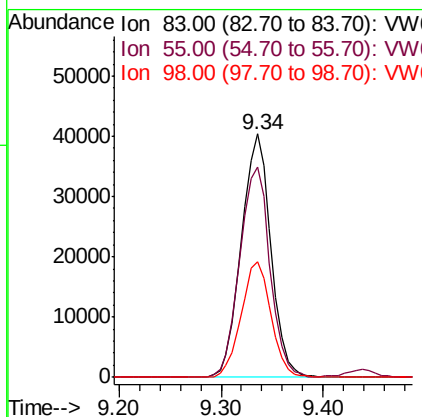
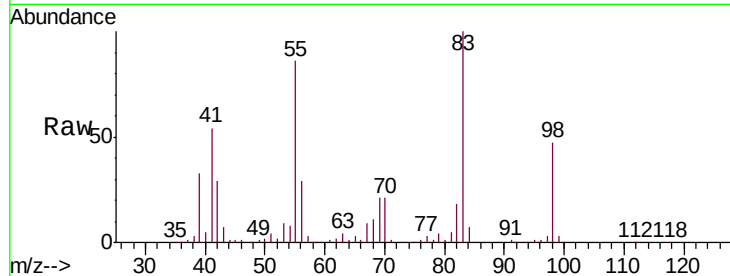
#39
Methylcyclohexane
Concen: 21.236 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.4	71.8	107.8
98	47.4	37.8	56.8

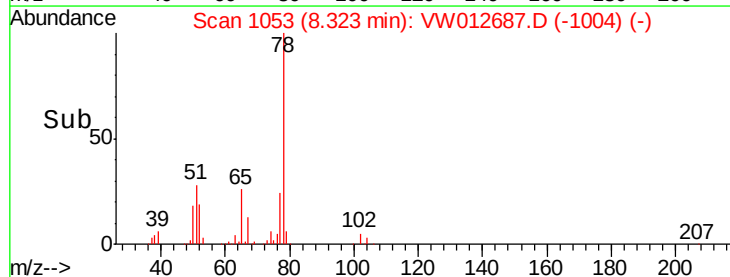
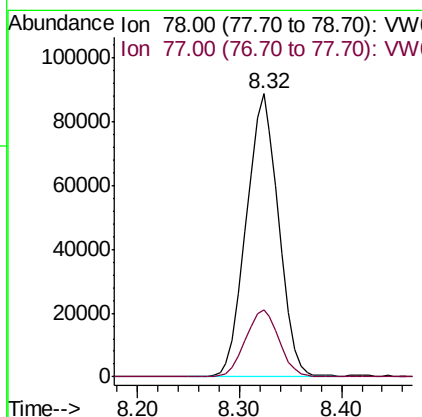
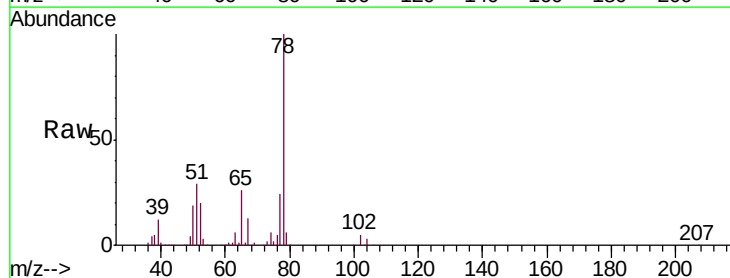
Manual Integrations
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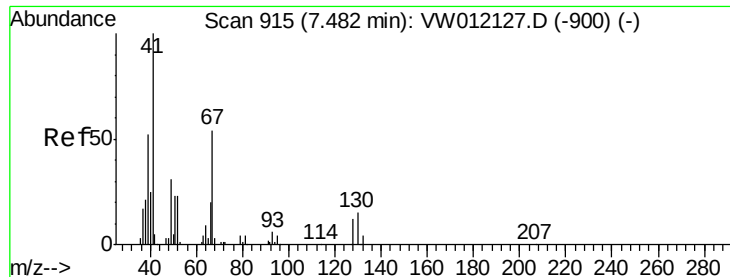
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#40
Benzene
Concen: 21.010 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





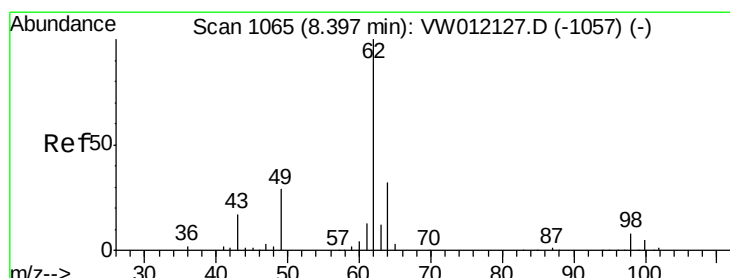
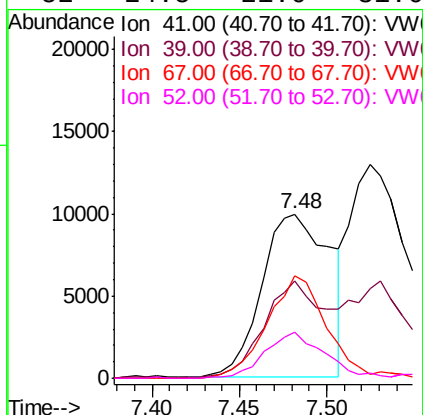
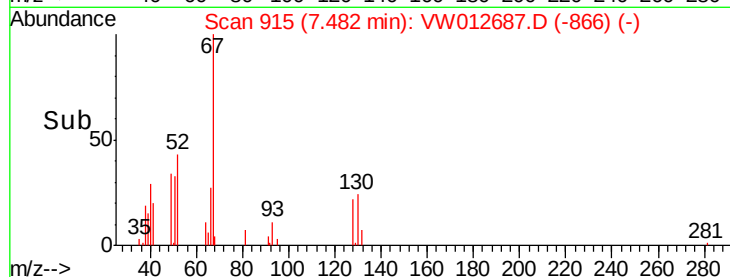
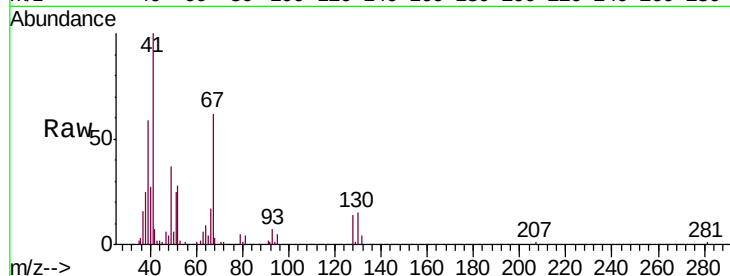
#41
Methacrylonitrile
Concen: 24.575 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	49.7	45.8	68.8
67	55.4	46.2	69.4
52	24.5	21.0	31.6

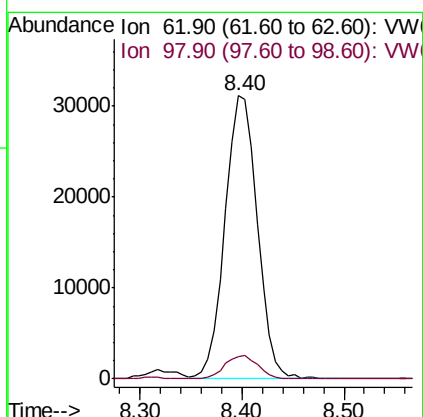
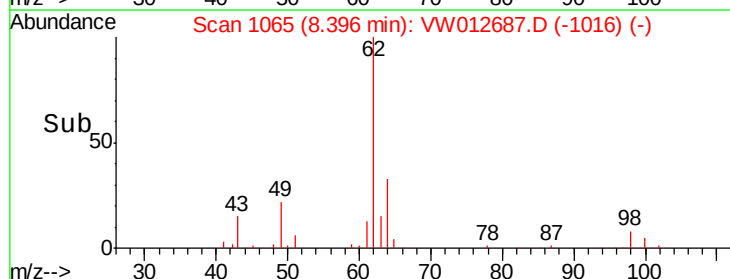
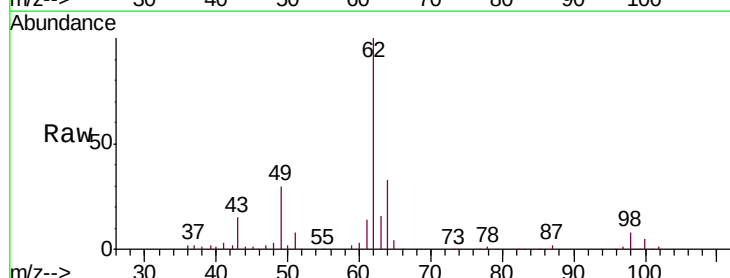
Manual Integrations
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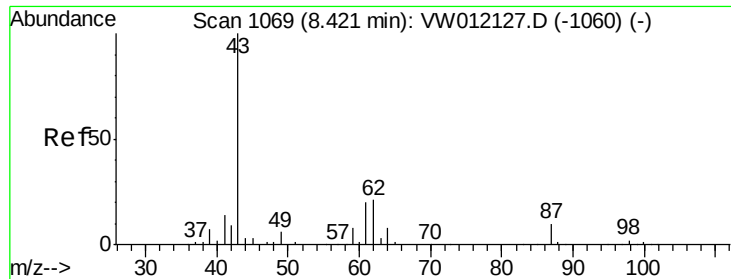
MMDadoda
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#42
1,2-Dichloroethane
Concen: 23.577 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 22.554 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

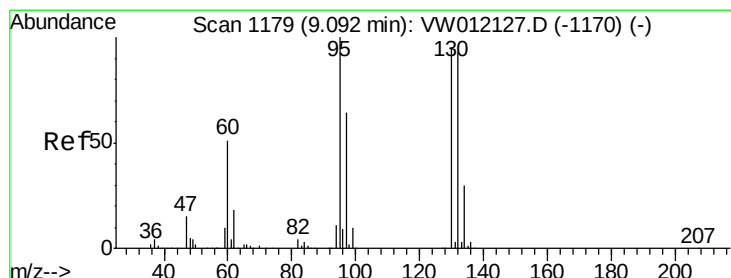
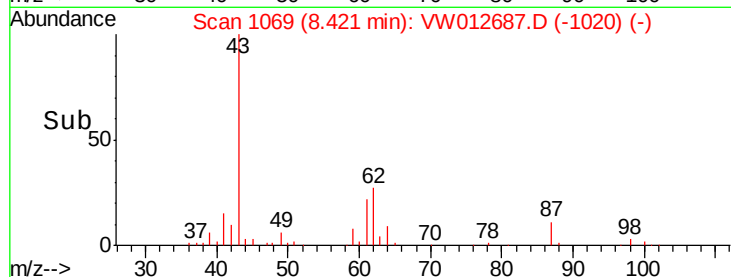
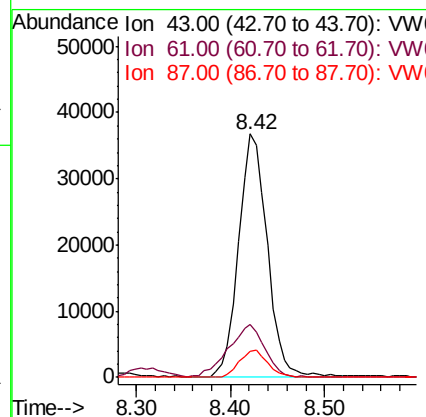
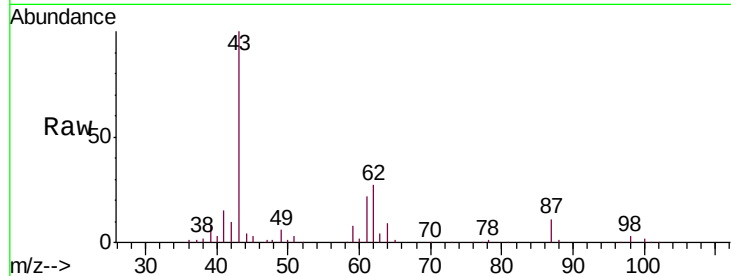
ClientSampleId :

VW0906SBS02

Tgt Ion:	43	Resp:	78028
Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.1	31.7
87	10.9	8.2	12.2

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#44

Trichloroethene

Concen: 22.082 ug/l

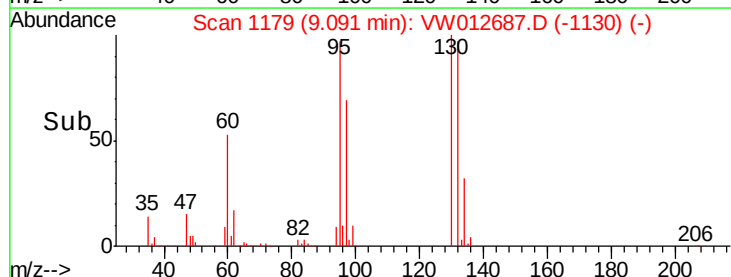
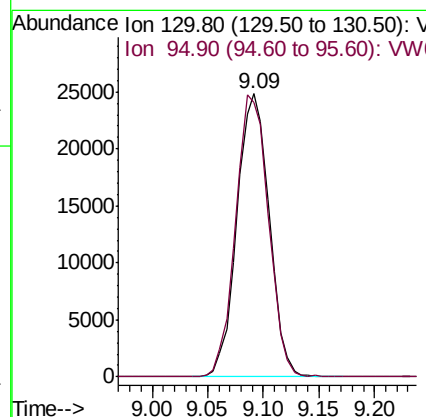
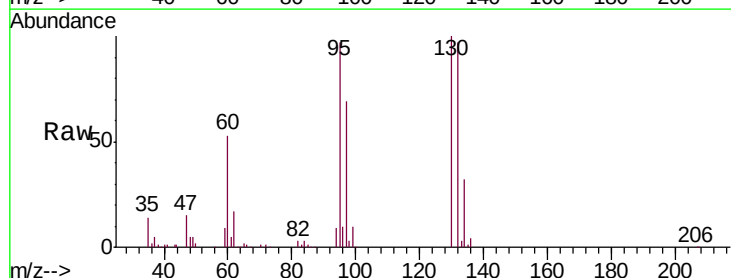
RT: 9.09 min Scan# 1179

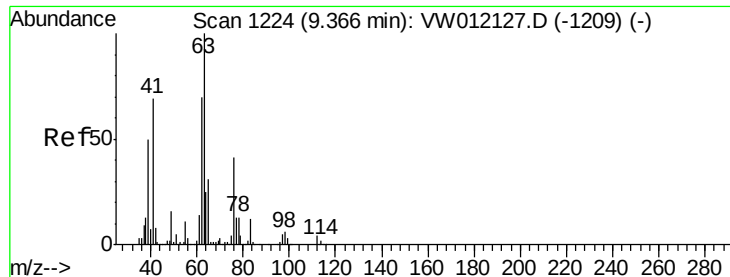
Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Tgt Ion:	130	Resp:	49958
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	210.6





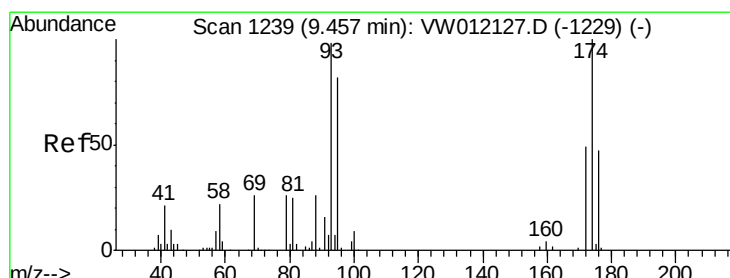
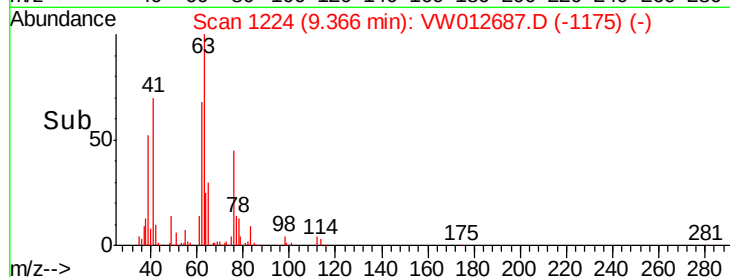
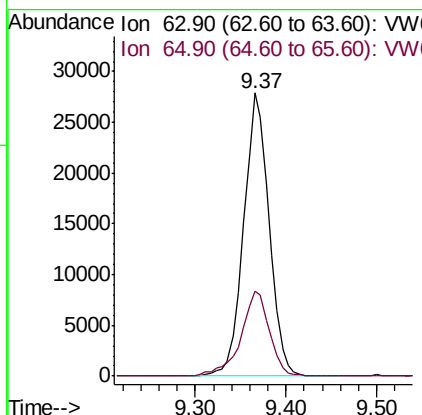
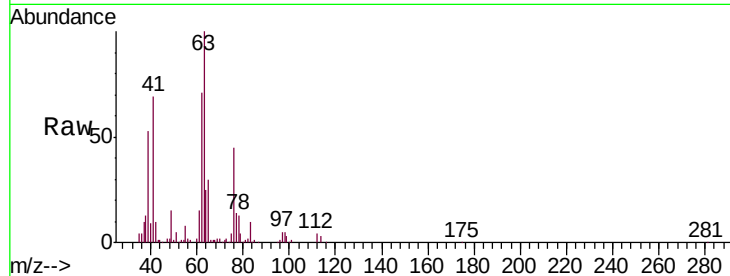
#45
 1,2-Dichloropropane
 Concen: 21.622 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion: 63 Resp: 54157
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.4

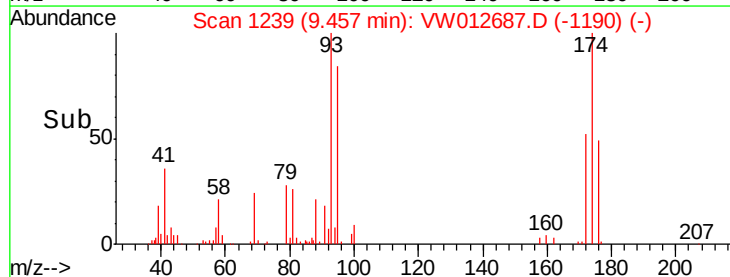
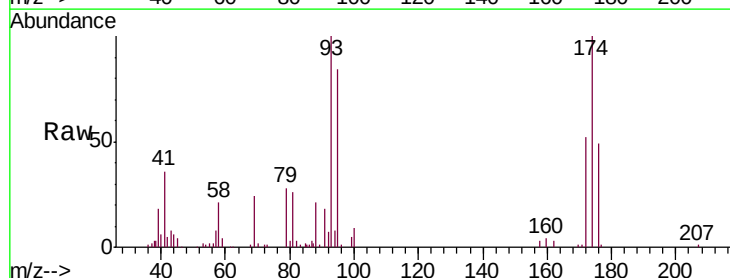
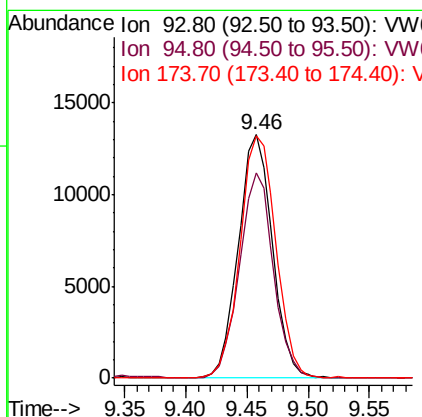
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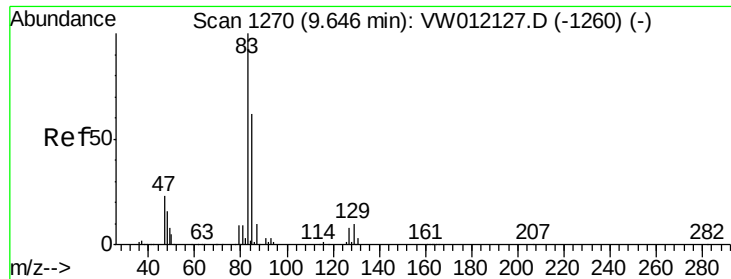
MMDadoda
 9/9/2019 4:45:11 AM



#46
 Dibromomethane
 Concen: 22.949 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion: 93 Resp: 25575
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.2 100.8
 174 105.2 79.0 118.6





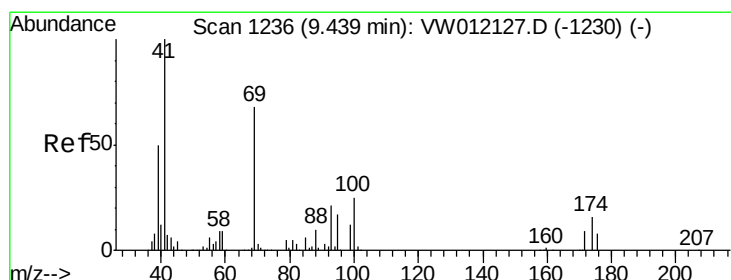
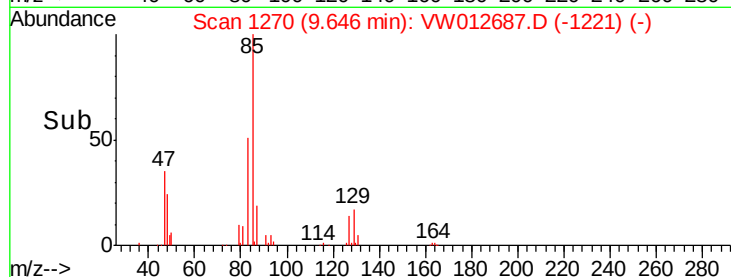
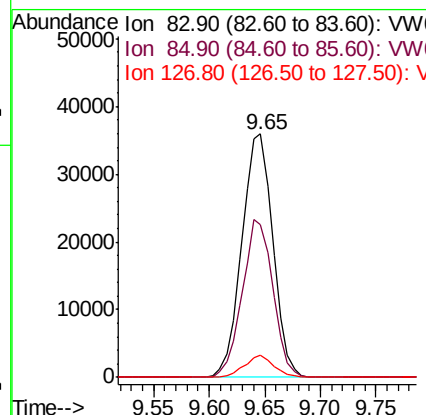
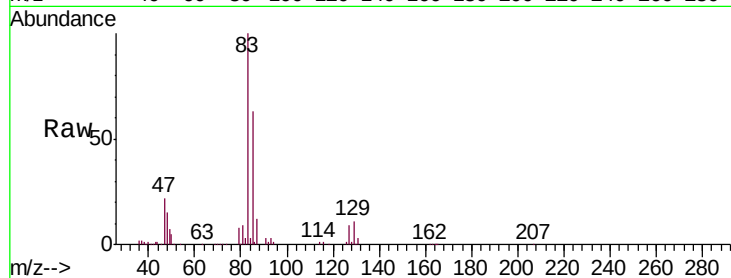
#47
Bromodichloromethane
Concen: 23.403 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.4	74.2
127	9.0	6.1	9.1

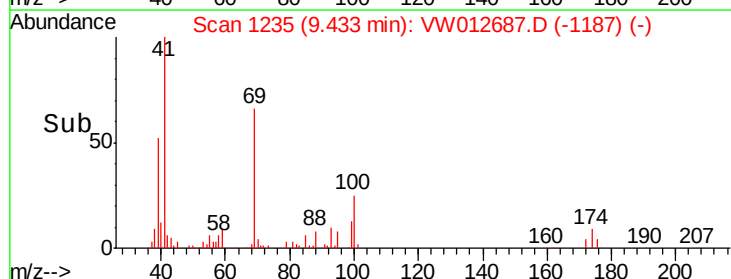
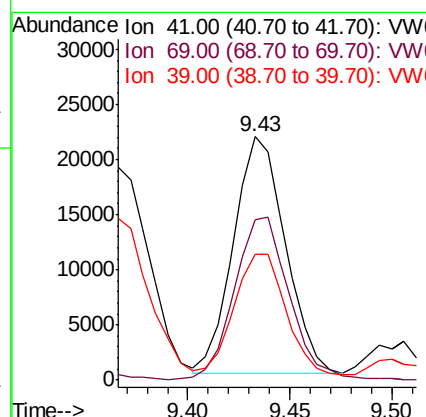
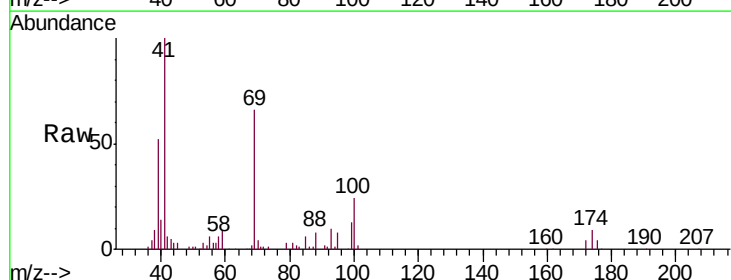
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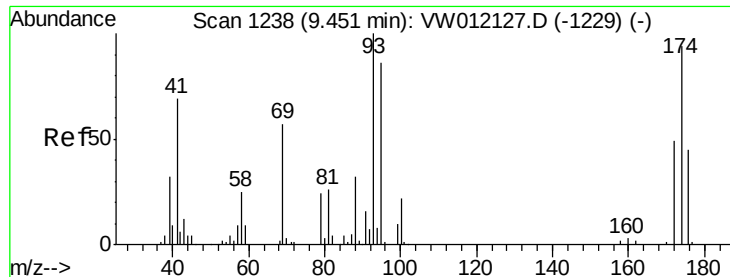
MMDadoda
9/9/2019 4:45:11 AM



#48
Methyl methacrylate
Concen: 22.925 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.7	56.7	85.1
39	55.6	42.0	63.0





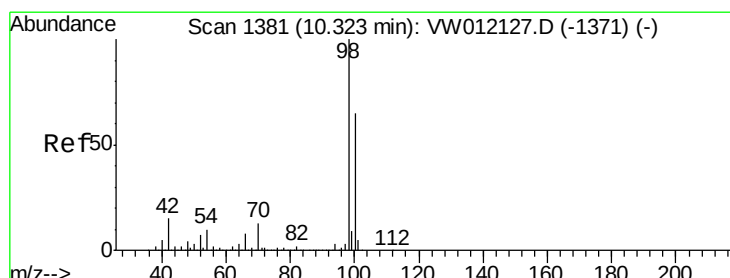
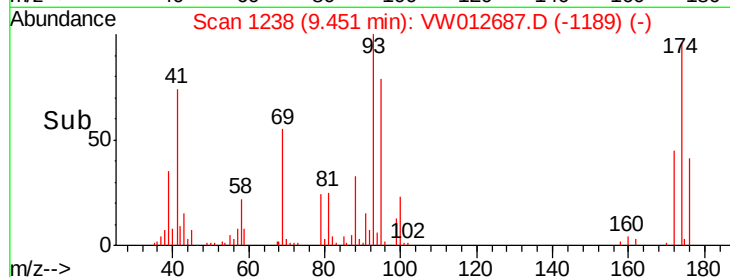
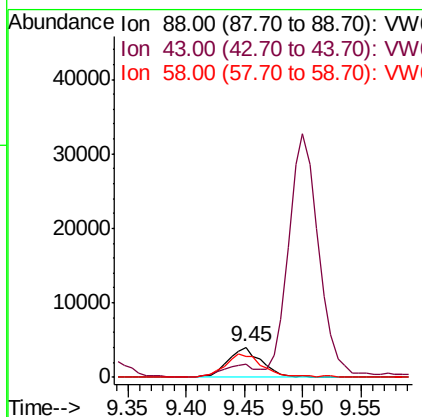
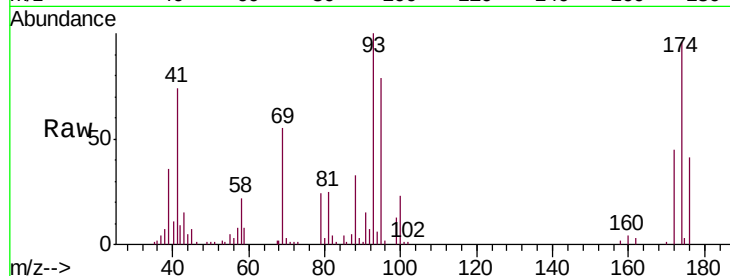
#49
1,4-Dioxane
Concen: 470.736 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.9	32.9	49.3
58	82.5	71.0	106.4

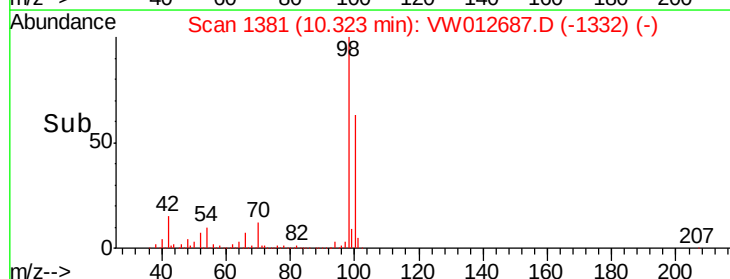
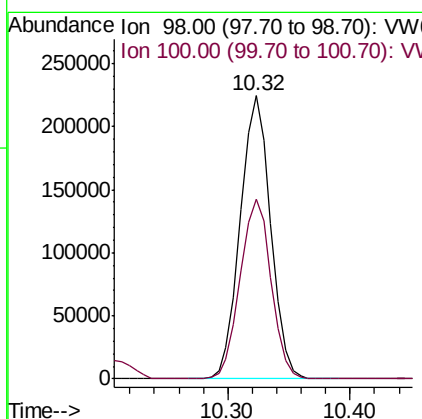
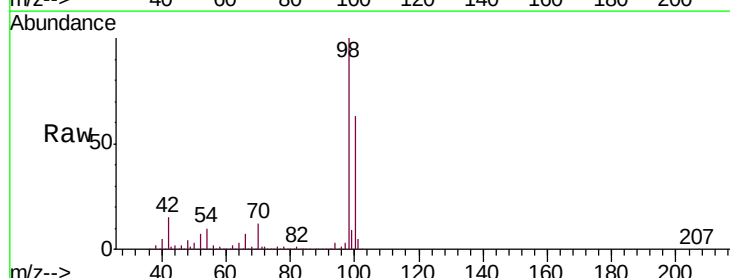
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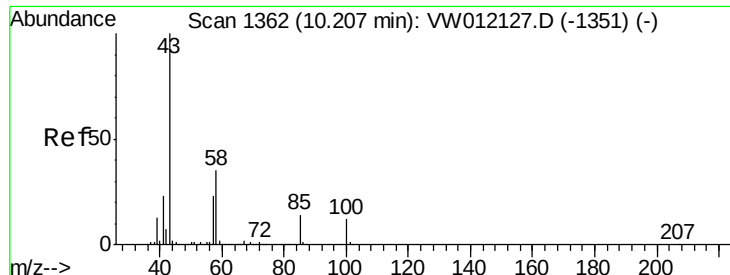
MMDadoda
9/9/2019 4:45:11 AM



#50
Toluene-d8
Concen: 48.563 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.4	78.6





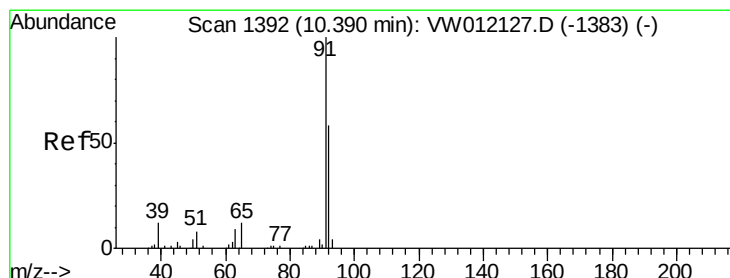
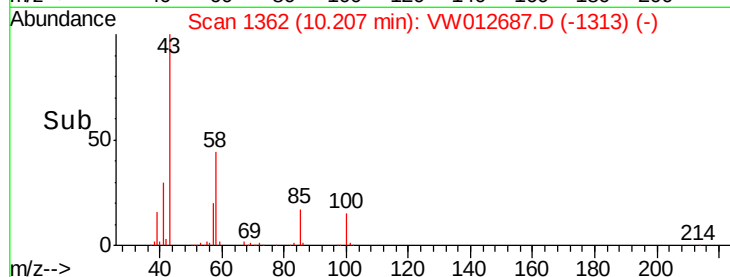
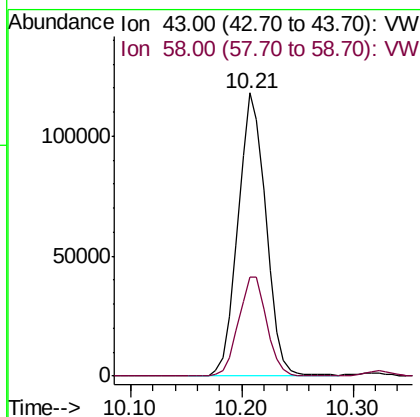
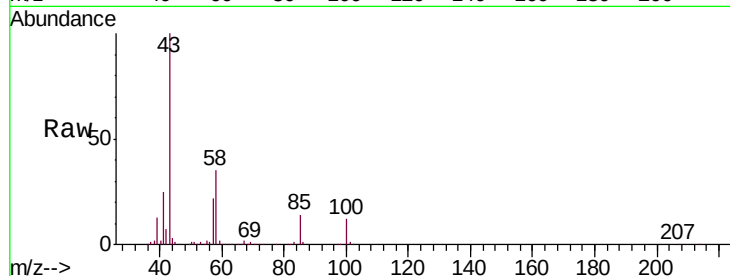
#51
 4-Methyl-2-Pentanone
 Concen: 116.089 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBSD02

Tgt Ion: 43 Resp: 204277
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.2 42.2

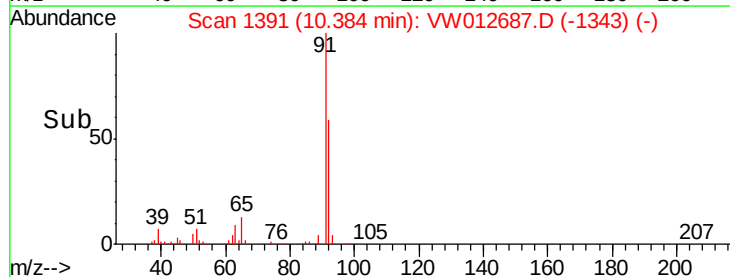
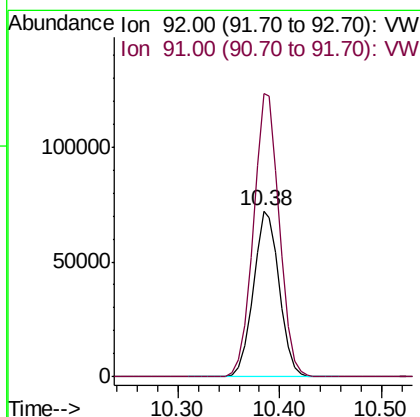
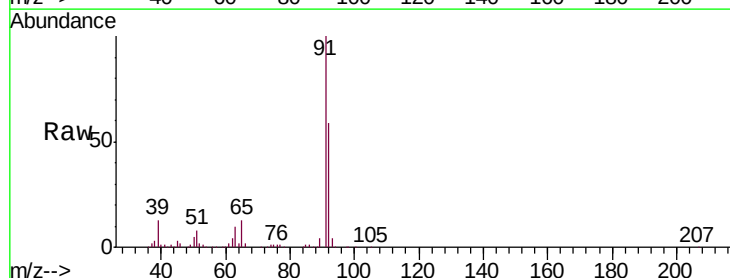
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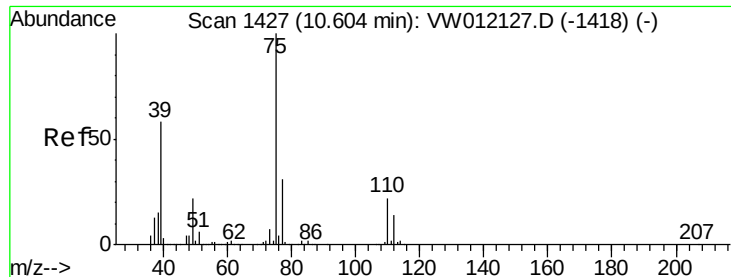
MMDadoda
 9/9/2019 4:45:11 AM



#52
 Toluene
 Concen: 22.824 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion: 92 Resp: 127607
 Ion Ratio Lower Upper
 92 100
 91 171.0 136.6 204.8





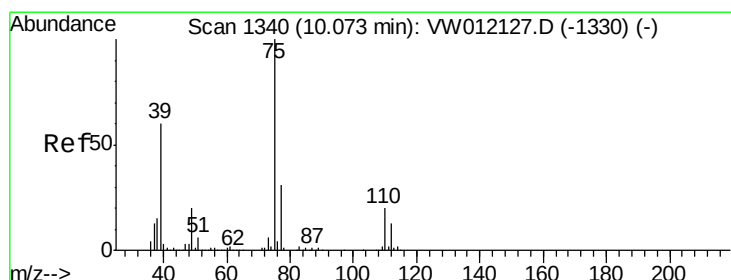
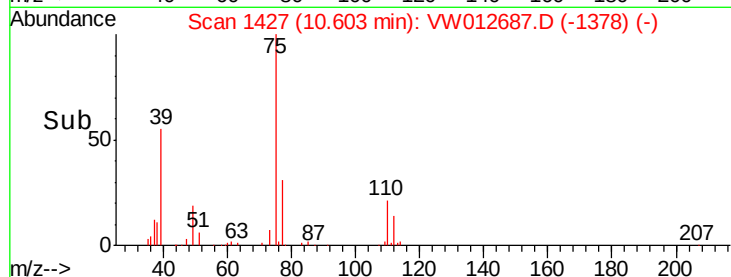
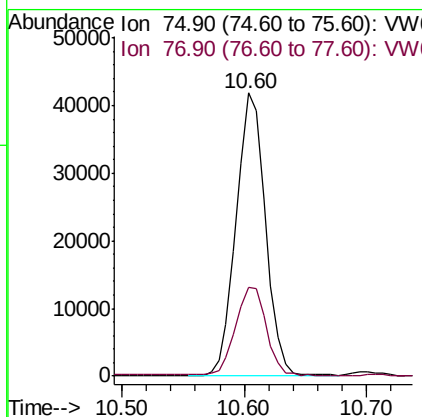
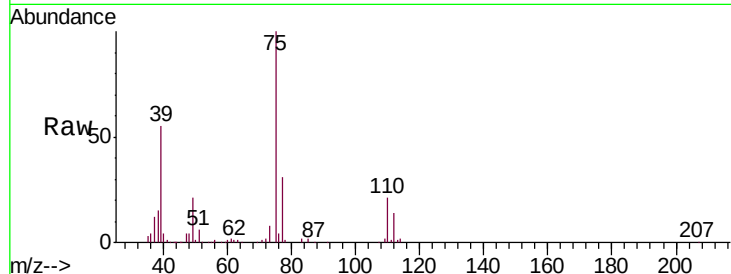
#53
 t-1,3-Dichloropropene
 Concen: 23.075 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion: 75 Resp: 69714
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.4

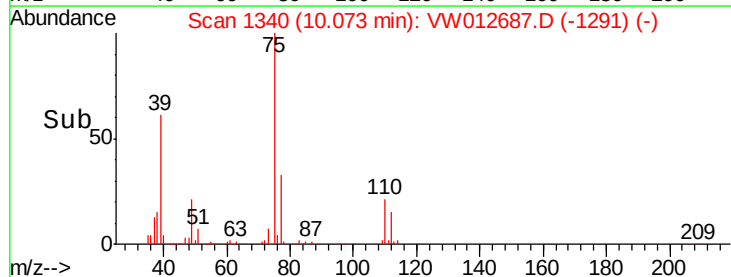
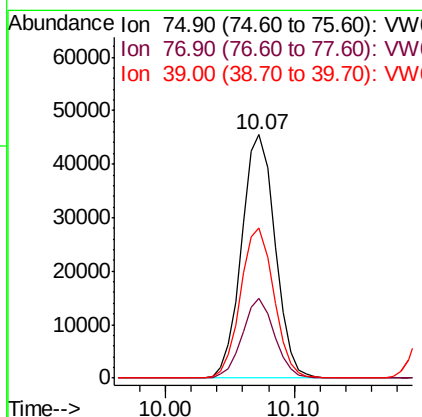
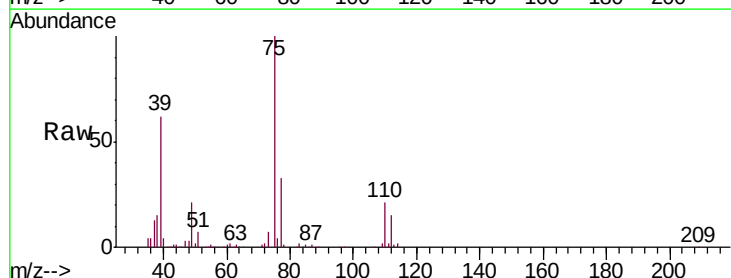
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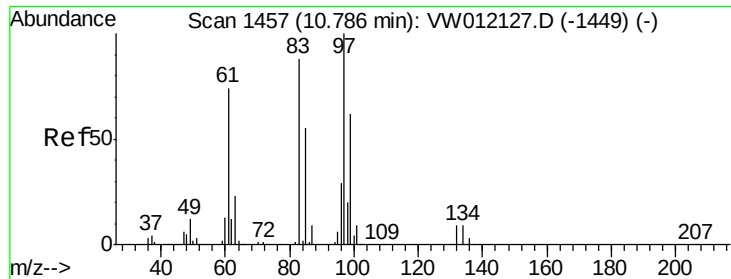
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#54
 cis-1,3-Dichloropropene
 Concen: 22.437 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion: 75 Resp: 81849
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.1 37.7
 39 61.6 48.3 72.5





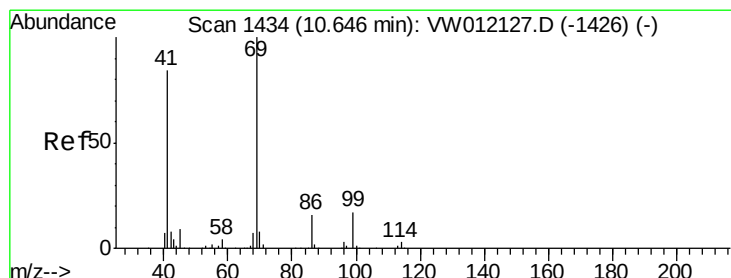
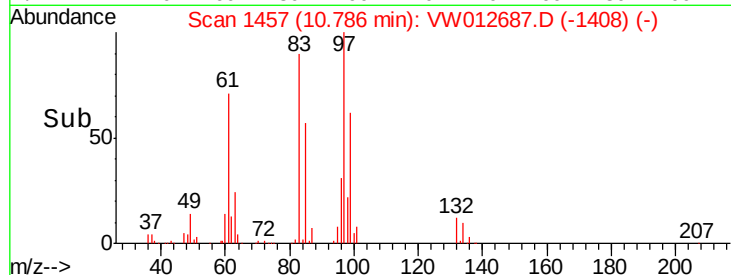
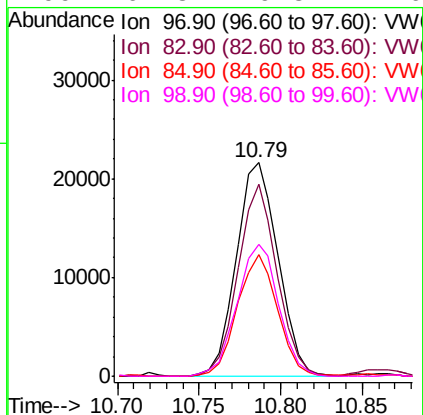
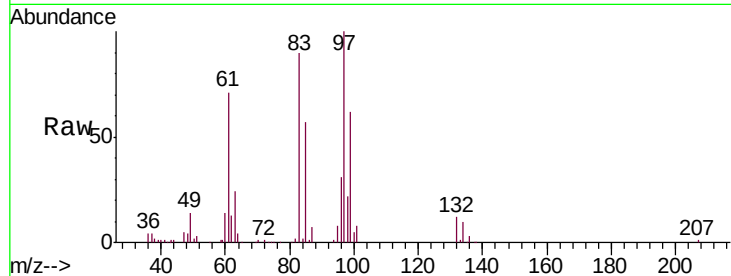
#55
 1,1,2-Trichloroethane
 Concen: 24.321 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion:	97	Resp:	38348
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.8	106.2
85	56.6	43.8	65.8
99	61.8	49.8	74.6

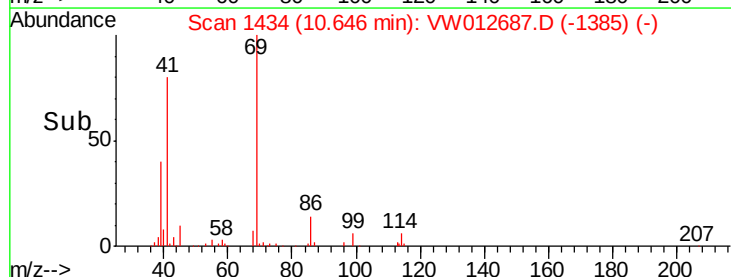
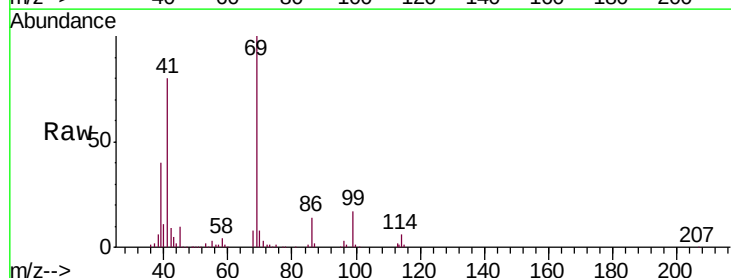
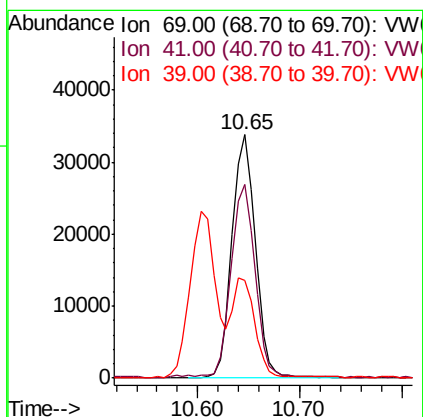
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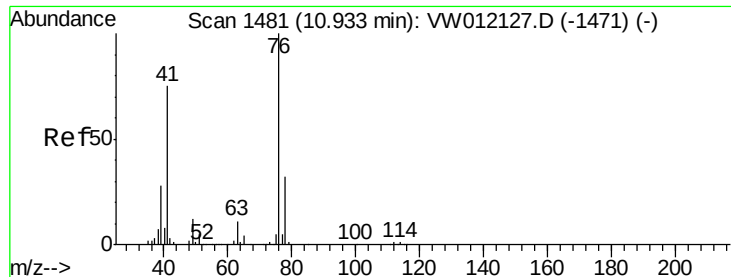
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 23.442 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion:	69	Resp:	53795
Ion	Ratio	Lower	Upper
69	100		
41	80.4	66.5	99.7
39	38.2	31.0	46.4





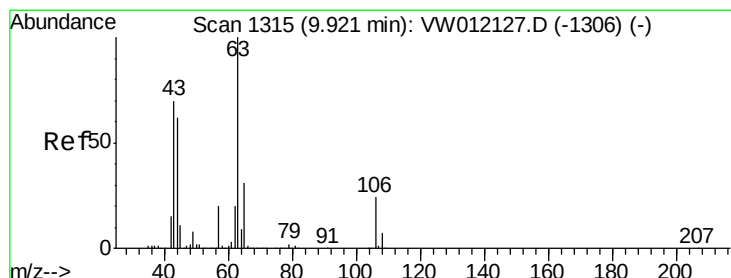
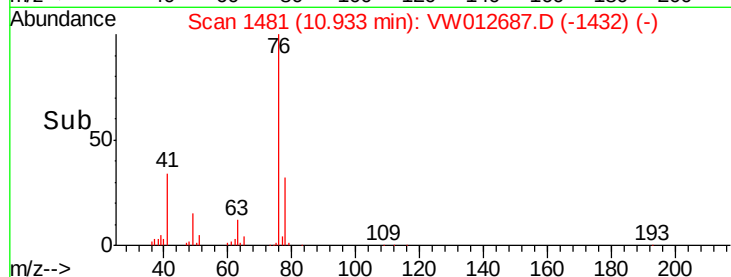
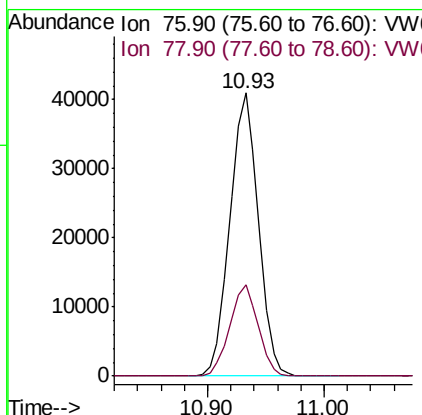
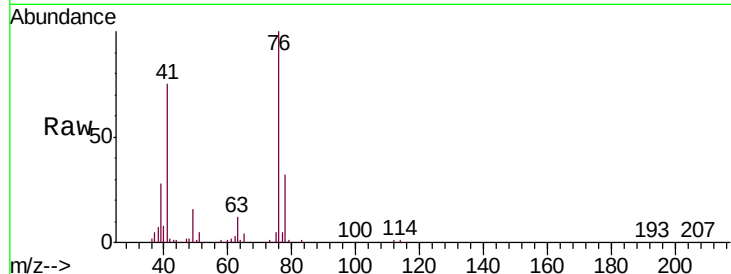
#57
 1,3-Dichloropropane
 Concen: 23.416 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion: 76 Resp: 69773
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

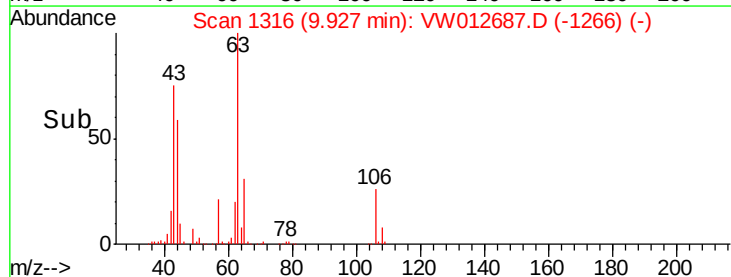
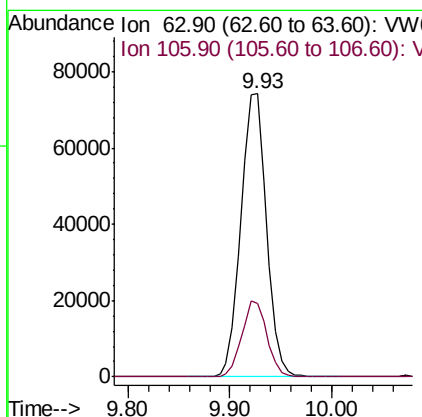
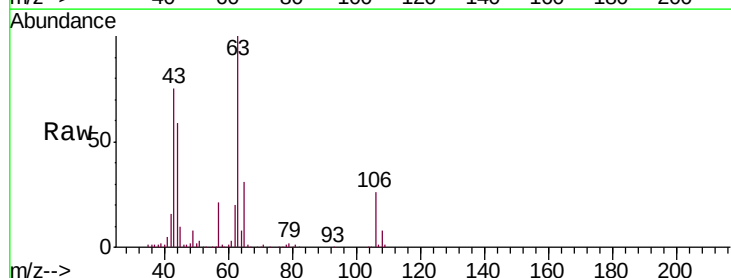
Manual Integrations
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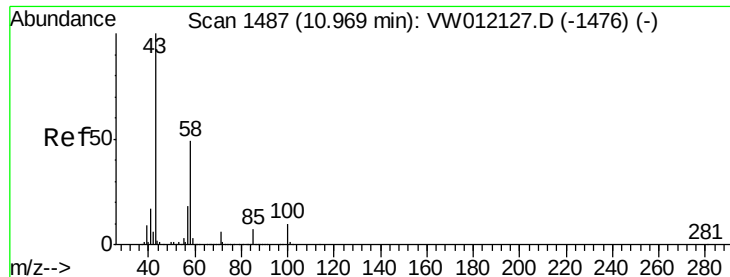
MMDadoda
 9/9/2019 4:45:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.855 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion: 63 Resp: 129383
 Ion Ratio Lower Upper
 63 100
 106 26.3 19.8 29.8





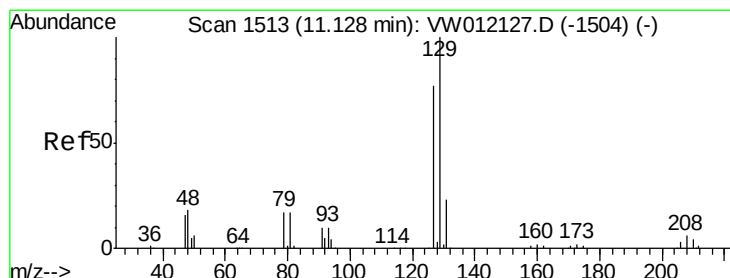
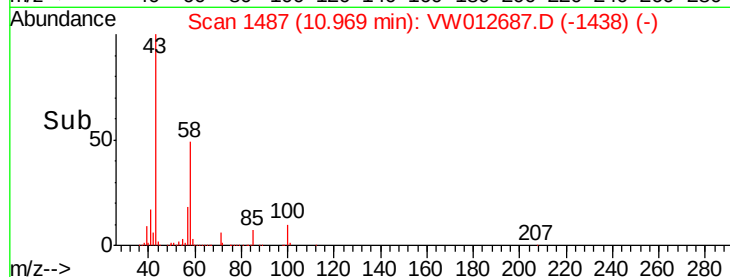
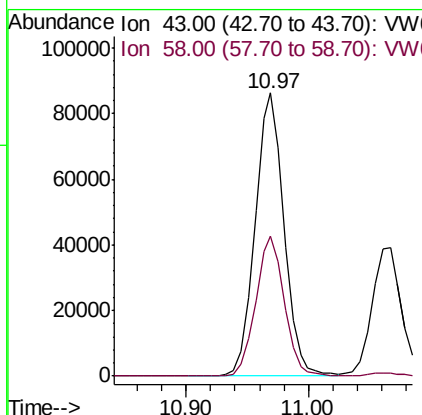
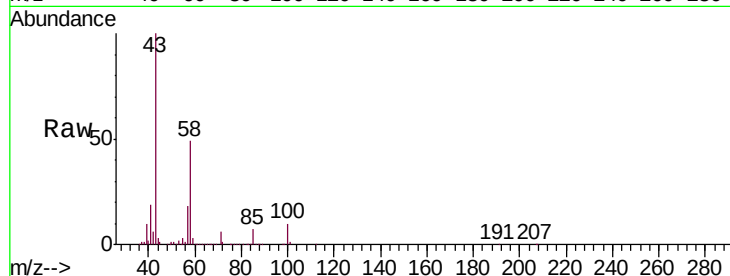
#59
2-Hexanone
Concen: 113.993 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion: 43 Resp: 141929
Ion Ratio Lower Upper
43 100
58 48.9 24.3 72.9

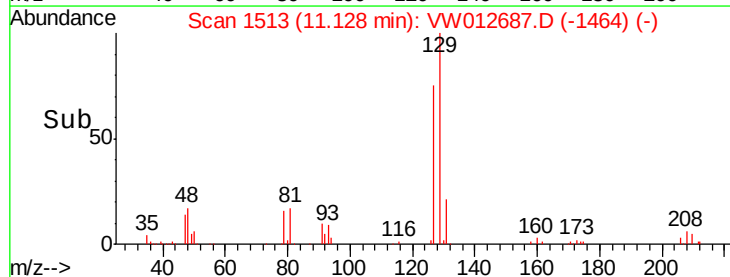
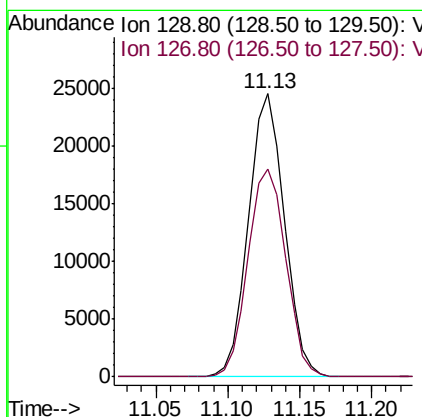
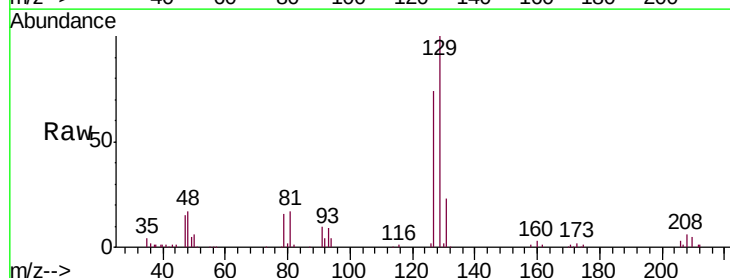
Manual Integrations
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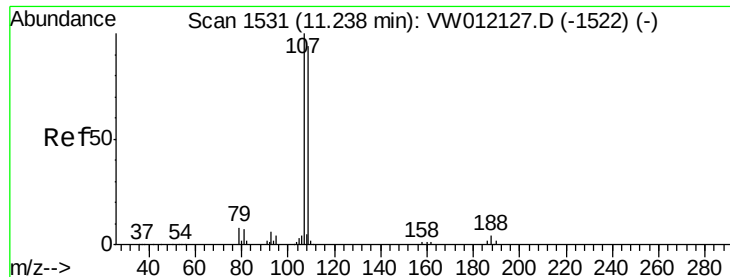
MMDadoda
9/9/2019 4:45:11 AM



#60
Dibromochloromethane
Concen: 24.103 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion: 129 Resp: 42330
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 23.346 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS02

Tgt Ion: 107 Resp: 34294

Ion Ratio Lower Upper

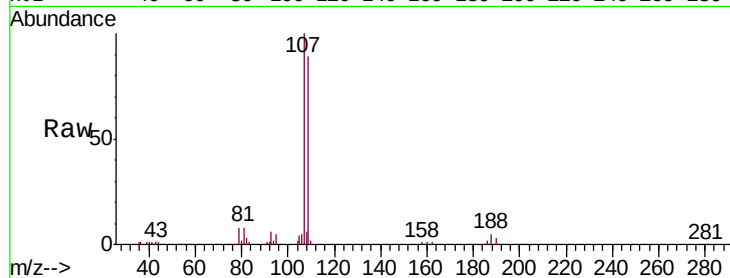
107 100

109 92.7 75.4 113.2

Manual Integrations
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9/9/2019 4:45:11 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

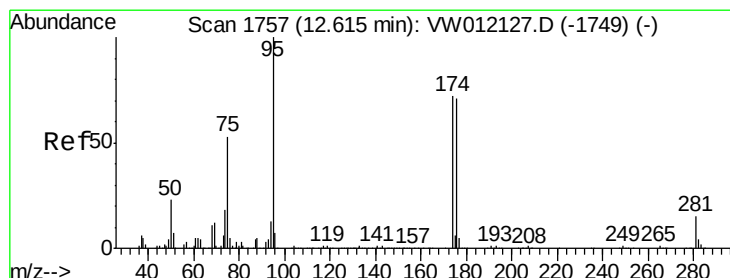
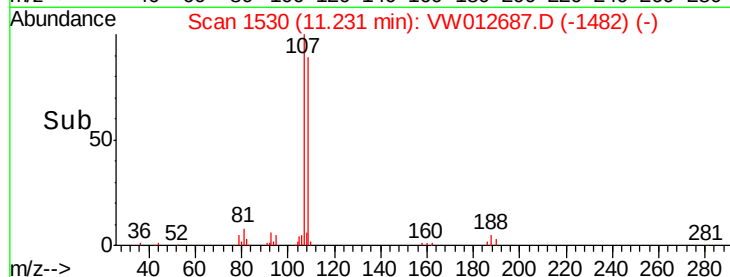
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.925 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

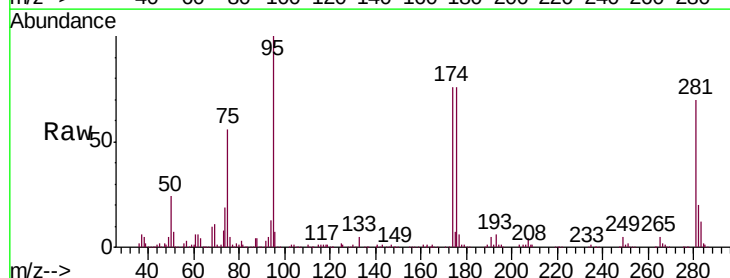
Tgt Ion: 95 Resp: 137669

Ion Ratio Lower Upper

95 100

174 80.6 0.0 150.8

176 79.1 0.0 148.6



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

12.62

120000

100000

80000

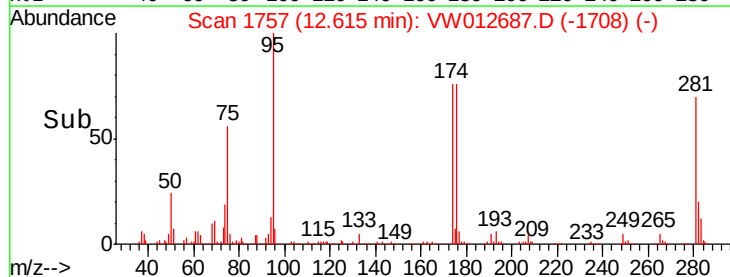
60000

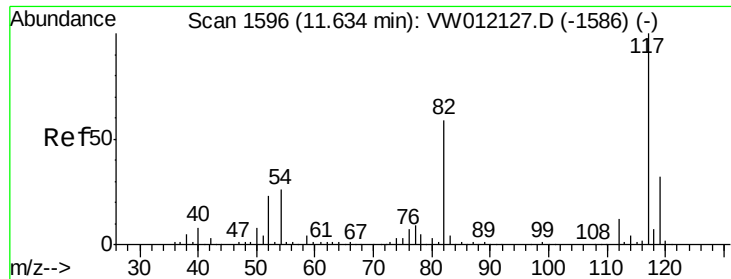
40000

20000

0

Time-->





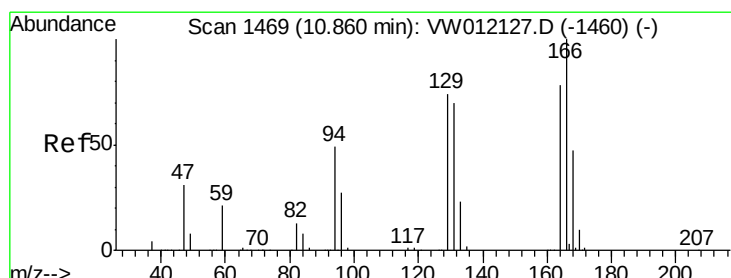
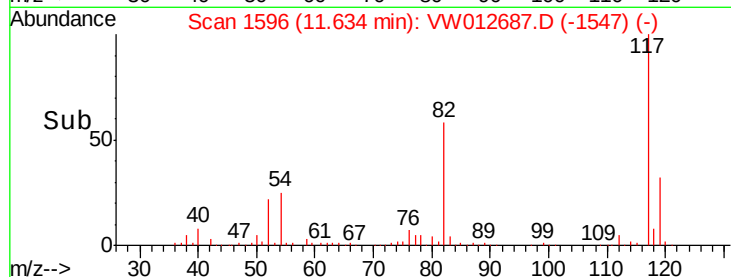
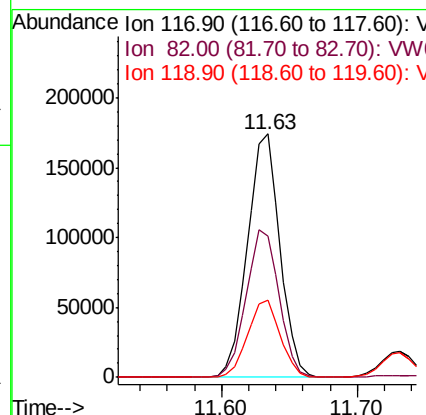
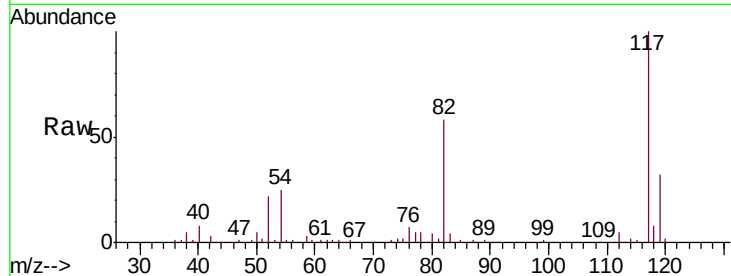
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	290414		
82	58.1	47.4	71.2	
119	31.6	25.4	38.2	

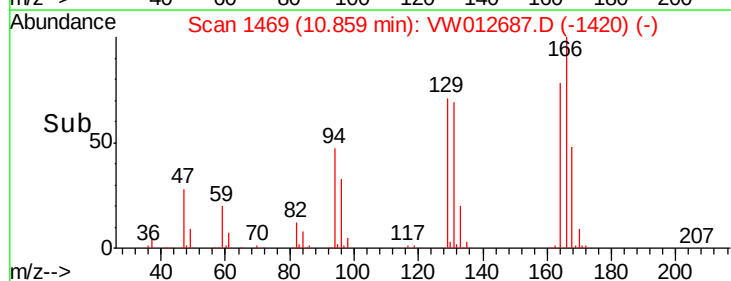
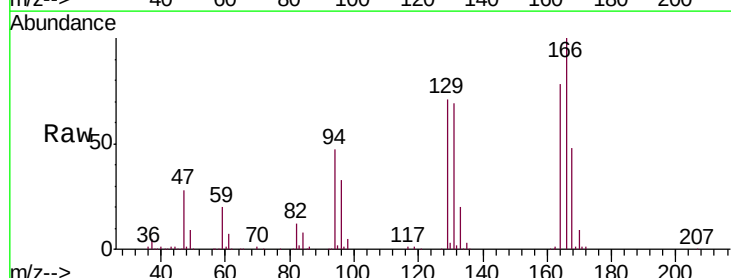
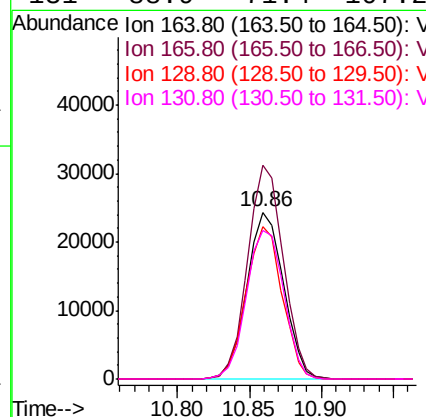
Manual Integrations
APPROVED

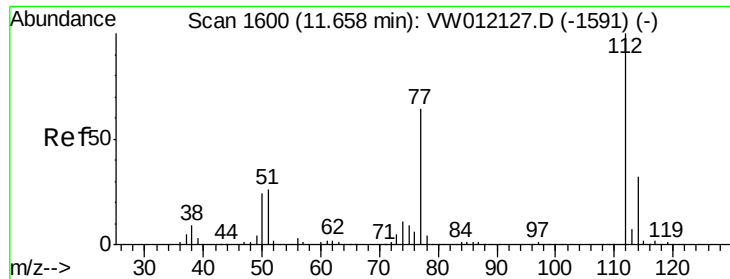
MMDadoda
9/9/2019 4:45:11 AM



#64
Tetrachloroethene
Concen: 22.754 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42843		
166	128.3	102.4	153.6	
129	91.5	75.8	113.6	
131	88.9	71.4	107.2	





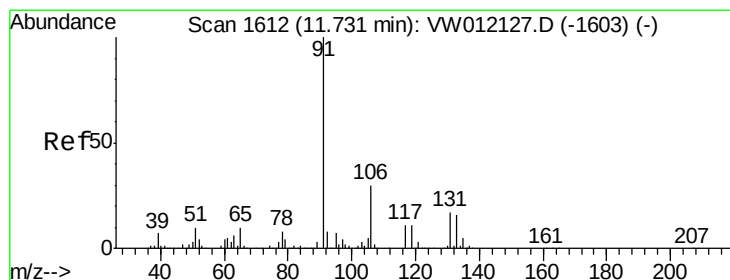
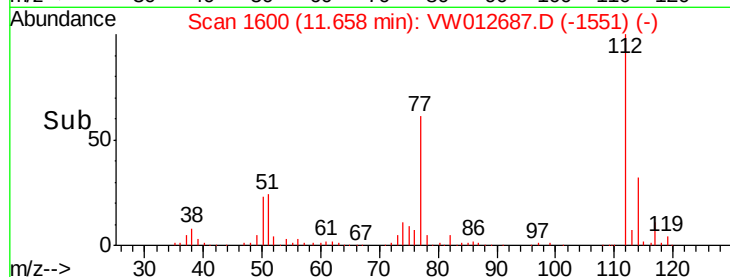
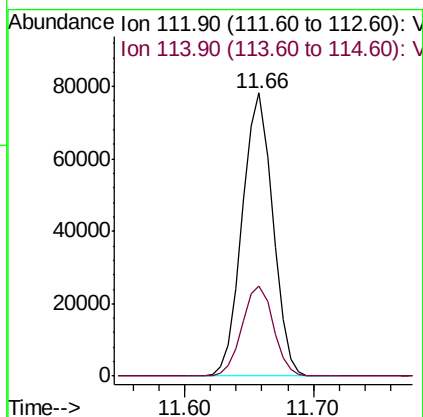
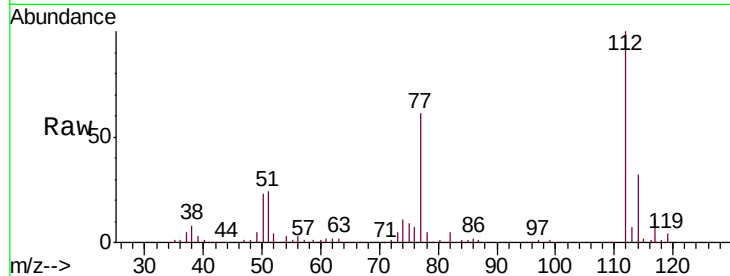
#65
Chlorobenzene
Concen: 22.463 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBSD02

Tgt Ion:112 Resp: 128454
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

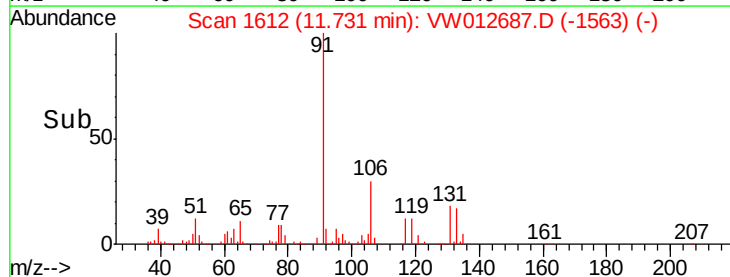
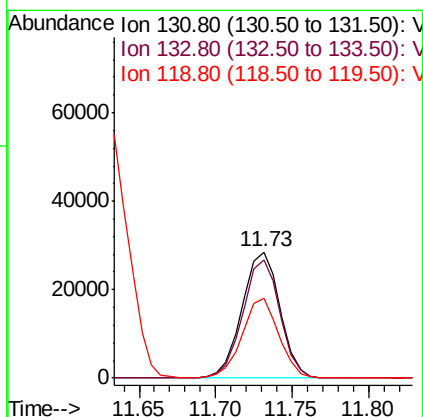
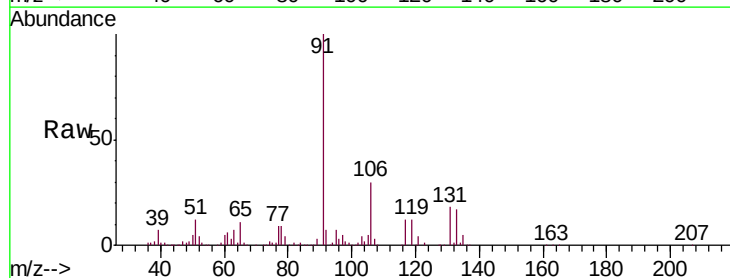
Manual Integrations
APPROVED

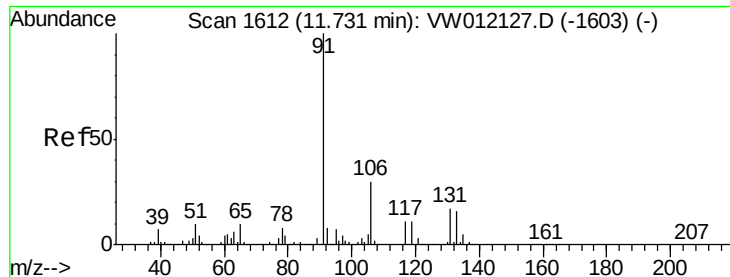
MMDadoda
9/9/2019 4:45:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.626 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion:131 Resp: 49128
Ion Ratio Lower Upper
131 100
133 91.8 47.1 141.3
119 61.5 31.8 95.3





#67

Ethyl Benzene

Concen: 22.434 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBSD02

Tgt Ion: 91 Resp: 247132

Ion Ratio Lower Upper

91 100

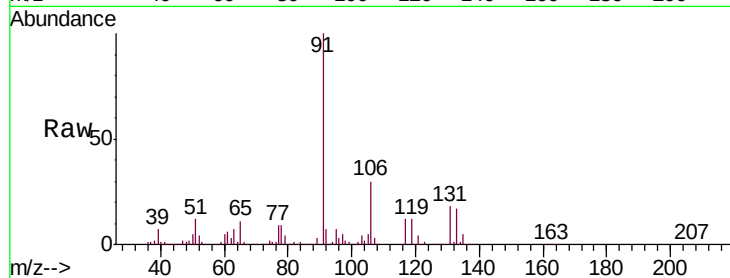
106 30.2 24.3 36.5

Manual Integrations

APPROVED

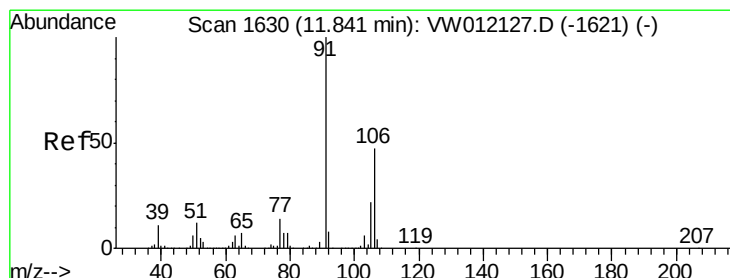
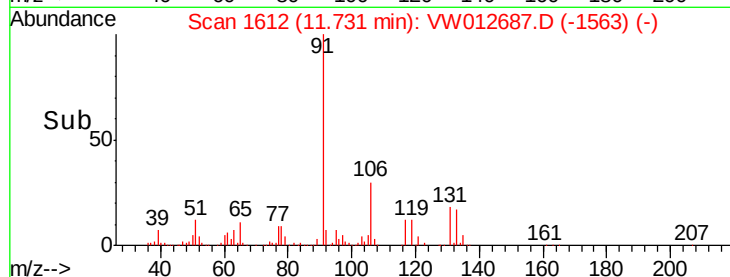
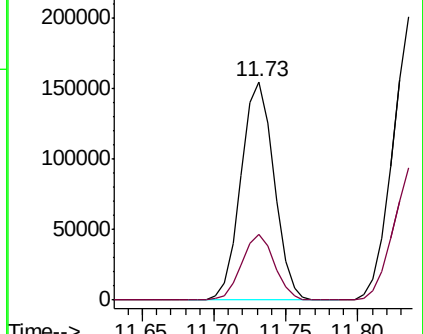
MMDadoda

9/9/2019 4:45:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.478 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012687.D

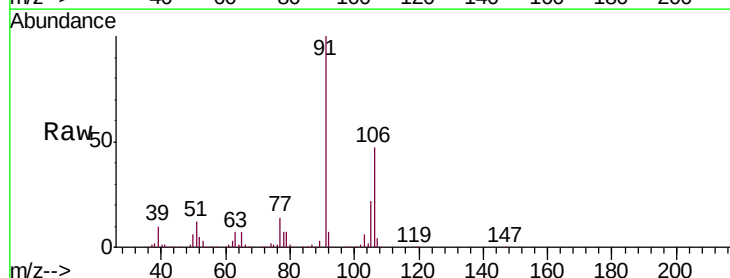
Acq: 06 Sep 2019 13:24

Tgt Ion: 106 Resp: 180458

Ion Ratio Lower Upper

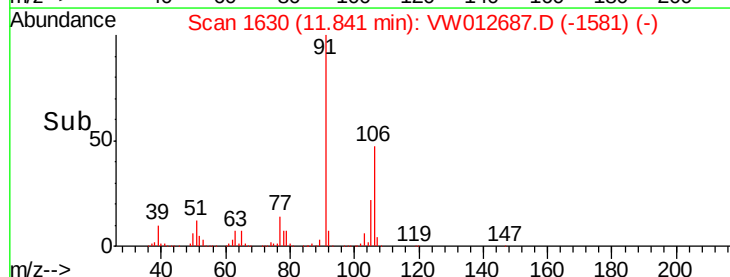
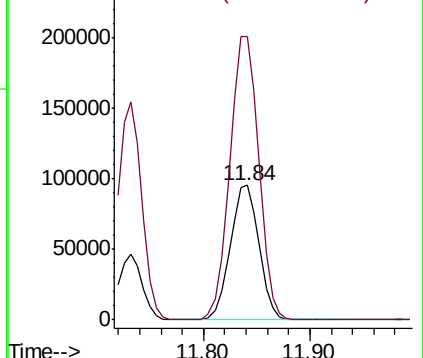
106 100

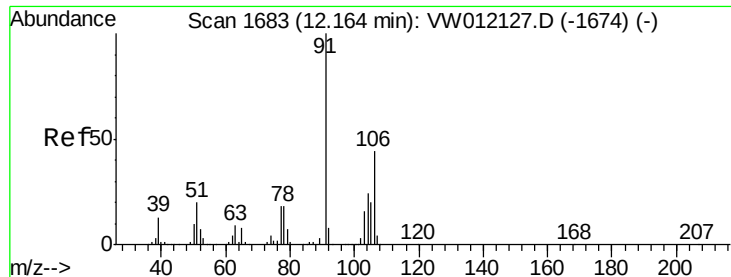
91 213.2 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





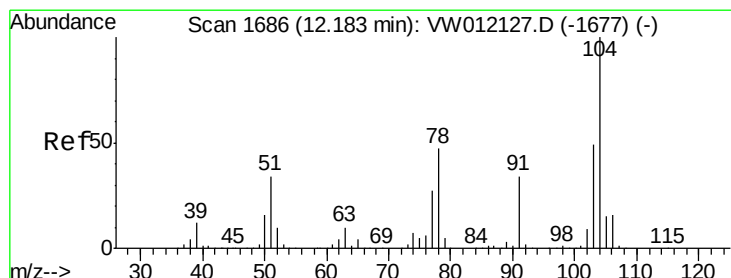
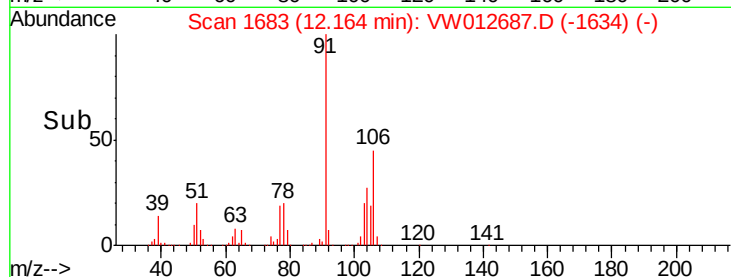
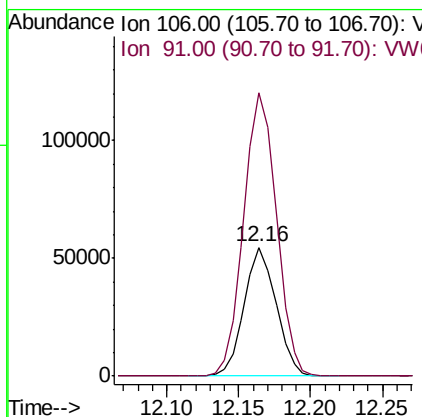
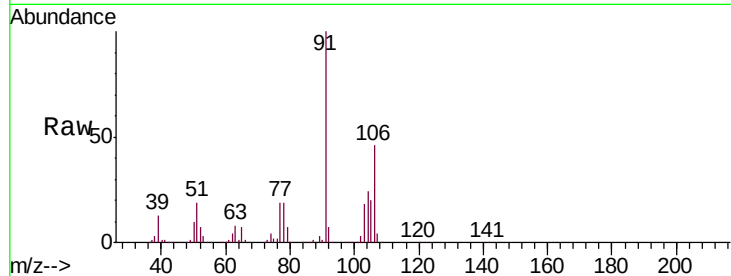
#69
o-Xylene
Concen: 22.903 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion:106 Resp: 84111
Ion Ratio Lower Upper
106 100
91 226.2 111.6 334.6

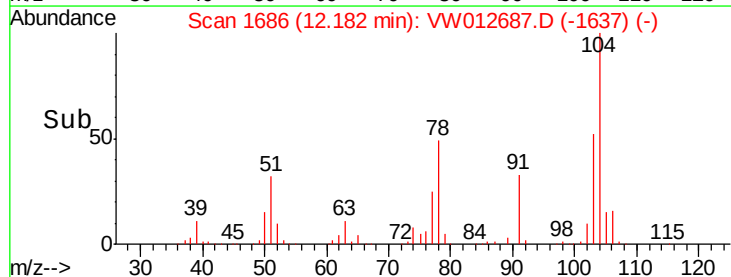
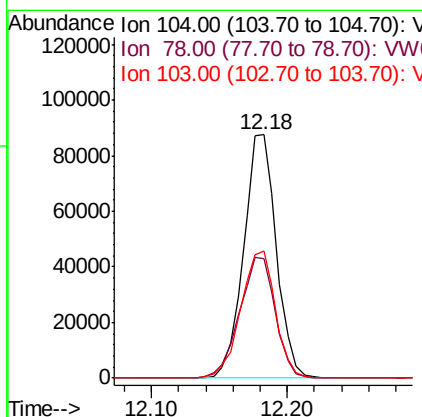
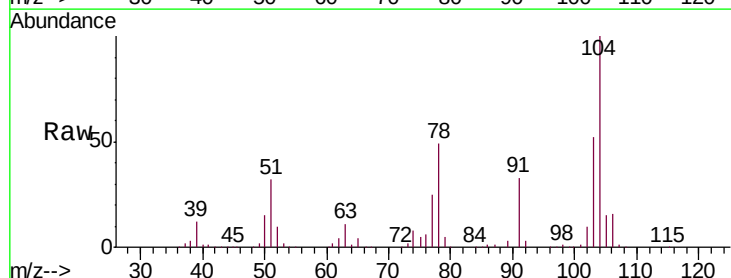
Manual Integrations
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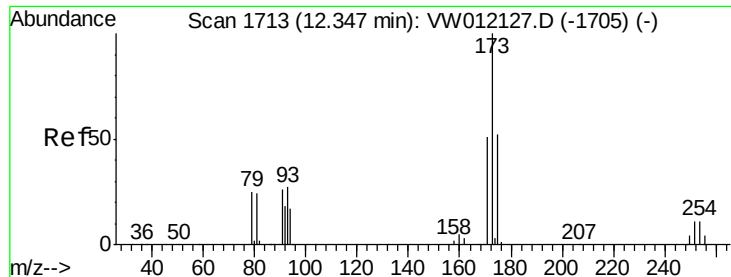
MMDadoda
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#70
Styrene
Concen: 23.073 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion:104 Resp: 146667
Ion Ratio Lower Upper
104 100
78 54.3 43.1 64.7
103 55.5 43.5 65.3





#71

Bromoform

Concen: 25.070 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS02

Tgt Ion:173 Resp: 24918

Ion Ratio Lower Upper

173 100

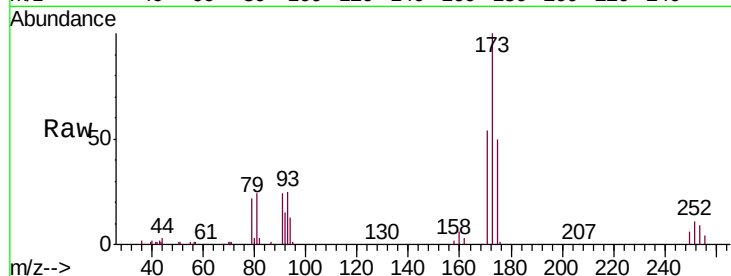
175 48.1 24.6 74.0

254 0.0 0.2 0.2#

Manual Integrations
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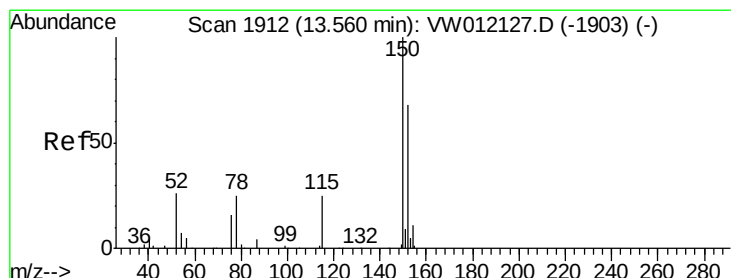
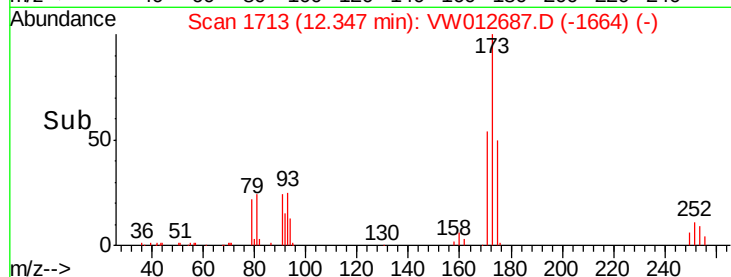
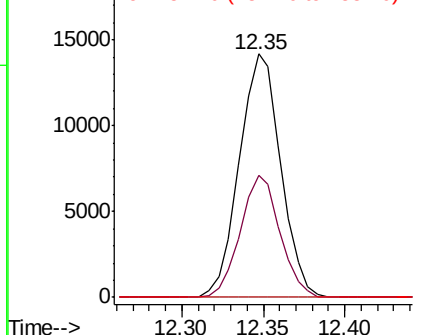
9/9/2019 4:45:11 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

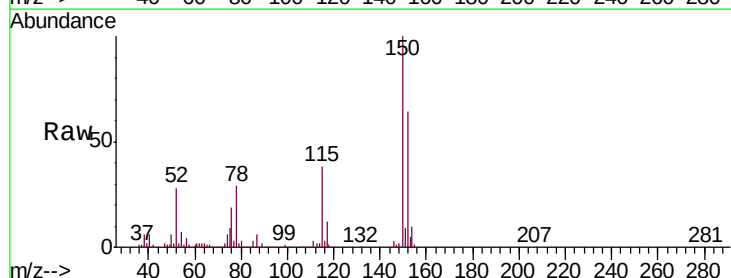
Tgt Ion:152 Resp: 146591

Ion Ratio Lower Upper

152 100

115 59.0 30.1 90.3

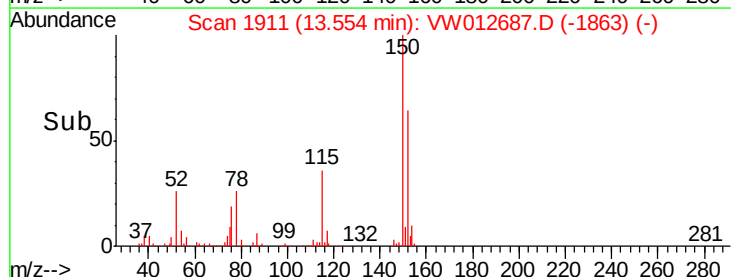
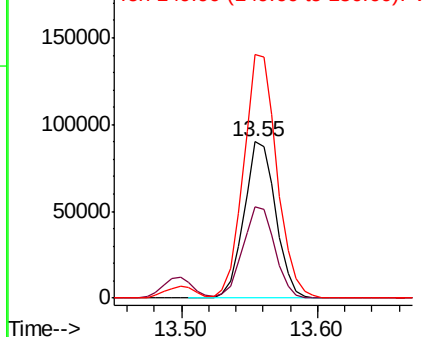
150 163.6 0.0 345.8

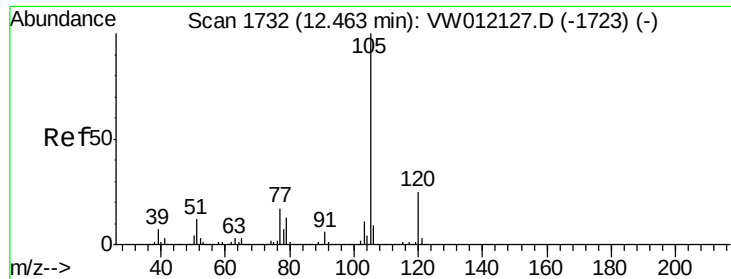


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.182 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBS02

Tgt Ion: 105 Resp: 243653

Ion Ratio Lower Upper

105 100

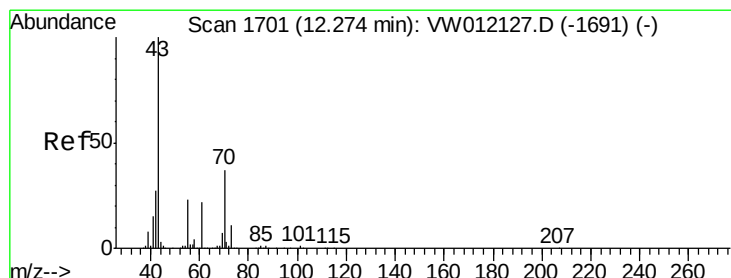
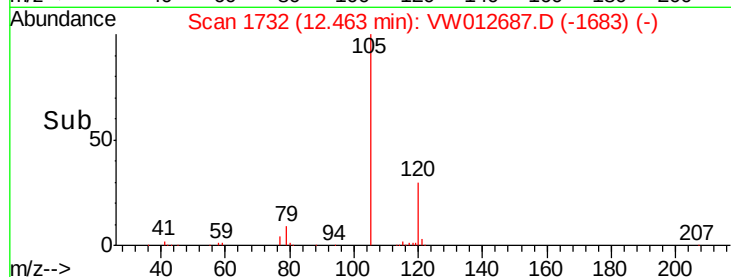
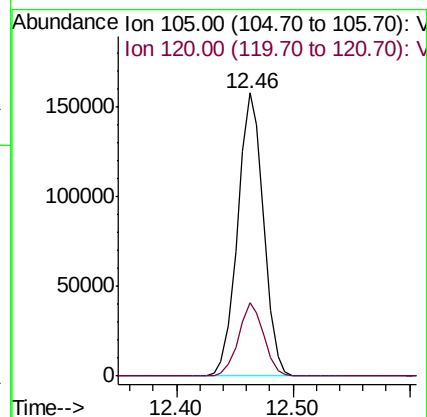
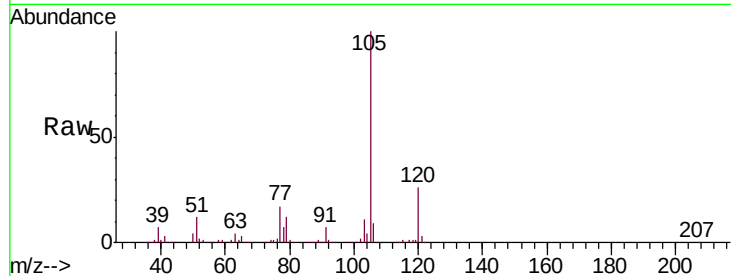
120 25.3 12.5 37.5

Manual Integrations

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9/9/2019 4:45:11 AM



#74

N-ethyl acetate

Concen: 21.596 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Tgt Ion: 43 Resp: 71671

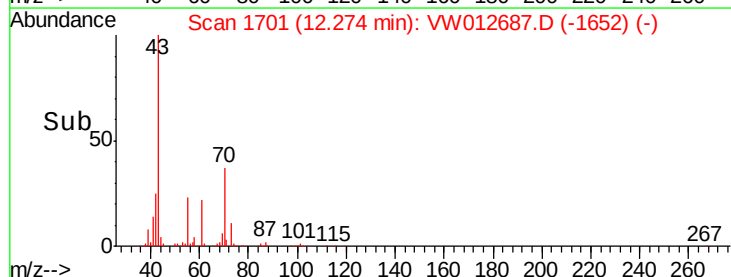
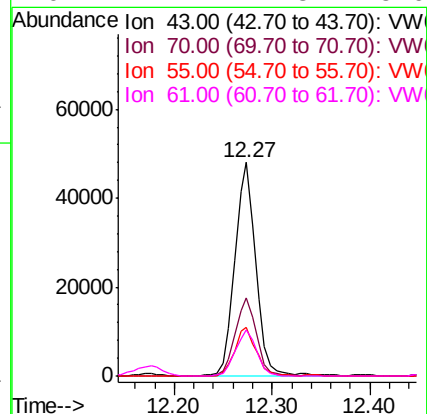
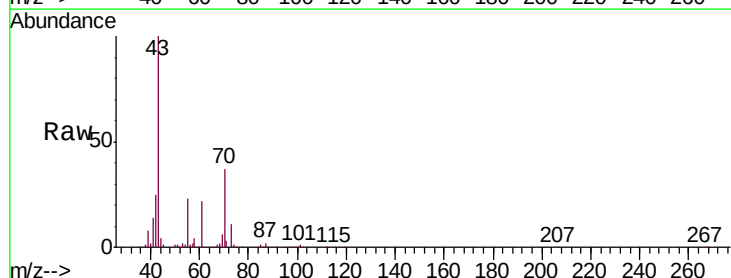
Ion Ratio Lower Upper

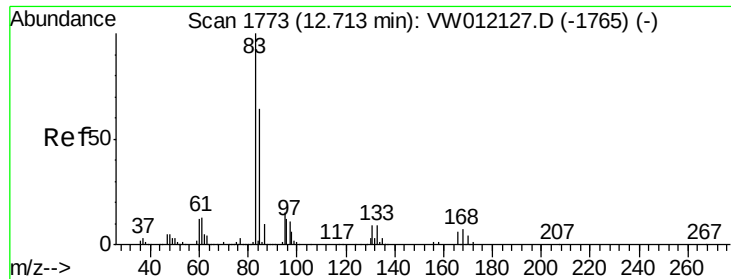
43 100

70 36.9 28.6 43.0

55 23.1 17.8 26.6

61 21.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.959 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

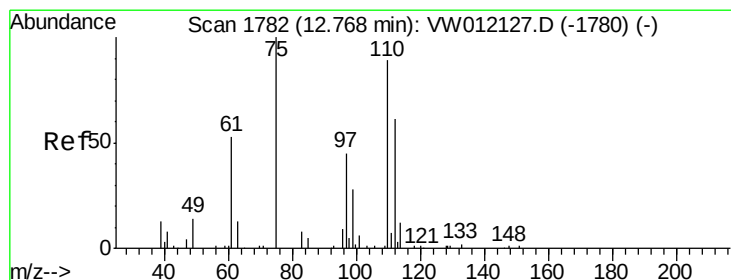
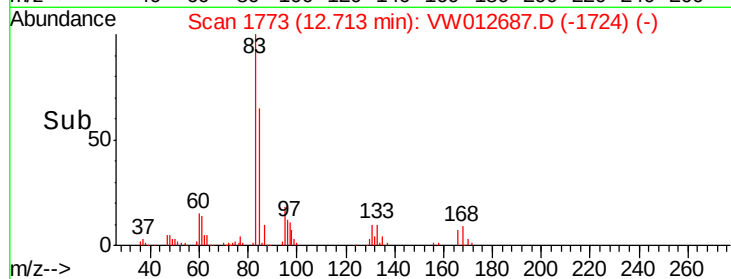
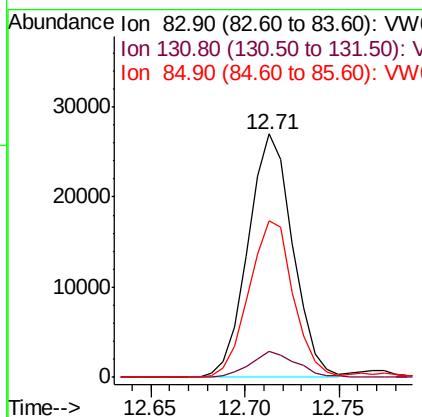
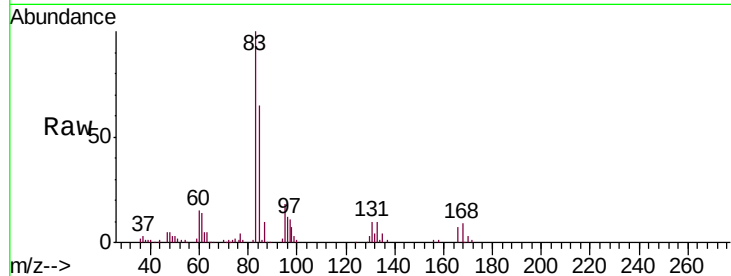
ClientSampleId :

VW0906SBSD02

Tgt Ion:	83	Resp:	44220
Ion Ratio	Lower	Upper	
83	100		
131	11.0	4.9	14.7
85	64.5	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.715 ug/l m

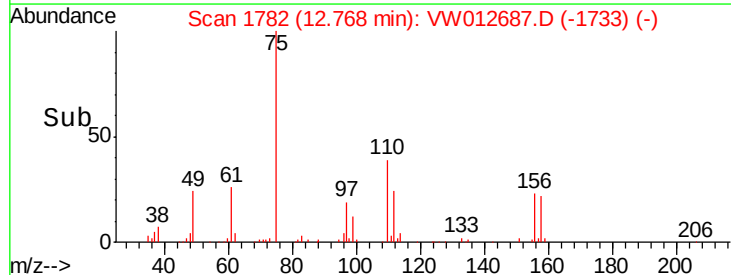
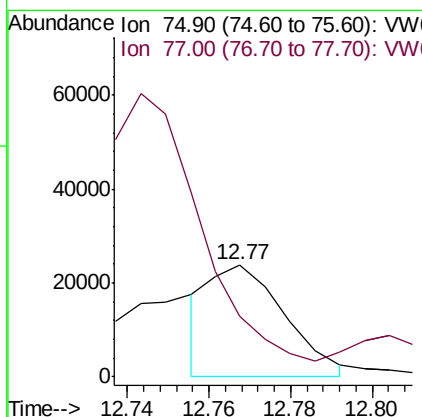
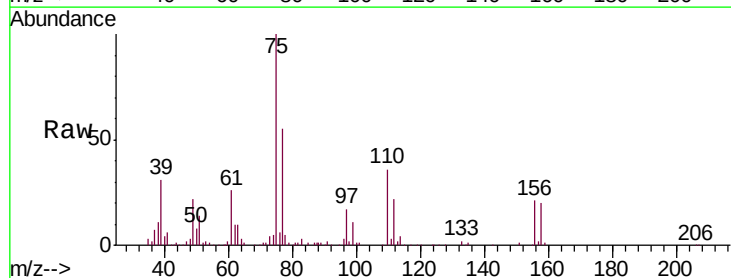
RT: 12.77 min Scan# 1782

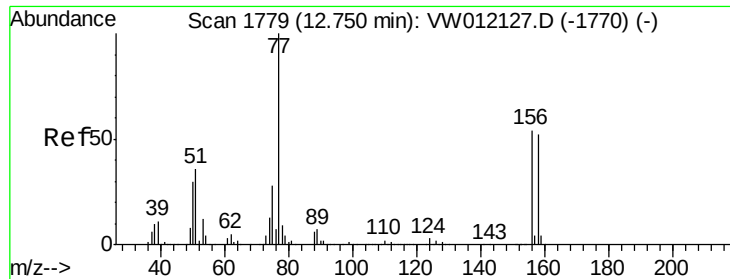
Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Tgt Ion:	75	Resp:	31002
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.432 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBSD02

Tgt Ion:156 Resp: 53306

Ion Ratio Lower Upper

156 100

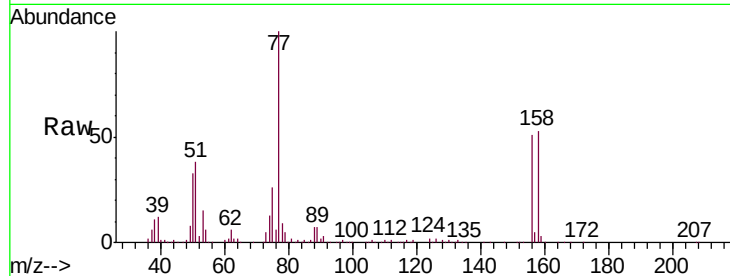
77 209.1 107.3 321.8

158 99.9 49.0 147.0

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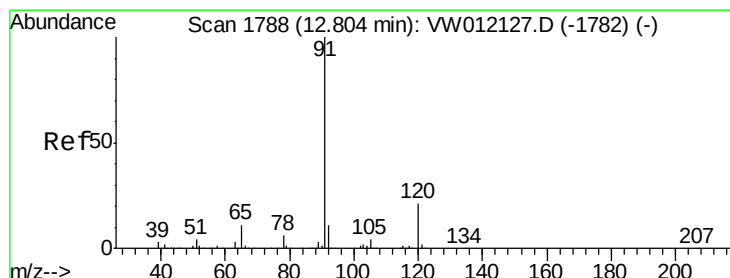
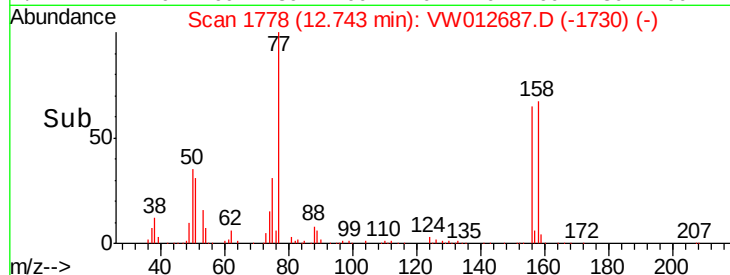
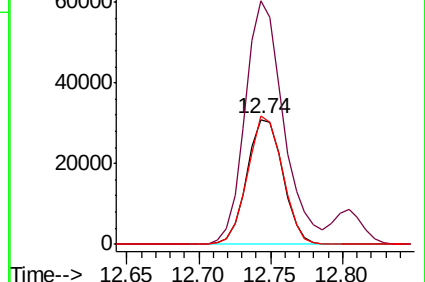
9/9/2019 4:45:11 AM



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: 21.691 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012687.D

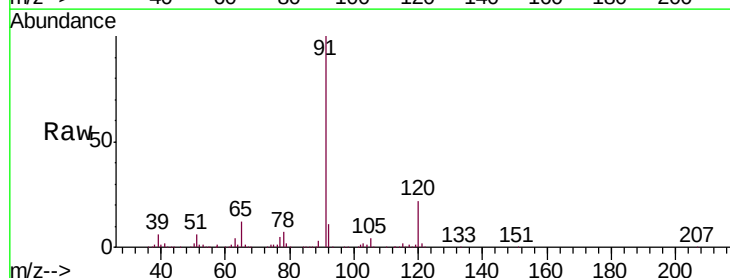
Acq: 06 Sep 2019 13:24

Tgt Ion: 91 Resp: 290872

Ion Ratio Lower Upper

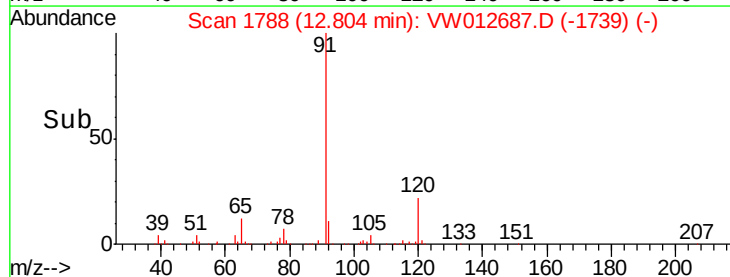
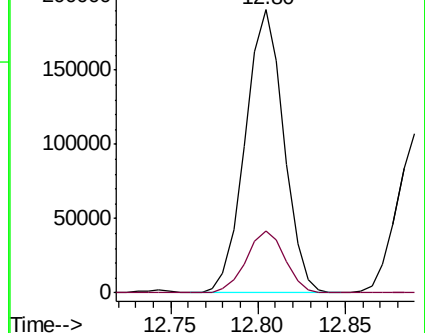
91 100

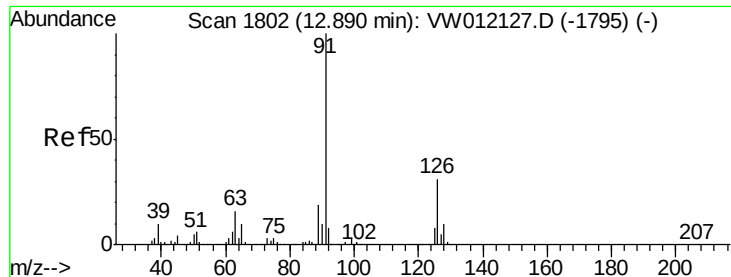
120 22.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.248 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VW0906SBSD02

Tgt Ion: 91 Resp: 169376

Ion Ratio Lower Upper

91 100

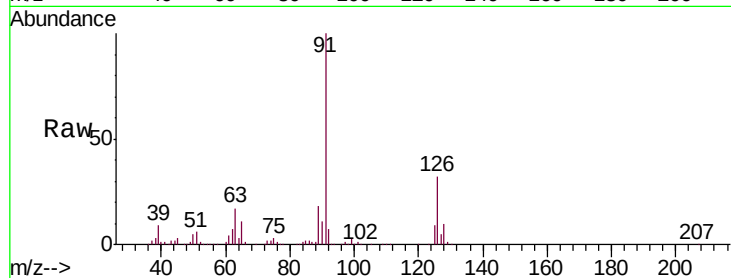
126 32.1 15.7 47.0

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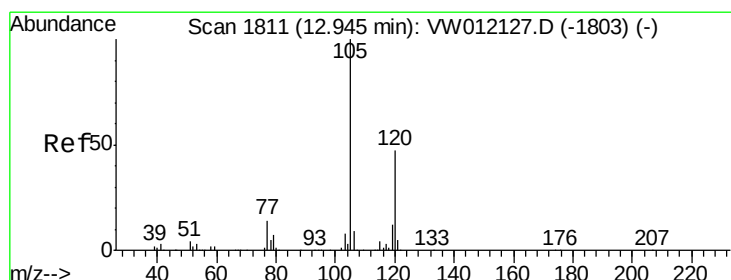
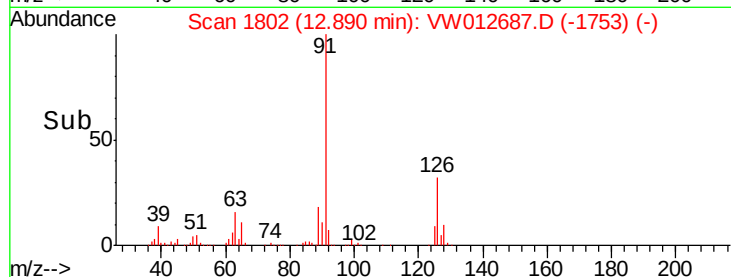
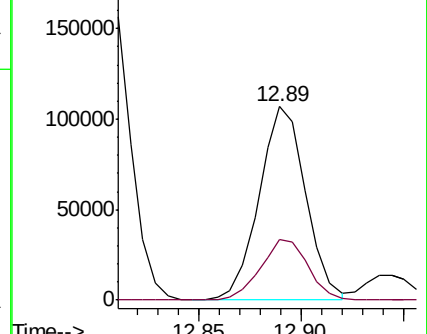
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.530 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012687.D

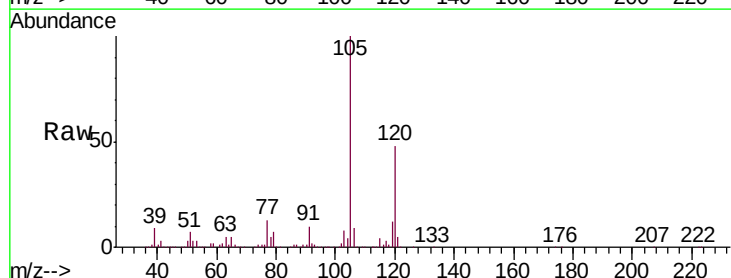
Acq: 06 Sep 2019 13:24

Tgt Ion: 105 Resp: 206788

Ion Ratio Lower Upper

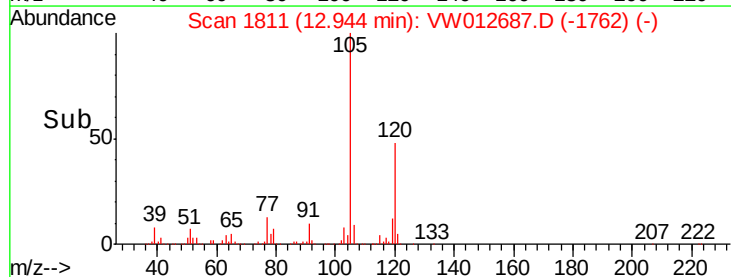
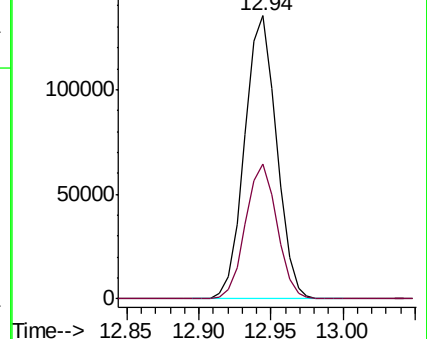
105 100

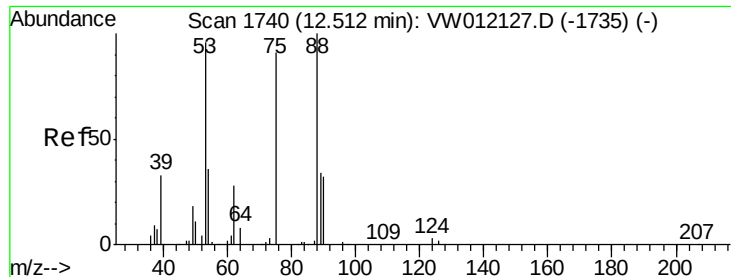
120 47.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.250 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

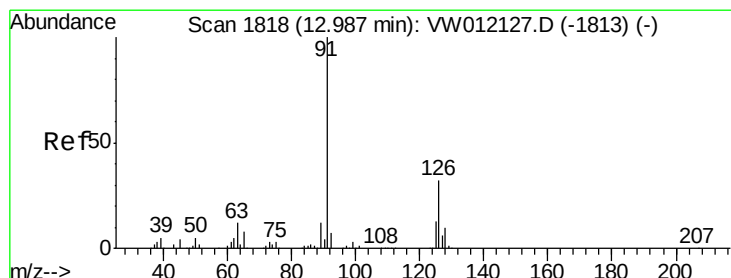
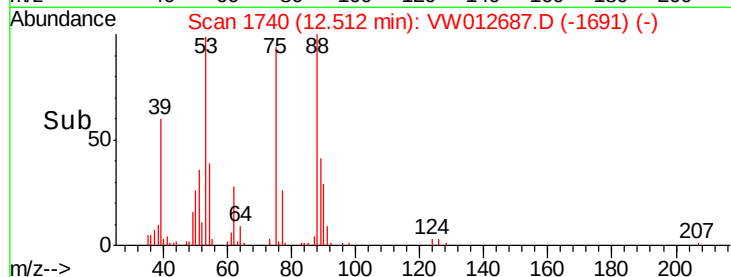
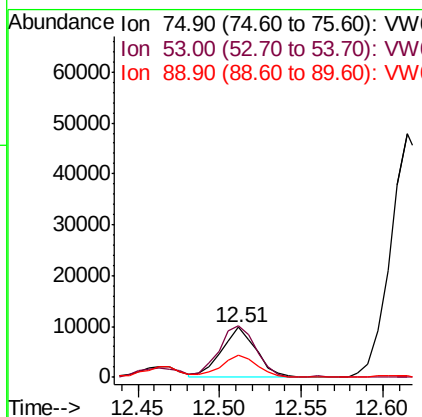
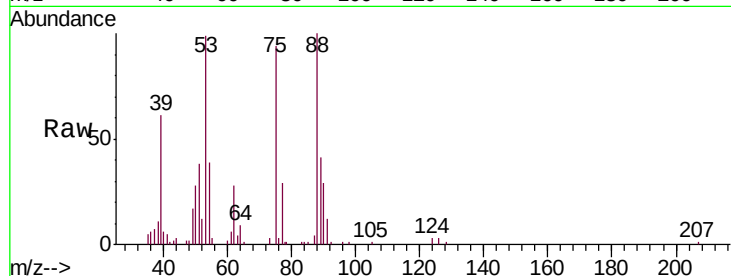
ClientSampleId :

VW0906SBS02

Tgt Ion:	75	Resp:	14488
Ion	Ratio	Lower	Upper
75	100		
53	110.6	89.4	134.0
89	45.8	34.5	51.7

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#82

4-Chlorotoluene

Concen: 22.480 ug/l

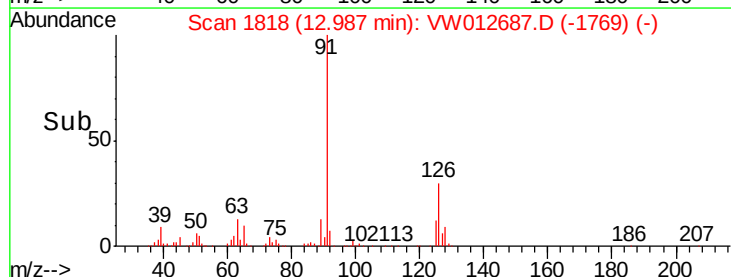
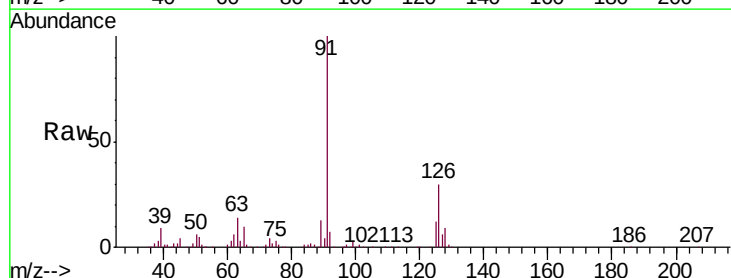
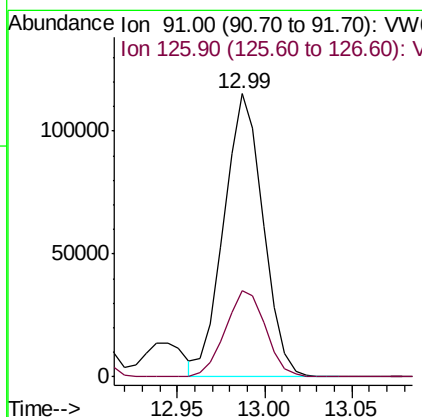
RT: 12.99 min Scan# 1818

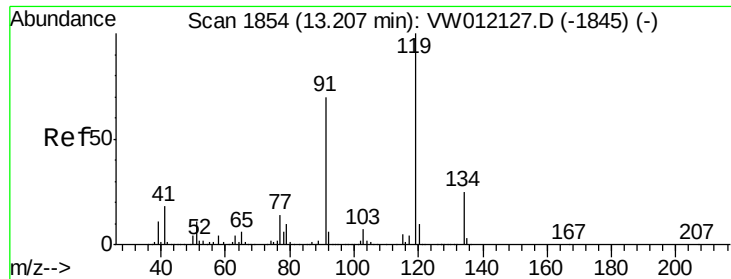
Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Tgt Ion:	91	Resp:	179202
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





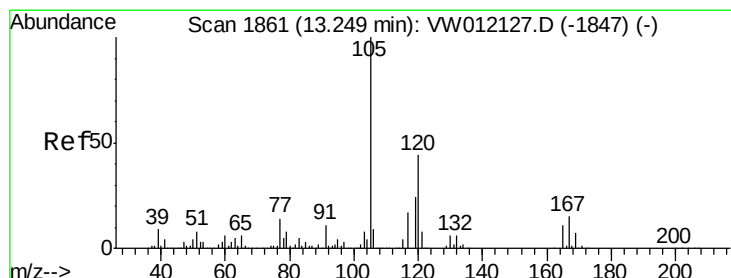
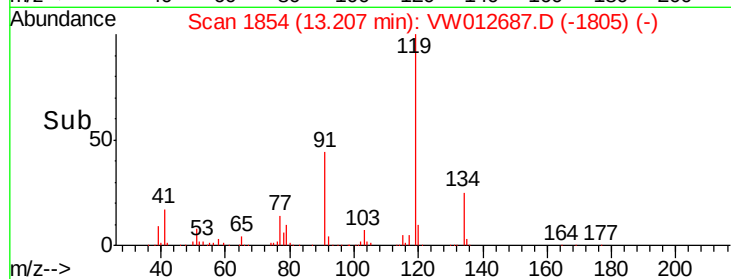
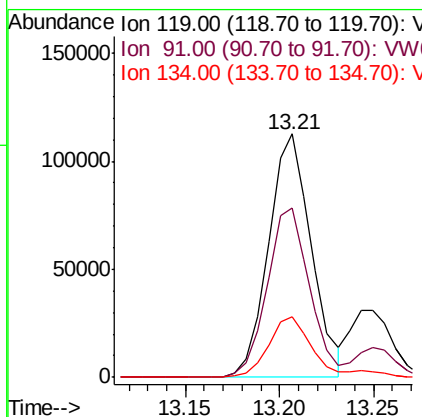
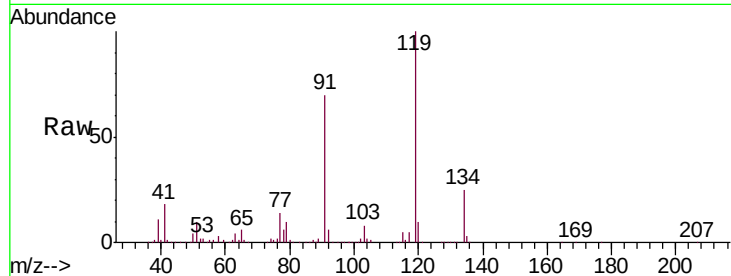
#83
 tert-Butylbenzene
 Concen: 22.750 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.8	104.3
134	26.9	13.3	39.8

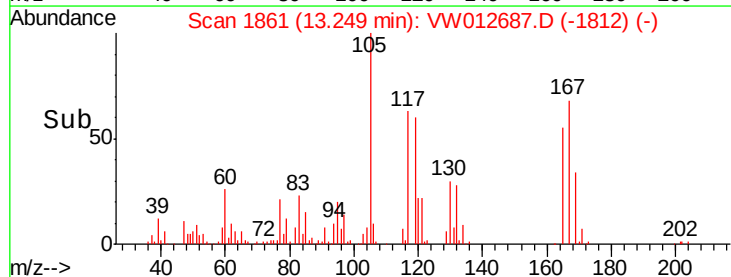
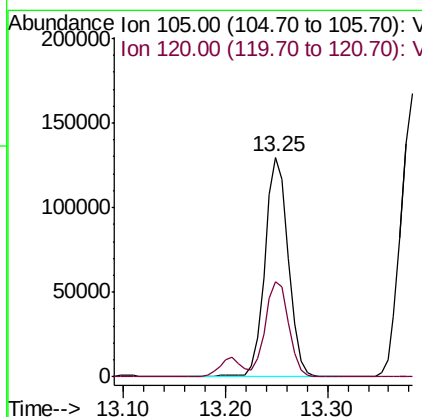
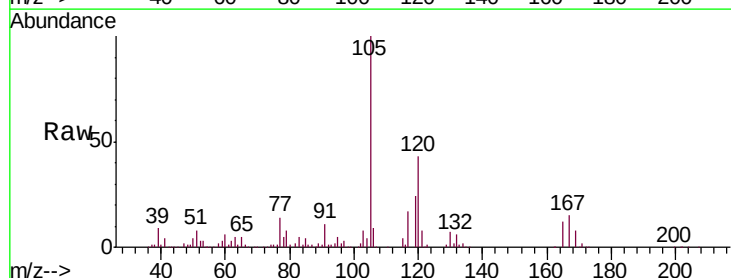
Manual Integrations
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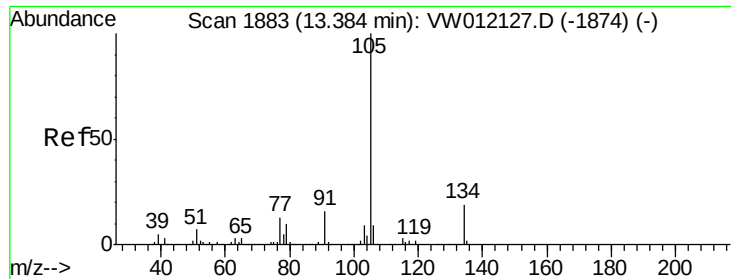
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.273 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.9	65.7





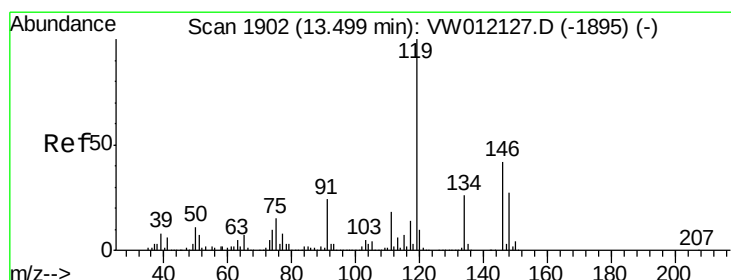
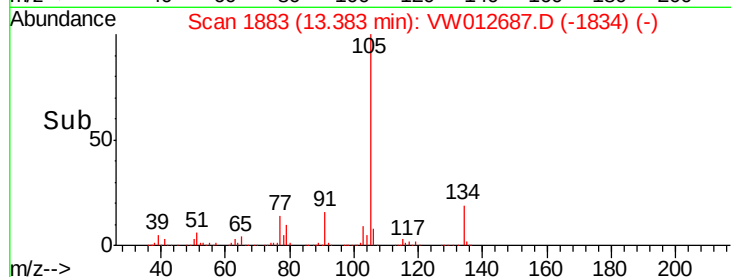
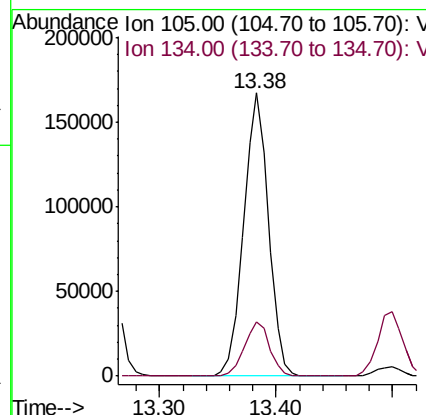
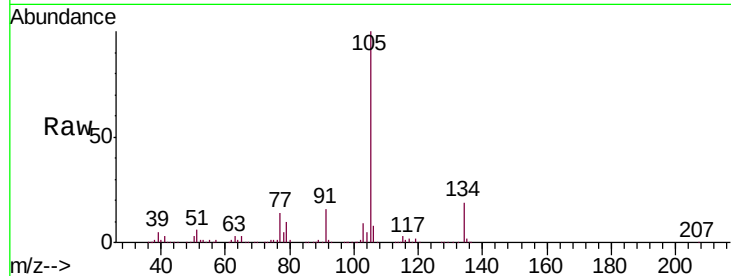
#85
 sec-Butylbenzene
 Concen: 22.234 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	247663		
134	19.6	9.8	29.4	

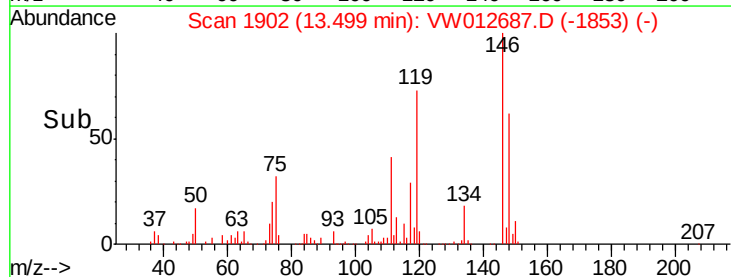
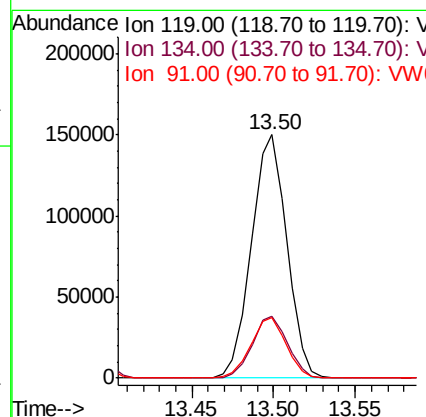
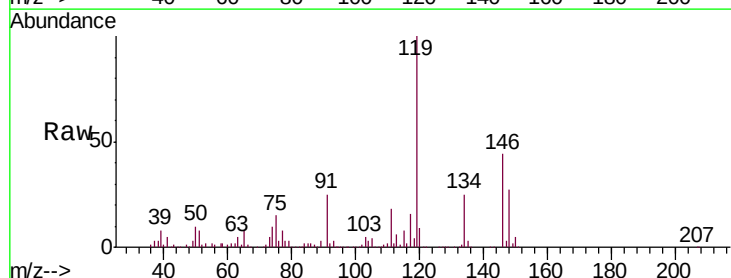
Manual Integrations
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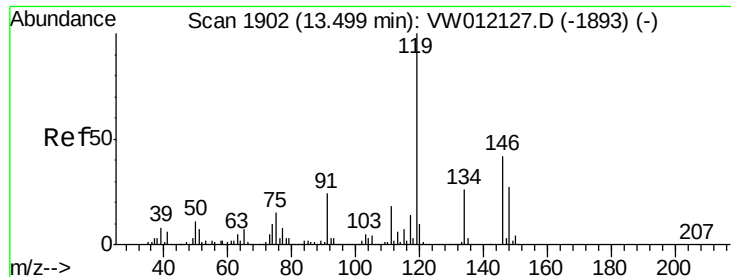
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 9/9/2019 4:45:11 AM



#86
 p-Isopropyltoluene
 Concen: 22.775 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	226554		
134	25.5	12.8	38.3	
91	24.6	12.3	36.9	





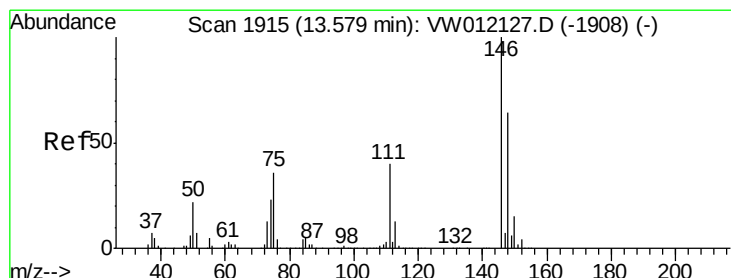
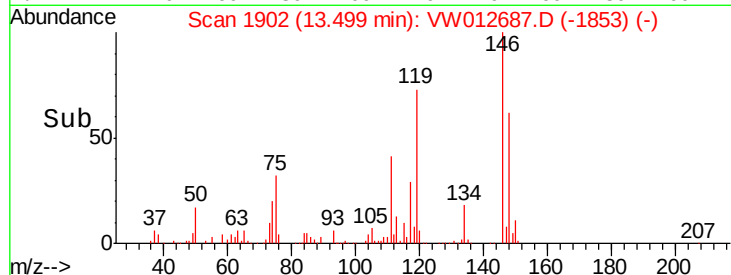
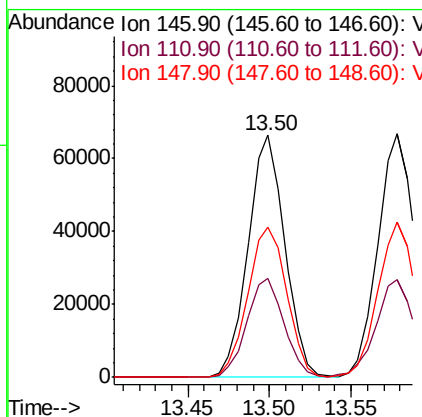
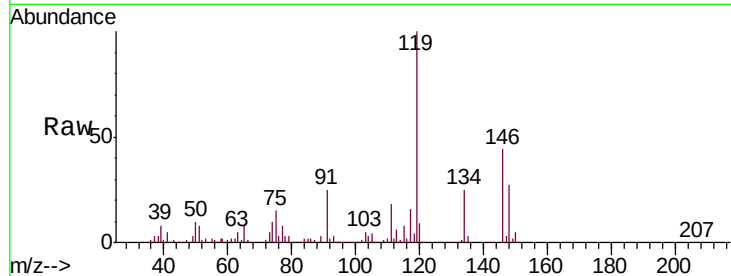
#87
 1,3-Dichlorobenzene
 Concen: 22.476 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	65.7	32.2	96.6

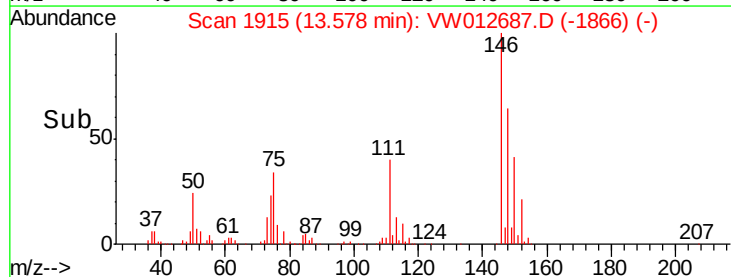
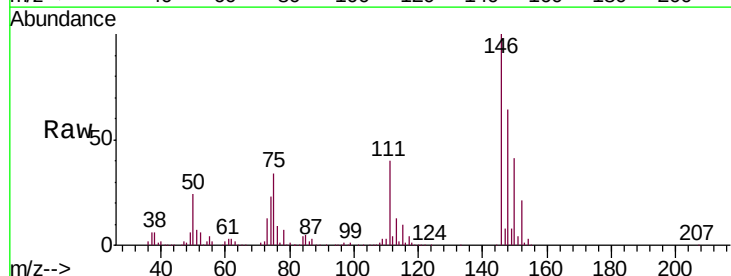
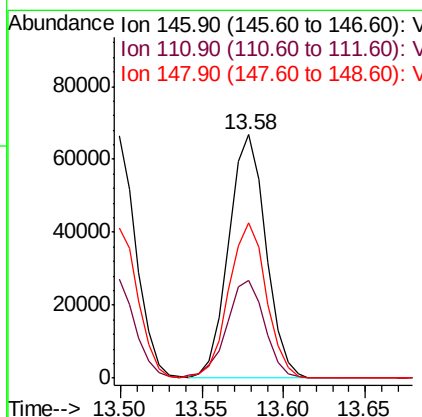
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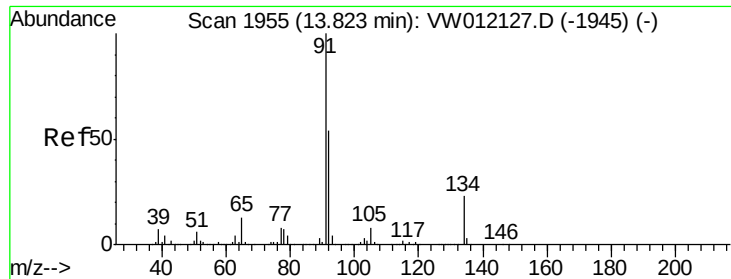
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#88
 1,4-Dichlorobenzene
 Concen: 22.934 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	64.5	32.1	96.3





#89

n-Butylbenzene

Concen: 21.945 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Instrument :

MSVOA_W

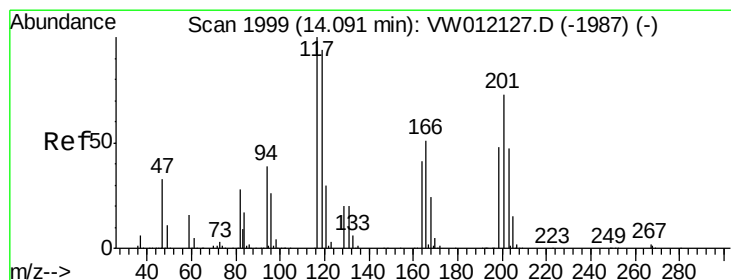
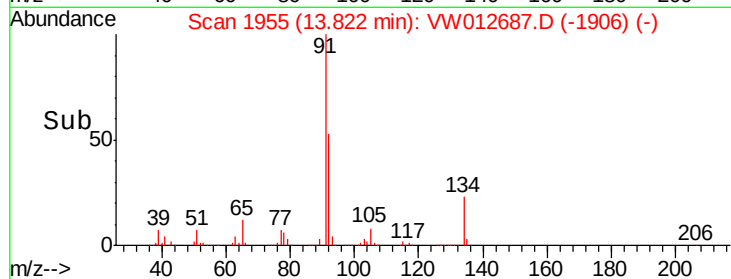
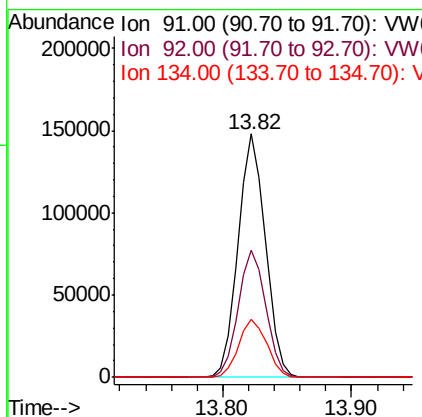
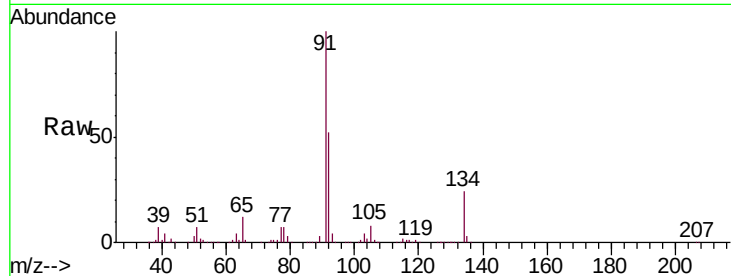
ClientSampleId :

VW0906SBS02

Tgt Ion:	91	Resp:	217084
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.1	81.2
134	24.6	12.2	36.4

Manual Integrations
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#90

Hexachloroethane

Concen: 22.360 ug/l

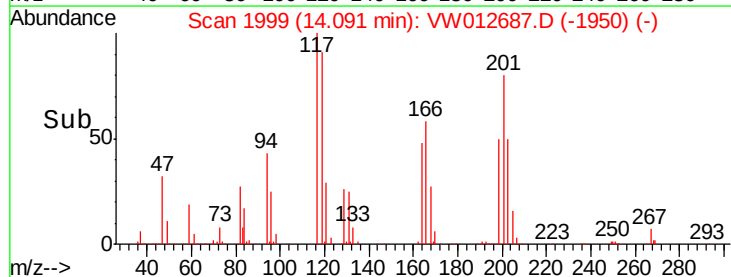
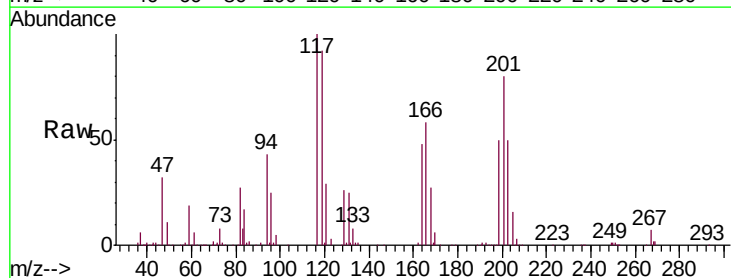
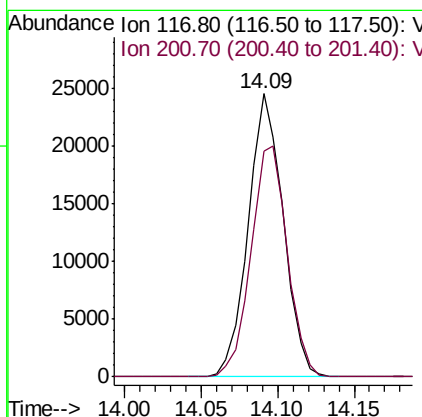
RT: 14.09 min Scan# 1999

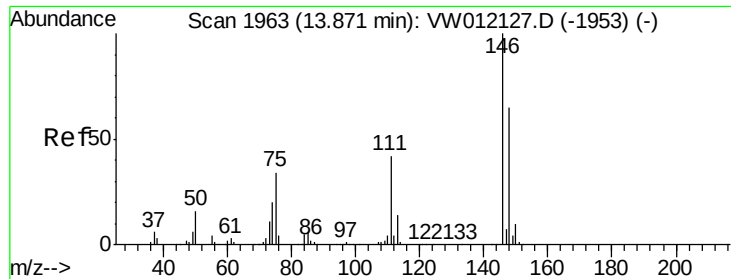
Delta R.T. -0.00 min

Lab File: VW012687.D

Acq: 06 Sep 2019 13:24

Tgt Ion:	117	Resp:	39024
Ion	Ratio	Lower	Upper
117	100		
201	84.5	38.6	115.7





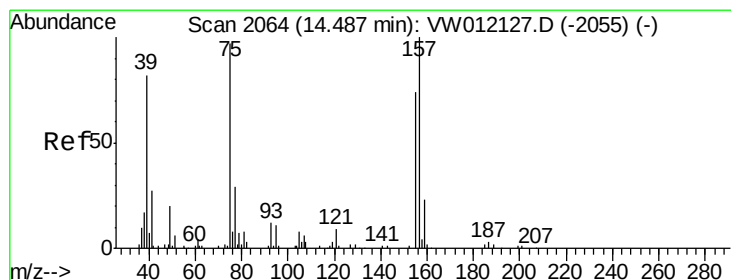
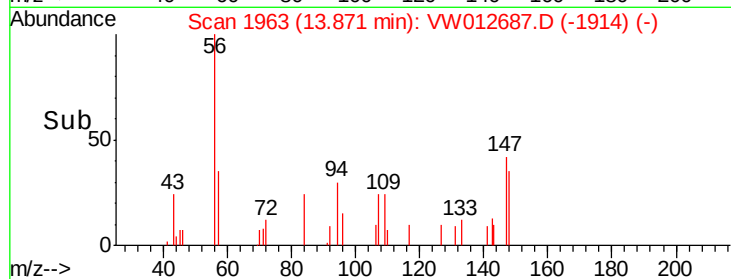
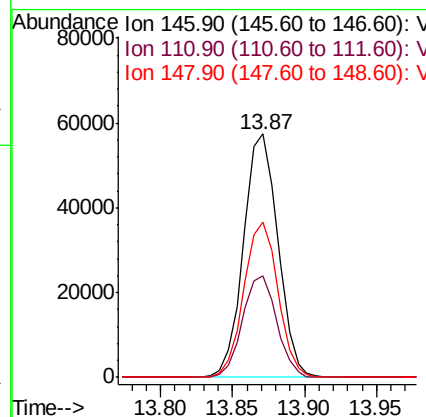
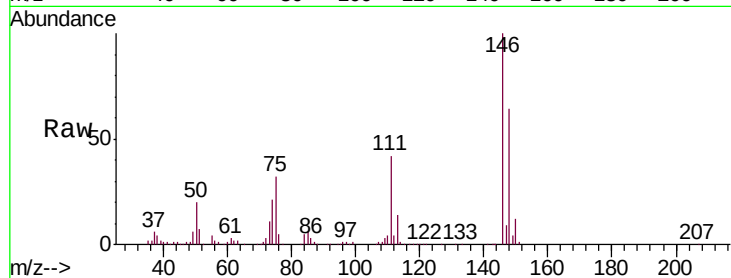
#91
 1,2-Dichlorobenzene
 Concen: 23.254 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	63.8	32.5	97.4

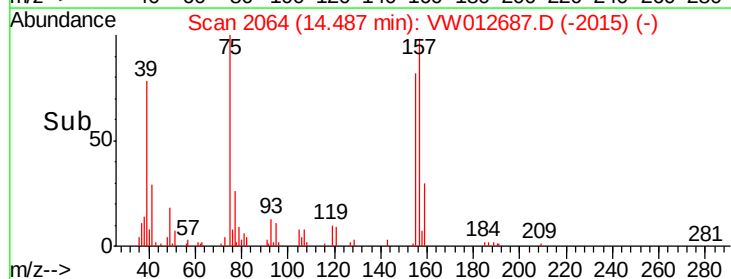
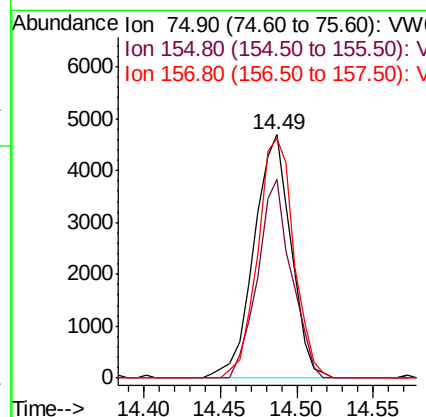
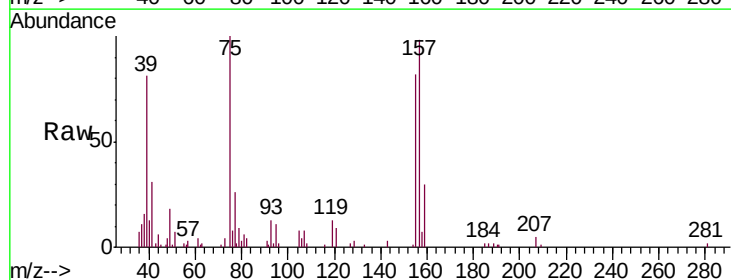
Manual Integrations
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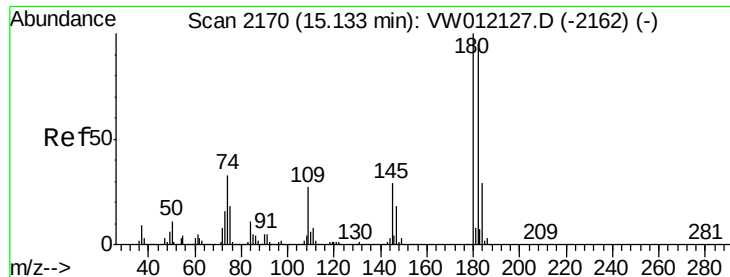
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.229 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	37.5	112.3
157	96.6	50.5	151.5





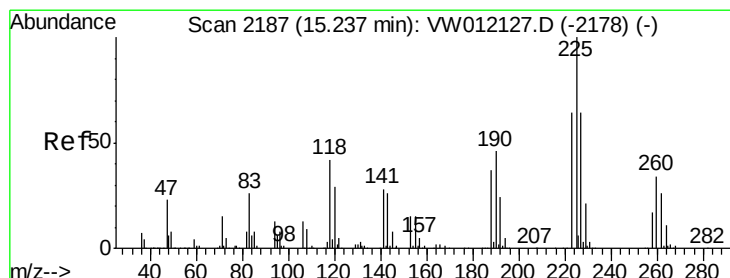
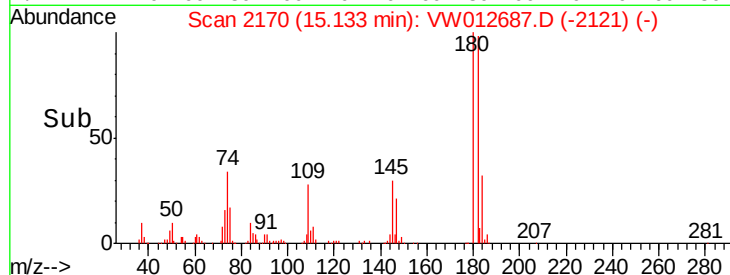
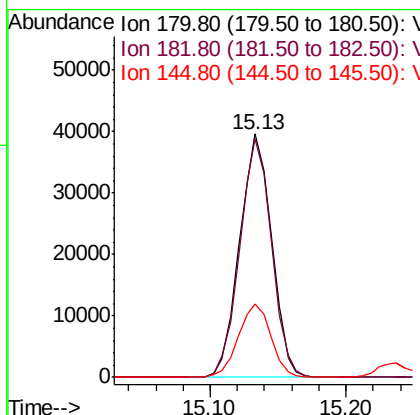
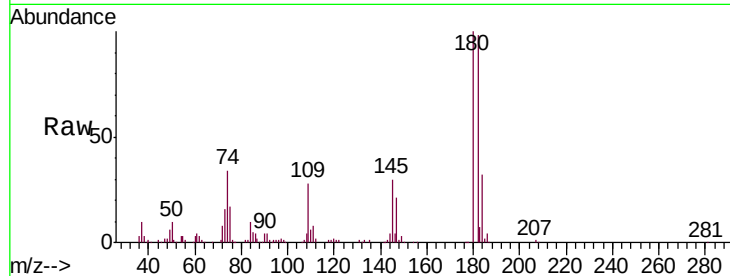
#93
 1,2,4-Trichlorobenzene
 Concen: 23.167 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65281		
182	97.3	47.8	143.4	
145	30.5	15.0	45.1	

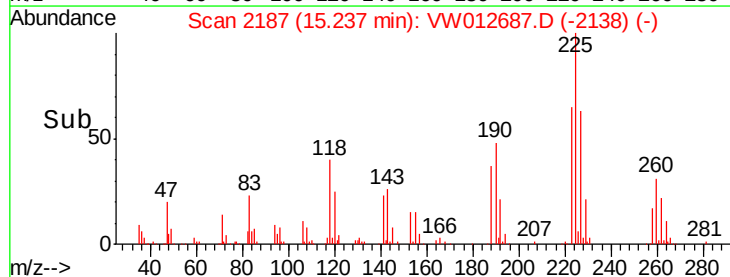
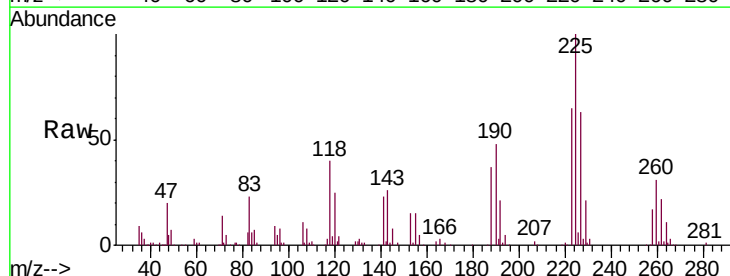
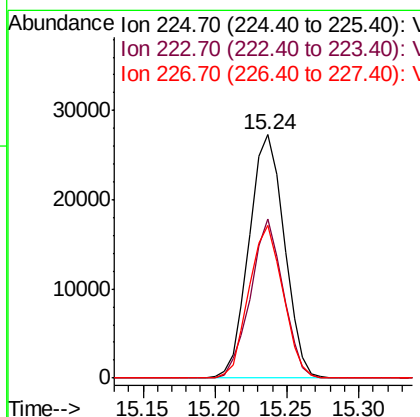
Manual Integrations
 APPROVED

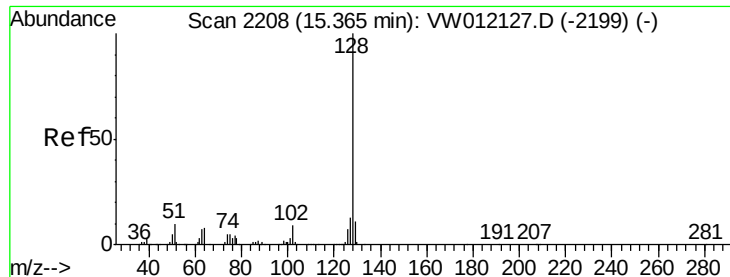
MMDadoda
 9/9/2019 4:45:11 AM



#94
 Hexachlorobutadiene
 Concen: 24.876 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012687.D
 Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46285		
223	60.2	32.3	96.8	
227	60.8	32.9	98.6	





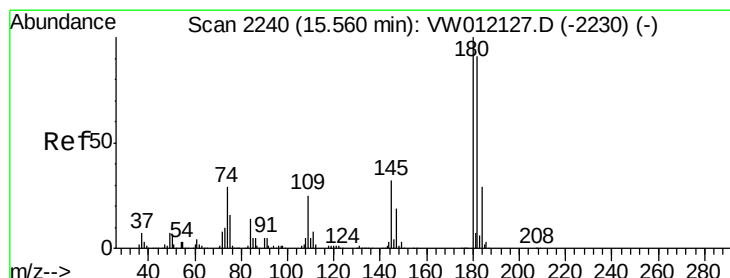
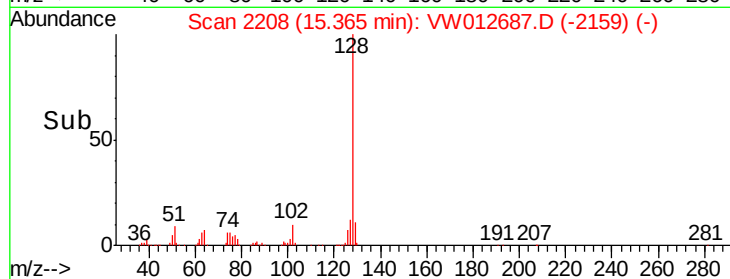
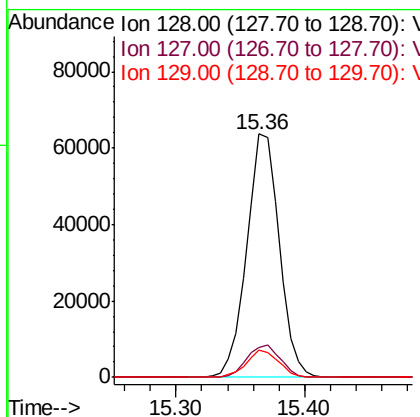
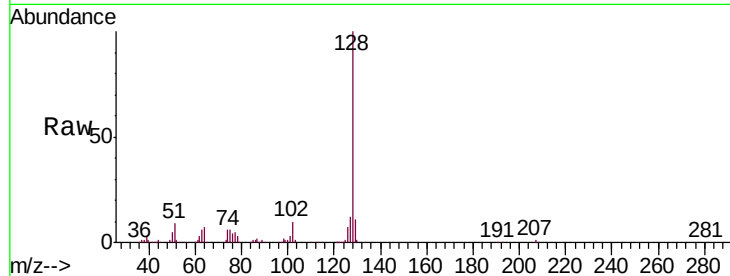
#95
Naphthalene
Concen: 22.617 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VW0906SBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 4:45:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.232 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012687.D
Acq: 06 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.3
145	32.2	16.2	48.5

