

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012629.D
 Acq On : 05 Sep 2019 09:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:12 AM

Quant Time: Sep 05 11:29:01 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	163825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	285707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	132048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136694	70.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.38%	
35) Dibromofluoromethane	7.88	113	99597	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	
50) Toluene-d8	10.32	98	356928	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.62	95	141617	58.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	44140	43.758	ug/l	99
3) Chloromethane	2.21	50	71945	46.036	ug/l	98
4) Vinyl Chloride	2.36	62	74294	38.840	ug/l	98
5) Bromomethane	2.78	94	49827	51.435	ug/l	94
6) Chloroethane	2.92	64	50688	46.974	ug/l	93
7) Trichlorofluoromethane	3.25	101	41233	42.929	ug/l	92
8) Diethyl Ether	3.68	74	61582	67.548	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	81212	49.743	ug/l	97
10) Methyl Iodide	4.27	142	138037	62.489	ug/l	97
11) Tert butyl alcohol	5.19	59	51453	439.025	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	82439	50.169	ug/l	96
13) Acrolein	3.90	56	33894	307.230	ug/l	100
14) Allyl chloride	4.66	41	199584	56.813	ug/l	98
15) Acrylonitrile	5.37	53	188360	416.831	ug/l	99
16) Acetone	4.13	43	160655	322.719	ug/l	97
17) Carbon Disulfide	4.38	76	220620	44.424	ug/l	98
18) Methyl Acetate	4.67	43	113274	91.868	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	219013	82.417	ug/l	97
20) Methylene Chloride	4.91	84	121234	64.420	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	99982	56.739	ug/l	98
22) Diisopropyl ether	6.31	45	453519	69.647	ug/l	98
23) Vinyl Acetate	6.25	43	1428474	356.459	ug/l	100
24) 1,1-Dichloroethane	6.21	63	224200	63.235	ug/l	99
25) 2-Butanone	7.17	43	262320	387.775	ug/l	99
26) 2,2-Dichloropropane	7.16	77	99899	49.780	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	123236	65.458	ug/l	98
28) Bromochloromethane	7.51	49	99473	64.371	ug/l	95
29) Tetrahydrofuran	7.53	42	172237	424.379	ug/l	99
30) Chloroform	7.67	83	219642	67.712	ug/l	100
31) Cyclohexane	7.95	56	145571	41.499	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	156789	61.101	ug/l	99
36) 1,1-Dichloropropene	8.08	75	143299	48.536	ug/l	99
37) Ethyl Acetate	7.25	43	116007	71.702	ug/l	99
38) Carbon Tetrachloride	8.07	117	133832	52.372	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	140997	42.509	ug/l	98
40) Benzene	8.32	78	452399	56.116	ug/l	100
41) Methacrylonitrile	7.48	41	73643	77.446	ug/l	98
42) 1,2-Dichloroethane	8.40	62	179397	71.002	ug/l	100
43) Isopropyl Acetate	8.42	43	223146	74.460	ug/l	99
44) Trichloroethene	9.09	130	109083	55.660	ug/l	93
45) 1,2-Dichloropropane	9.37	63	131355	60.541	ug/l	98
46) Dibromomethane	9.46	93	67540	69.963	ug/l	96
47) Bromodichloromethane	9.64	83	174405	67.882	ug/l	96
48) Methyl methacrylate	9.43	41	115810	81.193	ug/l	96
49) 1,4-Dioxane	9.47	88	21299	1441.208	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	595306	390.545	ug/l	100
52) Toluene	10.38	92	281232	58.068	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	172670	65.978	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	195019	61.715	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	96157	70.401	ug/l	99
56) Ethyl methacrylate	10.65	69	148525	74.715	ug/l	99
57) 1,3-Dichloropropane	10.93	76	179471	69.532	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	375868	368.416	ug/l	98
59) 2-Hexanone	10.97	43	402193	372.906	ug/l	100
60) Dibromochloromethane	11.13	129	110717	72.776	ug/l	99
61) 1,2-Dibromoethane	11.23	107	90857	71.402	ug/l	99
64) Tetrachloroethene	10.86	164	104480	60.979	ug/l	99
65) Chlorobenzene	11.66	112	299759	57.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	113997	62.794	ug/l	98
67) Ethyl Benzene	11.73	91	547607	54.628	ug/l	99
68) m/p-Xylenes	11.84	106	394156	109.158	ug/l	99
69) o-Xylene	12.16	106	191741	57.373	ug/l	98
70) Styrene	12.18	104	349179	60.363	ug/l	99
71) Bromoform	12.35	173	65685	72.621	ug/l #	100
73) Isopropylbenzene	12.46	105	509280	51.471	ug/l	99
74) N-amyl acetate	12.27	43	190300	63.658	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	116157	64.035	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	98731m	76.771	ug/l	
77) Bromobenzene	12.74	156	127558	59.590	ug/l	99
78) n-propylbenzene	12.80	91	610563	50.547	ug/l	99
79) 2-Chlorotoluene	12.89	91	372723	54.349	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	450847	54.530	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35160	59.943	ug/l	96
82) 4-Chlorotoluene	12.99	91	391653	54.542	ug/l	100
83) tert-Butylbenzene	13.21	119	376788	53.800	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	460446	55.440	ug/l	99
85) sec-Butylbenzene	13.38	105	501259	49.957	ug/l	100
86) p-Isopropyltoluene	13.50	119	462243	51.585	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	239857	57.288	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	236652	56.925	ug/l	100
89) n-Butylbenzene	13.82	91	435851	48.912	ug/l	99
90) Hexachloroethane	14.09	117	84564	53.789	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	222523	60.583	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22559	73.769	ug/l	98

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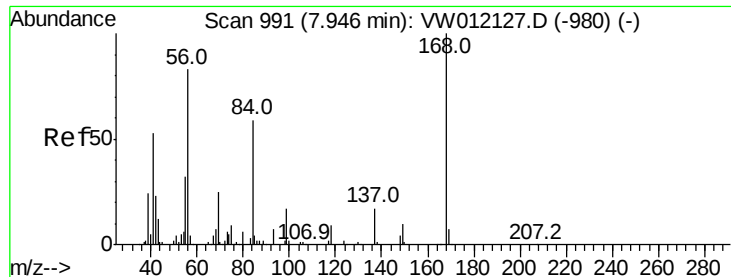
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	150553	59.313	ug/l	99
94) Hexachlorobutadiene	15.24	225	89585	53.451	ug/l	98
95) Naphthalene	15.36	128	321911	63.366	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	140100	63.263	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 163825

Ion Ratio Lower Upper

168 100

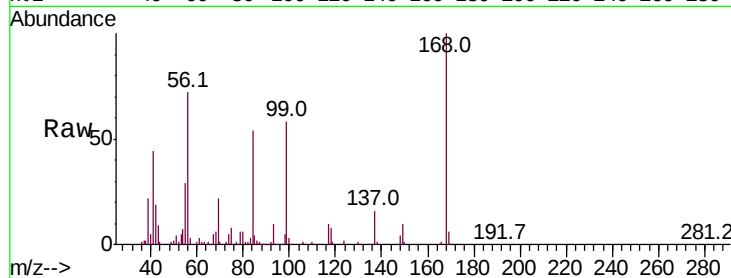
99 57.8 49.2 73.8

Manual Integrations

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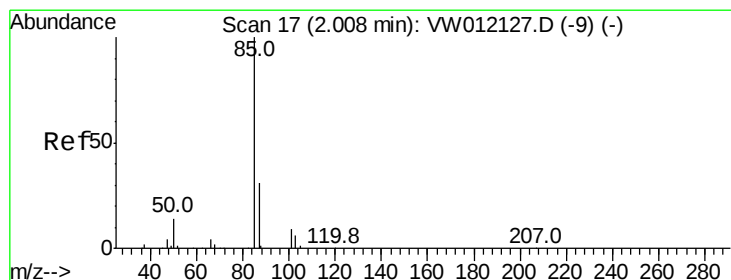
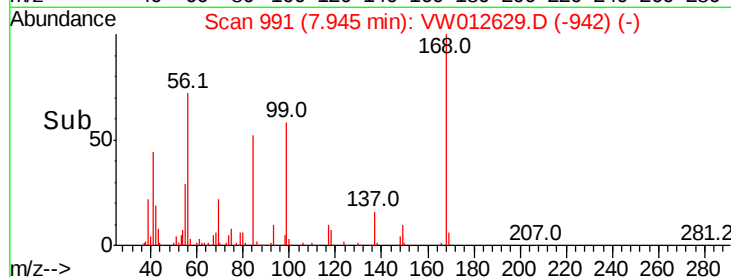
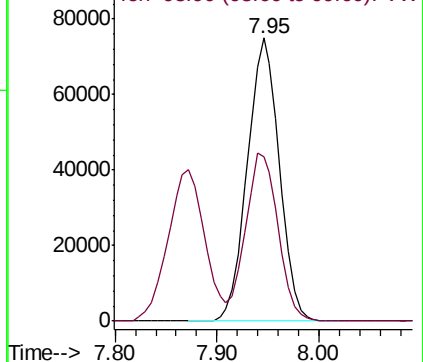
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.758 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012629.D

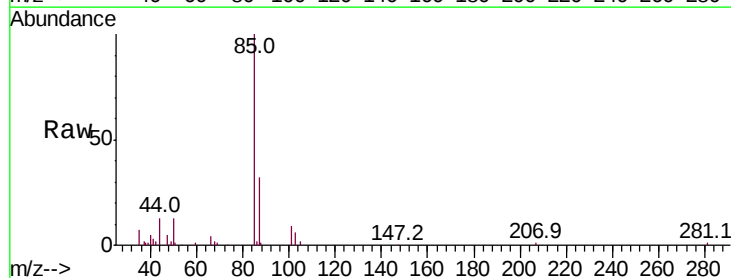
Acq: 05 Sep 2019 09:37

Tgt Ion: 85 Resp: 44140

Ion Ratio Lower Upper

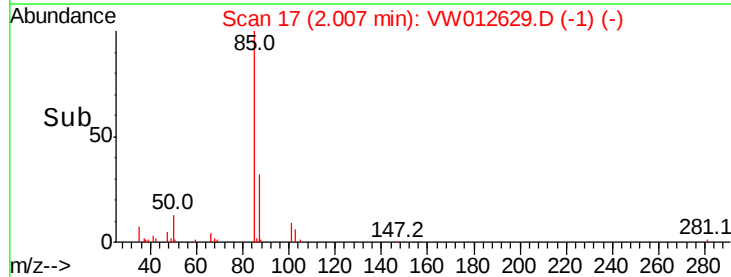
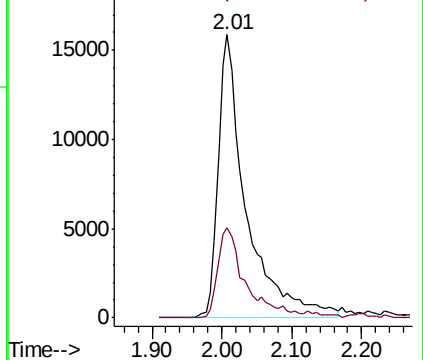
85 100

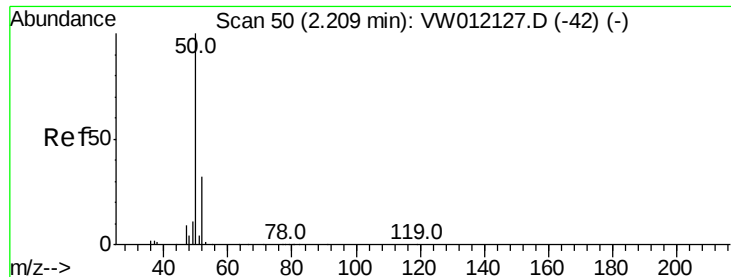
87 31.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.036 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 71945

Ion Ratio Lower Upper

50 100

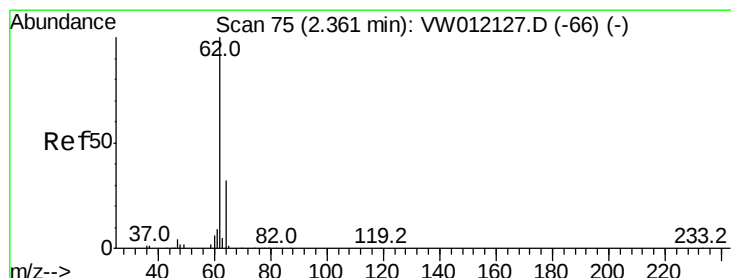
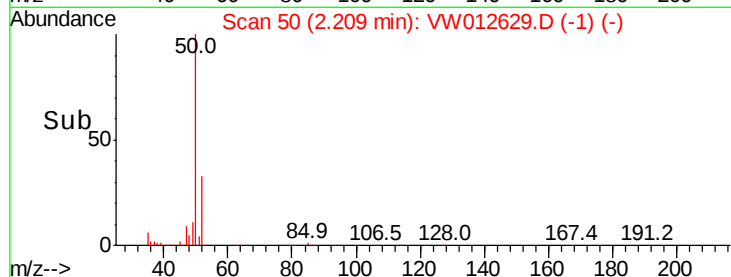
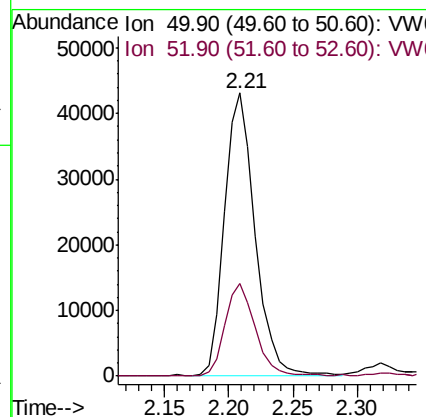
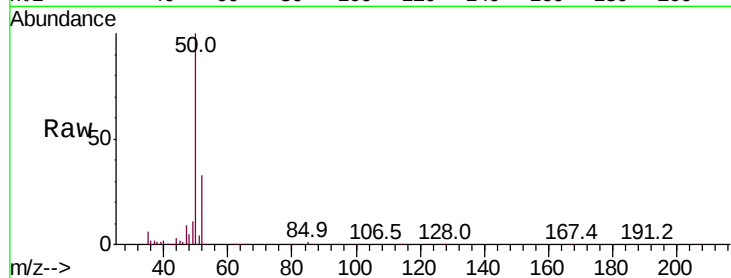
52 32.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 38.840 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012629.D

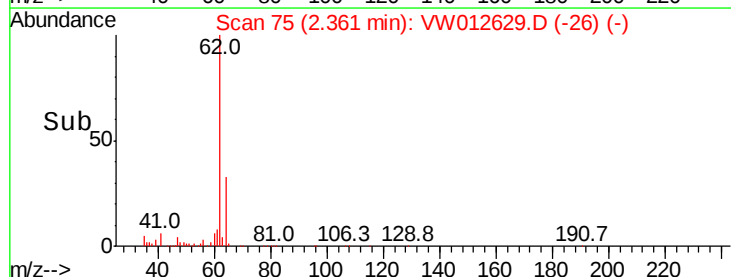
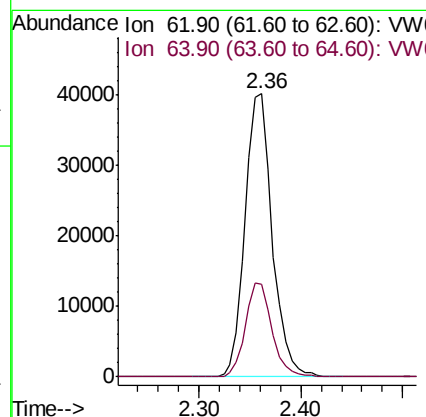
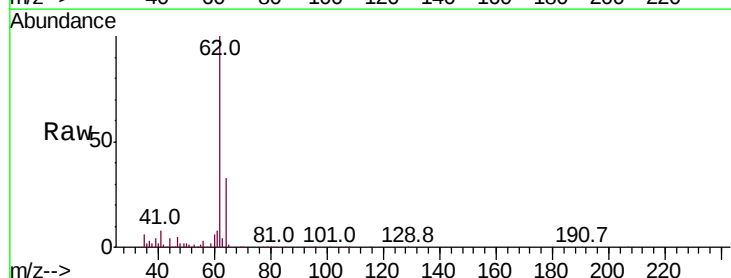
Acq: 05 Sep 2019 09:37

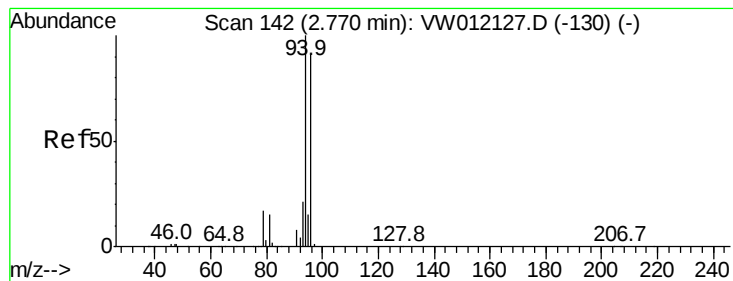
Tgt Ion: 62 Resp: 74294

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 51.435 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49827

Ion Ratio Lower Upper

94 100

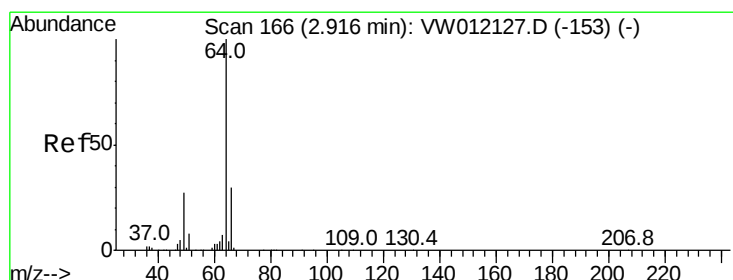
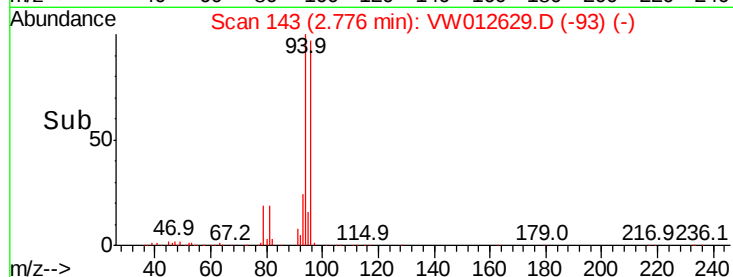
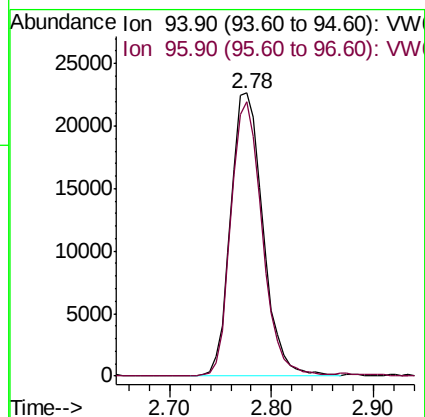
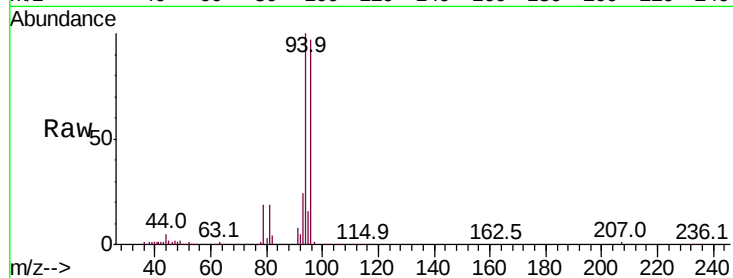
96 96.8 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 46.974 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012629.D

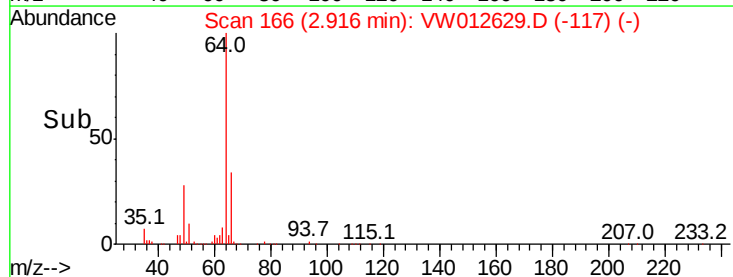
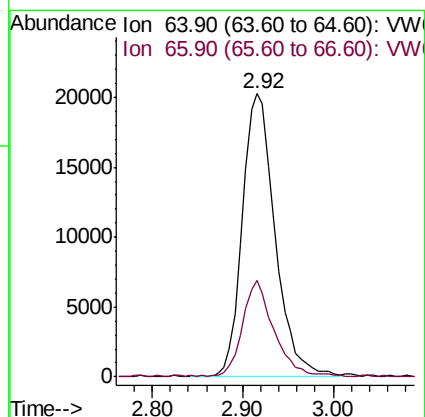
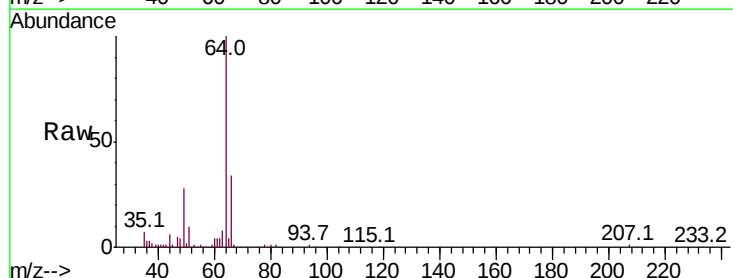
Acq: 05 Sep 2019 09:37

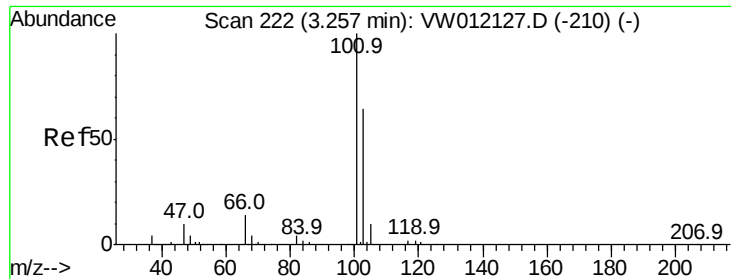
Tgt Ion: 64 Resp: 50688

Ion Ratio Lower Upper

64 100

66 33.5 23.8 35.8





#7

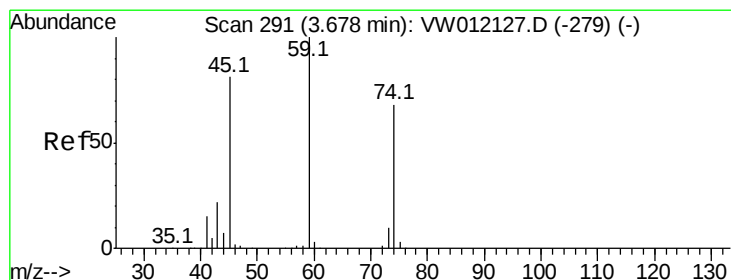
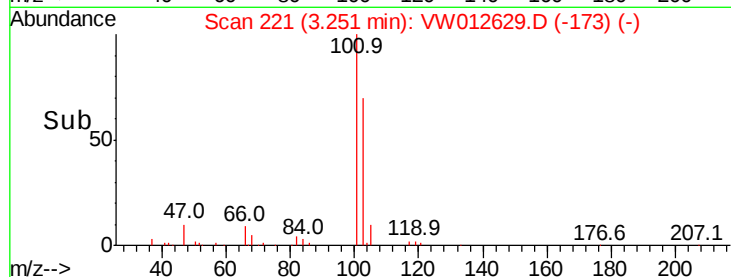
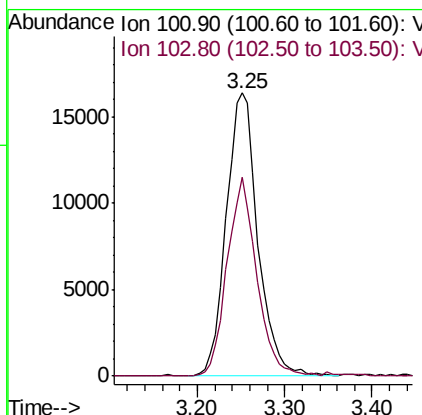
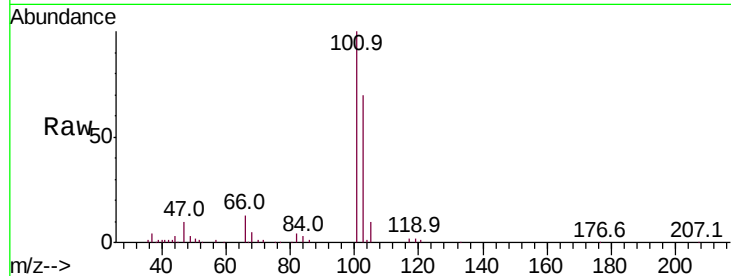
Trichlorofluoromethane
Concen: 42.929 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.4	51.2	76.8

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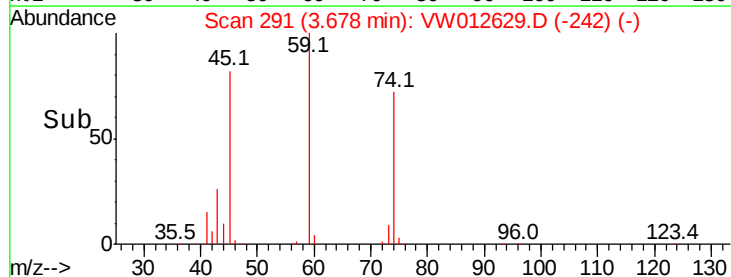
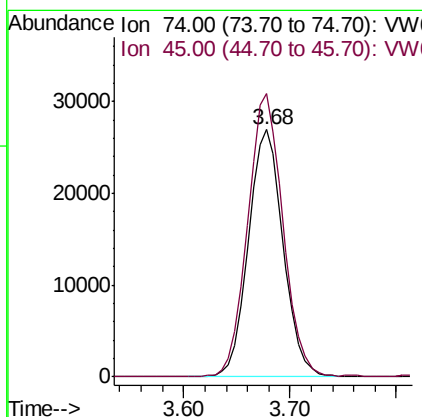
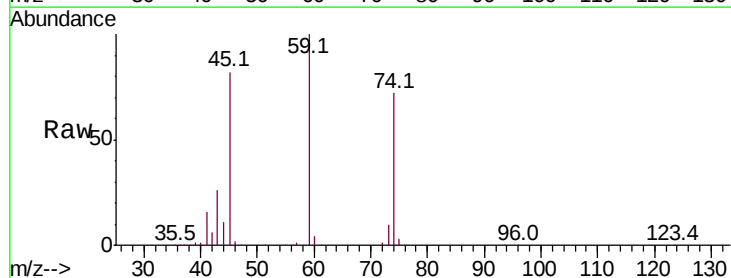
MMDadoda
9/7/2019 12:46:12 AM

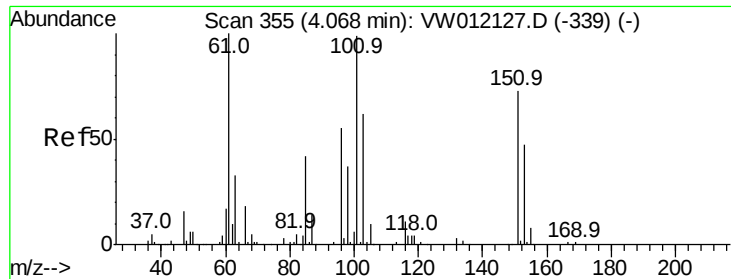


#8

Diethyl Ether
Concen: 67.548 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.6	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.743 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

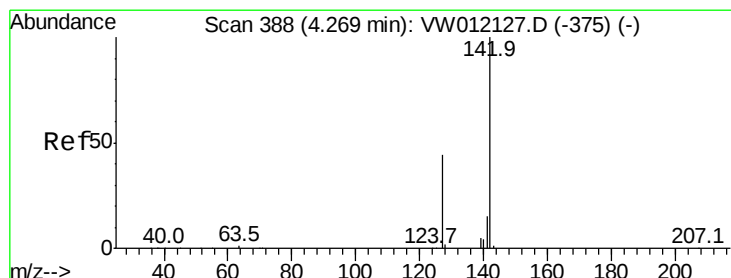
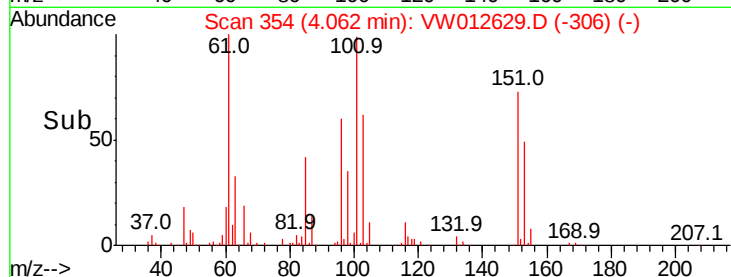
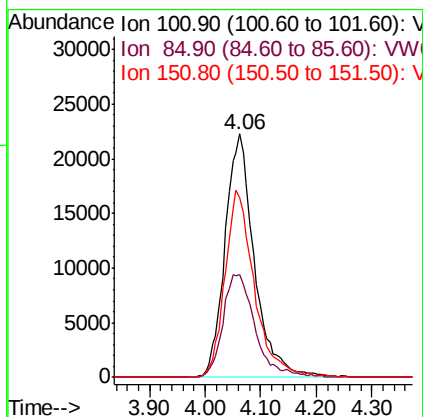
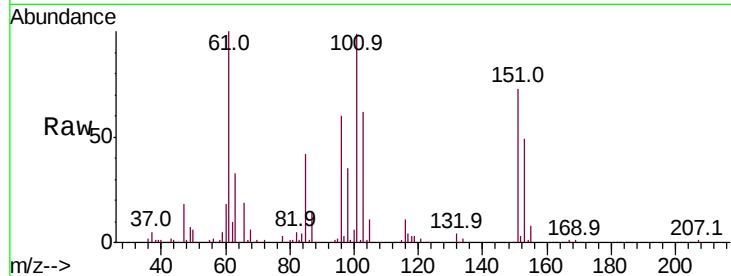
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	81212
Ion Ratio	Lower	Upper	
101	100		
85	46.0	35.8	53.6
151	76.8	58.6	87.8

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#10

Methyl Iodide

Concen: 62.489 ug/l

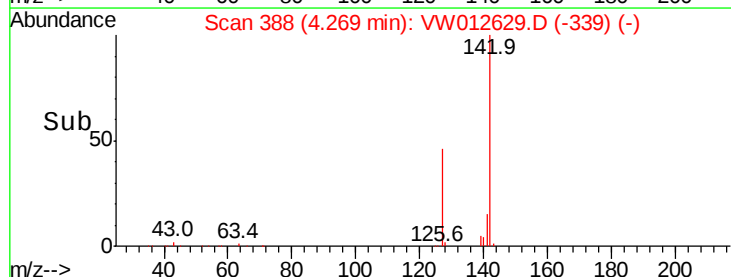
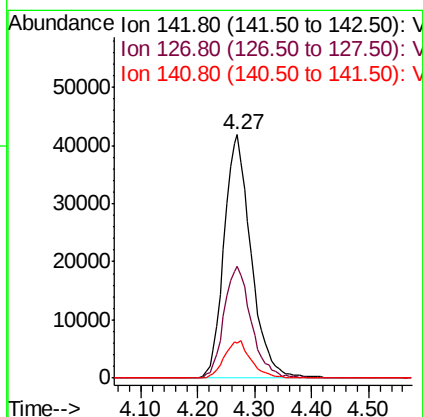
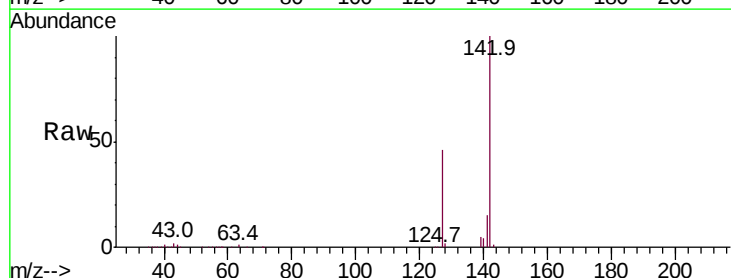
RT: 4.27 min Scan# 388

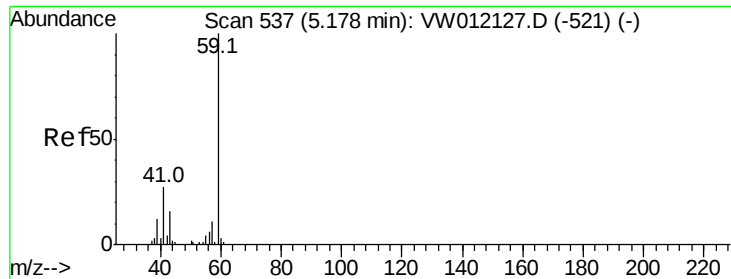
Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	142	Resp:	138037
Ion Ratio	Lower	Upper	
142	100		
127	46.6	35.5	53.3
141	15.3	11.8	17.8





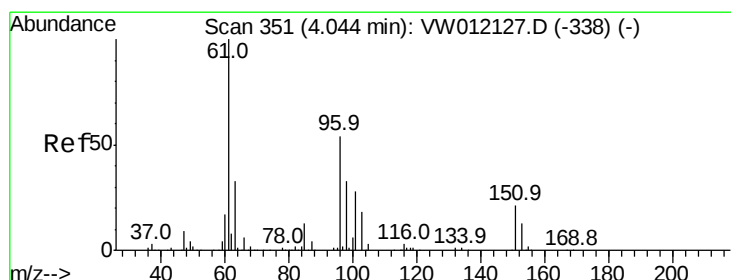
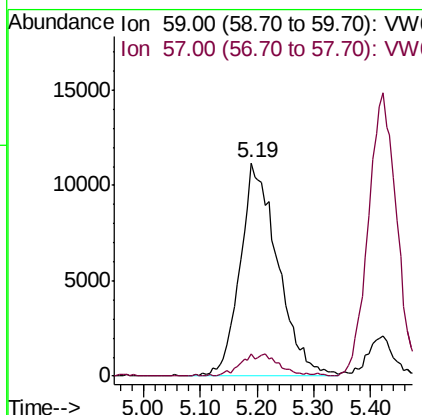
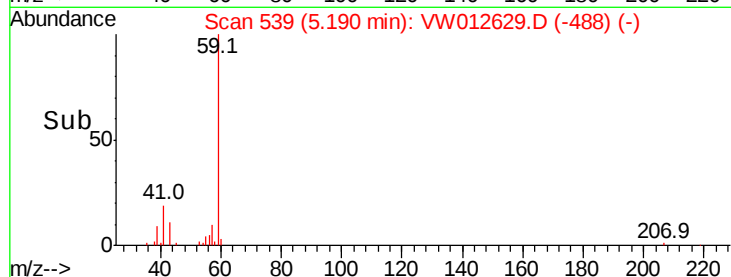
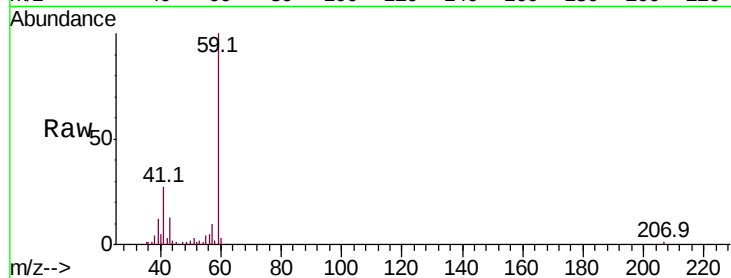
#11
Tert butyl alcohol
Concen: 439.025 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 51453
Ion Ratio Lower Upper
59 100
57 4.4 9.0 13.4#

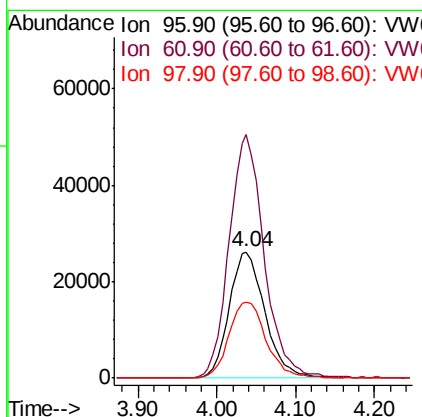
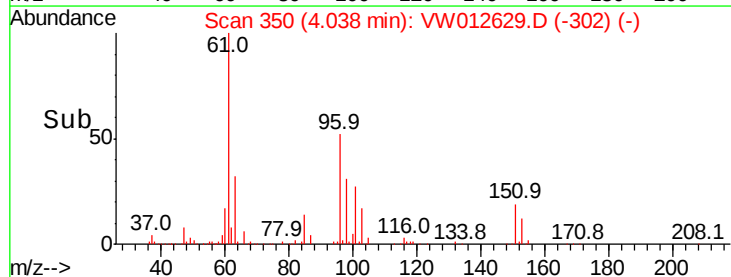
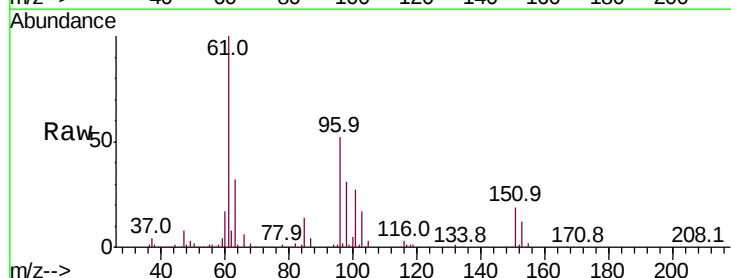
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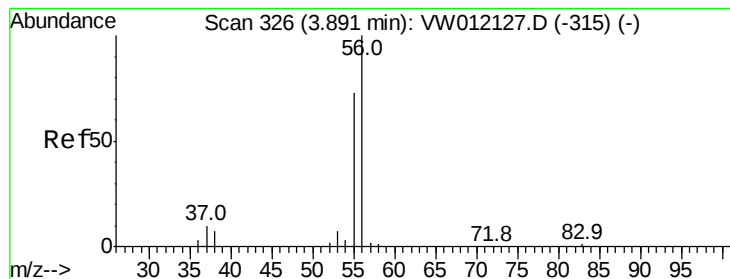
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.169 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion: 96 Resp: 82439
Ion Ratio Lower Upper
96 100
61 193.4 149.1 223.7
98 60.7 49.4 74.2





#13

Acrolein

Concen: 307.230 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 33894

Ion Ratio Lower Upper

56 100

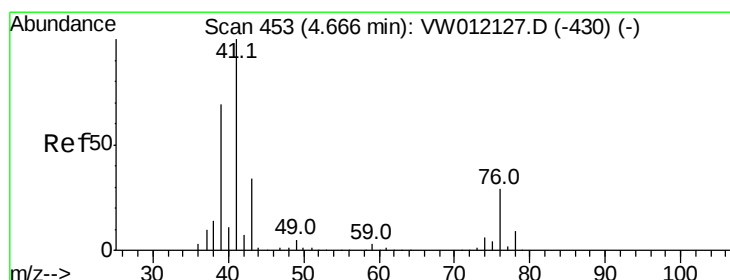
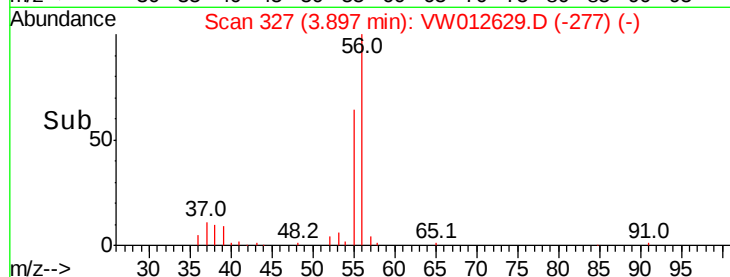
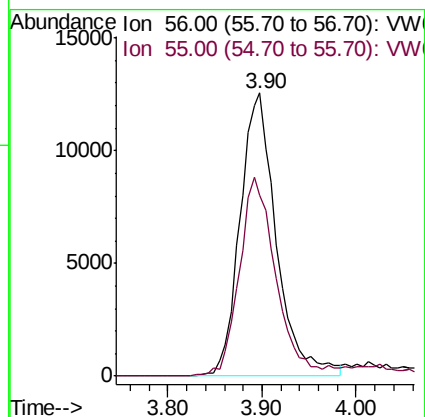
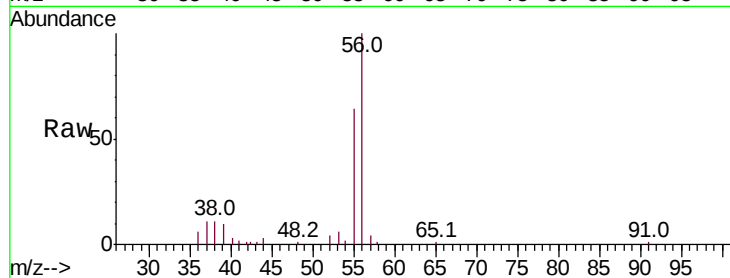
55 70.1 55.8 83.8

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#14

Allyl chloride

Concen: 56.813 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

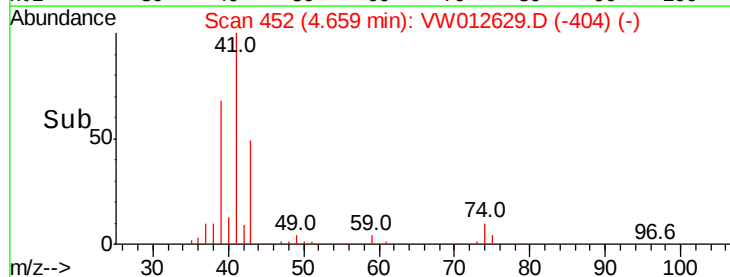
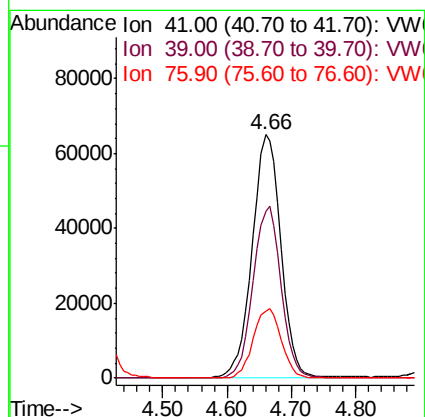
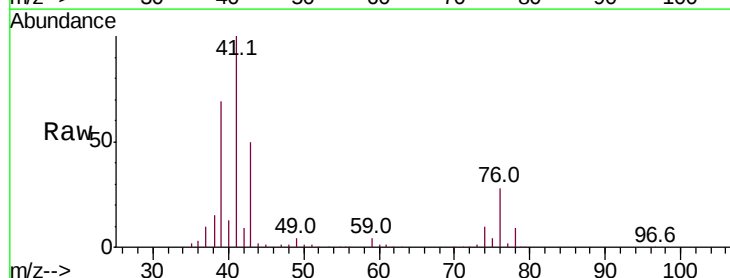
Tgt Ion: 41 Resp: 199584

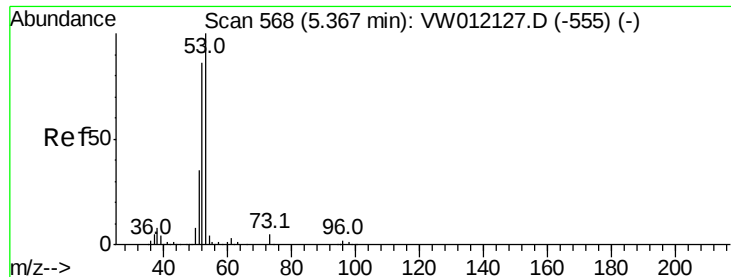
Ion Ratio Lower Upper

41 100

39 68.6 53.4 80.2

76 27.8 22.1 33.1





#15

Acrylonitrile

Concen: 416.831 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

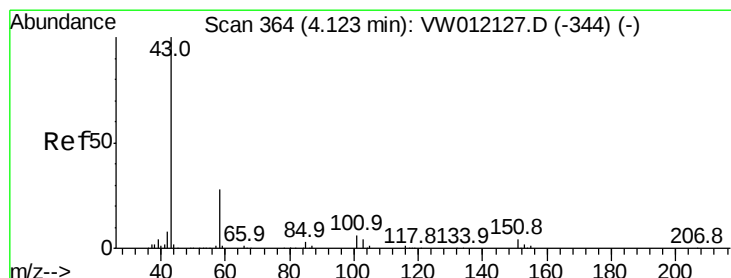
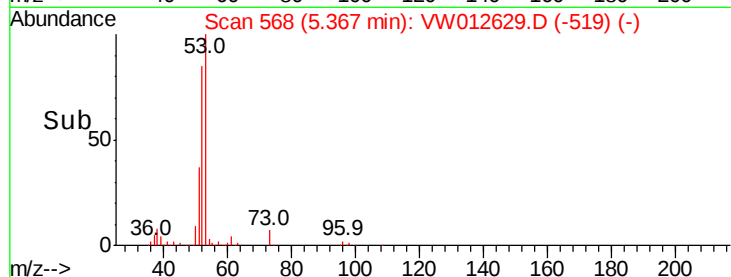
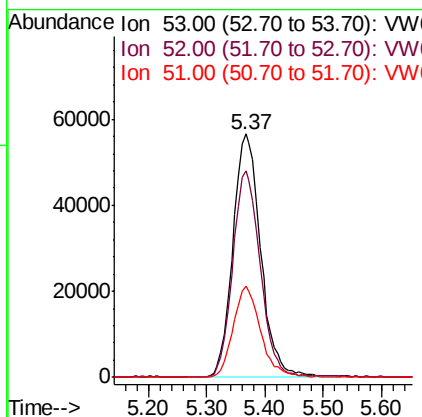
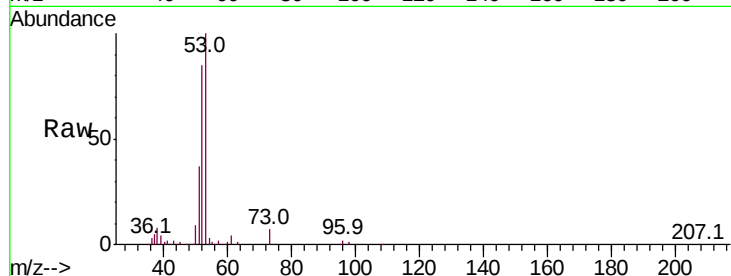
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	188360
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.7	100.1
51	37.0	30.1	45.1

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#16

Acetone

Concen: 322.719 ug/l

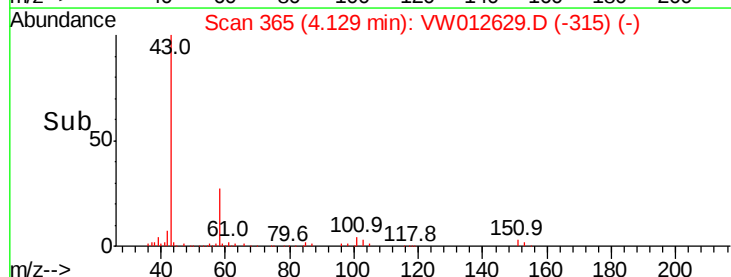
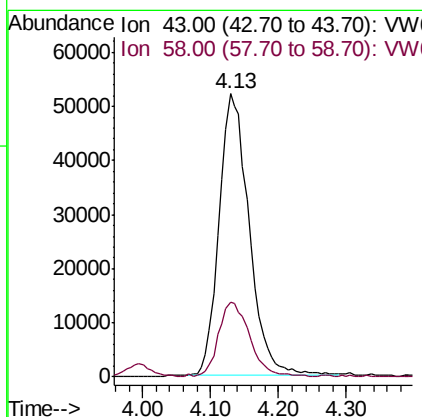
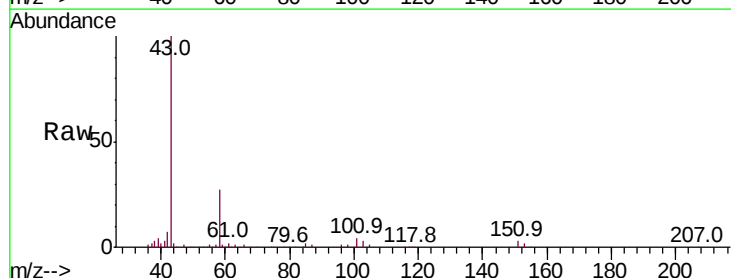
RT: 4.13 min Scan# 365

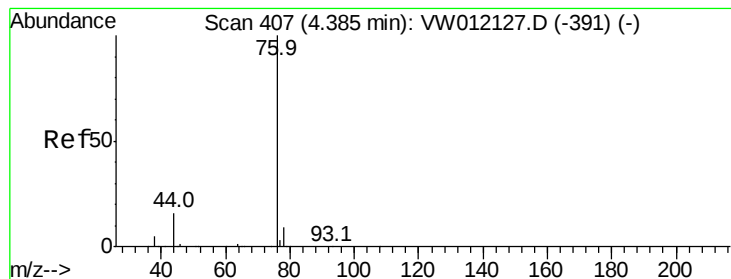
Delta R.T. 0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	43	Resp:	160655
Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.4	33.6





#17

Carbon Disulfide

Concen: 44.424 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 220620

Ion Ratio Lower Upper

76 100

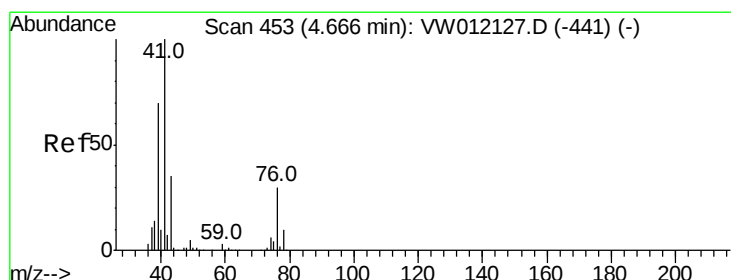
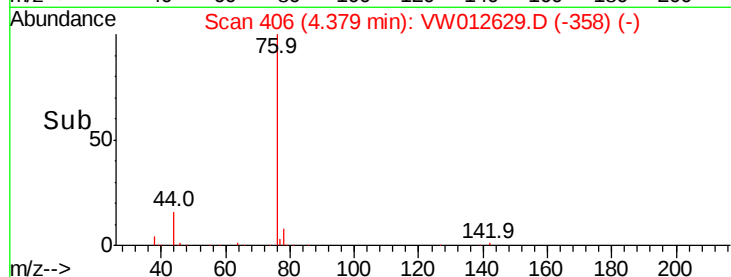
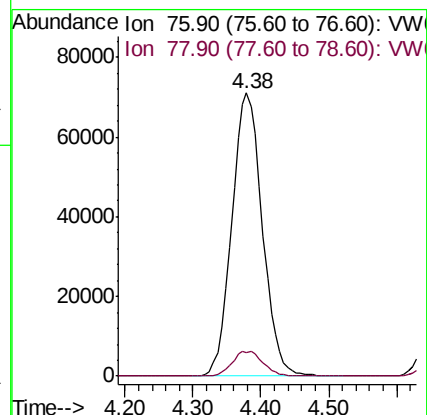
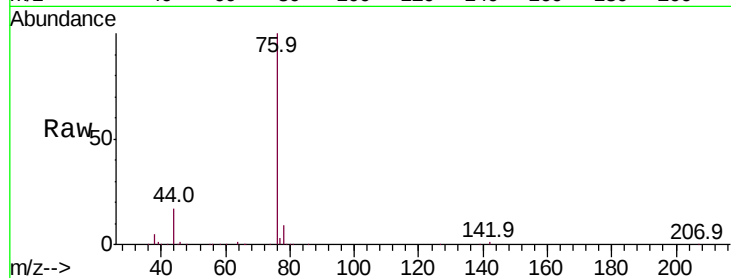
78 8.5 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 91.868 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012629.D

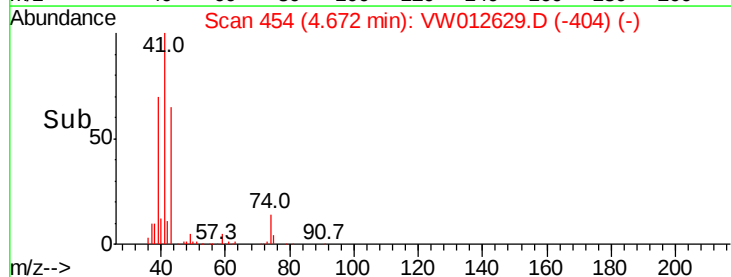
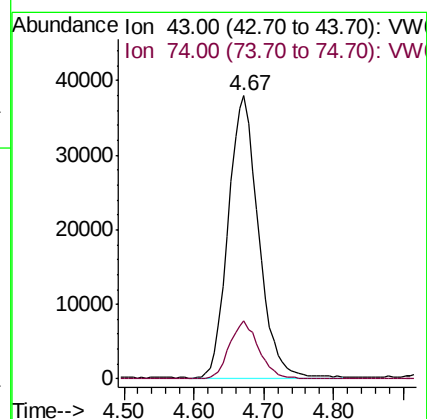
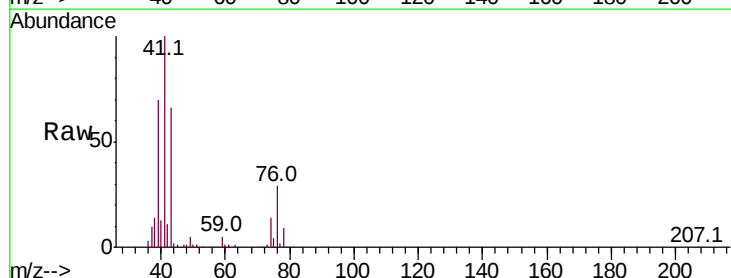
Acq: 05 Sep 2019 09:37

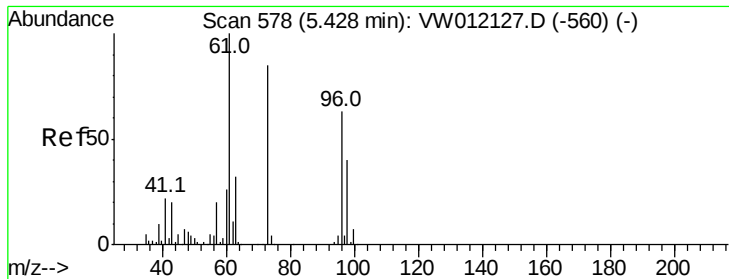
Tgt Ion: 43 Resp: 113274

Ion Ratio Lower Upper

43 100

74 20.1 15.7 23.5





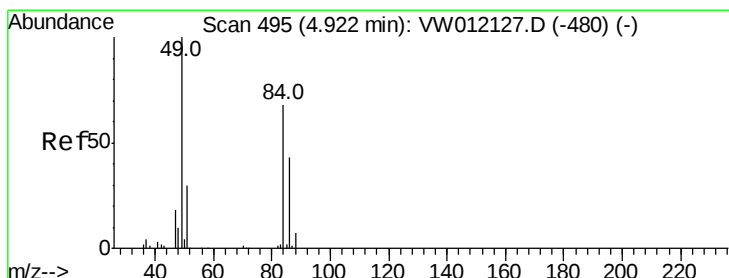
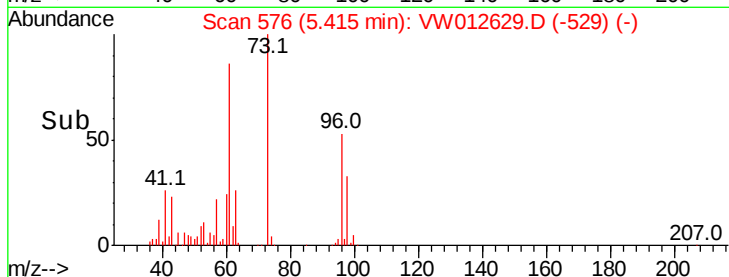
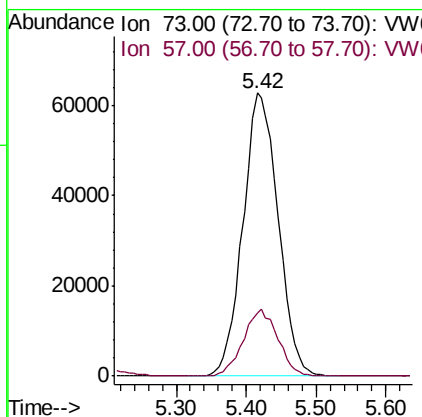
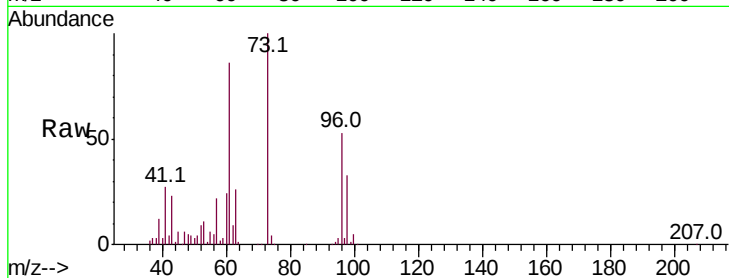
#19
Methvl tert-butvl Ether
Concen: 82.417 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 219013
Ion Ratio Lower Upper
73 100
57 22.4 18.9 28.3

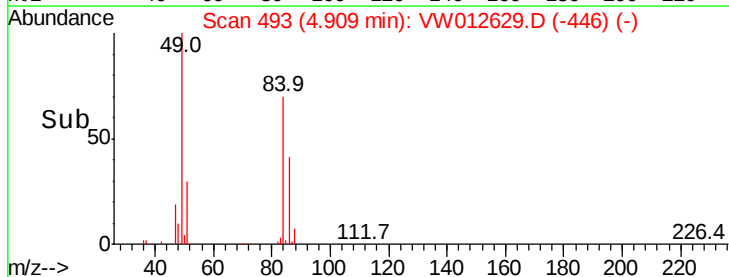
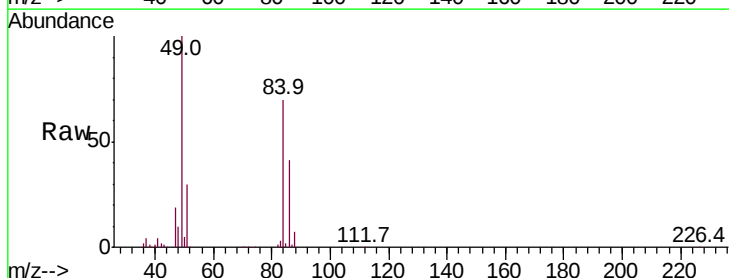
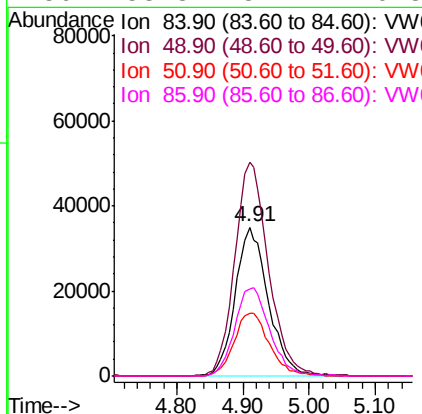
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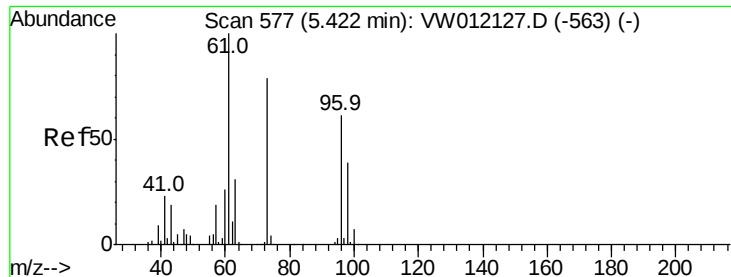
MMDadoda
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#20
Methylene Chloride
Concen: 64.420 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion: 84 Resp: 121234
Ion Ratio Lower Upper
84 100
49 143.3 117.8 176.8
51 42.3 35.6 53.4
86 58.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 56.739 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 99982

Ion Ratio Lower Upper

96 100

61 161.6 131.4 197.0

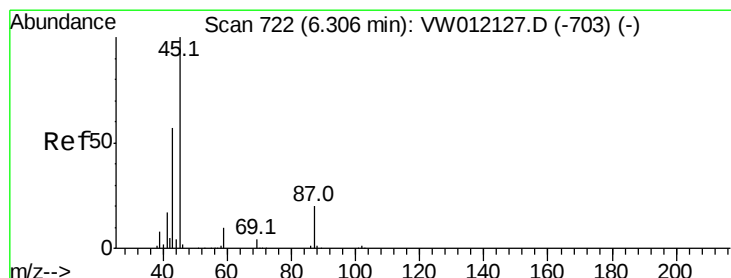
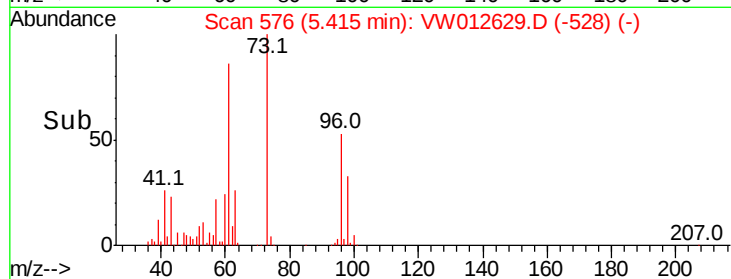
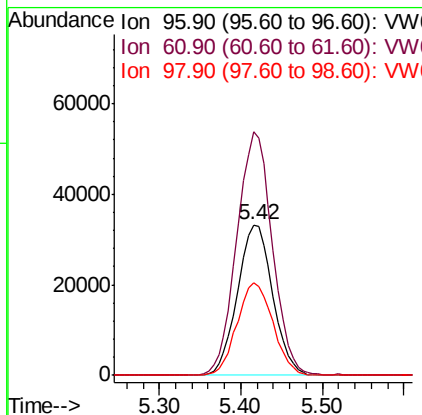
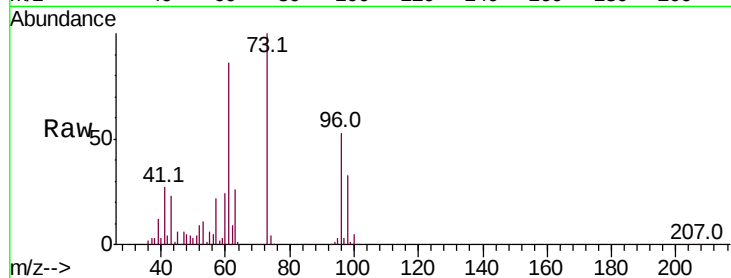
98 61.7 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 69.647 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tgt Ion: 45 Resp: 453519

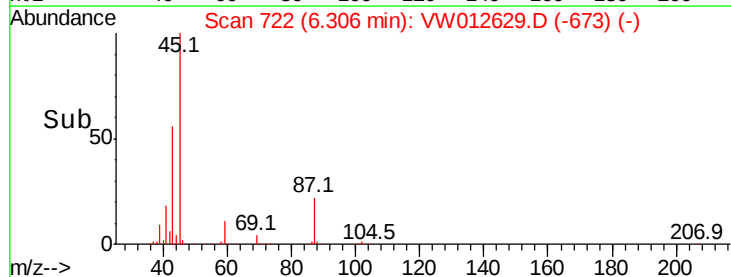
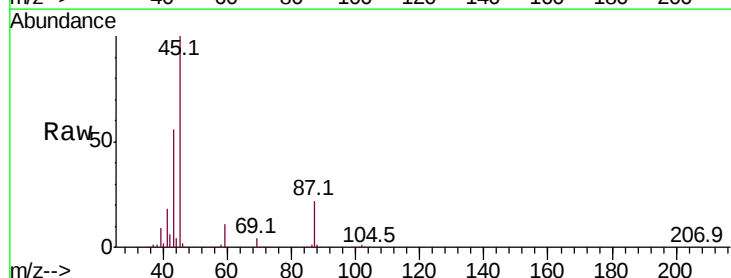
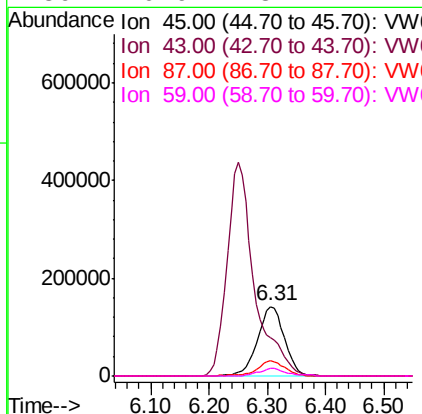
Ion Ratio Lower Upper

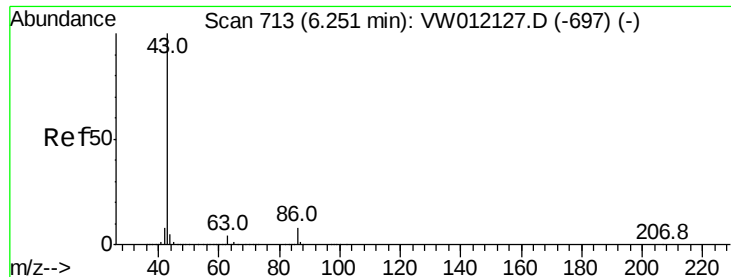
45 100

43 56.1 45.5 68.3

87 22.1 16.1 24.1

59 10.9 8.2 12.2





#23

Vinyl Acetate

Concen: 356.459 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tot Ion: 43 Resp: 1428474

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

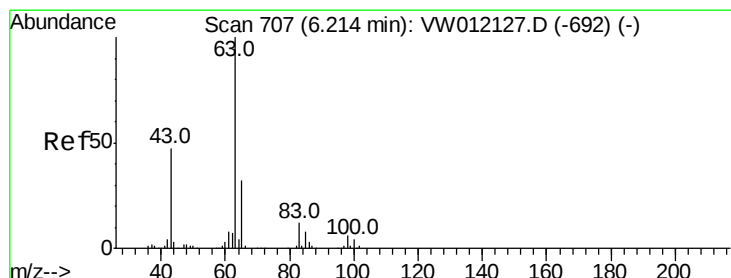
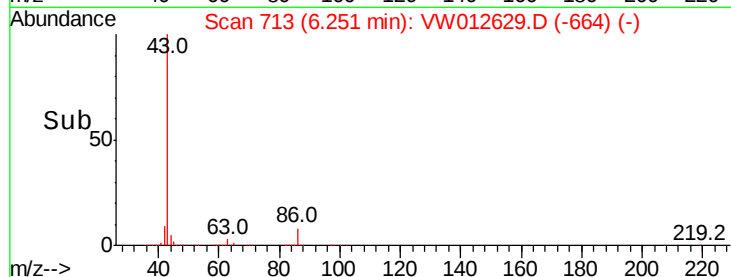
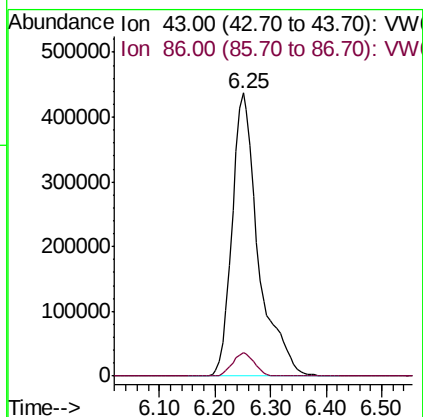
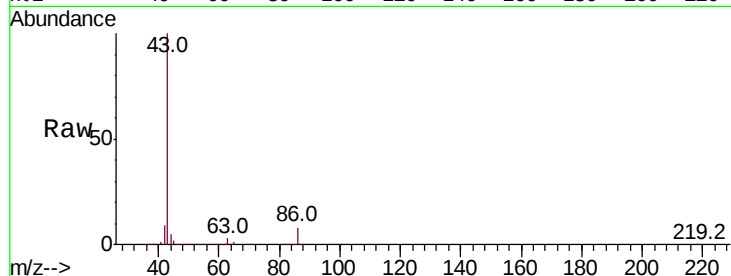
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 63.235 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

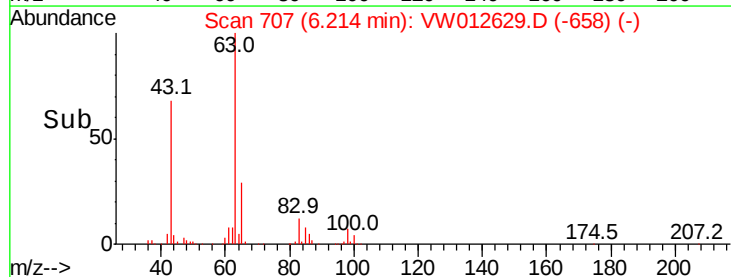
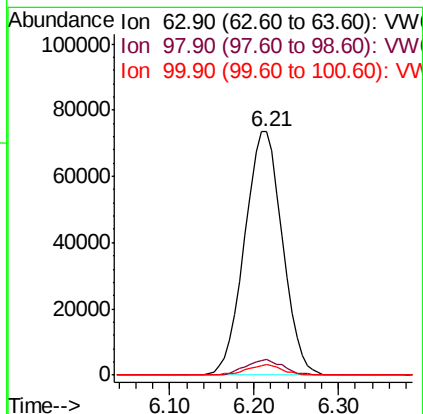
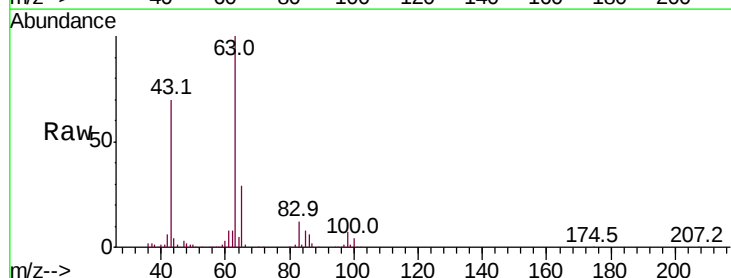
Tgt Ion: 63 Resp: 224200

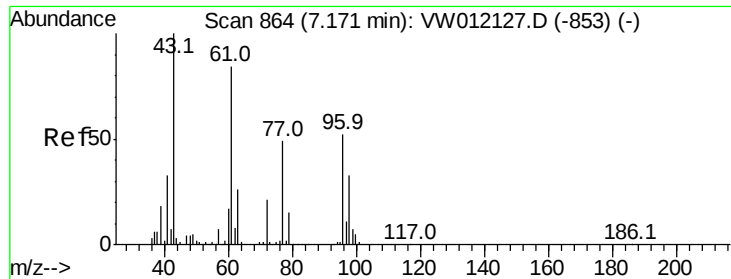
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 387.775 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 262320

Ion Ratio Lower Upper

43 100

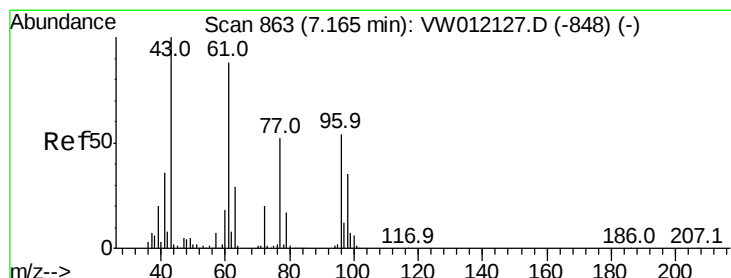
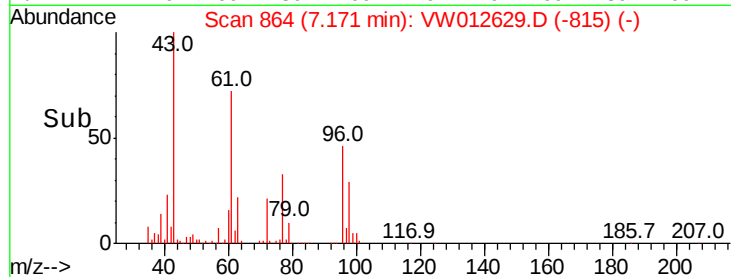
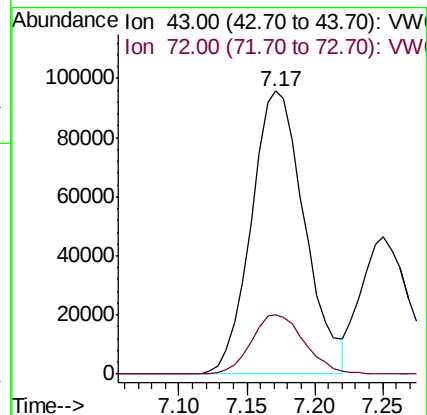
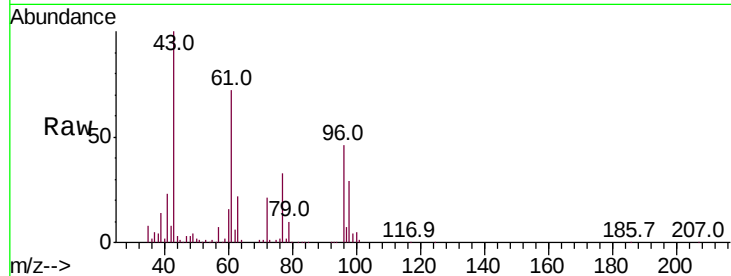
72 21.1 16.6 24.8

Manual Integrations

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9/7/2019 12:46:12 AM



#26

2,2-Dichloropropane

Concen: 49.780 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012629.D

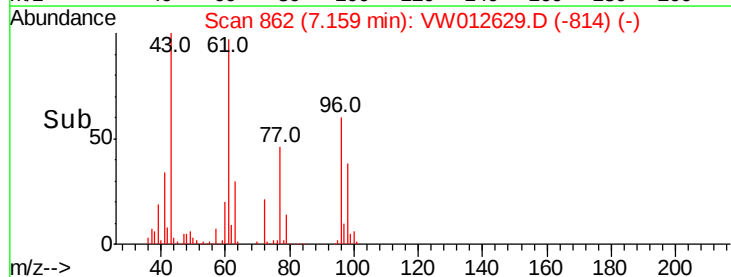
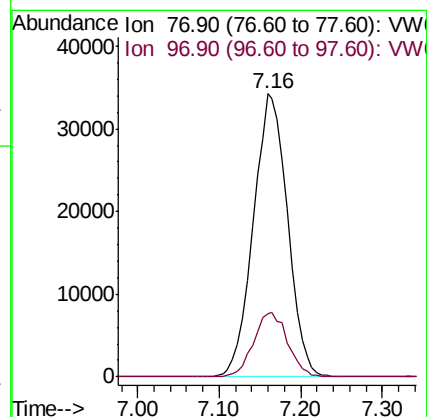
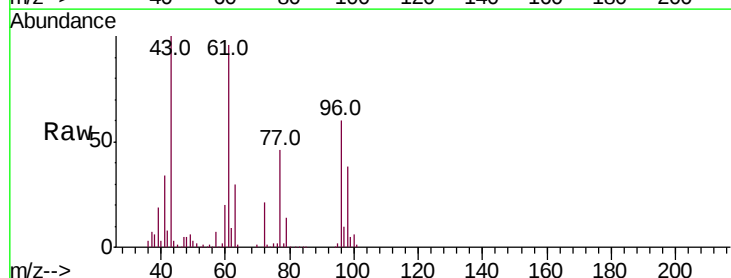
Acq: 05 Sep 2019 09:37

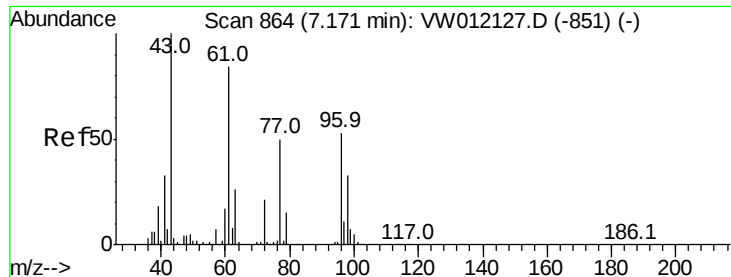
Tgt Ion: 77 Resp: 99899

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.1





#27

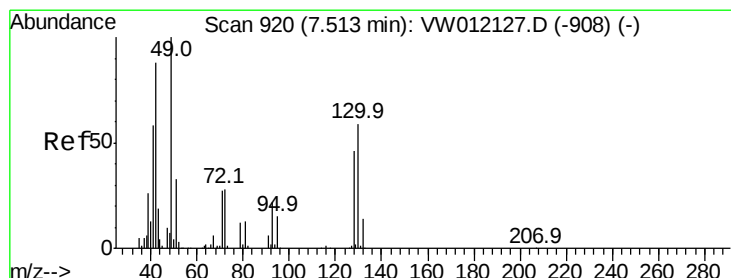
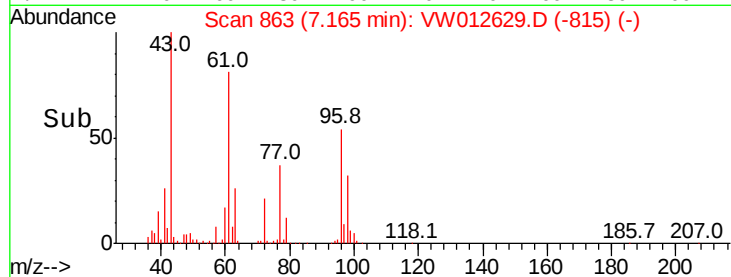
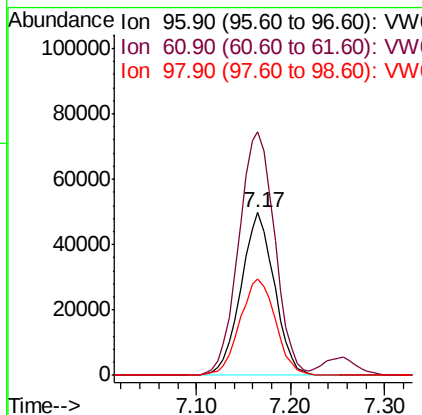
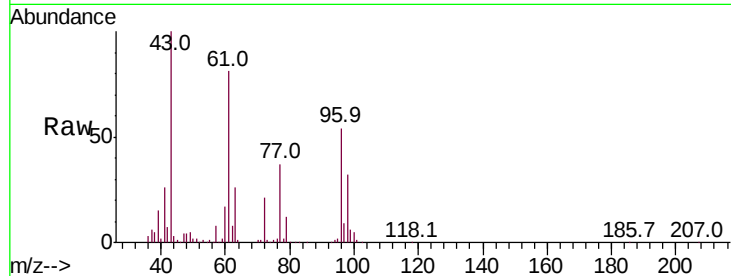
cis-1,2-Dichloroethene
Concen: 65.458 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	123236		
61	160.5	0.0	326.6	
98	62.9	0.0	127.4	

Manual Integrations
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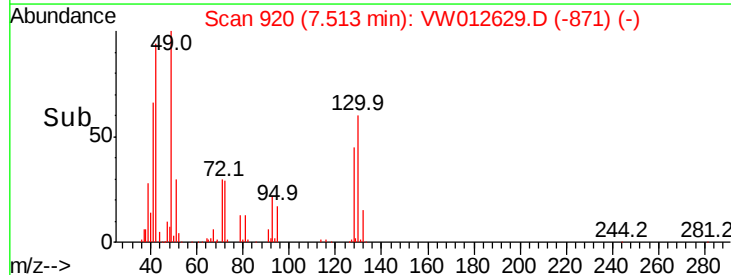
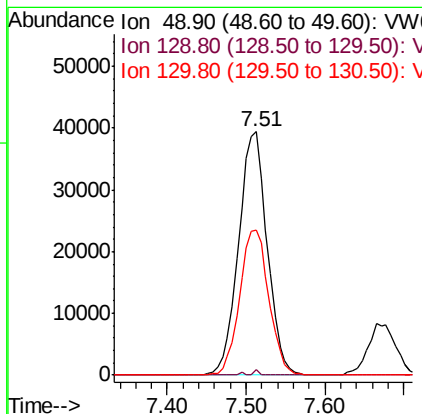
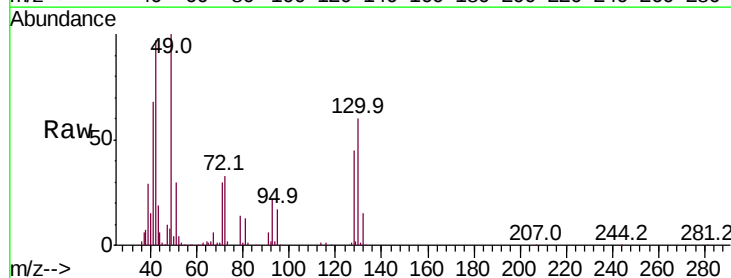
MMDadoda
9/7/2019 12:46:12 AM

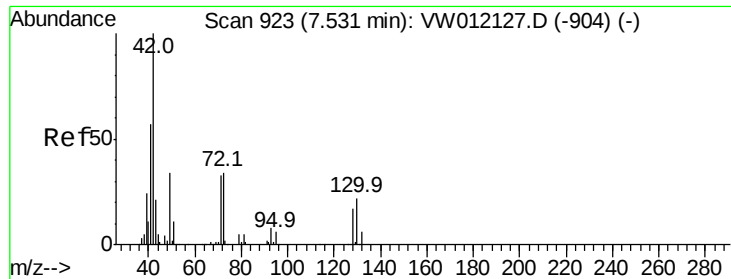


#28

Bromochloromethane
Concen: 64.371 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99473		
129	0.3	0.0	1.4	
130	60.6	45.5	68.3	





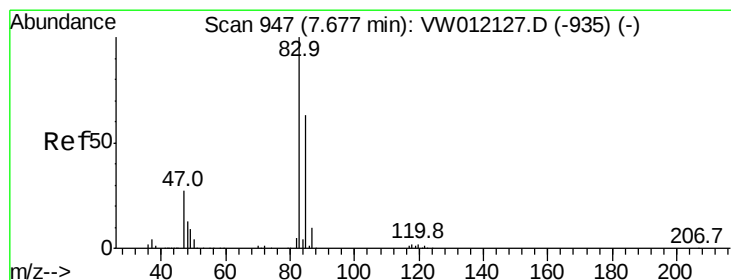
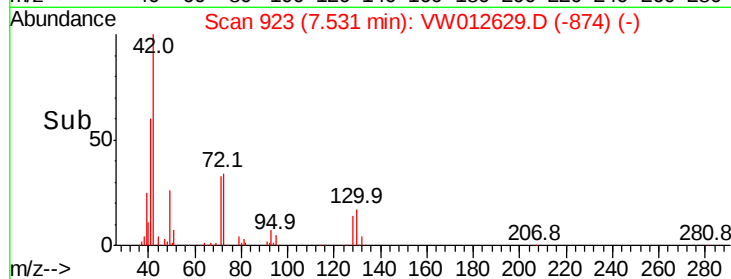
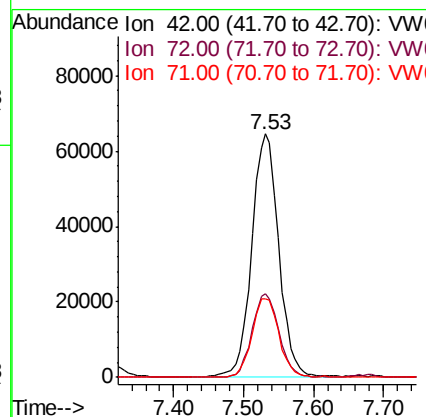
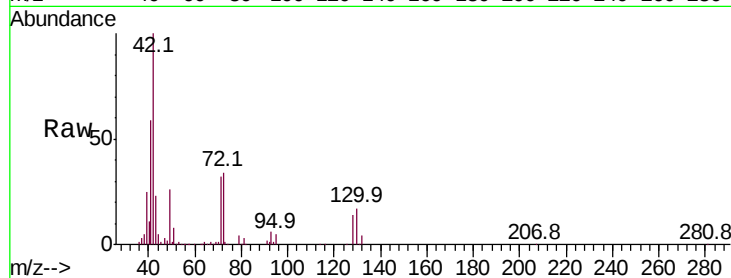
#29
Tetrahydrofuran
Concen: 424.379 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.3	40.9
71	32.5	25.5	38.3

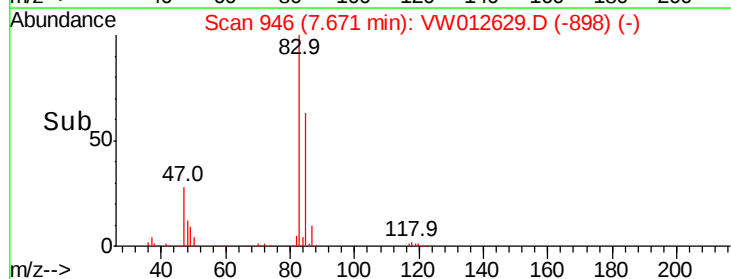
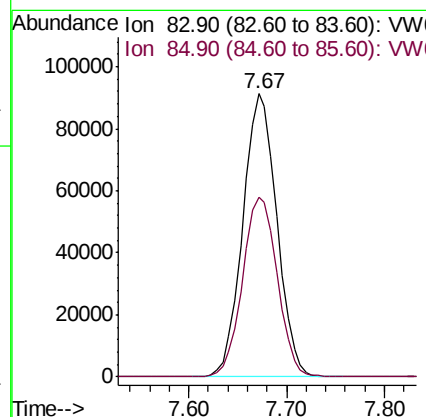
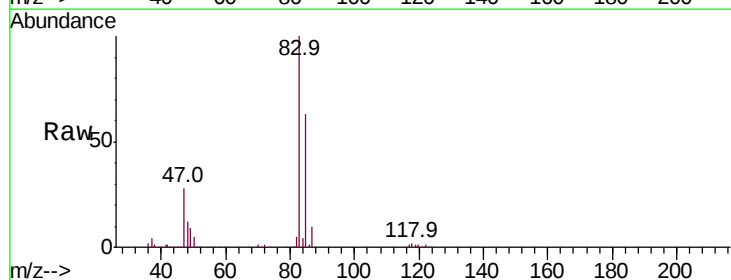
Manual Integrations
APPROVED

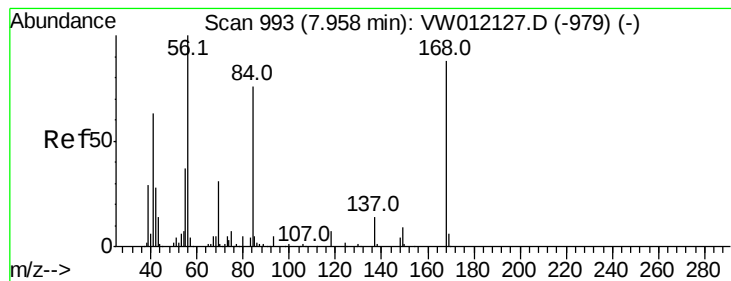
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9/7/2019 12:46:12 AM



#30
Chloroform
Concen: 67.712 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0





#31

Cyclohexane

Concen: 41.499 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 145571

Ion Ratio Lower Upper

56 100

69 31.9 24.9 37.3

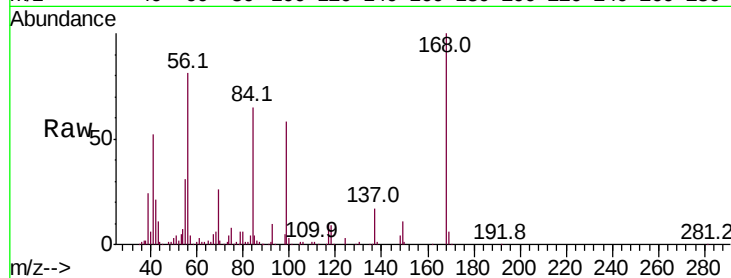
84 78.9 60.6 90.8

Manual Integrations

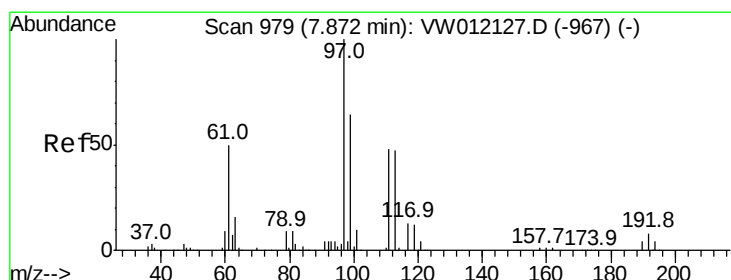
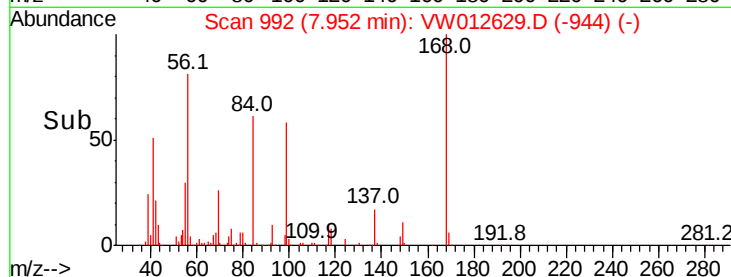
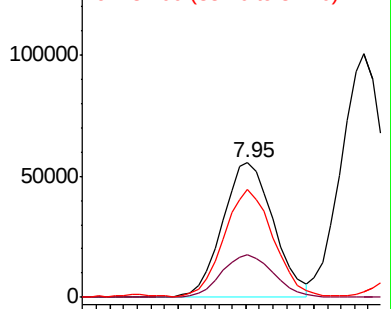
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 61.101 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

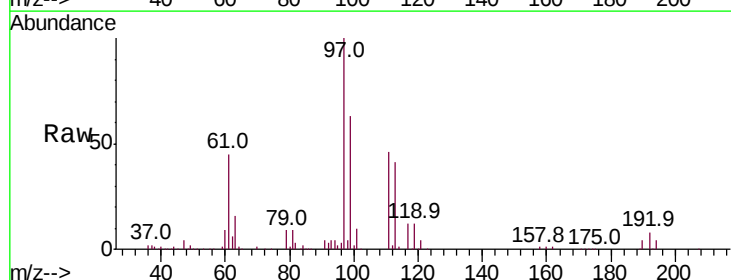
Tgt Ion: 97 Resp: 156789

Ion Ratio Lower Upper

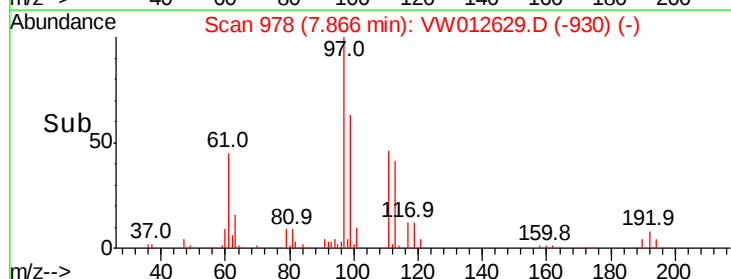
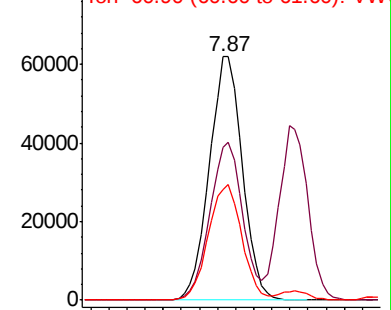
97 100

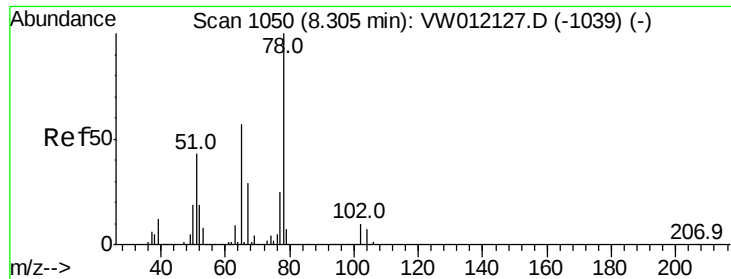
99 64.4 51.4 77.0

61 47.9 39.5 59.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





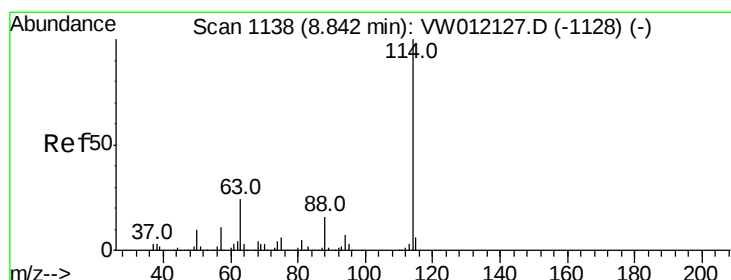
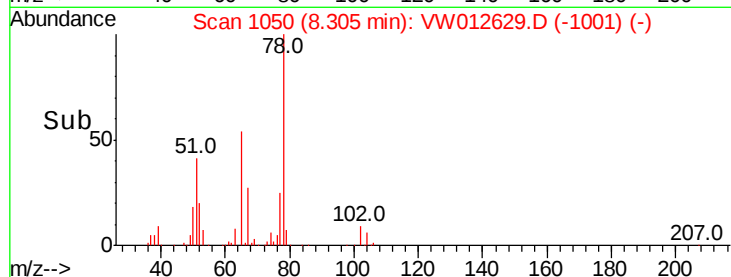
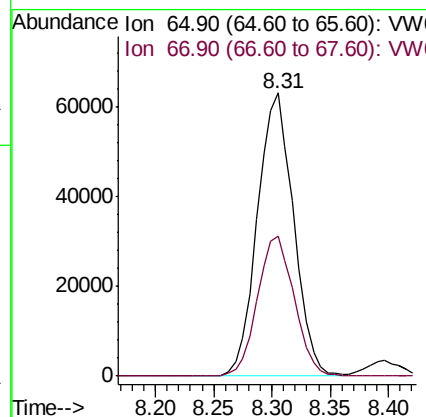
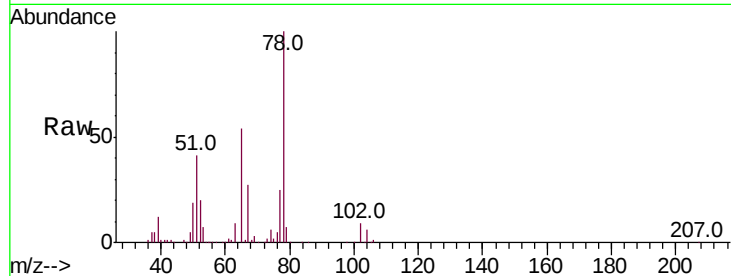
#33
 1,2-Dichloroethane-d4
 Concen: 70.190 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	102.6

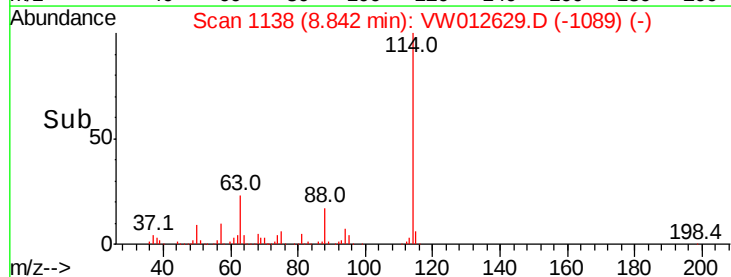
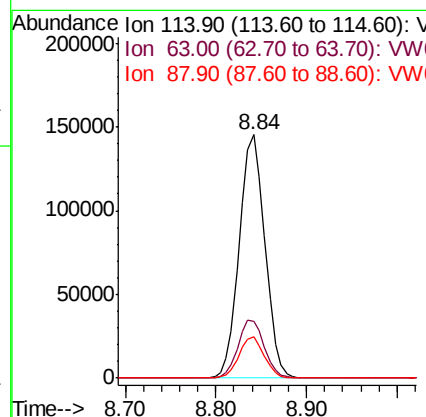
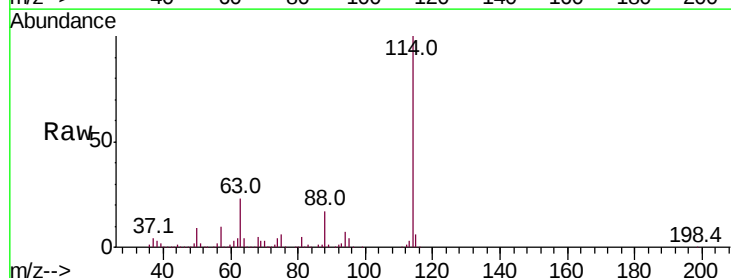
Manual Integrations
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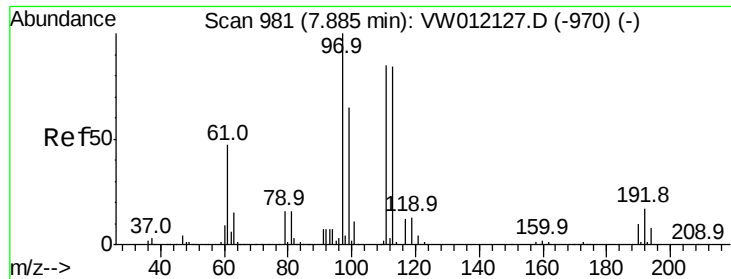
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 9/7/2019 12:46:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	48.6
88	17.1	0.0	32.2





#35

Dibromofluoromethane

Concen: 58.401 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

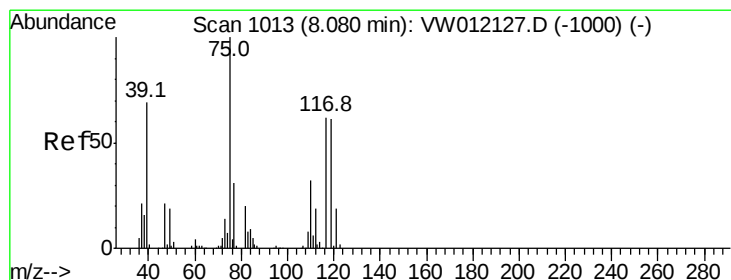
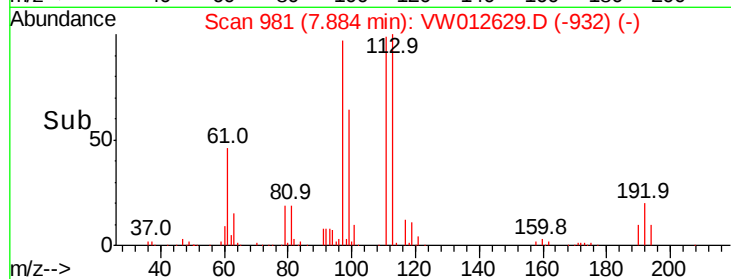
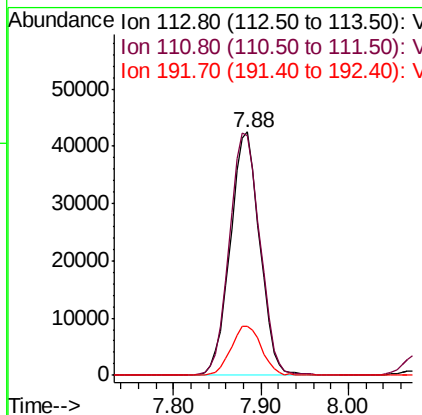
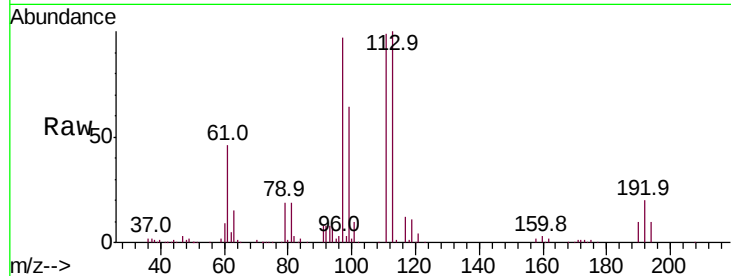
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	99597
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.7	124.1
192	21.2	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.536 ug/l

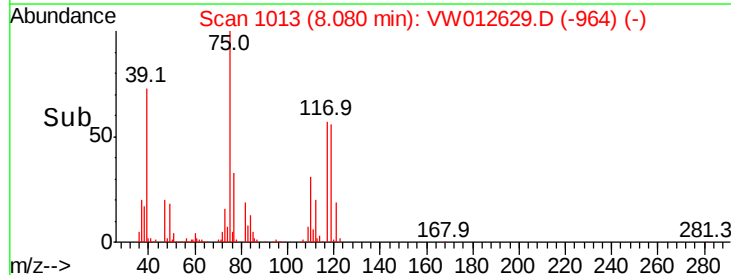
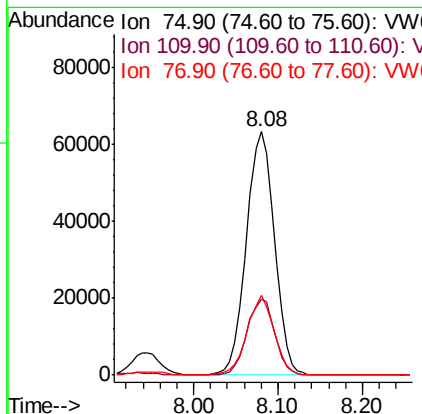
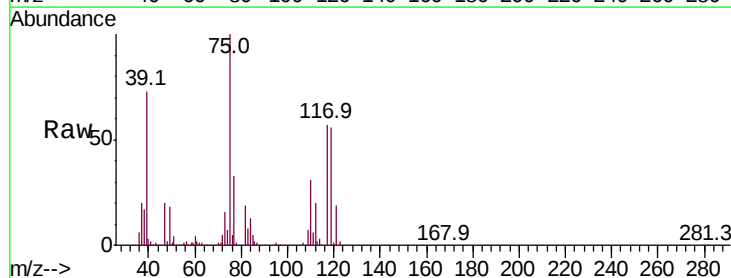
RT: 8.08 min Scan# 1013

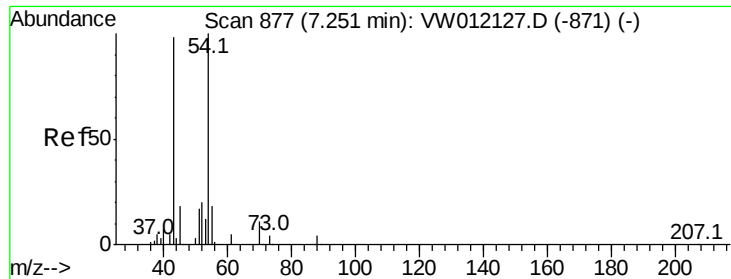
Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	75	Resp:	143299
Ion Ratio	Lower	Upper	
75	100		
110	30.9	15.6	46.8
77	31.3	24.6	36.8





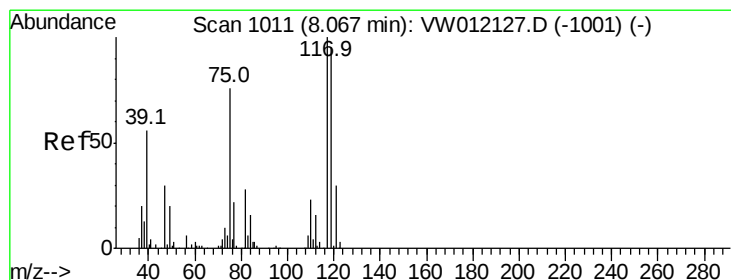
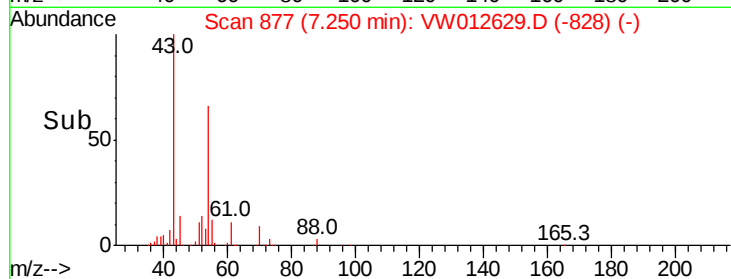
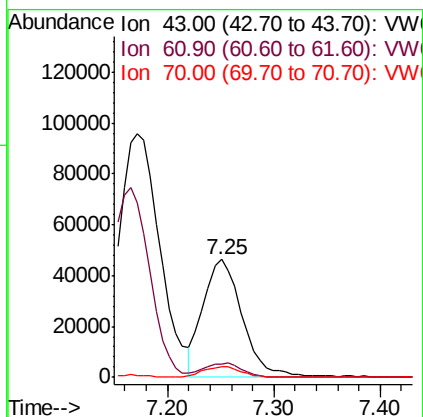
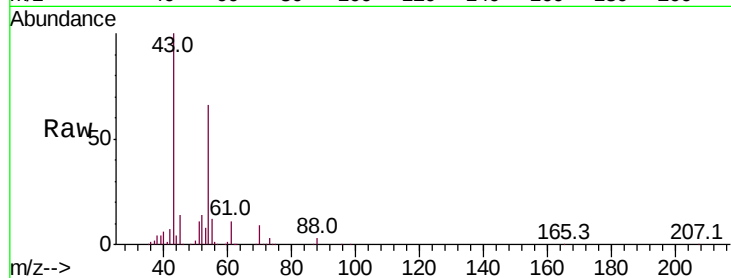
#37
Ethyl Acetate
Concen: 71.702 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.2	13.8
70	9.4	6.9	10.3

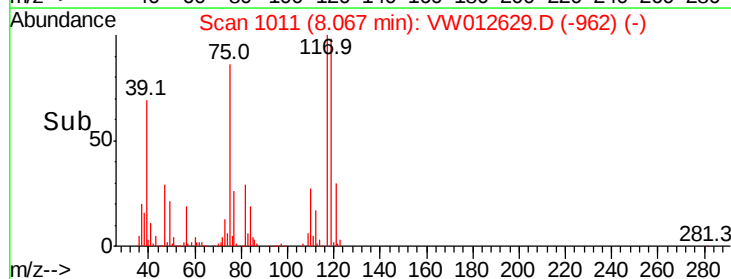
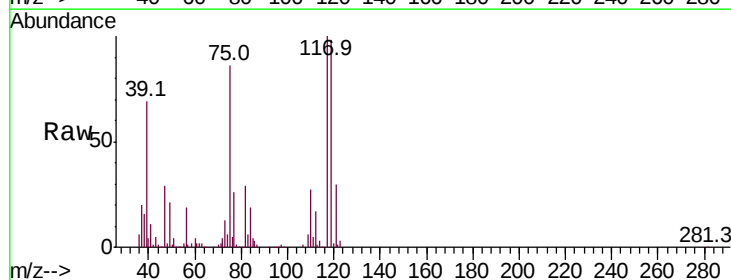
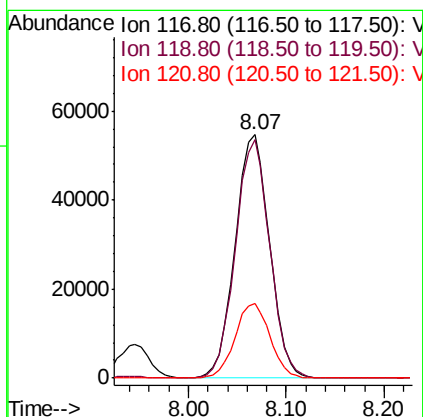
Manual Integrations
APPROVED

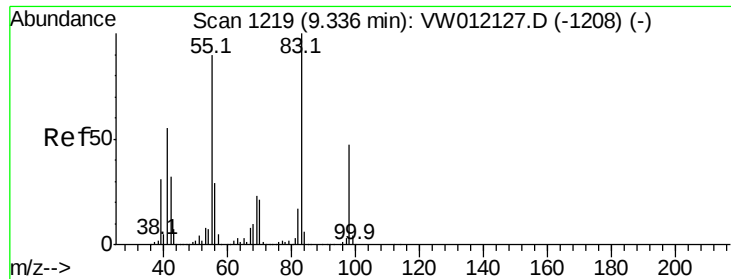
MMDadoda
9/7/2019 12:46:12 AM



#38
Carbon Tetrachloride
Concen: 52.372 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.2	114.2
121	30.4	23.8	35.8





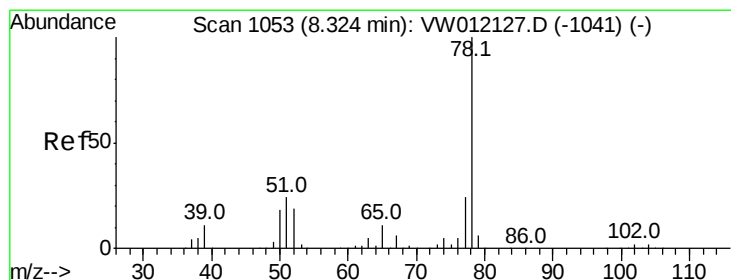
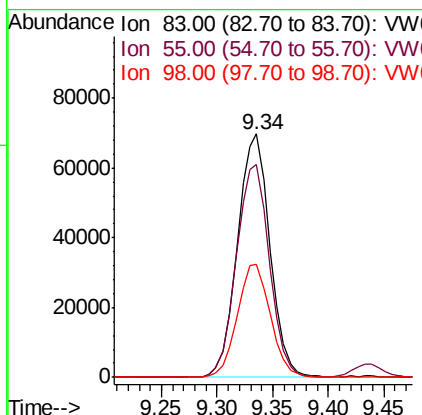
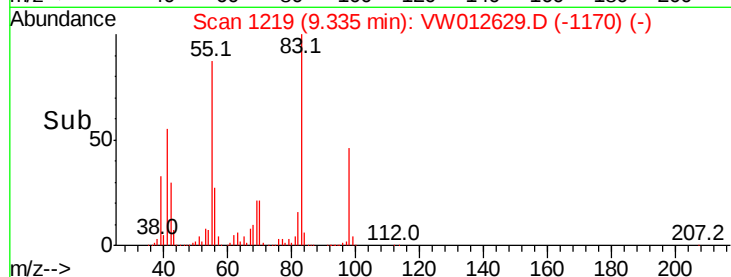
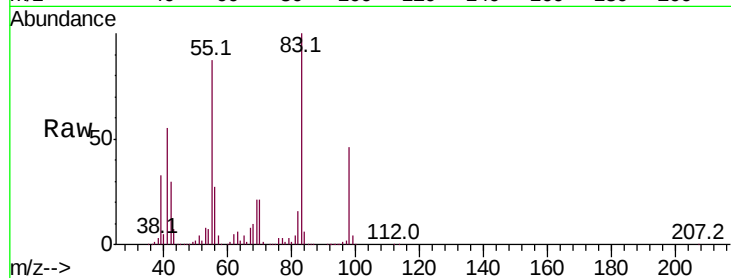
#39
Methvlcvclohexane
Concen: 42.509 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	140997
Ion Ratio	100	Lower	Upper
83	100	71.8	107.8
55	87.3	37.8	56.8
98	46.4		

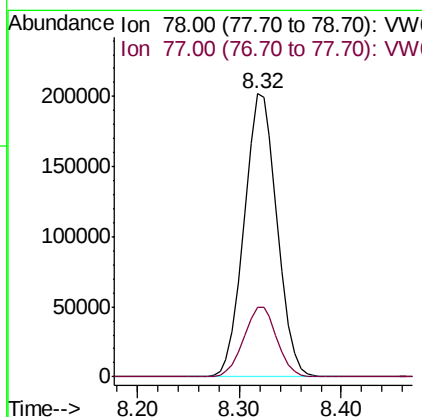
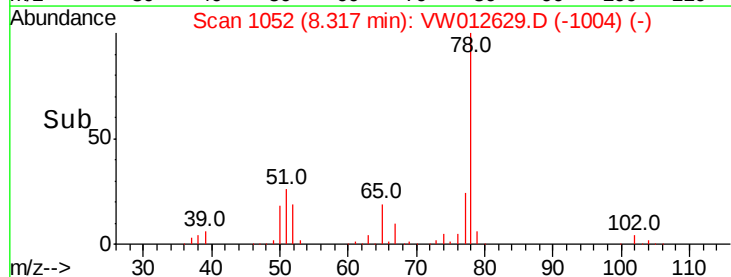
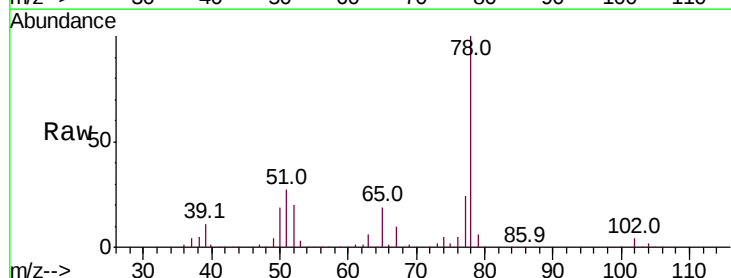
Manual Integrations
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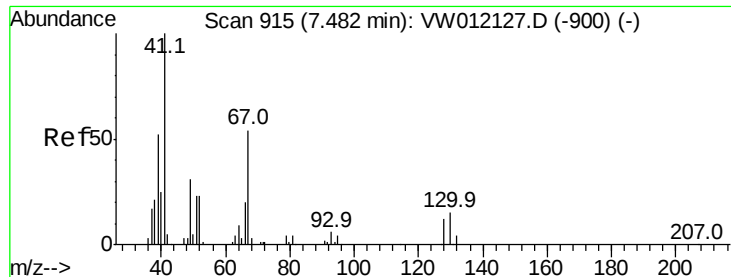
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#40
Benzene
Concen: 56.116 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	78	Resp	452399
Ion Ratio	100	Lower	Upper
78	100	19.5	29.3
77	24.5		





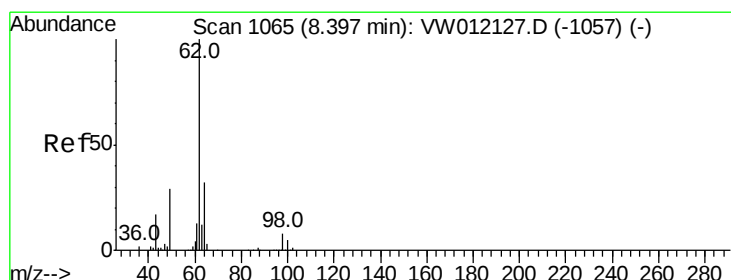
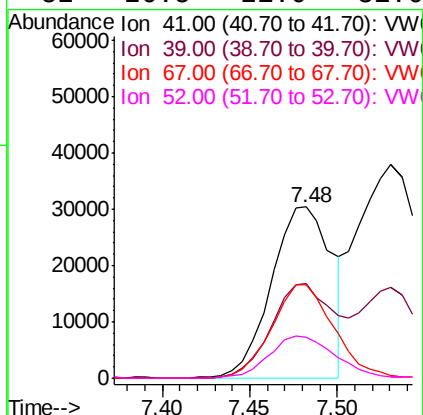
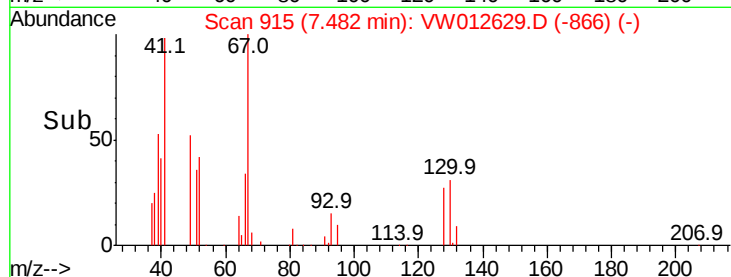
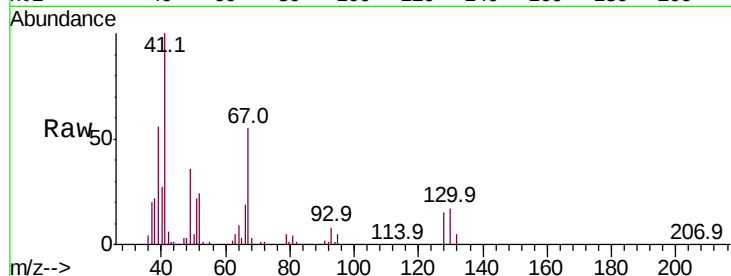
#41
Methacrylonitrile
Concen: 77.446 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.5	45.8	68.8
67	56.6	46.2	69.4
52	26.5	21.0	31.6

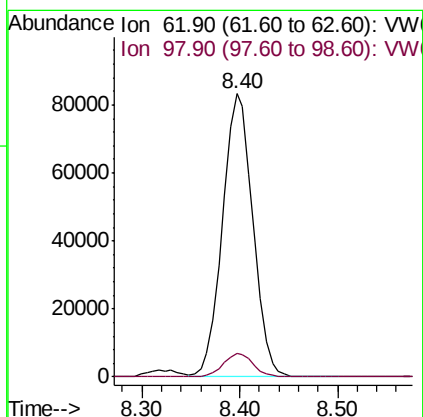
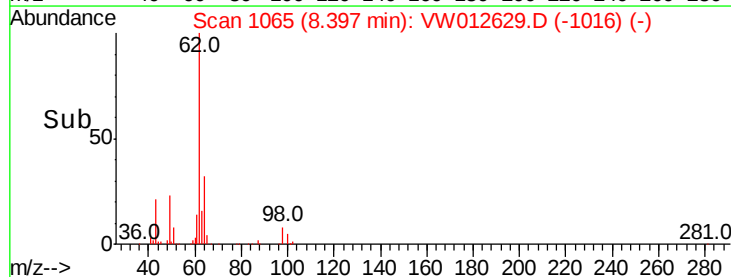
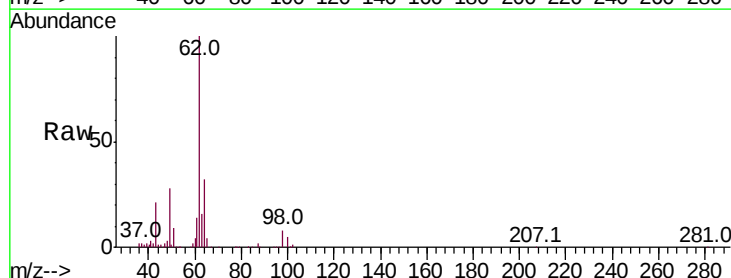
Manual Integrations
APPROVED

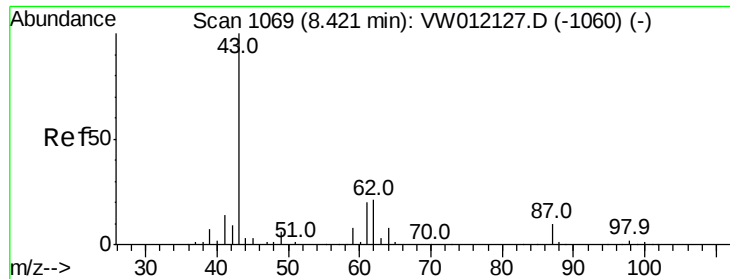
MMDadoda
9/7/2019 12:46:12 AM



#42
1,2-Dichloroethane
Concen: 71.002 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 74.460 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

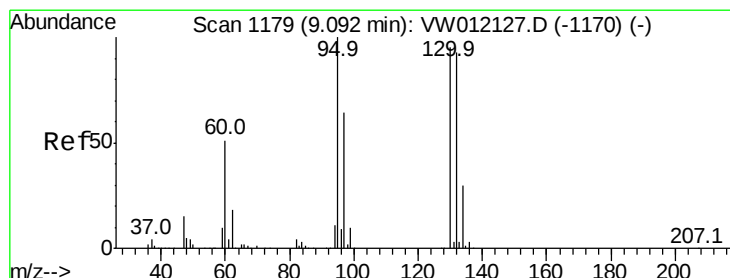
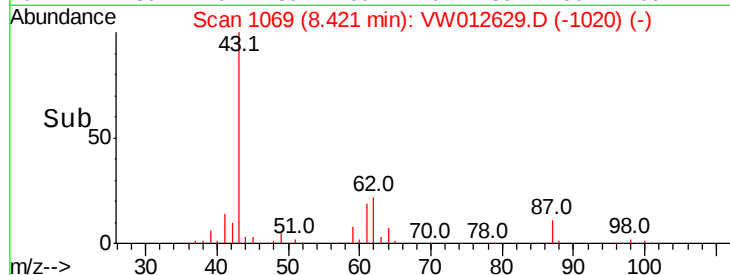
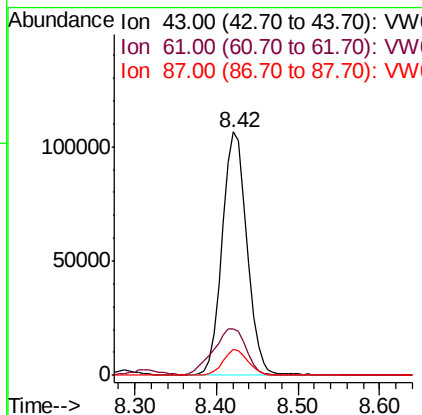
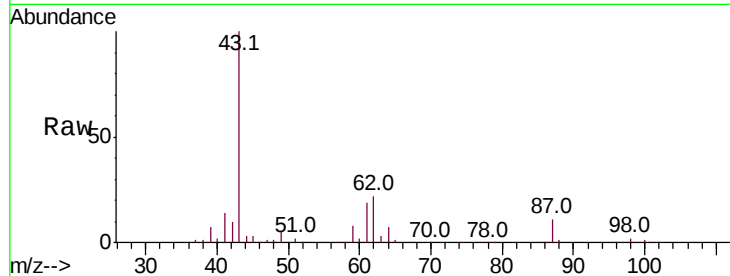
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	223146
Ion	Ratio	Lower	Upper
43	100		
61	25.7	21.1	31.7
87	10.6	8.2	12.2

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#44

Trichloroethene

Concen: 55.660 ug/l

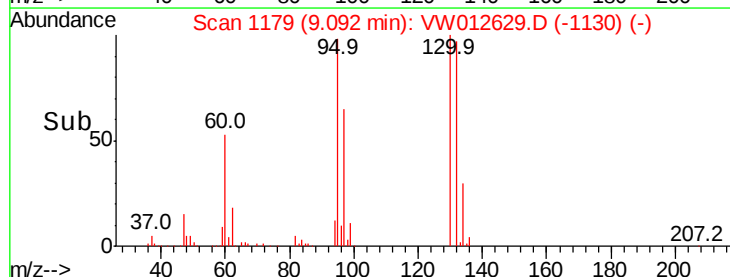
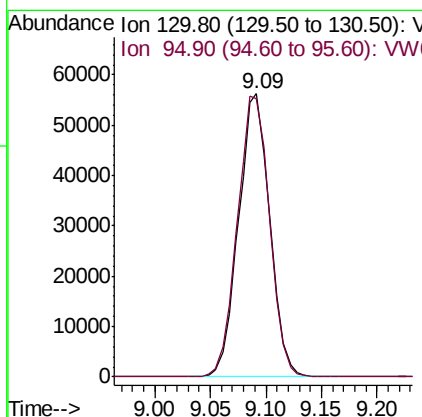
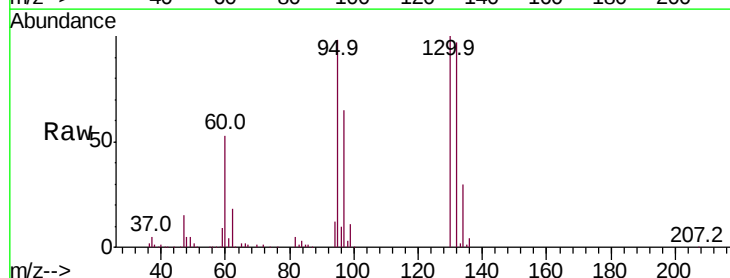
RT: 9.09 min Scan# 1179

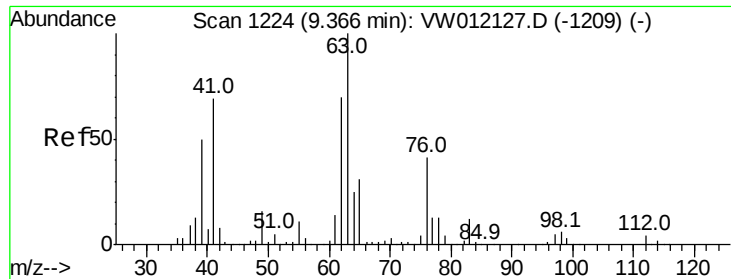
Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	130	Resp:	109083
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	210.6





#45

1,2-Dichloropropane

Concen: 60.541 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 63 Resp: 131355

Ion Ratio Lower Upper

63 100

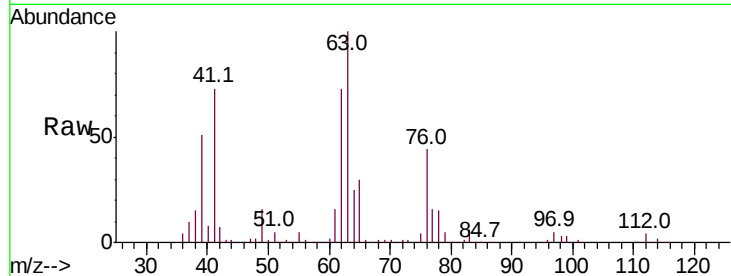
65 30.1 25.0 37.4

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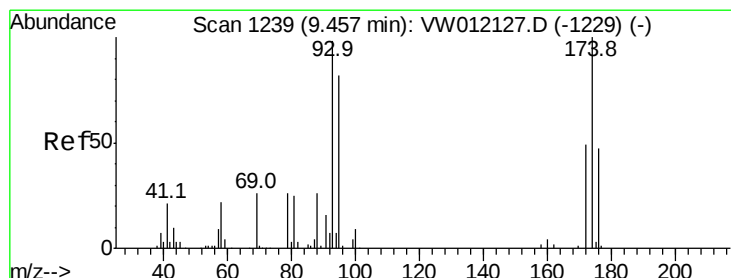
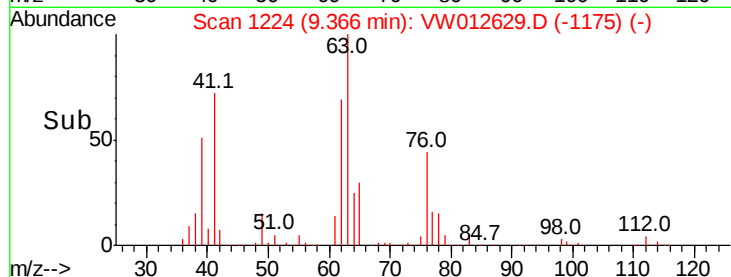
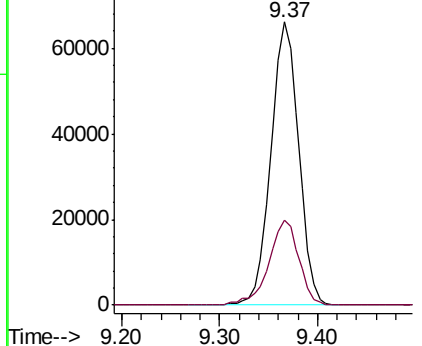
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 69.963 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

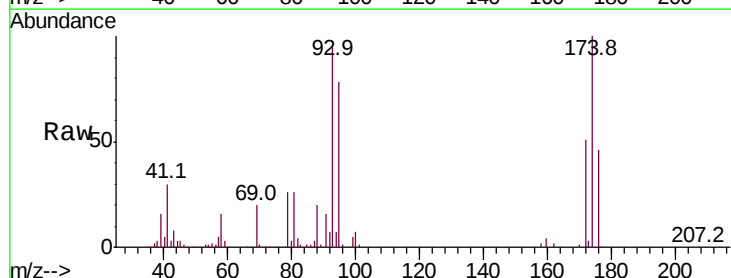
Tgt Ion: 93 Resp: 67540

Ion Ratio Lower Upper

93 100

95 81.3 67.2 100.8

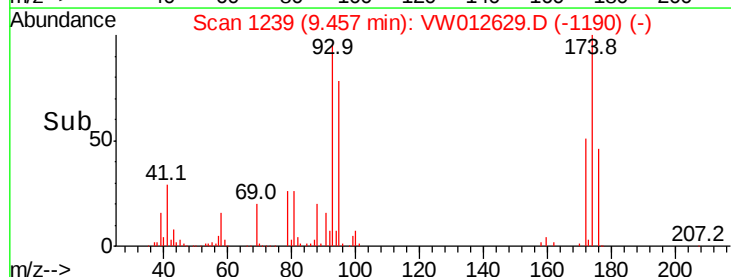
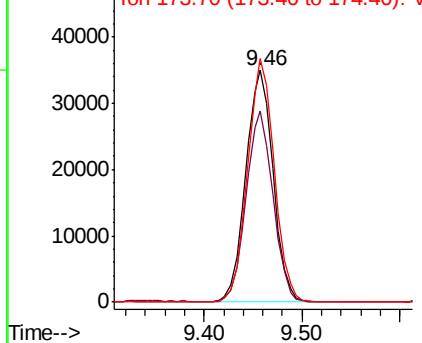
174 102.8 79.0 118.6

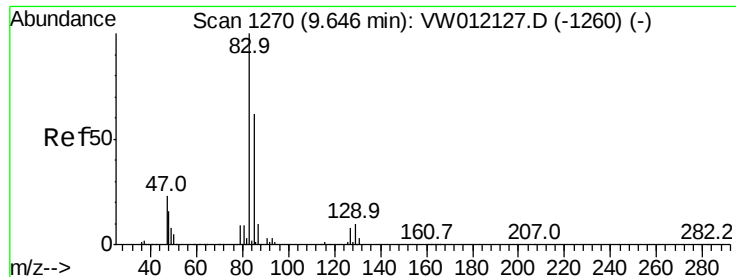


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 67.882 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

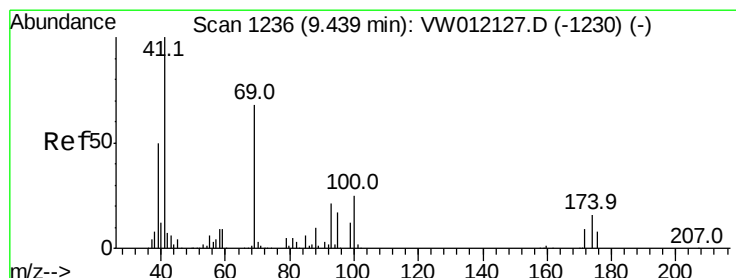
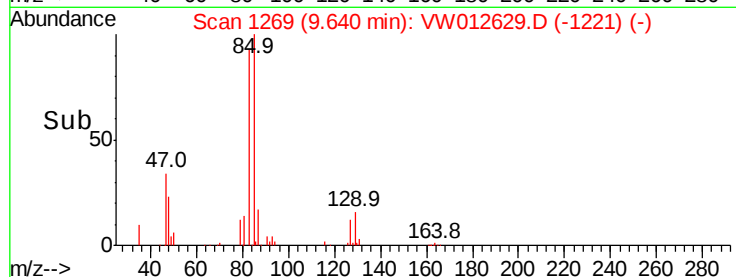
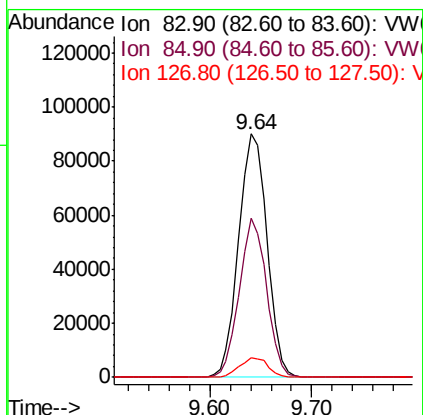
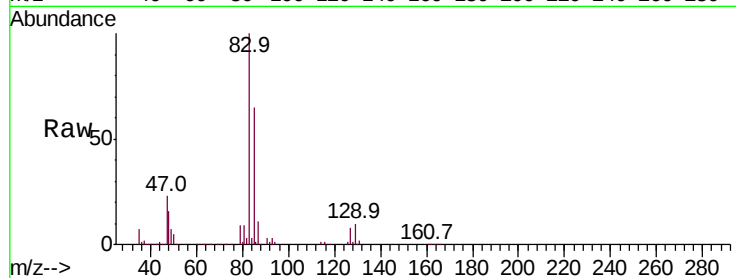
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	174405
Ion Ratio	Lower	Upper	
83	100		
85	65.1	49.4	74.2
127	8.0	6.1	9.1

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#48

Methyl methacrylate

Concen: 81.193 ug/l

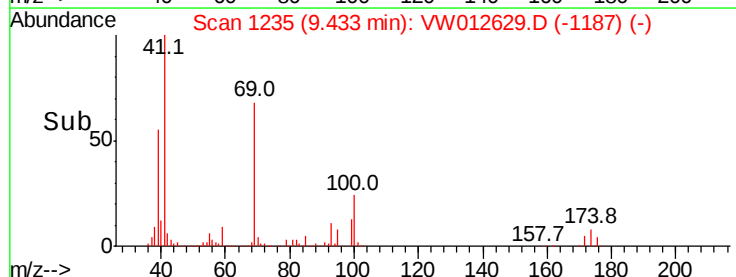
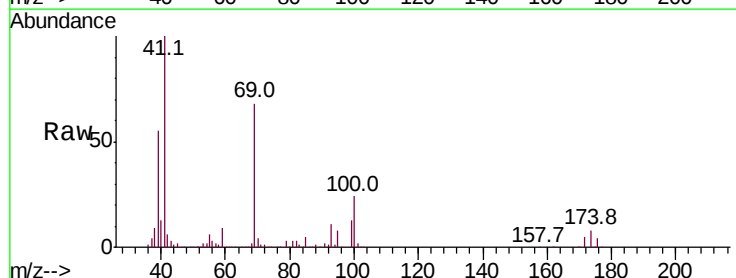
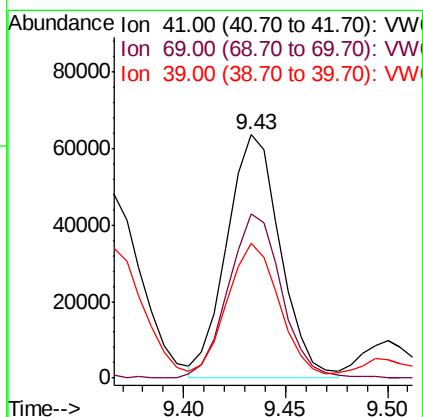
RT: 9.43 min Scan# 1235

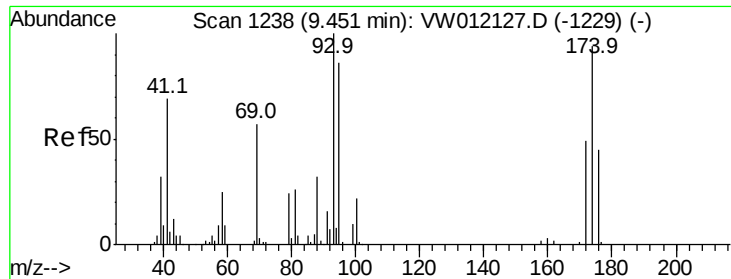
Delta R.T. -0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	41	Resp:	115810
Ion Ratio	Lower	Upper	
41	100		
69	66.8	56.7	85.1
39	54.0	42.0	63.0





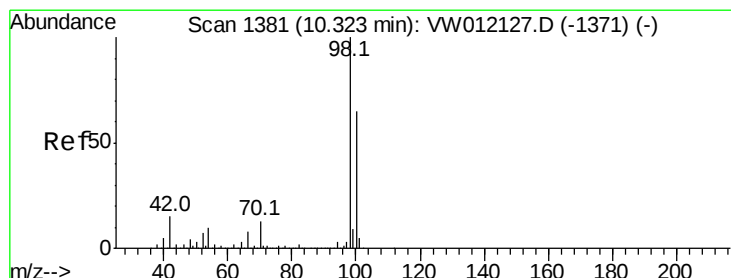
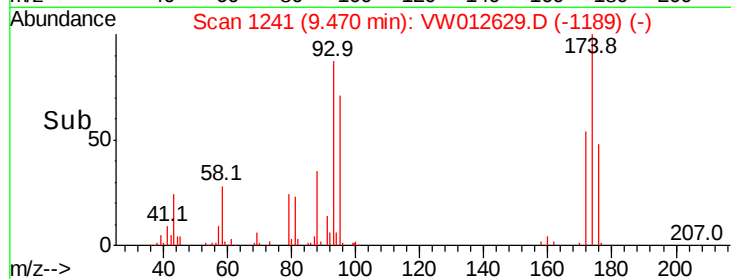
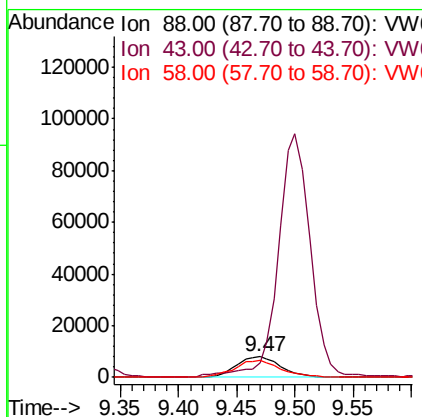
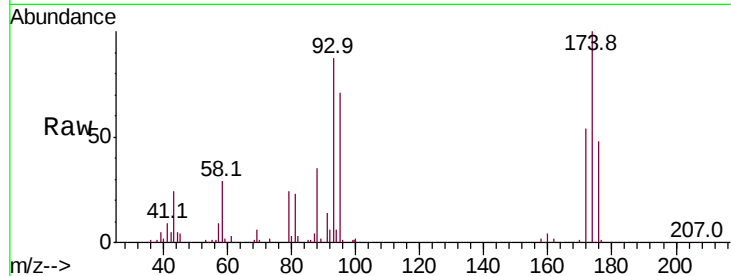
#49
1,4-Dioxane
Concen: 1441.208 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	21299
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	85.4	71.0	106.4

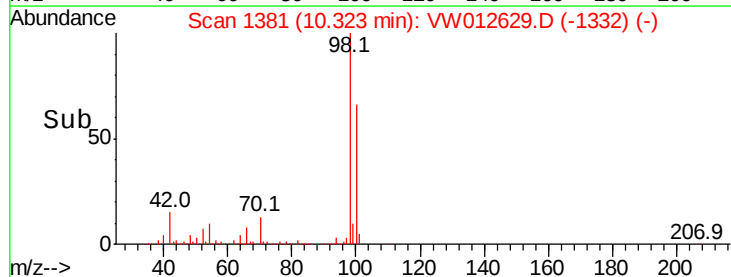
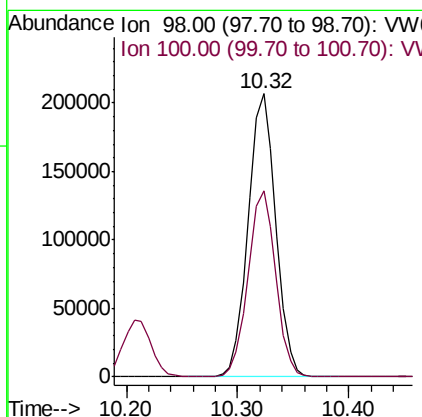
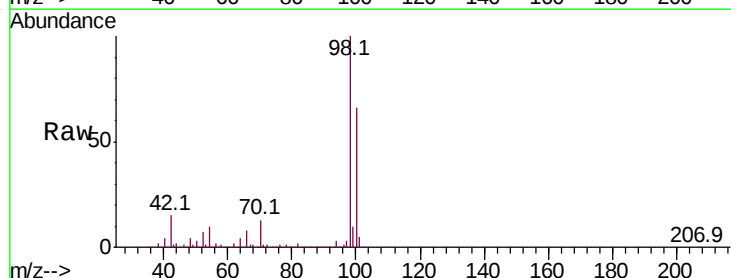
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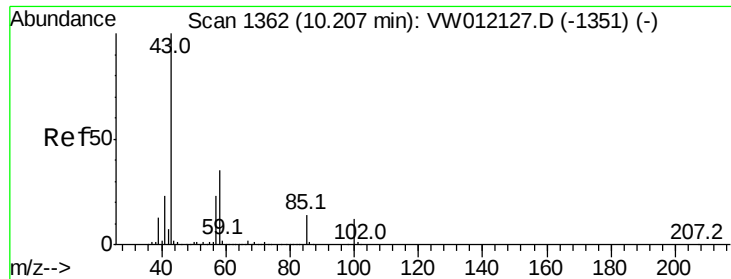
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#50
Toluene-d8
Concen: 51.617 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	98	Resp	356928
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





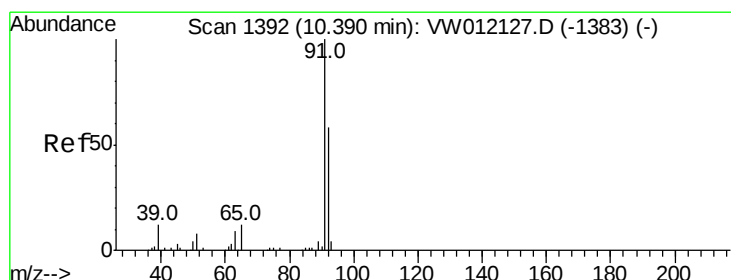
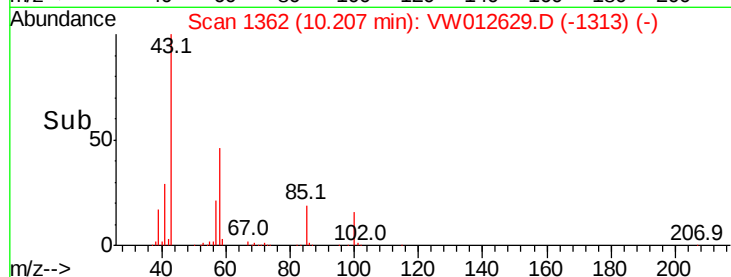
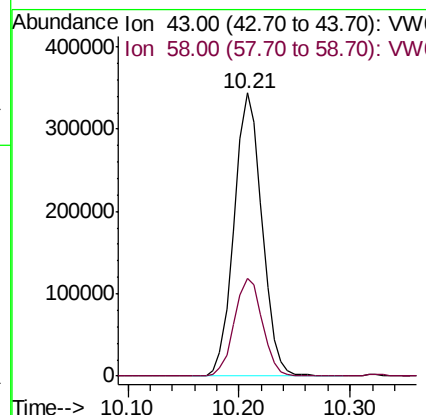
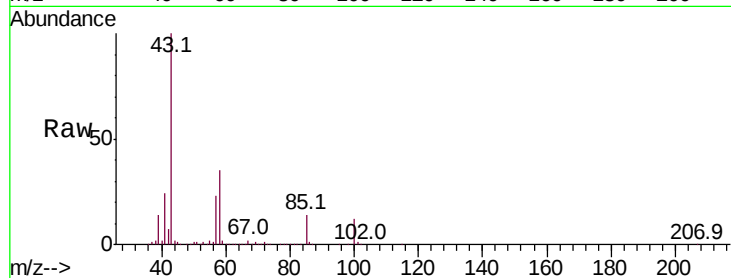
#51
 4-Methyl-2-Pentanone
 Concen: 390.545 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.2	42.2

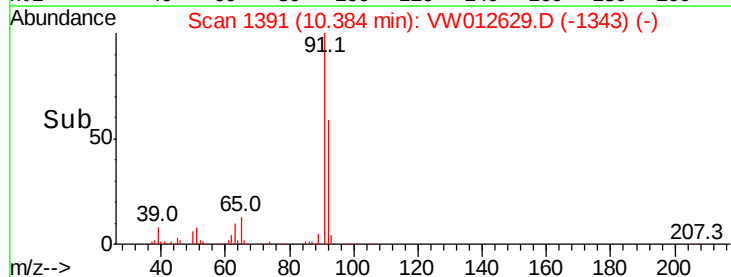
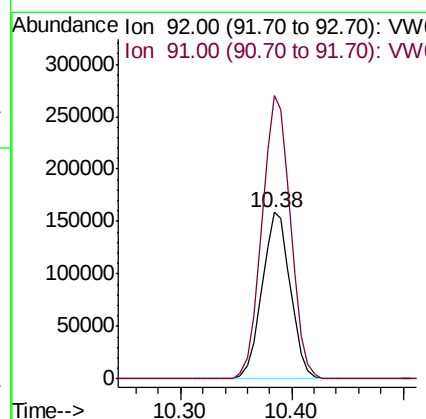
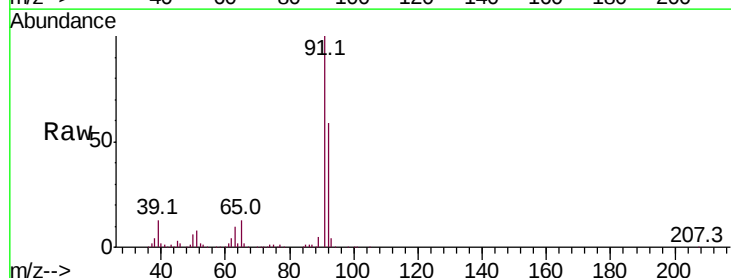
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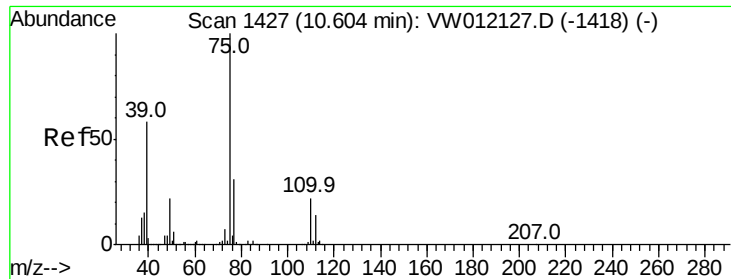
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#52
 Toluene
 Concen: 58.068 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.6	204.8





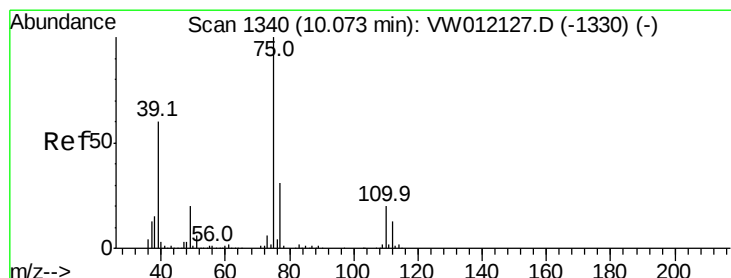
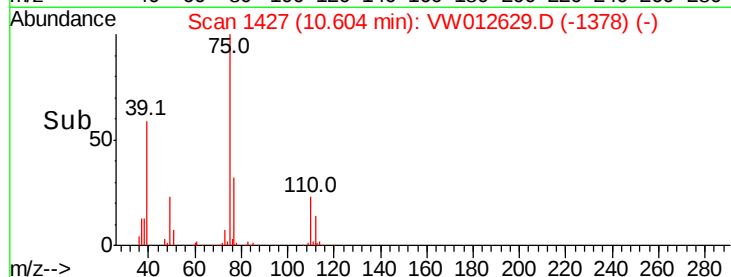
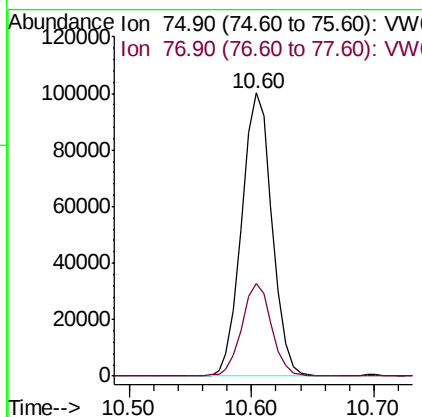
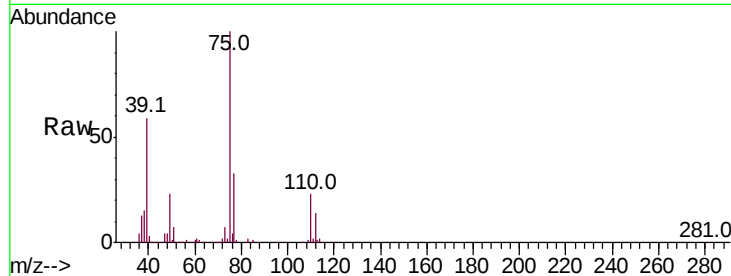
#53
t-1,3-Dichloropropene
Concen: 65.978 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4

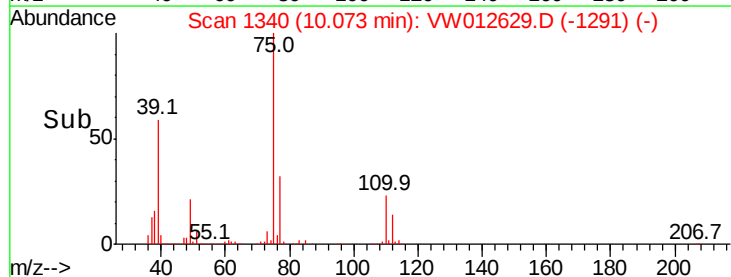
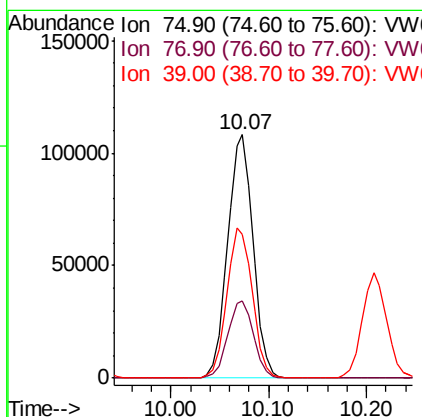
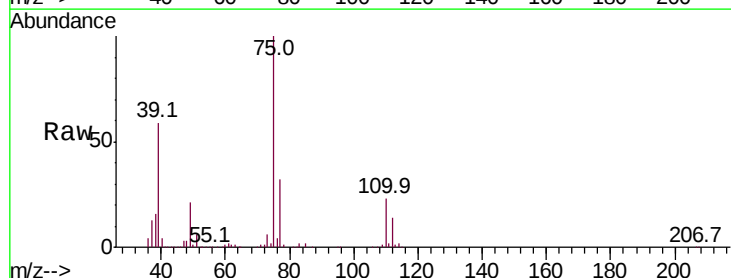
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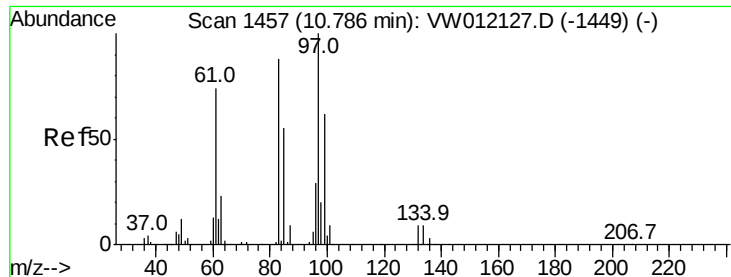
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#54
cis-1,3-Dichloropropene
Concen: 61.715 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	58.6	48.3	72.5





#55

1,1,2-Trichloroethane

Concen: 70.401 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 96157

Ion Ratio Lower Upper

97 100

83 88.0 70.8 106.2

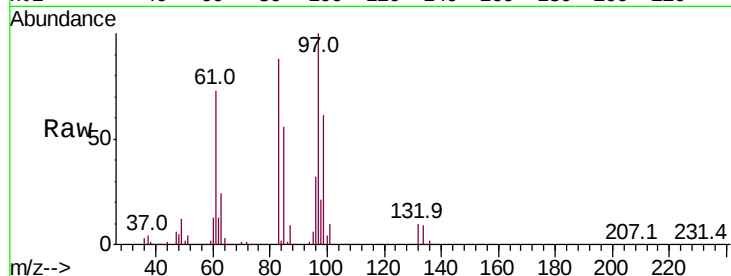
85 56.4 43.8 65.8

99 60.8 49.8 74.6

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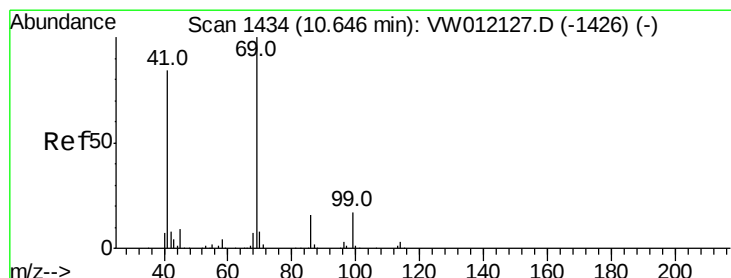
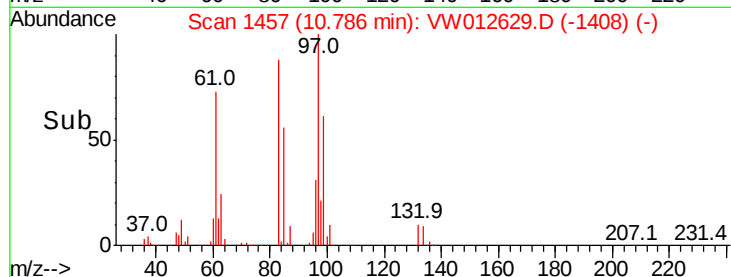
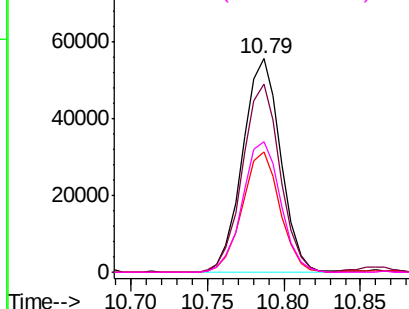
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 74.715 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

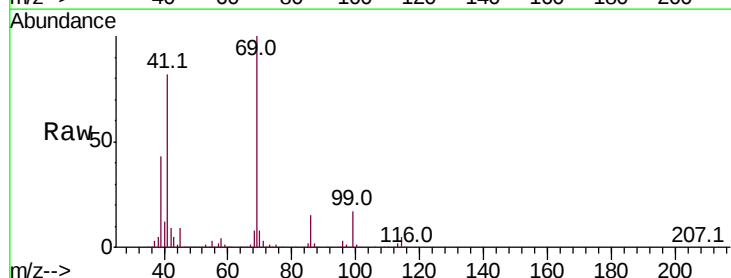
Tgt Ion: 69 Resp: 148525

Ion Ratio Lower Upper

69 100

41 82.8 66.5 99.7

39 39.4 31.0 46.4

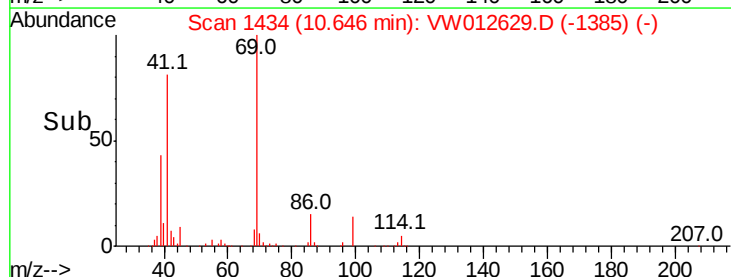
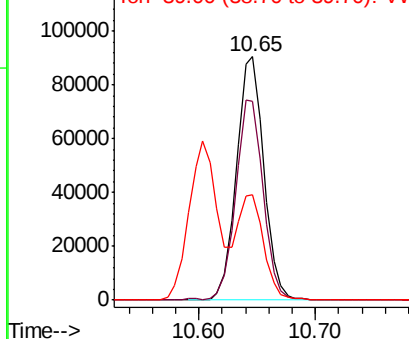


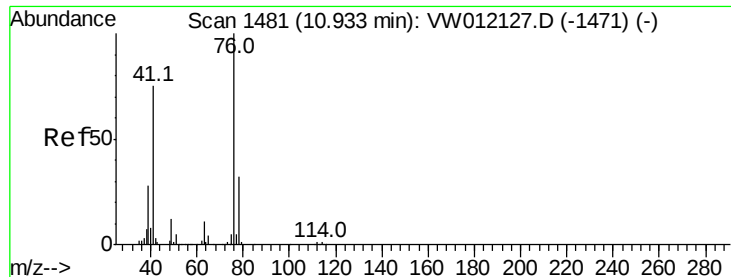
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





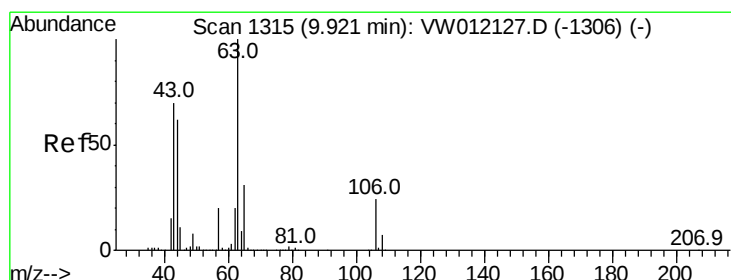
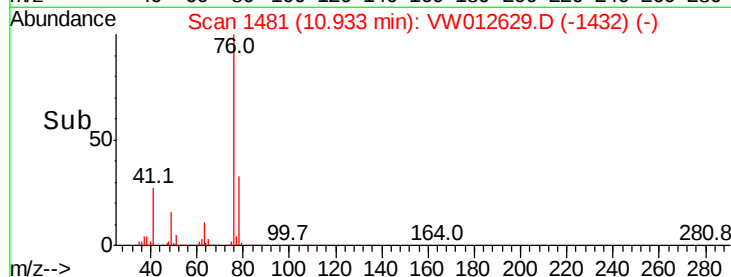
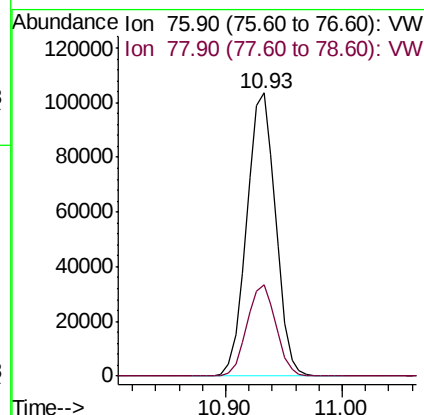
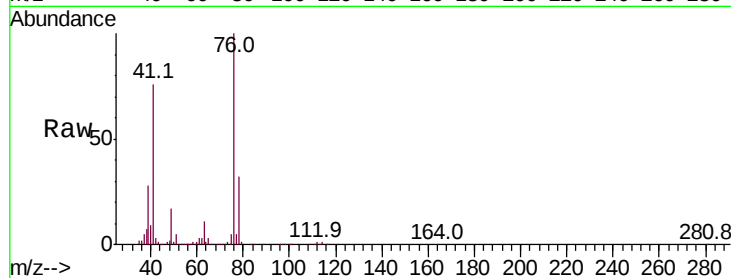
#57
 1,3-Dichloropropane
 Concen: 69.532 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 179471
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

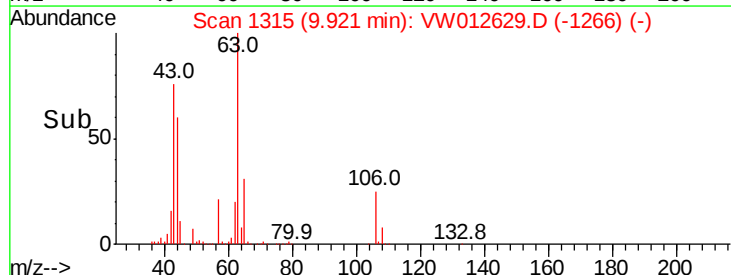
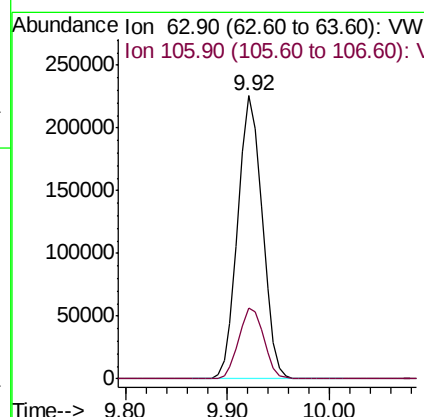
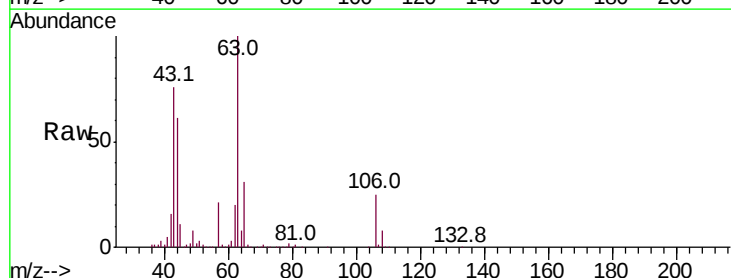
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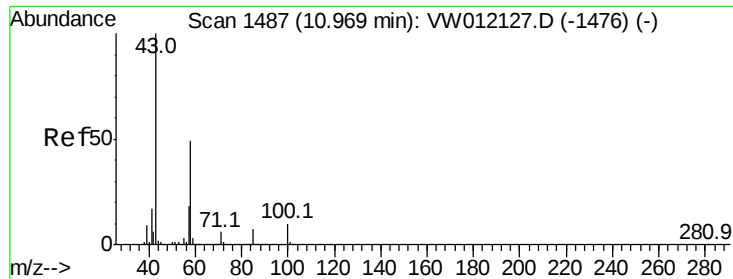
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#58
 2-Chloroethyl Vinyl ether
 Concen: 368.416 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Tgt Ion: 63 Resp: 375868
 Ion Ratio Lower Upper
 63 100
 106 25.6 19.8 29.8





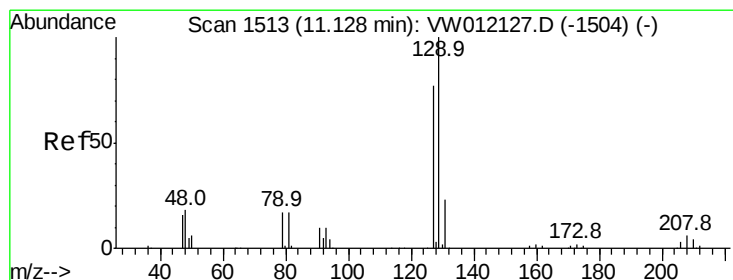
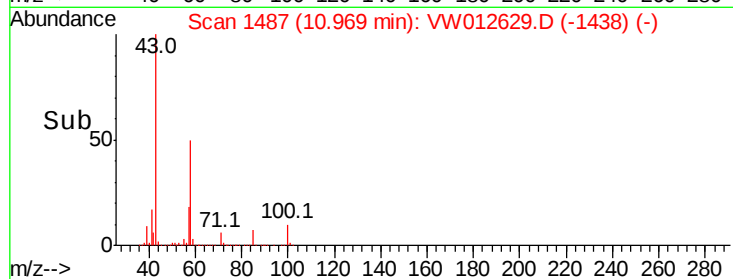
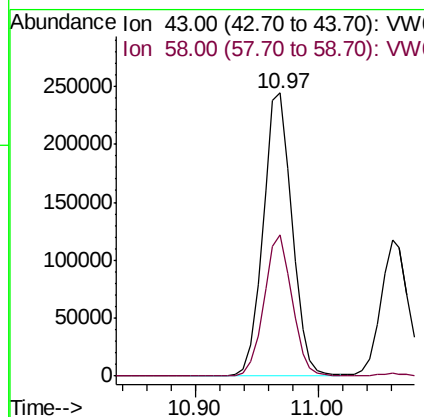
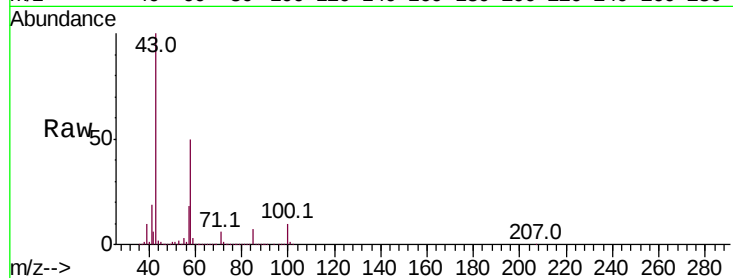
#59
2-Hexanone
Concen: 372.906 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	24.3	72.9

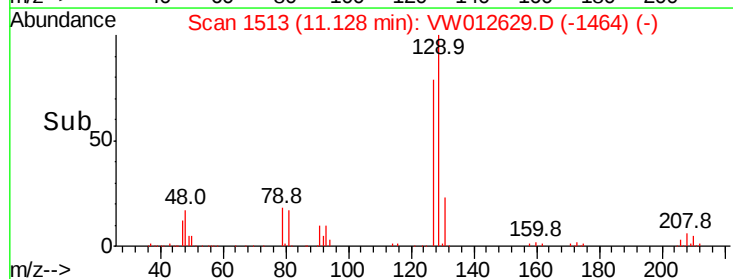
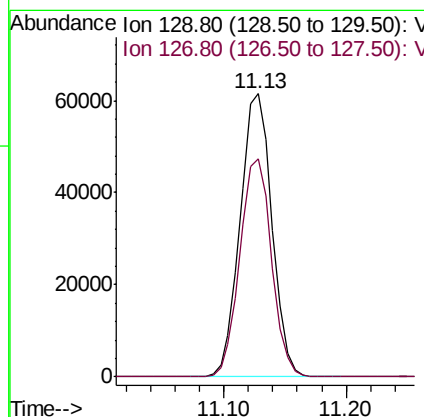
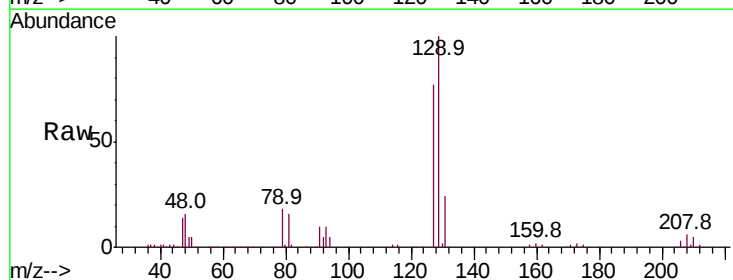
Manual Integrations
APPROVED

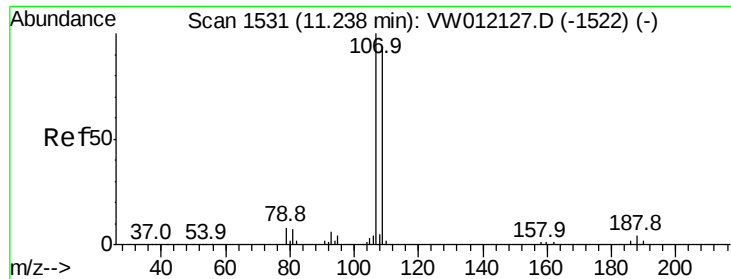
MMDadoda
9/7/2019 12:46:12 AM



#60
Dibromochloromethane
Concen: 72.776 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	115.8





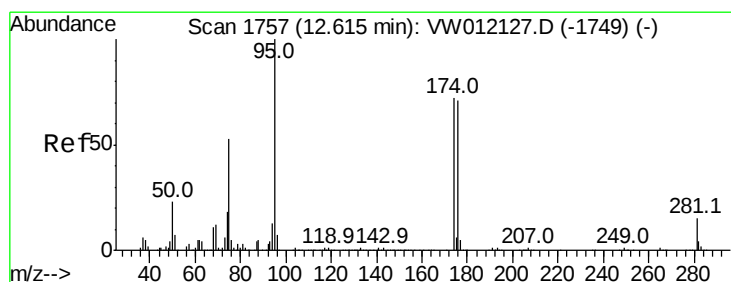
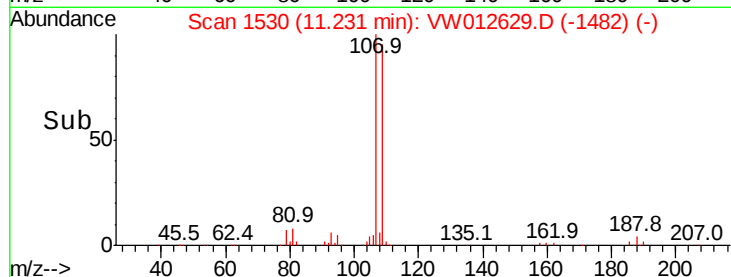
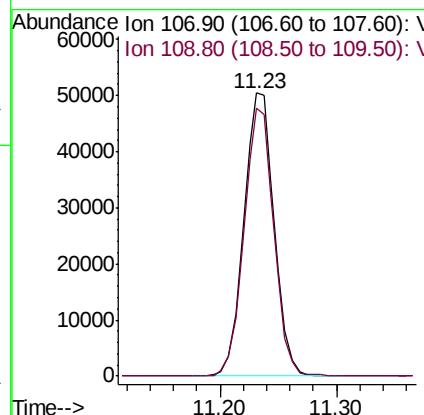
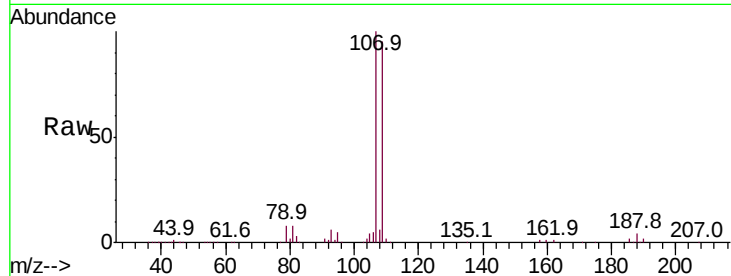
#61
 1,2-Dibromoethane
 Concen: 71.402 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	90857		
109	93.6	75.4	113.2	

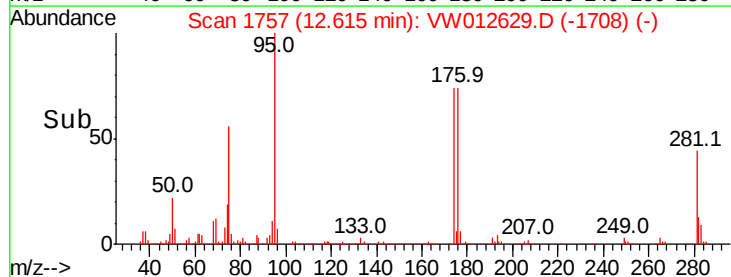
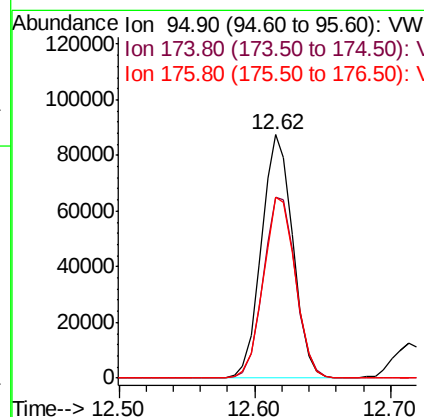
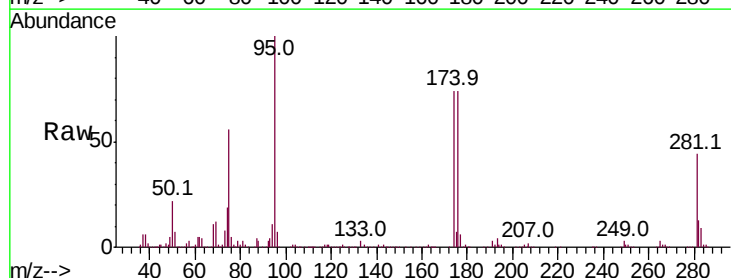
Manual Integrations
 APPROVED

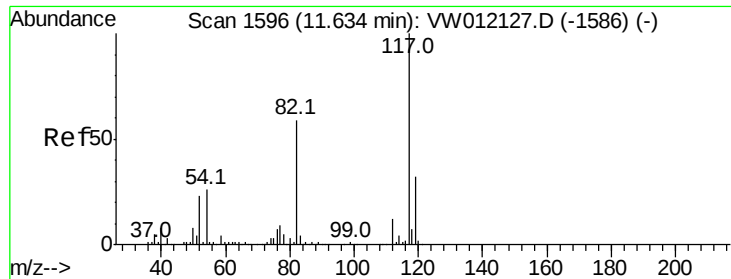
MMDadoda
 9/7/2019 12:46:12 AM



#62
 4-Bromofluorobenzene
 Concen: 58.100 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	141617		
174	76.5	0.0	150.8	
176	76.0	0.0	148.6	





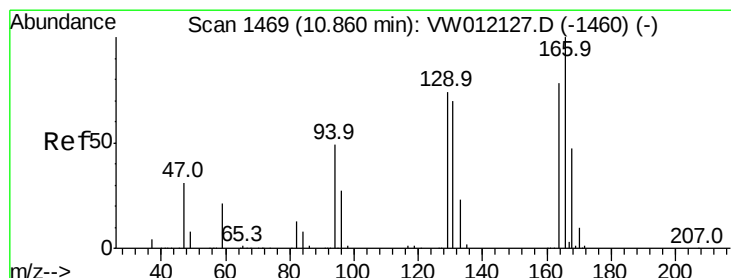
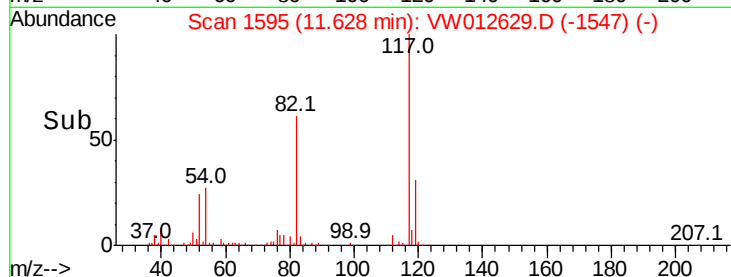
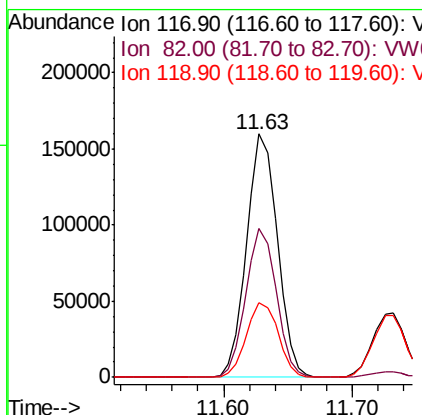
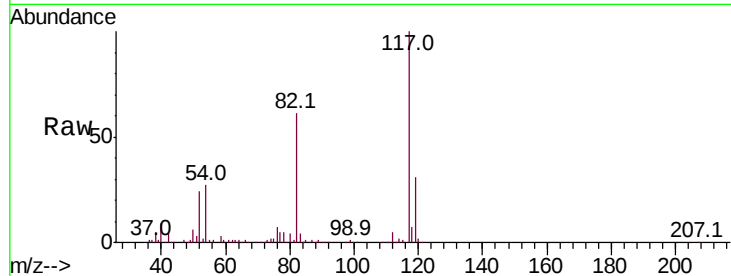
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	47.4	71.2
119	30.9	25.4	38.2

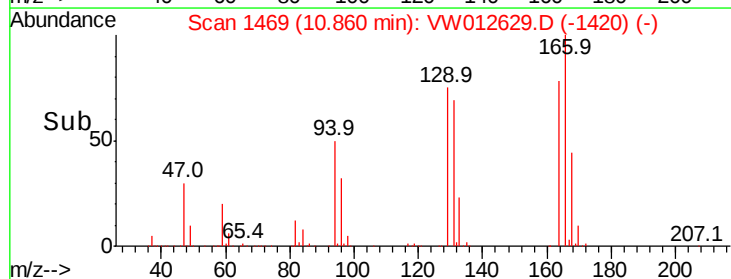
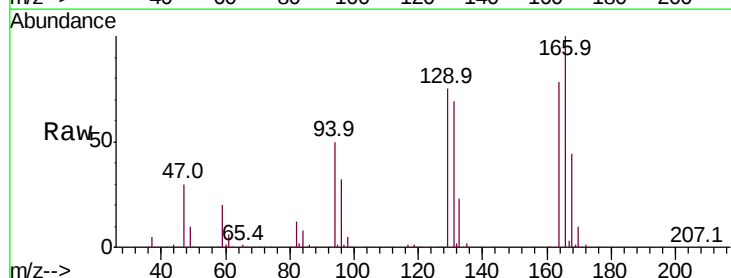
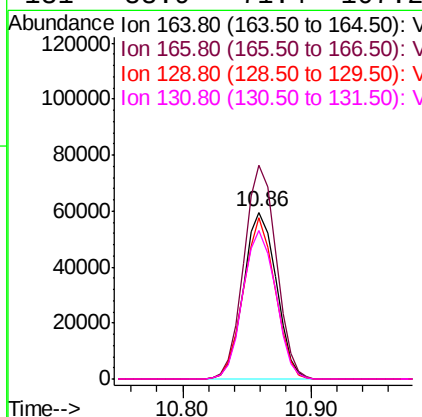
Manual Integrations
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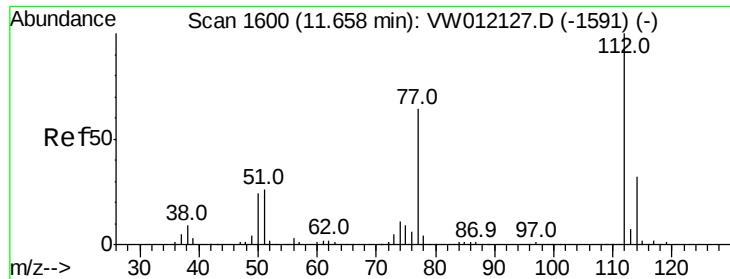
MMDadoda
9/7/2019 12:46:12 AM



#64
Tetrachloroethene
Concen: 60.979 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.4	153.6
129	96.7	75.8	113.6
131	88.9	71.4	107.2





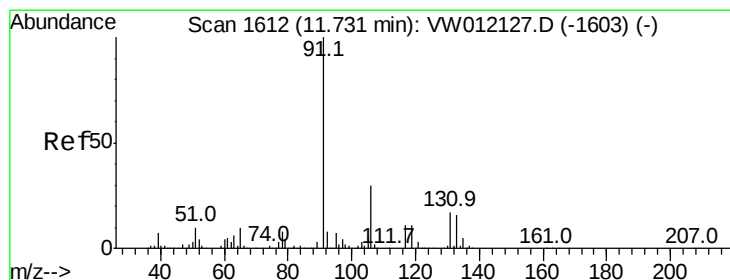
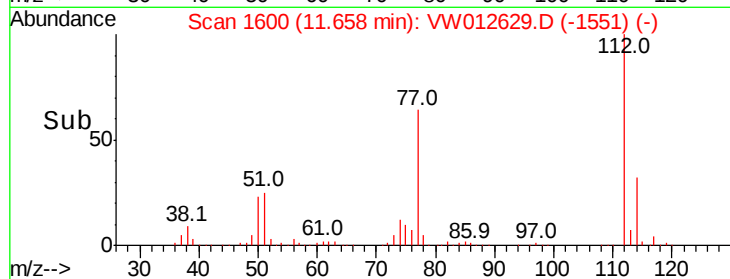
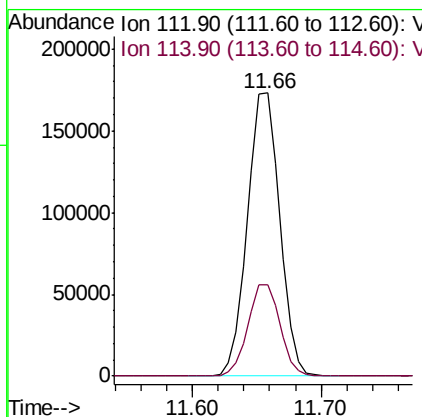
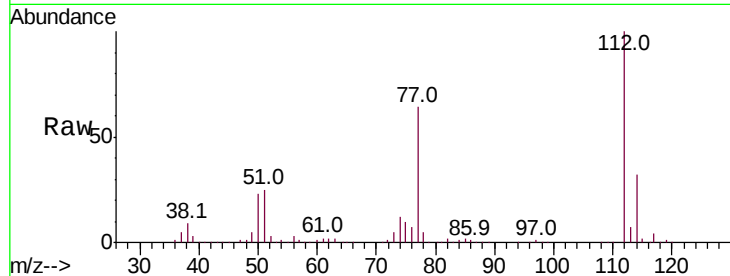
#65
Chlorobenzene
Concen: 57.603 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

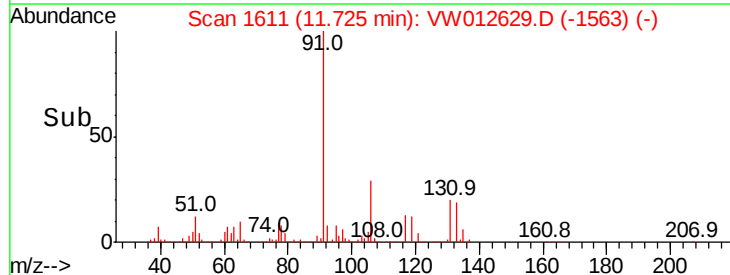
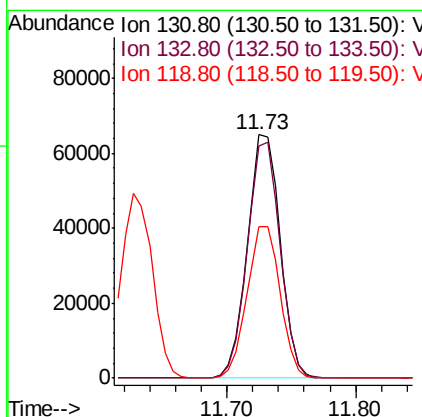
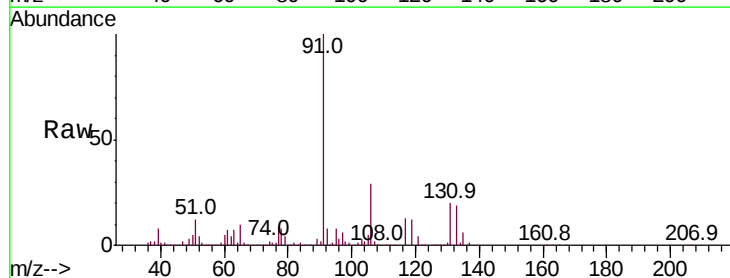
Manual Integrations
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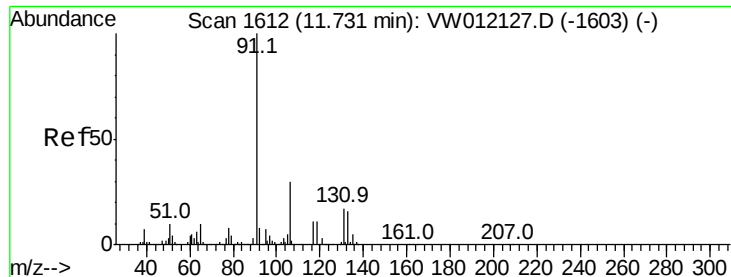
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 62.794 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.1	141.3
119	62.8	31.8	95.3





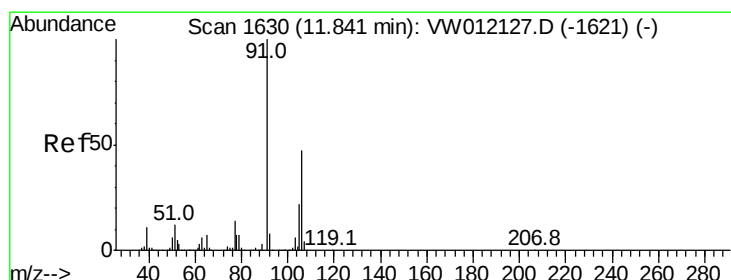
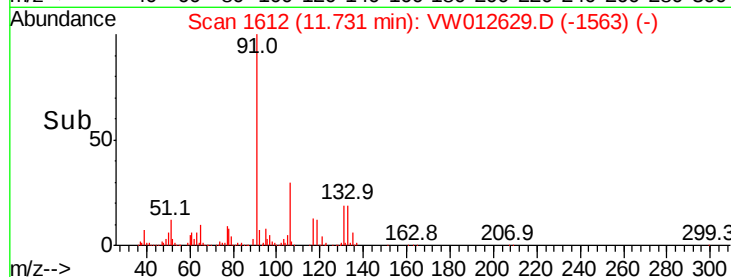
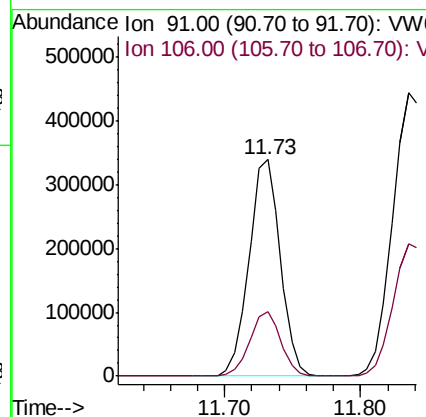
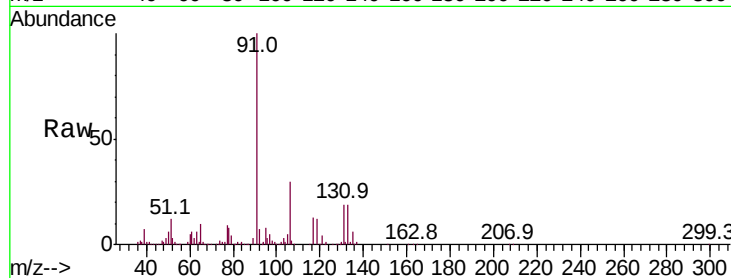
#67
Ethyl Benzene
Concen: 54.628 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.0	24.3	36.5	

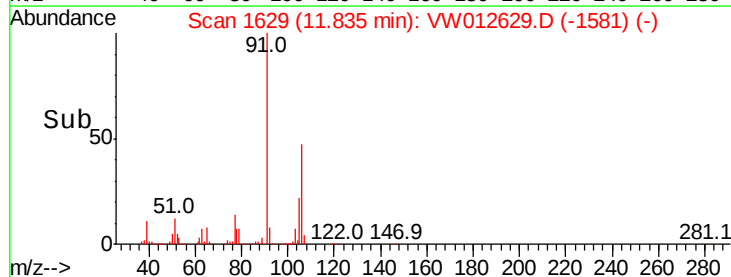
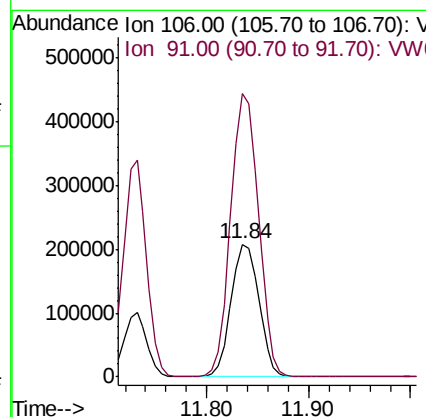
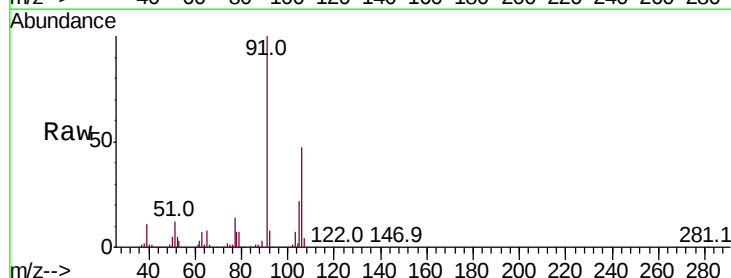
Manual Integrations
APPROVED

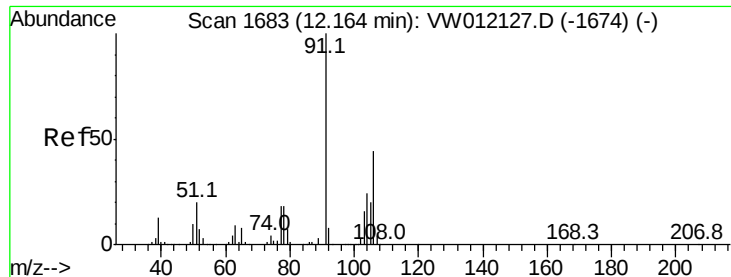
MMDadoda
9/7/2019 12:46:12 AM



#68
m/p-Xylenes
Concen: 109.158 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.1	169.5	254.3	





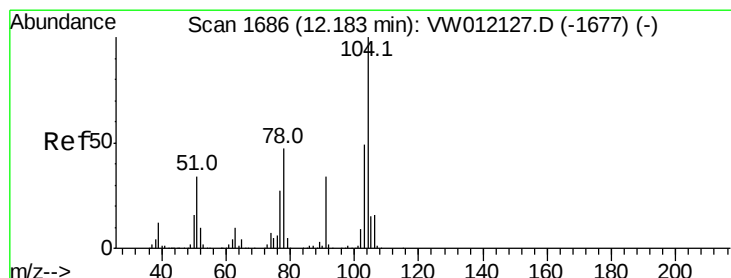
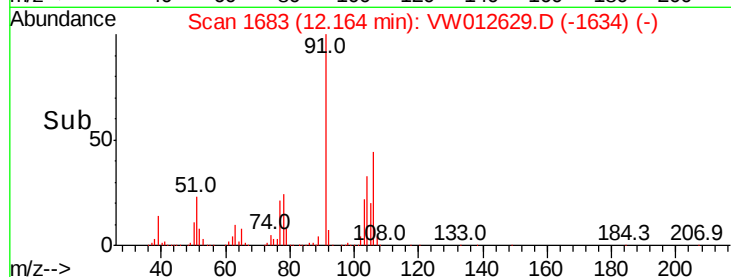
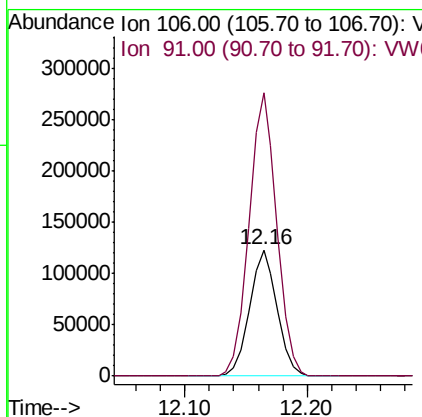
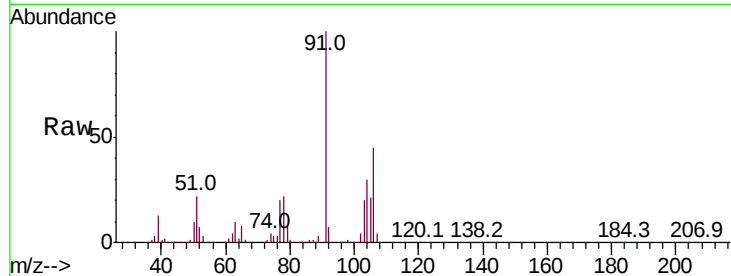
#69
o-Xylene
Concen: 57.373 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.6	334.6

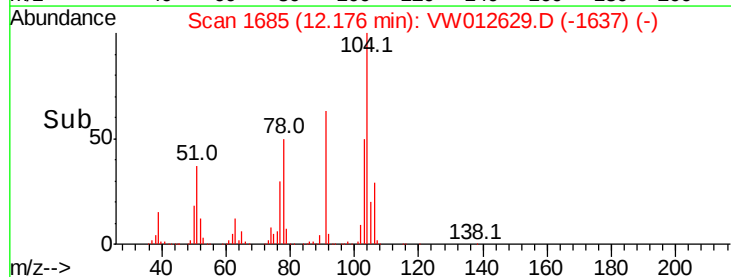
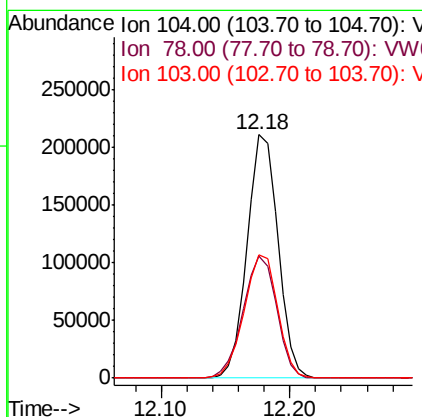
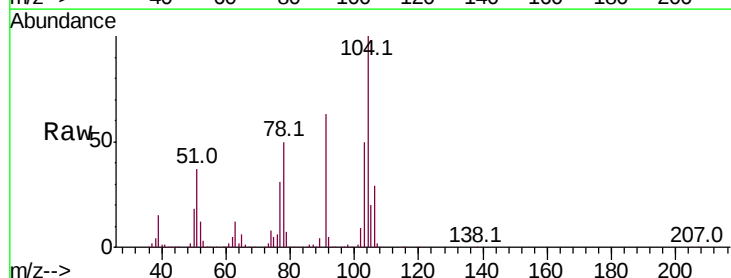
Manual Integrations
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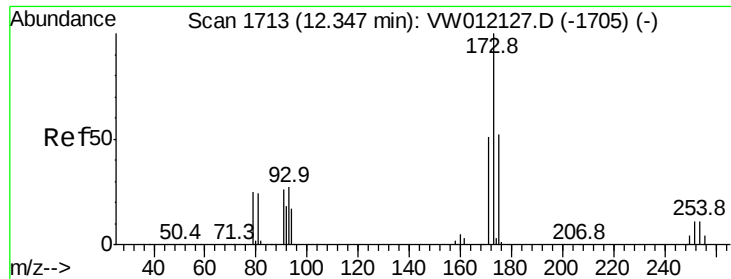
MMDadoda
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#70
Styrene
Concen: 60.363 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.1	64.7
103	55.1	43.5	65.3





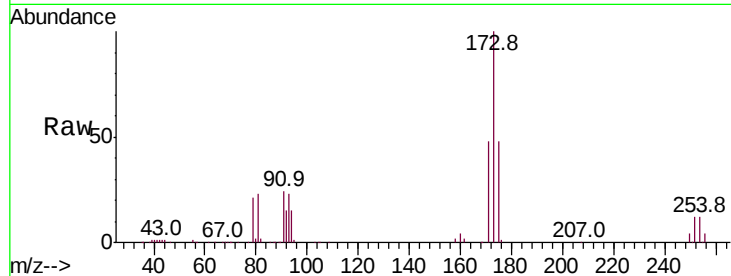
#71
Bromoform
Concen: 72.621 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.3	0.2	0.2#

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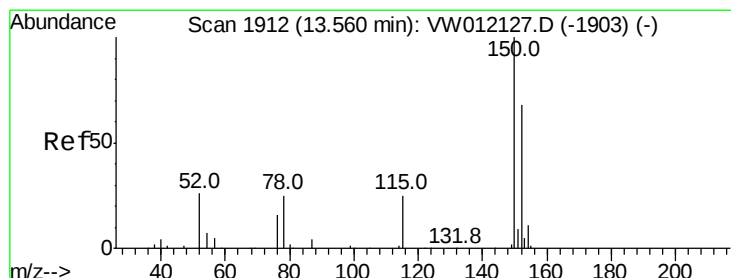
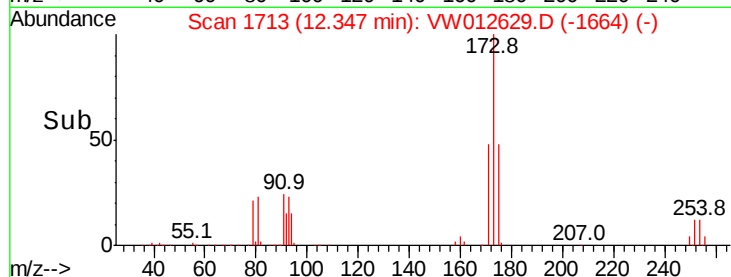
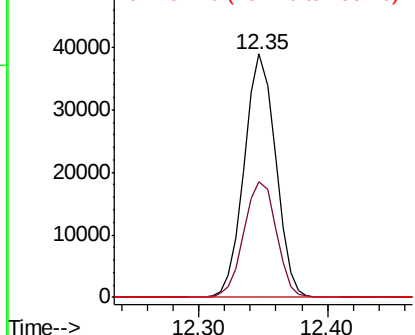


Abundance

Ion 172.70 (172.40 to 173.40): V

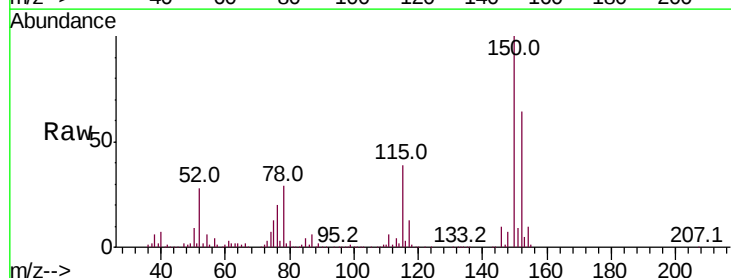
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.1	90.3
150	174.8	0.0	345.8

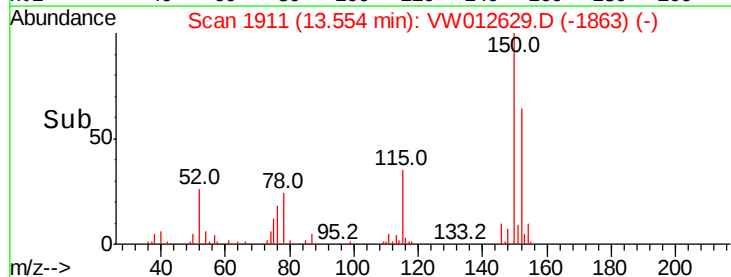
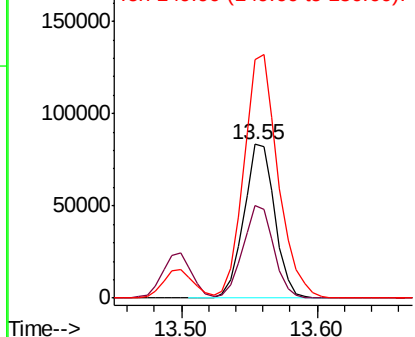


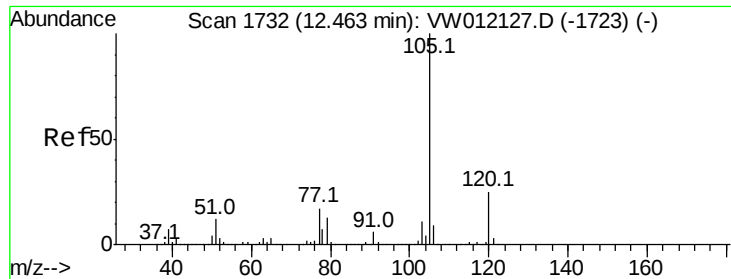
Abundance

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: 51.471 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 509280

Ion Ratio Lower Upper

105 100

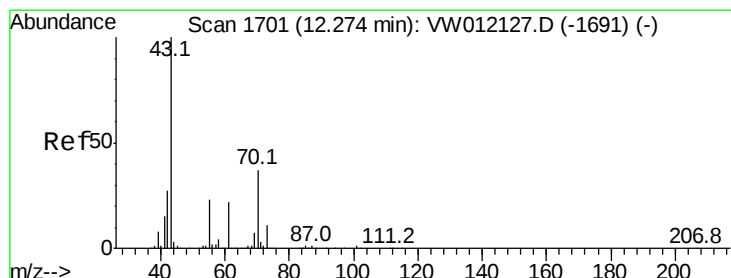
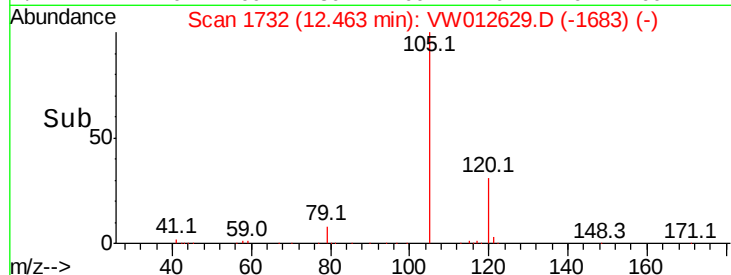
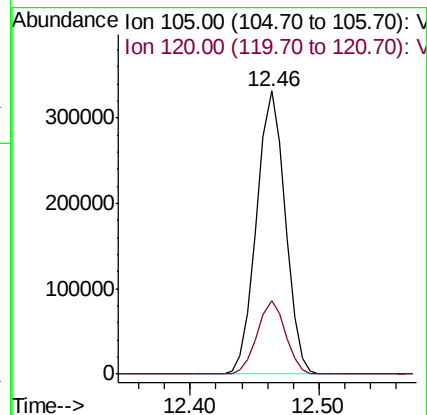
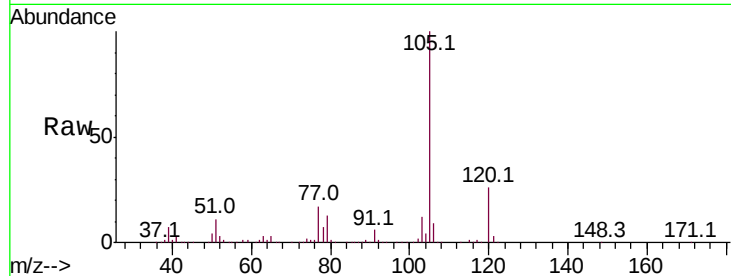
120 25.5 12.5 37.5

Manual Integrations

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9/7/2019 12:46:12 AM



#74

N-ethyl acetate

Concen: 63.658 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tgt Ion: 43 Resp: 190300

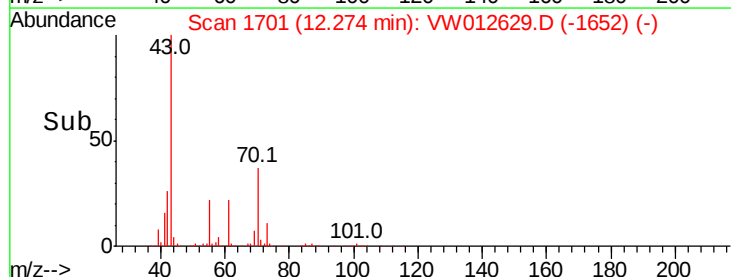
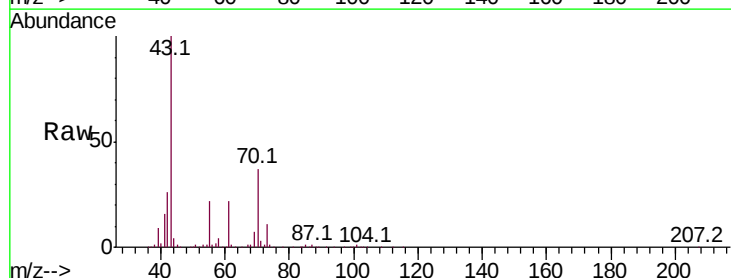
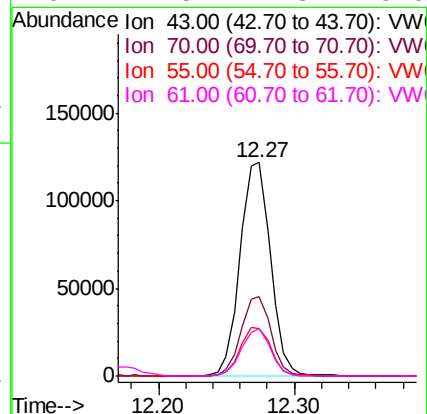
Ion Ratio Lower Upper

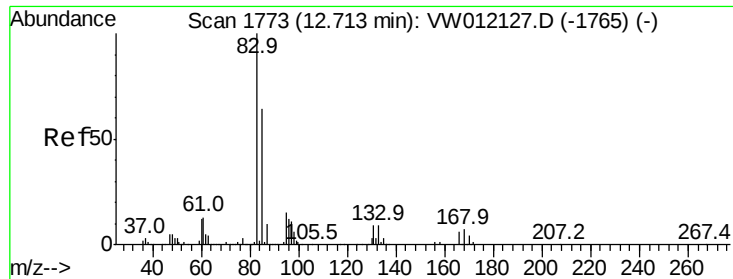
43 100

70 36.6 28.6 43.0

55 23.2 17.8 26.6

61 21.5 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 64.035 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

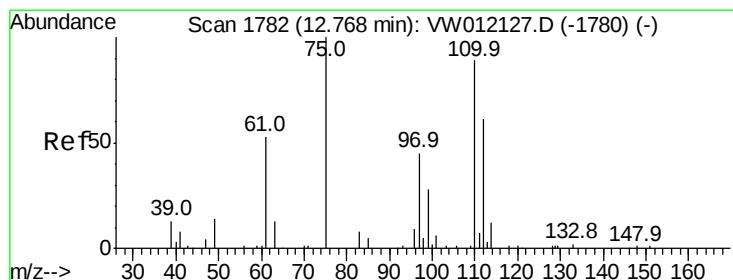
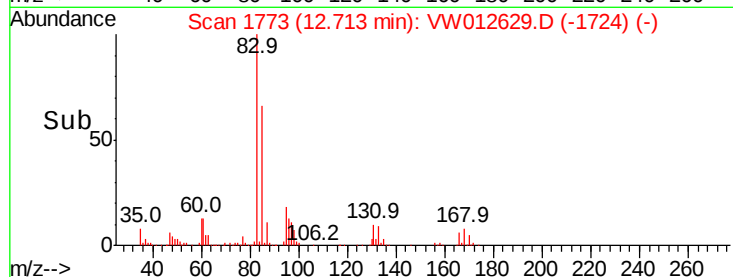
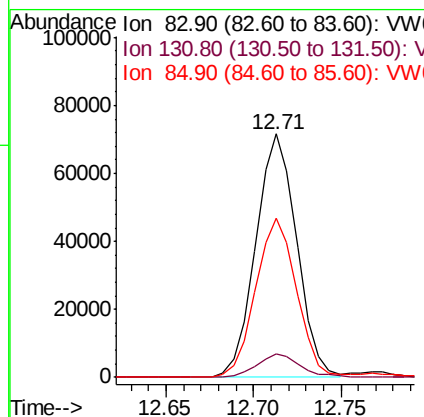
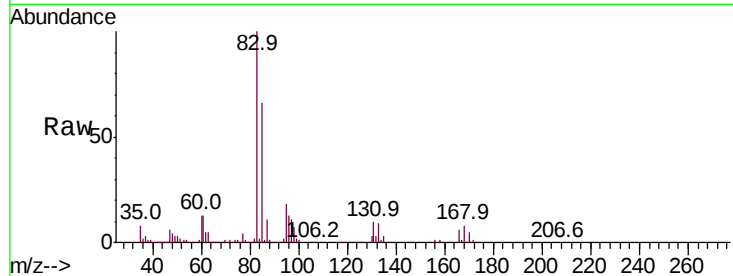
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	116157
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	65.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 76.771 ug/l m

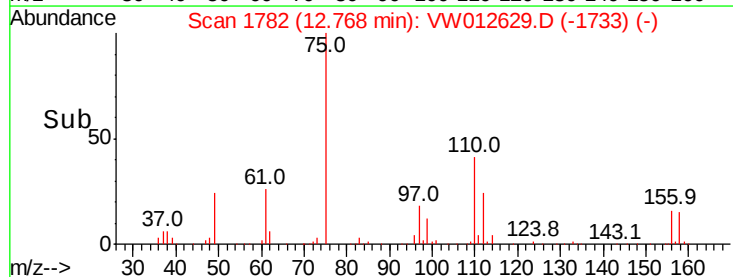
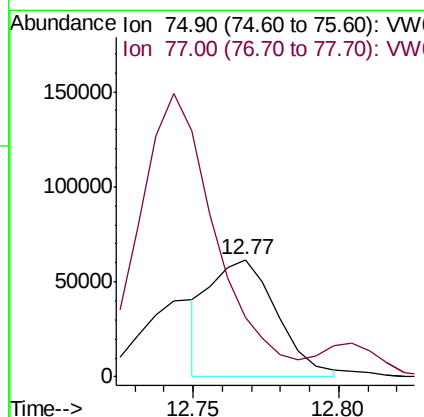
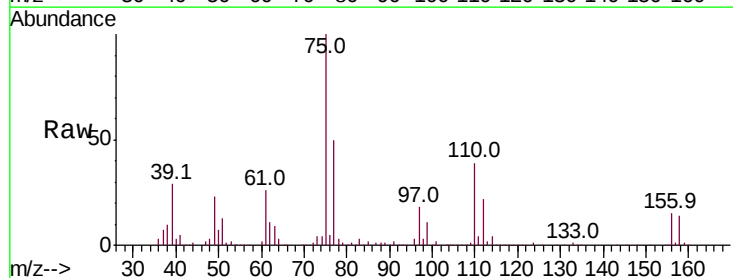
RT: 12.77 min Scan# 1782

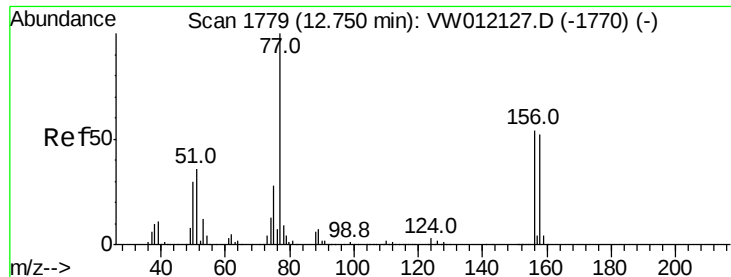
Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tgt Ion:	75	Resp:	98731
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 59.590 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 127558

Ion Ratio Lower Upper

156 100

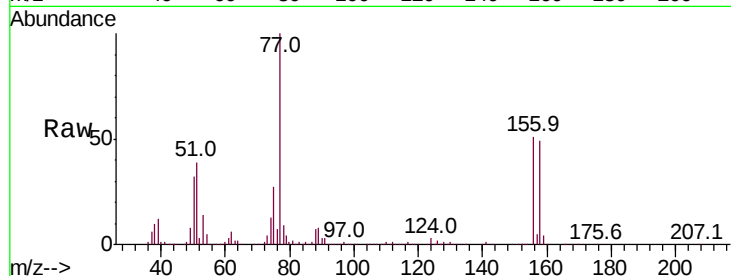
77 213.1 107.3 321.8

158 96.4 49.0 147.0

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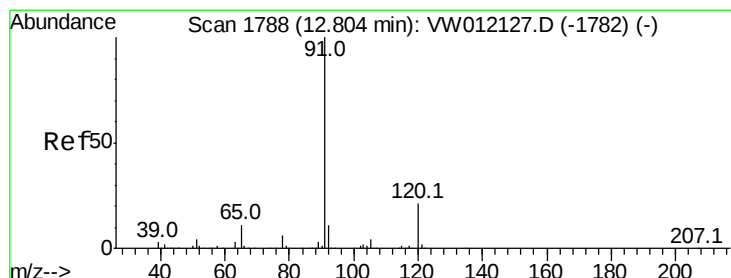
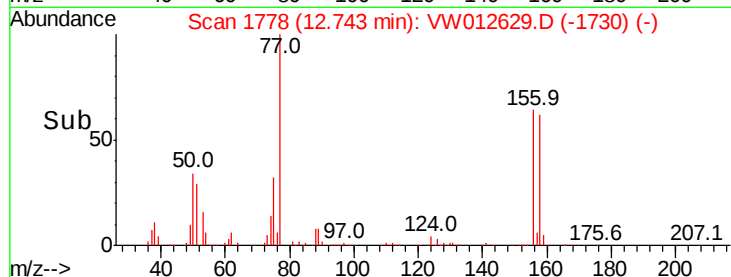
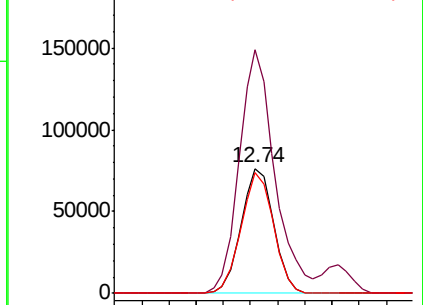
9/7/2019 12:46:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VW

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 50.547 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012629.D

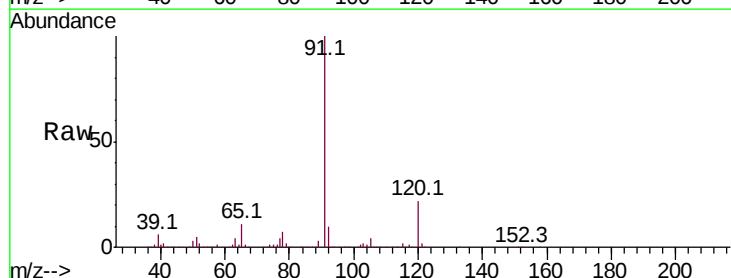
Acq: 05 Sep 2019 09:37

Tgt Ion: 91 Resp: 610563

Ion Ratio Lower Upper

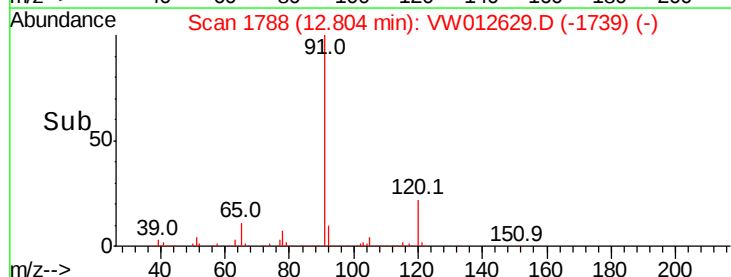
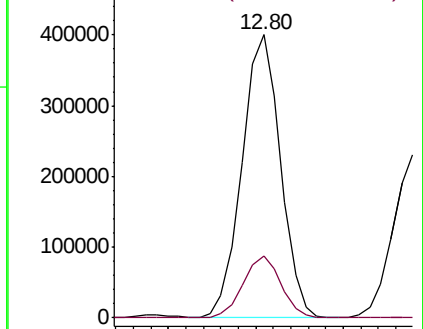
91 100

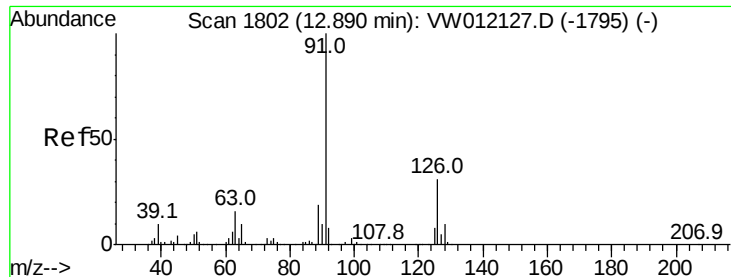
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.30): VW

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 54.349 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 372723

Ion Ratio Lower Upper

91 100

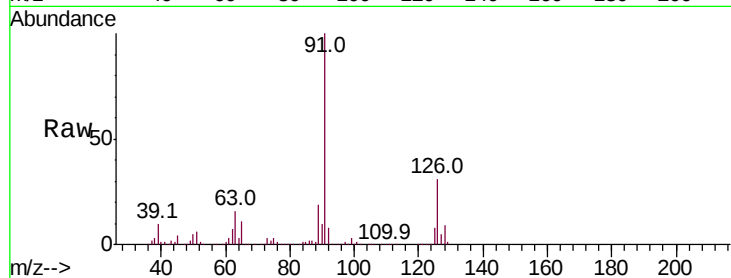
126 31.2 15.7 47.0

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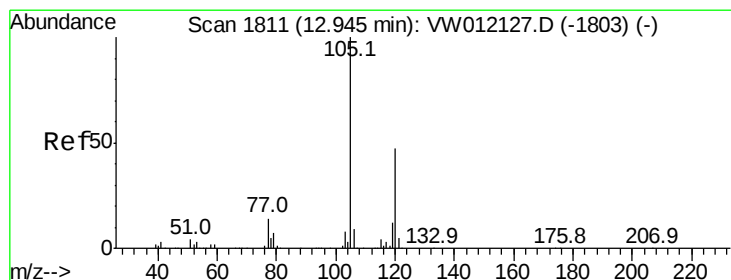
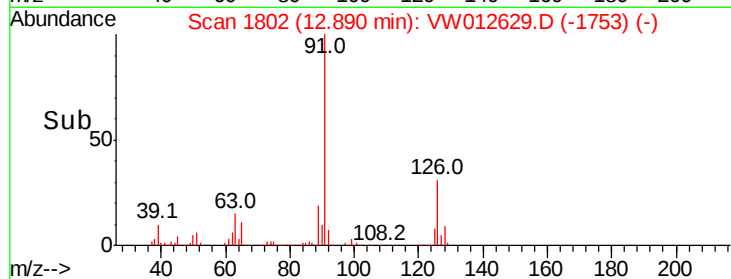
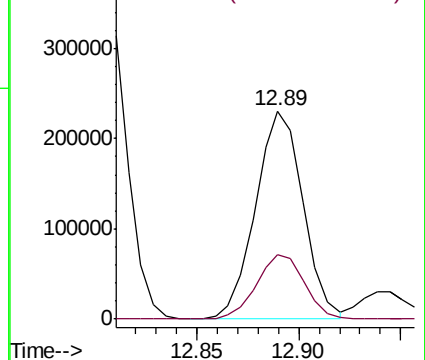
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.530 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012629.D

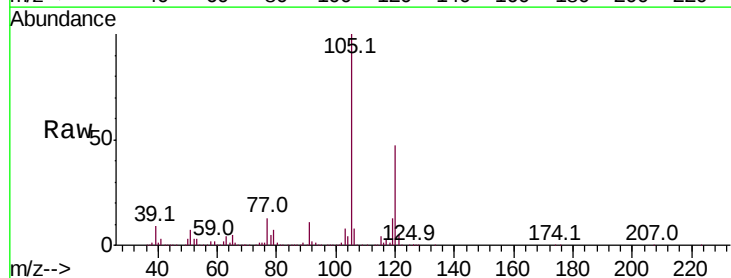
Acq: 05 Sep 2019 09:37

Tgt Ion:105 Resp: 450847

Ion Ratio Lower Upper

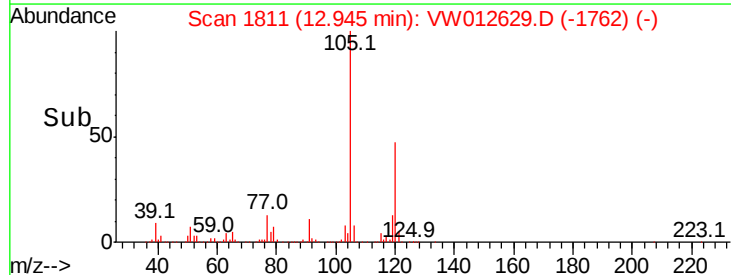
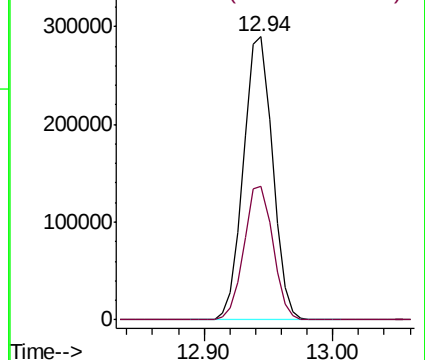
105 100

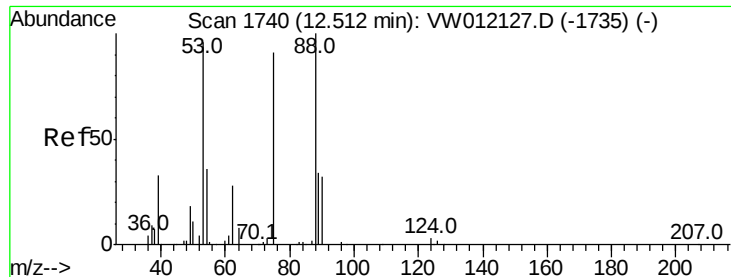
120 47.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





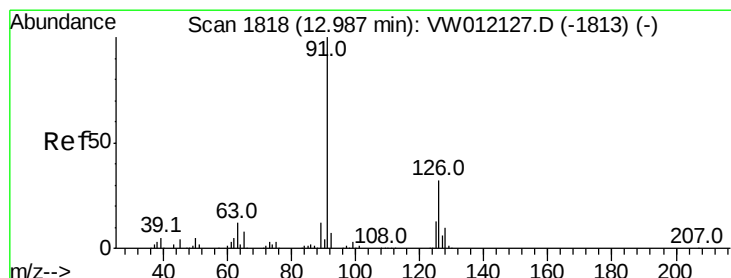
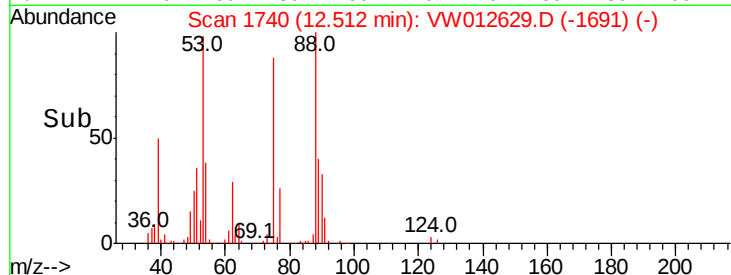
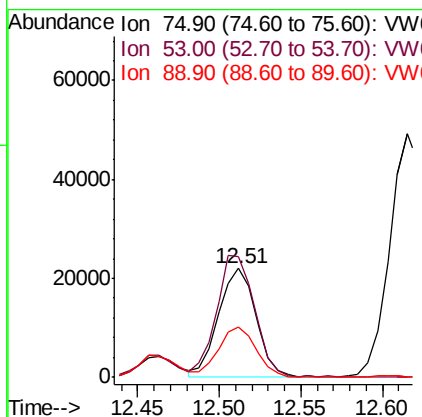
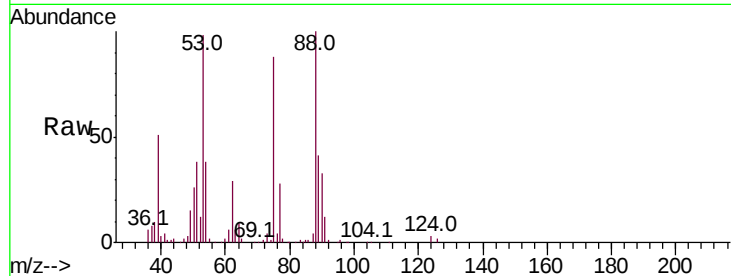
#81
trans-1,4-Dichloro-2-butene
Concen: 59.943 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.9	89.4	134.0
89	47.2	34.5	51.7

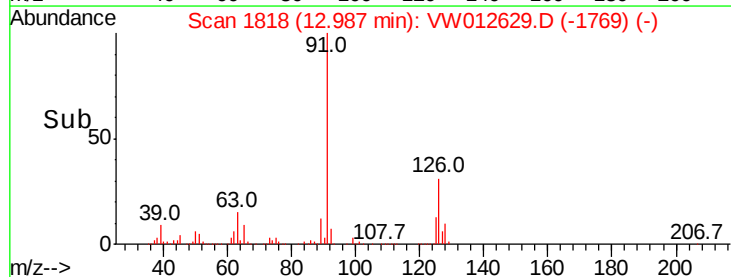
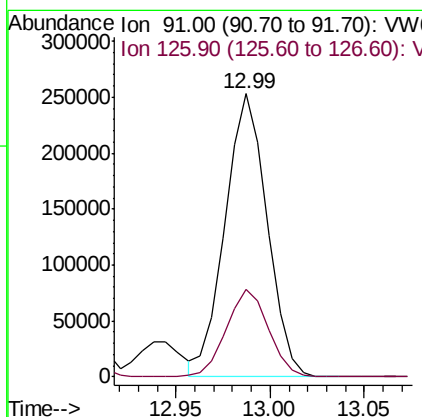
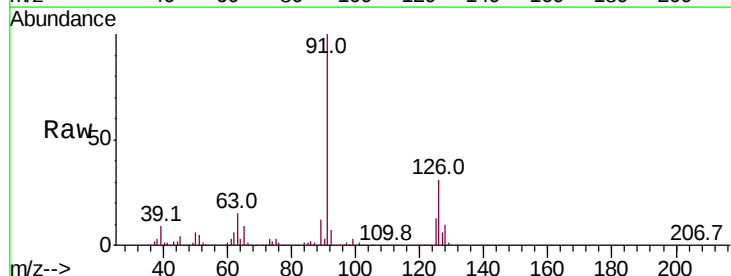
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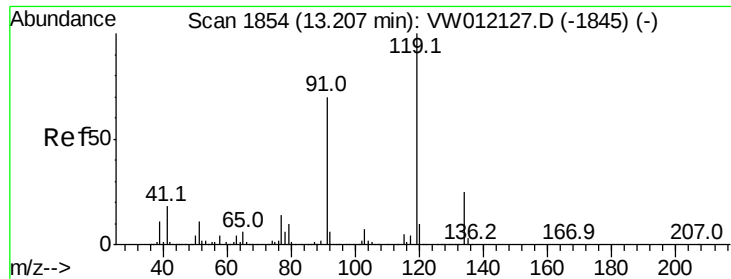
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#82
4-Chlorotoluene
Concen: 54.542 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





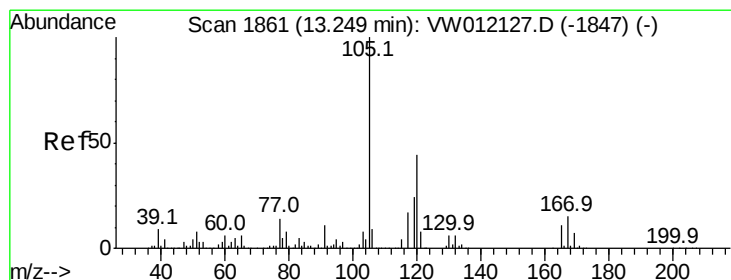
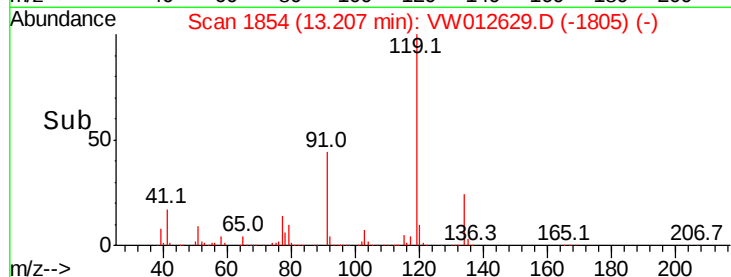
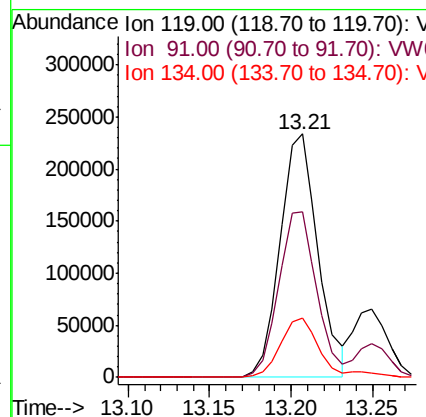
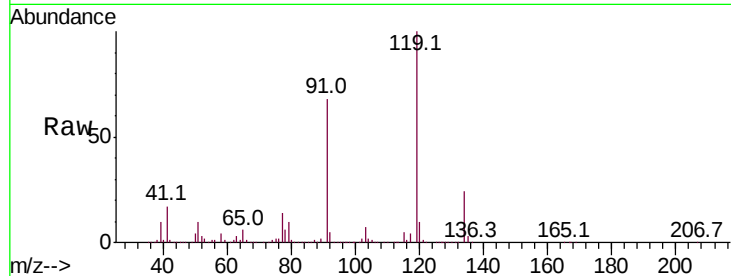
#83
tert-Butylbenzene
Concen: 53.800 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.8	104.3
134	26.0	13.3	39.8

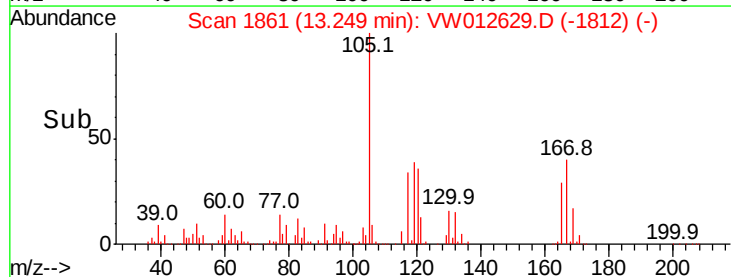
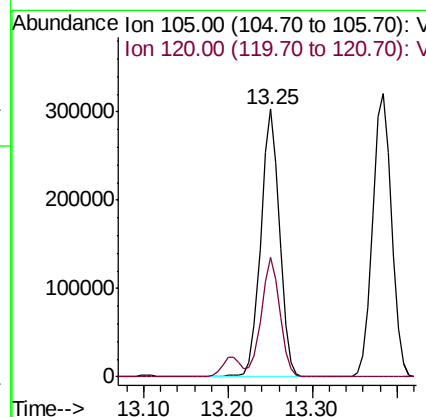
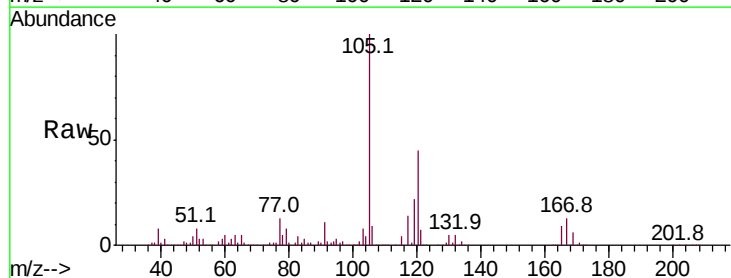
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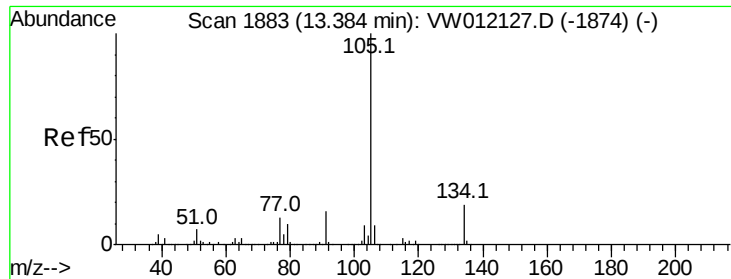
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#84
1,2,4-Trimethylbenzene
Concen: 55.440 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.7





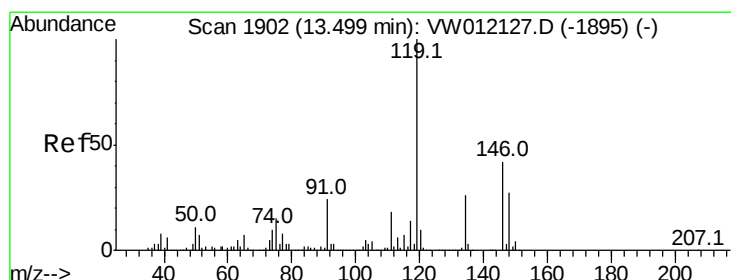
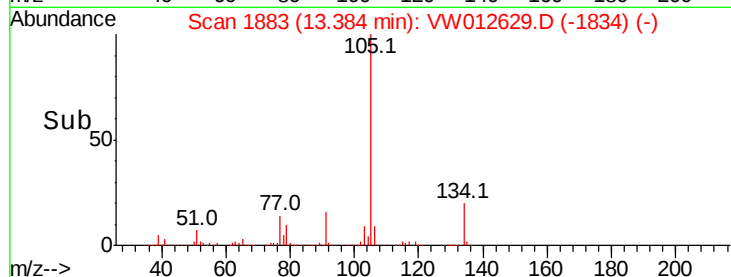
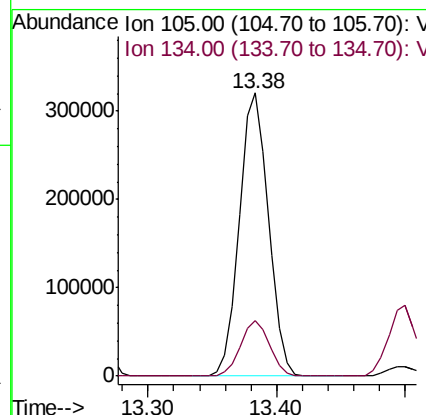
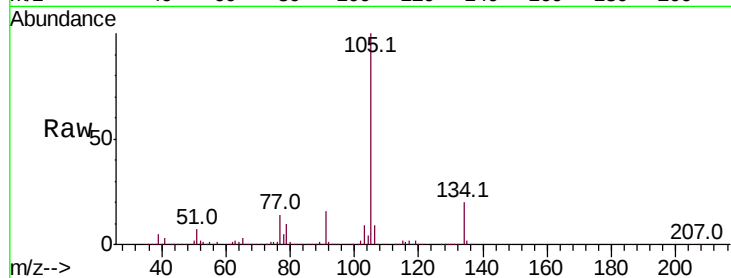
#85
 sec-Butylbenzene
 Concen: 49.957 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	501259		
134	19.5	9.8	29.4	

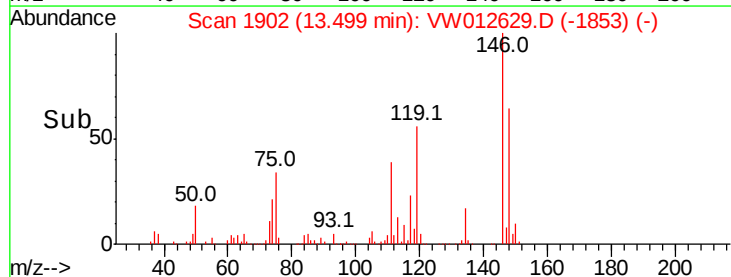
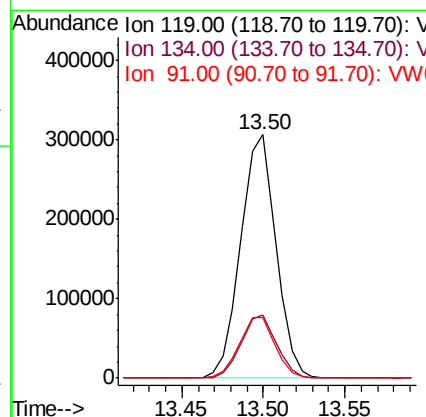
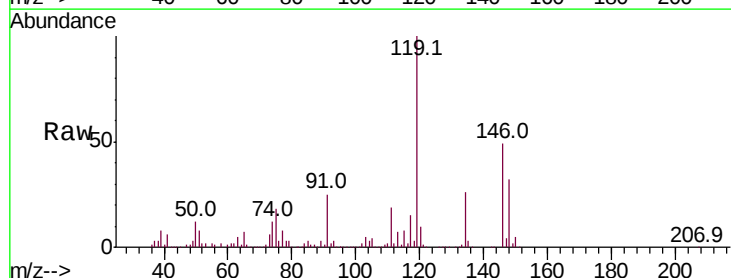
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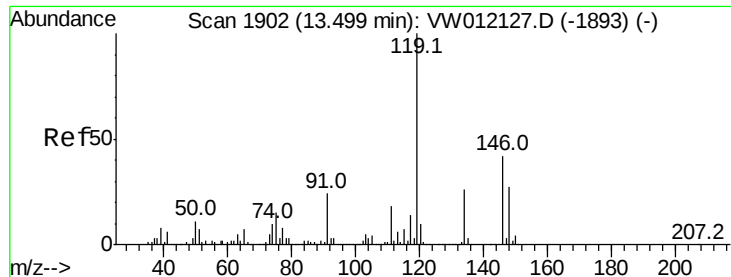
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#86
 p-Isopropyltoluene
 Concen: 51.585 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	462243		
134	25.9	12.8	38.3	
91	25.1	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 57.288 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

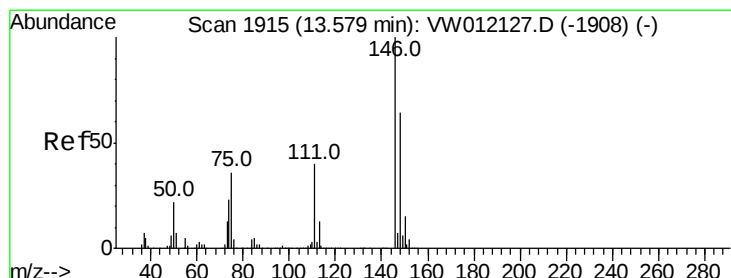
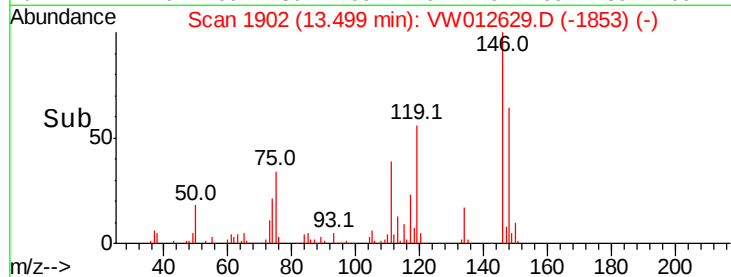
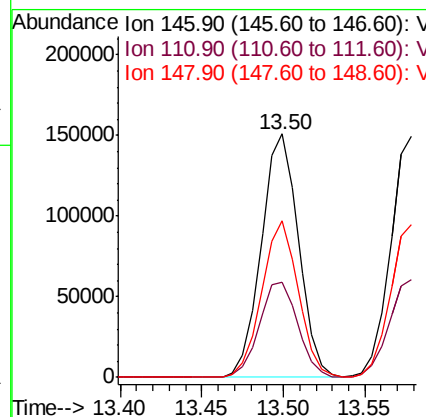
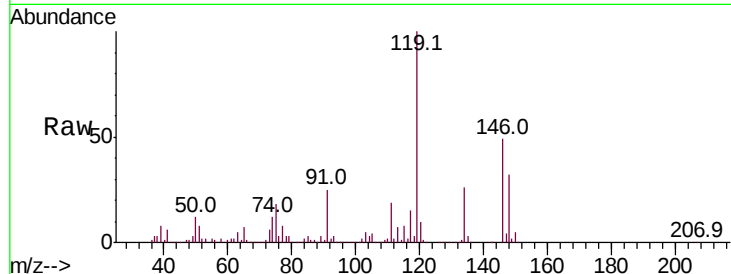
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	239857		
111	40.4	20.9	62.7	
148	63.1	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 56.925 ug/l

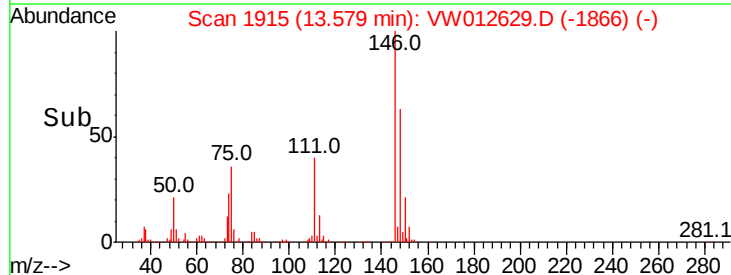
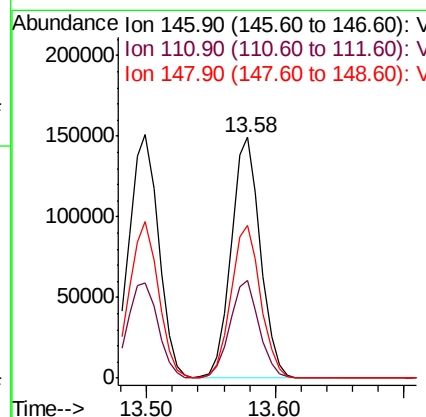
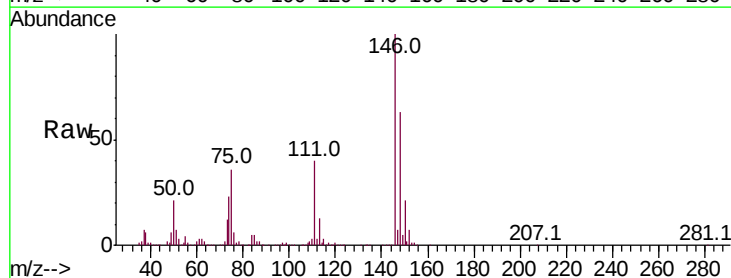
RT: 13.58 min Scan# 1915

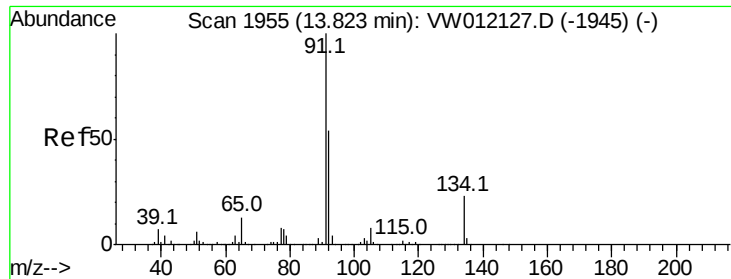
Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	236652		
111	40.5	20.0	60.0	
148	64.1	32.1	96.3	





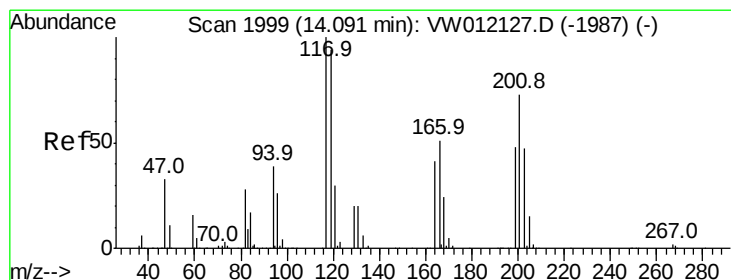
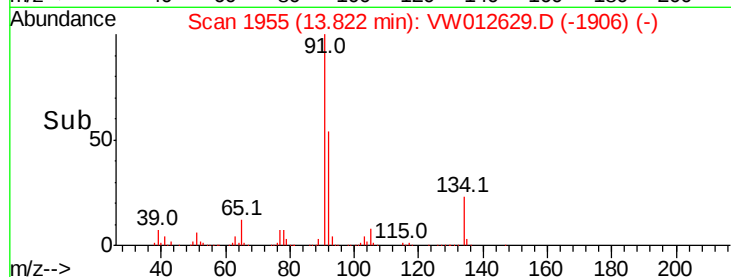
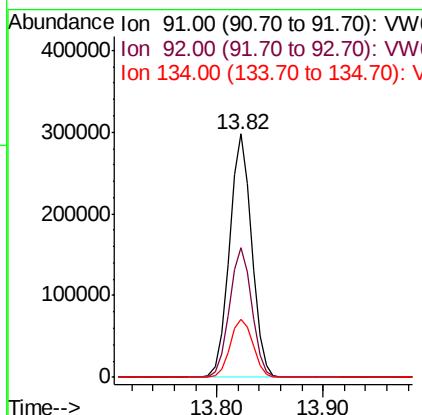
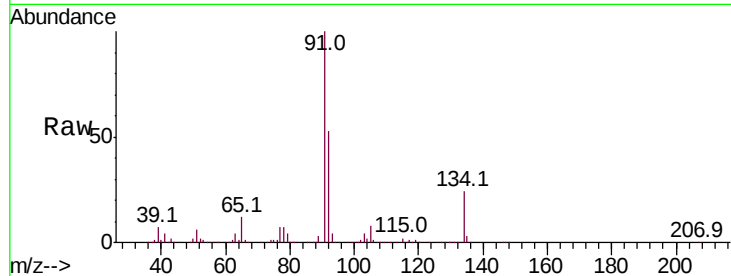
#89
n-Butylbenzene
Concen: 48.912 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.7		27.1	81.2
134	24.7		12.2	36.4

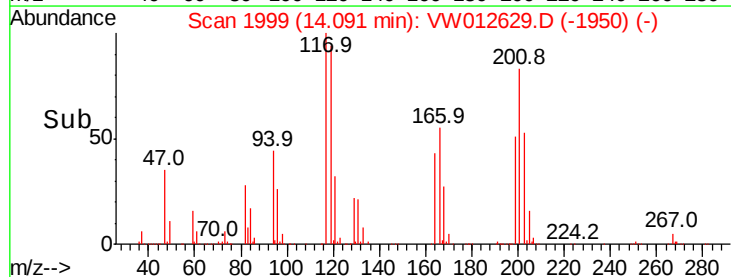
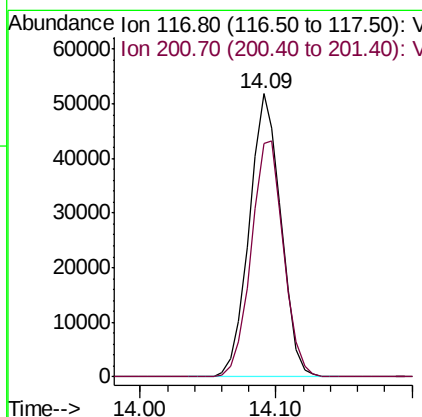
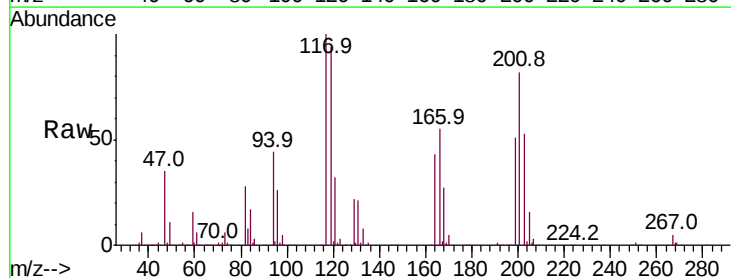
Manual Integrations
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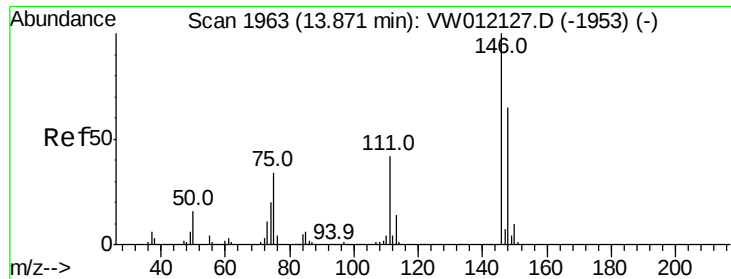
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#90
Hexachloroethane
Concen: 53.789 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.3		38.6	115.7





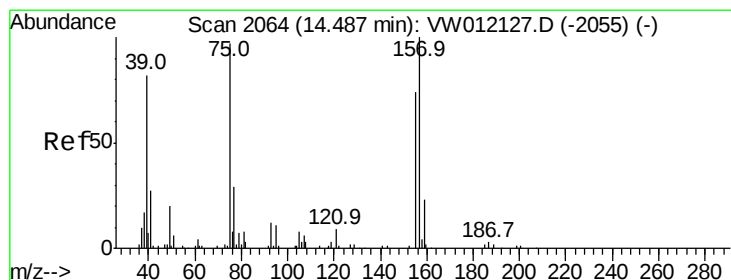
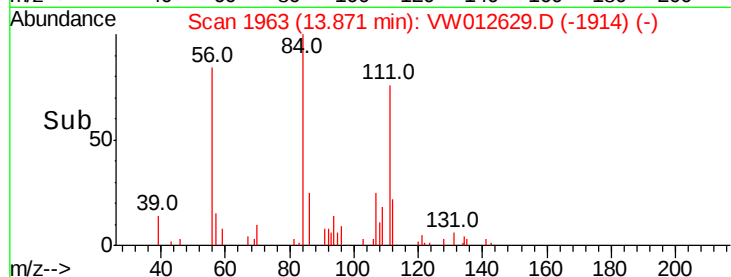
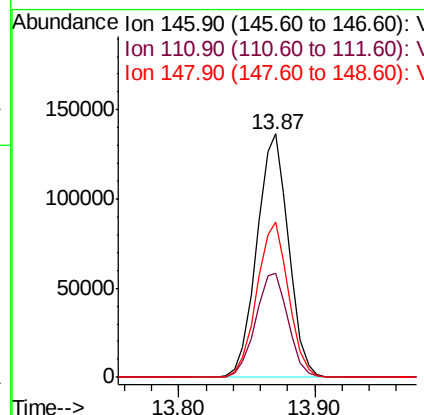
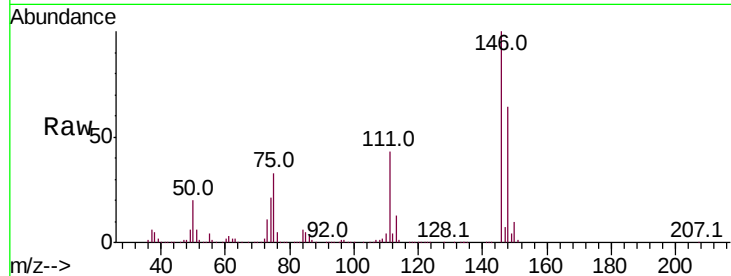
#91
 1,2-Dichlorobenzene
 Concen: 60.583 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	222523
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.2	63.6
148	63.9	32.5	97.4

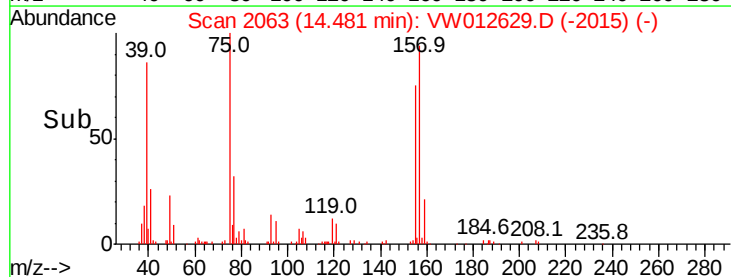
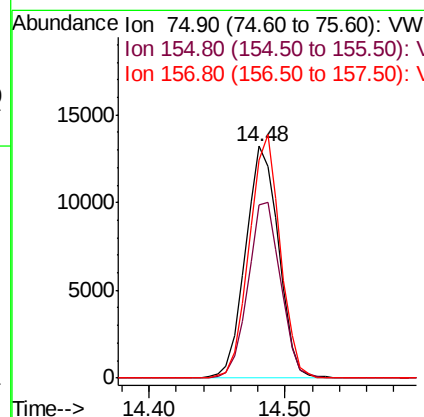
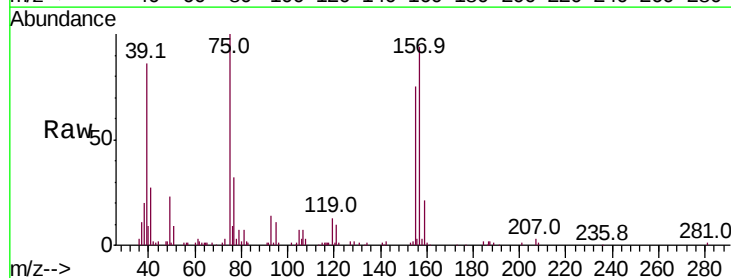
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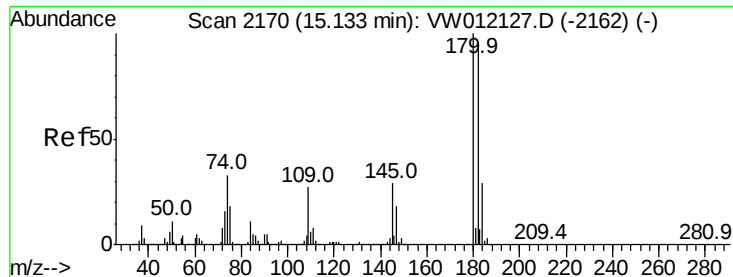
MMDadoda
 9/7/2019 12:46:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.769 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012629.D
 Acq: 05 Sep 2019 09:37

Tgt Ion:	75	Resp:	22559
Ion Ratio	Lower	Upper	
75	100		
155	74.6	37.5	112.3
157	98.0	50.5	151.5





#93

1,2,4-Trichlorobenzene

Concen: 59.313 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW012629.D

Acq: 05 Sep 2019 09:37

Instrument :

MSVOA_W

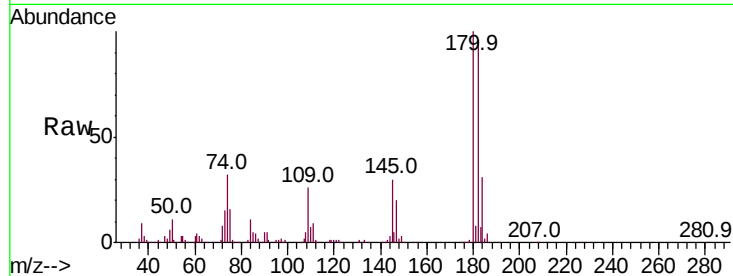
ClientSampleId :

VSTDCCC050EC

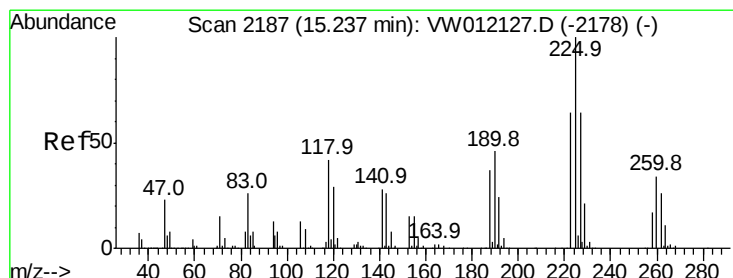
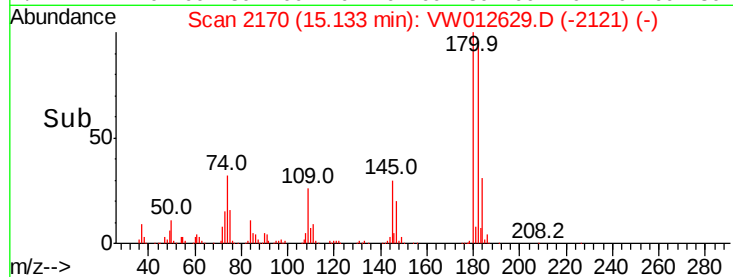
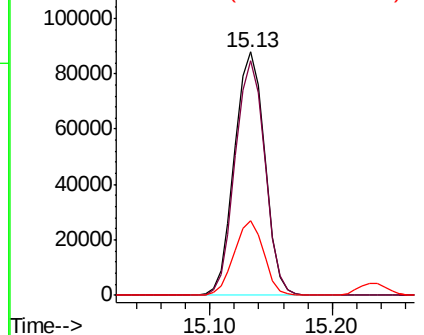
Tot Ion:	180	Resp:	150553
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.8	143.4
145	29.8	15.0	45.1

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Abundance Ion 179.80 (179.50 to 180.50): V
120000
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 53.451 ug/l

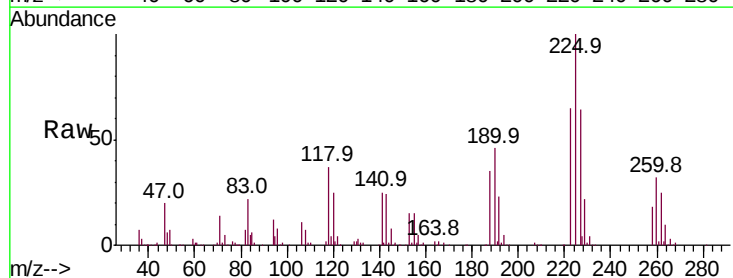
RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

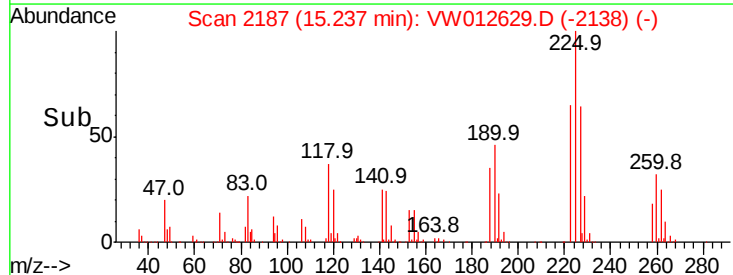
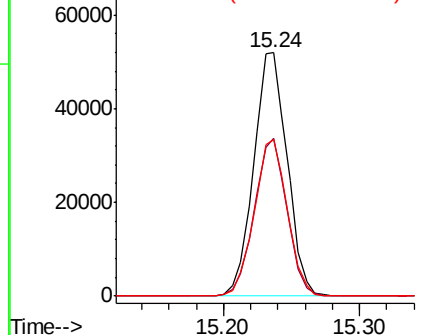
Lab File: VW012629.D

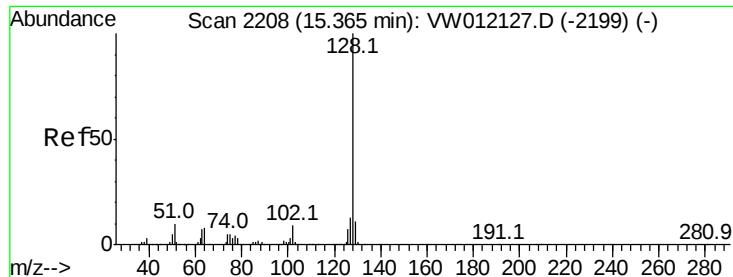
Acq: 05 Sep 2019 09:37

Tgt Ion:	225	Resp:	89585
Ion Ratio	Lower	Upper	
225	100		
223	63.0	32.3	96.8
227	63.5	32.9	98.6



Abundance Ion 224.70 (224.40 to 225.40): V
60000
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





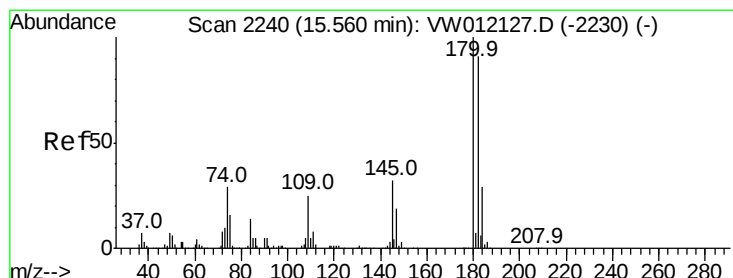
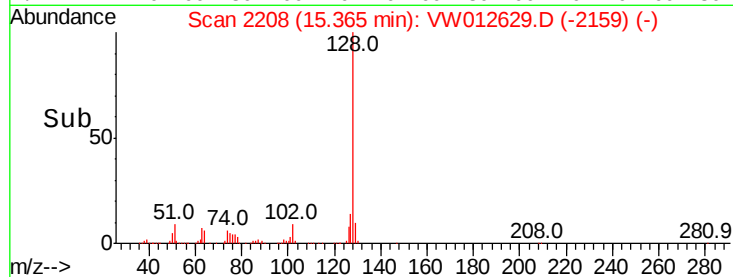
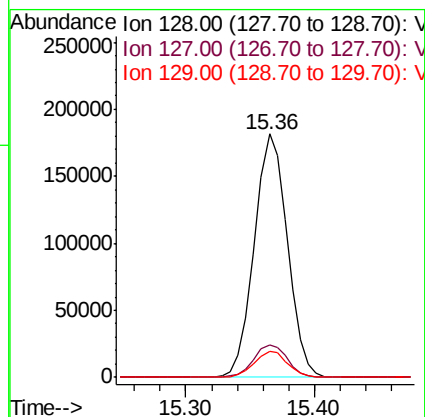
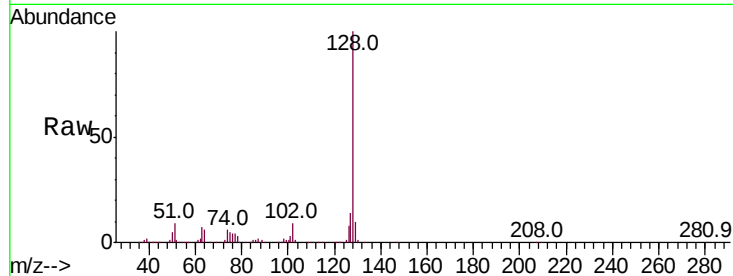
#95
Naphthalene
Concen: 63.366 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128	Resp:	321911
Ion Ratio	Lower	Upper
128 100		
127 13.6	10.7	16.1
129 10.7	8.7	13.1

Manual Integrations
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MMDadoda
9/7/2019 12:46:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 63.263 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012629.D
Acq: 05 Sep 2019 09:37

Tgt Ion:180	Resp:	140100
Ion Ratio	Lower	Upper
180 100		
182 95.3	47.1	141.3
145 32.2	16.2	48.5

