

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013197.D
 Acq On : 20 Sep 2019 21:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:58 AM

Quant Time: Sep 21 05:26:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	211815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147189	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.88	113	140349	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.32	98	590890	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
62) 4-Bromofluorobenzene	12.62	95	199935	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	84147	43.259	ug/l	98
3) Chloromethane	2.21	50	113605	45.433	ug/l	100
4) Vinyl Chloride	2.35	62	150645	46.732	ug/l	100
5) Bromomethane	2.77	94	96635	47.304	ug/l	95
6) Chloroethane	2.92	64	88285	46.462	ug/l	98
7) Trichlorofluoromethane	3.25	101	83450	44.894	ug/l	97
8) Diethyl Ether	3.67	74	78331	49.335	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	148829	49.179	ug/l	98
10) Methyl Iodide	4.26	142	222201	47.358	ug/l	100
11) Tert butyl alcohol	5.18	59	56001	284.041	ug/l	98
12) 1,1-Dichloroethene	4.03	96	150310	47.964	ug/l	98
13) Acrolein	3.89	56	44650	281.829	ug/l	99
14) Allyl chloride	4.66	41	240592	48.240	ug/l	99
15) Acrylonitrile	5.36	53	188565	275.159	ug/l	99
16) Acetone	4.12	43	156463	252.097	ug/l	100
17) Carbon Disulfide	4.38	76	440801	48.665	ug/l	98
18) Methyl Acetate	4.67	43	95658	54.830	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	248212	51.680	ug/l	96
20) Methylene Chloride	4.91	84	154670	48.650	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	164708	48.628	ug/l	94
22) Diisopropyl ether	6.31	45	471637	49.729	ug/l	98
23) Vinyl Acetate	6.25	43	1470551	261.364	ug/l	100
24) 1,1-Dichloroethane	6.21	63	276757	48.359	ug/l	99
25) 2-Butanone	7.17	43	249846	268.164	ug/l	93
26) 2,2-Dichloropropane	7.16	77	163815	47.686	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	171895	48.090	ug/l	98
28) Bromochloromethane	7.51	49	122226	55.646	ug/l	99
29) Tetrahydrofuran	7.52	42	159583	279.297	ug/l	99
30) Chloroform	7.67	83	269106	48.029	ug/l	98
31) Cyclohexane	7.95	56	282142	47.295	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	221451	48.799	ug/l	99
36) 1,1-Dichloropropene	8.08	75	230311	49.521	ug/l	99
37) Ethyl Acetate	7.25	43	109415	55.355	ug/l	99
38) Carbon Tetrachloride	8.07	117	210532	50.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	300793	50.327	ug/l	98
40) Benzene	8.32	78	645422	49.753	ug/l	99
41) Methacrylonitrile	7.48	41	59974	50.838	ug/l	91
42) 1,2-Dichloroethane	8.40	62	175393	50.295	ug/l	100
43) Isopropyl Acetate	8.42	43	208061	54.922	ug/l	98
44) Trichloroethene	9.09	130	178269	48.979	ug/l	100
45) 1,2-Dichloropropane	9.37	63	159006	50.205	ug/l	96
46) Dibromomethane	9.46	93	78052	50.761	ug/l	99
47) Bromodichloromethane	9.64	83	194086	49.606	ug/l	97
48) Methyl methacrylate	9.43	41	104347	58.577	ug/l	96
49) 1,4-Dioxane	9.46	88	27381	1186.307	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	539320	283.977	ug/l	99
52) Toluene	10.38	92	411428	49.486	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	205756	51.186	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	244490	50.023	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	115379	50.203	ug/l	99
56) Ethyl methacrylate	10.65	69	167400	55.655	ug/l	98
57) 1,3-Dichloropropane	10.93	76	206724	51.545	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	399446	286.866	ug/l	99
59) 2-Hexanone	10.96	43	369464	282.763	ug/l	99
60) Dibromochloromethane	11.13	129	135085	51.764	ug/l	100
61) 1,2-Dibromoethane	11.23	107	114631	52.459	ug/l	99
64) Tetrachloroethene	10.86	164	158982	50.717	ug/l	97
65) Chlorobenzene	11.66	112	422993	49.030	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	151516	51.407	ug/l	100
67) Ethyl Benzene	11.73	91	792511	50.699	ug/l	100
68) m/p-Xylenes	11.83	106	603456	101.308	ug/l	99
69) o-Xylene	12.16	106	278418	50.274	ug/l	98
70) Styrene	12.18	104	484537	50.963	ug/l	100
71) Bromoform	12.35	173	86232	55.380	ug/l #	97
73) Isopropylbenzene	12.46	105	777259	49.675	ug/l	100
74) N-amyl acetate	12.27	43	189538	54.590	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	138942	53.096	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	86236m	46.101	ug/l	
77) Bromobenzene	12.74	156	182452	49.206	ug/l	97
78) n-propylbenzene	12.80	91	915324	49.976	ug/l	100
79) 2-Chlorotoluene	12.89	91	506163	49.329	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	652529	49.611	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45305	54.346	ug/l	99
82) 4-Chlorotoluene	12.99	91	530813	49.056	ug/l	99
83) tert-Butylbenzene	13.21	119	577486	50.023	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	648757	49.568	ug/l	100
85) sec-Butylbenzene	13.38	105	791140	49.707	ug/l	100
86) p-Isopropyltoluene	13.49	119	741717	50.244	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	348514	48.838	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	343628	49.099	ug/l	99
89) n-Butylbenzene	13.82	91	683340	50.695	ug/l	99
90) Hexachloroethane	14.09	117	125038	50.420	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	308044	49.897	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22253	55.597	ug/l	97

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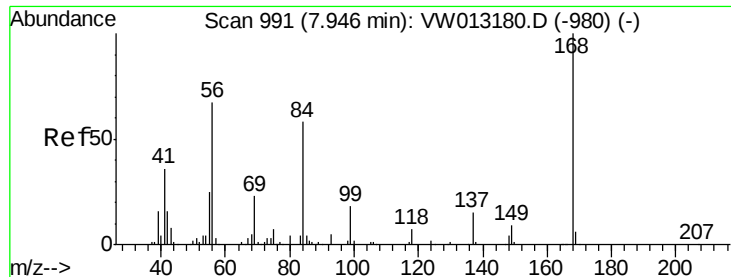
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	220273	49.792	ug/l	99
94) Hexachlorobutadiene	15.24	225	145711	48.144	ug/l	99
95) Naphthalene	15.36	128	403612	55.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	193341	50.579	ug/l	100

(#) = 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: VW013197.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 337215

Ion Ratio Lower Upper

168 100

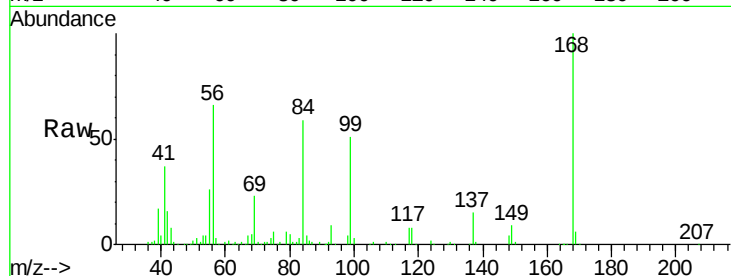
99 51.2 40.2 60.4

Manual Integrations

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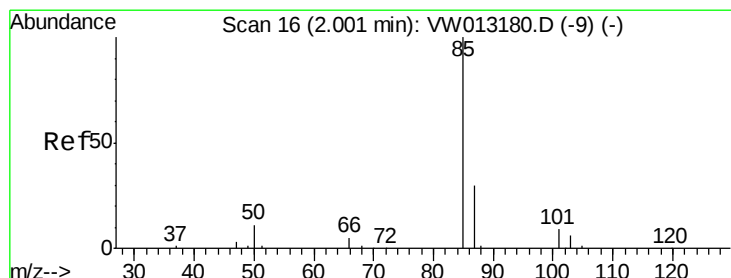
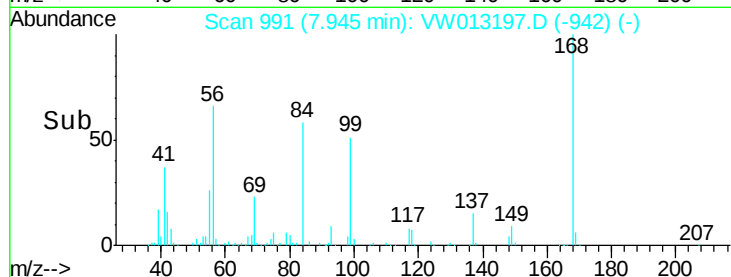
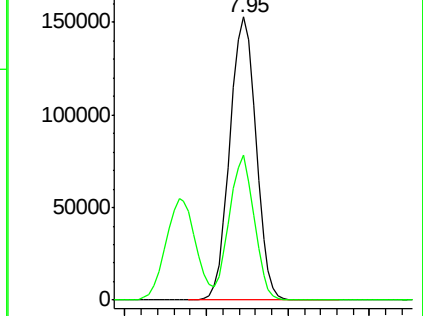
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.259 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013197.D

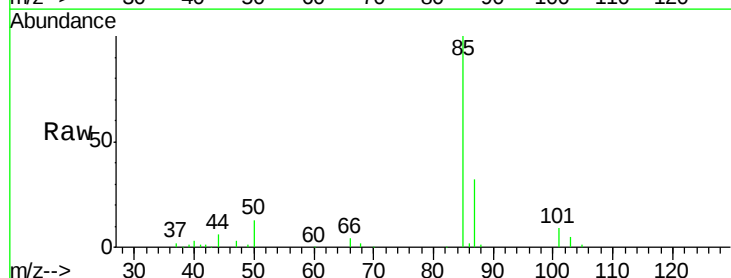
Acq: 20 Sep 2019 21:52

Tgt Ion: 85 Resp: 84147

Ion Ratio Lower Upper

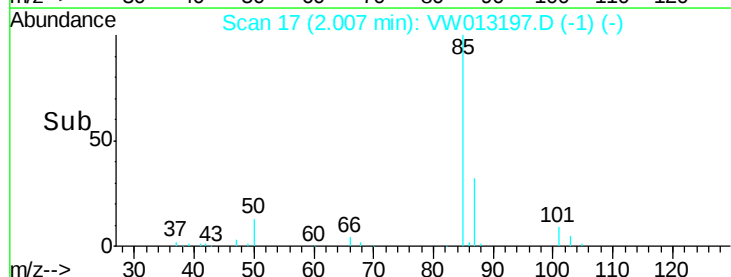
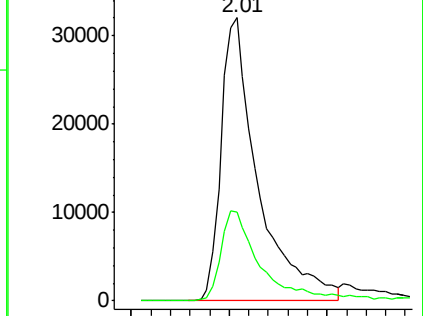
85 100

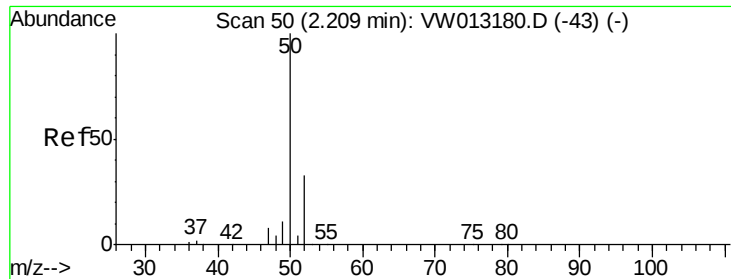
87 31.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.433 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 113605

Ion Ratio Lower Upper

50 100

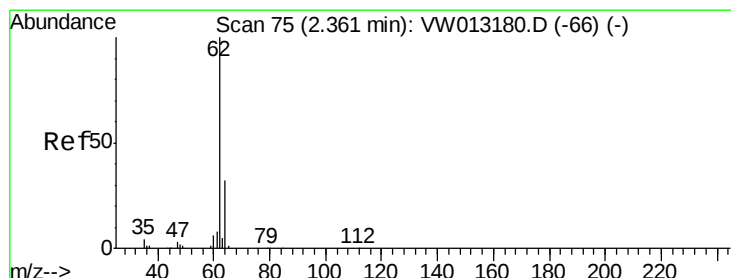
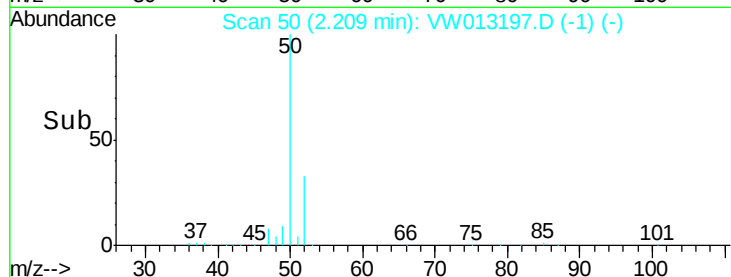
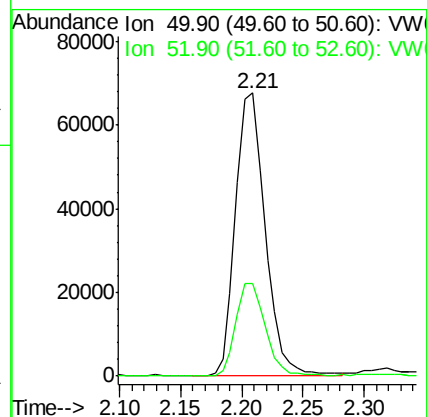
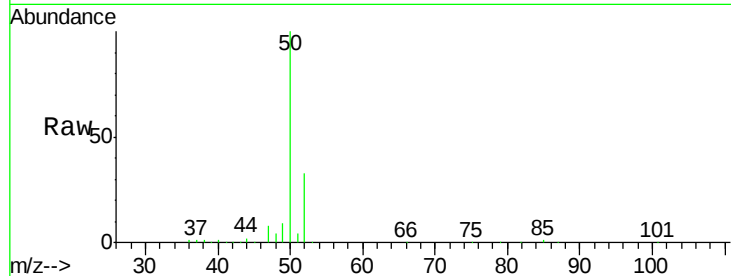
52 32.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.732 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013197.D

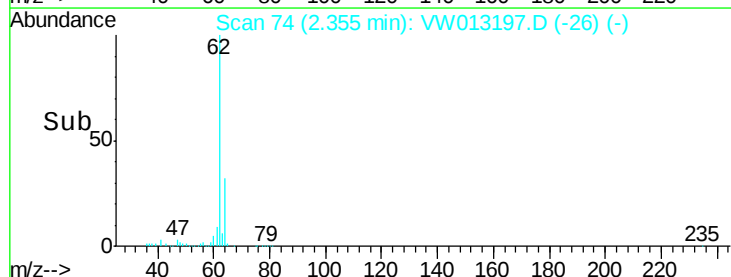
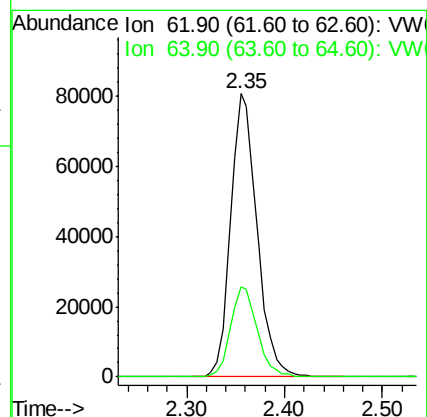
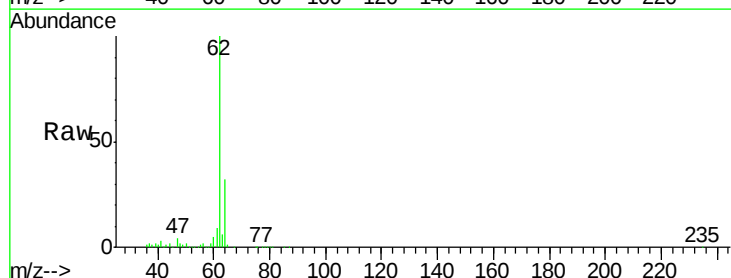
Acq: 20 Sep 2019 21:52

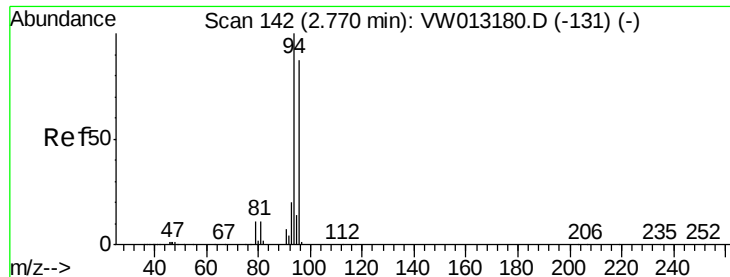
Tgt Ion: 62 Resp: 150645

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 47.304 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

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ClientSampleId :

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Tot Ion: 94 Resp: 96635

Ion Ratio Lower Upper

94 100

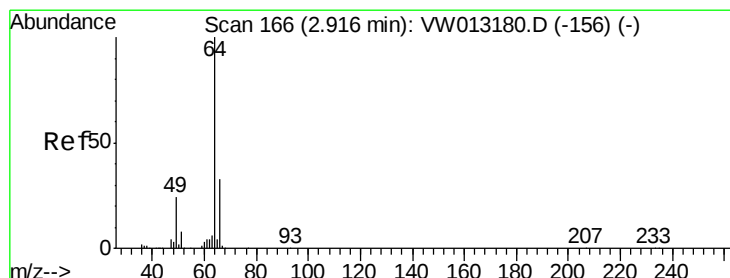
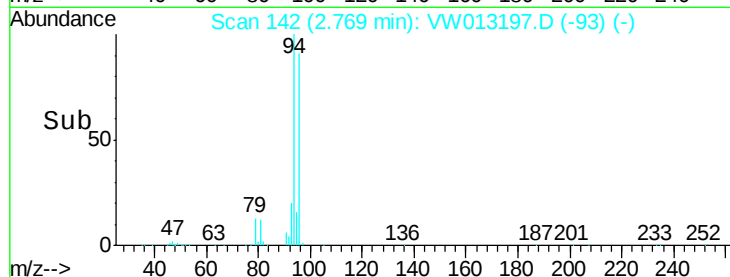
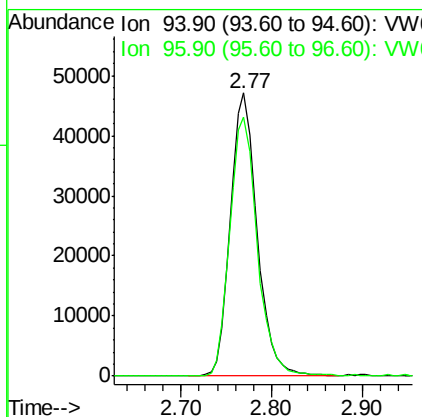
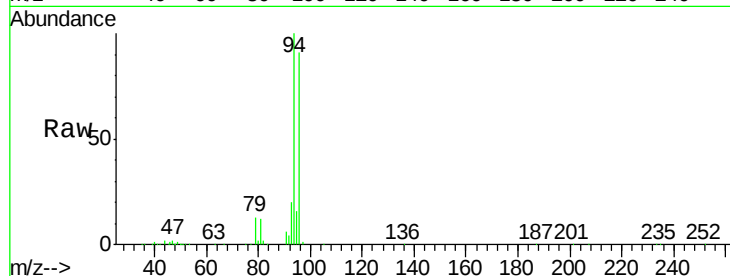
96 91.4 69.7 104.5

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#6

Chloroethane

Concen: 46.462 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013197.D

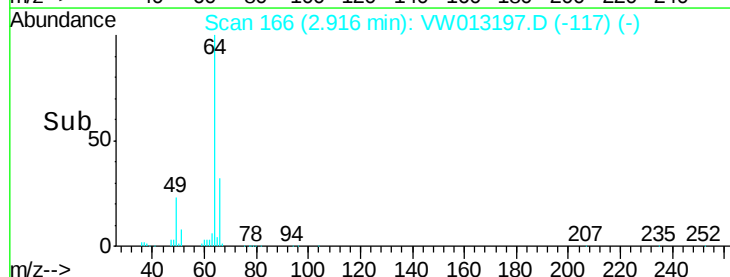
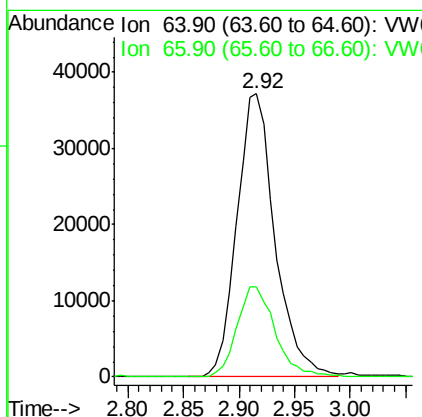
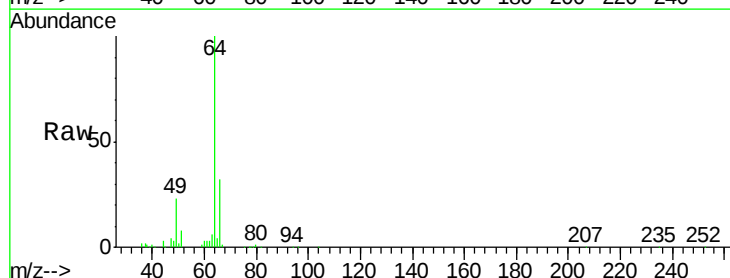
Acq: 20 Sep 2019 21:52

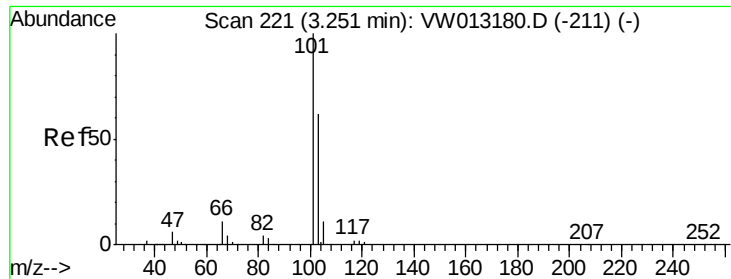
Tgt Ion: 64 Resp: 88285

Ion Ratio Lower Upper

64 100

66 31.9 26.6 39.8





#7

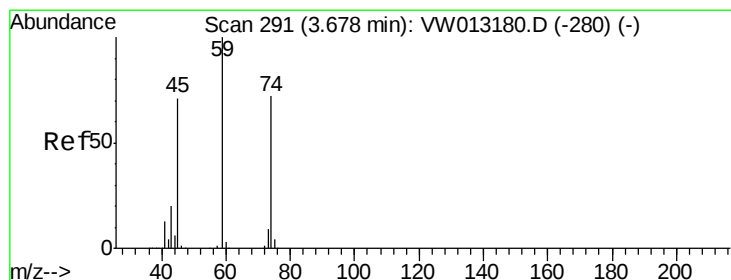
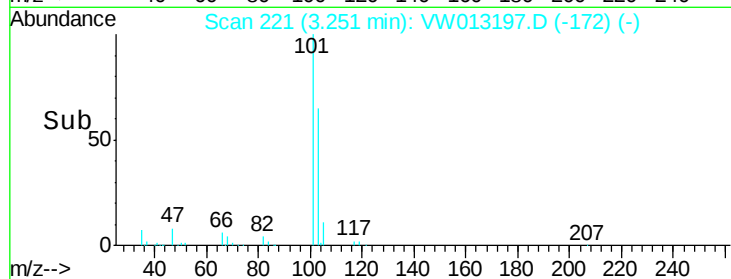
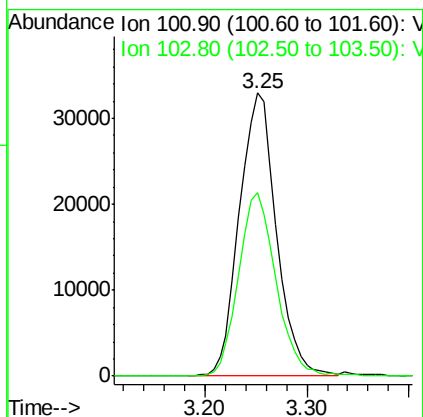
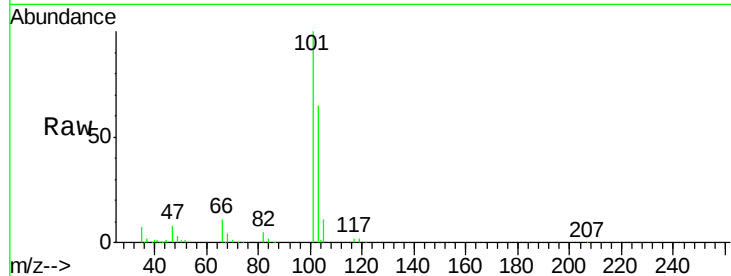
Trichlorofluoromethane
Concen: 44.894 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013197.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	49.7	74.5

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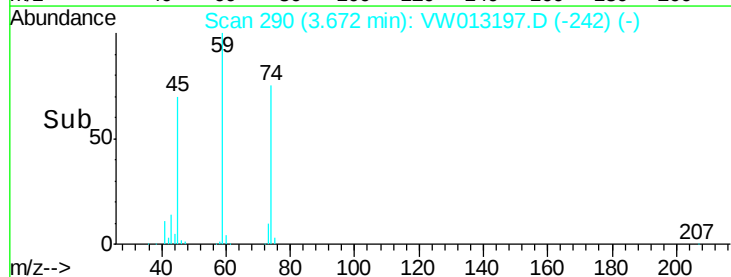
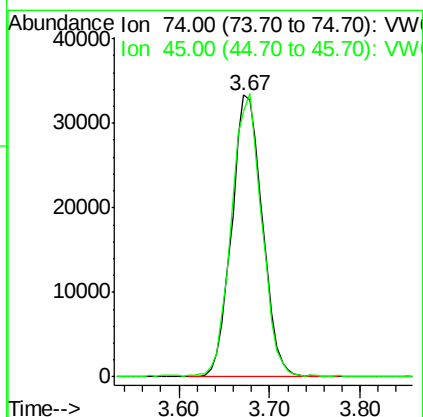
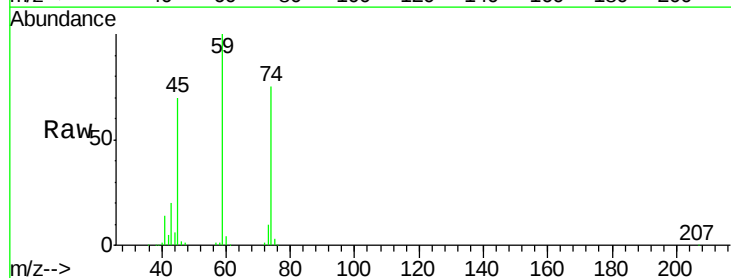
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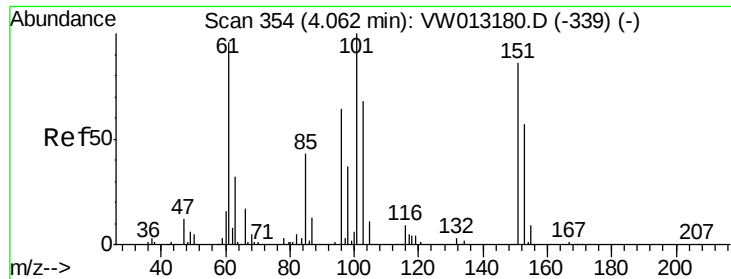


#8

Diethyl Ether
Concen: 49.335 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.179 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013197.D

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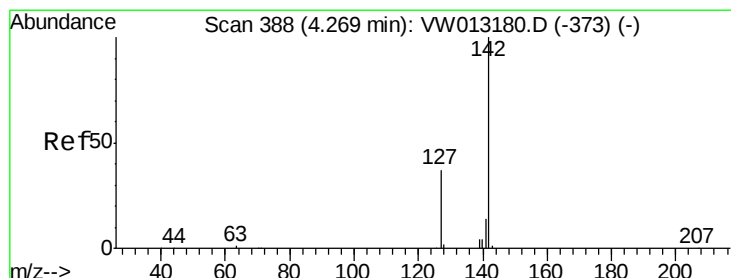
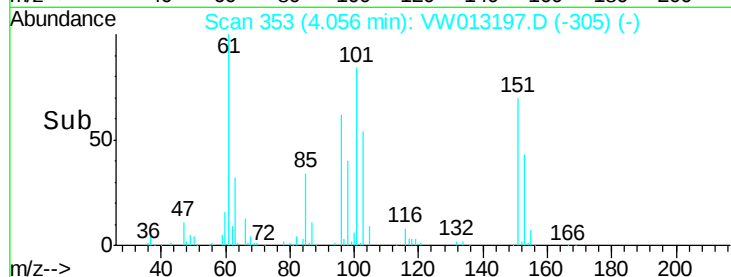
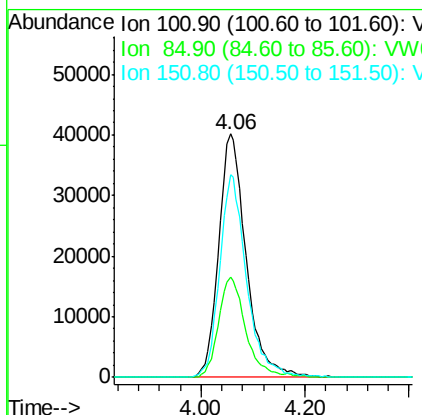
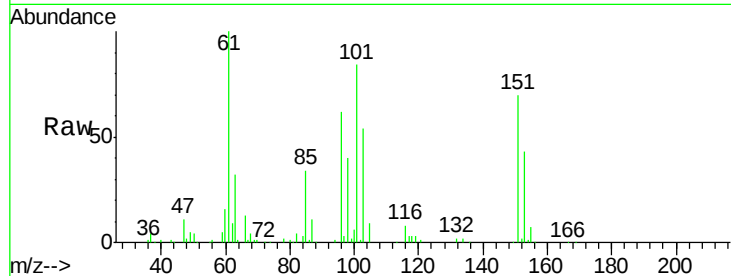
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	148829
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.4	50.0
151	81.2	66.9	100.3

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#10

Methyl Iodide

Concen: 47.358 ug/l

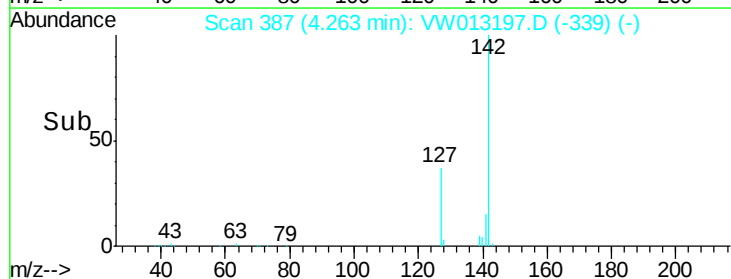
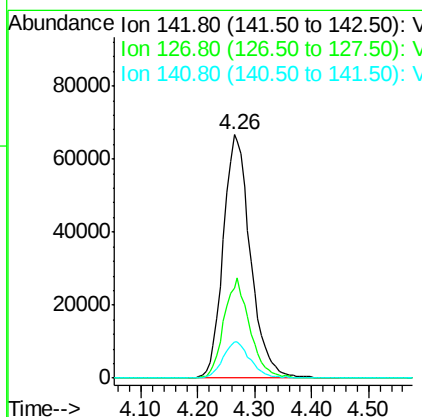
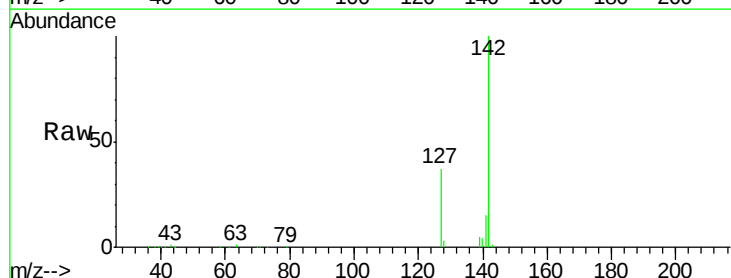
RT: 4.26 min Scan# 387

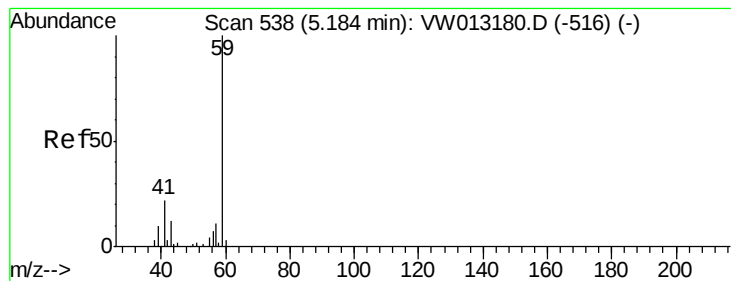
Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion:	142	Resp:	222201
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.9	46.3
141	14.7	11.7	17.5





#11

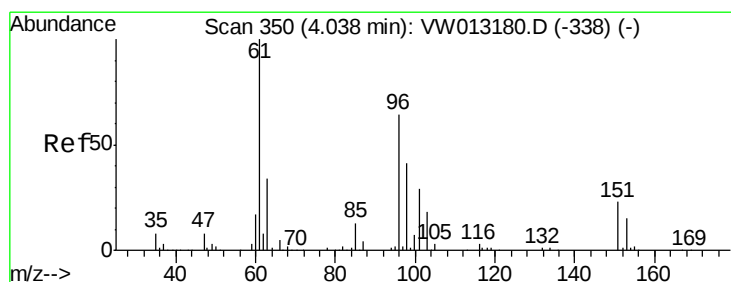
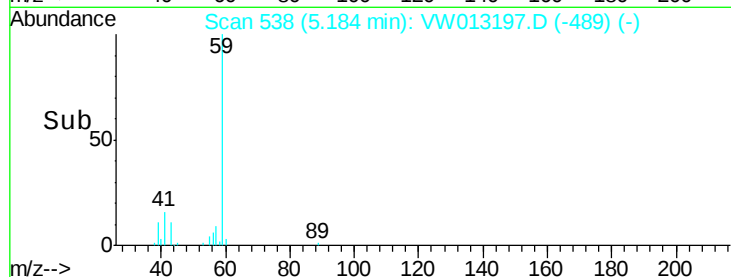
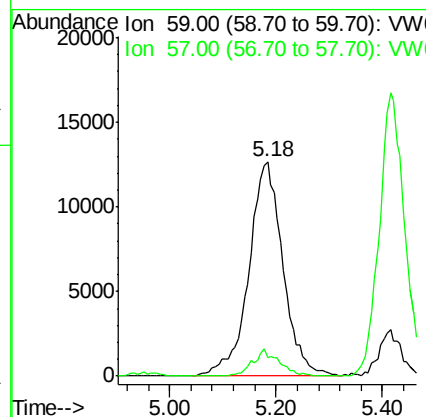
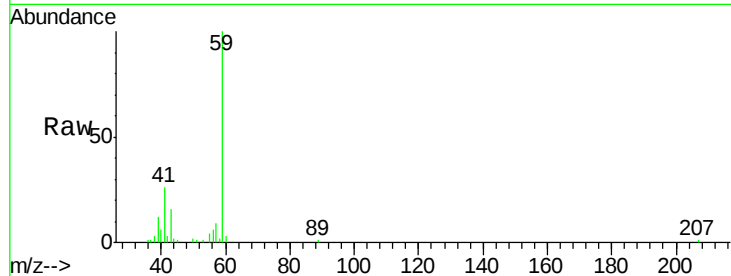
Tert butyl alcohol
Concen: 284.041 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	56001		
57	9.6		8.2	12.2

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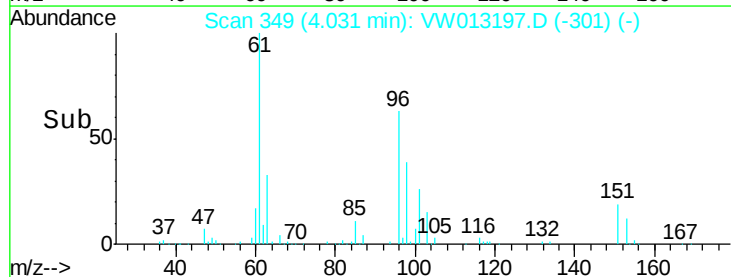
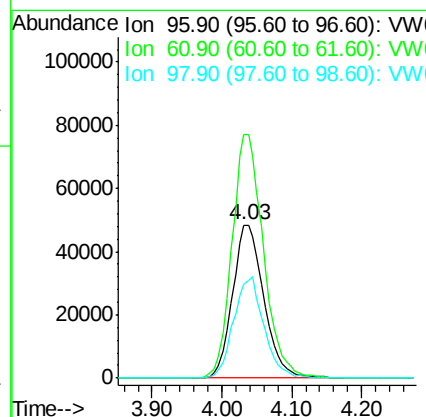
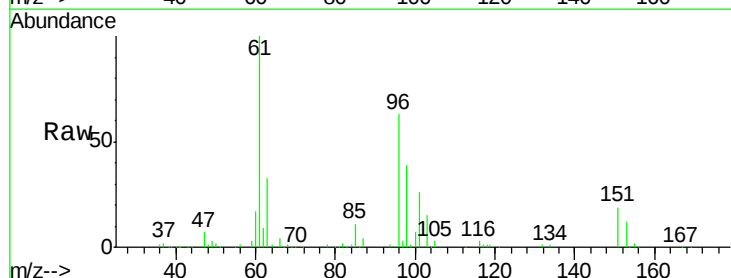
MMDadoda
9/24/2019 5:28:58 AM

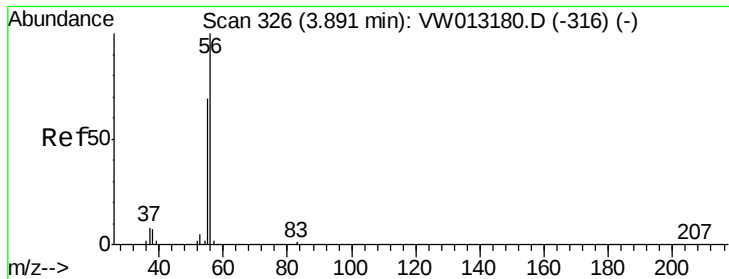


#12

1,1-Dichloroethene
Concen: 47.964 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	150310		
61	159.4		125.1	187.7
98	61.6		50.8	76.2





#13

Acrolein

Concen: 281.829 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 44650

Ion Ratio Lower Upper

56 100

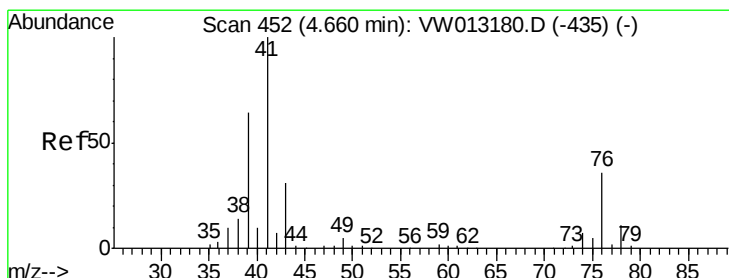
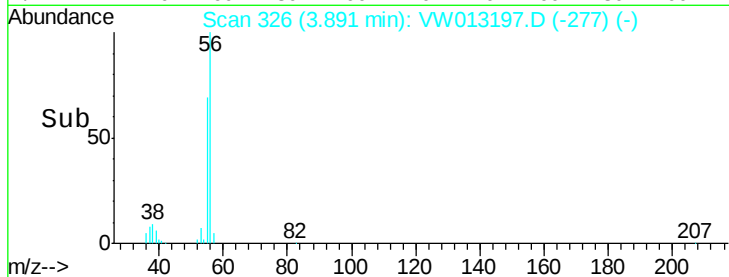
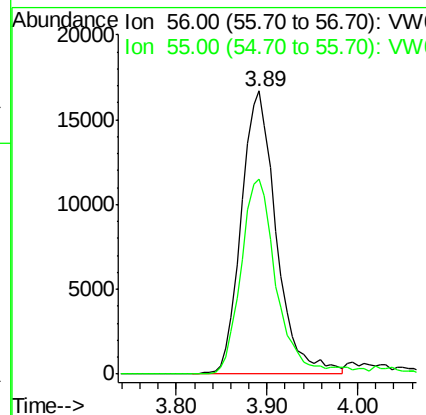
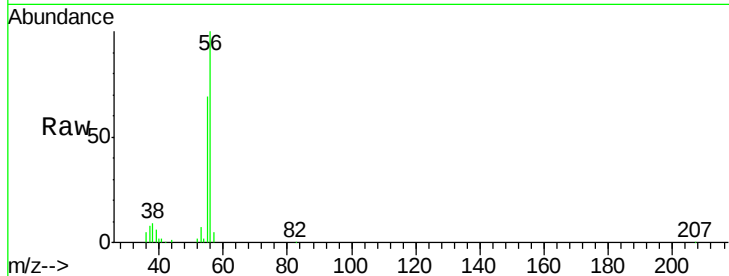
55 68.6 55.4 83.0

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#14

Allyl chloride

Concen: 48.240 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

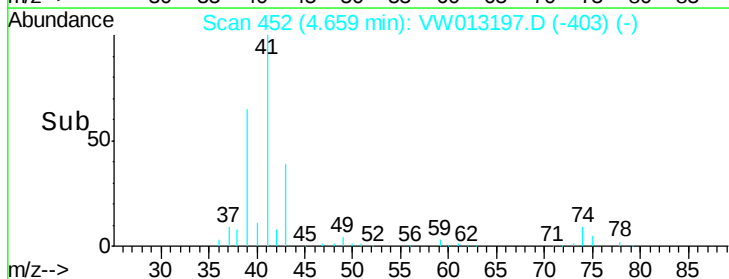
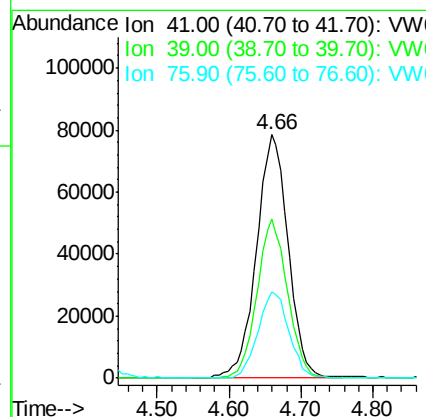
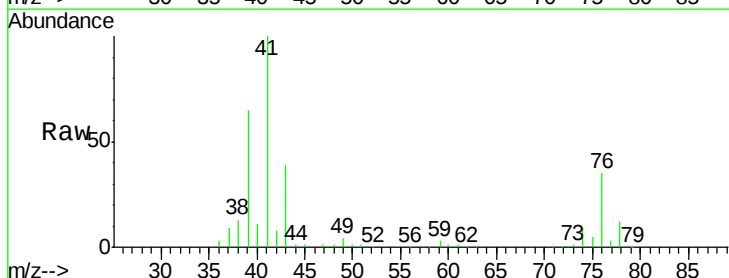
Tgt Ion: 41 Resp: 240592

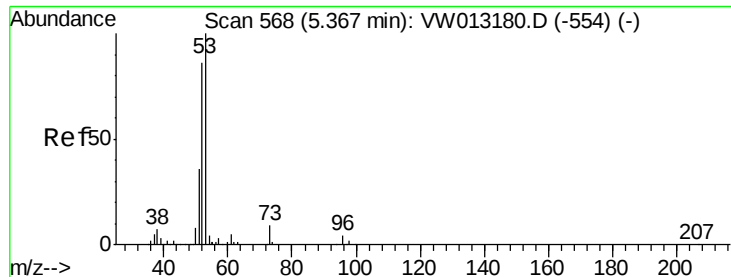
Ion Ratio Lower Upper

41 100

39 62.7 51.0 76.4

76 34.5 28.4 42.6





#15

Acrylonitrile

Concen: 275.159 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

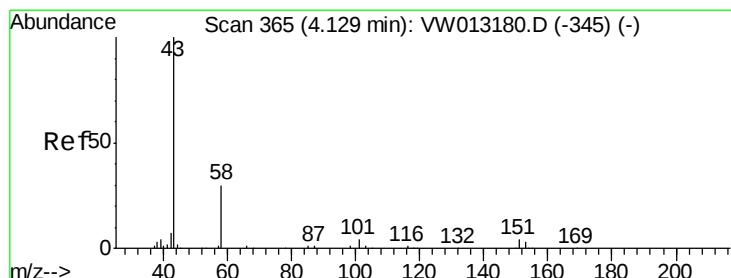
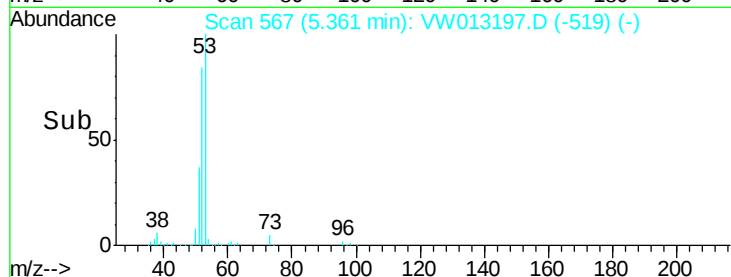
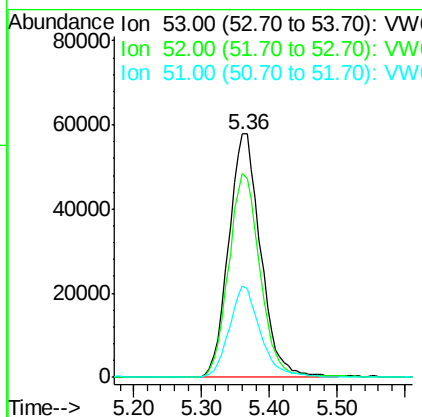
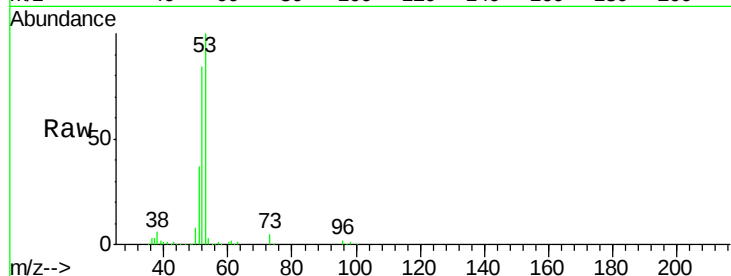
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	188565
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.3	97.9
51	36.6	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 252.097 ug/l

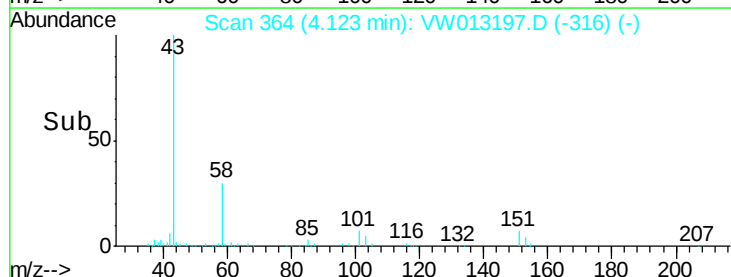
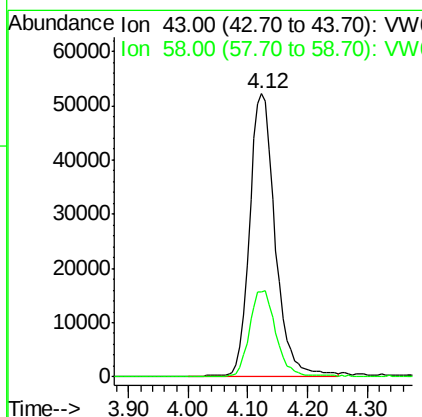
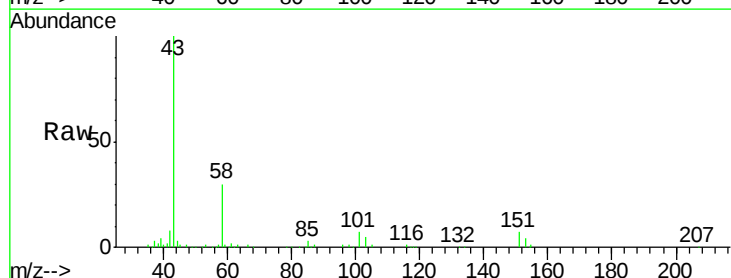
RT: 4.12 min Scan# 364

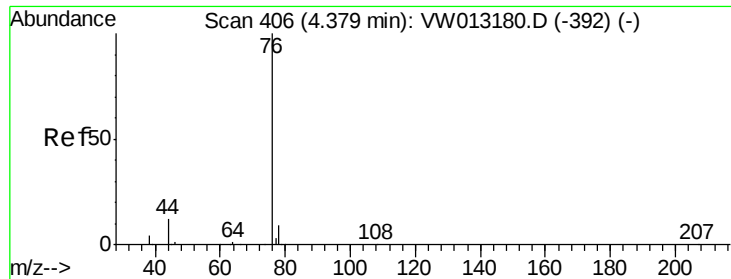
Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion:	43	Resp:	156463
Ion Ratio	Lower	Upper	
43	100		
58	30.0	24.1	36.1





#17

Carbon Disulfide

Concen: 48.665 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 440801

Ion Ratio Lower Upper

76 100

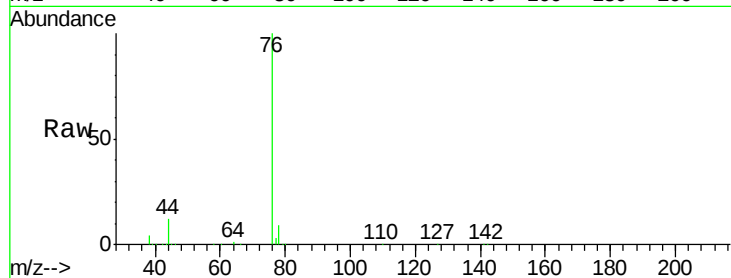
78 9.4 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

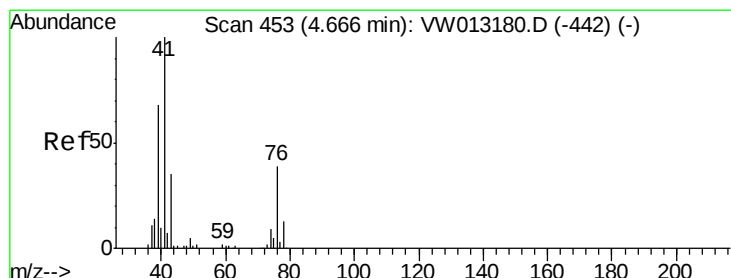
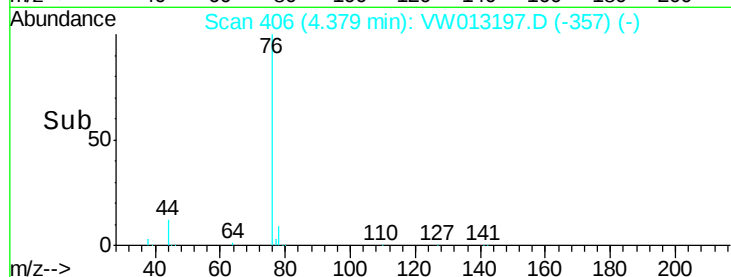
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 54.830 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013197.D

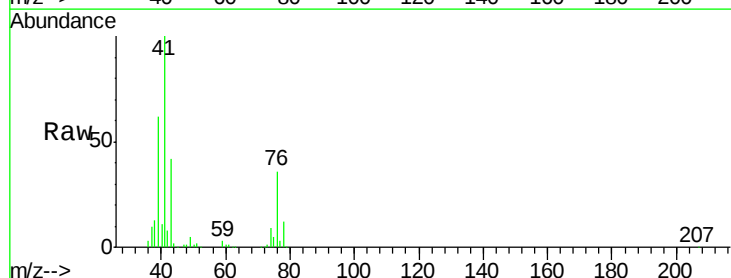
Acq: 20 Sep 2019 21:52

Tgt Ion: 43 Resp: 95658

Ion Ratio Lower Upper

43 100

74 22.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

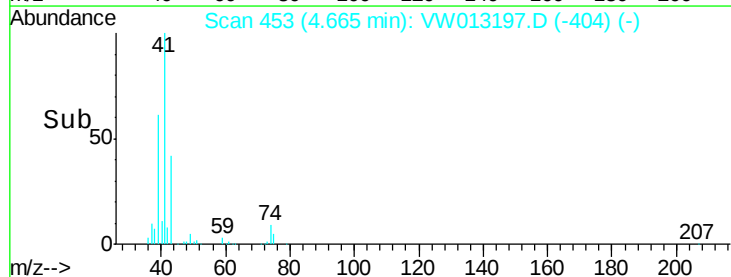
30000

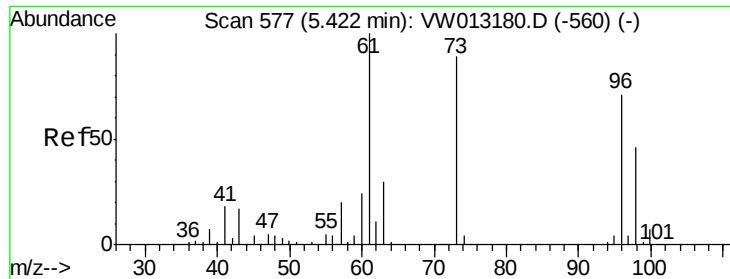
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





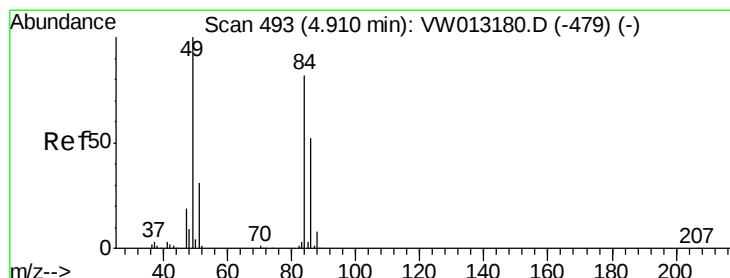
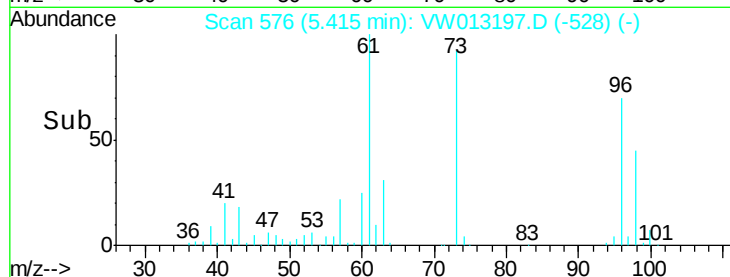
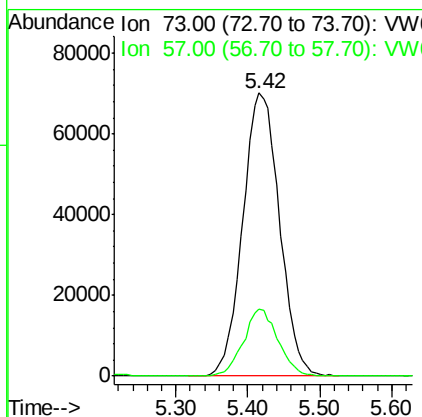
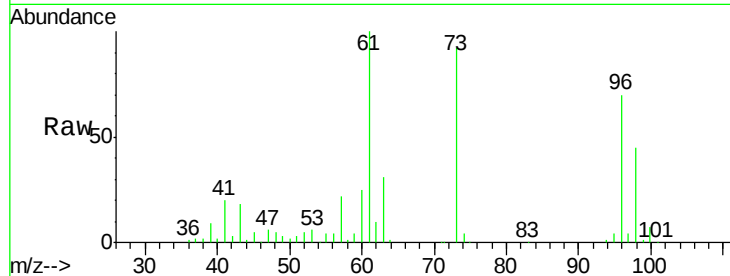
#19
Methyl tert-butyl Ether
Concen: 51.680 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 248212
Ion Ratio Lower Upper
73 100
57 23.9 17.6 26.4

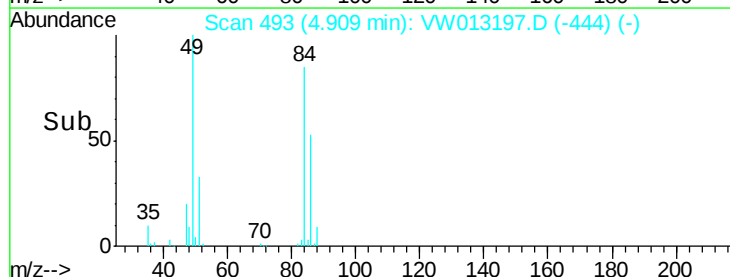
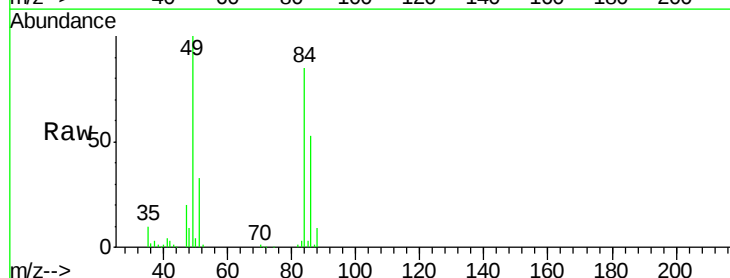
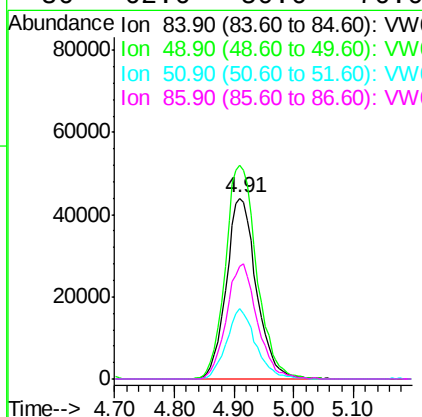
Manual Integrations
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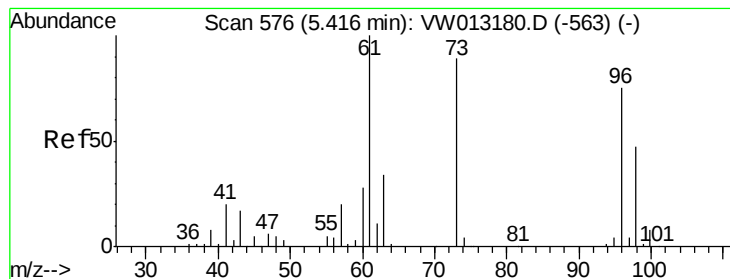
MMDadoda
9/24/2019 5:28:58 AM



#20
Methylene Chloride
Concen: 48.650 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 84 Resp: 154670
Ion Ratio Lower Upper
84 100
49 118.0 97.6 146.4
51 39.1 30.2 45.2
86 62.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.628 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 164708

Ion Ratio Lower Upper

96 100

61 142.1 106.6 159.8

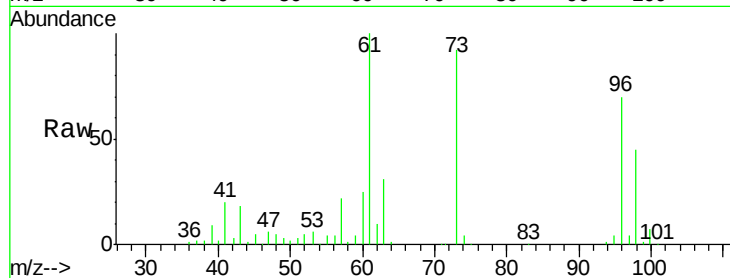
98 64.0 49.8 74.8

Manual Integrations

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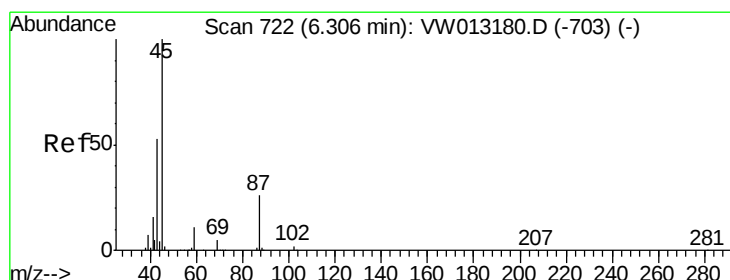
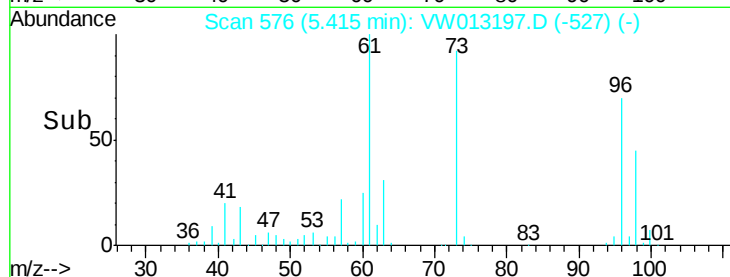
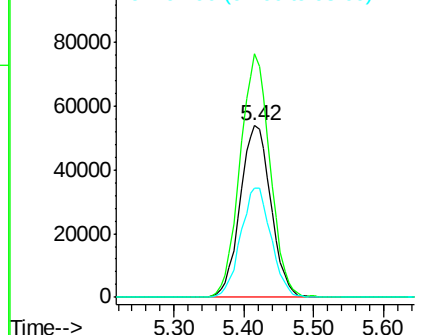


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 49.729 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion: 45 Resp: 471637

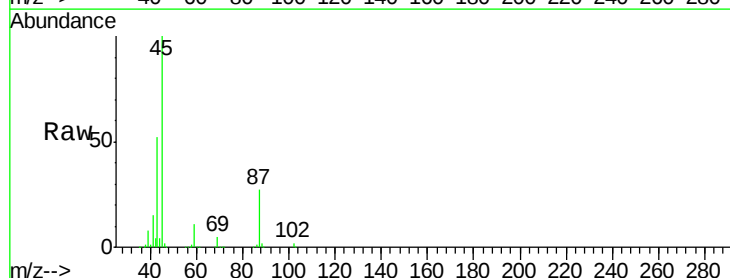
Ion Ratio Lower Upper

45 100

43 51.7 42.4 63.6

87 26.7 20.4 30.6

59 10.7 8.8 13.2



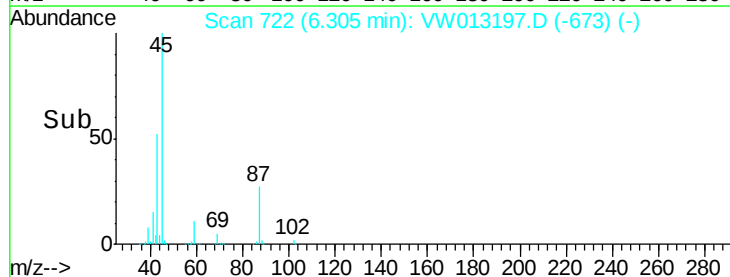
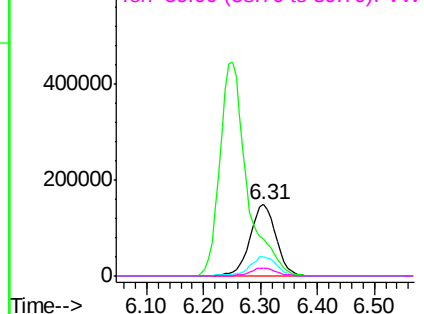
Abundance

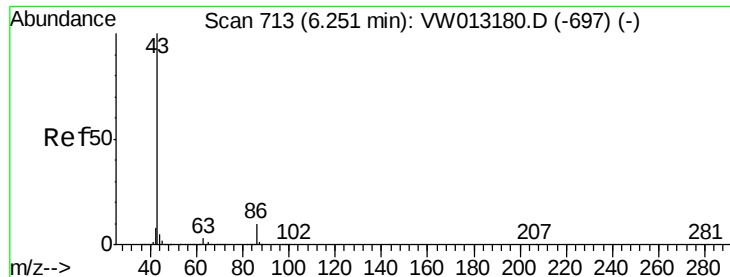
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





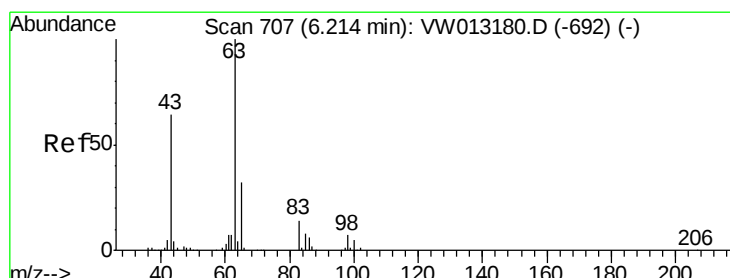
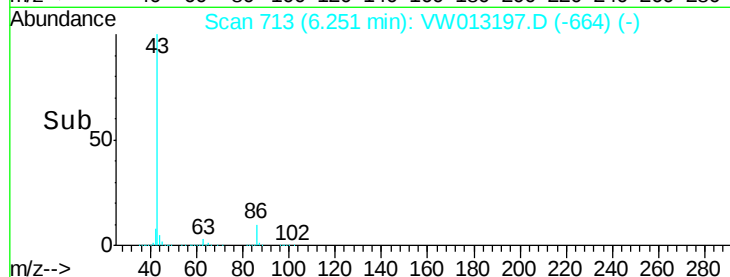
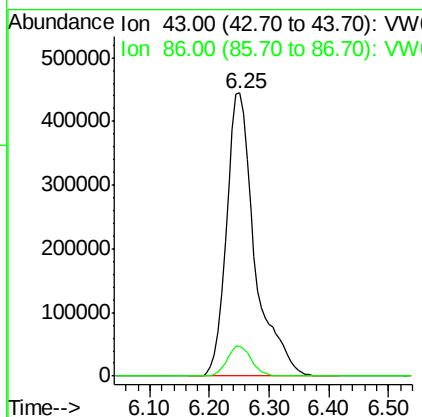
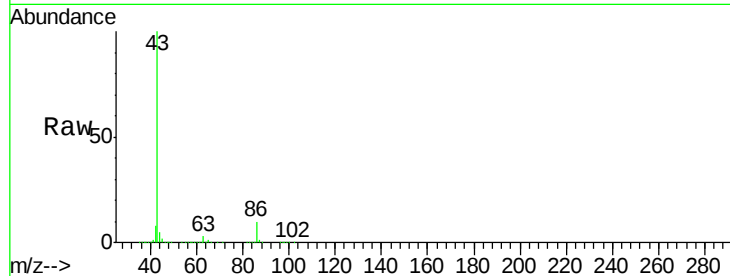
#23
 Vinyl Acetate
 Concen: 261.364 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1470551
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

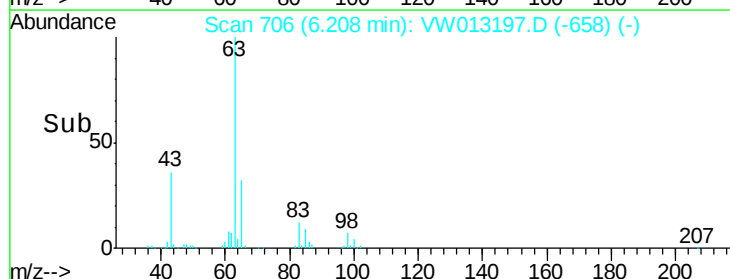
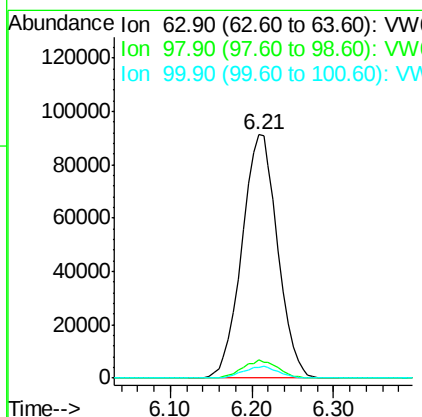
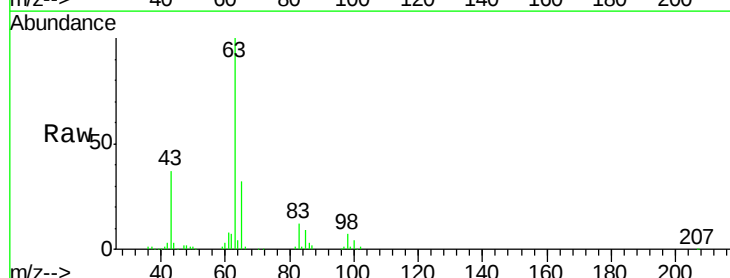
Manual Integrations
 APPROVED

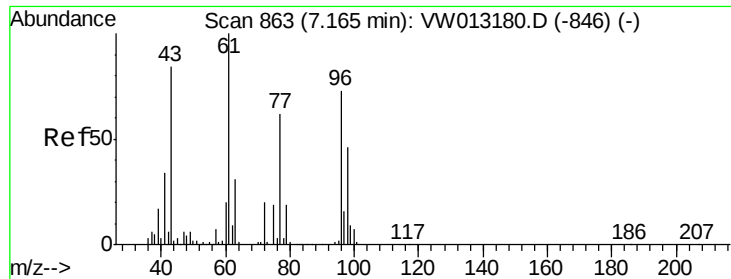
MMDadoda
 9/24/2019 5:28:58 AM



#24
 1,1-Dichloroethane
 Concen: 48.359 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion: 63 Resp: 276757
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.5
 100 4.4 2.4 7.1





#25

2-Butanone

Concen: 268.164 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 249846

Ion Ratio Lower Upper

43 100

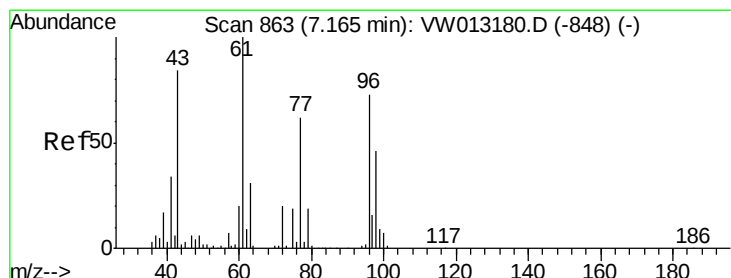
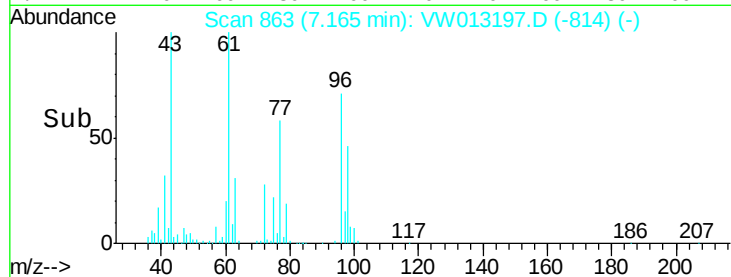
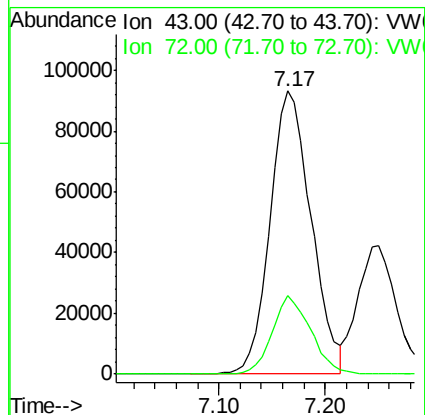
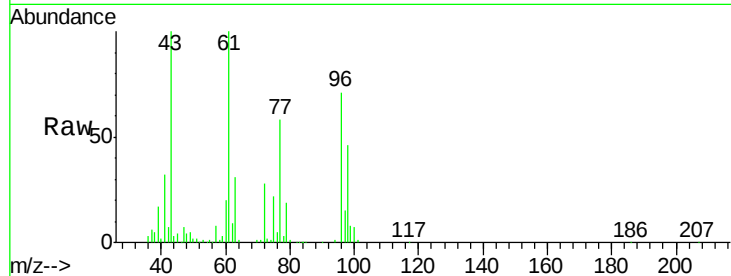
72 27.7 19.4 29.0

Manual Integrations

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MMDadoda

9/24/2019 5:28:58 AM



#26

2,2-Dichloropropane

Concen: 47.686 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013197.D

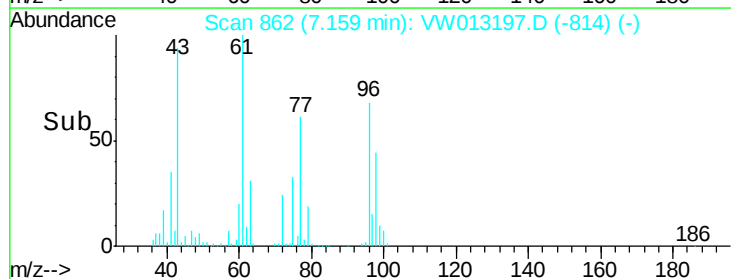
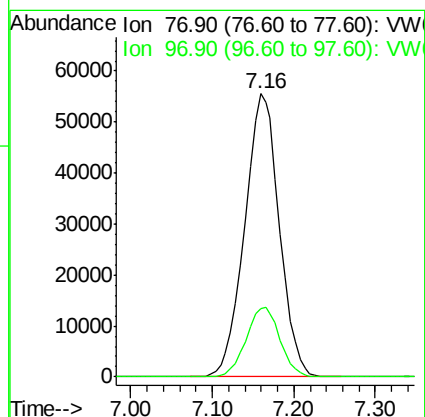
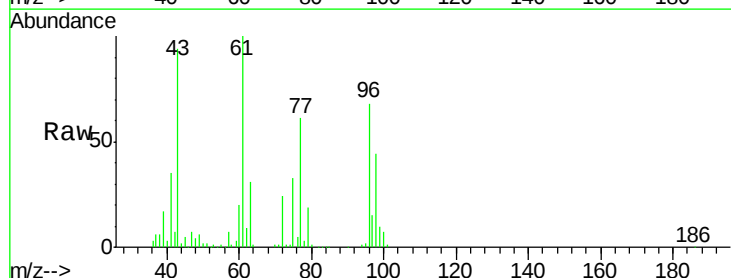
Acq: 20 Sep 2019 21:52

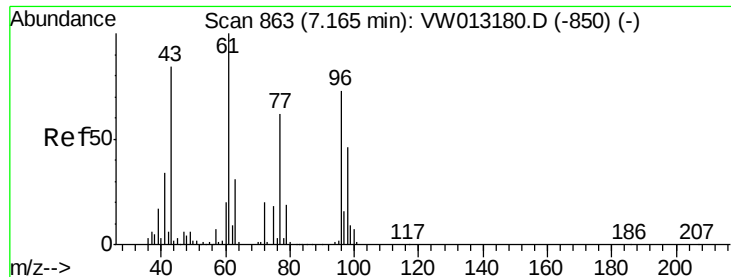
Tgt Ion: 77 Resp: 163815

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.4





#27

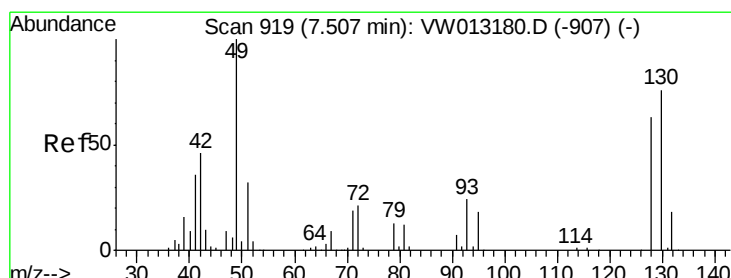
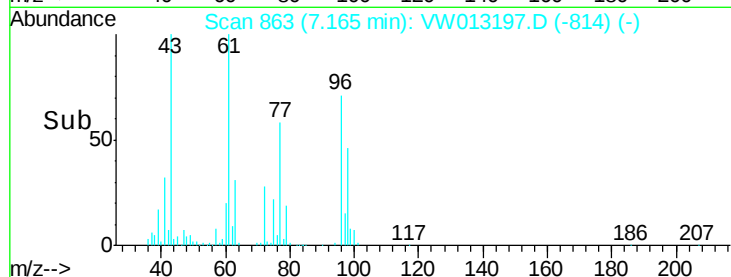
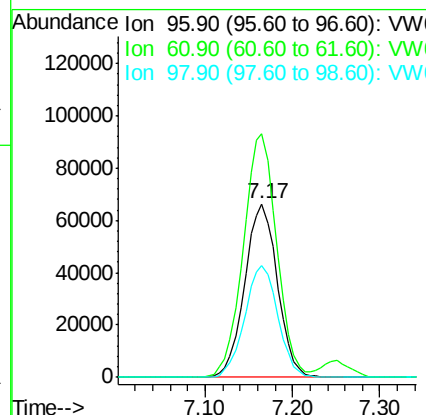
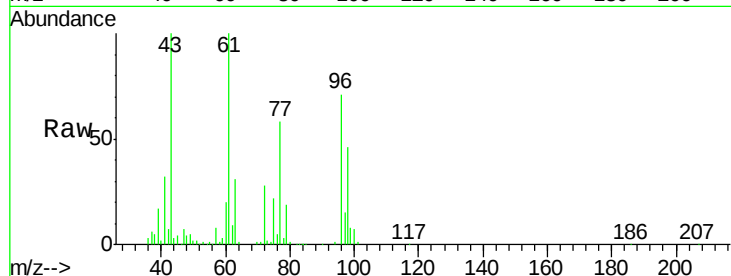
cis-1,2-Dichloroethene
Concen: 48.090 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	171895		
61	143.5	0.0	282.4	
98	65.4	0.0	128.2	

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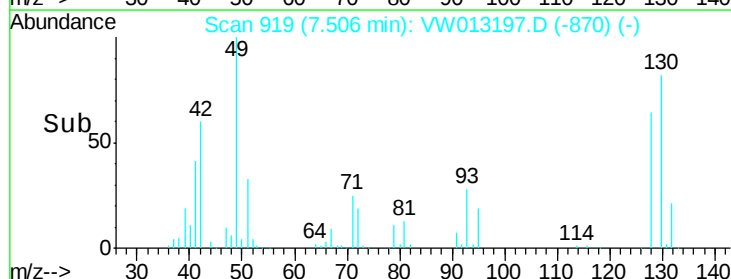
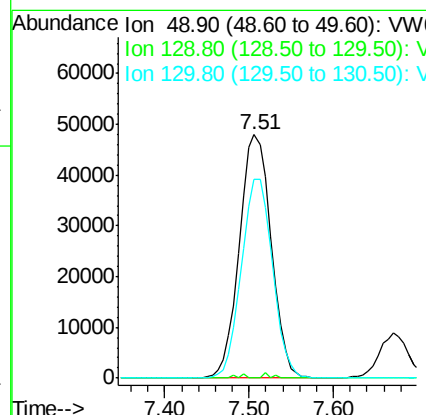
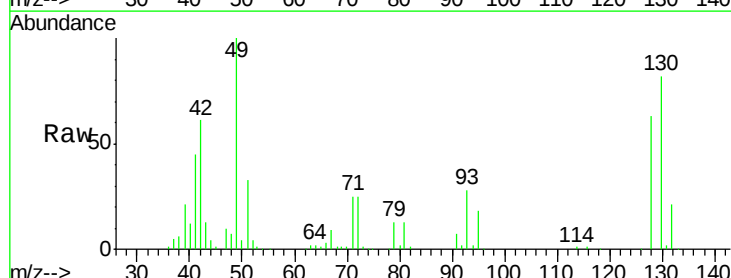
MMDadoda
9/24/2019 5:28:58 AM



#28

Bromochloromethane
Concen: 55.646 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122226		
129	0.5	0.0	1.0	
130	80.2	63.4	95.2	





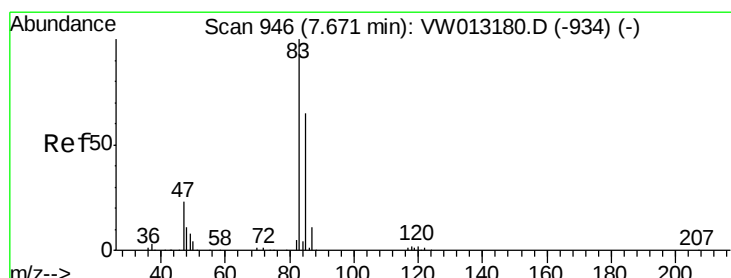
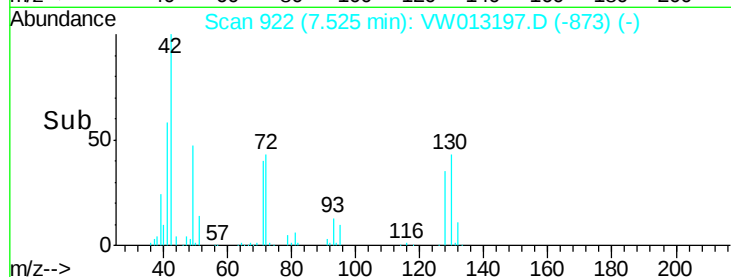
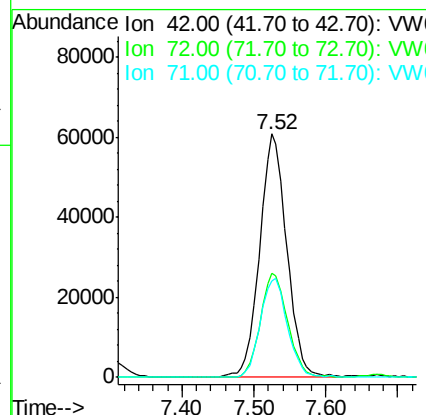
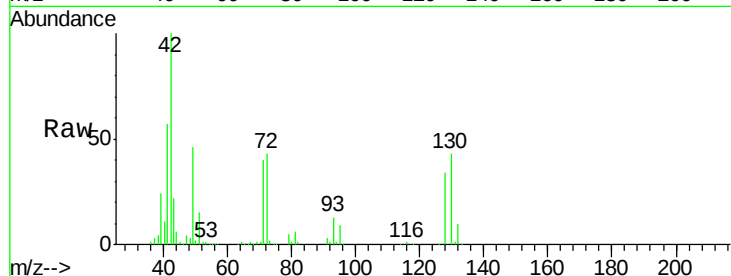
#29
Tetrahydrofuran
Concen: 279.297 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.9	50.9
71	40.5	31.9	47.9

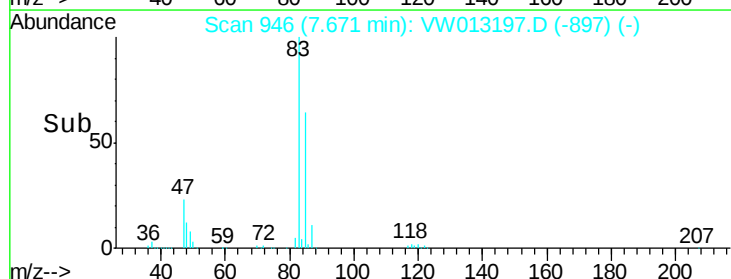
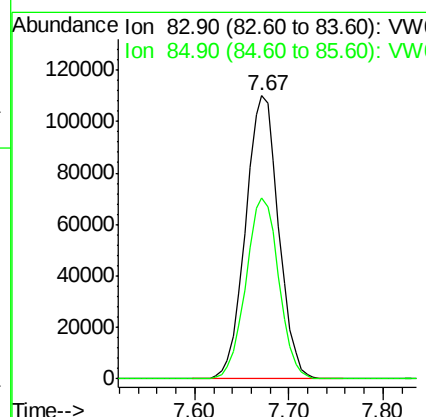
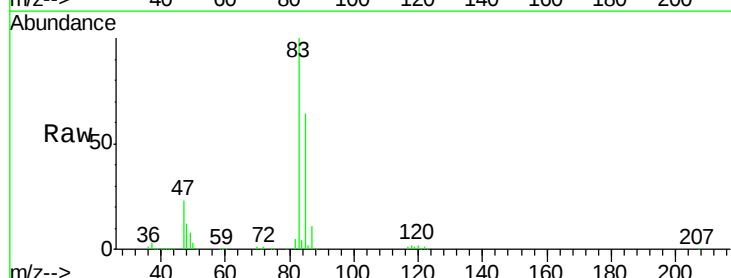
Manual Integrations
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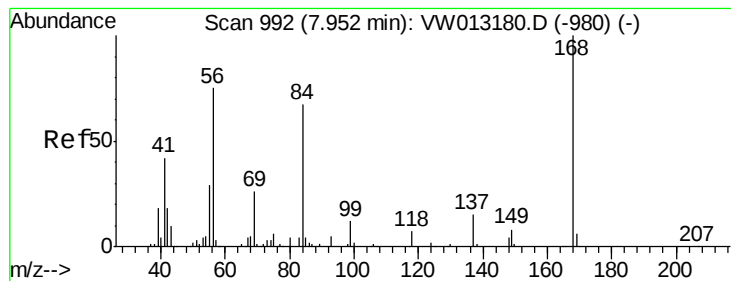
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#30
Chloroform
Concen: 48.029 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.3	78.5





#31

Cyclohexane

Concen: 47.295 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

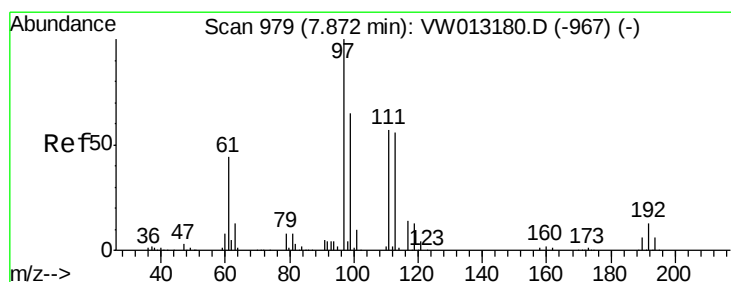
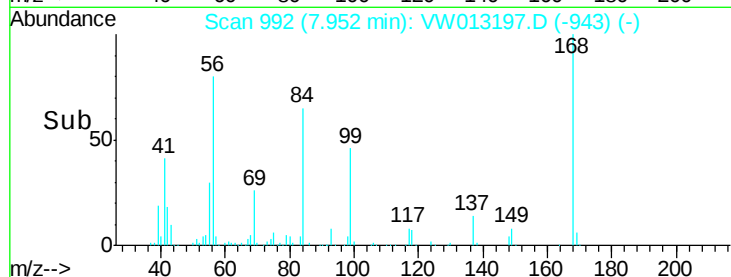
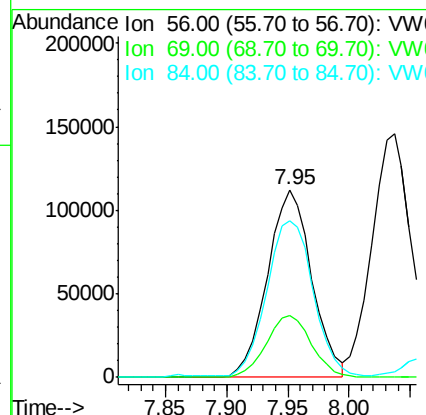
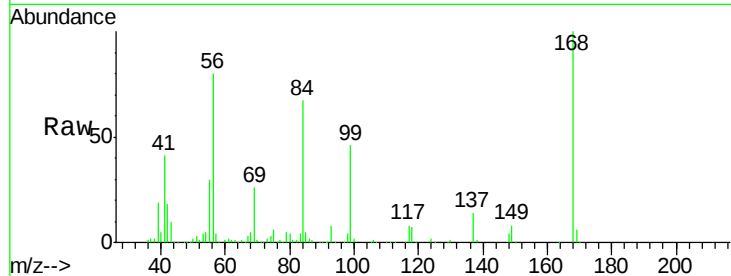
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	282142
Ion Ratio	Lower	Upper	
56	100		
69	33.0	27.2	40.8
84	82.3	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 48.799 ug/l

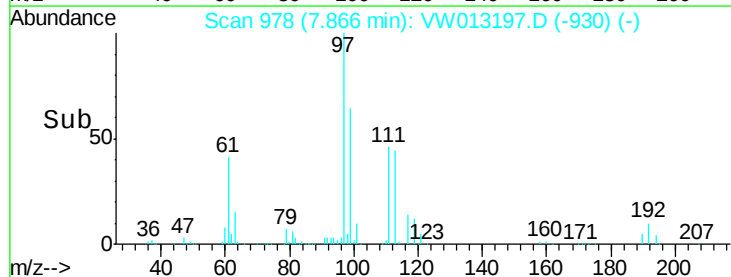
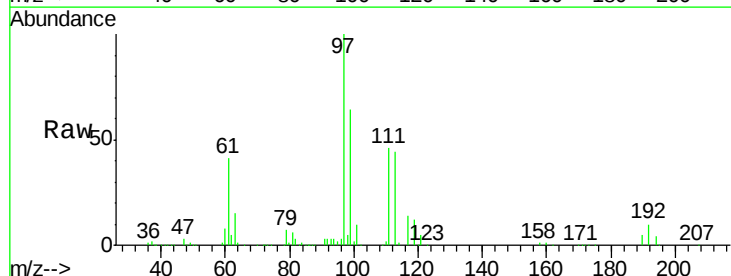
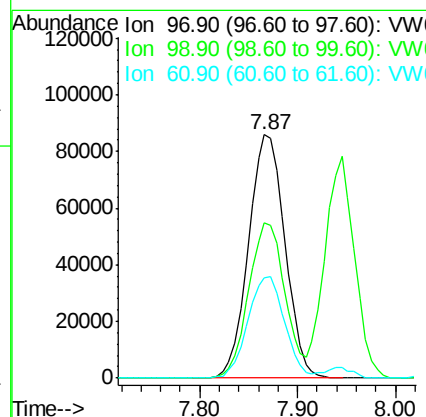
RT: 7.87 min Scan# 978

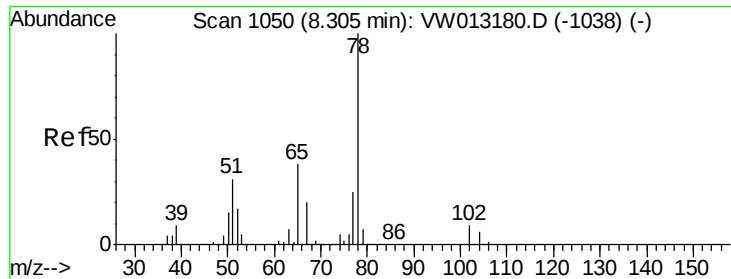
Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion:	97	Resp:	221451
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.7	77.5
61	42.1	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 53.481 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 147189

Ion Ratio Lower Upper

65 100

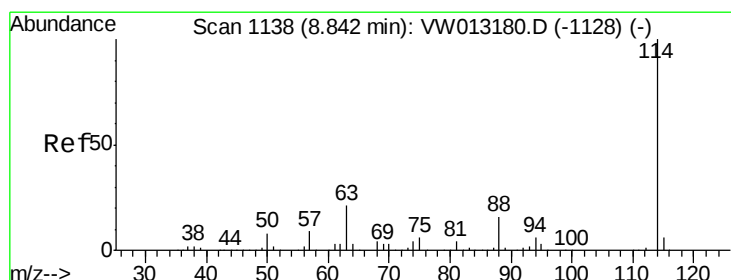
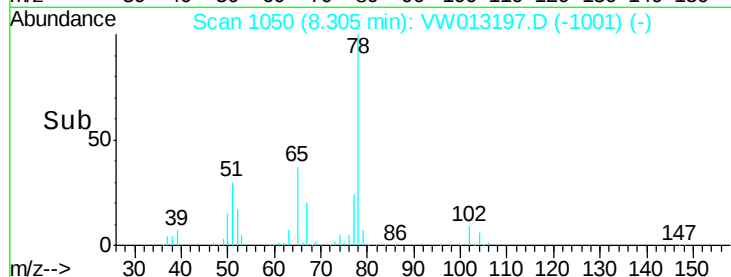
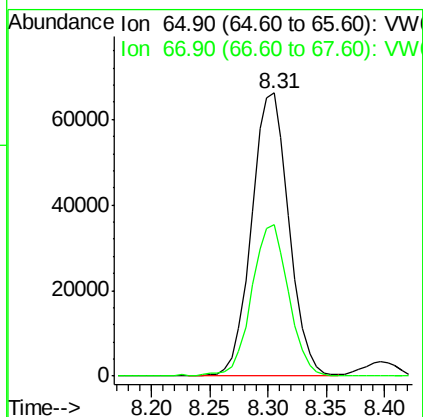
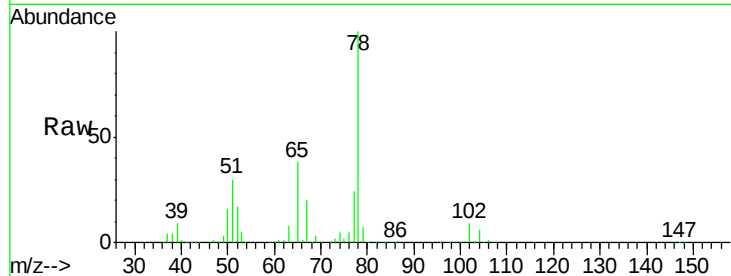
67 53.3 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

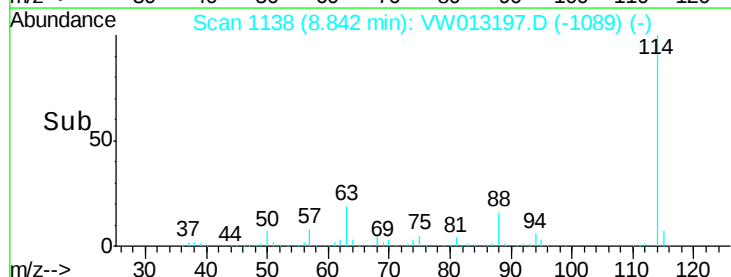
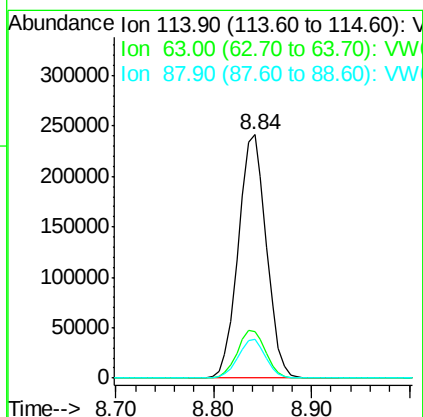
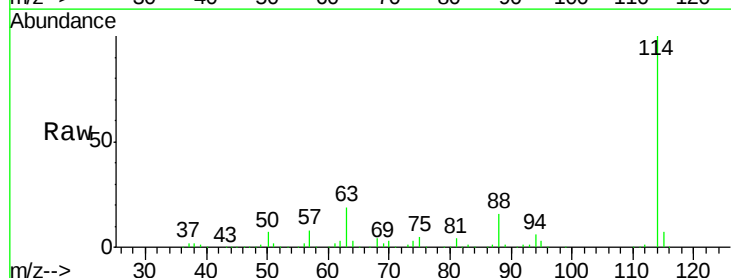
Tgt Ion: 114 Resp: 480172

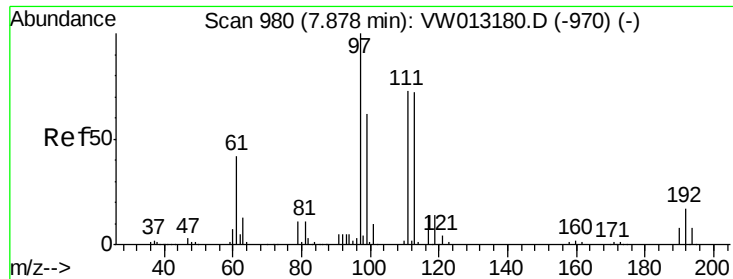
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.143 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

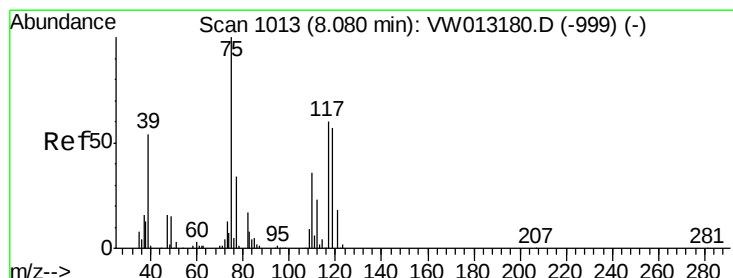
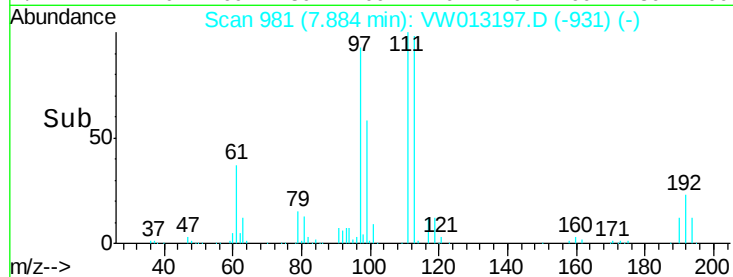
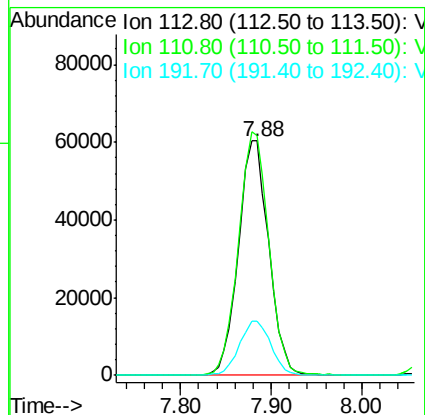
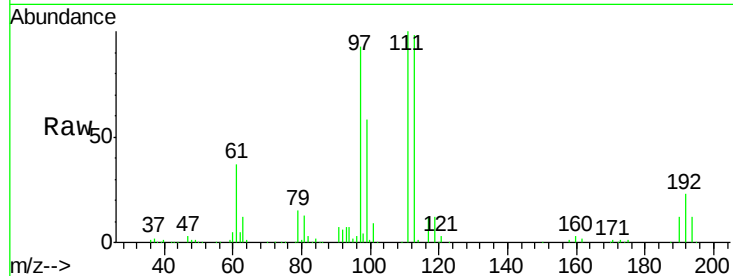
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	140349
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.9	122.9
192	23.9	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 49.521 ug/l

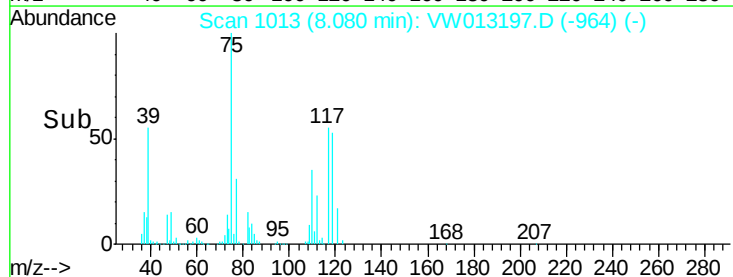
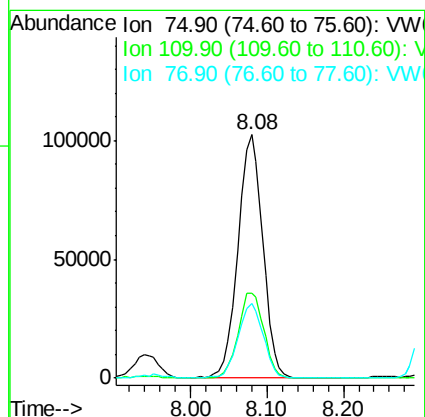
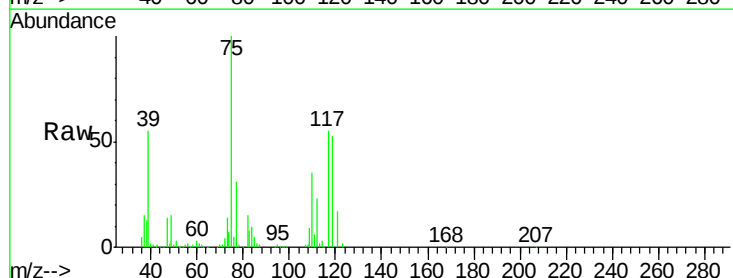
RT: 8.08 min Scan# 1013

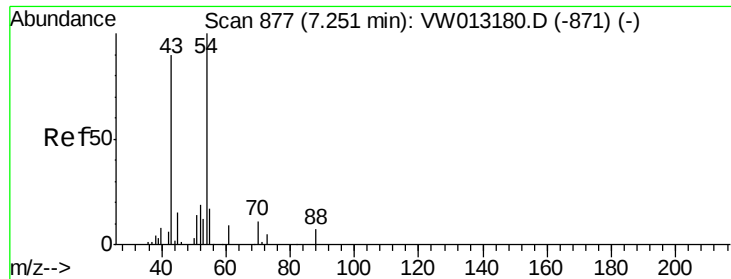
Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion:	75	Resp:	230311
Ion Ratio	Lower	Upper	
75	100		
110	35.9	18.1	54.3
77	31.3	25.8	38.6





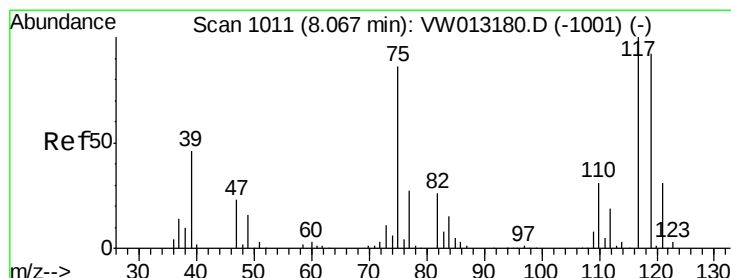
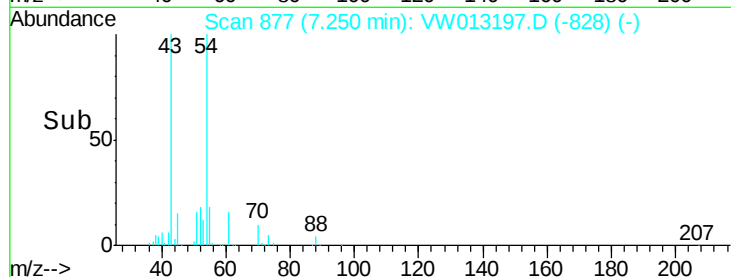
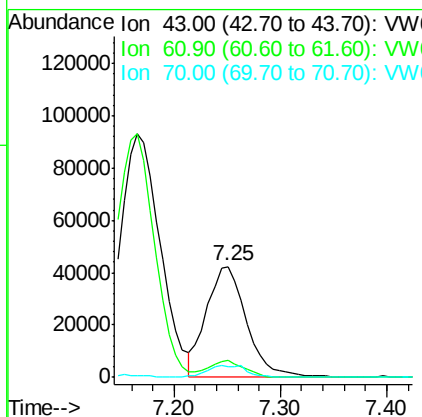
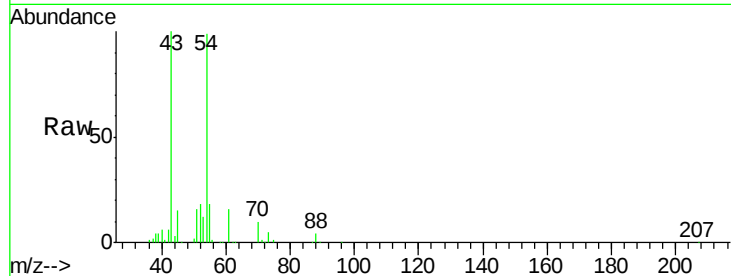
#37
Ethyl Acetate
Concen: 55.355 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.5	10.9	16.3	
70	10.8	8.2	12.2	

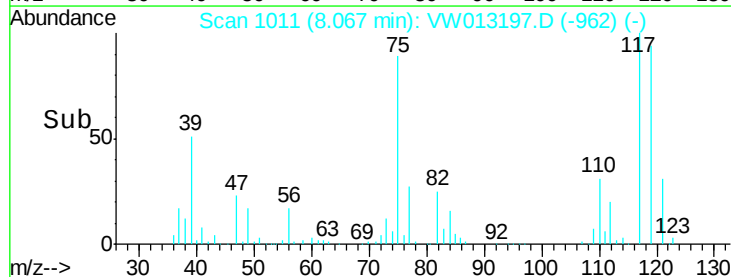
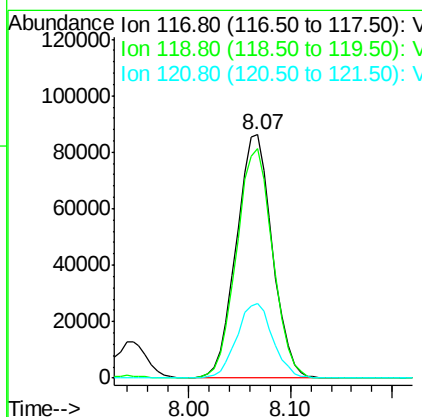
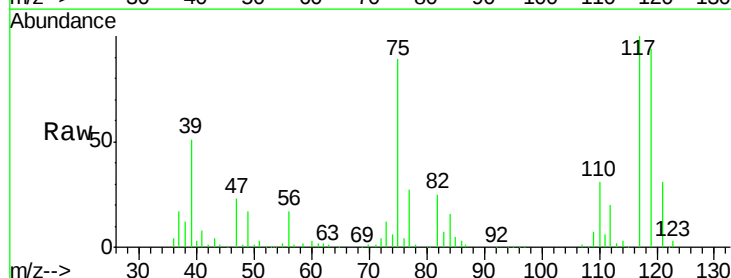
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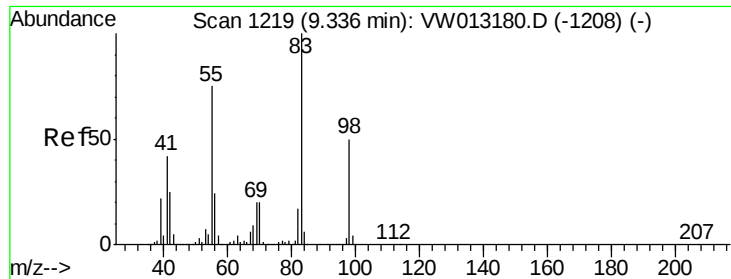
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#38
Carbon Tetrachloride
Concen: 50.498 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.3	73.5	110.3	
121	30.5	25.0	37.6	





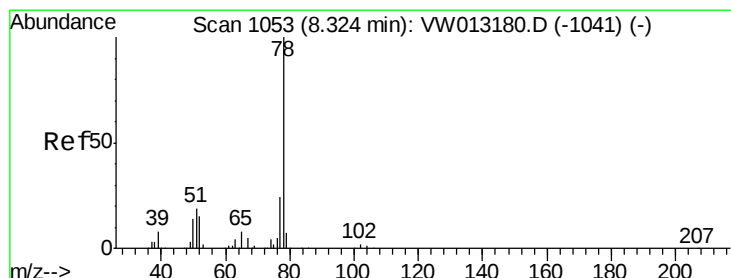
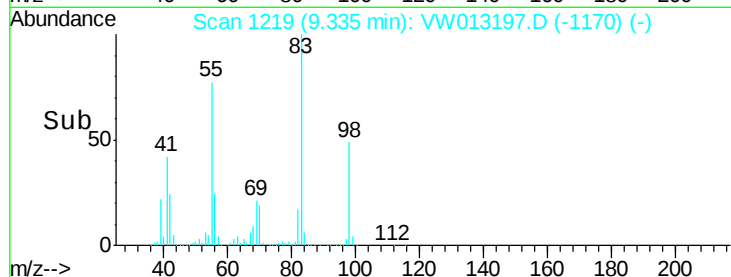
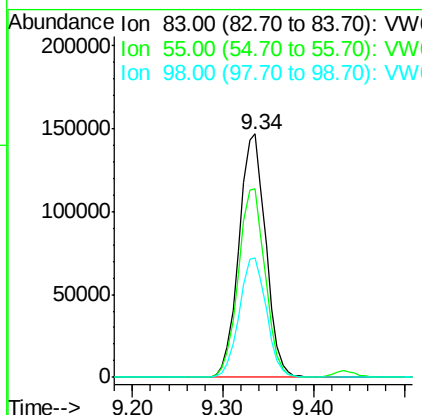
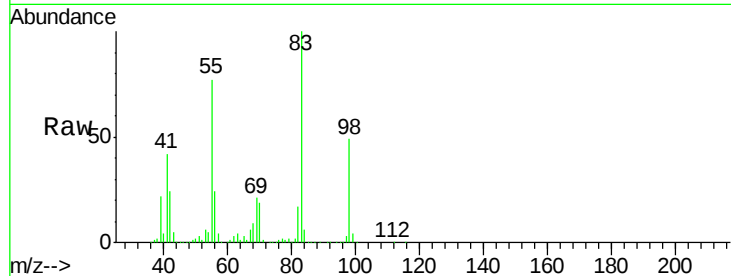
#39
Methvlcvclohexane
Concen: 50.327 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	300793		
55	77.4		60.4	90.6
98	49.3		40.0	60.0

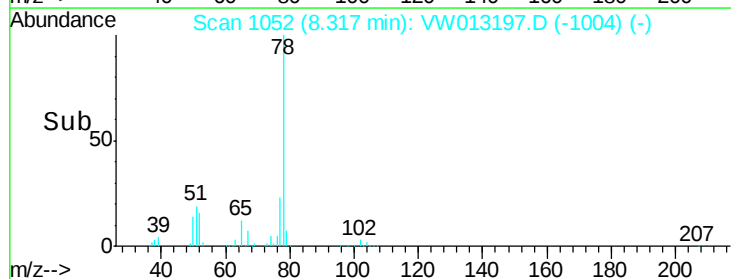
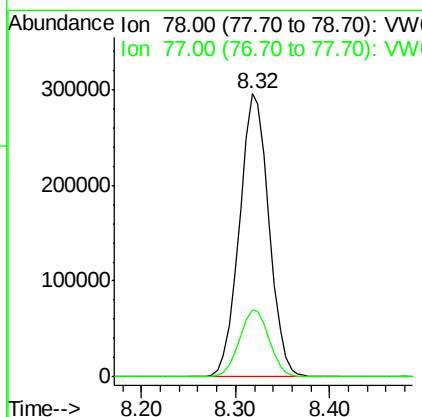
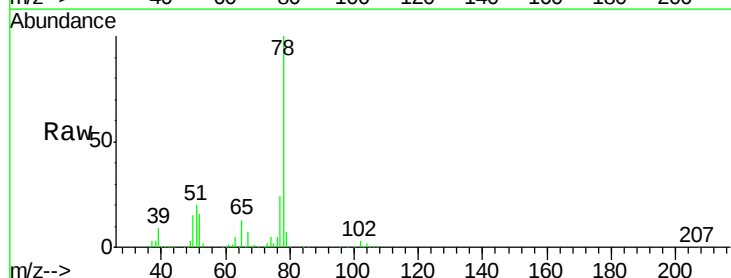
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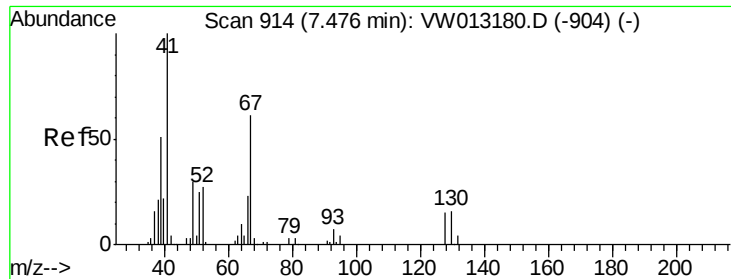
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#40
Benzene
Concen: 49.753 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	645422		
77	23.6		19.1	28.7





#41

Methacrylonitrile

Concen: 50.838 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

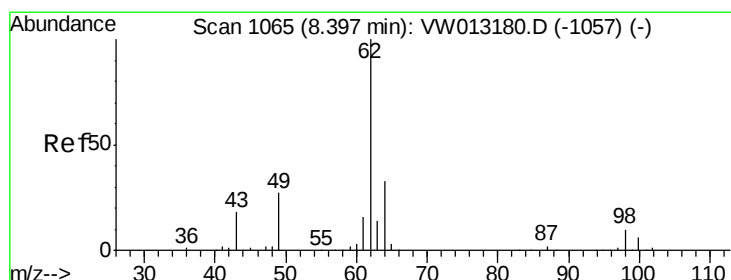
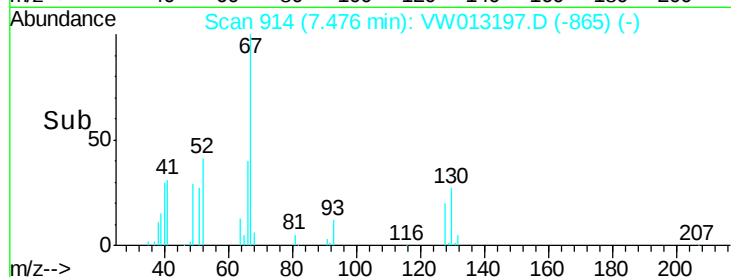
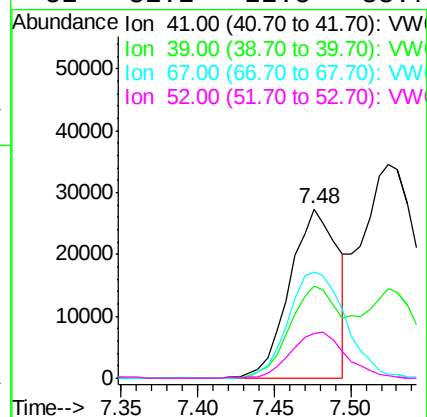
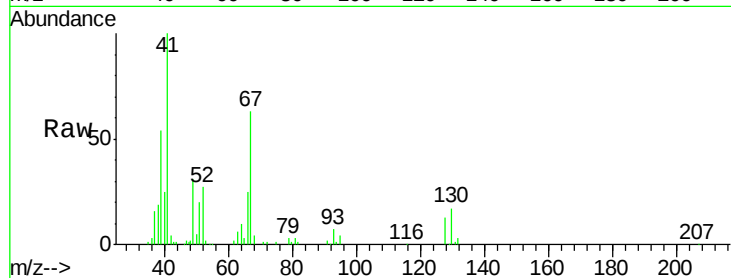
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	59974
Ion	Ratio	Lower	Upper
41	100		
39	66.1	45.9	68.9
67	74.5	54.5	81.7
52	31.2	22.5	33.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.295 ug/l

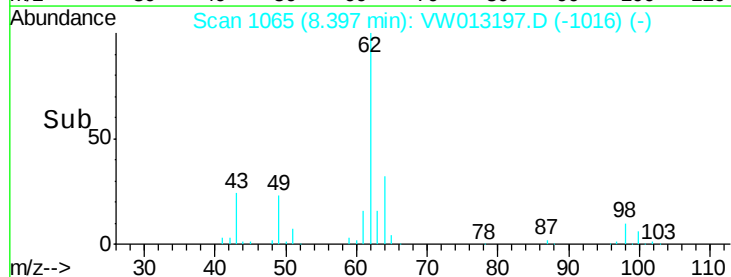
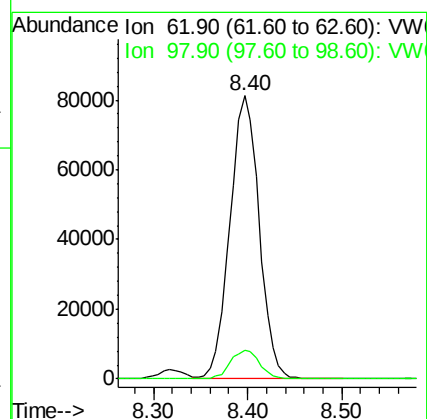
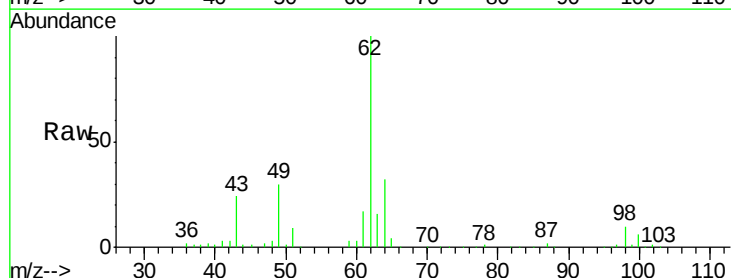
RT: 8.40 min Scan# 1065

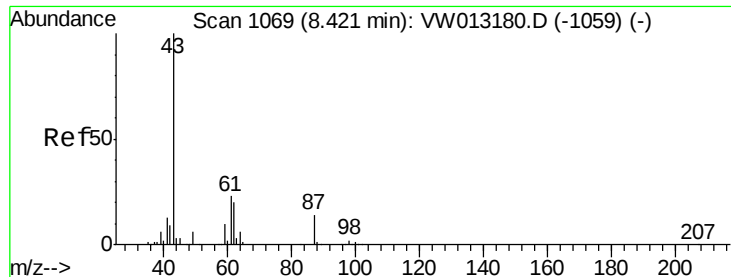
Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion	62	Resp	175393
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 54.922 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

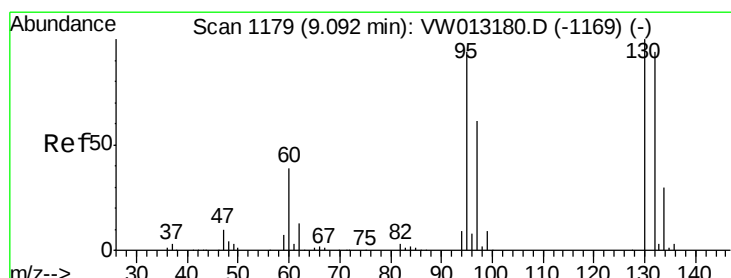
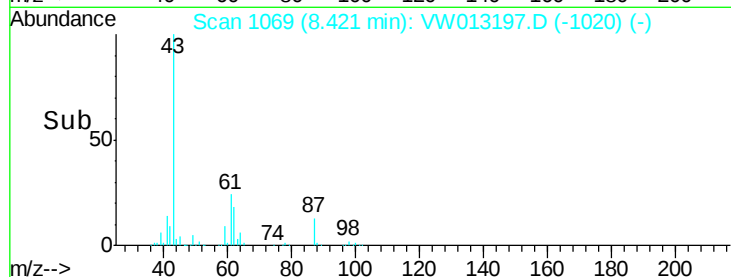
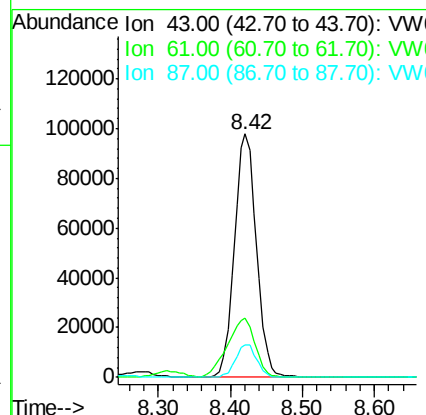
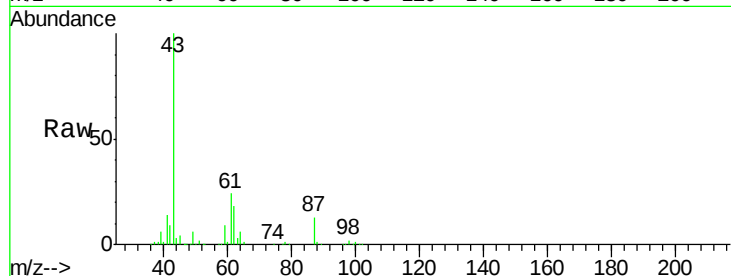
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	208061
Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.5	38.3
87	13.0	11.0	16.4

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#44

Trichloroethene

Concen: 48.979 ug/l

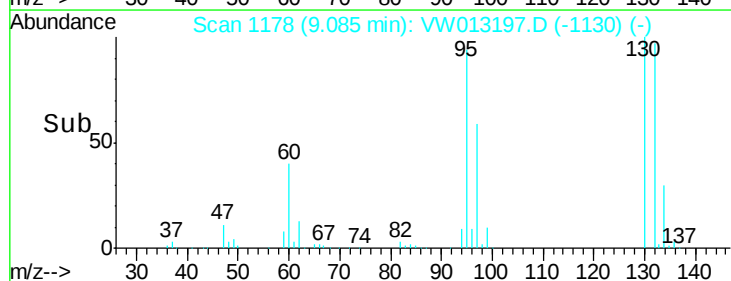
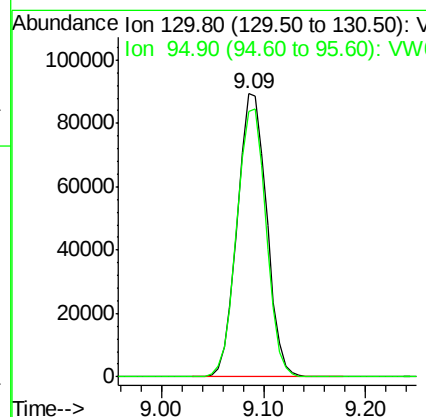
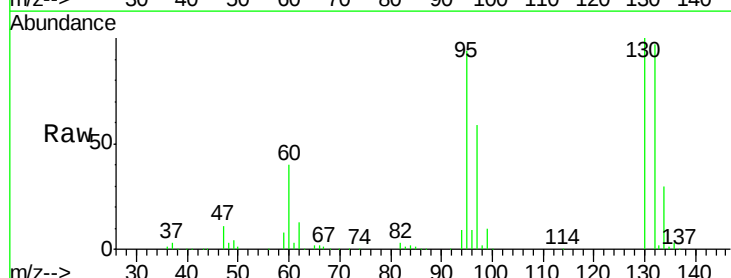
RT: 9.09 min Scan# 1178

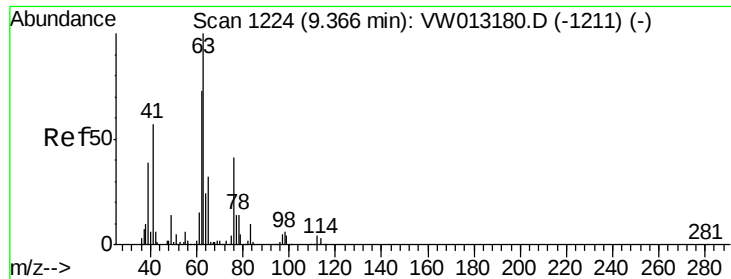
Delta R.T. -0.01 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion:	130	Resp:	178269
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	188.0





#45

1,2-Dichloropropane

Concen: 50.205 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 159006

Ion Ratio Lower Upper

63 100

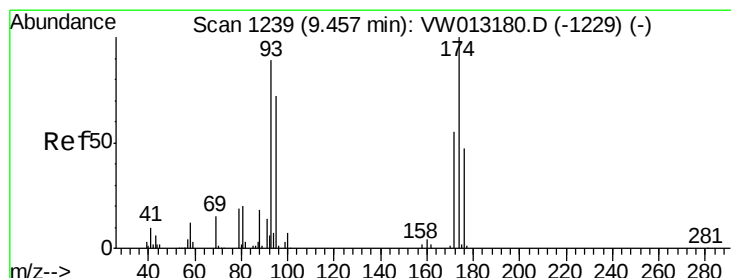
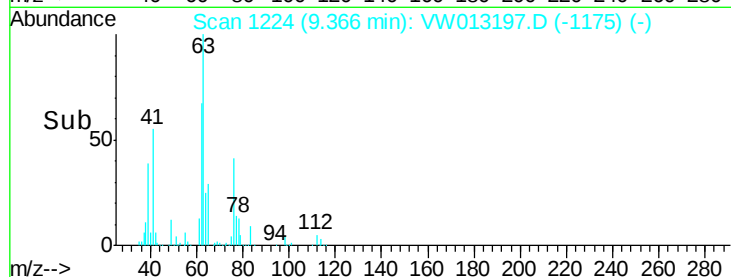
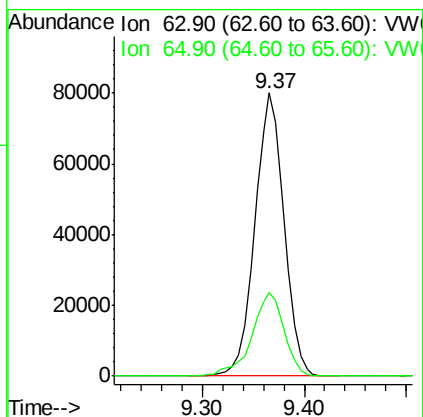
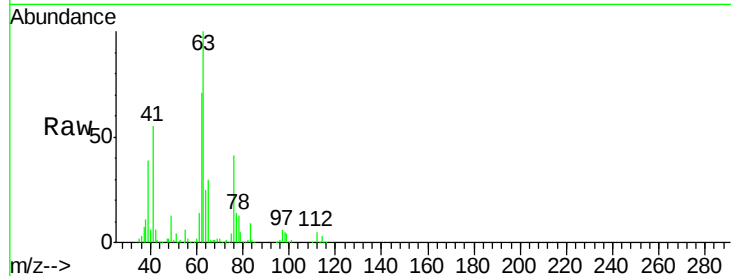
65 29.6 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 50.761 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

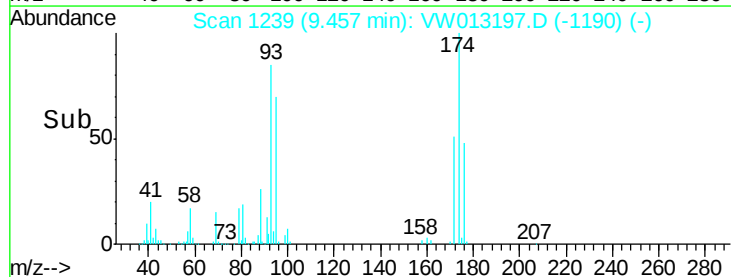
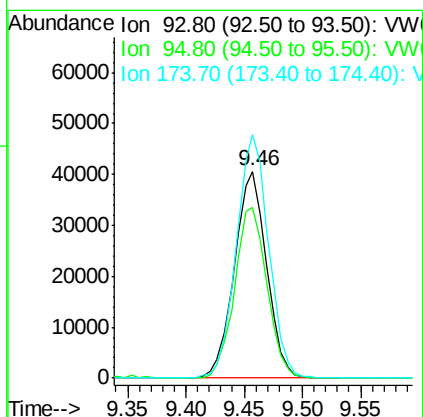
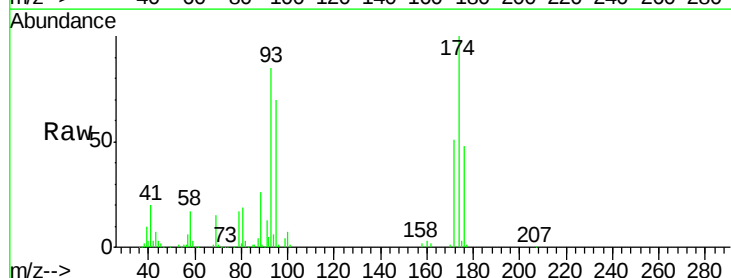
Tgt Ion: 93 Resp: 78052

Ion Ratio Lower Upper

93 100

95 83.2 66.4 99.6

174 118.2 93.0 139.6





#47

Bromodichloromethane

Concen: 49.606 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

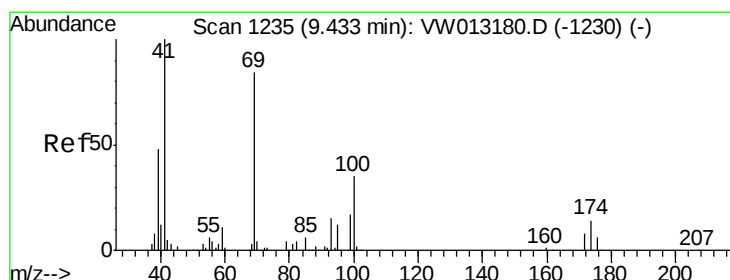
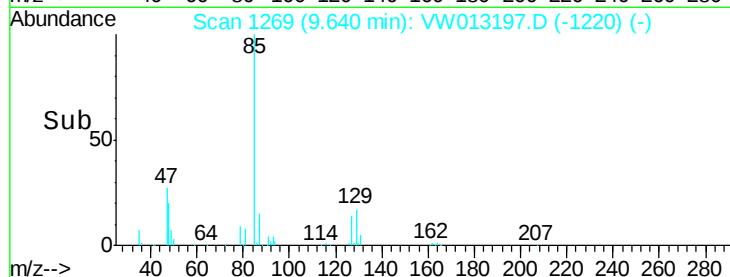
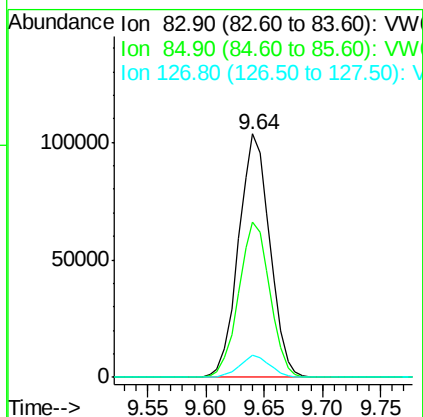
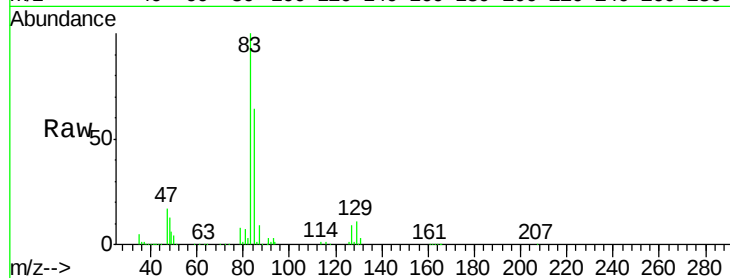
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	194086
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.4	74.2
127	9.0	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.577 ug/l

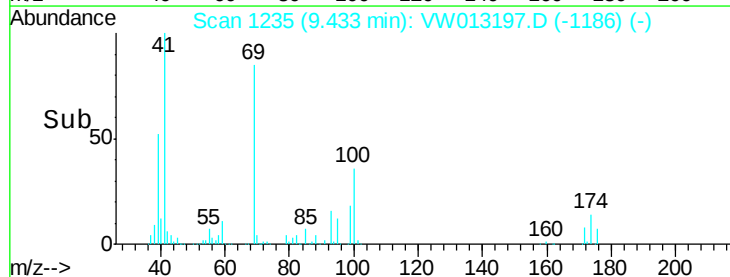
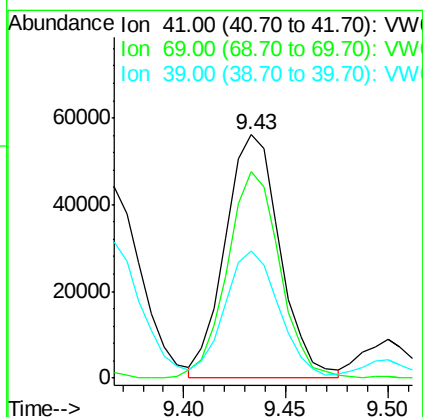
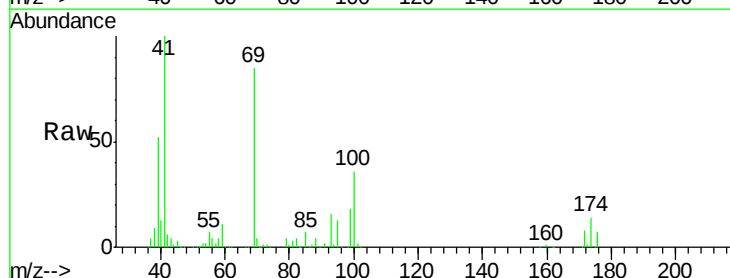
RT: 9.43 min Scan# 1235

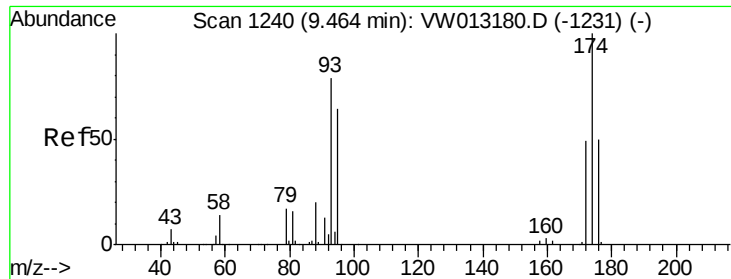
Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion:	41	Resp:	104347
Ion Ratio	Lower	Upper	
41	100		
69	82.5	69.7	104.5
39	49.1	41.1	61.7





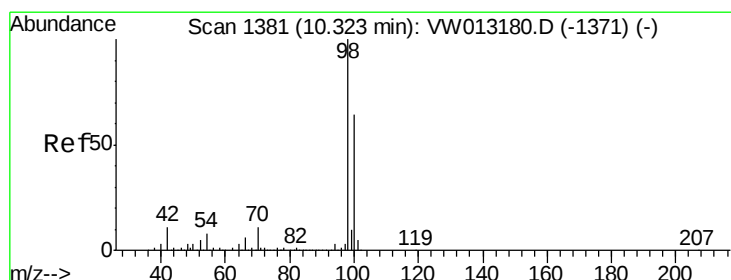
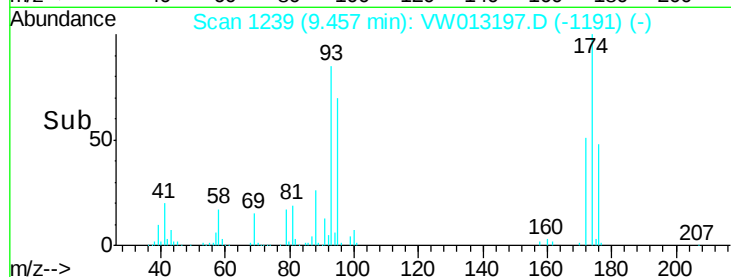
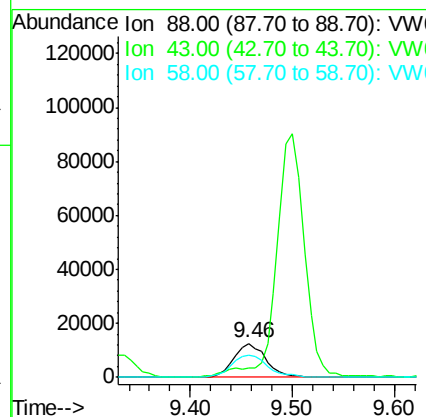
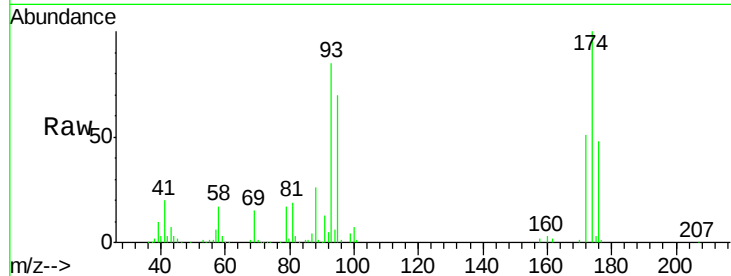
#49
1,4-Dioxane
Concen: 1186.307 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.9	65.4	98.0

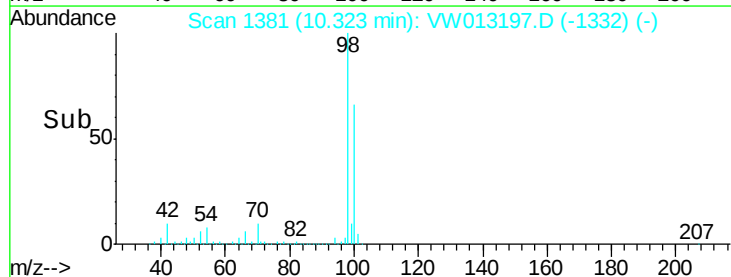
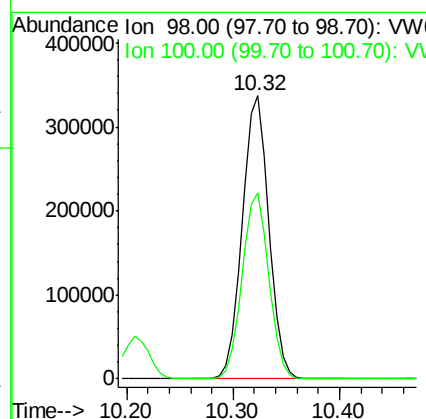
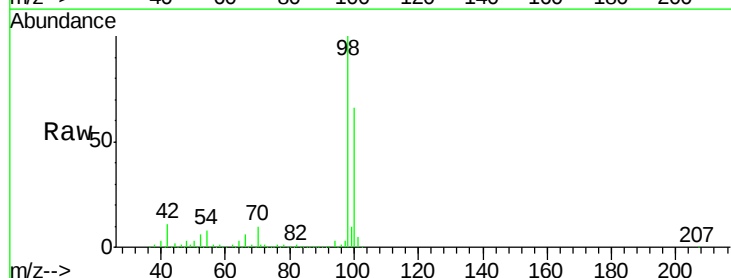
Manual Integrations
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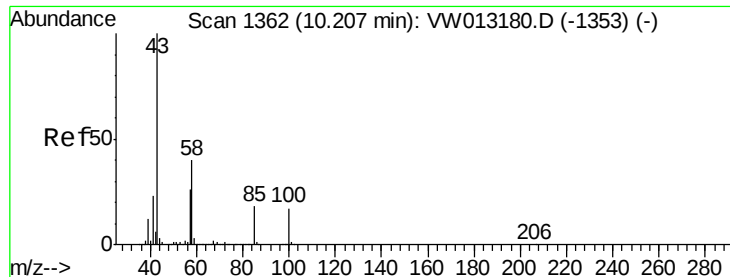
MMDadoda
9/24/2019 5:28:58 AM



#50
Toluene-d8
Concen: 53.461 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 283.977 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 539320

Ion Ratio Lower Upper

43 100

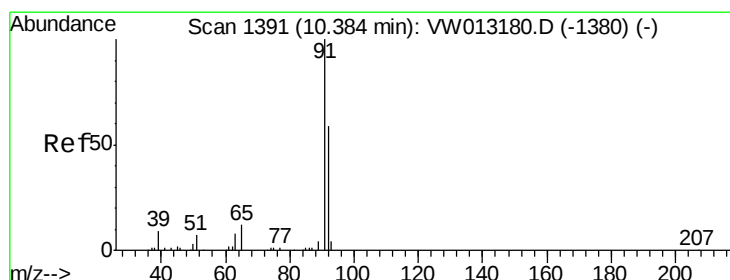
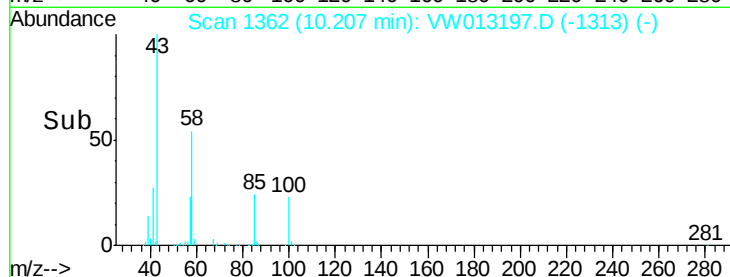
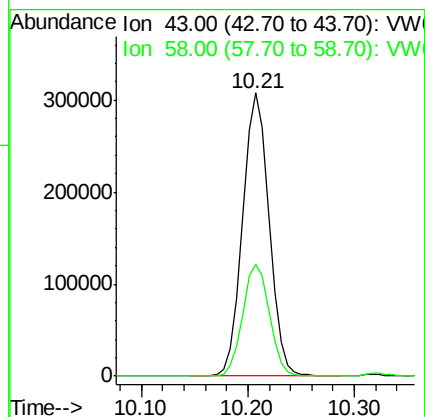
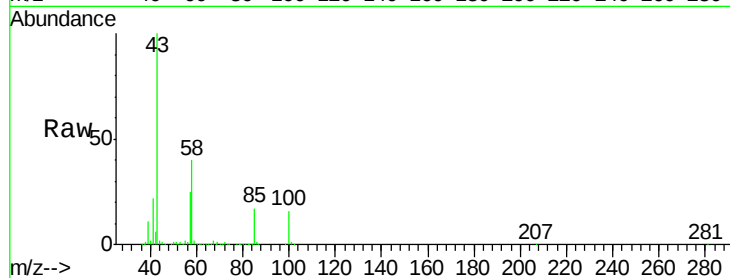
58 40.0 31.7 47.5

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#52

Toluene

Concen: 49.486 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013197.D

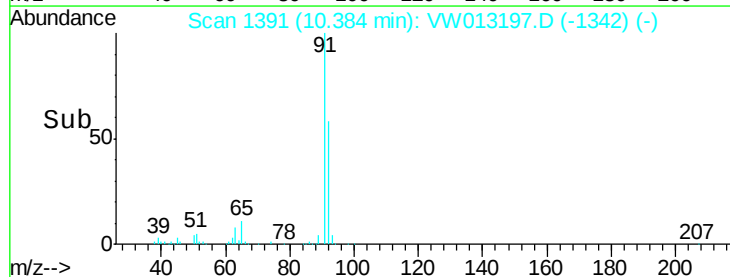
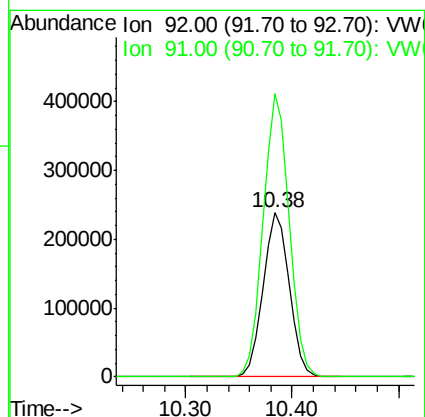
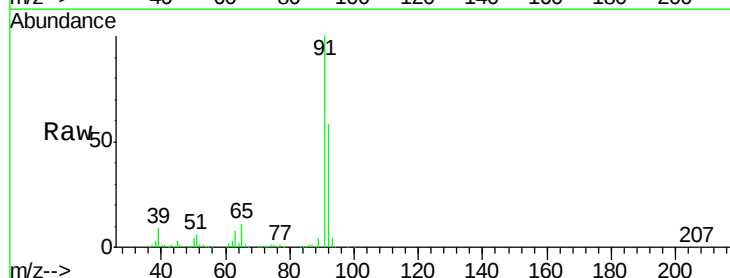
Acq: 20 Sep 2019 21:52

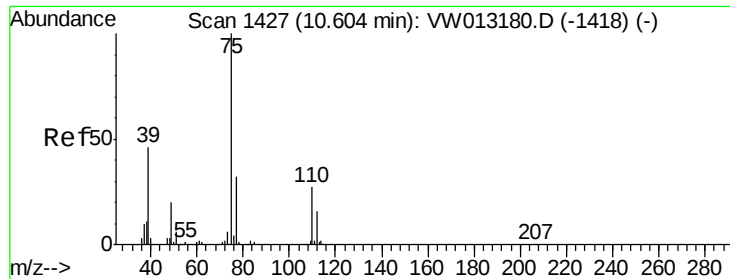
Tgt Ion: 92 Resp: 411428

Ion Ratio Lower Upper

92 100

91 171.7 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.186 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 205756

Ion Ratio Lower Upper

75 100

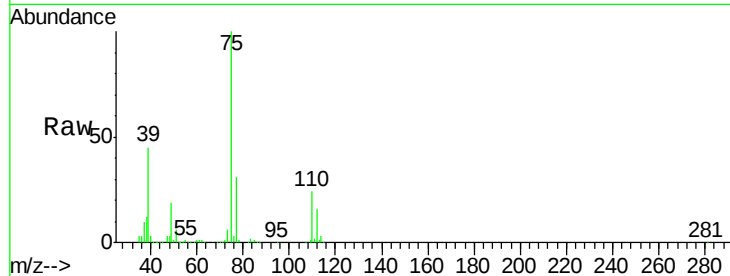
77 31.2 25.5 38.3

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

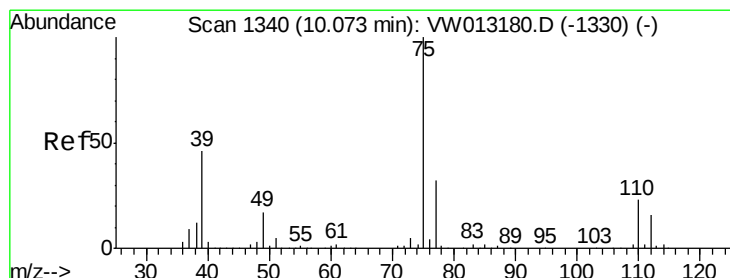
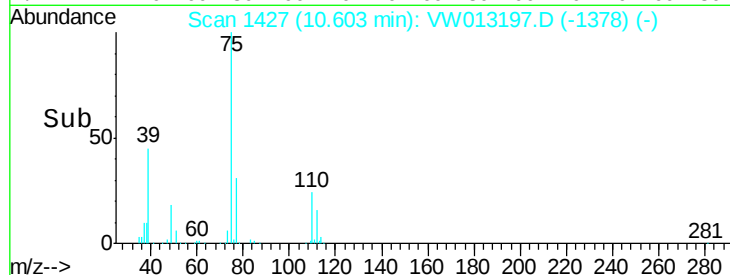
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.023 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

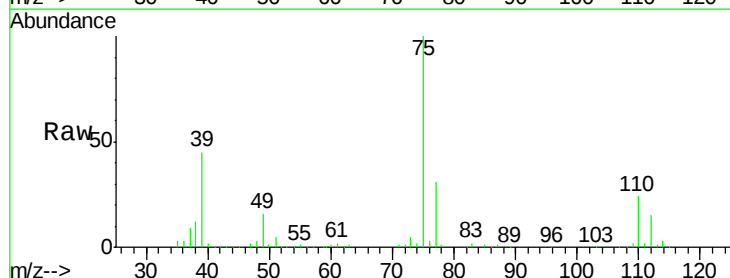
Tgt Ion: 75 Resp: 244490

Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 45.3 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

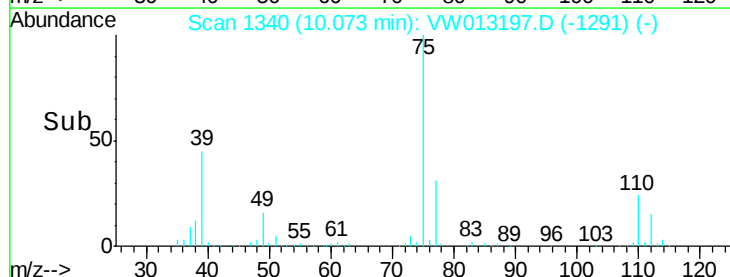
150000

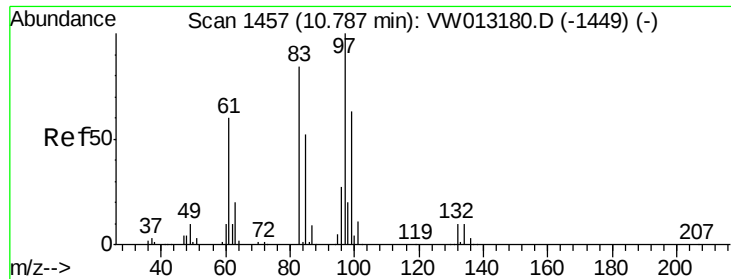
100000

50000

0

Time-->





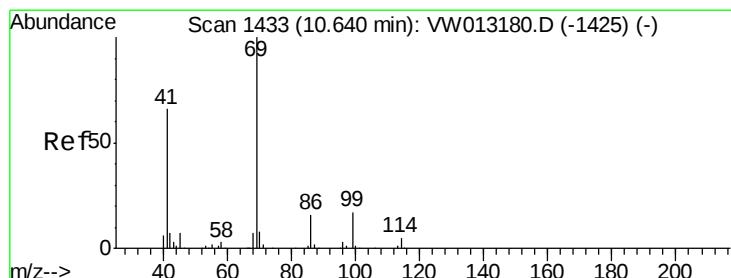
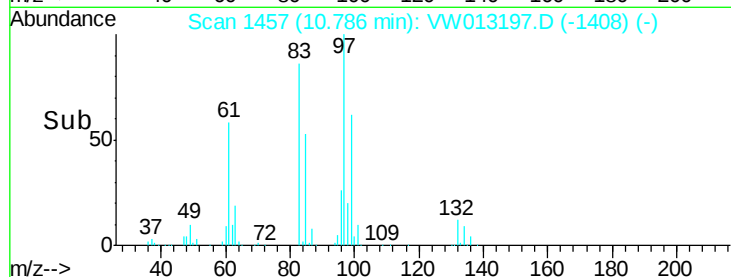
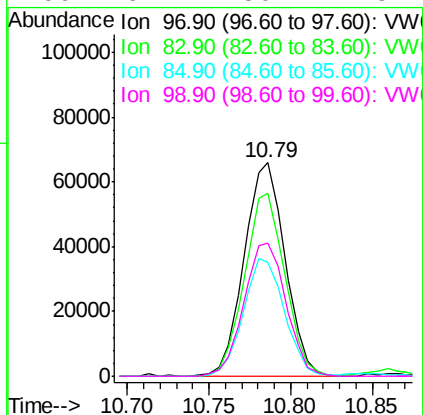
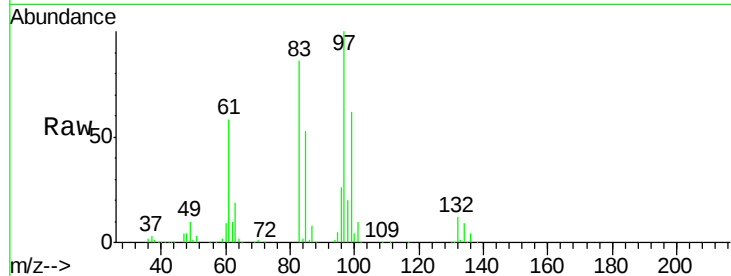
#55
 1,1,2-Trichloroethane
 Concen: 50.203 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	115379
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.6	101.4
85	53.1	41.9	62.9
99	62.4	50.1	75.1

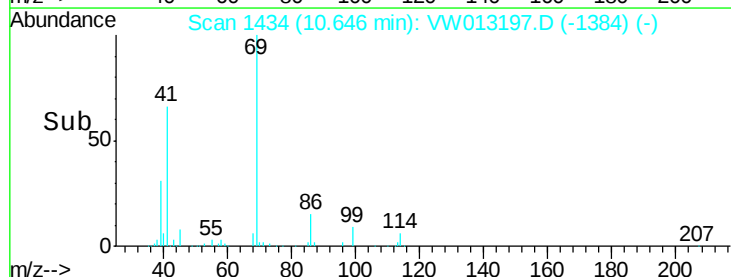
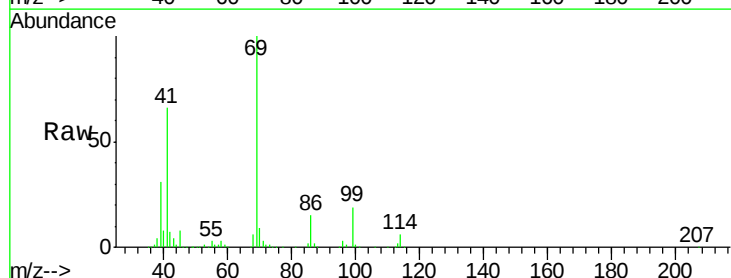
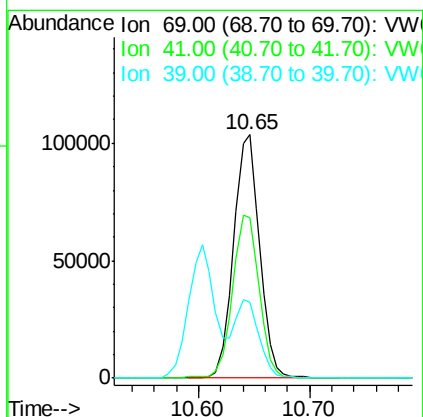
Manual Integrations
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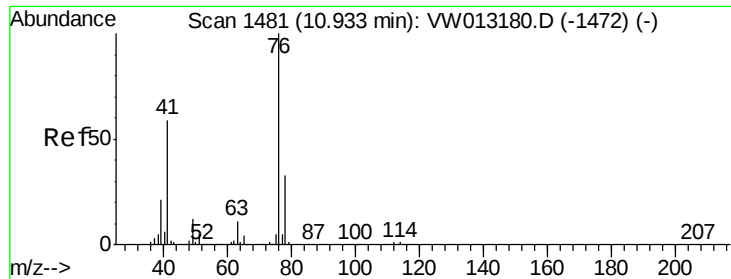
MMDadoda
 9/24/2019 5:28:58 AM



#56
 Ethyl methacrylate
 Concen: 55.655 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion:	69	Resp:	167400
Ion	Ratio	Lower	Upper
69	100		
41	68.7	53.9	80.9
39	28.9	23.8	35.6





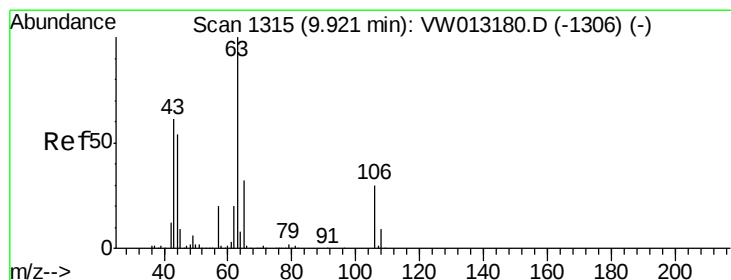
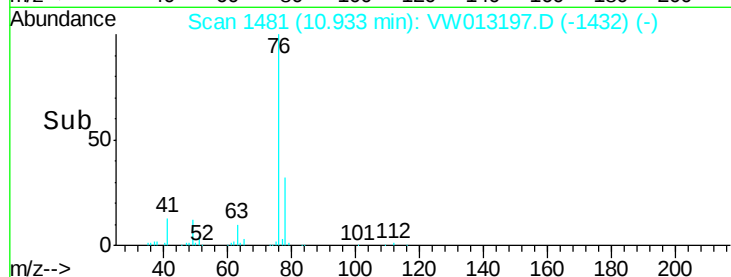
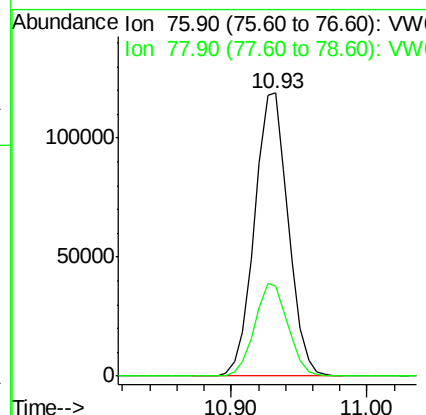
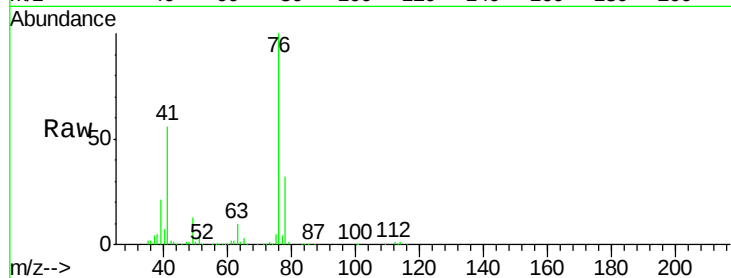
#57
 1,3-Dichloropropane
 Concen: 51.545 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

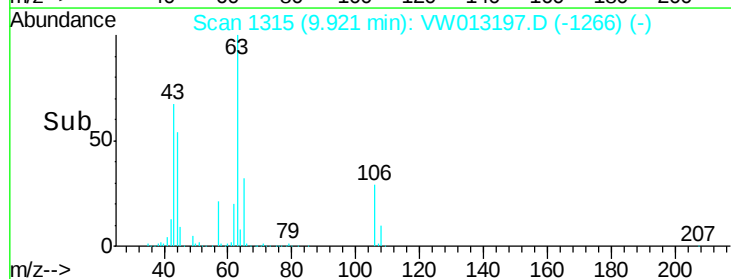
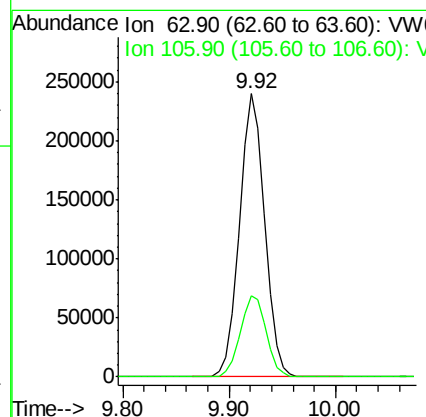
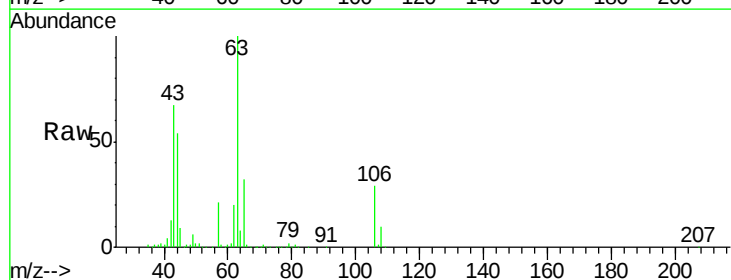
Manual Integrations
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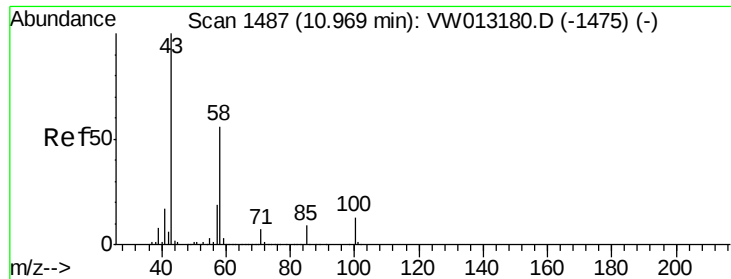
MMDadoda
 9/24/2019 5:28:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.866 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.4	35.0





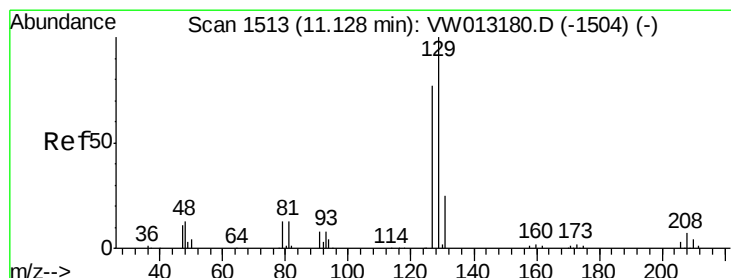
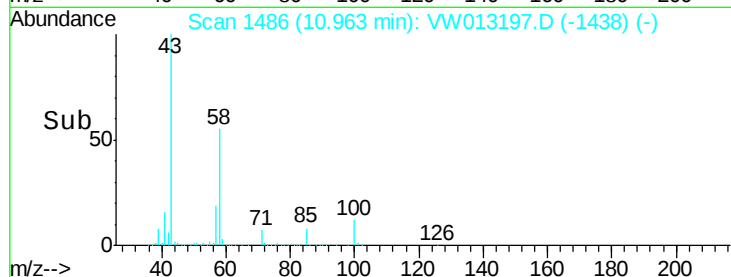
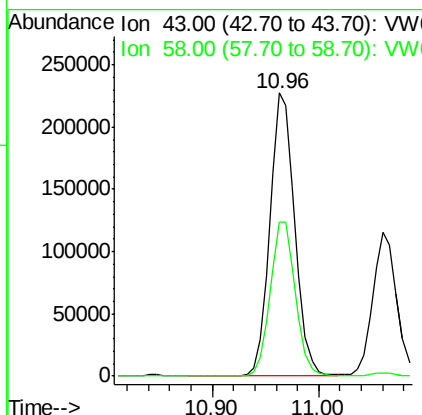
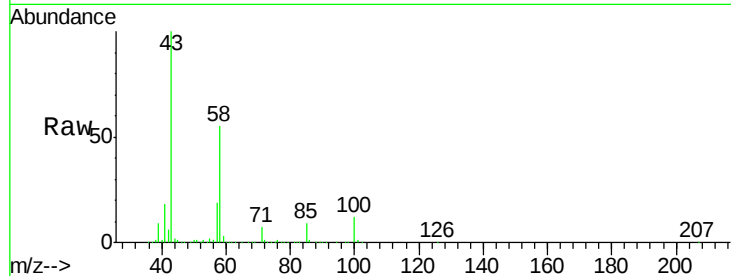
#59
2-Hexanone
Concen: 282.763 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 369464
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.2

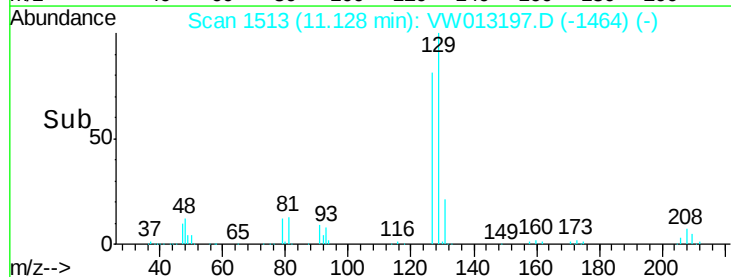
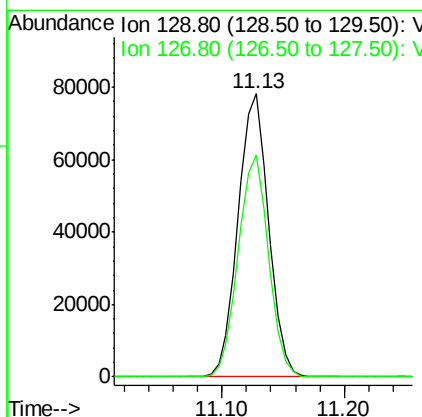
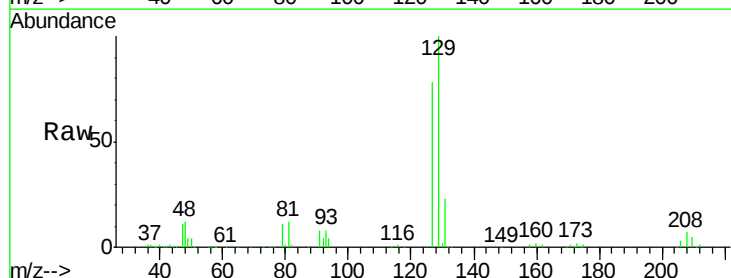
Manual Integrations
APPROVED

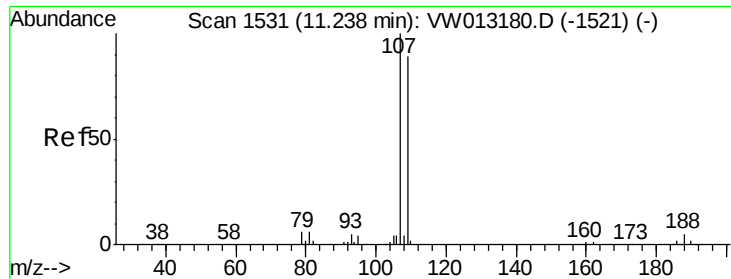
MMDadoda
9/24/2019 5:28:58 AM



#60
Dibromochloromethane
Concen: 51.764 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion: 129 Resp: 135085
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.4





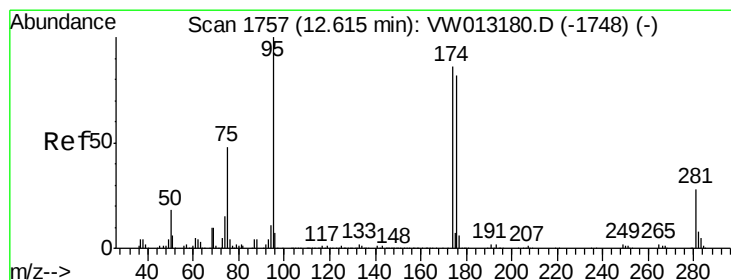
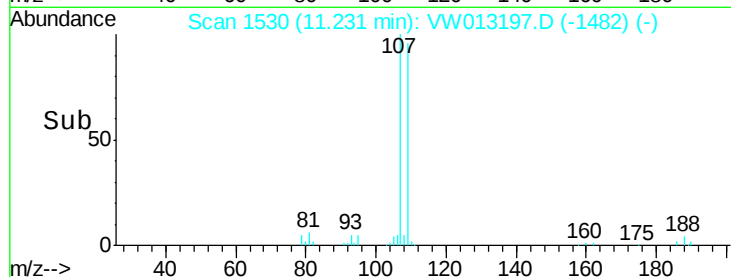
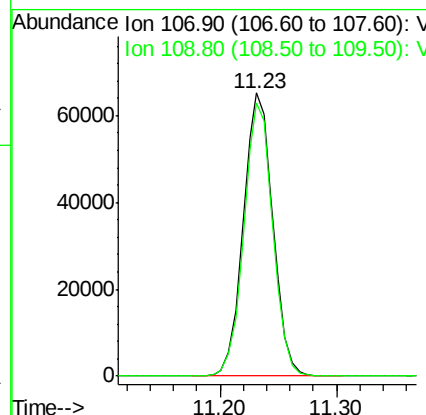
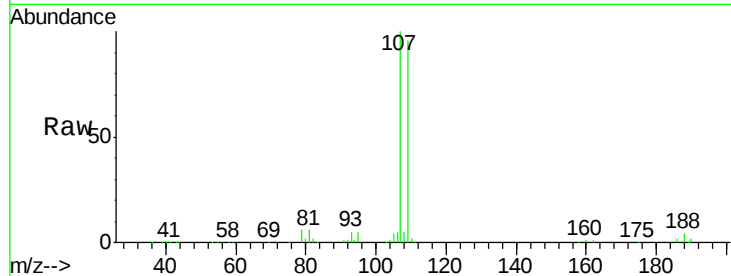
#61
 1,2-Dibromoethane
 Concen: 52.459 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	114631		
109	94.8	75.2	112.8	

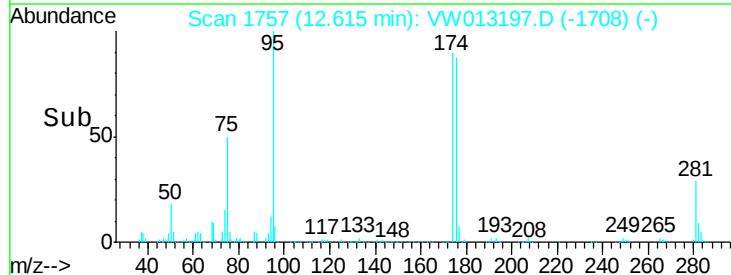
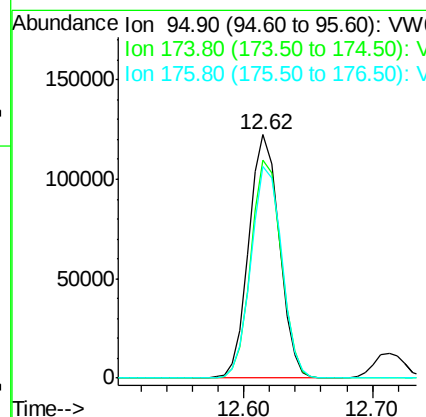
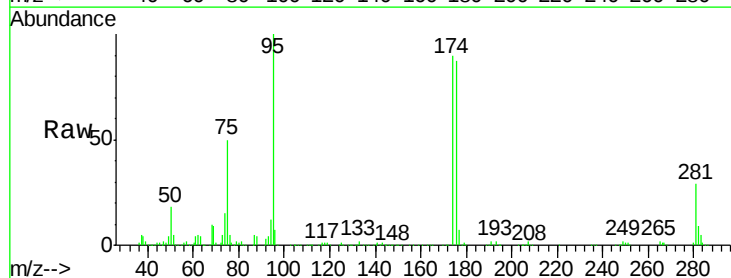
Manual Integrations
 APPROVED

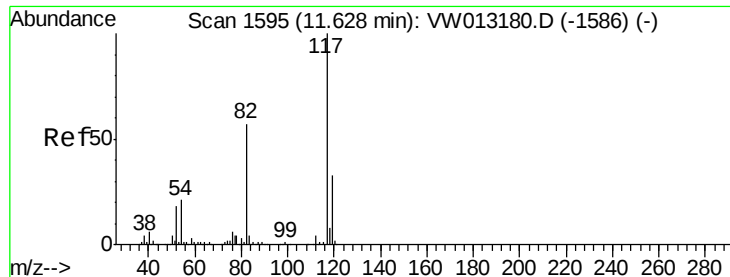
MMDadoda
 9/24/2019 5:28:58 AM



#62
 4-Bromofluorobenzene
 Concen: 52.956 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	199935		
174	88.9	0.0	178.4	
176	87.4	0.0	172.2	





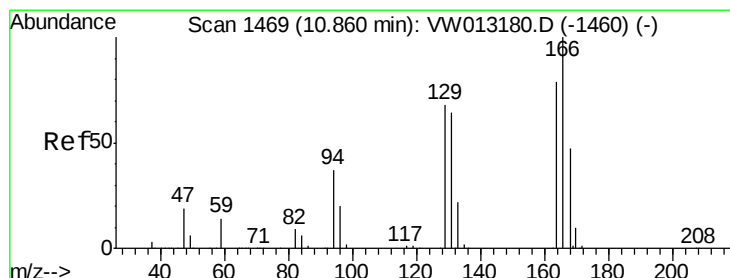
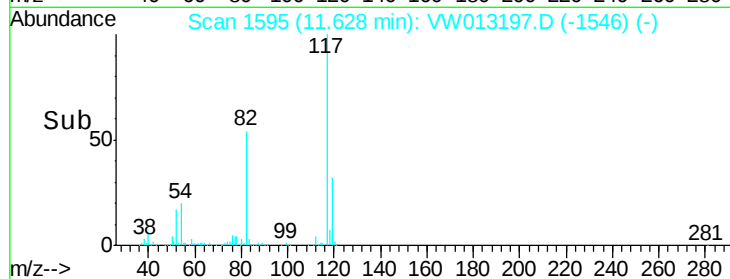
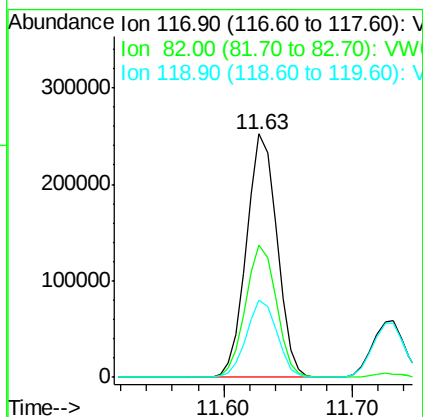
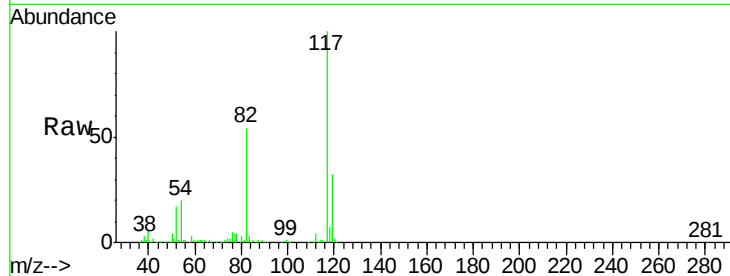
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	413145		
82	54.4	45.9	68.9	
119	31.6	26.2	39.2	

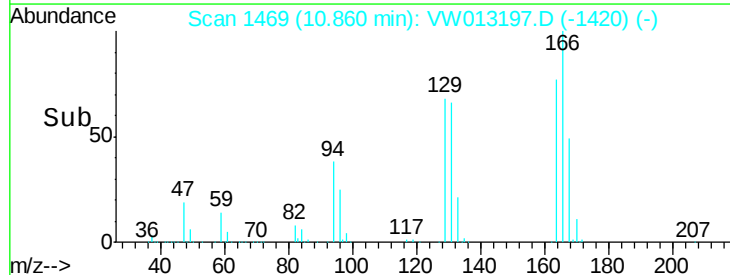
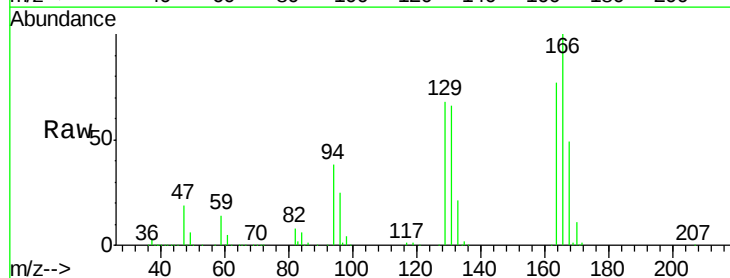
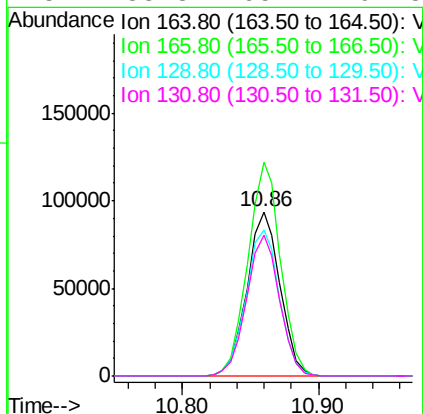
Manual Integrations
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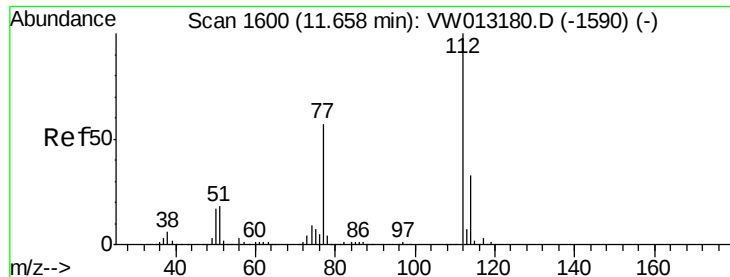
MMDadoda
9/24/2019 5:28:58 AM



#64
Tetrachloroethene
Concen: 50.717 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	158982		
166	129.9	101.2	151.8	
129	89.0	68.8	103.2	
131	85.3	65.2	97.8	





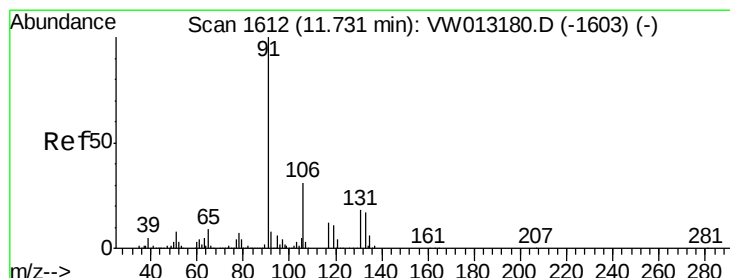
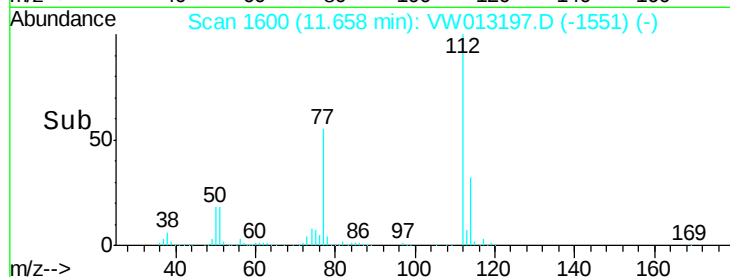
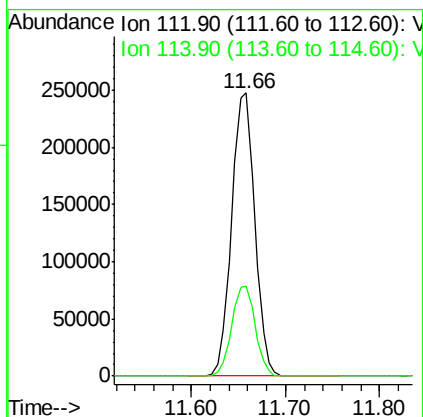
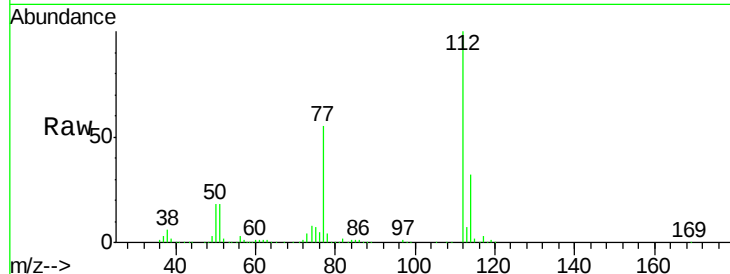
#65
Chlorobenzene
Concen: 49.030 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.5	39.7

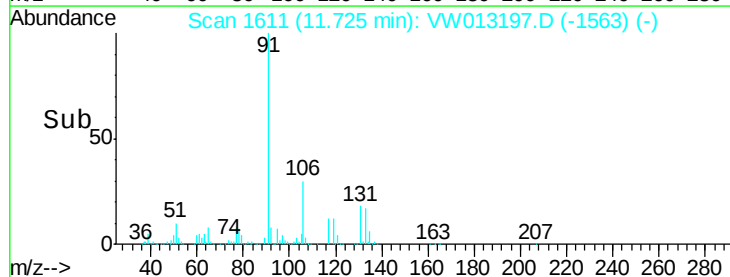
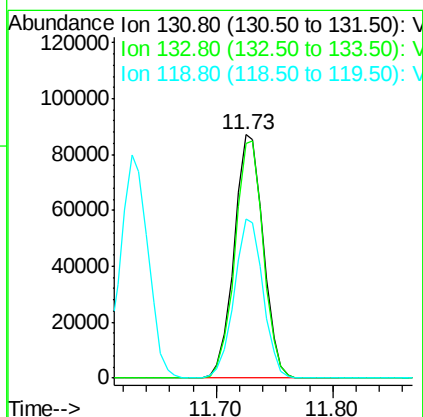
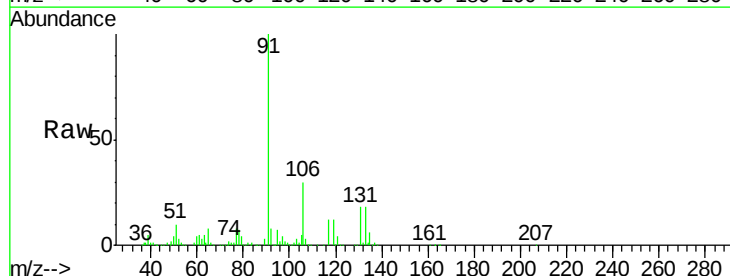
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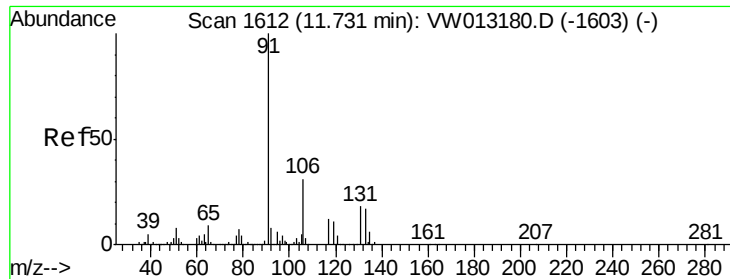
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.407 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.5	142.6
119	64.6	32.5	97.5





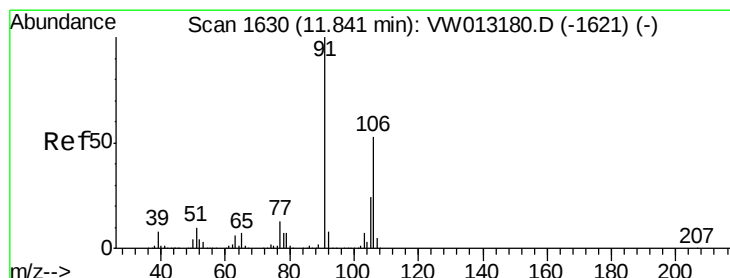
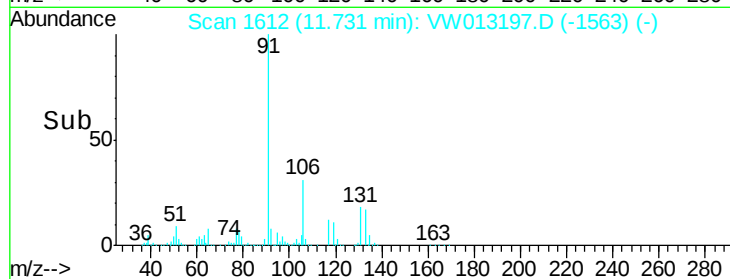
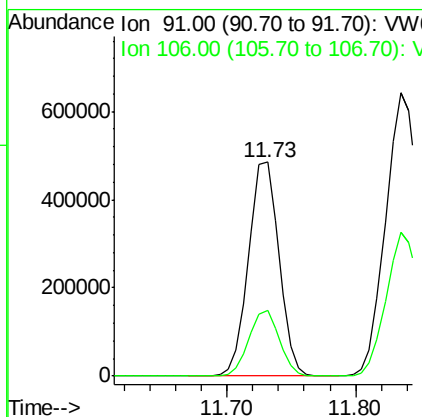
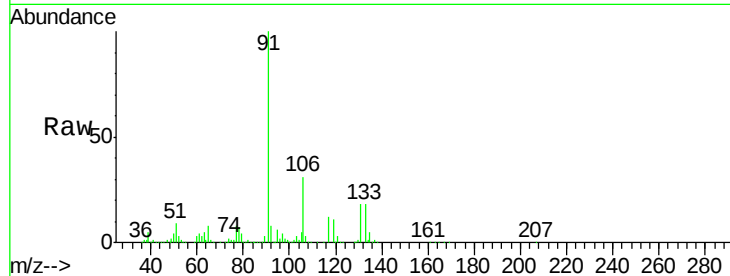
#67
Ethyl Benzene
Concen: 50.699 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.9	37.3

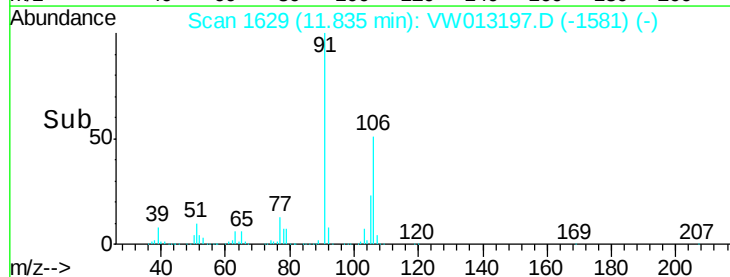
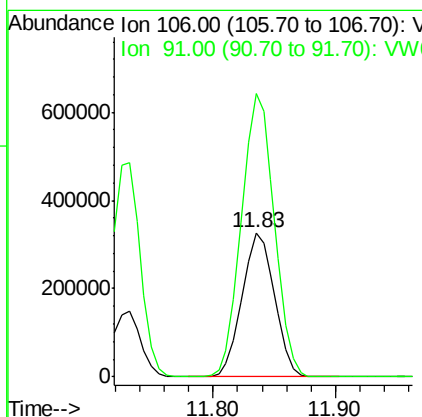
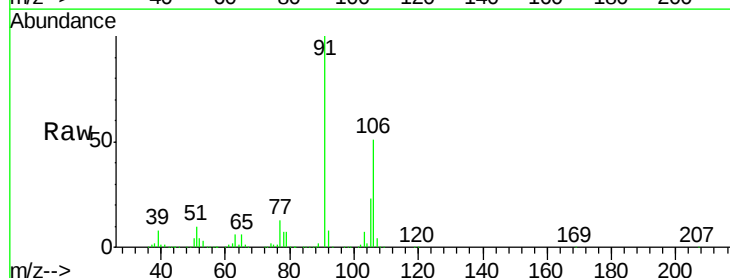
Manual Integrations
APPROVED

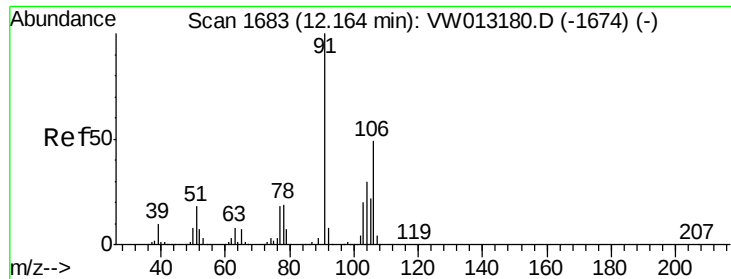
MMDadoda
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#68
m/p-Xylenes
Concen: 101.308 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.2	157.9	236.9





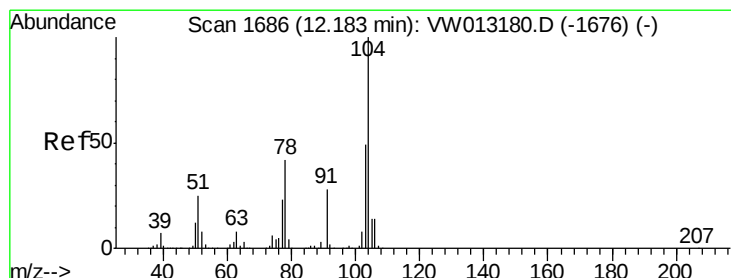
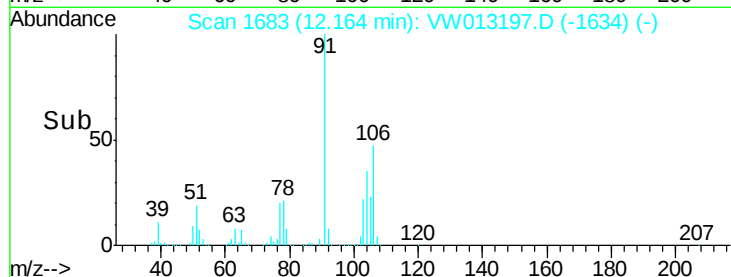
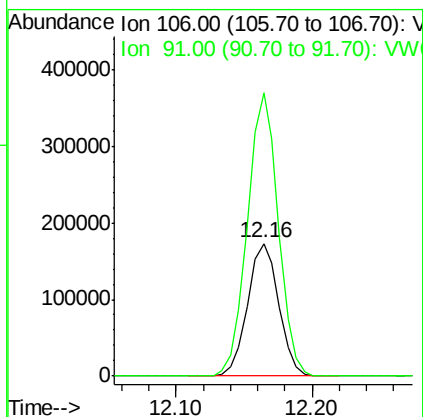
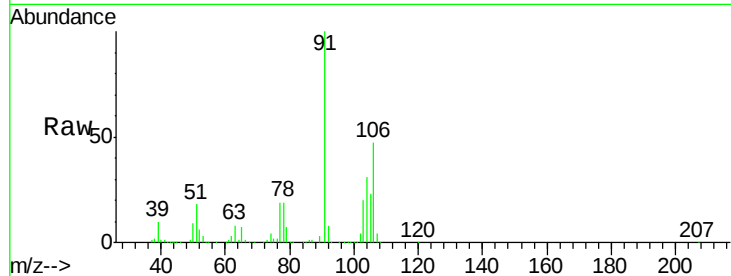
#69
o-Xylene
Concen: 50.274 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	106.5	319.5

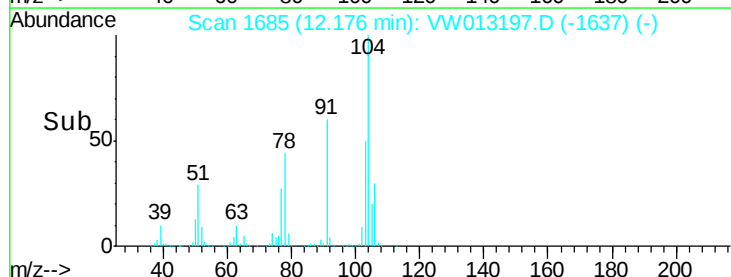
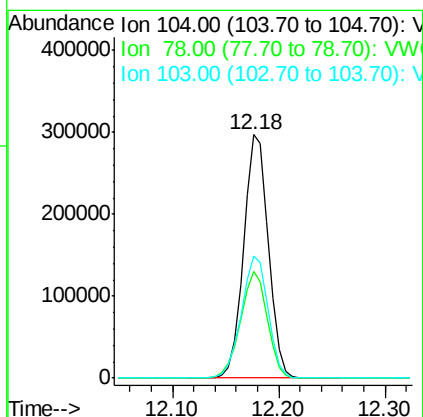
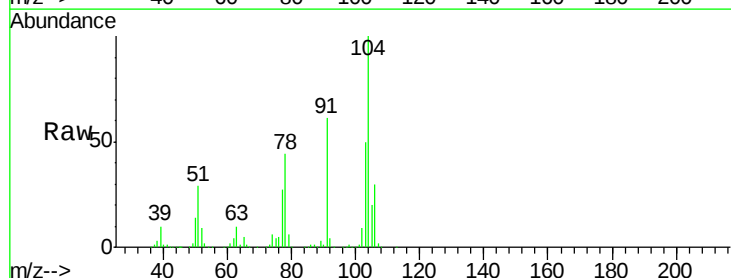
Manual Integrations
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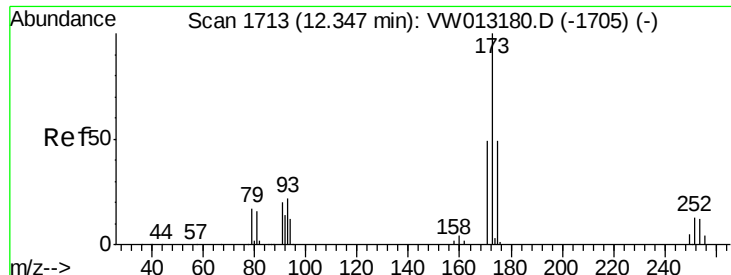
MMDadoda
9/24/2019 5:28:58 AM



#70
Styrene
Concen: 50.963 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	38.4	57.6
103	54.2	43.3	64.9





#71

Bromoform

Concen: 55.380 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 86232

Ion Ratio Lower Upper

173 100

175 46.5 24.3 73.0

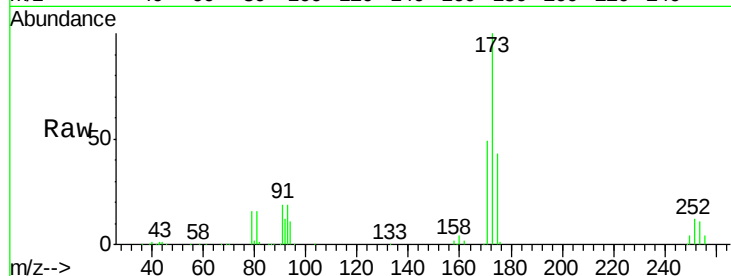
254 0.0 0.1 0.1#

Manual Integrations

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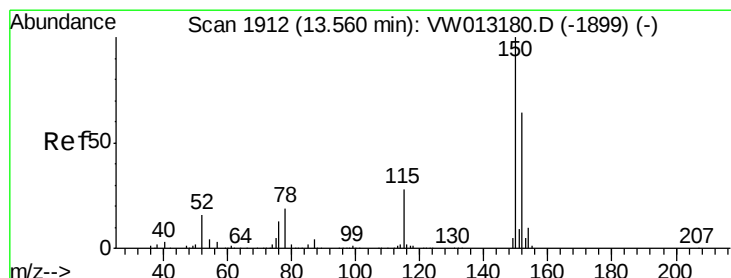
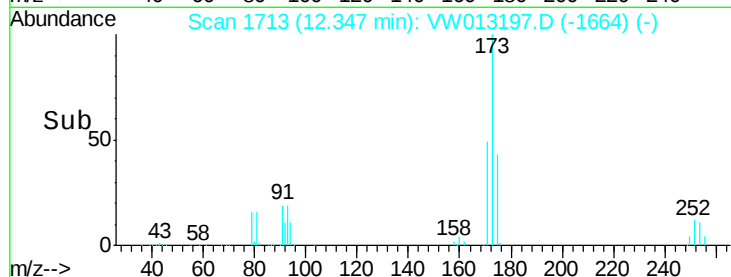
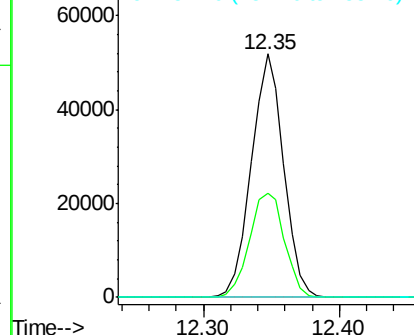
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VW013197.D

Acq: 20 Sep 2019 21:52

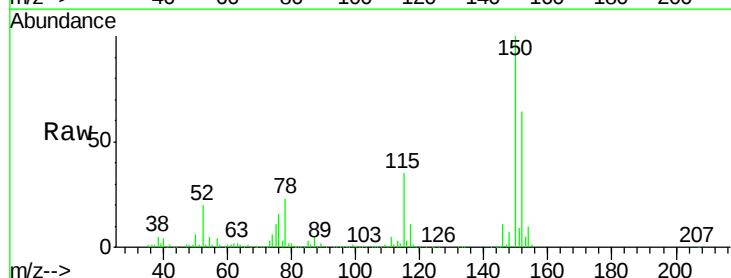
Tgt Ion:152 Resp: 211815

Ion Ratio Lower Upper

152 100

115 55.7 27.3 81.9

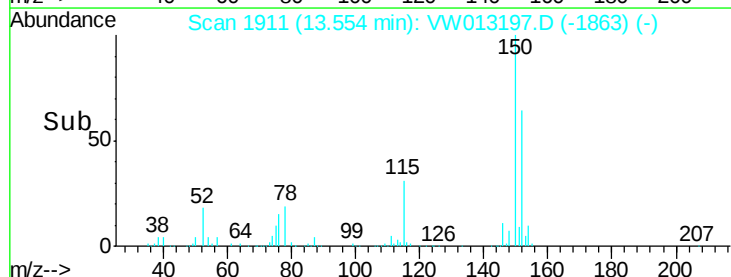
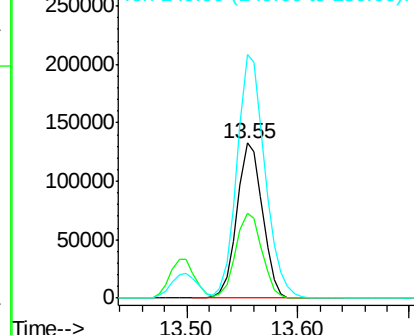
150 171.3 0.0 349.0

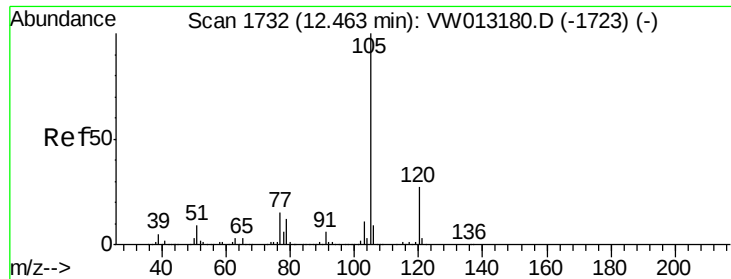


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





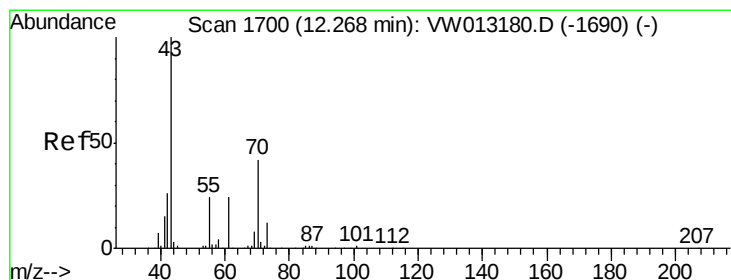
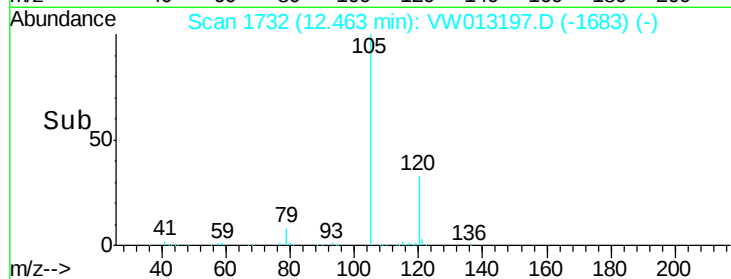
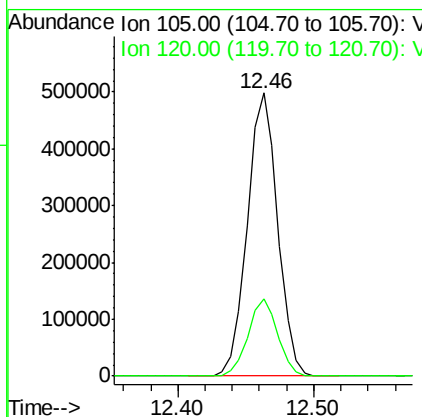
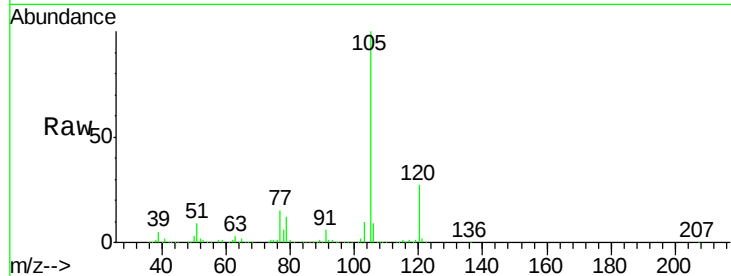
#73
Isopropylbenzene
Concen: 49.675 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

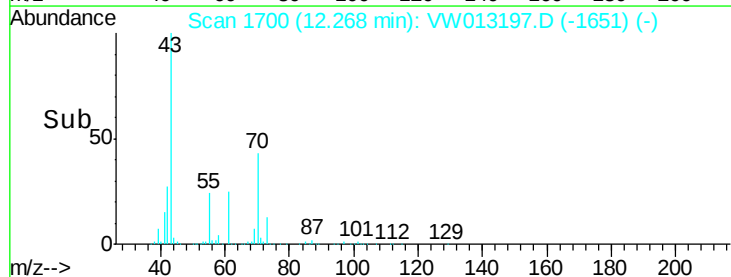
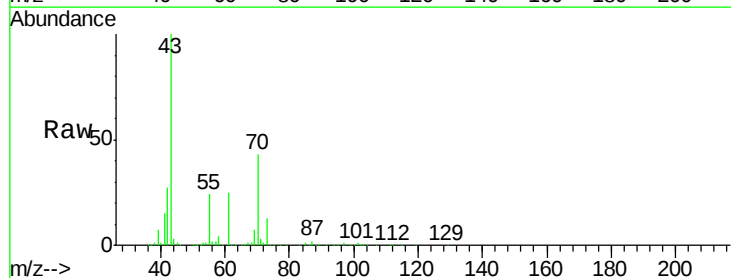
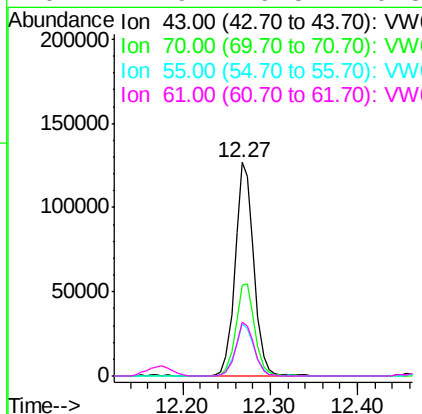
Manual Integrations
APPROVED

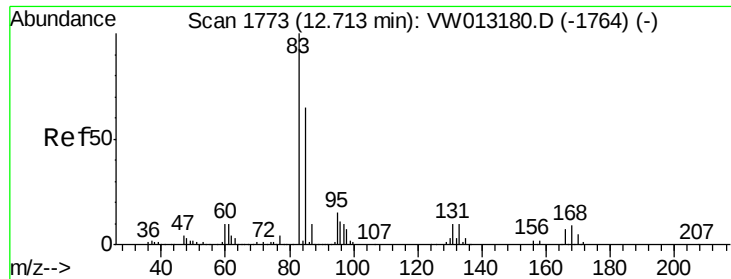
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#74
N-ethyl acetate
Concen: 54.590 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.7	35.1	52.7
55	24.5	19.9	29.9
61	24.9	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.096 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

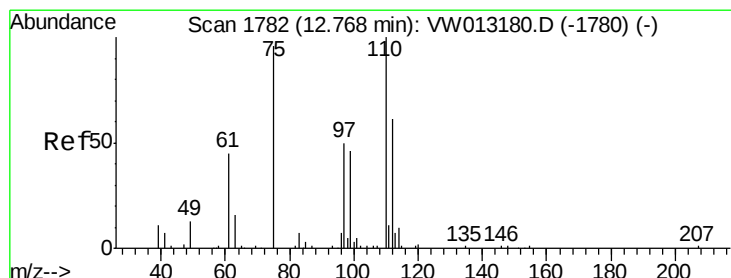
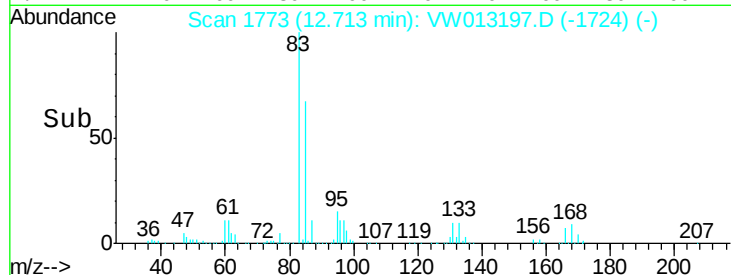
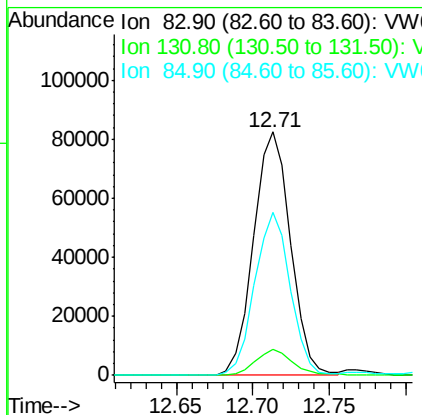
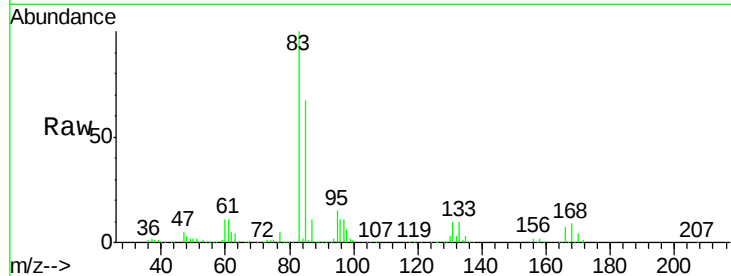
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	138942
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.101 ug/l m

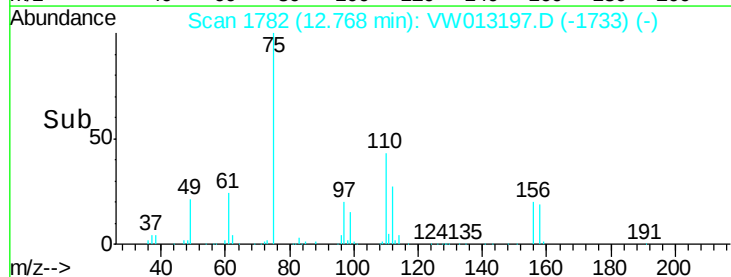
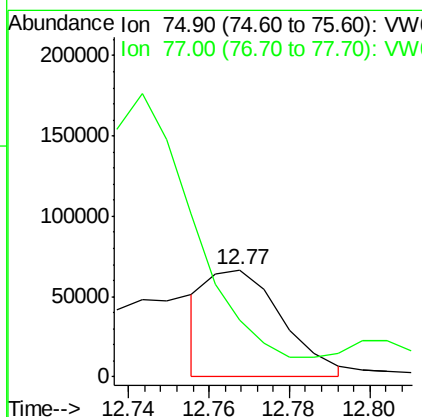
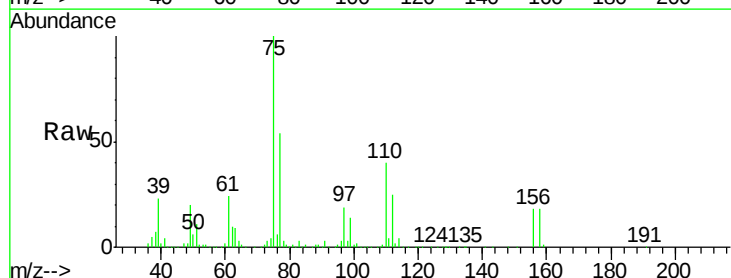
RT: 12.77 min Scan# 1782

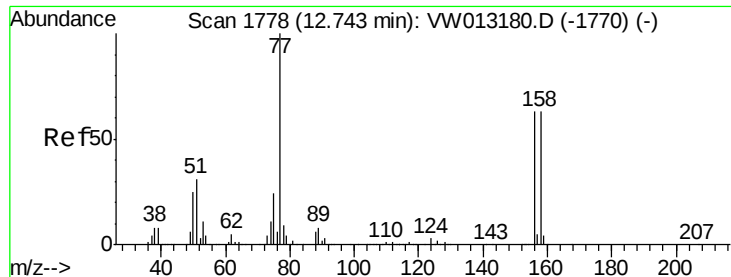
Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion:	75	Resp:	86236
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.206 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

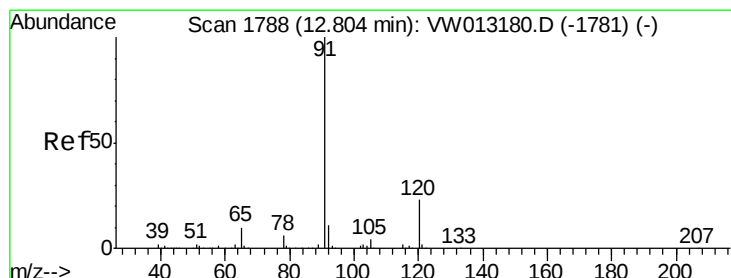
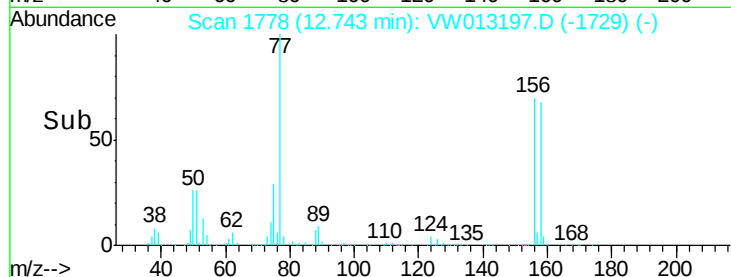
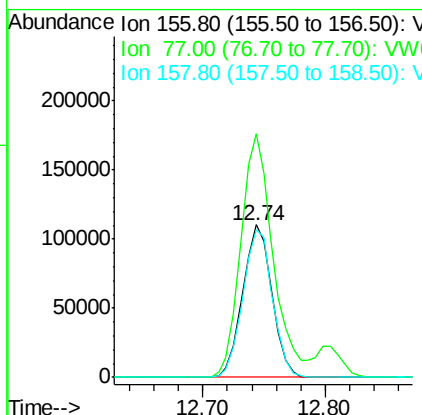
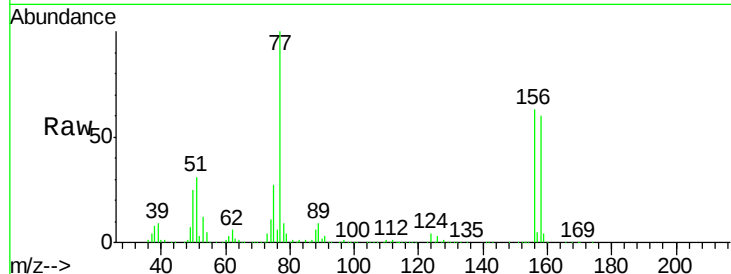
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	182452
Ion Ratio	Lower	Upper	
156	100		
77	176.7	85.7	257.1
158	98.1	48.1	144.4

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#78

n-propylbenzene

Concen: 49.976 ug/l

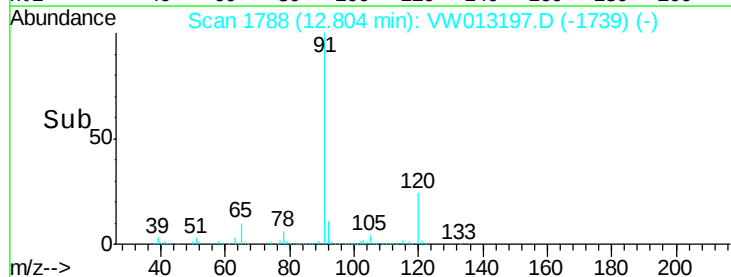
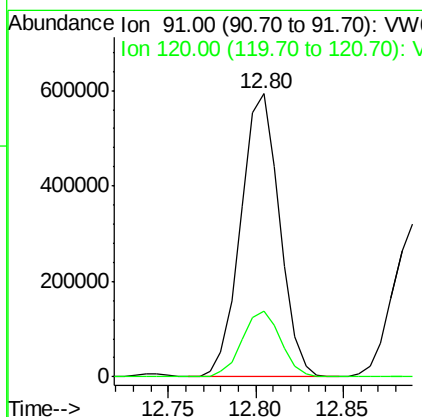
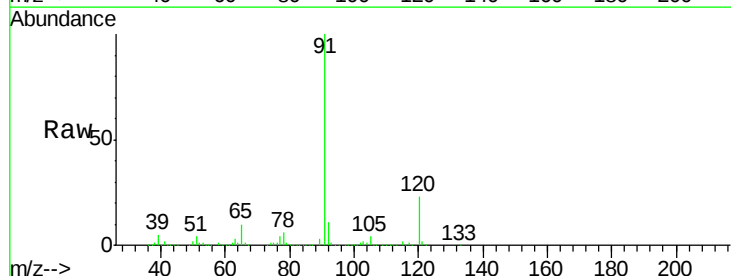
RT: 12.80 min Scan# 1788

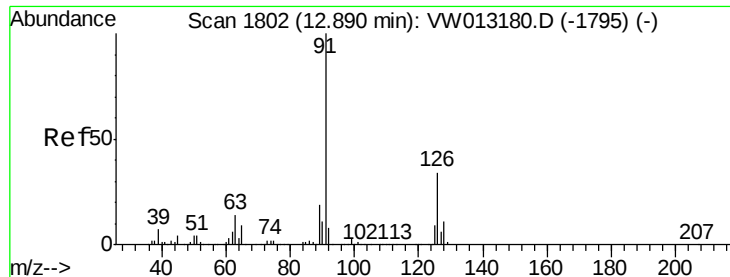
Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion:	91	Resp:	915324
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.7	35.1





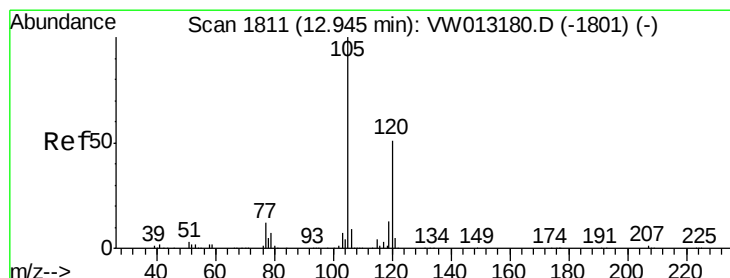
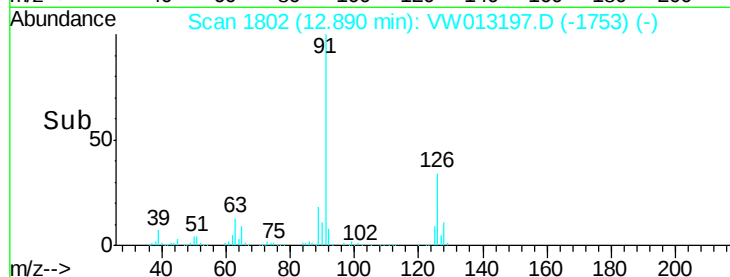
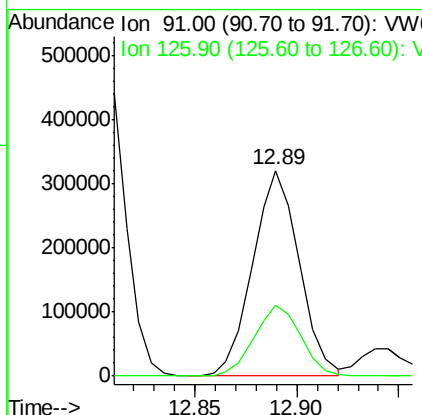
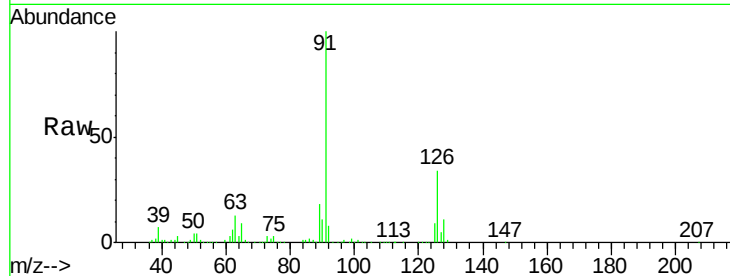
#79
 2-Chlorotoluene
 Concen: 49.329 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 506163
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.2 51.5

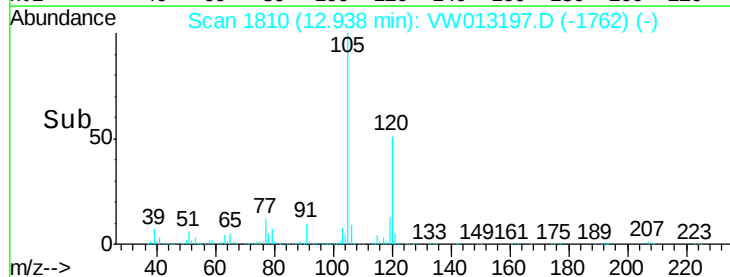
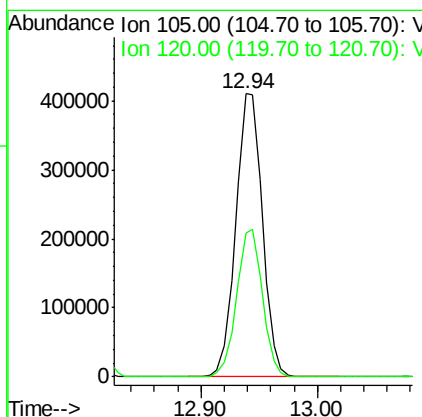
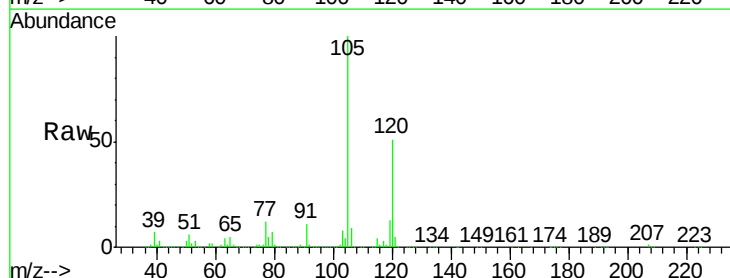
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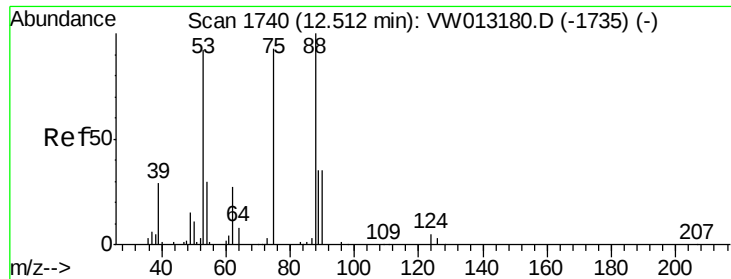
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.611 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion: 105 Resp: 652529
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.9 74.8





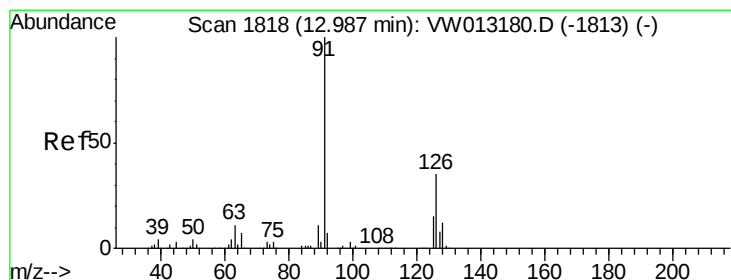
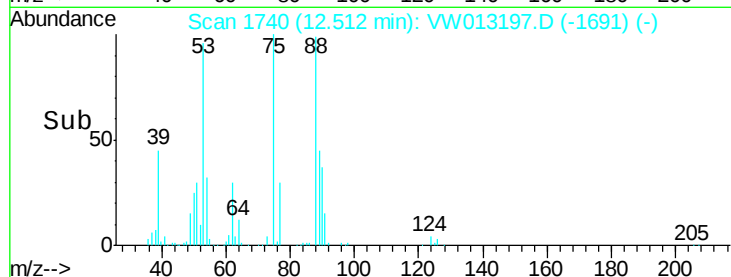
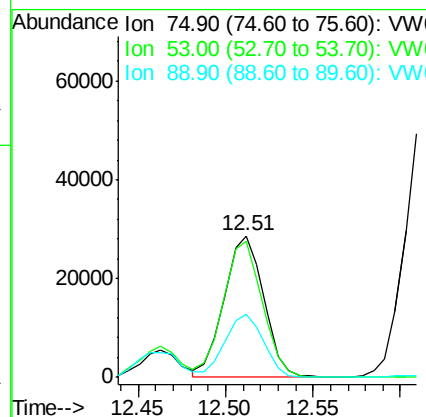
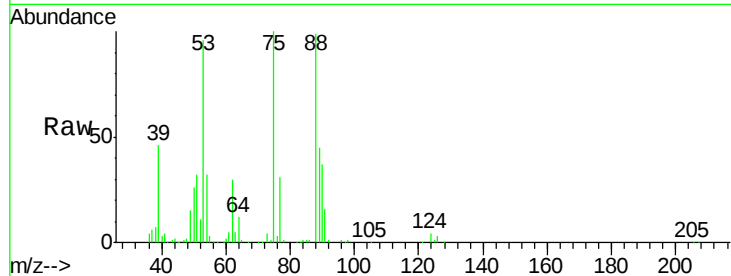
#81
trans-1,4-Dichloro-2-butene
Concen: 54.346 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	76.6	114.8
89	43.9	33.5	50.3

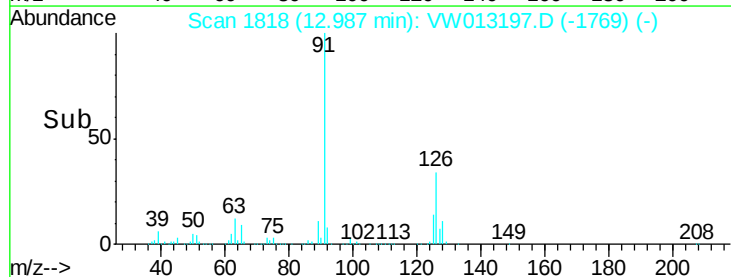
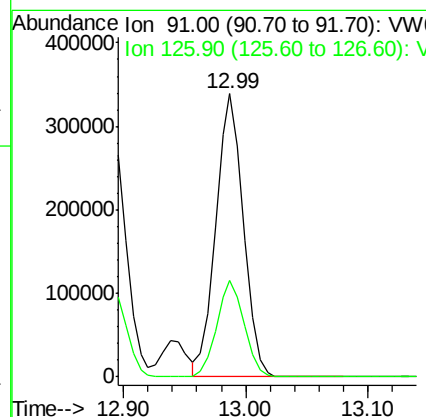
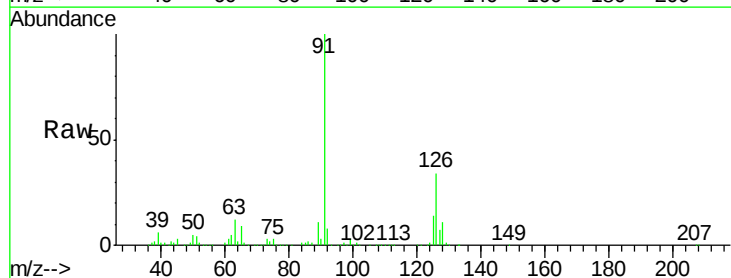
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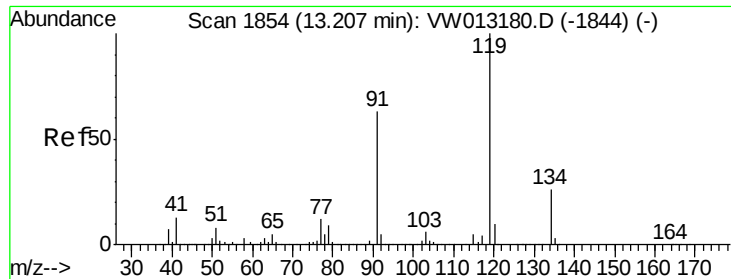
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#82
4-Chlorotoluene
Concen: 49.056 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.3	51.7





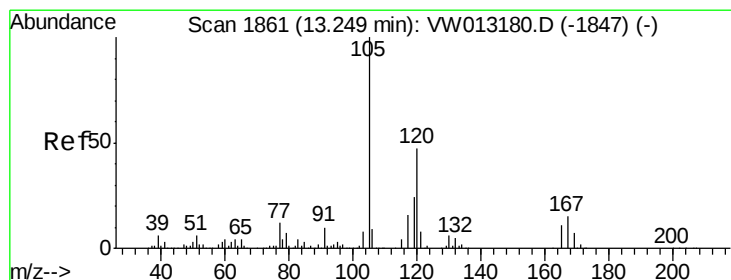
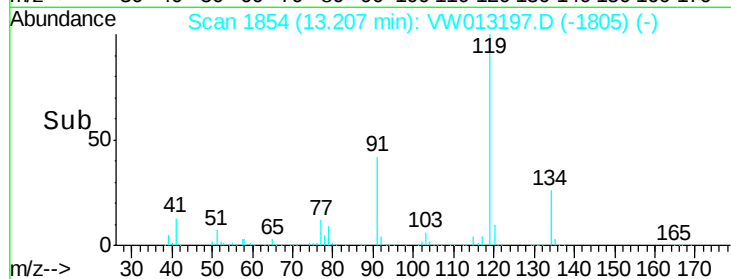
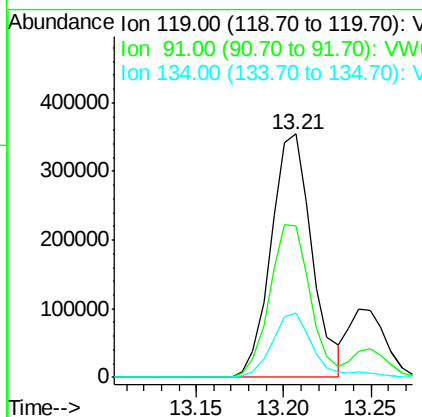
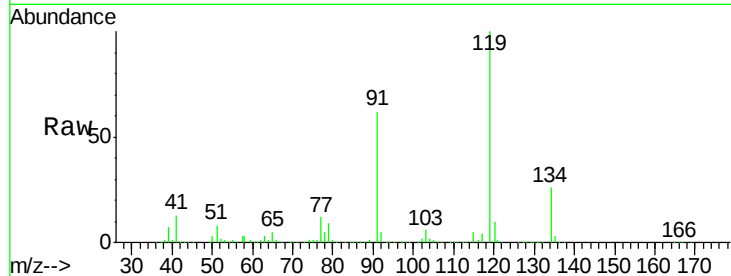
#83
tert-Butylbenzene
Concen: 50.023 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	577486		
91	62.2	30.7	92.1	
134	27.0	12.6	37.6	

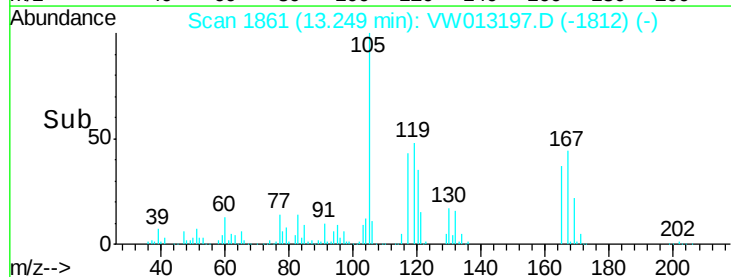
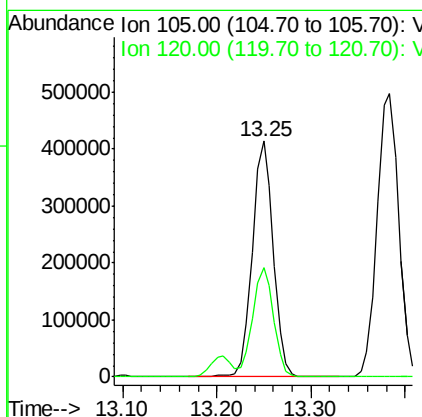
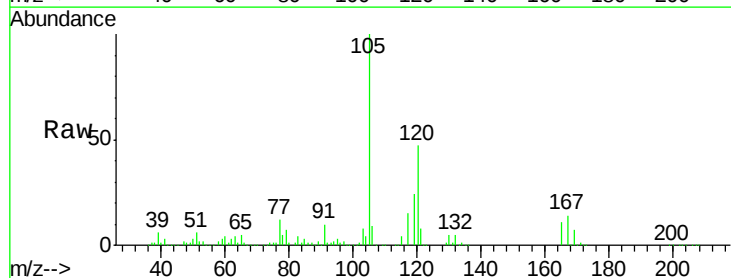
Manual Integrations
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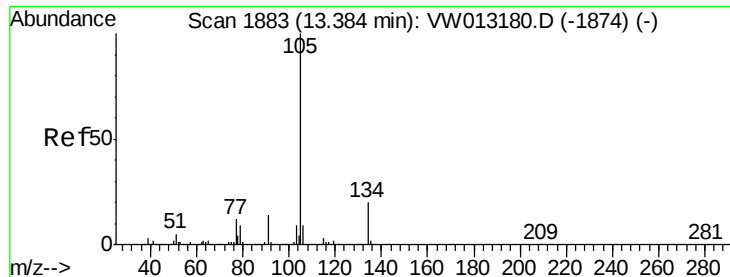
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#84
1,2,4-Trimethylbenzene
Concen: 49.568 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	648757		
120	46.6	23.4	70.3	





#85

sec-Butylbenzene

Concen: 49.707 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 791140

Ion Ratio Lower Upper

105 100

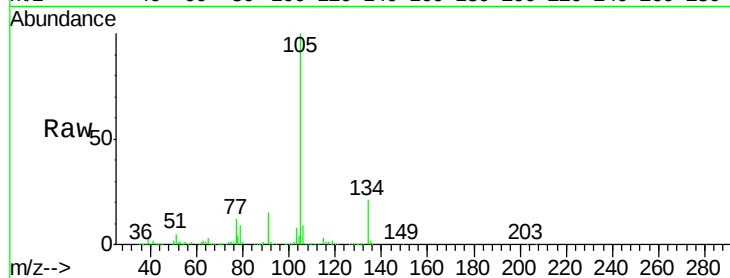
134 20.4 10.3 30.8

Manual Integrations

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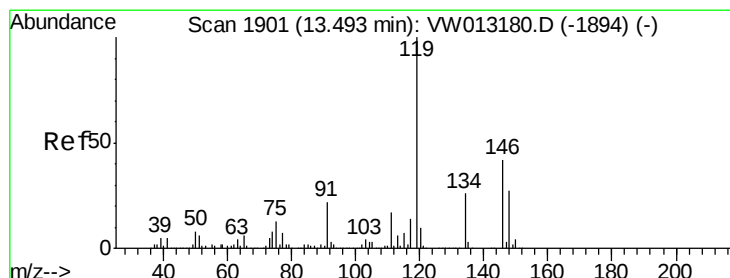
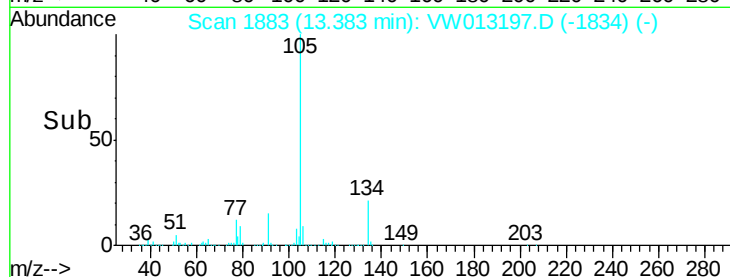
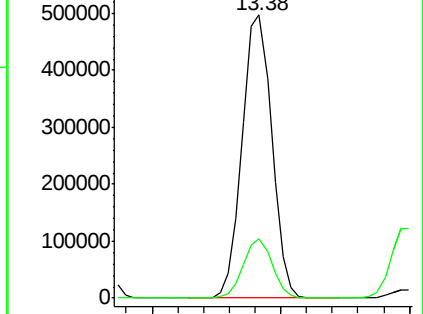
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.244 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

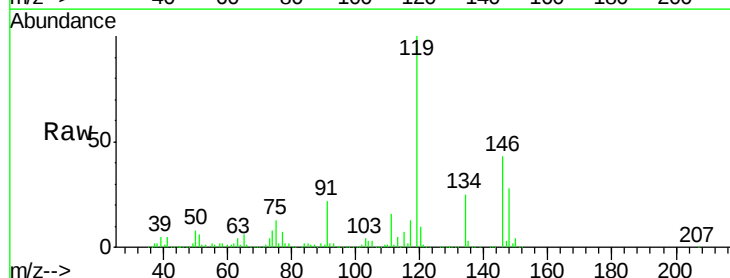
Tgt Ion:119 Resp: 741717

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.8

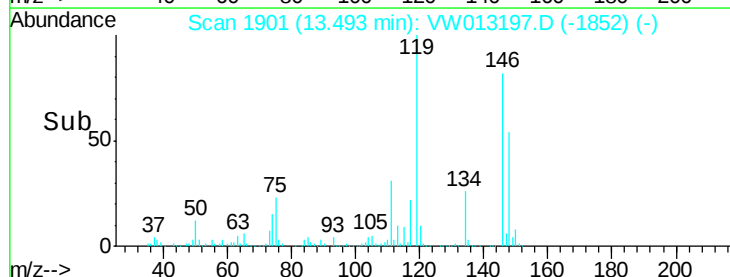
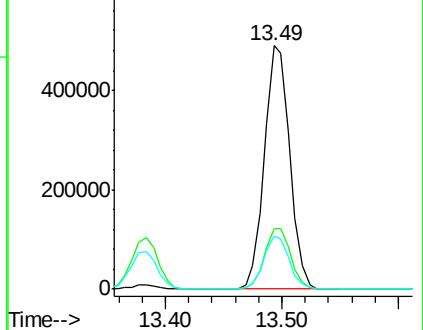
91 21.7 10.8 32.4

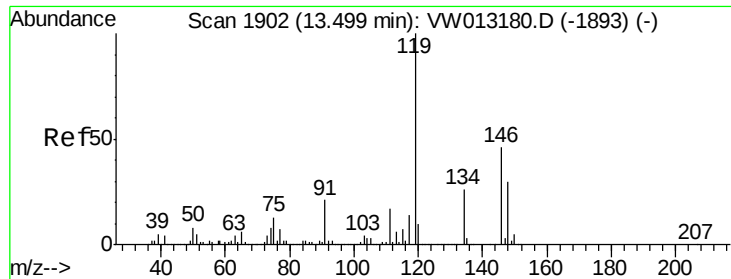


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.838 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

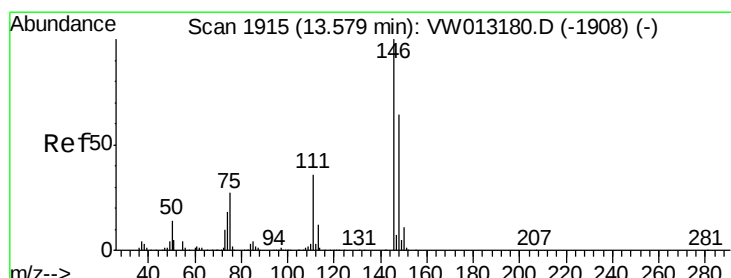
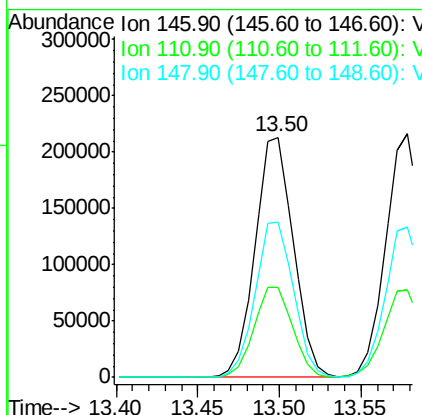
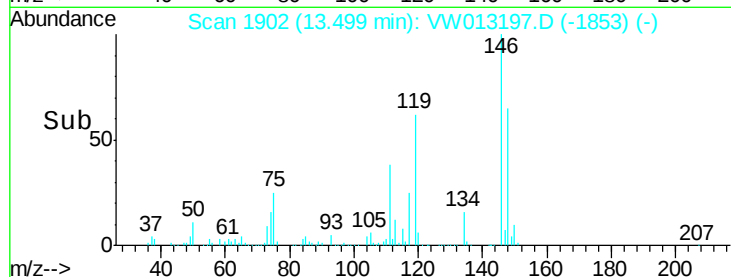
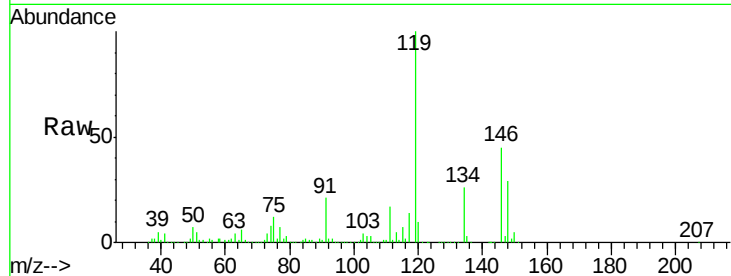
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	64.8	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.099 ug/l

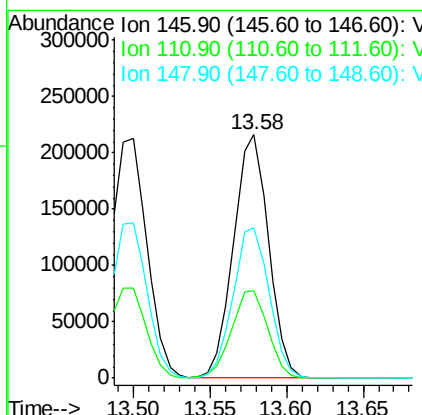
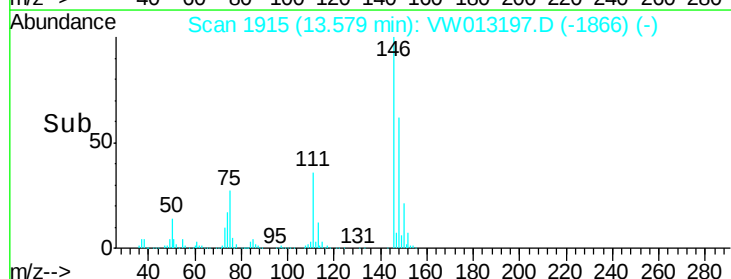
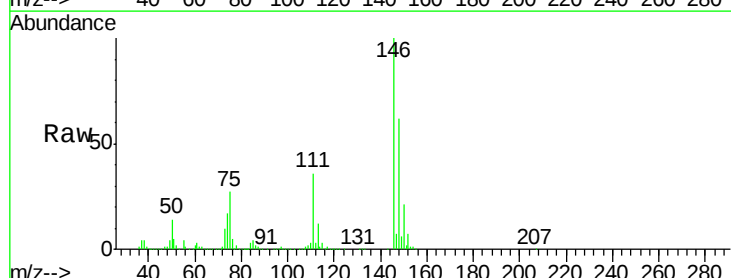
RT: 13.58 min Scan# 1915

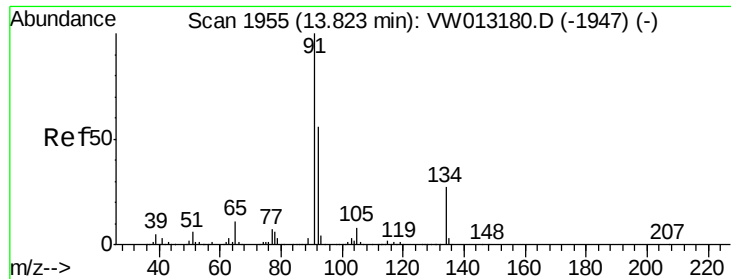
Delta R.T. -0.00 min

Lab File: VW013197.D

Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.0
148	64.0	32.1	96.3





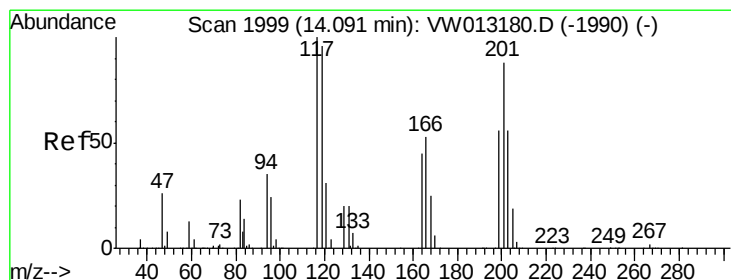
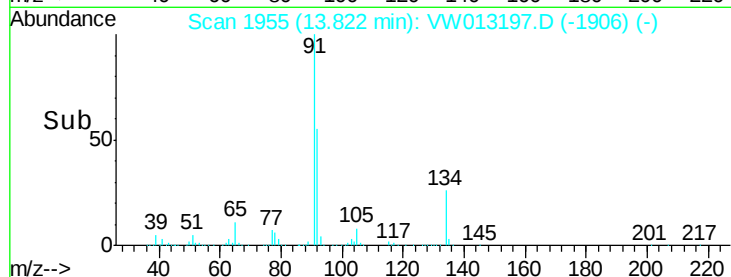
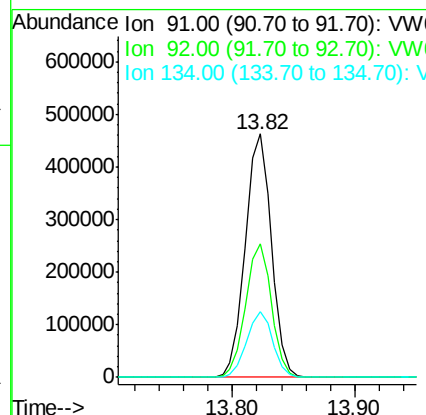
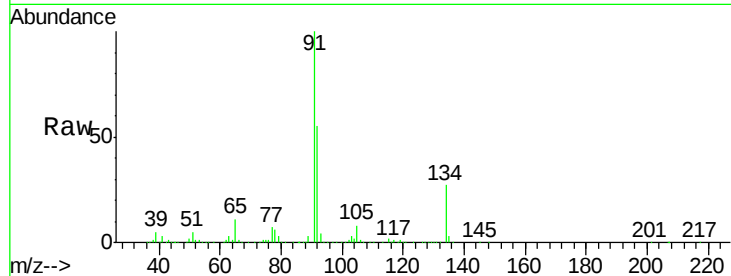
#89
n-Butylbenzene
Concen: 50.695 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.8
134	26.8	13.7	41.1

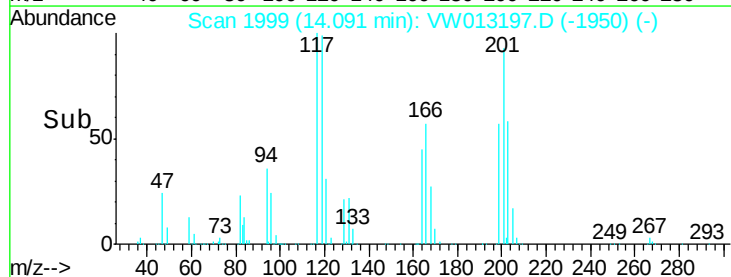
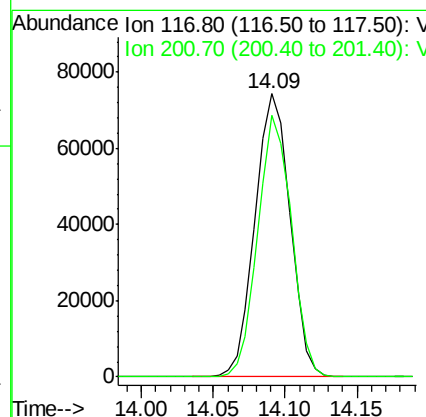
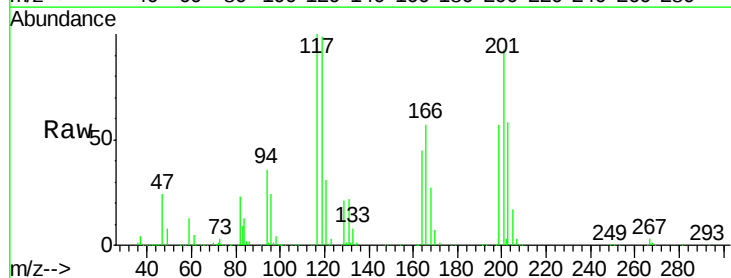
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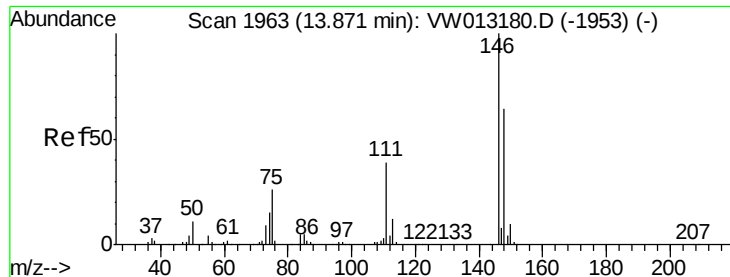
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#90
Hexachloroethane
Concen: 50.420 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	44.5	133.5





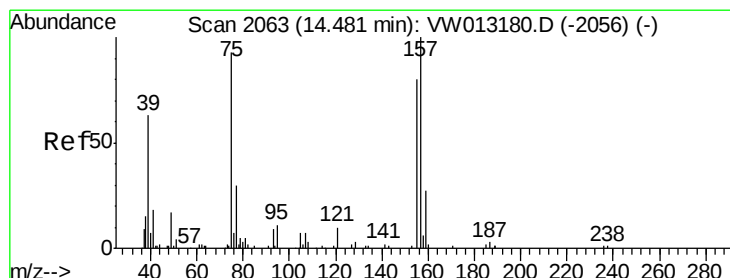
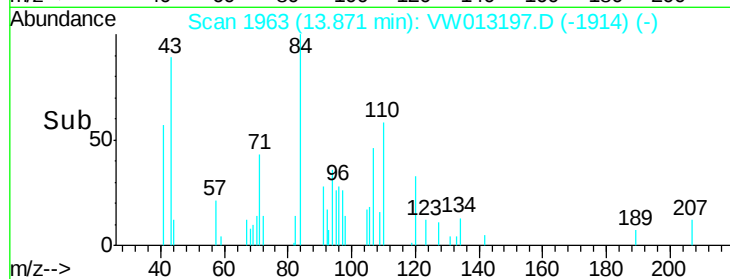
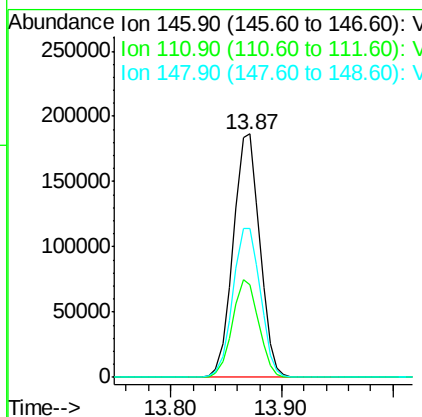
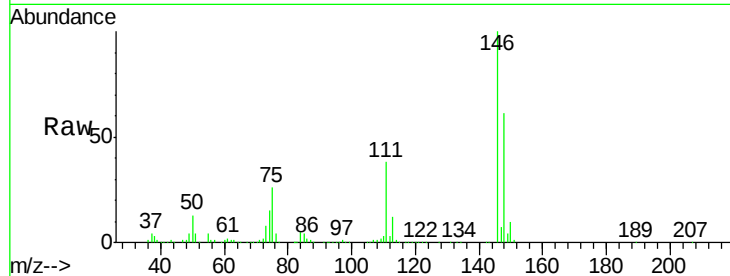
#91
 1,2-Dichlorobenzene
 Concen: 49.897 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.1	60.3
148	63.5	32.0	96.0

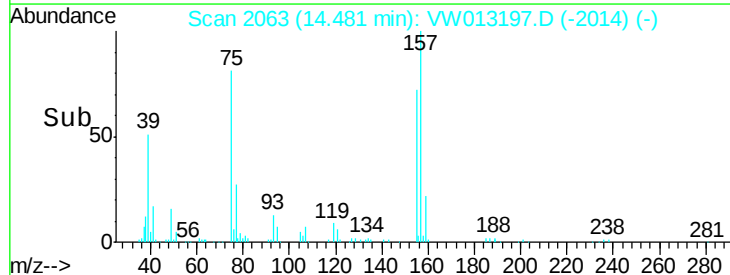
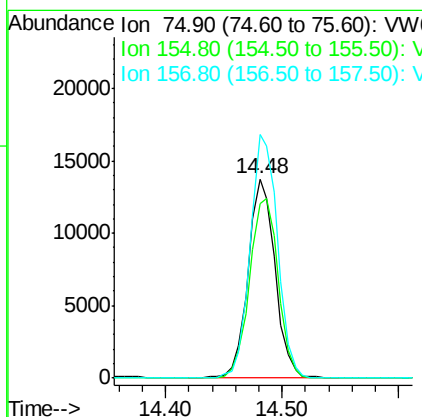
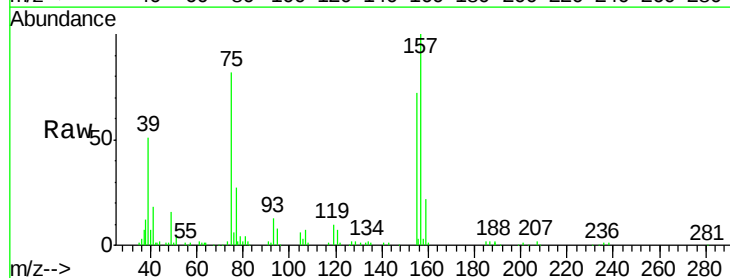
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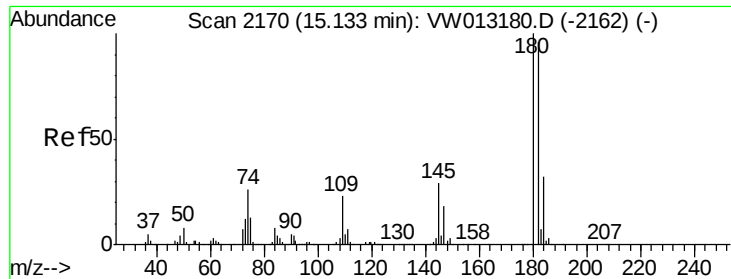
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.597 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	46.1	138.3
157	123.1	60.4	181.2





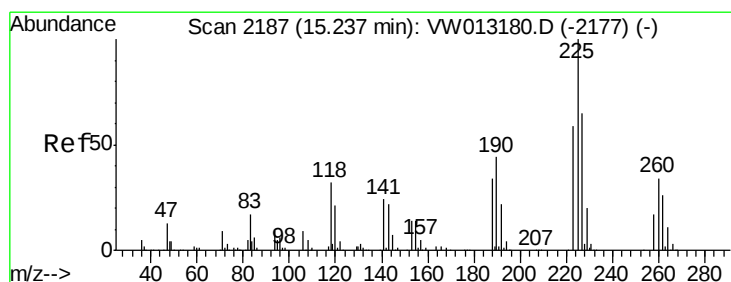
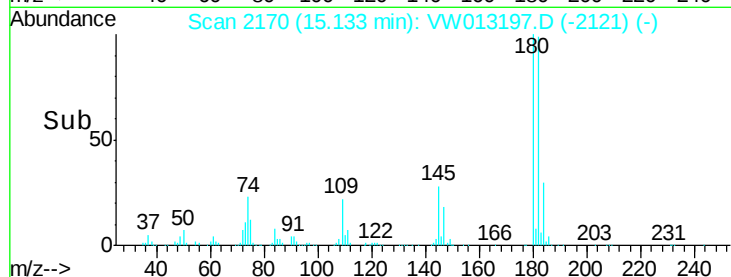
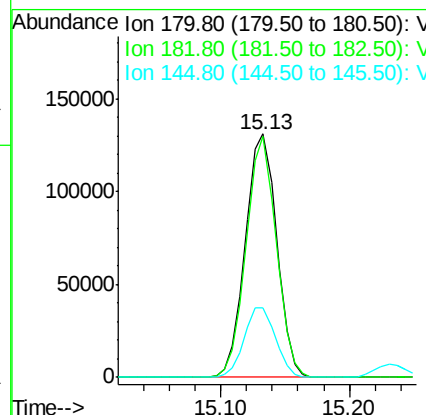
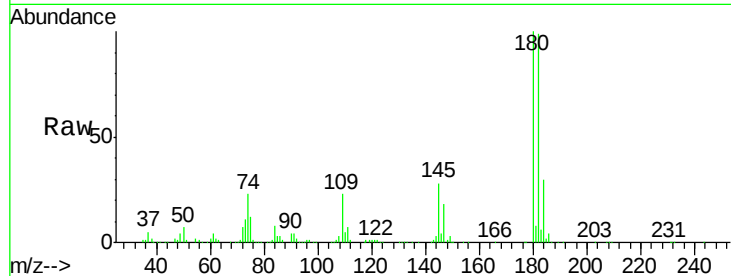
#93
 1,2,4-Trichlorobenzene
 Concen: 49.792 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220273		
182	95.2	47.3	142.0	
145	28.7	14.2	42.8	

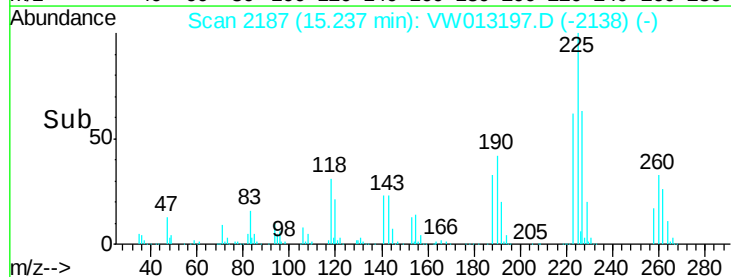
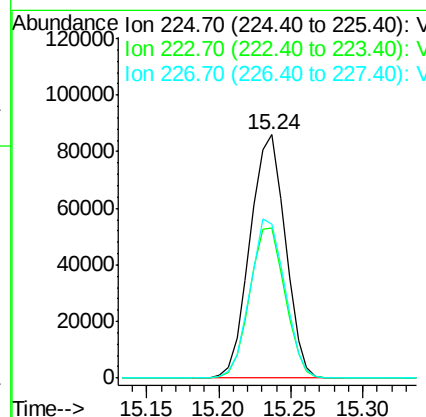
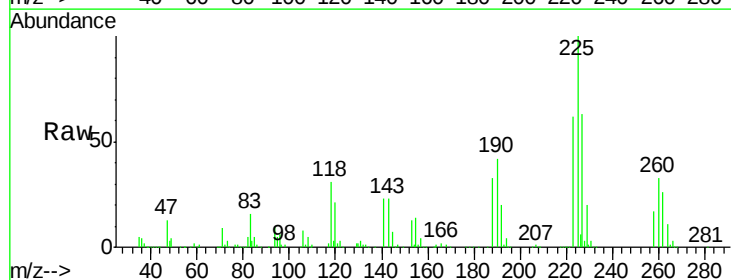
Manual Integrations
 APPROVED

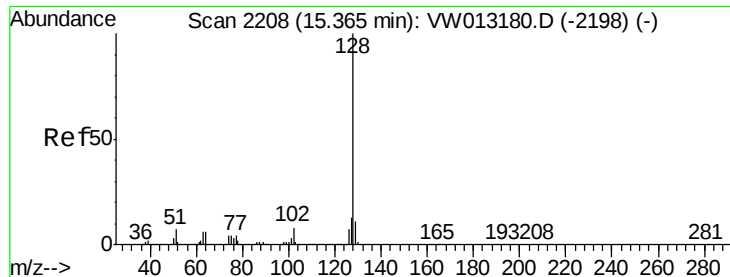
MMDadoda
 9/24/2019 5:28:58 AM



#94
 Hexachlorobutadiene
 Concen: 48.144 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013197.D
 Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	145711		
223	61.8	30.6	91.8	
227	64.5	31.9	95.9	





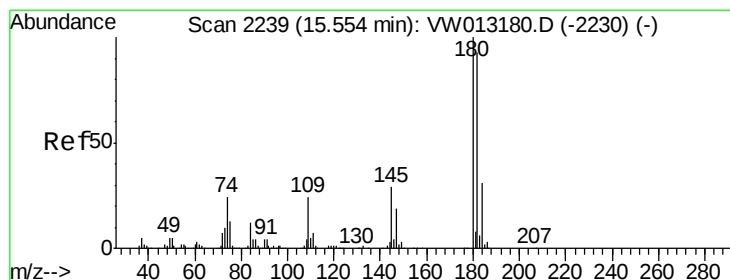
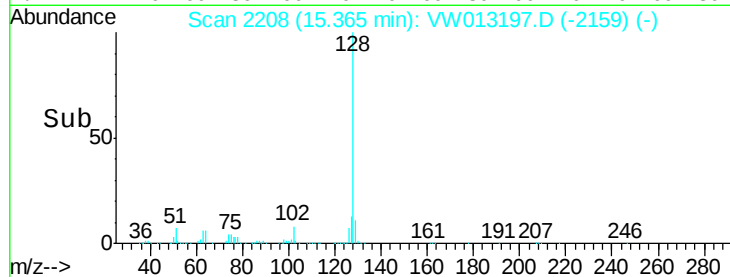
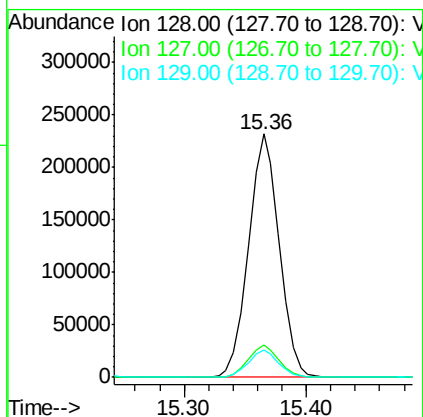
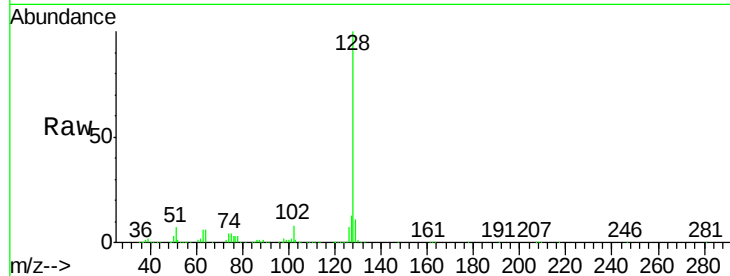
#95
Naphthalene
Concen: 55.783 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	403612		
127	13.3	10.6	15.8	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.579 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013197.D
Acq: 20 Sep 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	193341		
182	95.5	47.9	143.7	
145	30.2	15.0	45.0	

