

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014574.D
 Acq On : 09 Jan 2020 11:40
 Operator : SY/VA
 Sample : VW0109SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:40:52 AM

Quant Time: Jan 09 12:52:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	617505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	904305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	775933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	379391	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	280532	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
35) Dibromofluoromethane	7.88	113	275625	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	10.32	98	1149921	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.62	95	386871	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	70988	20.360	ug/l	98
3) Chloromethane	2.21	50	92395	21.650	ug/l	99
4) Vinyl Chloride	2.36	62	135681	21.616	ug/l	97
5) Bromomethane	2.76	94	81127	20.922	ug/l	99
6) Chloroethane	2.92	64	74973	20.953	ug/l	99
7) Trichlorofluoromethane	3.25	101	62740	19.977	ug/l	98
8) Diethyl Ether	3.68	74	62788	20.094	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	121185	20.652	ug/l	98
10) Methyl Iodide	4.27	142	178295	20.138	ug/l	99
11) Tert butyl alcohol	5.17	59	43496	89.792	ug/l	99
12) 1,1-Dichloroethene	4.04	96	123088	20.030	ug/l	96
13) Acrolein	3.89	56	46423	98.516	ug/l	100
14) Allyl chloride	4.66	41	188795	20.105	ug/l	99
15) Acrylonitrile	5.37	53	152375	106.681	ug/l	99
16) Acetone	4.12	43	151867	99.619	ug/l	94
17) Carbon Disulfide	4.38	76	369498	19.950	ug/l	99
18) Methyl Acetate	4.67	43	77116	20.945	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	161667	21.194	ug/l	95
20) Methylene Chloride	4.92	84	138226	19.677	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	134995	20.689	ug/l	92
22) Diisopropyl ether	6.31	45	353332	20.102	ug/l	98
23) Vinyl Acetate	6.25	43	1078549	101.616	ug/l	100
24) 1,1-Dichloroethane	6.21	63	223754	20.181	ug/l	98
25) 2-Butanone	7.17	43	202002	103.252	ug/l	99
26) 2,2-Dichloropropane	7.16	77	127865	20.830	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	137681	20.081	ug/l	99
28) Bromochloromethane	7.51	49	79298	18.243	ug/l	98
29) Tetrahydrofuran	7.52	42	125098	103.216	ug/l	99
30) Chloroform	7.67	83	211051	20.356	ug/l	99
31) Cyclohexane	7.95	56	229609	19.927	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	174537	20.931	ug/l	100
36) 1,1-Dichloropropene	8.08	75	183950	21.100	ug/l	100
37) Ethyl Acetate	7.24	43	83819	21.199	ug/l	98
38) Carbon Tetrachloride	8.06	117	159148	21.042	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014574.D
 Acq On : 09 Jan 2020 11:40
 Operator : SY/VA
 Sample : VW0109SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:40:52 AM

Quant Time: Jan 09 12:52:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	223396	19.968	ug/l	96
40) Benzene	8.32	78	520613	21.106	ug/l	99
41) Methacrylonitrile	7.48	41	44893	20.369	ug/l	97
42) 1,2-Dichloroethane	8.40	62	133558	20.865	ug/l	99
43) Isopropyl Acetate	8.41	43	151240	21.065	ug/l	100
44) Trichloroethene	9.09	130	140656	21.074	ug/l	96
45) 1,2-Dichloropropane	9.37	63	124964	20.646	ug/l	99
46) Dibromomethane	9.45	93	62650	20.967	ug/l	98
47) Bromodichloromethane	9.64	83	149592	20.278	ug/l	99
48) Methyl methacrylate	9.43	41	66229	18.893	ug/l	91
49) 1,4-Dioxane	9.45	88	23905	427.734	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	394104	105.701	ug/l	98
52) Toluene	10.38	92	325110	20.951	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	156971	20.551	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	189745	20.326	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	92251	21.139	ug/l	97
56) Ethyl methacrylate	10.64	69	117343	20.690	ug/l	98
57) 1,3-Dichloropropane	10.93	76	160776	20.962	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	180301	104.529	ug/l	99
59) 2-Hexanone	10.96	43	276748	107.716	ug/l	99
60) Dibromochloromethane	11.13	129	101097	20.532	ug/l	98
61) 1,2-Dibromoethane	11.23	107	88946	21.472	ug/l	100
64) Tetrachloroethene	10.86	164	119325	21.242	ug/l	97
65) Chlorobenzene	11.65	112	333466	20.977	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	112530	21.025	ug/l	100
67) Ethyl Benzene	11.73	91	602029	21.015	ug/l	100
68) m/p-Xylenes	11.84	106	463306	42.256	ug/l	100
69) o-Xylene	12.16	106	211495	20.883	ug/l	99
70) Styrene	12.18	104	361806	21.121	ug/l	99
71) Bromoform	12.35	173	60443	20.704	ug/l	# 99
73) Isopropylbenzene	12.46	105	589327	21.170	ug/l	100
74) N-amyl acetate	12.27	43	128413	20.573	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109274	21.748	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	64898m	18.092	ug/l	
77) Bromobenzene	12.74	156	139520	21.579	ug/l	95
78) n-propylbenzene	12.80	91	694519	21.217	ug/l	99
79) 2-Chlorotoluene	12.89	91	390571	20.966	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	493764	21.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33263	20.661	ug/l	95
82) 4-Chlorotoluene	12.99	91	403478	20.848	ug/l	100
83) tert-Butylbenzene	13.20	119	427559	20.893	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	487032	20.939	ug/l	100
85) sec-Butylbenzene	13.38	105	598974	21.146	ug/l	99
86) p-Isopropyltoluene	13.49	119	540829	20.947	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	263035	20.921	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	262399	21.140	ug/l	99
89) n-Butylbenzene	13.82	91	494970	20.644	ug/l	98
90) Hexachloroethane	14.09	117	90704	20.110	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	233702	21.149	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17033	21.407	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\
Data File : VW014574.D
Acq On : 09 Jan 2020 11:40
Operator : SY/VA
Sample : VW0109SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

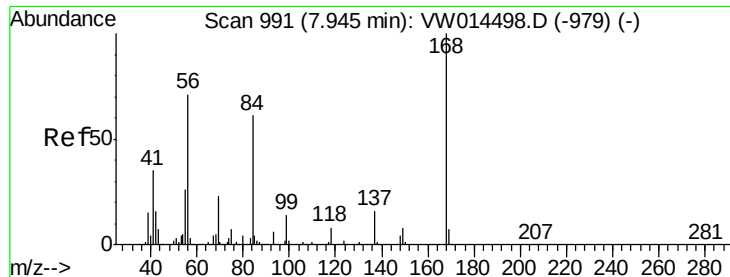
Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM

Quant Time: Jan 09 12:52:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153527	20.573	ug/l	99
94) Hexachlorobutadiene	15.24	225	100812	20.159	ug/l	99
95) Naphthalene	15.36	128	265831	20.888	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	136290	20.953	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion:168 Resp: 617505

Ion Ratio Lower Upper

168 100

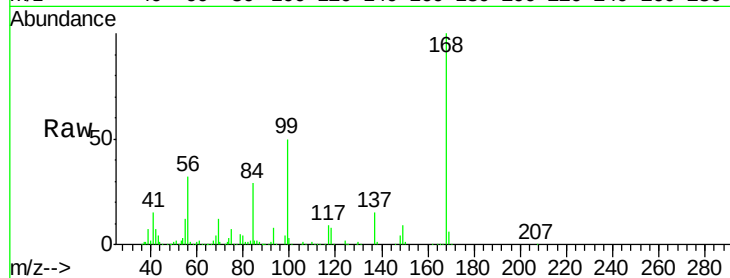
99 50.1 41.1 61.7

Manual Integrations

APPROVED

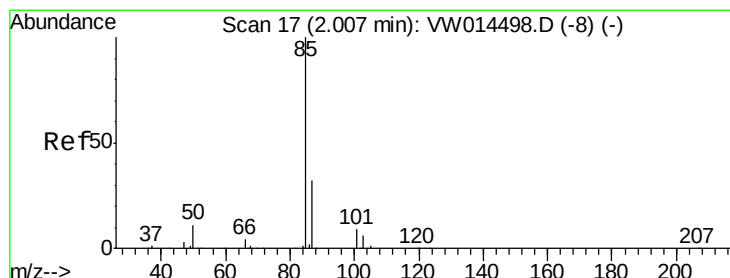
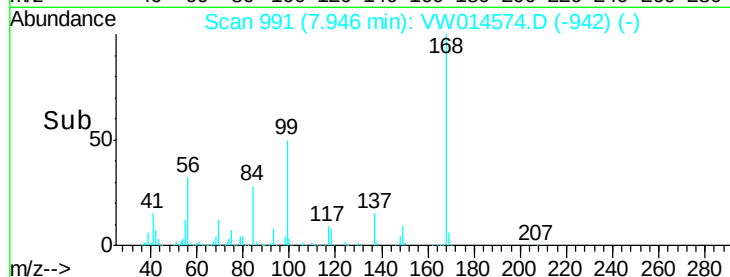
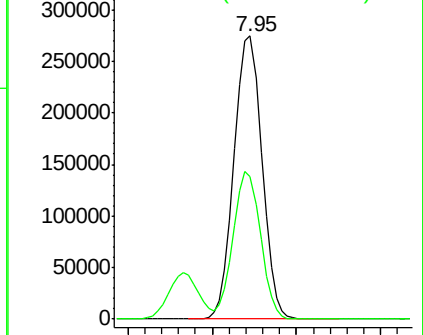
MMDadoda

1/10/2020 10:40:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.360 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014574.D

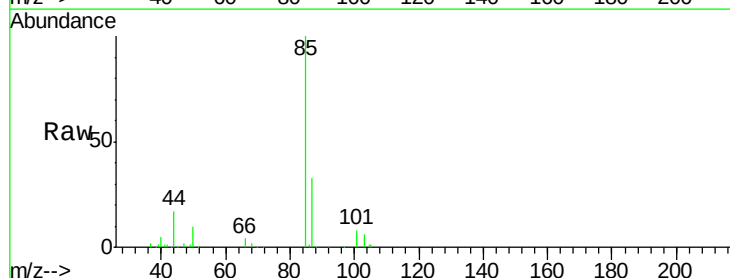
Acq: 09 Jan 2020 11:40

Tgt Ion: 85 Resp: 70988

Ion Ratio Lower Upper

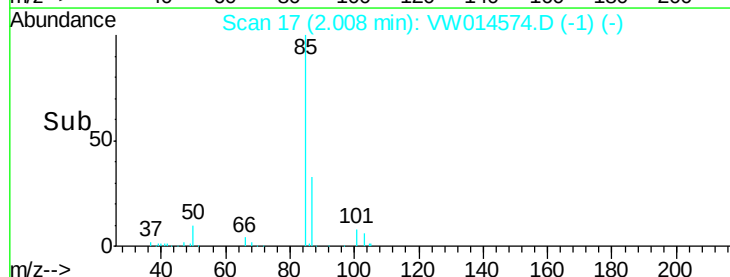
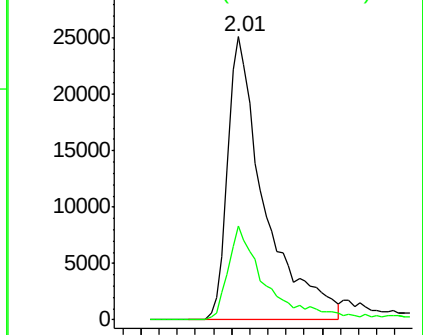
85 100

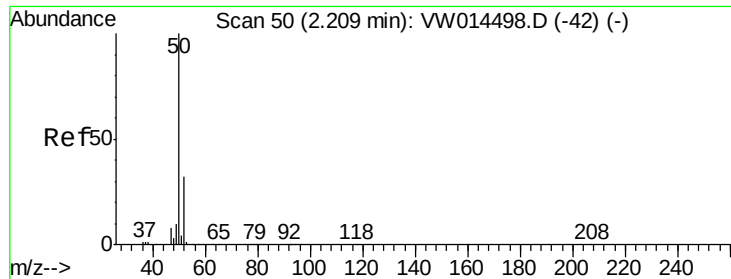
87 33.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.650 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 50 Resp: 92395

Ion Ratio Lower Upper

50 100

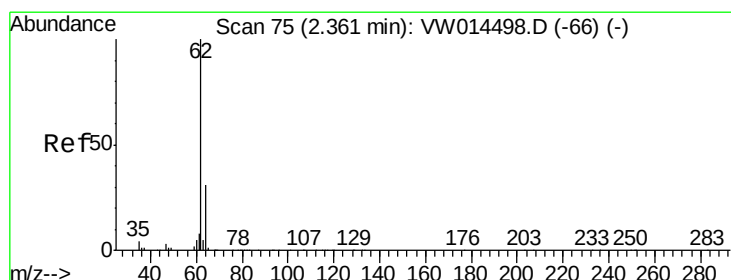
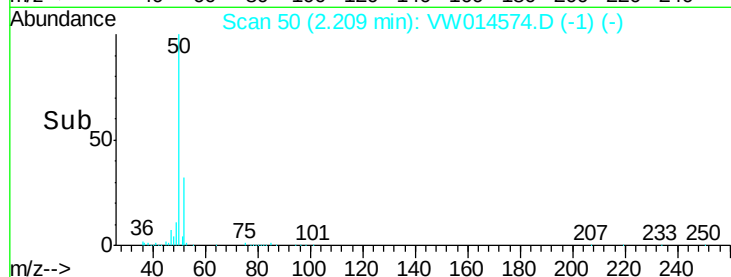
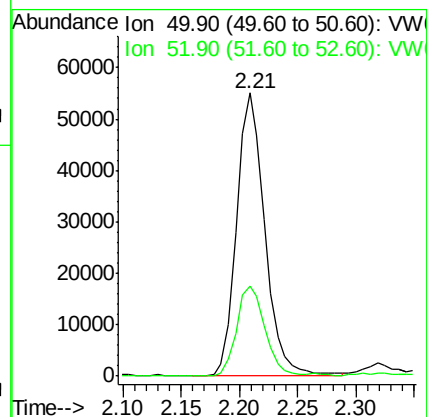
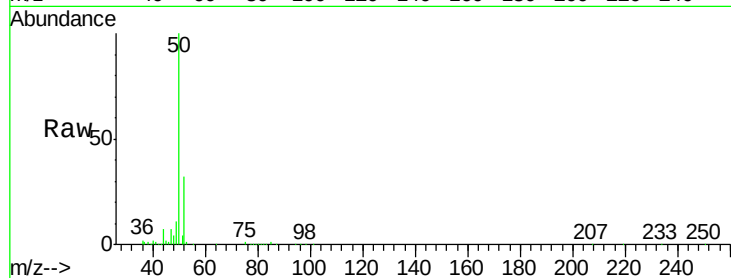
52 31.8 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:52 AM



#4

Vinyl Chloride

Concen: 21.616 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014574.D

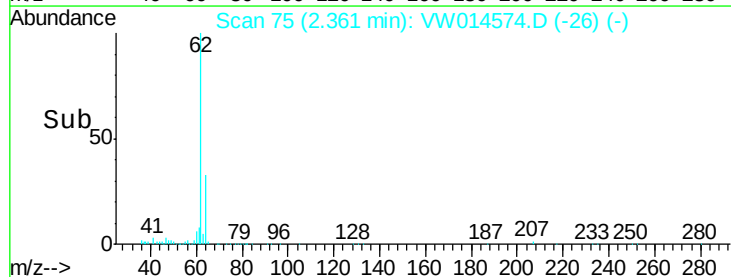
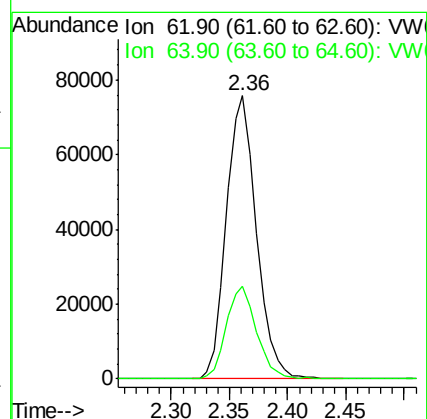
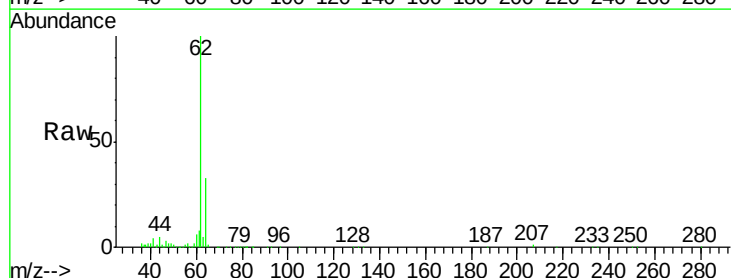
Acq: 09 Jan 2020 11:40

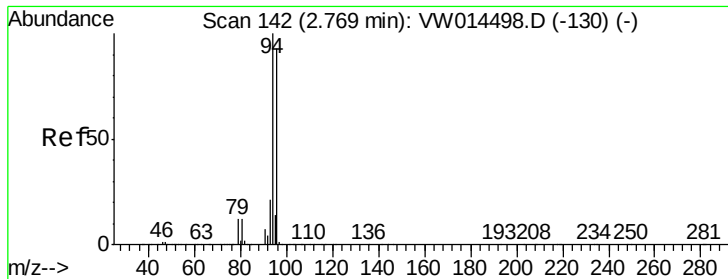
Tgt Ion: 62 Resp: 135681

Ion Ratio Lower Upper

62 100

64 32.8 25.0 37.4





#5

Bromomethane

Concen: 20.922 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 94 Resp: 81127

Ion Ratio Lower Upper

94 100

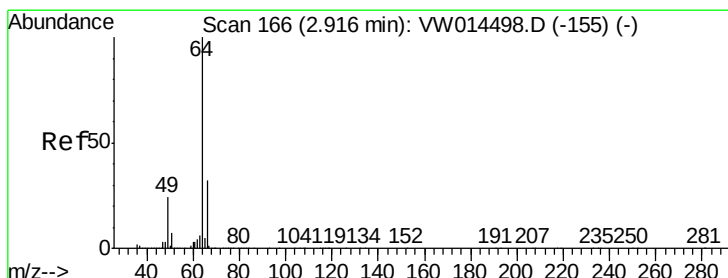
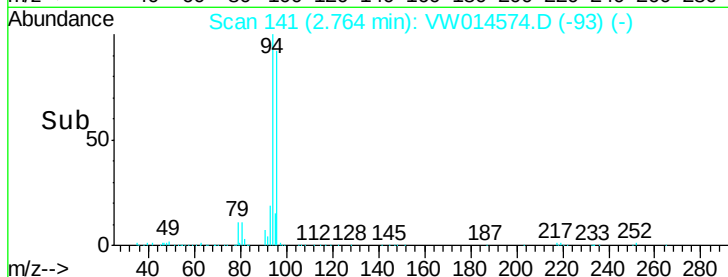
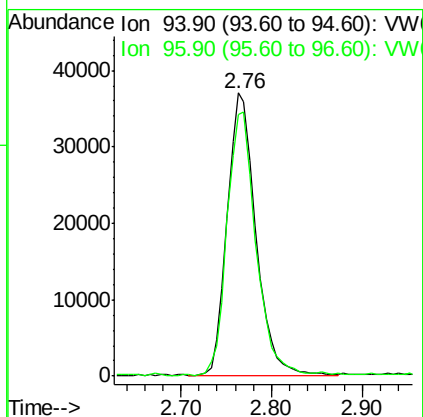
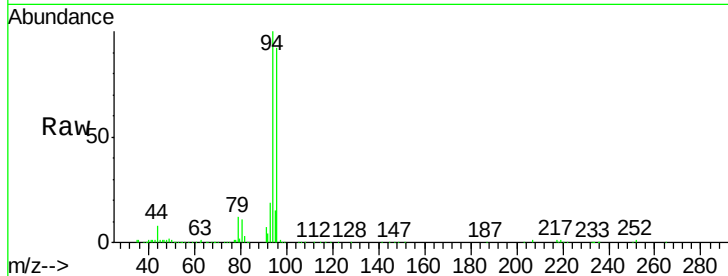
96 92.1 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:52 AM



#6

Chloroethane

Concen: 20.953 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014574.D

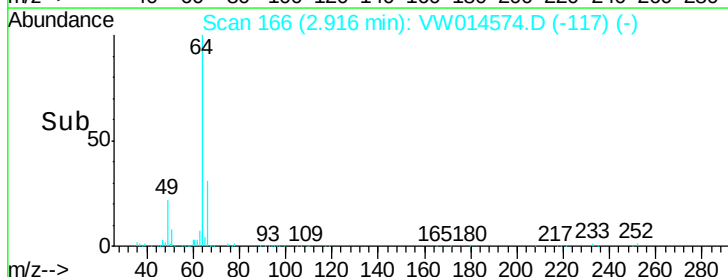
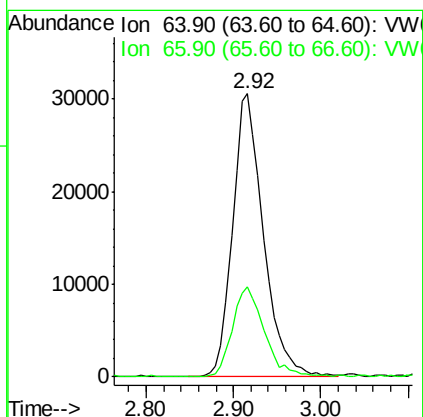
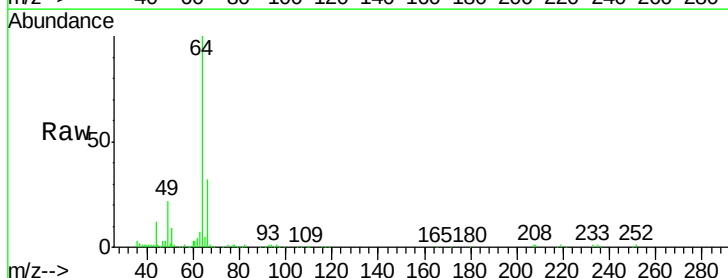
Acq: 09 Jan 2020 11:40

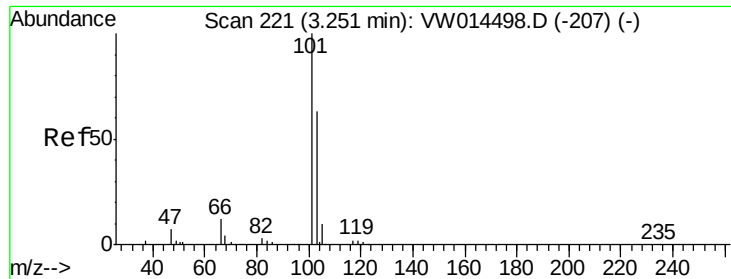
Tgt Ion: 64 Resp: 74973

Ion Ratio Lower Upper

64 100

66 31.5 25.7 38.5





#7

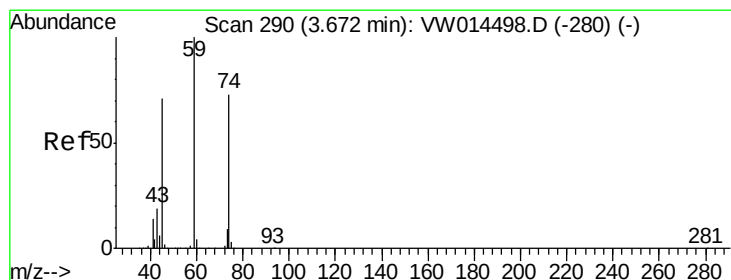
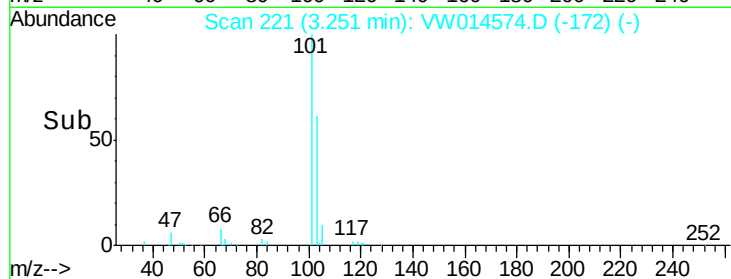
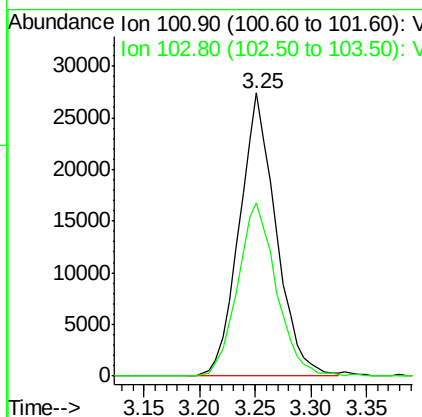
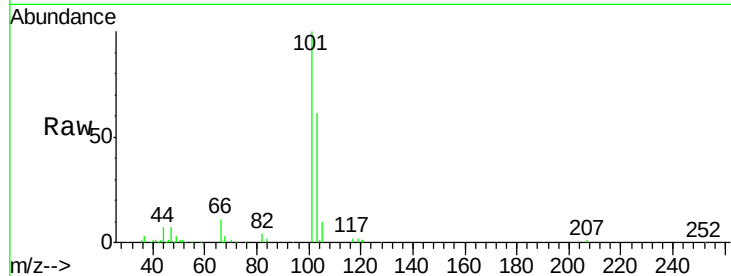
Trichlorofluoromethane
Concen: 19.977 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	50.1	75.1

Manual Integrations
APPROVED

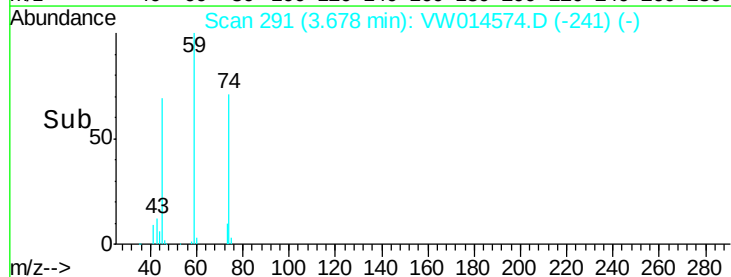
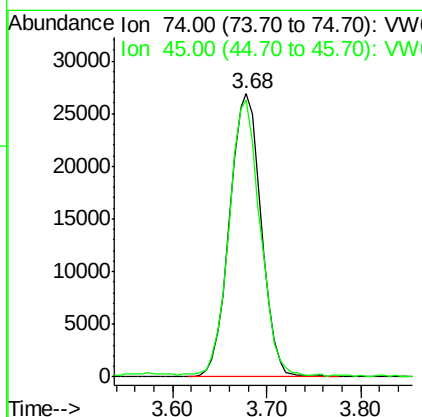
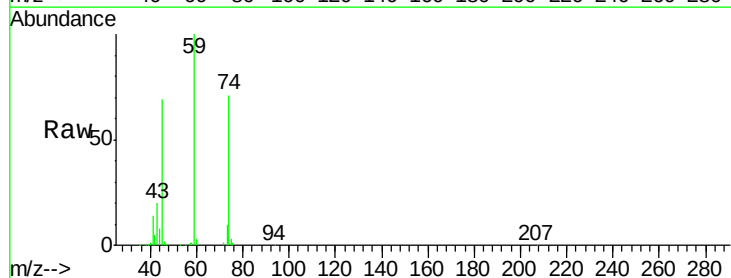
MMDadoda
1/10/2020 10:40:52 AM

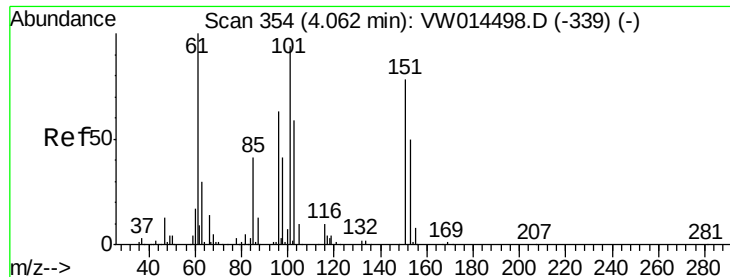


#8

Diethyl Ether
Concen: 20.094 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.652 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

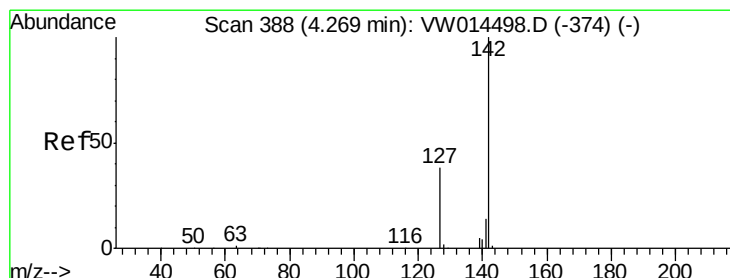
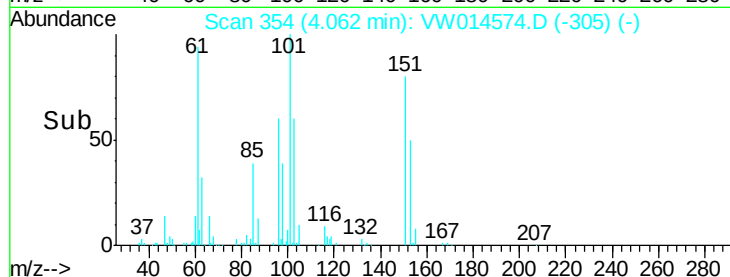
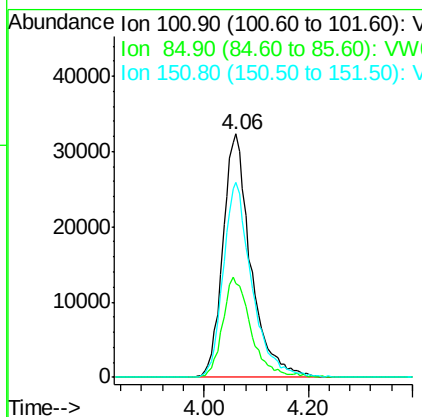
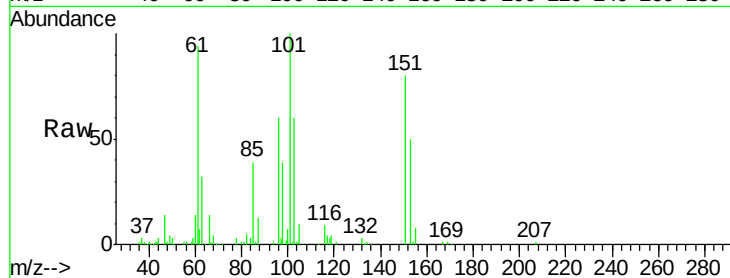
ClientSampleId :

VW0109SBS01

Tot Ion:	101	Resp:	121185
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.7	50.5
151	81.6	63.5	95.3

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM



#10

Methyl Iodide

Concen: 20.138 ug/l

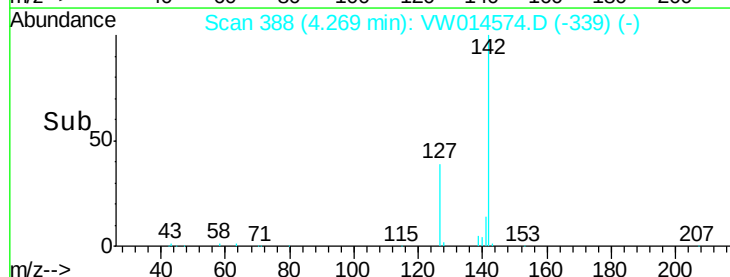
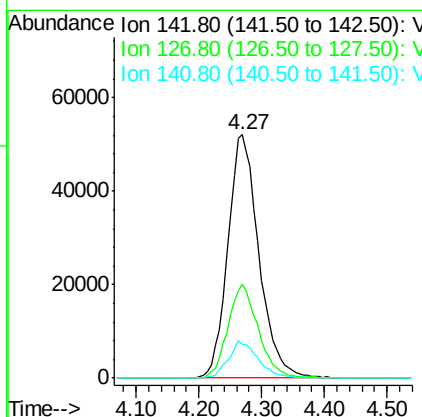
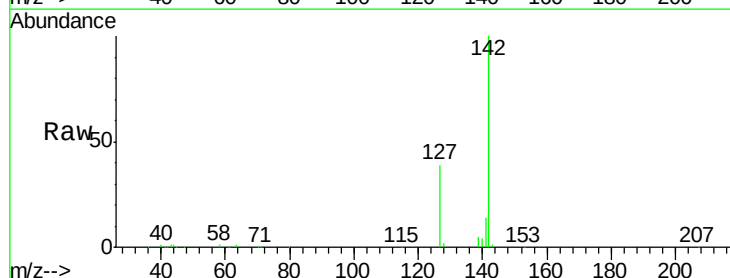
RT: 4.27 min Scan# 388

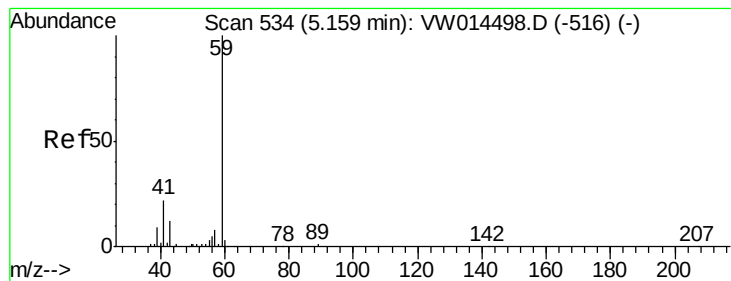
Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Tgt Ion:	142	Resp:	178295
Ion Ratio	Lower	Upper	
142	100		
127	37.5	30.2	45.4
141	14.6	11.4	17.2





#11

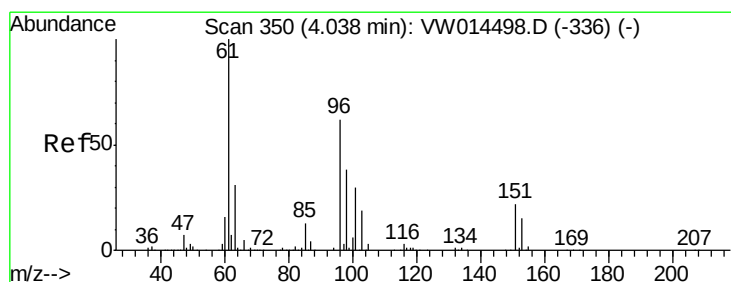
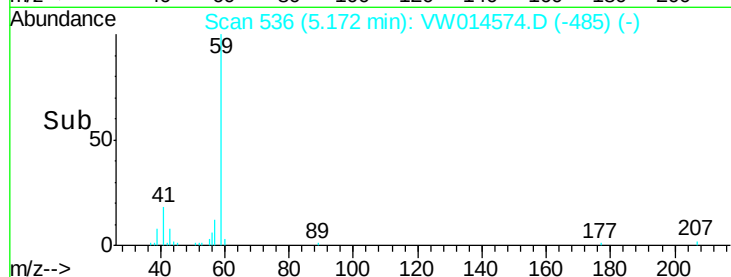
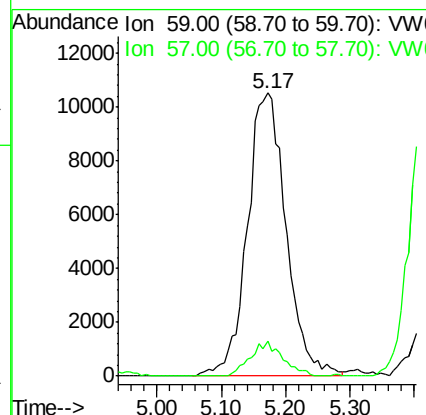
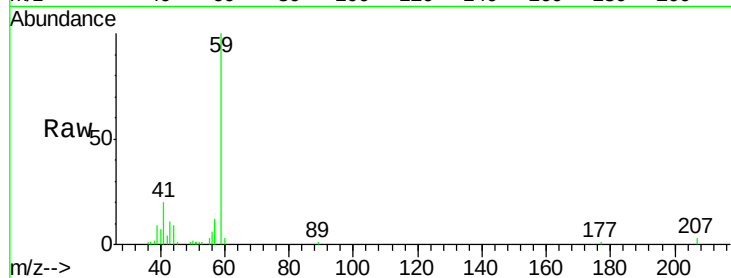
Tert butyl alcohol
Concen: 89.792 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

Manual Integrations
APPROVED

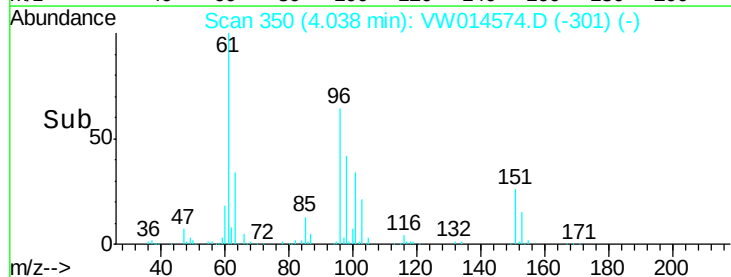
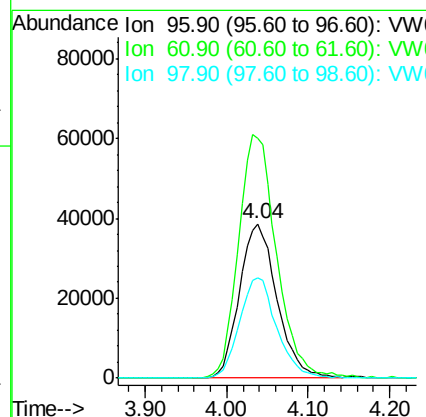
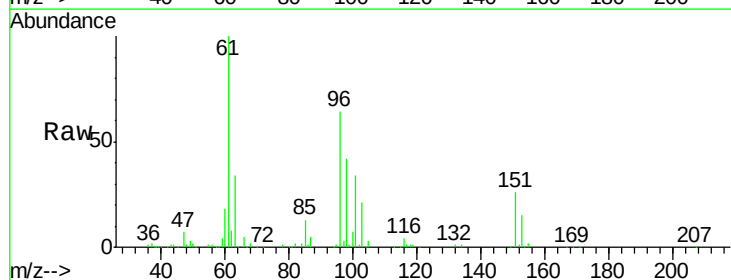
MMDadoda
1/10/2020 10:40:52 AM

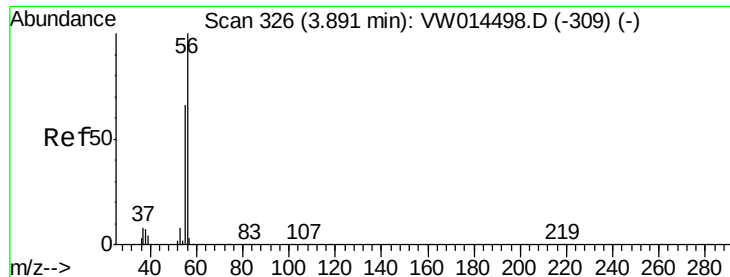


#12

1,1-Dichloroethene
Concen: 20.030 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	128.4	192.6
98	64.9	49.1	73.7





#13

Acrolein

Concen: 98.516 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 56 Resp: 46423

Ion Ratio Lower Upper

56 100

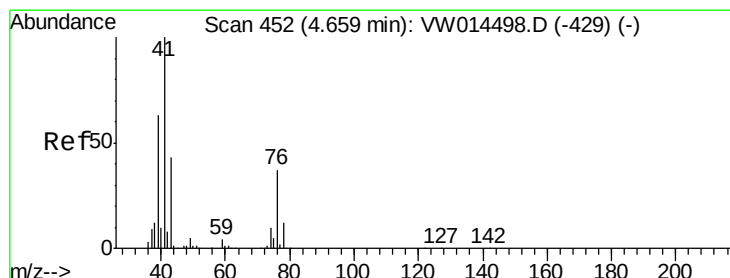
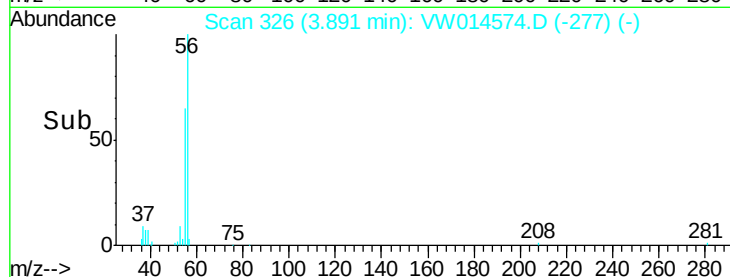
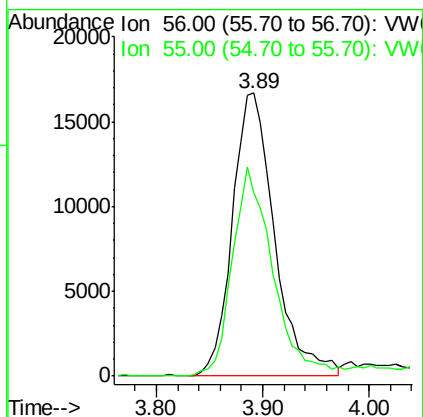
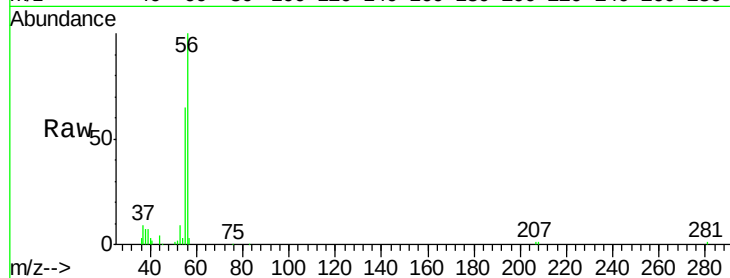
55 71.2 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:52 AM



#14

Allyl chloride

Concen: 20.105 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

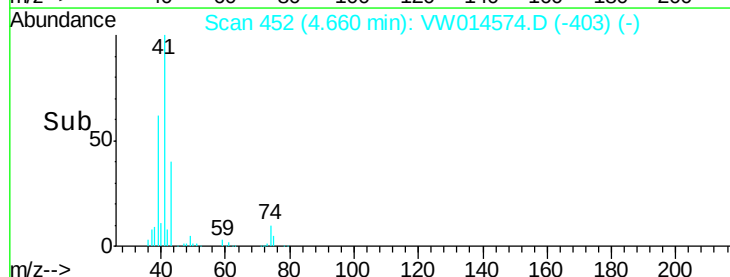
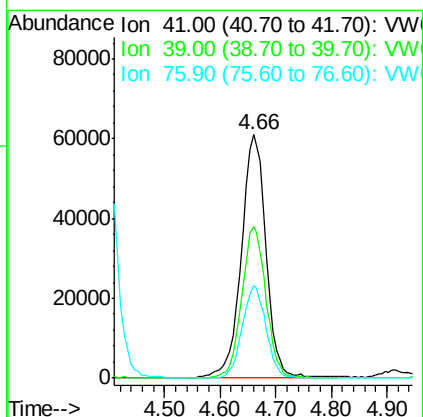
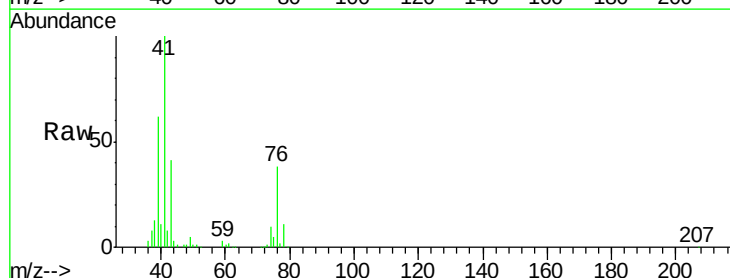
Tgt Ion: 41 Resp: 188795

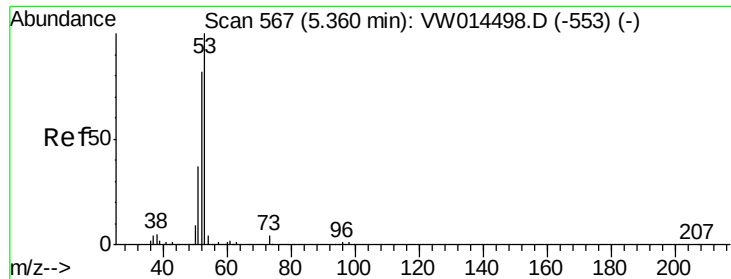
Ion Ratio Lower Upper

41 100

39 61.0 48.5 72.7

76 36.4 28.1 42.1





#15

Acrylonitrile

Concen: 106.681 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

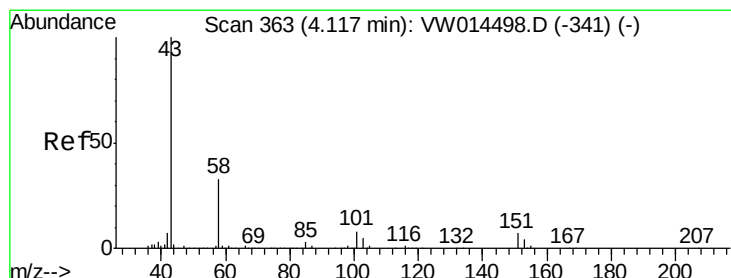
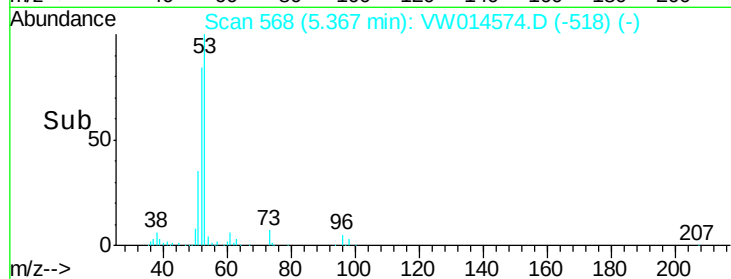
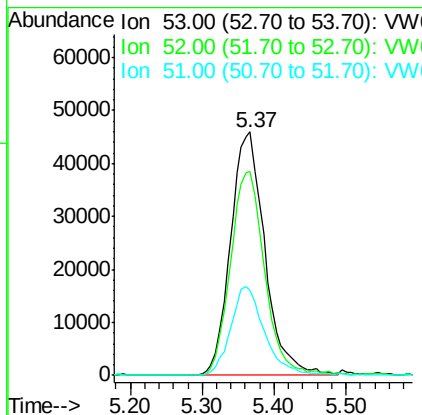
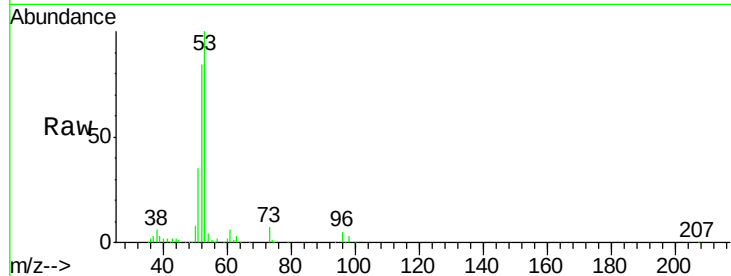
ClientSampleId :

VW0109SBS01

Tot Ion:	53	Resp:	152375
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.5	99.7
51	35.9	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM



#16

Acetone

Concen: 99.619 ug/l

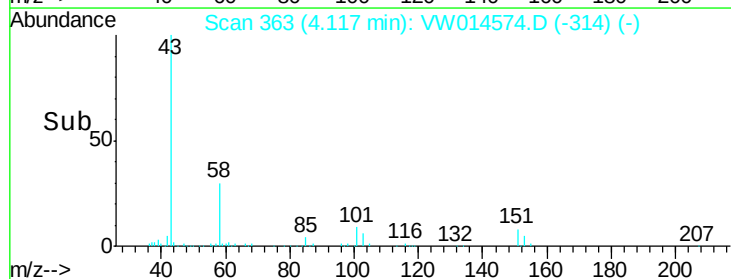
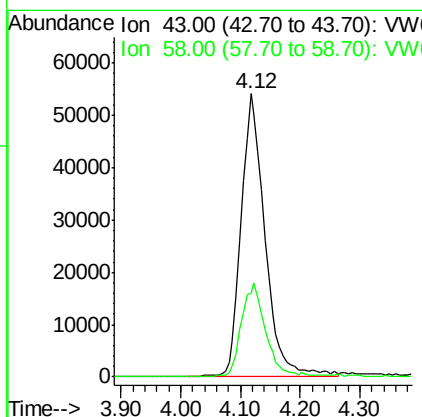
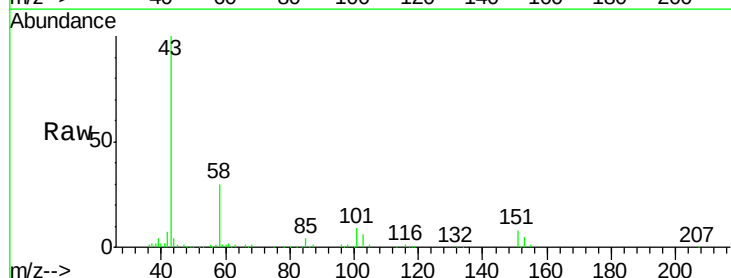
RT: 4.12 min Scan# 363

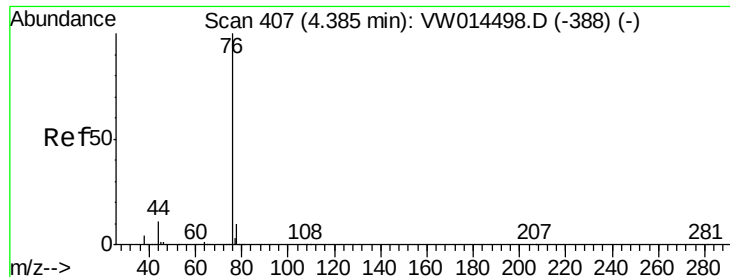
Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Tgt Ion:	43	Resp:	151867
Ion Ratio	Lower	Upper	
43	100		
58	29.6	26.6	39.8





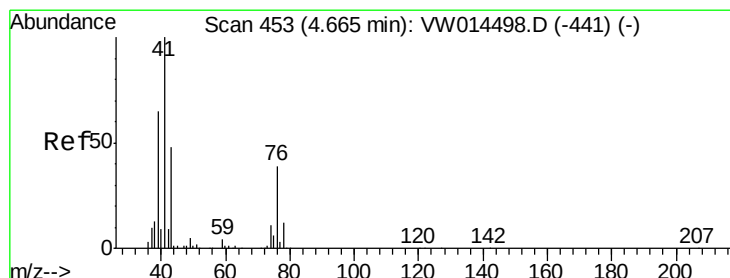
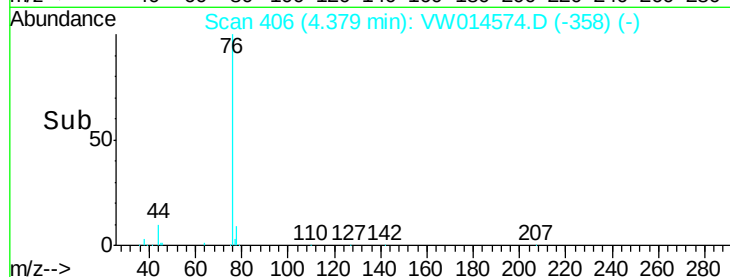
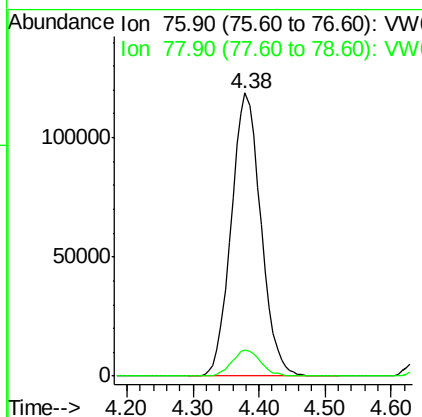
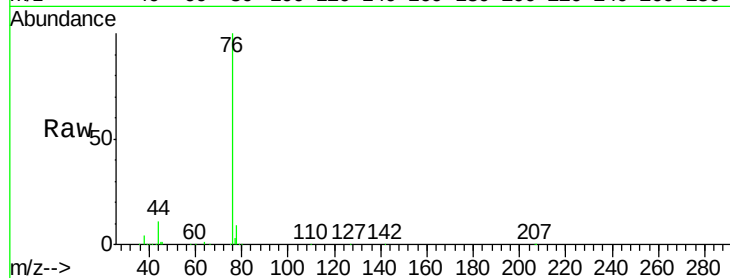
#17
Carbon Disulfide
Concen: 19.950 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.8	11.6

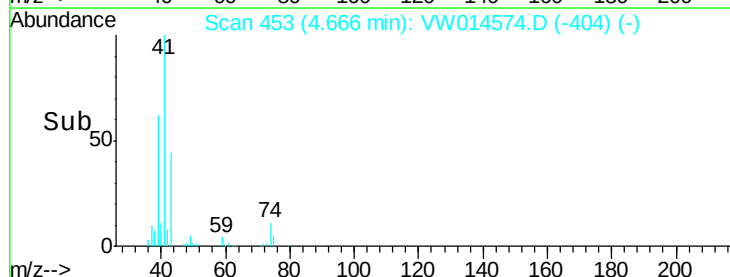
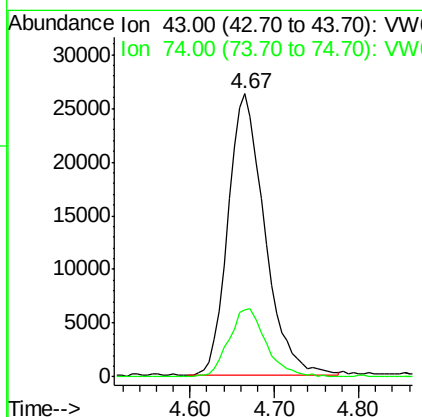
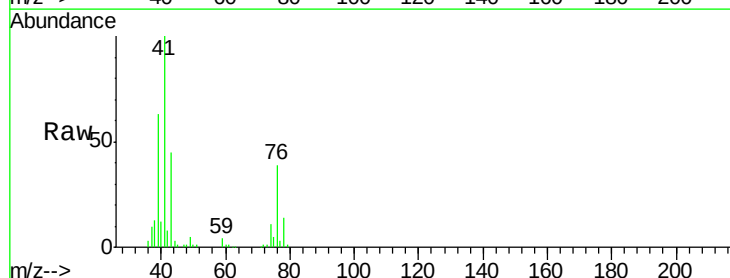
Manual Integrations
APPROVED

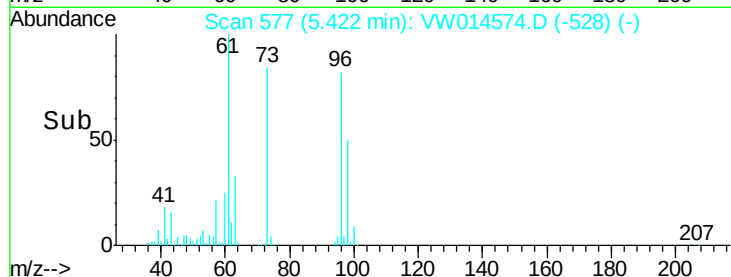
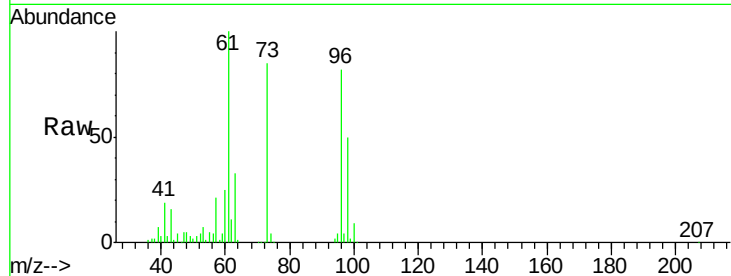
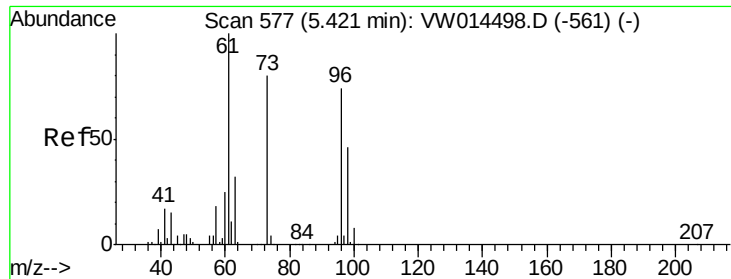
MMDadoda
1/10/2020 10:40:52 AM



#18
Methyl Acetate
Concen: 20.945 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.3	28.9





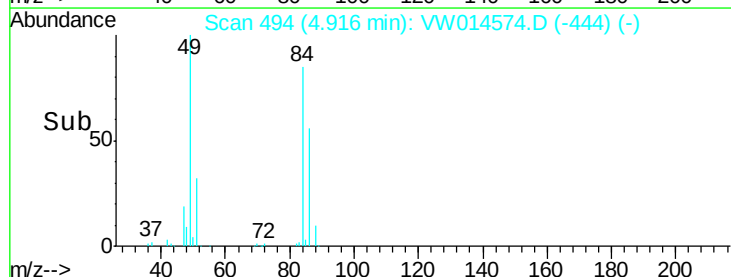
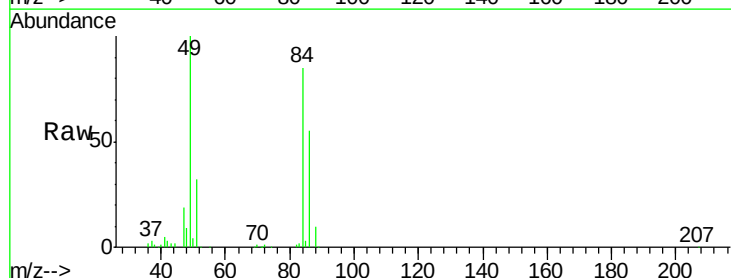
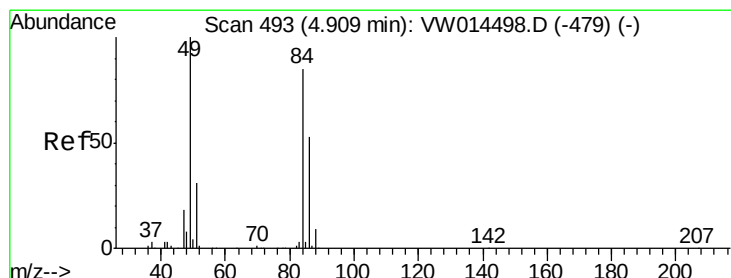
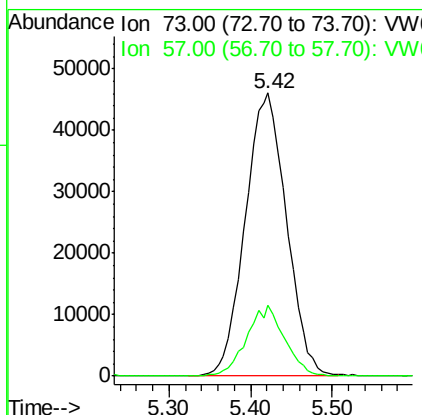
#19
Methyl tert-butyl Ether
Concen: 21.194 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tot Ion: 73 Resp: 161667
Ion Ratio Lower Upper
73 100
57 24.9 18.1 27.1

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

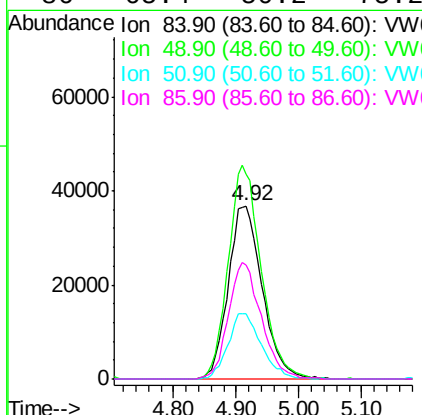
Manual Integrations
APPROVED

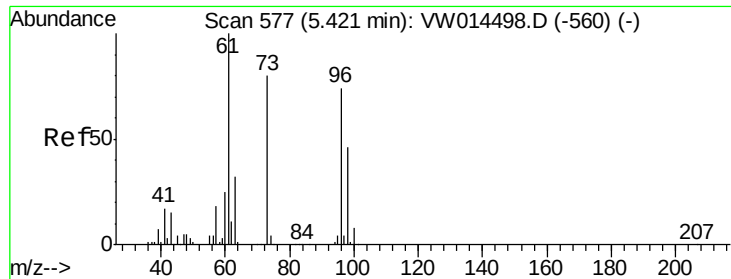
MMDadoda
1/10/2020 10:40:52 AM



#20
Methylene Chloride
Concen: 19.677 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion: 84 Resp: 138226
Ion Ratio Lower Upper
84 100
49 117.9 94.4 141.6
51 37.3 29.5 44.3
86 65.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.689 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

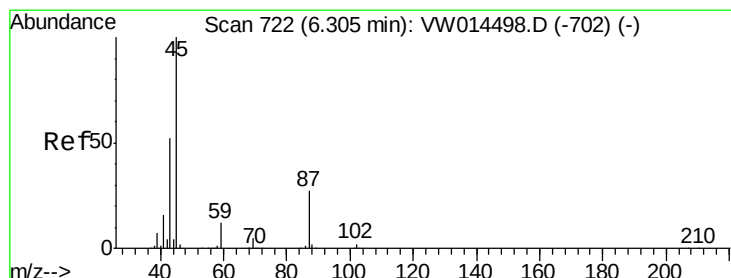
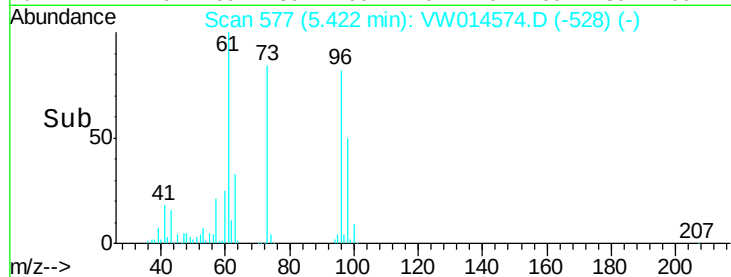
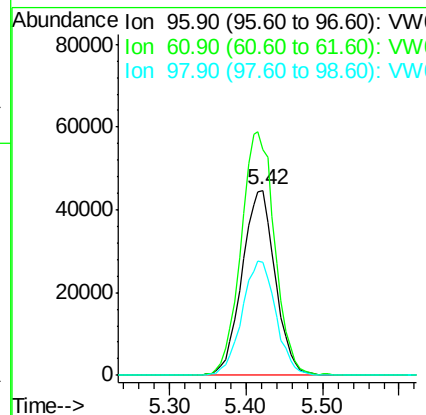
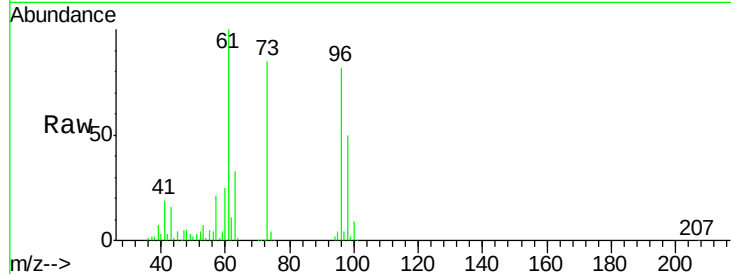
ClientSampleId :

VW0109SBS01

Tot Ion:	96	Resp:	134995
Ion	Ratio	Lower	Upper
96	100		
61	121.7	107.8	161.6
98	61.1	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM



#22

Diisopropyl ether

Concen: 20.102 ug/l

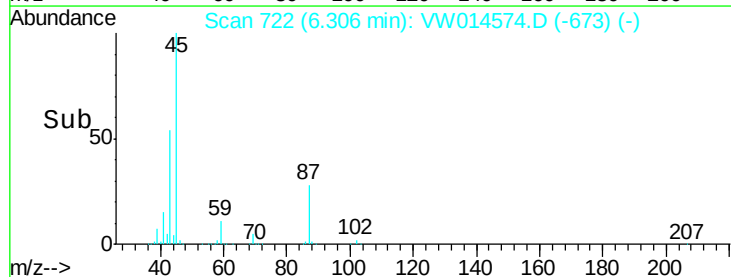
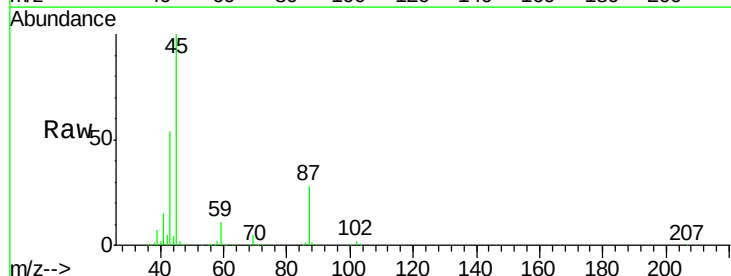
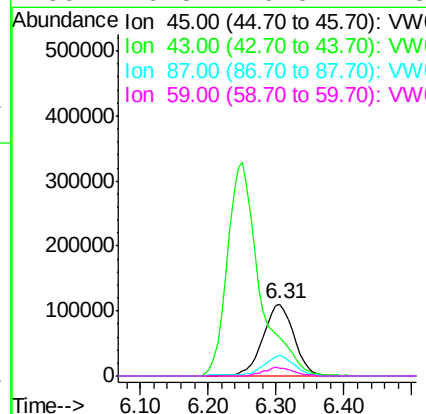
RT: 6.31 min Scan# 722

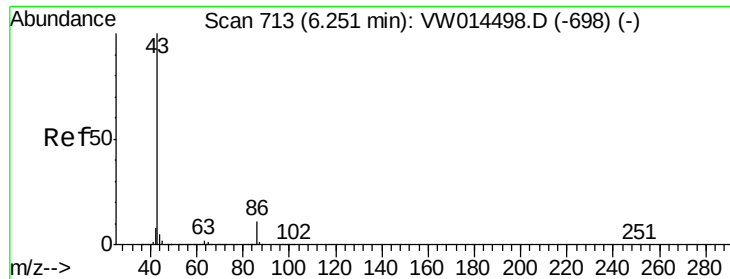
Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Tgt Ion:	45	Resp:	353332
Ion	Ratio	Lower	Upper
45	100		
43	53.9	41.4	62.0
87	27.4	22.2	33.2
59	10.8	9.5	14.3





#23

Vinyl Acetate

Concen: 101.616 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 43 Resp: 1078549

Ion Ratio Lower Upper

43 100

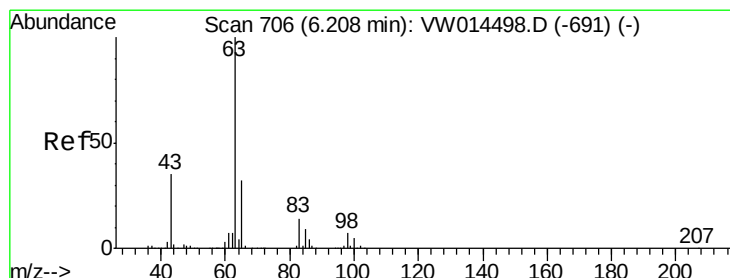
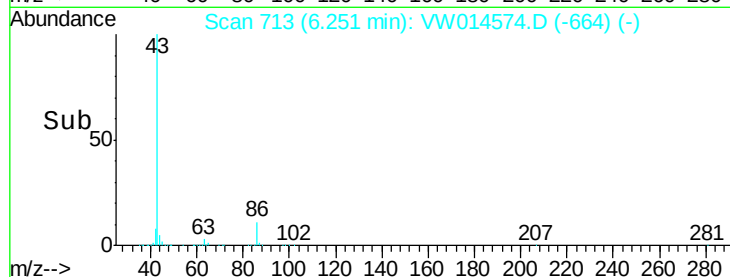
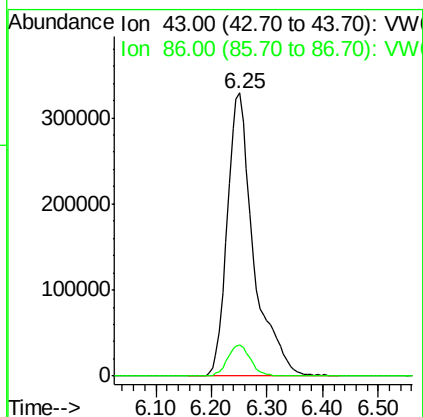
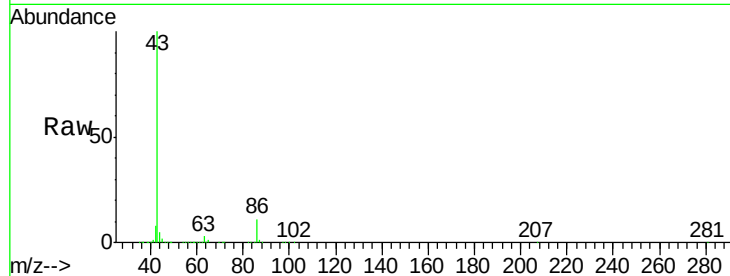
86 11.0 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:52 AM



#24

1,1-Dichloroethane

Concen: 20.181 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

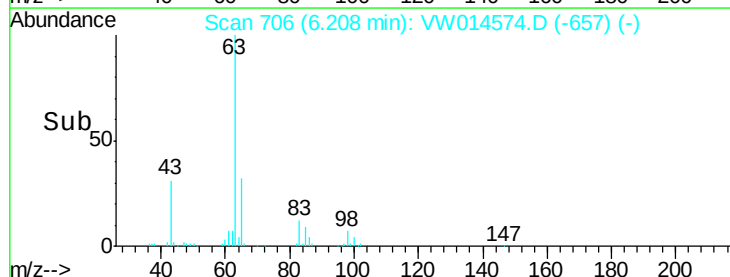
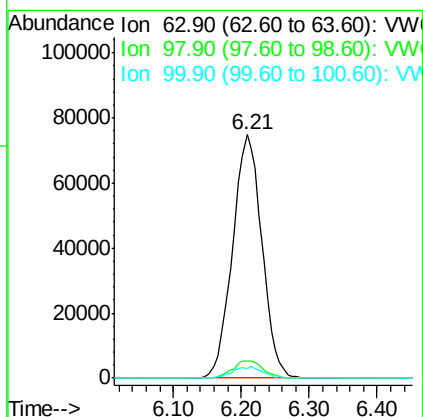
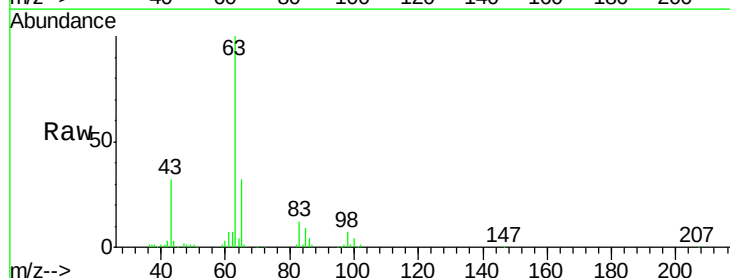
Tgt Ion: 63 Resp: 223754

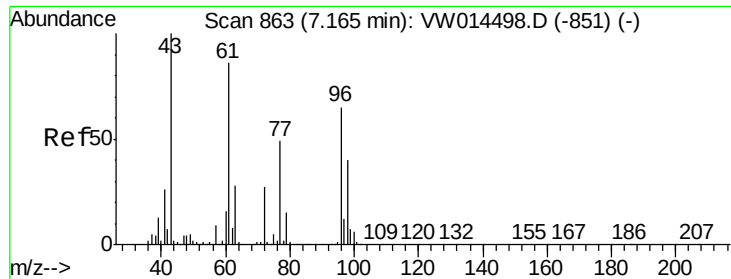
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.0 2.5 7.4





#25

2-Butanone

Concen: 103.252 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 43 Resp: 202002

Ion Ratio Lower Upper

43 100

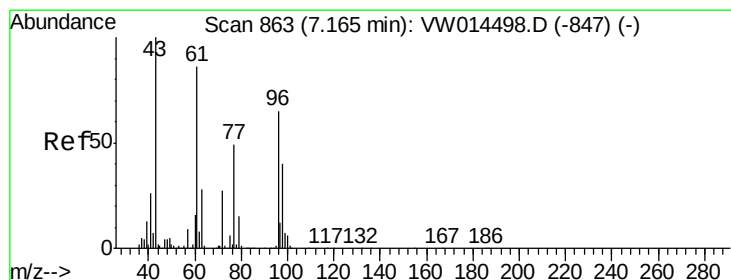
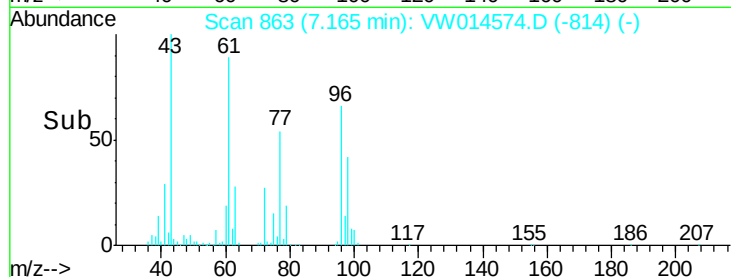
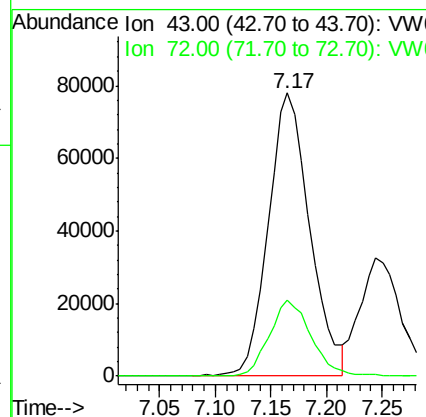
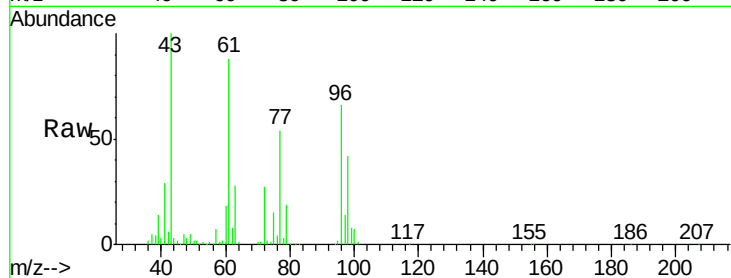
72 26.9 21.9 32.9

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:40:52 AM



#26

2,2-Dichloropropane

Concen: 20.830 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014574.D

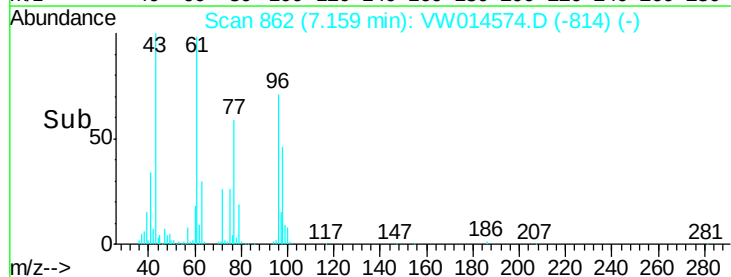
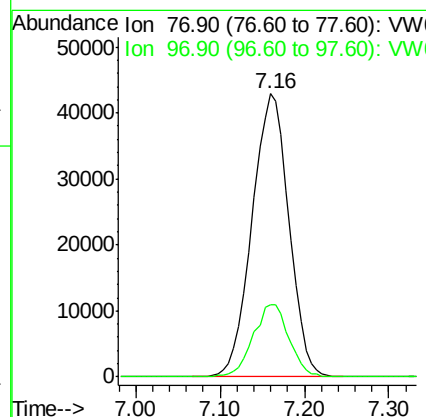
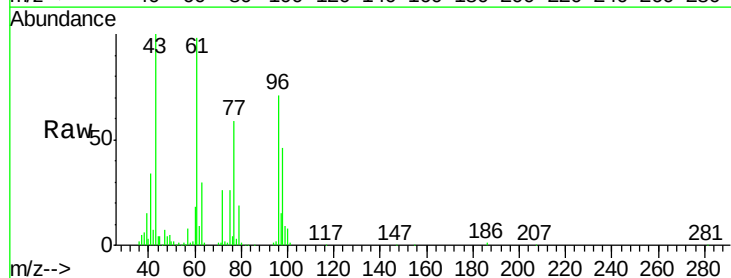
Acq: 09 Jan 2020 11:40

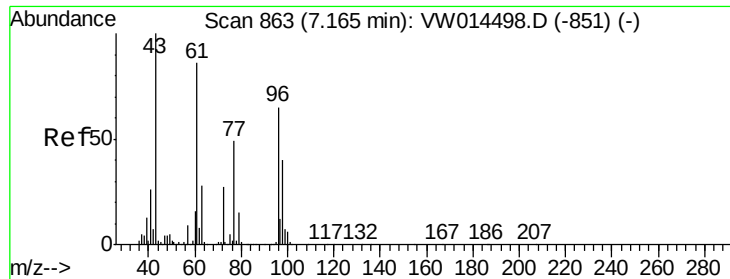
Tgt Ion: 77 Resp: 127865

Ion Ratio Lower Upper

77 100

97 24.9 12.5 37.5





#27

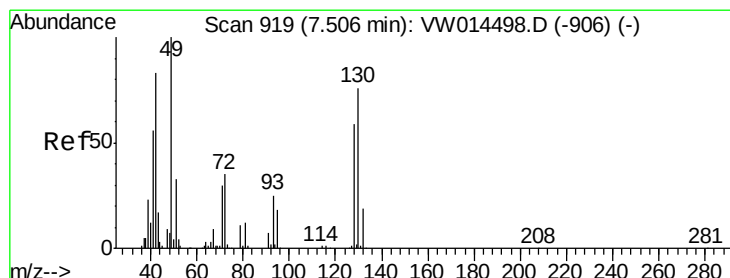
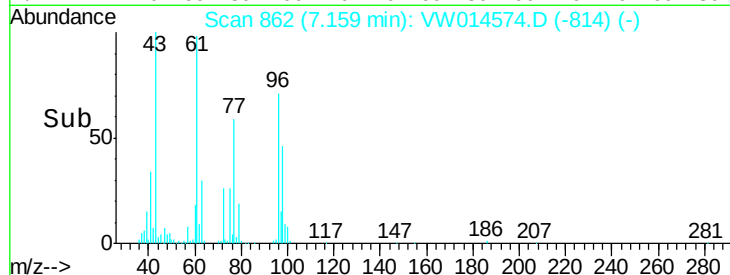
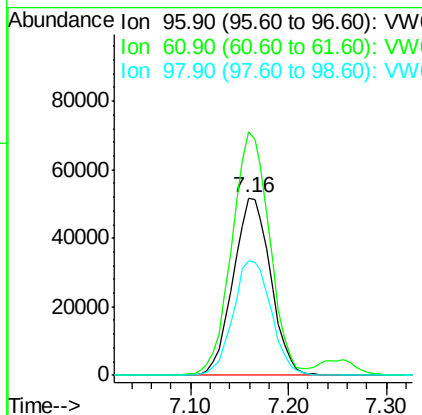
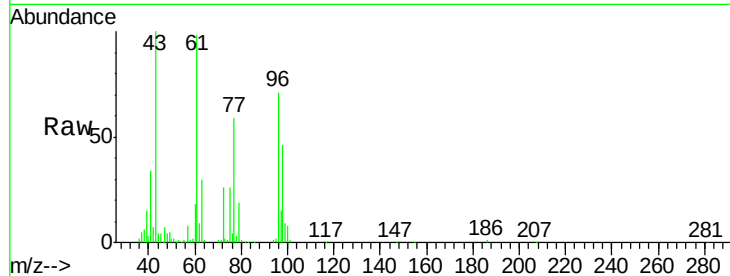
cis-1,2-Dichloroethene
Concen: 20.081 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	274.8
98	65.4	0.0	128.6

Manual Integrations
APPROVED

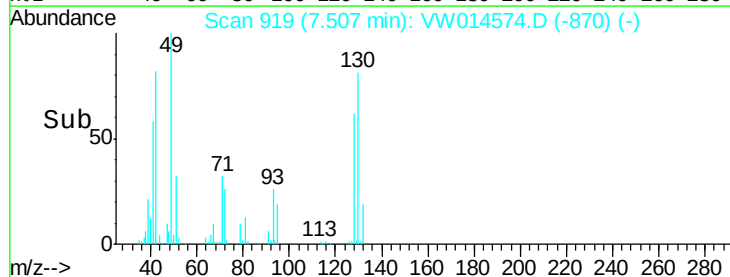
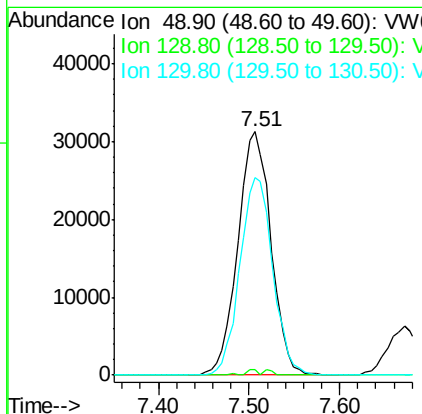
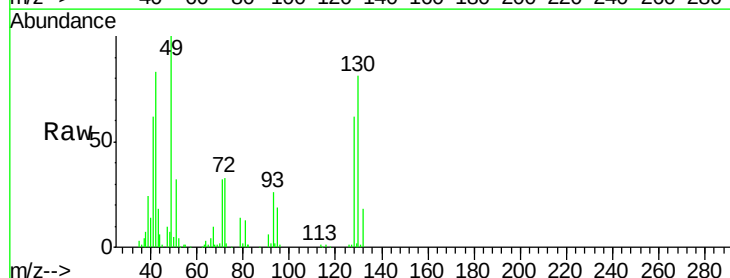
MMDadoda
1/10/2020 10:40:52 AM

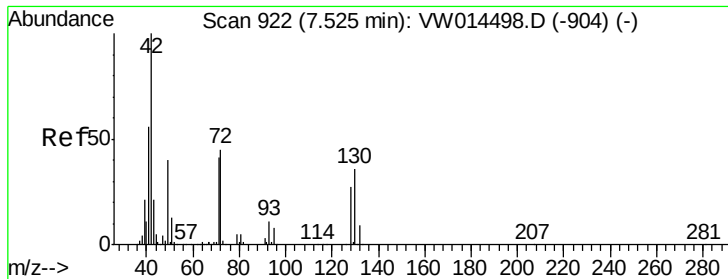


#28

Bromochloromethane
Concen: 18.243 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.0
130	80.3	62.5	93.7





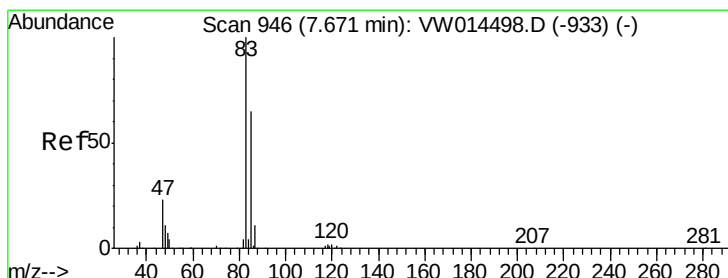
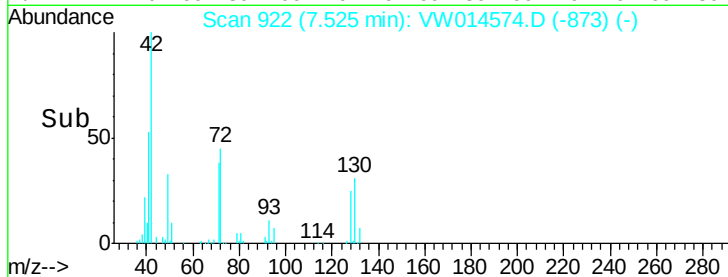
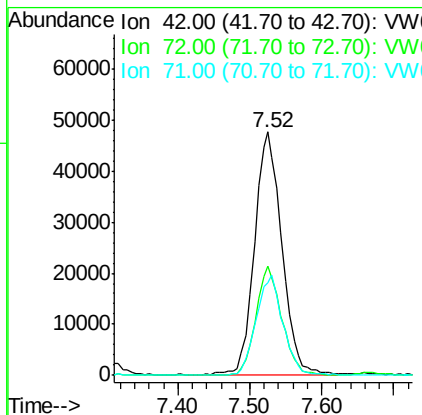
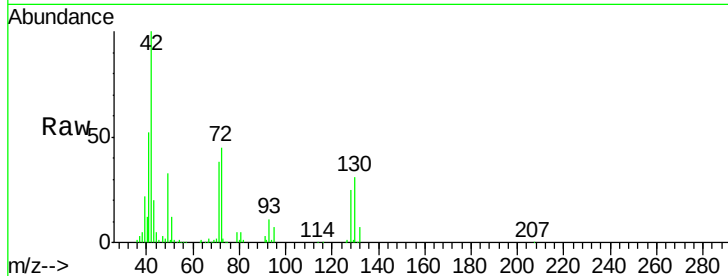
#29
Tetrahydrofuran
Concen: 103.216 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.5	51.7
71	40.6	32.0	48.0

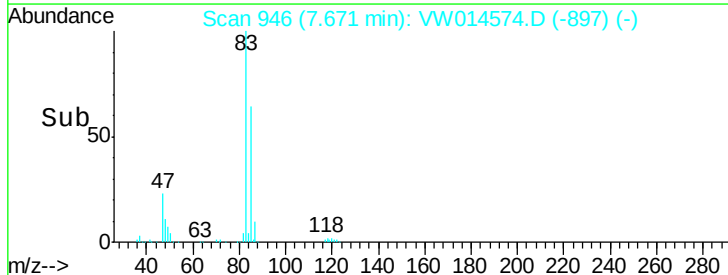
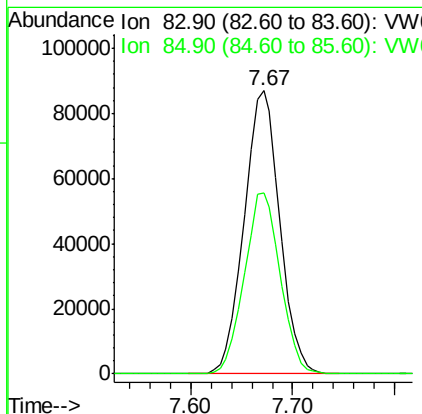
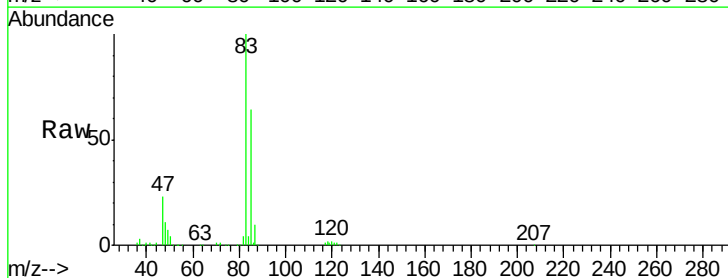
Manual Integrations
APPROVED

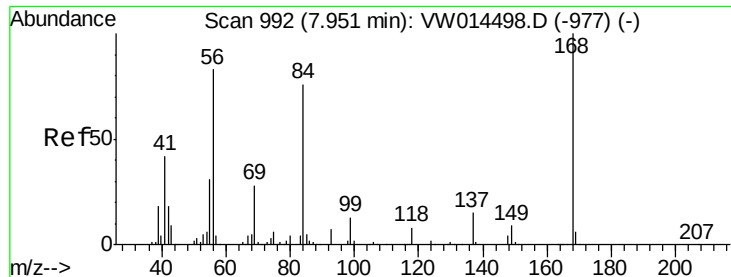
MMDadoda
1/10/2020 10:40:52 AM



#30
Chloroform
Concen: 20.356 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.2





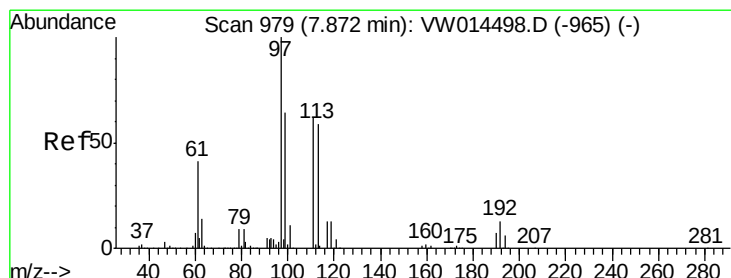
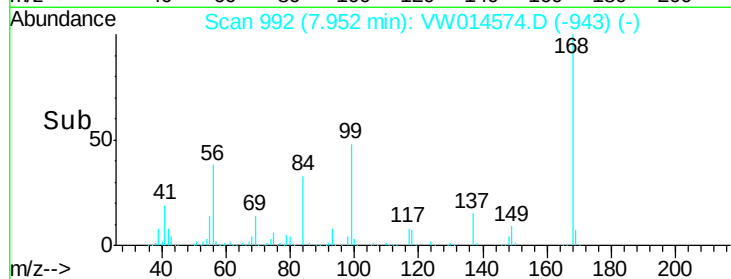
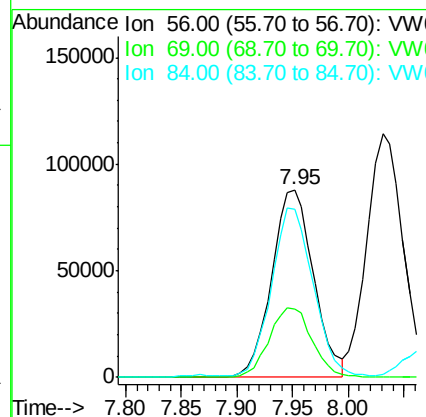
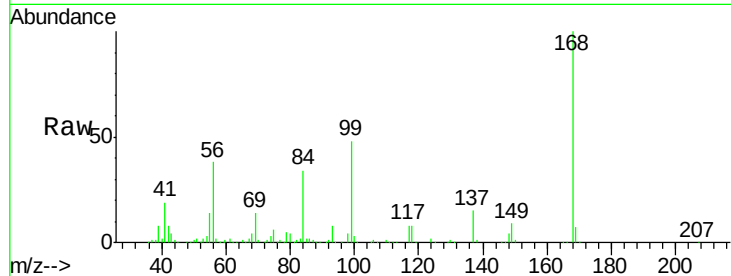
#31
Cyclohexane
Concen: 19.927 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampled :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	26.8	40.2
84	88.5	71.8	107.6

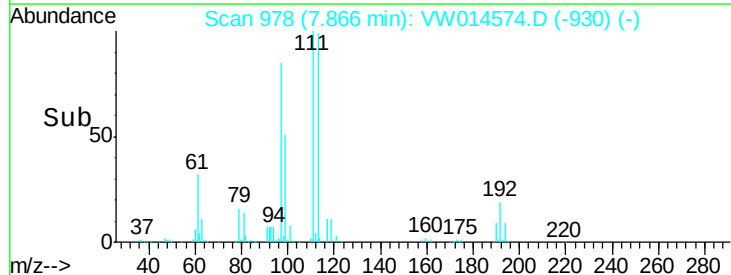
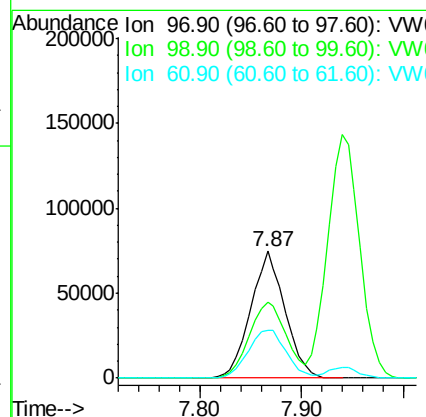
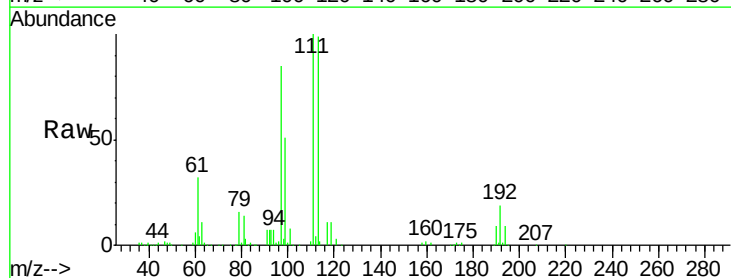
Manual Integrations
APPROVED

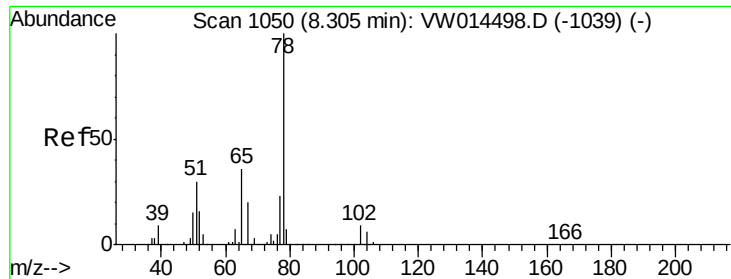
MMDadoda
1/10/2020 10:40:52 AM



#32
1,1,1-Trichloroethane
Concen: 20.931 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	42.6	33.8	50.8





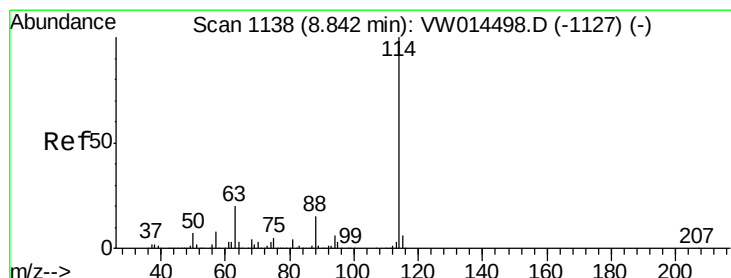
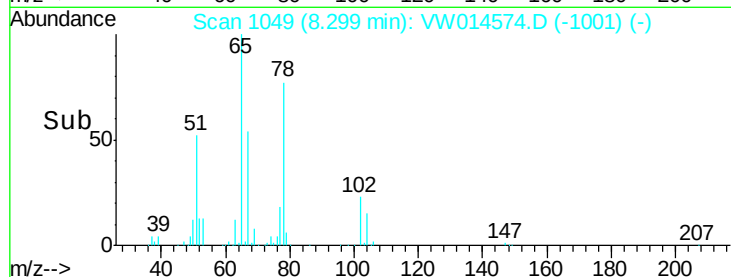
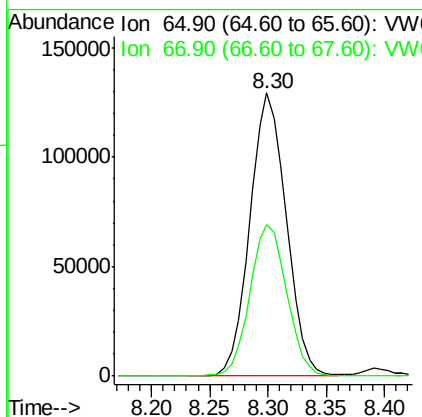
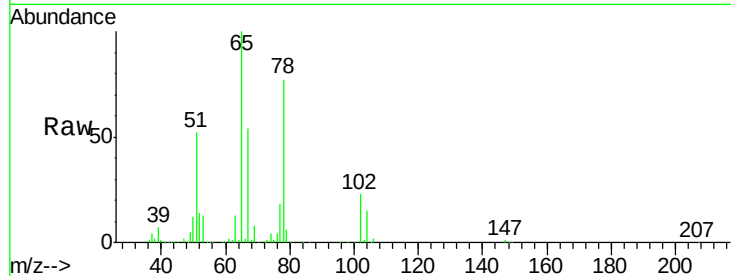
#33
 1,2-Dichloroethane-d4
 Concen: 51.961 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Instrument :
 MSVOA_W
 ClientSampled :
 VW0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	280532		
67	54.3	0.0	108.4	

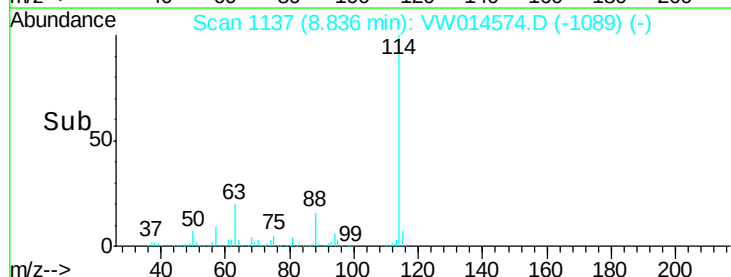
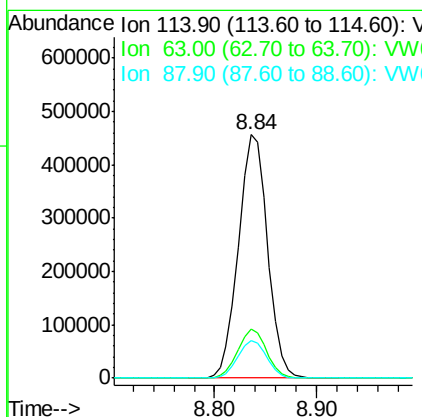
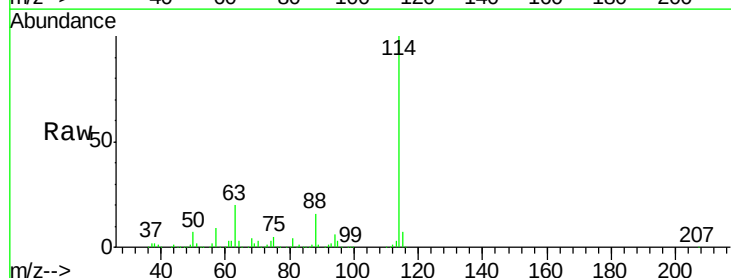
Manual Integrations
 APPROVED

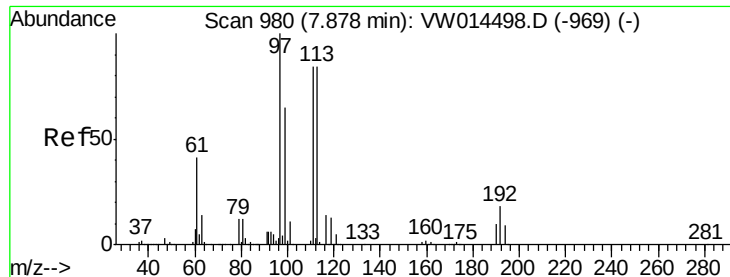
MMDadoda
 1/10/2020 10:40:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	904305		
63	20.4	0.0	40.4	
88	15.6	0.0	30.6	





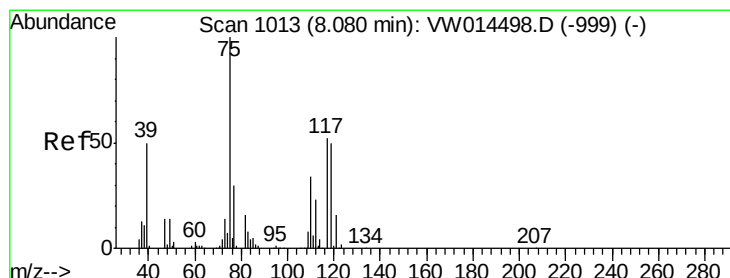
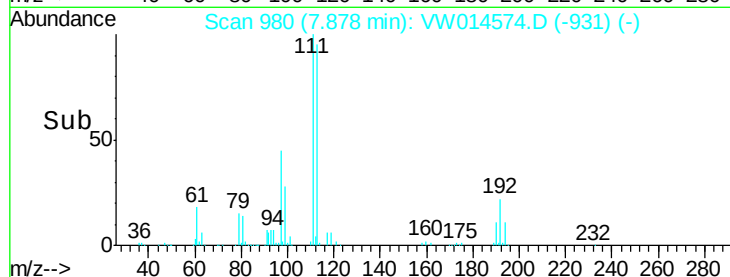
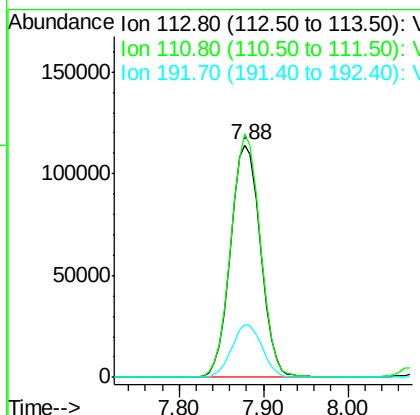
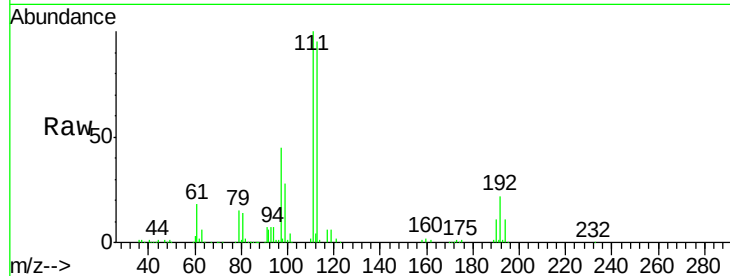
#35
 Dibromofluoromethane
 Concen: 53.330 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	275625		
111	102.5		81.4	122.2
192	22.7		17.8	26.8

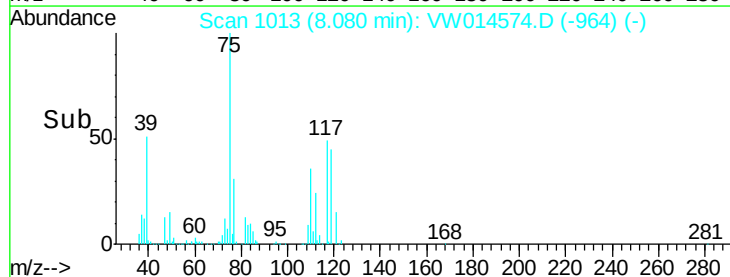
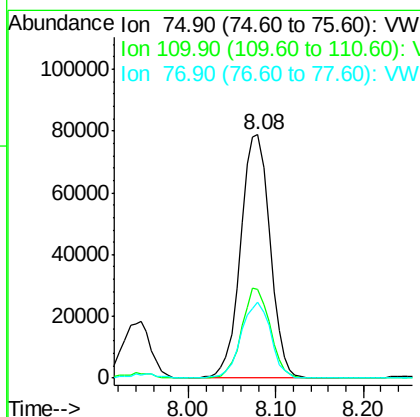
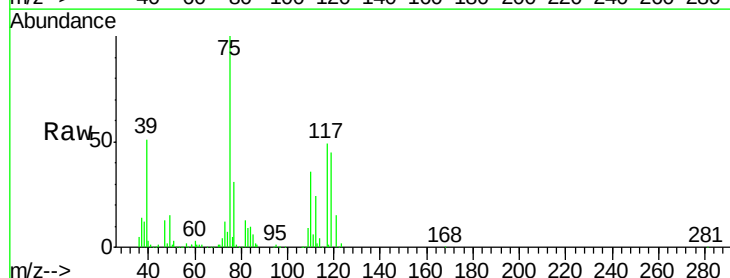
Manual Integrations
 APPROVED

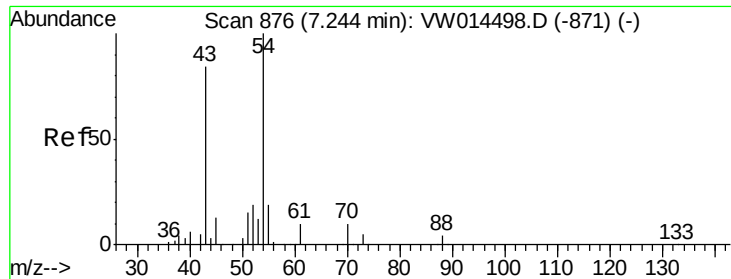
MMDadoda
 1/10/2020 10:40:52 AM



#36
 1,1-Dichloropropene
 Concen: 21.100 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	183950		
110	35.8		17.8	53.5
77	31.2		24.7	37.1





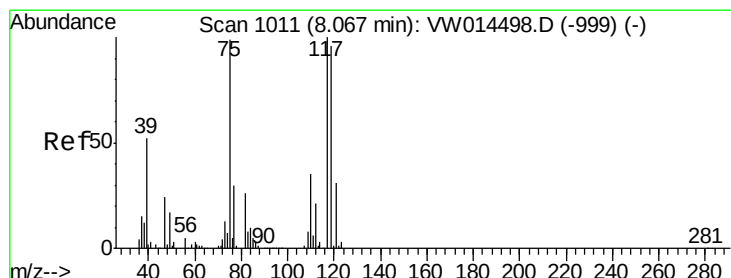
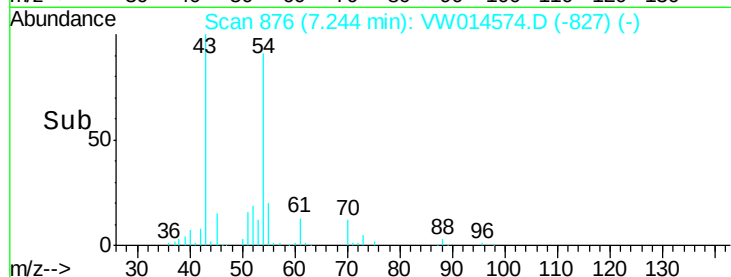
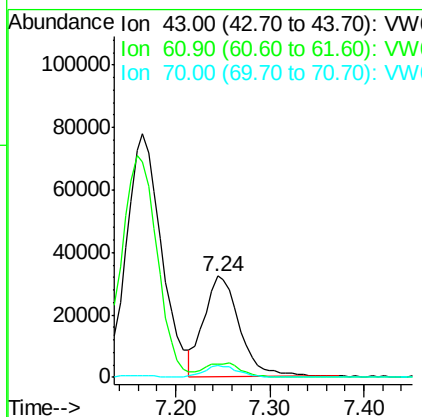
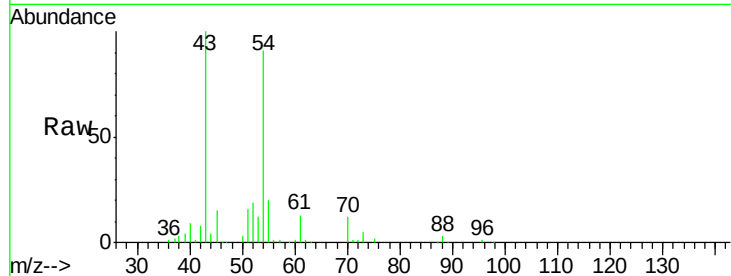
#37
Ethyl Acetate
Concen: 21.199 ug/l
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.7	17.5
70	11.8	9.0	13.6

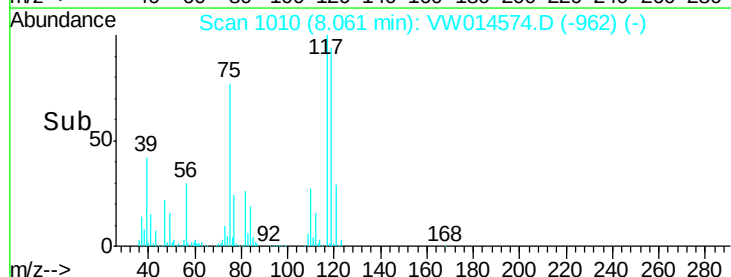
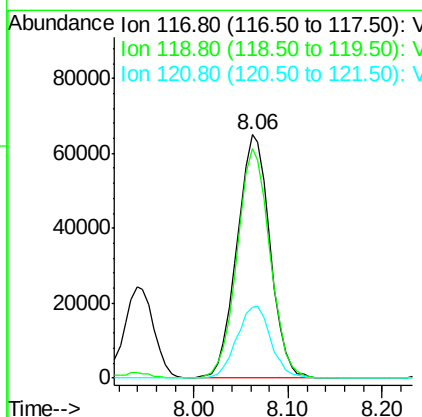
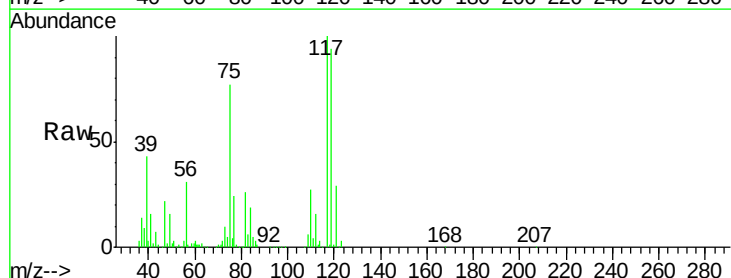
Manual Integrations
APPROVED

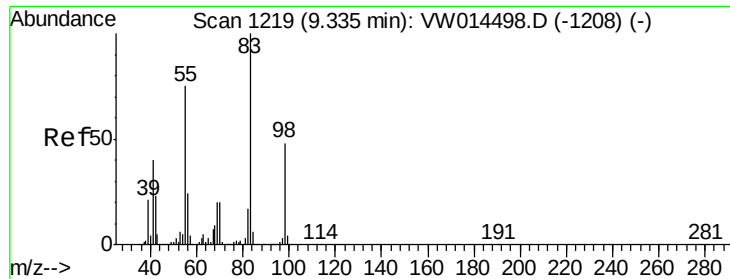
MMDadoda
1/10/2020 10:40:52 AM



#38
Carbon Tetrachloride
Concen: 21.042 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.6
121	29.0	24.6	36.8





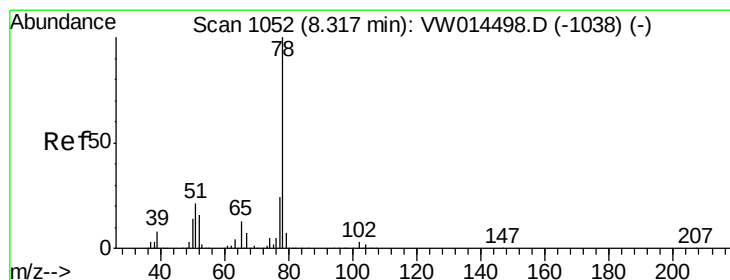
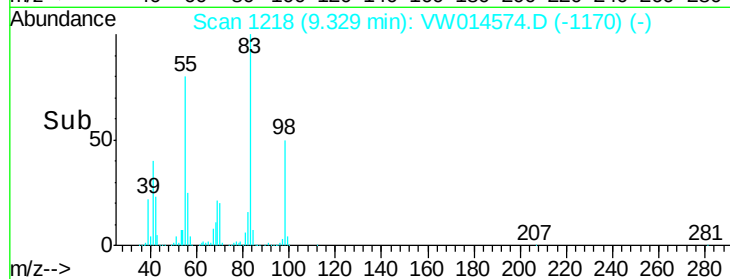
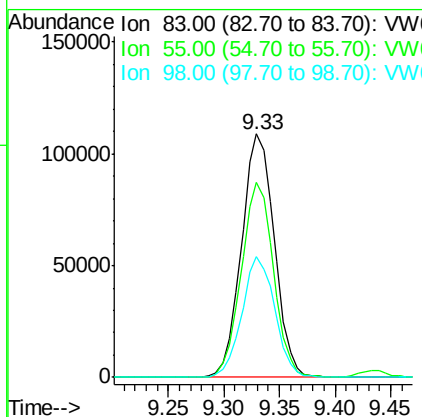
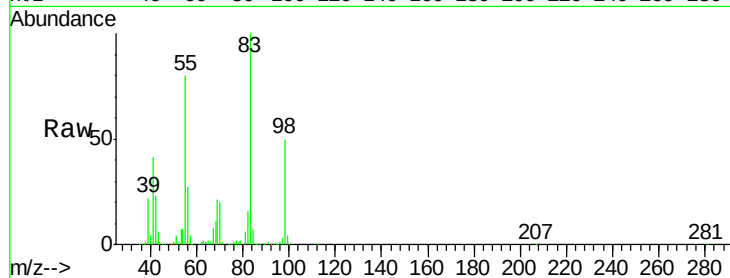
#39
Methylvlcyclohexane
Concen: 19.968 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	223396		
55	80.1		60.1	90.1
98	49.5		38.8	58.2

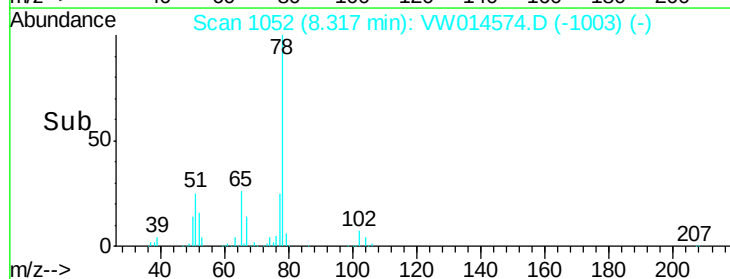
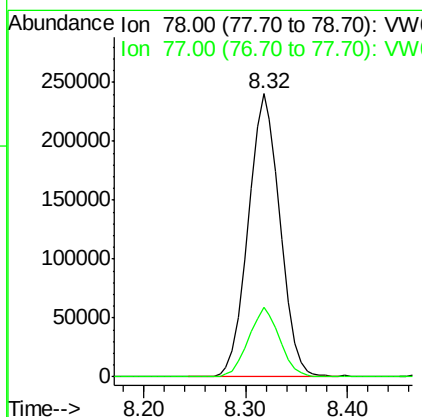
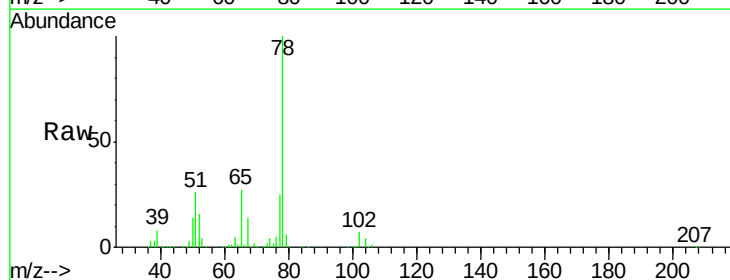
Manual Integrations
APPROVED

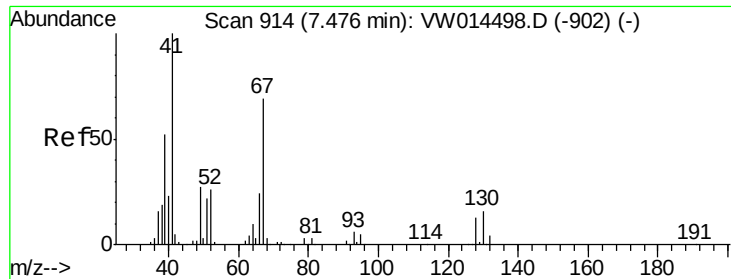
MMDadoda
1/10/2020 10:40:52 AM



#40
Benzene
Concen: 21.106 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	520613		
77	24.6		19.3	28.9





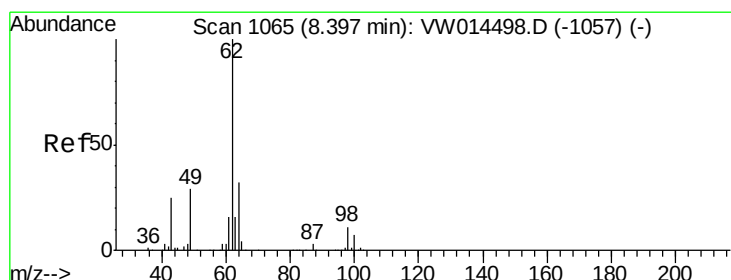
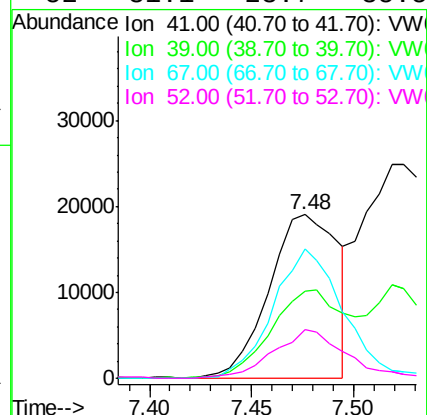
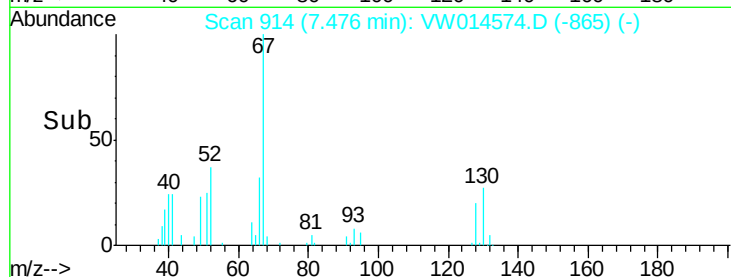
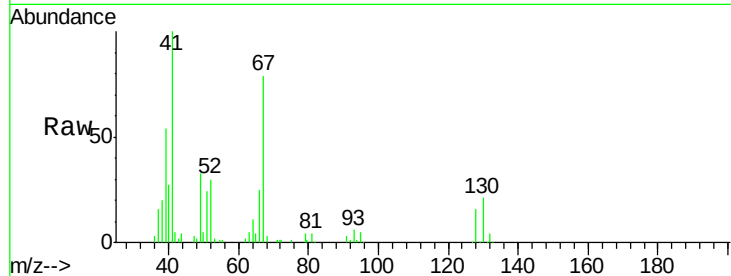
#41
Methacrylonitrile
Concen: 20.369 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampled :
VW0109SBS01

Tot Ion:	41	Resp:	44893
Ion	Ratio	Lower	Upper
41	100		
39	58.1	46.0	69.0
67	80.8	60.8	91.2
52	31.1	23.7	35.5

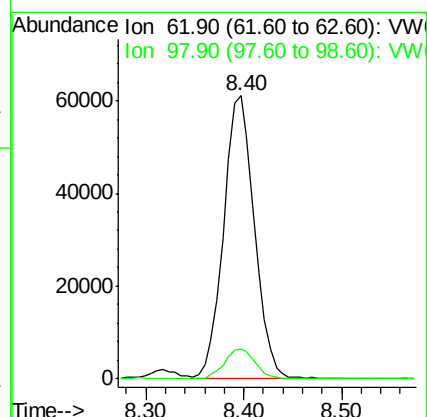
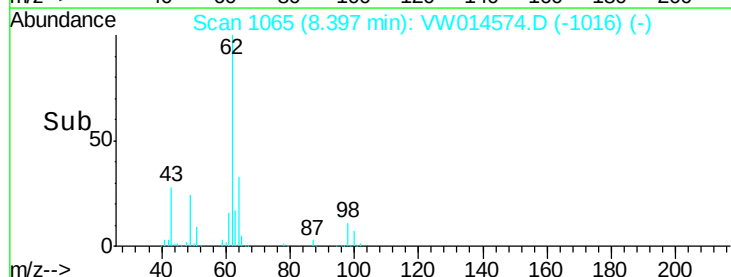
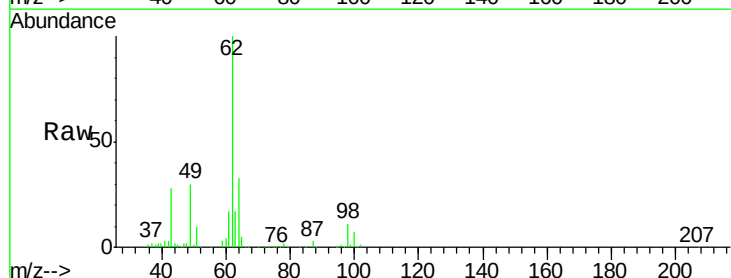
Manual Integrations
APPROVED

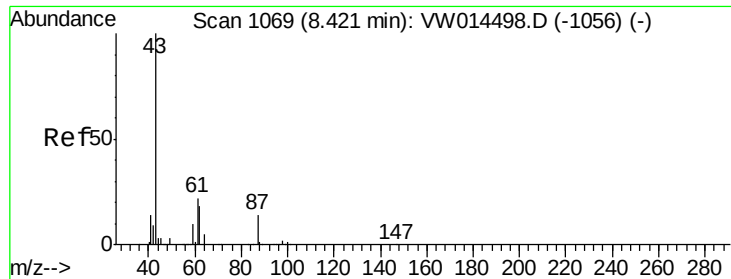
MMDadoda
1/10/2020 10:40:52 AM



#42
1,2-Dichloroethane
Concen: 20.865 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion:	62	Resp:	133558
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.0





#43

Isopropyl Acetate

Concen: 21.065 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

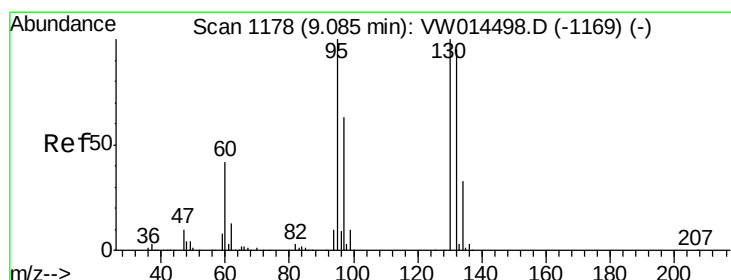
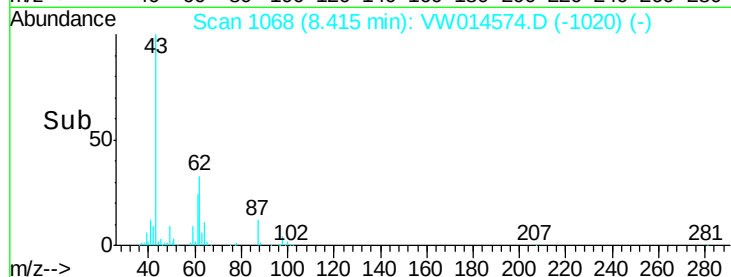
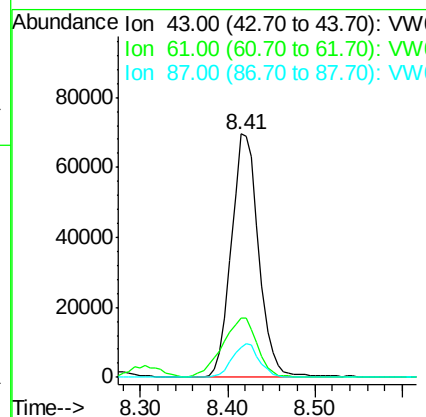
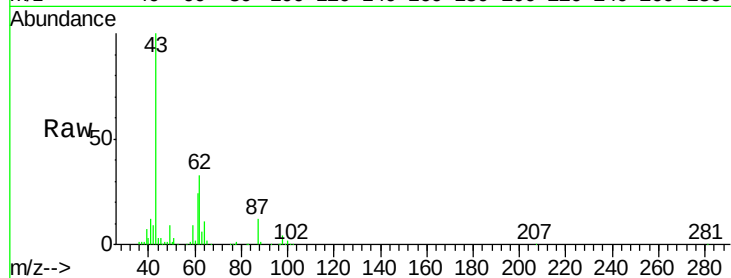
ClientSampleId :

VW0109SBS01

Tot Ion:	43	Resp:	151240
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.7	37.1
87	13.5	11.1	16.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM



#44

Trichloroethene

Concen: 21.074 ug/l

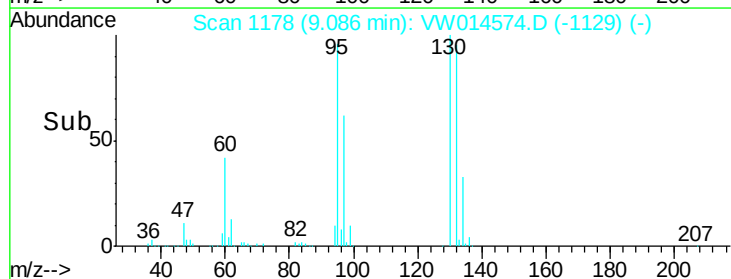
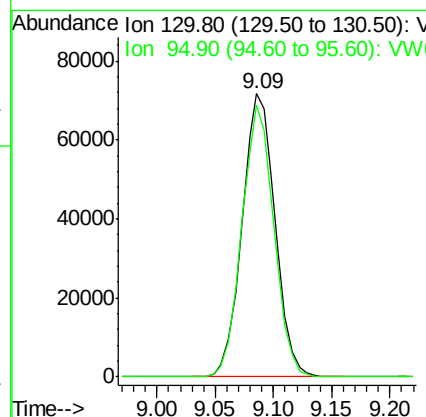
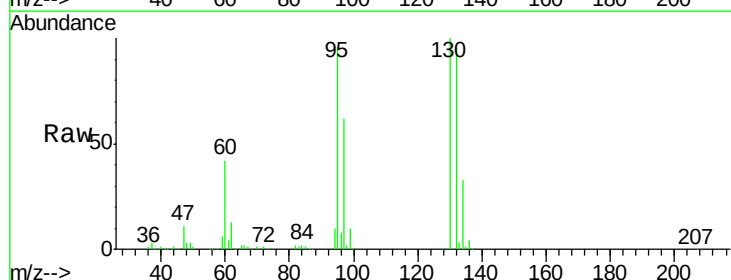
RT: 9.09 min Scan# 1178

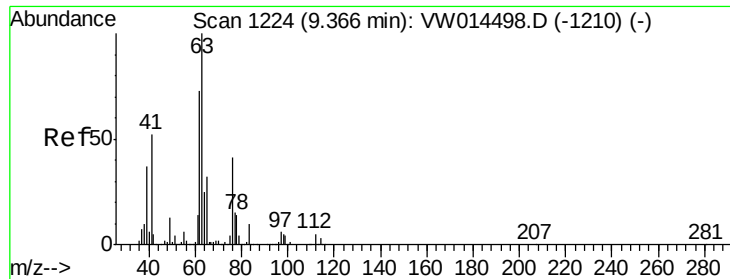
Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Tgt Ion:	130	Resp:	140656
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	199.4





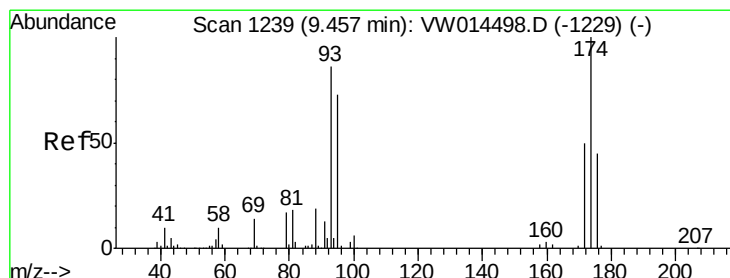
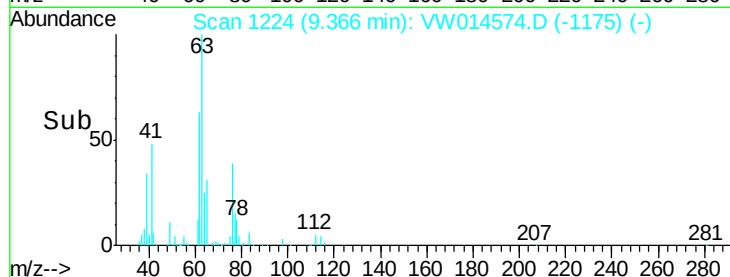
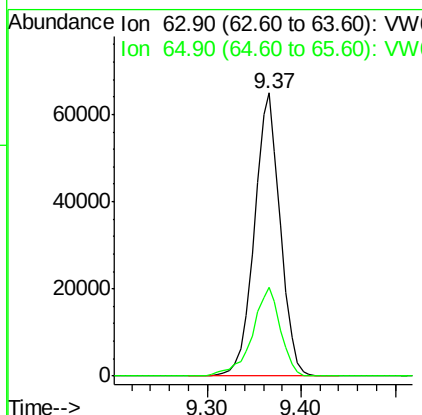
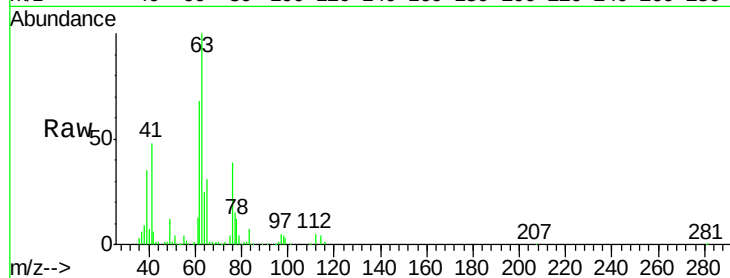
#45
 1,2-Dichloropropane
 Concen: 20.646 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.6	38.4

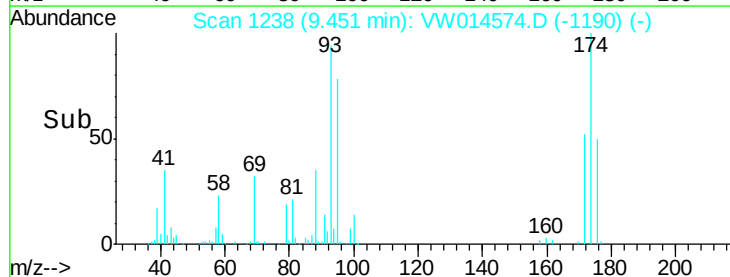
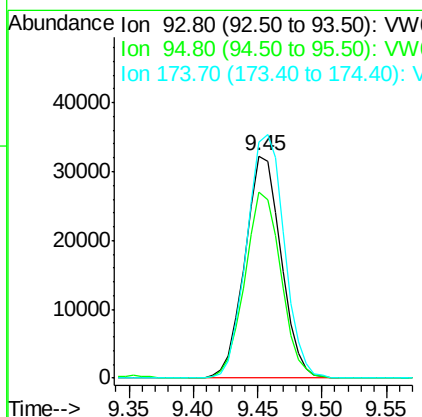
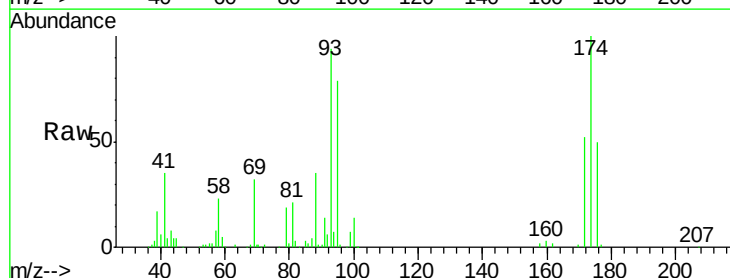
Manual Integrations
 APPROVED

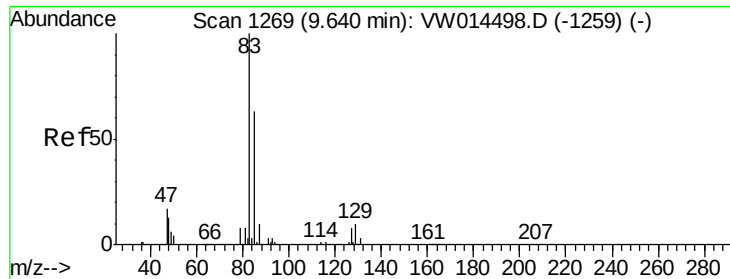
MMDadoda
 1/10/2020 10:40:52 AM



#46
 Dibromomethane
 Concen: 20.967 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.4	99.6
174	113.9	89.1	133.7





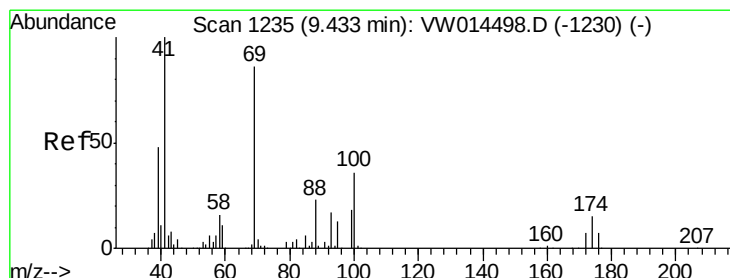
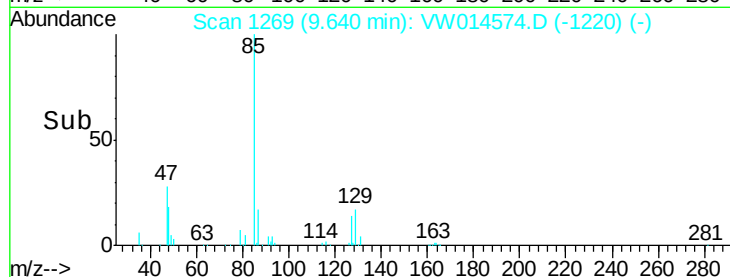
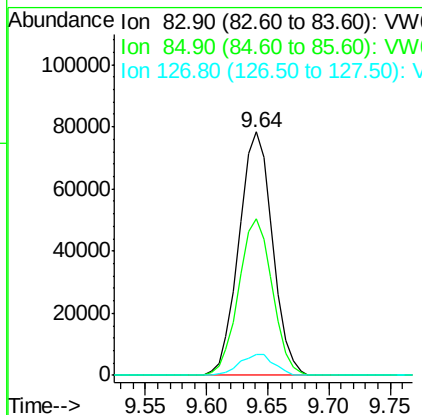
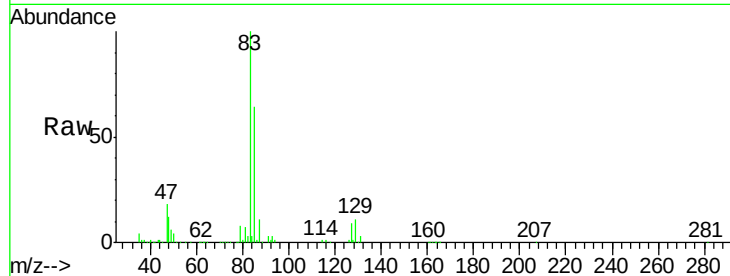
#47
Bromodichloromethane
Concen: 20.278 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	8.8	6.6	9.8

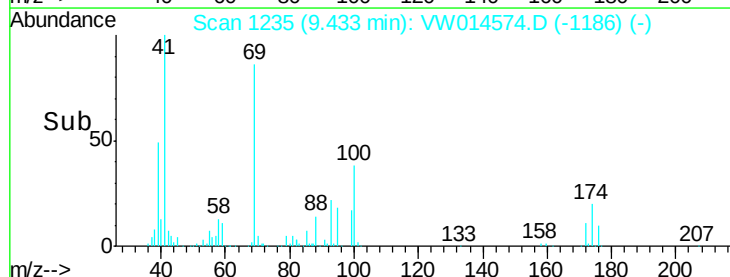
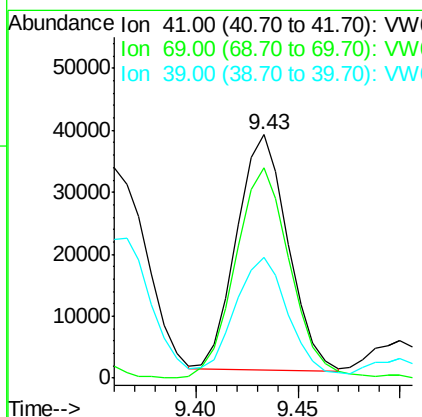
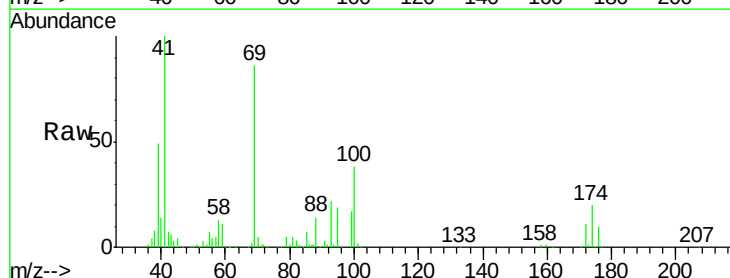
Manual Integrations
APPROVED

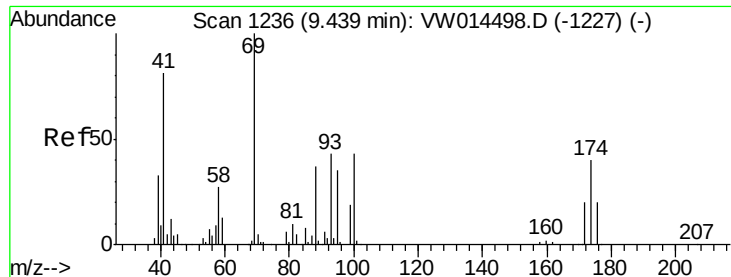
MMDadoda
1/10/2020 10:40:52 AM



#48
Methyl methacrylate
Concen: 18.893 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.1	68.3	102.5
39	50.1	36.8	55.2





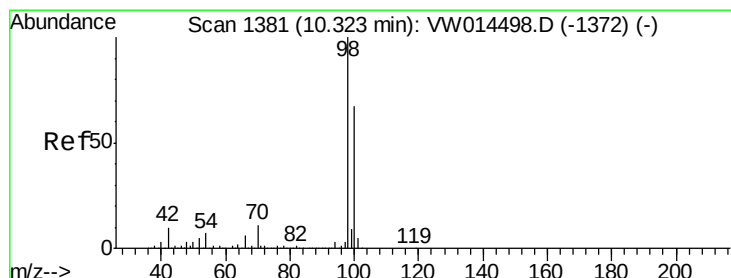
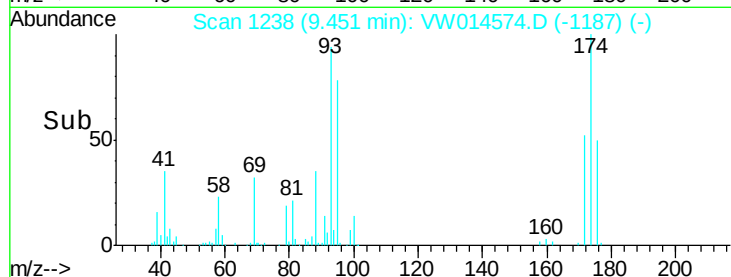
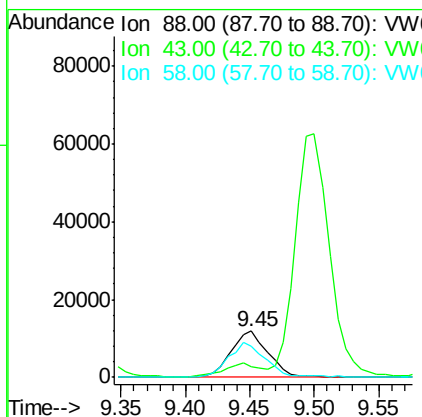
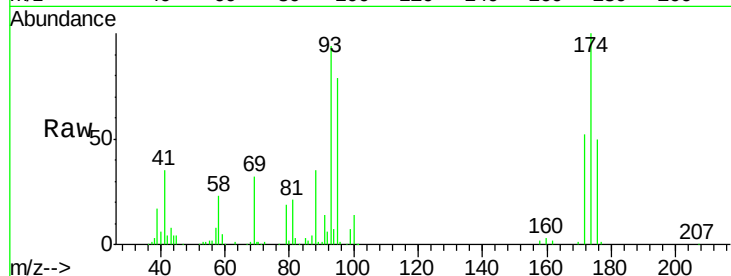
#49
1,4-Dioxane
Concen: 427.734 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.9	37.3
58	78.0	56.9	85.3

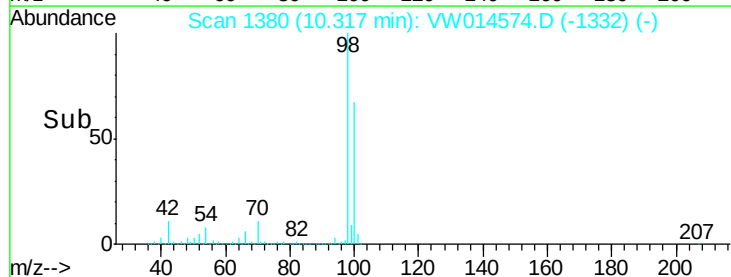
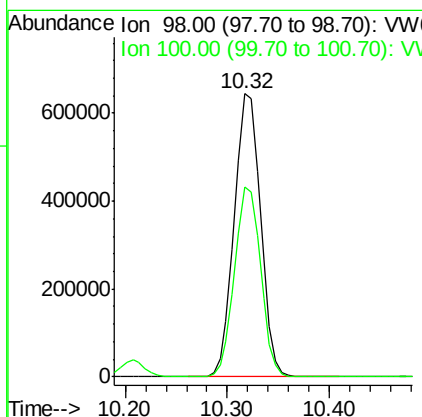
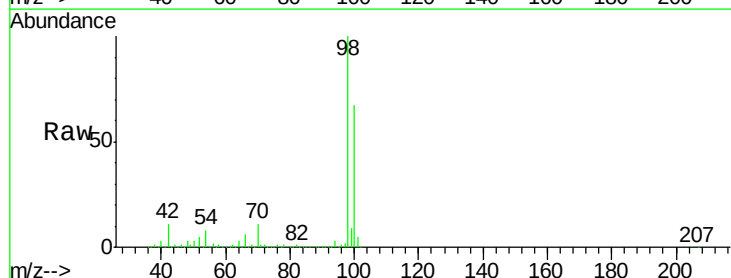
Manual Integrations
APPROVED

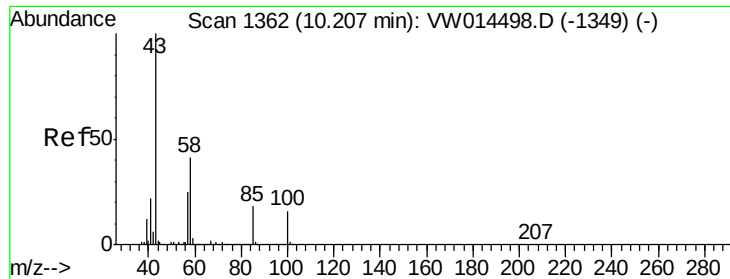
MMDadoda
1/10/2020 10:40:52 AM



#50
Toluene-d8
Concen: 53.315 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.8	80.6





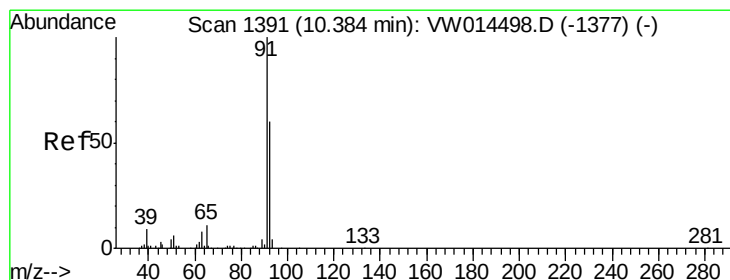
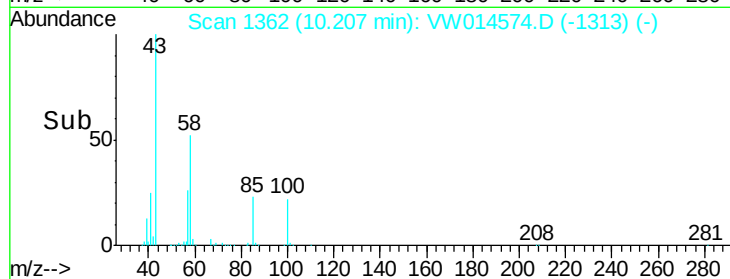
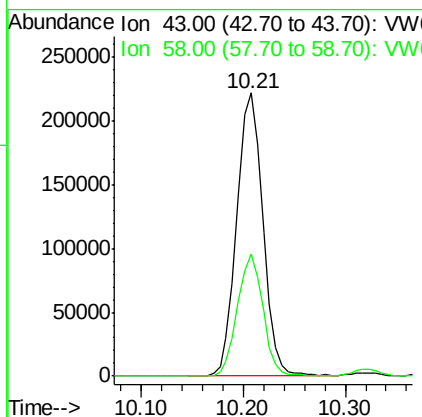
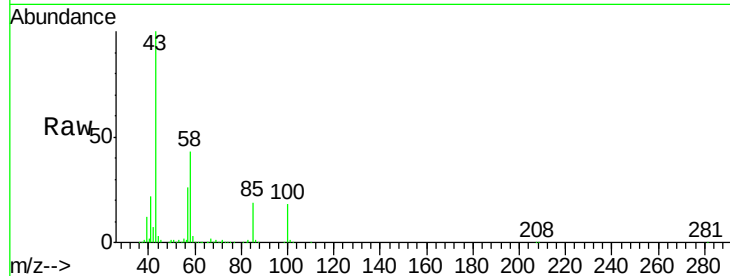
#51
4-Methyl-2-Pentanone
Concen: 105.701 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	43	58	Ratio	Lower	Upper
394104	100	41.9		32.7	49.1

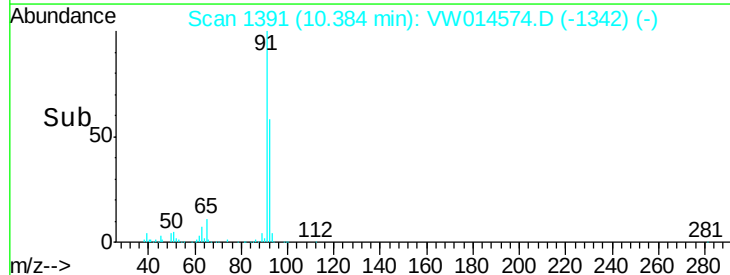
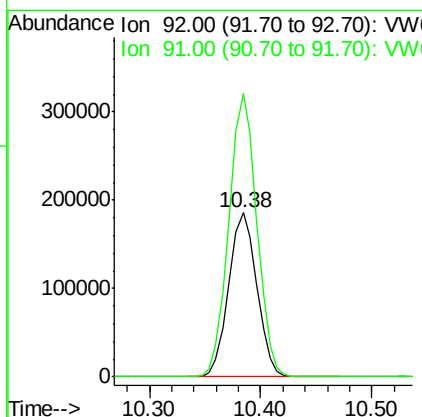
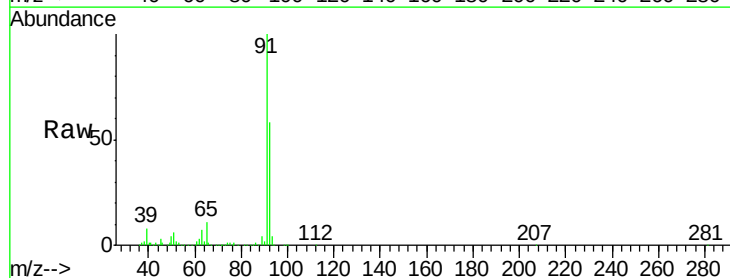
Manual Integrations
APPROVED

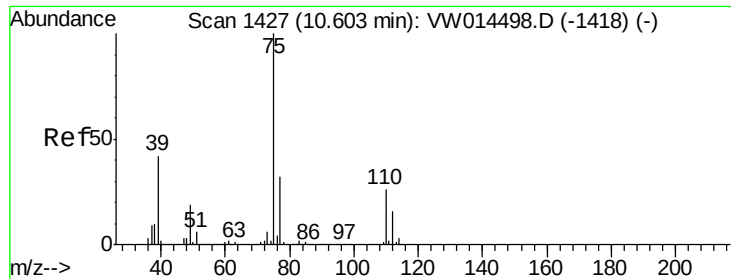
MMDadoda
1/10/2020 10:40:52 AM



#52
Toluene
Concen: 20.951 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	92	91	Ratio	Lower	Upper
325110	100	171.2		134.1	201.1





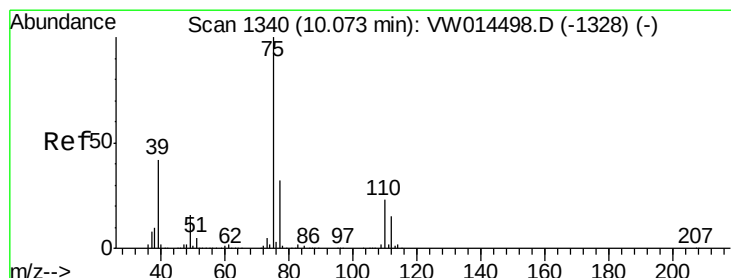
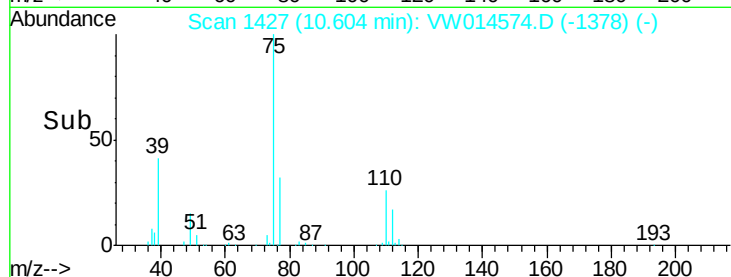
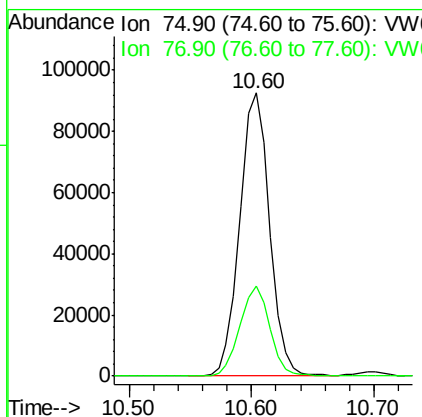
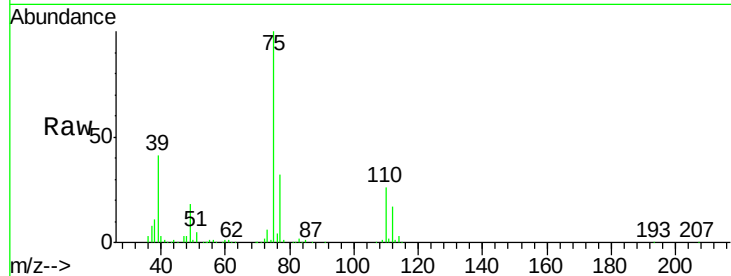
#53
t-1,3-Dichloropropene
Concen: 20.551 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampled :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

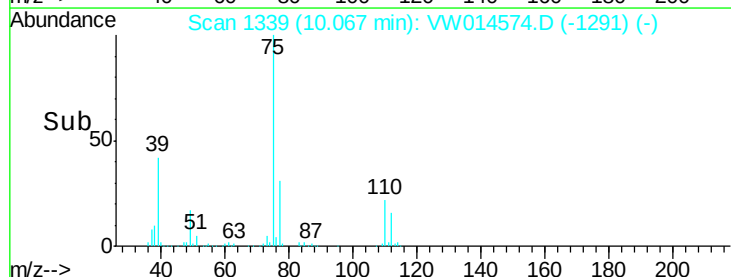
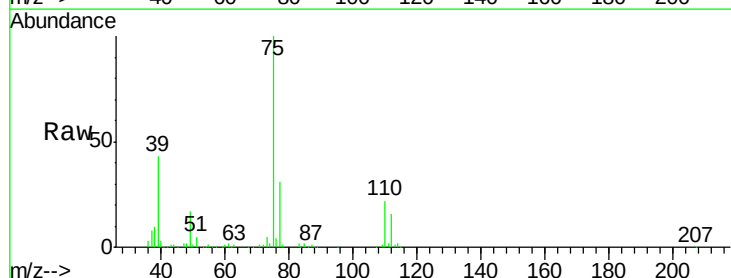
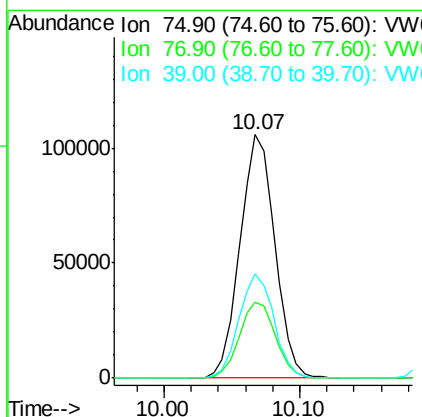
Manual Integrations
APPROVED

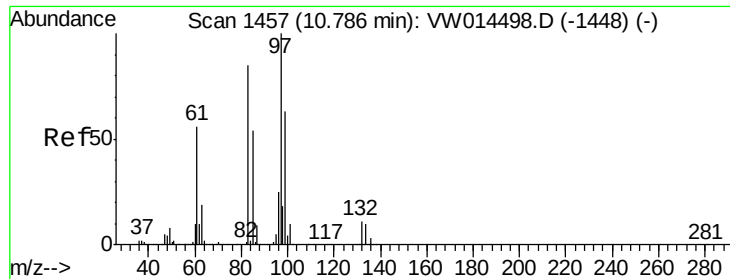
MMDadoda
1/10/2020 10:40:52 AM



#54
cis-1,3-Dichloropropene
Concen: 20.326 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	42.4	33.4	50.2





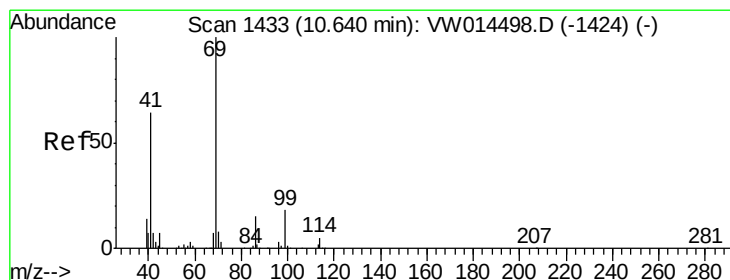
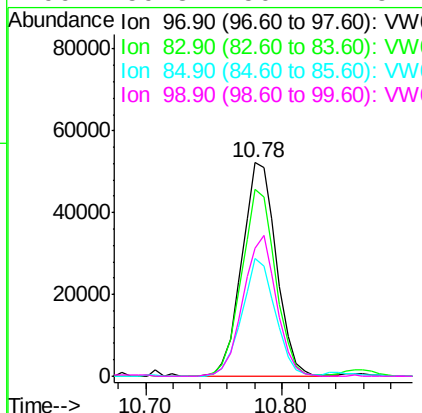
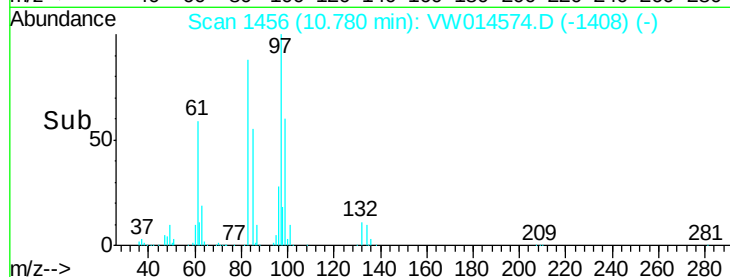
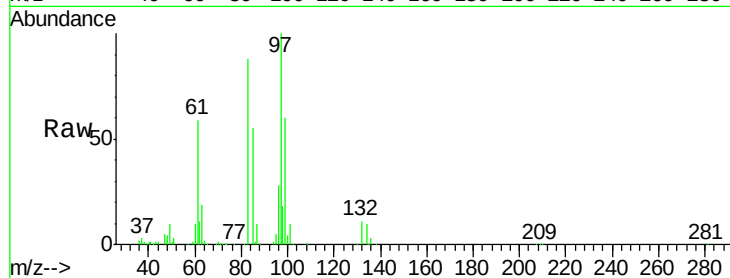
#55
 1,1,2-Trichloroethane
 Concen: 21.139 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		92251		
83	87.8	68.2	102.4		
85	55.1	43.0	64.4		
99	59.8	50.1	75.1		

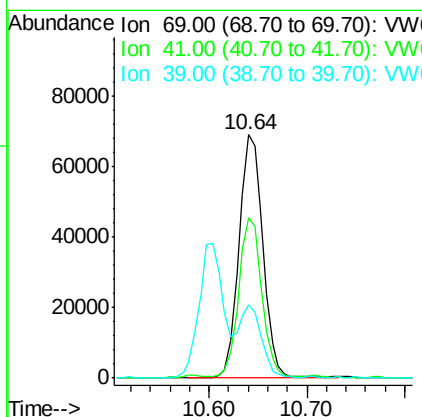
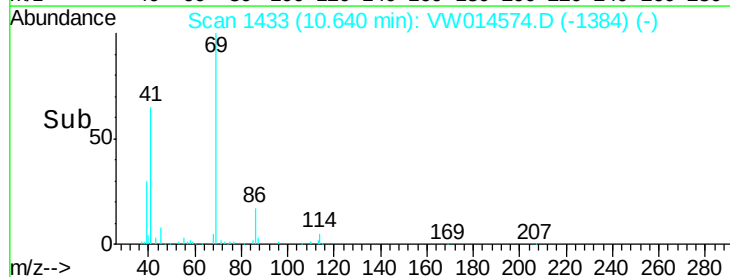
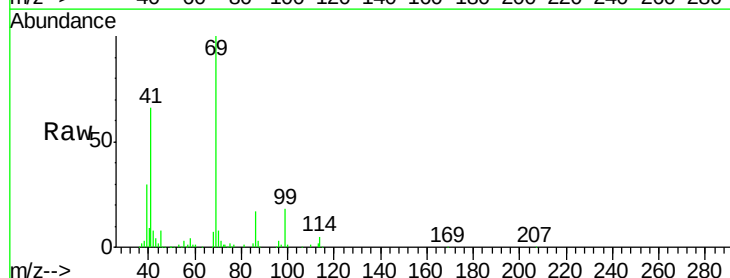
Manual Integrations
 APPROVED

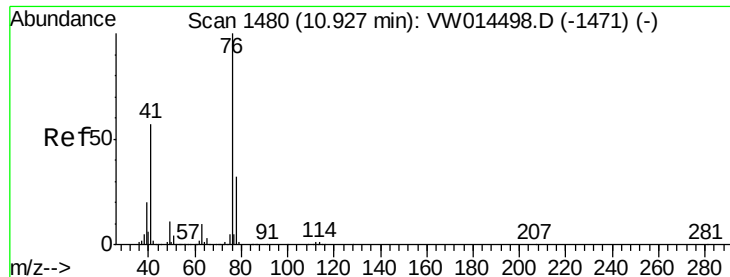
MMDadoda
 1/10/2020 10:40:52 AM



#56
 Ethyl methacrylate
 Concen: 20.690 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		117343		
41	62.8	51.3	76.9		
39	24.5	21.0	31.6		





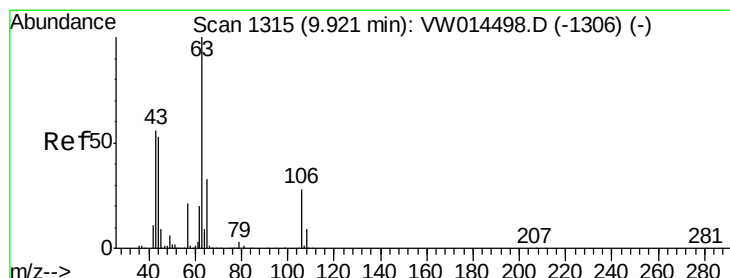
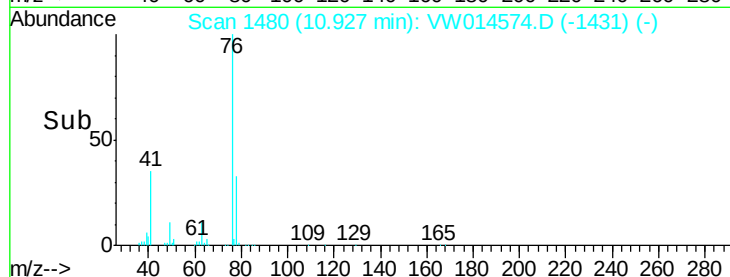
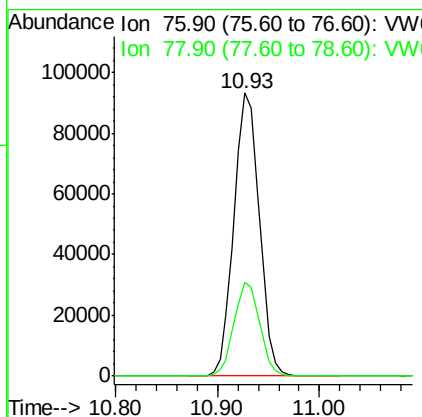
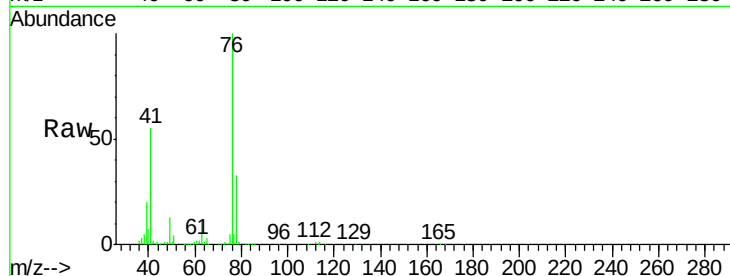
#57
 1,3-Dichloropropane
 Concen: 20.962 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion: 76 Resp: 160776
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.9 38.9

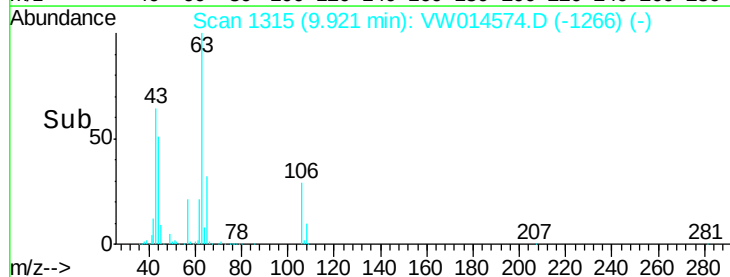
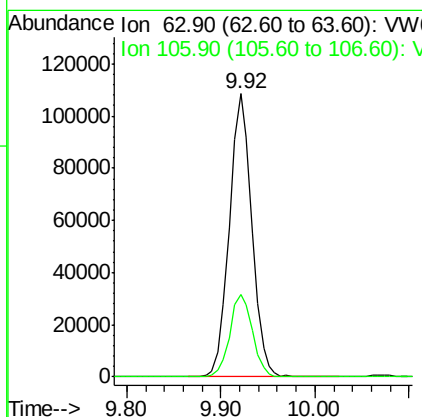
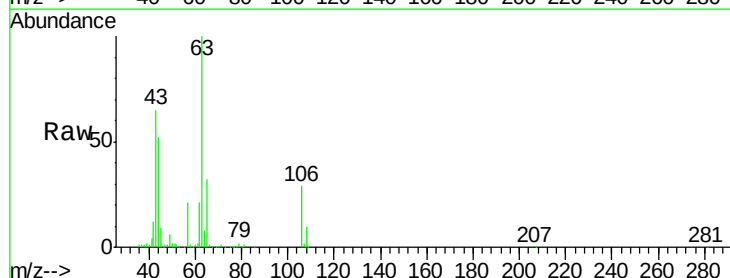
Manual Integrations
 APPROVED

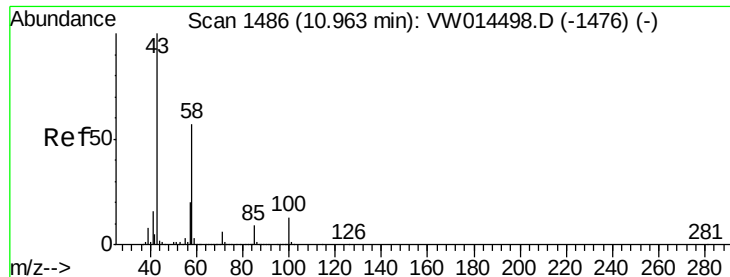
MMDadoda
 1/10/2020 10:40:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.529 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Tgt Ion: 63 Resp: 180301
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.0 34.6





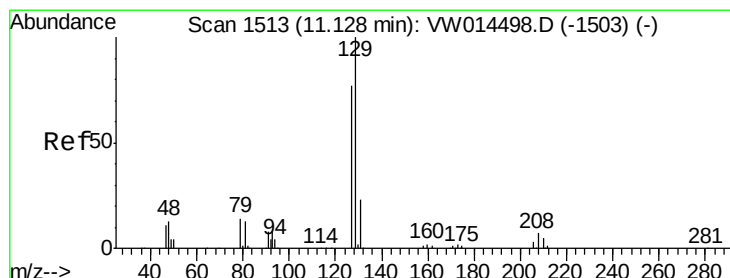
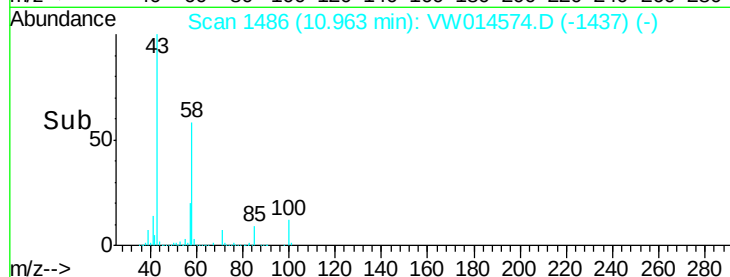
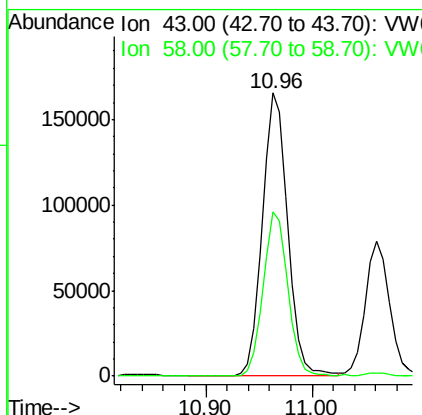
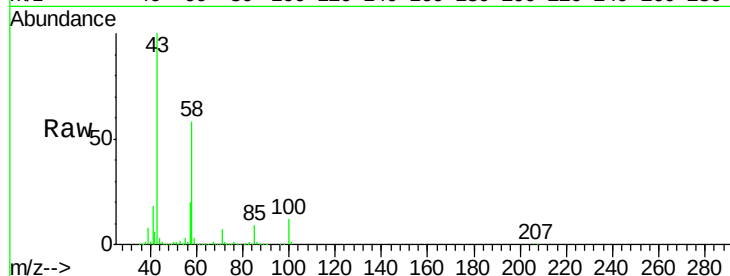
#59
2-Hexanone
Concen: 107.716 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion: 43 Resp: 276748
Ion Ratio Lower Upper
43 100
58 56.6 28.7 86.3

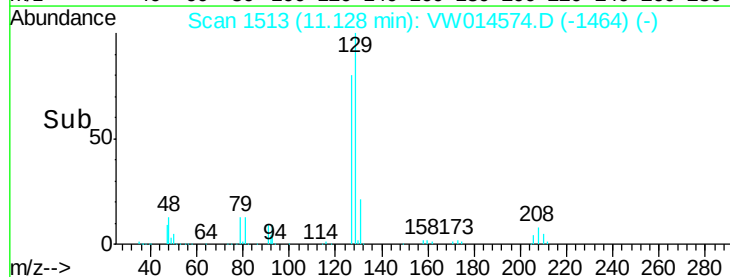
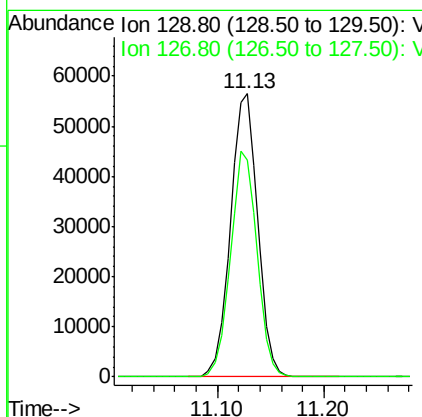
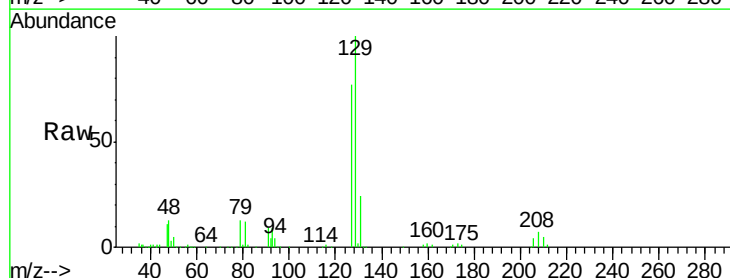
Manual Integrations
APPROVED

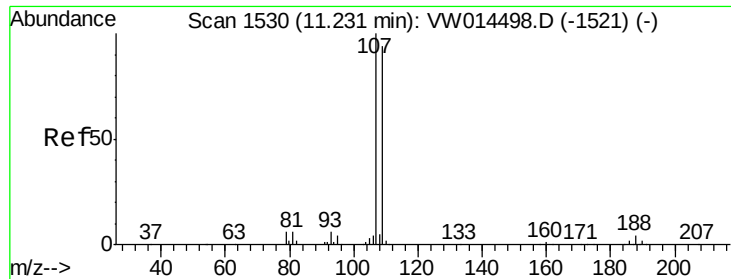
MMDadoda
1/10/2020 10:40:52 AM



#60
Dibromochloromethane
Concen: 20.532 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion: 129 Resp: 101097
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5





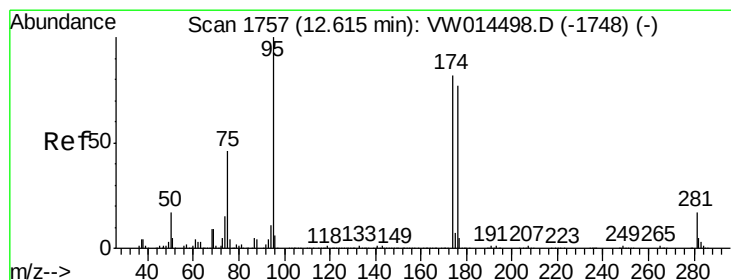
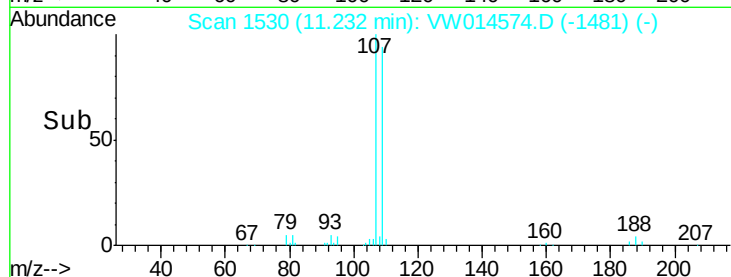
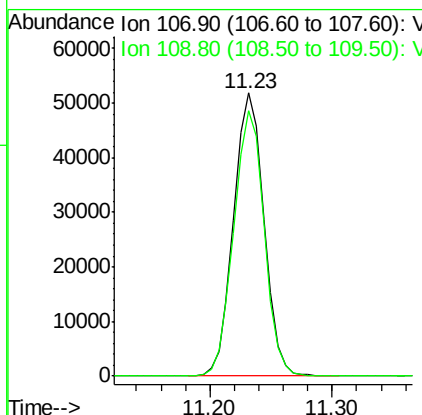
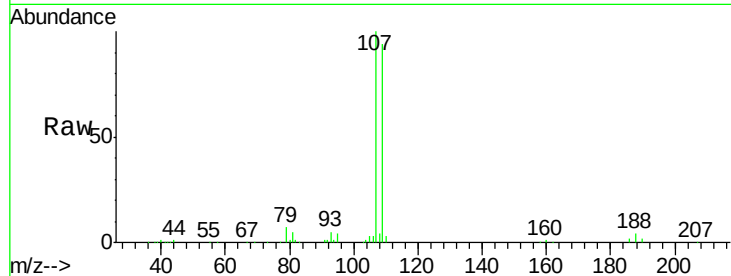
#61
1,2-Dibromoethane
Concen: 21.472 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion: 107 Resp: 88946
Ion Ratio Lower Upper
107 100
109 94.2 75.1 112.7

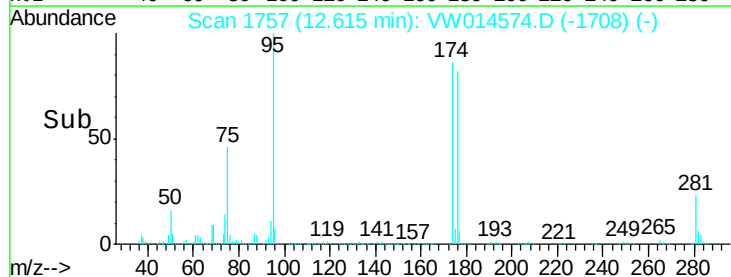
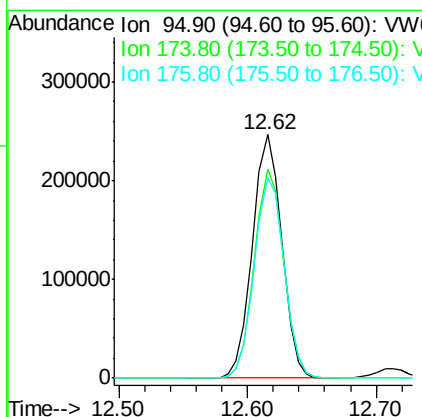
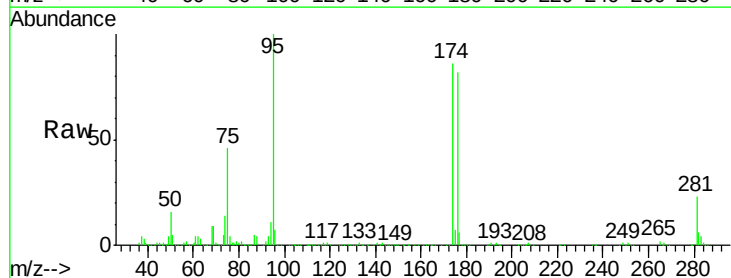
Manual Integrations
APPROVED

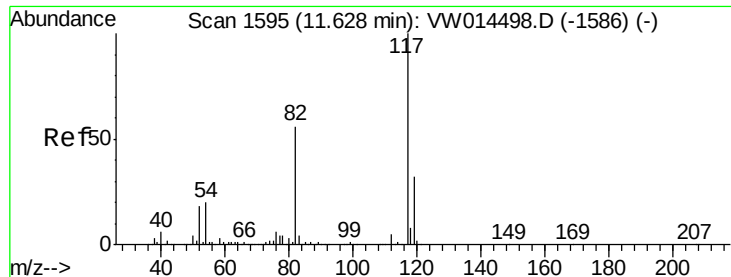
MMDadoda
1/10/2020 10:40:52 AM



#62
4-Bromofluorobenzene
Concen: 52.882 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion: 95 Resp: 386871
Ion Ratio Lower Upper
95 100
174 85.8 0.0 168.6
176 84.1 0.0 162.0





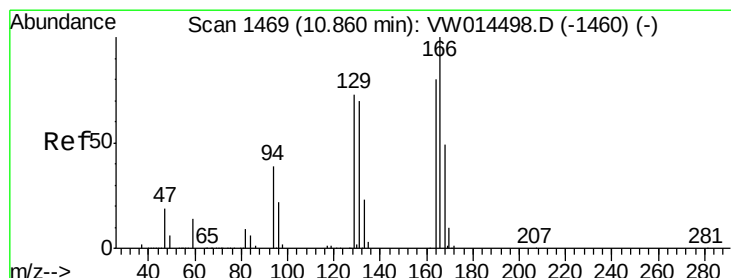
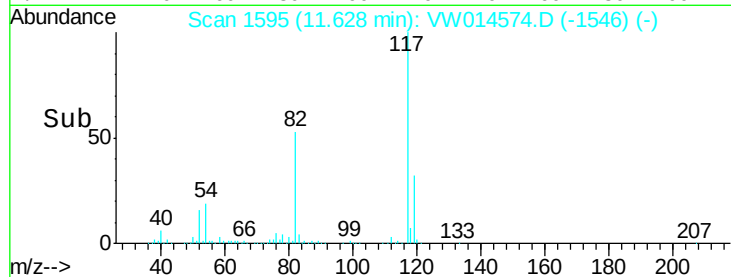
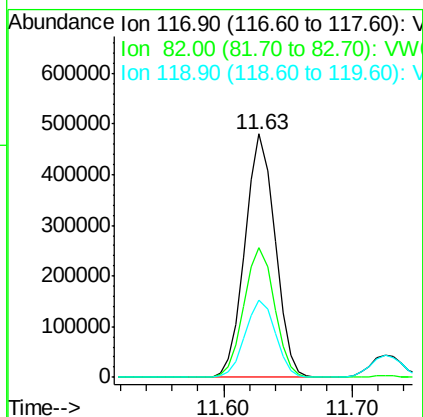
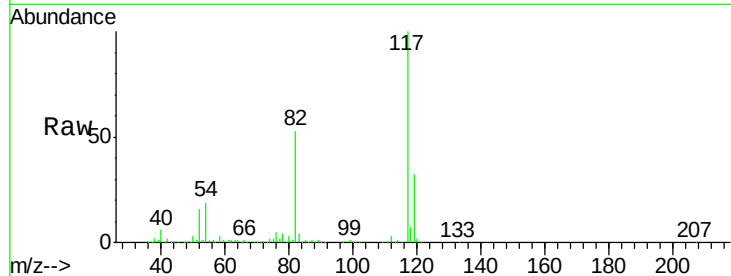
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.6	67.0
119	32.0	25.7	38.5

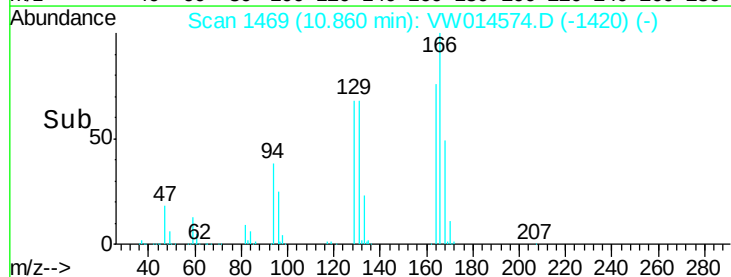
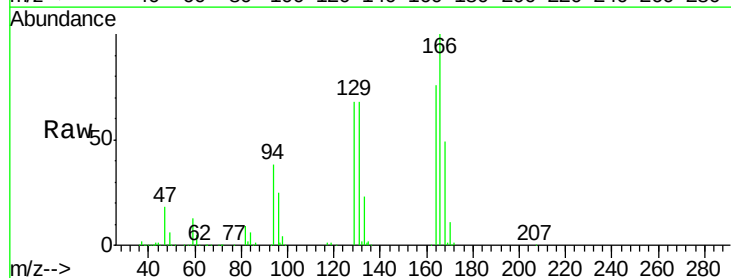
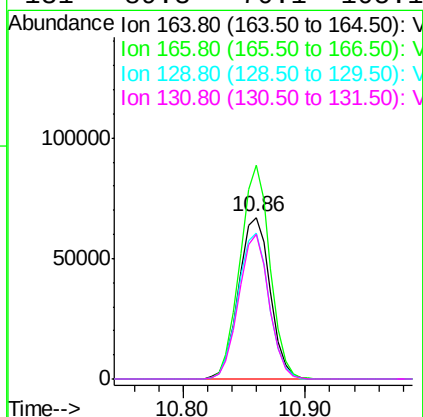
Manual Integrations
APPROVED

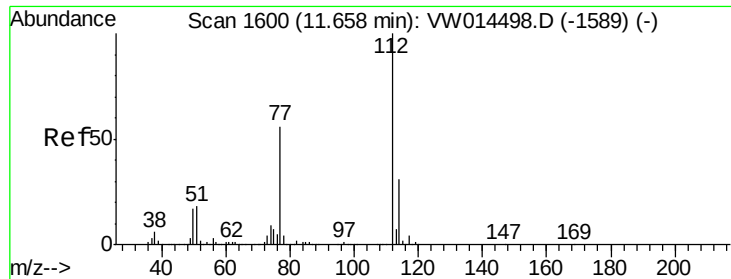
MMDadoda
1/10/2020 10:40:52 AM



#64
Tetrachloroethene
Concen: 21.242 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	99.8	149.6
129	90.1	72.4	108.6
131	89.3	70.1	105.1





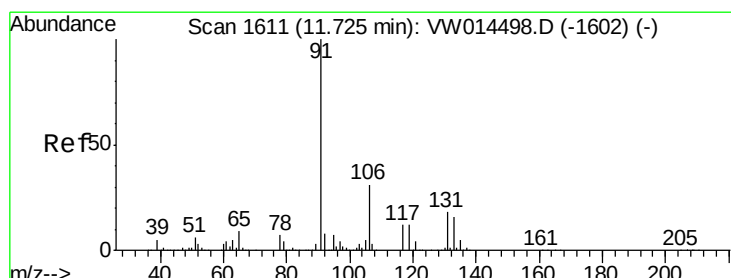
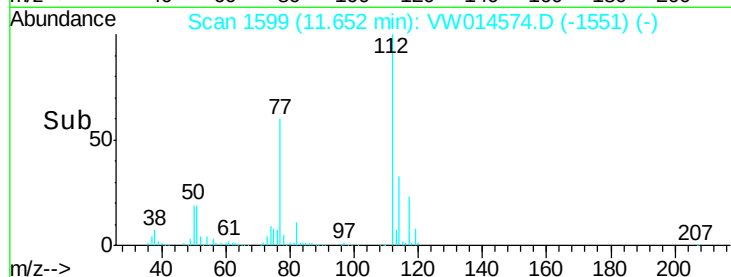
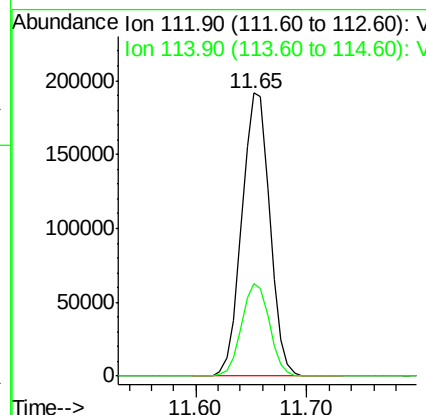
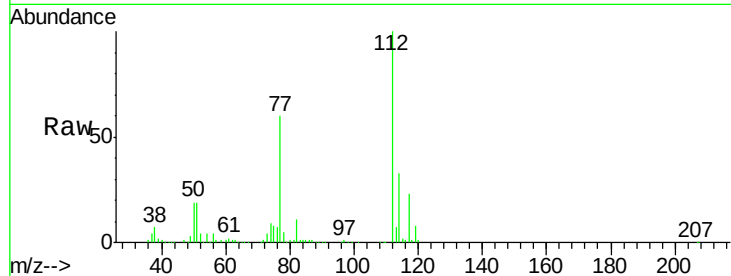
#65
Chlorobenzene
Concen: 20.977 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion:112 Resp: 333466
Ion Ratio Lower Upper
112 100
114 32.8 24.6 37.0

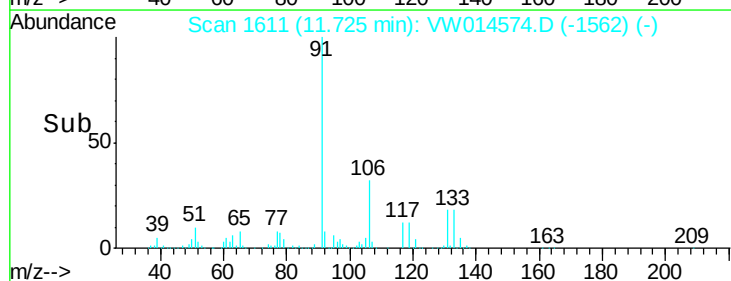
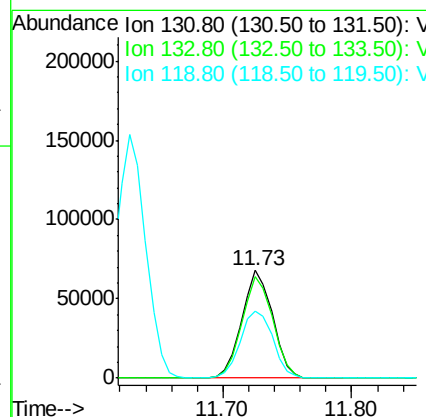
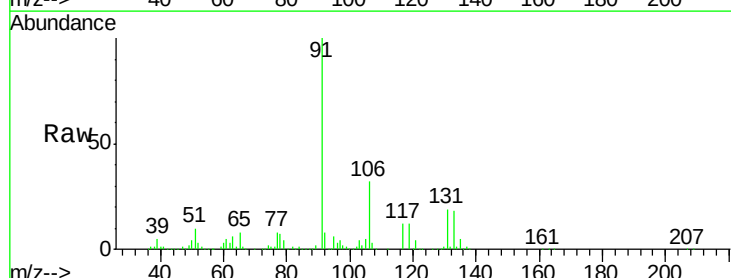
Manual Integrations
APPROVED

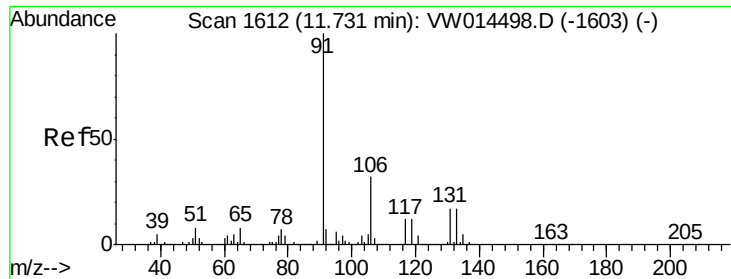
MMDadoda
1/10/2020 10:40:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.025 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion:131 Resp: 112530
Ion Ratio Lower Upper
131 100
133 94.5 47.3 142.0
119 65.5 33.1 99.3





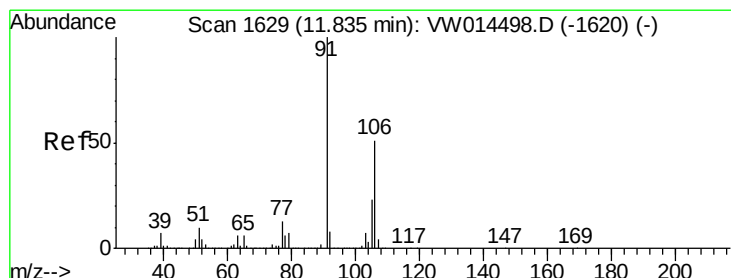
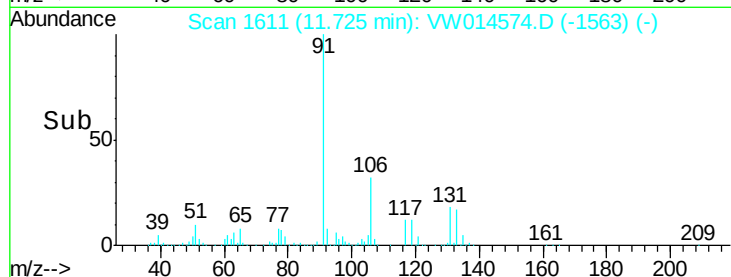
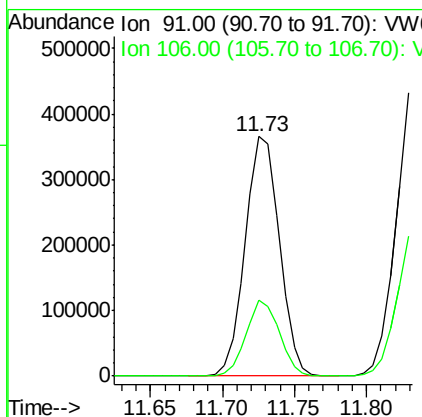
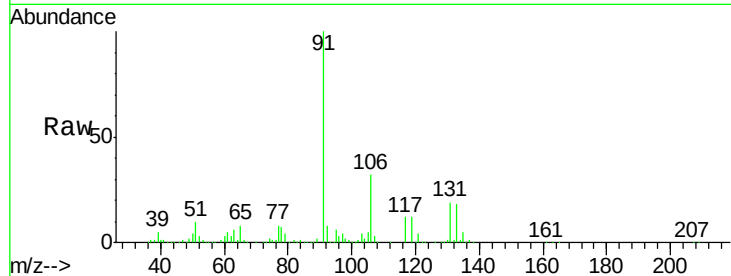
#67
Ethyl Benzene
Concen: 21.015 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion: 91 Resp: 602029
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

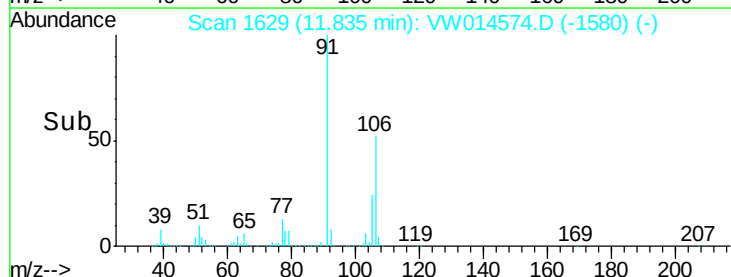
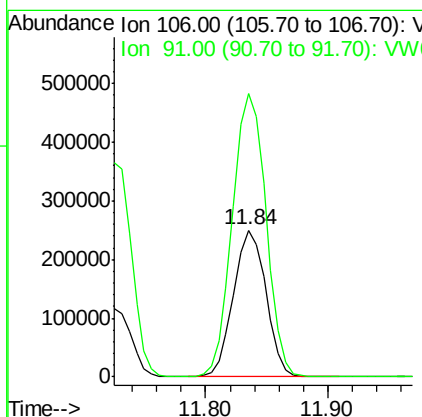
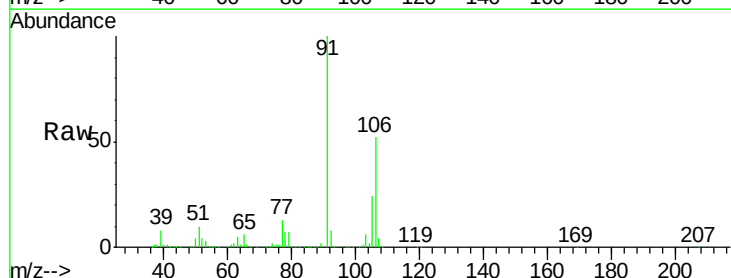
Manual Integrations
APPROVED

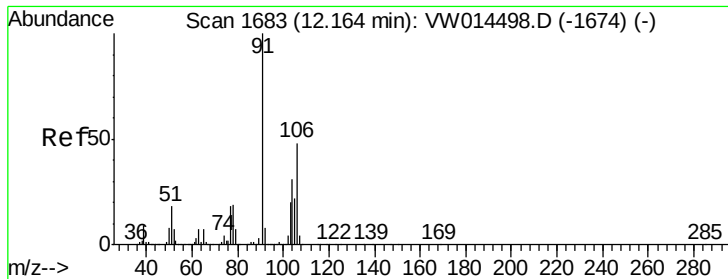
MMDadoda
1/10/2020 10:40:52 AM



#68
m/p-Xylenes
Concen: 42.256 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion: 106 Resp: 463306
Ion Ratio Lower Upper
106 100
91 198.3 159.0 238.6





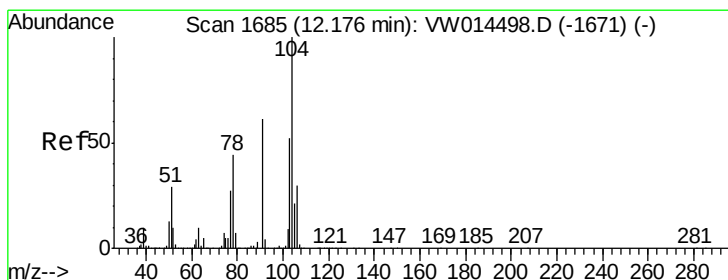
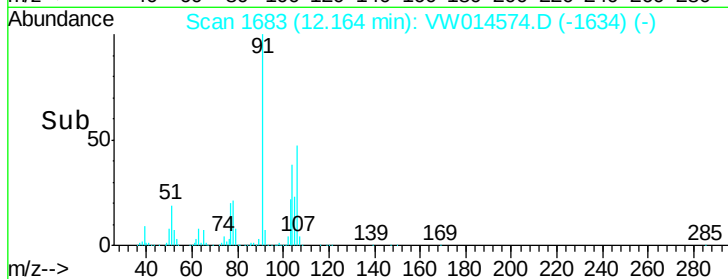
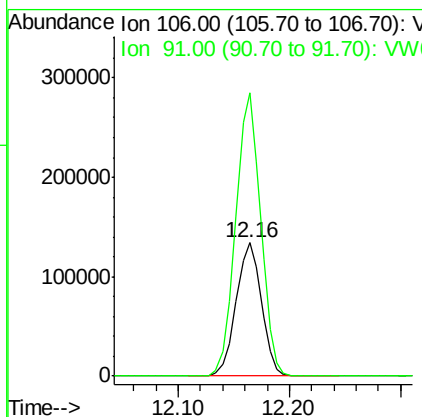
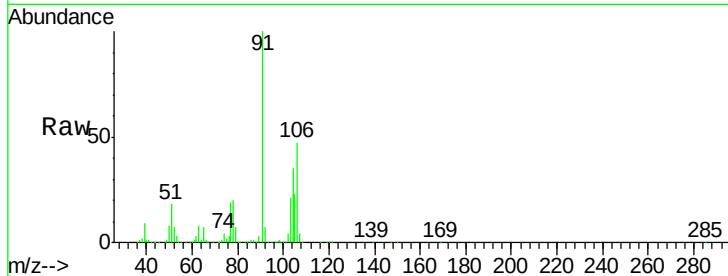
#69
o-Xylene
Concen: 20.883 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		211495		
91	209.0	105.2	315.6		

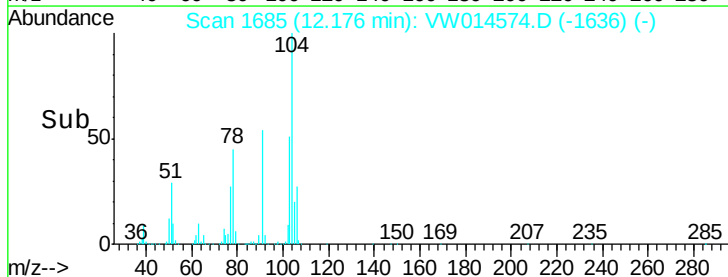
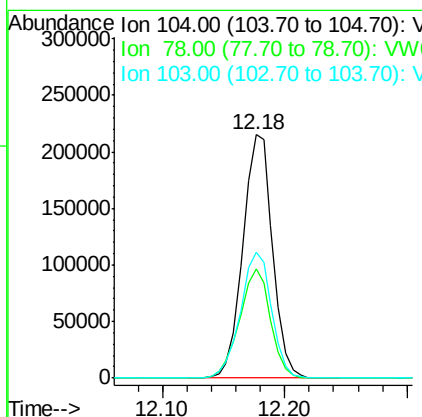
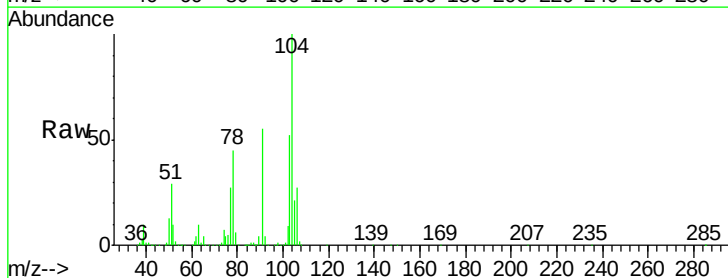
Manual Integrations
APPROVED

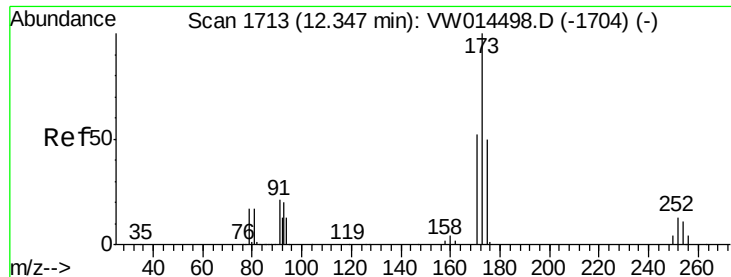
MMDadoda
1/10/2020 10:40:52 AM



#70
Styrene
Concen: 21.121 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		361806		
78	46.9	38.4	57.6		
103	54.4	43.7	65.5		





#71

Bromoform

Concen: 20.704 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion:173 Resp: 60443

Ion Ratio Lower Upper

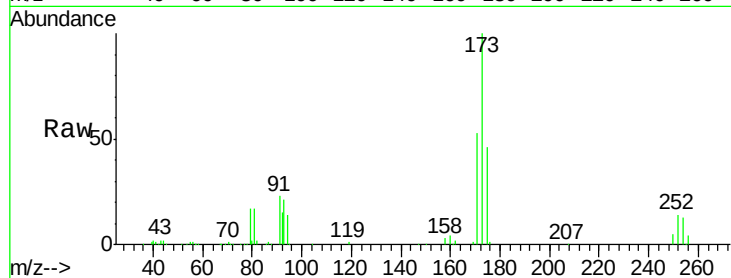
173 100

175 49.6 24.5 73.5

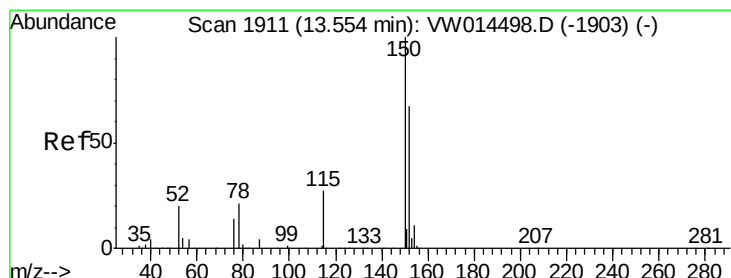
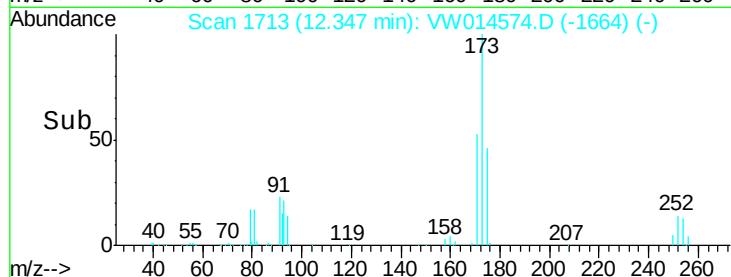
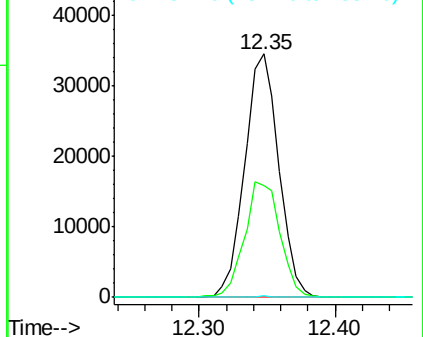
254 0.1 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

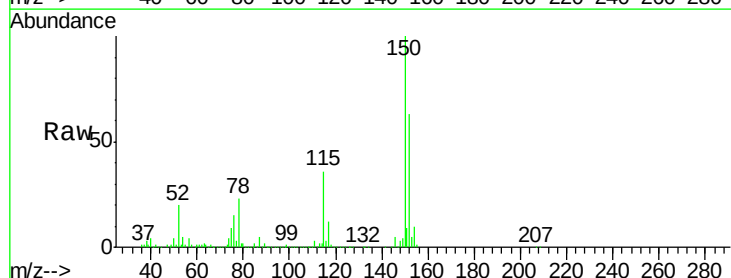
Tgt Ion:152 Resp: 379391

Ion Ratio Lower Upper

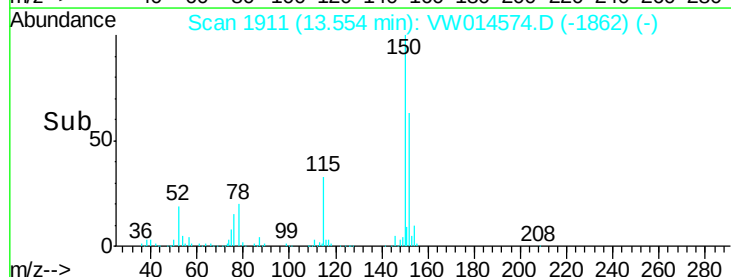
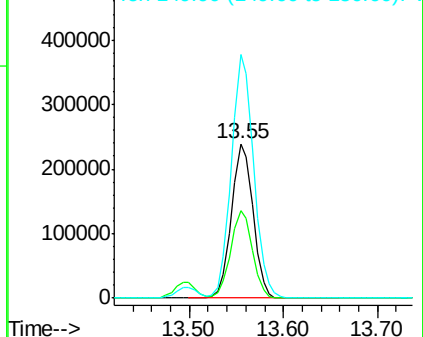
152 100

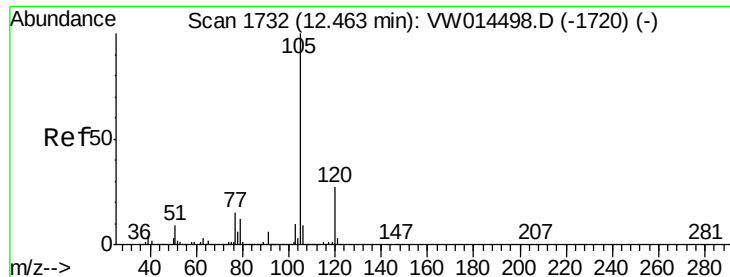
115 57.0 27.7 83.1

150 163.7 0.0 343.4



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





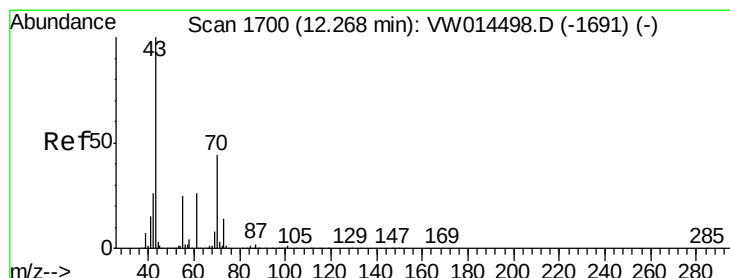
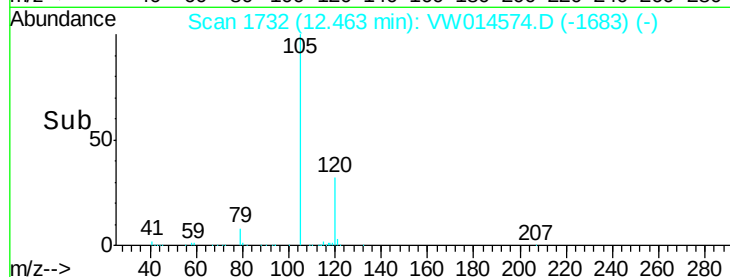
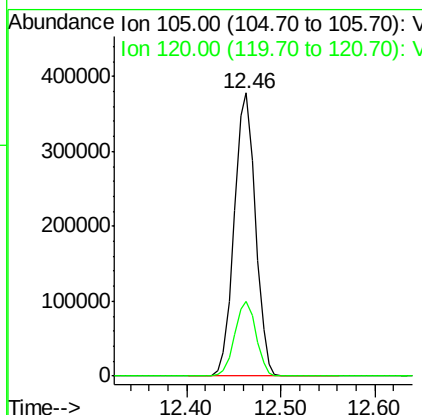
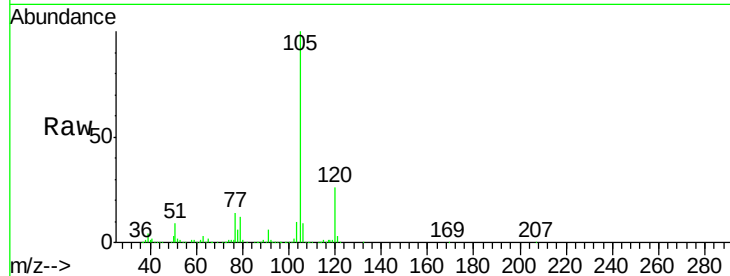
#73
Isopropylbenzene
Concen: 21.170 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.1

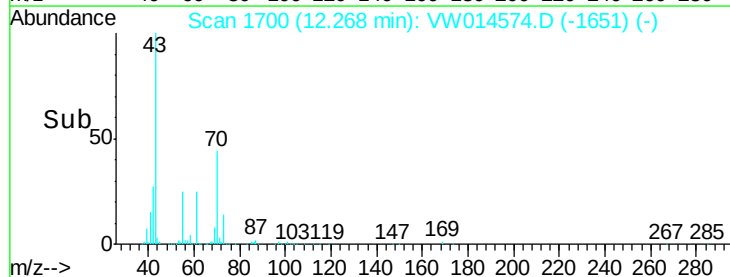
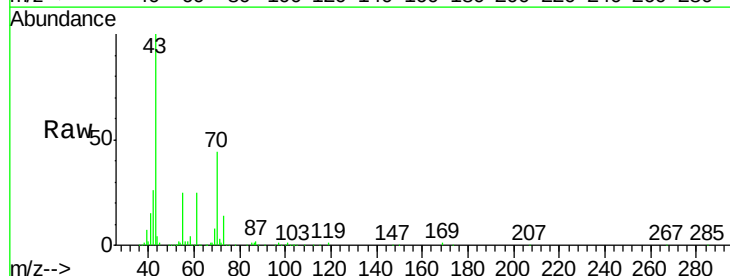
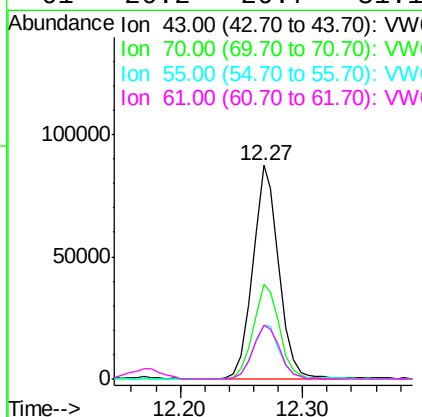
Manual Integrations
APPROVED

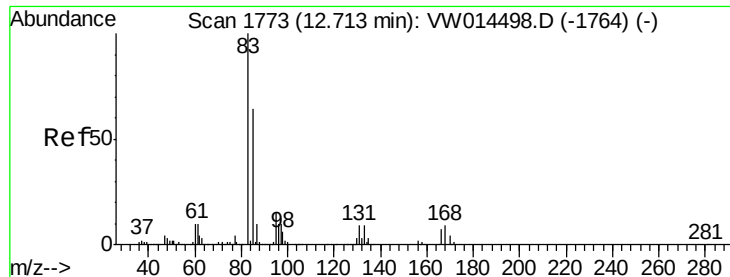
MMDadoda
1/10/2020 10:40:52 AM



#74
N-ethyl acetate
Concen: 20.573 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.3	36.5	54.7
55	26.8	20.9	31.3
61	26.2	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.748 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

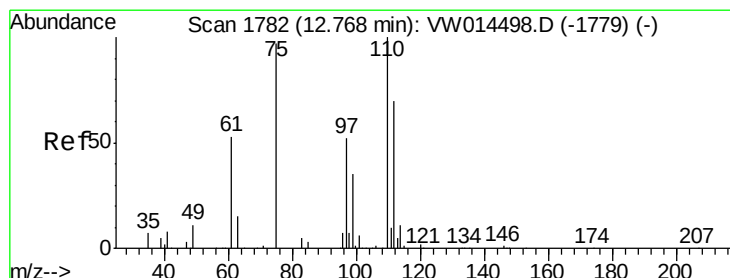
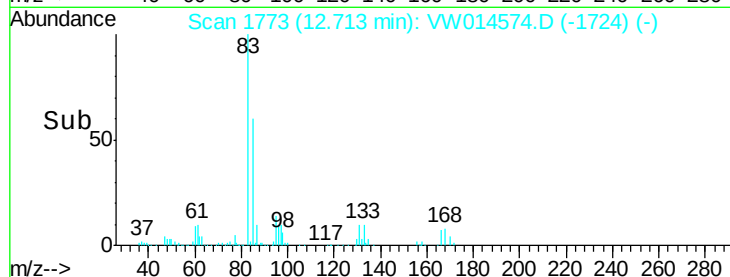
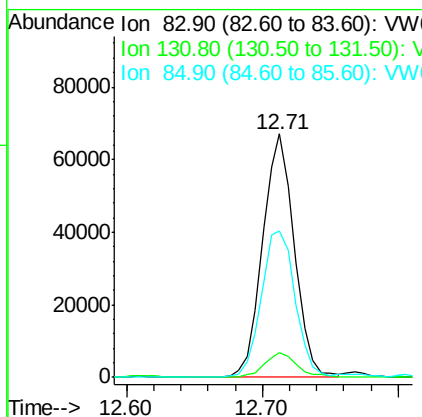
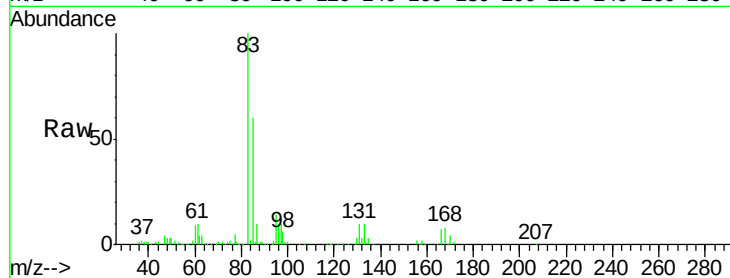
ClientSampled :

VW0109SBS01

Tot Ion:	83	Resp:	109274
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	64.7	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM



#76

1,2,3-Trichloropropane

Concen: 18.092 ug/l m

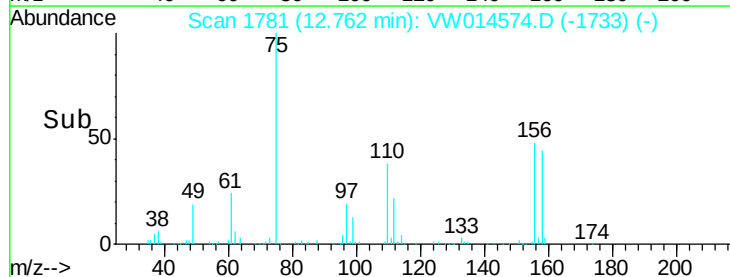
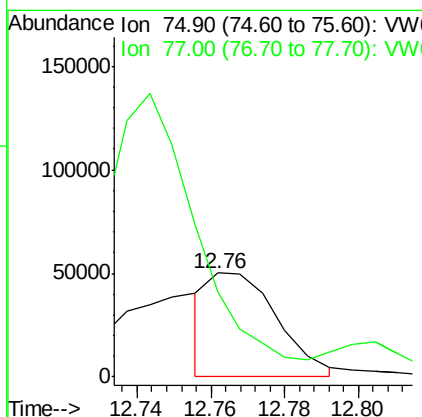
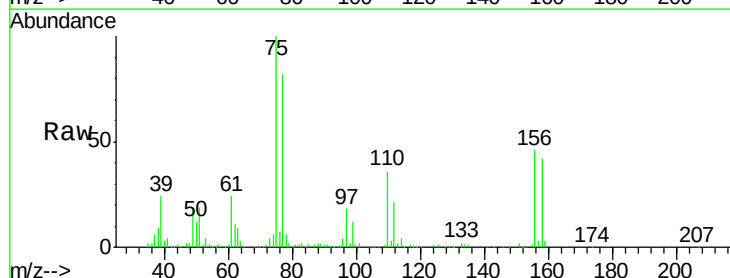
RT: 12.76 min Scan# 1781

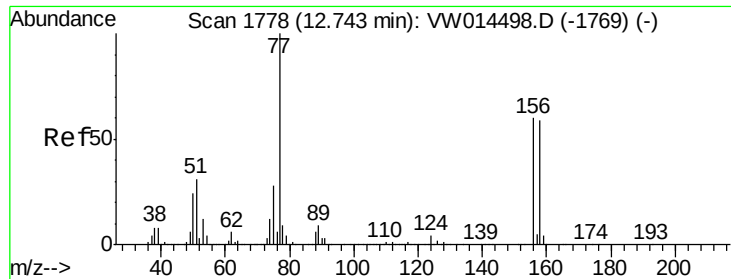
Delta R.T. -0.01 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Tgt Ion:	75	Resp:	64898
Ion Ratio	Lower	Upper	
75	100		
77	381.6	0.0	0.0#





#77

Bromobenzene

Concen: 21.579 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

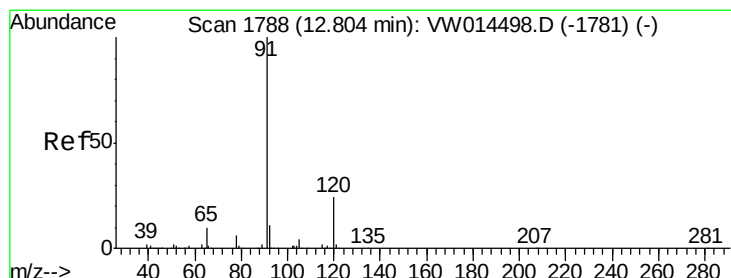
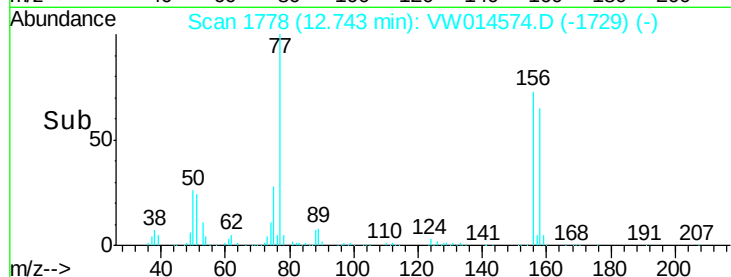
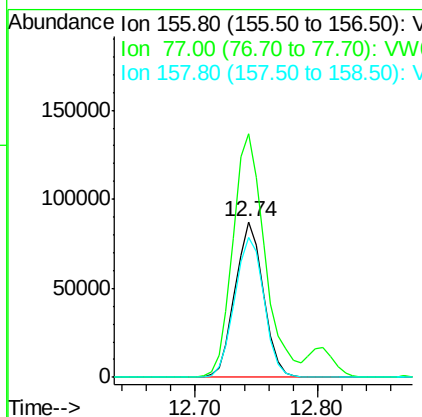
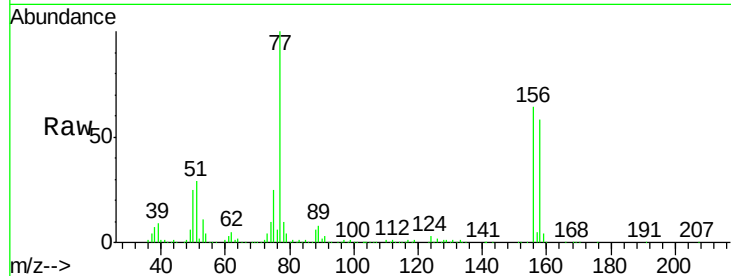
ClientSampleId :

VW0109SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		139520		
77	177.5	92.3	277.1		
158	93.2	48.6	145.9		

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM



#78

n-propylbenzene

Concen: 21.217 ug/l

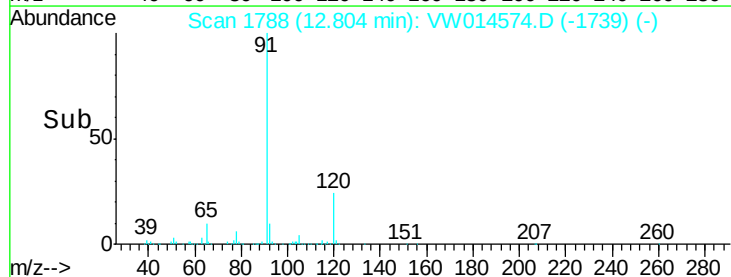
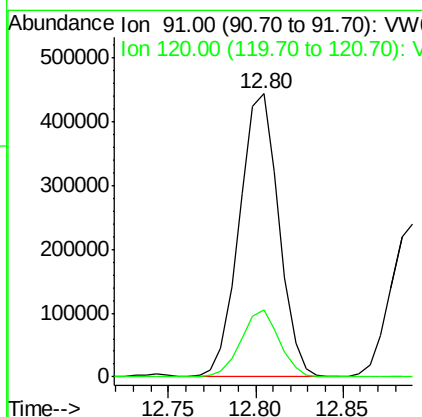
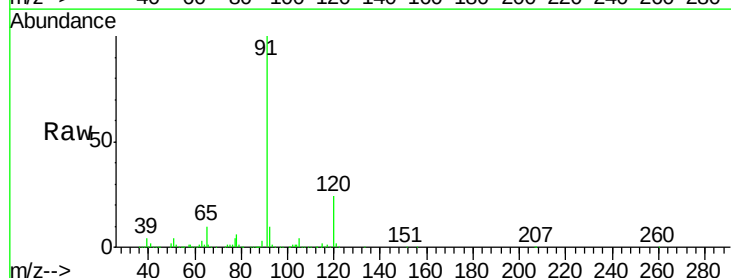
RT: 12.80 min Scan# 1788

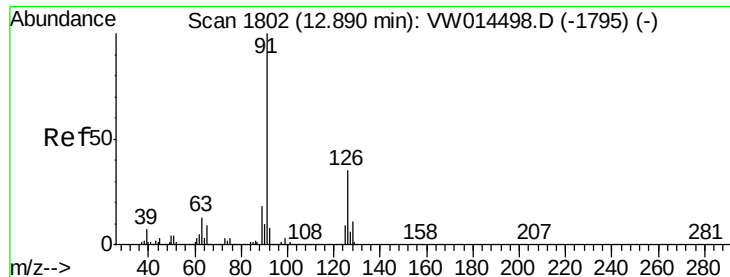
Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		694519		
120	22.8	11.7	35.1		





#79

2-Chlorotoluene

Concen: 20.966 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tot Ion: 91 Resp: 390571

Ion Ratio Lower Upper

91 100

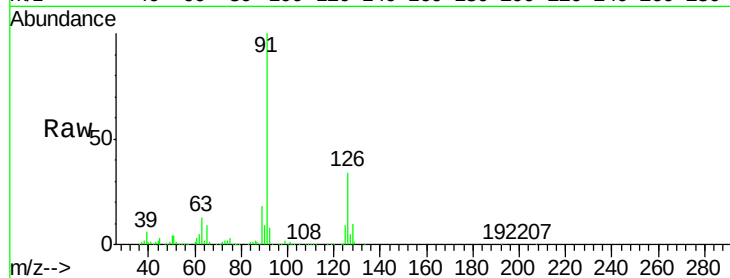
126 33.8 17.1 51.2

Manual Integrations

APPROVED

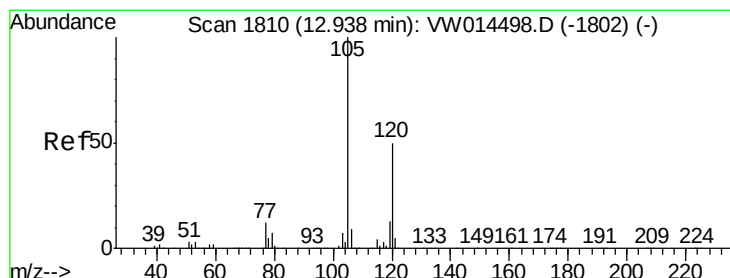
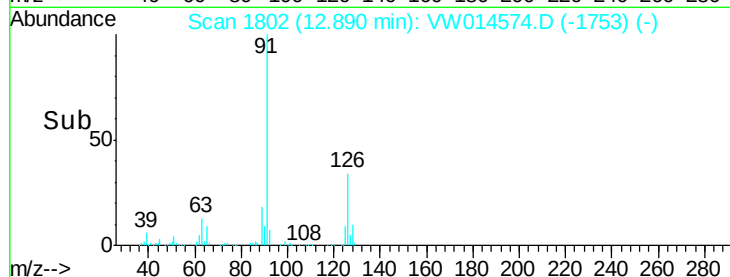
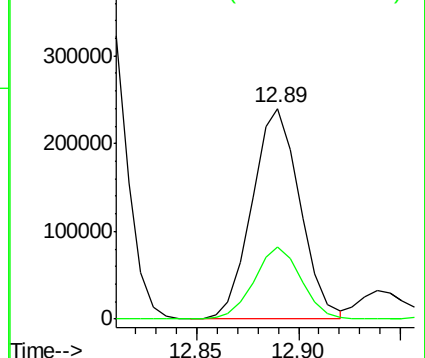
MMDadoda

1/10/2020 10:40:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.125 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014574.D

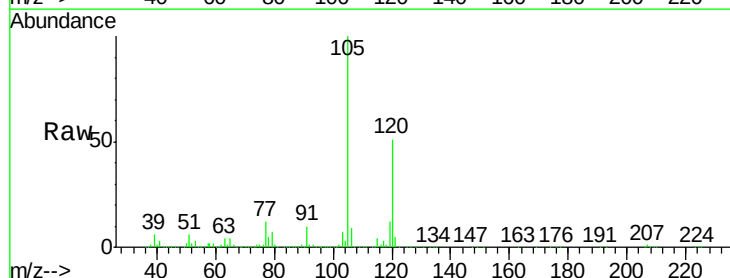
Acq: 09 Jan 2020 11:40

Tgt Ion: 105 Resp: 493764

Ion Ratio Lower Upper

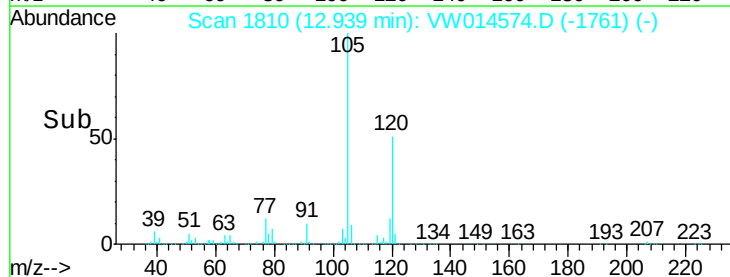
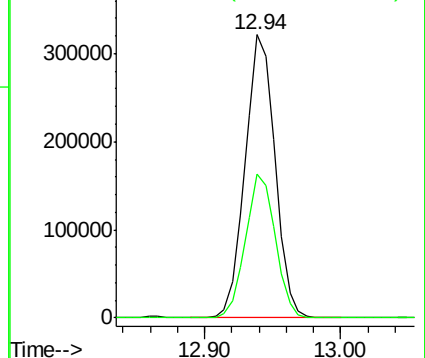
105 100

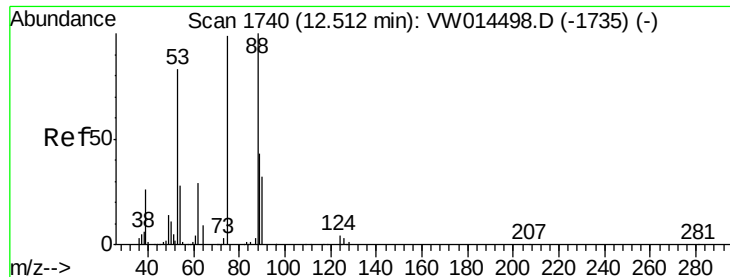
120 50.7 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





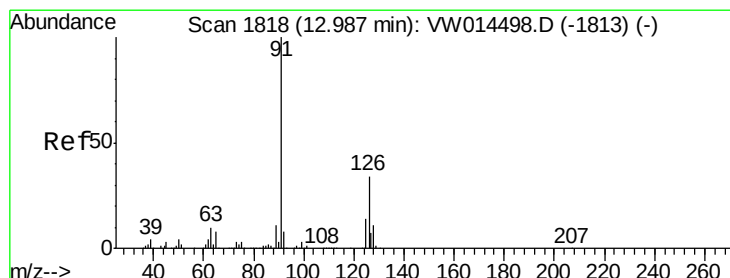
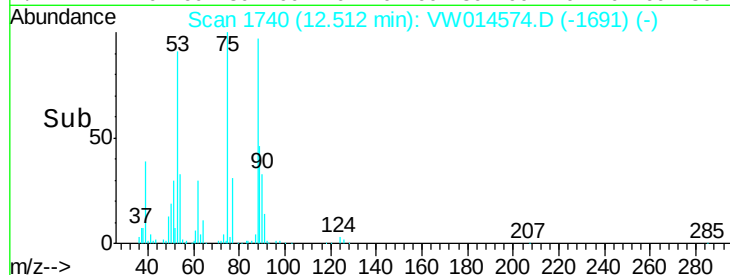
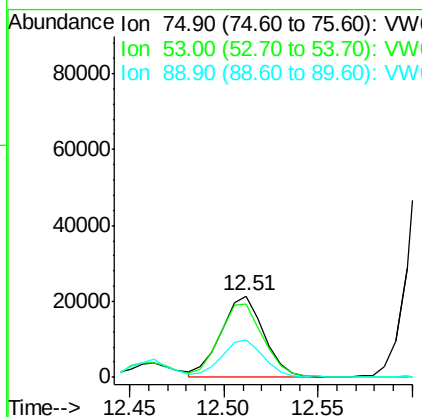
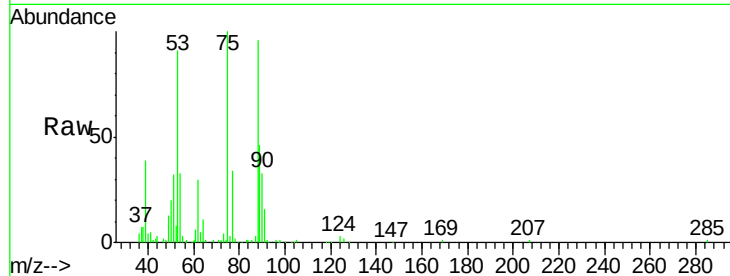
#81
trans-1,4-Dichloro-2-butene
Concen: 20.661 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	70.9	106.3
89	46.5	35.8	53.8

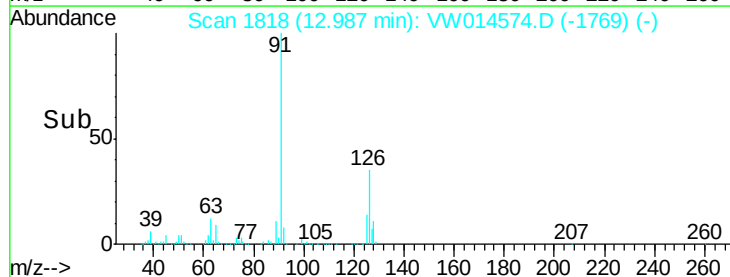
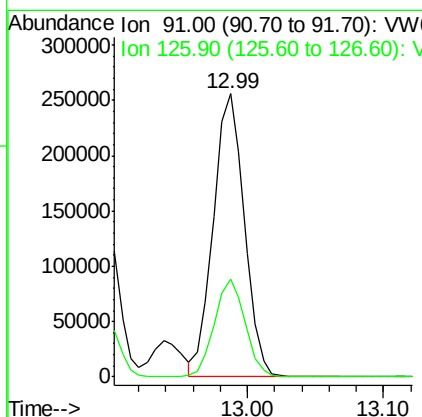
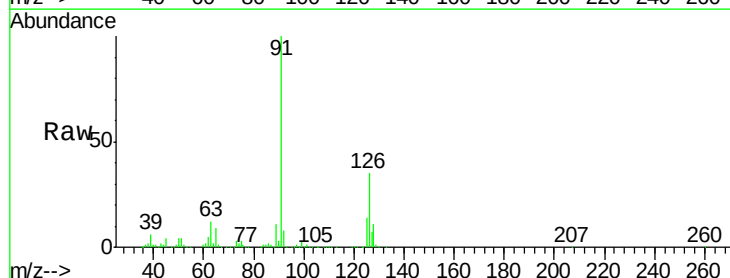
Manual Integrations
APPROVED

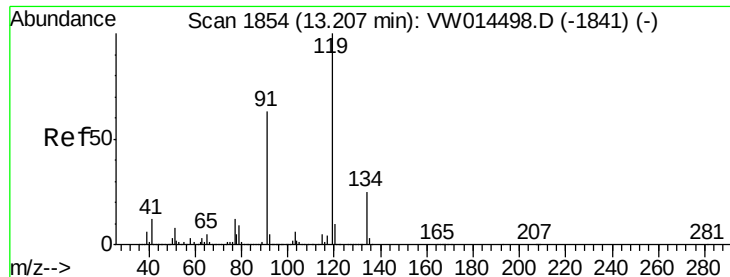
MMDadoda
1/10/2020 10:40:52 AM



#82
4-Chlorotoluene
Concen: 20.848 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.1	51.2





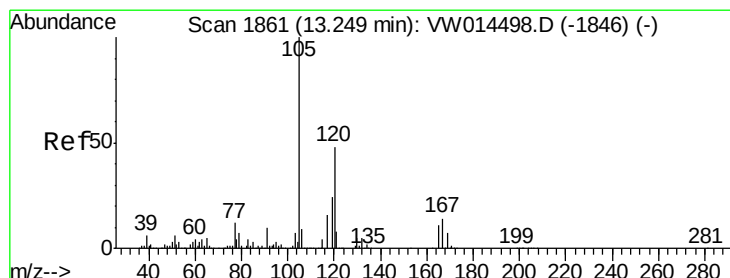
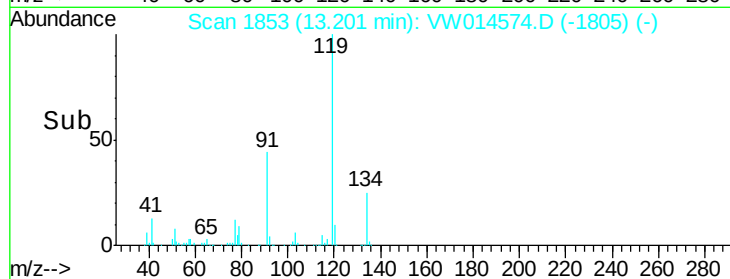
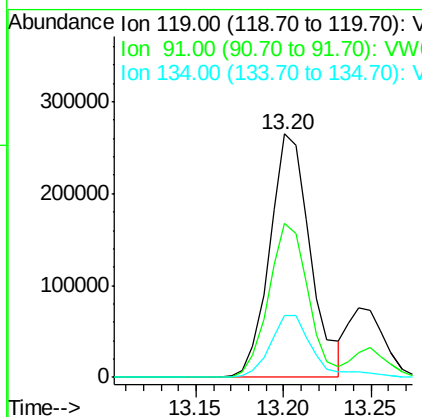
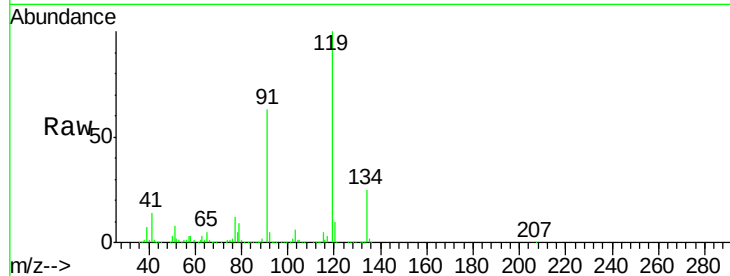
#83
tert-Butylbenzene
Concen: 20.893 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.1	93.3
134	27.1	13.5	40.5

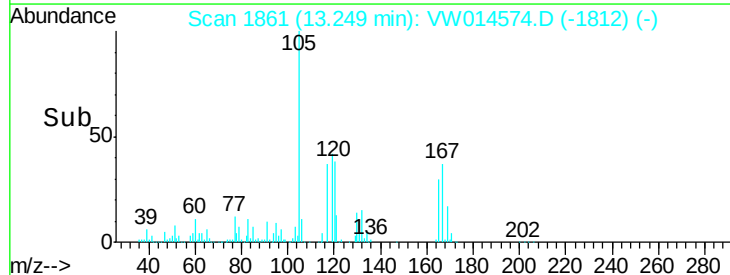
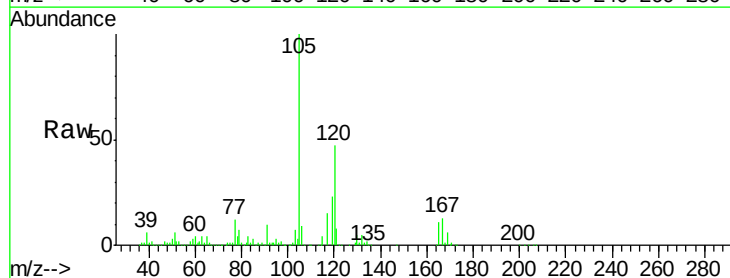
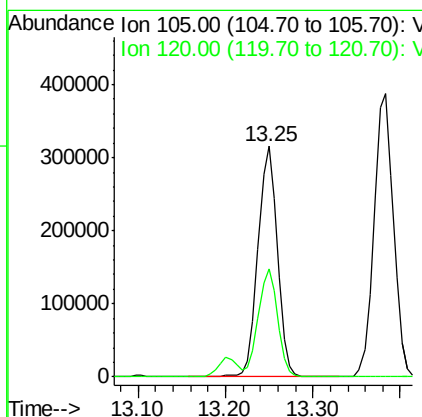
Manual Integrations
APPROVED

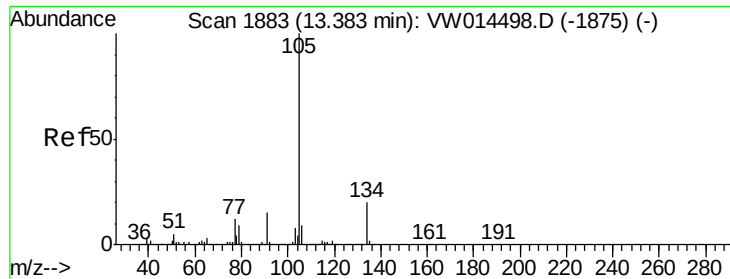
MMDadoda
1/10/2020 10:40:52 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.939 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.0





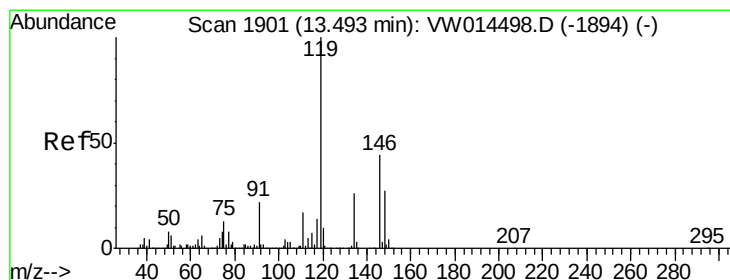
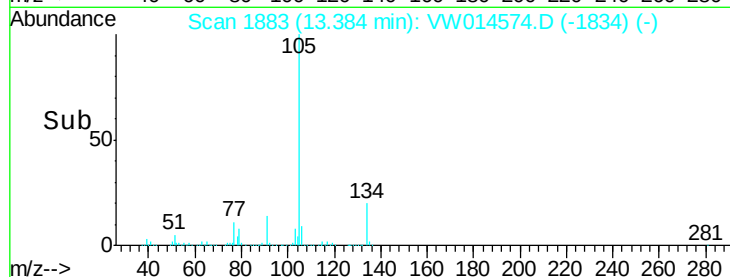
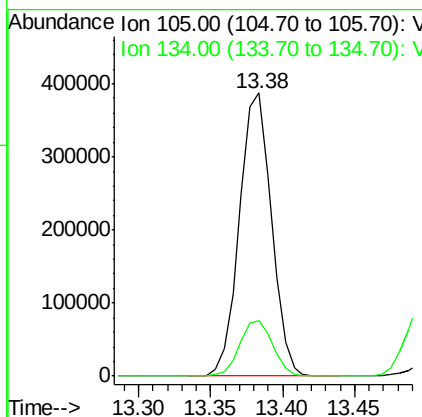
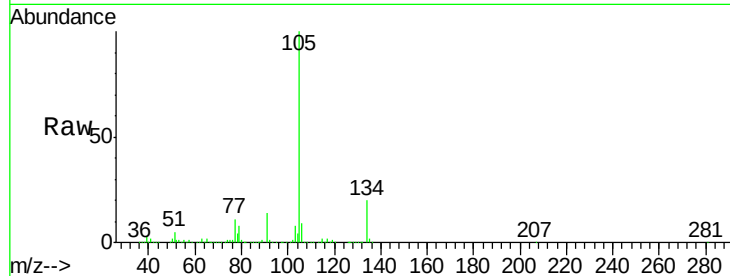
#85
 sec-Butylbenzene
 Concen: 21.146 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.6

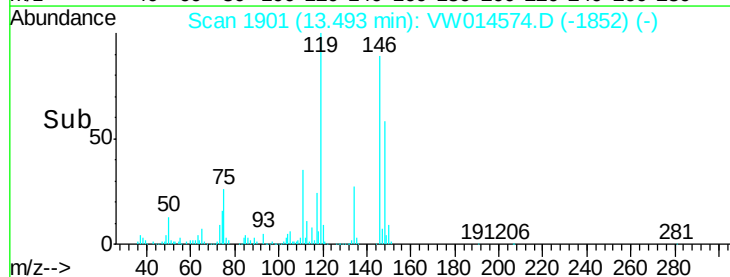
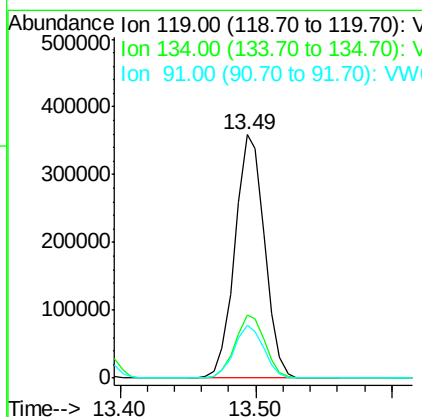
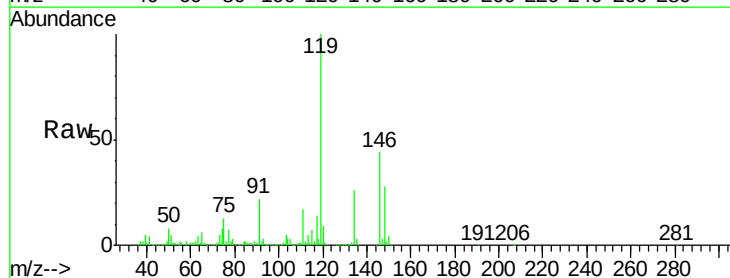
Manual Integrations
 APPROVED

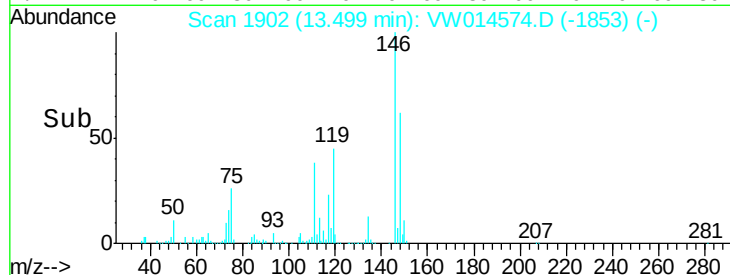
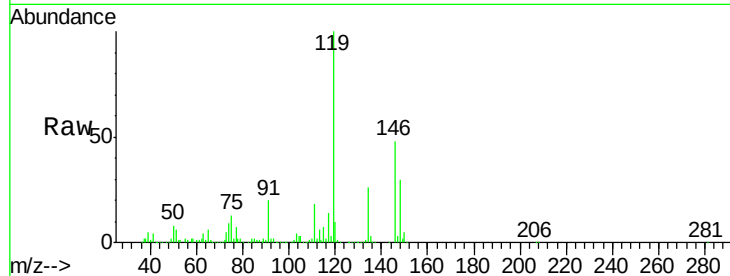
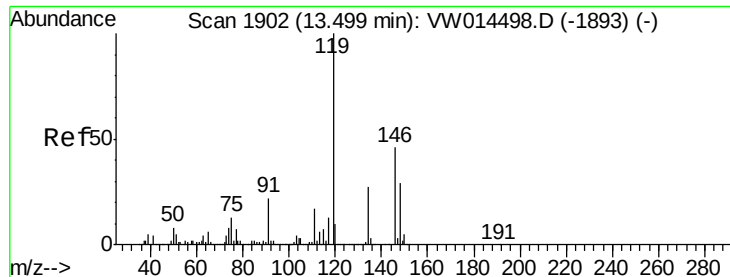
MMDadoda
 1/10/2020 10:40:52 AM



#86
 p-Isopropyltoluene
 Concen: 20.947 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	21.6	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 20.921 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

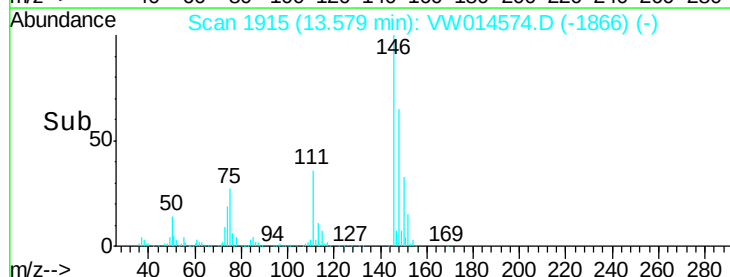
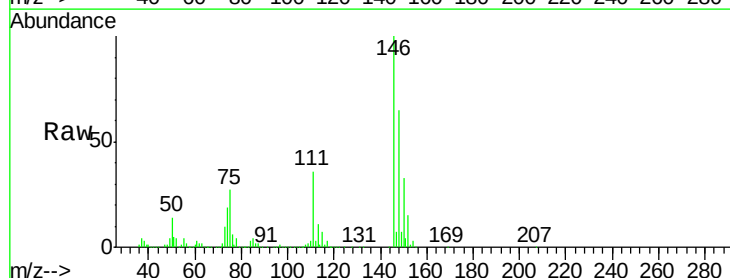
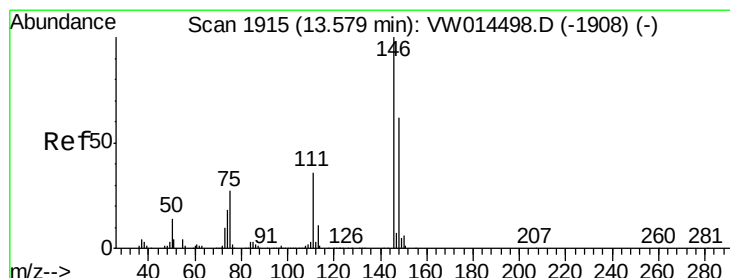
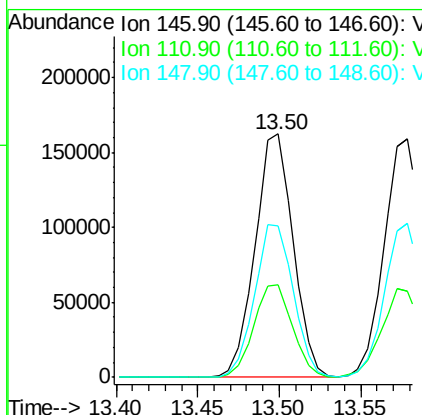
Tot Ion	Ratio	Resp	Lower	Upper
146	100	263035		
111	38.7	19.3	57.9	
148	63.8	31.8	95.4	

Instrument :
MSVOA_W

ClientSampleId :
VW0109SBS01

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM



#88

1,4-Dichlorobenzene

Concen: 21.140 ug/l

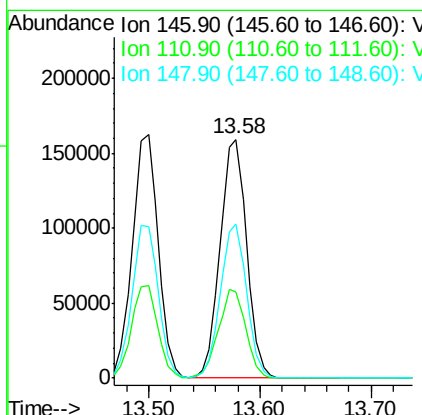
RT: 13.58 min Scan# 1915

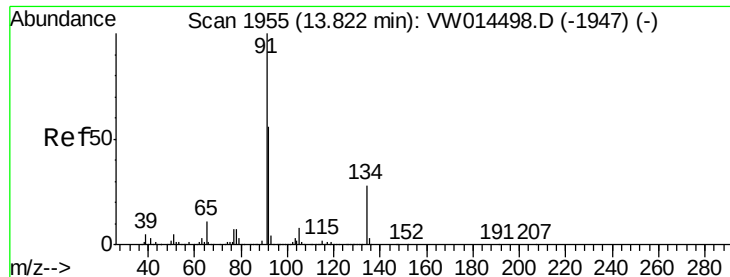
Delta R.T. 0.00 min

Lab File: VW014574.D

Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	262399		
111	38.4	18.7	56.1	
148	64.0	31.7	95.1	





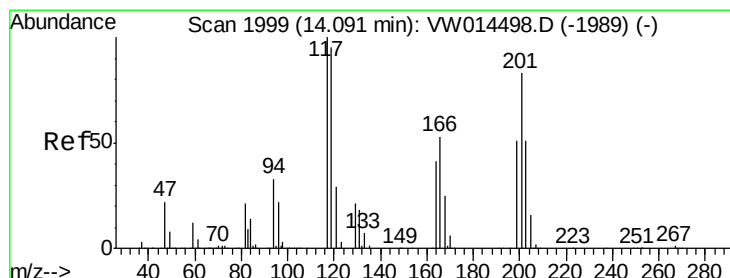
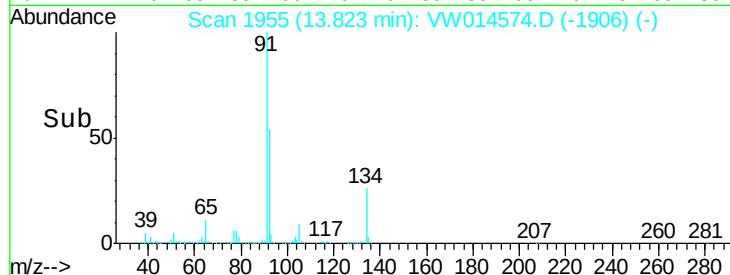
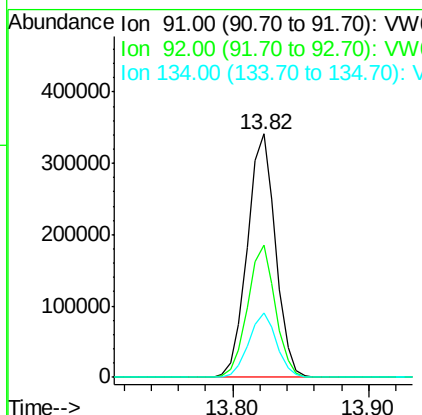
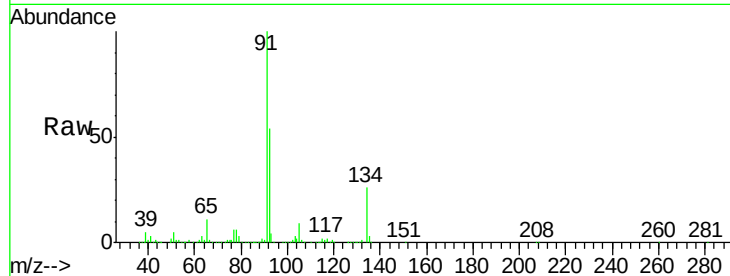
#89
n-Butylbenzene
Concen: 20.644 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.5	82.5
134	26.3	13.7	41.1

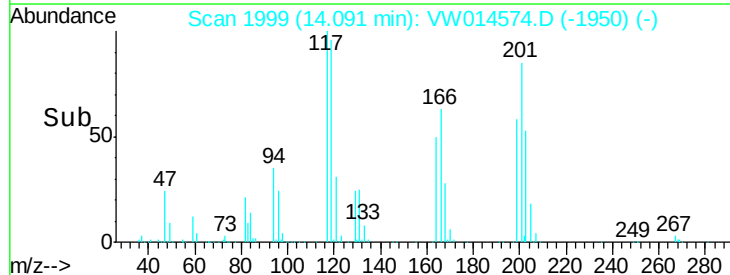
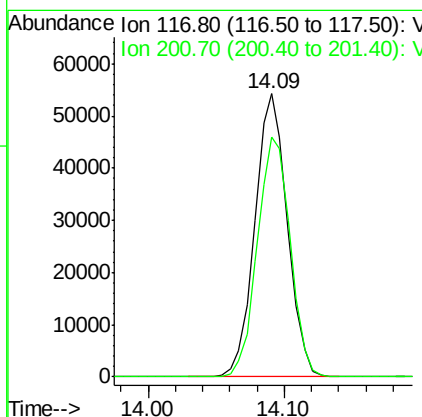
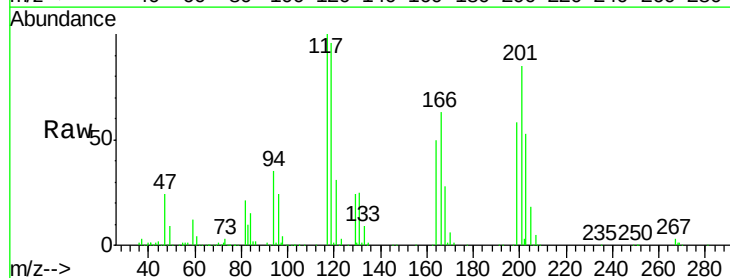
Manual Integrations
APPROVED

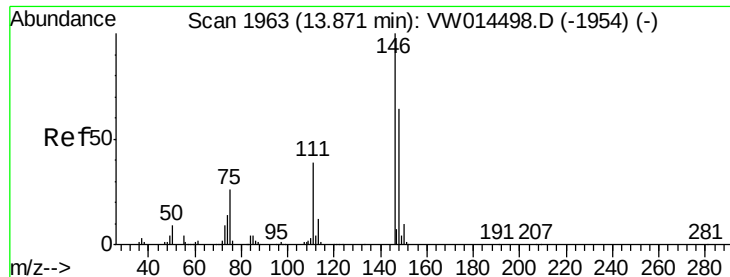
MMDadoda
1/10/2020 10:40:52 AM



#90
Hexachloroethane
Concen: 20.110 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.0	128.8





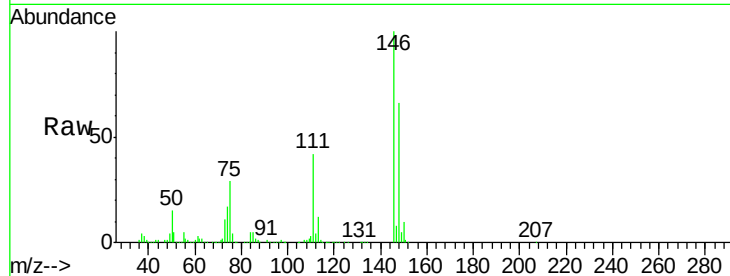
#91
 1,2-Dichlorobenzene
 Concen: 21.149 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

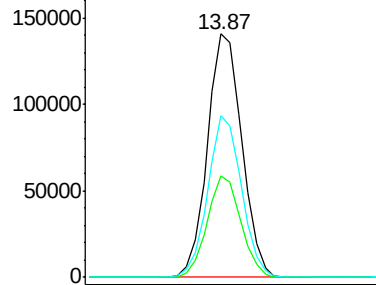
Tot Ion	Ratio	Resp	Lower	Upper
146	100	233702		
111	40.7		20.4	61.3
148	64.7		32.3	96.8

Manual Integrations
 APPROVED

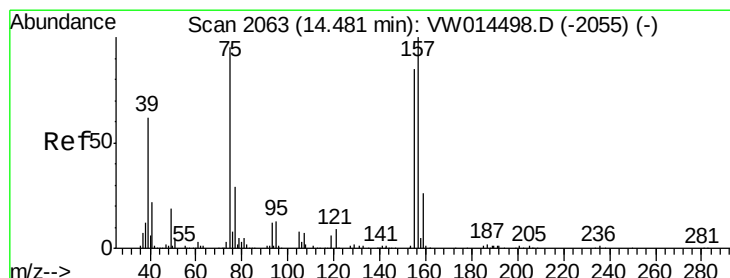
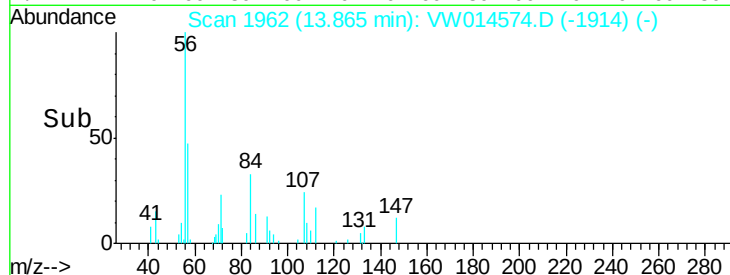
MMDadoda
 1/10/2020 10:40:52 AM



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

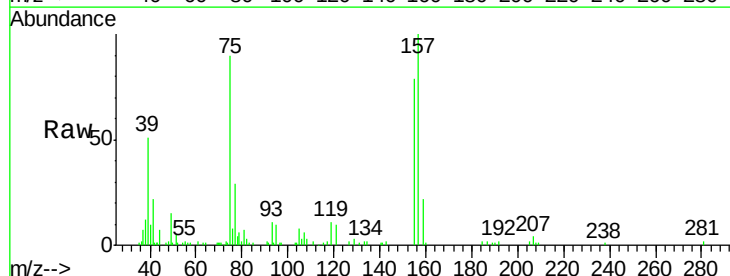


Time-->

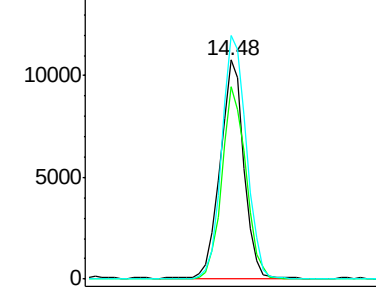


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.407 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

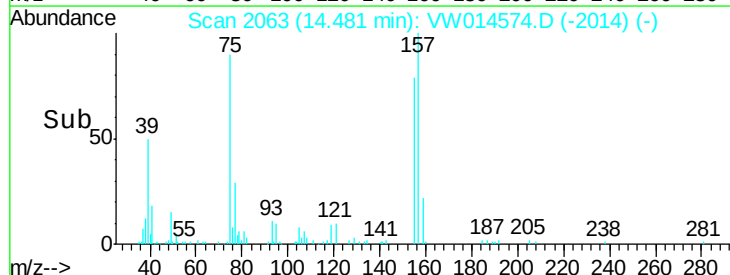
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17033		
155	87.8		45.8	137.4
157	114.3		58.1	174.2

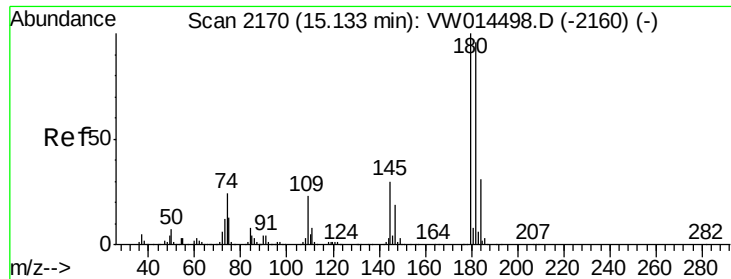


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



Time-->





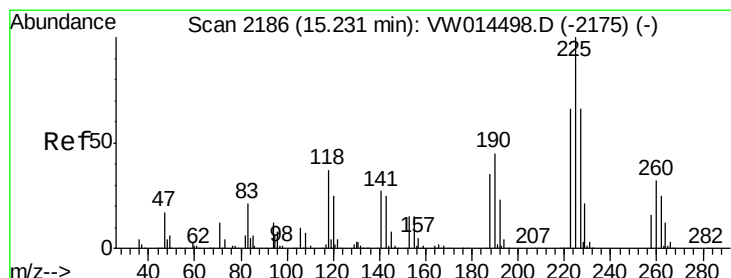
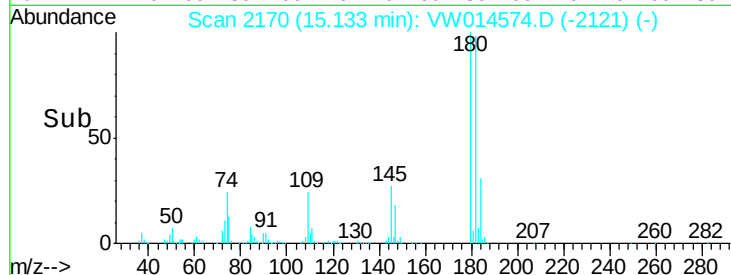
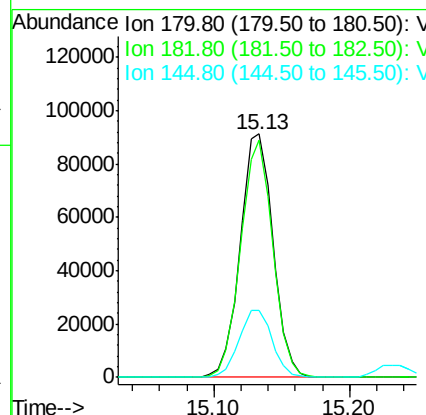
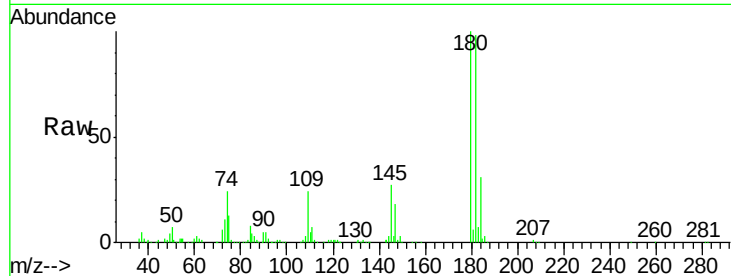
#93
 1,2,4-Trichlorobenzene
 Concen: 20.573 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	153527		
182	95.3	47.3	141.8	
145	27.9	14.7	44.1	

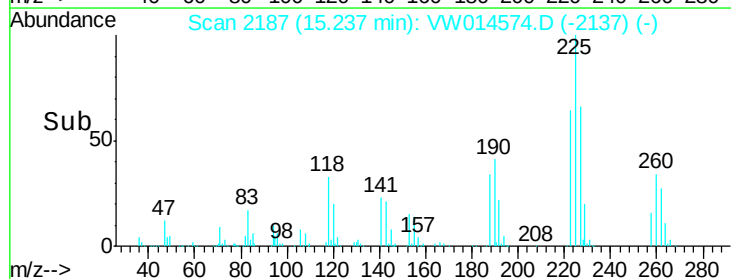
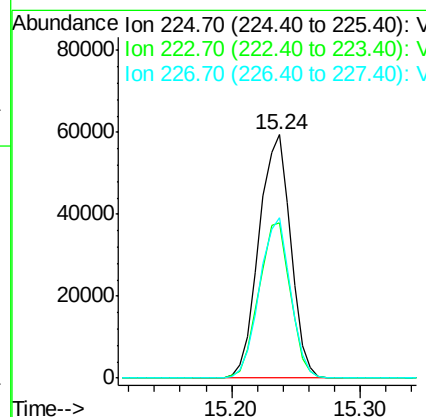
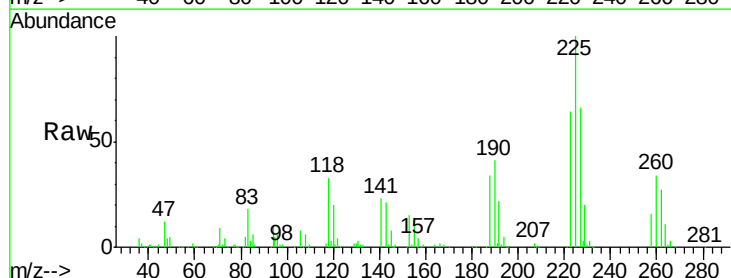
Manual Integrations
 APPROVED

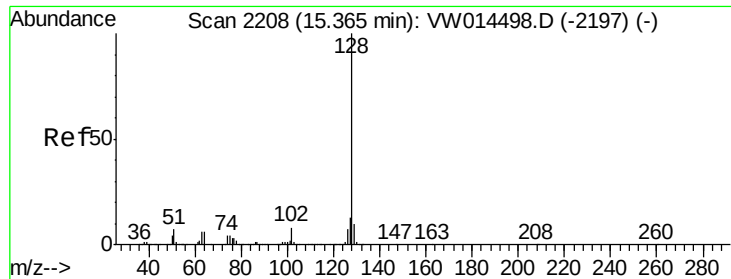
MMDadoda
 1/10/2020 10:40:52 AM



#94
 Hexachlorobutadiene
 Concen: 20.159 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014574.D
 Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100812		
223	63.5	32.4	97.2	
227	64.5	32.6	97.8	





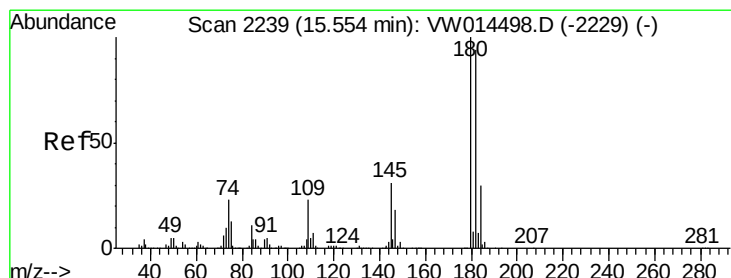
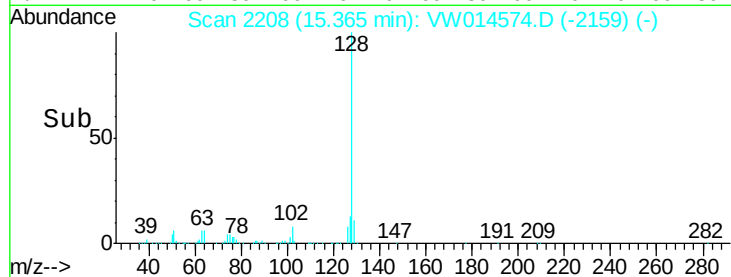
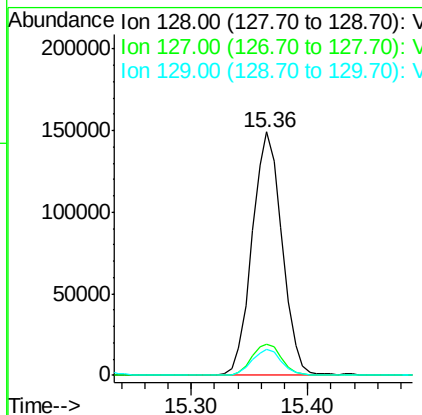
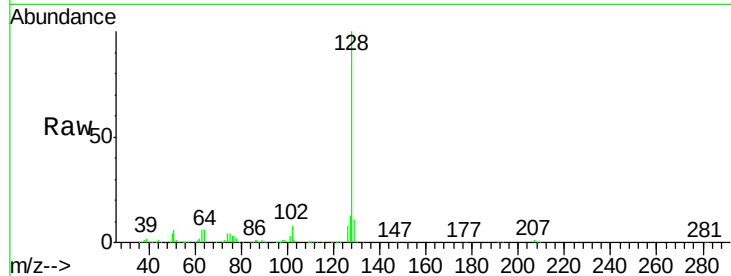
#95
Naphthalene
Concen: 20.888 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	265831		
127	13.1		10.6	15.8
129	10.6		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:40:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.953 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014574.D
Acq: 09 Jan 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136290		
182	97.9		47.4	142.2
145	31.0		15.5	46.5

