

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015224.D
 Acq On : 20 Apr 2020 15:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:43 AM

Quant Time: Apr 21 07:04:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	98758	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.88	113	98502	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
50) Toluene-d8	10.32	98	411579	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.62	95	159266	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	102712	53.913	ug/l	97
3) Chloromethane	2.21	50	111043	53.523	ug/l	99
4) Vinyl Chloride	2.36	62	132041	53.897	ug/l	100
5) Bromomethane	2.78	94	96180	55.215	ug/l	96
6) Chloroethane	2.92	64	79080	52.038	ug/l	99
7) Trichlorofluoromethane	3.26	101	179982	51.917	ug/l	100
8) Diethyl Ether	3.69	74	50285	51.676	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	110853	51.853	ug/l	94
10) Methyl Iodide	4.28	142	123420	54.965	ug/l	99
11) Tert butyl alcohol	5.18	59	34694	215.734	ug/l	100
12) 1,1-Dichloroethene	4.04	96	107126	52.060	ug/l	97
13) Acrolein	3.90	56	20478	243.289	ug/l	93
14) Allyl chloride	4.68	41	142457	52.185	ug/l	87
15) Acrylonitrile	5.37	53	93497	252.484	ug/l	98
16) Acetone	4.14	43	83587	242.577	ug/l	93
17) Carbon Disulfide	4.39	76	320376	52.391	ug/l	98
18) Methyl Acetate	4.68	43	44756	49.069	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	247037	52.297	ug/l	96
20) Methylene Chloride	4.92	84	113752	50.371	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	121311	51.981	ug/l	96
22) Diisopropyl ether	6.31	45	274752	52.464	ug/l	92
23) Vinyl Acetate	6.26	43	803327	261.402	ug/l	96
24) 1,1-Dichloroethane	6.22	63	191082	52.648	ug/l	99
25) 2-Butanone	7.17	43	115069	251.702	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	194205	50.861	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	132121	52.439	ug/l	100
28) Bromochloromethane	7.51	49	65646	49.747	ug/l #	77
29) Tetrahydrofuran	7.53	42	72160	253.352	ug/l	90
30) Chloroform	7.68	83	205988	52.586	ug/l	98
31) Cyclohexane	7.96	56	179663	49.246	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	196672	52.021	ug/l	99
36) 1,1-Dichloropropene	8.09	75	164254	53.829	ug/l	98
37) Ethyl Acetate	7.26	43	52110	52.620	ug/l #	97
38) Carbon Tetrachloride	8.07	117	177369	53.191	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015224.D
 Acq On : 20 Apr 2020 15:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:43 AM

Quant Time: Apr 21 07:04:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	215178	52.982	ug/l	98
40) Benzene	8.32	78	440196	54.005	ug/l	97
41) Methacrylonitrile	7.48	41	28749	48.383	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	128349	53.488	ug/l	99
43) Isopropyl Acetate	8.42	43	109628	52.781	ug/l	95
44) Trichloroethene	9.09	130	135289	54.262	ug/l	95
45) 1,2-Dichloropropane	9.37	63	101908	53.762	ug/l	96
46) Dibromomethane	9.46	93	58176	53.057	ug/l #	88
47) Bromodichloromethane	9.65	83	157016	53.567	ug/l	98
48) Methyl methacrylate	9.43	41	51227	52.173	ug/l #	86
49) 1,4-Dioxane	9.46	88	15868	1085.548	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	260836	267.523	ug/l	97
52) Toluene	10.38	92	316015	55.396	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	154824	53.568	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	181344	53.980	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	80614	52.504	ug/l	98
56) Ethyl methacrylate	10.65	69	106880	54.036	ug/l	93
57) 1,3-Dichloropropane	10.93	76	137130	53.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	238434	260.012	ug/l	90
59) 2-Hexanone	10.96	43	182863	262.737	ug/l	97
60) Dibromochloromethane	11.13	129	108083	53.316	ug/l	99
61) 1,2-Dibromoethane	11.23	107	79906	53.336	ug/l	99
64) Tetrachloroethene	10.86	164	122286	53.020	ug/l	94
65) Chlorobenzene	11.66	112	341548	53.861	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	120912	53.051	ug/l	97
67) Ethyl Benzene	11.73	91	630786	53.340	ug/l	99
68) m/p-Xylenes	11.84	106	498964	107.642	ug/l	99
69) o-Xylene	12.16	106	236016	54.549	ug/l	98
70) Styrene	12.18	104	405400	54.968	ug/l	99
71) Bromoform	12.35	173	67201	52.329	ug/l #	96
73) Isopropylbenzene	12.46	105	653835	52.006	ug/l	100
74) N-amyl acetate	12.27	43	112240	51.316	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	88811	49.753	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	69870m	49.809	ug/l	
77) Bromobenzene	12.74	156	150248	52.016	ug/l	85
78) n-propylbenzene	12.80	91	767852	52.455	ug/l	96
79) 2-Chlorotoluene	12.89	91	434613	52.684	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	564994	52.169	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	32170	50.132	ug/l	92
82) 4-Chlorotoluene	12.99	91	464290	53.008	ug/l	98
83) tert-Butylbenzene	13.21	119	492810	52.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	564064	52.806	ug/l	99
85) sec-Butylbenzene	13.38	105	689689	52.759	ug/l	98
86) p-Isopropyltoluene	13.49	119	640306	52.713	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	304383	53.036	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	301086	53.518	ug/l	98
89) n-Butylbenzene	13.82	91	573520	51.656	ug/l	98
90) Hexachloroethane	14.09	117	114904	51.581	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	262767	52.688	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16318	50.515	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
Data File : VW015224.D
Acq On : 20 Apr 2020 15:52
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

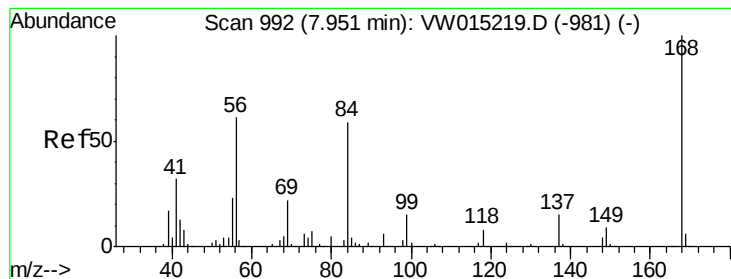
Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM

Quant Time: Apr 21 07:04:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	176448	50.901	ug/l	98
94) Hexachlorobutadiene	15.24	225	118655	51.341	ug/l	98
95) Naphthalene	15.36	128	287108	51.488	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	150430	53.336	ug/l	97

(#) = 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. -0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 241252

Ion Ratio Lower Upper

168 100

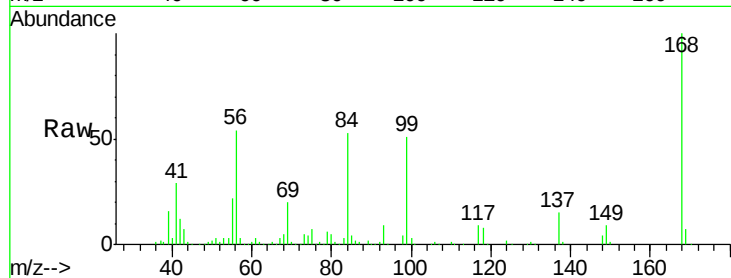
99 50.6 48.5 72.7

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

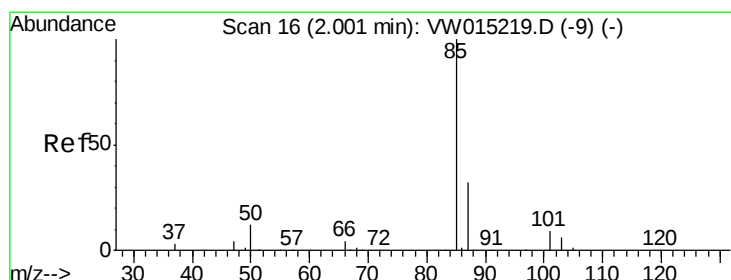
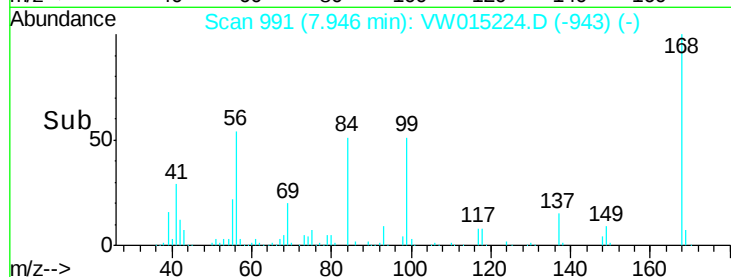
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.913 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015224.D

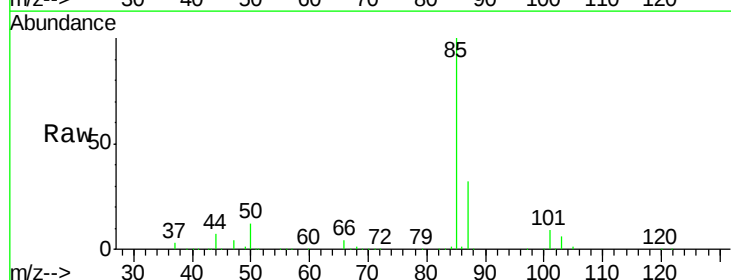
Acq: 20 Apr 2020 15:52

Tgt Ion: 85 Resp: 102712

Ion Ratio Lower Upper

85 100

87 32.5 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

60000

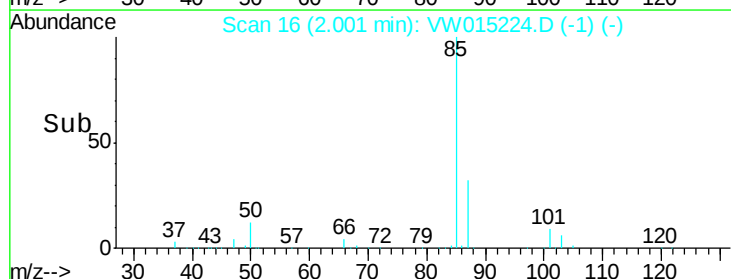
40000

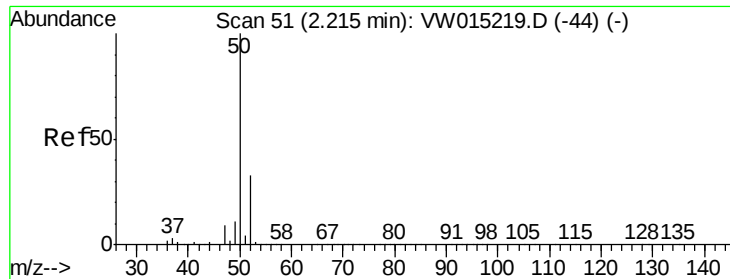
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 53.523 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 111043

Ion Ratio Lower Upper

50 100

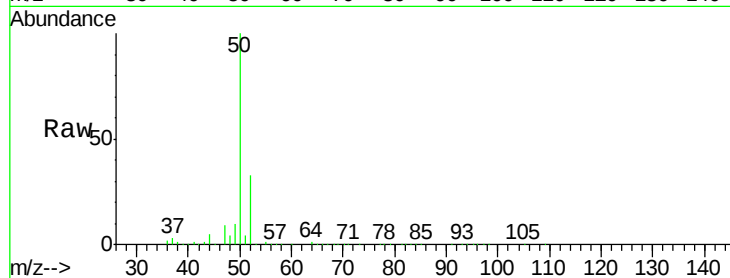
52 32.8 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:43 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

80000

60000

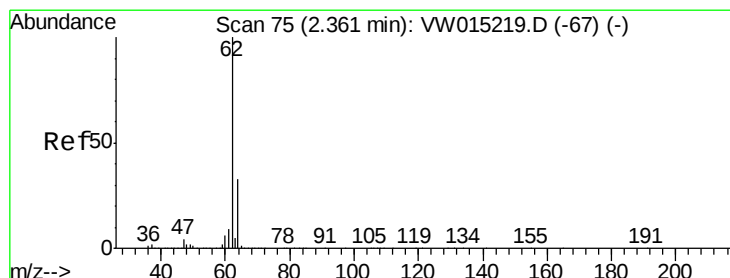
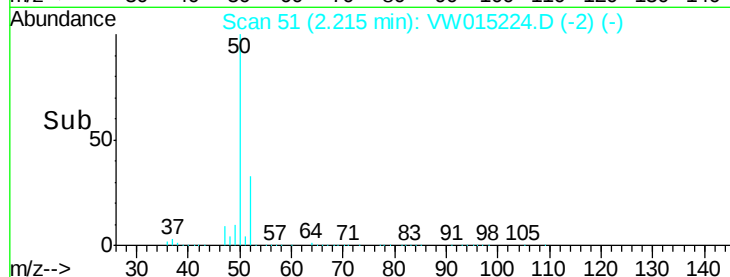
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 53.897 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015224.D

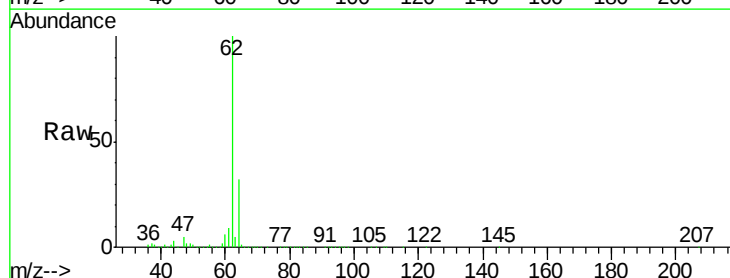
Acq: 20 Apr 2020 15:52

Tgt Ion: 62 Resp: 132041

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

100000

80000

60000

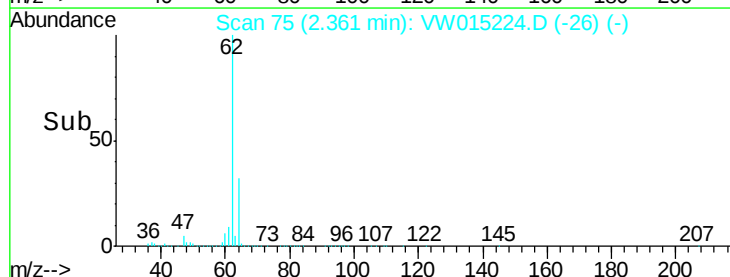
40000

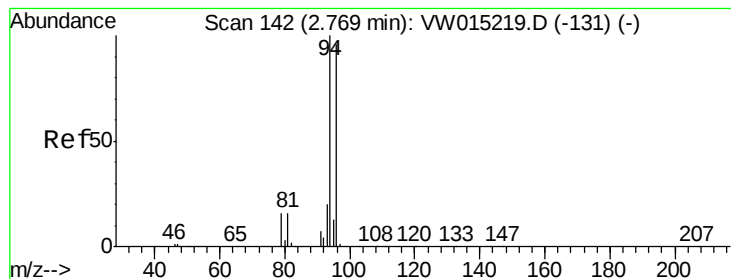
20000

0

Time-->

2.30 2.40





#5

Bromomethane

Concen: 55.215 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 96180

Ion Ratio Lower Upper

94 100

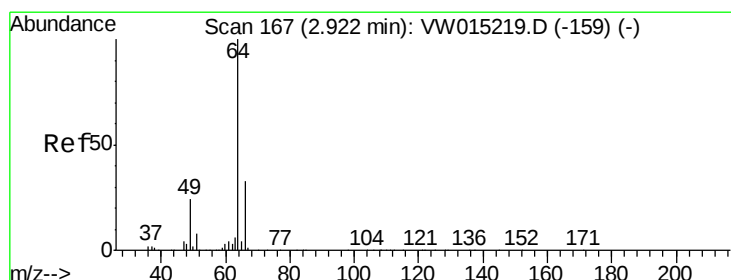
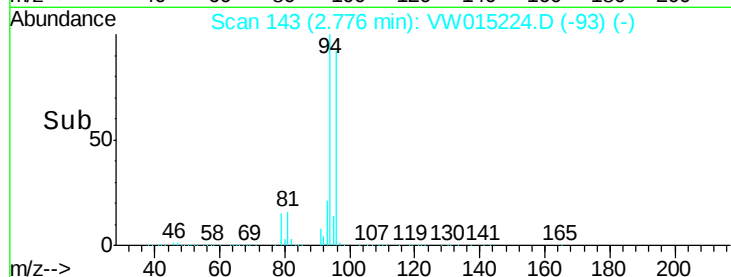
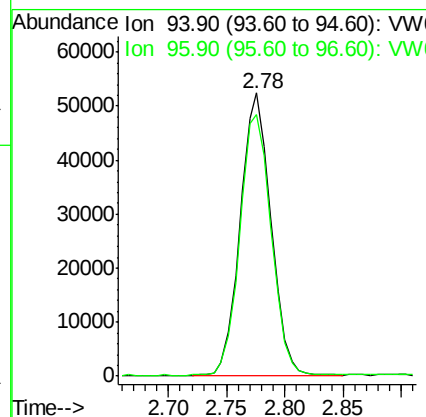
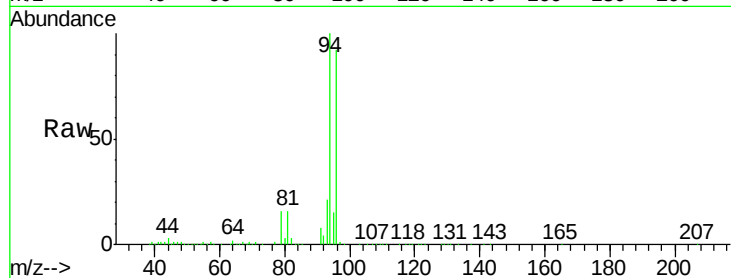
96 92.0 70.4 105.6

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:43 AM



#6

Chloroethane

Concen: 52.038 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015224.D

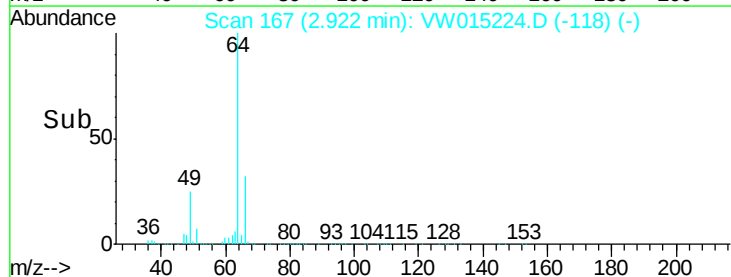
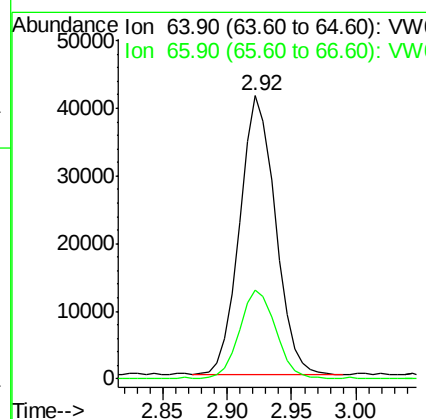
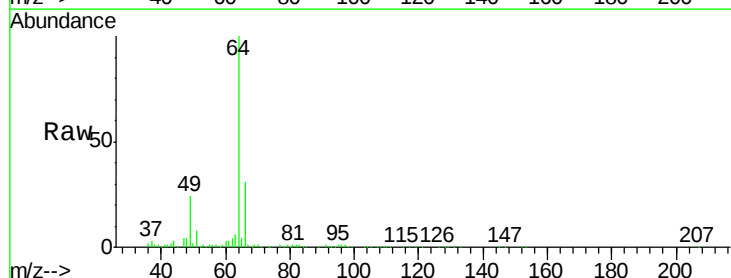
Acq: 20 Apr 2020 15:52

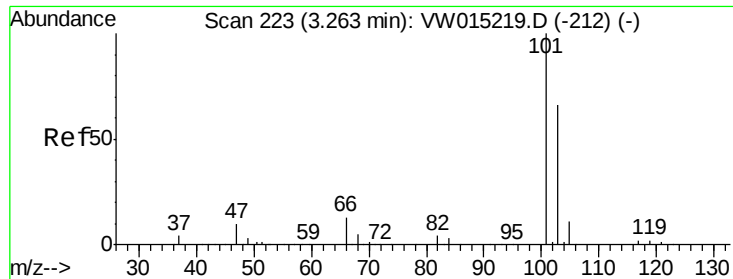
Tgt Ion: 64 Resp: 79080

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.6





#7

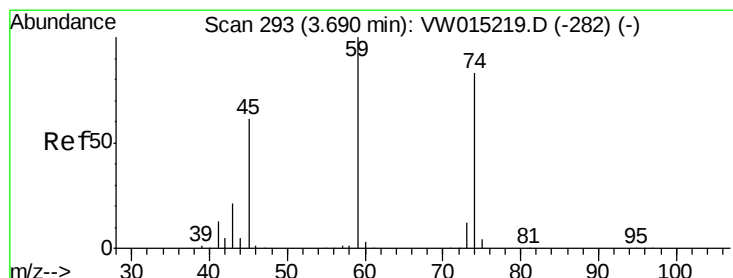
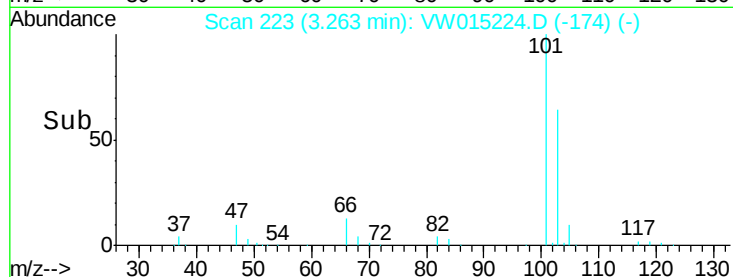
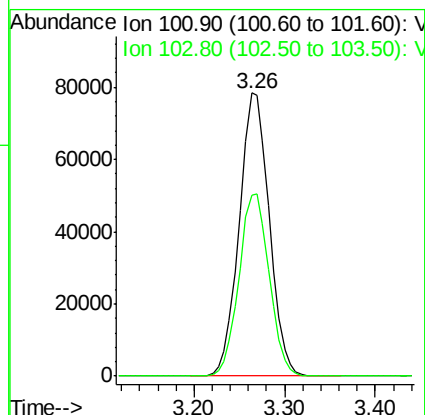
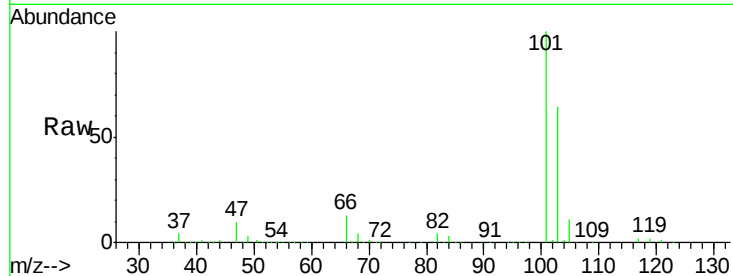
Trichlorofluoromethane
Concen: 51.917 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 179982
Ion Ratio Lower Upper
101 100
103 63.9 51.3 76.9

Manual Integrations
APPROVED

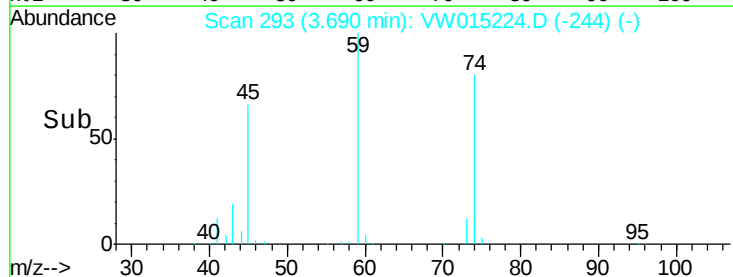
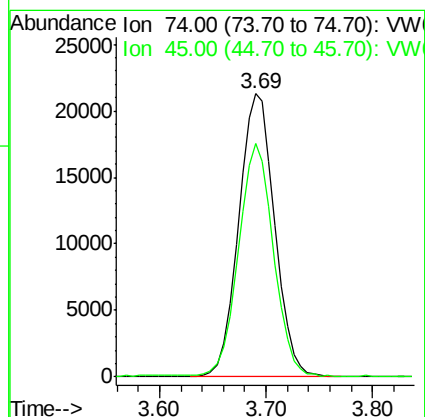
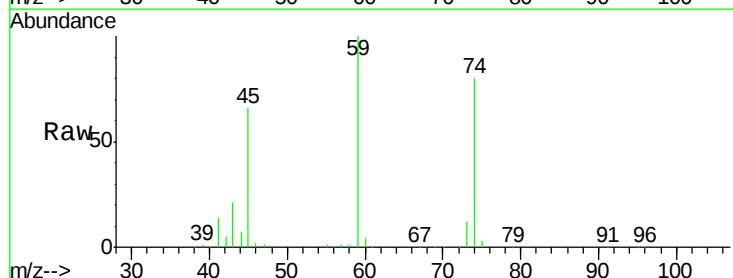
MMDadoda
4/21/2020 10:01:43 AM

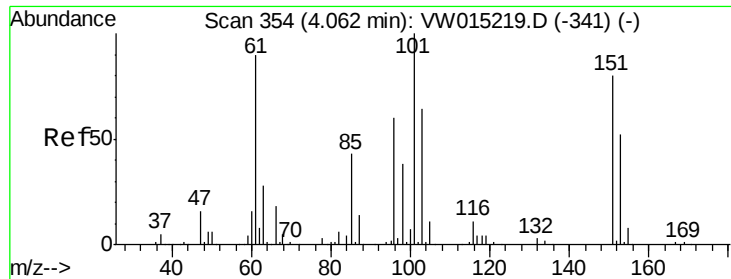


#8

Diethyl Ether
Concen: 51.676 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 74 Resp: 50285
Ion Ratio Lower Upper
74 100
45 80.7 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.853 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

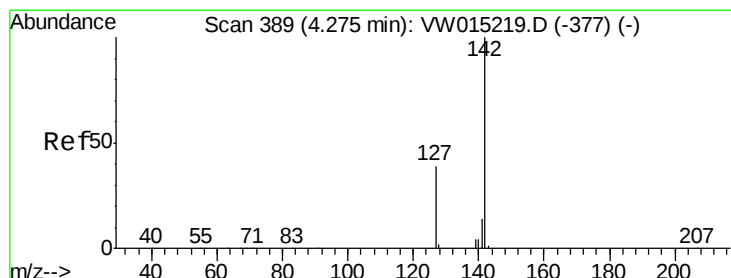
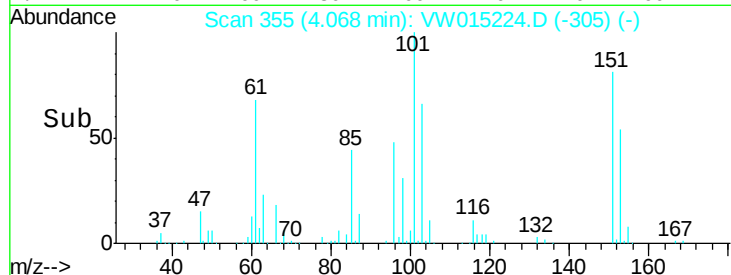
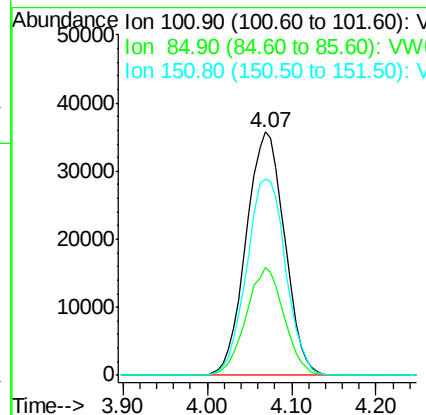
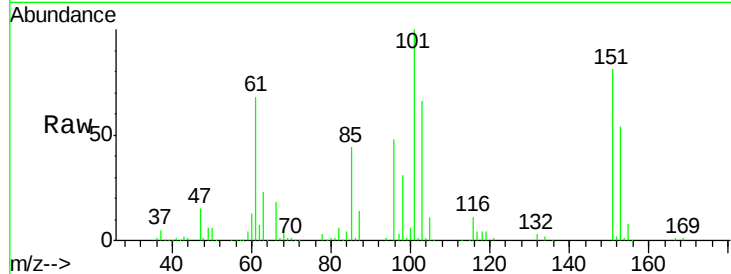
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	110853
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.3	52.9
151	82.2	59.3	88.9

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#10

Methyl Iodide

Concen: 54.965 ug/l

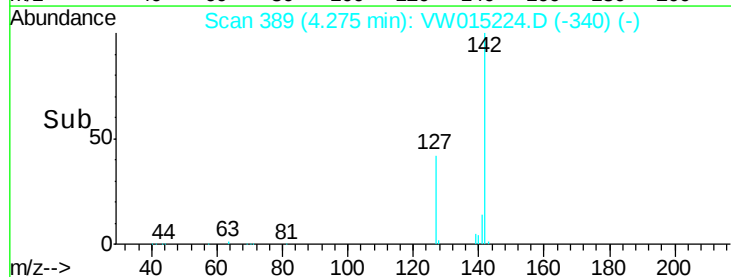
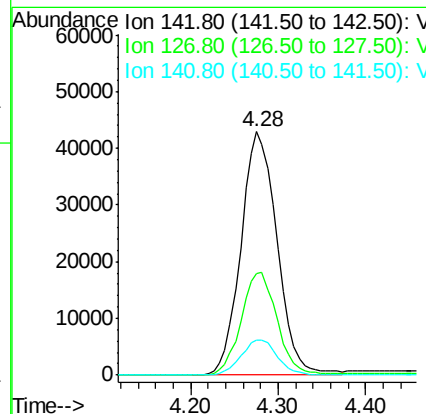
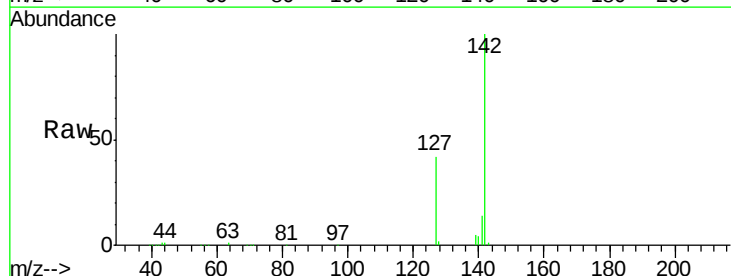
RT: 4.28 min Scan# 389

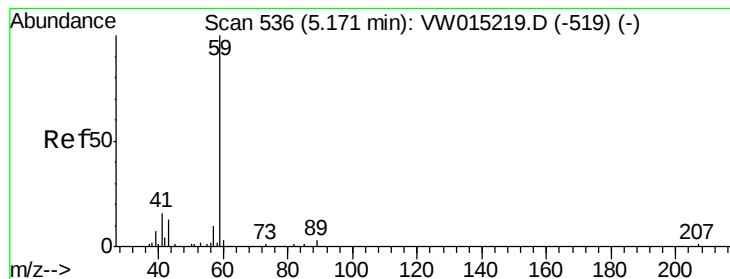
Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	142	Resp:	123420
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.9	50.9
141	14.5	11.4	17.2





#11

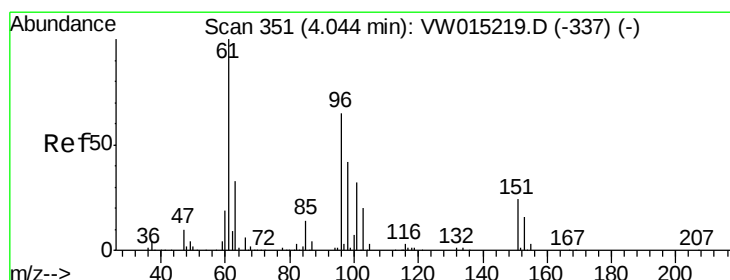
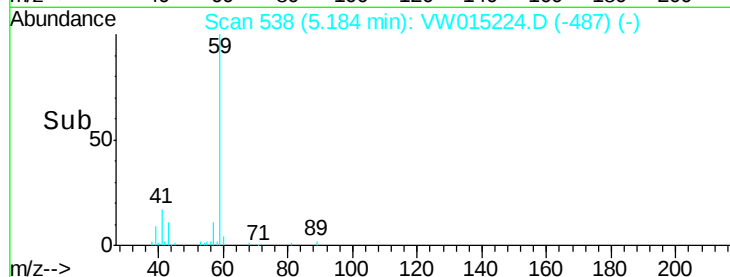
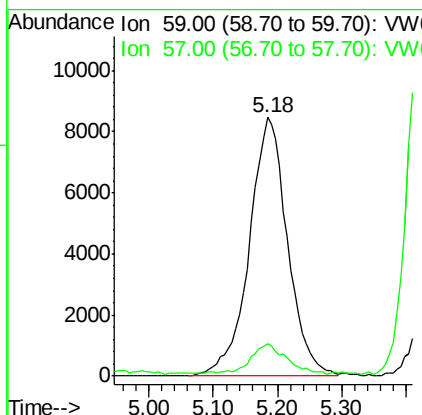
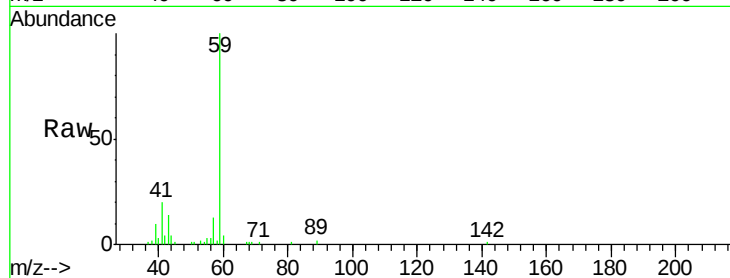
Tert butyl alcohol
Concen: 215.734 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	34694
Ion Ratio	100	Lower	Upper
57	10.6	8.4	12.6

Manual Integrations
APPROVED

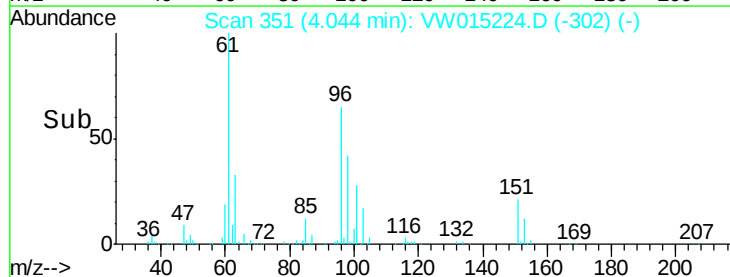
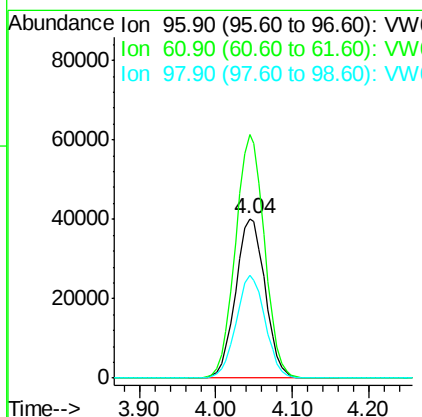
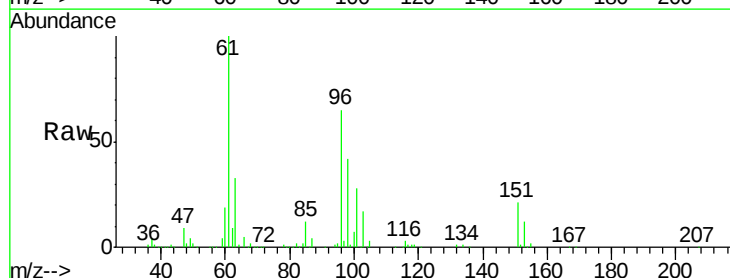
MMDadoda
4/21/2020 10:01:43 AM

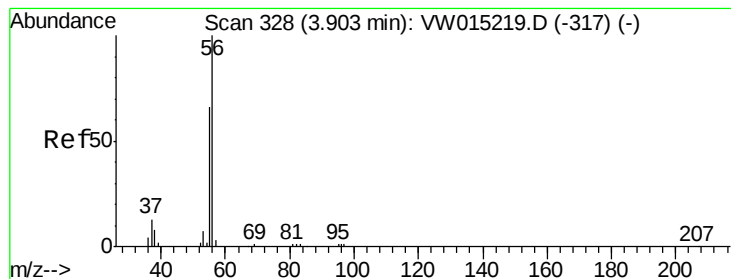


#12

1,1-Dichloroethene
Concen: 52.060 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	96	Resp	107126
Ion Ratio	100	Lower	Upper
61	152.9	127.0	190.4
98	64.6	51.0	76.4





#13

Acrolein

Concen: 243.289 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 20478

Ion Ratio Lower Upper

56 100

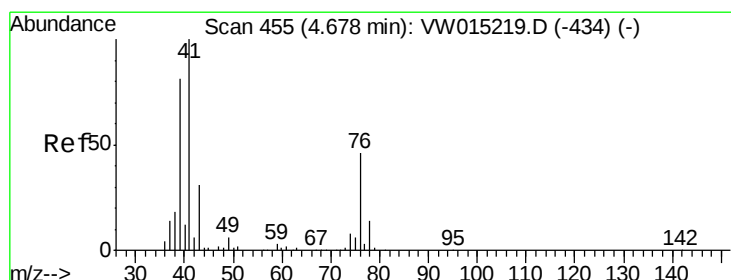
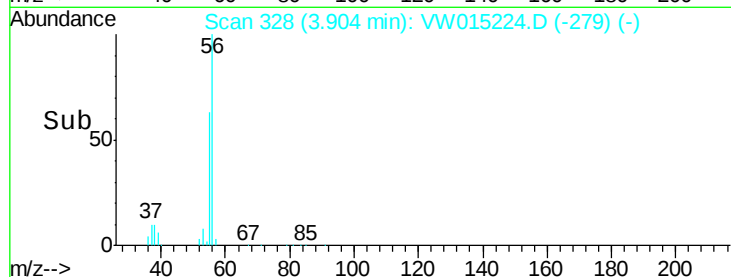
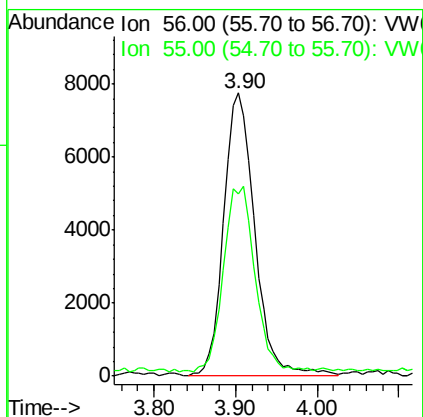
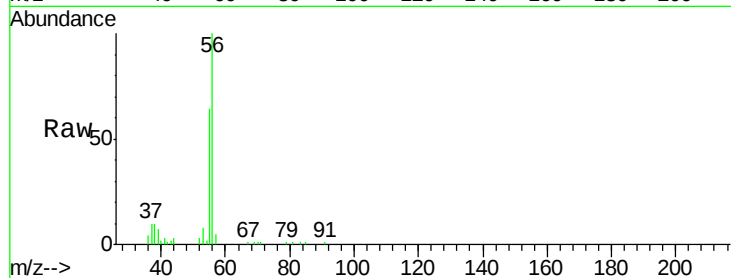
55 64.8 56.2 84.2

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:43 AM



#14

Allyl chloride

Concen: 52.185 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

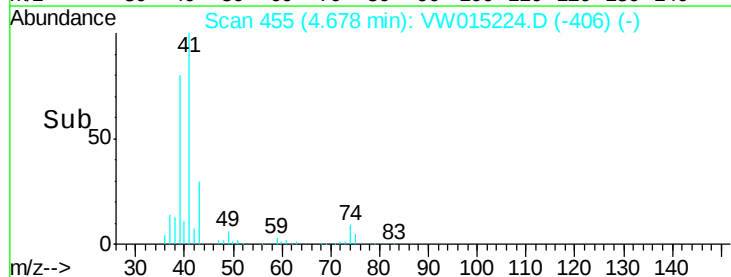
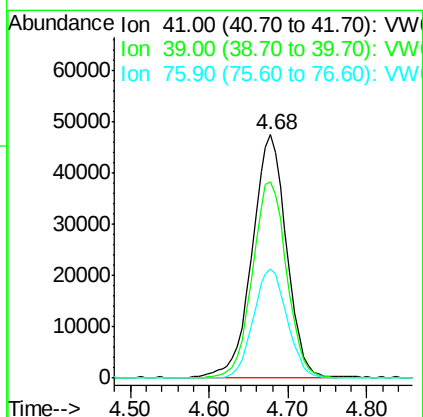
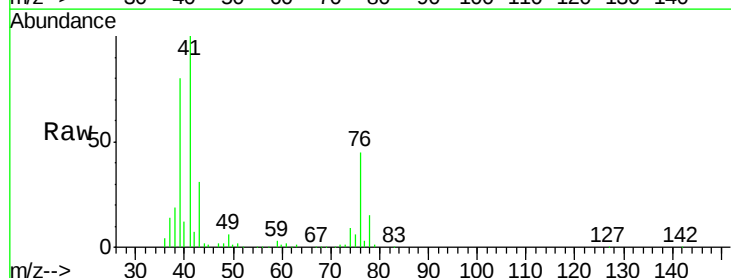
Tgt Ion: 41 Resp: 142457

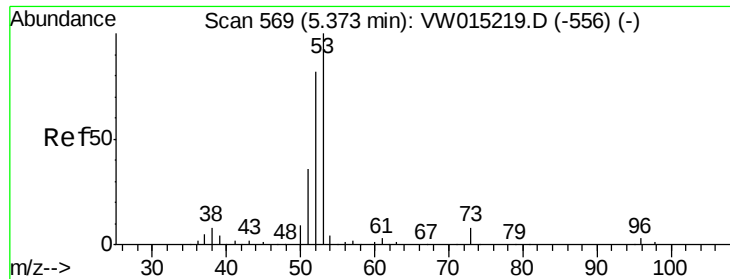
Ion Ratio Lower Upper

41 100

39 80.5 54.0 81.0

76 44.2 31.8 47.6





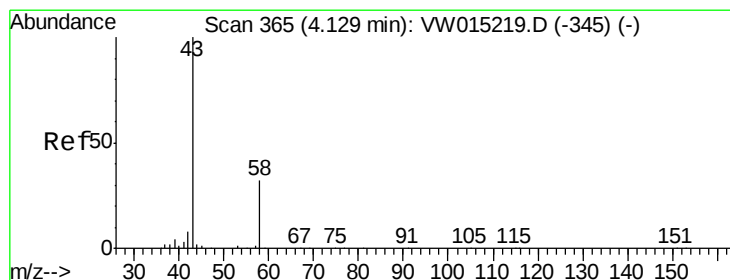
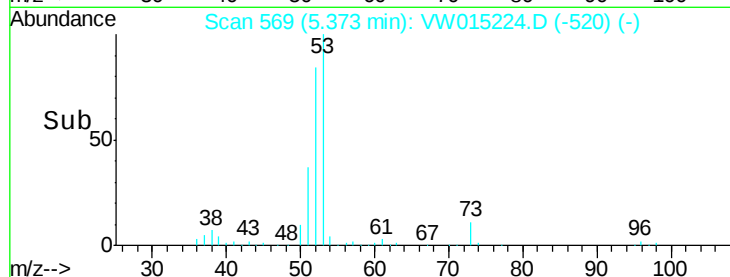
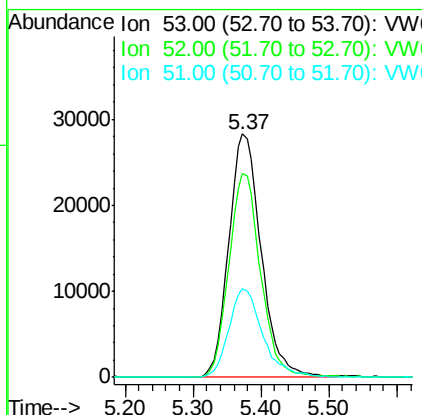
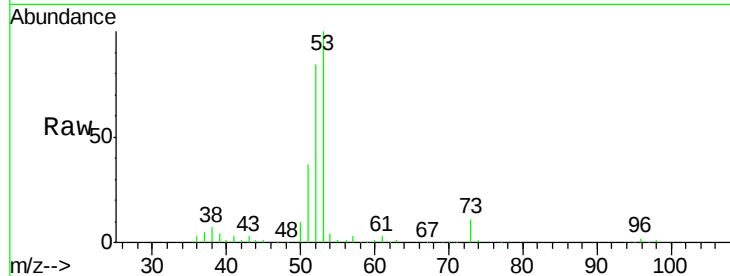
#15
 Acrylonitrile
 Concen: 252.484 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	93497
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.2	97.8
51	38.1	28.2	42.4

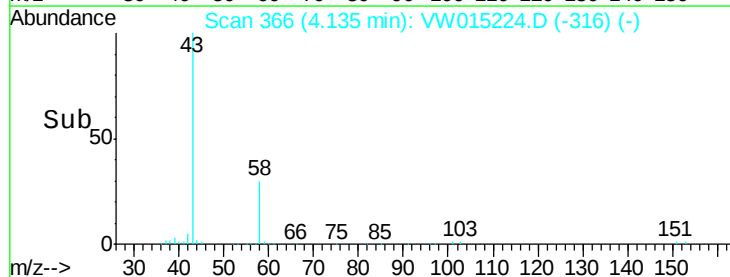
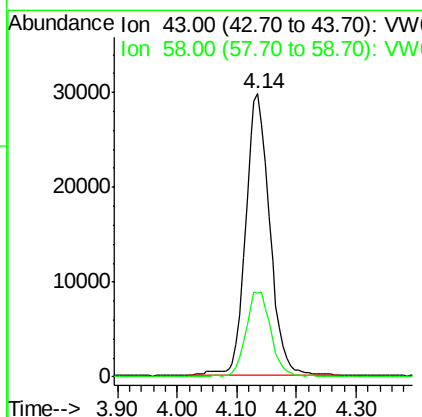
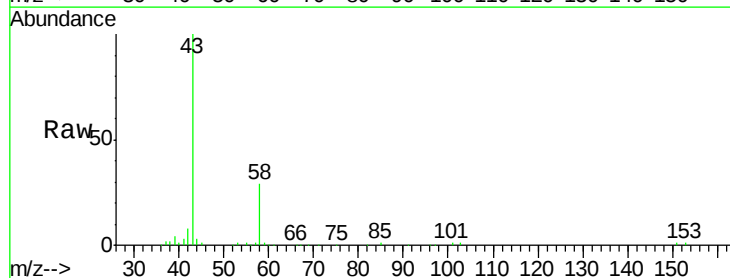
Manual Integrations
 APPROVED

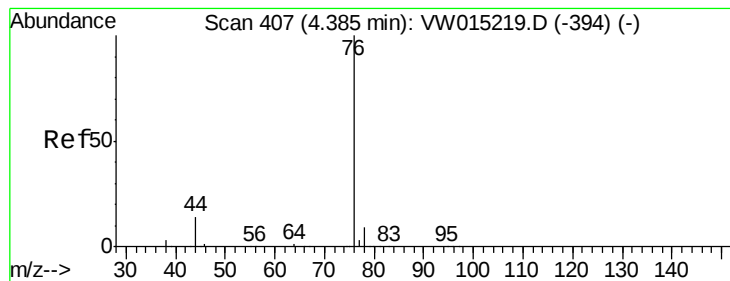
MMDadoda
 4/21/2020 10:01:43 AM



#16
 Acetone
 Concen: 242.577 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion:	43	Resp:	83587
Ion	Ratio	Lower	Upper
43	100		
58	29.6	27.0	40.4





#17

Carbon Disulfide

Concen: 52.391 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 320376

Ion Ratio Lower Upper

76 100

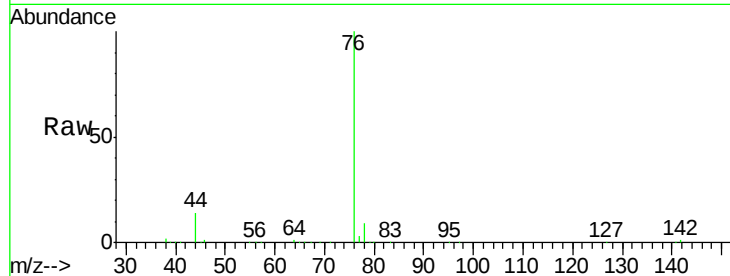
78 9.4 7.0 10.6

Manual Integrations

APPROVED

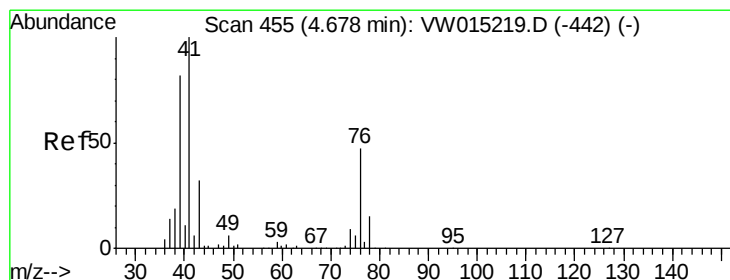
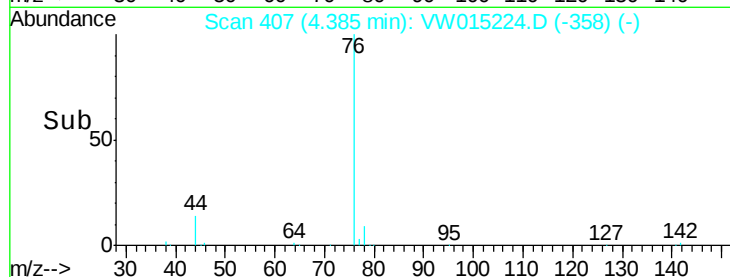
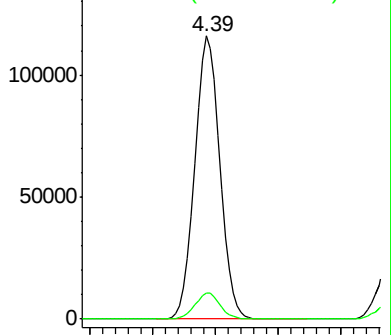
MMDadoda

4/21/2020 10:01:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 49.069 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015224.D

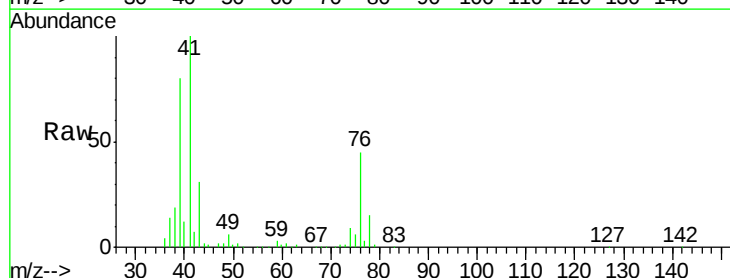
Acq: 20 Apr 2020 15:52

Tgt Ion: 43 Resp: 44756

Ion Ratio Lower Upper

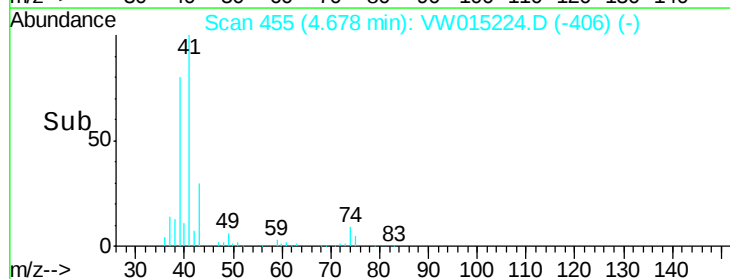
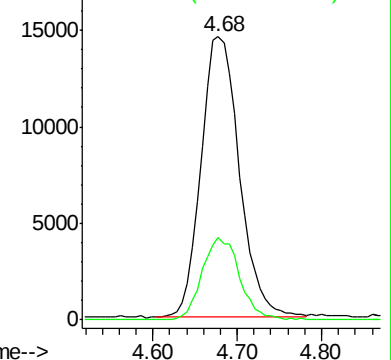
43 100

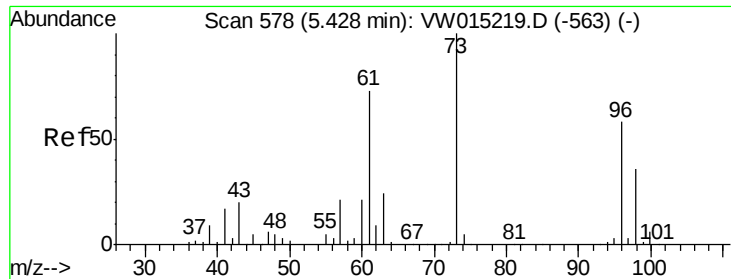
74 28.5 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





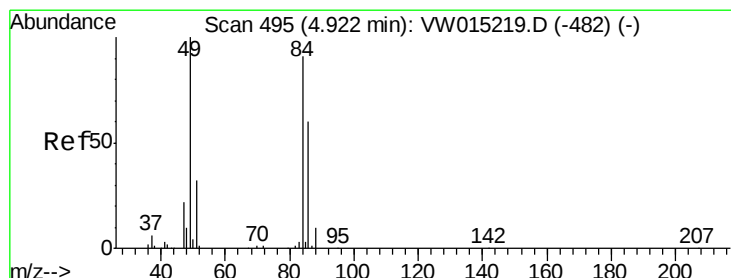
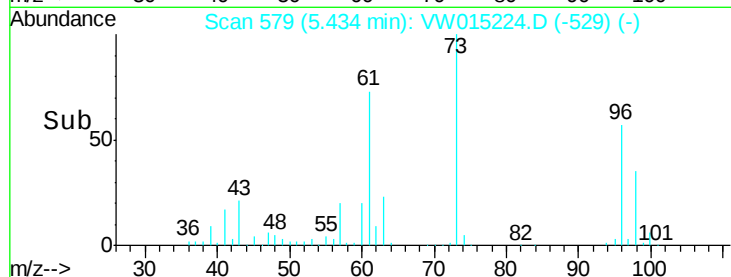
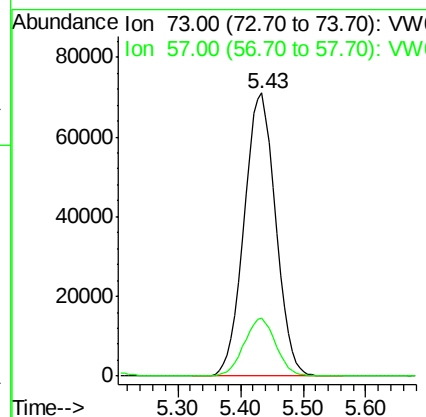
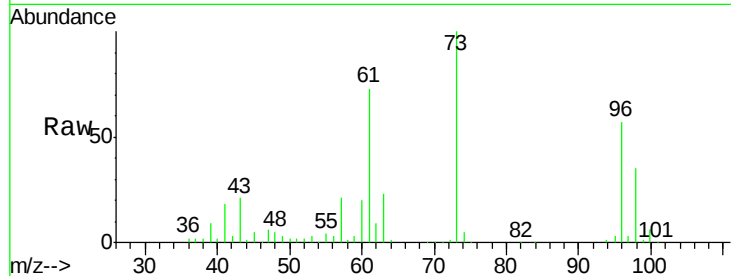
#19
Methvl tert-butvl Ether
Concen: 52.297 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 247037
Ion Ratio Lower Upper
73 100
57 20.4 17.8 26.6

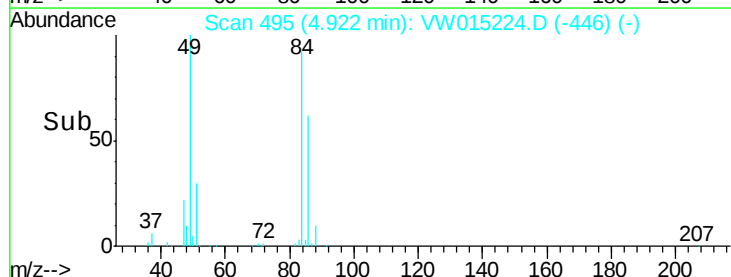
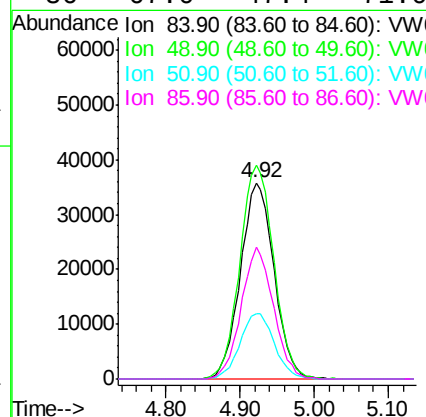
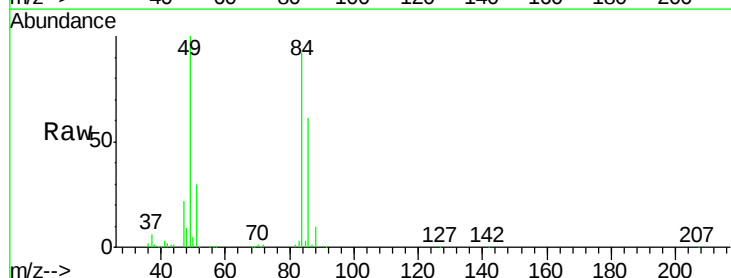
Manual Integrations
APPROVED

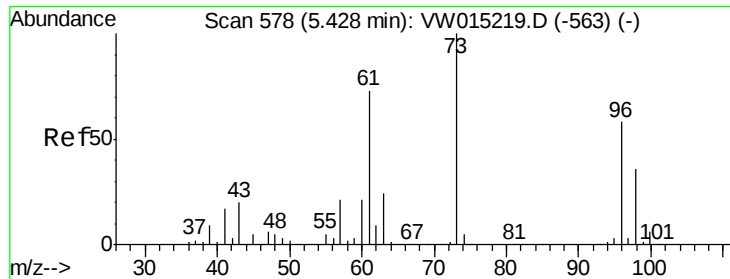
MMDadoda
4/21/2020 10:01:43 AM



#20
Methylene Chloride
Concen: 50.371 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 84 Resp: 113752
Ion Ratio Lower Upper
84 100
49 109.0 95.4 143.0
51 33.2 29.8 44.8
86 67.0 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 51.981 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

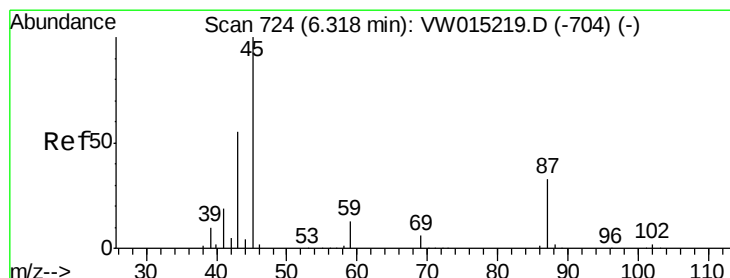
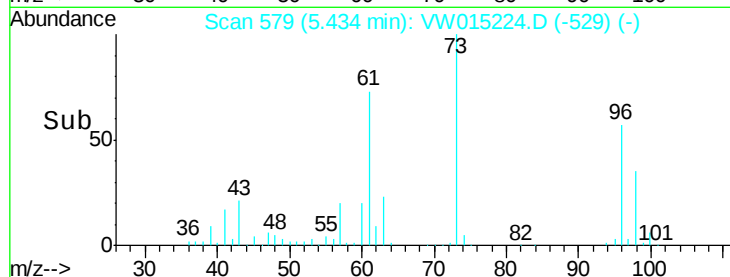
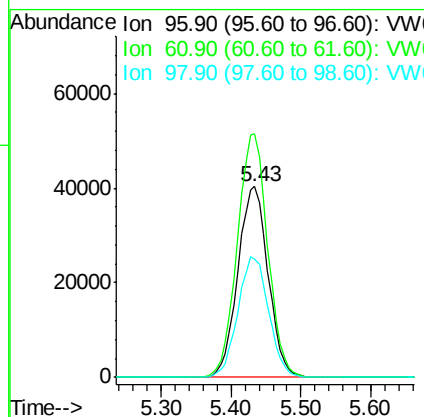
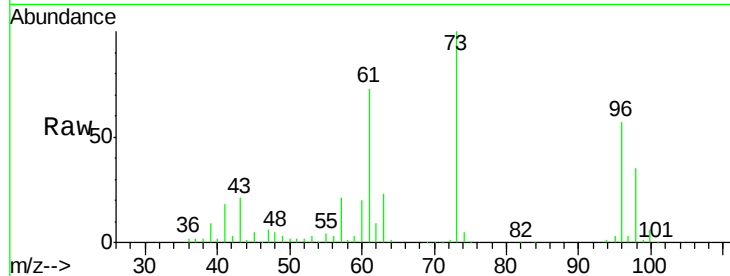
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	121311
Ion	Ratio	Lower	Upper
96	100		
61	127.6	107.8	161.6
98	61.8	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#22

Diisopropyl ether

Concen: 52.464 ug/l

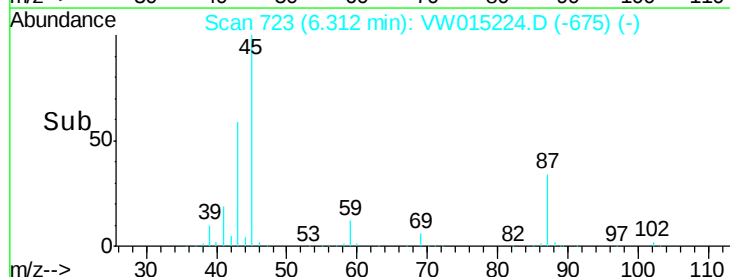
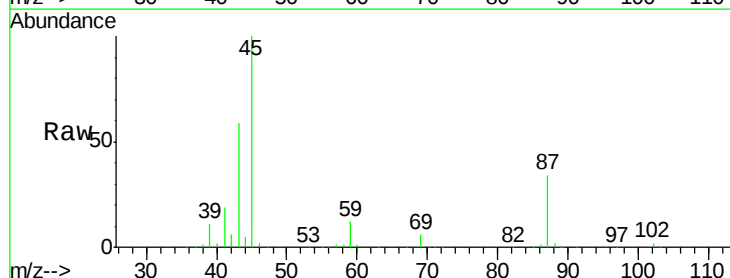
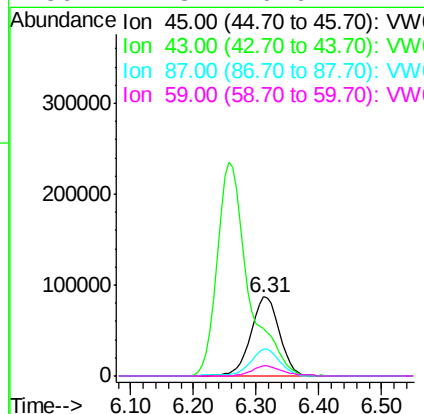
RT: 6.31 min Scan# 723

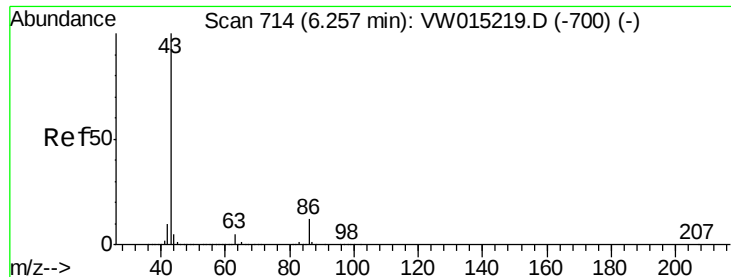
Delta R.T. -0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	45	Resp:	274752
Ion	Ratio	Lower	Upper
45	100		
43	59.0	41.8	62.6
87	33.6	23.2	34.8
59	12.3	9.6	14.4





#23

Vinyl Acetate

Concen: 261.402 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015224.D

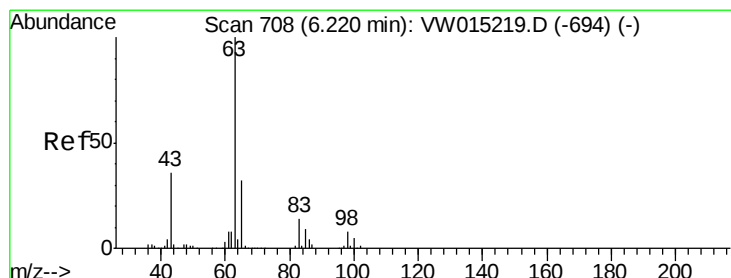
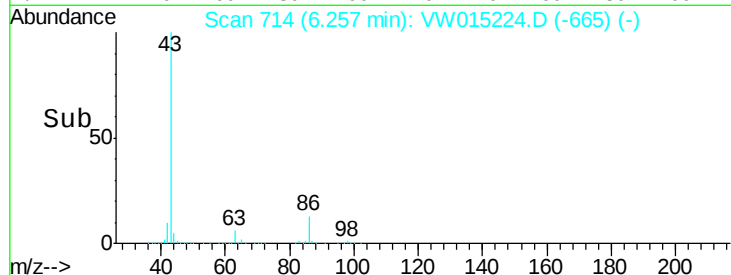
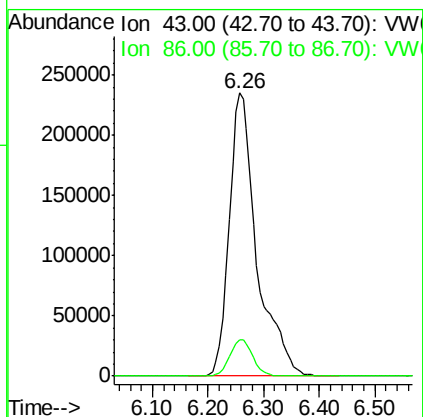
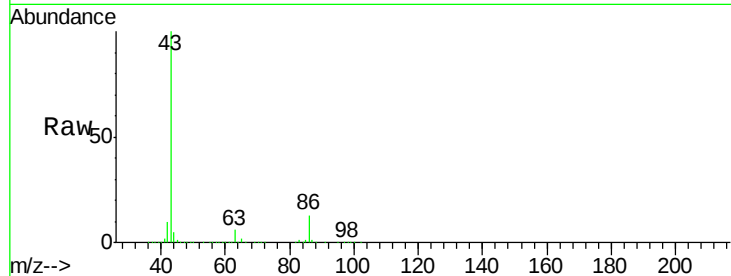
Acq: 20 Apr 2020 15:52

Tot Ion:	43	Resp:	803327
Ion	Ratio	Lower	Upper
43	100		
86	13.0	9.1	13.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#24

1,1-Dichloroethane

Concen: 52.648 ug/l

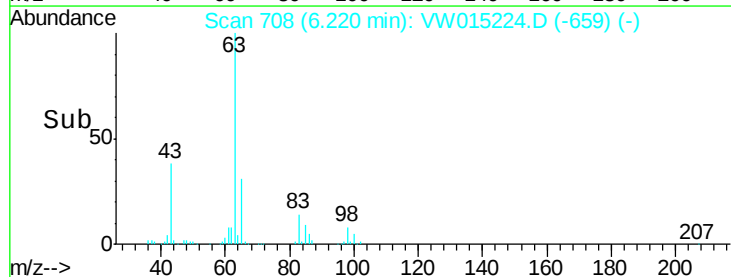
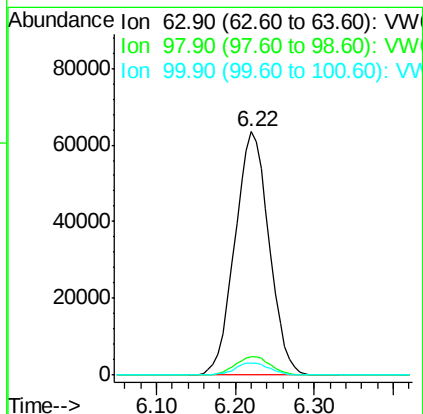
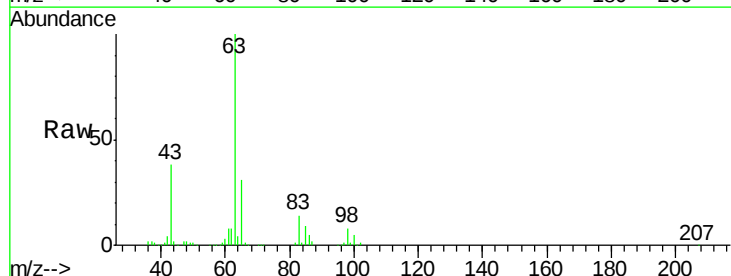
RT: 6.22 min Scan# 708

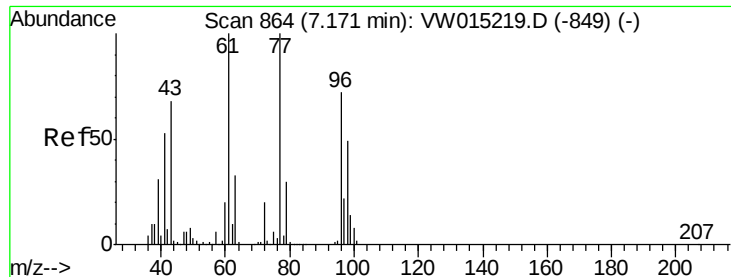
Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	63	Resp:	191082
Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.9
100	5.1	2.4	7.2





#25

2-Butanone

Concen: 251.702 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 115069

Ion Ratio Lower Upper

43 100

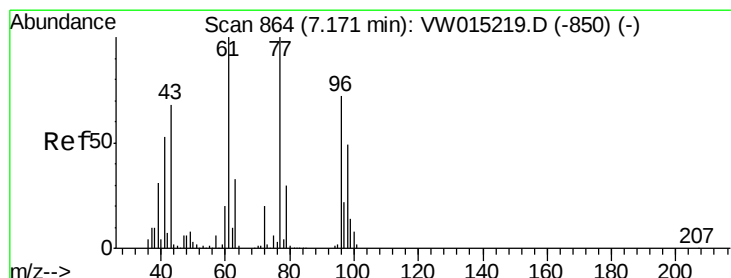
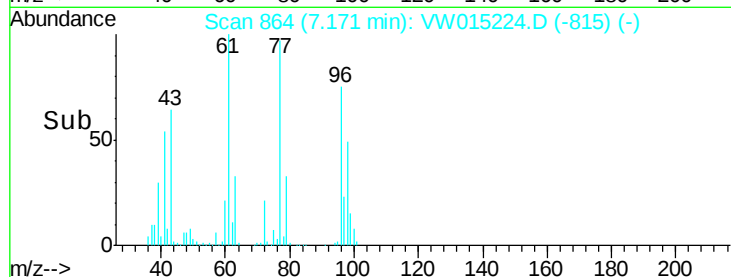
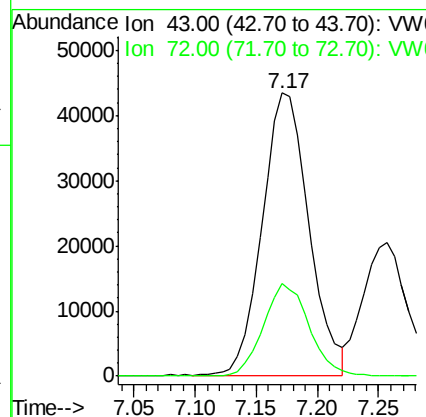
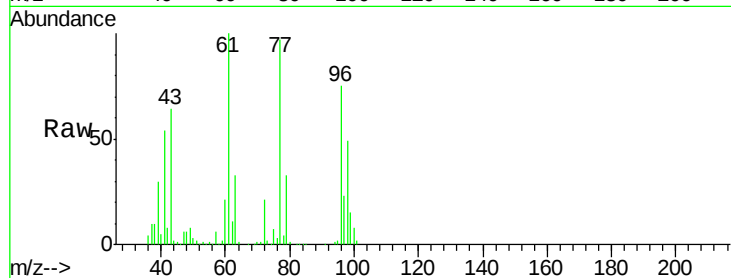
72 32.8 21.6 32.4#

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:43 AM



#26

2,2-Dichloropropane

Concen: 50.861 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015224.D

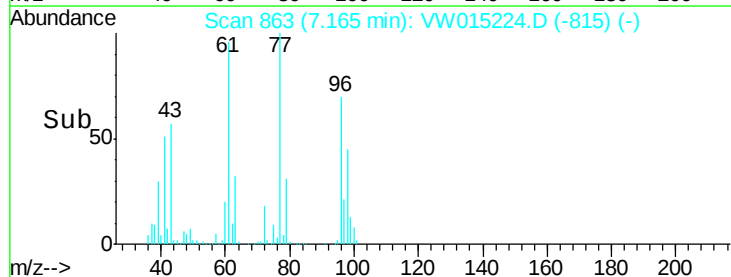
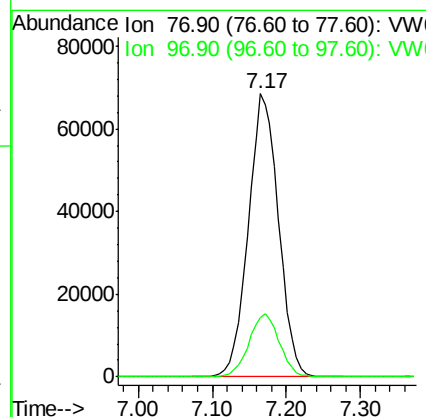
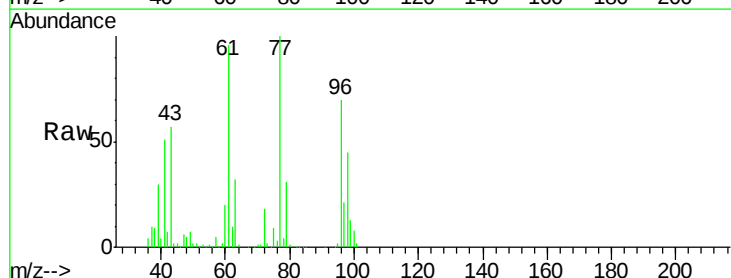
Acq: 20 Apr 2020 15:52

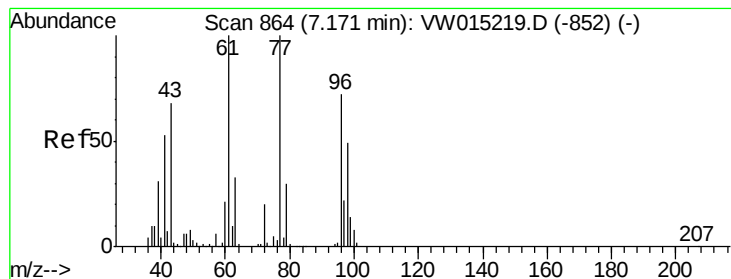
Tgt Ion: 77 Resp: 194205

Ion Ratio Lower Upper

77 100

97 22.4 11.9 35.5





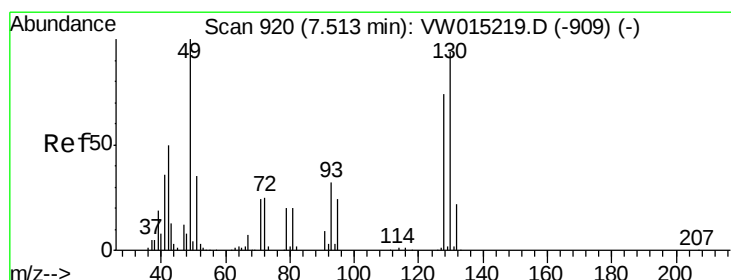
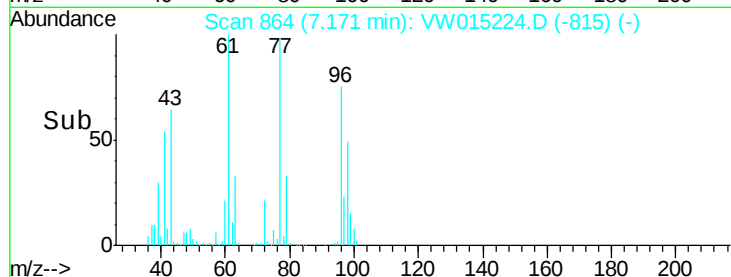
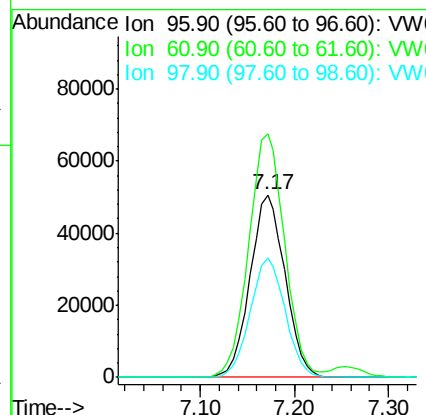
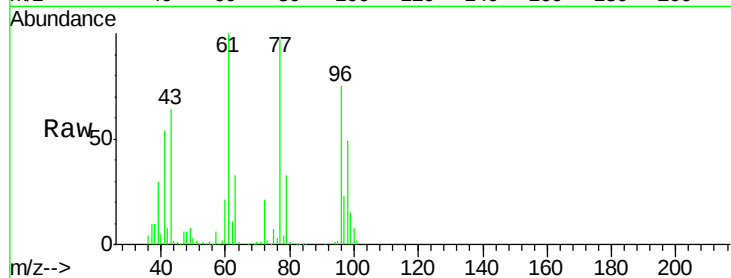
#27
 cis-1,2-Dichloroethene
 Concen: 52.439 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	132121		
61	136.8	0.0	275.0	
98	65.5	0.0	130.8	

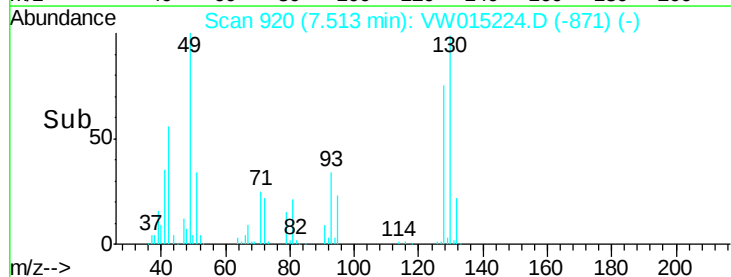
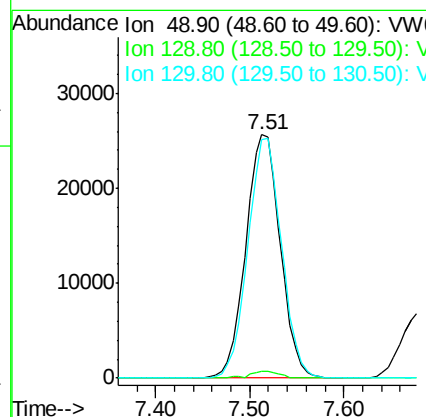
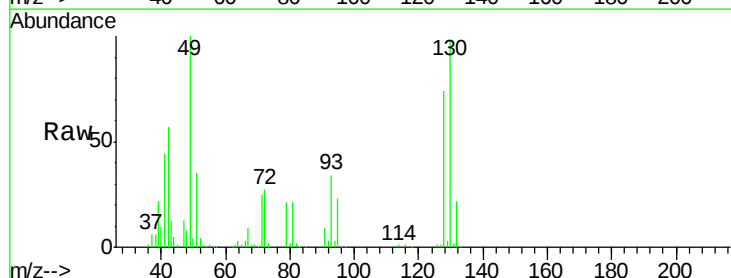
Manual Integrations
 APPROVED

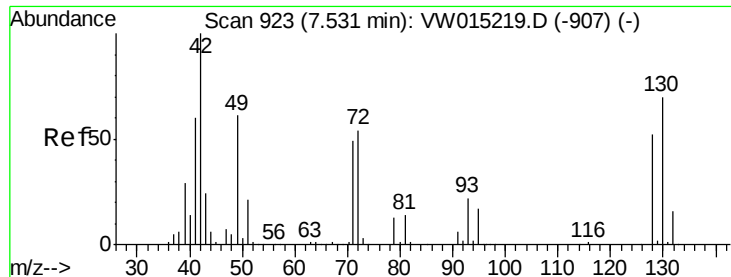
MMDadoda
 4/21/2020 10:01:43 AM



#28
 Bromochloromethane
 Concen: 49.747 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65646		
129	2.3	0.0	4.6	
130	96.5	60.9	91.3#	





#29

Tetrahydrofuran

Concen: 253.352 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

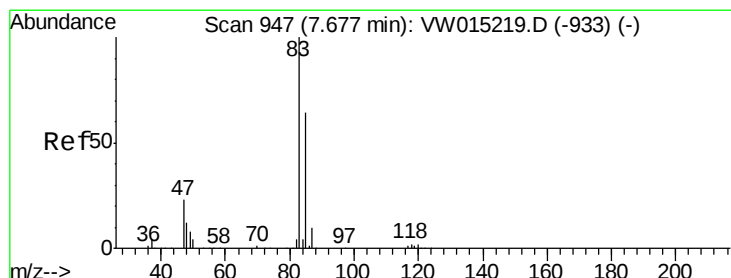
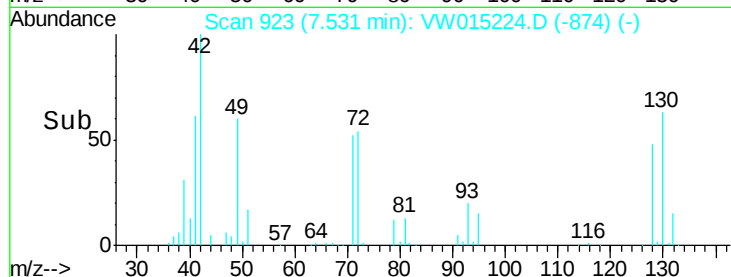
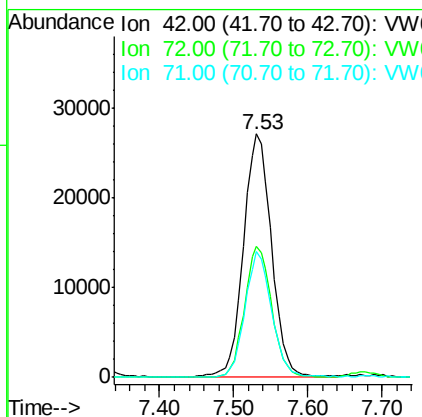
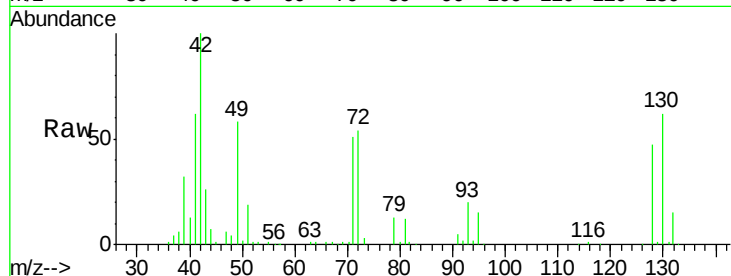
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	72160
Ion	Ratio	Lower	Upper
42	100		
72	52.0	36.2	54.2
71	48.9	34.2	51.4

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#30

Chloroform

Concen: 52.586 ug/l

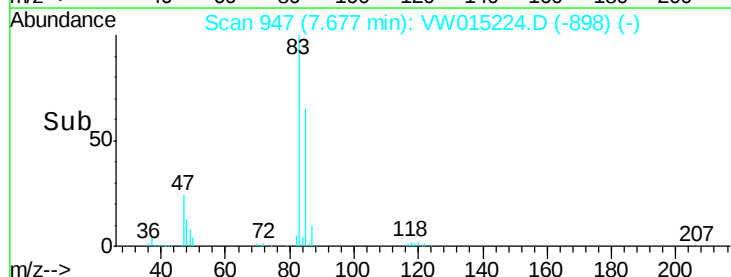
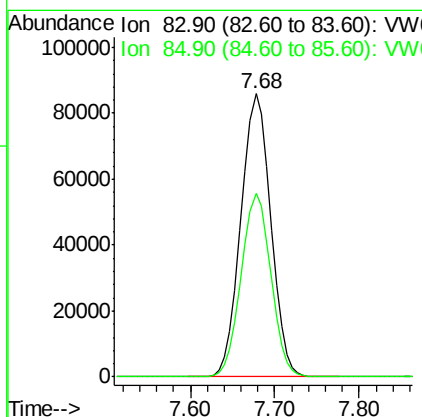
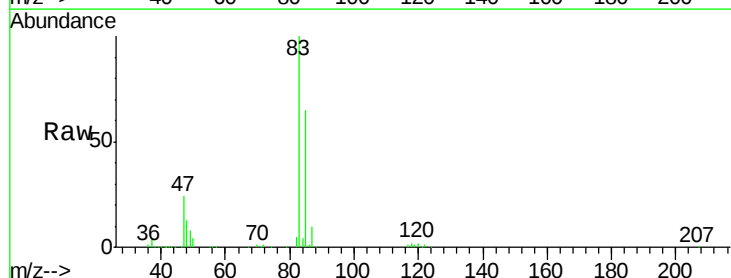
RT: 7.68 min Scan# 947

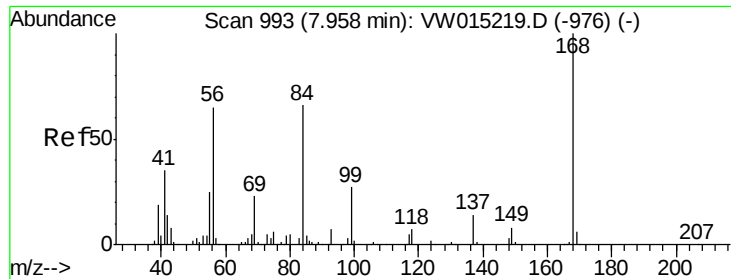
Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	83	Resp:	205988
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3





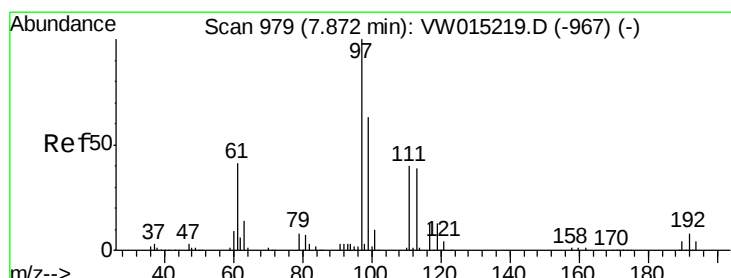
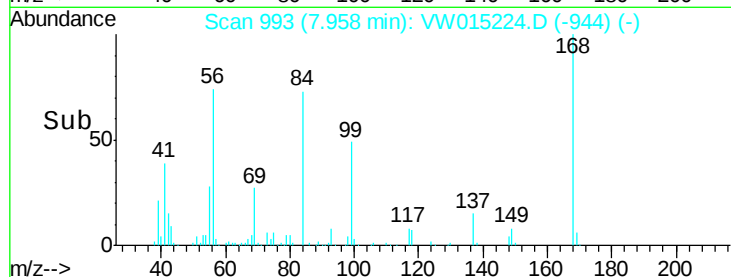
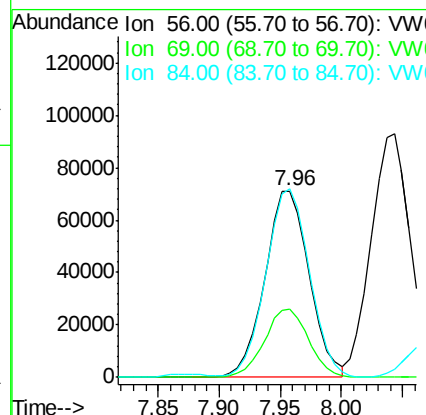
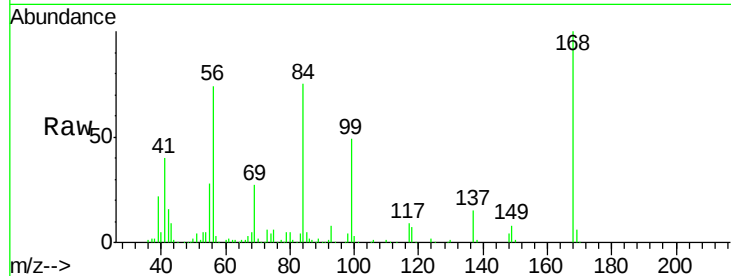
#31
Cyclohexane
Concen: 49.246 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	27.1	40.7
84	99.6	71.9	107.9

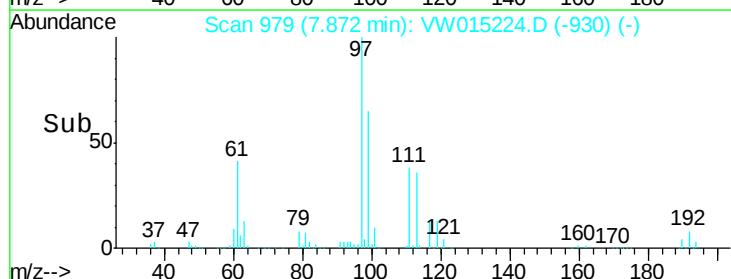
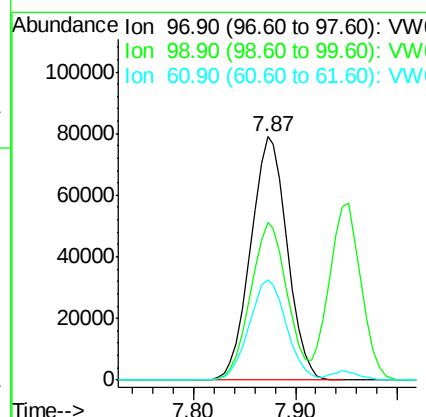
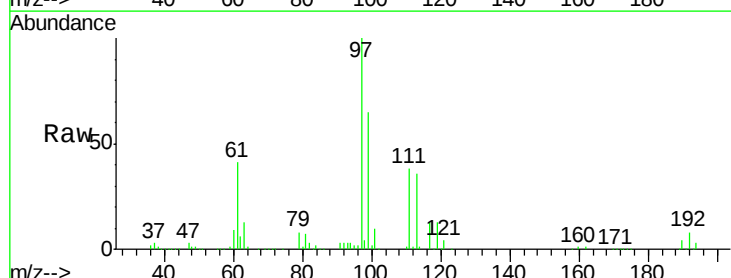
Manual Integrations
APPROVED

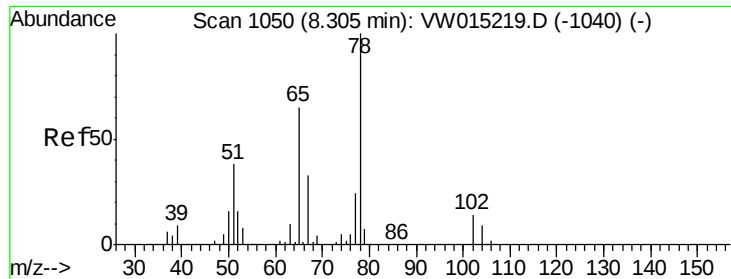
MMDadoda
4/21/2020 10:01:43 AM



#32
1,1,1-Trichloroethane
Concen: 52.021 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.2
61	42.1	34.2	51.2





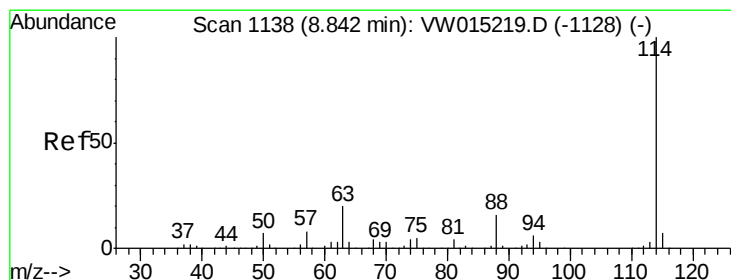
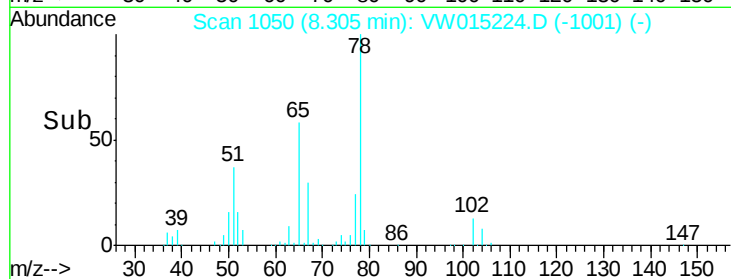
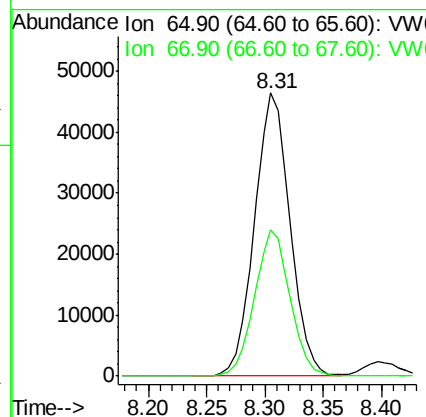
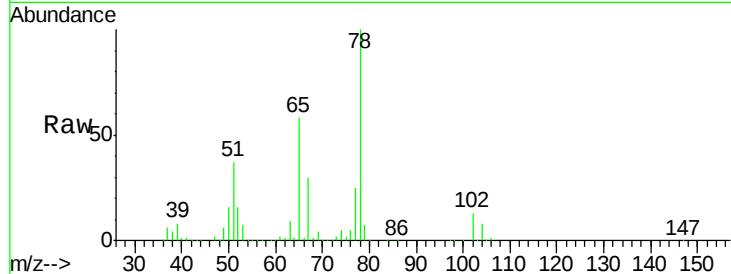
#33
 1,2-Dichloroethane-d4
 Concen: 50.059 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 98758
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.0

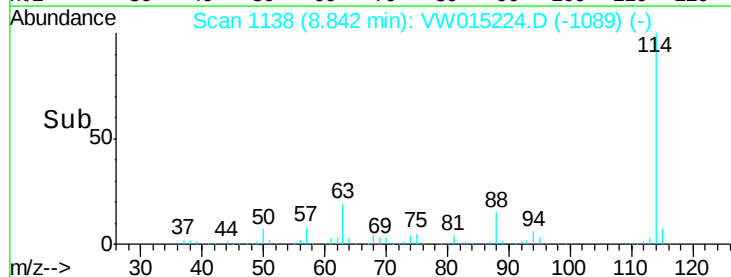
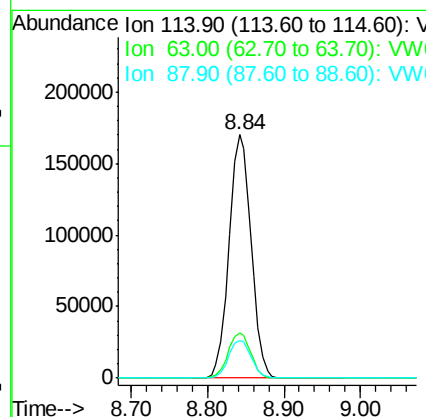
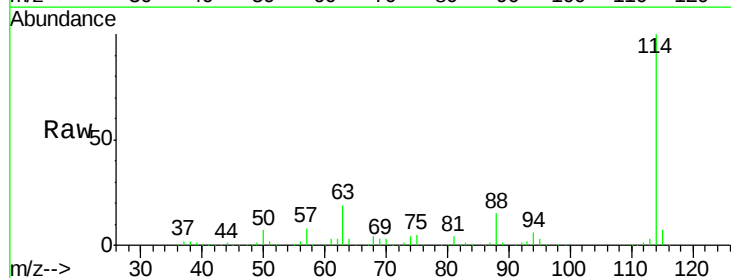
Manual Integrations
 APPROVED

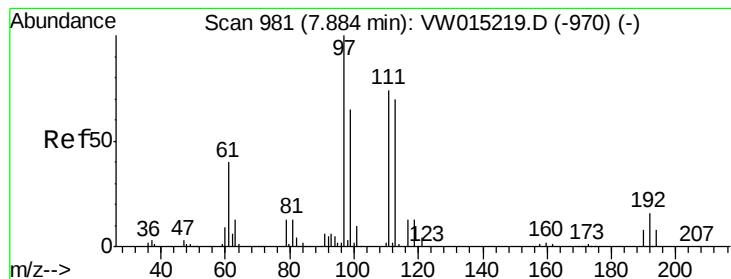
MMDadoda
 4/21/2020 10:01:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion: 114 Resp: 338081
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.8
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.599 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

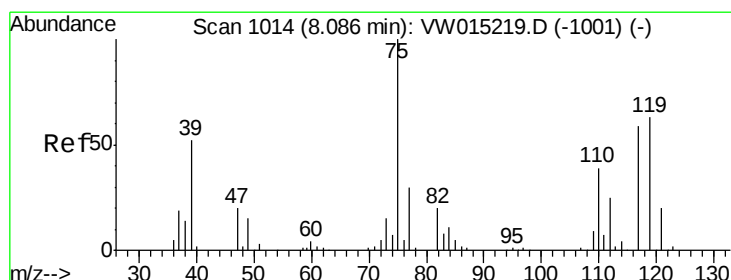
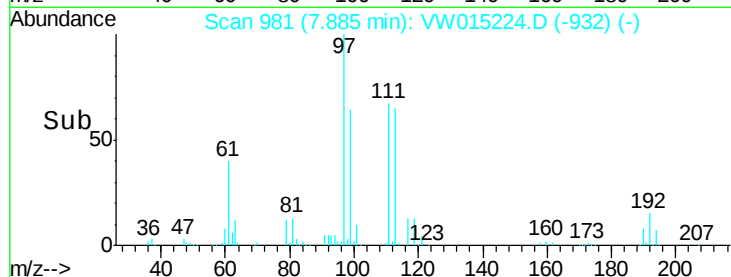
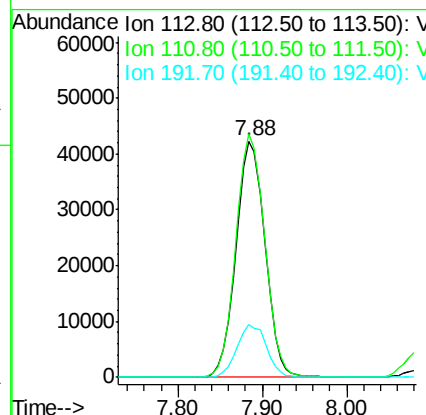
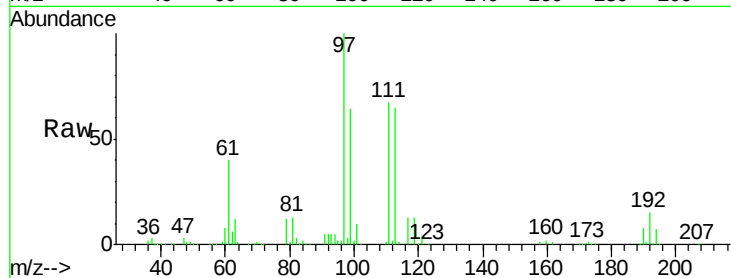
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	98502
Ion Ratio	Lower	Upper	
113	100		
111	103.0	83.0	124.4
192	22.9	15.1	22.7#

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#36

1,1-Dichloropropene

Concen: 53.829 ug/l

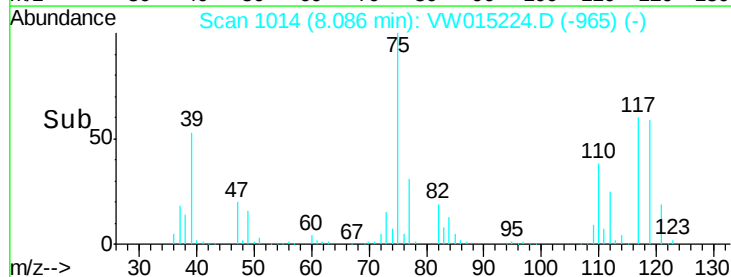
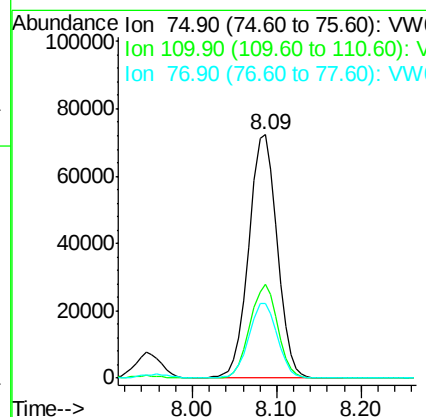
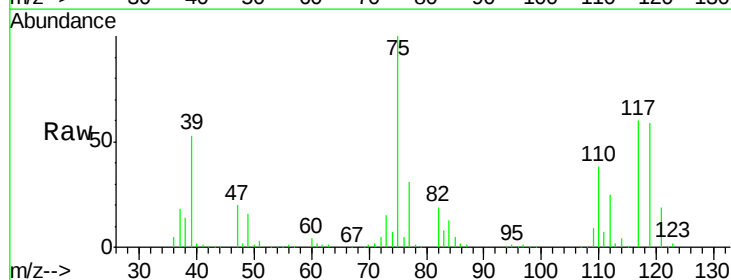
RT: 8.09 min Scan# 1014

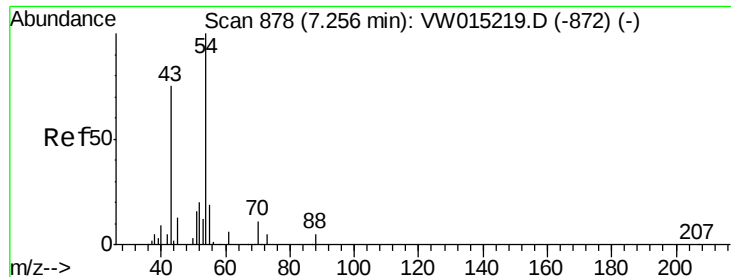
Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	75	Resp:	164254
Ion Ratio	Lower	Upper	
75	100		
110	37.7	18.2	54.6
77	31.0	24.5	36.7





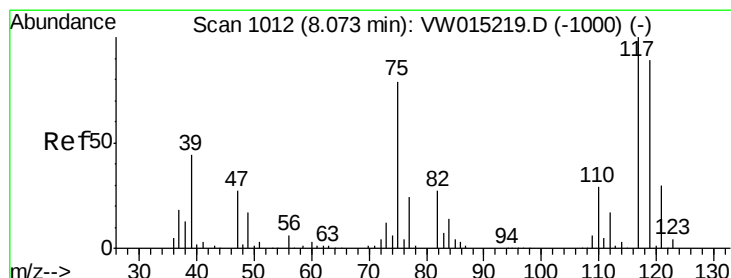
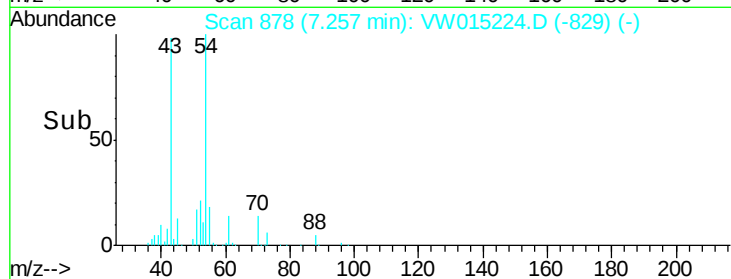
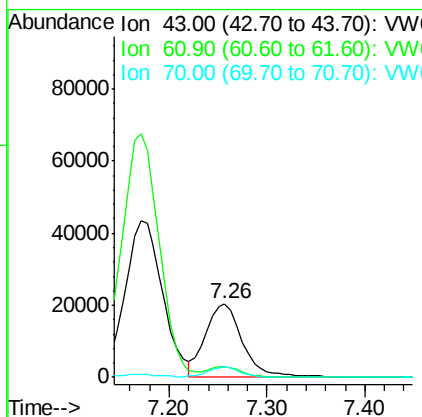
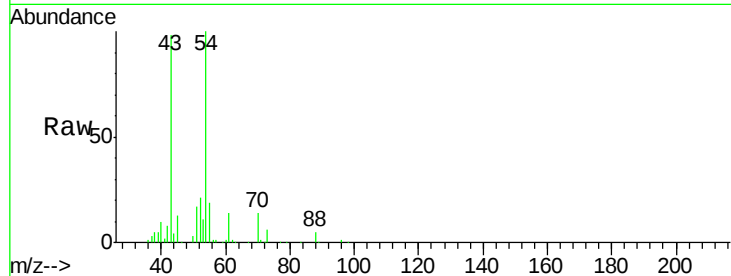
#37
Ethyl Acetate
Concen: 52.620 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	13.7	8.8	13.2

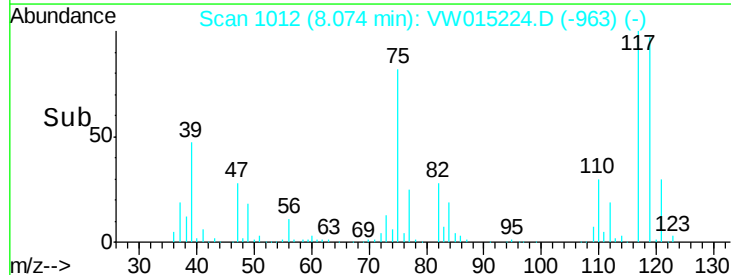
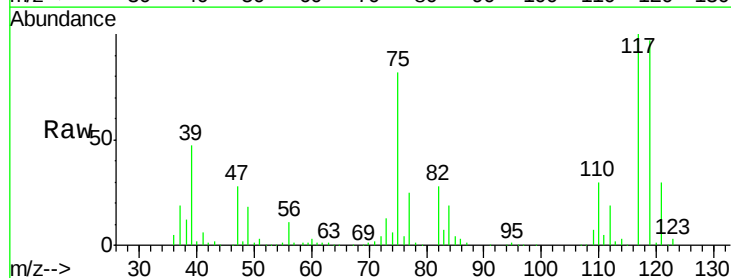
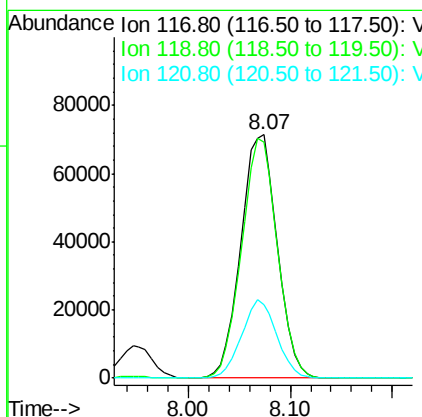
Manual Integrations
APPROVED

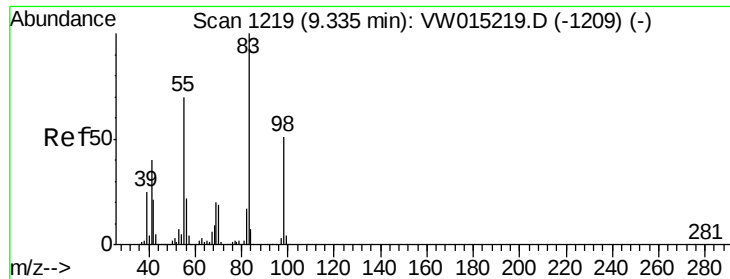
MMDadoda
4/21/2020 10:01:43 AM



#38
Carbon Tetrachloride
Concen: 53.191 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	72.3	108.5
121	30.0	23.7	35.5





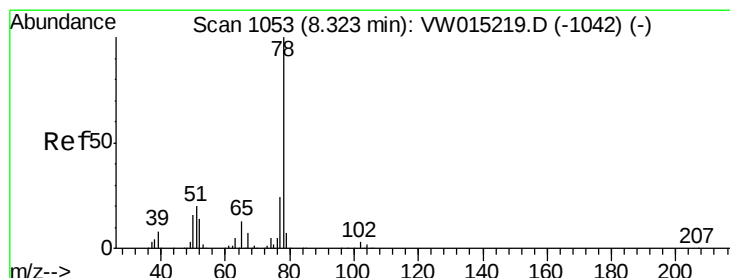
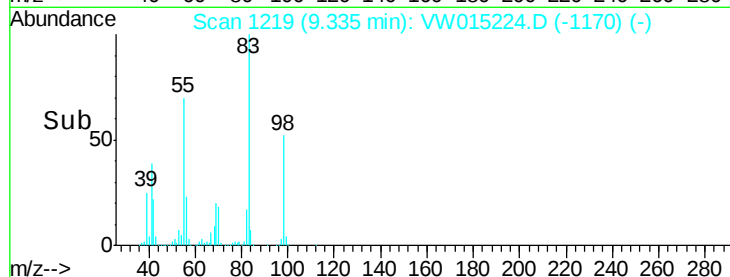
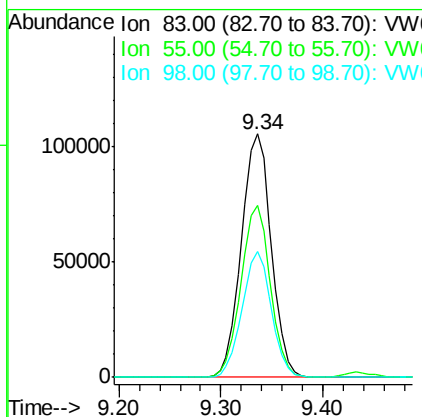
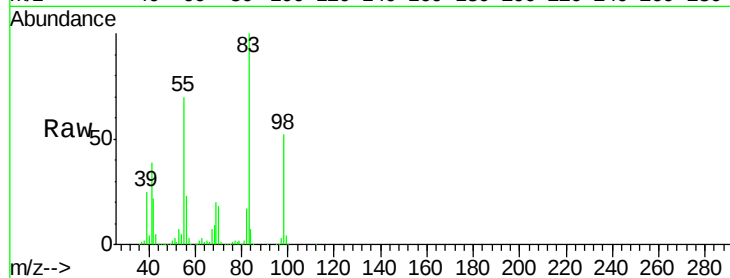
#39
Methvlcvclohexane
Concen: 52.982 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	58.1	87.1
98	51.6	40.2	60.4

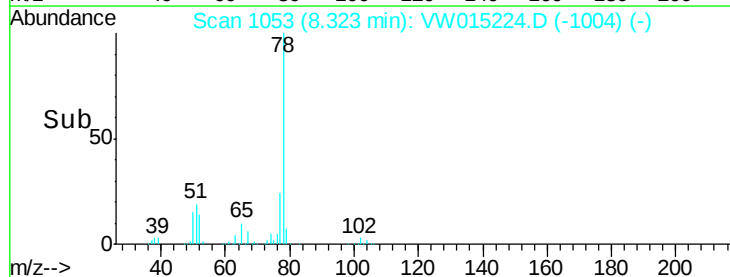
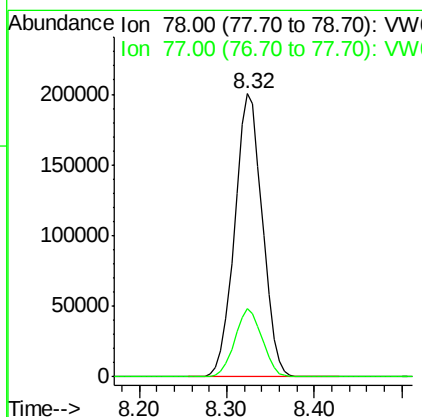
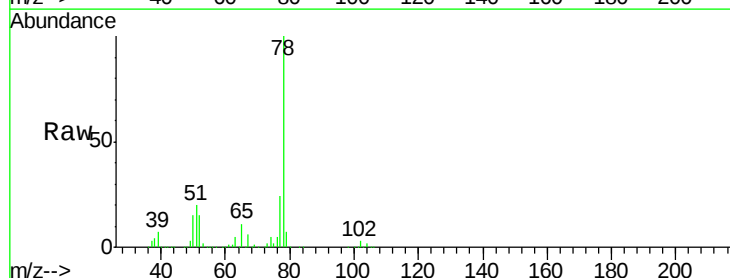
Manual Integrations
APPROVED

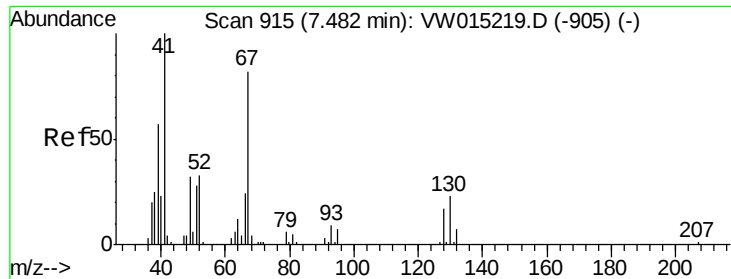
MMDadoda
4/21/2020 10:01:43 AM



#40
Benzene
Concen: 54.005 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.2	27.2





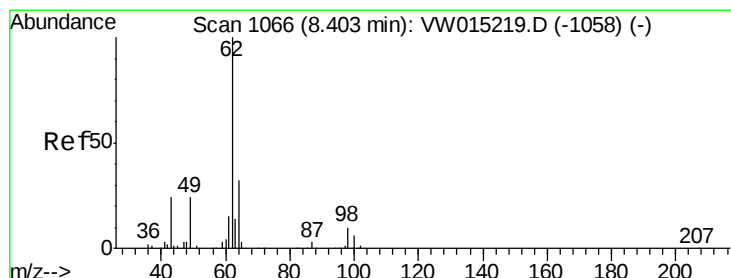
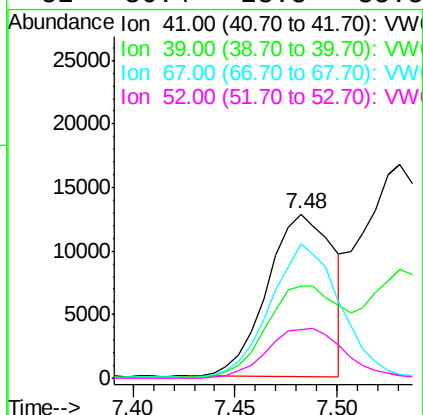
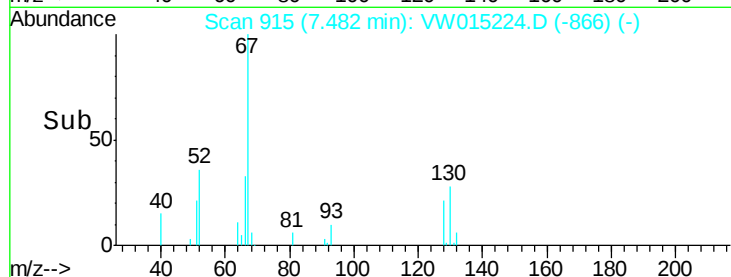
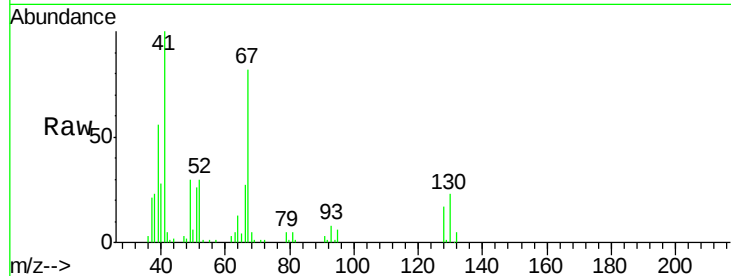
#41
Methacrylonitrile
Concen: 48.383 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	41.9	62.9#
67	89.2	60.6	91.0
52	36.4	23.8	35.8#

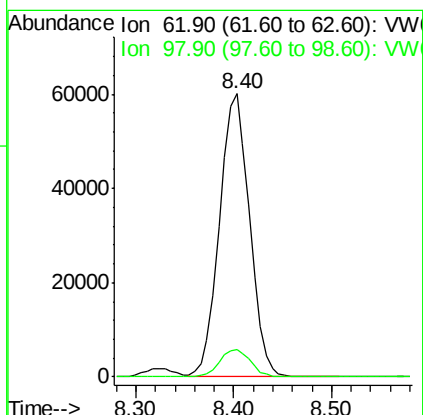
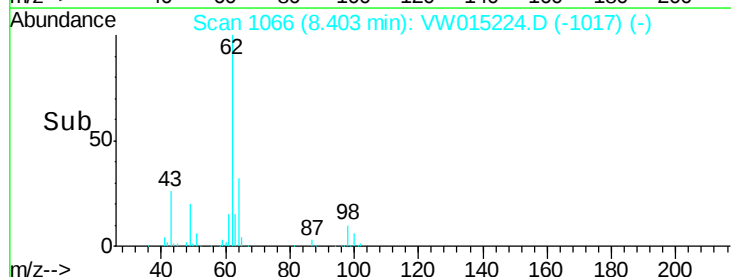
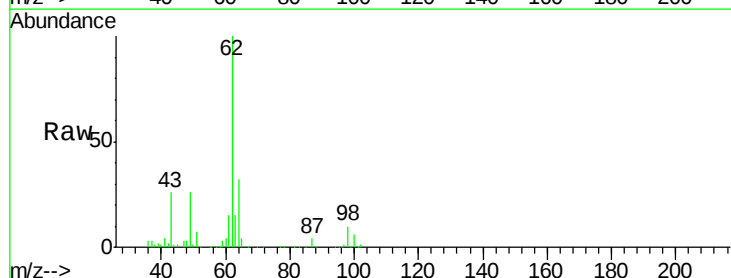
Manual Integrations
APPROVED

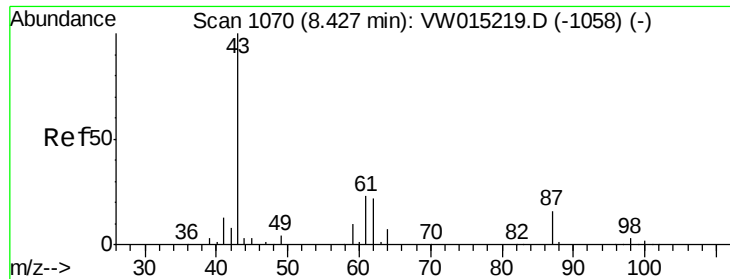
MMDadoda
4/21/2020 10:01:43 AM



#42
1,2-Dichloroethane
Concen: 53.488 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 52.781 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

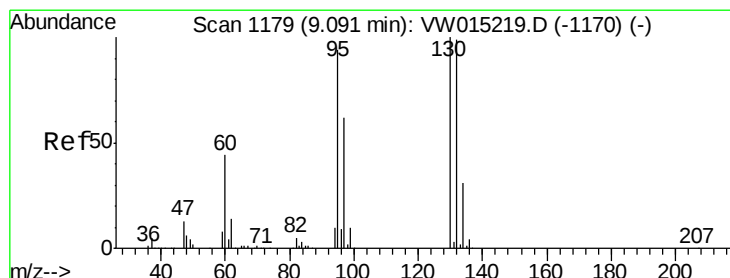
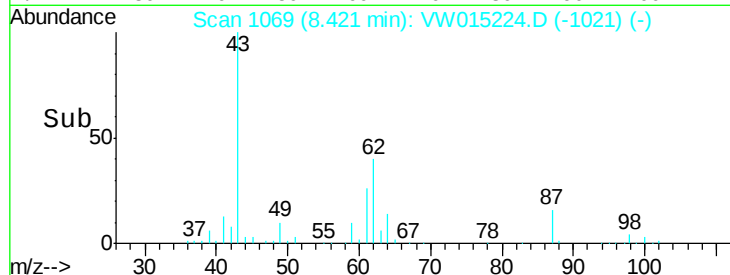
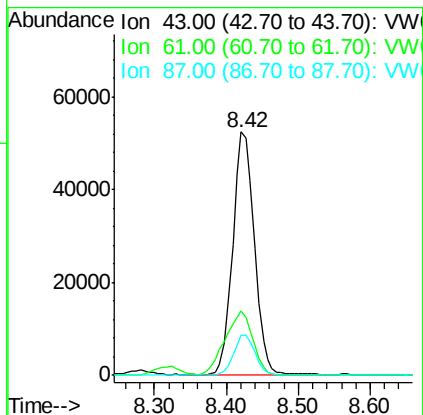
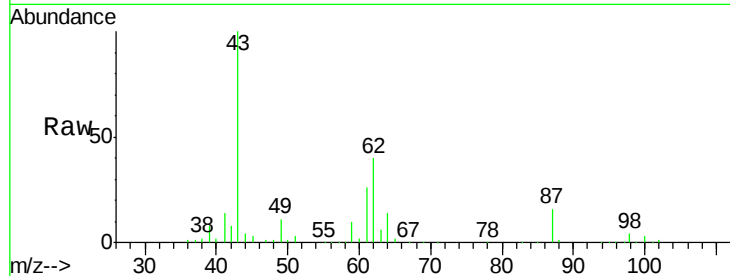
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	109628
Ion	Ratio	Lower	Upper
43	100		
61	33.8	24.8	37.2
87	16.3	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#44

Trichloroethene

Concen: 54.262 ug/l

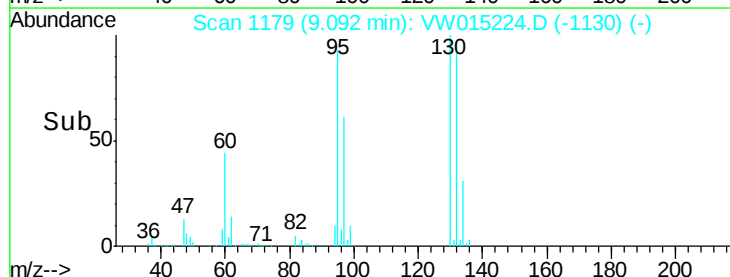
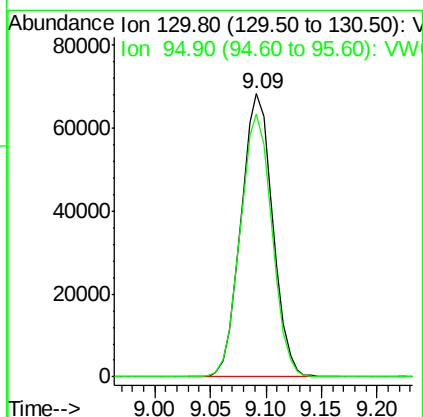
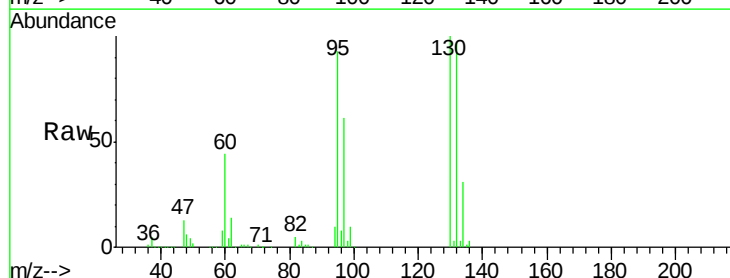
RT: 9.09 min Scan# 1179

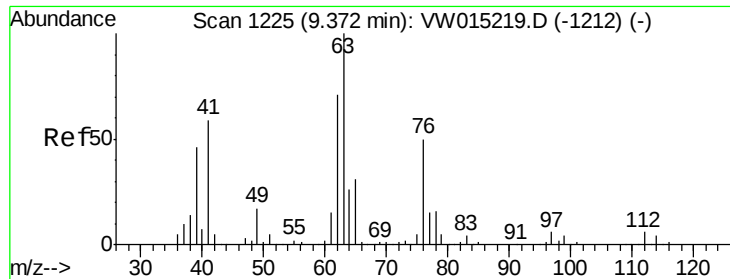
Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	130	Resp:	135289
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	196.4





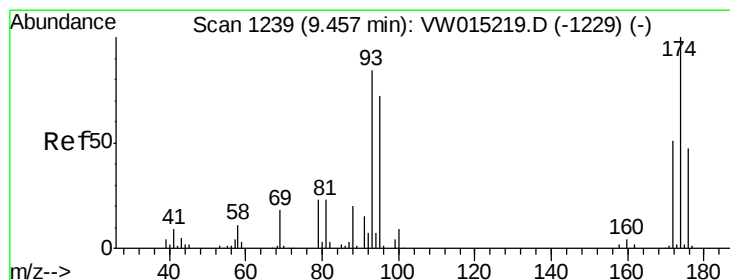
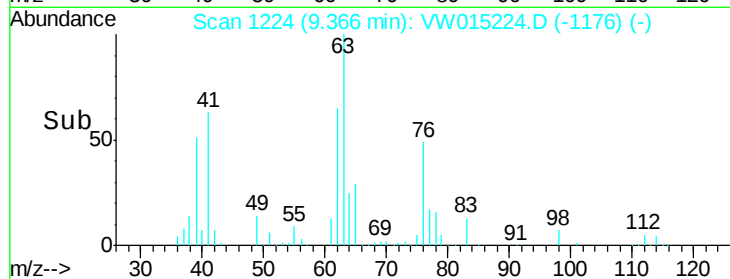
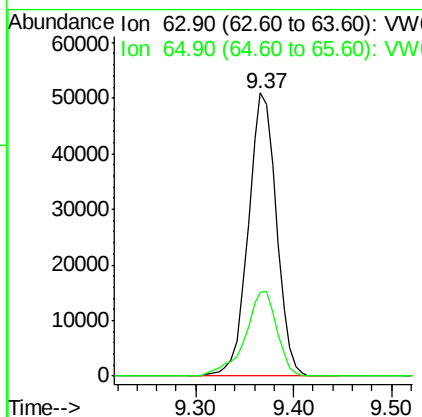
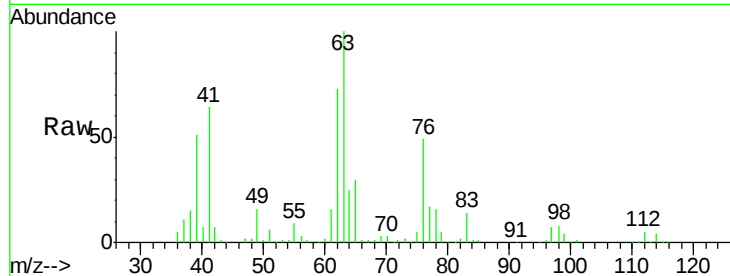
#45
 1,2-Dichloropropane
 Concen: 53.762 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	101908
Ion Ratio	Lower	Upper	
63	100		
65	29.7	25.5	38.3

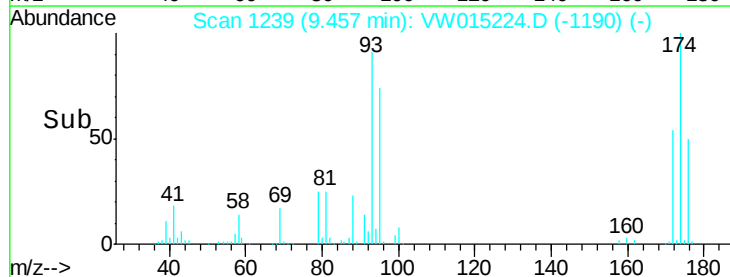
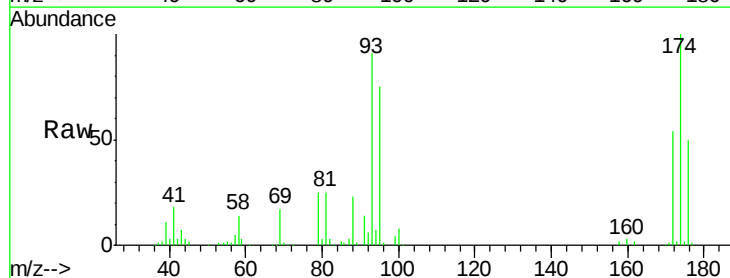
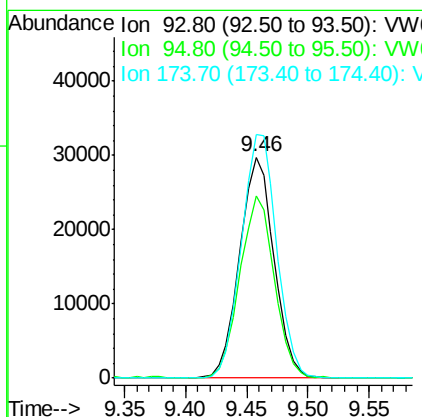
Manual Integrations
 APPROVED

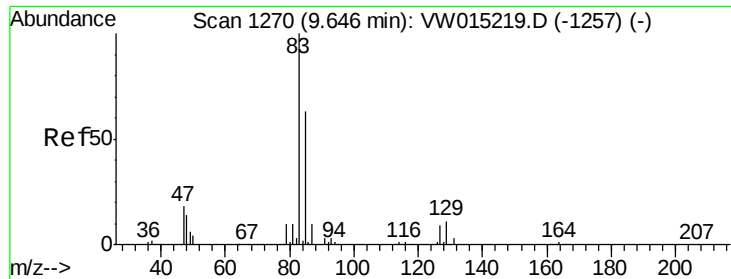
MMDadoda
 4/21/2020 10:01:43 AM



#46
 Dibromomethane
 Concen: 53.057 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion	93	Resp	58176
Ion Ratio	Lower	Upper	
93	100		
95	82.8	67.5	101.3
174	113.2	74.1	111.1#





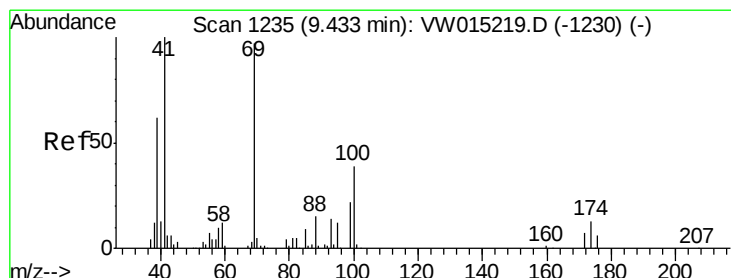
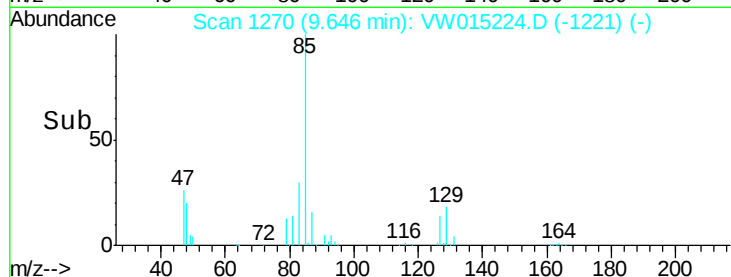
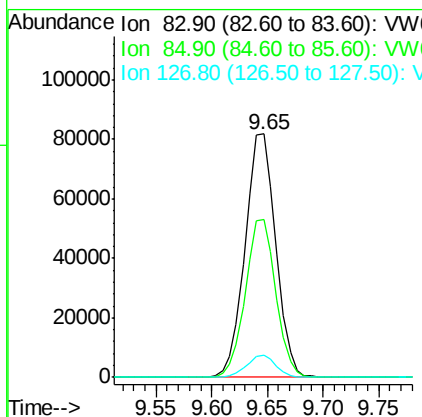
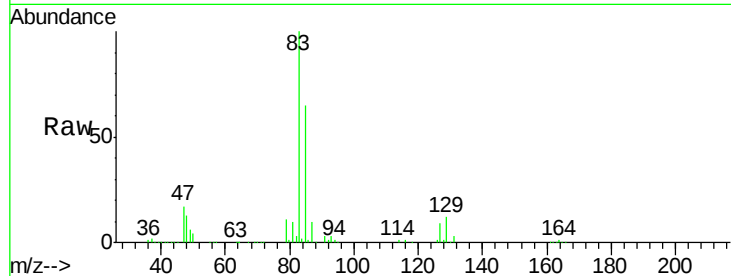
#47
Bromodichloromethane
Concen: 53.567 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	157016
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	50.6	76.0
127	9.0	6.7	10.1

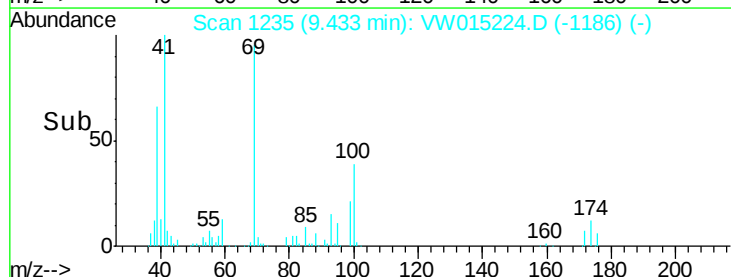
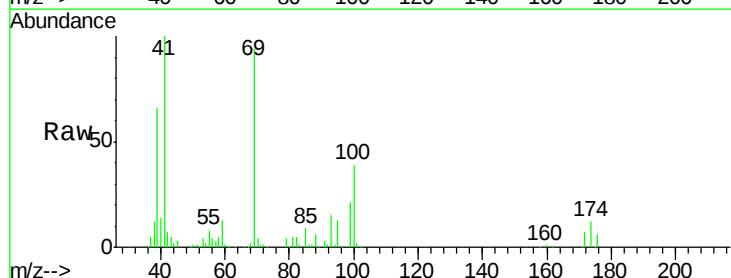
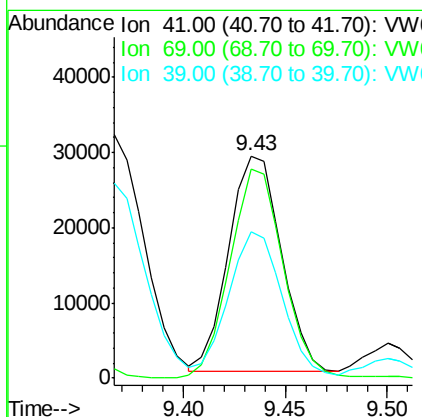
Manual Integrations
APPROVED

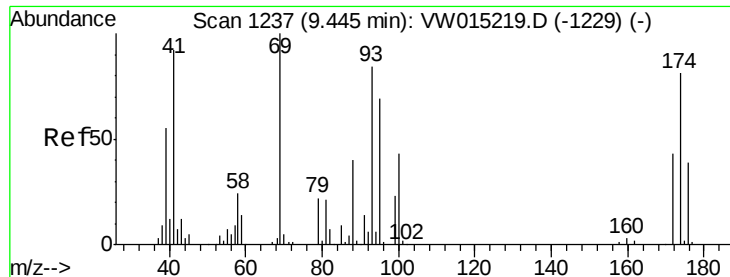
MMDadoda
4/21/2020 10:01:43 AM



#48
Methyl methacrylate
Concen: 52.173 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	41	Resp	51227
Ion Ratio	100	Lower	Upper
41	100		
69	97.9	70.6	105.8
39	66.7	42.6	64.0#





#49

1,4-Dioxane

Concen: 1085.548 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

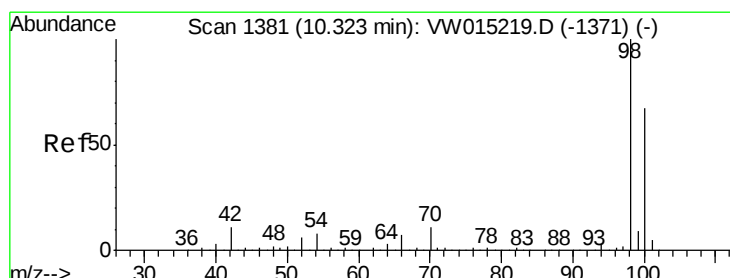
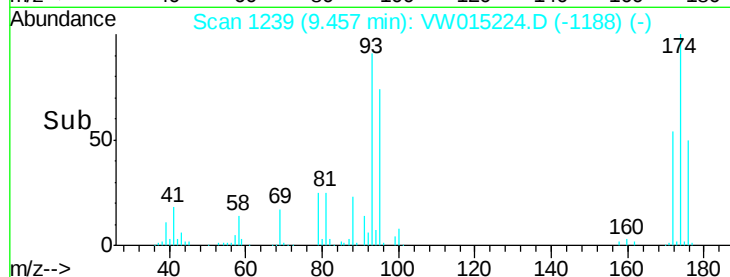
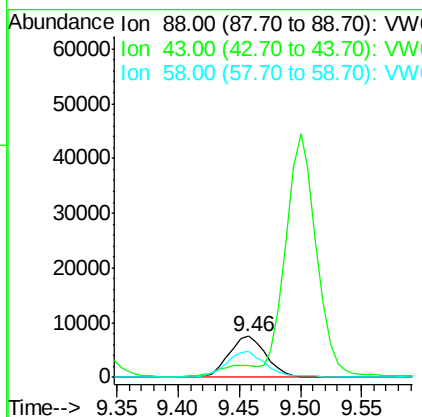
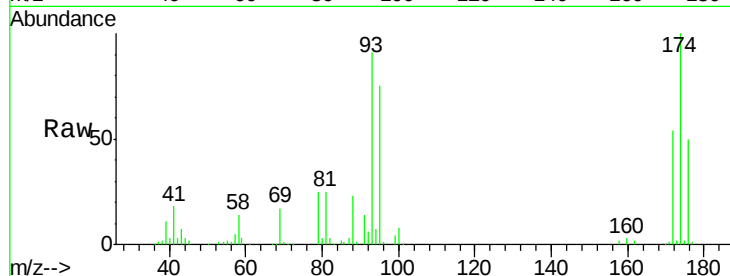
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	15868
Ion Ratio	Lower	Upper	
88	100		
43	0.0	23.5	35.3#
58	67.2	55.4	83.2

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#50

Toluene-d8

Concen: 52.245 ug/l

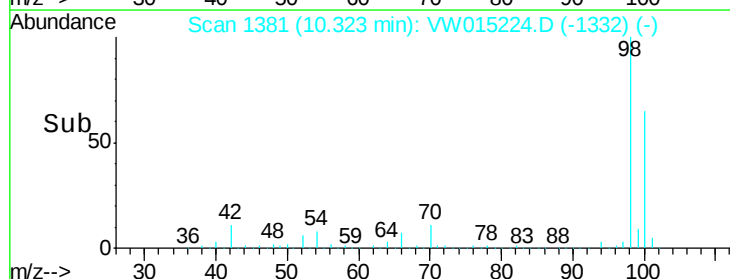
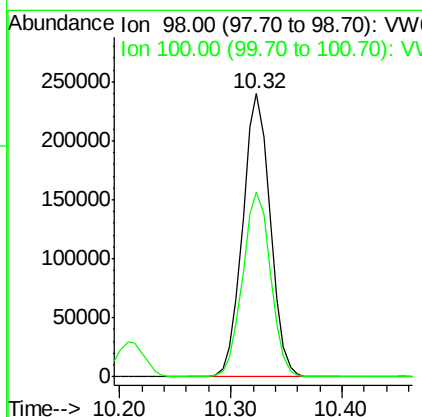
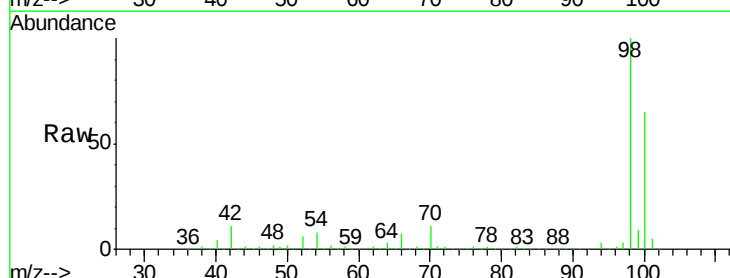
RT: 10.32 min Scan# 1381

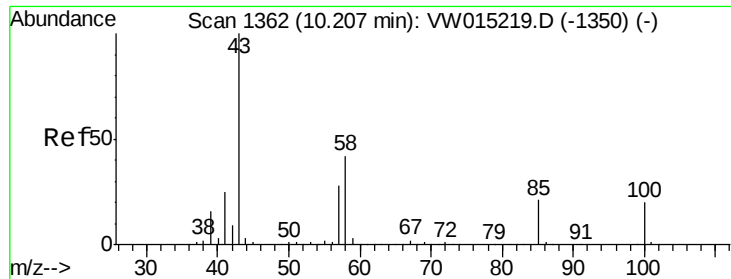
Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	98	Resp:	411579
Ion Ratio	Lower	Upper	
98	100		
100	66.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 267.523 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 260836

Ion Ratio Lower Upper

43 100

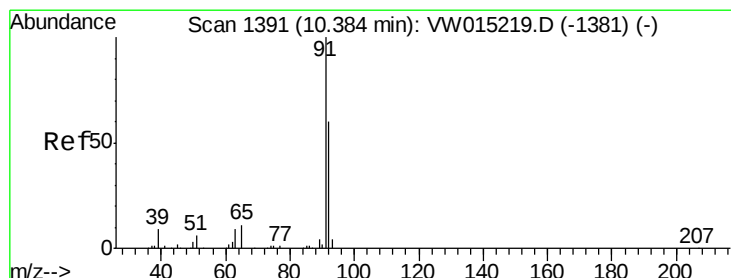
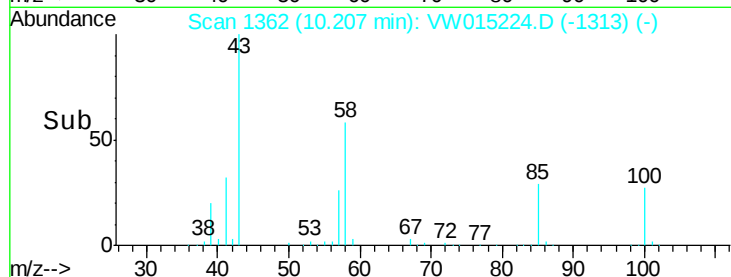
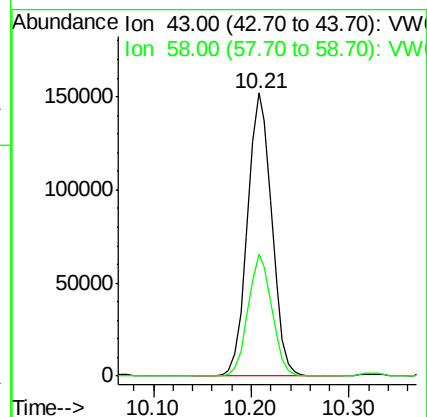
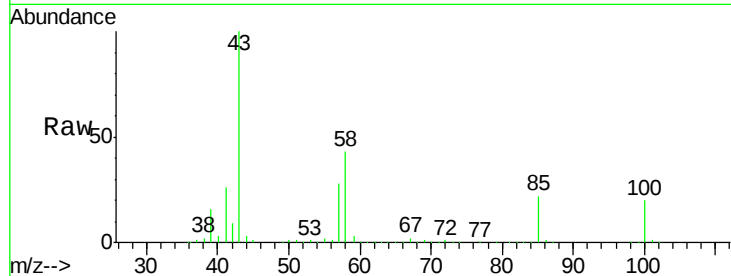
58 42.3 32.3 48.5

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:43 AM



#52

Toluene

Concen: 55.396 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015224.D

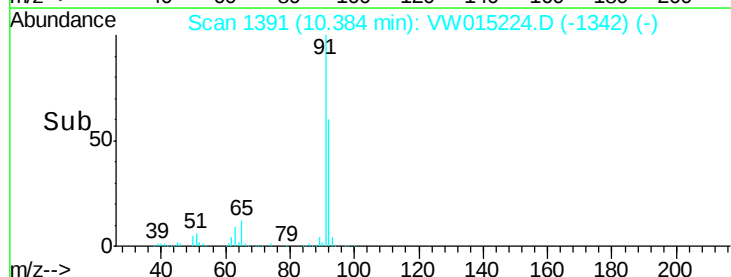
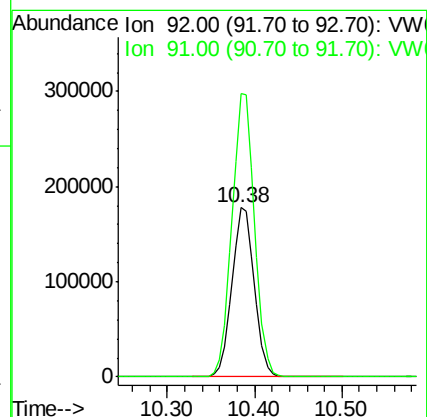
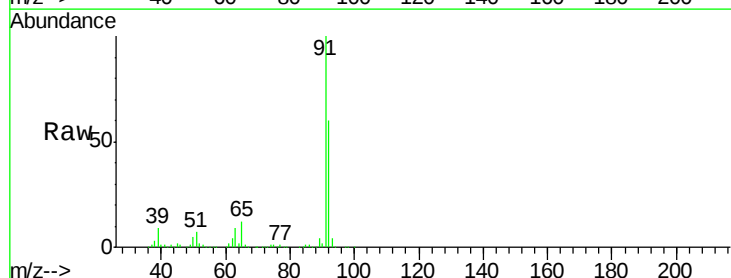
Acq: 20 Apr 2020 15:52

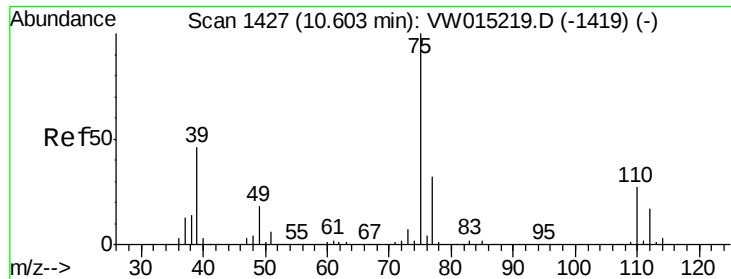
Tgt Ion: 92 Resp: 316015

Ion Ratio Lower Upper

92 100

91 168.6 137.1 205.7





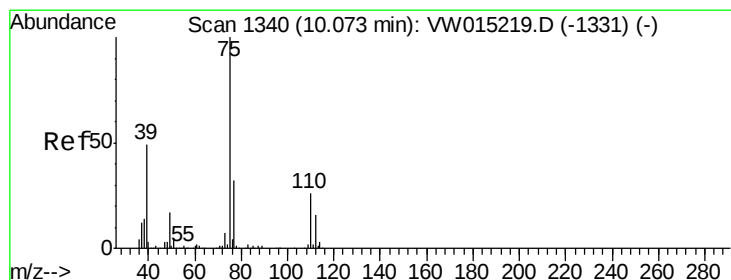
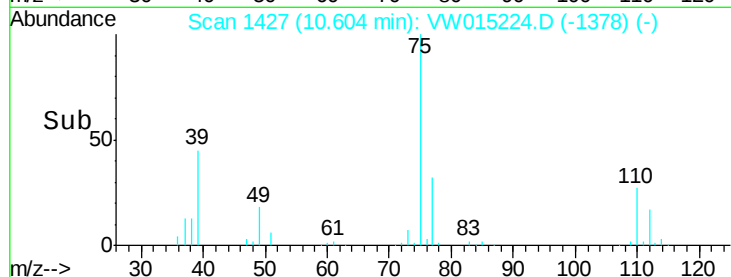
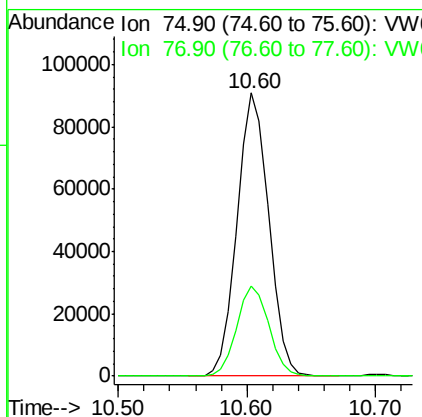
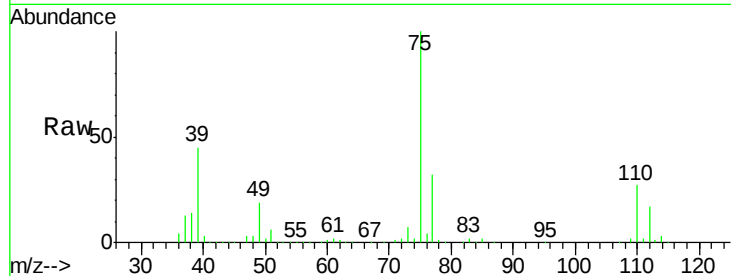
#53
t-1,3-Dichloropropene
Concen: 53.568 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	154824
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.5	38.3

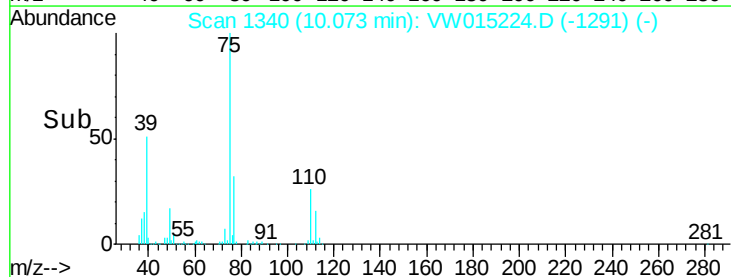
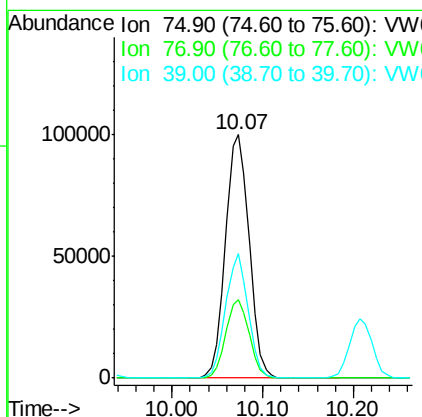
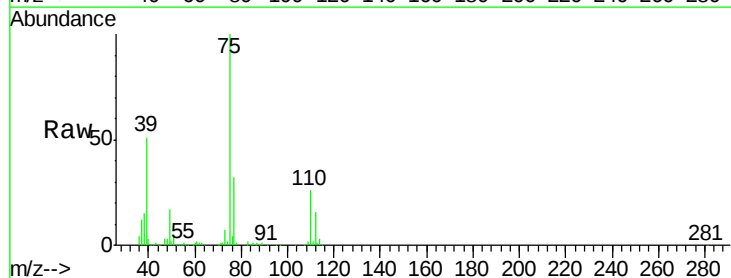
Manual Integrations
APPROVED

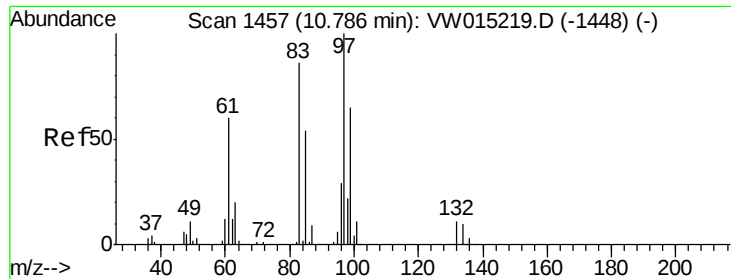
MMDadoda
4/21/2020 10:01:43 AM



#54
cis-1,3-Dichloropropene
Concen: 53.980 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	75	Resp	181344
Ion Ratio	Lower	Upper	
75	100		
77	32.5	26.6	39.8
39	51.0	37.8	56.6





#55

1,1,2-Trichloroethane

Concen: 52.504 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

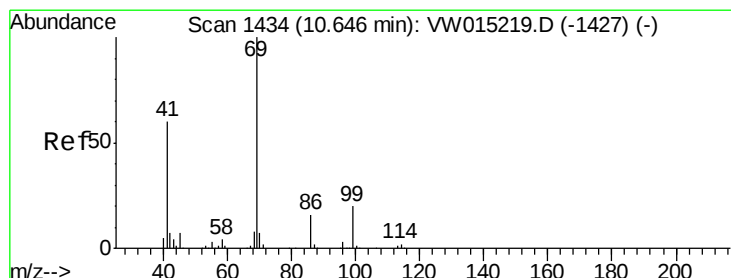
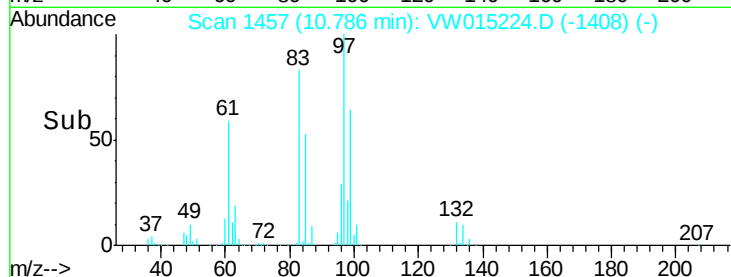
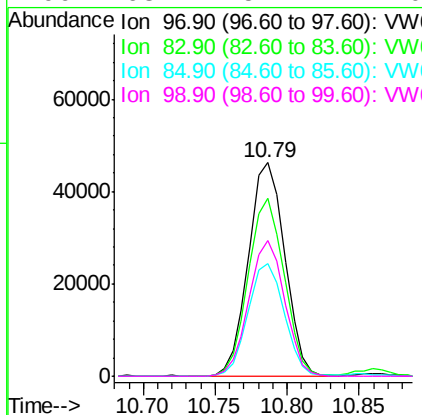
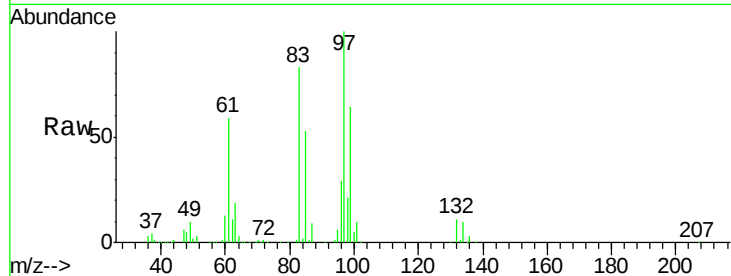
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	80614
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.3	100.9
85	52.6	43.8	65.8
99	63.7	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#56

Ethyl methacrylate

Concen: 54.036 ug/l

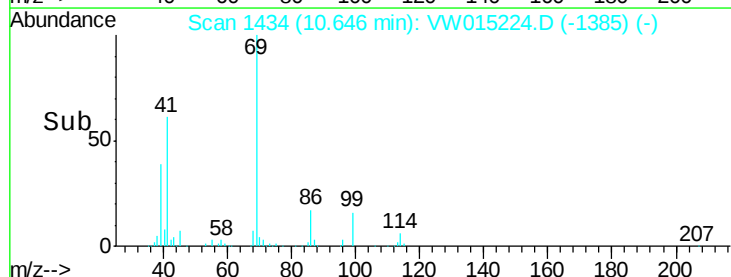
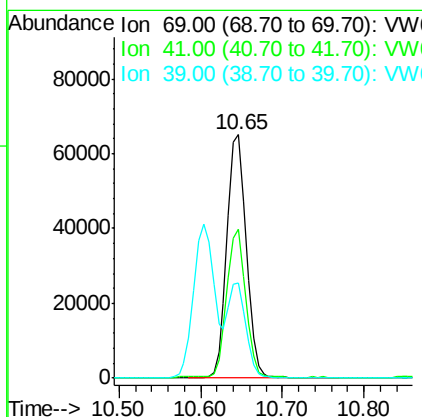
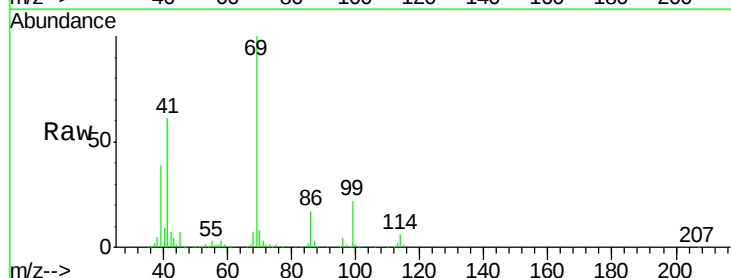
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	69	Resp:	106880
Ion	Ratio	Lower	Upper
69	100		
41	58.9	51.3	76.9
39	34.9	24.6	37.0





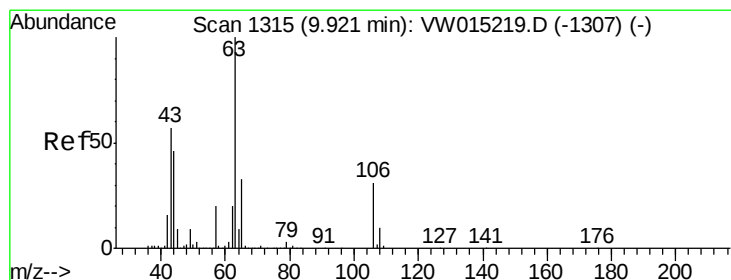
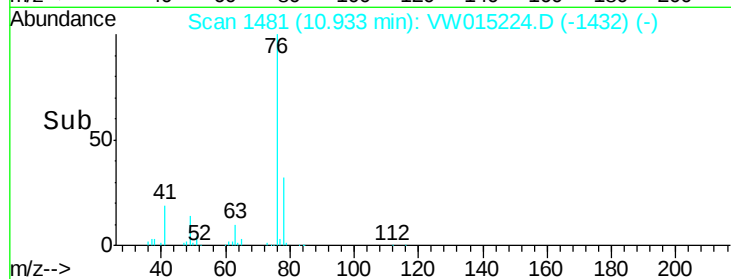
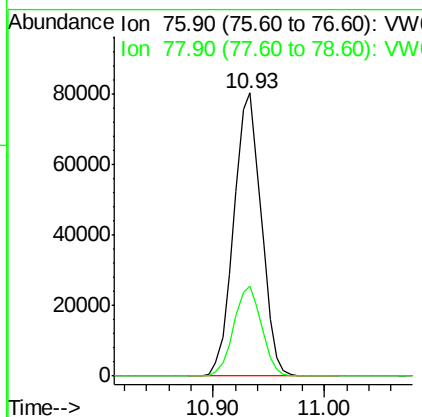
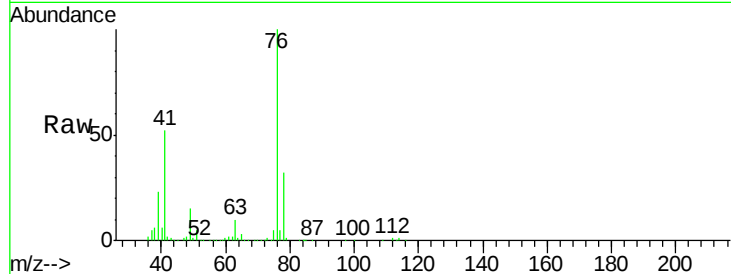
#57
 1,3-Dichloropropane
 Concen: 53.917 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.4

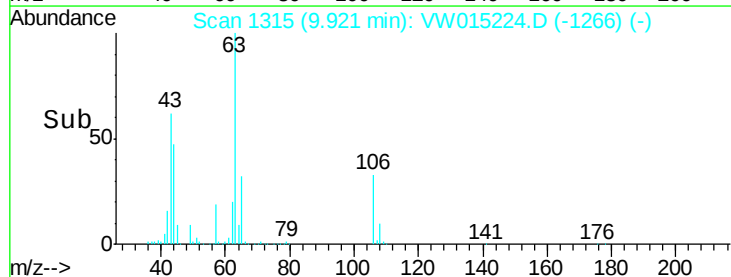
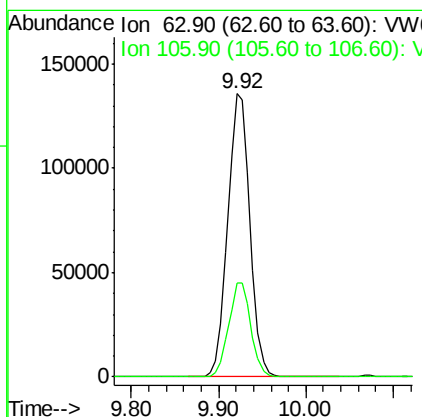
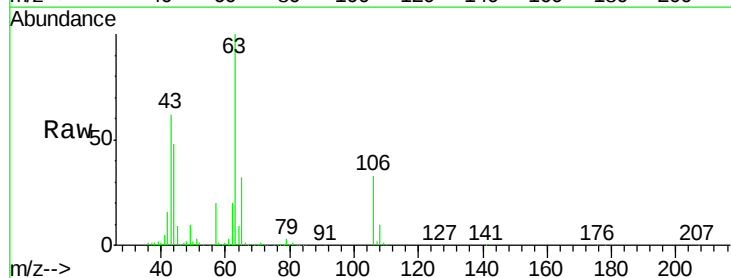
Manual Integrations
 APPROVED

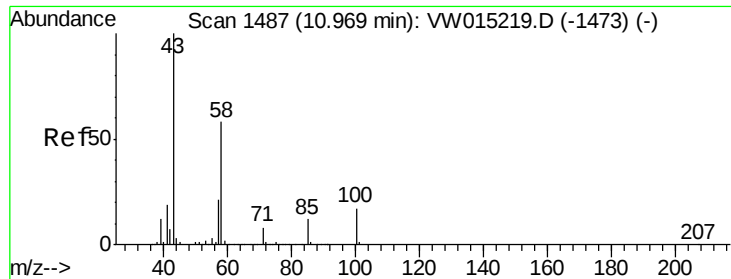
MMDadoda
 4/21/2020 10:01:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.012 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.4	22.6	33.8





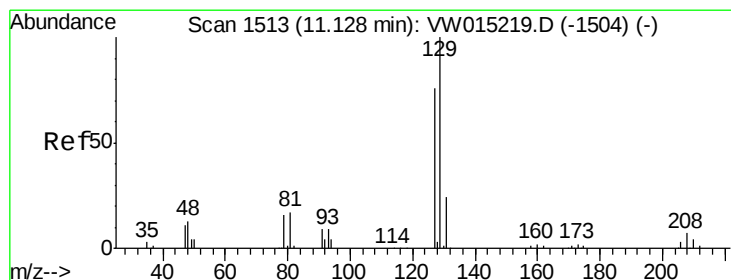
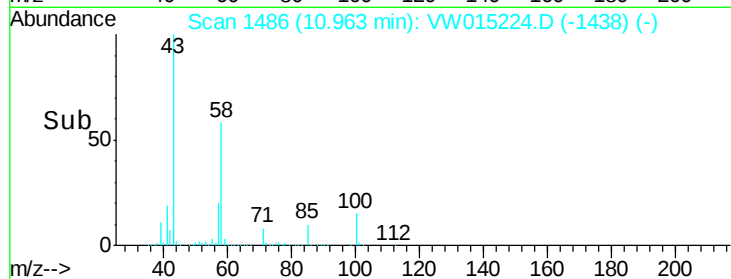
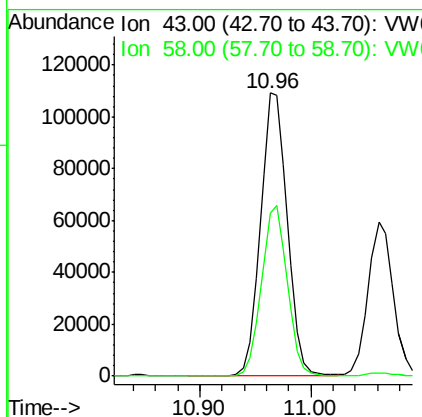
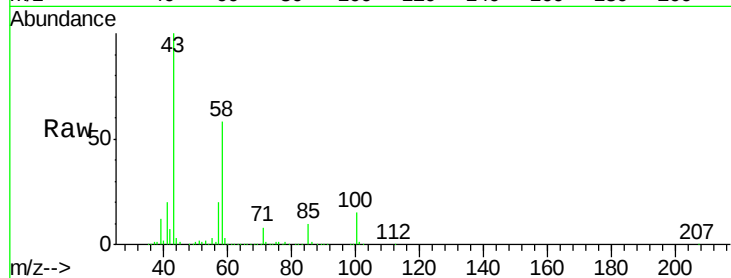
#59
2-Hexanone
Concen: 262.737 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 182863
Ion Ratio Lower Upper
43 100
58 58.4 28.1 84.3

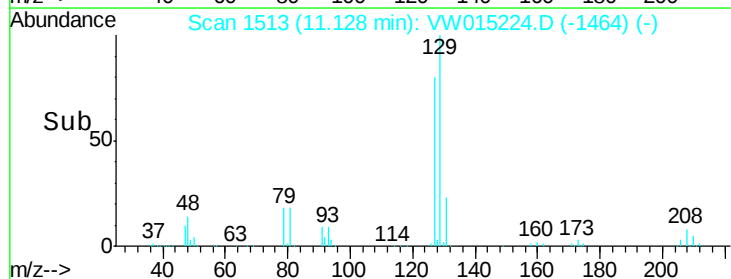
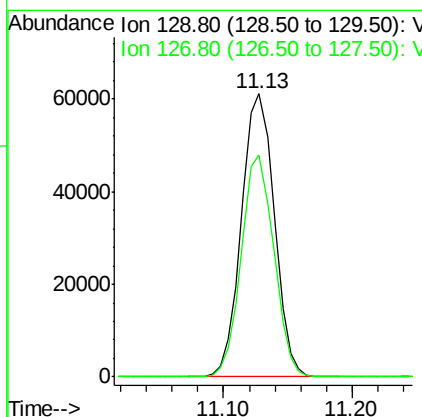
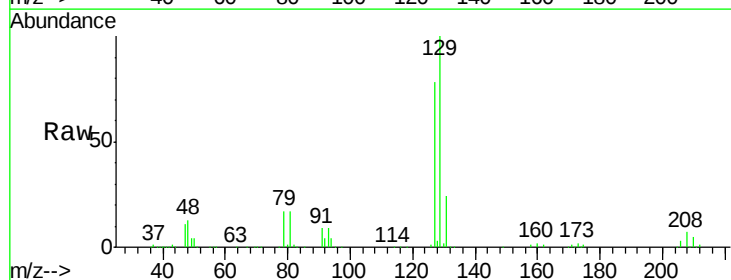
Manual Integrations
APPROVED

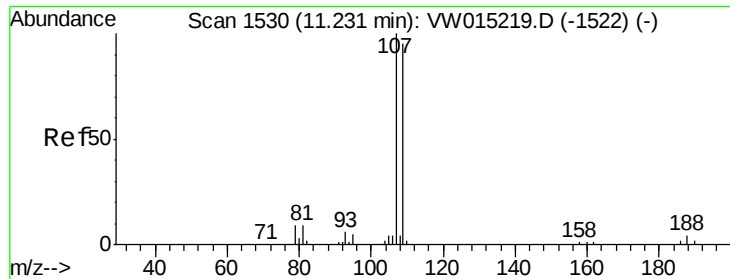
MMDadoda
4/21/2020 10:01:43 AM



#60
Dibromochloromethane
Concen: 53.316 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 129 Resp: 108083
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8





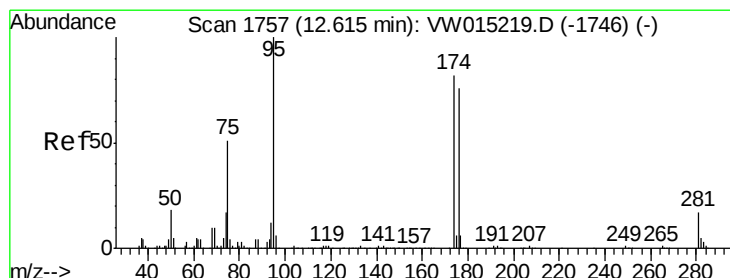
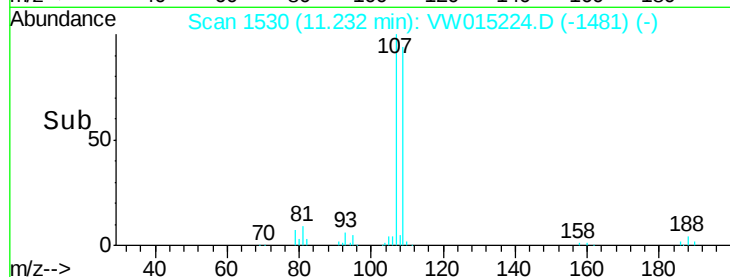
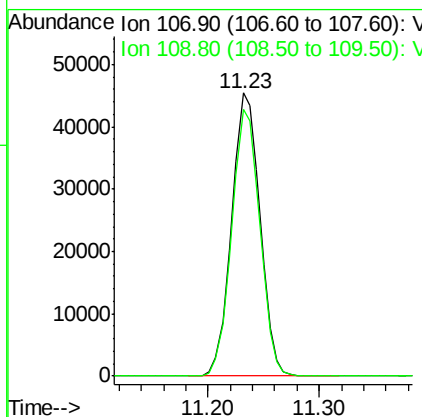
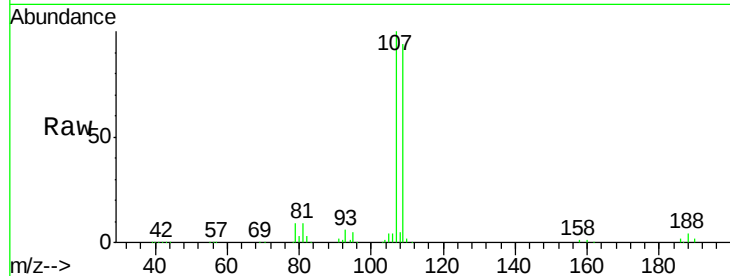
#61
 1,2-Dibromoethane
 Concen: 53.336 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.3	111.5

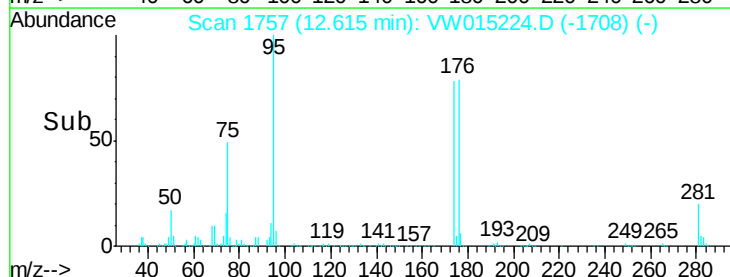
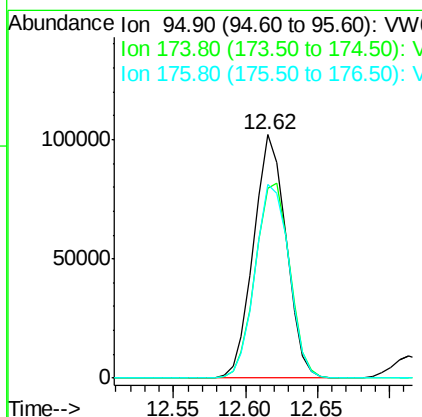
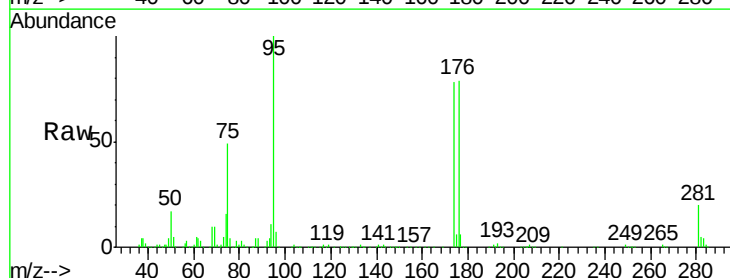
Manual Integrations
 APPROVED

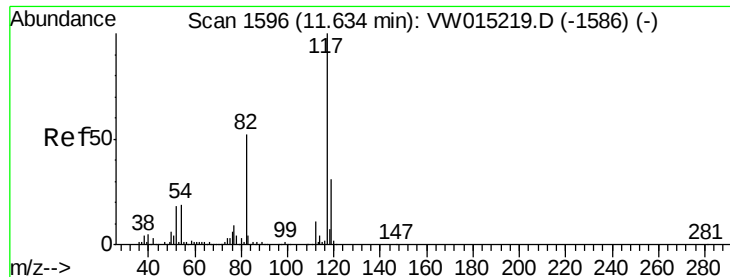
MMDadoda
 4/21/2020 10:01:43 AM



#62
 4-Bromofluorobenzene
 Concen: 52.987 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	144.4
176	83.1	0.0	140.6





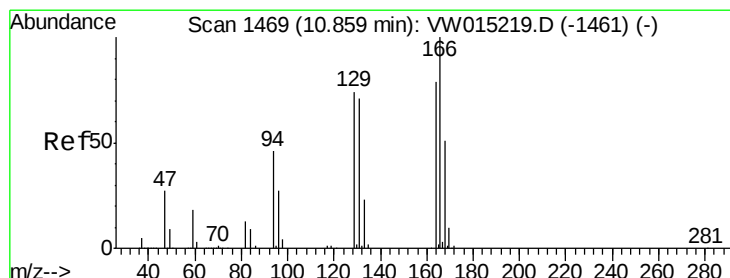
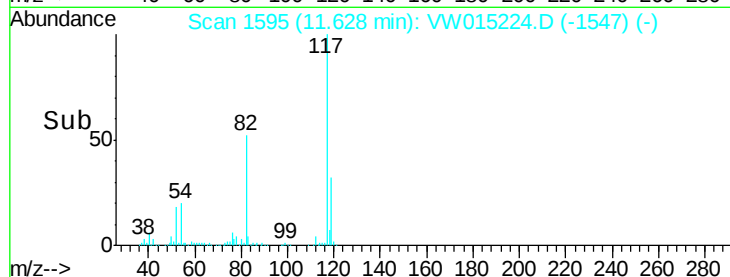
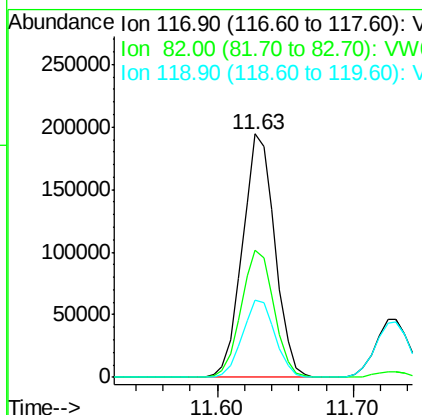
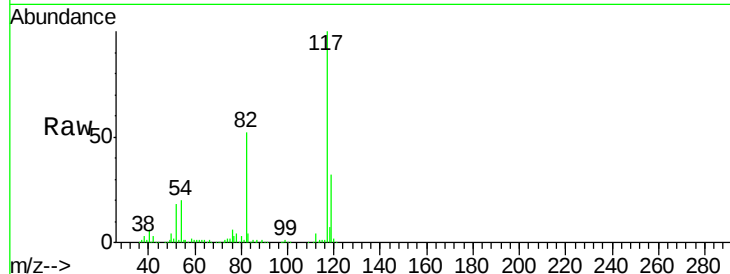
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	323160		
82	52.2		44.1	66.1
119	31.8		24.9	37.3

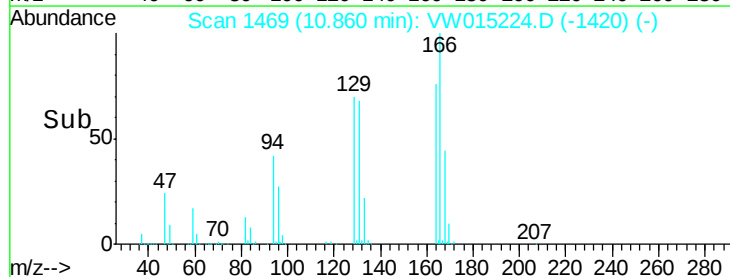
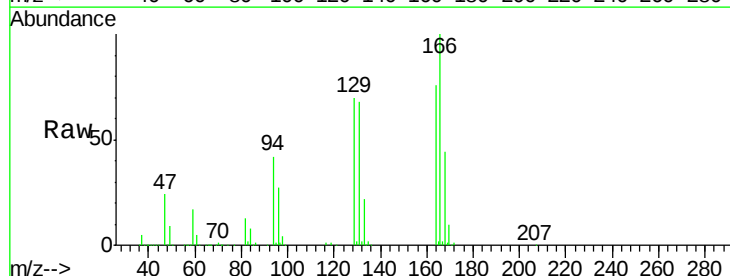
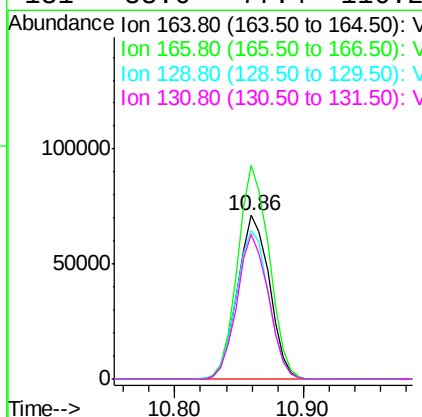
Manual Integrations
APPROVED

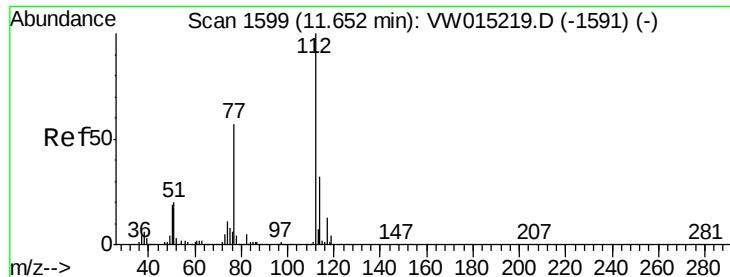
MMDadoda
4/21/2020 10:01:43 AM



#64
Tetrachloroethene
Concen: 53.020 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	122286		
166	130.8		102.6	154.0
129	91.2		80.2	120.2
131	88.6		77.4	116.2





#65

Chlorobenzene

Concen: 53.861 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 341548

Ion Ratio Lower Upper

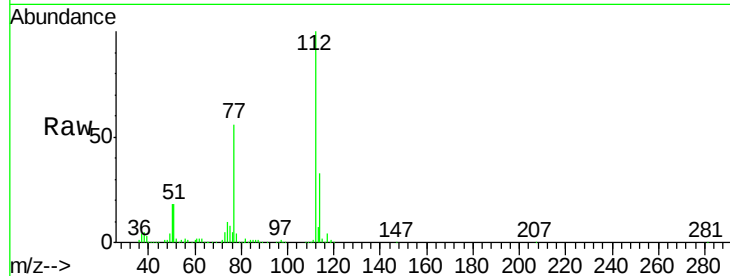
112 100

114 32.6 25.8 38.6

Manual Integrations
APPROVED

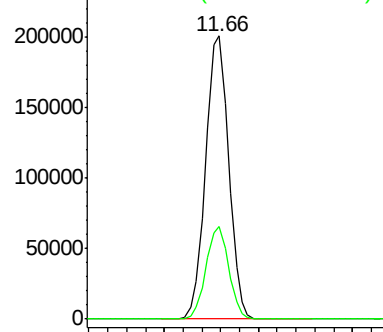
MMDadoda

4/21/2020 10:01:43 AM

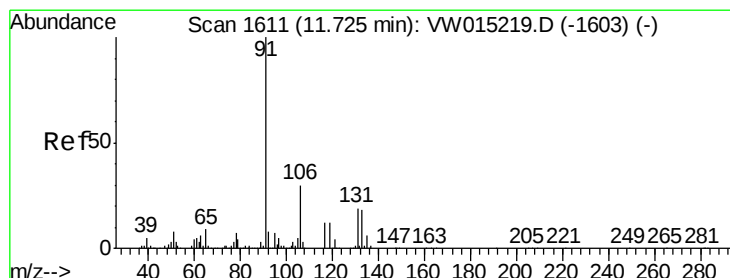
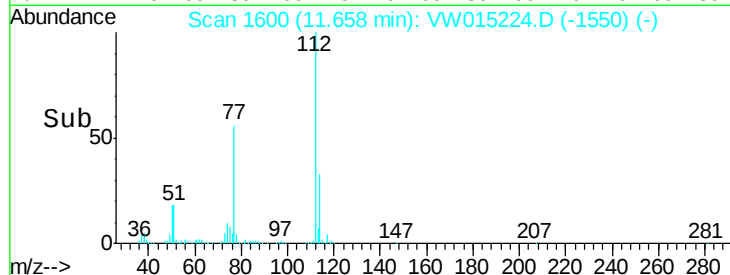


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.051 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

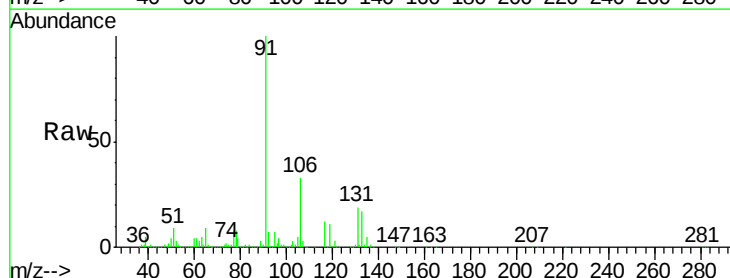
Tgt Ion:131 Resp: 120912

Ion Ratio Lower Upper

131 100

133 96.5 47.7 143.1

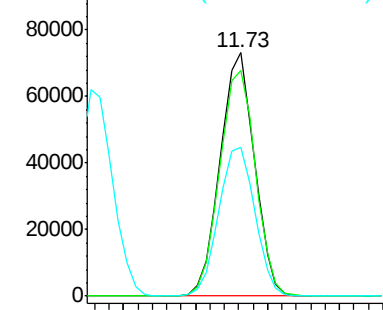
119 64.3 34.0 101.8



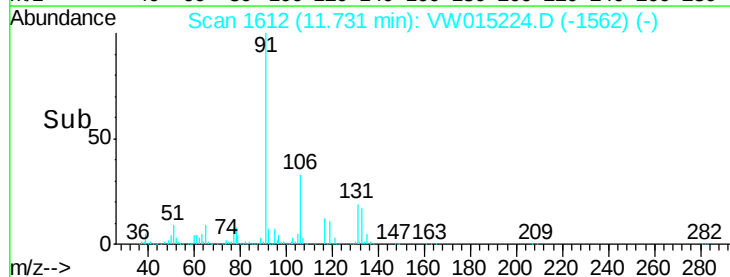
Abundance Ion 130.80 (130.50 to 131.50): V

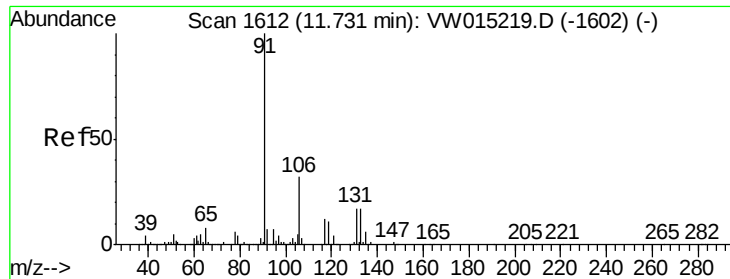
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





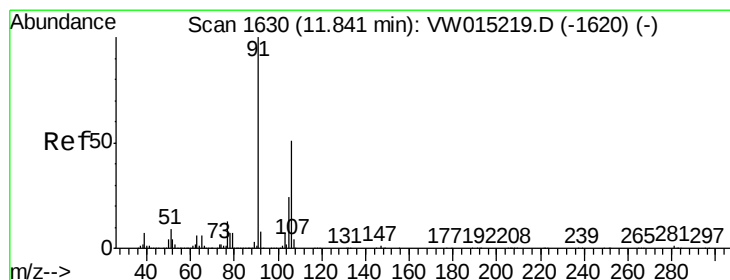
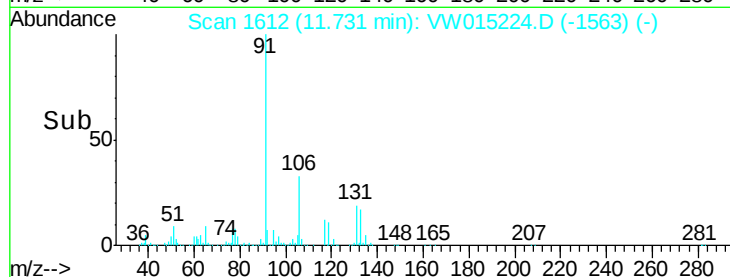
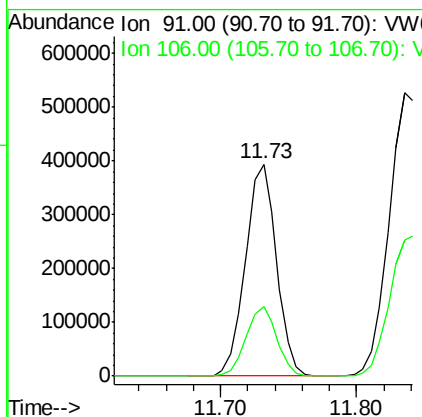
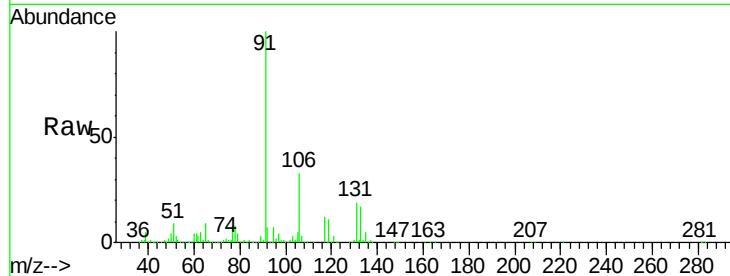
#67
Ethyl Benzene
Concen: 53.340 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 630786
Ion Ratio Lower Upper
91 100
106 32.6 25.7 38.5

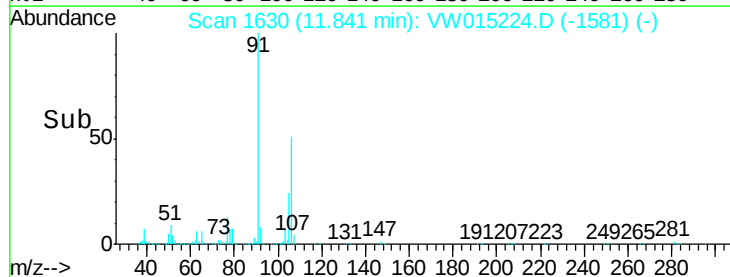
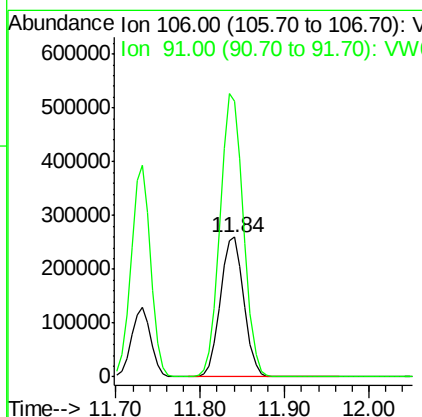
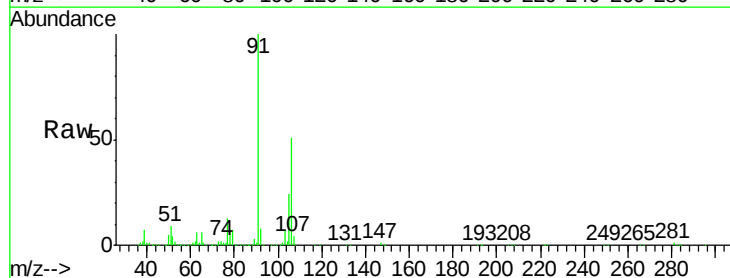
Manual Integrations
APPROVED

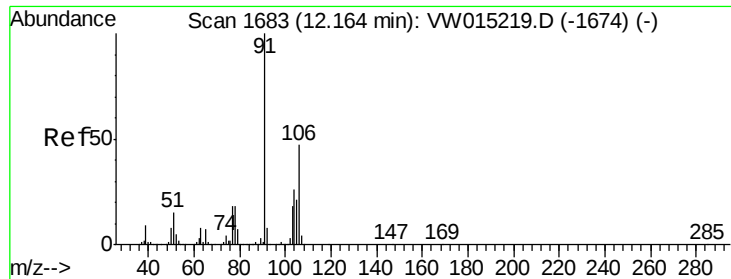
MMDadoda
4/21/2020 10:01:43 AM



#68
m/p-Xylenes
Concen: 107.642 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion: 106 Resp: 498964
Ion Ratio Lower Upper
106 100
91 201.2 160.0 240.0





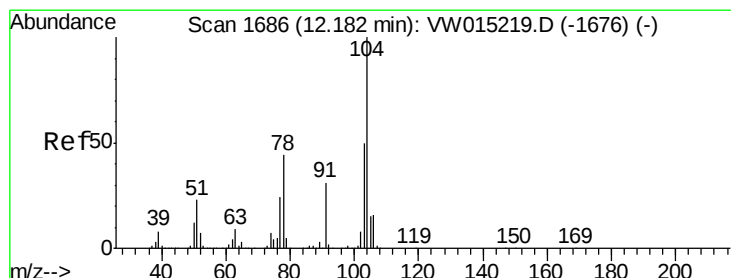
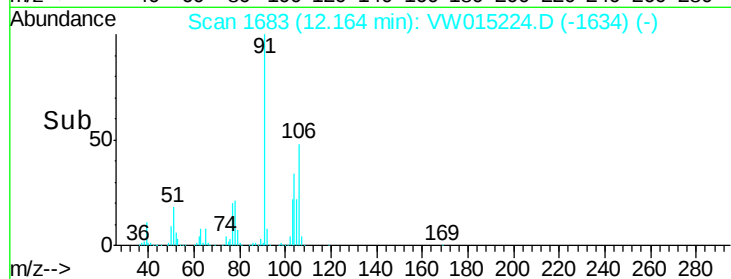
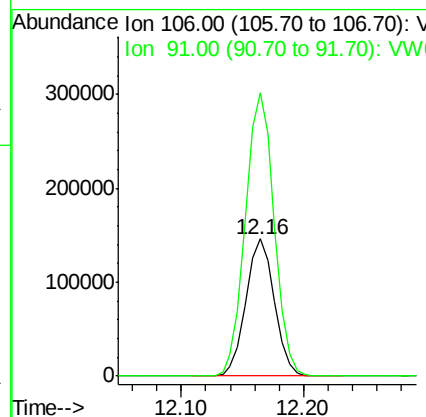
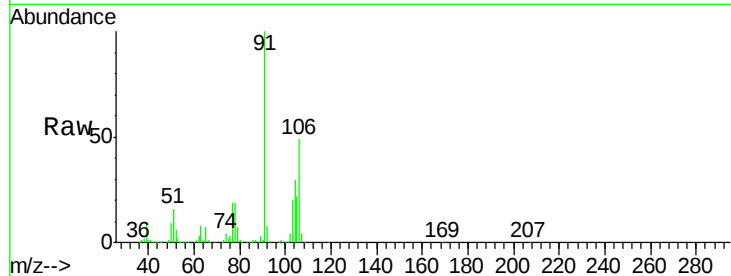
#69
o-Xylene
Concen: 54.549 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.1	105.7	317.1	

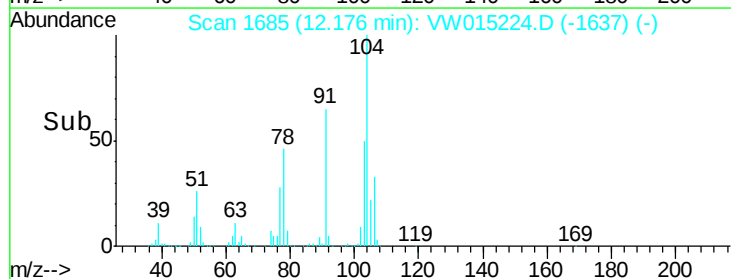
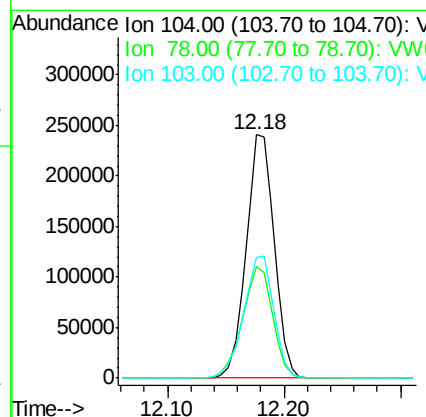
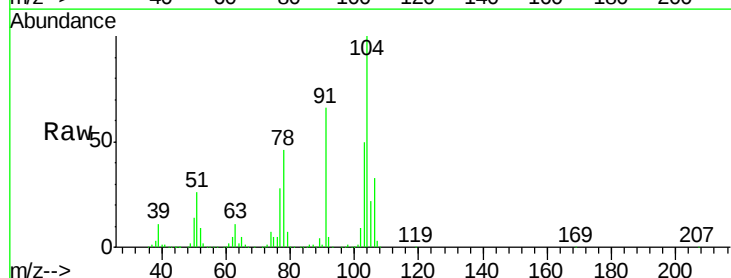
Manual Integrations
APPROVED

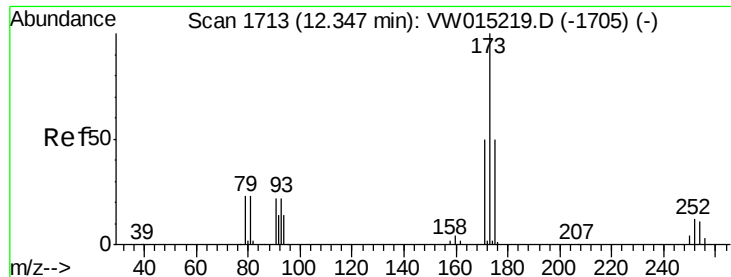
MMDadoda
4/21/2020 10:01:43 AM



#70
Styrene
Concen: 54.968 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.0	39.8	59.6	
103	53.7	43.8	65.6	





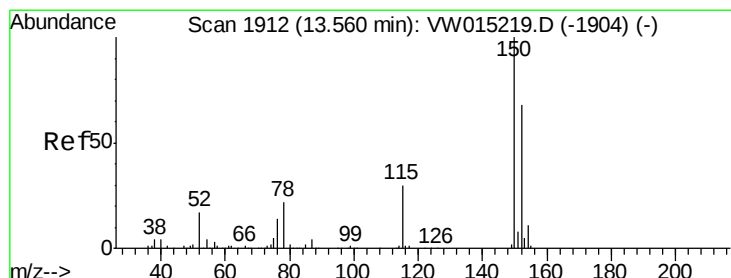
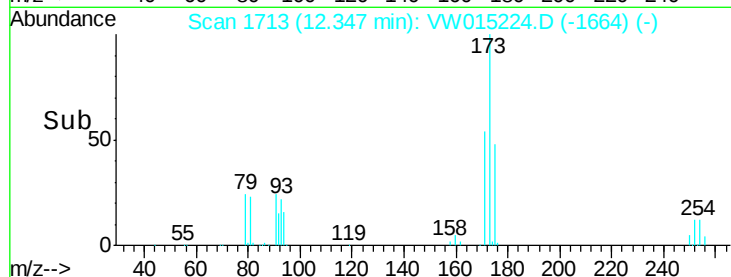
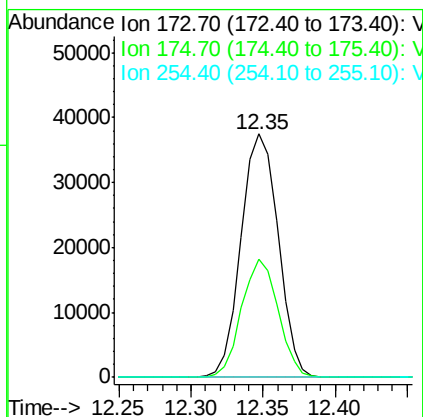
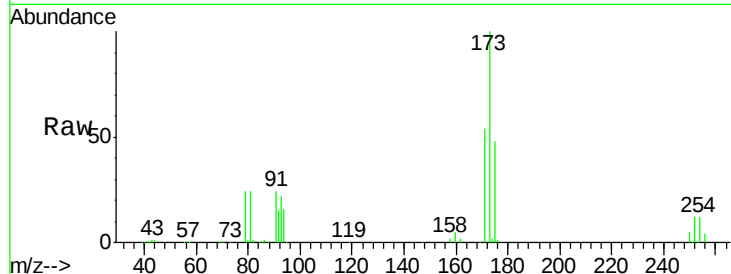
#71
Bromoform
Concen: 52.329 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	25.1	75.4
254	0.0	0.1	0.1#

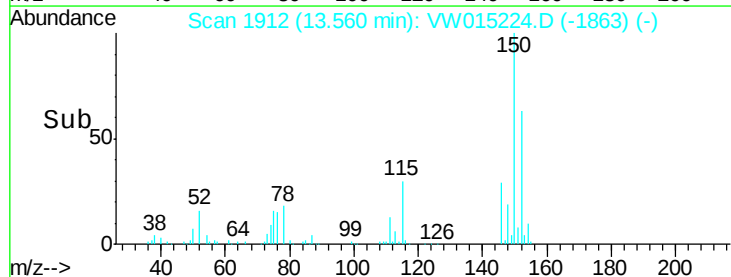
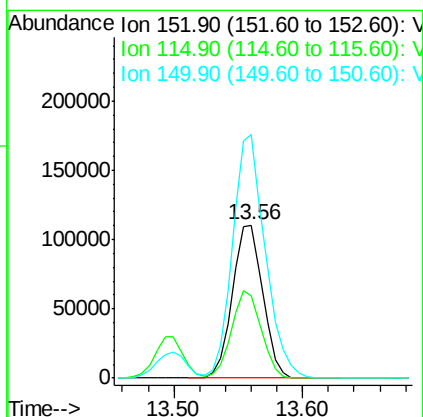
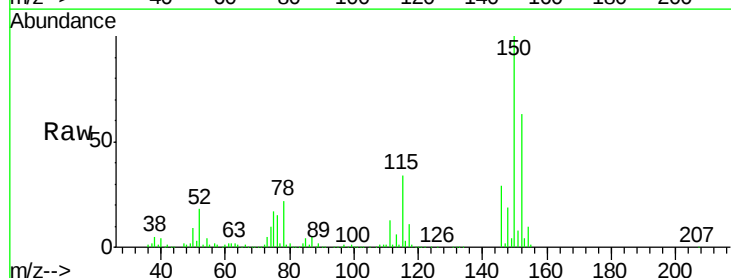
Manual Integrations
APPROVED

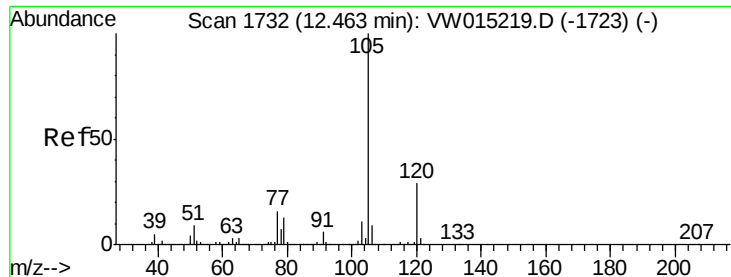
MMDadoda
4/21/2020 10:01:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	31.3	93.9
150	170.1	0.0	343.4





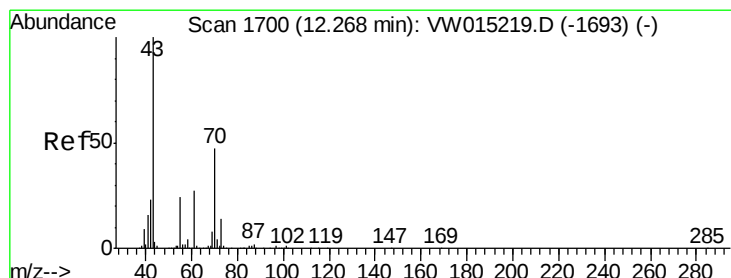
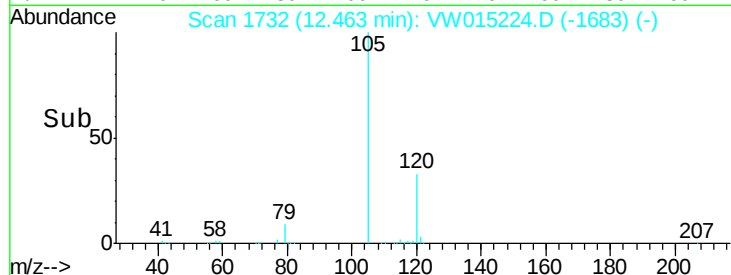
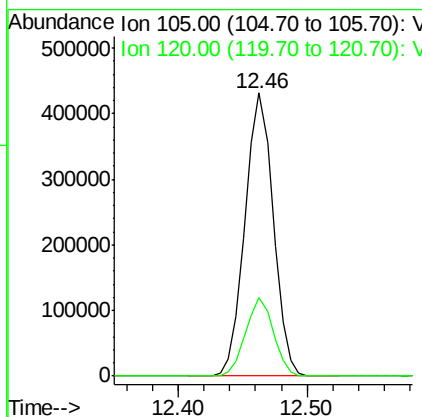
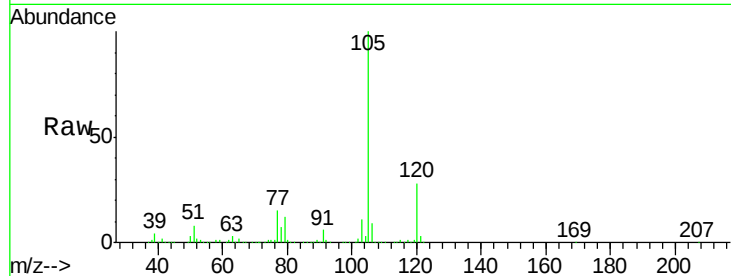
#73
Isopropylbenzene
Concen: 52.006 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.7	41.1

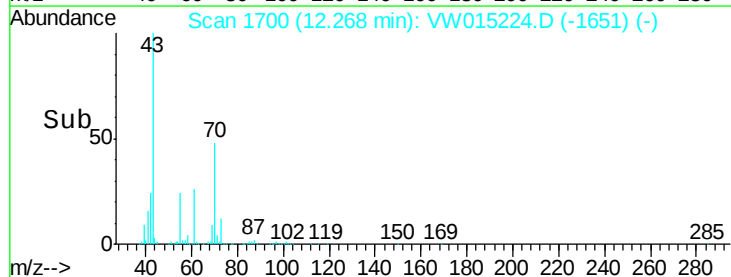
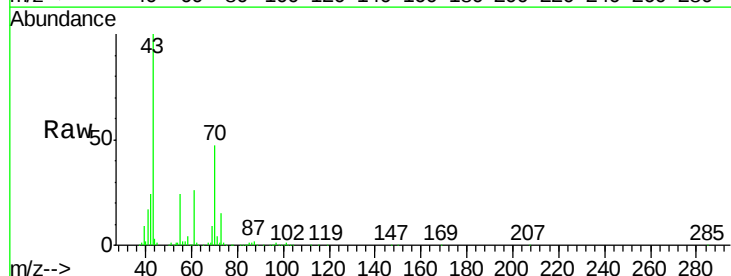
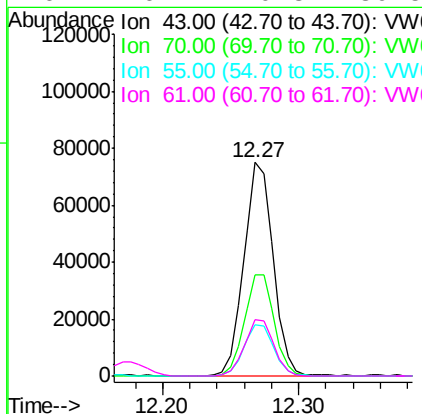
Manual Integrations
APPROVED

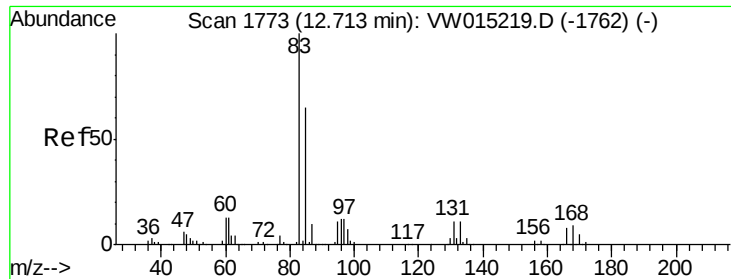
MMDadoda
4/21/2020 10:01:43 AM



#74
N-ethyl acetate
Concen: 51.316 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.5	35.4	53.2
55	24.4	18.5	27.7
61	26.7	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.753 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

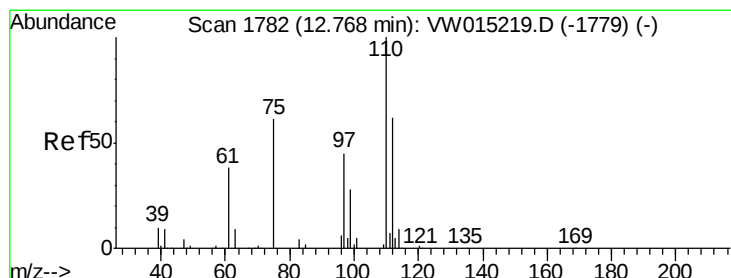
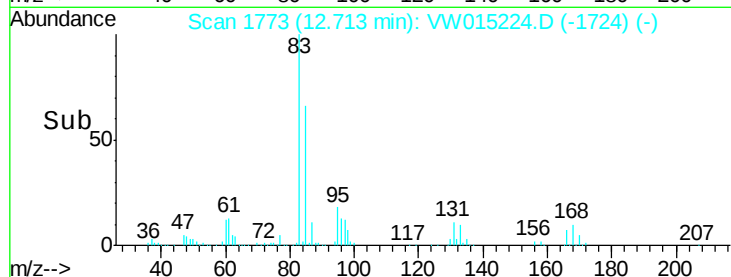
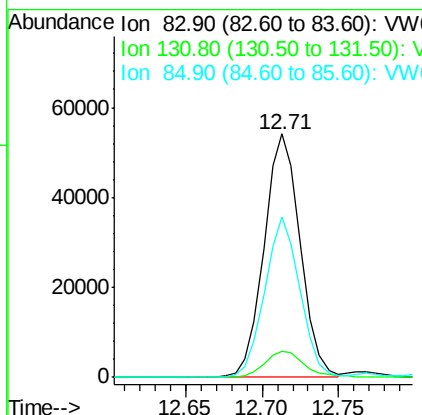
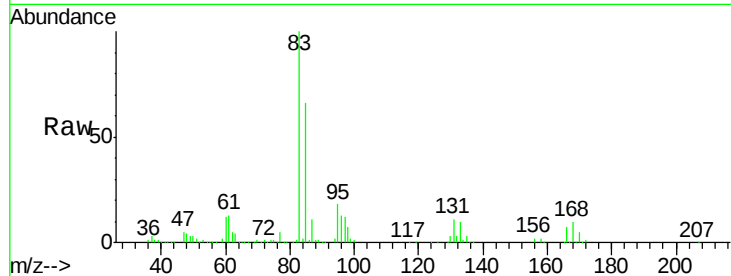
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	88811
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.1	15.2
85	64.5	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#76

1,2,3-Trichloropropane

Concen: 49.809 ug/l m

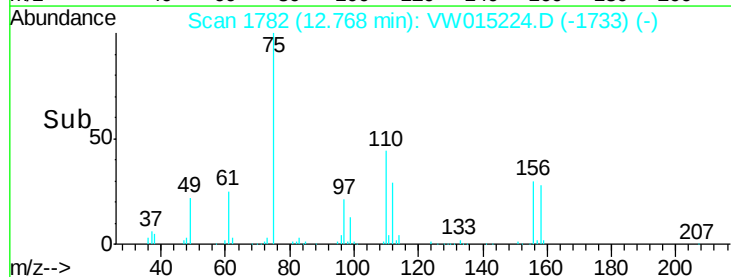
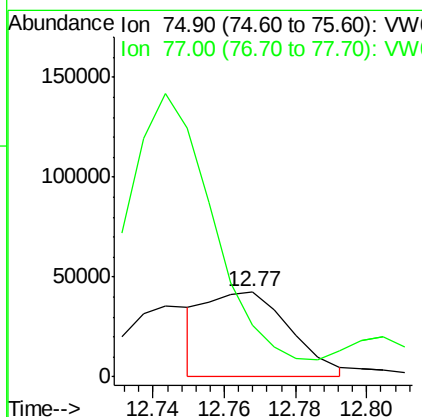
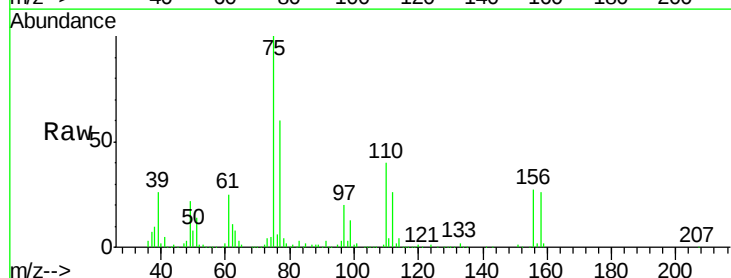
RT: 12.77 min Scan# 1782

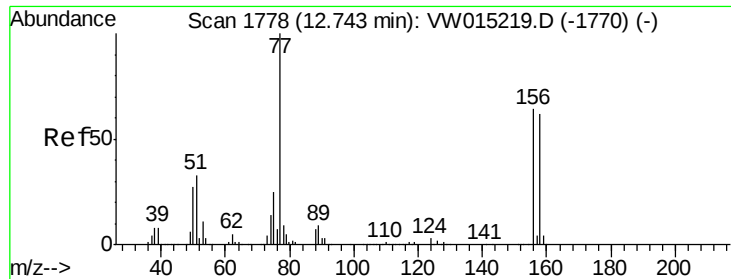
Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	75	Resp:	69870
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.016 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 150248

Ion Ratio Lower Upper

156 100

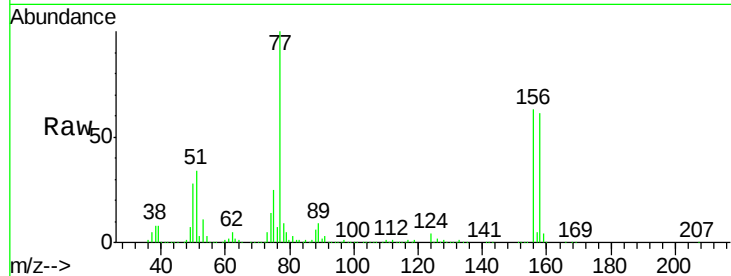
77 169.4 100.5 301.5

158 97.6 47.9 143.8

Manual Integrations
APPROVED

MMDadoda

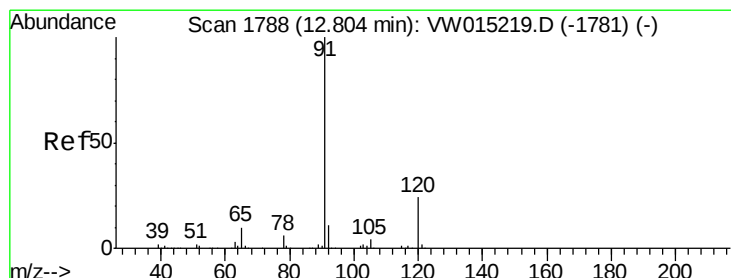
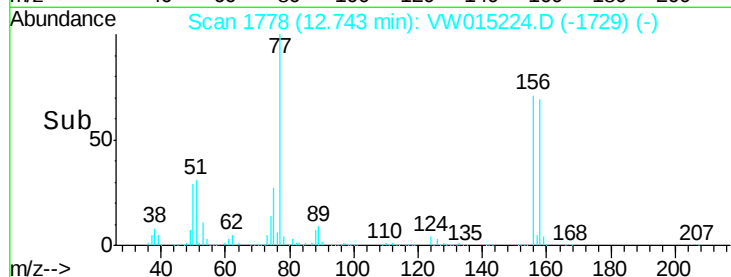
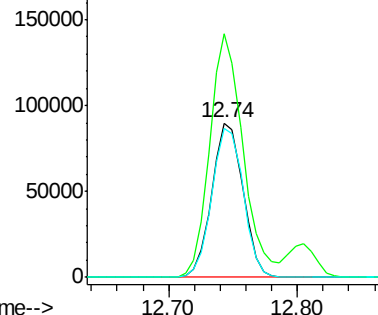
4/21/2020 10:01:43 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.455 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015224.D

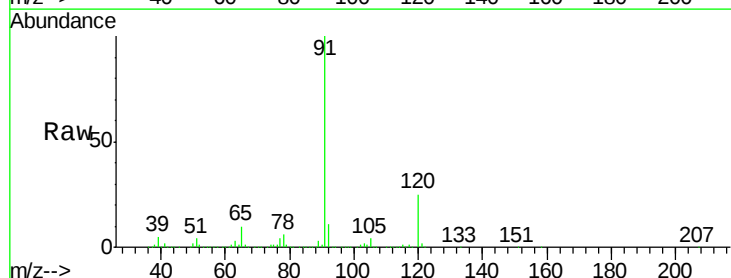
Acq: 20 Apr 2020 15:52

Tgt Ion: 91 Resp: 767852

Ion Ratio Lower Upper

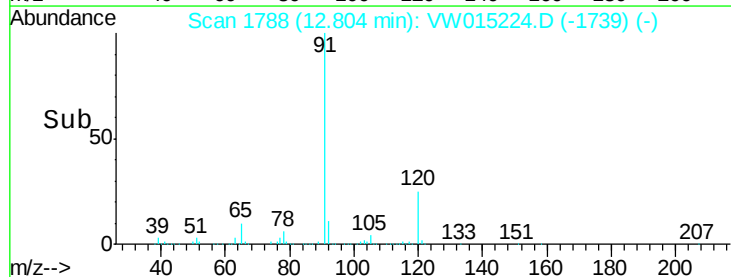
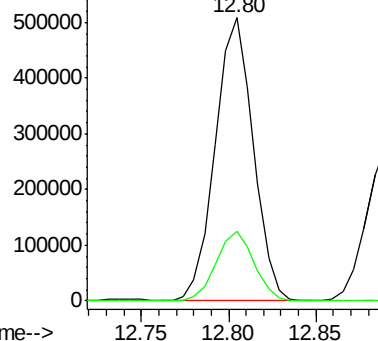
91 100

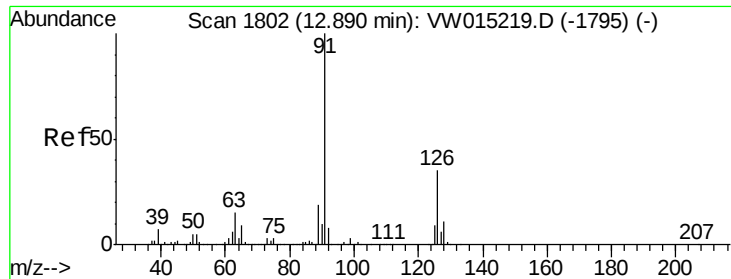
120 24.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.684 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 434613

Ion Ratio Lower Upper

91 100

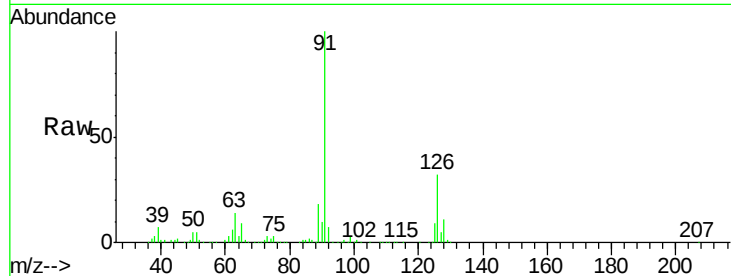
126 34.9 16.8 50.4

Manual Integrations

APPROVED

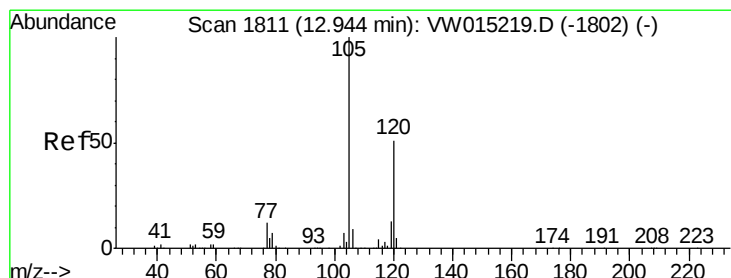
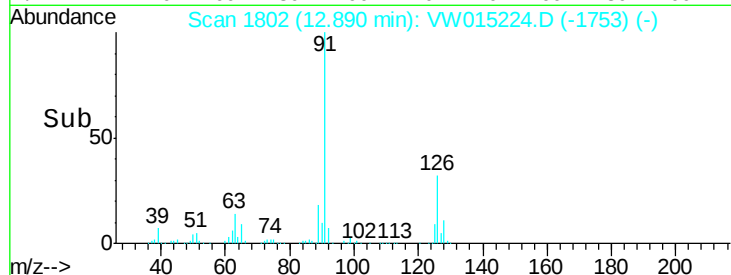
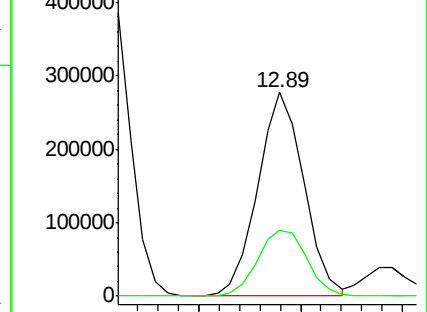
MMDadoda

4/21/2020 10:01:43 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: 52.169 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015224.D

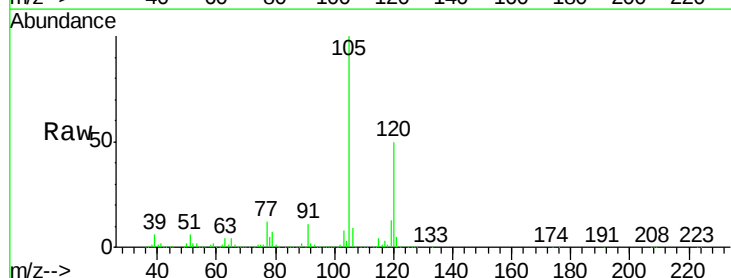
Acq: 20 Apr 2020 15:52

Tgt Ion:105 Resp: 564994

Ion Ratio Lower Upper

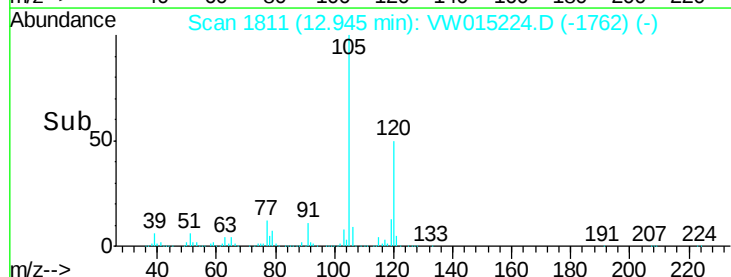
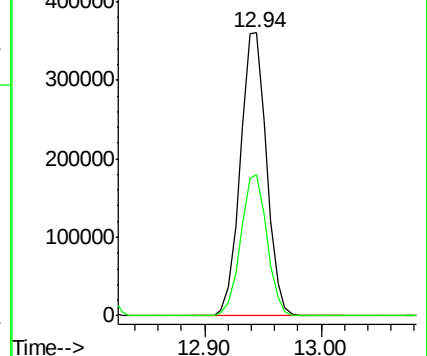
105 100

120 50.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





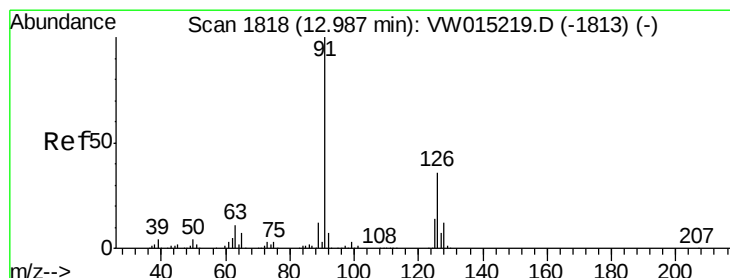
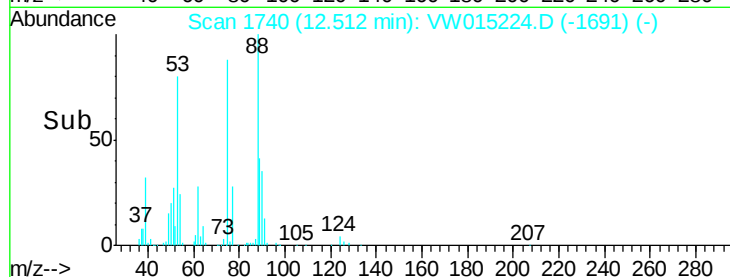
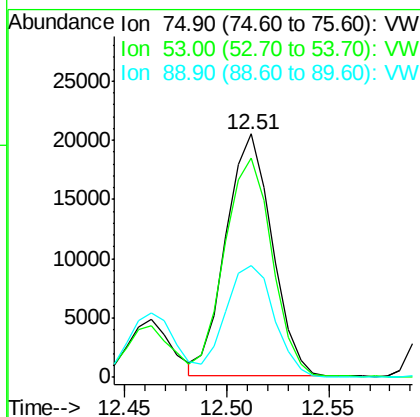
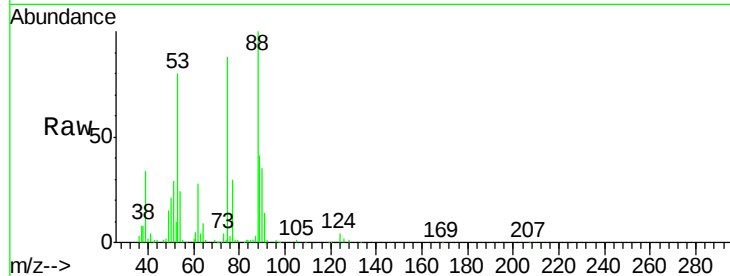
#81
trans-1,4-Dichloro-2-butene
Concen: 50.132 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	69.4	104.2
89	48.2	34.8	52.2

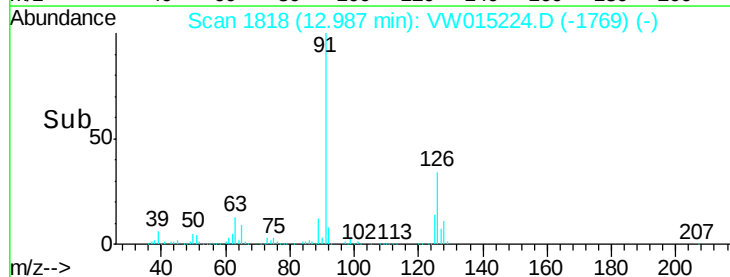
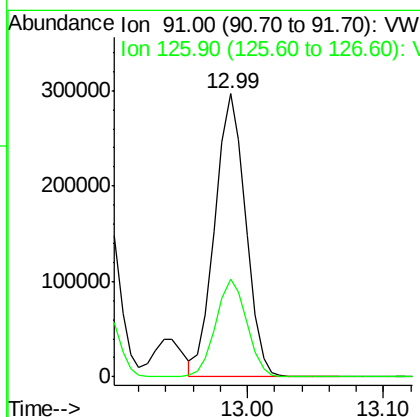
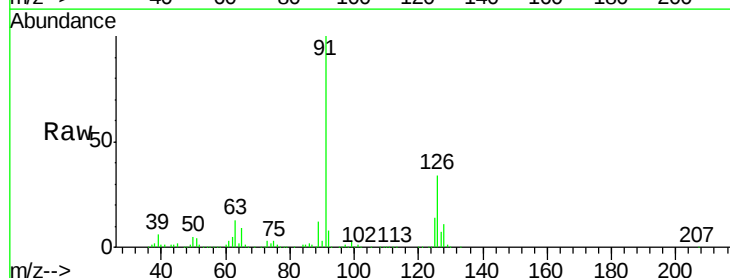
Manual Integrations
APPROVED

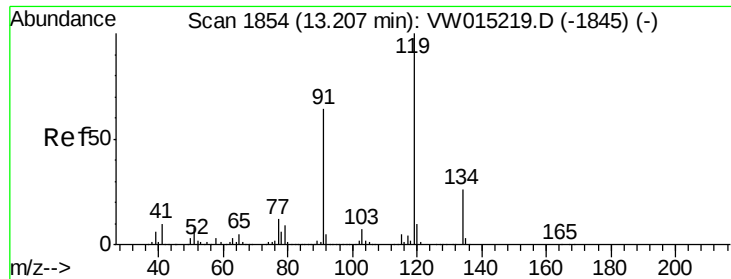
MMDadoda
4/21/2020 10:01:43 AM



#82
4-Chlorotoluene
Concen: 53.008 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.8	50.3





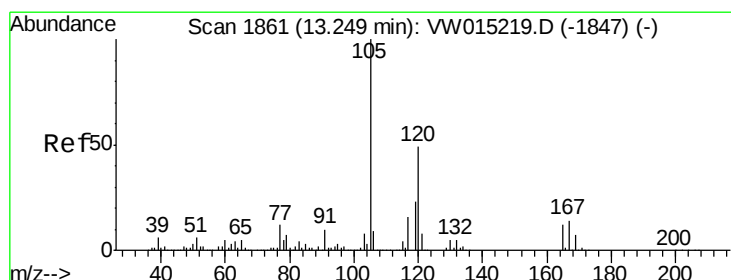
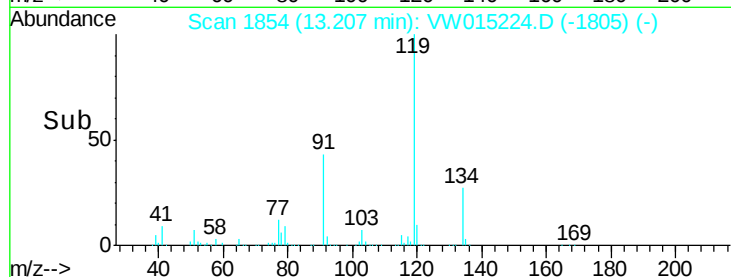
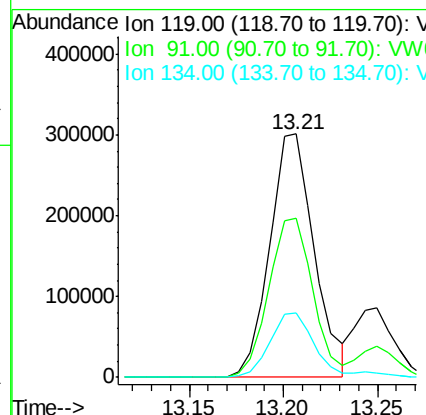
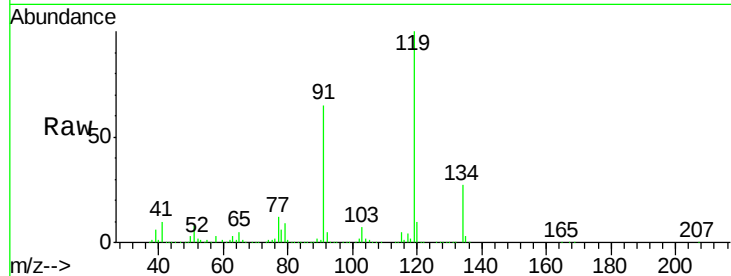
#83
tert-Butylbenzene
Concen: 52.063 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	492810		
91	64.7	32.8	98.3	
134	26.2	13.3	39.9	

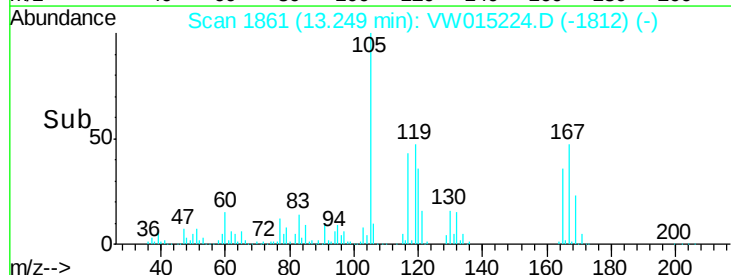
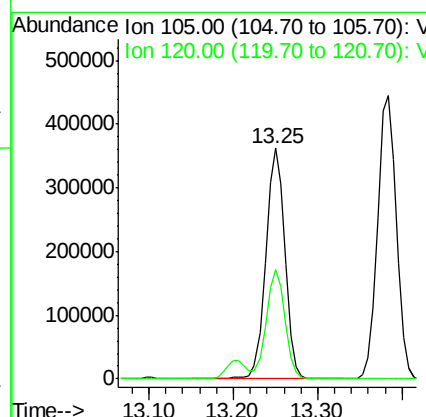
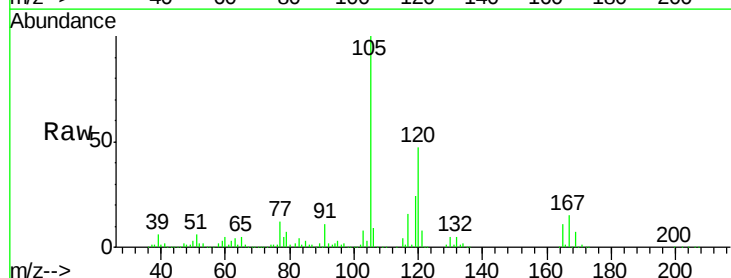
Manual Integrations
APPROVED

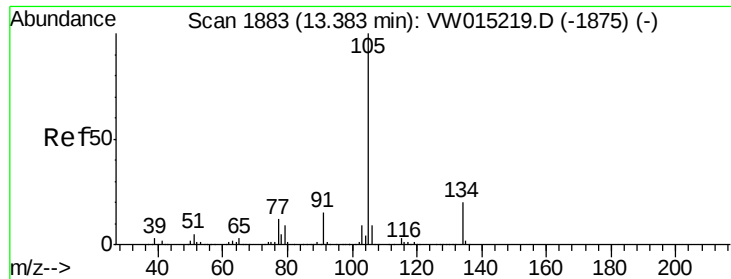
MMDadoda
4/21/2020 10:01:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.806 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	564064		
120	46.4	23.0	69.0	





#85

sec-Butylbenzene

Concen: 52.759 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 689689

Ion Ratio Lower Upper

105 100

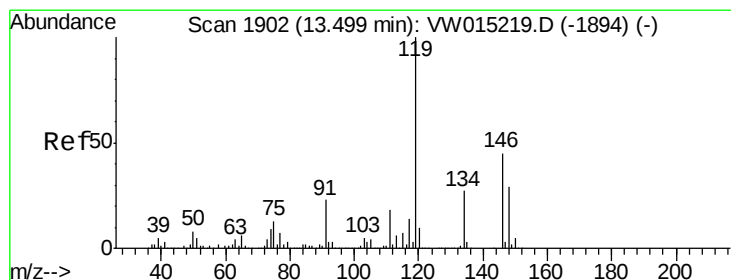
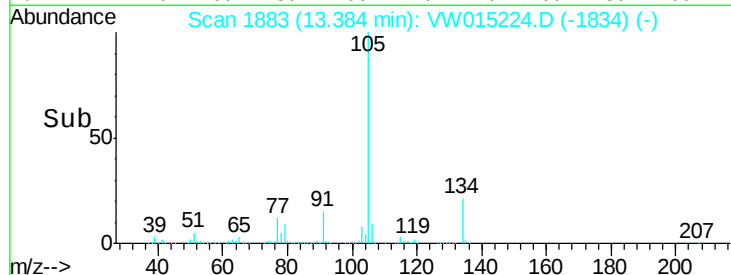
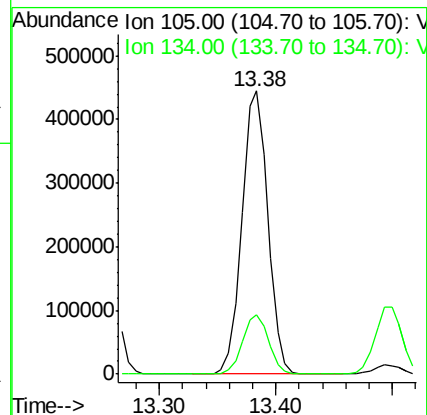
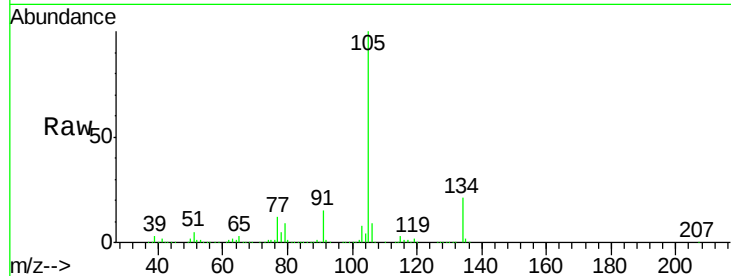
134 21.1 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

4/21/2020 10:01:43 AM



#86

p-Isopropyltoluene

Concen: 52.713 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

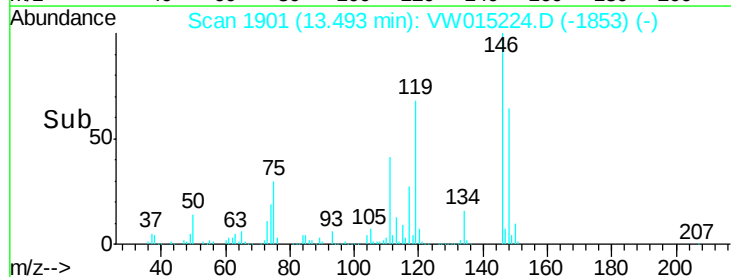
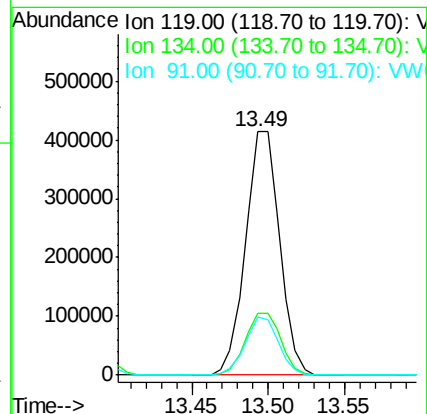
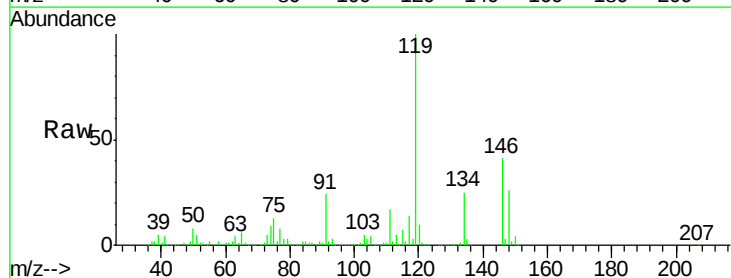
Tgt Ion:119 Resp: 640306

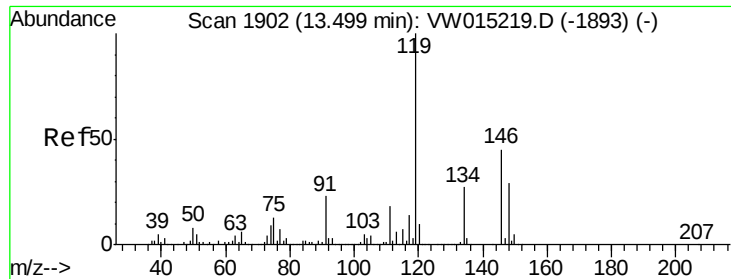
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.3 12.0 36.1





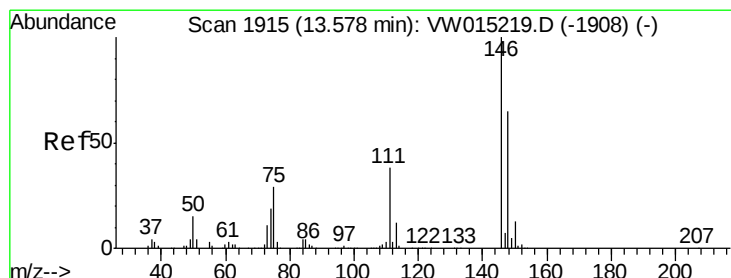
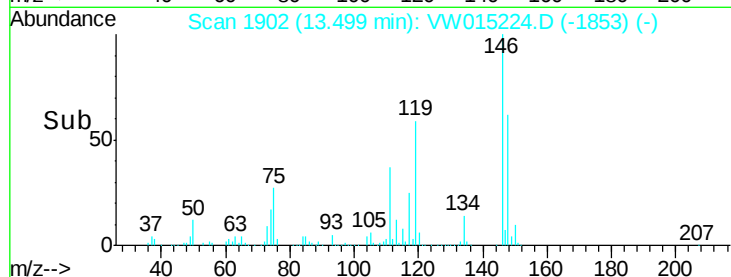
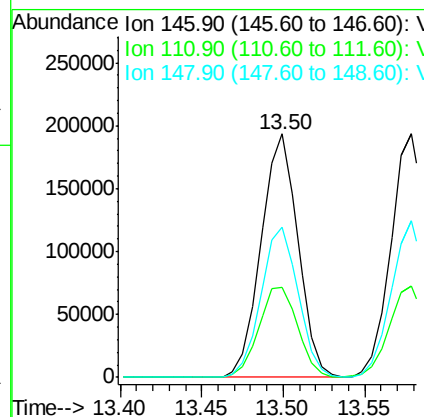
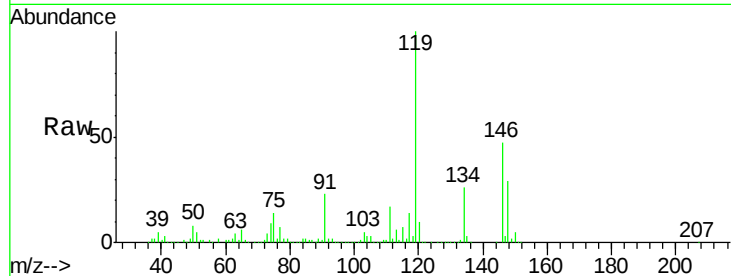
#87
 1,3-Dichlorobenzene
 Concen: 53.036 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	304383		
111	39.2	21.1	63.4	
148	62.4	31.8	95.3	

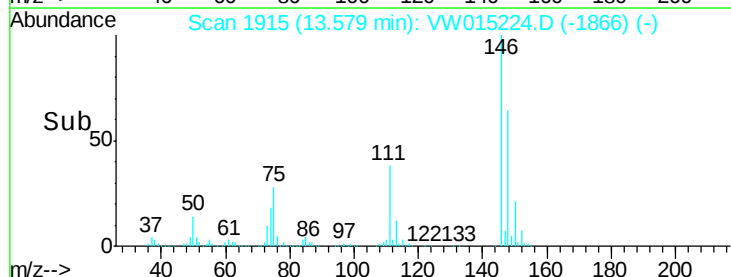
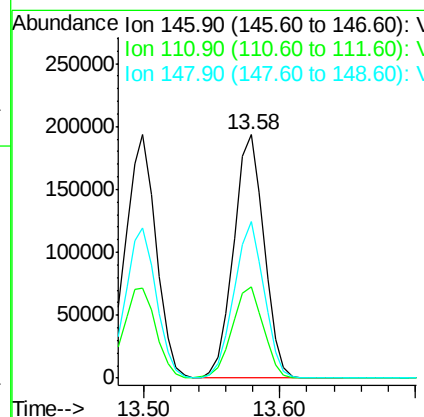
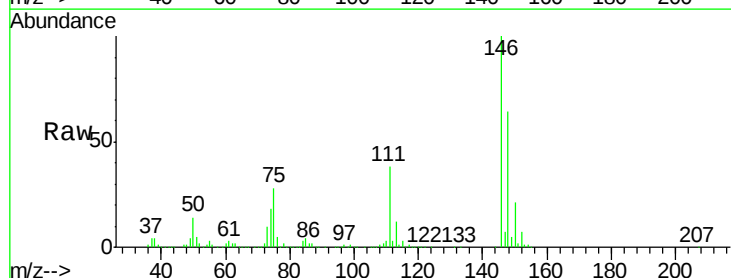
Manual Integrations
 APPROVED

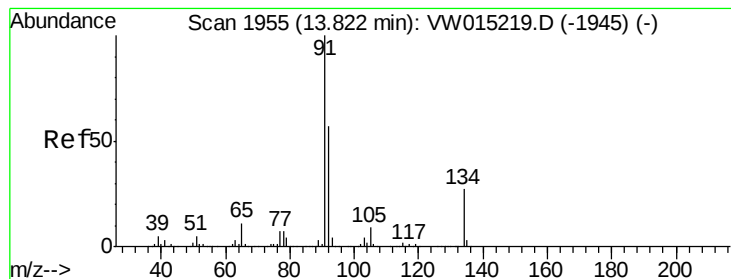
MMDadoda
 4/21/2020 10:01:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.518 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	301086		
111	38.3	20.4	61.3	
148	63.5	31.5	94.5	





#89

n-Butylbenzene

Concen: 51.656 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Instrument :

MSVOA_W

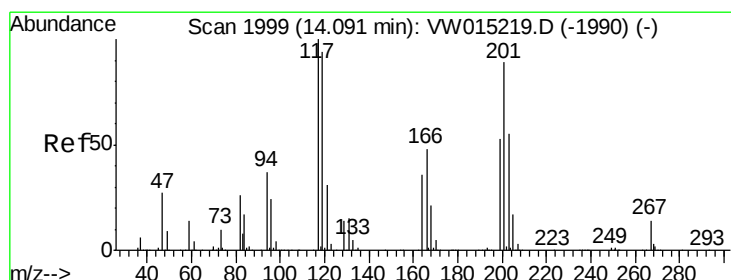
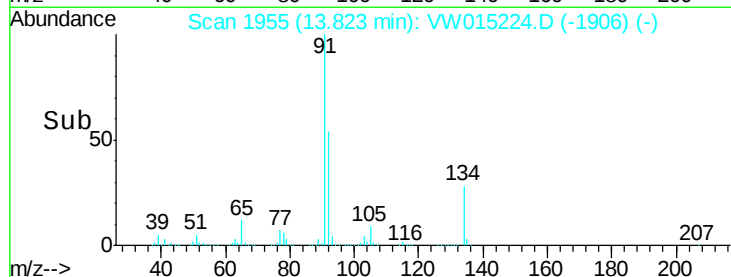
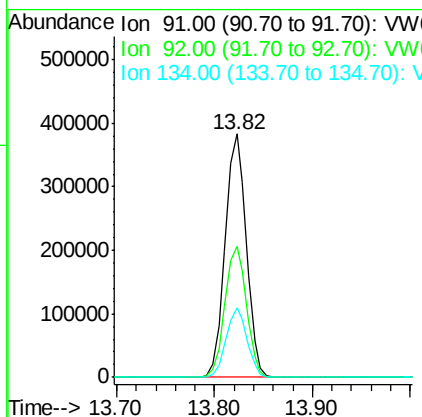
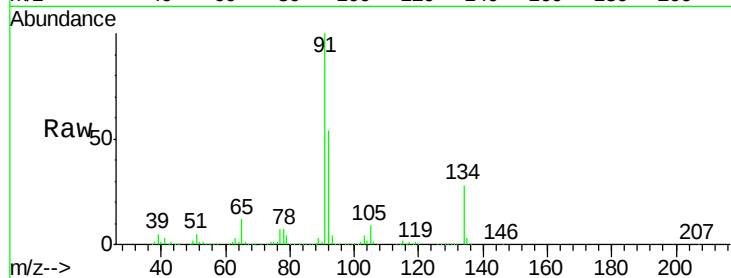
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	573520
Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.6	82.7
134	28.3	12.8	38.3

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#90

Hexachloroethane

Concen: 51.581 ug/l

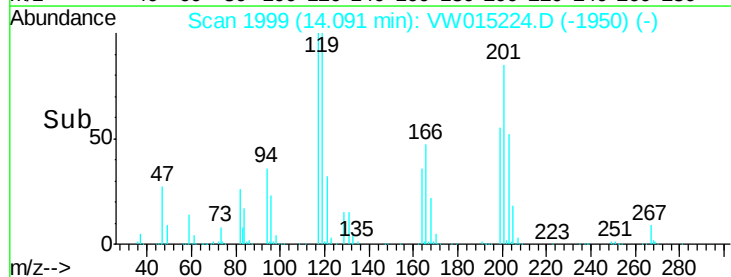
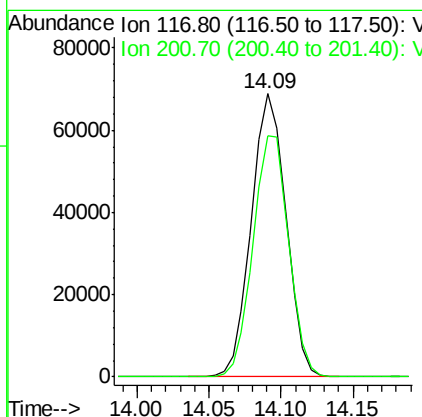
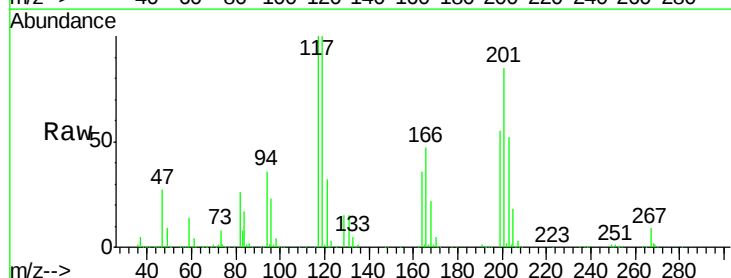
RT: 14.09 min Scan# 1999

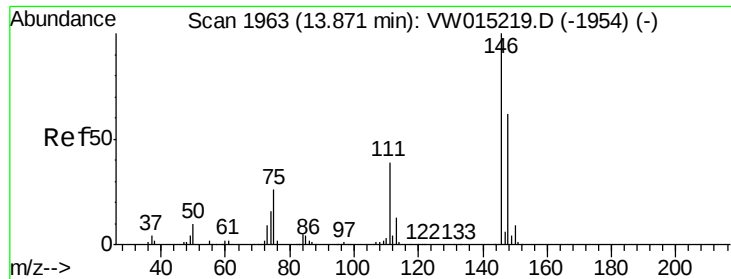
Delta R.T. 0.00 min

Lab File: VW015224.D

Acq: 20 Apr 2020 15:52

Tgt Ion:	117	Resp:	114904
Ion	Ratio	Lower	Upper
117	100		
201	87.3	33.6	100.6





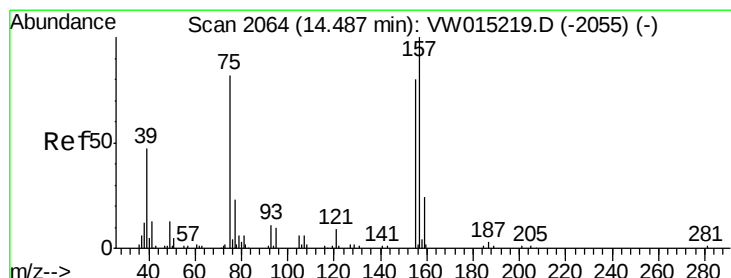
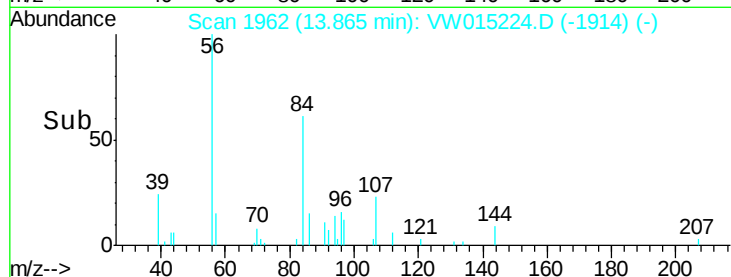
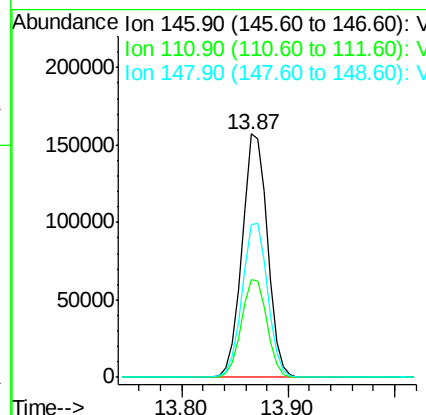
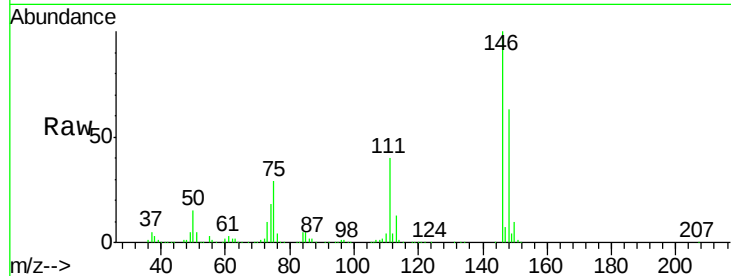
#91
 1,2-Dichlorobenzene
 Concen: 52.688 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.6	65.0
148	63.6	31.0	93.0

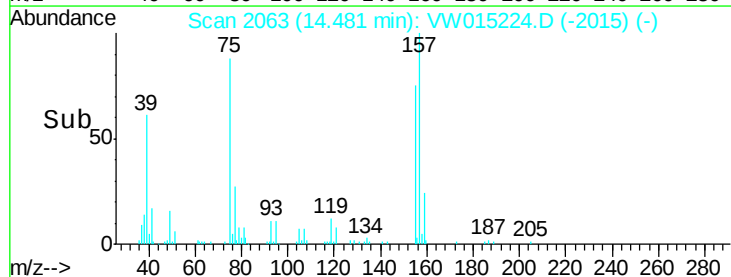
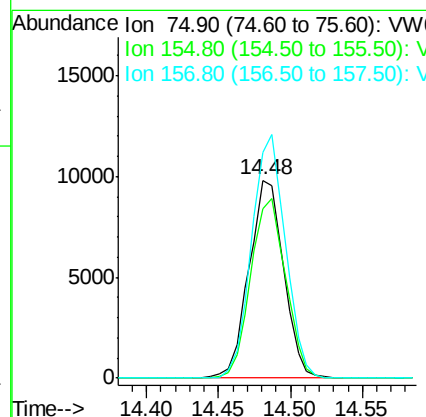
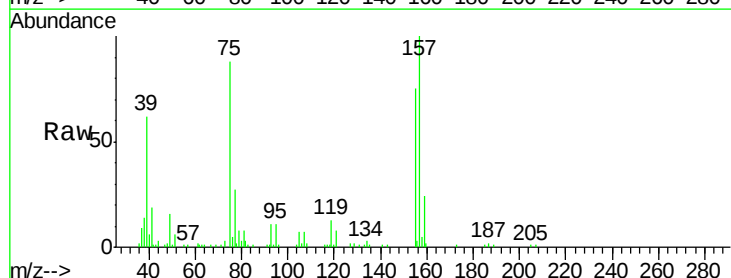
Manual Integrations
 APPROVED

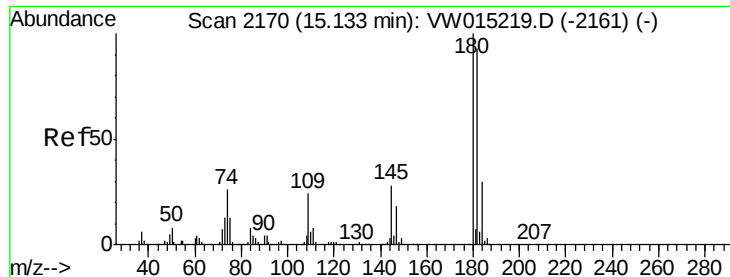
MMDadoda
 4/21/2020 10:01:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.515 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	41.6	124.9
157	119.2	53.8	161.2





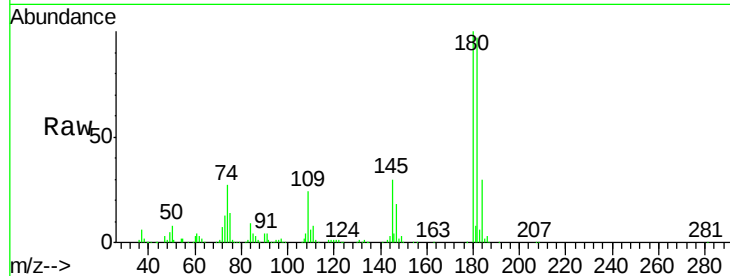
#93
 1,2,4-Trichlorobenzene
 Concen: 50.901 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

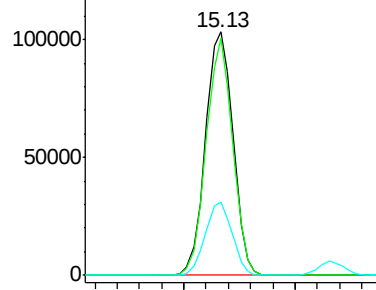
Tot Ion	Ratio	Resp	Lower	Upper
180	100	176448		
182	93.3	47.1	141.4	
145	29.6	16.2	48.6	

Manual Integrations
 APPROVED

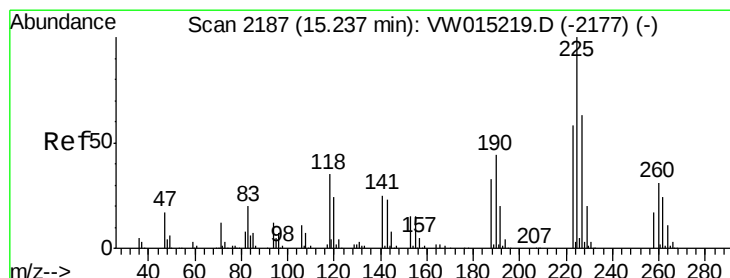
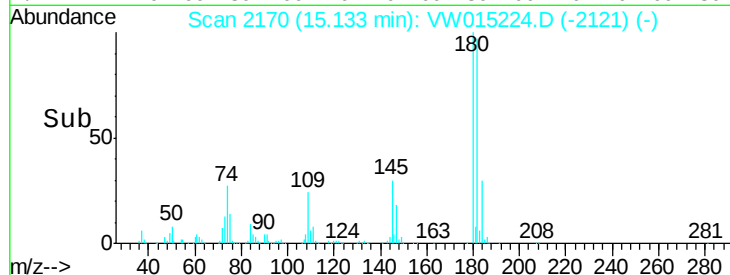
MMDadoda
 4/21/2020 10:01:43 AM



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

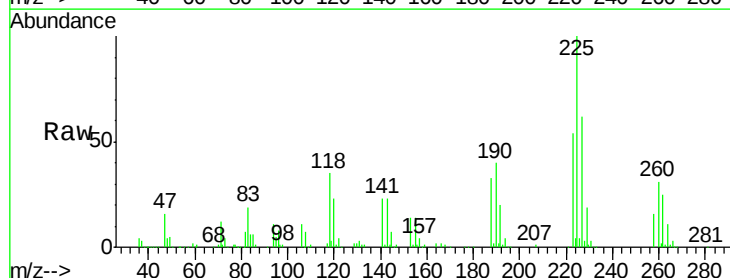


Time-->

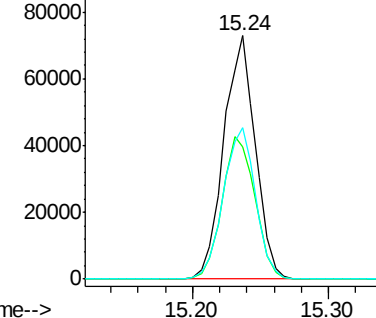


#94
 Hexachlorobutadiene
 Concen: 51.341 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015224.D
 Acq: 20 Apr 2020 15:52

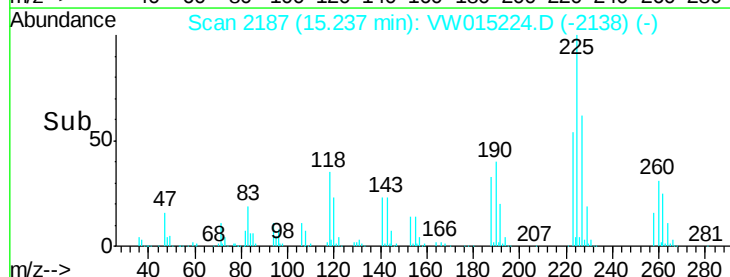
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118655		
223	60.9	31.0	93.0	
227	63.6	30.8	92.3	

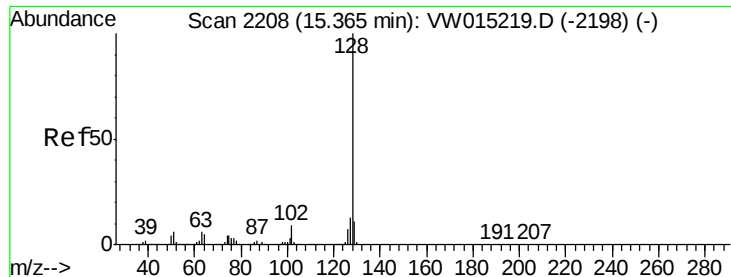


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





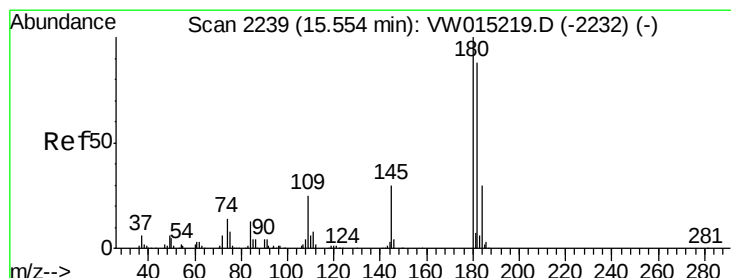
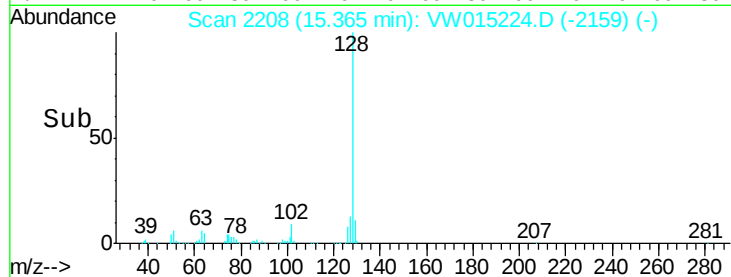
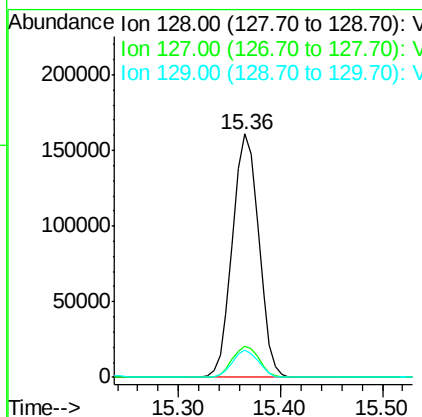
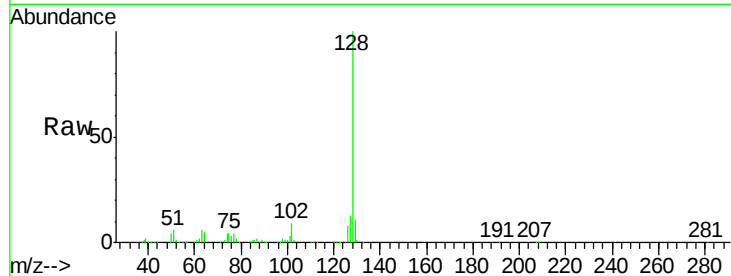
#95
Naphthalene
Concen: 51.488 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.336 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015224.D
Acq: 20 Apr 2020 15:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.8	146.3
145	30.7	17.2	51.6

