

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016406.D
 Acq On : 31 Aug 2020 13:03
 Operator : SY/VA
 Sample : VW0831SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 12:40:16 PM

Quant Time: Sep 01 03:13:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	176328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	272722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	241959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	88560	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.88	113	86675	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.33	98	332983	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.62	95	122922	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23133	23.278	ug/l	95
3) Chloromethane	2.21	50	18191	19.028	ug/l	97
4) Vinyl Chloride	2.36	62	28467	20.429	ug/l	94
5) Bromomethane	2.78	94	19469	19.787	ug/l	96
6) Chloroethane	2.92	64	17084	20.597	ug/l	89
7) Trichlorofluoromethane	3.26	101	37686	22.369	ug/l	98
8) Diethyl Ether	3.68	74	16382	19.318	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	34369	20.900	ug/l	99
10) Methyl Iodide	4.27	142	52392	20.848	ug/l	99
11) Tert butyl alcohol	5.21	59	10682	92.766	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	33662	20.060	ug/l	93
13) Acrolein	3.90	56	7620	93.709	ug/l	95
14) Allyl chloride	4.67	41	41276	19.678	ug/l	98
15) Acrylonitrile	5.37	53	29984	94.966	ug/l	99
16) Acetone	4.14	43	27764	92.628	ug/l	99
17) Carbon Disulfide	4.38	76	98586	20.925	ug/l	100
18) Methyl Acetate	4.68	43	11910	17.425	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	51009	19.896	ug/l	99
20) Methylene Chloride	4.92	84	41148	18.161	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	38331	20.380	ug/l	99
22) Diisopropyl ether	6.32	45	82668	19.910	ug/l	99
23) Vinyl Acetate	6.26	43	245624	96.530	ug/l	98
24) 1,1-Dichloroethane	6.21	63	61319	20.484	ug/l	98
25) 2-Butanone	7.18	43	37190	91.448	ug/l	92
26) 2,2-Dichloropropane	7.16	77	49880	21.574	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	39685	19.475	ug/l	98
28) Bromochloromethane	7.51	49	20652	18.993	ug/l #	99
29) Tetrahydrofuran	7.53	42	21851	90.007	ug/l	100
30) Chloroform	7.68	83	68976	20.743	ug/l	100
31) Cyclohexane	7.96	56	54904	20.012	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	63792	21.301	ug/l	100
36) 1,1-Dichloropropene	8.09	75	54399	20.960	ug/l	99
37) Ethyl Acetate	7.26	43	16978	19.309	ug/l	97
38) Carbon Tetrachloride	8.07	117	61281	21.548	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016406.D
 Acq On : 31 Aug 2020 13:03
 Operator : SY/VA
 Sample : VW0831SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 12:40:16 PM

Quant Time: Sep 01 03:13:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	64987	20.679	ug/l	100
40) Benzene	8.32	78	143816	20.697	ug/l	98
41) Methacrylonitrile	7.48	41	9860	19.476	ug/l	98
42) 1,2-Dichloroethane	8.40	62	43724	20.630	ug/l	100
43) Isopropyl Acetate	8.43	43	33337	18.999	ug/l	98
44) Trichloroethene	9.09	130	42480	20.432	ug/l	97
45) 1,2-Dichloropropane	9.37	63	31540	19.566	ug/l	99
46) Dibromomethane	9.46	93	19035	19.875	ug/l	99
47) Bromodichloromethane	9.65	83	49706	20.123	ug/l	95
48) Methyl methacrylate	9.44	41	15399	18.407	ug/l	98
49) 1,4-Dioxane	9.46	88	4924	377.439	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	81122	93.500	ug/l	98
52) Toluene	10.39	92	96793	20.776	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	48200	20.065	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	56654	20.241	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	27674	20.266	ug/l	92
56) Ethyl methacrylate	10.65	69	30200	18.926	ug/l	97
57) 1,3-Dichloropropane	10.93	76	44803	19.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	66355	92.610	ug/l	99
59) 2-Hexanone	10.97	43	55668	94.047	ug/l	97
60) Dibromochloromethane	11.13	129	34590	20.033	ug/l	99
61) 1,2-Dibromoethane	11.24	107	25909	19.347	ug/l	94
64) Tetrachloroethene	10.87	164	36621	22.034	ug/l	96
65) Chlorobenzene	11.66	112	104225	20.915	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	38866	21.064	ug/l	98
67) Ethyl Benzene	11.73	91	189594	21.311	ug/l	98
68) m/p-Xylenes	11.84	106	147089	43.305	ug/l	96
69) o-Xylene	12.17	106	66263	21.215	ug/l	97
70) Styrene	12.18	104	112349	21.105	ug/l	99
71) Bromoform	12.35	173	18968	20.203	ug/l #	97
73) Isopropylbenzene	12.47	105	190963	21.358	ug/l	99
74) N-amyl acetate	12.27	43	29699	18.981	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	29186	19.829	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	21275m	19.842	ug/l	
77) Bromobenzene	12.75	156	42766	20.575	ug/l	97
78) n-propylbenzene	12.80	91	225550	21.489	ug/l	99
79) 2-Chlorotoluene	12.90	91	129347	20.925	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	166803	21.270	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9436	19.538	ug/l	96
82) 4-Chlorotoluene	12.99	91	136388	21.104	ug/l	98
83) tert-Butylbenzene	13.21	119	138368	21.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	166655	21.307	ug/l	100
85) sec-Butylbenzene	13.38	105	191902	21.036	ug/l	99
86) p-Isopropyltoluene	13.50	119	184193	21.628	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	83128	20.835	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	84387	21.022	ug/l	97
89) n-Butylbenzene	13.82	91	160907	20.579	ug/l	98
90) Hexachloroethane	14.10	117	32560	20.363	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	71941	20.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5164	19.301	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
Data File : VW016406.D
Acq On : 31 Aug 2020 13:03
Operator : SY/VA
Sample : VW0831SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

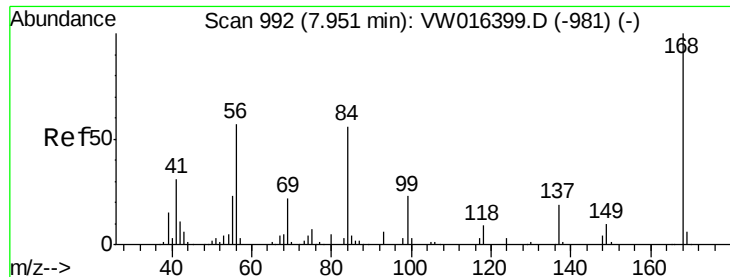
Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM

Quant Time: Sep 01 03:13:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 28 15:01:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	46203	19.474	ug/l	95
94) Hexachlorobutadiene	15.24	225	29730	20.990	ug/l	97
95) Naphthalene	15.37	128	79774	18.170	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	38838	18.683	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion:168 Resp: 176328

Ion Ratio Lower Upper

168 100

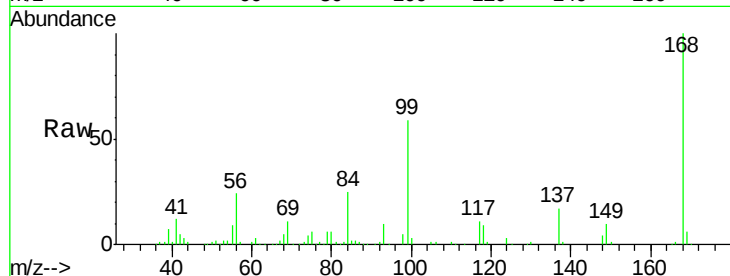
99 59.0 49.0 73.4

Manual Integrations

APPROVED

MMDadoda

9/1/2020 12:40:16 PM



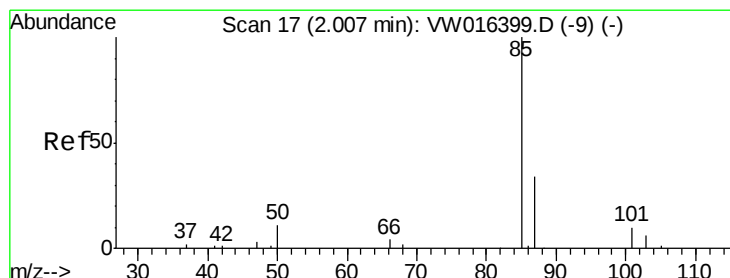
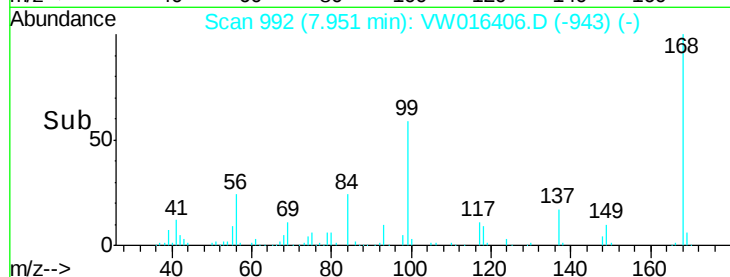
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.278 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016406.D

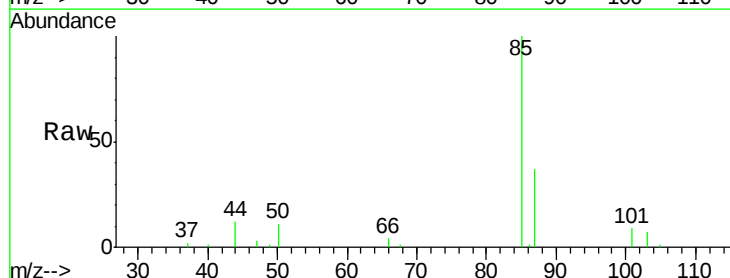
Acq: 31 Aug 2020 13:03

Tgt Ion: 85 Resp: 23133

Ion Ratio Lower Upper

85 100

87 36.8 17.0 51.0



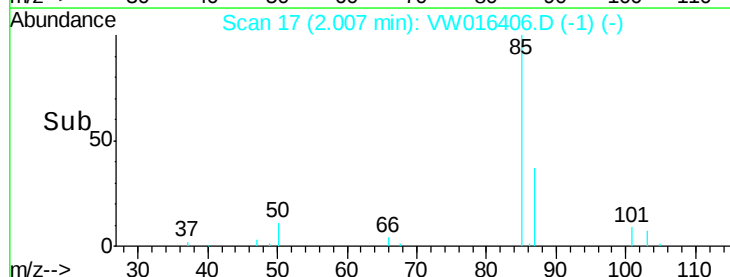
Abundance Ion 84.90 (84.60 to 85.60): VW

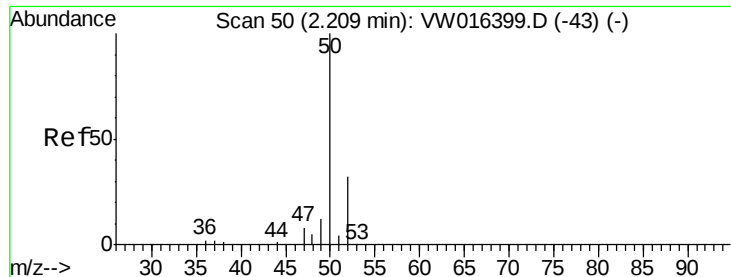
Ion 86.90 (86.60 to 87.60): VW

2.01

2.10

Time-->





#3

Chloromethane

Concen: 19.028 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 50 Resp: 18191

Ion Ratio Lower Upper

50 100

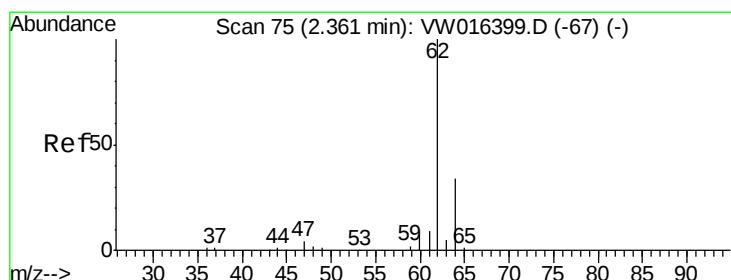
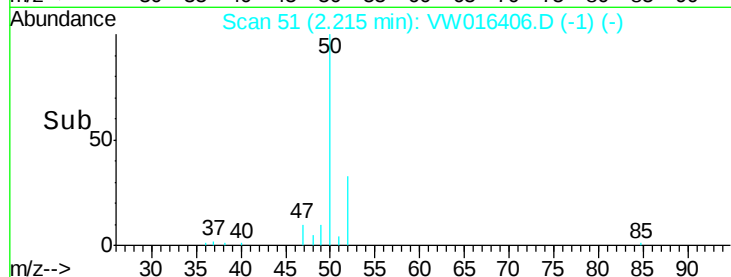
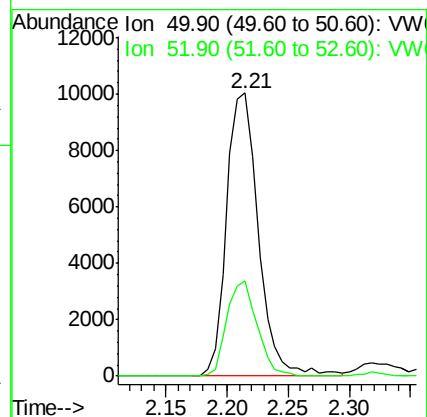
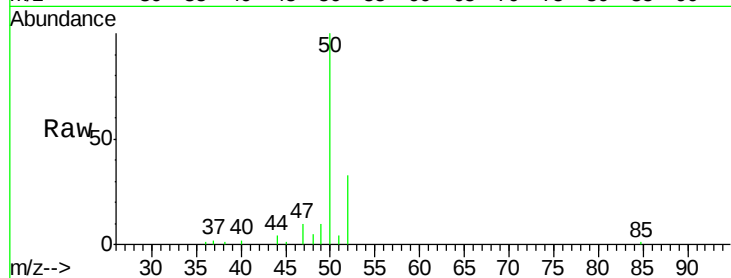
52 33.5 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/1/2020 12:40:16 PM



#4

Vinyl Chloride

Concen: 20.429 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW016406.D

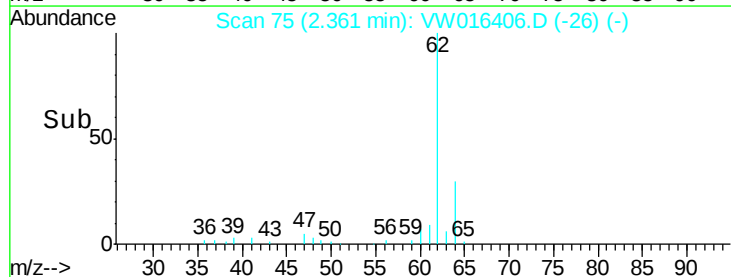
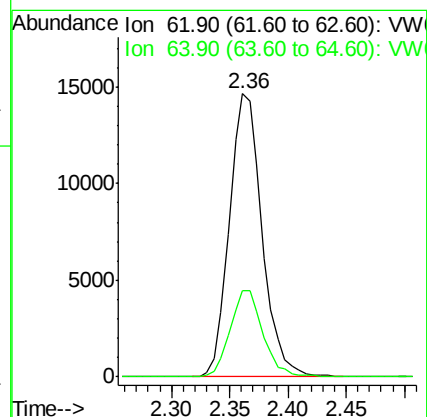
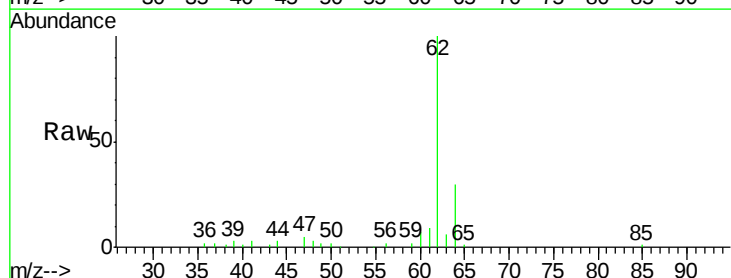
Acq: 31 Aug 2020 13:03

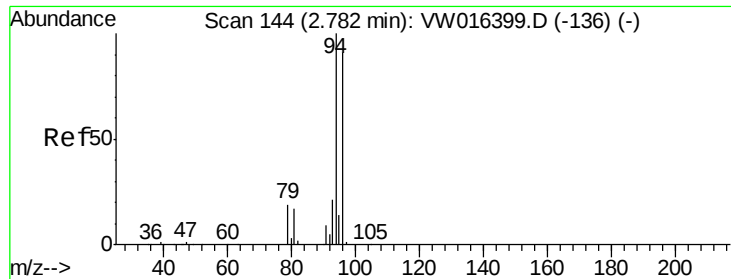
Tgt Ion: 62 Resp: 28467

Ion Ratio Lower Upper

62 100

64 30.4 27.2 40.8





#5

Bromomethane

Concen: 19.787 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 94 Resp: 19469

Ion Ratio Lower Upper

94 100

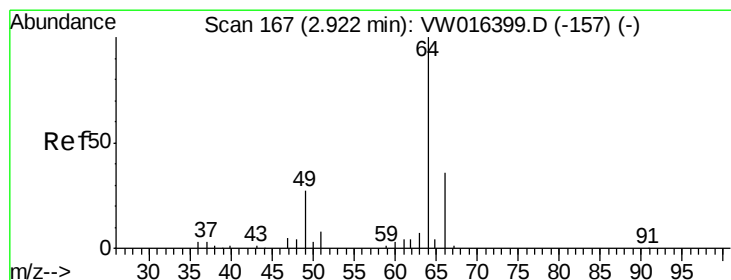
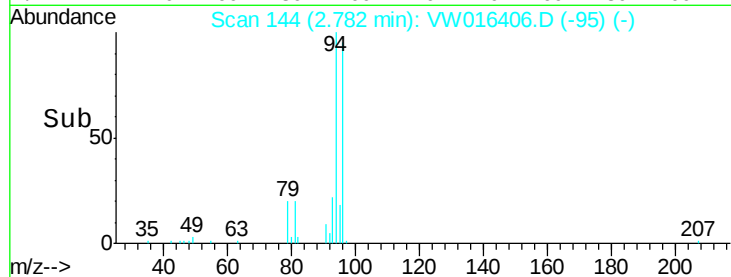
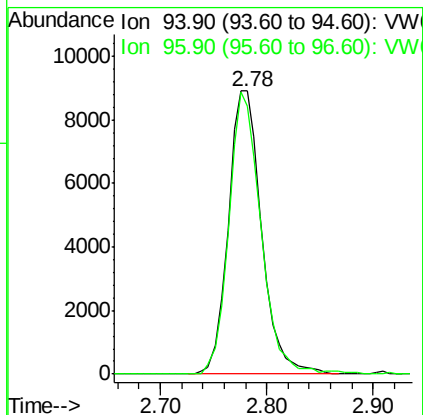
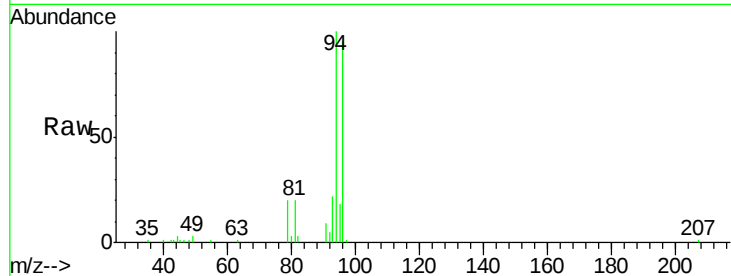
96 94.8 72.6 109.0

Manual Integrations

APPROVED

MMDadoda

9/1/2020 12:40:16 PM



#6

Chloroethane

Concen: 20.597 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW016406.D

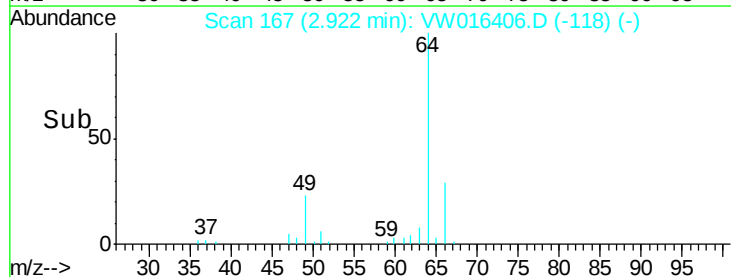
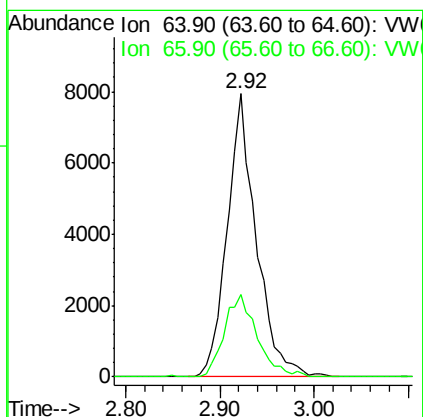
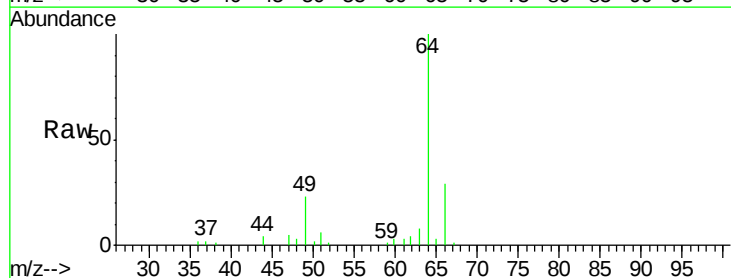
Acq: 31 Aug 2020 13:03

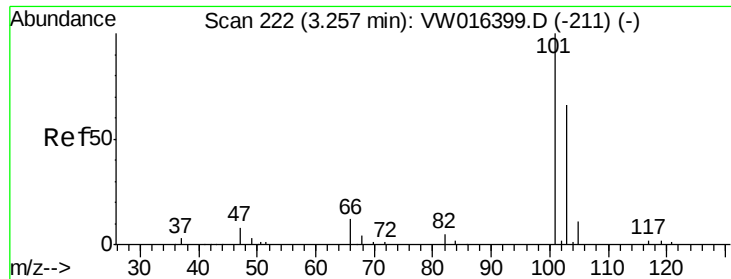
Tgt Ion: 64 Resp: 17084

Ion Ratio Lower Upper

64 100

66 29.3 28.7 43.1





#7

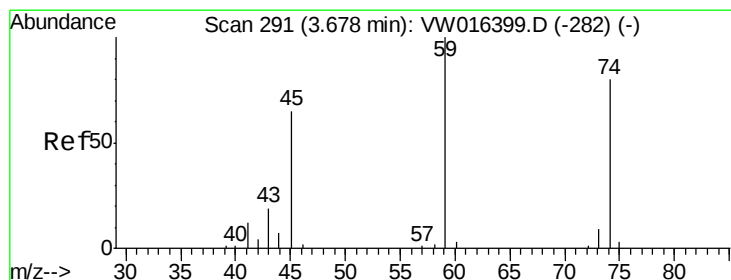
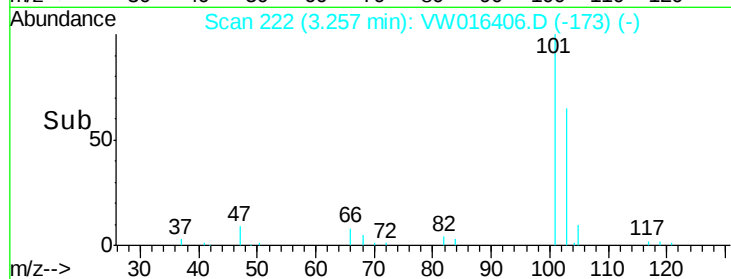
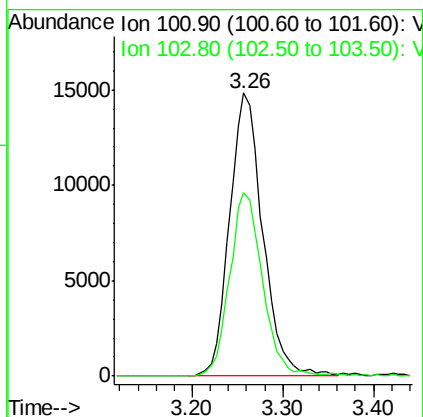
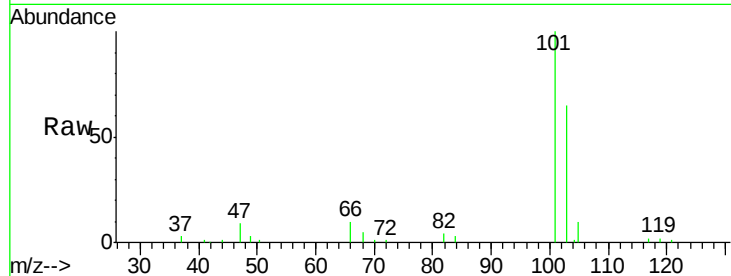
Trichlorofluoromethane
 Concen: 22.369 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.0	79.4

Manual Integrations
 APPROVED

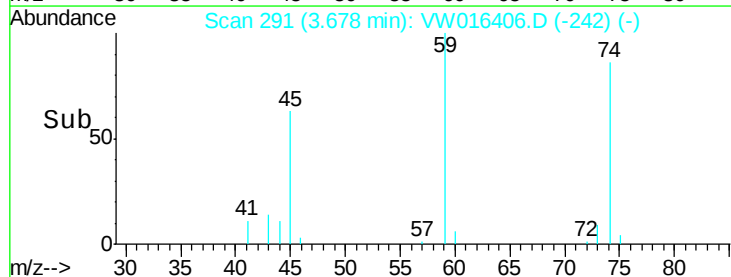
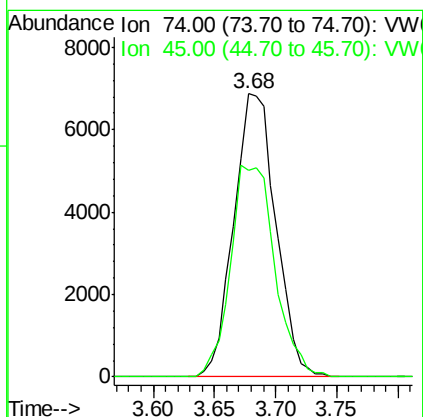
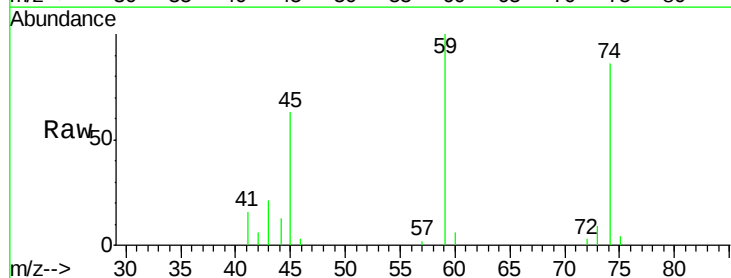
MMDadoda
 9/1/2020 12:40:16 PM

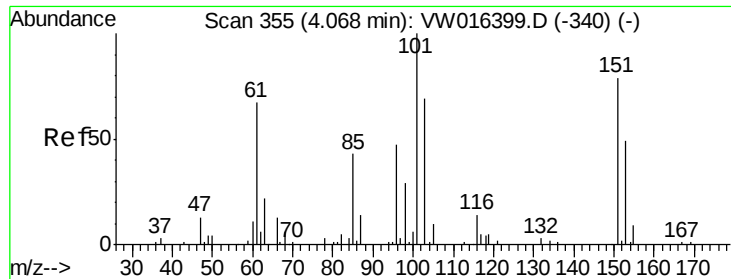


#8

Diethyl Ether
 Concen: 19.318 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.8	42.0	126.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.900 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

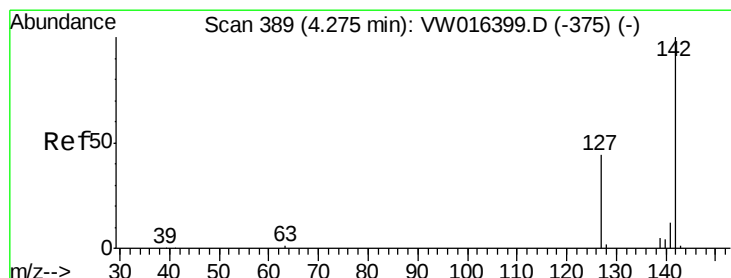
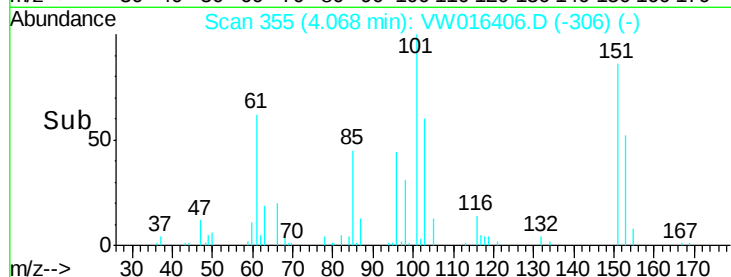
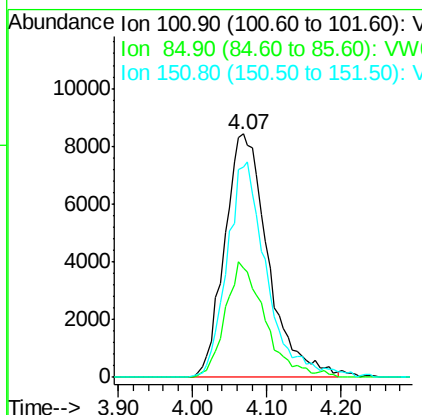
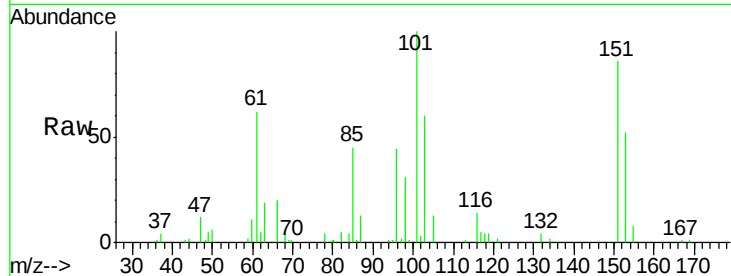
ClientSampleId :

VW0831SBS01

Tot Ion:	101	Resp:	34369
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.2
151	81.0	63.8	95.8

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM



#10

Methyl Iodide

Concen: 20.848 ug/l

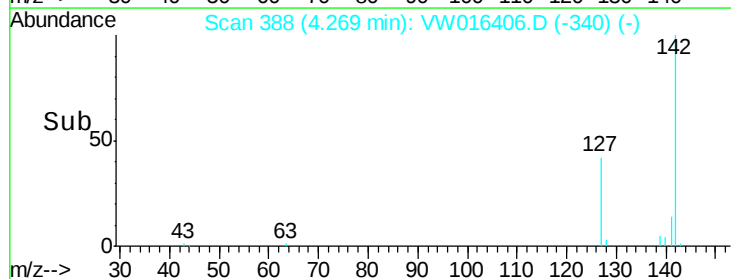
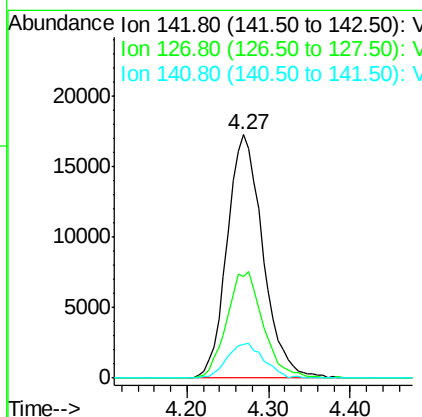
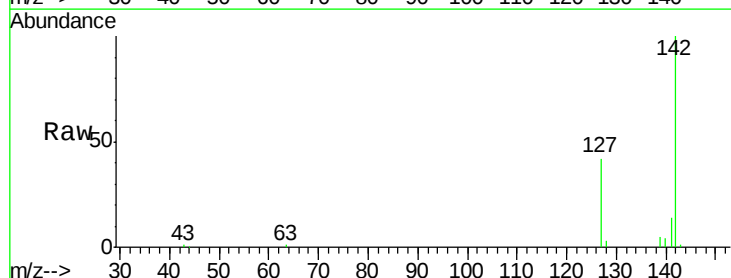
RT: 4.27 min Scan# 388

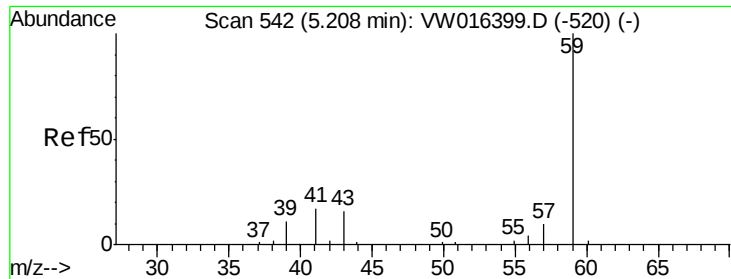
Delta R.T. -0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion:	142	Resp:	52392
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.2	54.4
141	14.6	11.8	17.6





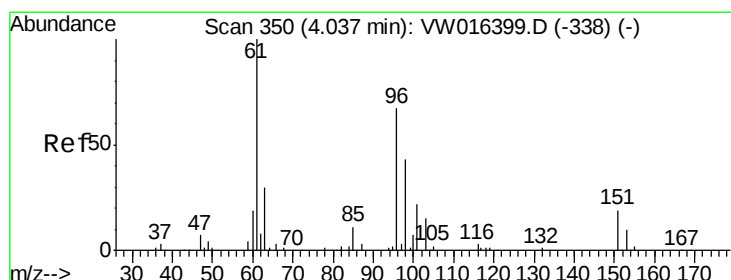
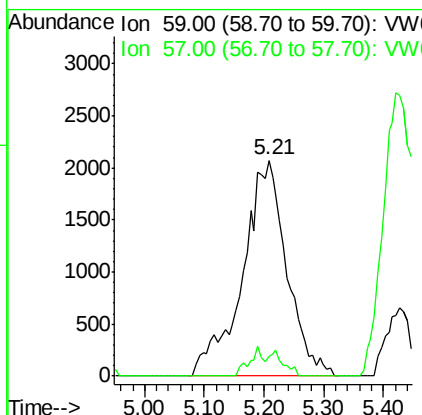
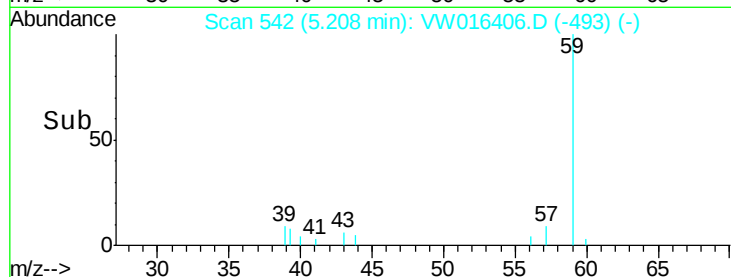
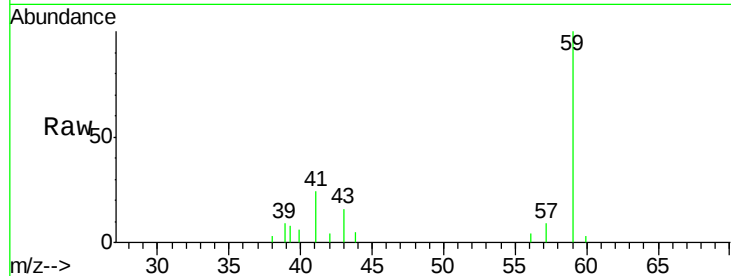
#11
Tert butyl alcohol
Concen: 92.766 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampled :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.1	8.2	12.4#

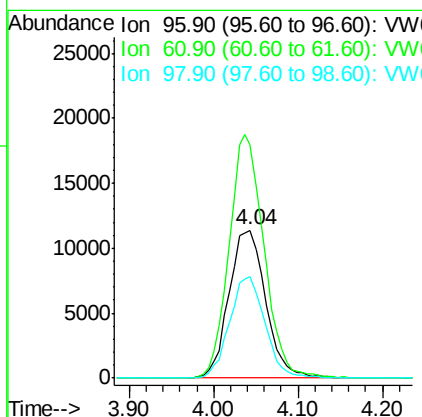
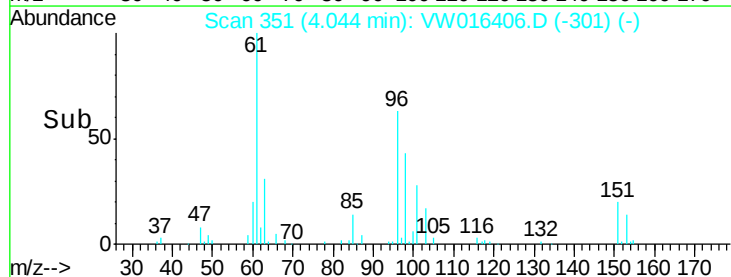
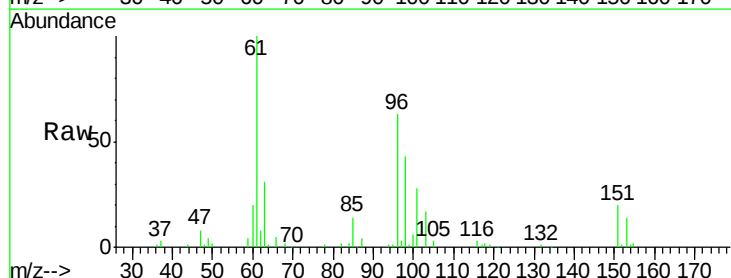
Manual Integrations
APPROVED

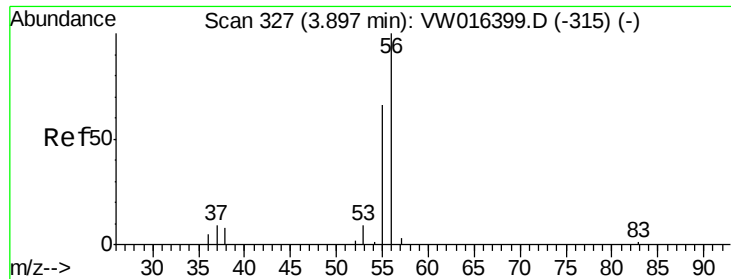
MMDadoda
9/1/2020 12:40:16 PM



#12
1,1-Dichloroethene
Concen: 20.060 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.8	119.0	178.4
98	68.4	50.6	76.0





#13

Acrolein

Concen: 93.709 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampled :

VW0831SBS01

Tot Ion: 56 Resp: 7620

Ion Ratio Lower Upper

56 100

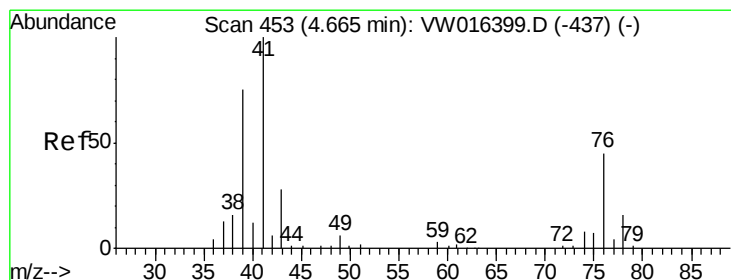
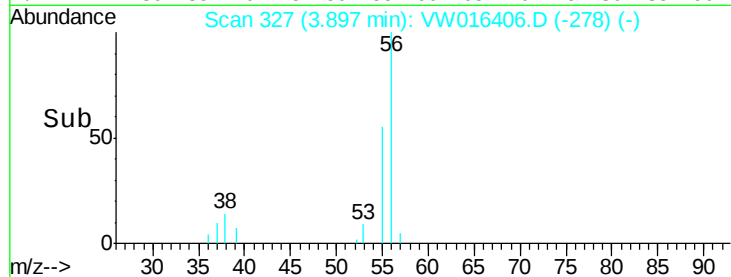
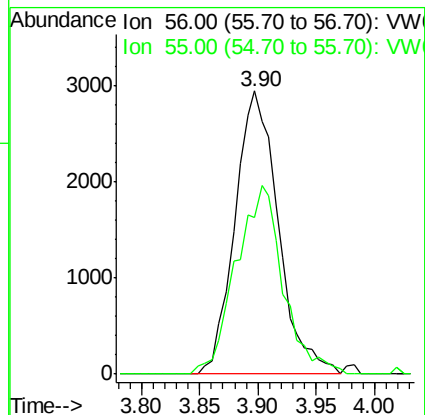
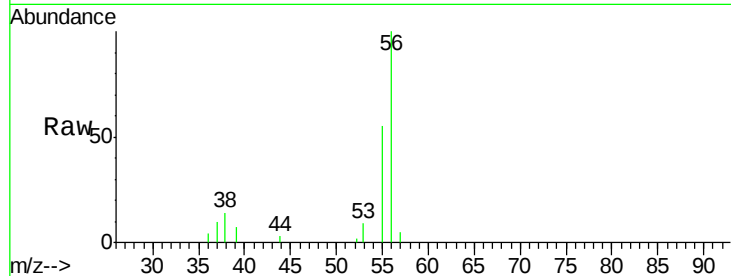
55 72.2 54.8 82.2

Manual Integrations

APPROVED

MMDadoda

9/1/2020 12:40:16 PM



#14

Allyl chloride

Concen: 19.678 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

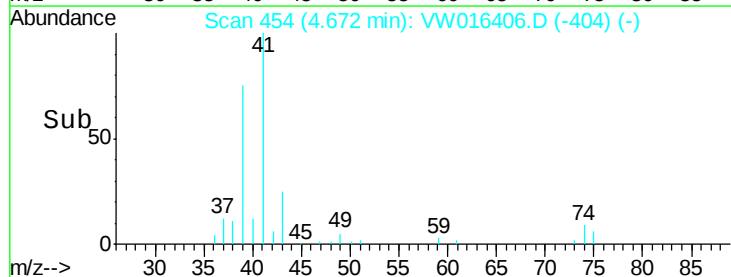
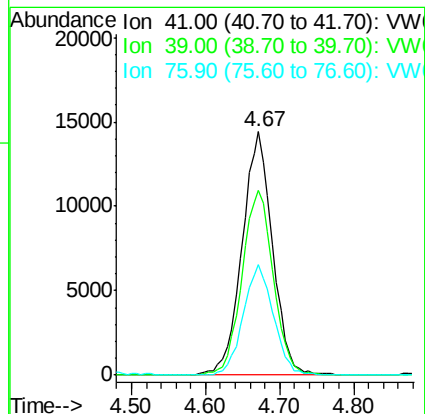
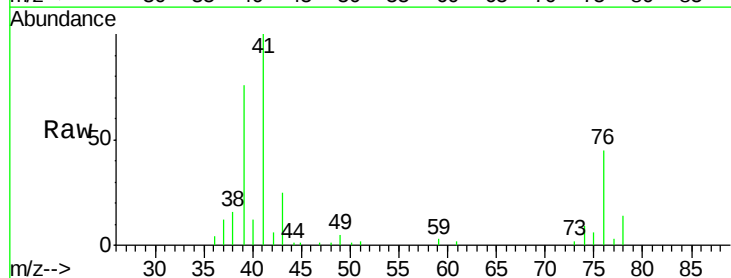
Tgt Ion: 41 Resp: 41276

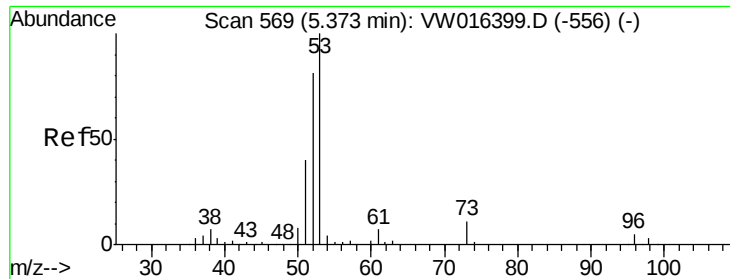
Ion Ratio Lower Upper

41 100

39 77.9 60.2 90.2

76 44.7 35.7 53.5





#15

Acrylonitrile

Concen: 94.966 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

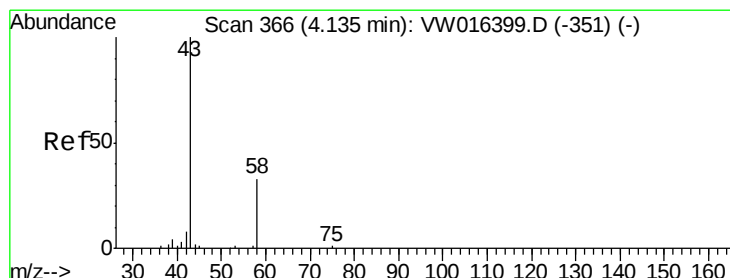
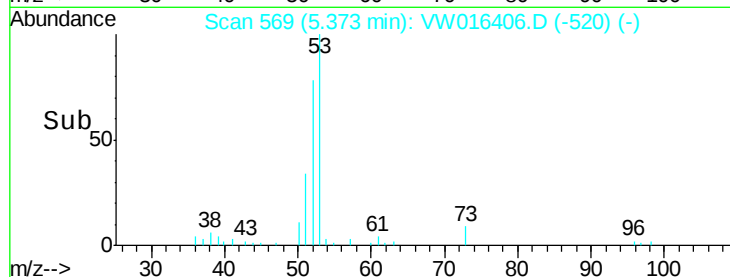
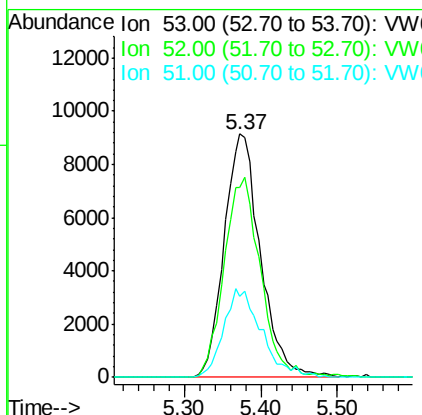
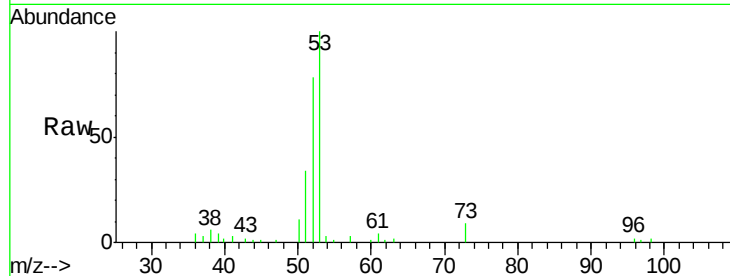
ClientSampleId :

VW0831SBS01

Tot Ion:	53	Resp:	29984
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.1	99.1
51	37.9	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM



#16

Acetone

Concen: 92.628 ug/l

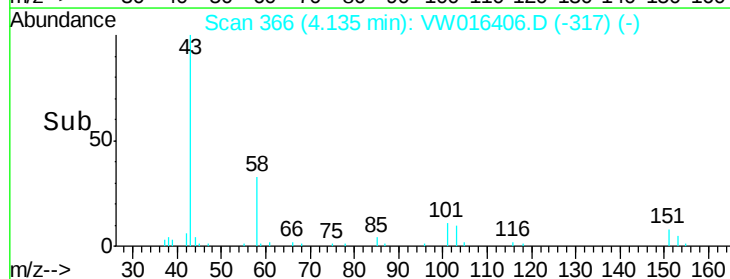
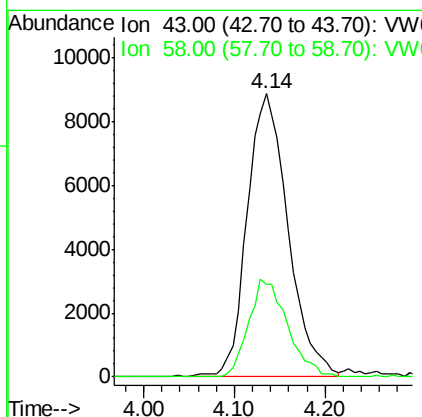
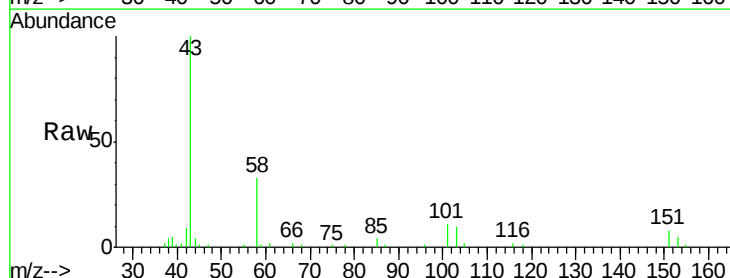
RT: 4.14 min Scan# 366

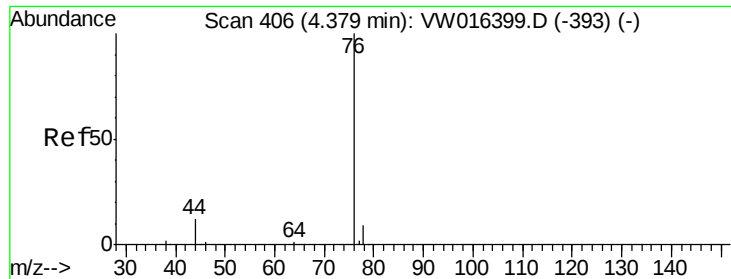
Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion:	43	Resp:	27764
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.6	39.8





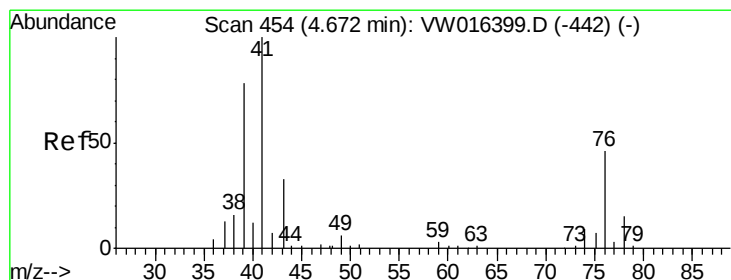
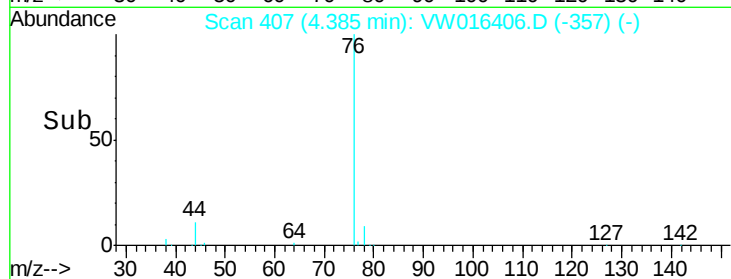
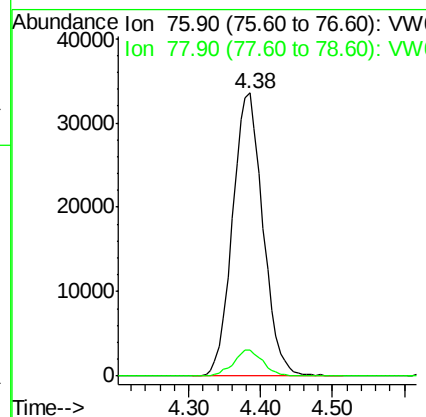
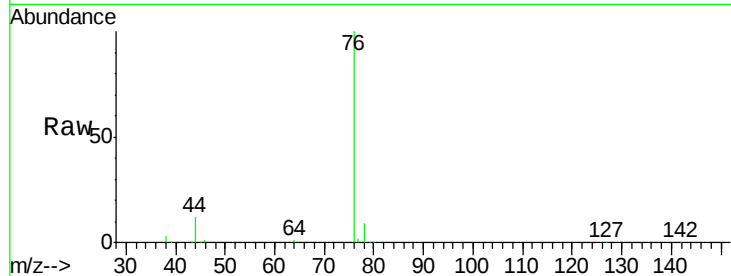
#17
Carbon Disulfide
Concen: 20.925 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

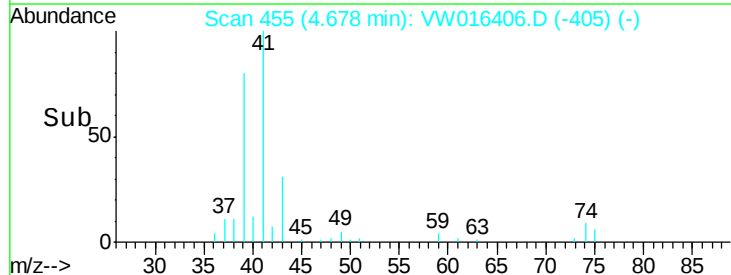
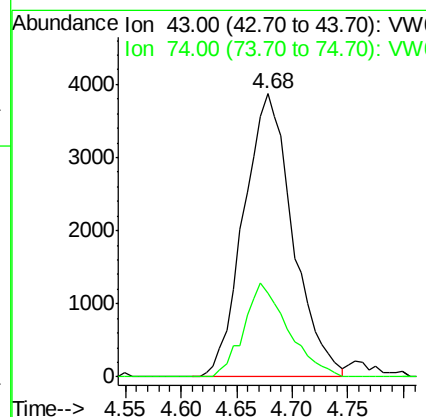
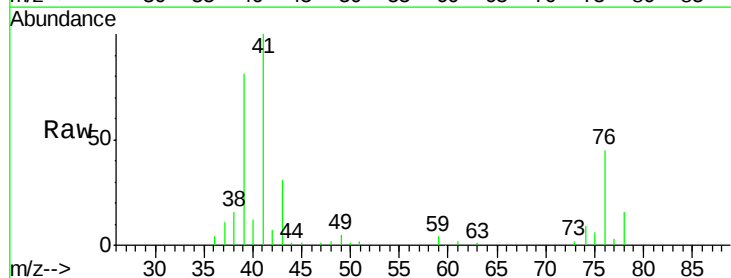
Manual Integrations
APPROVED

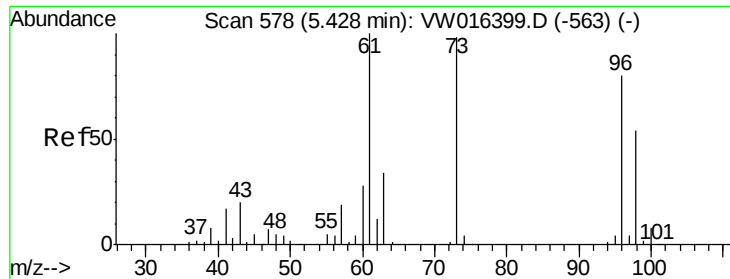
MMDadoda
9/1/2020 12:40:16 PM



#18
Methyl Acetate
Concen: 17.425 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.9	23.2	34.8





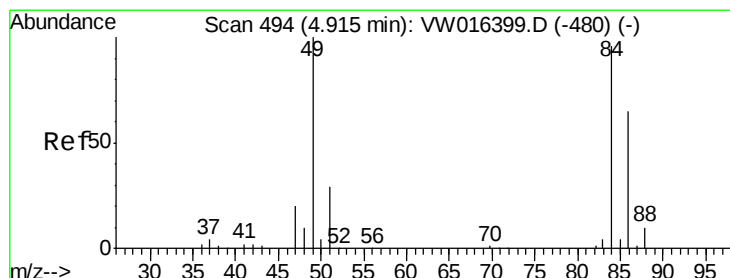
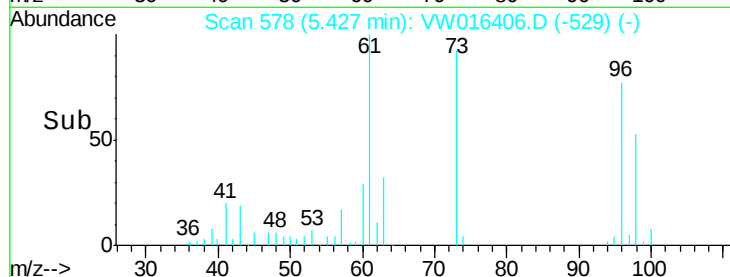
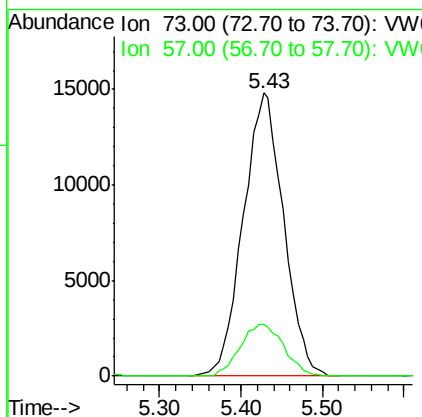
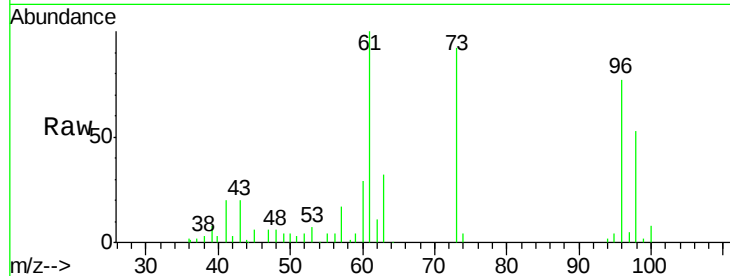
#19
Methyl tert-butyl Ether
Concen: 19.896 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion: 73 Resp: 51009
Ion Ratio Lower Upper
73 100
57 18.2 15.0 22.6

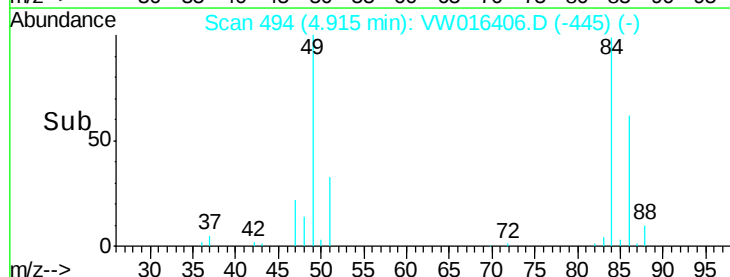
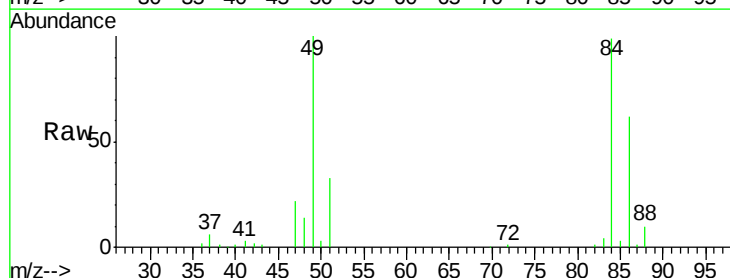
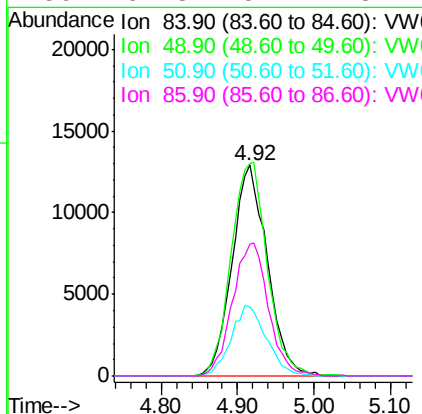
Manual Integrations
APPROVED

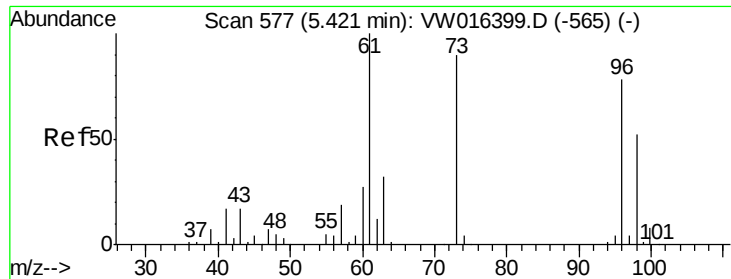
MMDadoda
9/1/2020 12:40:16 PM



#20
Methylene Chloride
Concen: 18.161 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion: 84 Resp: 41148
Ion Ratio Lower Upper
84 100
49 101.0 83.2 124.8
51 33.1 24.4 36.6
86 62.8 54.2 81.2





#21

trans-1,2-Dichloroethene

Concen: 20.380 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

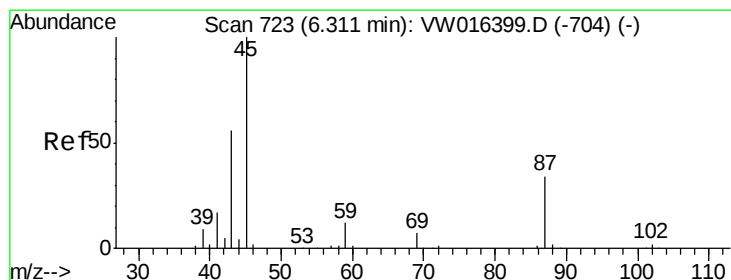
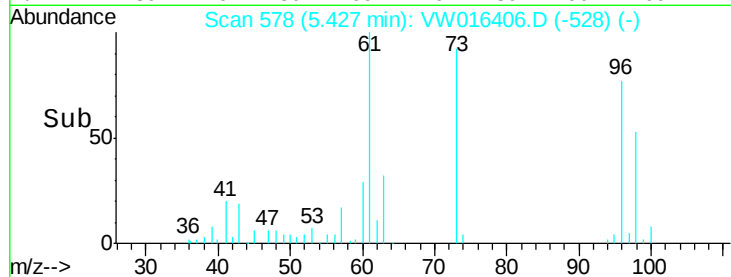
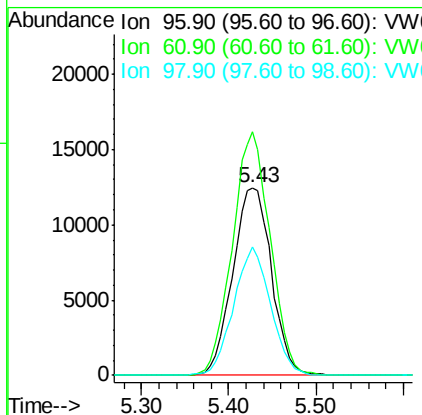
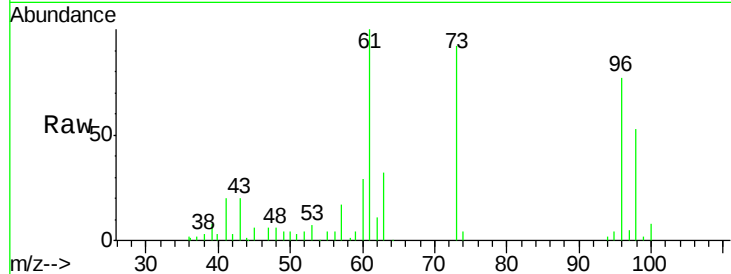
ClientSampleId :

VW0831SBS01

Tot Ion:	96	Resp:	38331
Ion	Ratio	Lower	Upper
96	100		
61	129.7	103.0	154.6
98	68.5	53.8	80.6

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM



#22

Diisopropyl ether

Concen: 19.910 ug/l

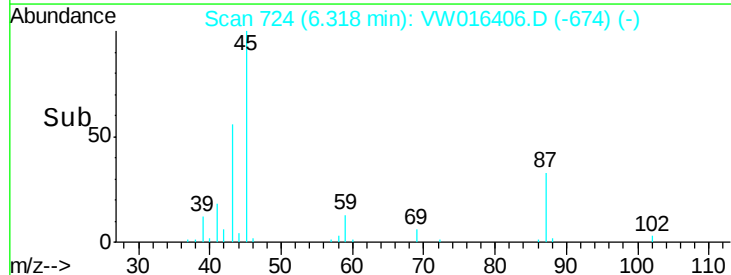
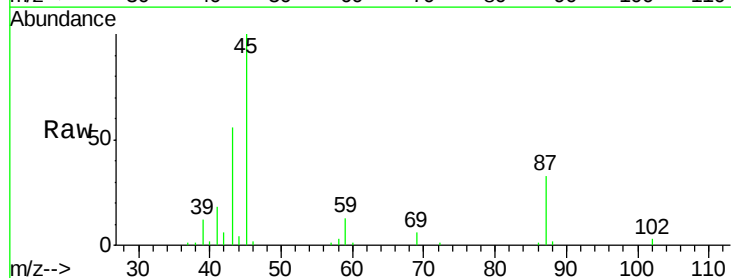
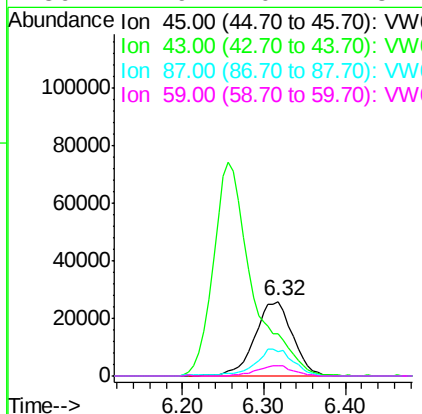
RT: 6.32 min Scan# 724

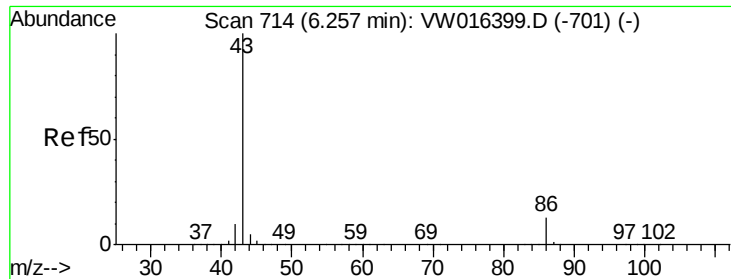
Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion:	45	Resp:	82668
Ion	Ratio	Lower	Upper
45	100		
43	55.4	44.6	67.0
87	33.2	27.5	41.3
59	12.9	10.2	15.2





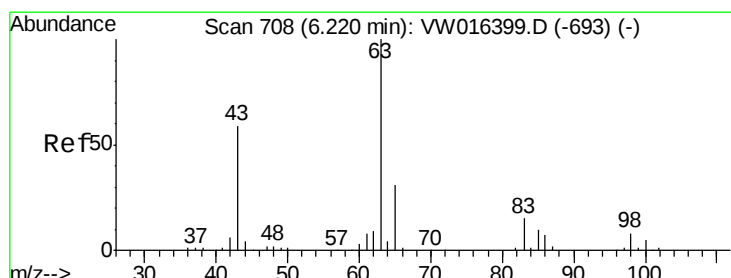
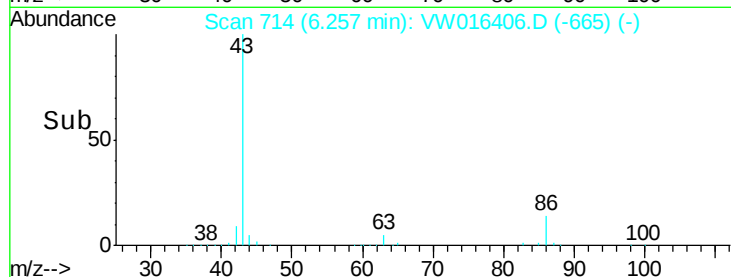
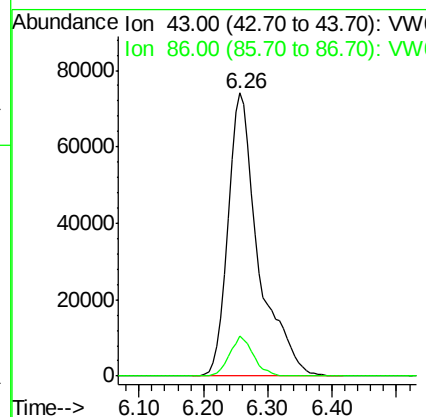
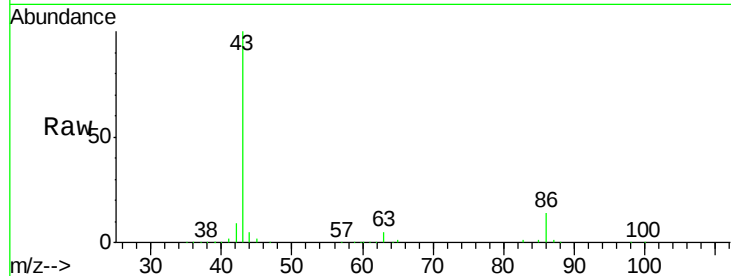
#23
 Vinyl Acetate
 Concen: 96.530 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampled :
 VW0831SBS01

Tot Ion	43	Resp	245624
Ion Ratio	Lower	Upper	
43	100		
86	14.1	10.6	15.8

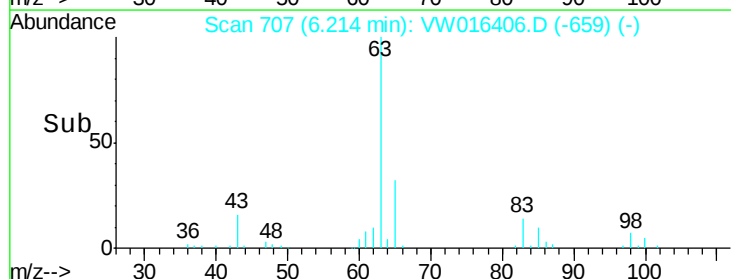
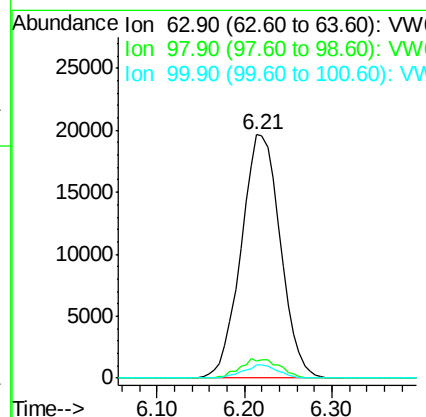
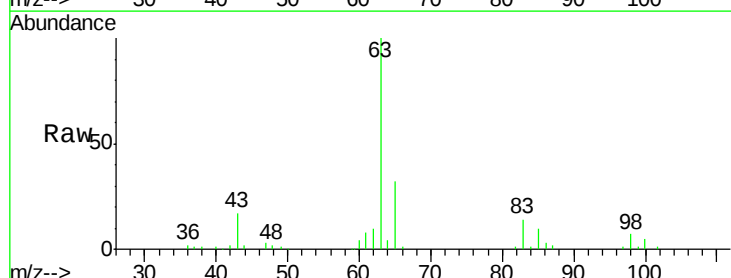
Manual Integrations
 APPROVED

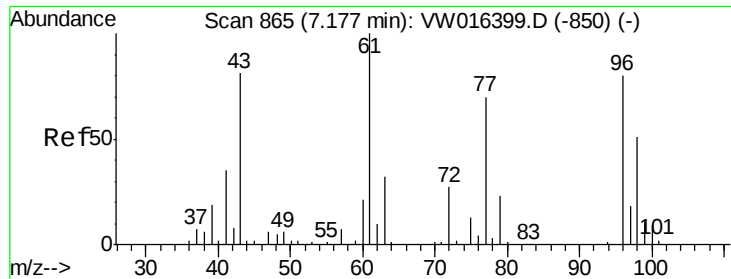
MMDadoda
 9/1/2020 12:40:16 PM



#24
 1,1-Dichloroethane
 Concen: 20.484 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	63	Resp	61319
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.8	11.2
100	5.4	2.5	7.5





#25

2-Butanone

Concen: 91.448 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 43 Resp: 37190

Ion Ratio Lower Upper

43 100

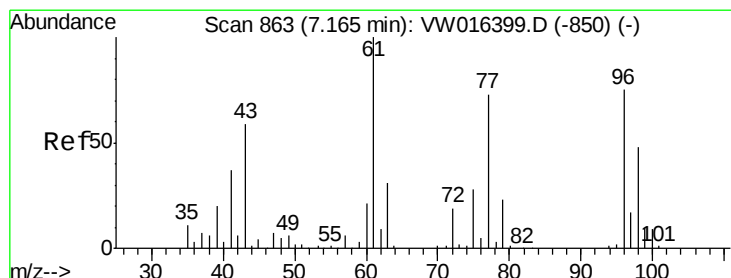
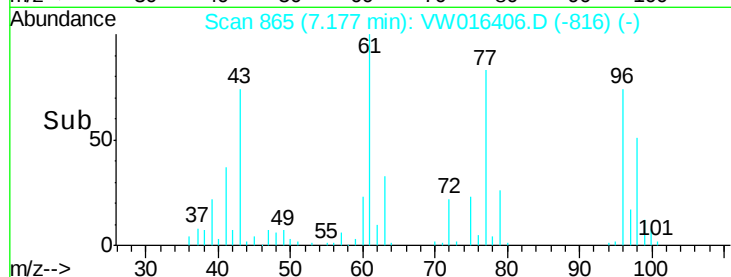
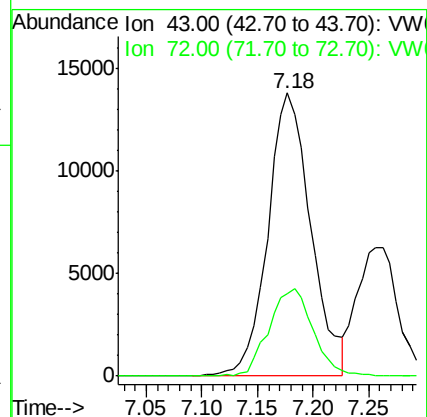
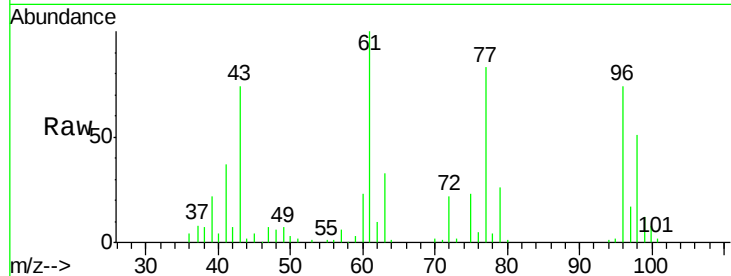
72 29.0 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

9/1/2020 12:40:16 PM



#26

2,2-Dichloropropane

Concen: 21.574 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW016406.D

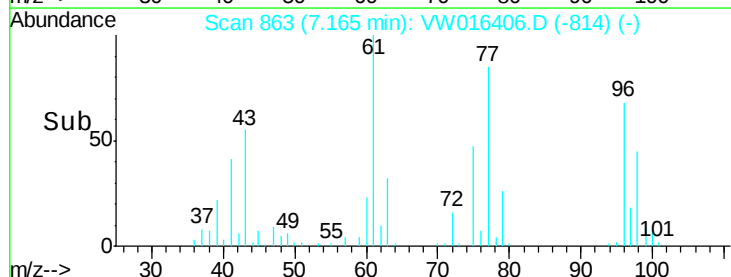
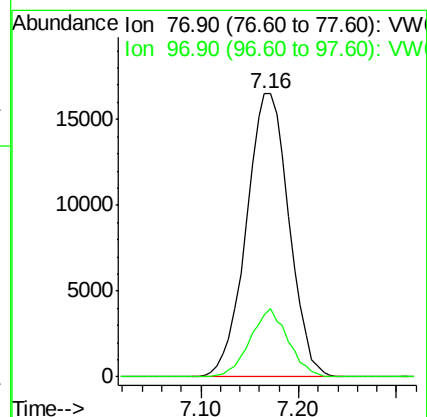
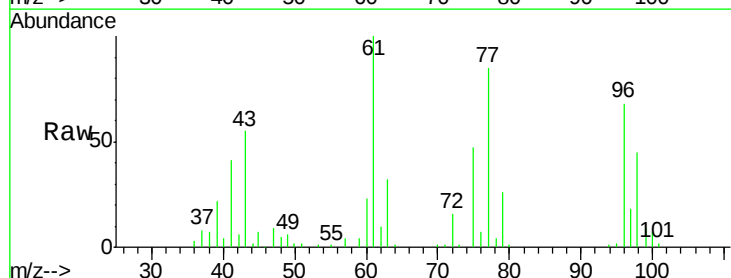
Acq: 31 Aug 2020 13:03

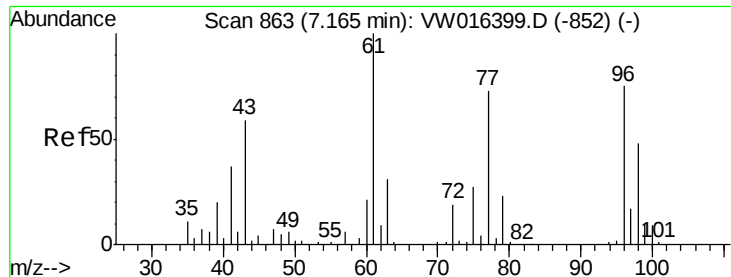
Tgt Ion: 77 Resp: 49880

Ion Ratio Lower Upper

77 100

97 21.5 11.7 35.0





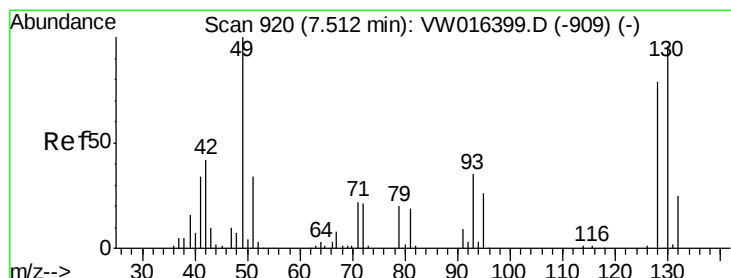
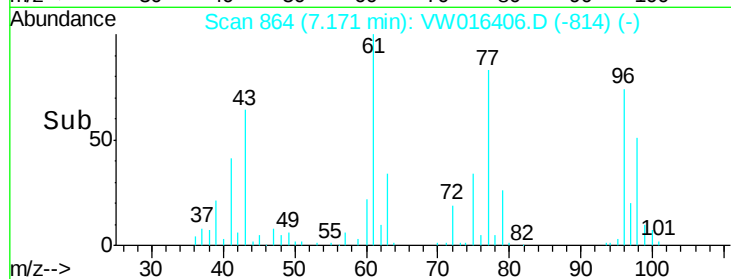
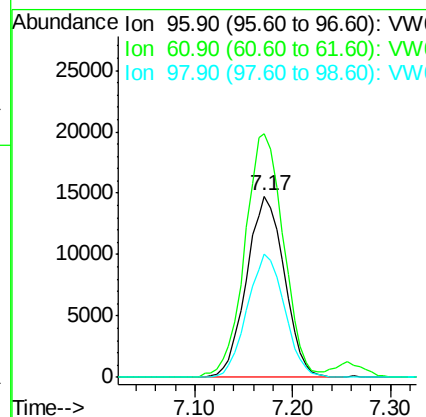
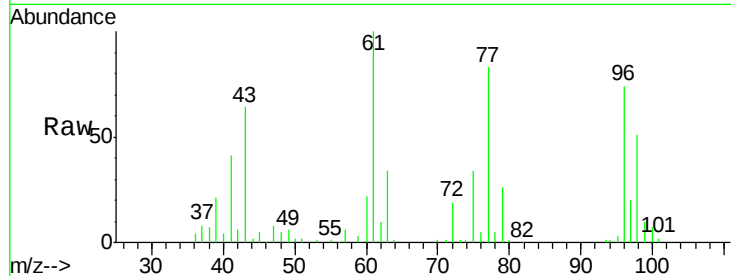
#27
 cis-1,2-Dichloroethene
 Concen: 19.475 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39685		
61	136.8		0.0	268.6
98	67.0		0.0	130.0

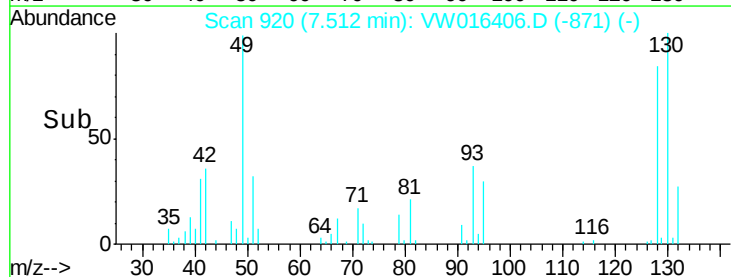
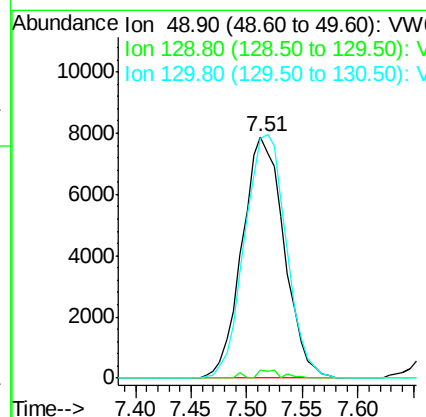
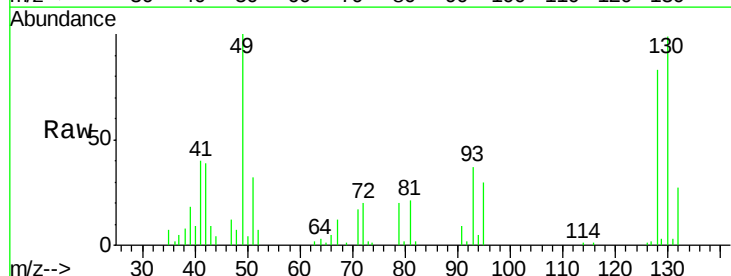
Manual Integrations
 APPROVED

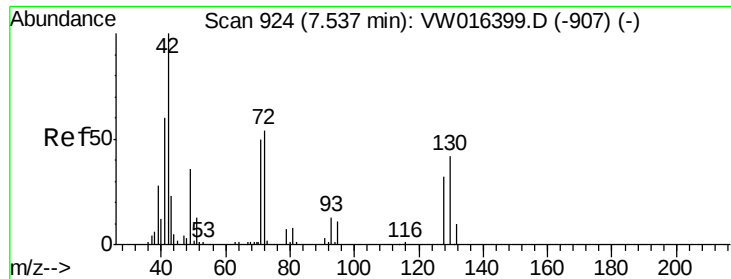
MMDadoda
 9/1/2020 12:40:16 PM



#28
 Bromochloromethane
 Concen: 18.993 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	20652		
129	1.8		0.0	1.8#
130	100.3		80.8	121.2





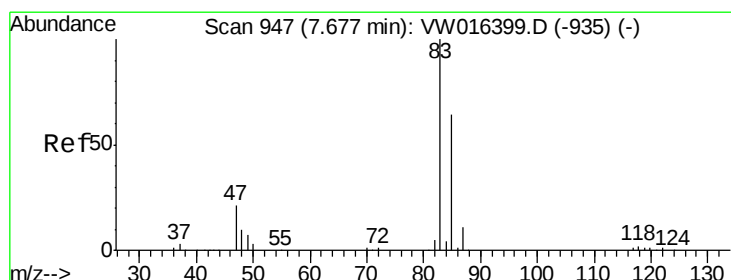
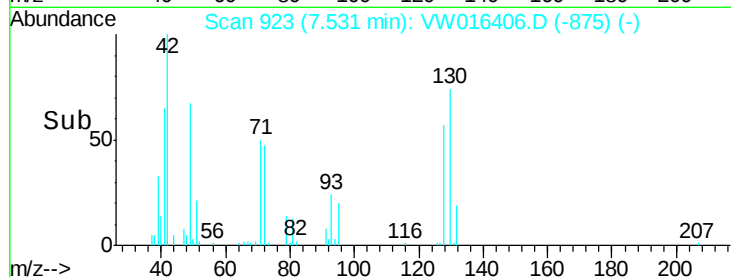
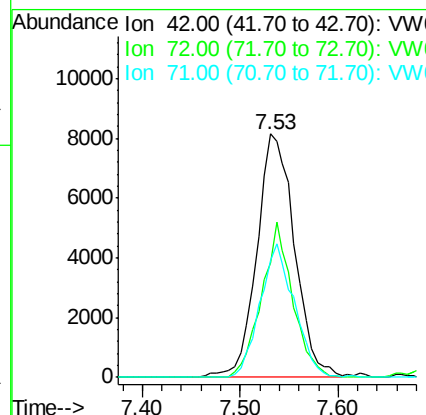
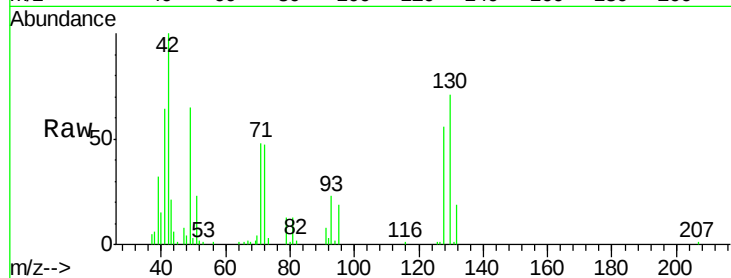
#29
Tetrahydrofuran
Concen: 90.007 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampled :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.9	42.3	63.5
71	50.0	39.5	59.3

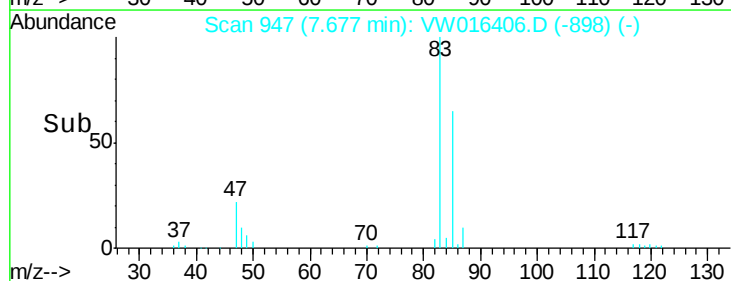
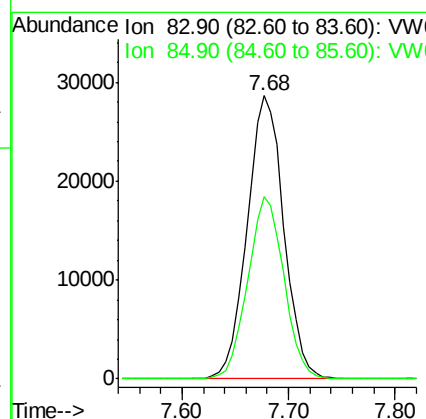
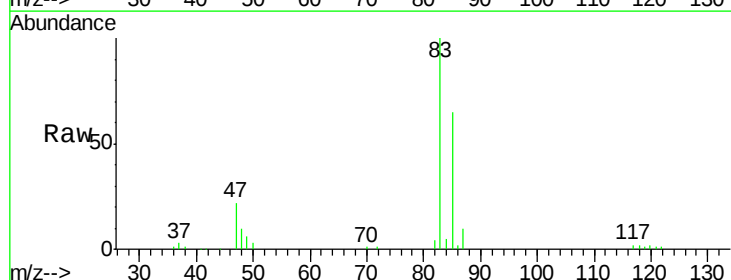
Manual Integrations
APPROVED

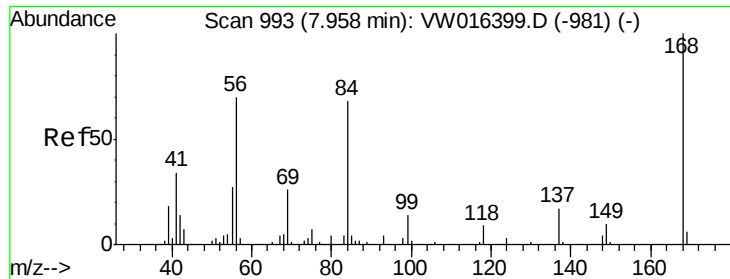
MMDadoda
9/1/2020 12:40:16 PM



#30
Chloroform
Concen: 20.743 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4





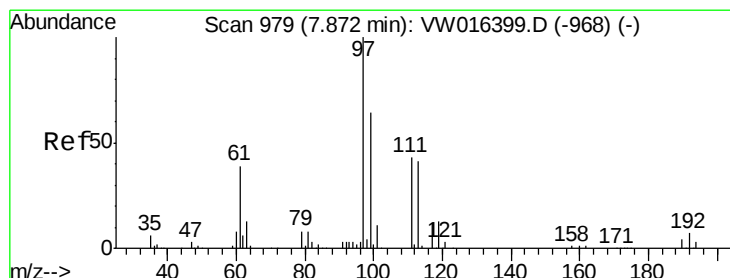
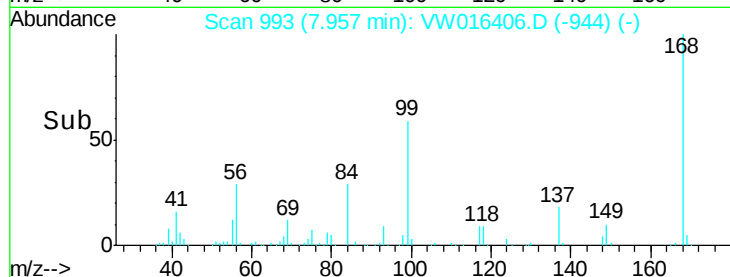
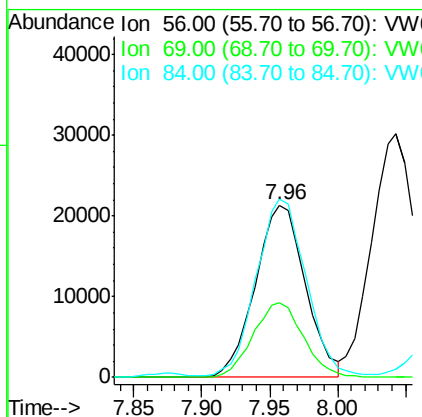
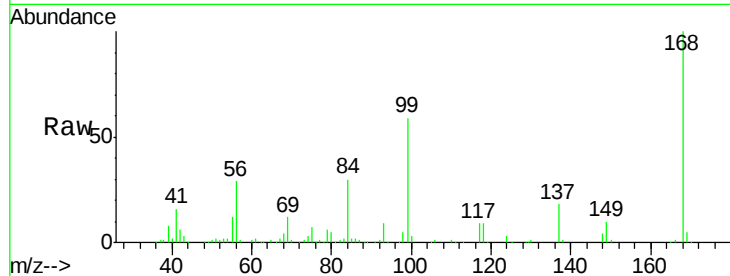
#31
Cyclohexane
Concen: 20.012 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	56	Resp	54904
Ion	Ratio	Lower	Upper
56	100		
69	43.3	30.0	45.0
84	102.5	77.4	116.2

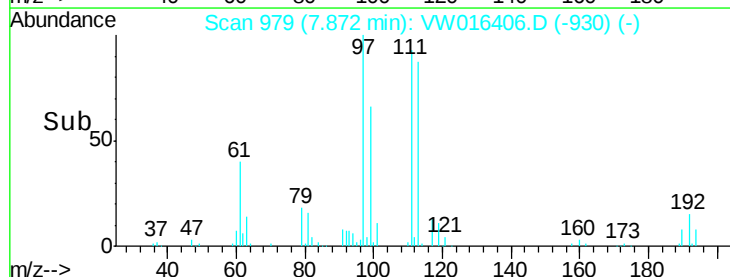
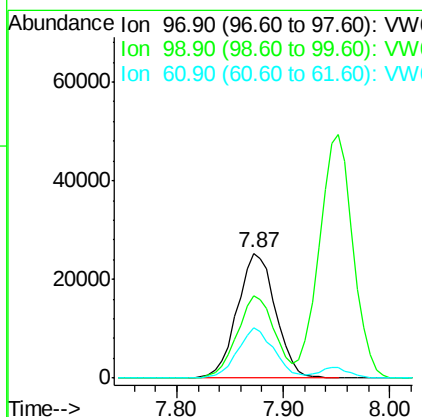
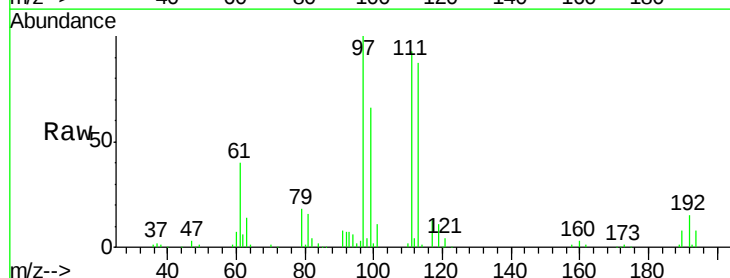
Manual Integrations
APPROVED

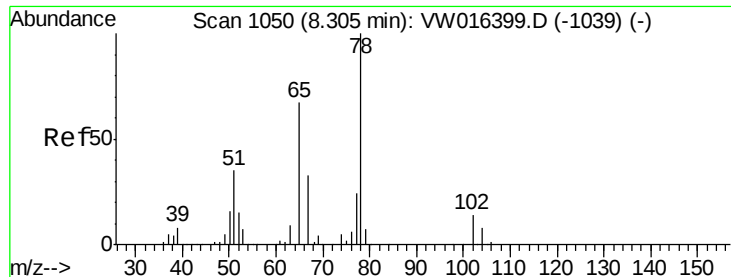
MMDadoda
9/1/2020 12:40:16 PM



#32
1,1,1-Trichloroethane
Concen: 21.301 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	97	Resp	63792
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	38.8	31.0	46.6





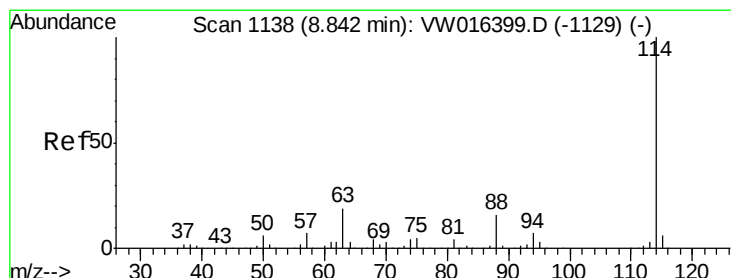
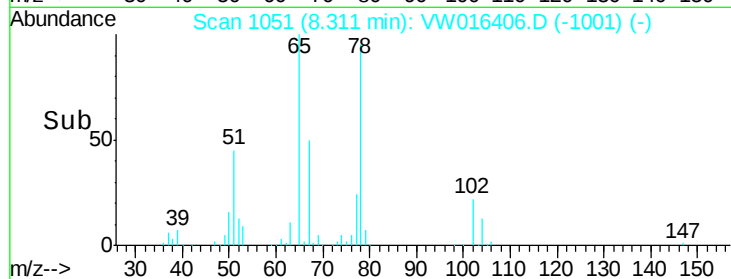
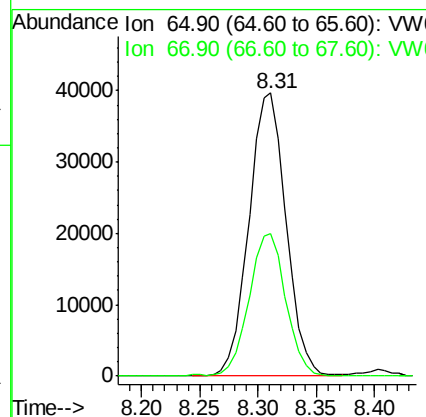
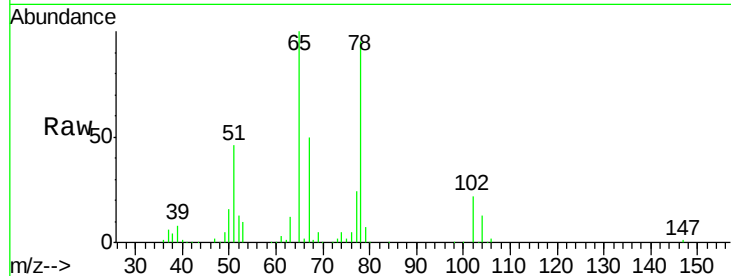
#33
 1,2-Dichloroethane-d4
 Concen: 50.172 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampled :
 VW0831SBS01

Tot Ion	65	Resp	88560
Ion Ratio	100	Lower	Upper
65	100		
67	49.7	0.0	100.2

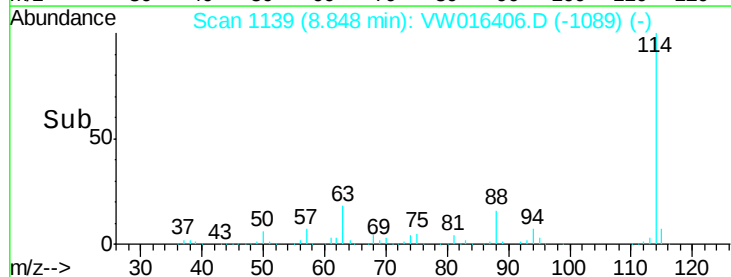
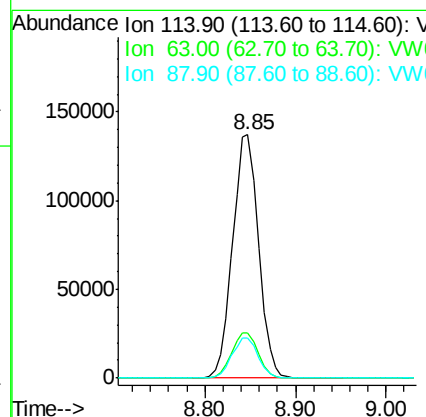
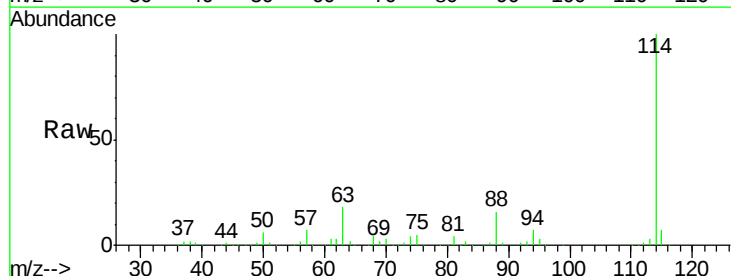
Manual Integrations
 APPROVED

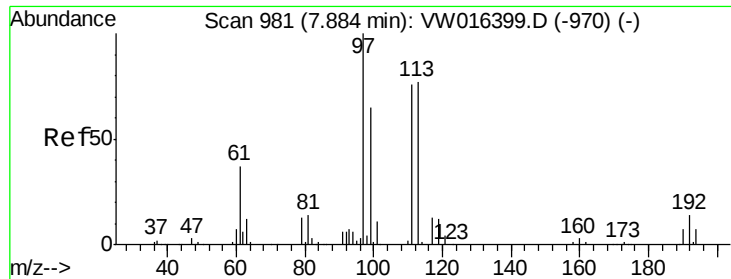
MMDadoda
 9/1/2020 12:40:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	114	Resp	272722
Ion Ratio	100	Lower	Upper
114	100		
63	18.4	0.0	37.8
88	16.4	0.0	31.2





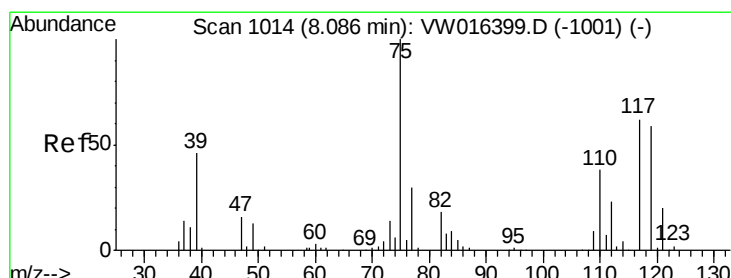
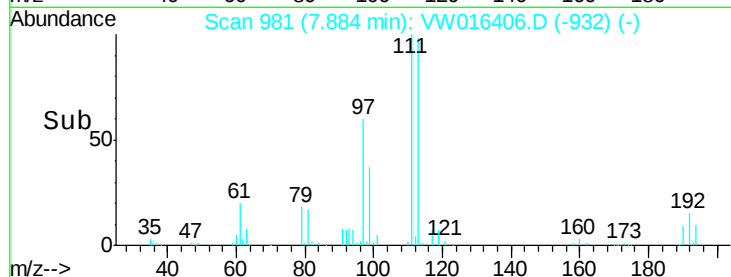
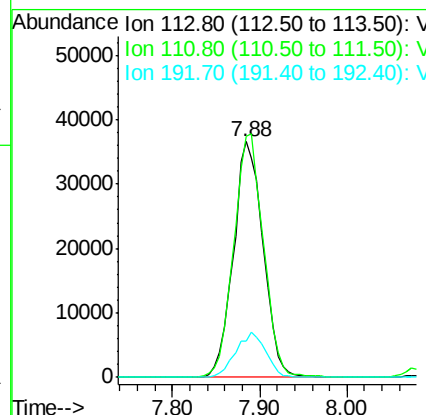
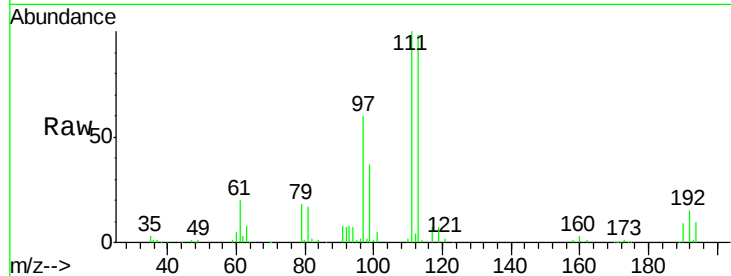
#35
 Dibromofluoromethane
 Concen: 50.210 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	82.1	123.1	
192	19.1	15.5	23.3	

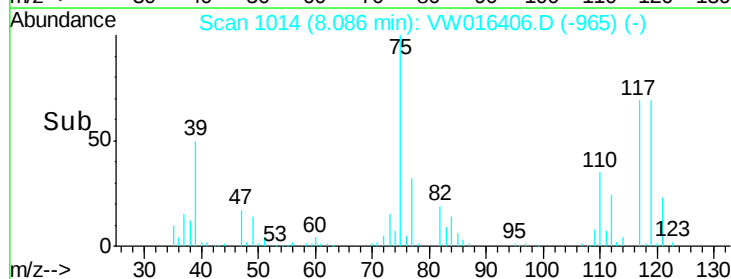
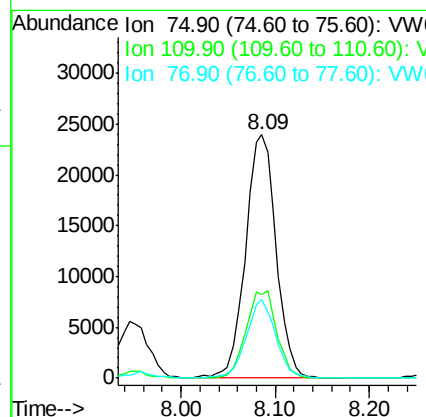
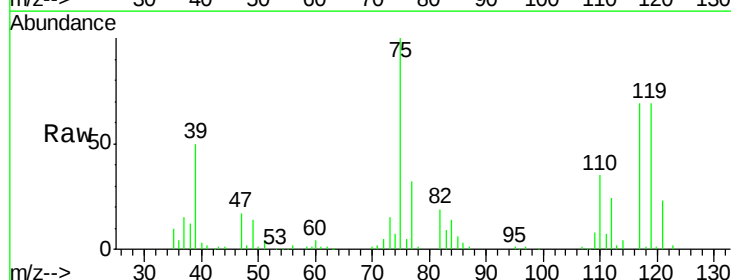
Manual Integrations
 APPROVED

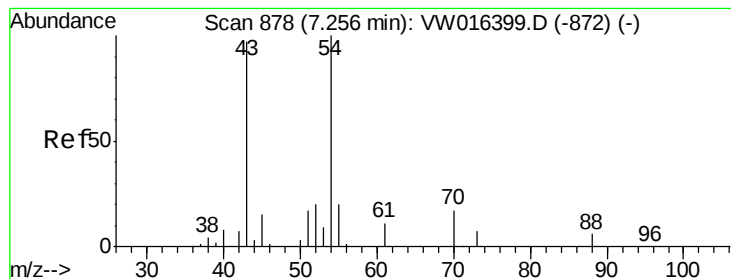
MMDadoda
 9/1/2020 12:40:16 PM



#36
 1,1-Dichloropropene
 Concen: 20.960 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.6	56.0	
77	31.0	25.1	37.7	





#37

Ethyl Acetate

Concen: 19.309 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

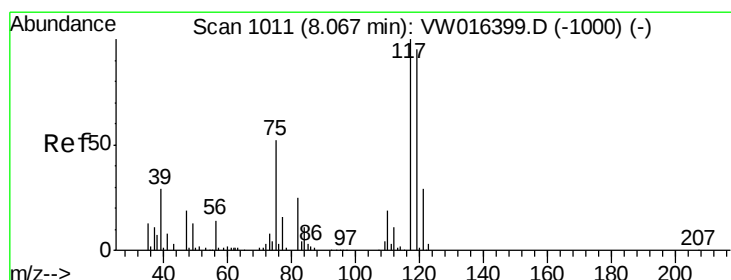
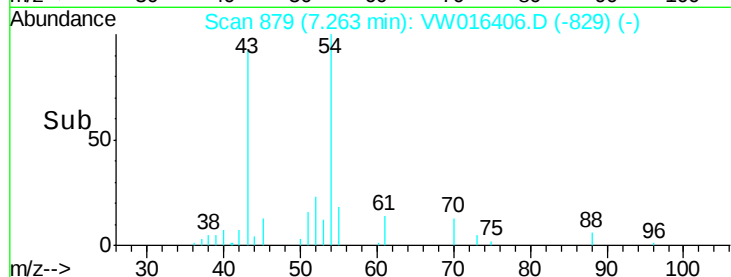
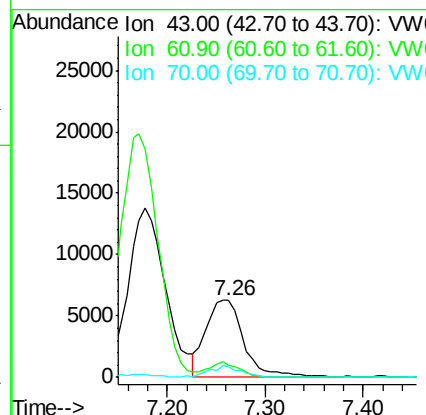
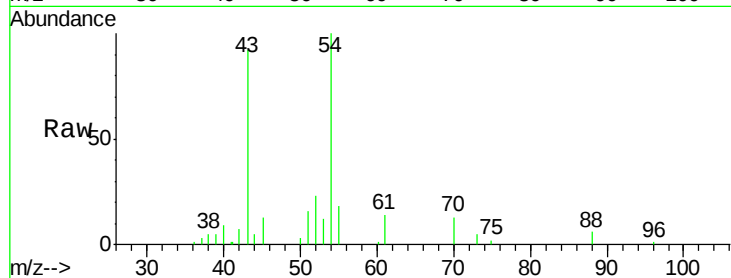
ClientSampled :

VW0831SBS01

Tot Ion:	43	Resp:	16978
Ion	Ratio	Lower	Upper
43	100		
61	16.4	11.5	17.3
70	12.8	10.7	16.1

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM



#38

Carbon Tetrachloride

Concen: 21.548 ug/l

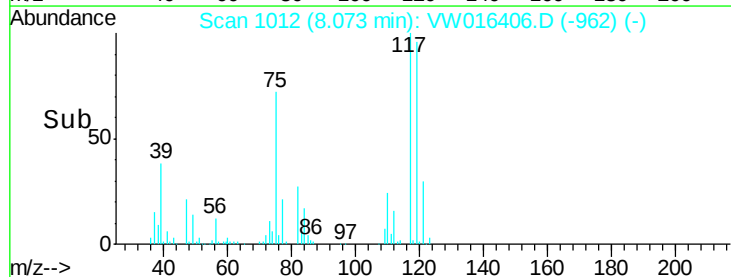
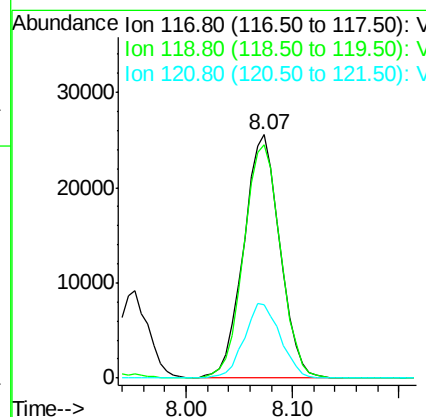
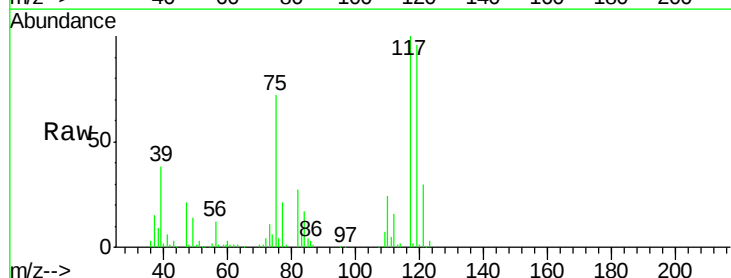
RT: 8.07 min Scan# 1012

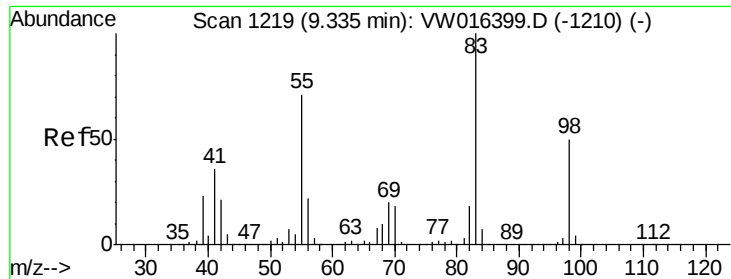
Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion:	117	Resp:	61281
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.3	114.5
121	30.2	23.0	34.6





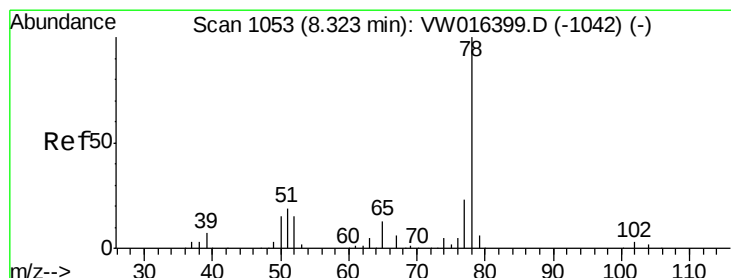
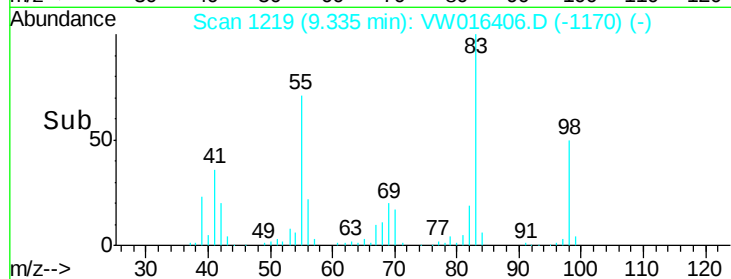
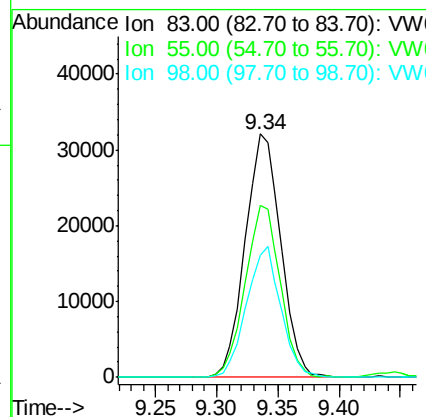
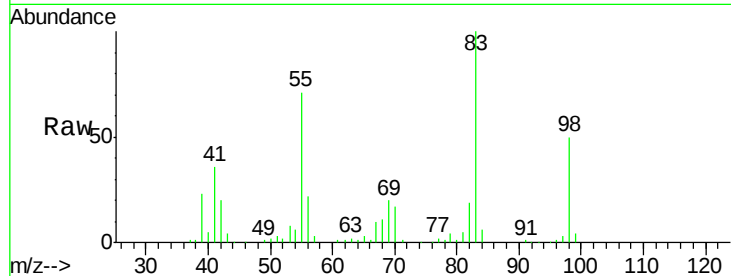
#39
Methvlcvclohexane
Concen: 20.679 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	57.0	85.6
98	50.0	39.9	59.9

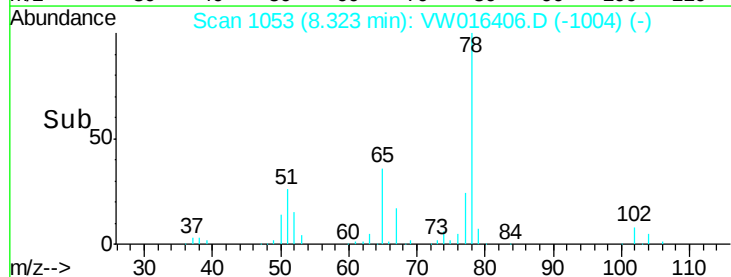
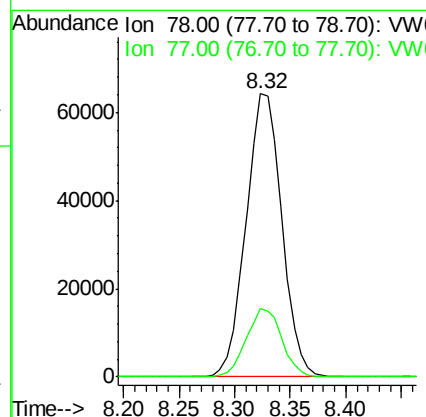
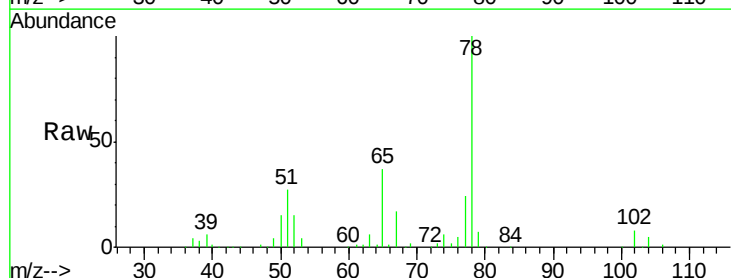
Manual Integrations
APPROVED

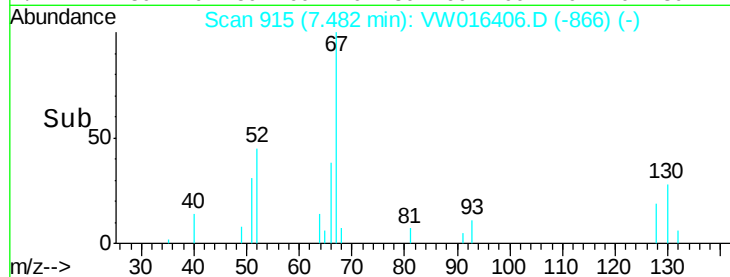
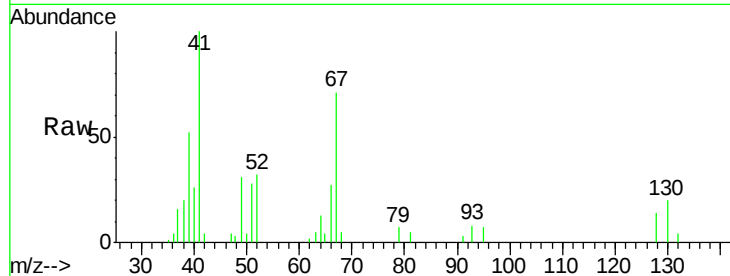
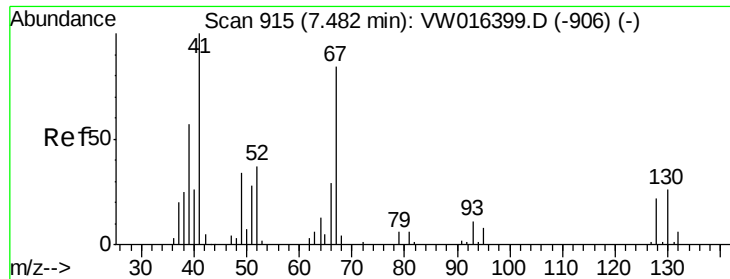
MMDadoda
9/1/2020 12:40:16 PM



#40
Benzene
Concen: 20.697 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	27.8





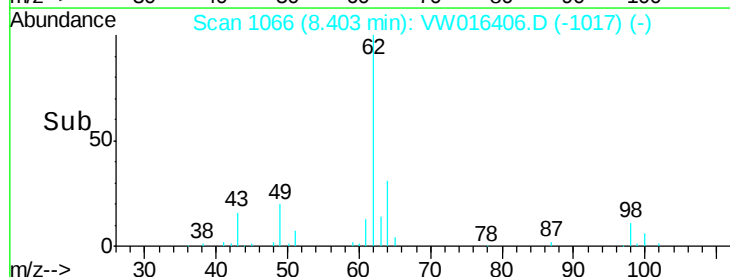
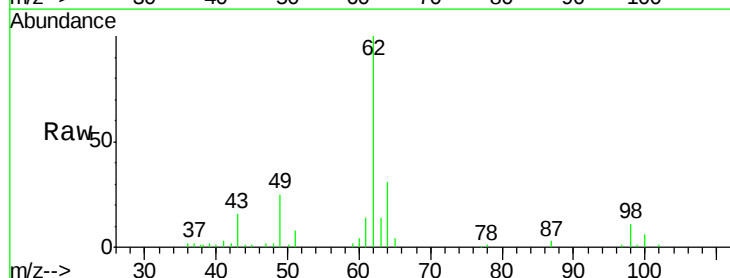
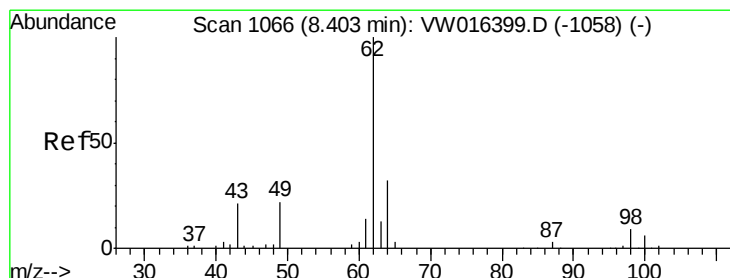
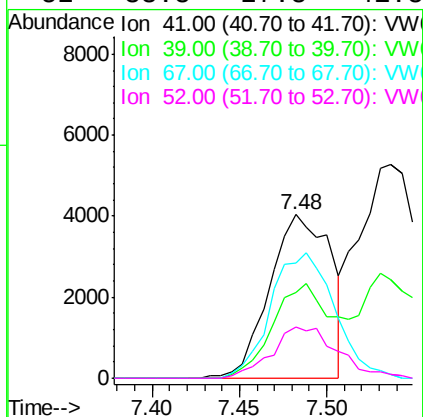
#41
Methacrylonitrile
Concen: 19.476 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tot Ion	41	Resp	9860
Ion	Ratio	Lower	Upper
41	100		
39	58.8	45.4	68.2
67	80.2	65.8	98.6
52	33.8	27.8	41.8

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

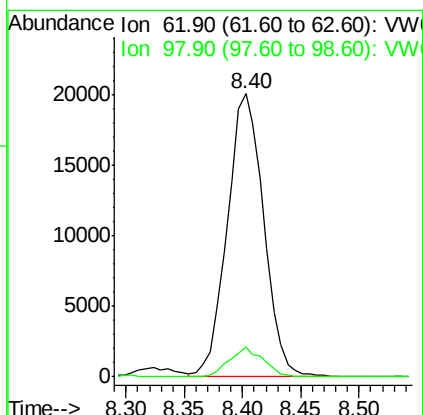
Manual Integrations
APPROVED

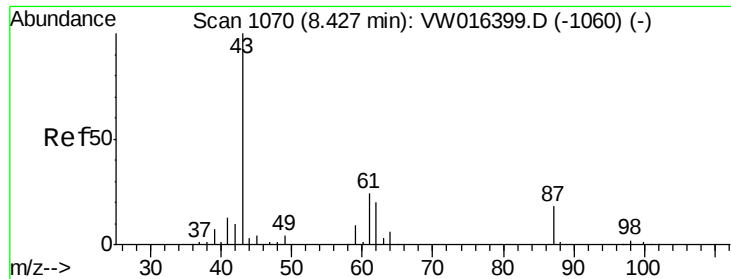
MMDadoda
9/1/2020 12:40:16 PM



#42
1,2-Dichloroethane
Concen: 20.630 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	62	Resp	43724
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

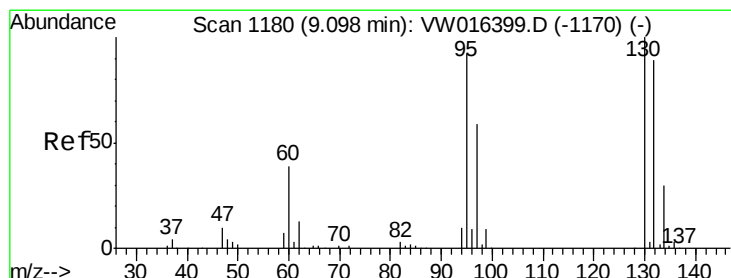
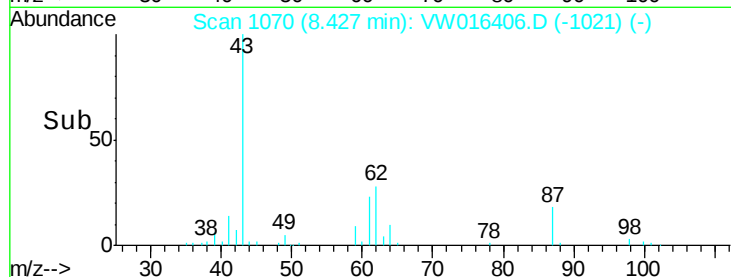
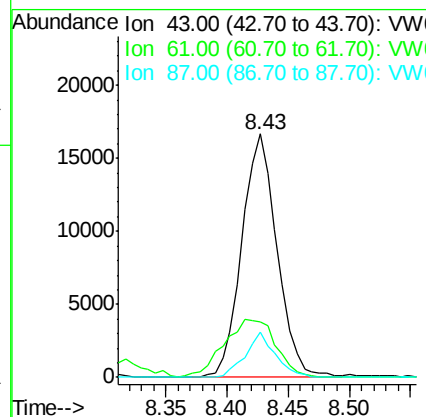
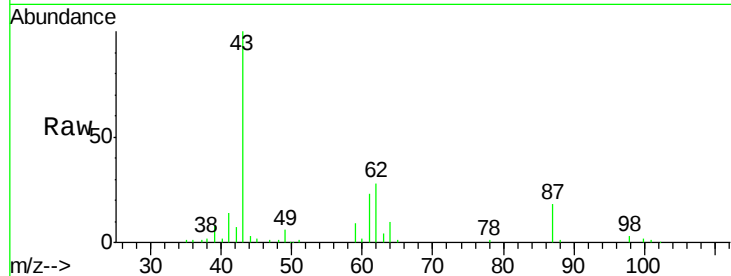
Isopropyl Acetate
 Concen: 18.999 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.1	27.5	41.3
87	15.6	13.5	20.3

Manual Integrations
 APPROVED

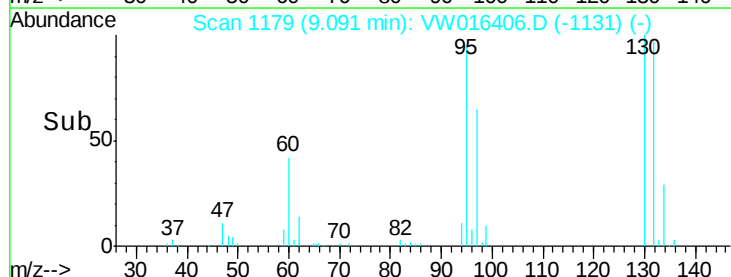
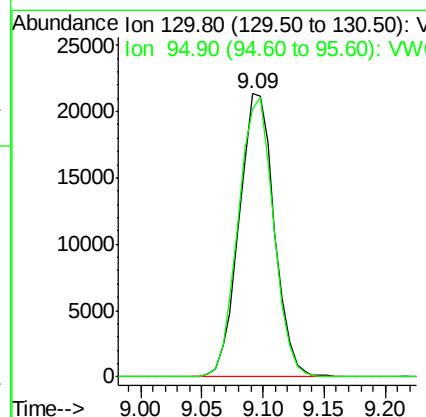
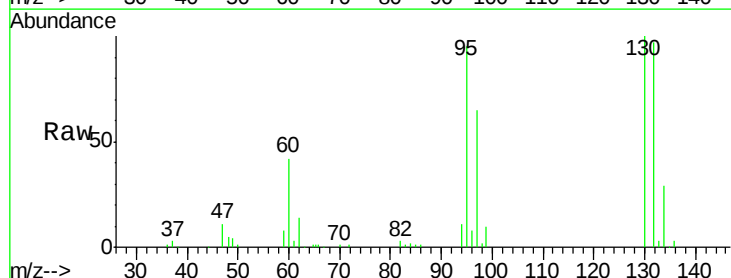
MMDadoda
 9/1/2020 12:40:16 PM

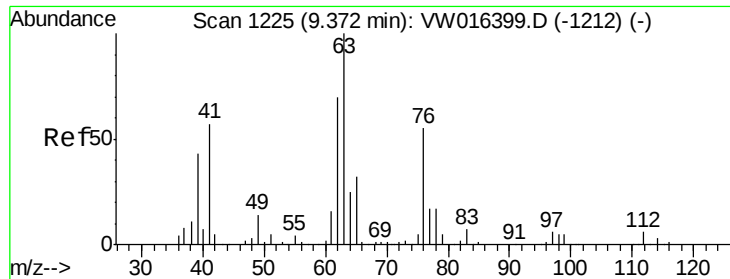


#44

Trichloroethene
 Concen: 20.432 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	183.4





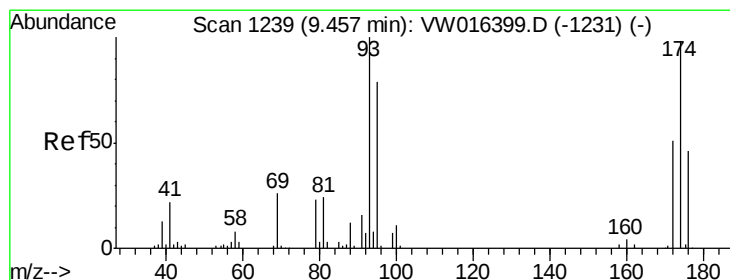
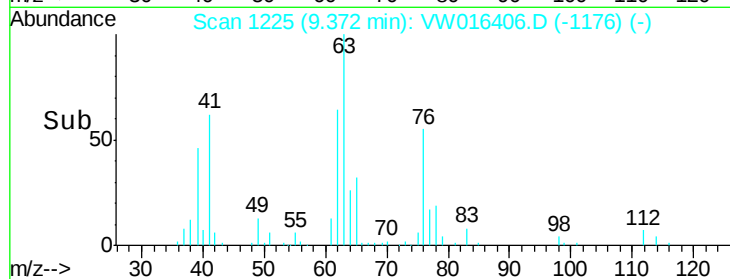
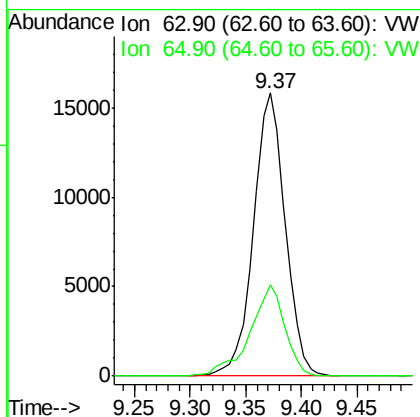
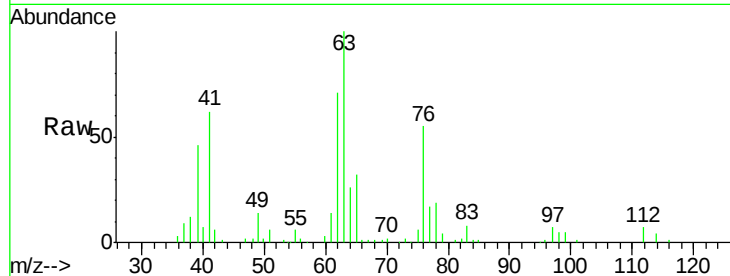
#45
 1,2-Dichloropropane
 Concen: 19.566 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.0

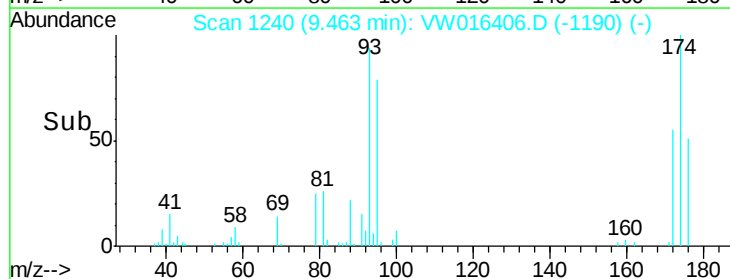
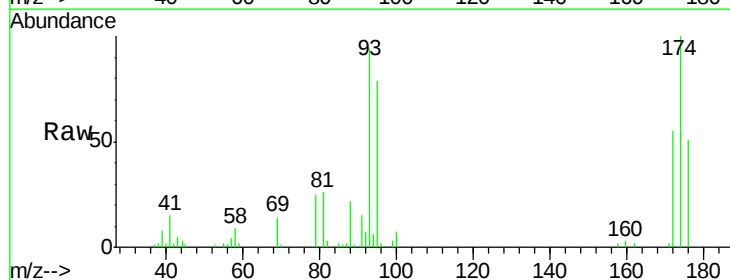
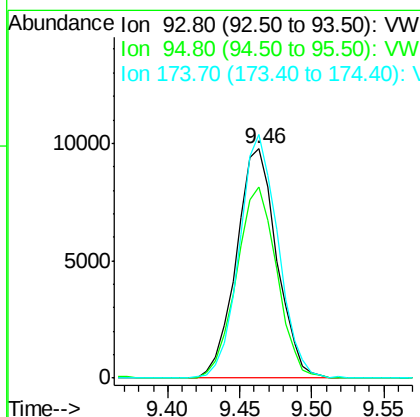
Manual Integrations
 APPROVED

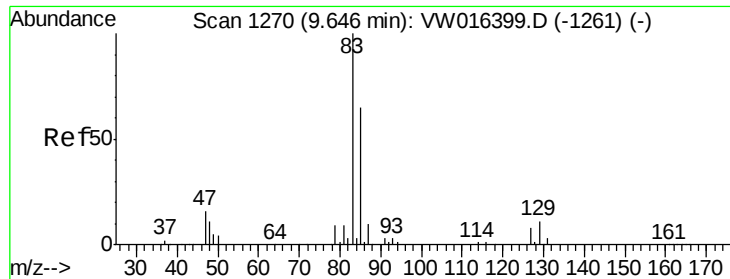
MMDadoda
 9/1/2020 12:40:16 PM



#46
 Dibromomethane
 Concen: 19.875 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.3	97.9
174	101.4	80.1	120.1





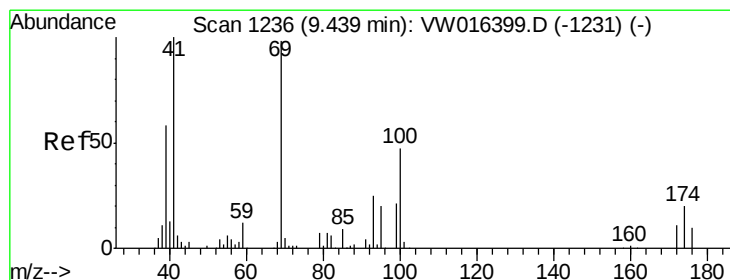
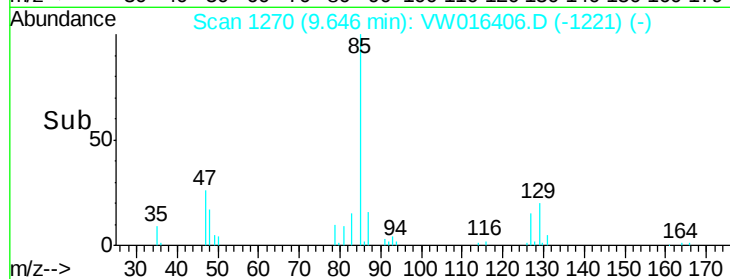
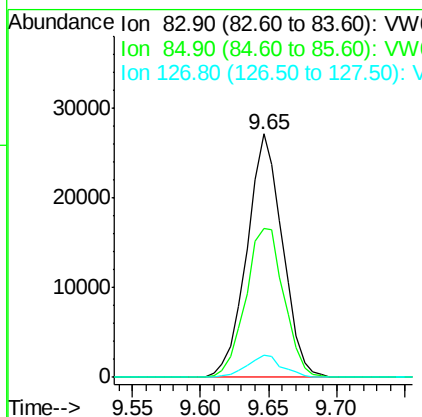
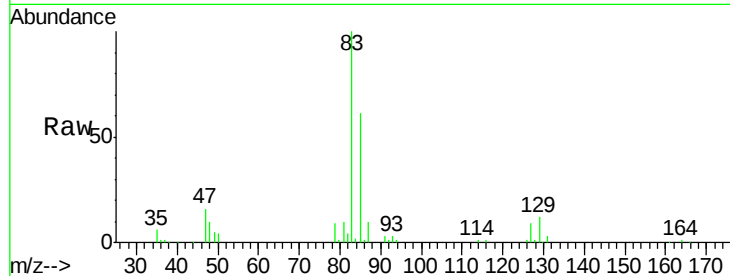
#47
Bromodichloromethane
Concen: 20.123 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	83	Resp	49706
Ion Ratio	100	Lower	Upper
83	100		
85	61.1	52.2	78.2
127	9.3	6.8	10.2

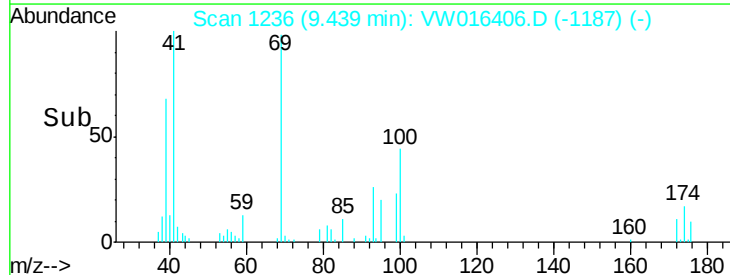
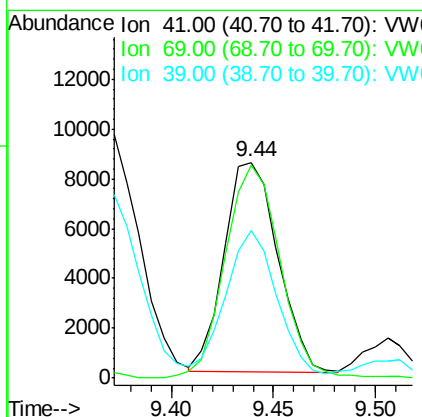
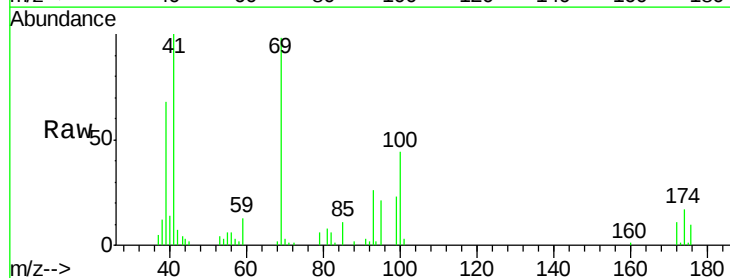
Manual Integrations
APPROVED

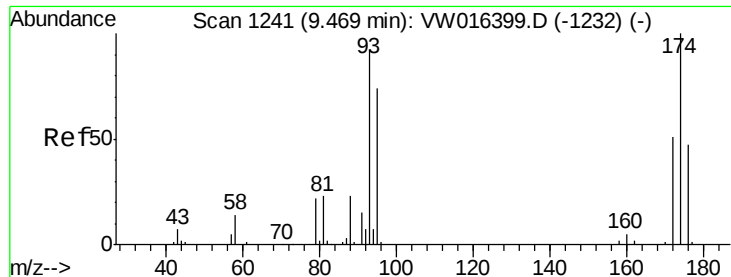
MMDadoda
9/1/2020 12:40:16 PM



#48
Methyl methacrylate
Concen: 18.407 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	41	Resp	15399
Ion Ratio	100	Lower	Upper
41	100		
69	104.5	83.5	125.3
39	64.1	48.7	73.1





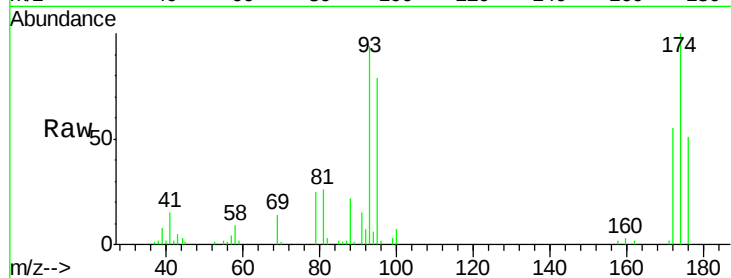
#49
1,4-Dioxane
Concen: 377.439 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

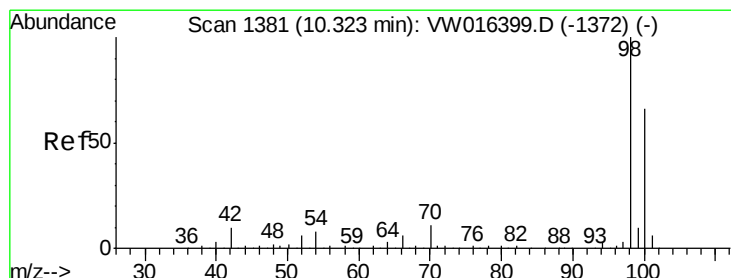
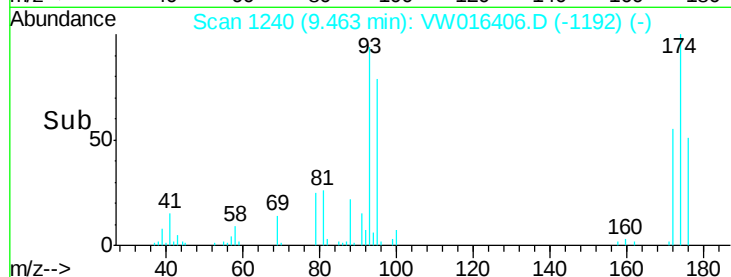
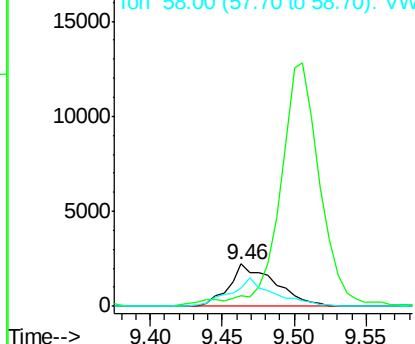
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	64.1	53.5	80.3

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM

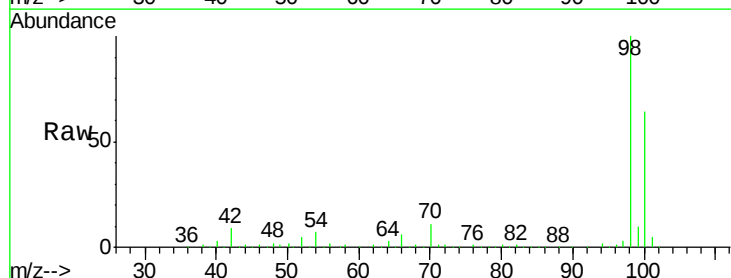


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

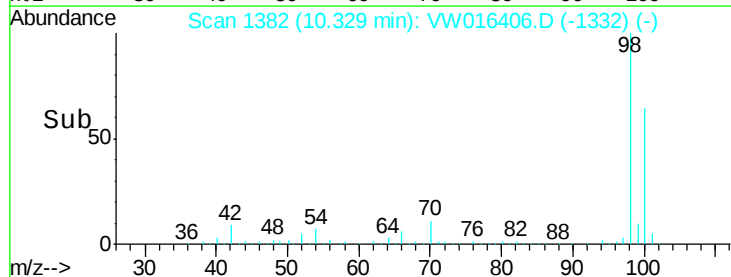
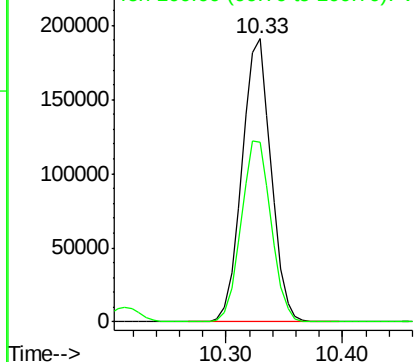


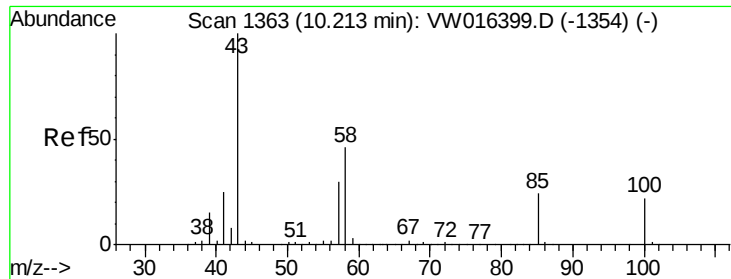
#50
Toluene-d8
Concen: 51.512 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 93.500 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampled :

VW0831SBS01

Tot Ion: 43 Resp: 81122

Ion Ratio Lower Upper

43 100

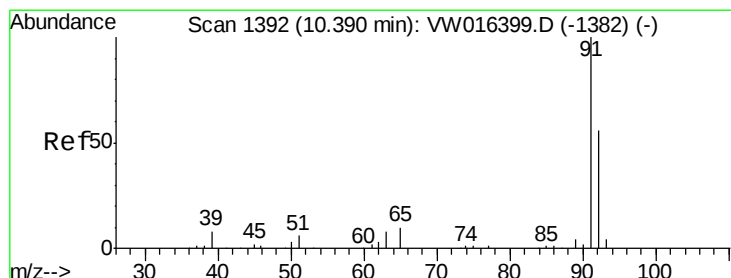
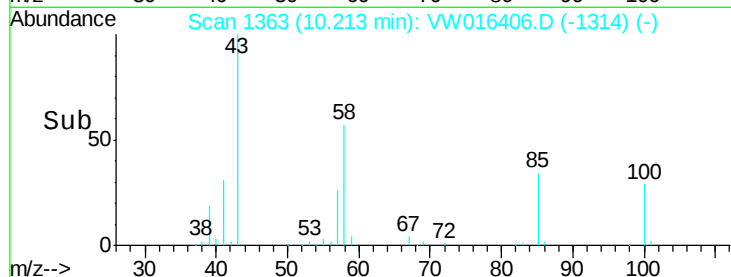
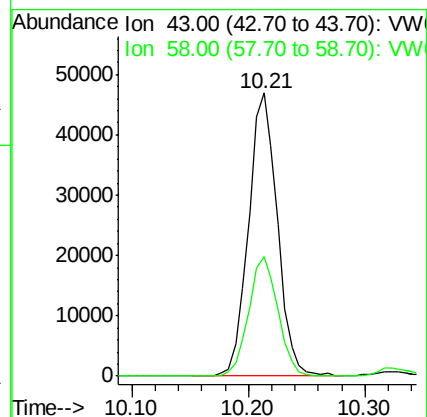
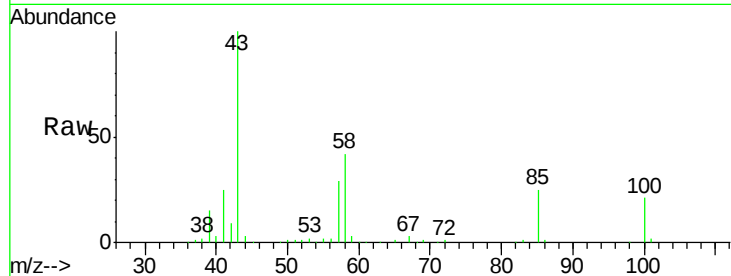
58 42.8 35.4 53.0

Manual Integrations

APPROVED

MMDadoda

9/1/2020 12:40:16 PM



#52

Toluene

Concen: 20.776 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016406.D

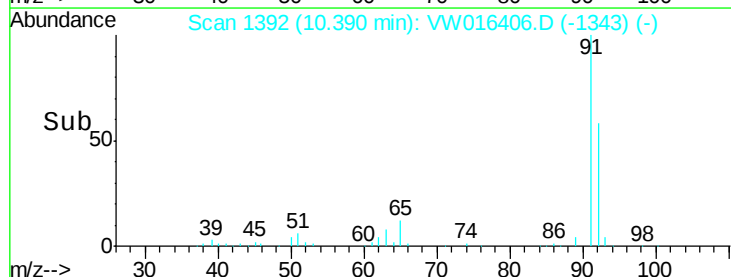
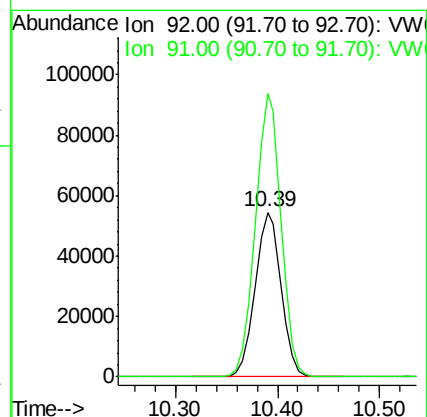
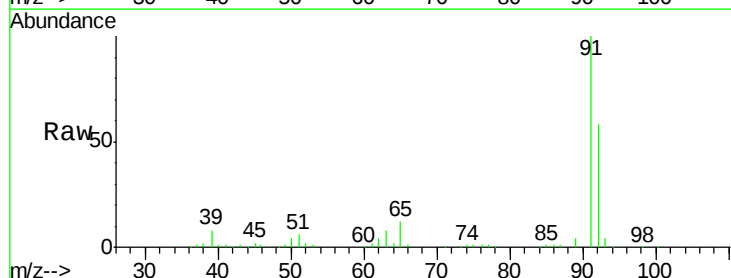
Acq: 31 Aug 2020 13:03

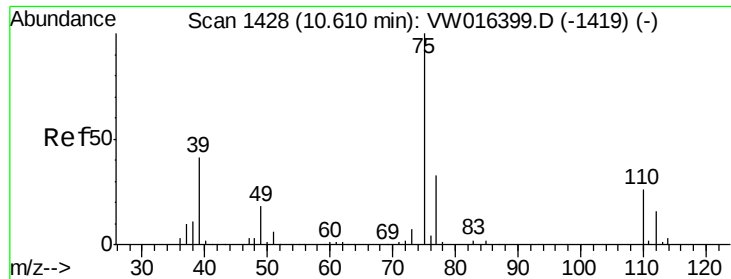
Tgt Ion: 92 Resp: 96793

Ion Ratio Lower Upper

92 100

91 170.4 137.1 205.7





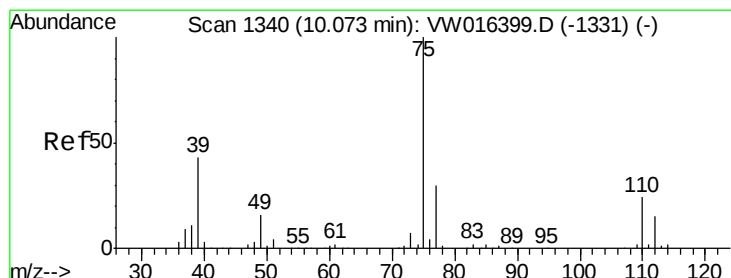
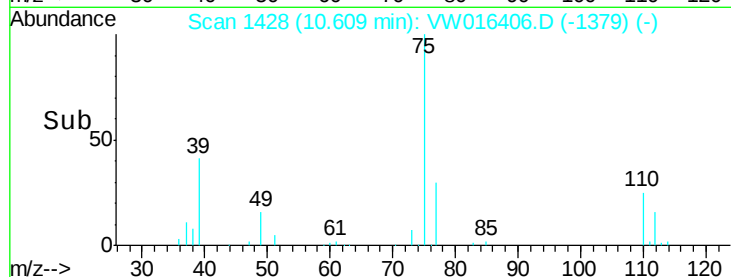
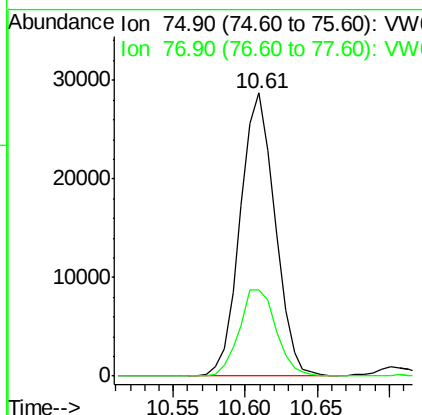
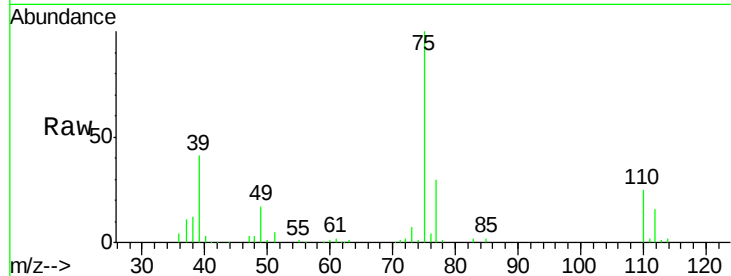
#53
 t-1,3-Dichloropropene
 Concen: 20.065 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.1	39.1

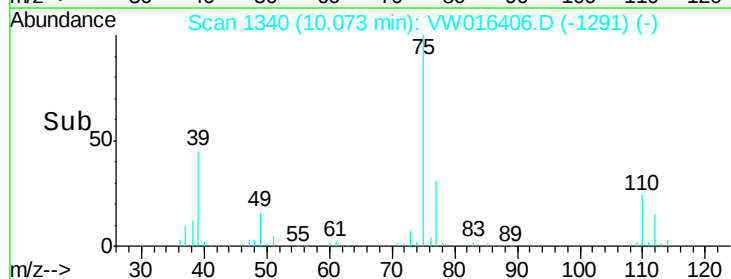
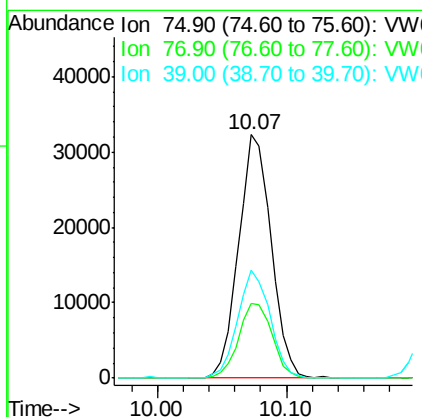
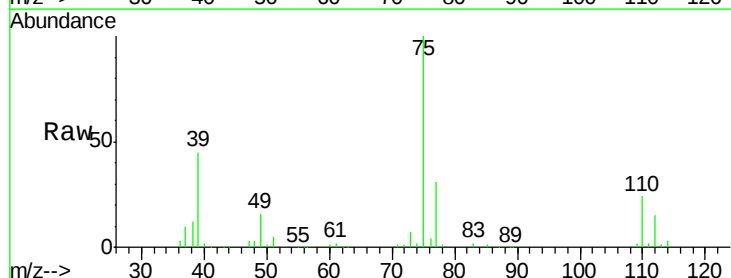
Manual Integrations
 APPROVED

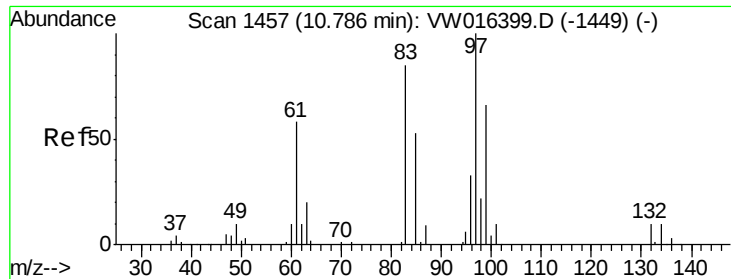
MMDadoda
 9/1/2020 12:40:16 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.241 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.4	36.6
39	44.5	34.6	51.8





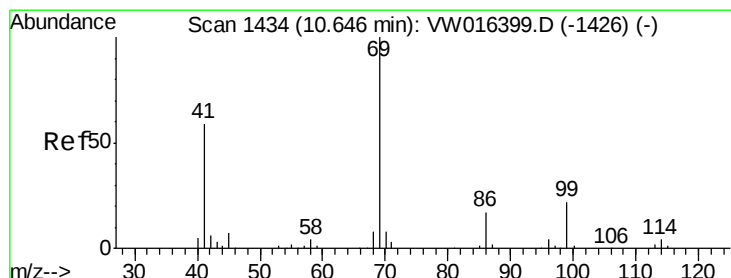
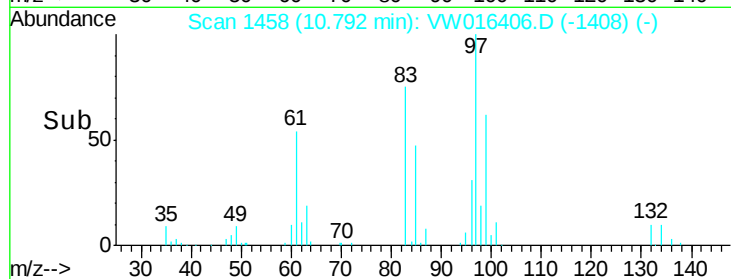
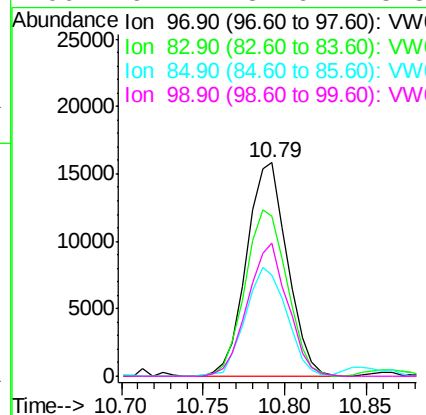
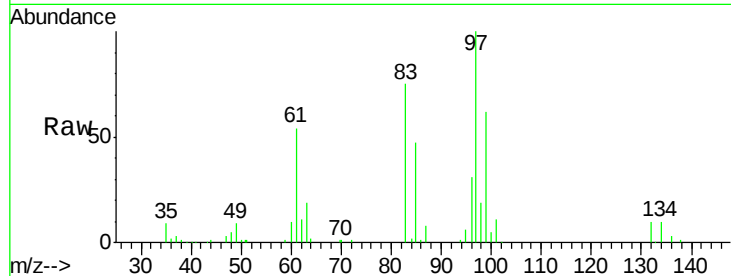
#55
 1,1,2-Trichloroethane
 Concen: 20.266 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion:	97	Resp:	27674
Ion	Ratio	Lower	Upper
97	100		
83	75.0	68.0	102.0
85	47.5	42.2	63.2
99	62.1	52.6	78.8

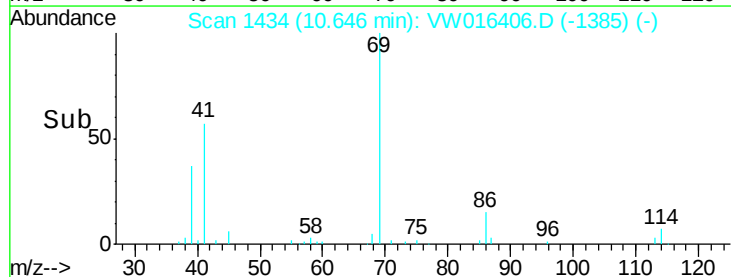
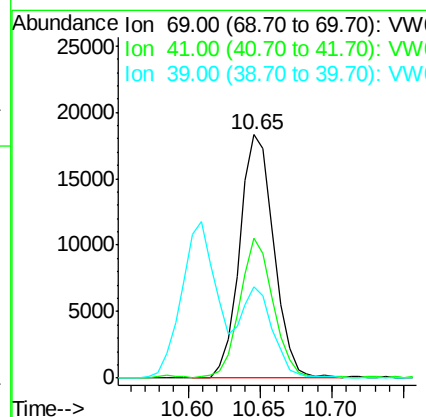
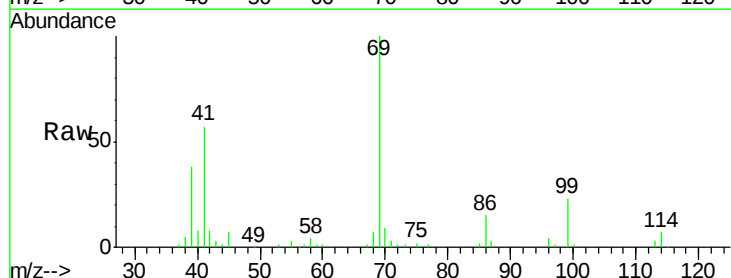
Manual Integrations
 APPROVED

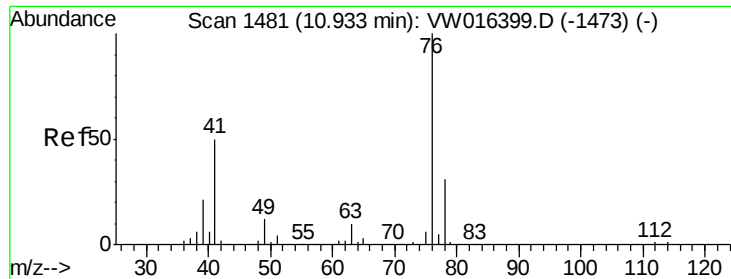
MMDadoda
 9/1/2020 12:40:16 PM



#56
 Ethyl methacrylate
 Concen: 18.926 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion:	69	Resp:	30200
Ion	Ratio	Lower	Upper
69	100		
41	55.4	46.5	69.7
39	34.5	26.2	39.2





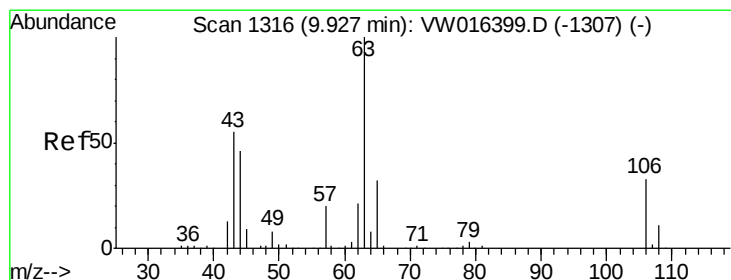
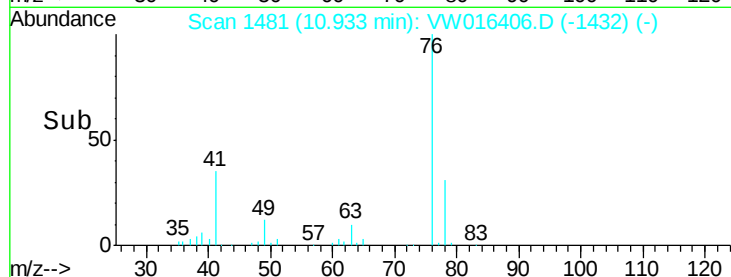
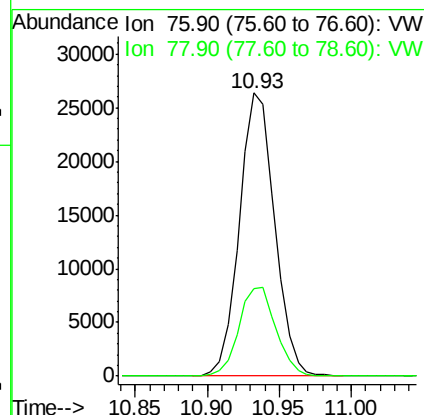
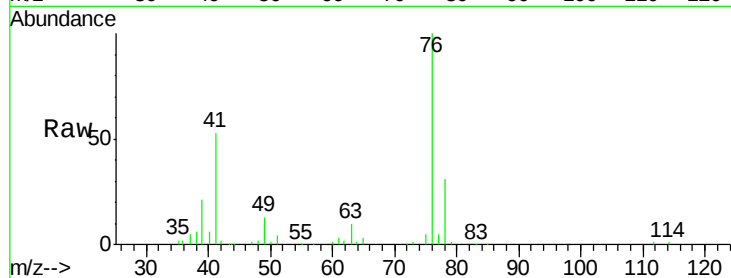
#57
 1,3-Dichloropropane
 Concen: 19.746 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion: 76 Resp: 44803
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

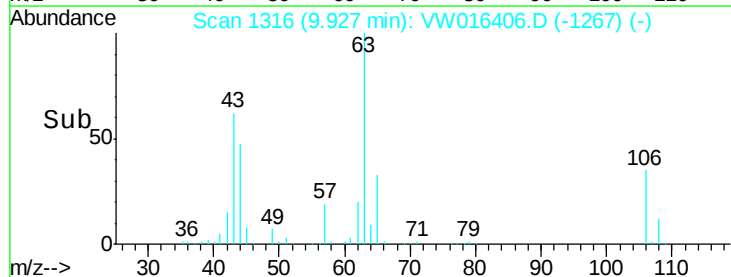
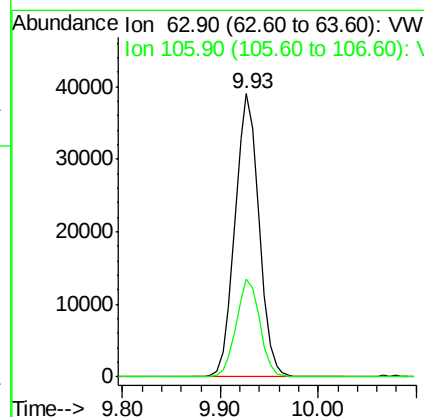
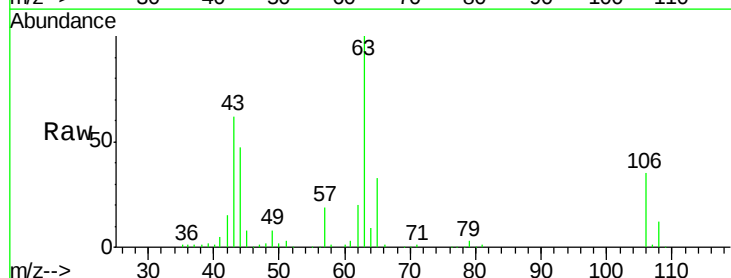
Manual Integrations
 APPROVED

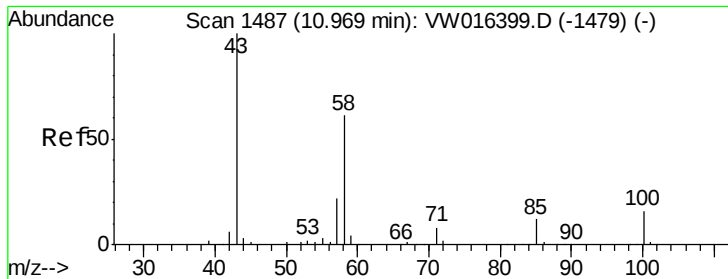
MMDadoda
 9/1/2020 12:40:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.610 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion: 63 Resp: 66355
 Ion Ratio Lower Upper
 63 100
 106 34.0 26.6 40.0





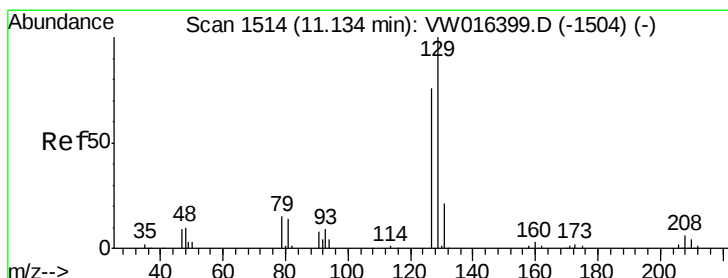
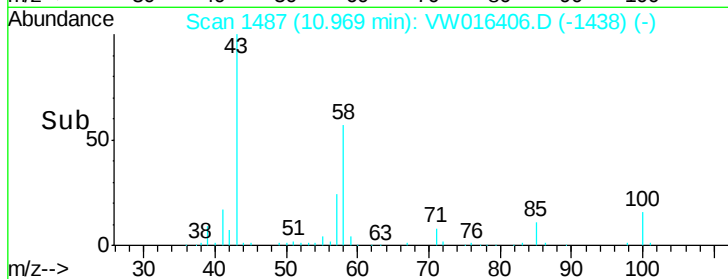
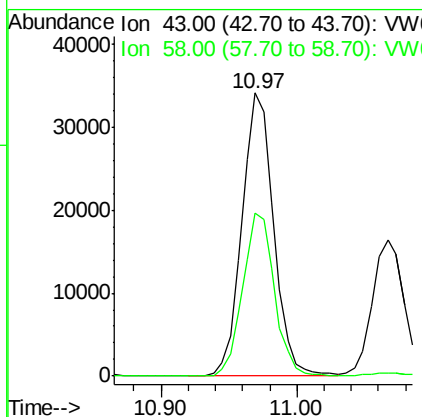
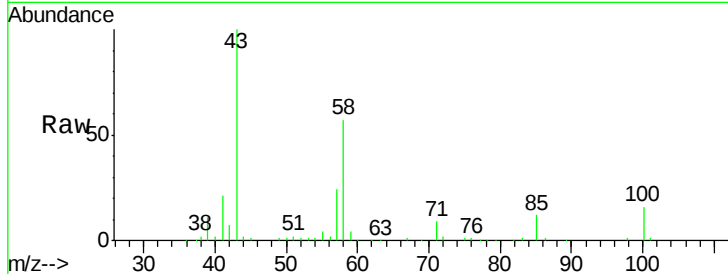
#59
2-Hexanone
Concen: 94.047 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion: 43 Resp: 55668
Ion Ratio Lower Upper
43 100
58 57.5 29.7 89.1

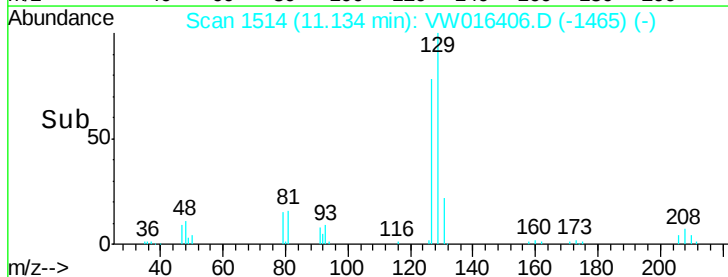
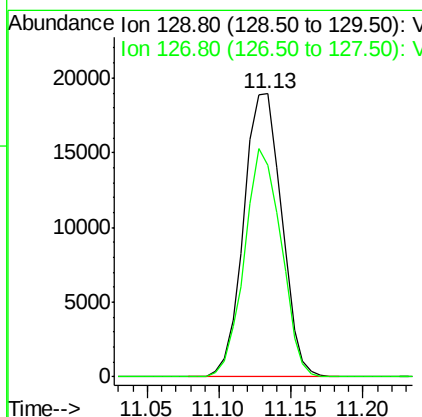
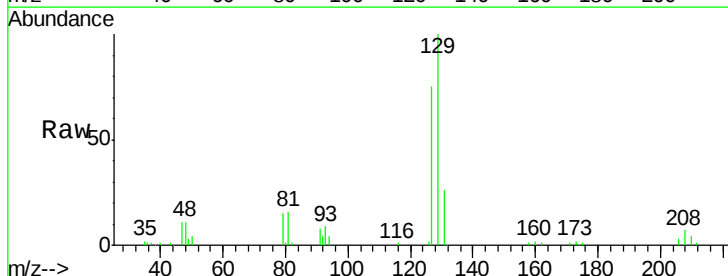
Manual Integrations
APPROVED

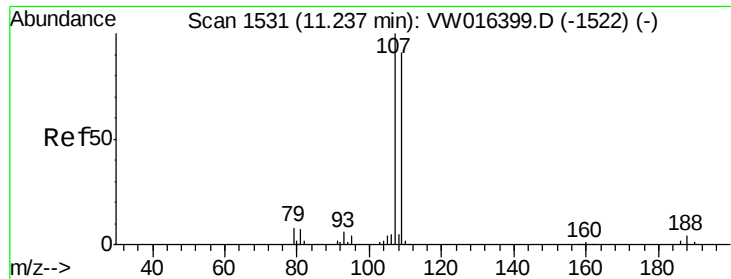
MMDadoda
9/1/2020 12:40:16 PM



#60
Dibromochloromethane
Concen: 20.033 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion: 129 Resp: 34590
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7





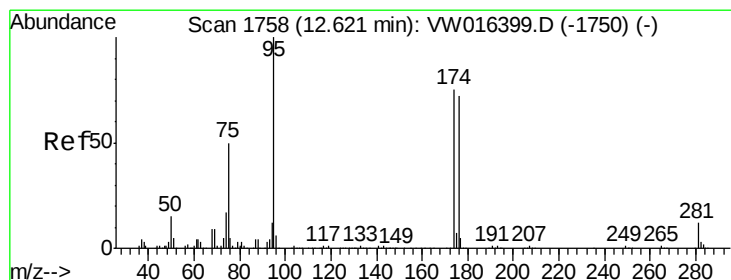
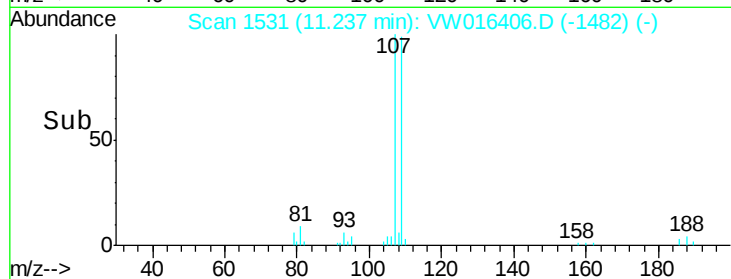
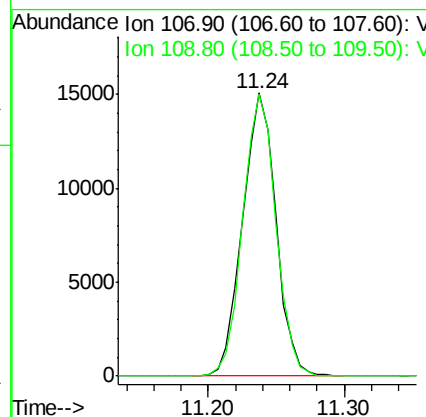
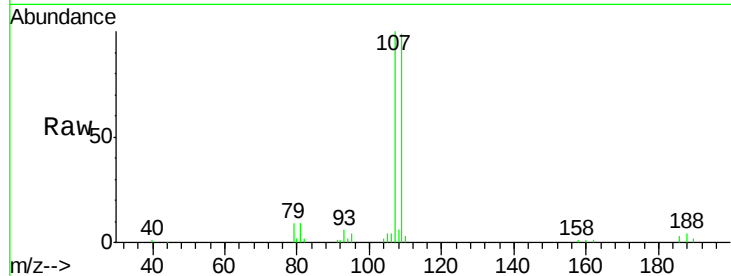
#61
 1,2-Dibromoethane
 Concen: 19.347 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.4	74.5	111.7

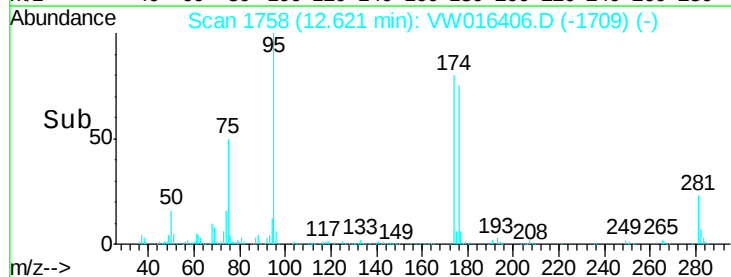
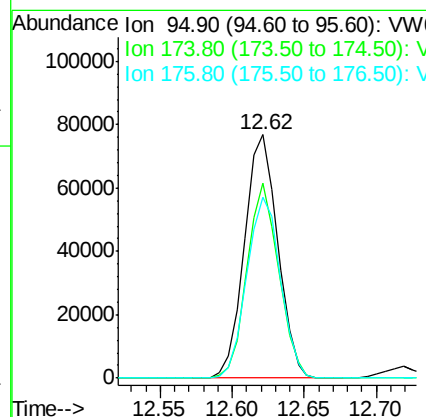
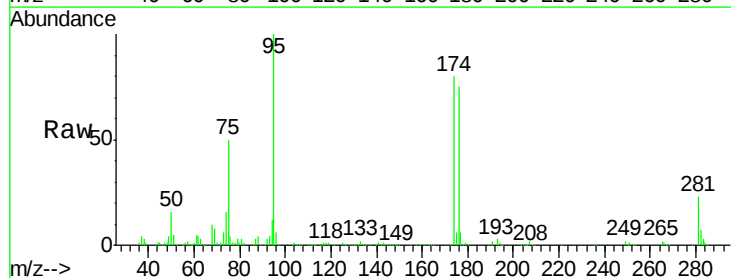
Manual Integrations
 APPROVED

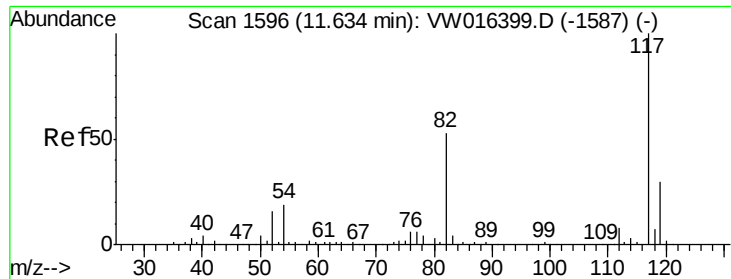
MMDadoda
 9/1/2020 12:40:16 PM



#62
 4-Bromofluorobenzene
 Concen: 50.710 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	152.0
176	74.8	0.0	145.6





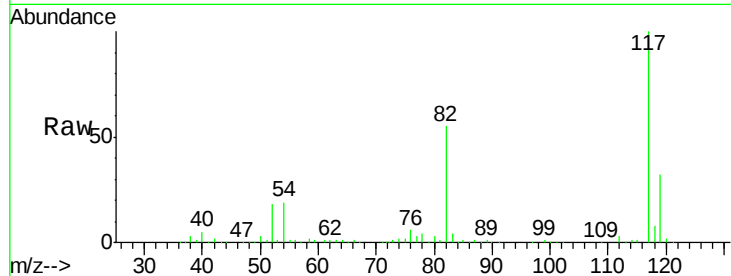
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.2	63.4
119	31.6	24.2	36.4

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM

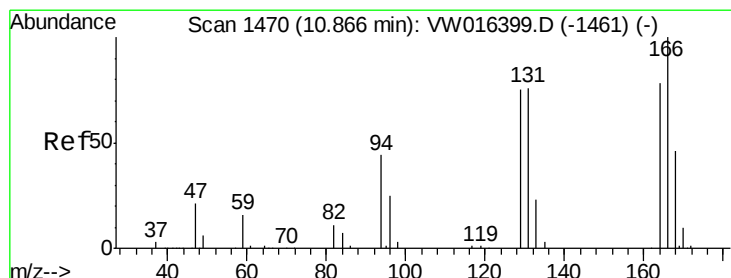
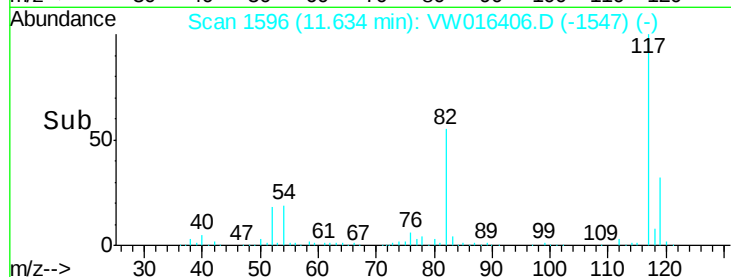
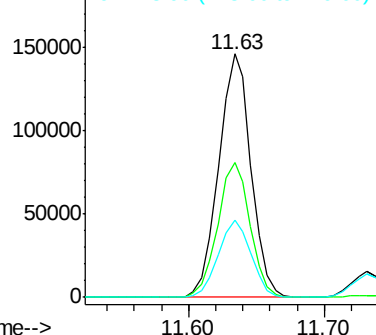


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.034 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.1	154.7
129	99.8	77.3	115.9
131	94.2	78.2	117.2

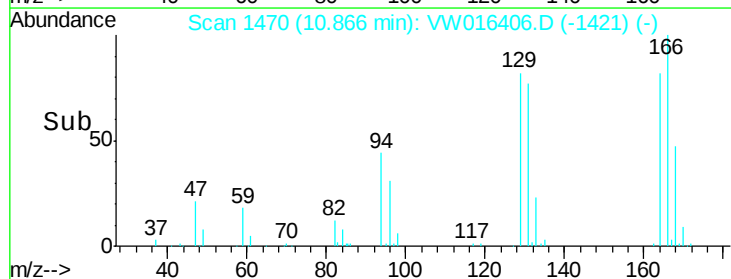
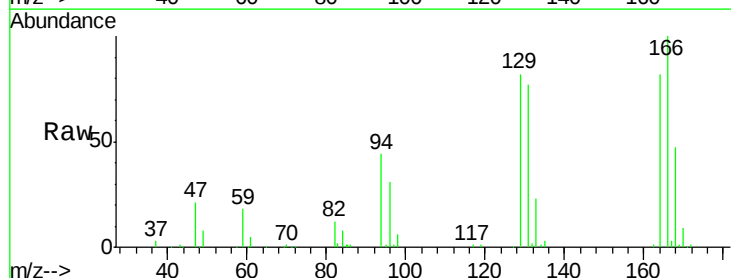
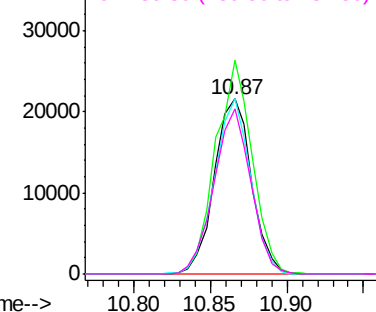
Abundance

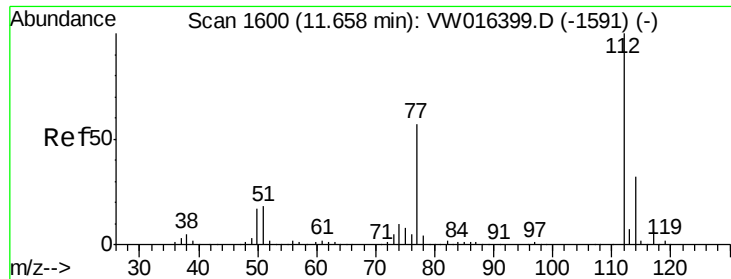
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





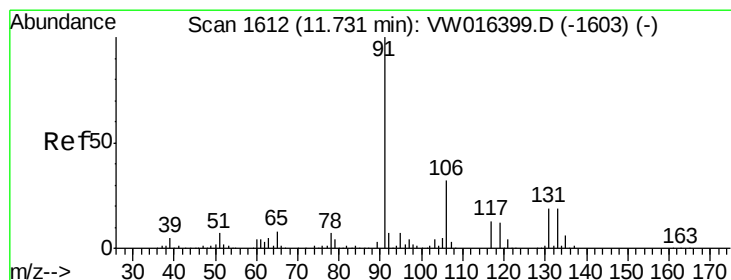
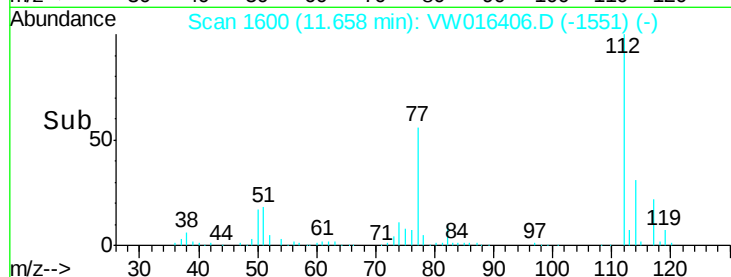
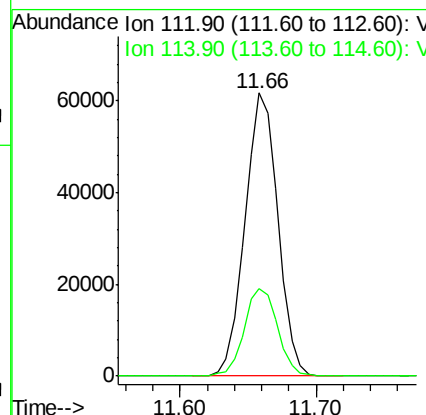
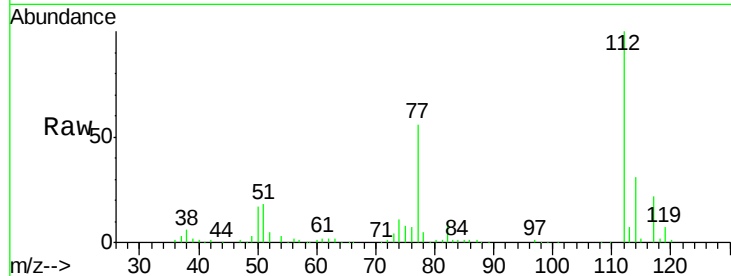
#65
Chlorobenzene
Concen: 20.915 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion:112 Resp: 104225
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.2

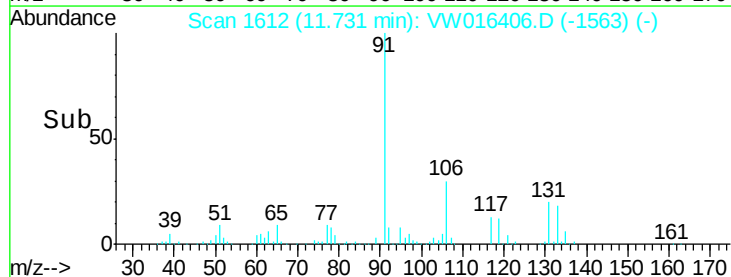
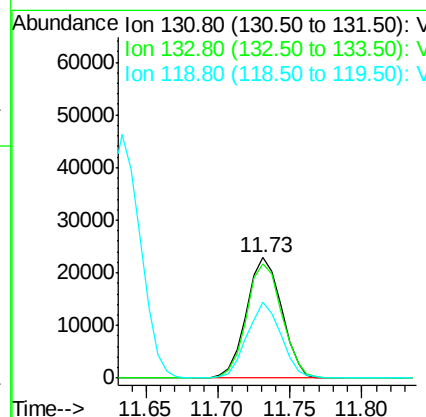
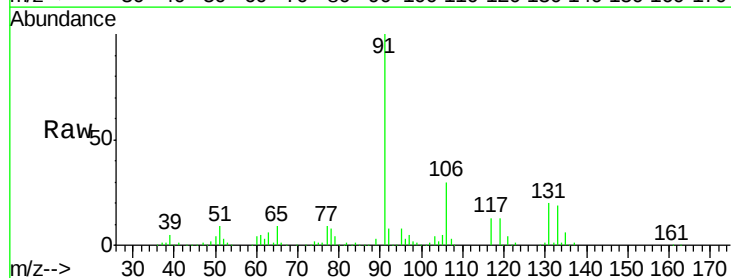
Manual Integrations
APPROVED

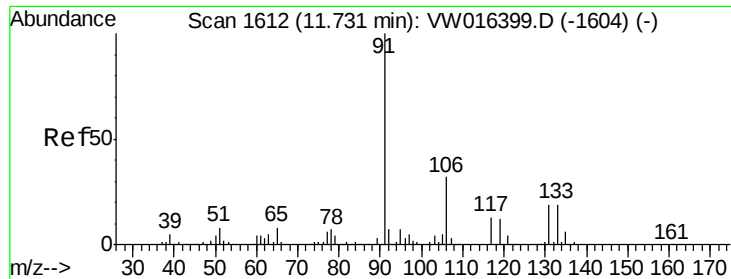
MMDadoda
9/1/2020 12:40:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.064 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion:131 Resp: 38866
Ion Ratio Lower Upper
131 100
133 95.4 46.9 140.6
119 60.7 31.6 95.0





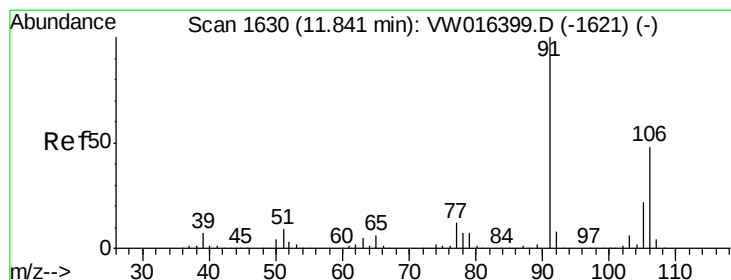
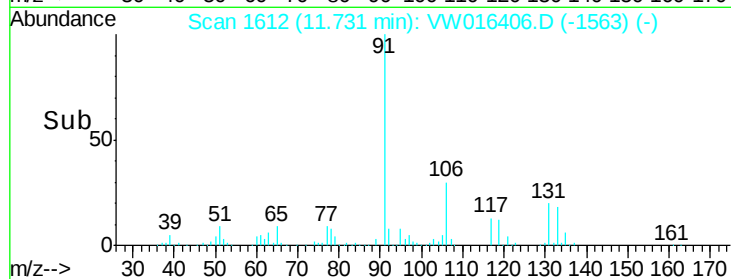
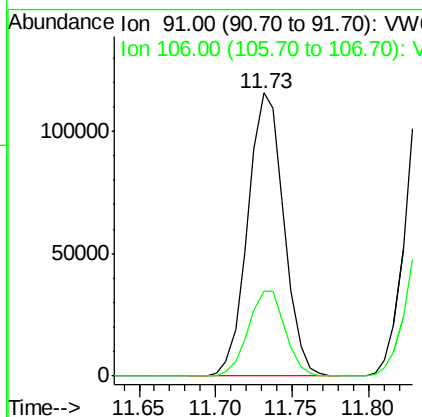
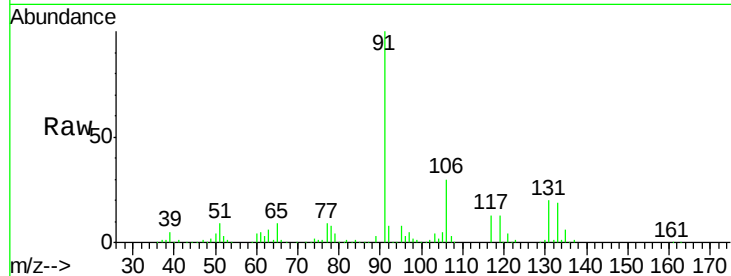
#67
Ethyl Benzene
Concen: 21.311 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion: 91 Resp: 189594
Ion Ratio Lower Upper
91 100
106 30.2 25.3 37.9

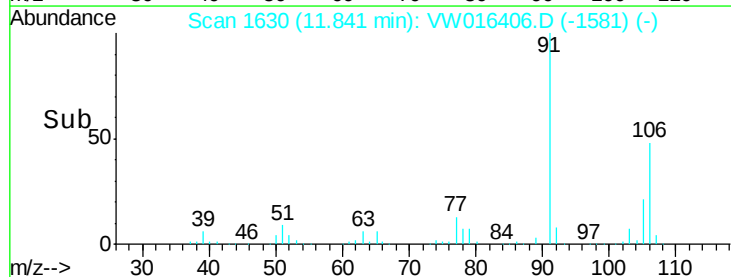
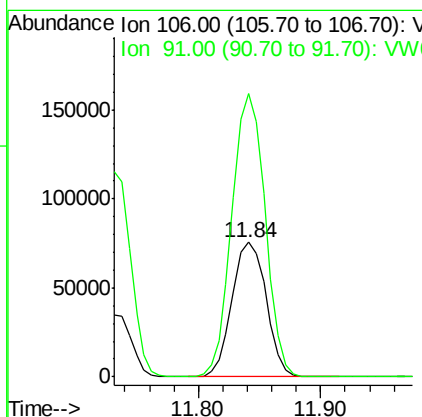
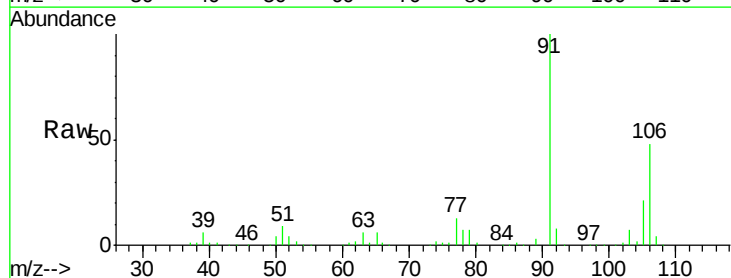
Manual Integrations
APPROVED

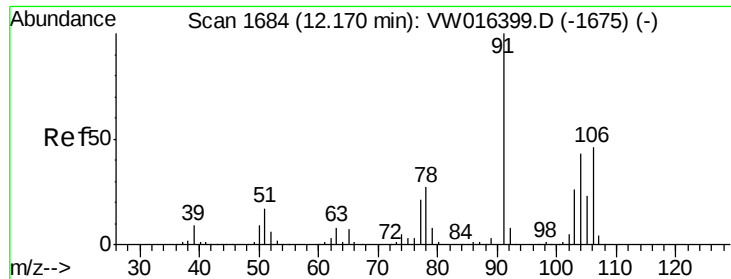
MMDadoda
9/1/2020 12:40:16 PM



#68
m/p-Xylenes
Concen: 43.305 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion:106 Resp: 147089
Ion Ratio Lower Upper
106 100
91 204.1 167.7 251.5





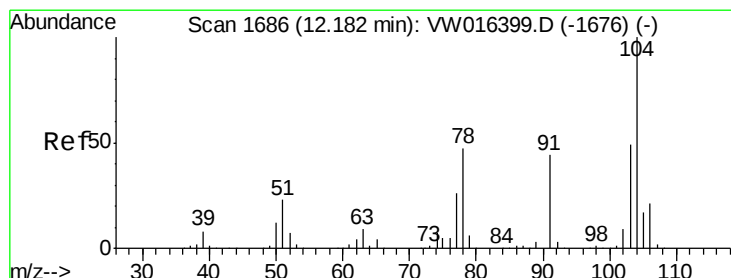
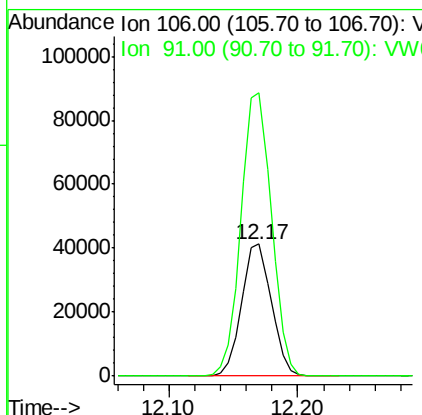
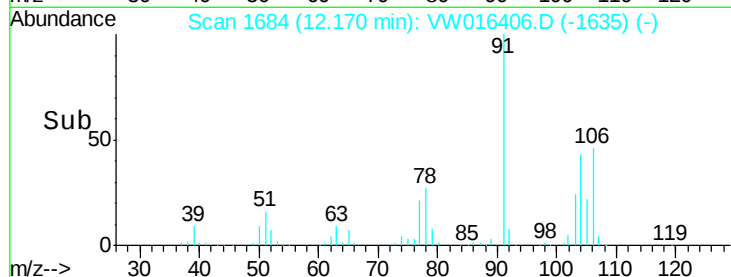
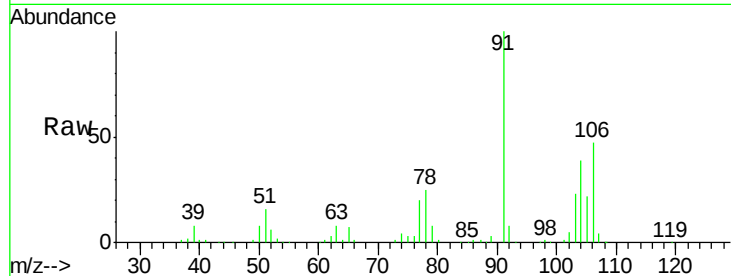
#69
o-Xylene
Concen: 21.215 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion:106 Resp: 66263
Ion Ratio Lower Upper
106 100
91 219.0 111.7 334.9

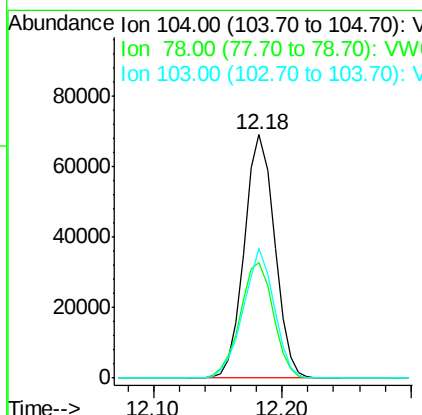
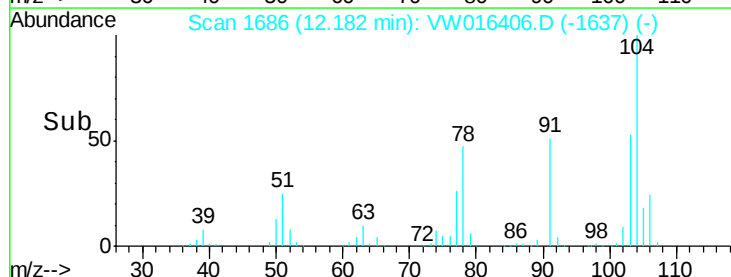
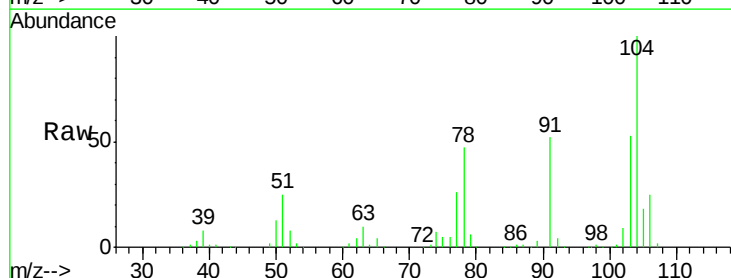
Manual Integrations
APPROVED

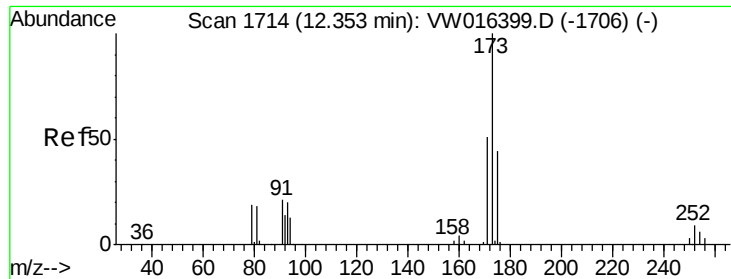
MMDadoda
9/1/2020 12:40:16 PM



#70
Styrene
Concen: 21.105 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion:104 Resp: 112349
Ion Ratio Lower Upper
104 100
78 52.2 41.7 62.5
103 54.2 42.9 64.3





#71

Bromoform

Concen: 20.203 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion:173 Resp: 18968

Ion Ratio Lower Upper

173 100

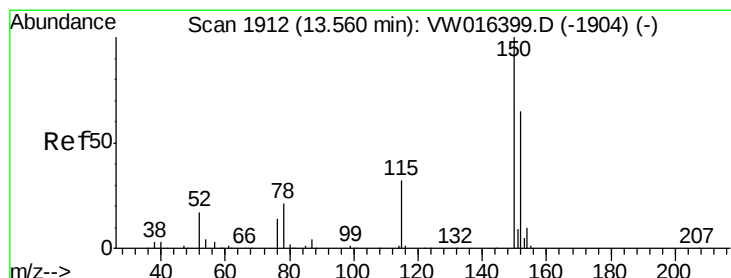
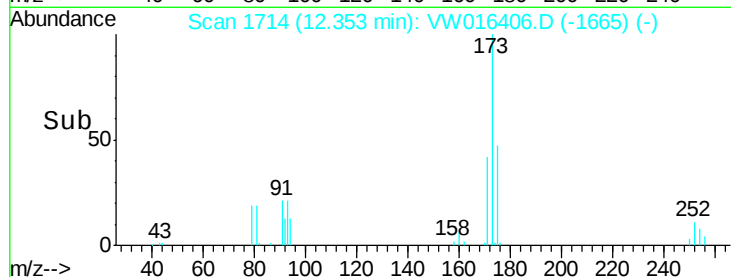
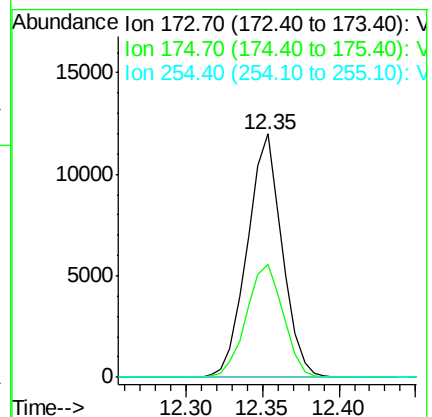
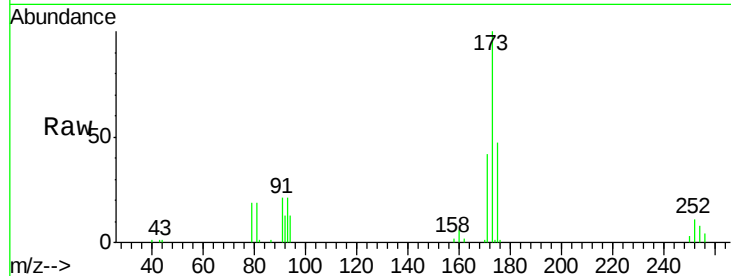
175 48.9 23.5 70.6

254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

9/1/2020 12:40:16 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

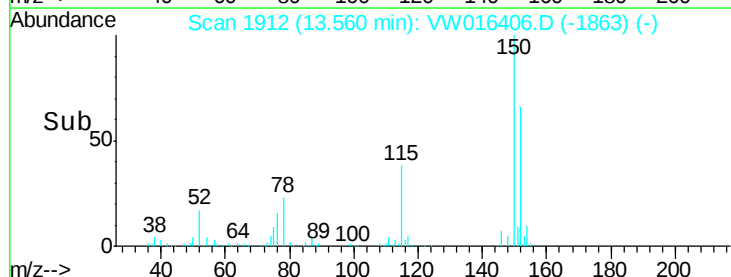
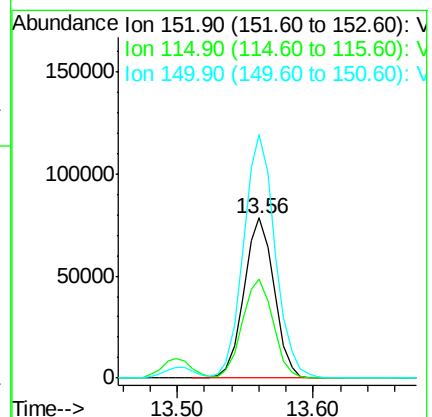
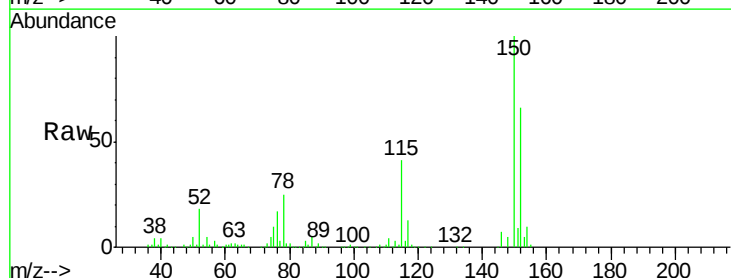
Tgt Ion:152 Resp: 121258

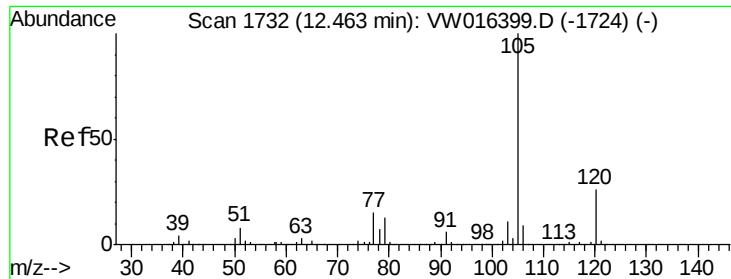
Ion Ratio Lower Upper

152 100

115 63.2 30.9 92.5

150 159.5 0.0 351.0





#73

Isopropylbenzene

Concen: 21.358 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion: 105 Resp: 190963

Ion Ratio Lower Upper

105 100

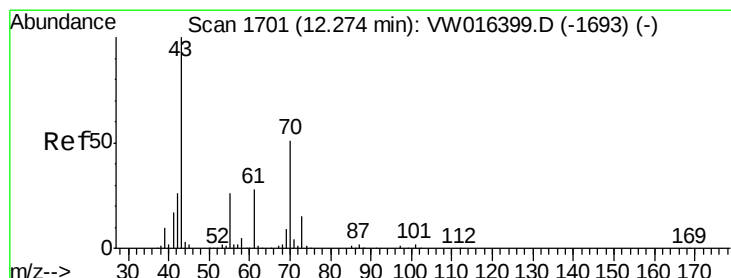
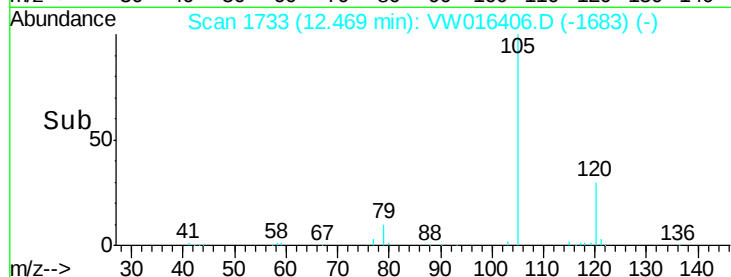
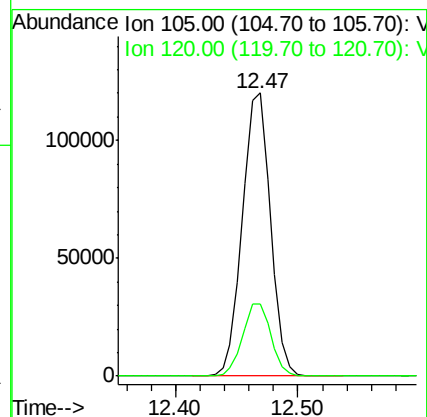
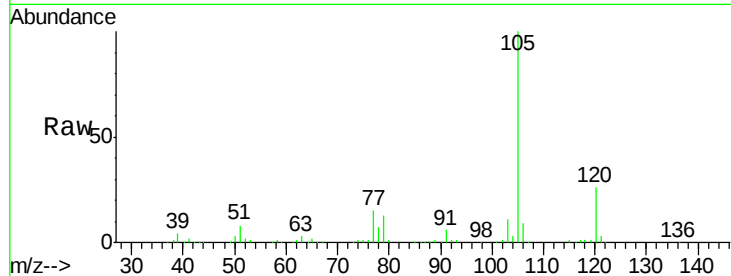
120 25.7 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

9/1/2020 12:40:16 PM



#74

N-ethyl acetate

Concen: 18.981 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion: 43 Resp: 29699

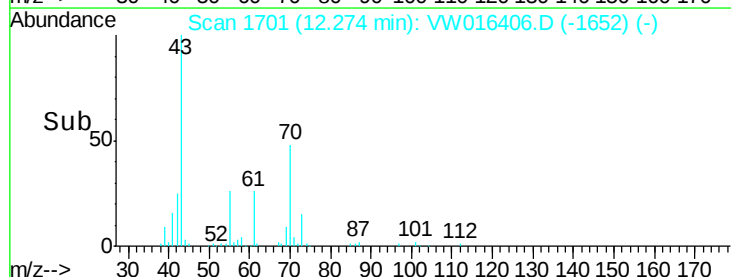
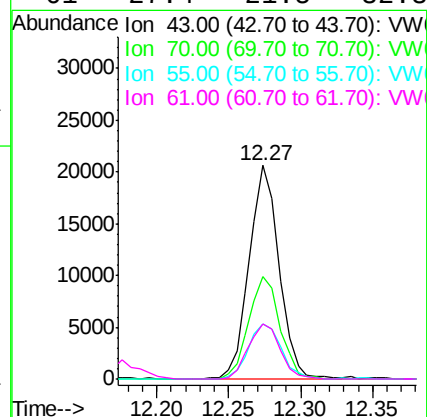
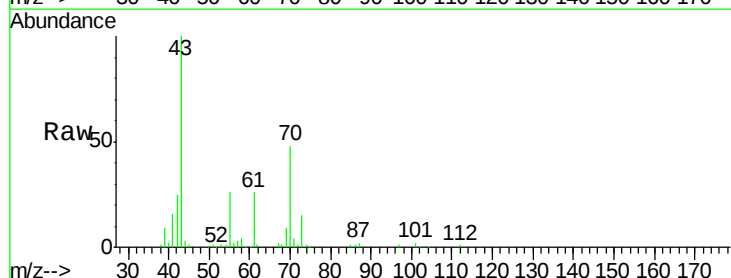
Ion Ratio Lower Upper

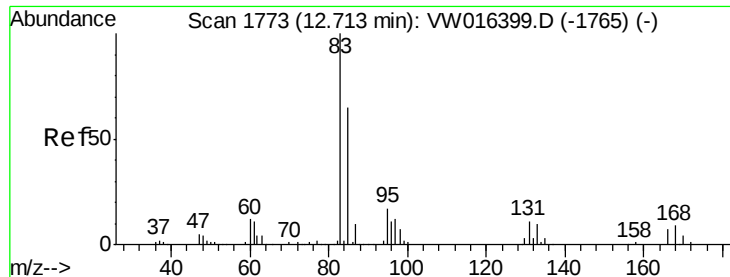
43 100

70 49.8 40.8 61.2

55 28.1 21.6 32.4

61 27.4 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.829 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

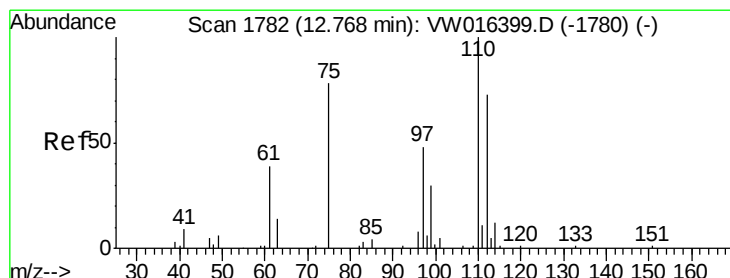
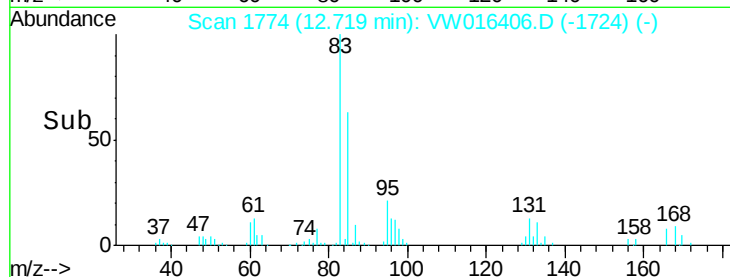
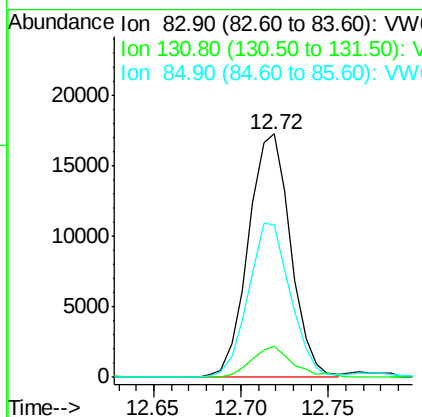
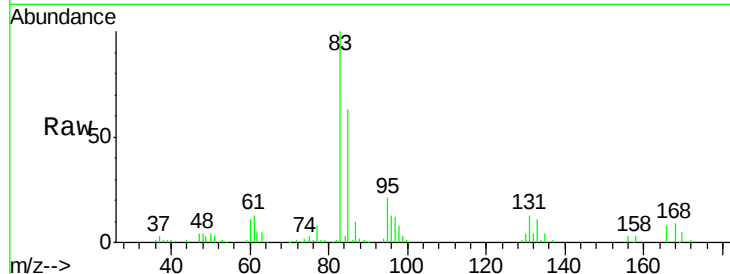
ClientSampled :

VW0831SBS01

Tot Ion:	83	Resp:	29186
Ion Ratio	Lower	Upper	
83	100		
131	12.5	5.9	17.8
85	63.1	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM



#76

1,2,3-Trichloropropane

Concen: 19.842 ug/l m

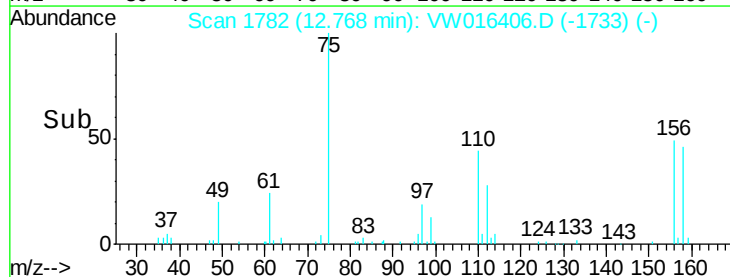
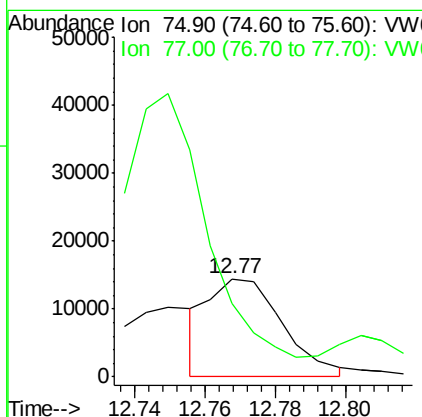
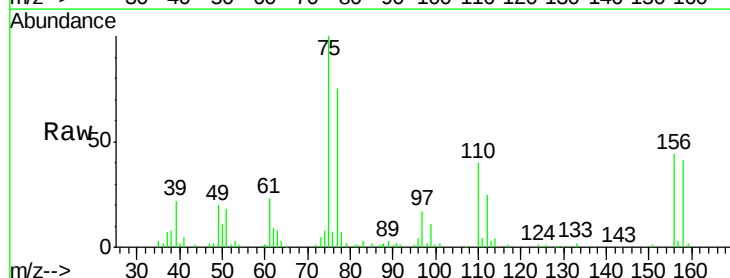
RT: 12.77 min Scan# 1782

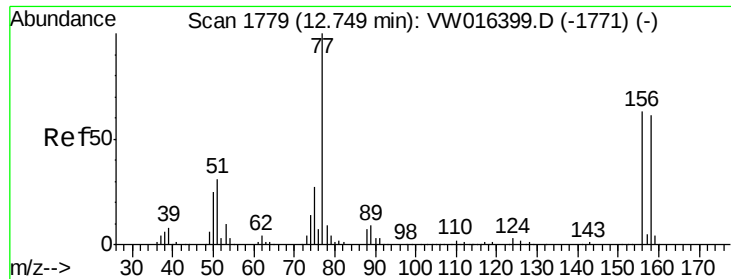
Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion:	75	Resp:	21275
Ion Ratio	Lower	Upper	
75	100		
77	355.8	173.4	520.2





#77

Bromobenzene

Concen: 20.575 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS01

Tot Ion:156 Resp: 42766

Ion Ratio Lower Upper

156 100

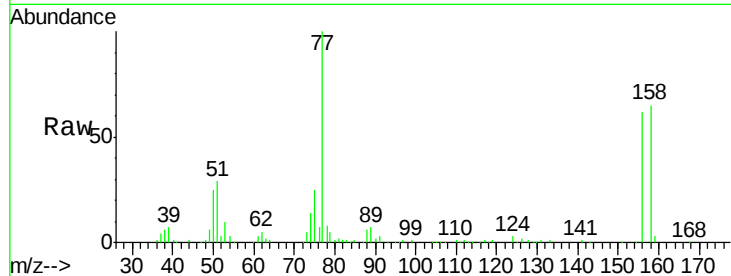
77 177.0 90.0 269.9

158 99.9 47.3 141.8

Manual Integrations
APPROVED

MMDadoda

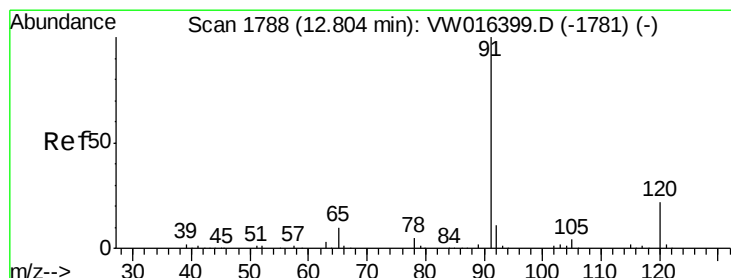
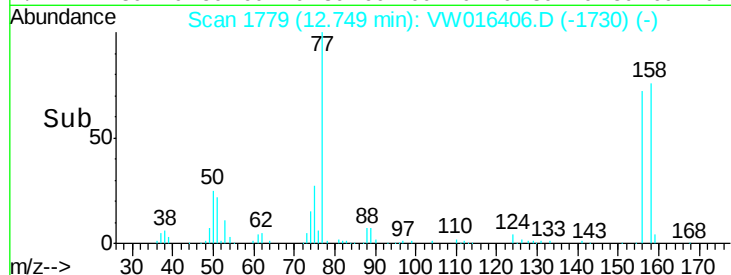
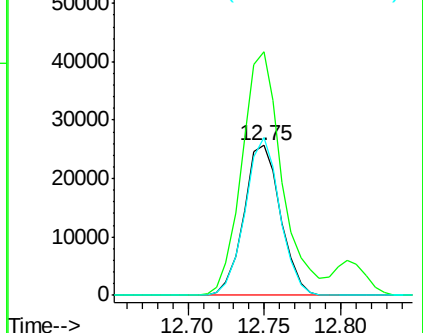
9/1/2020 12:40:16 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.489 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW016406.D

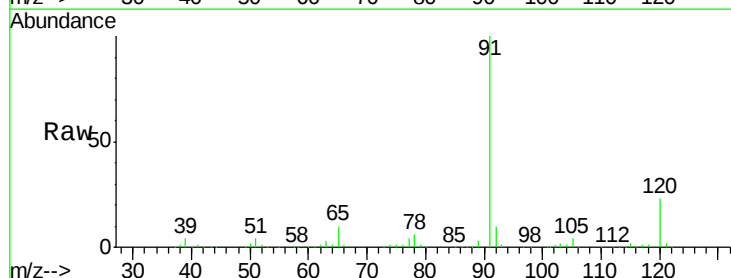
Acq: 31 Aug 2020 13:03

Tgt Ion: 91 Resp: 225550

Ion Ratio Lower Upper

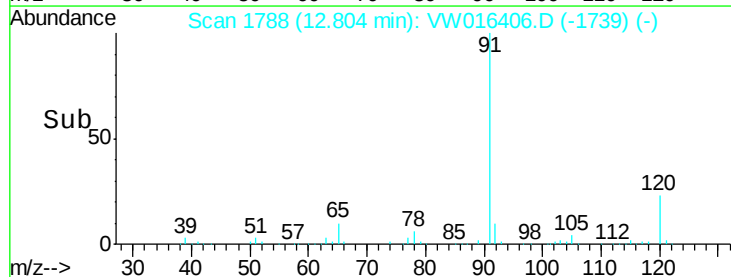
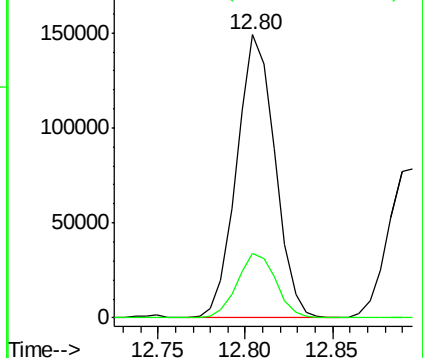
91 100

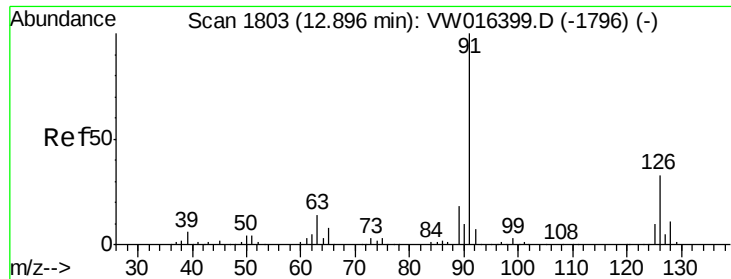
120 23.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





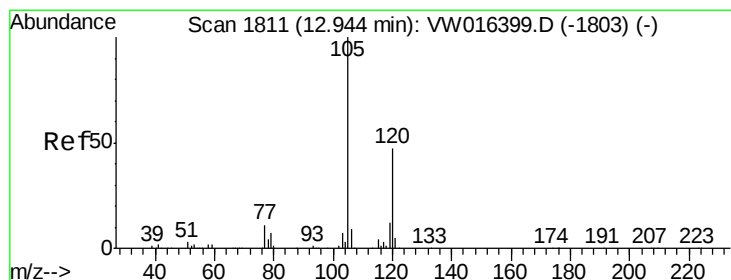
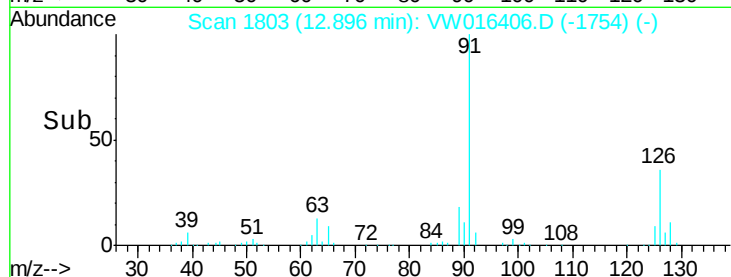
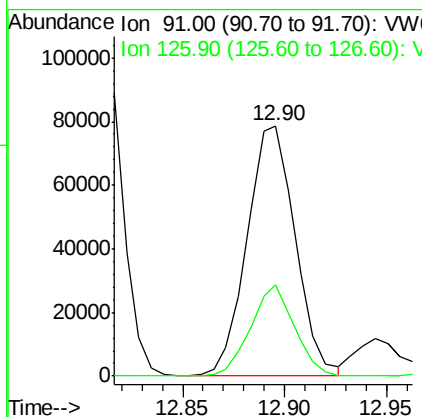
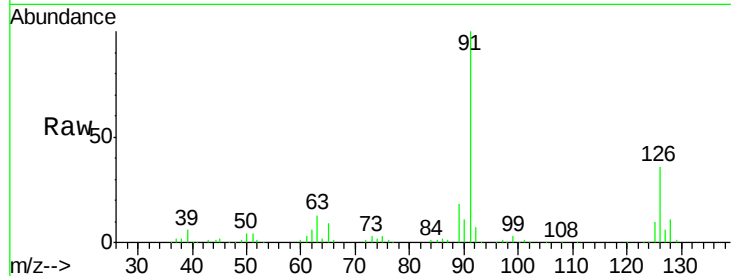
#79
 2-Chlorotoluene
 Concen: 20.925 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion: 91 Resp: 129347
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.4 49.1

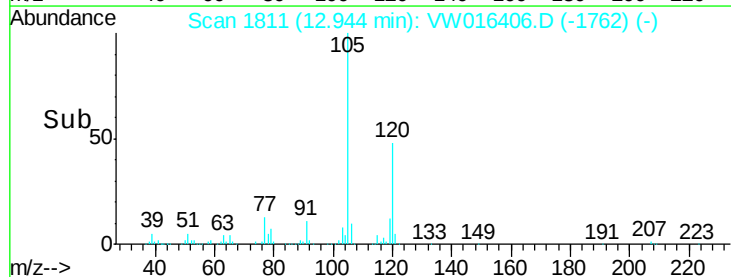
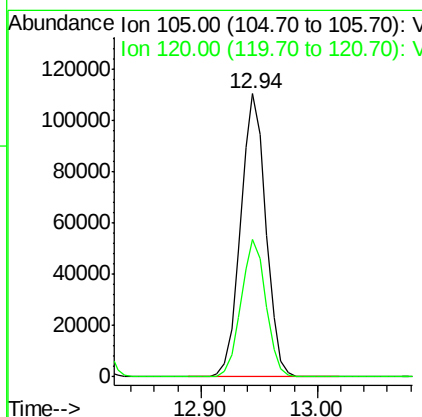
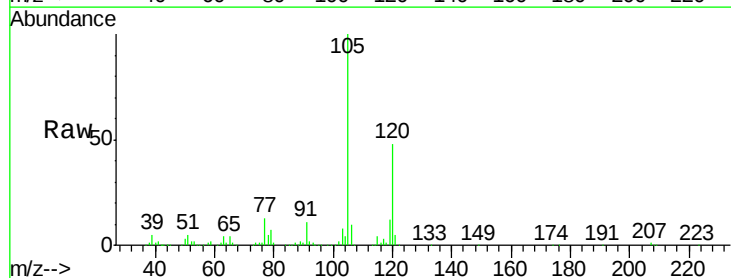
Manual Integrations
 APPROVED

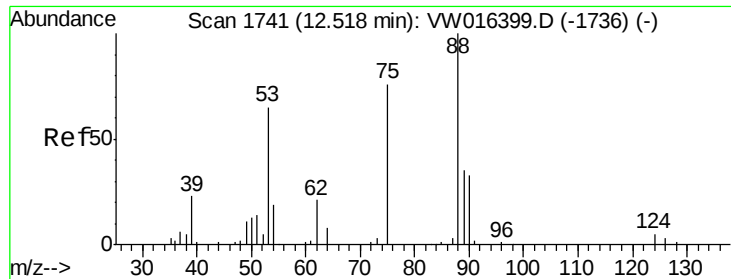
MMDadoda
 9/1/2020 12:40:16 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.270 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion:105 Resp: 166803
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.2





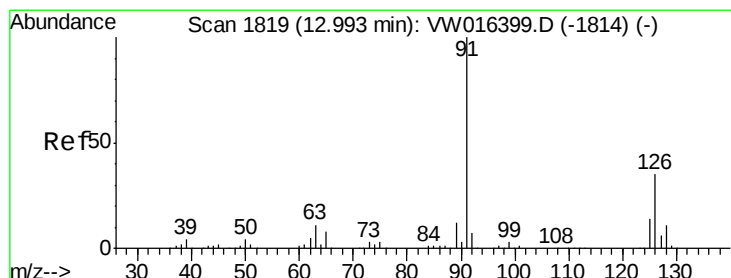
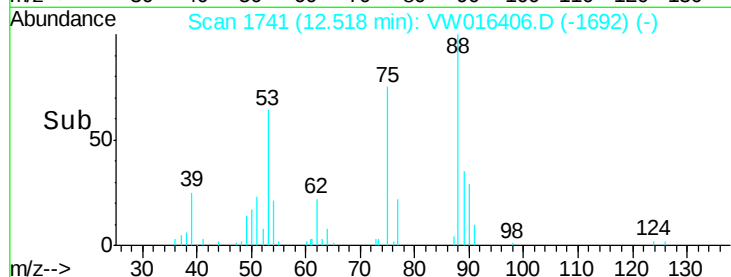
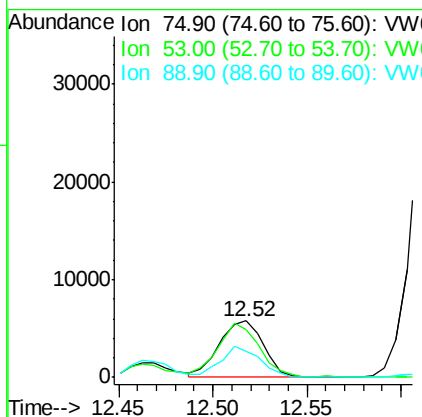
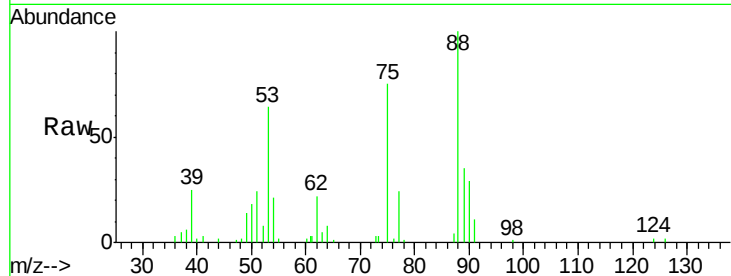
#81
trans-1,4-Dichloro-2-butene
Concen: 19.538 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.7	75.2	112.8
89	48.9	40.4	60.6

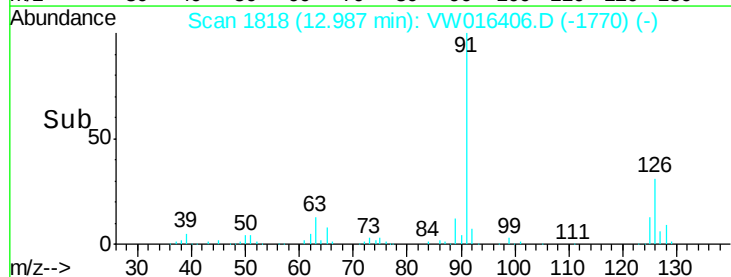
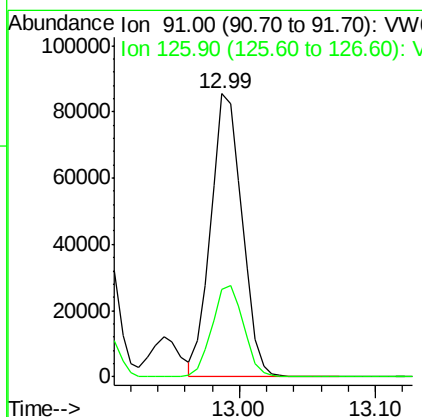
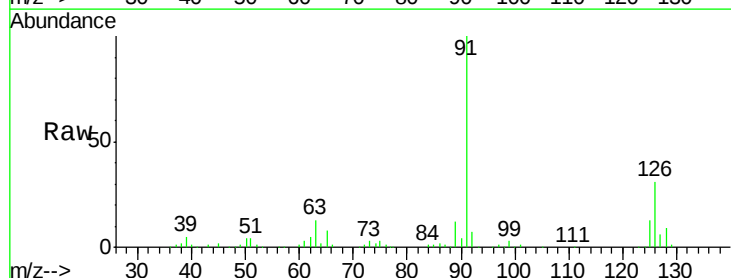
Manual Integrations
APPROVED

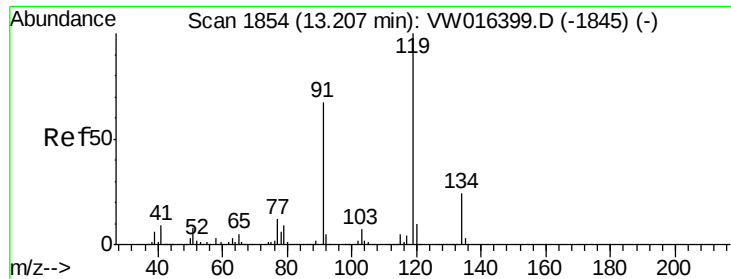
MMDadoda
9/1/2020 12:40:16 PM



#82
4-Chlorotoluene
Concen: 21.104 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	17.0	50.9





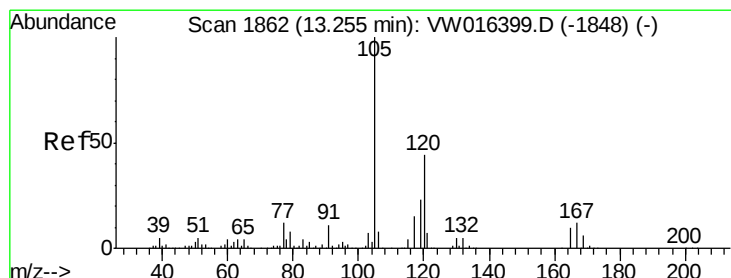
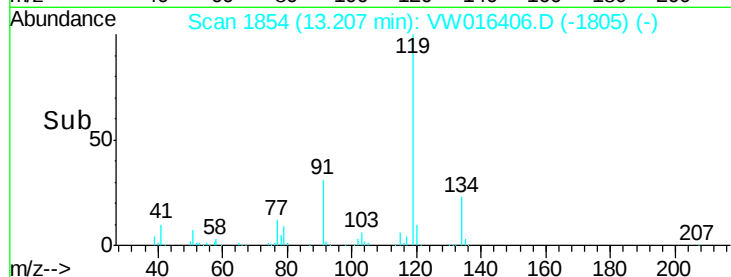
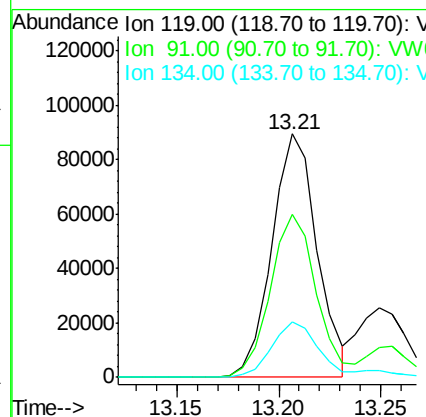
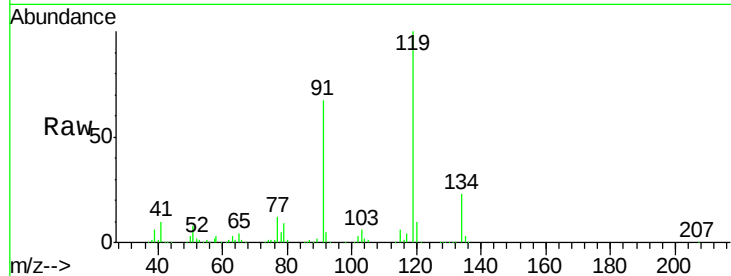
#83
tert-Butylbenzene
Concen: 21.002 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138368		
91	68.5	34.1	102.3	
134	23.5	12.3	36.8	

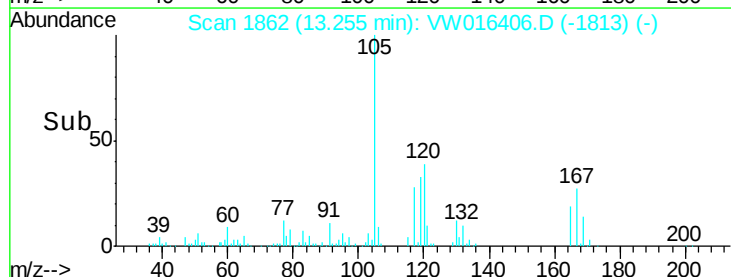
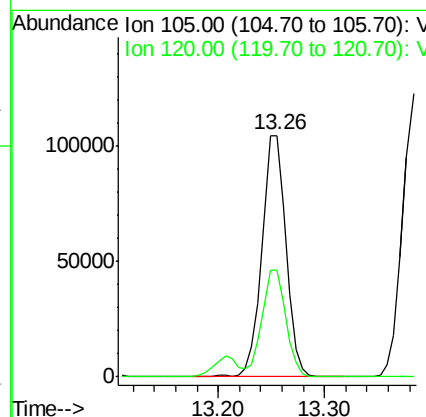
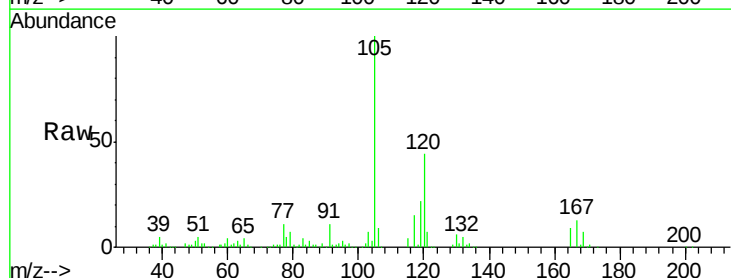
Manual Integrations
APPROVED

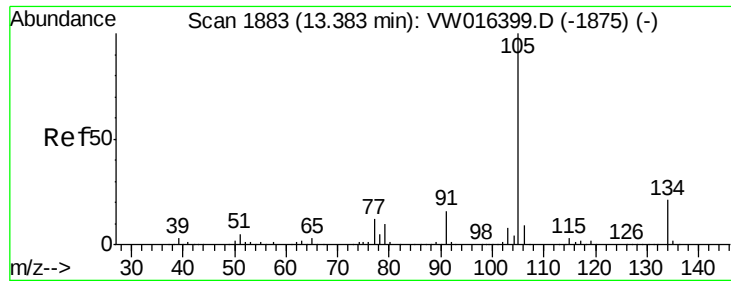
MMDadoda
9/1/2020 12:40:16 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.307 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	166655		
120	43.9	22.1	66.1	





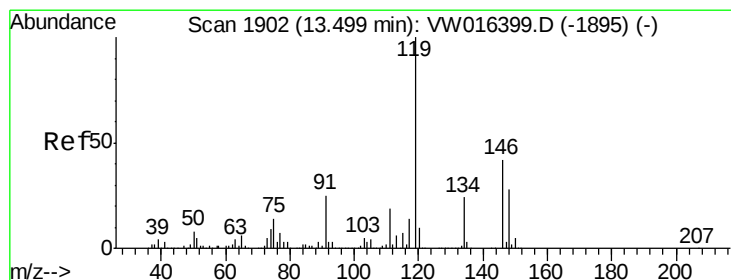
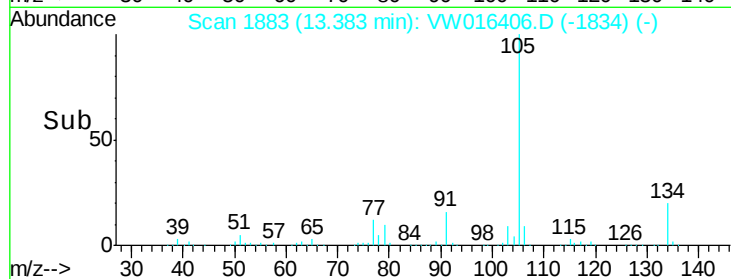
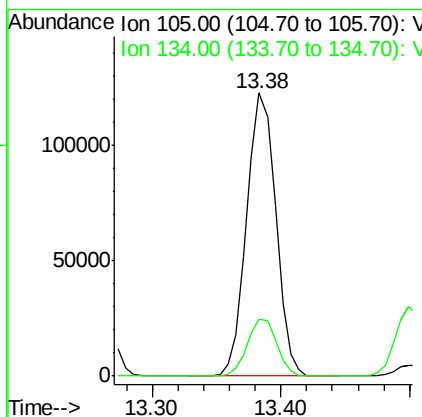
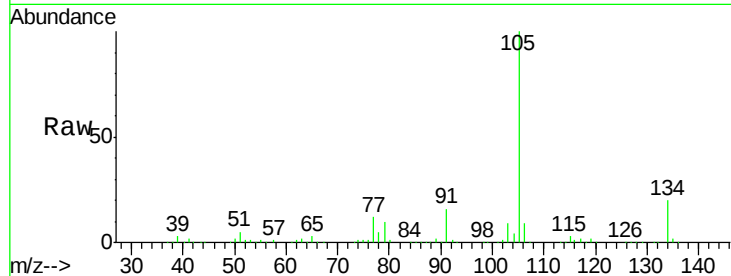
#85
 sec-Butylbenzene
 Concen: 21.036 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

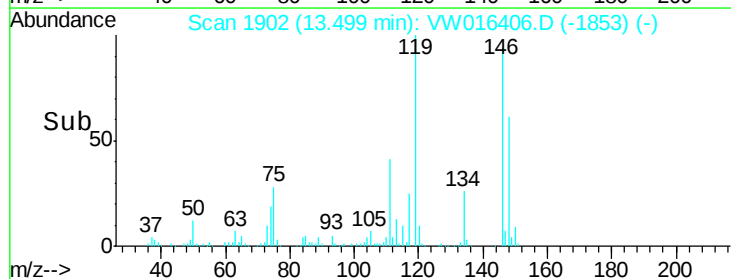
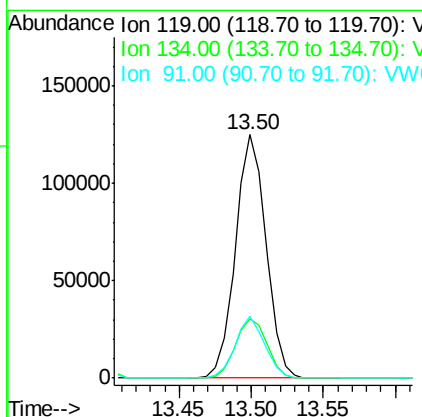
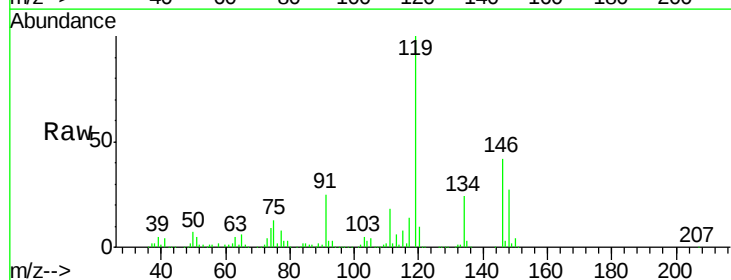
Manual Integrations
 APPROVED

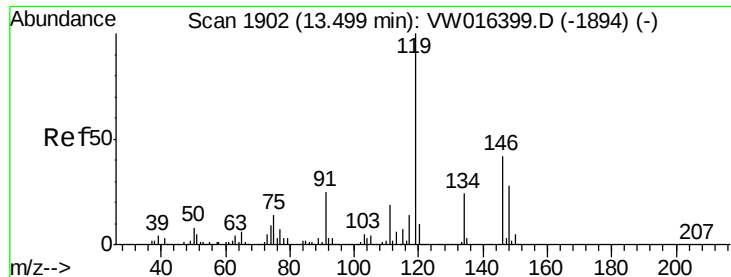
MMDadoda
 9/1/2020 12:40:16 PM



#86
 p-Isopropyltoluene
 Concen: 21.628 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.6
91	24.7	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 20.835 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

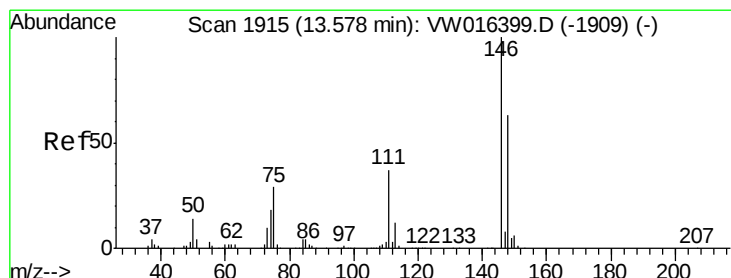
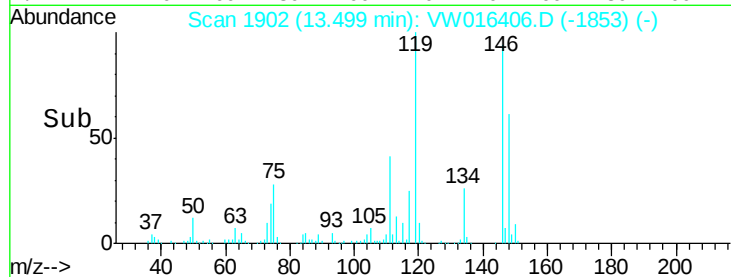
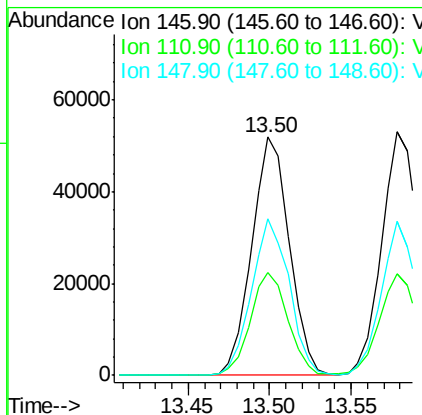
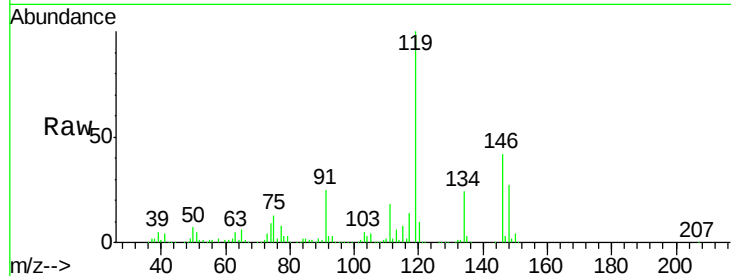
ClientSampleId :

VW0831SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.6	67.8
148	65.4	33.6	100.8

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM



#88

1,4-Dichlorobenzene

Concen: 21.022 ug/l

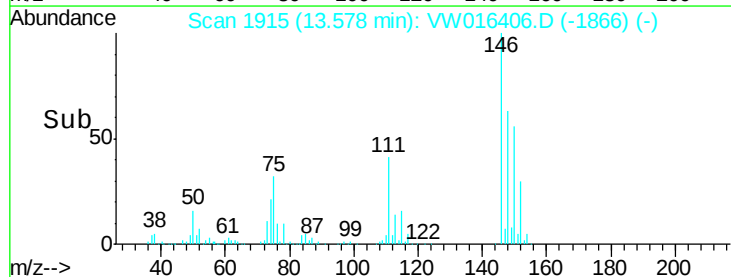
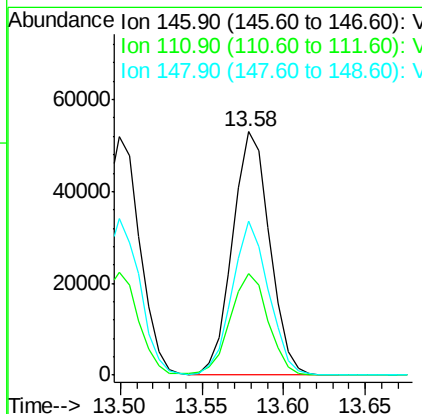
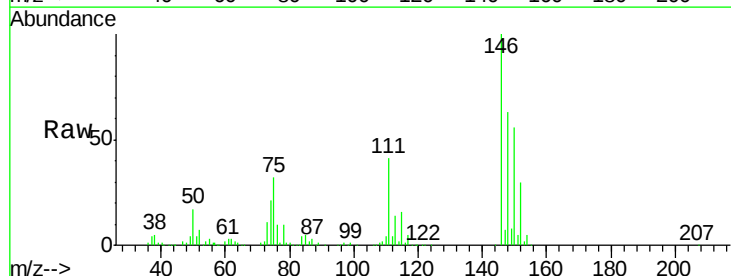
RT: 13.58 min Scan# 1915

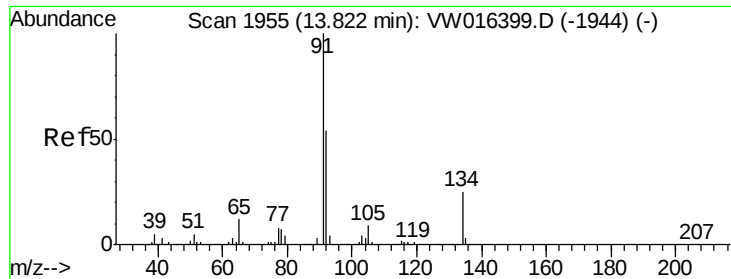
Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.4	61.3
148	62.0	32.0	96.2





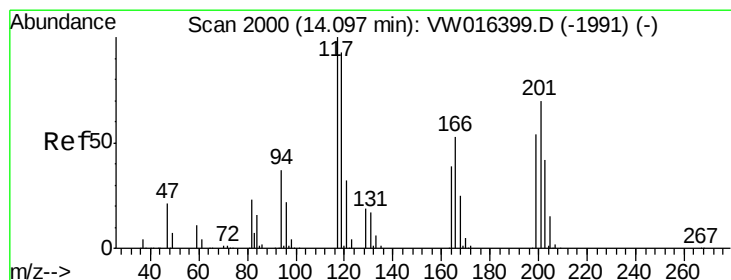
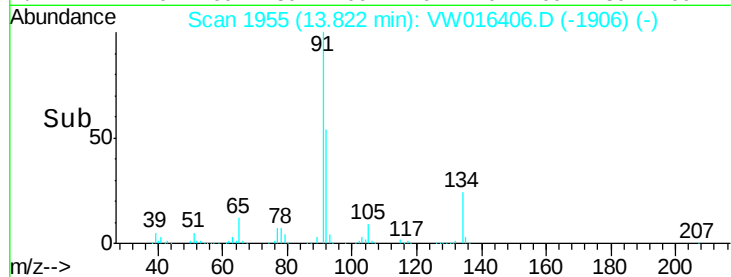
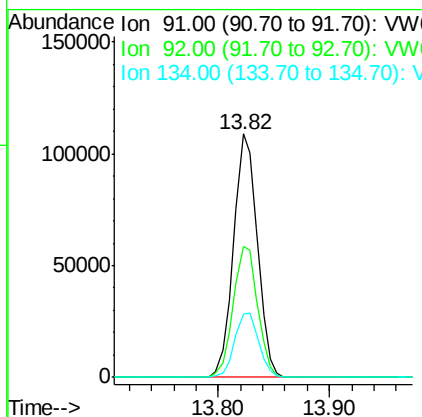
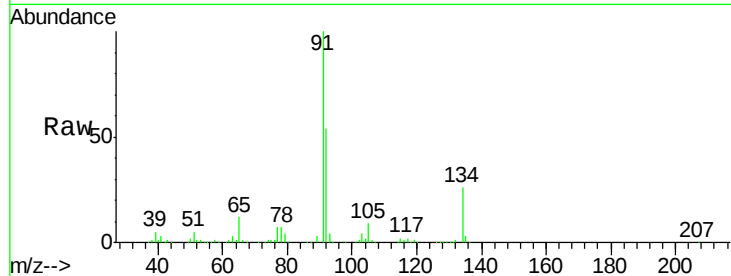
#89
n-Butylbenzene
Concen: 20.579 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Instrument :
MSVOA_W
ClientSampled :
VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	160907		
92	55.3	26.8	80.4	
134	26.7	13.2	39.6	

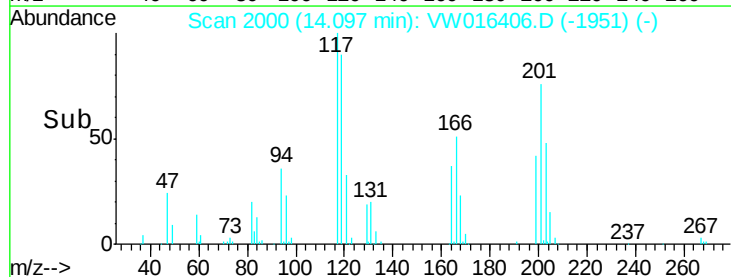
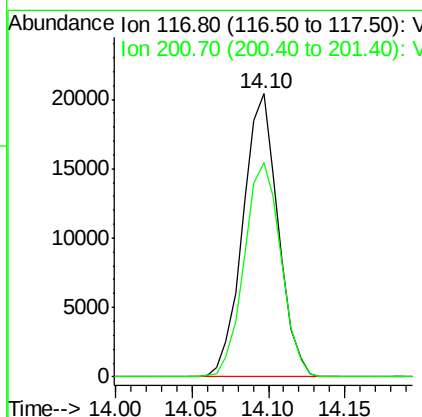
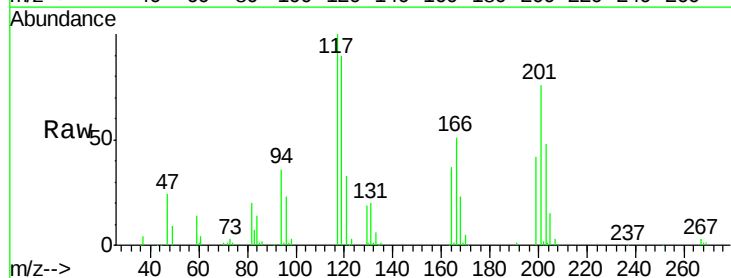
Manual Integrations
APPROVED

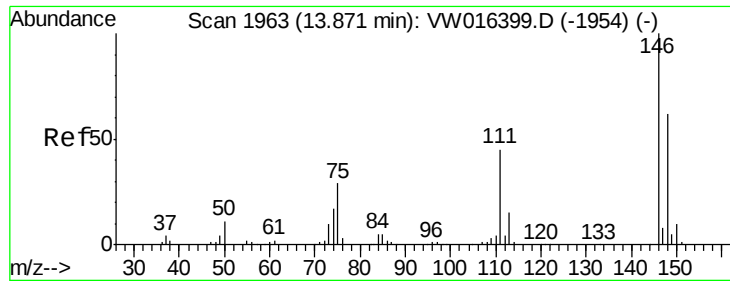
MMDadoda
9/1/2020 12:40:16 PM



#90
Hexachloroethane
Concen: 20.363 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW016406.D
Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32560		
201	79.0	35.9	107.7	





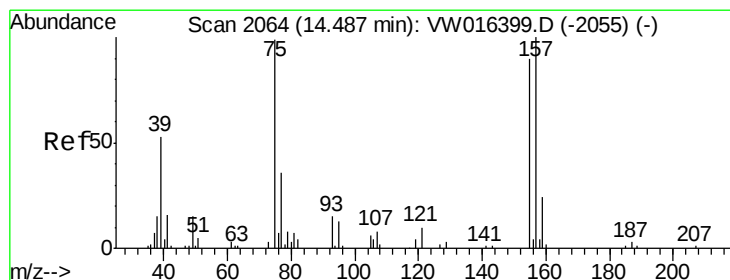
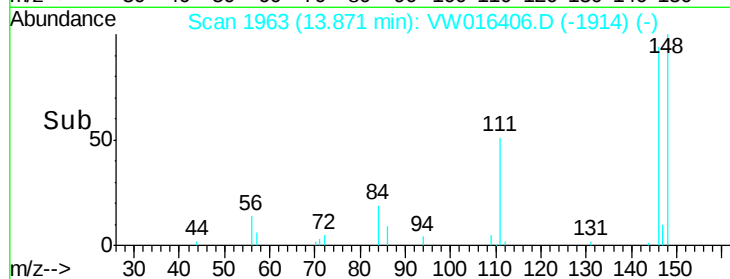
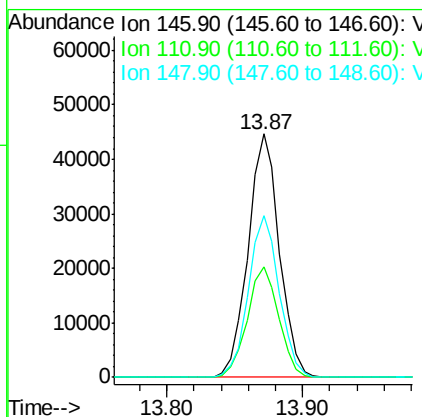
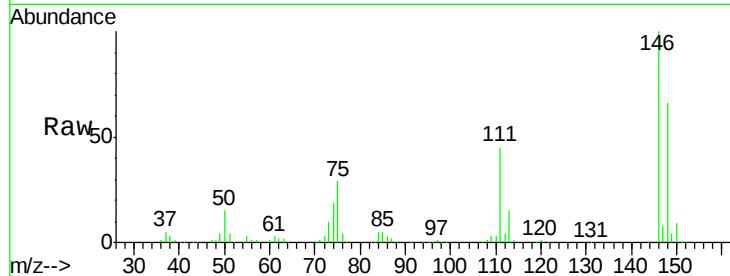
#91
 1,2-Dichlorobenzene
 Concen: 20.129 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.3	66.8
148	65.4	32.0	96.0

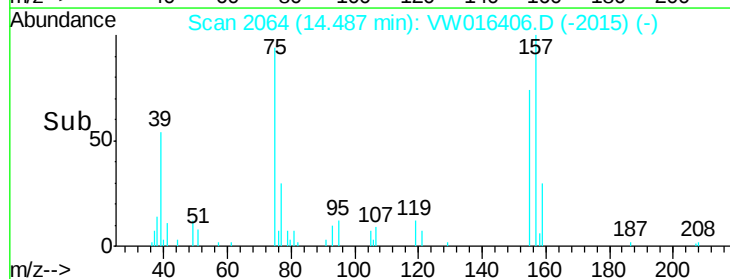
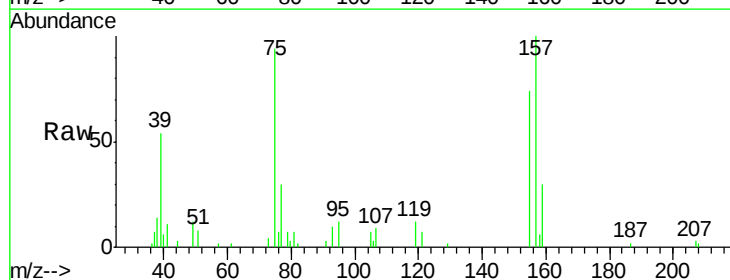
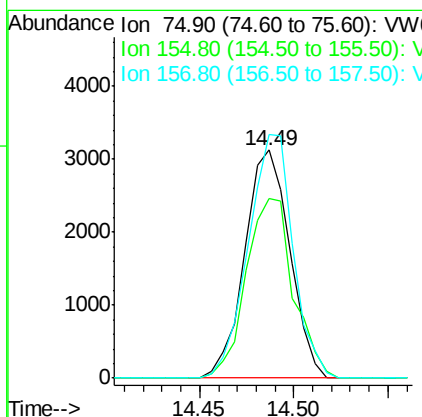
Manual Integrations
 APPROVED

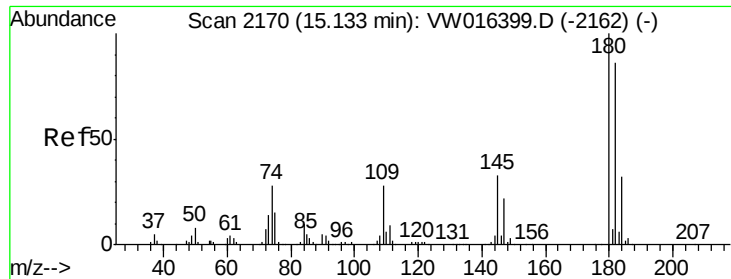
MMDadoda
 9/1/2020 12:40:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.301 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	41.4	124.4
157	106.9	52.1	156.4





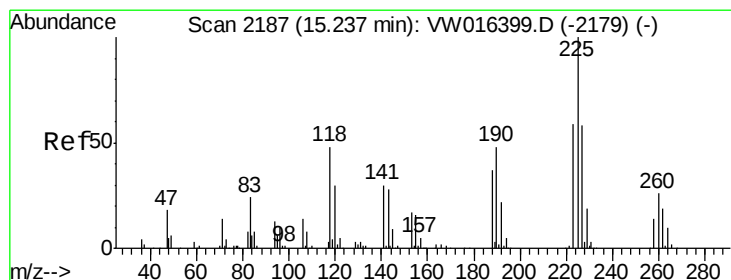
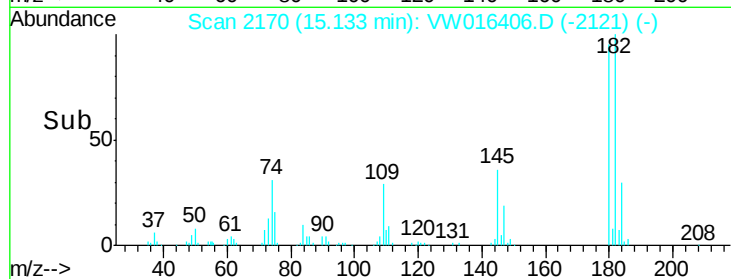
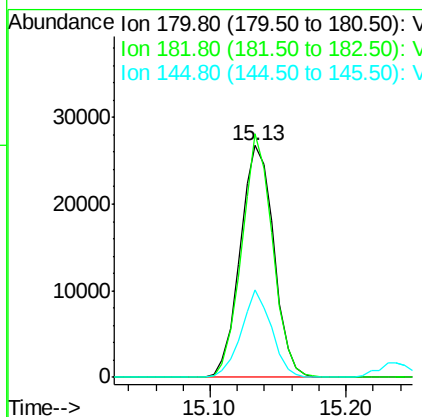
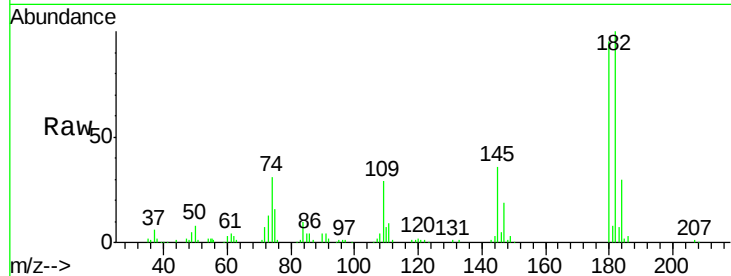
#93
 1,2,4-Trichlorobenzene
 Concen: 19.474 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46203		
182	96.4	44.9	134.7	
145	33.9	17.1	51.2	

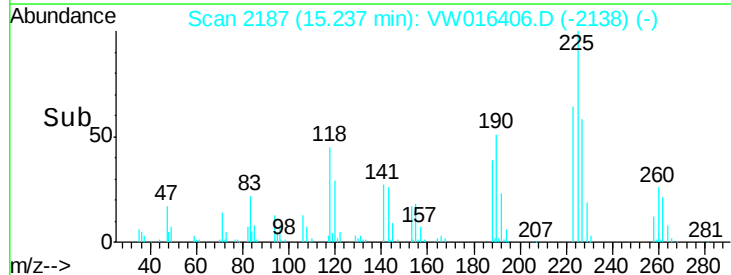
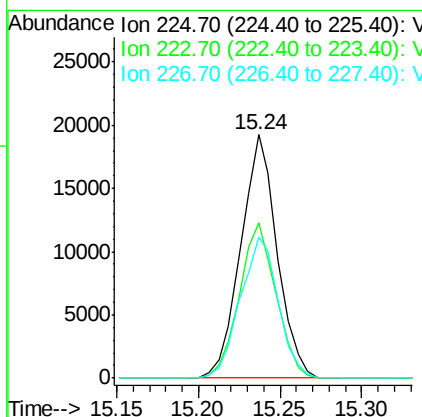
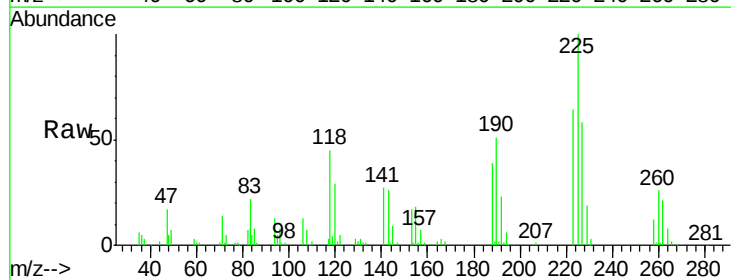
Manual Integrations
 APPROVED

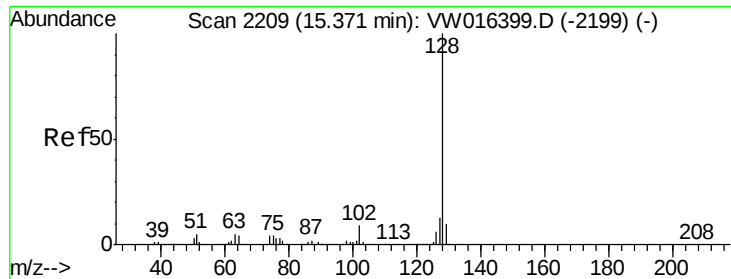
MMDadoda
 9/1/2020 12:40:16 PM



#94
 Hexachlorobutadiene
 Concen: 20.990 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW016406.D
 Acq: 31 Aug 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29730		
223	64.3	30.5	91.5	
227	60.7	30.7	92.1	





#95

Naphthalene

Concen: 18.170 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Instrument :

MSVOA_W

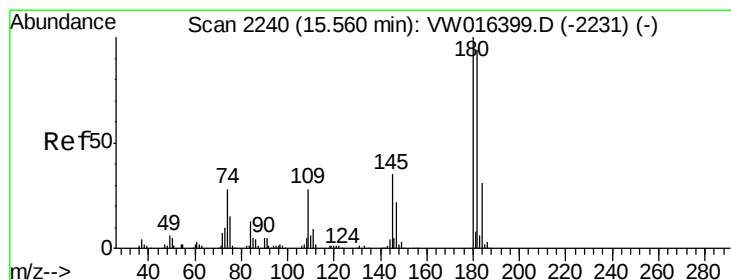
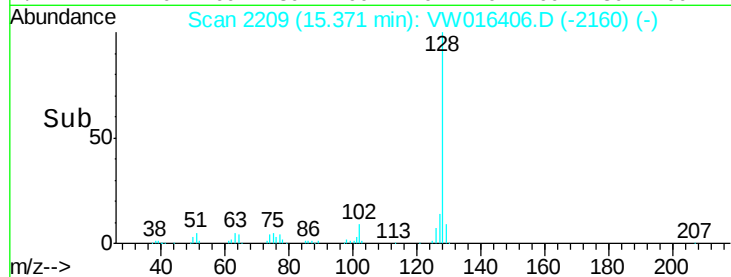
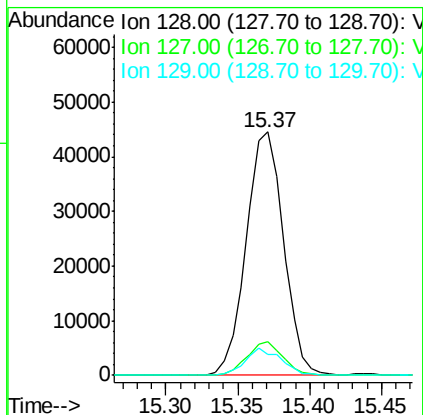
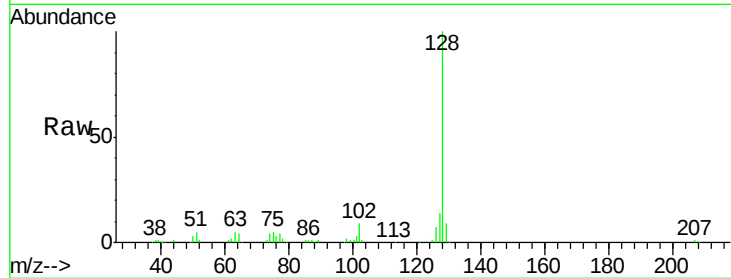
ClientSampleId :

VW0831SBS01

Tot Ion:	128	Resp:	79774
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.683 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016406.D

Acq: 31 Aug 2020 13:03

Tgt Ion:	180	Resp:	38838
Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.5	139.5
145	36.9	18.1	54.3

