

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016404.D
 Acq On : 31 Aug 2020 11:44
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 12:40:14 PM

Quant Time: Sep 01 03:07:23 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	167748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	249733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	224383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108721	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	84603	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.88	113	82157	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.32	98	312023	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.62	95	114368	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	52338	55.360	ug/l	95
3) Chloromethane	2.21	50	42242	46.445	ug/l	99
4) Vinyl Chloride	2.37	62	69943	52.762	ug/l	97
5) Bromomethane	2.78	94	51502	55.019	ug/l	99
6) Chloroethane	2.92	64	41520	52.619	ug/l	96
7) Trichlorofluoromethane	3.26	101	93647	58.429	ug/l	95
8) Diethyl Ether	3.68	74	40348	50.013	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	85909	54.914	ug/l	98
10) Methyl Iodide	4.27	142	133421	55.808	ug/l	99
11) Tert butyl alcohol	5.22	59	24467	240.660	ug/l	99
12) 1,1-Dichloroethene	4.04	96	84182	52.732	ug/l	98
13) Acrolein	3.90	56	16132	208.534	ug/l	97
14) Allyl chloride	4.67	41	104577	52.407	ug/l	98
15) Acrylonitrile	5.37	53	76104	253.368	ug/l	99
16) Acetone	4.14	43	74058	259.713	ug/l	97
17) Carbon Disulfide	4.38	76	243946	54.427	ug/l	99
18) Methyl Acetate	4.68	43	31758	48.841	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	131324	53.842	ug/l	98
20) Methylene Chloride	4.92	84	89474	49.764	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	94652	52.899	ug/l	99
22) Diisopropyl ether	6.31	45	208428	52.766	ug/l	100
23) Vinyl Acetate	6.26	43	631674	260.945	ug/l	98
24) 1,1-Dichloroethane	6.21	63	149385	52.455	ug/l	99
25) 2-Butanone	7.18	43	95643	247.210	ug/l	95
26) 2,2-Dichloropropane	7.17	77	117288	53.325	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	101601	52.410	ug/l	99
28) Bromochloromethane	7.51	49	53021	51.255	ug/l	100
29) Tetrahydrofuran	7.54	42	55788	241.551	ug/l	97
30) Chloroform	7.68	83	167897	53.073	ug/l	98
31) Cyclohexane	7.96	56	129997	49.806	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	157513	55.287	ug/l	99
36) 1,1-Dichloropropene	8.09	75	132251	55.646	ug/l	99
37) Ethyl Acetate	7.25	43	42916	53.303	ug/l	98
38) Carbon Tetrachloride	8.07	117	151357	58.119	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	166797	57.962	ug/l	98
40) Benzene	8.32	78	353531	55.562	ug/l	99
41) Methacrylonitrile	7.49	41	24180	52.160	ug/l	96
42) 1,2-Dichloroethane	8.40	62	107984	55.638	ug/l	99
43) Isopropyl Acetate	8.43	43	82357	51.257	ug/l	98
44) Trichloroethene	9.10	130	104055	54.655	ug/l	95
45) 1,2-Dichloropropane	9.37	63	79587	53.917	ug/l	98
46) Dibromomethane	9.46	93	46907	53.485	ug/l	96
47) Bromodichloromethane	9.65	83	125990	55.702	ug/l	98
48) Methyl methacrylate	9.44	41	42125	54.990	ug/l	92
49) 1,4-Dioxane	9.48	88	13582	1136.937	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	207092	260.665	ug/l	99
52) Toluene	10.39	92	238343	55.869	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	123187	56.001	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	142271	55.508	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	66977	53.564	ug/l	95
56) Ethyl methacrylate	10.65	69	79974	54.732	ug/l	99
57) 1,3-Dichloropropane	10.93	76	110648	53.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	169853	258.881	ug/l	99
59) 2-Hexanone	10.97	43	143793	265.289	ug/l	99
60) Dibromochloromethane	11.13	129	88075	55.706	ug/l	98
61) 1,2-Dibromoethane	11.24	107	67145	54.754	ug/l	97
64) Tetrachloroethene	10.87	164	85868	55.712	ug/l	97
65) Chlorobenzene	11.66	112	256013	55.400	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	98677	57.669	ug/l	99
67) Ethyl Benzene	11.73	91	472988	57.331	ug/l	99
68) m/p-Xylenes	11.84	106	361521	114.775	ug/l	97
69) o-Xylene	12.17	106	164600	56.826	ug/l	97
70) Styrene	12.18	104	283773	57.484	ug/l	100
71) Bromoform	12.35	173	48909	56.173	ug/l #	97
73) Isopropylbenzene	12.46	105	473319	59.042	ug/l	100
74) N-amyl acetate	12.27	43	75670	53.937	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	71780	54.391	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	50882m	52.926	ug/l	
77) Bromobenzene	12.75	156	104014	55.812	ug/l	99
78) n-propylbenzene	12.80	91	554303	58.900	ug/l	99
79) 2-Chlorotoluene	12.89	91	318209	57.415	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	407410	57.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	23783	54.924	ug/l	99
82) 4-Chlorotoluene	12.99	91	331066	57.135	ug/l	99
83) tert-Butylbenzene	13.21	119	348764	59.041	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	410493	58.533	ug/l	100
85) sec-Butylbenzene	13.38	105	488098	59.675	ug/l	99
86) p-Isopropyltoluene	13.50	119	453565	59.400	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	204069	57.046	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	200157	55.613	ug/l	99
89) n-Butylbenzene	13.82	91	396499	56.558	ug/l	97
90) Hexachloroethane	14.09	117	83177	58.016	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	177730	55.464	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12719	53.022	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	117238	55.113	ug/l	97
94) Hexachlorobutadiene	15.24	225	70664	55.642	ug/l	96
95) Naphthalene	15.37	128	214393	54.463	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	102007	54.729	ug/l	97

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

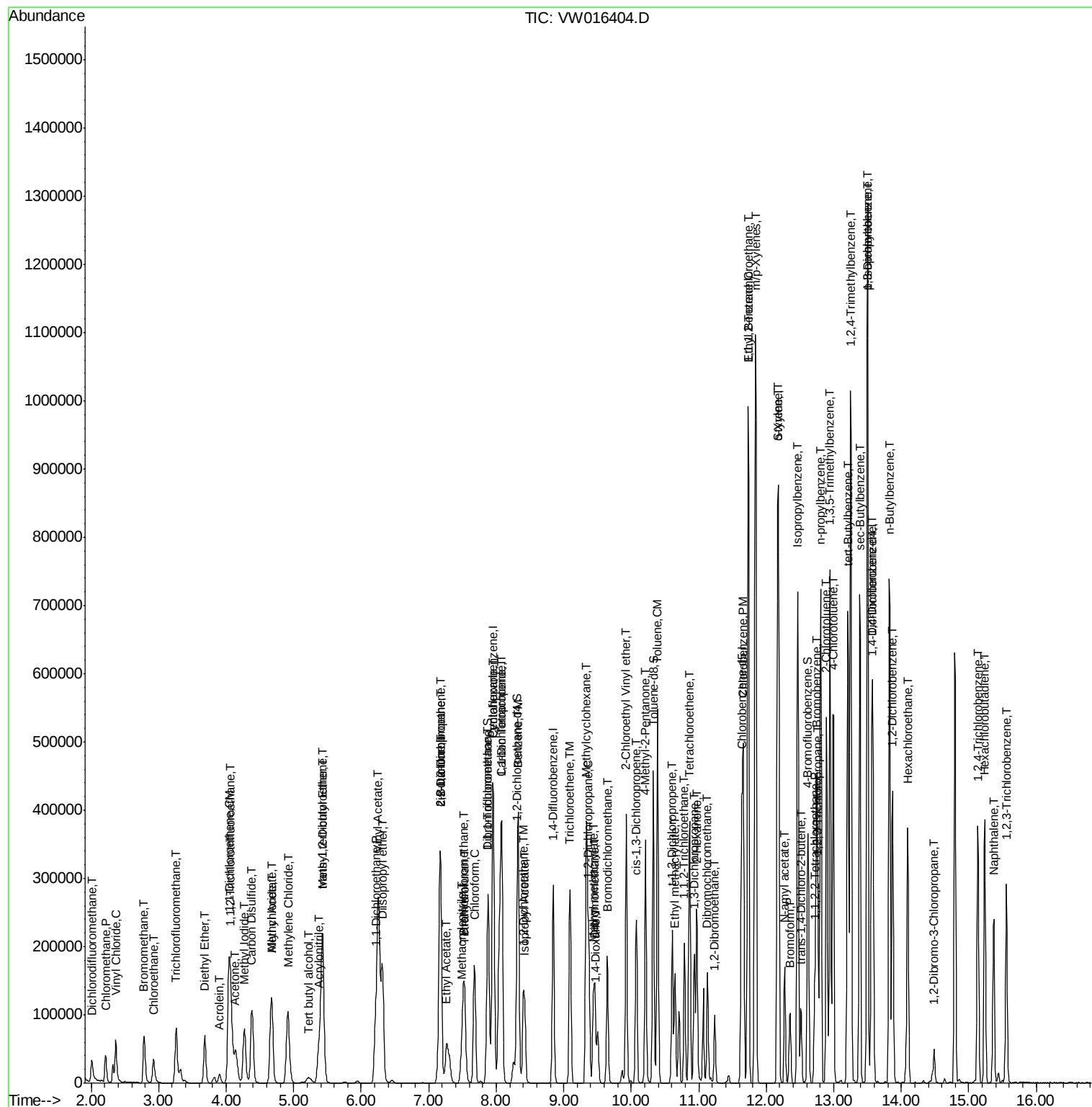
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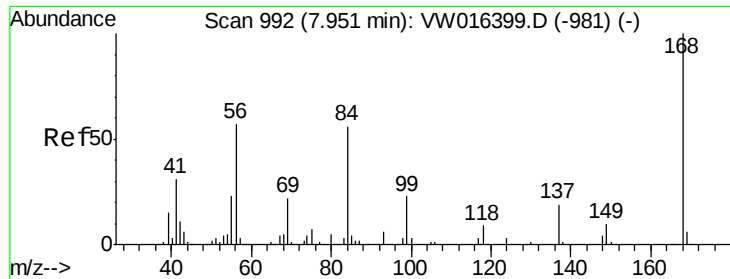
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Tot Ion: 168 Resp: 167748

Ion Ratio Lower Upper

168 100

99 60.5 49.0 73.4

Instrument :

MSVOA_W

ClientSampled :

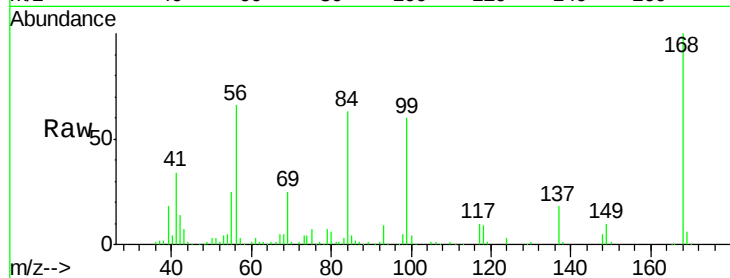
VSTDCCC050

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

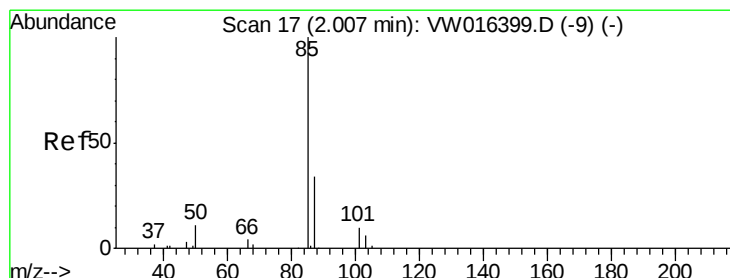
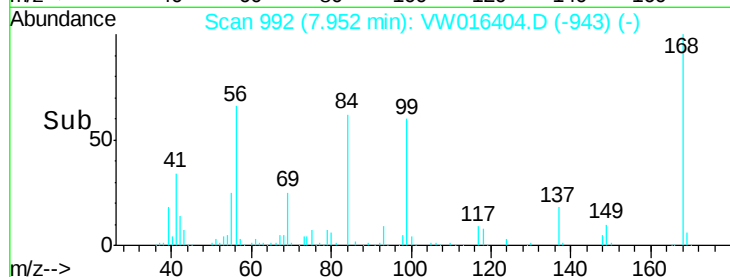
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 55.360 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016404.D

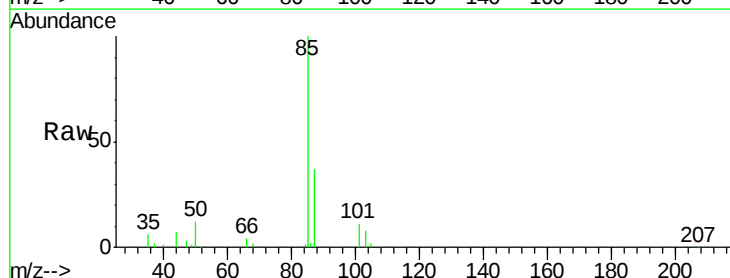
Acq: 31 Aug 2020 11:44

Tgt Ion: 85 Resp: 52338

Ion Ratio Lower Upper

85 100

87 37.1 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

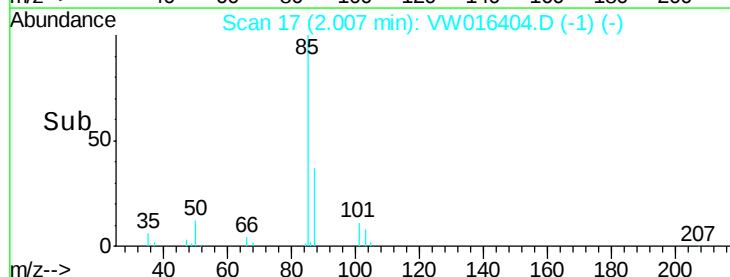
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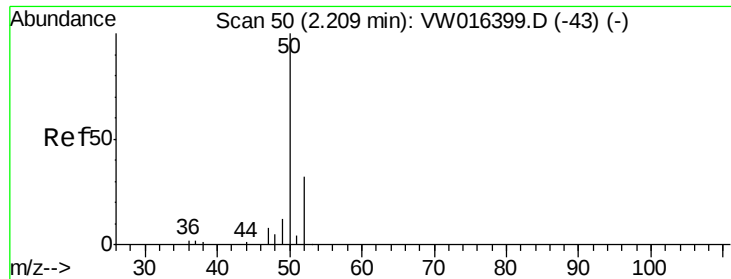
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 46.445 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 42242

Ion Ratio Lower Upper

50 100

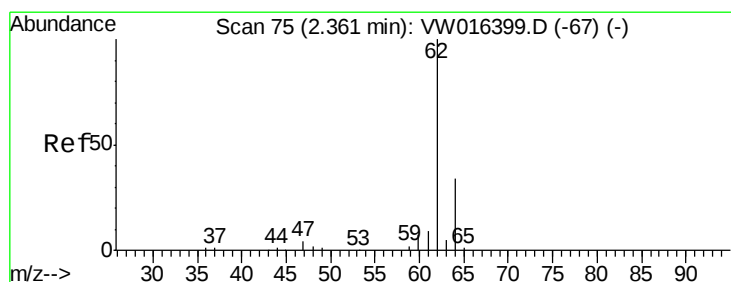
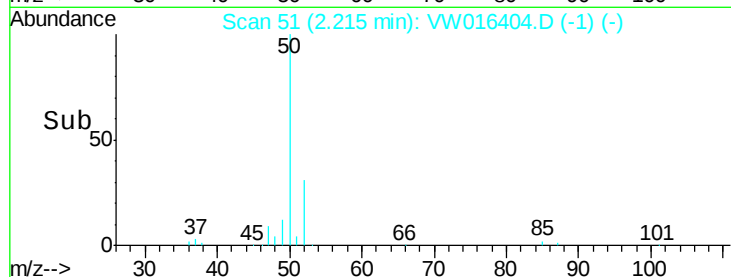
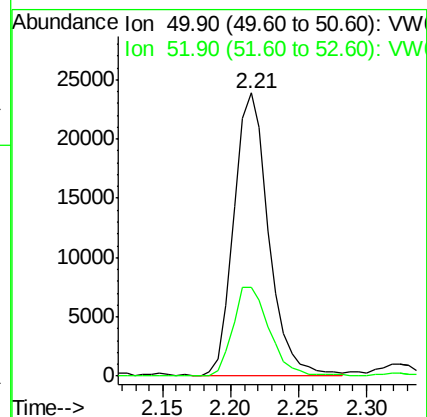
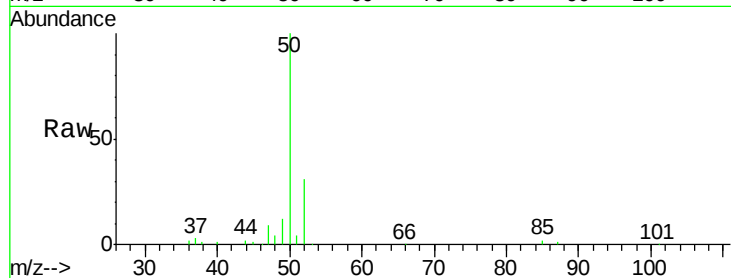
52 31.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.762 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW016404.D

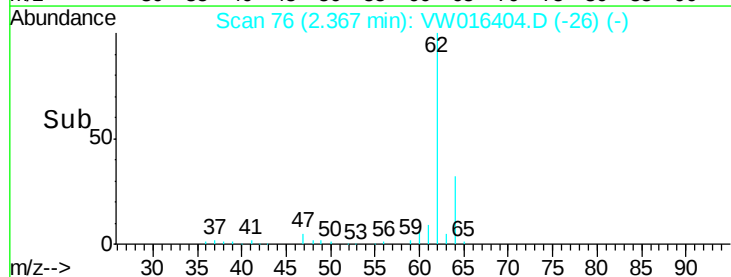
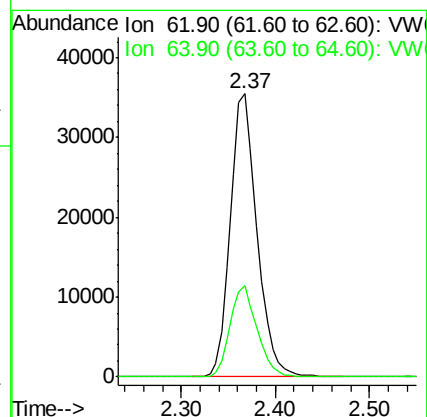
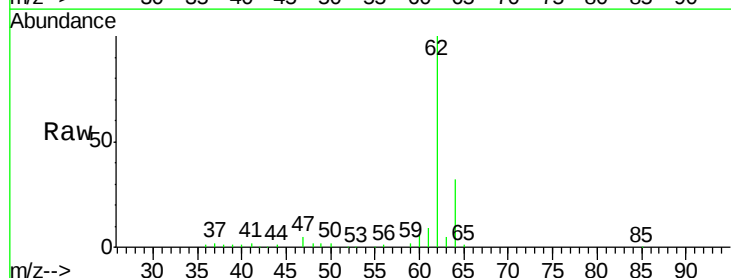
Acq: 31 Aug 2020 11:44

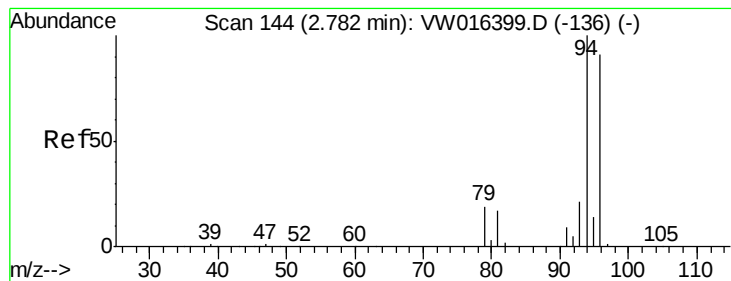
Tgt Ion: 62 Resp: 69943

Ion Ratio Lower Upper

62 100

64 32.1 27.2 40.8





#5

Bromomethane

Concen: 55.019 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Tot Ion: 94 Resp: 51502

Ion Ratio Lower Upper

94 100

96 90.1 72.6 109.0

Instrument :

MSVOA_W

ClientSampled :

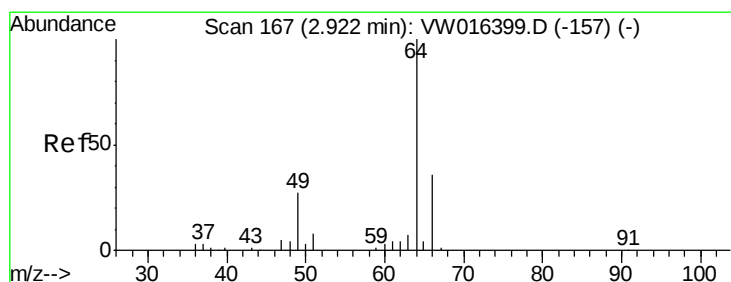
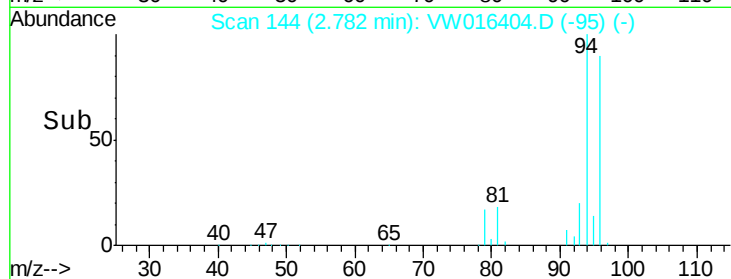
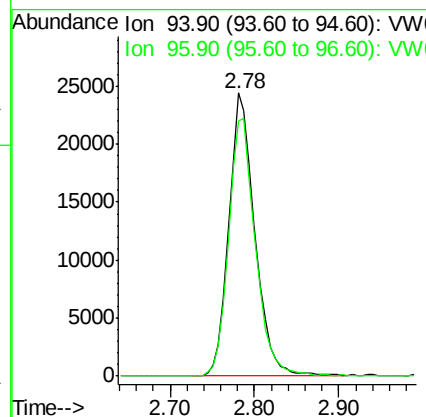
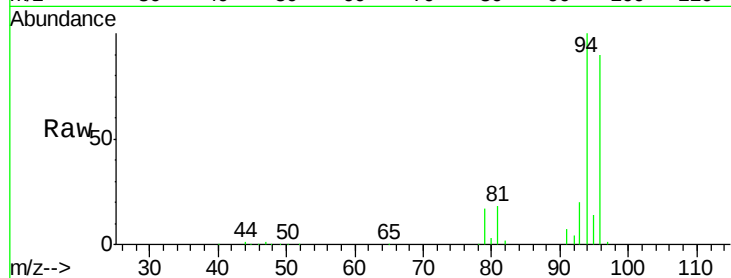
VSTDCCC050

Manual Integrations

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#6

Chloroethane

Concen: 52.619 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW016404.D

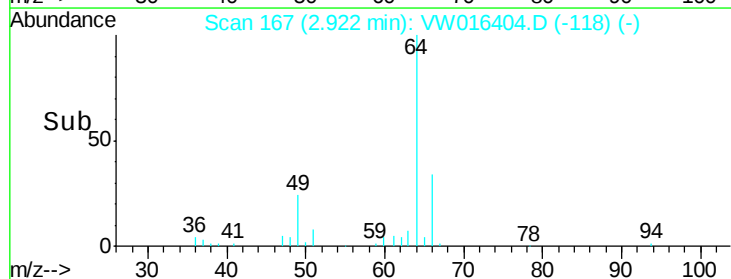
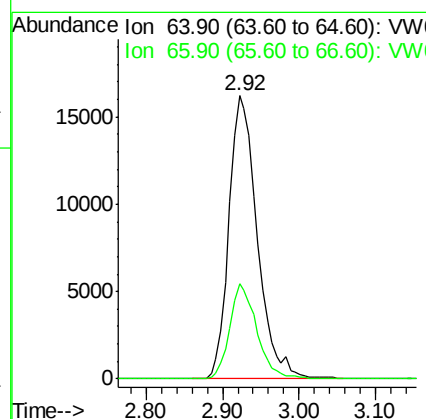
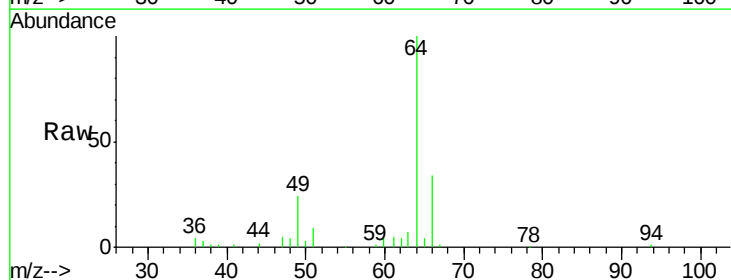
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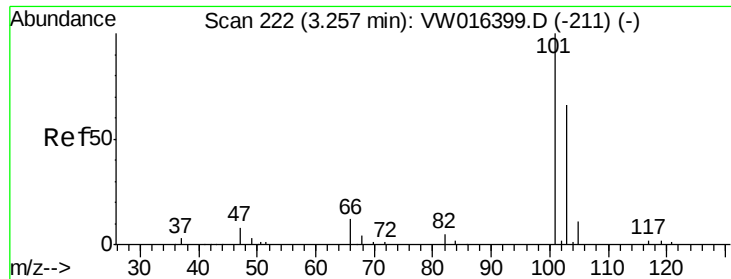
Tgt Ion: 64 Resp: 41520

Ion Ratio Lower Upper

64 100

66 33.7 28.7 43.1





#7

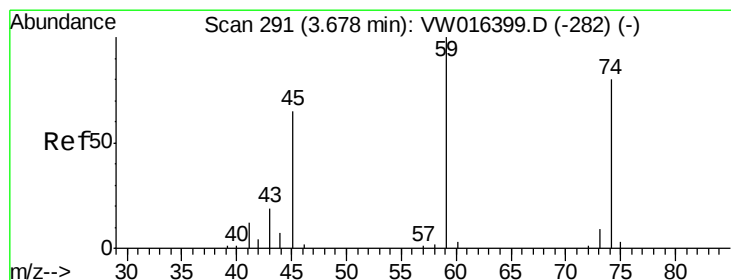
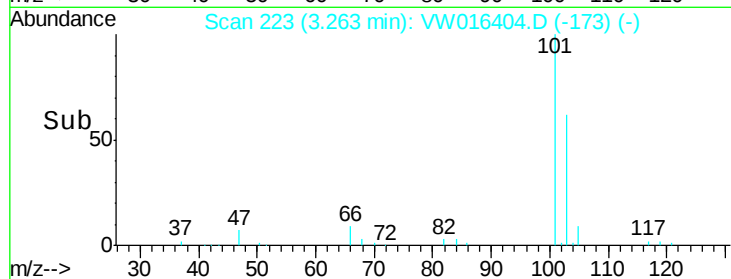
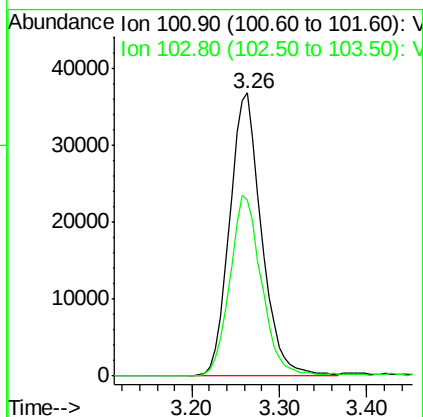
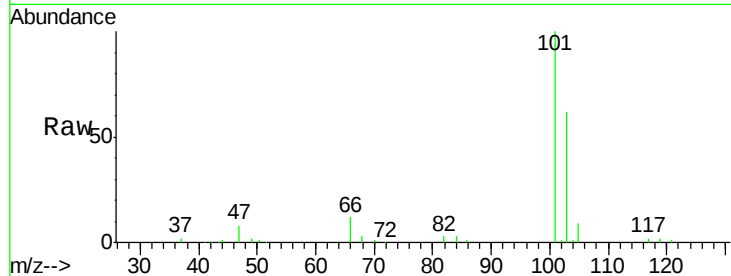
Trichlorofluoromethane
 Concen: 58.429 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW016404.D
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Tot Ion	101	Resp	93647
Ion Ratio	Lower	Upper	
101	100		
103	62.1	53.0	79.4

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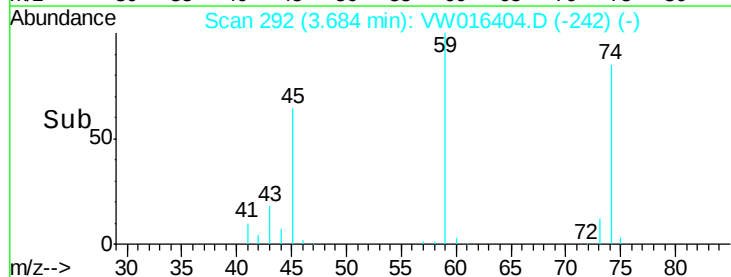
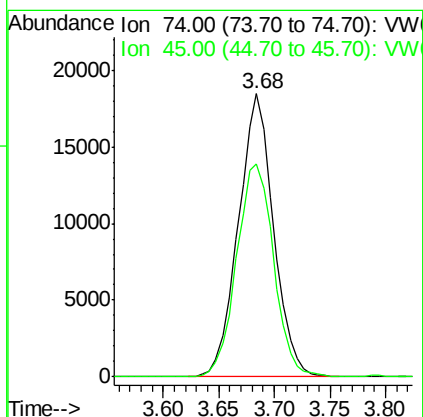
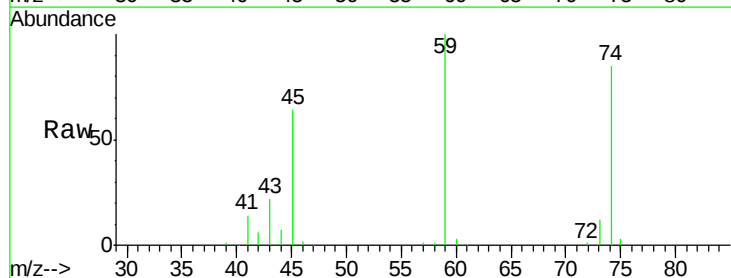
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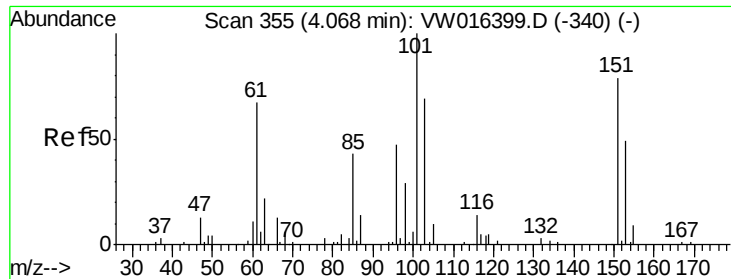


#8

Diethyl Ether
 Concen: 50.013 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW016404.D
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Tgt Ion	74	Resp	40348
Ion Ratio	Lower	Upper	
74	100		
45	79.8	42.0	126.0





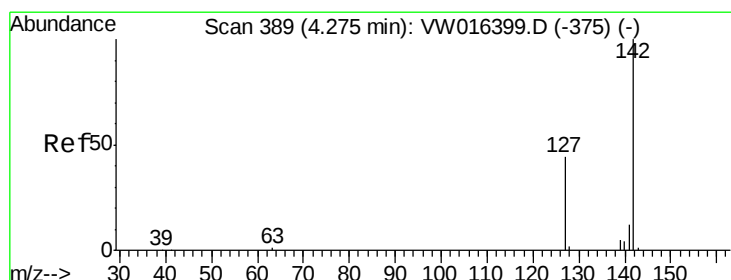
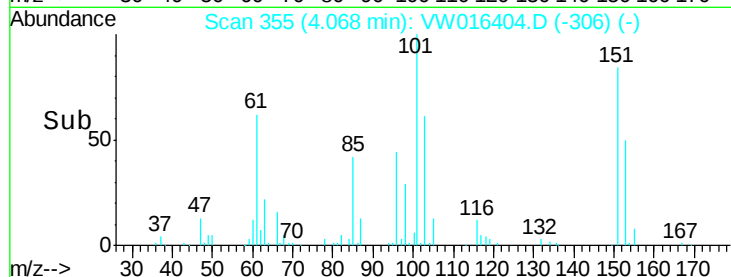
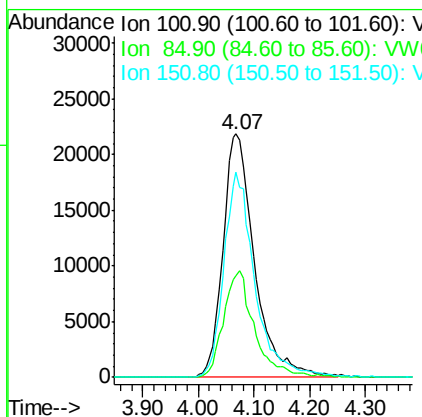
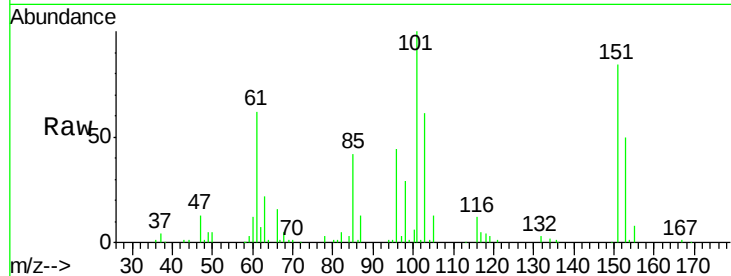
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 54.914 ug/l
 RT: 4.07 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	85909		
85	42.4		34.2	51.2
151	82.8		63.8	95.8

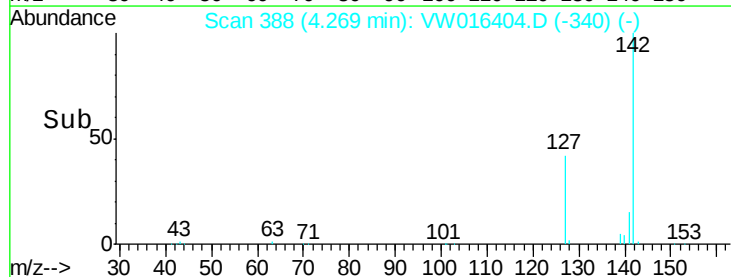
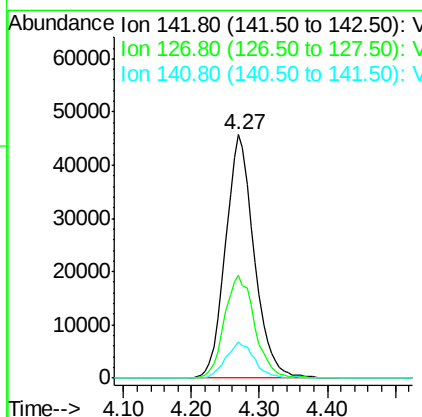
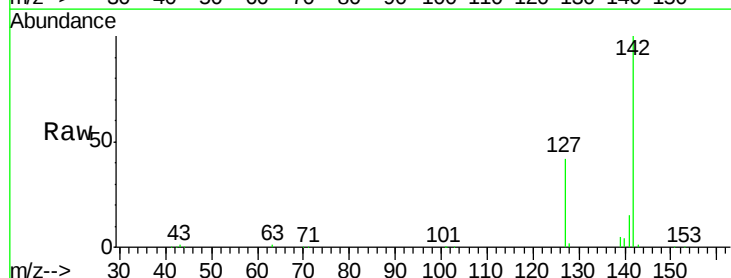
Manual Integrations
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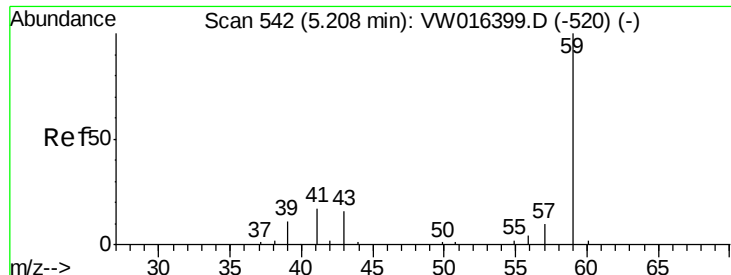
MMDadoda
 9/1/2020 12:40:14 PM



#10
 Methyl Iodide
 Concen: 55.808 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	133421		
127	44.7		36.2	54.4
141	14.7		11.8	17.6





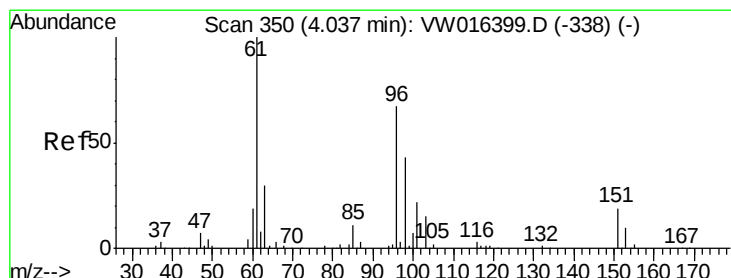
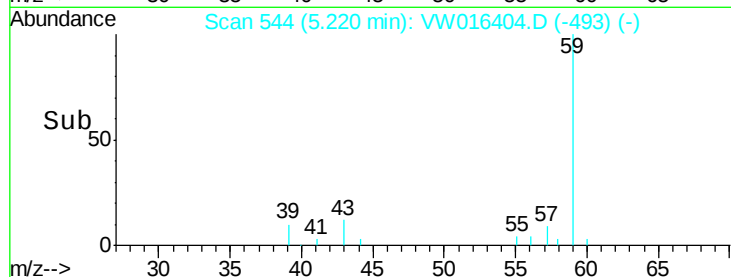
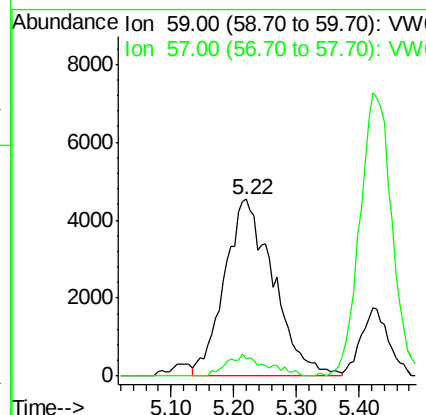
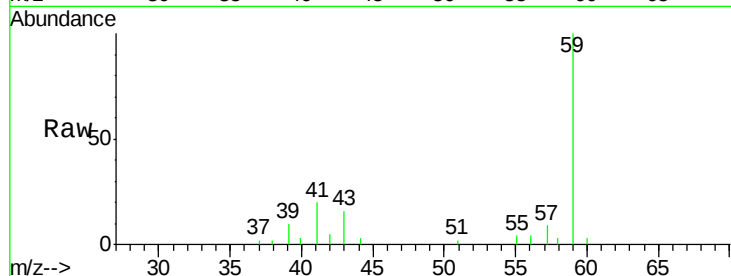
#11
Tert butyl alcohol
Concen: 240.660 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	59	57	Ratio	100	9.9	Resp	24467	Lower	Upper
59	100								
57		9.9						8.2	12.4

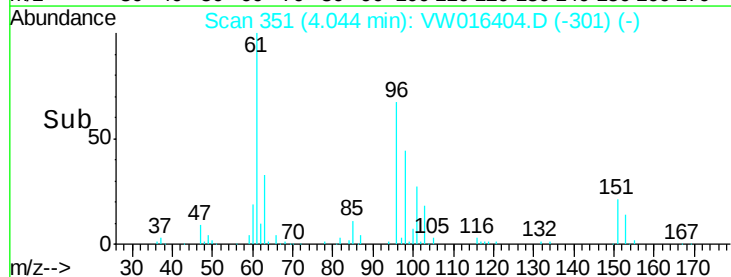
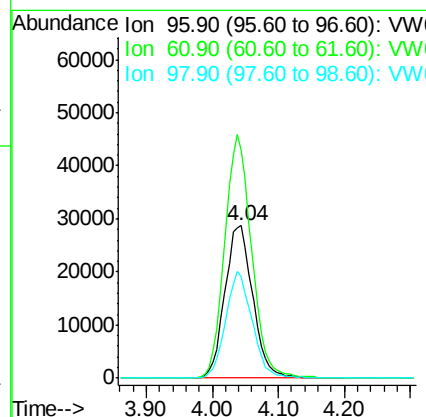
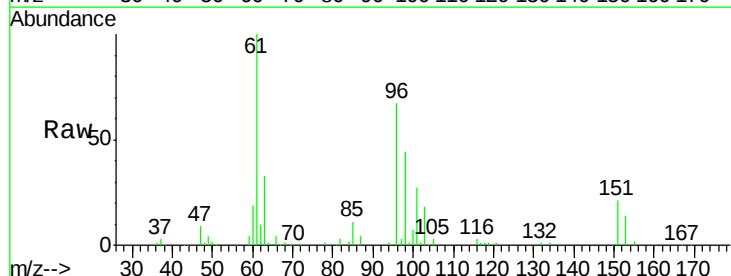
Manual Integrations
APPROVED

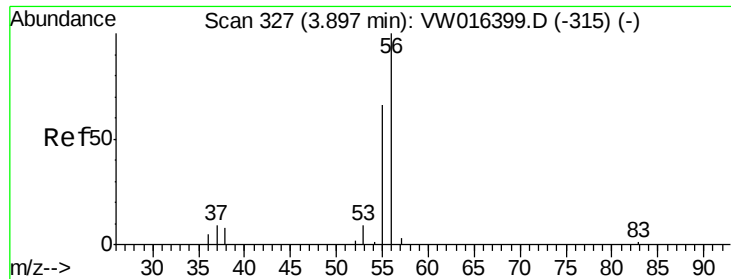
MMDadoda
9/1/2020 12:40:14 PM



#12
1,1-Dichloroethene
Concen: 52.732 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	96	61	98	Ratio	100	150.1	66.3	Resp	84182	Lower	Upper
96	100										
61		150.1								119.0	178.4
98		66.3								50.6	76.0





#13

Acrolein

Concen: 208.534 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 16132

Ion Ratio Lower Upper

56 100

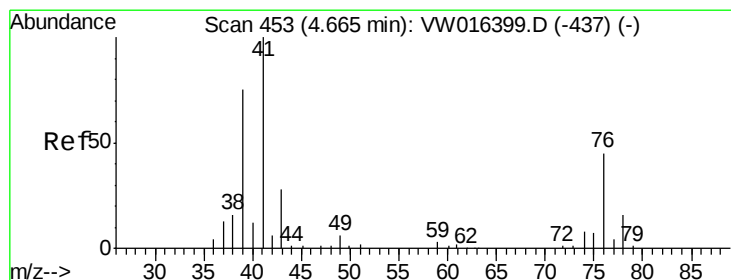
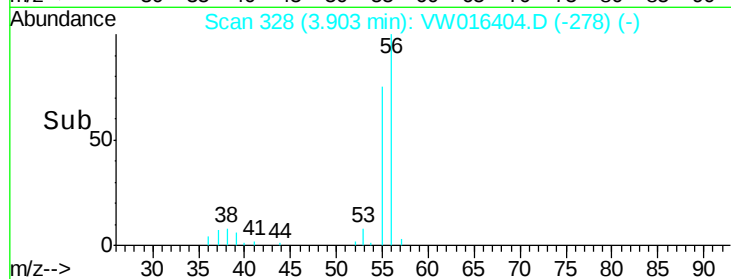
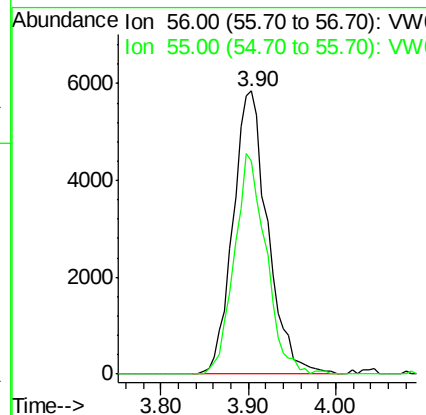
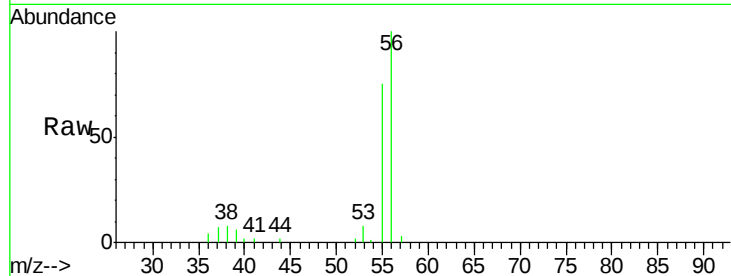
55 71.0 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 52.407 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

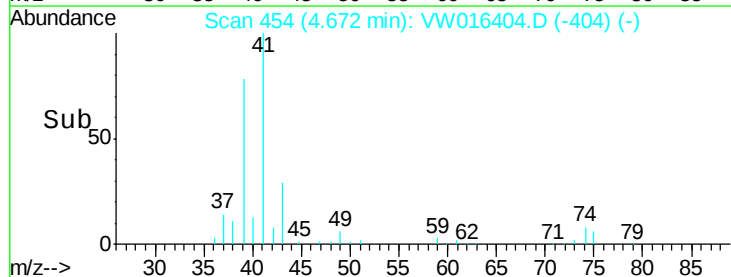
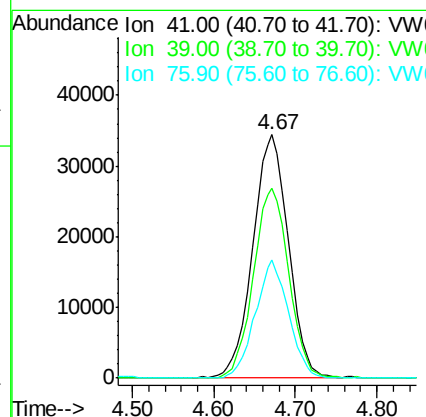
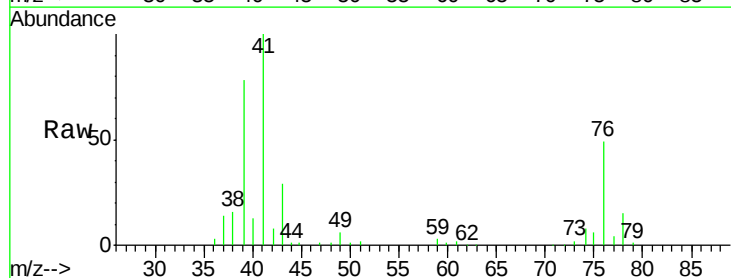
Tgt Ion: 41 Resp: 104577

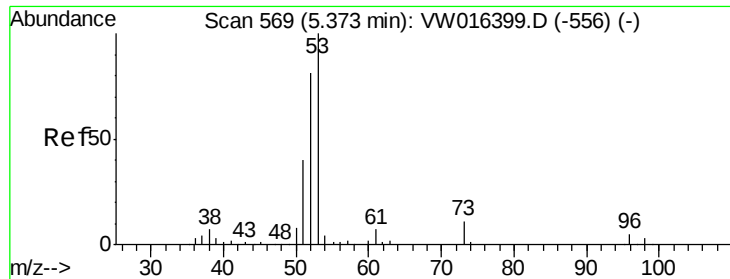
Ion Ratio Lower Upper

41 100

39 77.6 60.2 90.2

76 45.3 35.7 53.5





#15

Acrylonitrile

Concen: 253.368 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

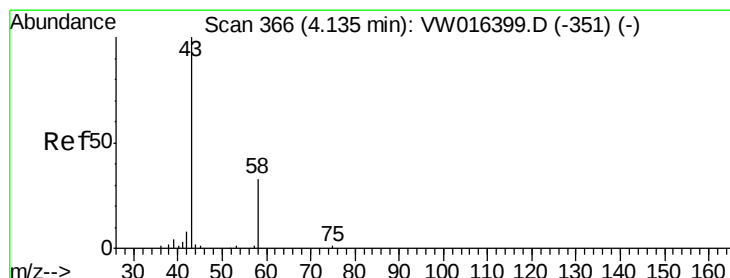
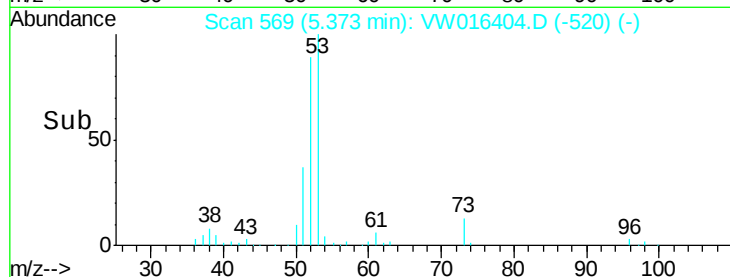
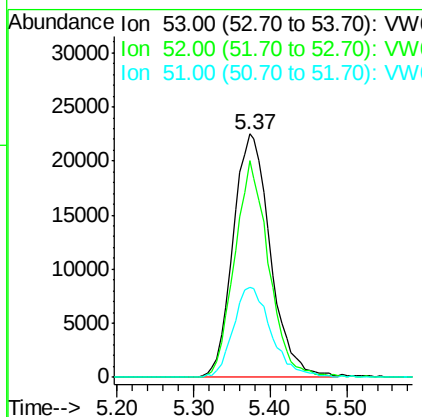
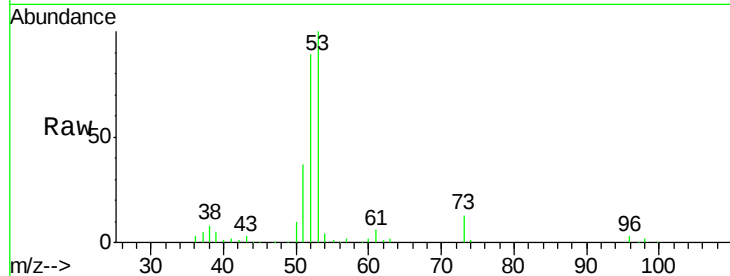
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	76104
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	37.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 259.713 ug/l

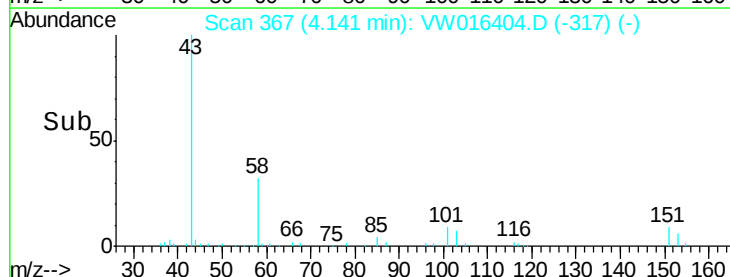
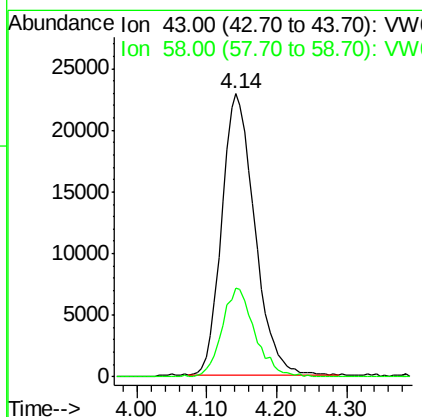
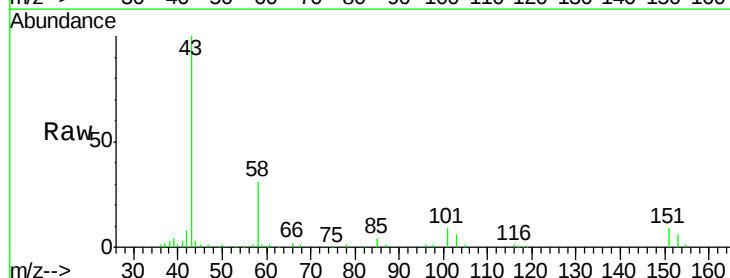
RT: 4.14 min Scan# 367

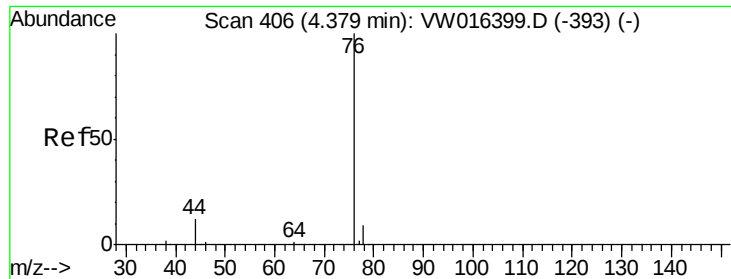
Delta R.T. 0.01 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Tgt Ion:	43	Resp:	74058
Ion	Ratio	Lower	Upper
43	100		
58	31.4	26.6	39.8





#17

Carbon Disulfide

Concen: 54.427 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 243946

Ion Ratio Lower Upper

76 100

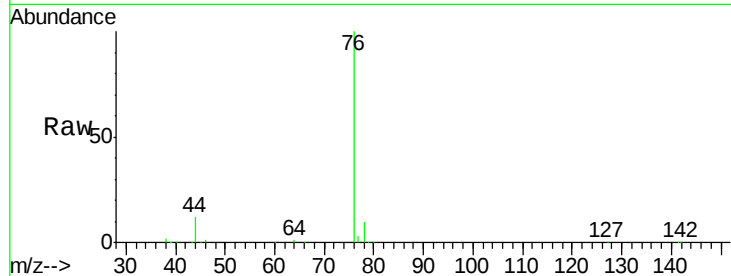
78 9.6 7.4 11.2

Manual Integrations

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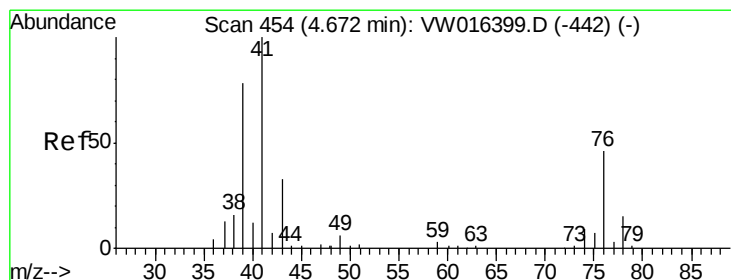
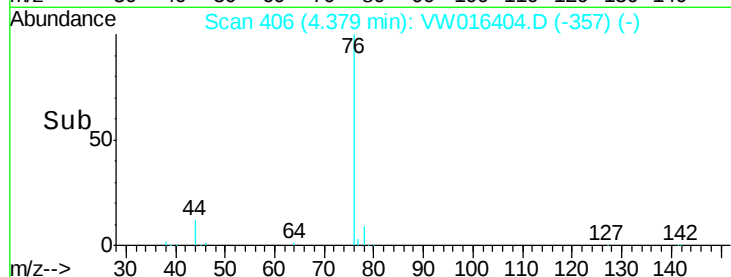
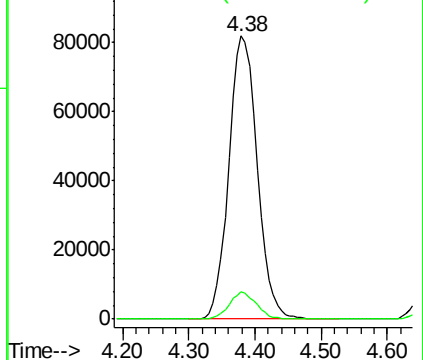
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 48.841 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016404.D

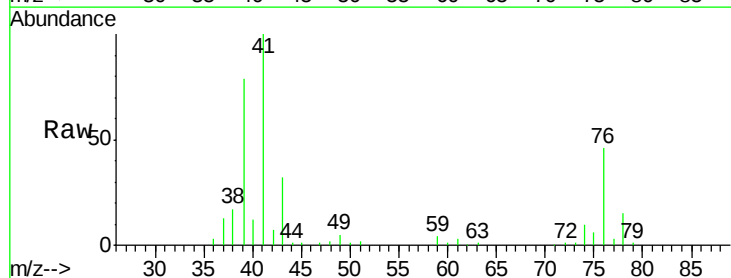
Acq: 31 Aug 2020 11:44

Tgt Ion: 43 Resp: 31758

Ion Ratio Lower Upper

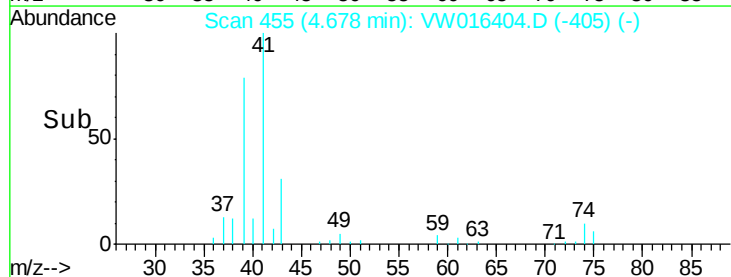
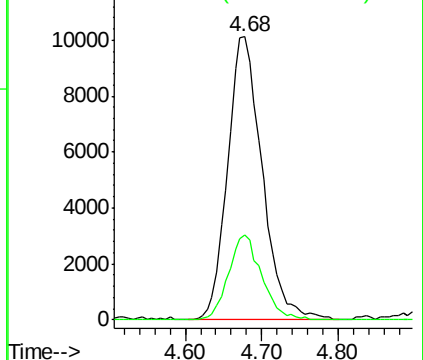
43 100

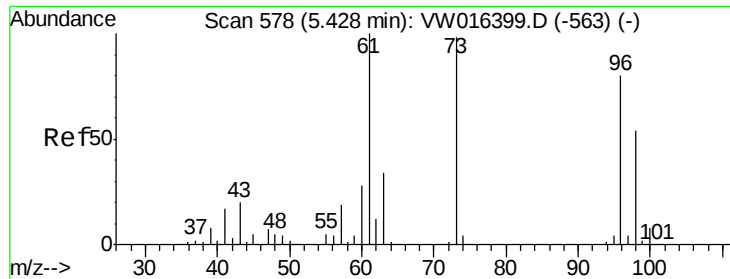
74 28.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





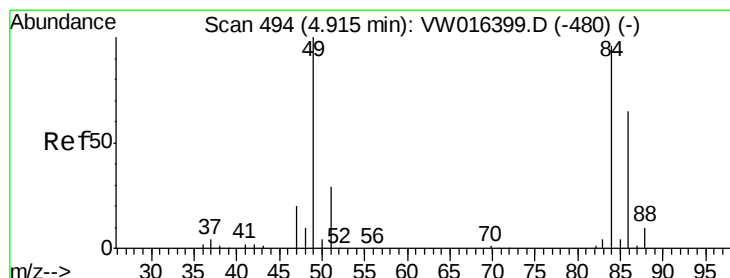
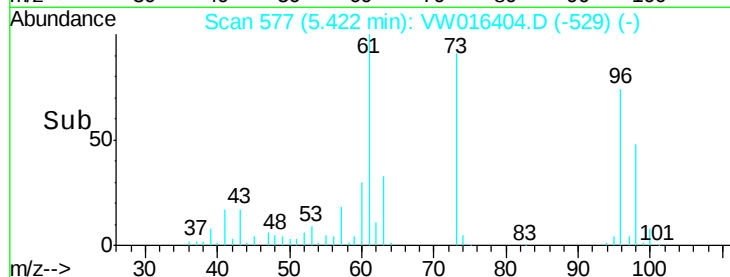
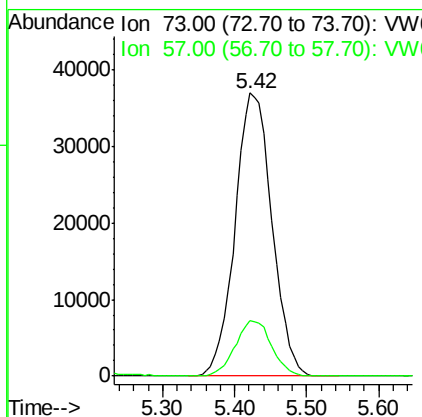
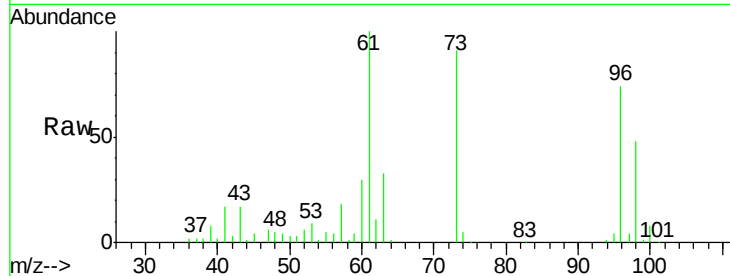
#19
Methvl tert-butvl Ether
Concen: 53.842 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 131324
Ion Ratio Lower Upper
73 100
57 19.7 15.0 22.6

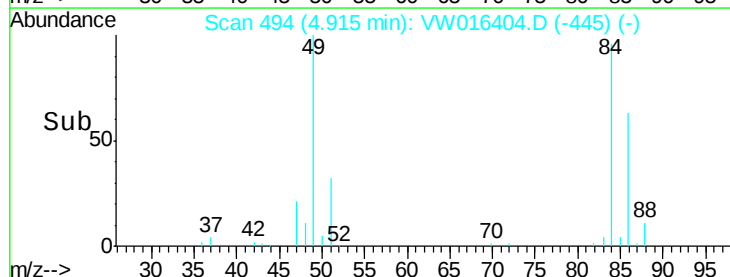
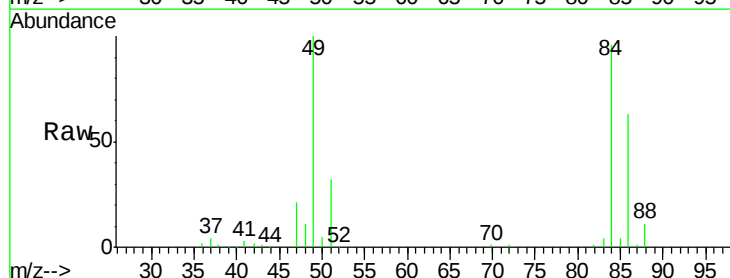
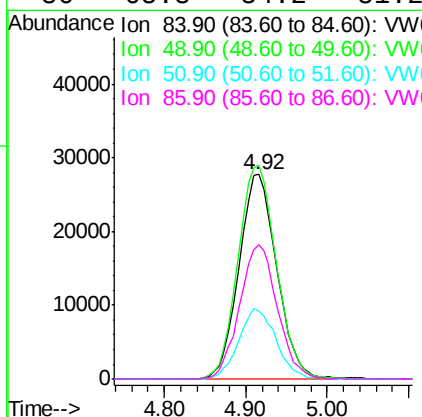
Manual Integrations
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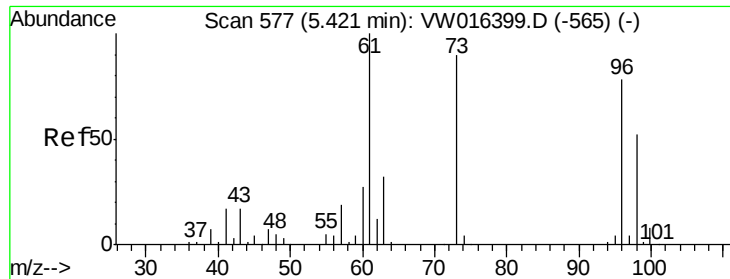
MMDadoda
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#20
Methylene Chloride
Concen: 49.764 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion: 84 Resp: 89474
Ion Ratio Lower Upper
84 100
49 104.4 83.2 124.8
51 33.4 24.4 36.6
86 65.8 54.2 81.2





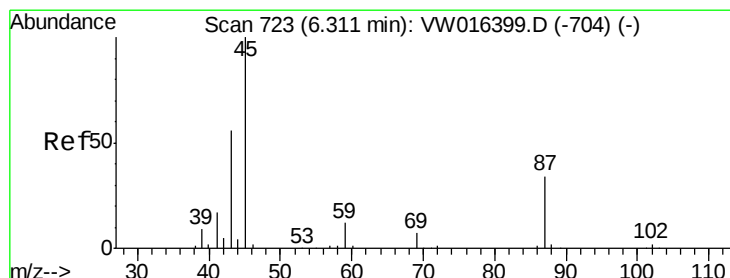
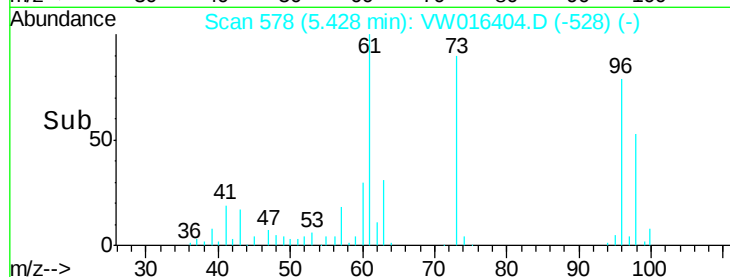
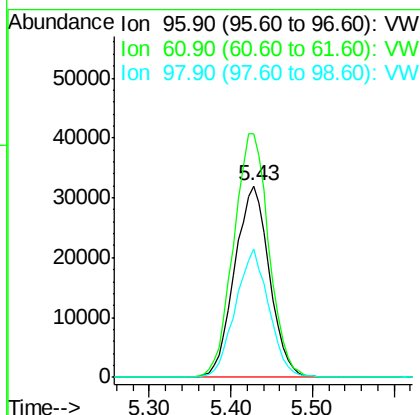
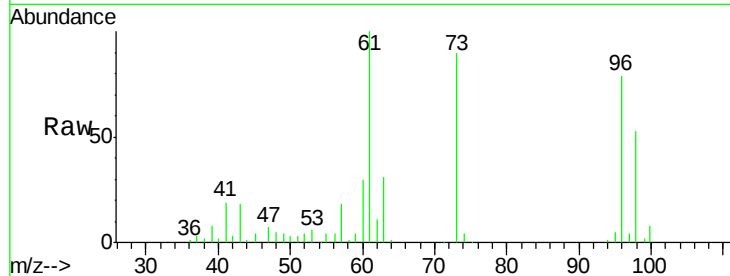
#21
trans-1,2-Dichloroethene
Concen: 52.899 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.9	103.0	154.6
98	67.0	53.8	80.6

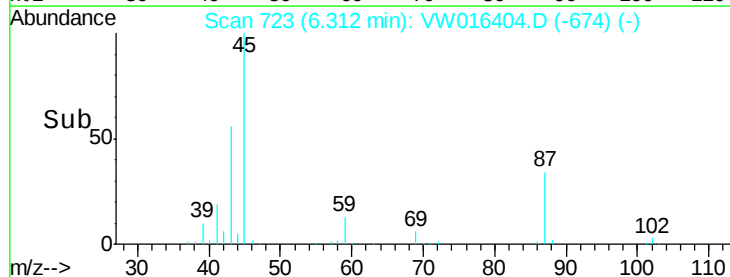
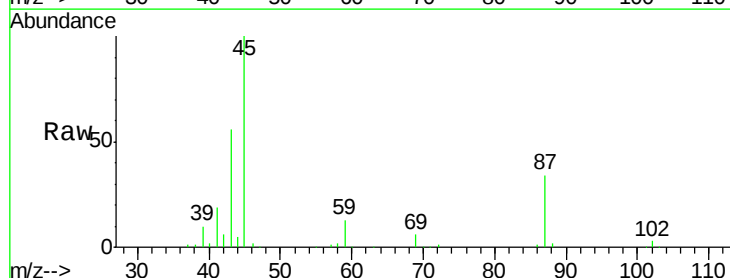
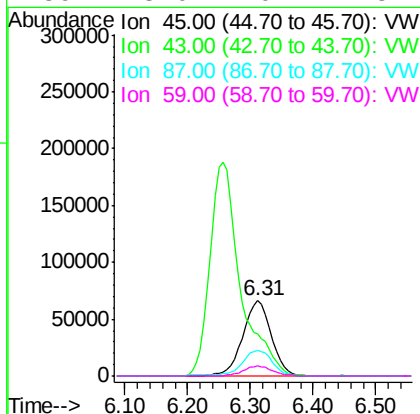
Manual Integrations
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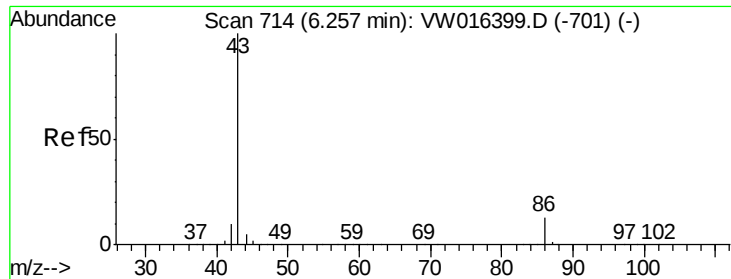
MMDadoda
9/1/2020 12:40:14 PM



#22
Diisopropyl ether
Concen: 52.766 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.6	44.6	67.0
87	34.0	27.5	41.3
59	13.0	10.2	15.2





#23

Vinyl Acetate

Concen: 260.945 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 631674

Ion Ratio Lower Upper

43 100

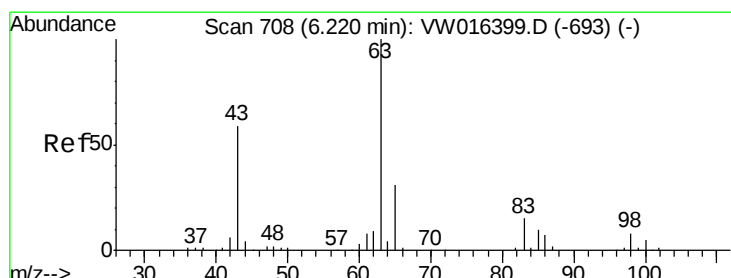
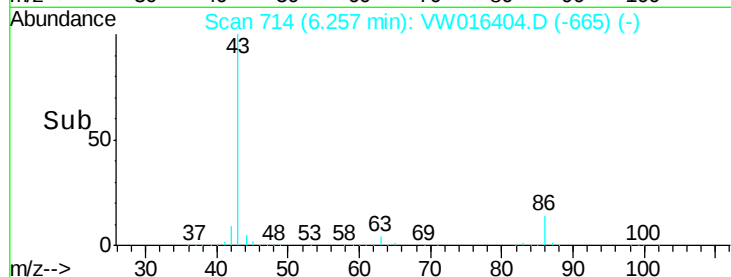
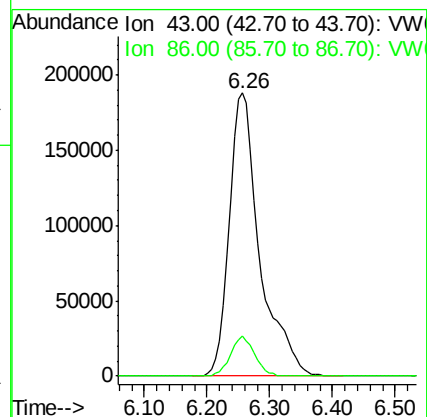
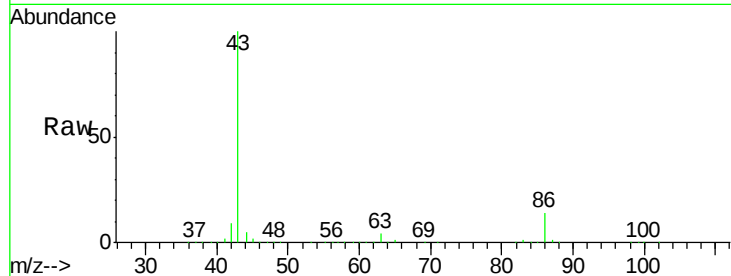
86 14.0 10.6 15.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 52.455 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

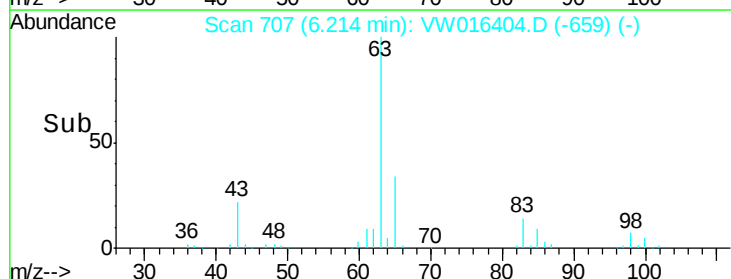
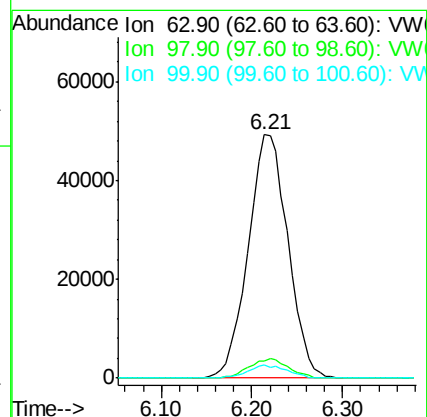
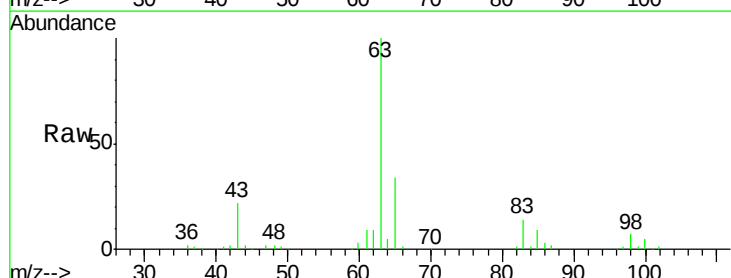
Tgt Ion: 63 Resp: 149385

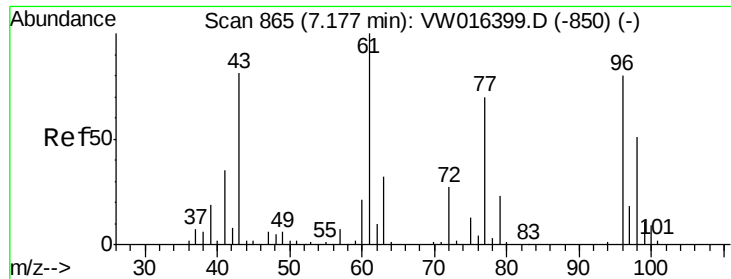
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 5.3 2.5 7.5





#25

2-Butanone

Concen: 247.210 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 95643

Ion Ratio Lower Upper

43 100

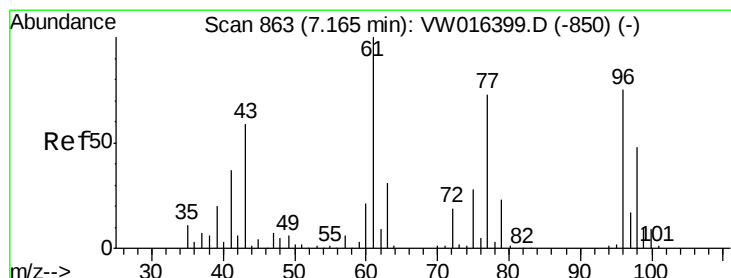
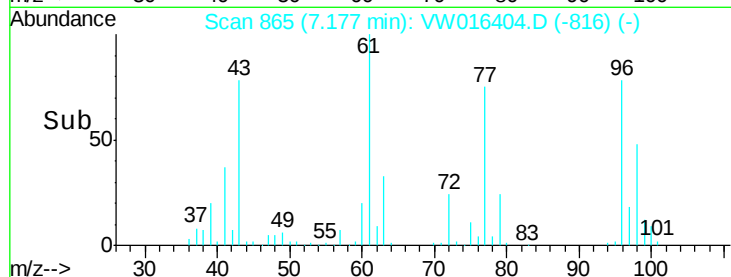
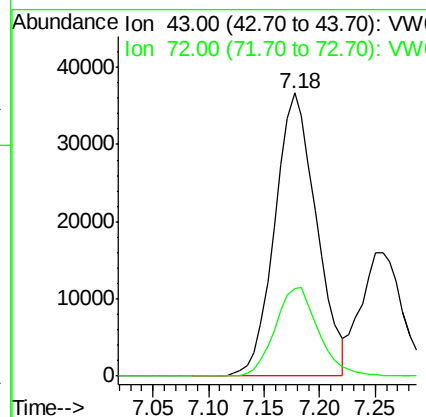
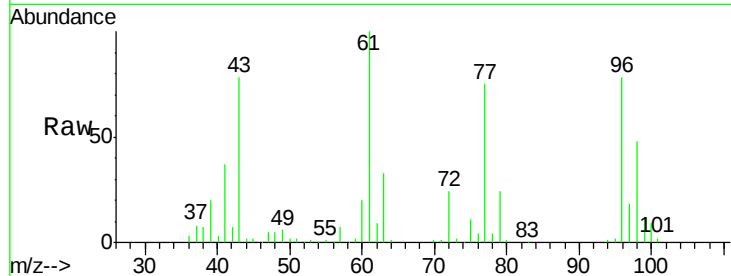
72 30.8 26.7 40.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.325 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW016404.D

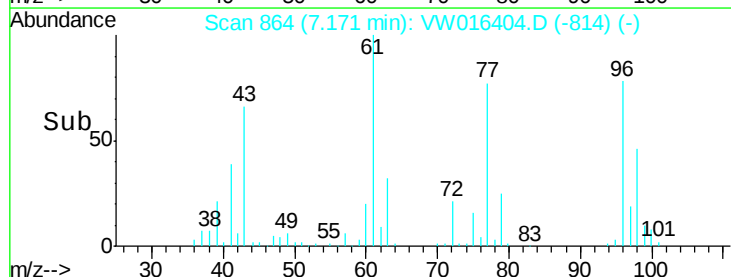
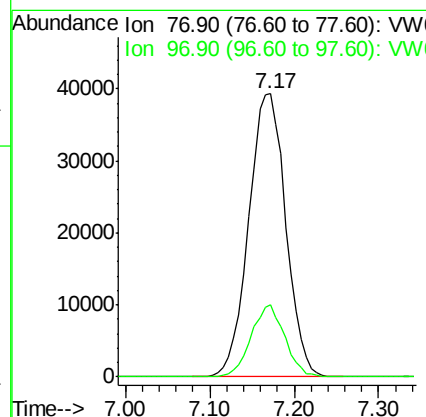
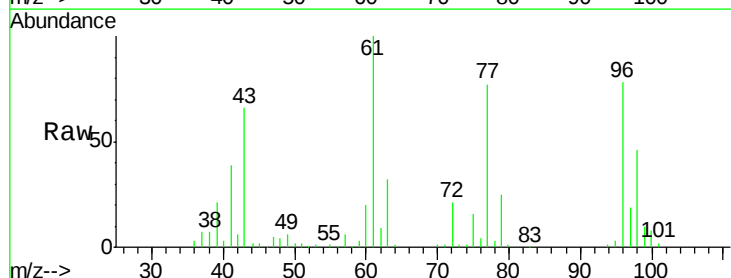
Acq: 31 Aug 2020 11:44

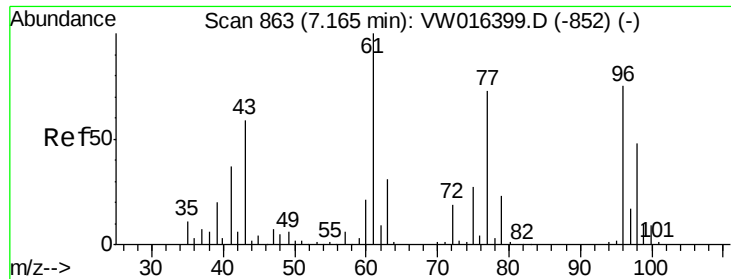
Tgt Ion: 77 Resp: 117288

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

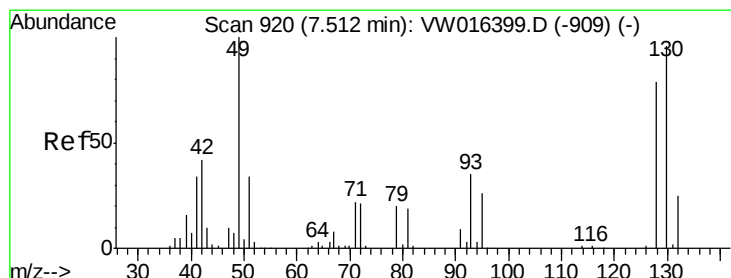
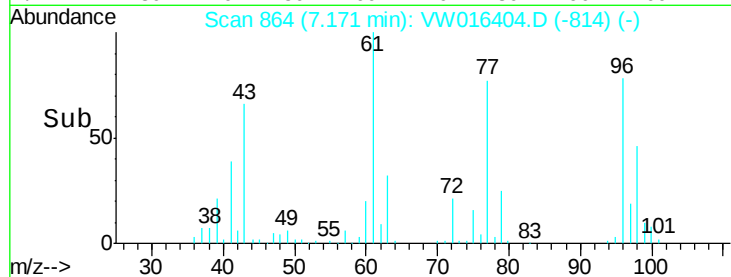
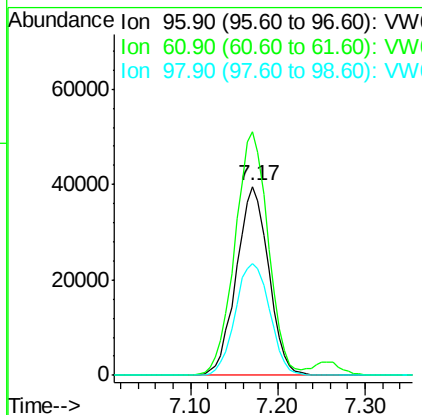
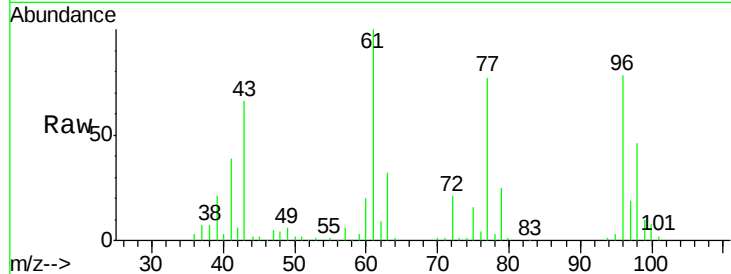
cis-1,2-Dichloroethene
 Concen: 52.410 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	101601		
61	133.1	0.0	268.6	
98	63.1	0.0	130.0	

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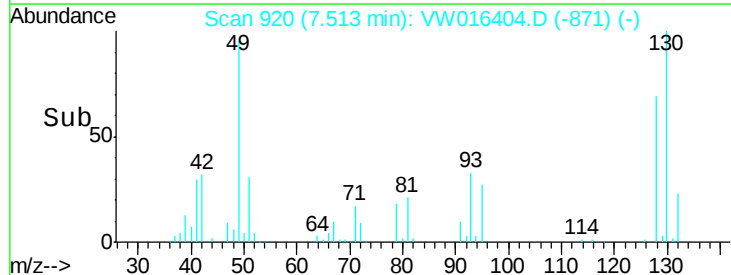
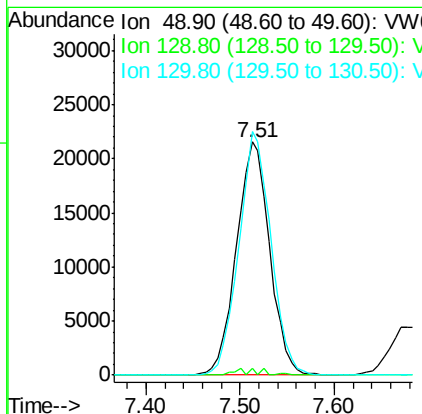
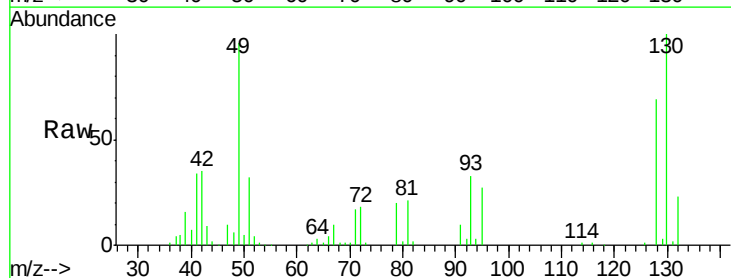
MMDadoda
 9/1/2020 12:40:14 PM

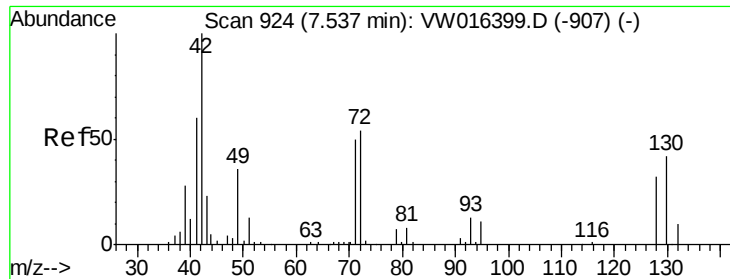


#28

Bromochloromethane
 Concen: 51.255 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53021		
129	0.9	0.0	1.8	
130	101.1	80.8	121.2	





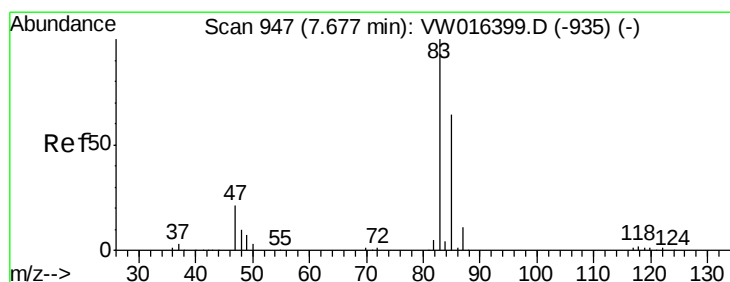
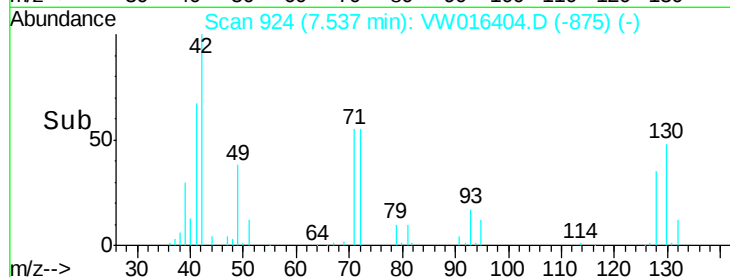
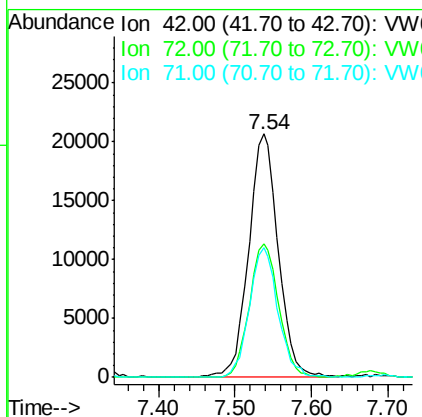
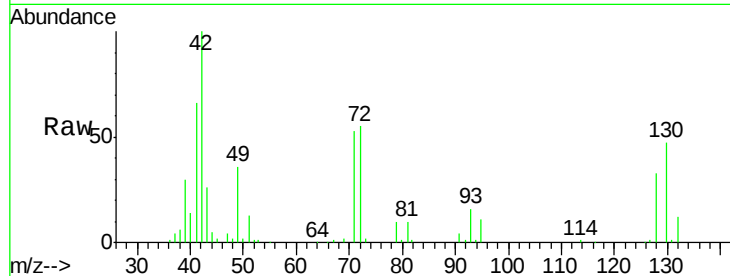
#29
Tetrahydrofuran
Concen: 241.551 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.6	42.3	63.5
71	51.5	39.5	59.3

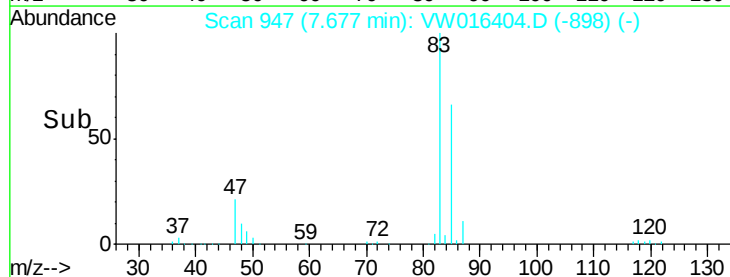
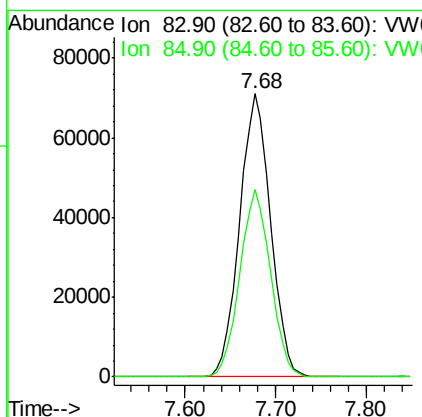
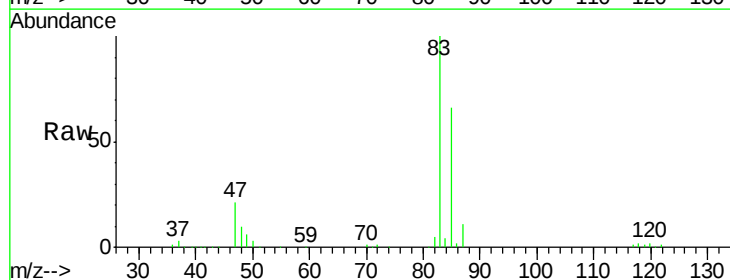
Manual Integrations
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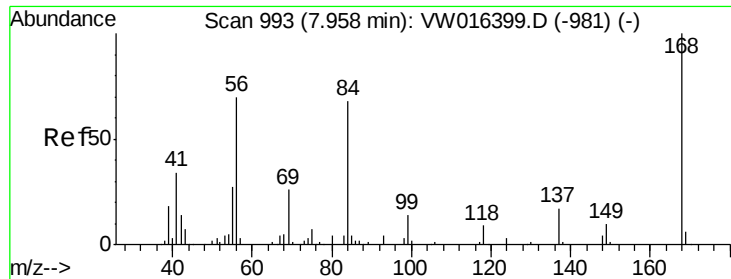
MMDadoda
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#30
Chloroform
Concen: 53.073 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.6	77.4





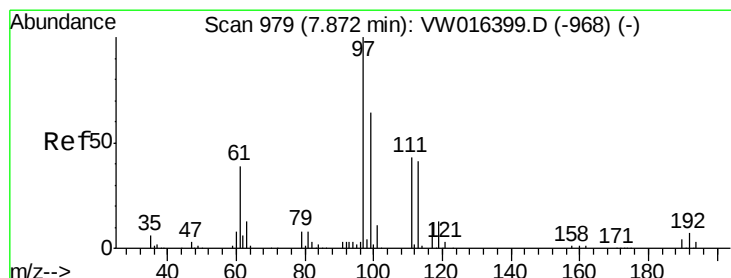
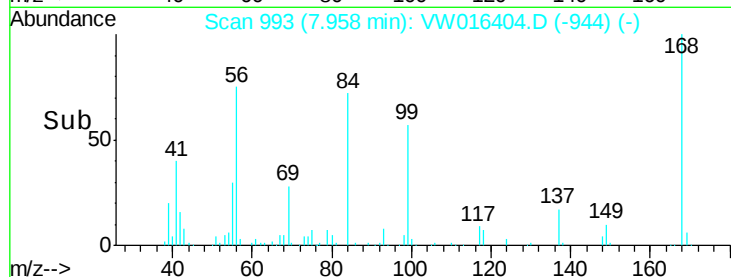
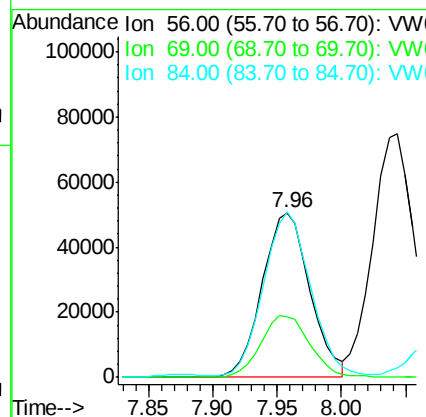
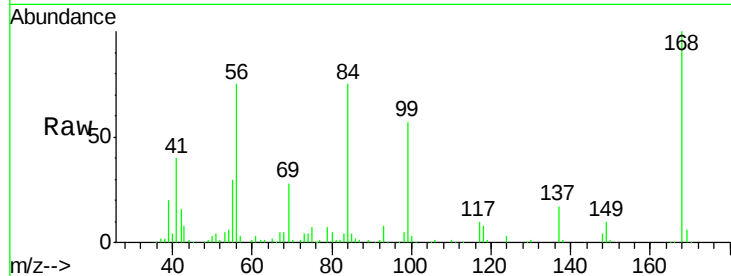
#31
Cyclohexane
Concen: 49.806 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	30.0	45.0
84	98.5	77.4	116.2

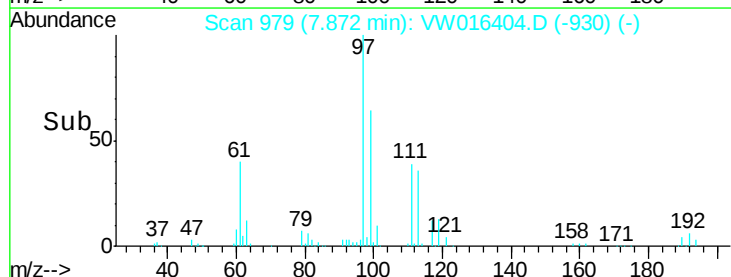
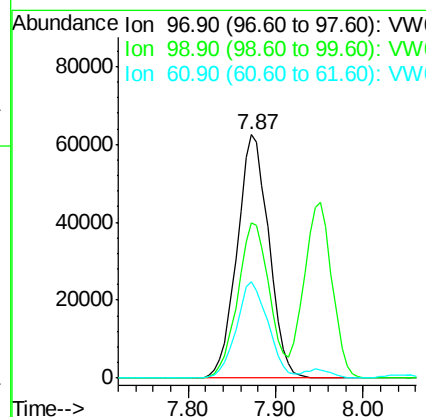
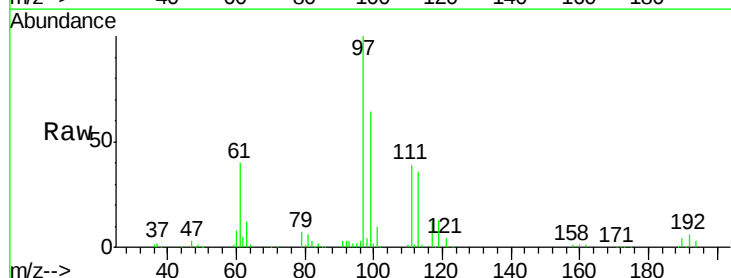
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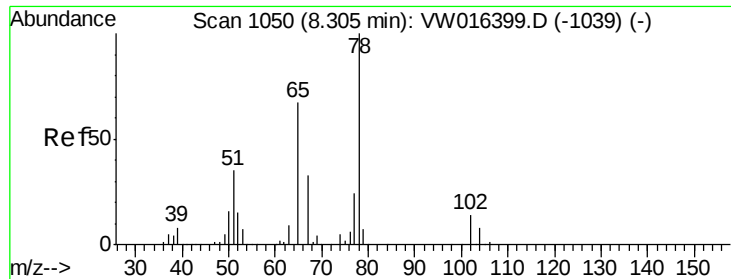
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 55.287 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	39.8	31.0	46.6





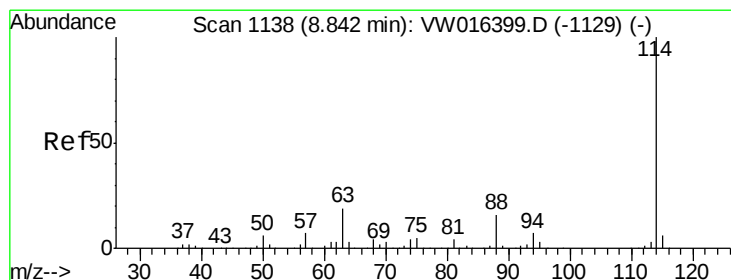
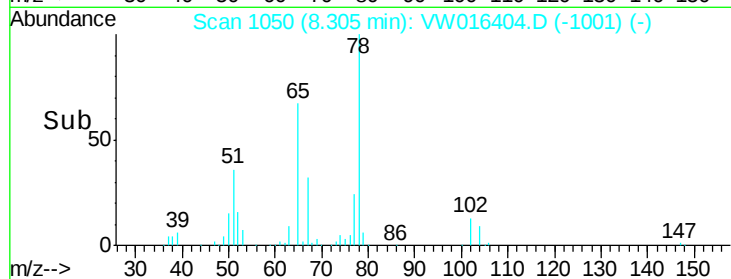
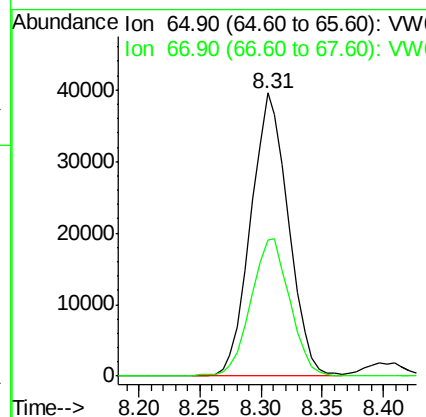
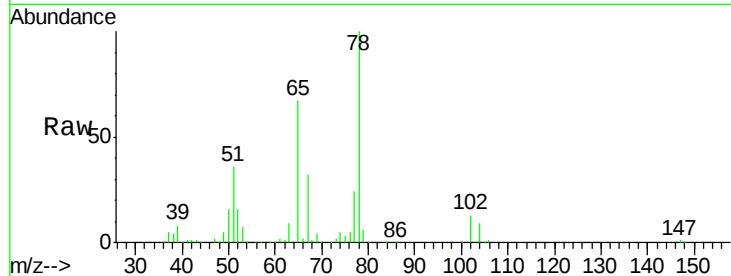
#33
 1,2-Dichloroethane-d4
 Concen: 50.382 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.4	0.0	100.2	

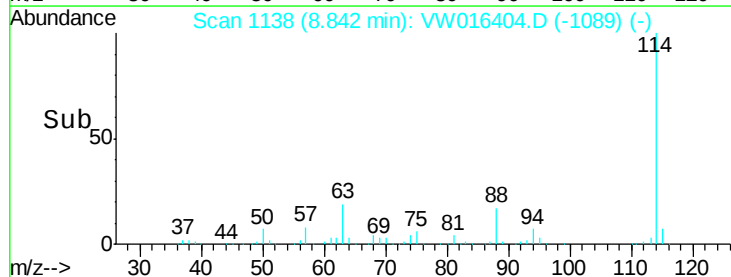
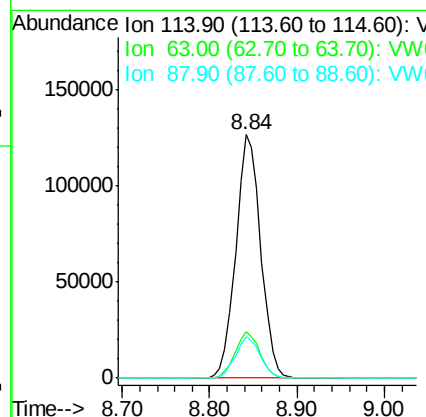
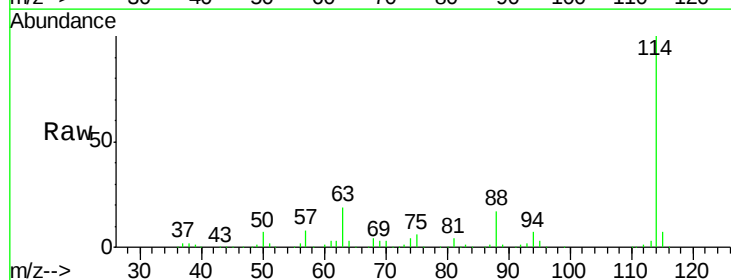
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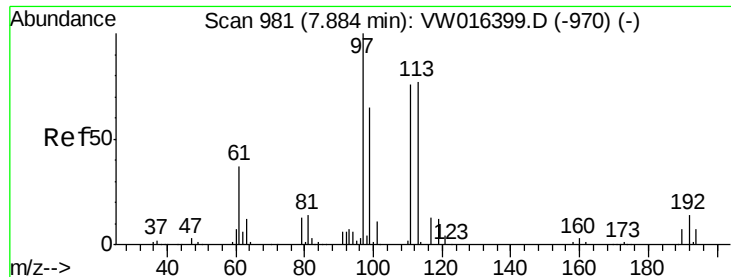
MMDadoda
 9/1/2020 12:40:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	37.8	
88	17.0	0.0	31.2	





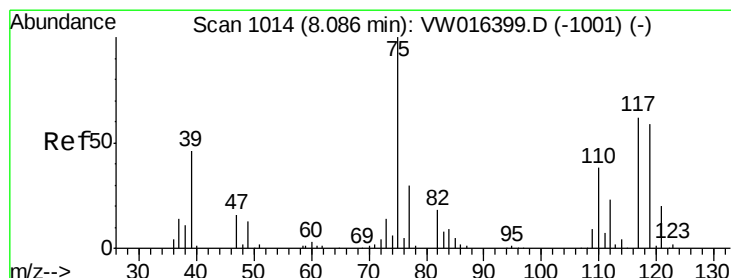
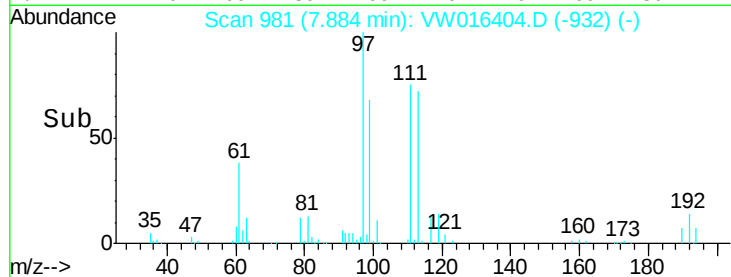
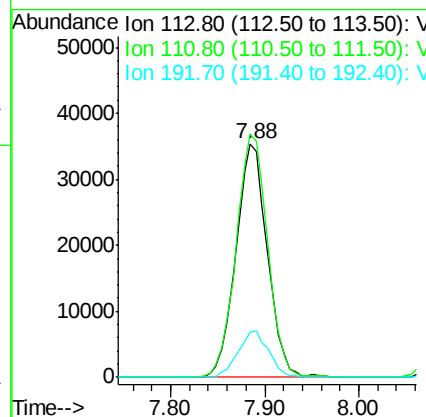
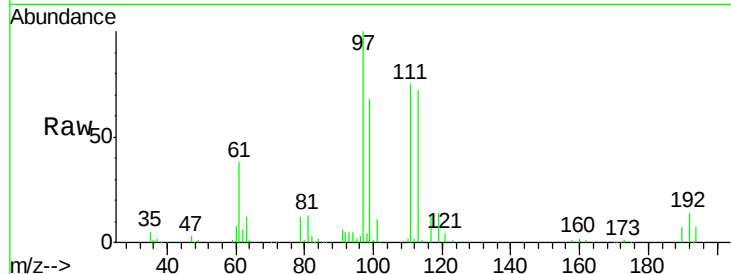
#35
 Dibromofluoromethane
 Concen: 51.973 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	82157		
111	104.5	82.1	123.1	
192	19.5	15.5	23.3	

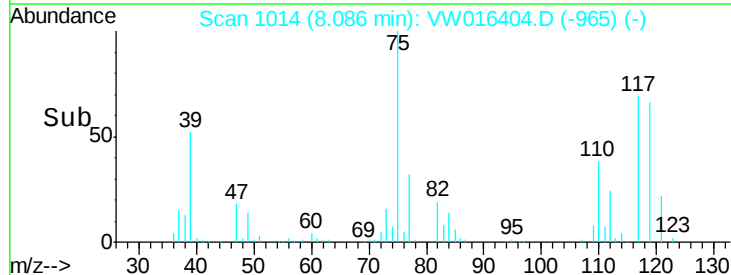
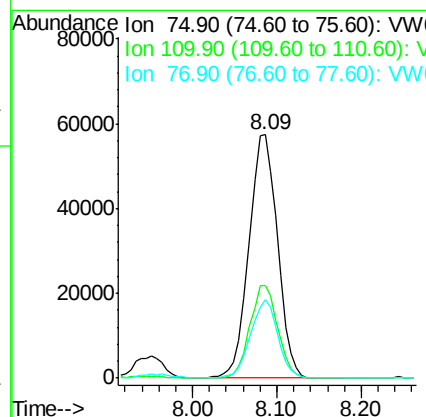
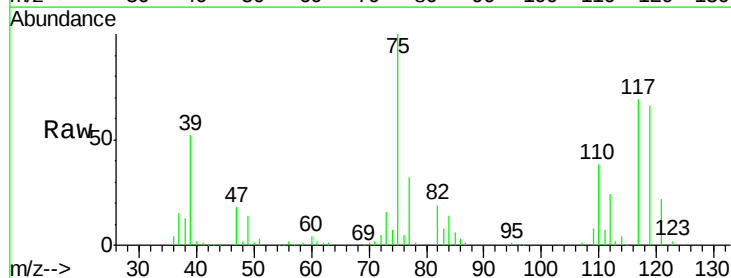
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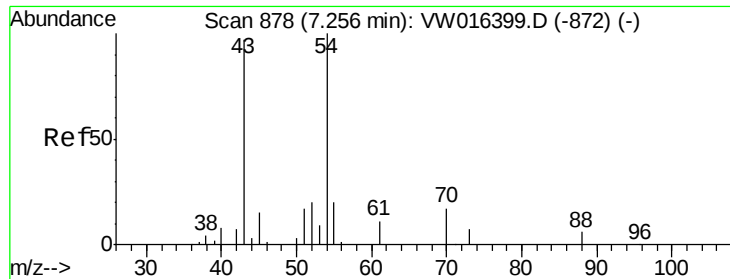
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 55.646 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132251		
110	36.9	18.6	56.0	
77	30.8	25.1	37.7	





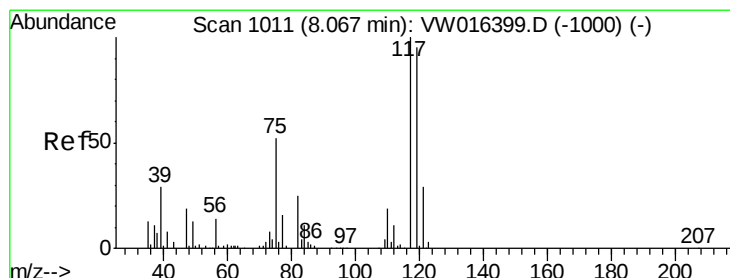
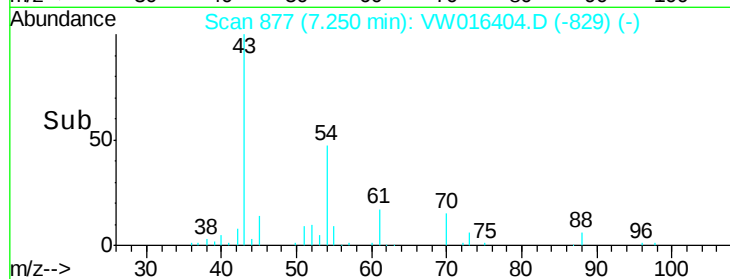
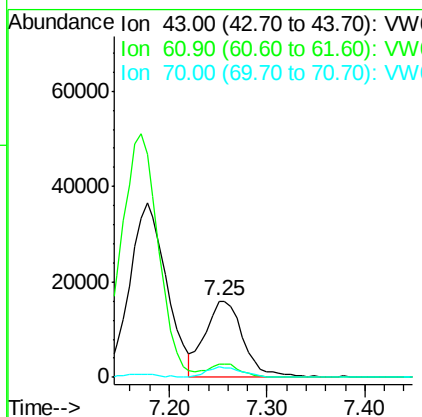
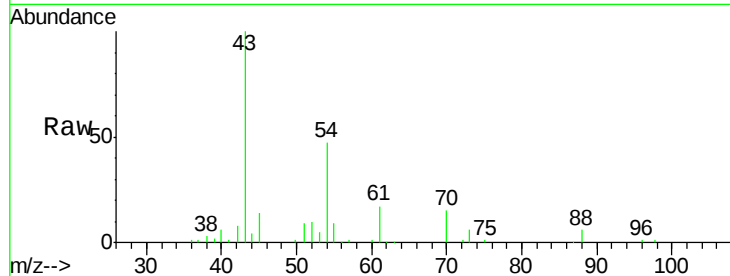
#37
Ethyl Acetate
Concen: 53.303 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	42916
Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.5	17.3
70	13.1	10.7	16.1

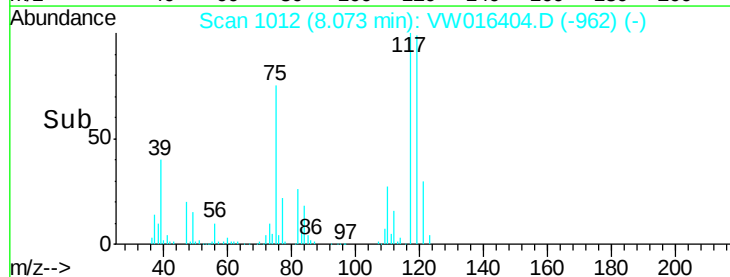
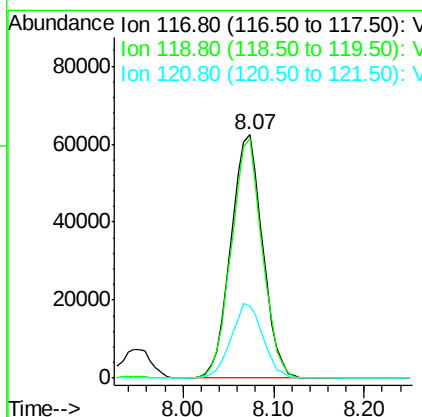
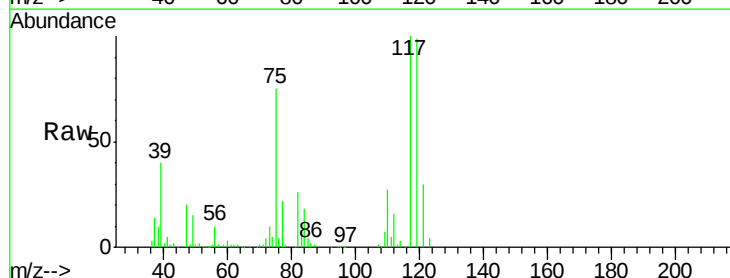
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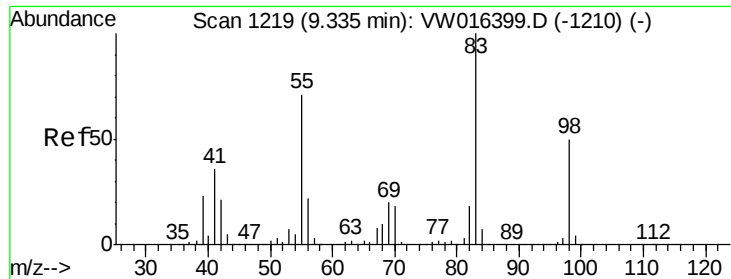
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#38
Carbon Tetrachloride
Concen: 58.119 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion:	117	Resp:	151357
Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.3	114.5
121	29.8	23.0	34.6





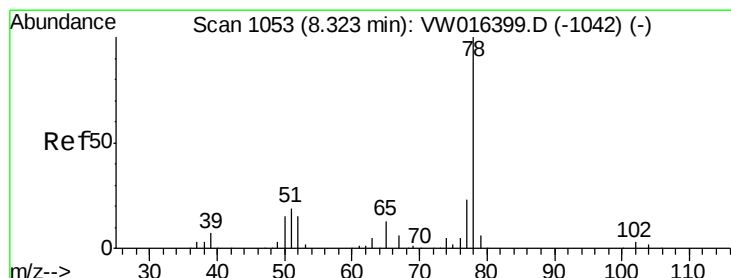
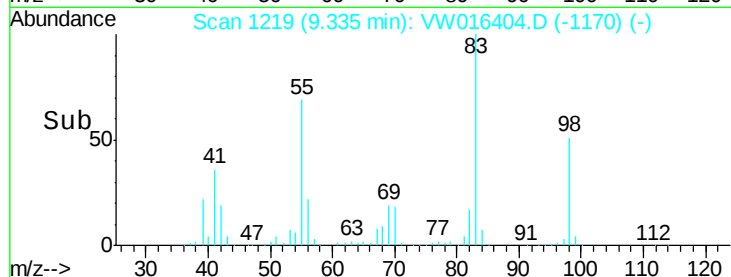
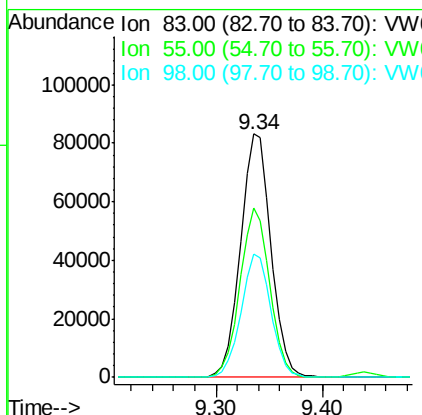
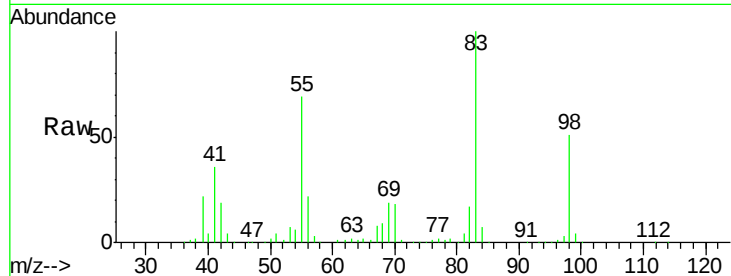
#39
Methylvlcvclohexane
Concen: 57.962 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	166797		
55	69.4	57.0	85.6	
98	50.9	39.9	59.9	

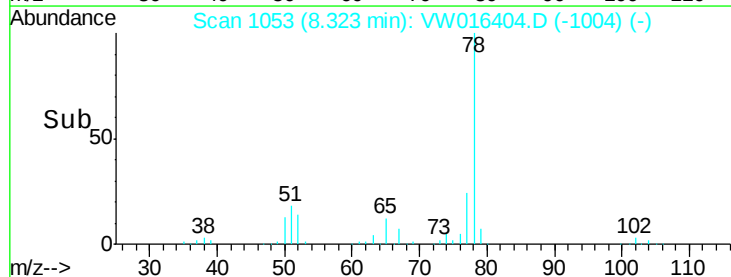
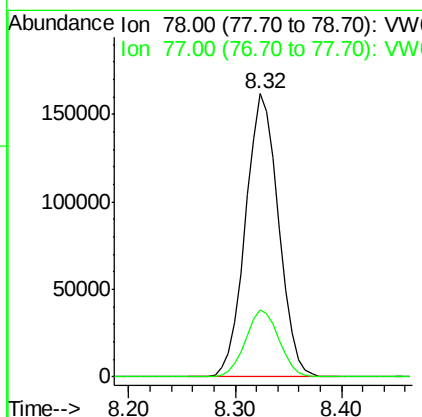
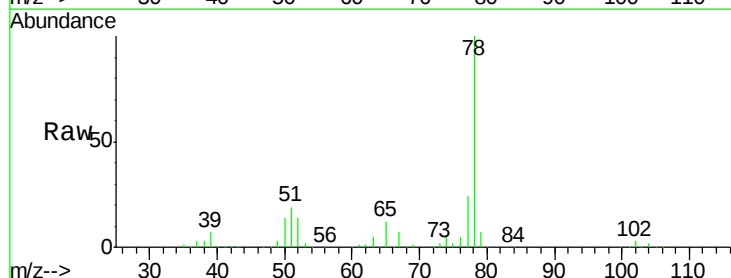
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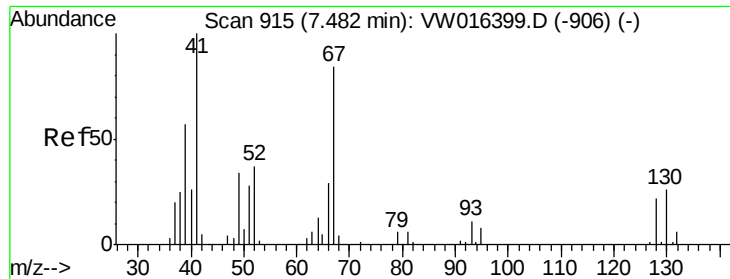
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#40
Benzene
Concen: 55.562 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	353531		
77	23.9	18.6	27.8	





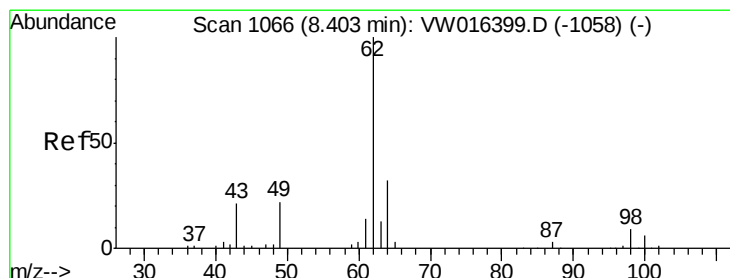
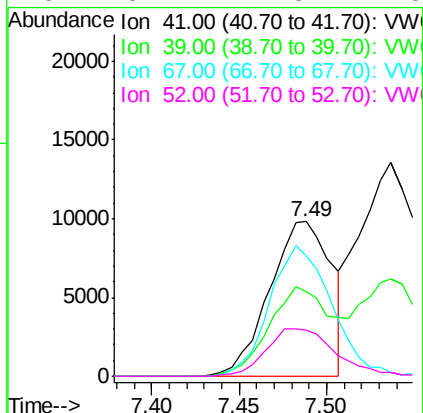
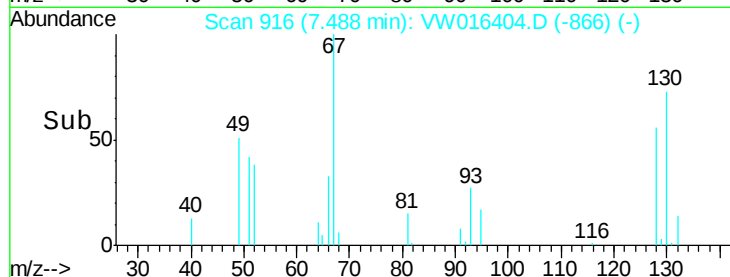
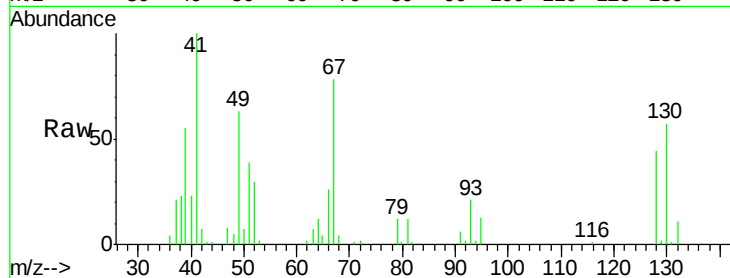
#41
Methacrylonitrile
Concen: 52.160 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	24180
Ion	Ratio	Lower	Upper
41	100		
39	62.1	45.4	68.2
67	85.3	65.8	98.6
52	34.4	27.8	41.8

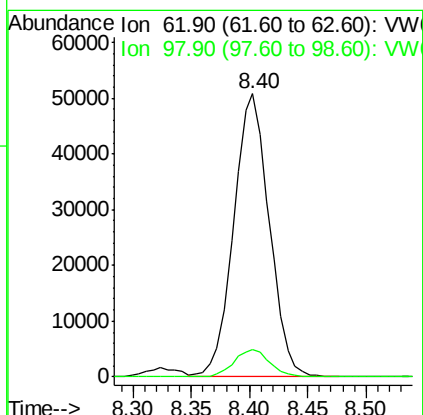
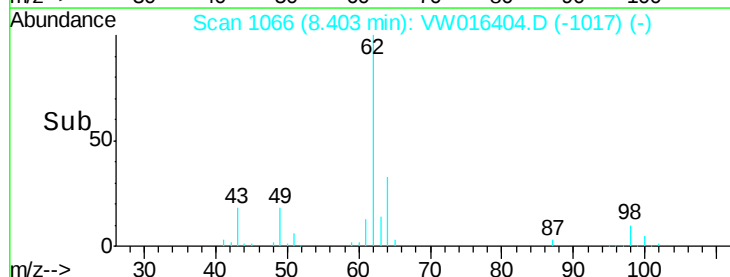
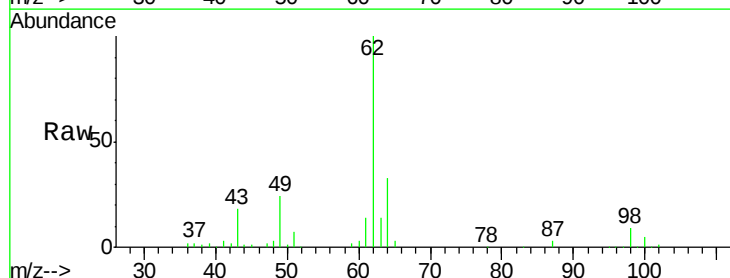
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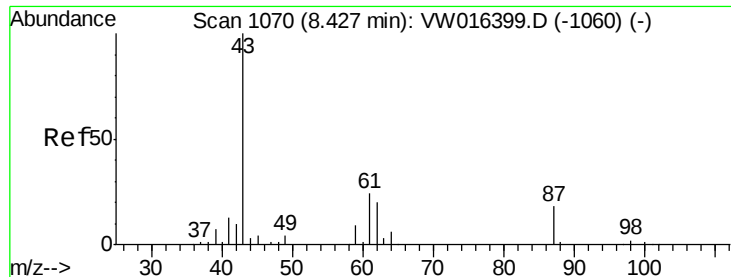
MMDadoda
9/1/2020 12:40:14 PM



#42
1,2-Dichloroethane
Concen: 55.638 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	62	Resp	107984
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.8





#43

Isopropyl Acetate

Concen: 51.257 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

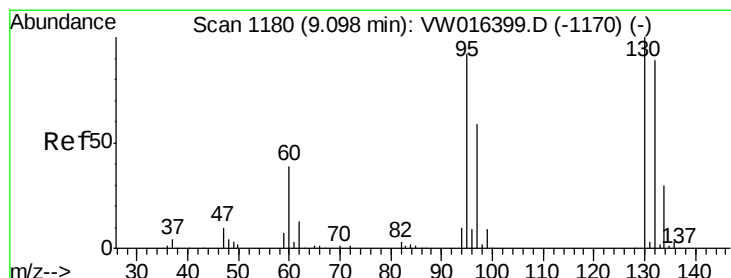
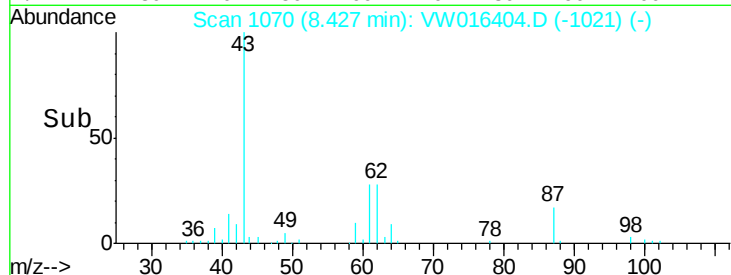
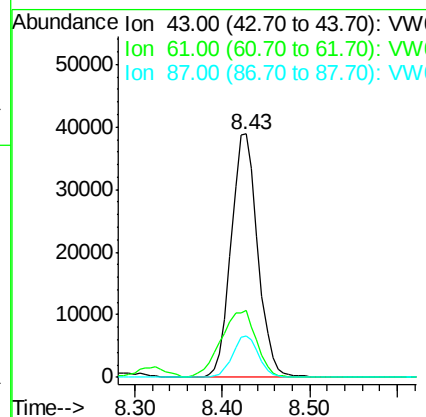
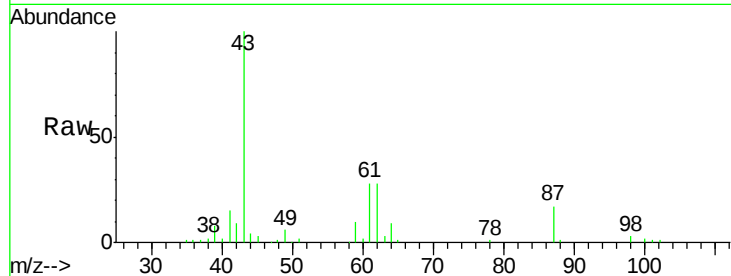
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	82357
Ion	Ratio	Lower	Upper
43	100		
61	36.2	27.5	41.3
87	16.8	13.5	20.3

Manual Integrations
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#44

Trichloroethene

Concen: 54.655 ug/l

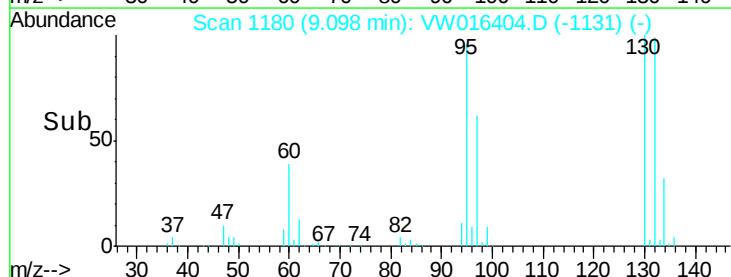
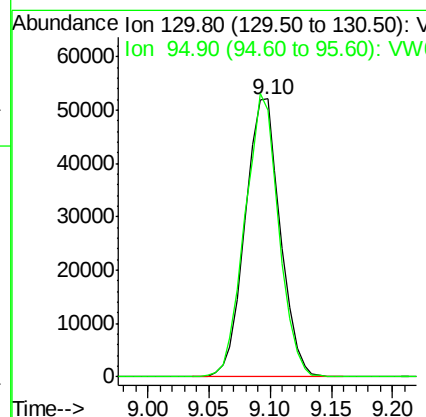
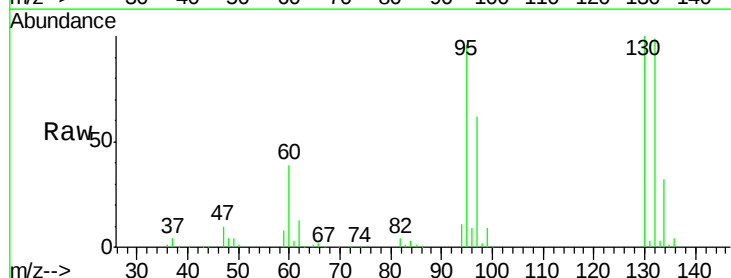
RT: 9.10 min Scan# 1180

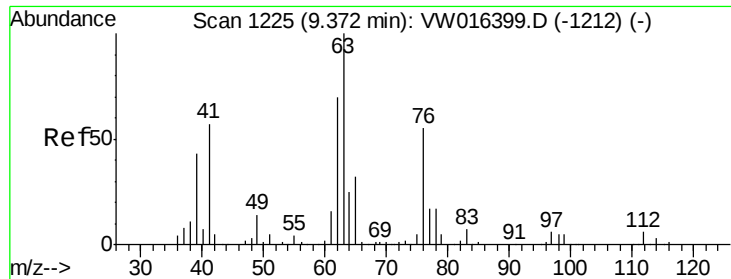
Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Tgt Ion:	130	Resp:	104055
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	183.4





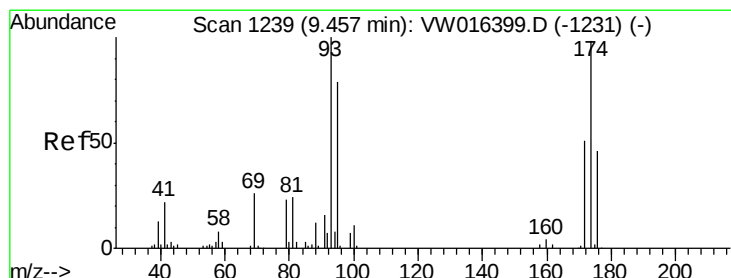
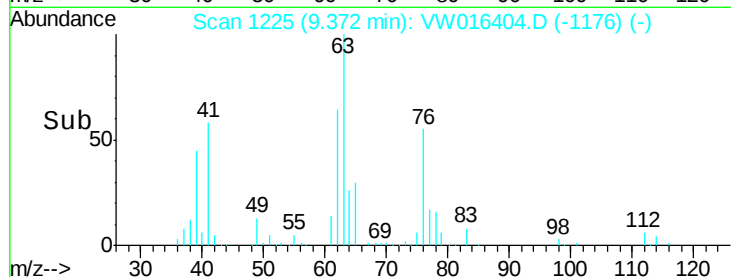
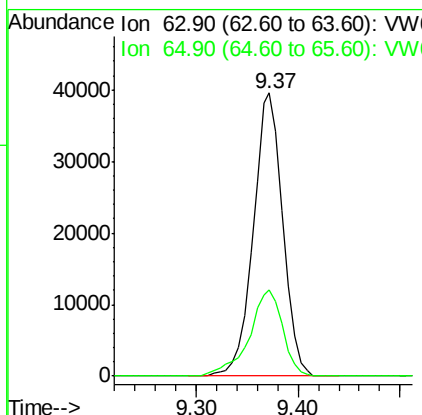
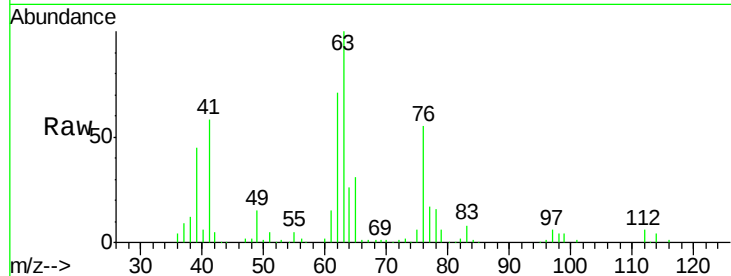
#45
 1,2-Dichloropropane
 Concen: 53.917 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 79587
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.4 38.0

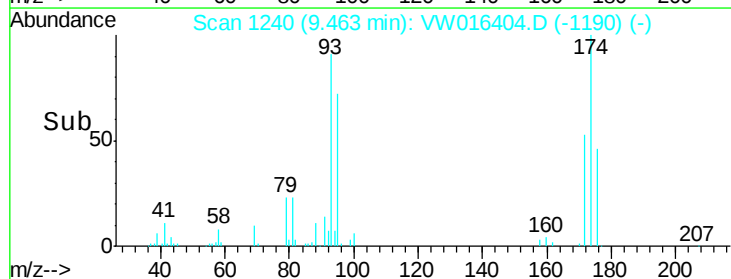
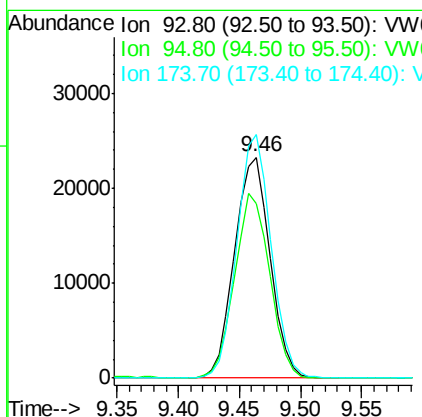
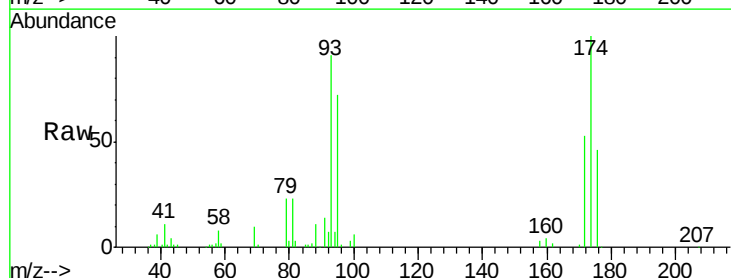
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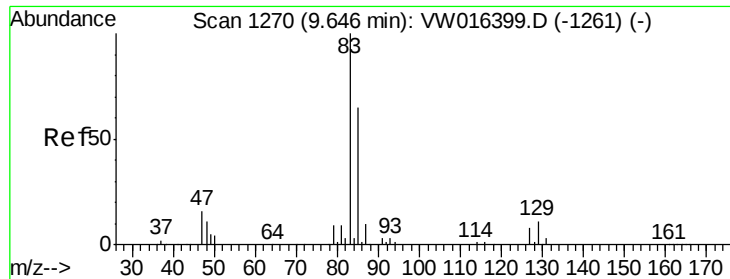
MMDadoda
 9/1/2020 12:40:14 PM



#46
 Dibromomethane
 Concen: 53.485 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion: 93 Resp: 46907
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.3 97.9
 174 106.4 80.1 120.1





#47

Bromodichloromethane

Concen: 55.702 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Tot Ion:	83	Resp:	125990
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.2
127	9.2	6.8	10.2

Instrument :

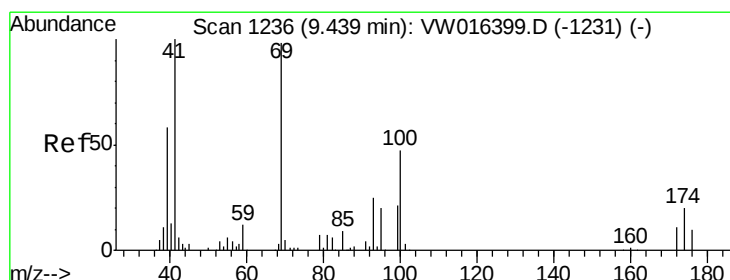
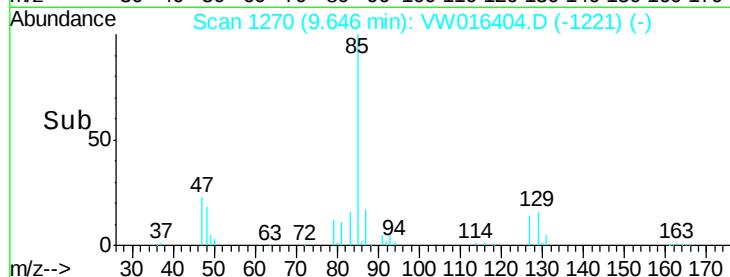
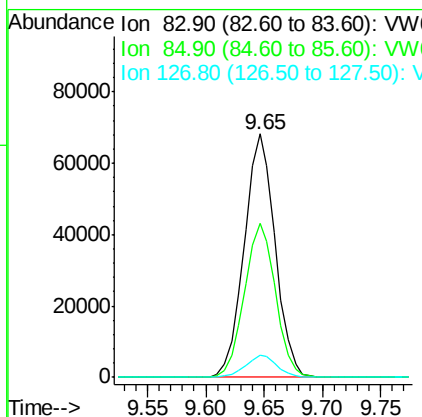
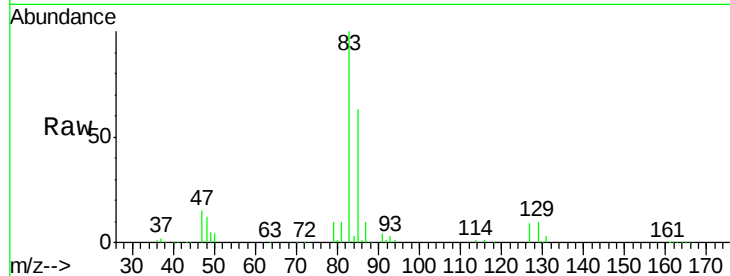
MSVOA_W

ClientSampleId :

VSTDCCC050

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#48

Methyl methacrylate

Concen: 54.990 ug/l

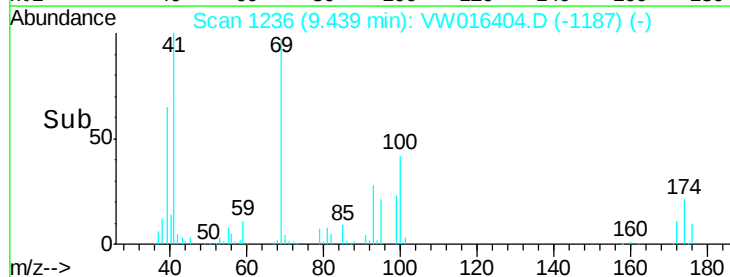
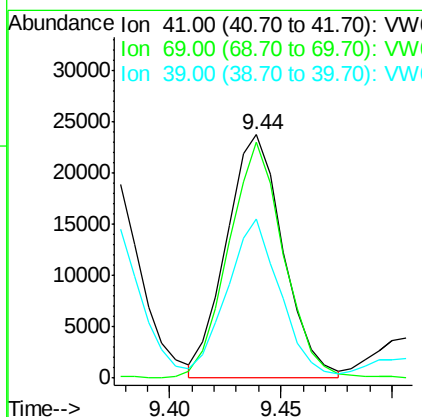
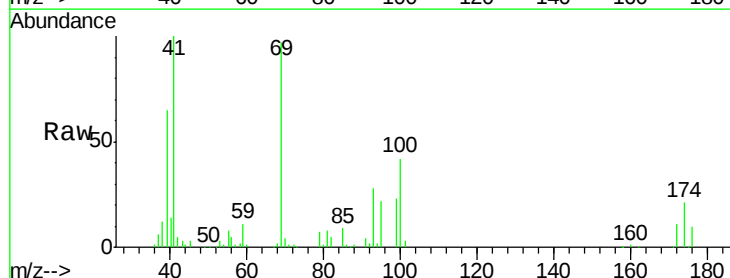
RT: 9.44 min Scan# 1236

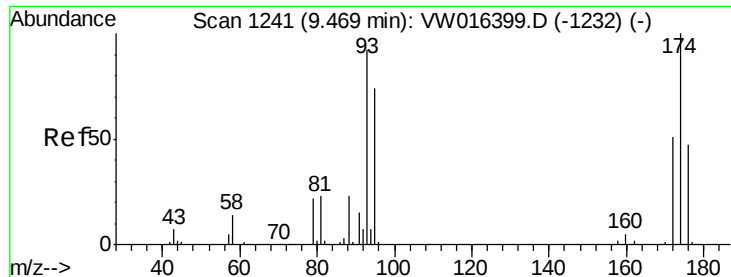
Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Tgt Ion:	41	Resp:	42125
Ion	Ratio	Lower	Upper
41	100		
69	94.4	83.5	125.3
39	57.5	48.7	73.1





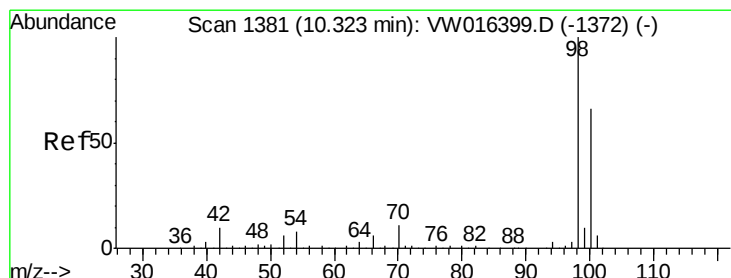
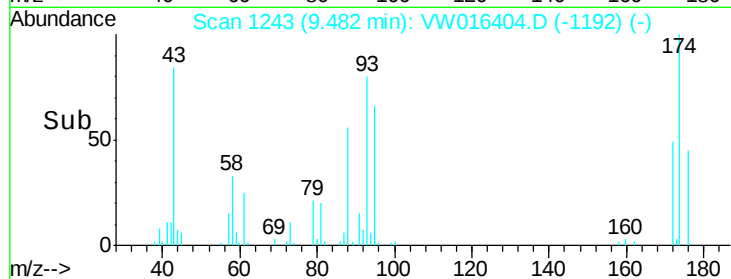
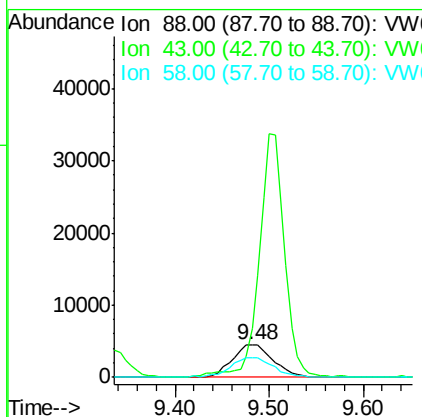
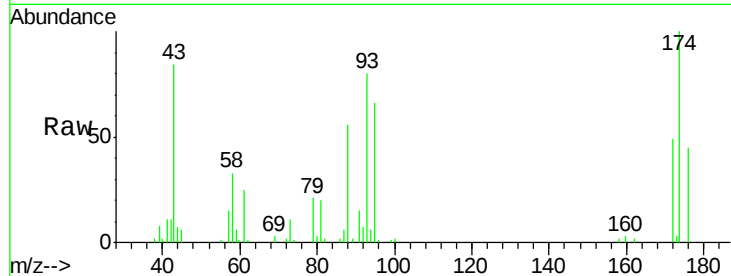
#49
1,4-Dioxane
Concen: 1136.937 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	13582
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	65.3	53.5	80.3

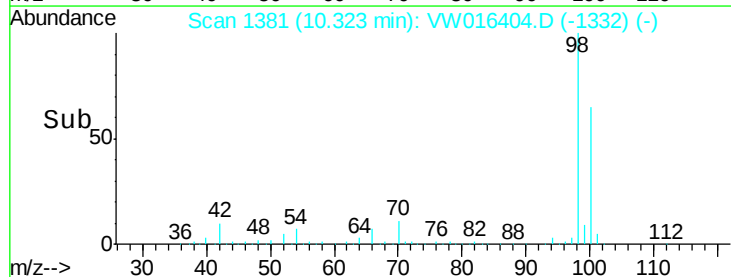
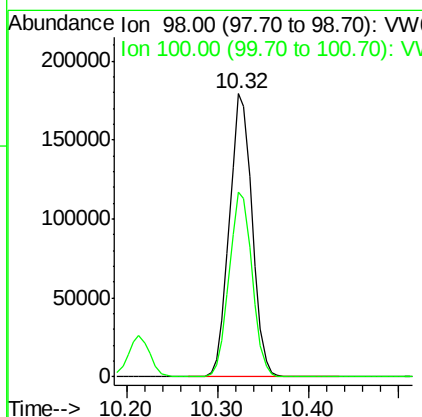
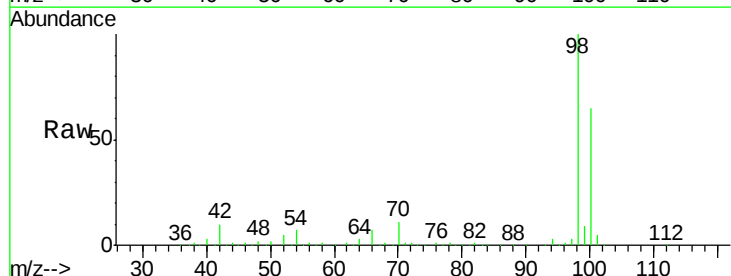
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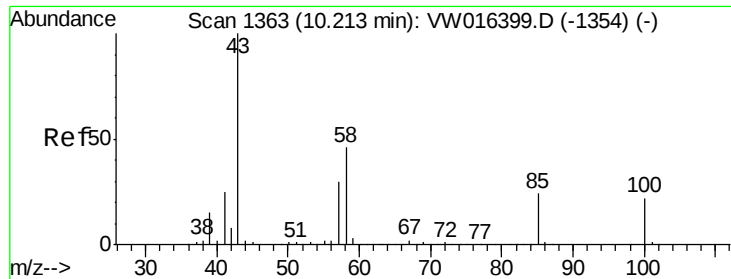
MMDadoda
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#50
Toluene-d8
Concen: 52.713 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	98	Resp	312023
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 260.665 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 207092

Ion Ratio Lower Upper

43 100

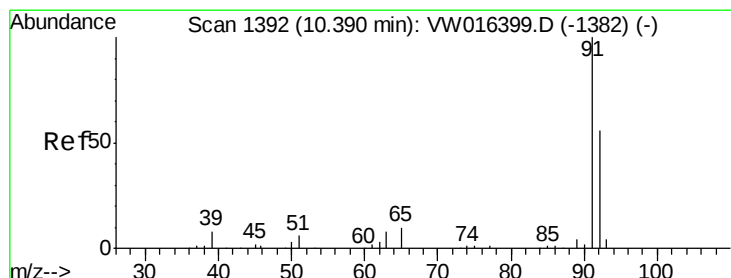
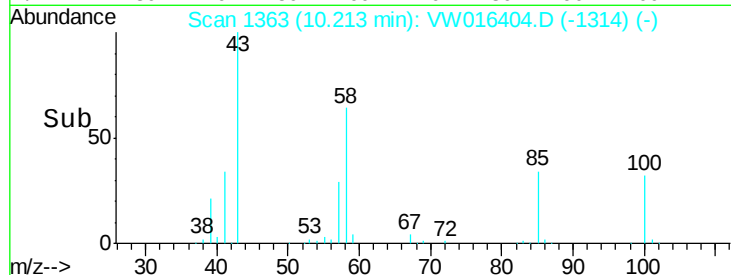
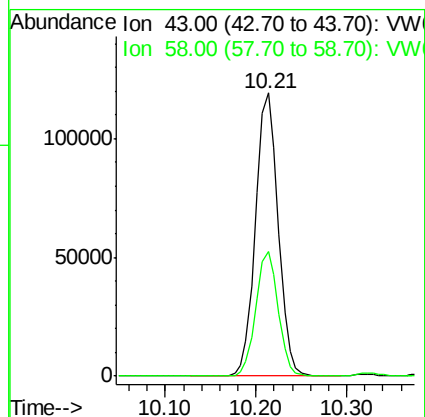
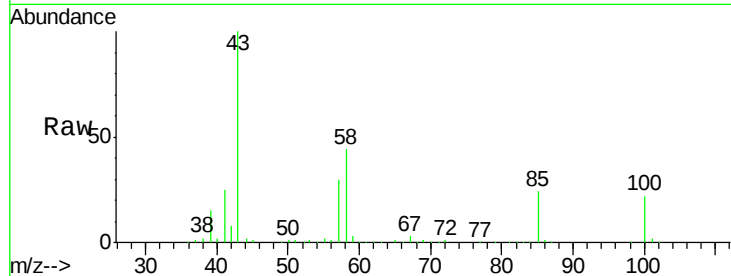
58 43.3 35.4 53.0

Manual Integrations

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#52

Toluene

Concen: 55.869 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016404.D

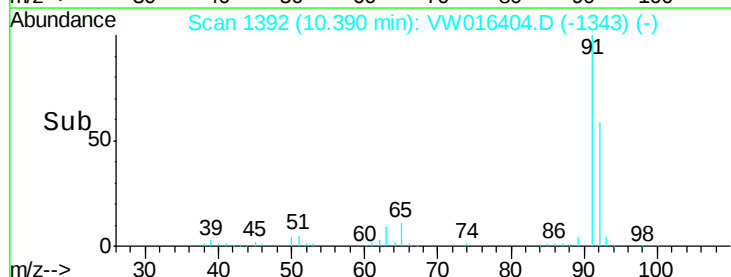
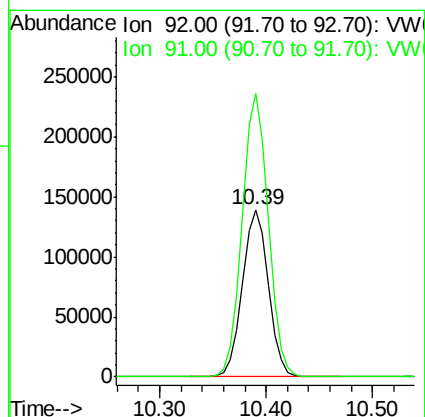
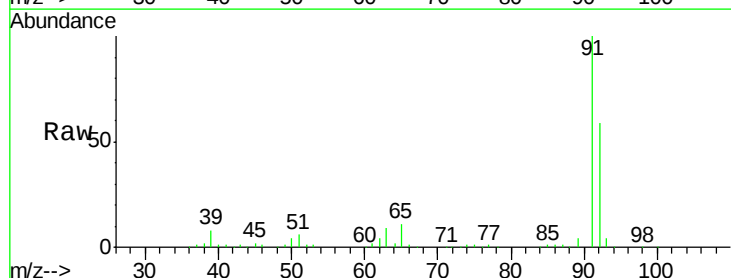
Acq: 31 Aug 2020 11:44

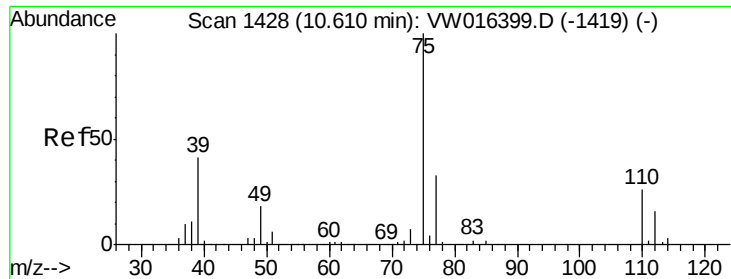
Tgt Ion: 92 Resp: 238343

Ion Ratio Lower Upper

92 100

91 170.5 137.1 205.7





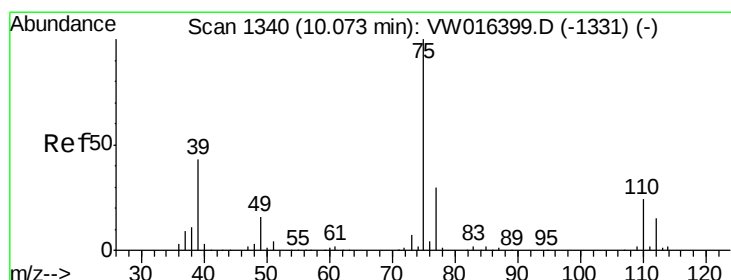
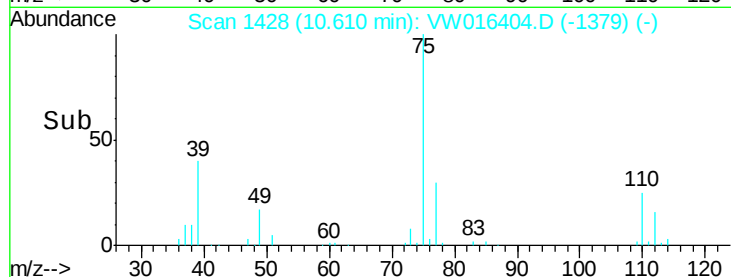
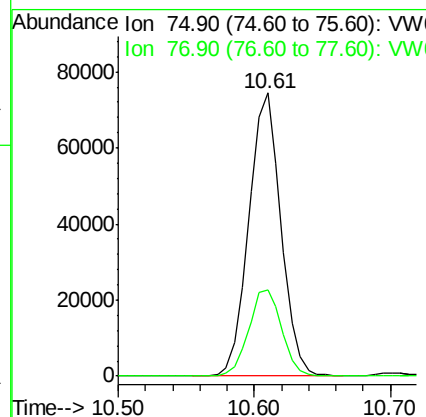
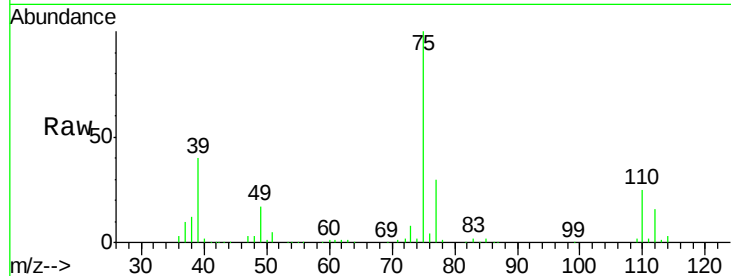
#53
 t-1,3-Dichloropropene
 Concen: 56.001 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.1	39.1

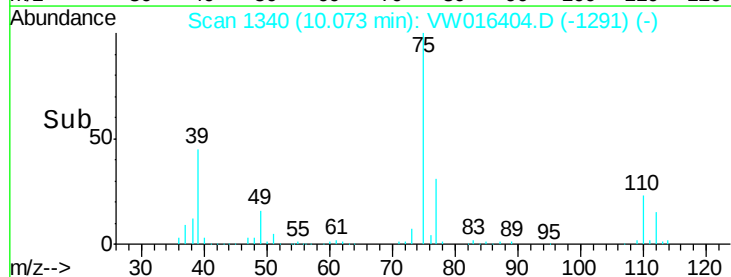
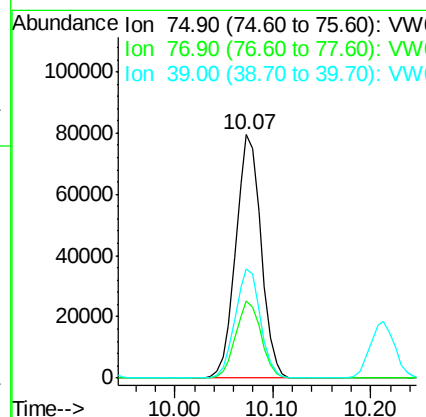
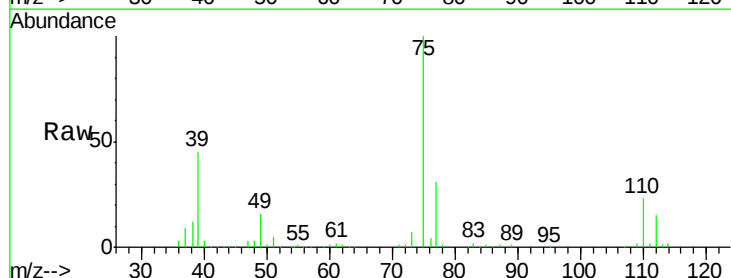
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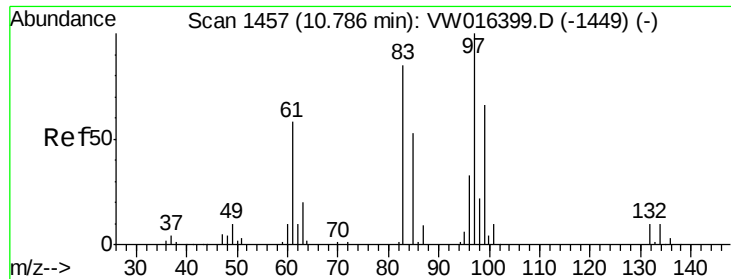
MMDadoda
 9/1/2020 12:40:14 PM



#54
 cis-1,3-Dichloropropene
 Concen: 55.508 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.4	36.6
39	44.7	34.6	51.8





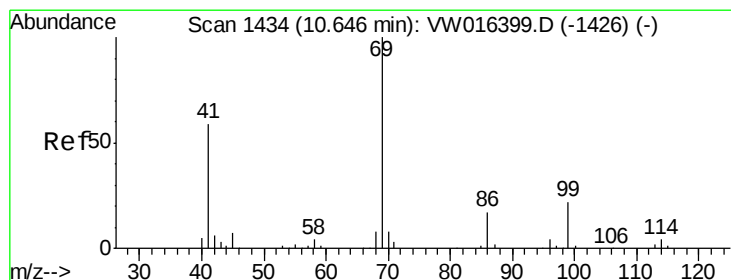
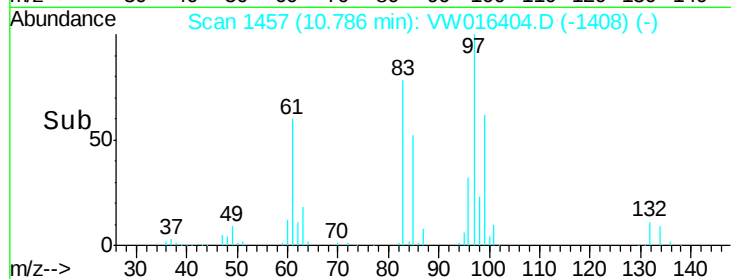
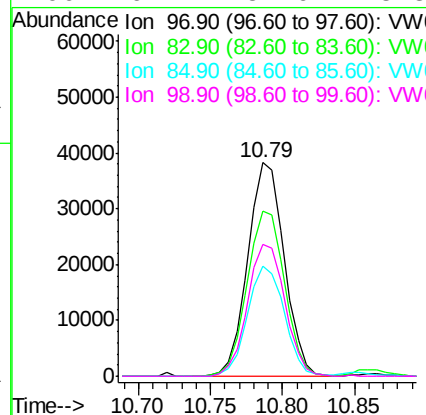
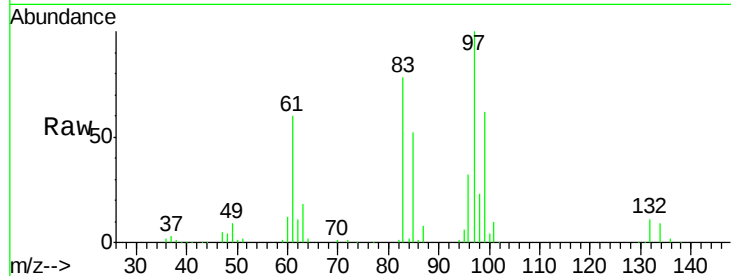
#55
1,1,2-Trichloroethane
Concen: 53.564 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	66977
Ion	Ratio	Lower	Upper
97	100		
83	77.6	68.0	102.0
85	51.7	42.2	63.2
99	61.7	52.6	78.8

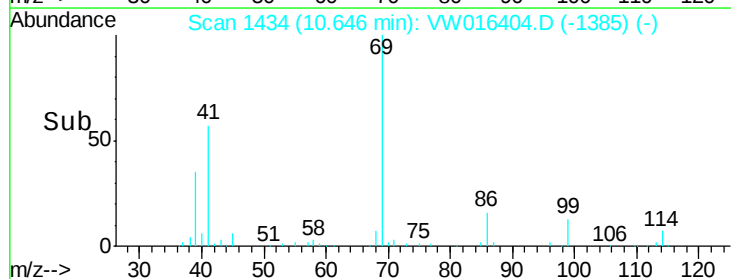
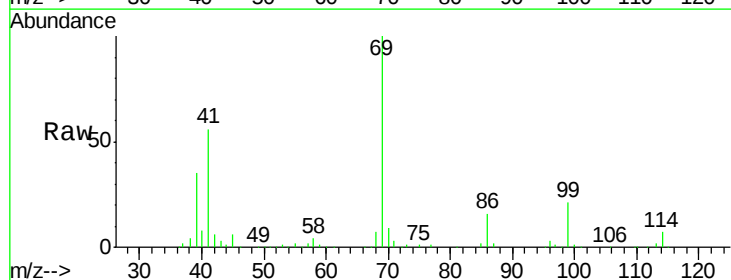
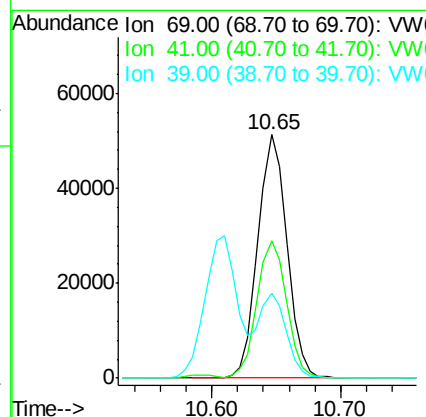
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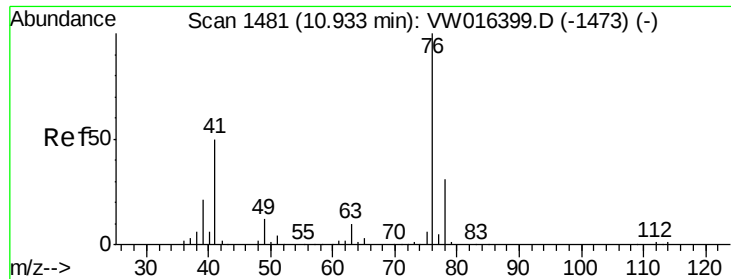
MMDadoda
9/1/2020 12:40:14 PM



#56
Ethyl methacrylate
Concen: 54.732 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion:	69	Resp:	79974
Ion	Ratio	Lower	Upper
69	100		
41	57.2	46.5	69.7
39	33.3	26.2	39.2





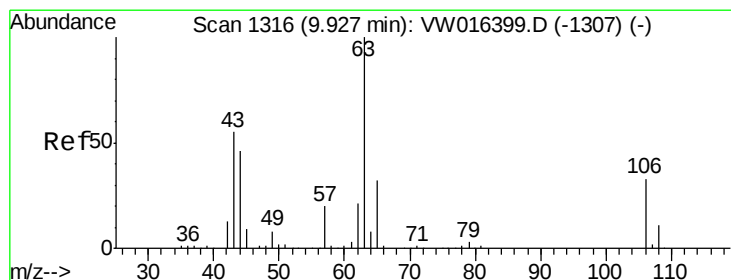
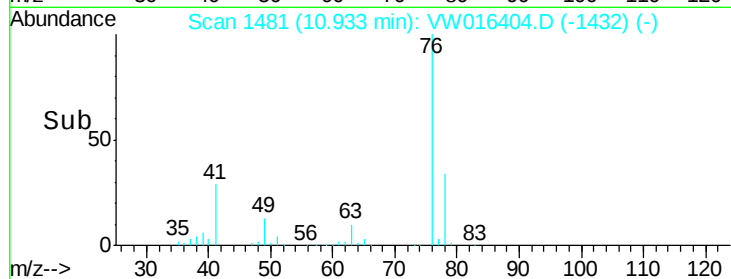
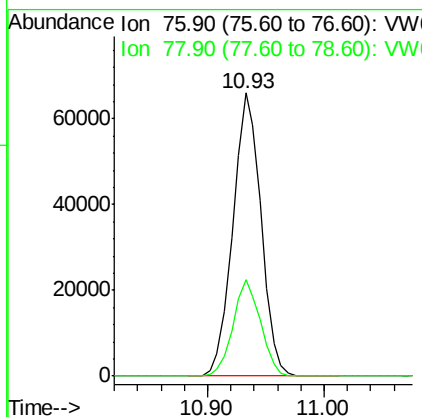
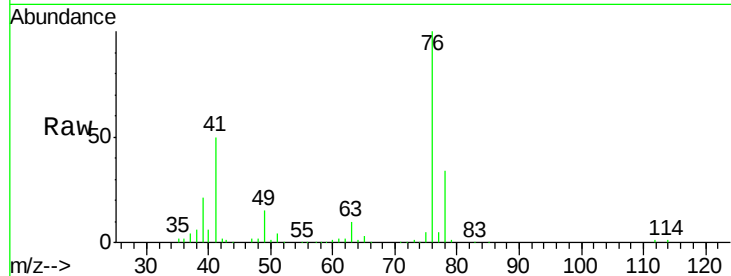
#57
 1,3-Dichloropropane
 Concen: 53.256 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 110648
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.1 39.1

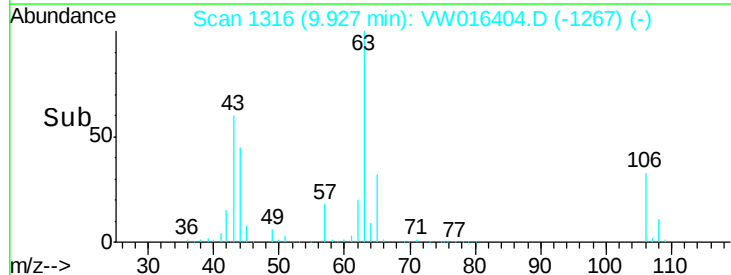
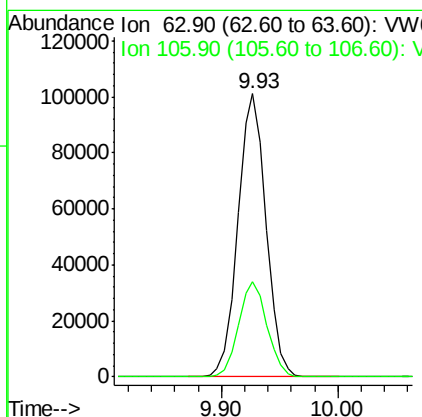
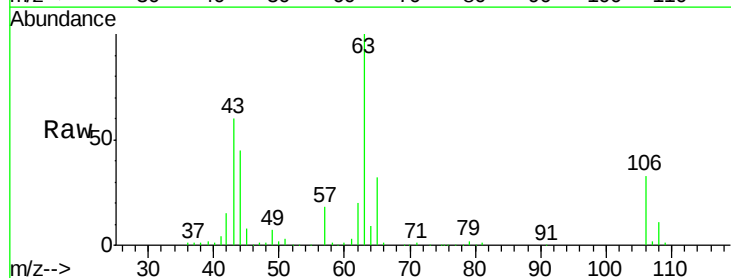
Manual Integrations
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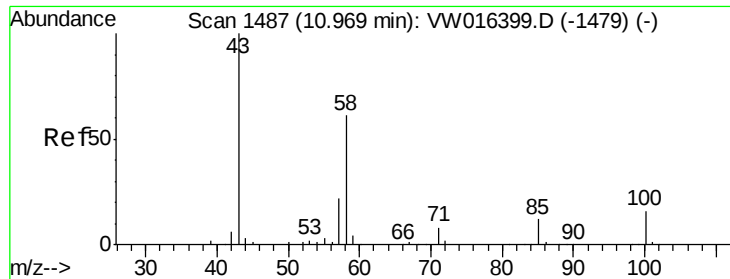
MMDadoda
 9/1/2020 12:40:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.881 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion: 63 Resp: 169853
 Ion Ratio Lower Upper
 63 100
 106 33.9 26.6 40.0





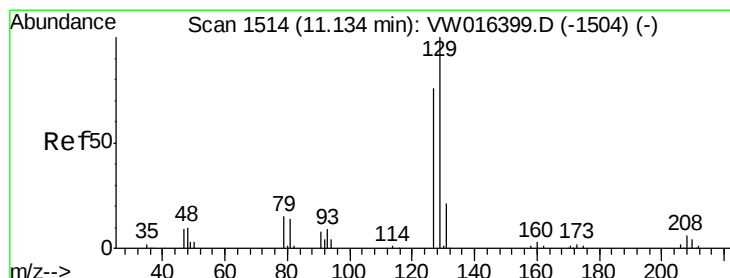
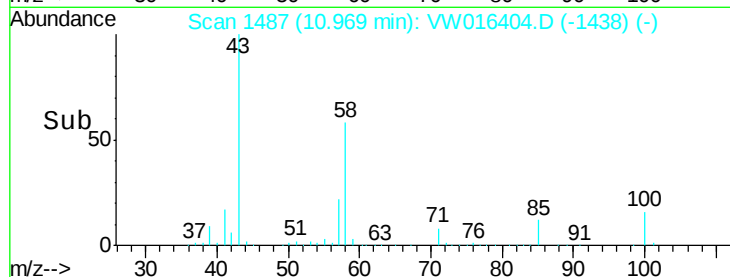
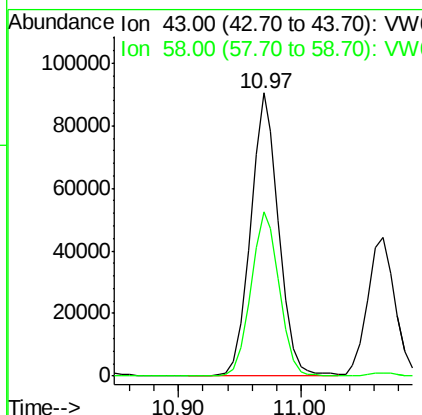
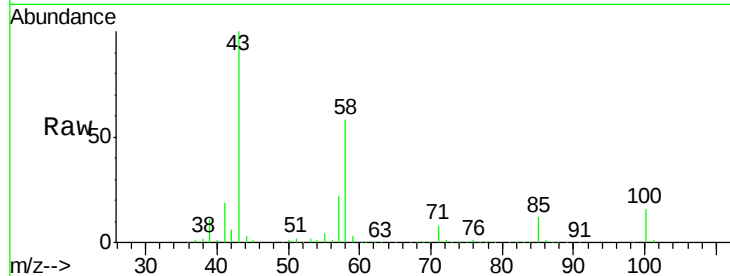
#59
2-Hexanone
Concen: 265.289 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 143793
Ion Ratio Lower Upper
43 100
58 58.5 29.7 89.1

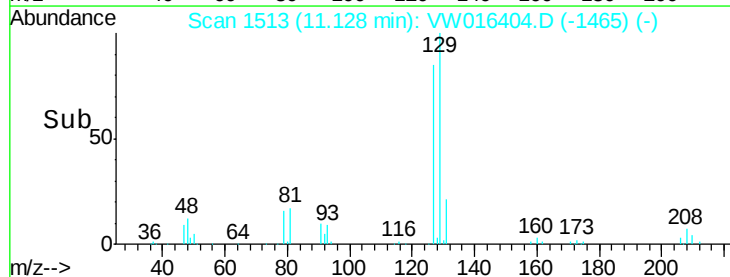
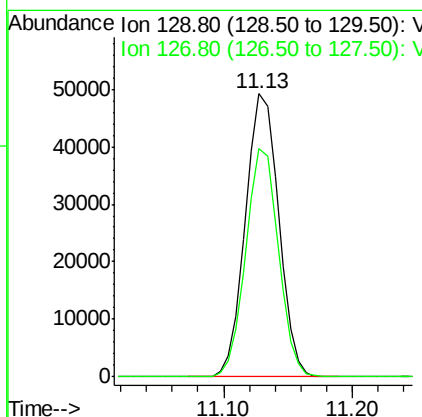
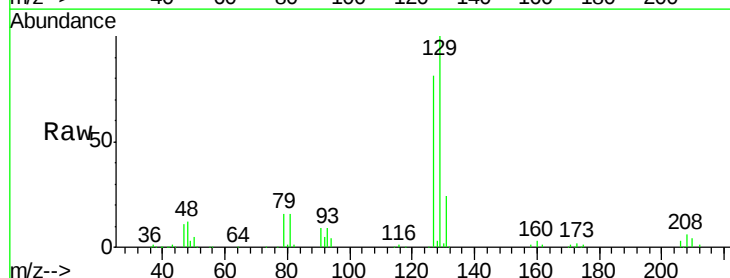
Manual Integrations
APPROVED

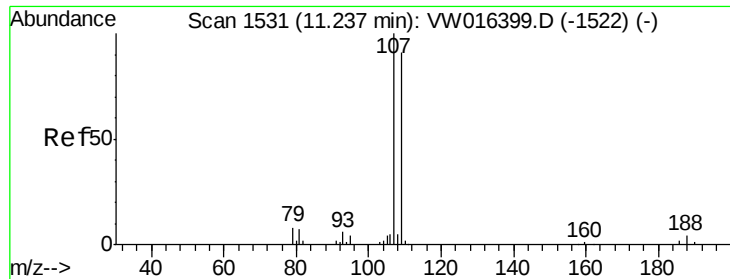
MMDadoda
9/1/2020 12:40:14 PM



#60
Dibromochloromethane
Concen: 55.706 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion: 129 Resp: 88075
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 54.754 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 67145

Ion Ratio Lower Upper

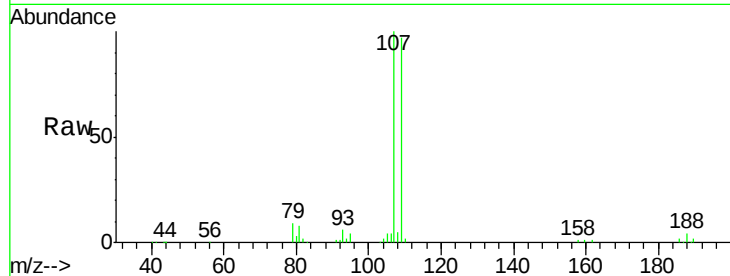
107 100

109 95.8 74.5 111.7

Manual Integrations
APPROVED

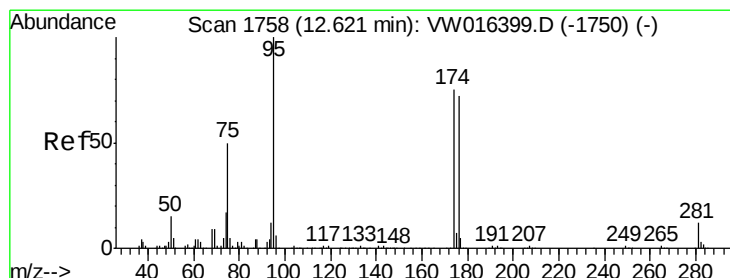
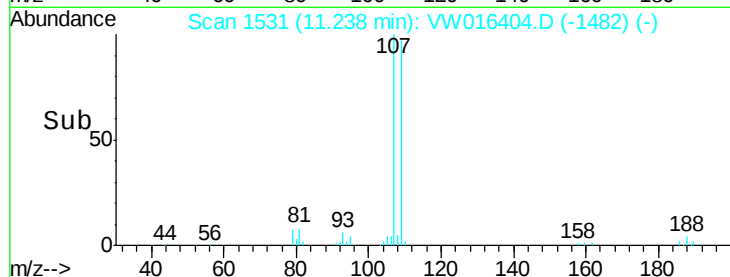
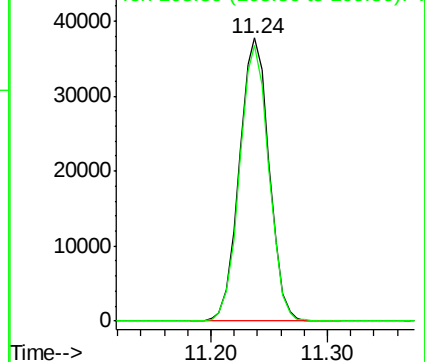
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.524 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

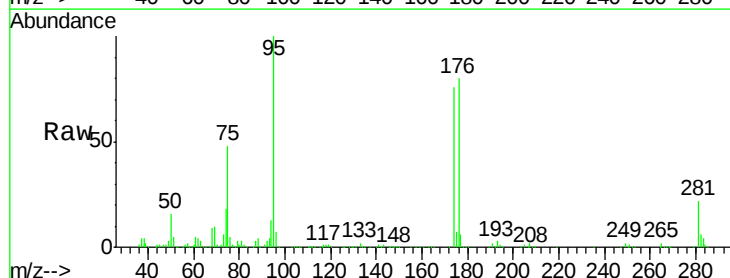
Tgt Ion: 95 Resp: 114368

Ion Ratio Lower Upper

95 100

174 77.2 0.0 152.0

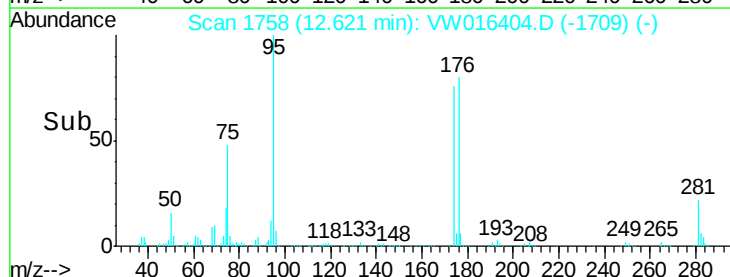
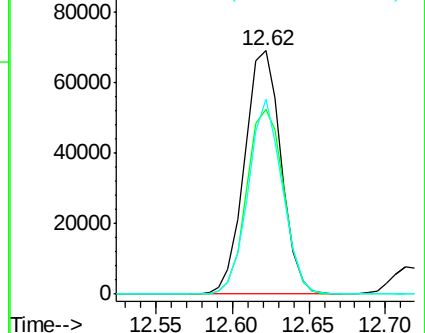
176 74.7 0.0 145.6

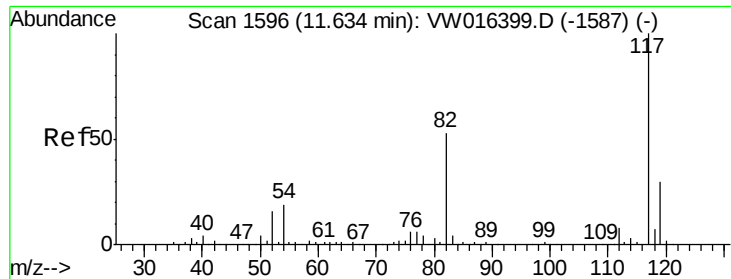


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





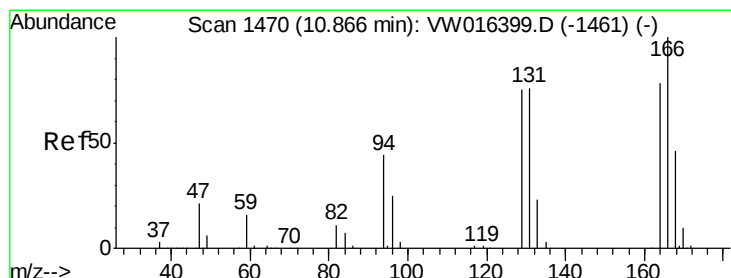
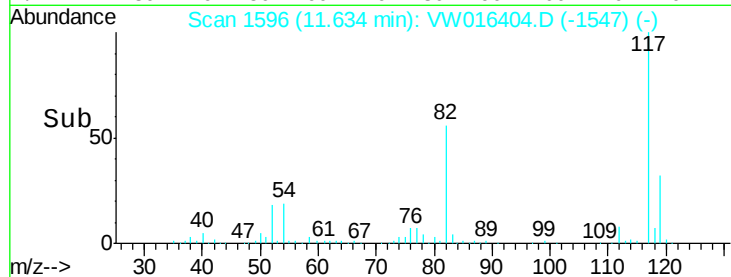
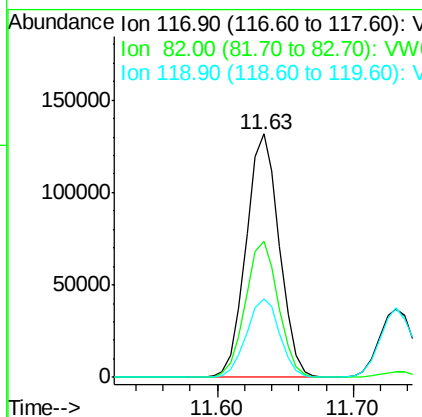
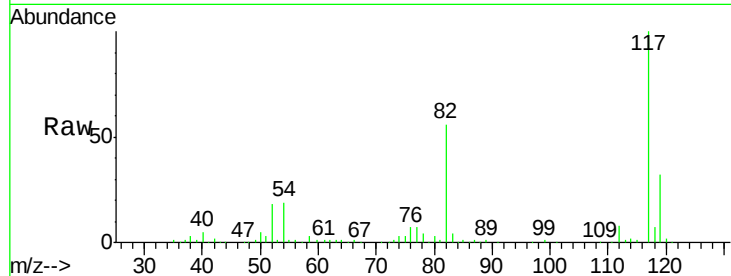
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.2	63.4
119	32.4	24.2	36.4

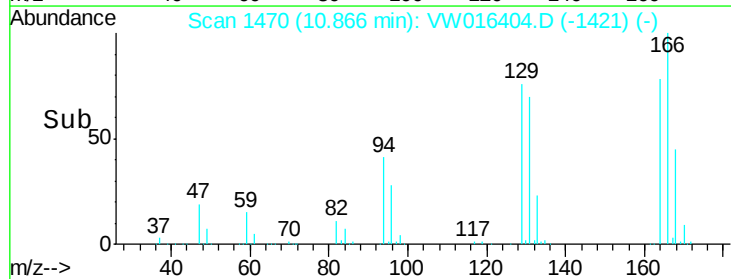
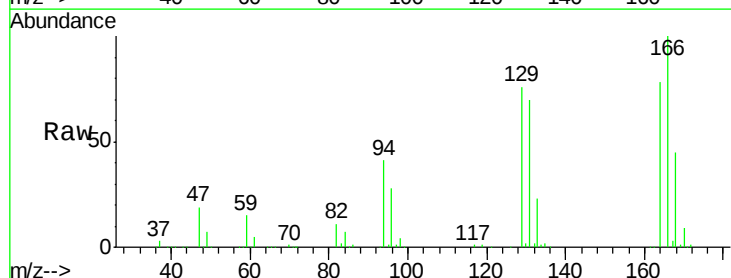
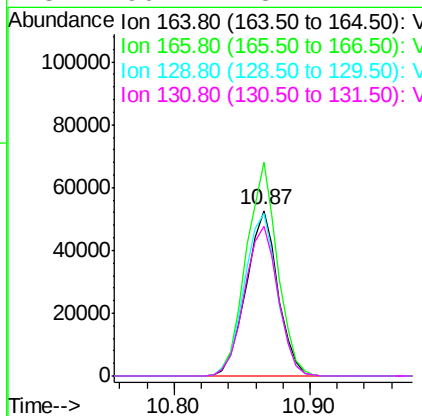
Manual Integrations
APPROVED

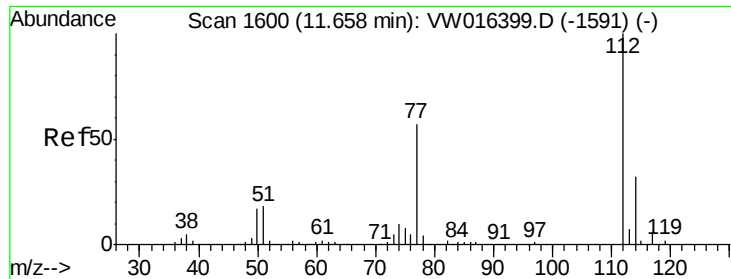
MMDadoda
9/1/2020 12:40:14 PM



#64
Tetrachloroethene
Concen: 55.712 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.1	154.7
129	97.8	77.3	115.9
131	90.7	78.2	117.2





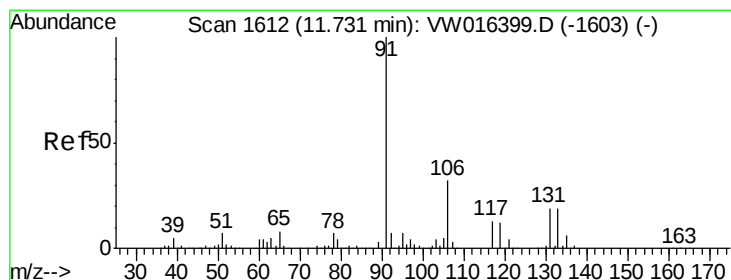
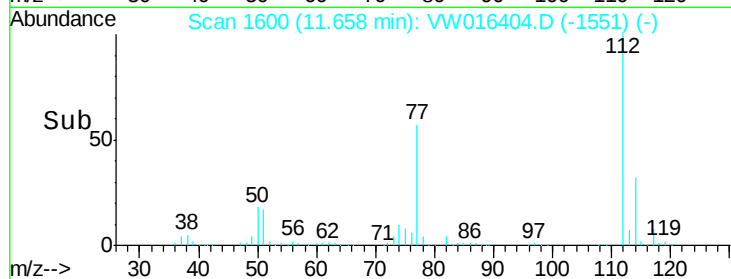
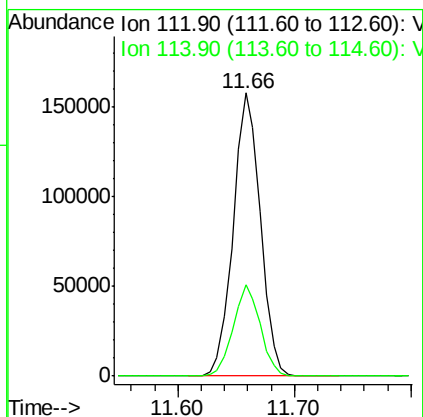
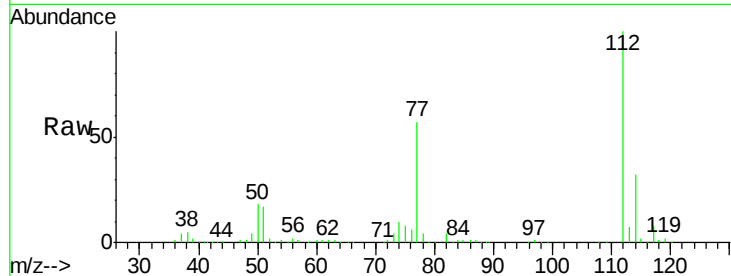
#65
Chlorobenzene
Concen: 55.400 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 256013
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

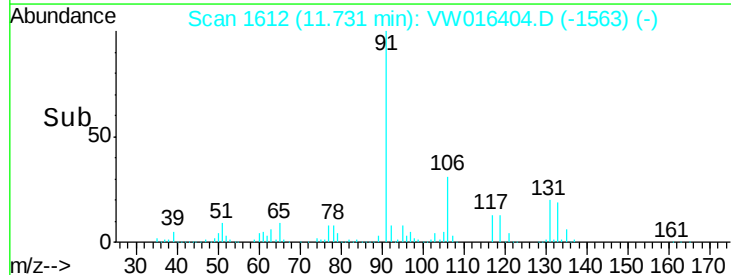
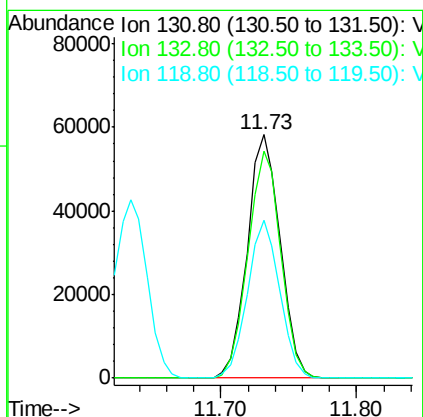
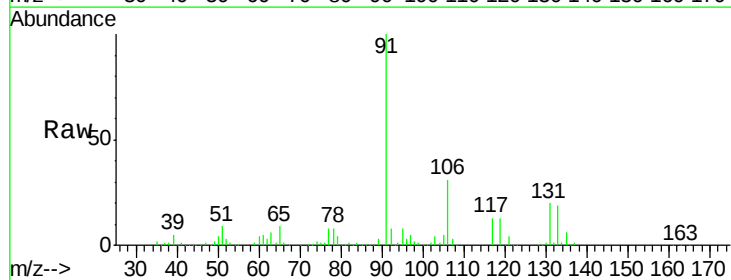
Manual Integrations
APPROVED

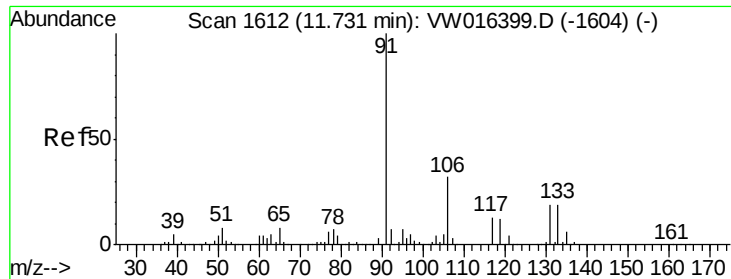
MMDadoda
9/1/2020 12:40:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.669 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion:131 Resp: 98677
Ion Ratio Lower Upper
131 100
133 93.1 46.9 140.6
119 63.7 31.6 95.0





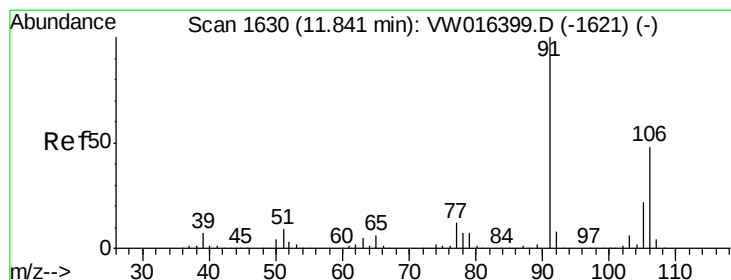
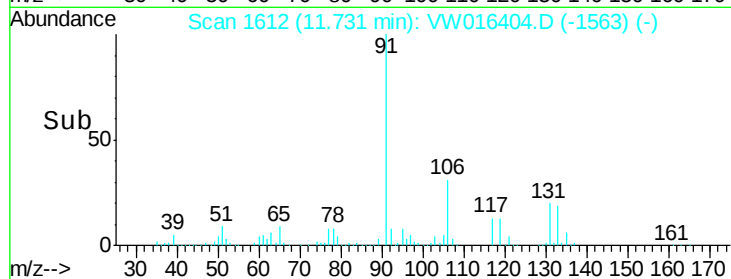
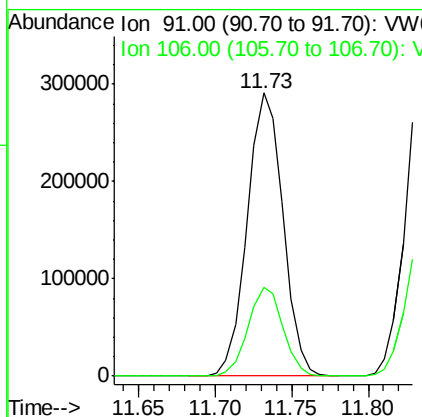
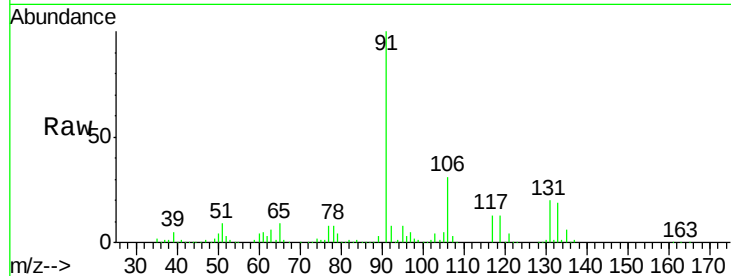
#67
Ethyl Benzene
Concen: 57.331 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 472988
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9

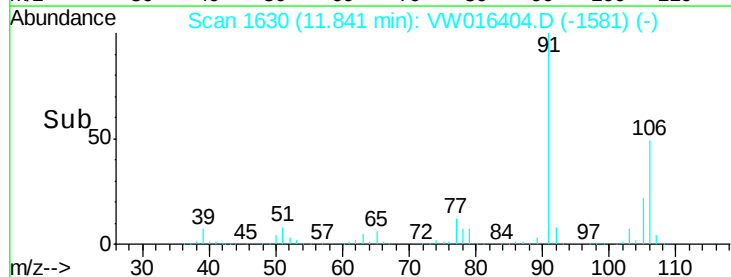
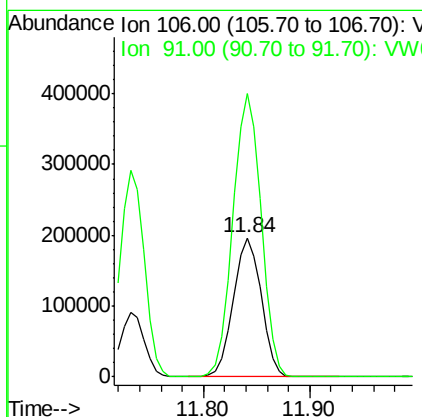
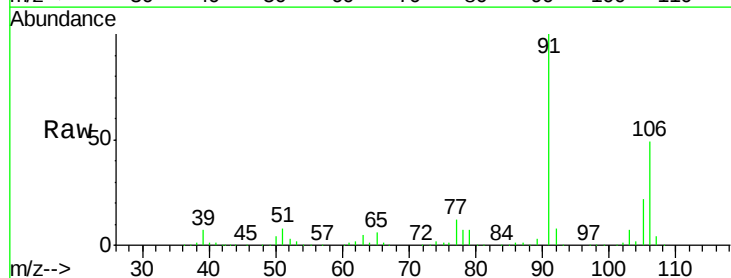
Manual Integrations
APPROVED

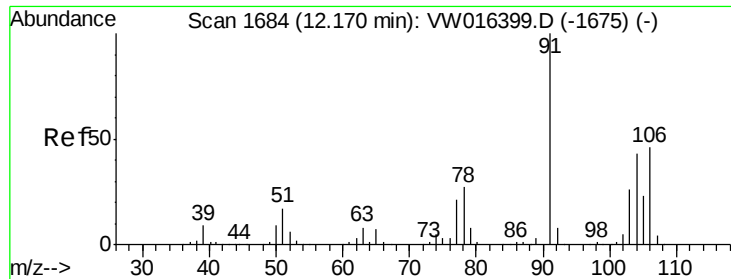
MMDadoda
9/1/2020 12:40:14 PM



#68
m/p-Xylenes
Concen: 114.775 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion:106 Resp: 361521
Ion Ratio Lower Upper
106 100
91 205.6 167.7 251.5





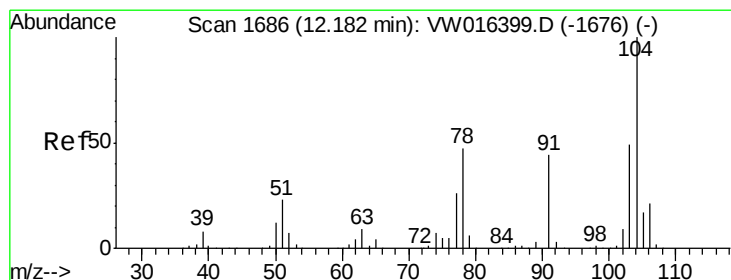
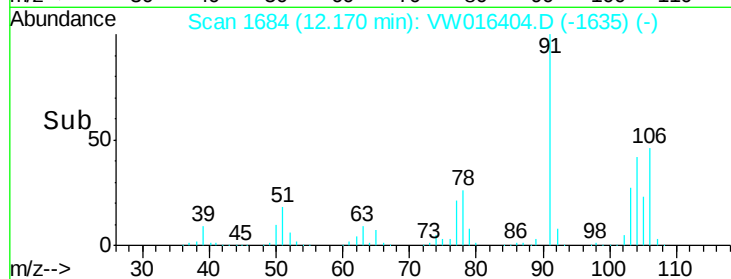
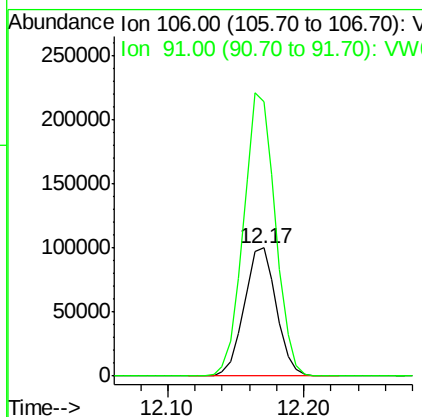
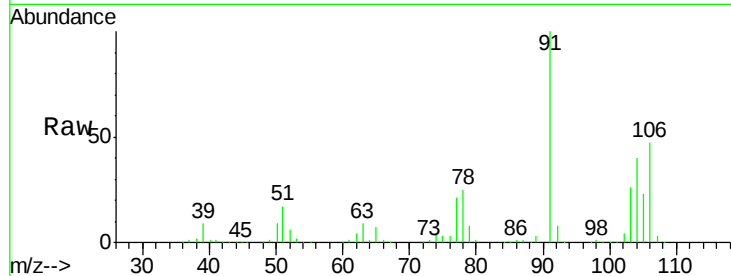
#69
o-Xylene
Concen: 56.826 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 164600
Ion Ratio Lower Upper
106 100
91 218.0 111.7 334.9

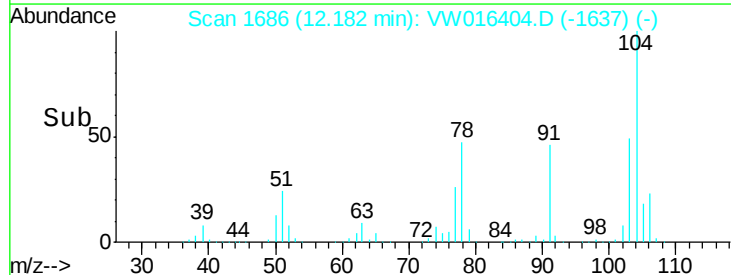
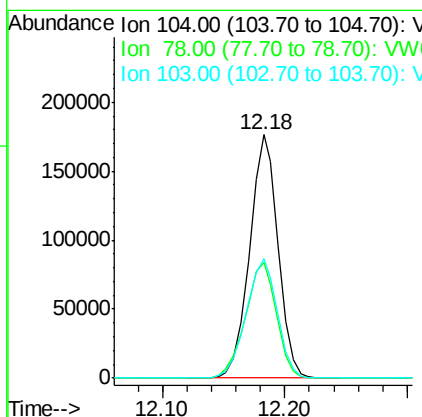
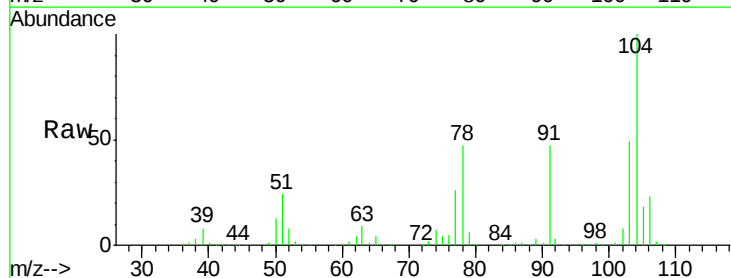
Manual Integrations
APPROVED

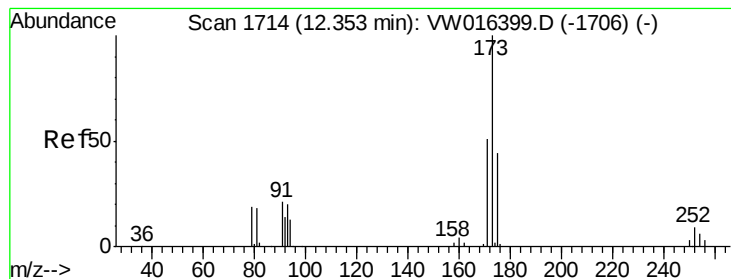
MMDadoda
9/1/2020 12:40:14 PM



#70
Styrene
Concen: 57.484 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion:104 Resp: 283773
Ion Ratio Lower Upper
104 100
78 52.2 41.7 62.5
103 53.9 42.9 64.3





#71

Bromoform

Concen: 56.173 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 48909

Ion Ratio Lower Upper

173 100

175 48.8 23.5 70.6

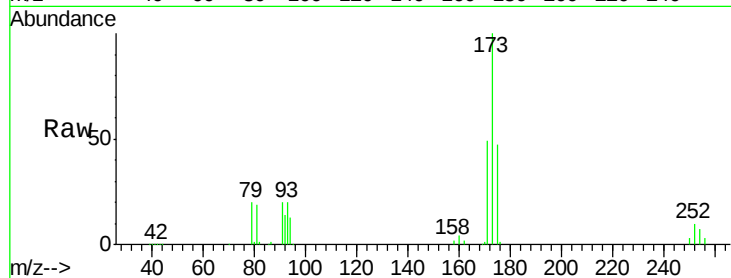
254 0.0 0.0 0.0#

Manual Integrations

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MMDadoda

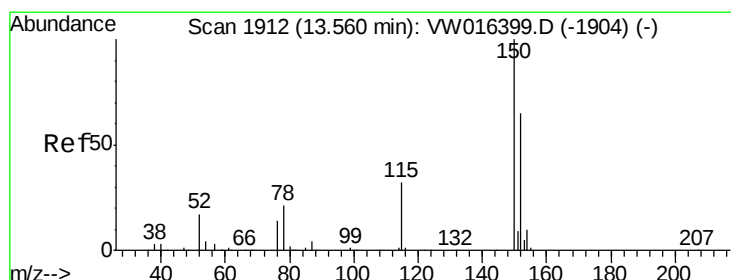
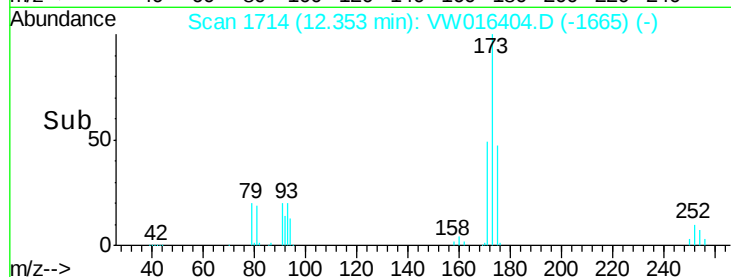
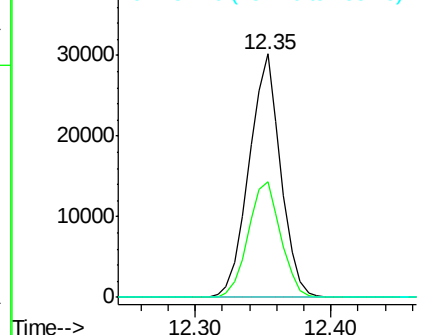
9/1/2020 12:40:14 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

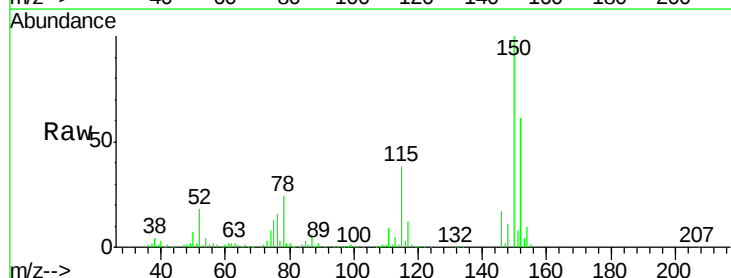
Tgt Ion:152 Resp: 108721

Ion Ratio Lower Upper

152 100

115 64.3 30.9 92.5

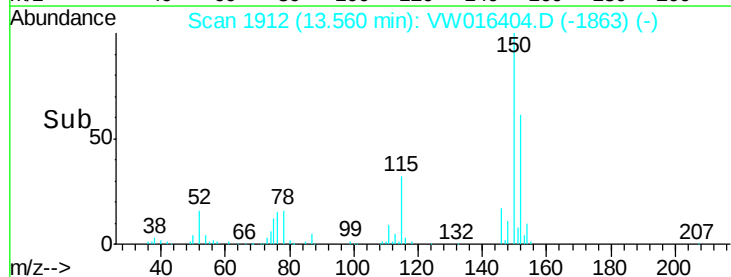
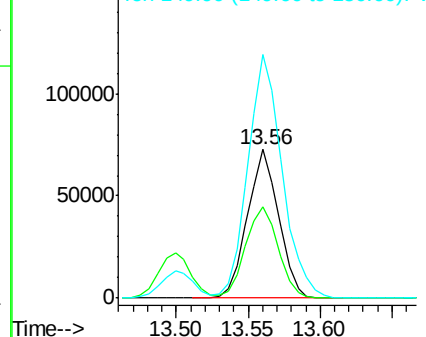
150 180.1 0.0 351.0

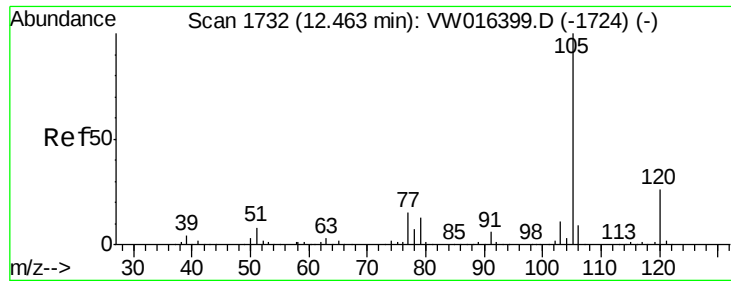


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 59.042 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 473319

Ion Ratio Lower Upper

105 100

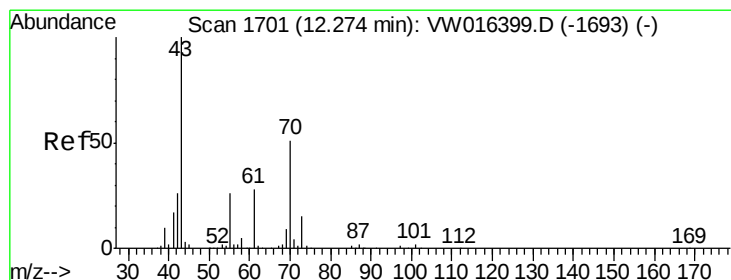
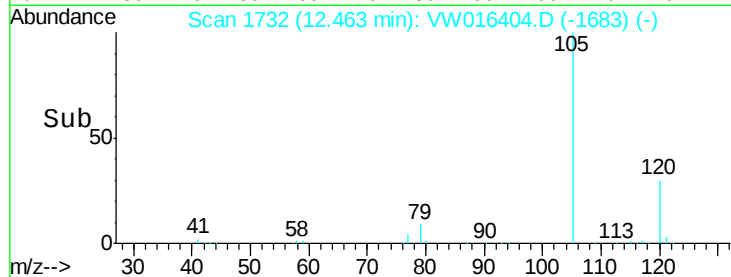
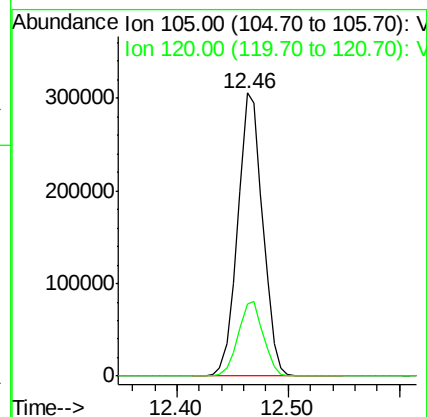
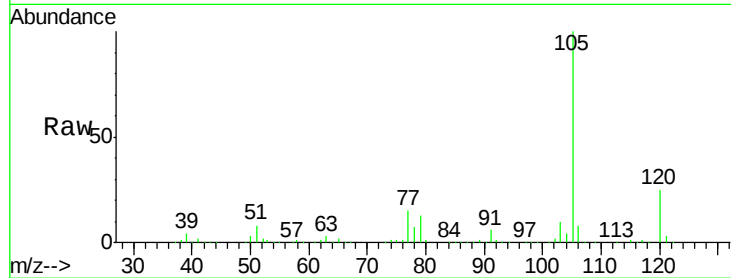
120 26.3 13.2 39.6

Manual Integrations

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MMDadoda

9/1/2020 12:40:14 PM



#74

N-ethyl acetate

Concen: 53.937 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Tgt Ion: 43 Resp: 75670

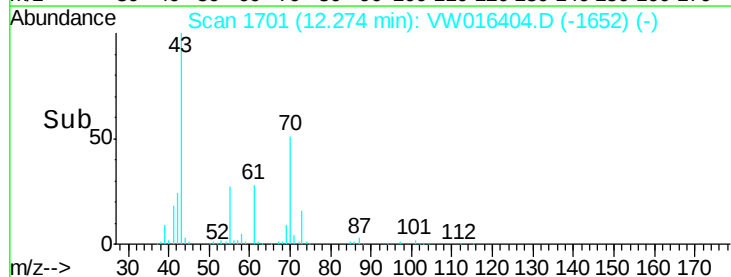
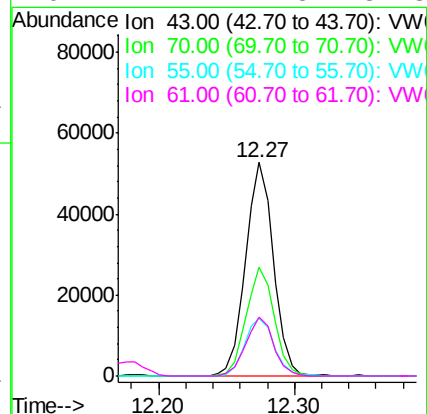
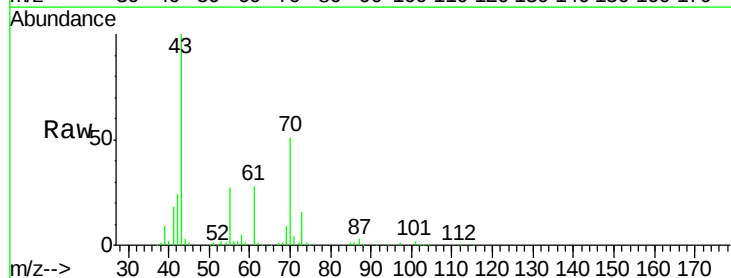
Ion Ratio Lower Upper

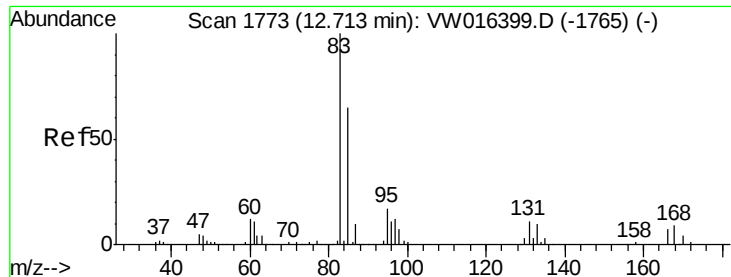
43 100

70 51.3 40.8 61.2

55 28.3 21.6 32.4

61 27.4 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 54.391 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

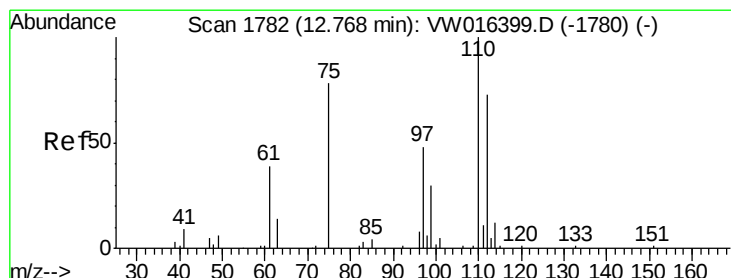
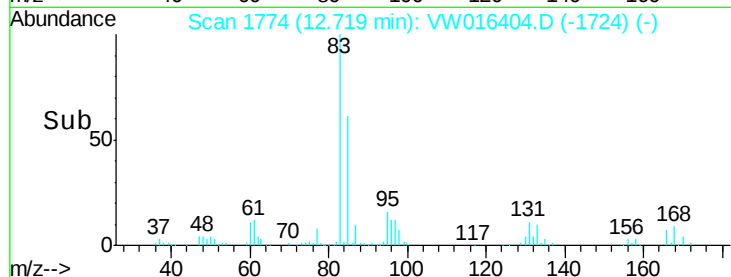
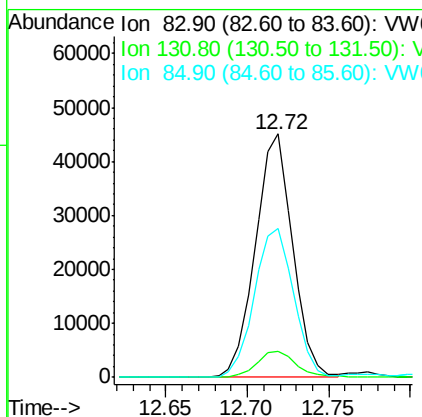
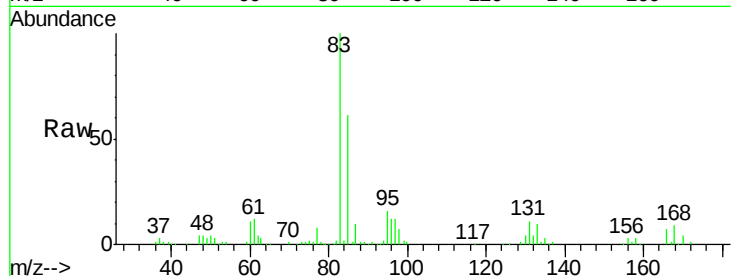
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	71780
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.9	17.8
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.926 ug/l m

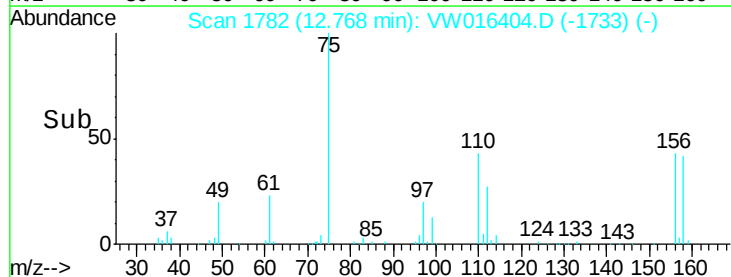
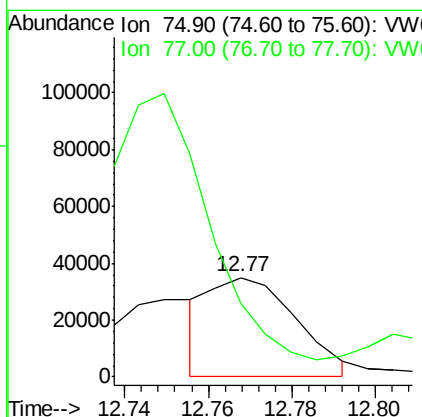
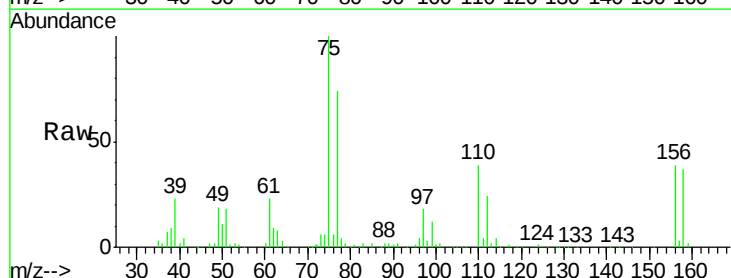
RT: 12.77 min Scan# 1782

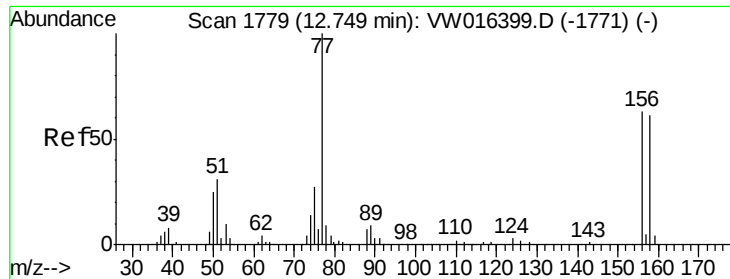
Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Tgt Ion:	75	Resp:	50882
Ion Ratio	Lower	Upper	
75	100		
77	363.1	173.4	520.2





#77

Bromobenzene

Concen: 55.812 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

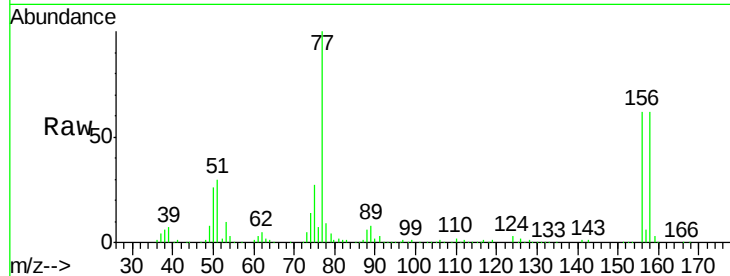
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	104014
Ion Ratio	Lower	Upper	
156	100		
77	177.6	90.0	269.9
158	95.7	47.3	141.8

Manual Integrations
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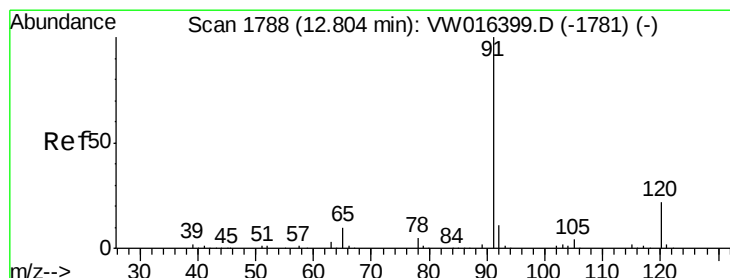
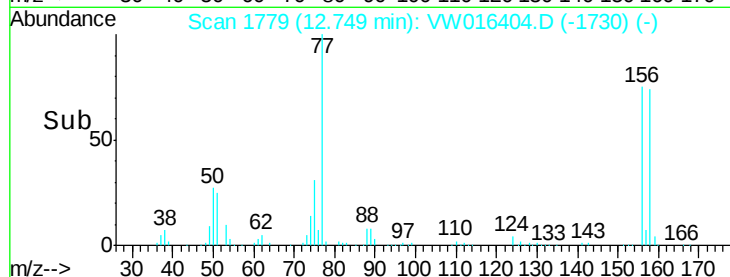
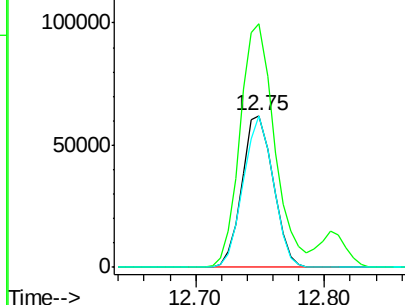
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.900 ug/l

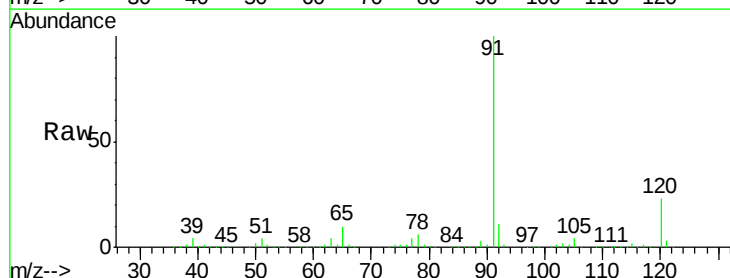
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016404.D

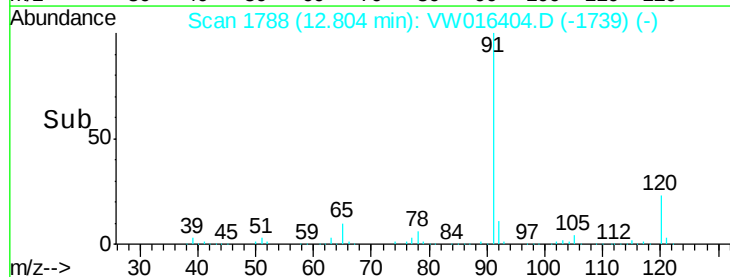
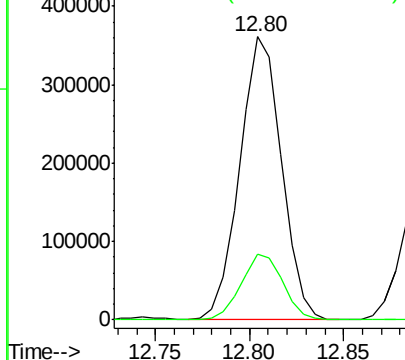
Acq: 31 Aug 2020 11:44

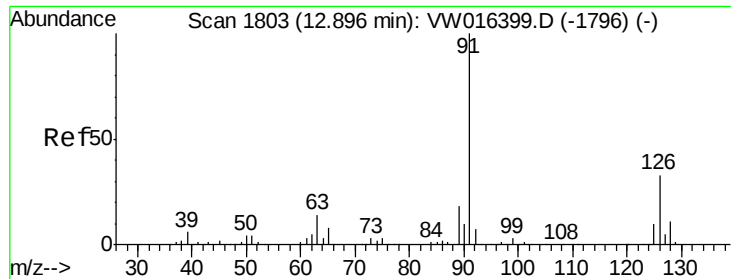
Tgt Ion:	91	Resp:	554303
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





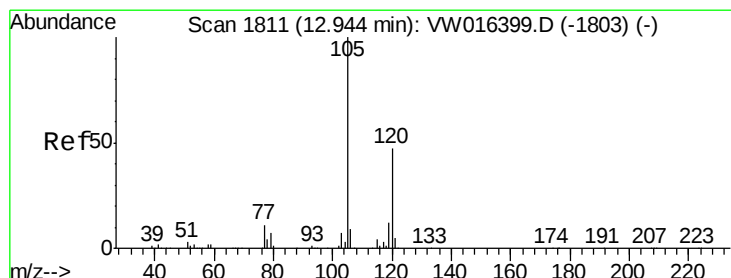
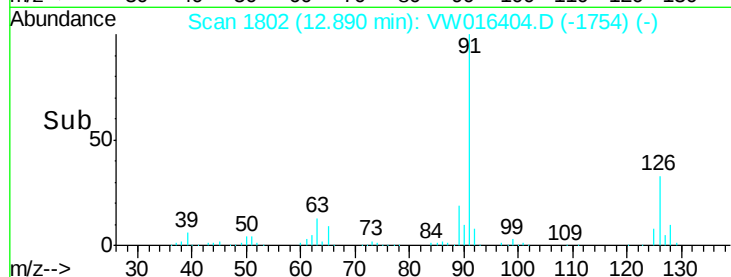
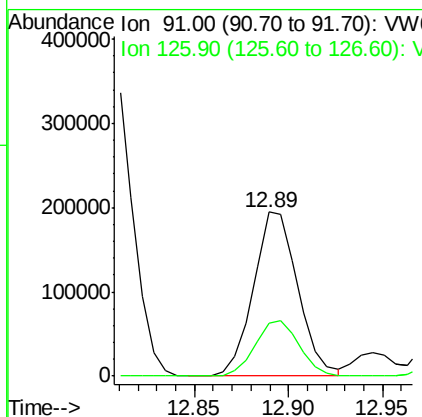
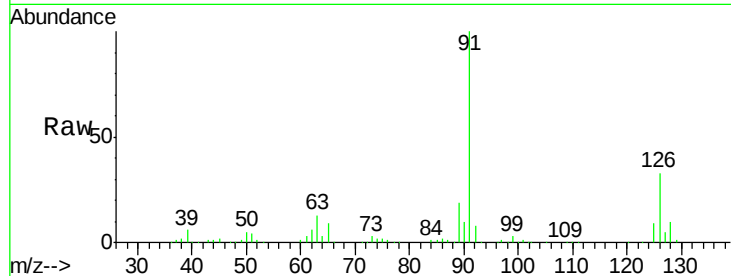
#79
 2-Chlorotoluene
 Concen: 57.415 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 318209
 Ion Ratio Lower Upper
 91 100
 126 33.5 16.4 49.1

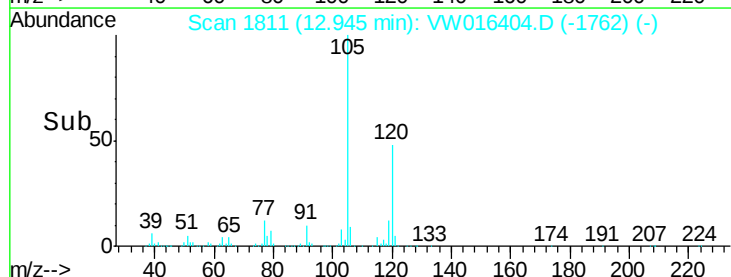
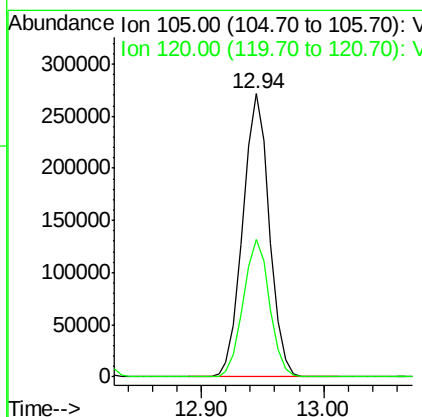
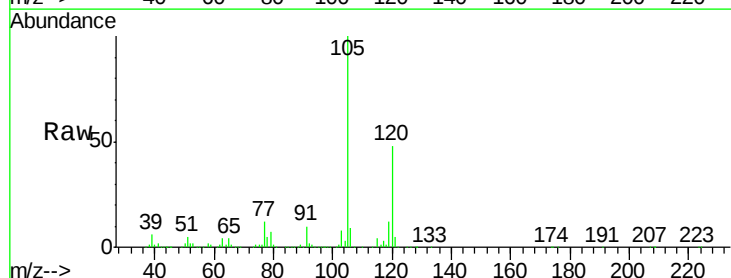
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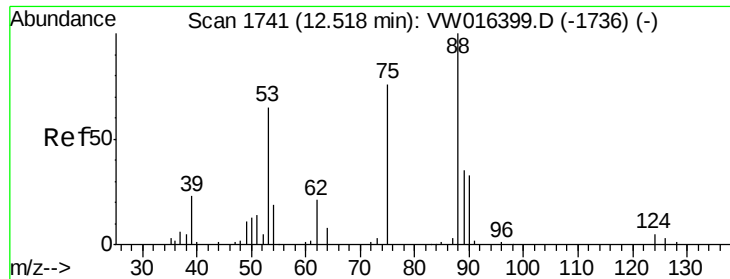
MMDadoda
 9/1/2020 12:40:14 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 57.943 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion:105 Resp: 407410
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.8 71.2





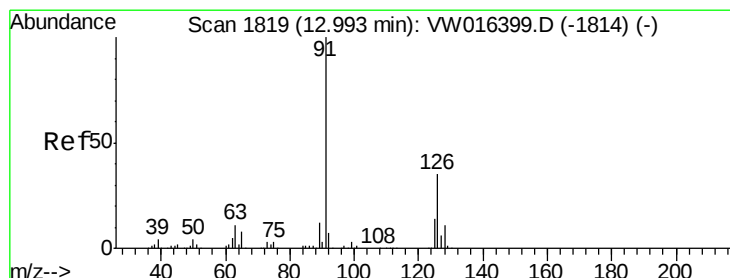
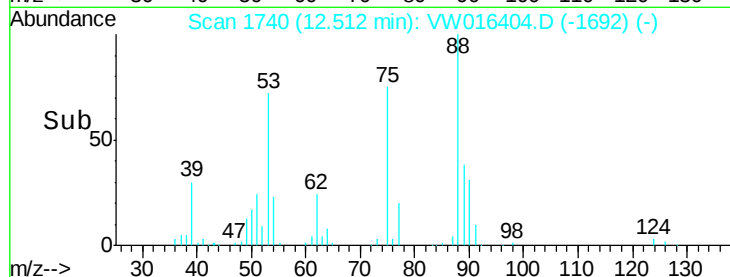
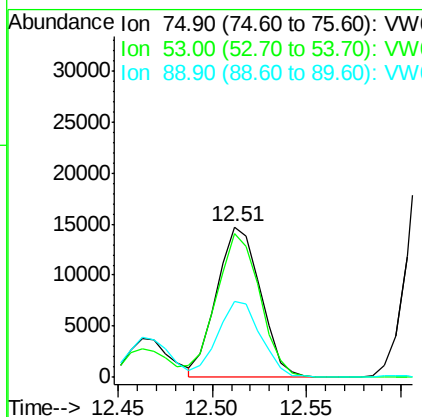
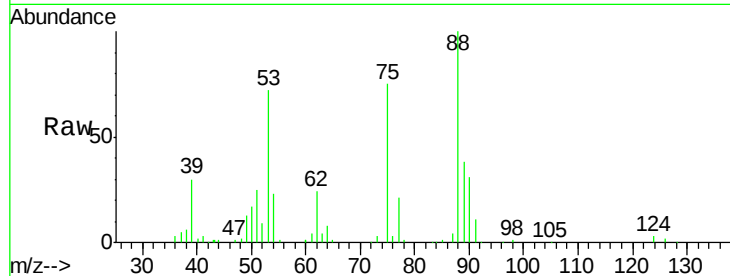
#81
trans-1,4-Dichloro-2-butene
Concen: 54.924 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	75.2	112.8
89	49.9	40.4	60.6

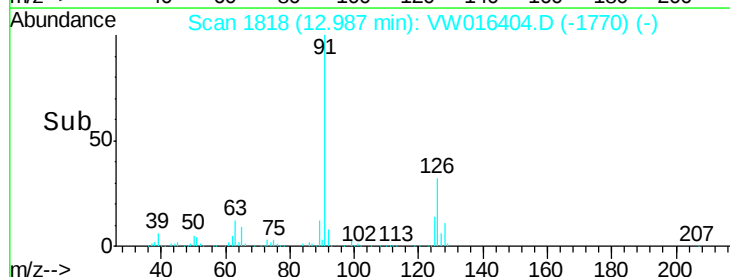
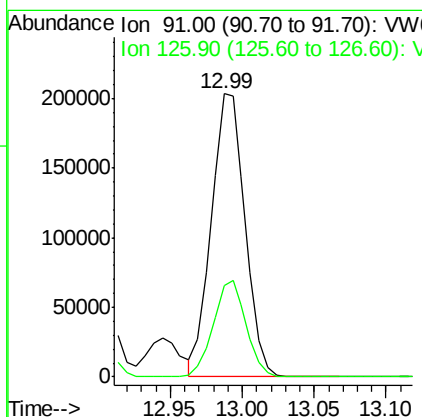
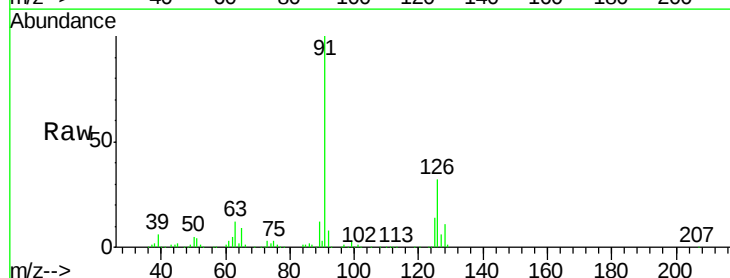
Manual Integrations
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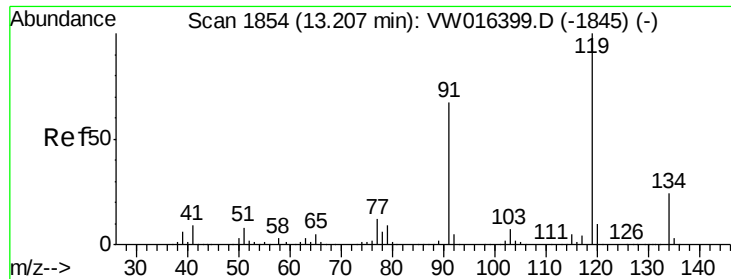
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#82
4-Chlorotoluene
Concen: 57.135 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	17.0	50.9





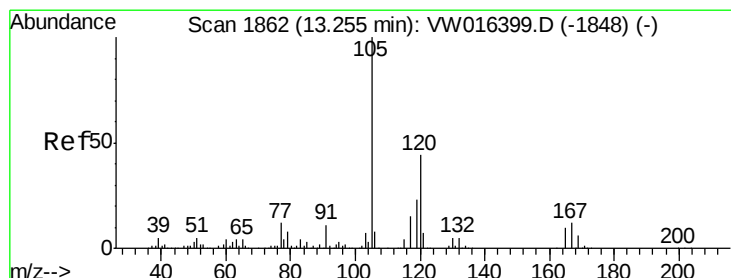
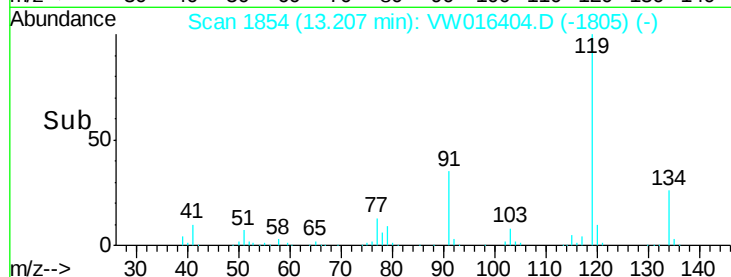
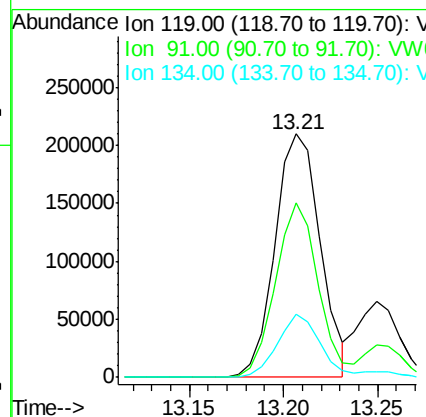
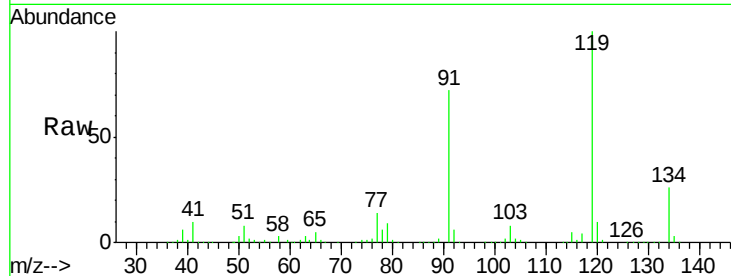
#83
tert-Butylbenzene
Concen: 59.041 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.1	102.3
134	26.3	12.3	36.8

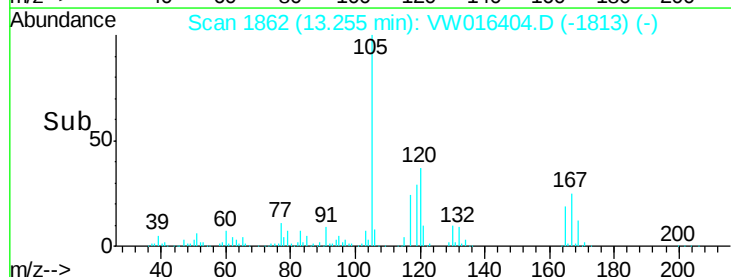
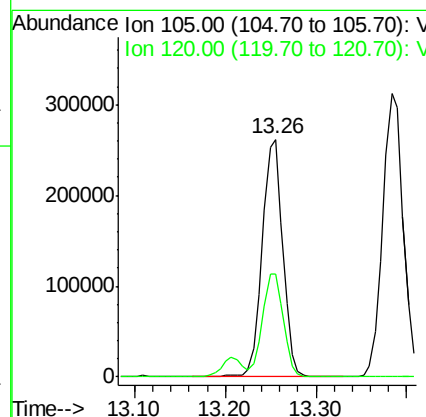
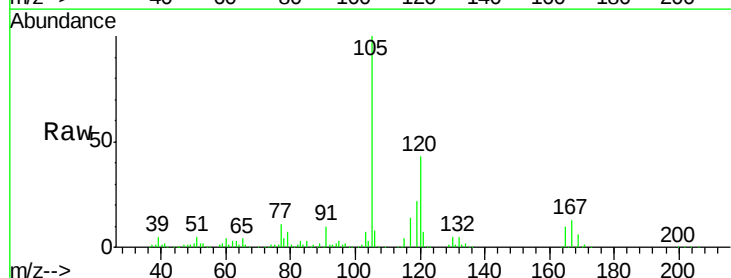
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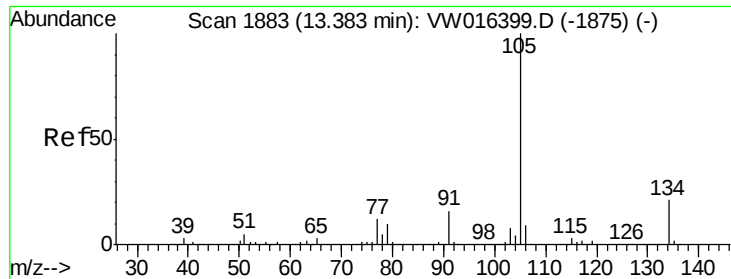
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#84
1,2,4-Trimethylbenzene
Concen: 58.533 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1





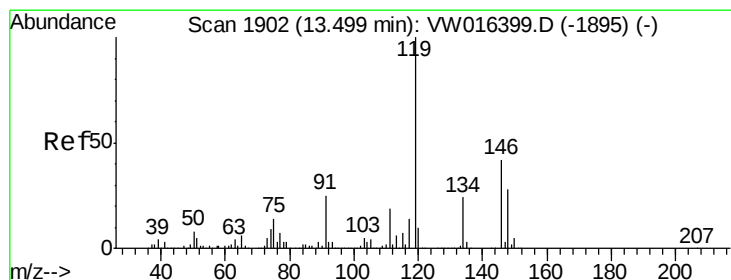
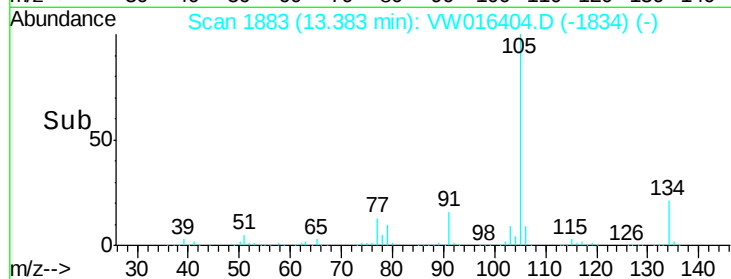
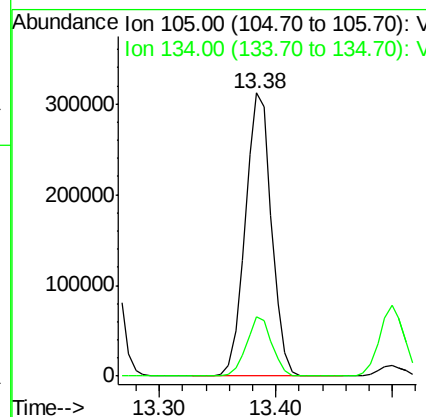
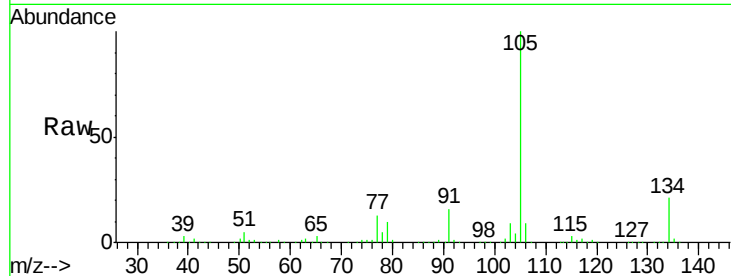
#85
 sec-Butylbenzene
 Concen: 59.675 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 488098
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.0 30.0

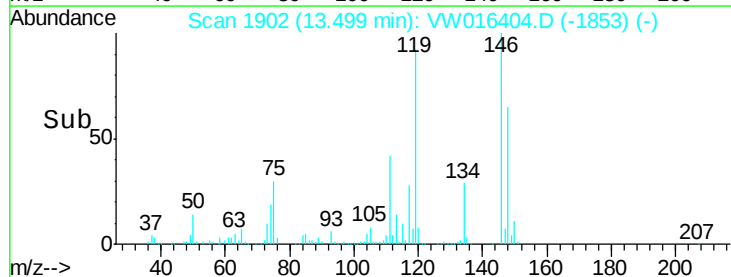
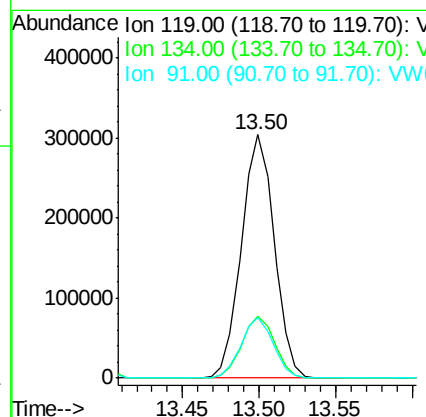
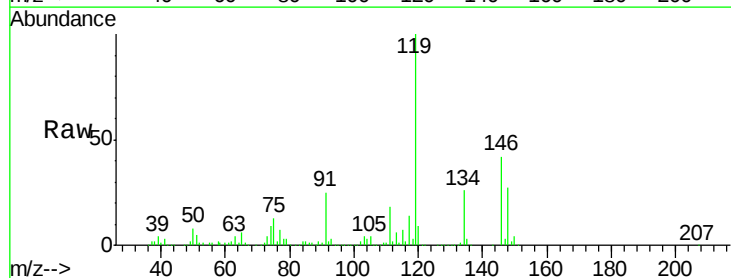
Manual Integrations
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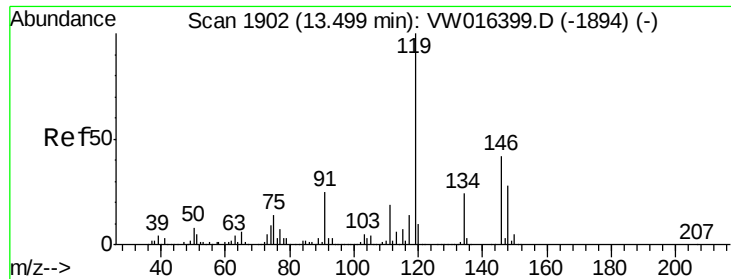
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#86
 p-Isopropyltoluene
 Concen: 59.400 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion:119 Resp: 453565
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.6
 91 24.5 12.2 36.4





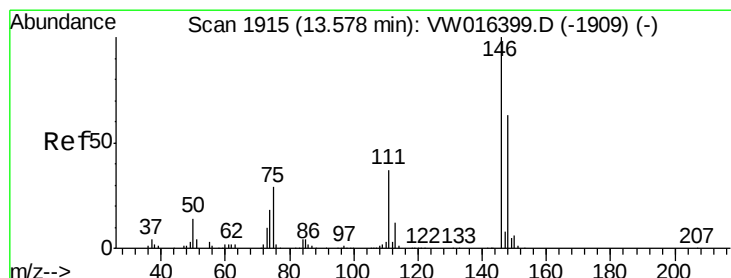
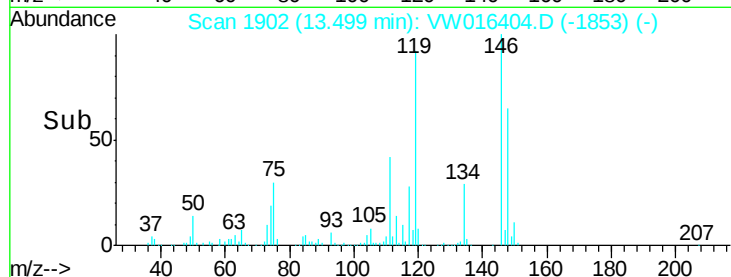
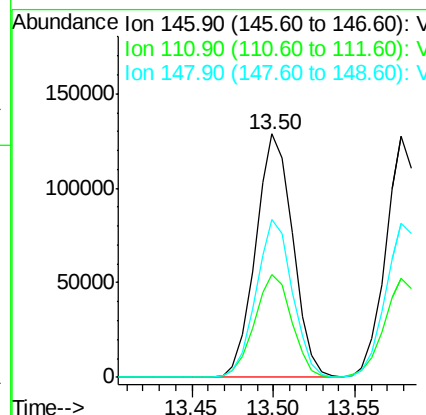
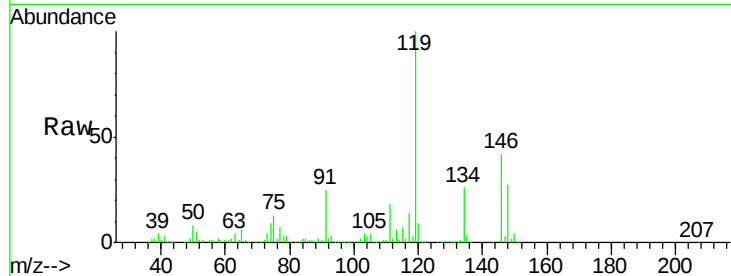
#87
 1,3-Dichlorobenzene
 Concen: 57.046 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.6	67.8
148	63.5	33.6	100.8

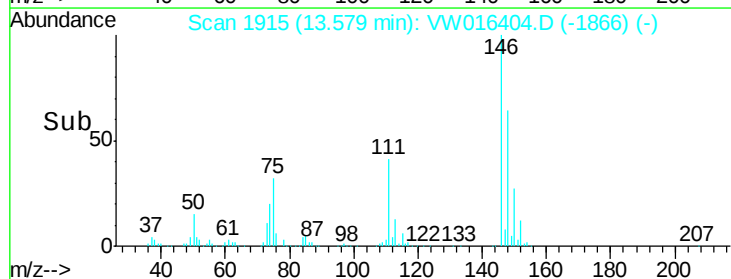
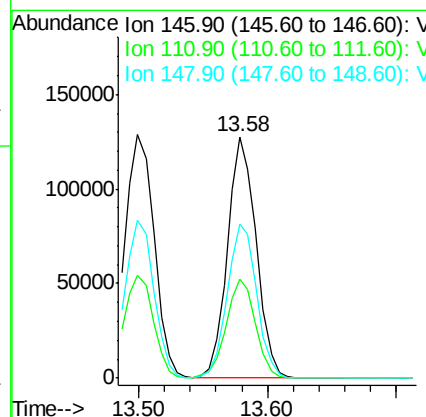
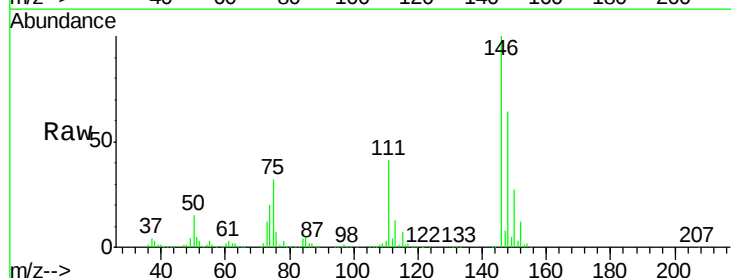
Manual Integrations
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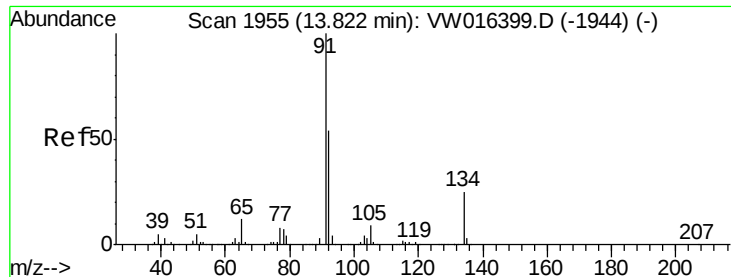
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 55.613 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.3
148	65.1	32.0	96.2





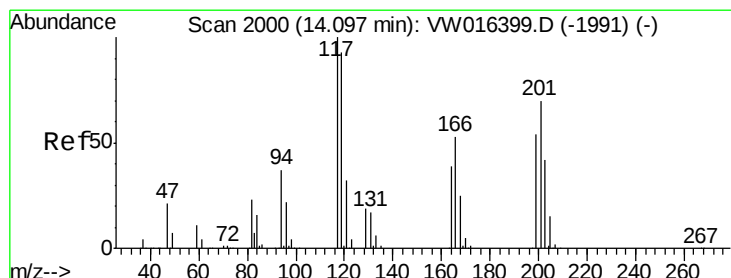
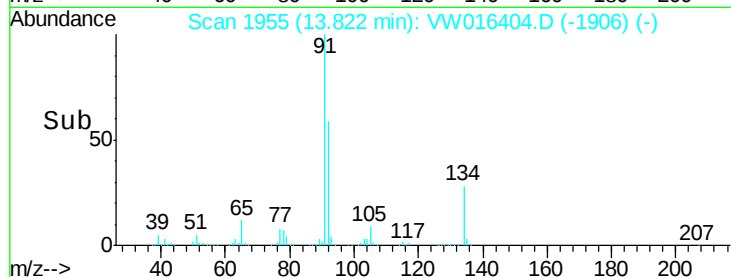
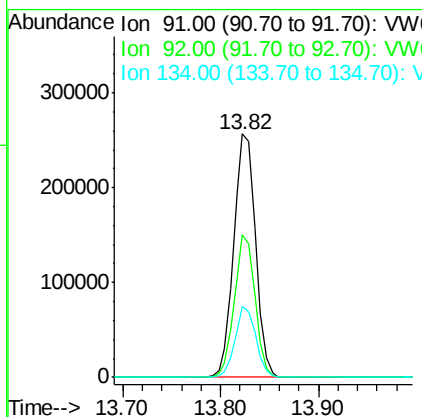
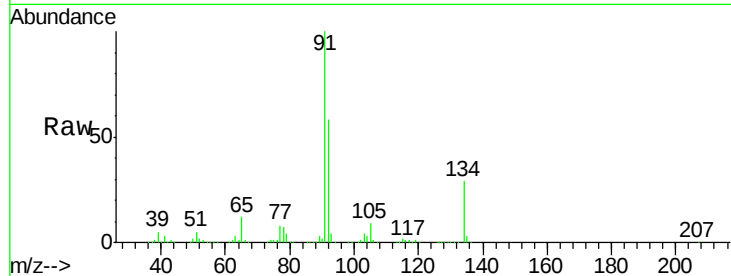
#89
n-Butylbenzene
Concen: 56.558 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.7	26.8	80.4	
134	27.7	13.2	39.6	

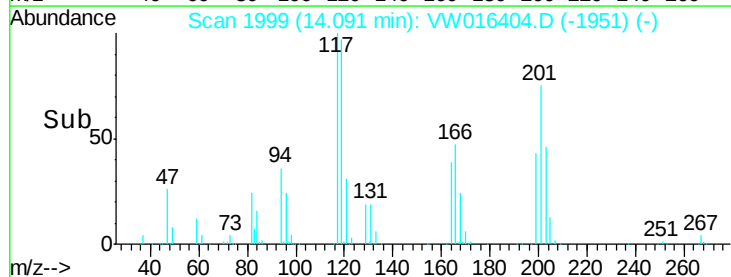
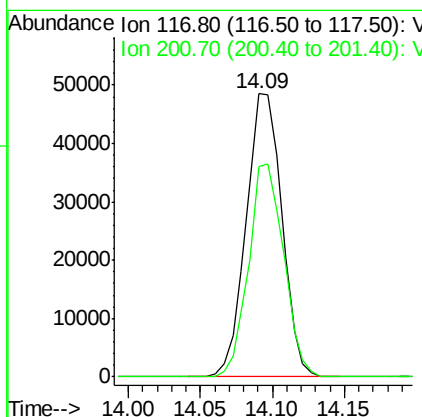
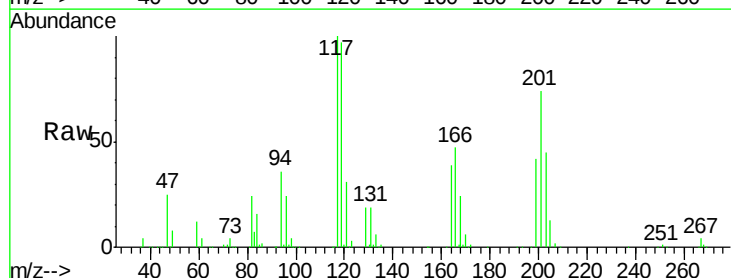
Manual Integrations
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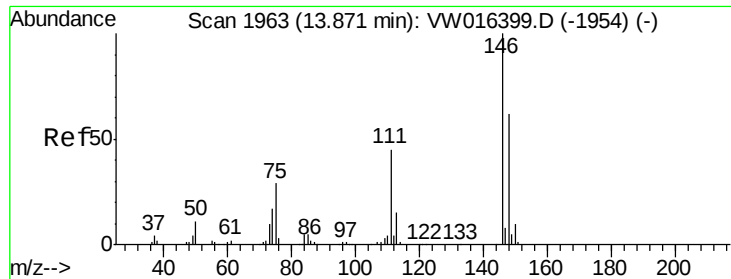
MMDadoda
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#90
Hexachloroethane
Concen: 58.016 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW016404.D
Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	73.8	35.9	107.7	





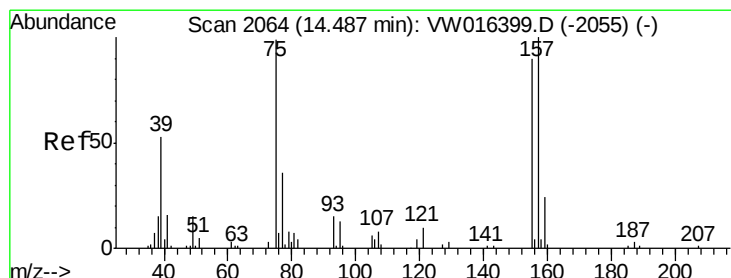
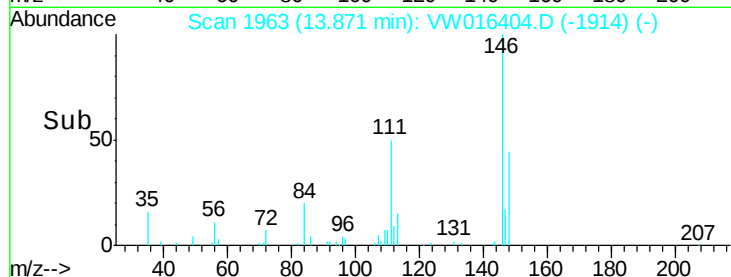
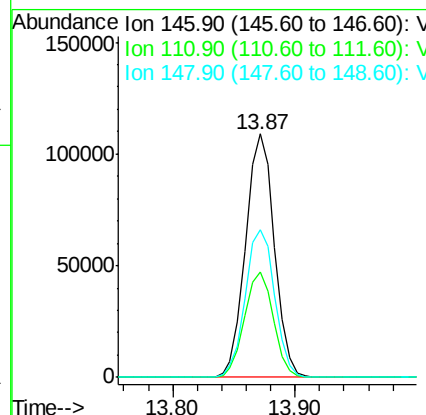
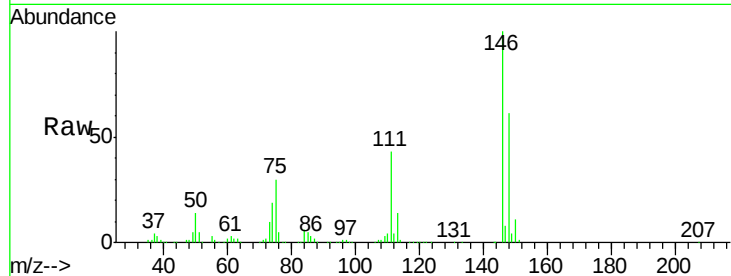
#91
 1,2-Dichlorobenzene
 Concen: 55.464 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.3	66.8
148	62.0	32.0	96.0

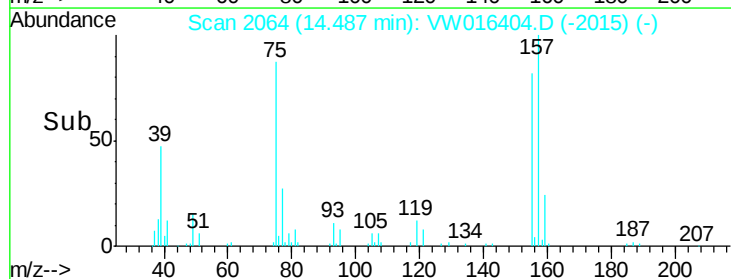
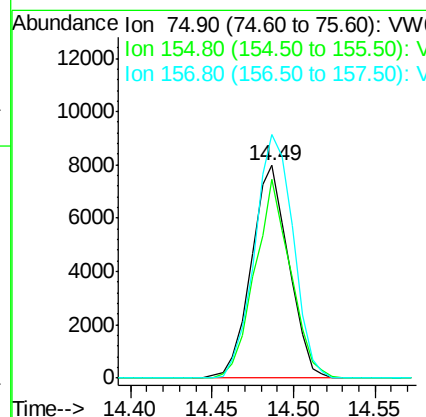
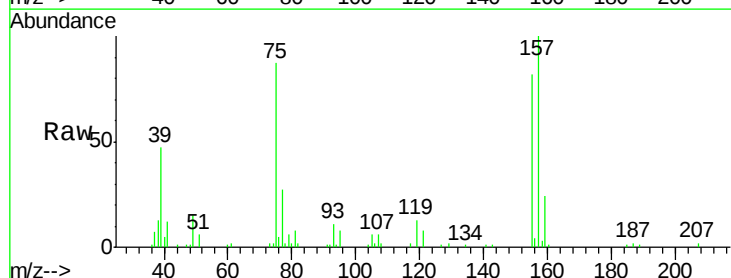
Manual Integrations
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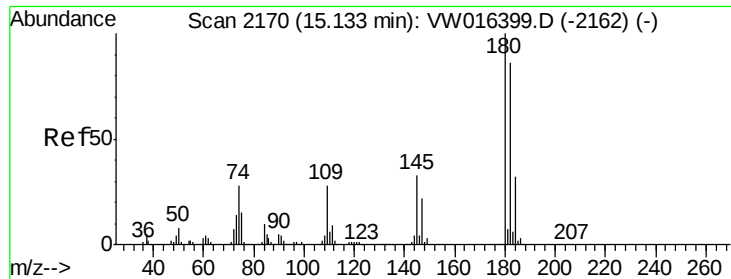
MMDadoda
 9/1/2020 12:40:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.022 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.3	41.4	124.4
157	117.6	52.1	156.4





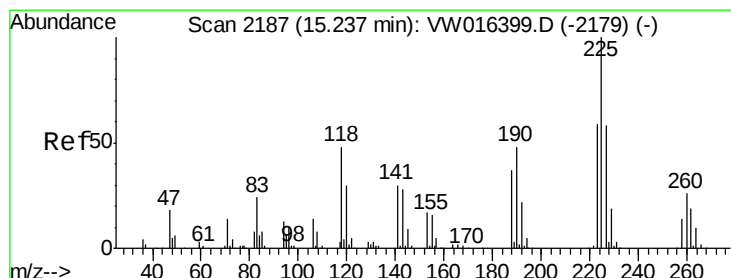
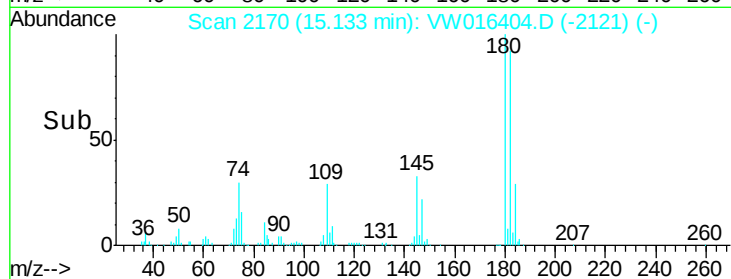
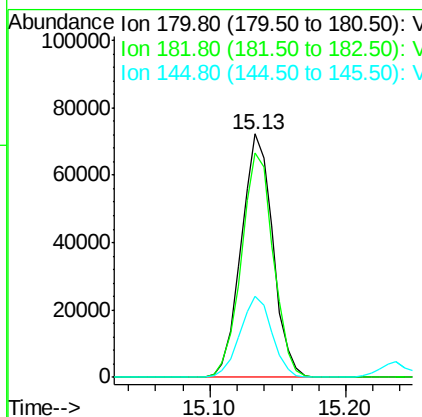
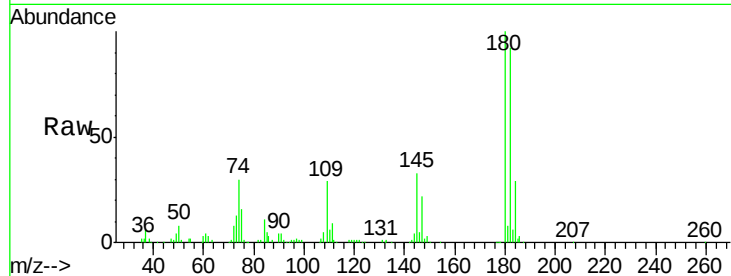
#93
 1,2,4-Trichlorobenzene
 Concen: 55.113 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117238		
182	93.6	44.9	134.7	
145	33.9	17.1	51.2	

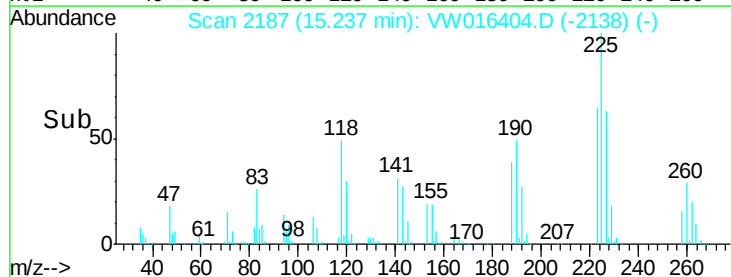
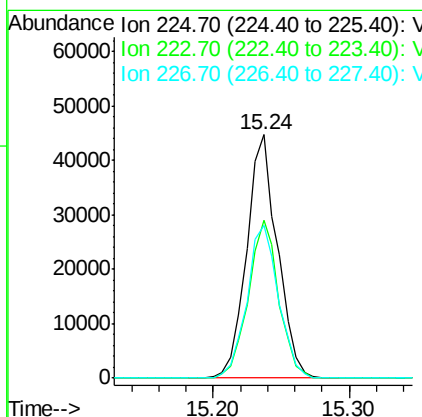
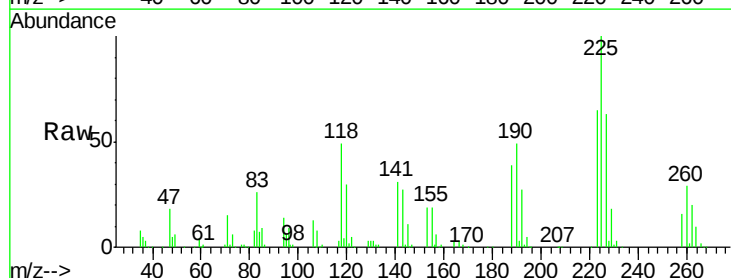
Manual Integrations
 APPROVED

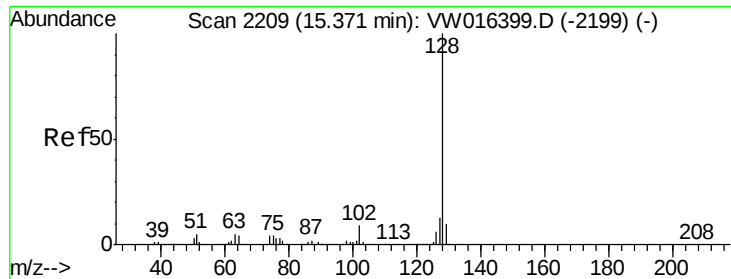
MMDadoda
 9/1/2020 12:40:14 PM



#94
 Hexachlorobutadiene
 Concen: 55.642 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW016404.D
 Acq: 31 Aug 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70664		
223	64.2	30.5	91.5	
227	64.8	30.7	92.1	





#95

Naphthalene

Concen: 54.463 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Instrument :

MSVOA_W

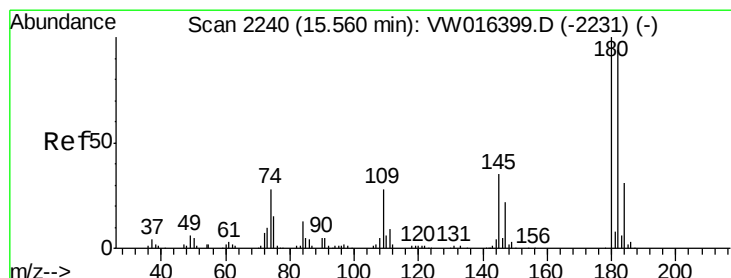
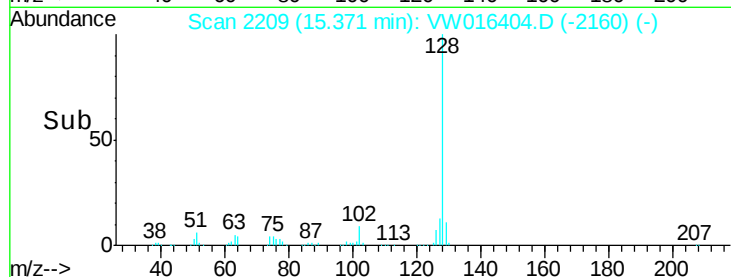
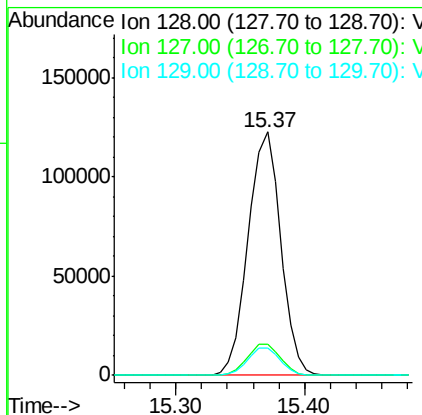
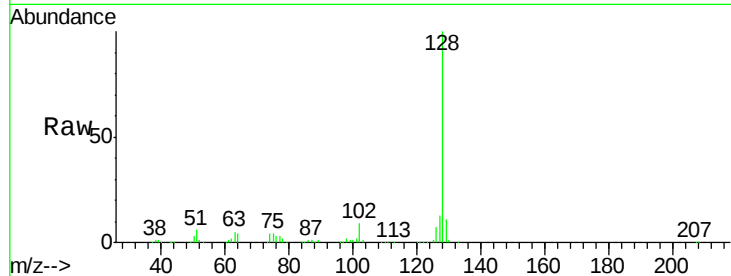
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	214393
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.4
129	11.3	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
9/1/2020 12:40:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.729 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016404.D

Acq: 31 Aug 2020 11:44

Tgt Ion:	180	Resp:	102007
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.5	139.5
145	35.6	18.1	54.3

