

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082820\
 Data File : VW016401.D
 Acq On : 28 Aug 2020 14:31
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:59:33 AM

Quant Time: Aug 28 15:01:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 14:25:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	179003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	284786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	256803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	262929	151.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.52%	
35) Dibromofluoromethane	7.89	113	259250	148.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.72%	
50) Toluene-d8	10.32	98	969761	144.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.18%	
62) 4-Bromofluorobenzene	12.62	95	360750	149.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	154616	128.156	ug/l	99
3) Chloromethane	2.21	50	145340	116.202	ug/l	100
4) Vinyl Chloride	2.37	62	200193	113.977	ug/l	97
5) Bromomethane	2.77	94	143955	129.538	ug/l	100
6) Chloroethane	2.92	64	125731	125.974	ug/l	94
7) Trichlorofluoromethane	3.26	101	262043	173.077	ug/l	98
8) Diethyl Ether	3.68	74	127442	139.577	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	245911	129.337	ug/l	100
10) Methyl Iodide	4.27	142	379336	136.823	ug/l	99
11) Tert butyl alcohol	5.18	59	80511	844.725	ug/l	98
12) 1,1-Dichloroethene	4.04	96	251575	130.119	ug/l	99
13) Acrolein	3.90	56	58081	462.938	ug/l	96
14) Allyl chloride	4.67	41	320377	125.112	ug/l	100
15) Acrylonitrile	5.37	53	247699	726.436	ug/l	100
16) Acetone	4.13	43	228227	713.937	ug/l	95
17) Carbon Disulfide	4.38	76	708441	125.618	ug/l	100
18) Methyl Acetate	4.67	43	104739	137.078	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	375024	154.069	ug/l	99
20) Methylene Chloride	4.92	84	265390	107.336	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	276793	131.315	ug/l	99
22) Diisopropyl ether	6.31	45	609579	126.078	ug/l	99
23) Vinyl Acetate	6.26	43	1949688	701.828	ug/l	99
24) 1,1-Dichloroethane	6.22	63	440375	129.370	ug/l	99
25) 2-Butanone	7.17	43	303427	698.520	ug/l	95
26) 2,2-Dichloropropane	7.17	77	302387	134.301	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	304355	138.951	ug/l	97
28) Bromochloromethane	7.51	49	161601	126.800	ug/l	99
29) Tetrahydrofuran	7.53	42	189704	726.378	ug/l	99
30) Chloroform	7.68	83	488352	135.986	ug/l	99
31) Cyclohexane	7.96	56	377650	120.905	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	435155	143.176	ug/l	98
36) 1,1-Dichloropropene	8.09	75	383080	136.528	ug/l	100
37) Ethyl Acetate	7.25	43	134524	141.543	ug/l	98
38) Carbon Tetrachloride	8.07	117	427704	150.171	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	487573	144.602	ug/l	98
40) Benzene	8.32	78	1035582	132.009	ug/l	99
41) Methacrylonitrile	7.48	41	77269	142.951	ug/l	96
42) 1,2-Dichloroethane	8.40	62	318254	150.664	ug/l	100
43) Isopropyl Acetate	8.43	43	274249	152.159	ug/l	99
44) Trichloroethene	9.09	130	306891	136.581	ug/l	94
45) 1,2-Dichloropropane	9.37	63	237838	129.410	ug/l	99
46) Dibromomethane	9.46	93	143016	145.709	ug/l	96
47) Bromodichloromethane	9.65	83	376848	147.846	ug/l	98
48) Methyl methacrylate	9.44	41	141146	168.912	ug/l	92
49) 1,4-Dioxane	9.46	88	41458	3370.949	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	672766	743.190	ug/l	100
52) Toluene	10.39	92	697371	138.493	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	380759	160.834	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	438566	150.806	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	203552	144.290	ug/l	96
56) Ethyl methacrylate	10.65	69	261916	164.148	ug/l	98
57) 1,3-Dichloropropane	10.93	76	343014	143.792	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	542372	745.230	ug/l	99
59) 2-Hexanone	10.97	43	469403	760.809	ug/l	98
60) Dibromochloromethane	11.13	129	269226	158.504	ug/l	100
61) 1,2-Dibromoethane	11.24	107	202794	149.256	ug/l	97
64) Tetrachloroethene	10.87	164	254147	147.841	ug/l	95
65) Chlorobenzene	11.66	112	754782	141.796	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	281677	150.197	ug/l	98
67) Ethyl Benzene	11.73	91	1382302	145.153	ug/l	97
68) m/p-Xylenes	11.84	106	1030657	281.747	ug/l	99
69) o-Xylene	12.17	106	487833	149.642	ug/l	97
70) Styrene	12.18	104	844927	149.694	ug/l	99
71) Bromoform	12.35	173	146815	171.978	ug/l #	95
73) Isopropylbenzene	12.47	105	1379079	153.282	ug/l	100
74) N-amyl acetate	12.27	43	247757	155.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	219385	147.185	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	158559m	147.049	ug/l	
77) Bromobenzene	12.75	156	307354	152.985	ug/l	99
78) n-propylbenzene	12.80	91	1582679	147.929	ug/l	100
79) 2-Chlorotoluene	12.90	91	912304	147.244	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1161219	149.685	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	75575	167.796	ug/l	98
82) 4-Chlorotoluene	12.99	91	950536	147.693	ug/l	98
83) tert-Butylbenzene	13.21	119	994326	156.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1152152	150.868	ug/l	99
85) sec-Butylbenzene	13.38	105	1360038	148.357	ug/l	100
86) p-Isopropyltoluene	13.50	119	1263419	151.257	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	569720	144.117	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	578204	146.922	ug/l	99
89) n-Butylbenzene	13.82	91	1164567	151.453	ug/l	99
90) Hexachloroethane	14.10	117	240983	154.460	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	515800	147.974	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40953	174.397	ug/l	91

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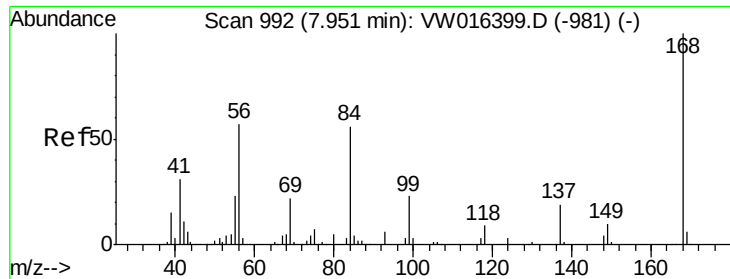
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	370781	176.009	ug/l	95
94) Hexachlorobutadiene	15.24	225	206598	162.038	ug/l	96
95) Naphthalene	15.36	128	745718	193.562	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	323592	179.153	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 179003

Ion Ratio Lower Upper

168 100

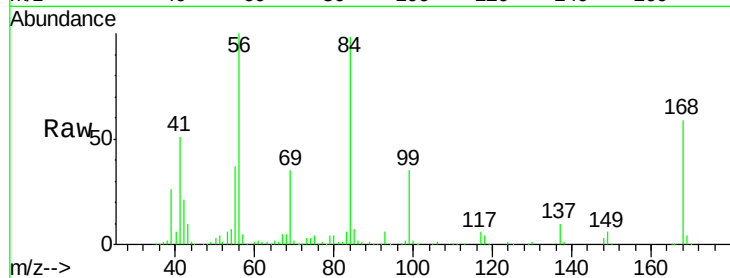
99 58.6 49.0 73.4

Manual Integrations

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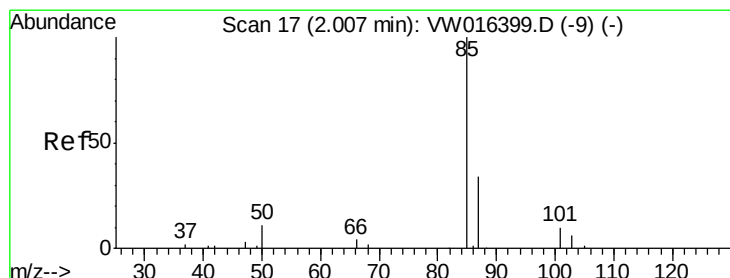
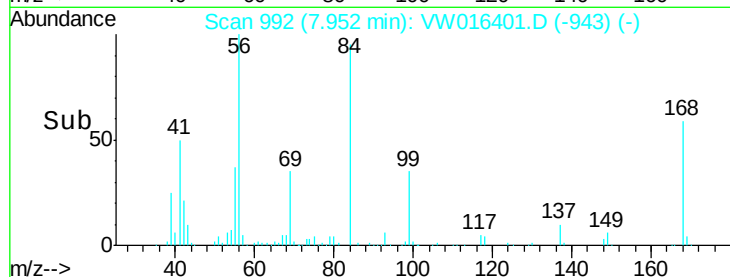
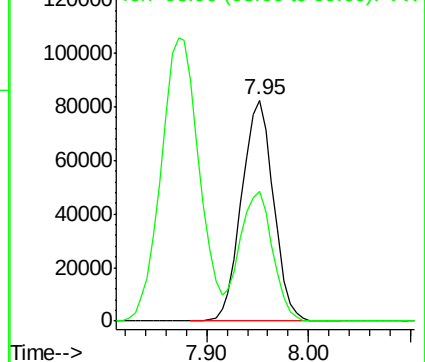
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 128.156 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016401.D

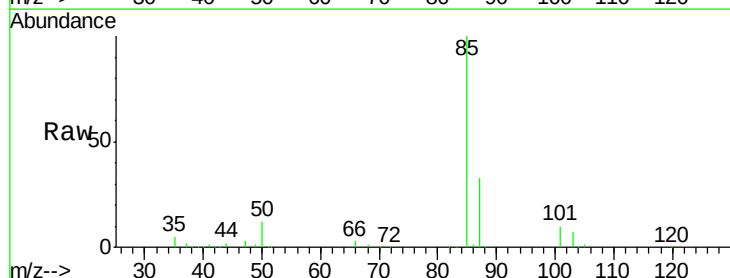
Acq: 28 Aug 2020 14:31

Tgt Ion: 85 Resp: 154616

Ion Ratio Lower Upper

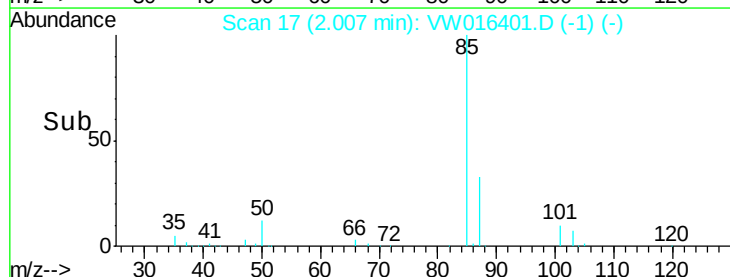
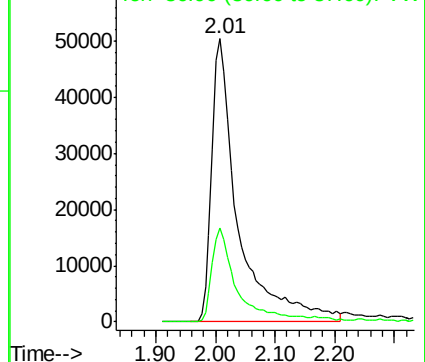
85 100

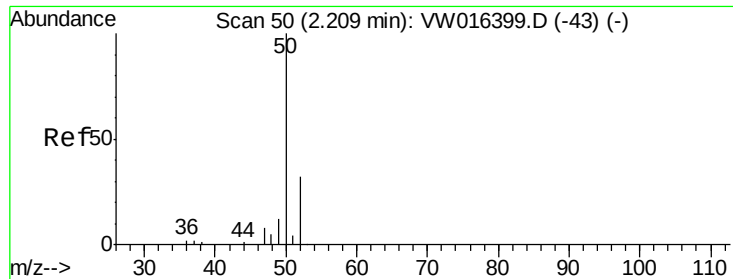
87 33.3 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 116.202 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 145340

Ion Ratio Lower Upper

50 100

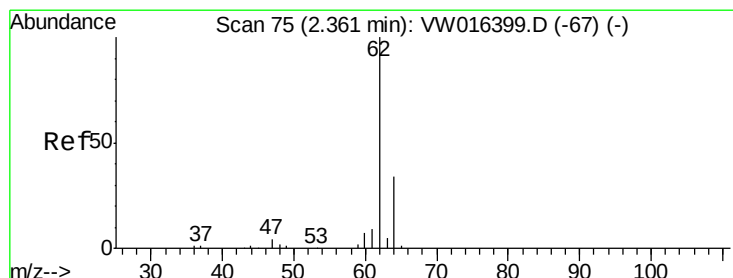
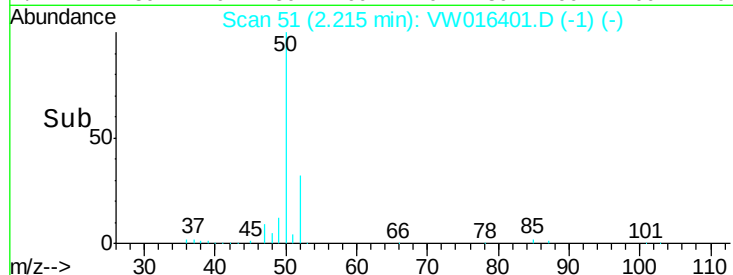
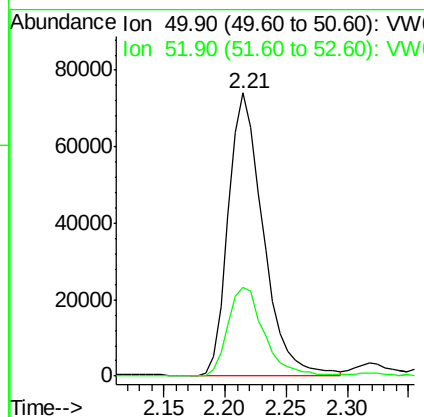
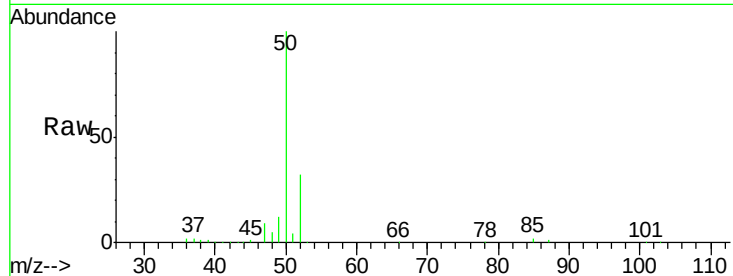
52 31.7 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 113.977 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW016401.D

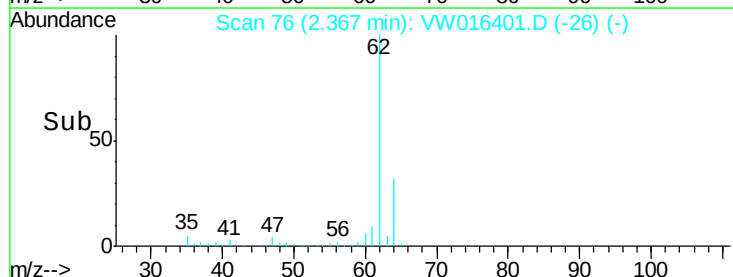
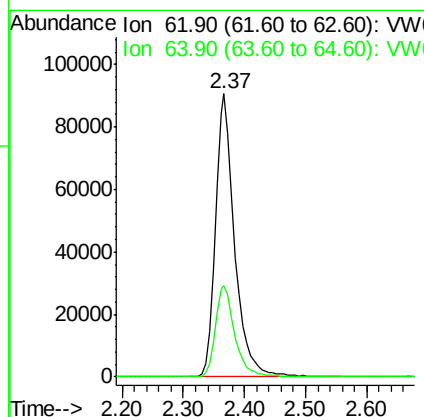
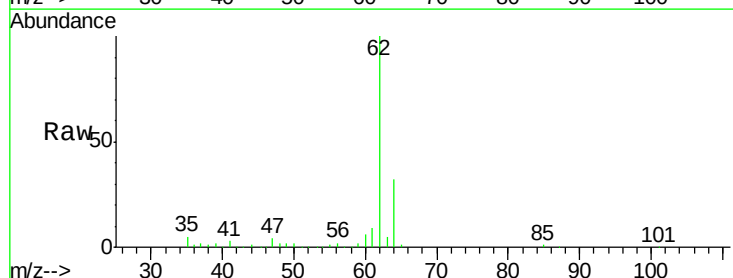
Acq: 28 Aug 2020 14:31

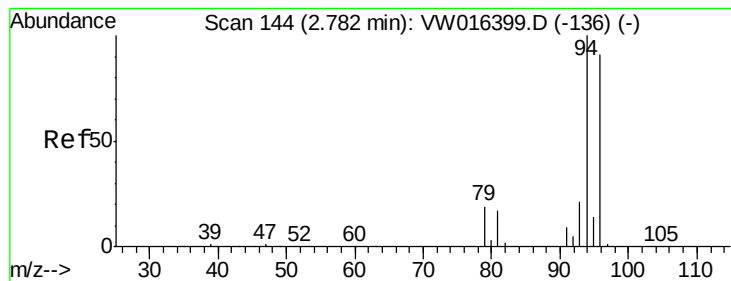
Tgt Ion: 62 Resp: 200193

Ion Ratio Lower Upper

62 100

64 32.2 27.2 40.8





#5

Bromomethane

Concen: 129.538 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 143955

Ion Ratio Lower Upper

94 100

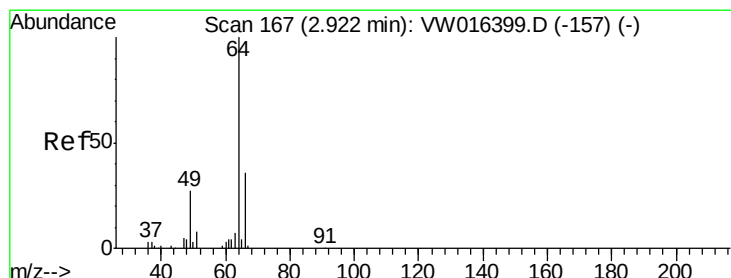
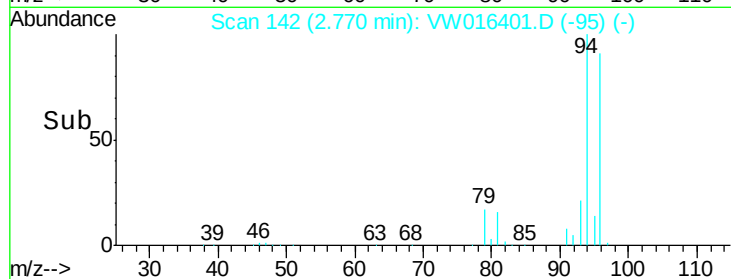
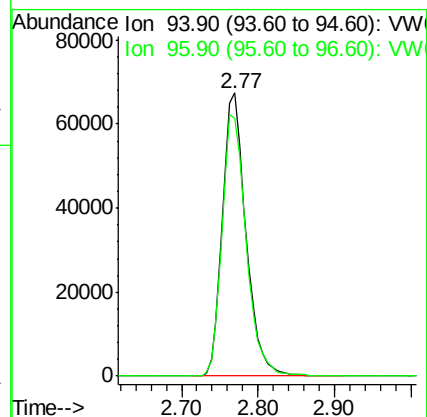
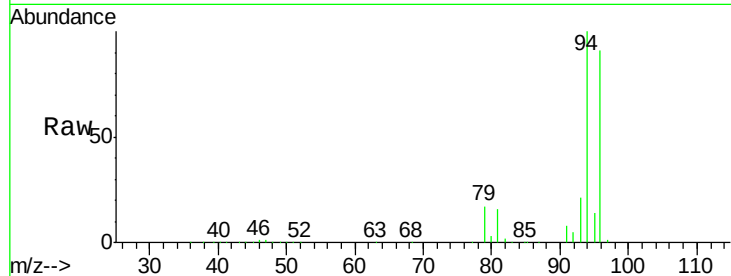
96 90.9 72.6 109.0

Manual Integrations

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8/31/2020 11:59:33 AM



#6

Chloroethane

Concen: 125.974 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW016401.D

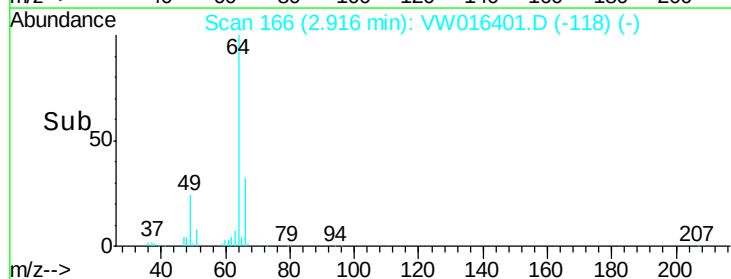
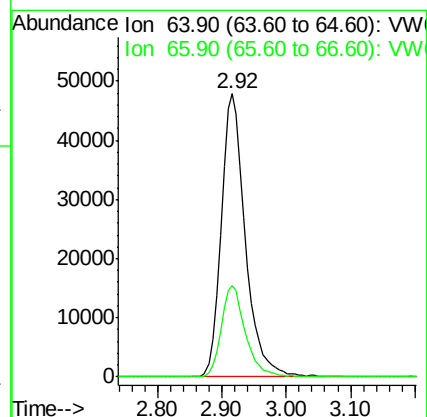
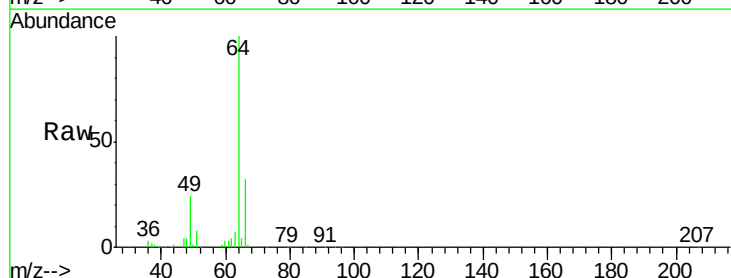
Acq: 28 Aug 2020 14:31

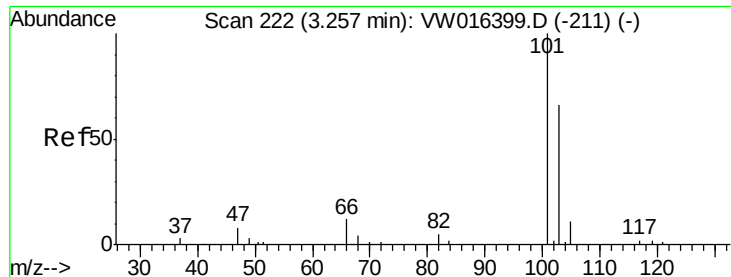
Tgt Ion: 64 Resp: 125731

Ion Ratio Lower Upper

64 100

66 32.4 28.7 43.1





#7

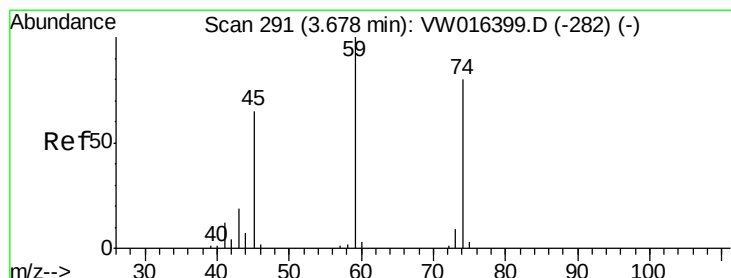
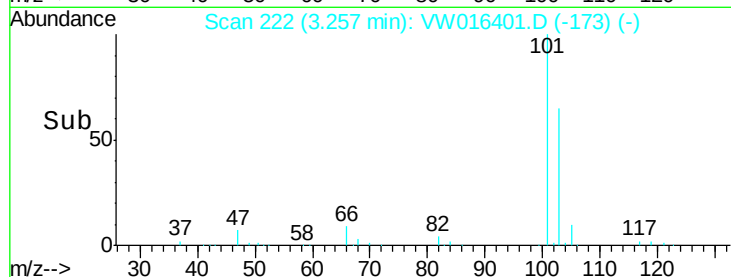
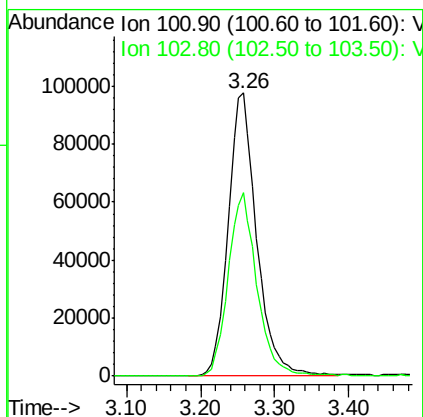
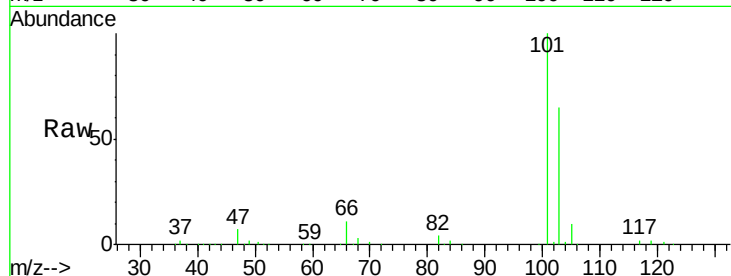
Trichlorofluoromethane
 Concen: 173.077 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.0	79.4

Manual Integrations
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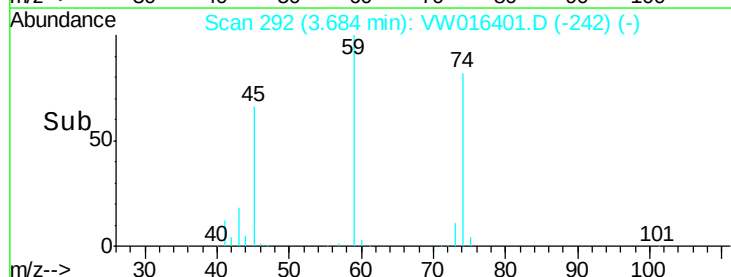
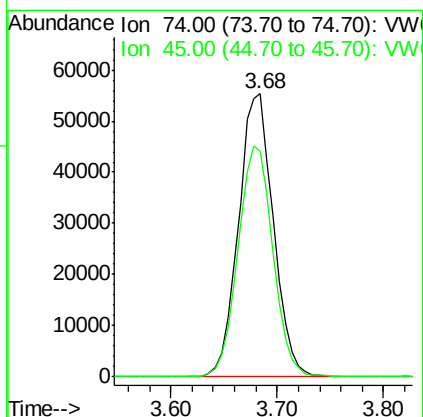
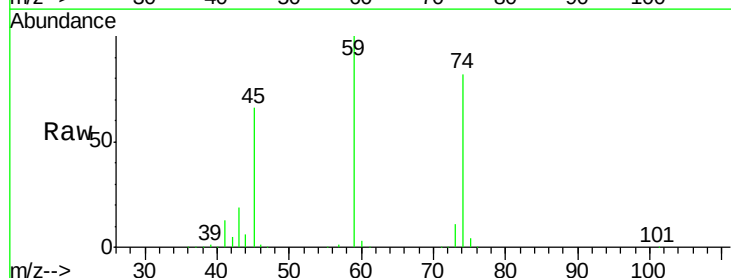
MMDadoda
 8/31/2020 11:59:33 AM

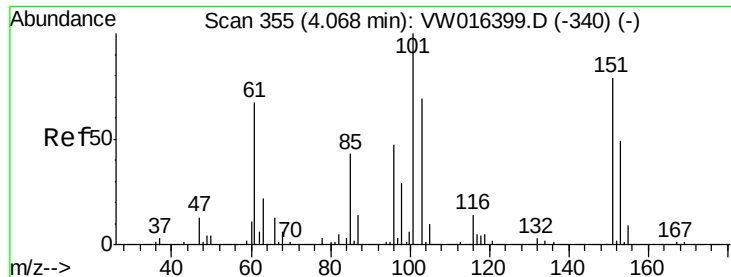


#8

Diethyl Ether
 Concen: 139.577 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.8	42.0	126.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 129.337 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

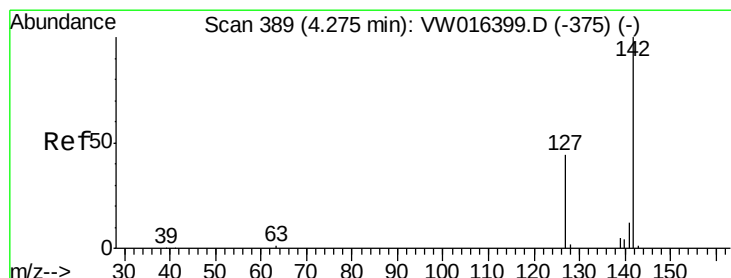
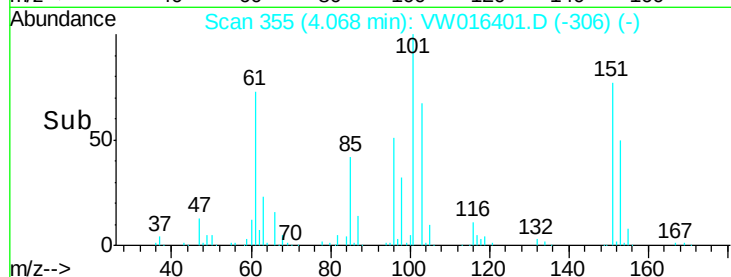
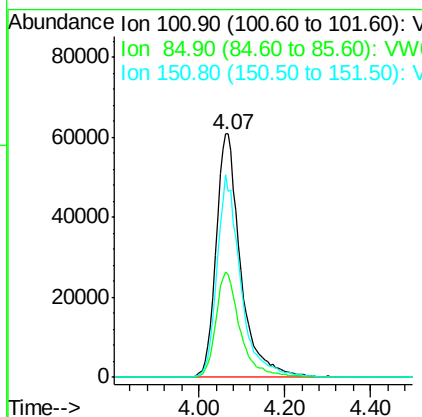
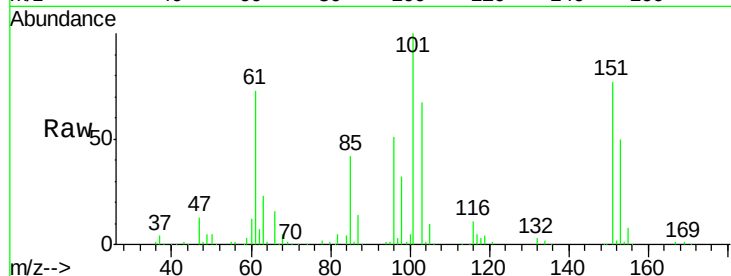
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	245911
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.2
151	79.9	63.8	95.8

Manual Integrations
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MMDadoda
8/31/2020 11:59:33 AM



#10

Methyl Iodide

Concen: 136.823 ug/l

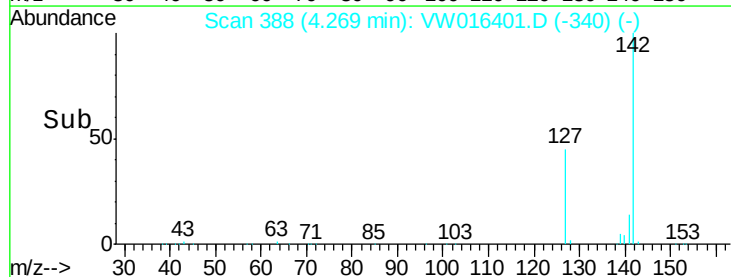
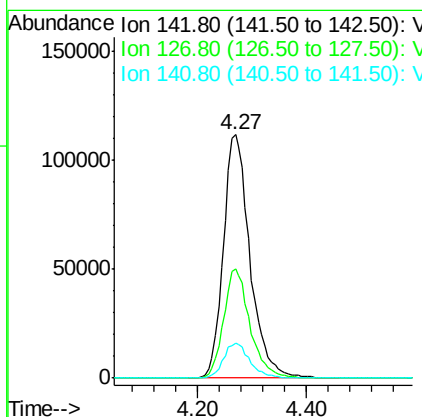
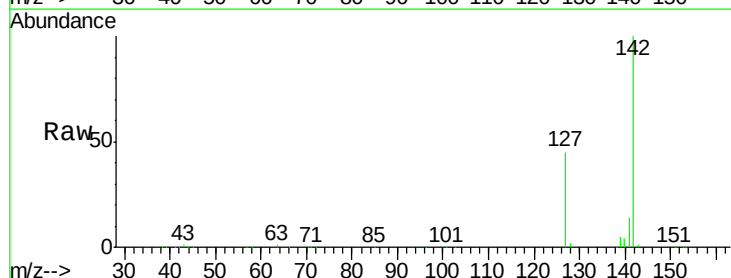
RT: 4.27 min Scan# 388

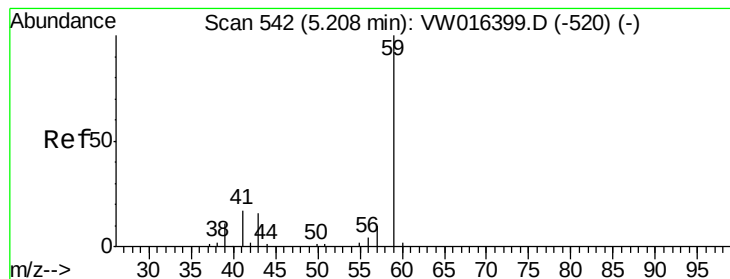
Delta R.T. -0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion:	142	Resp:	379336
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.2	54.4
141	14.4	11.8	17.6





#11

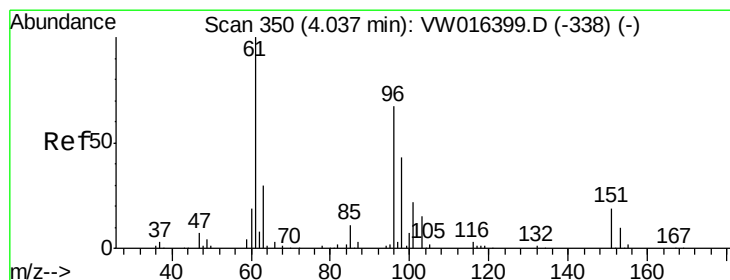
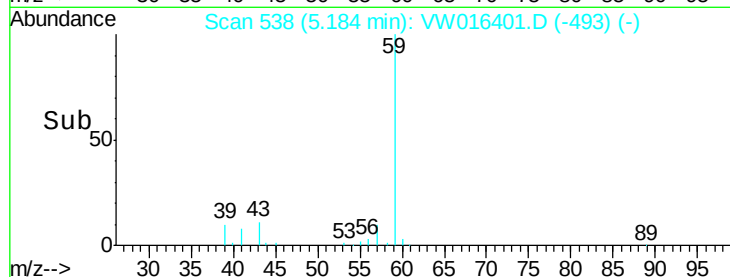
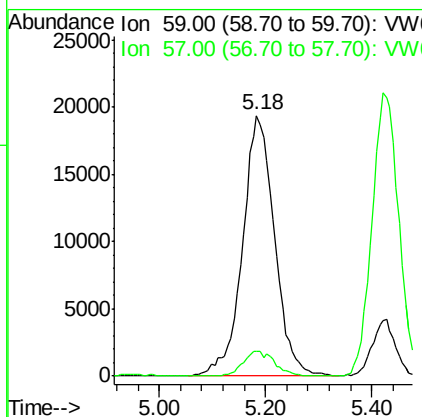
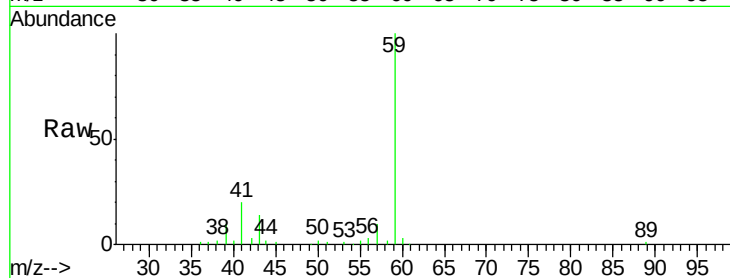
Tert butyl alcohol
Concen: 844.725 ug/l
RT: 5.18 min Scan# 538
Delta R.T. -0.02 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	80511		
57	9.5		8.2	12.4

Manual Integrations
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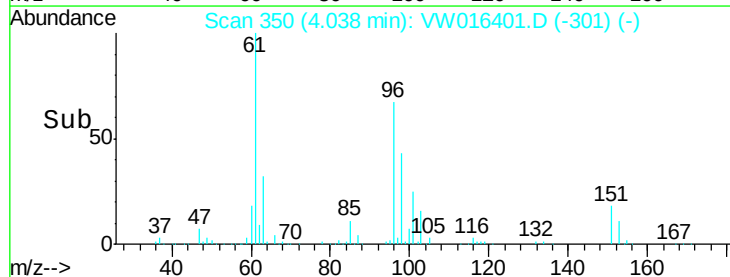
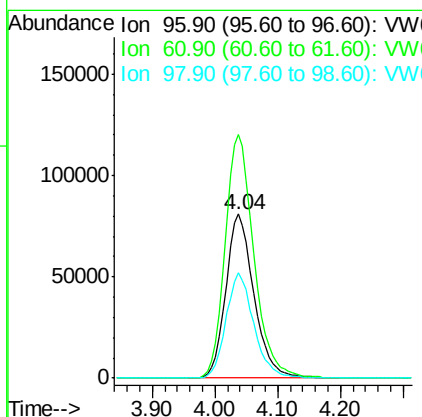
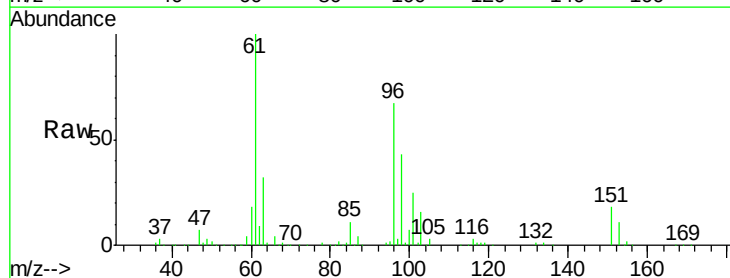
MMDadoda
8/31/2020 11:59:33 AM

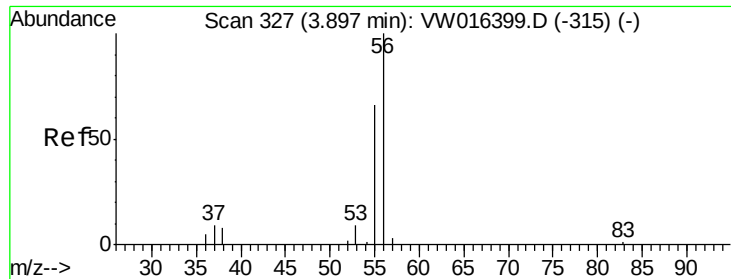


#12

1,1-Dichloroethene
Concen: 130.119 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	251575		
61	148.3		119.0	178.4
98	64.3		50.6	76.0





#13

Acrolein

Concen: 462.938 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 58081

Ion Ratio Lower Upper

56 100

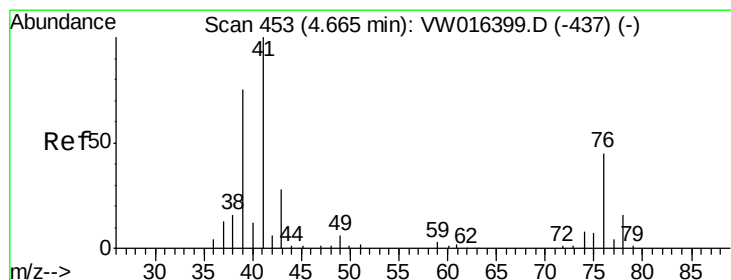
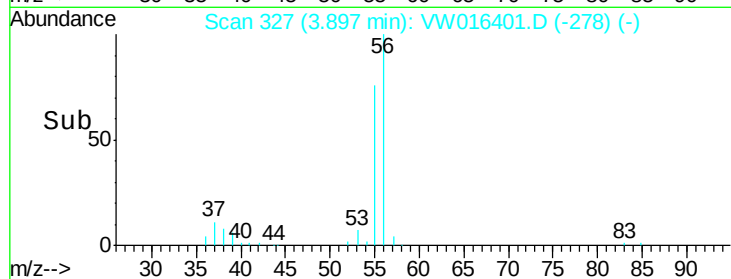
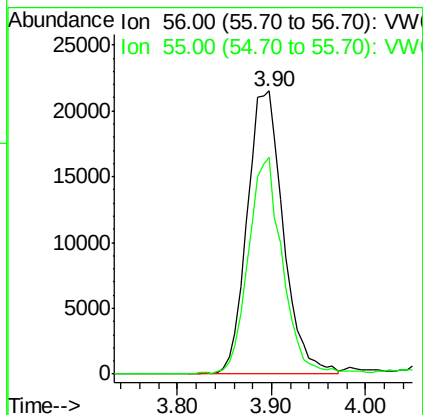
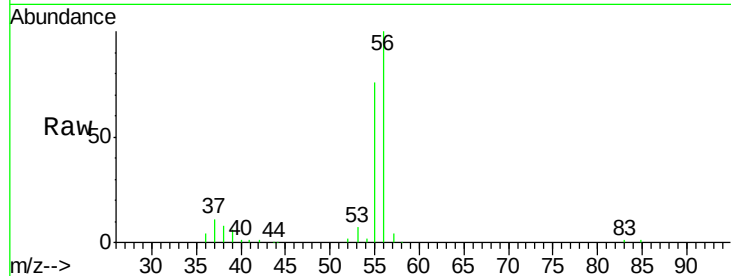
55 72.1 54.8 82.2

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 125.112 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

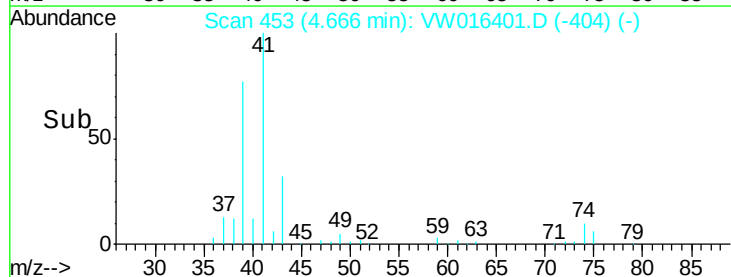
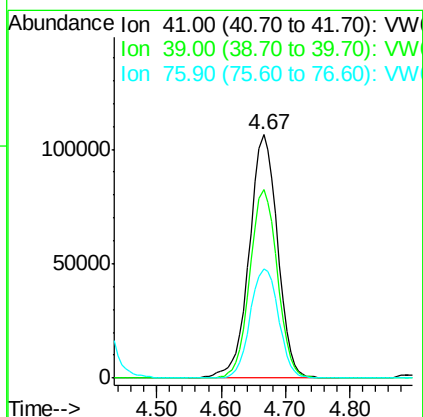
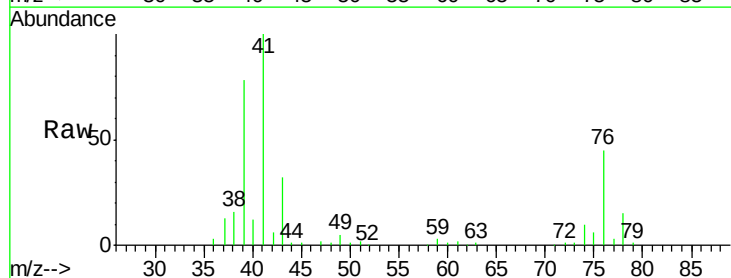
Tgt Ion: 41 Resp: 320377

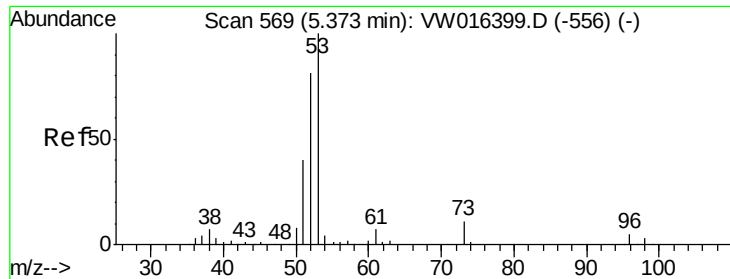
Ion Ratio Lower Upper

41 100

39 75.2 60.2 90.2

76 44.9 35.7 53.5





#15

Acrylonitrile

Concen: 726.436 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

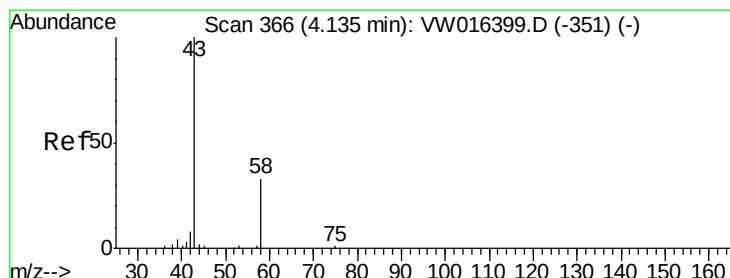
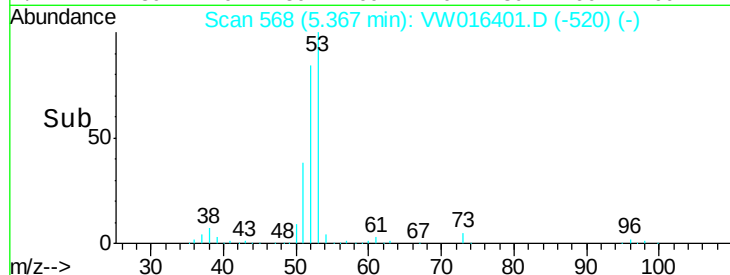
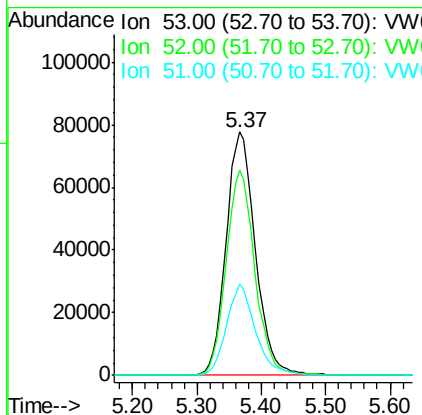
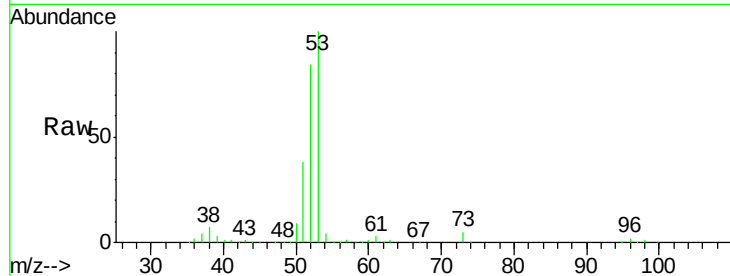
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	247699
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.1	99.1
51	37.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 713.937 ug/l

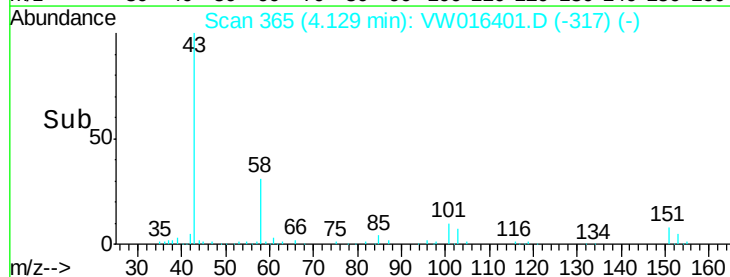
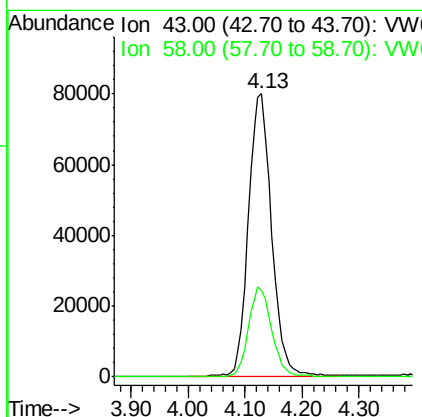
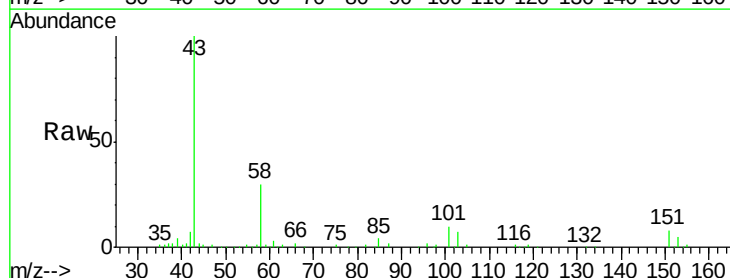
RT: 4.13 min Scan# 365

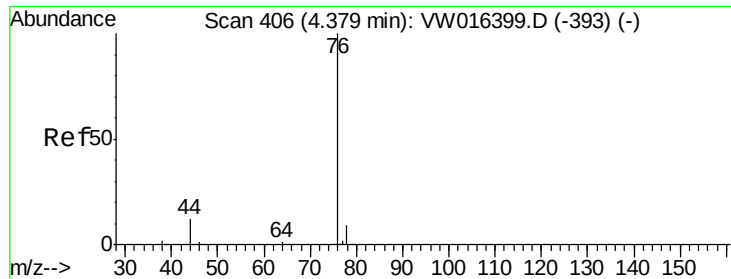
Delta R.T. -0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion:	43	Resp:	228227
Ion	Ratio	Lower	Upper
43	100		
58	30.4	26.6	39.8





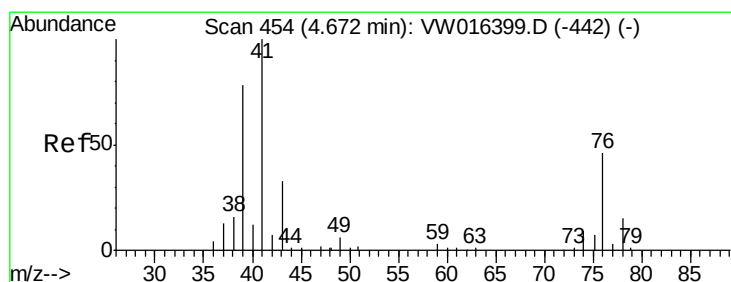
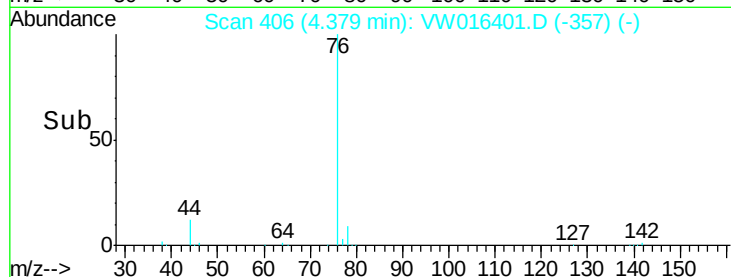
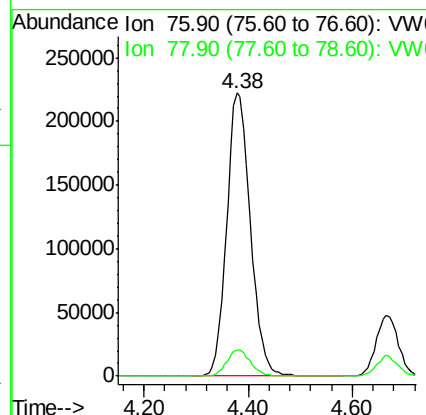
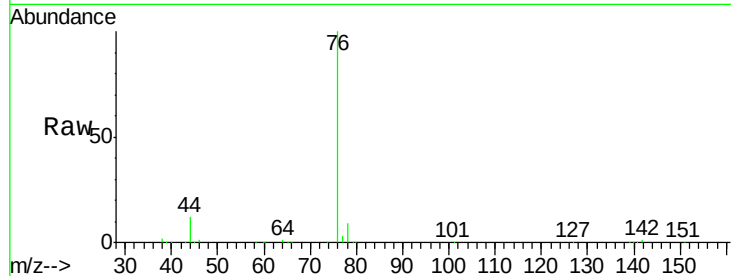
#17
Carbon Disulfide
Concen: 125.618 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

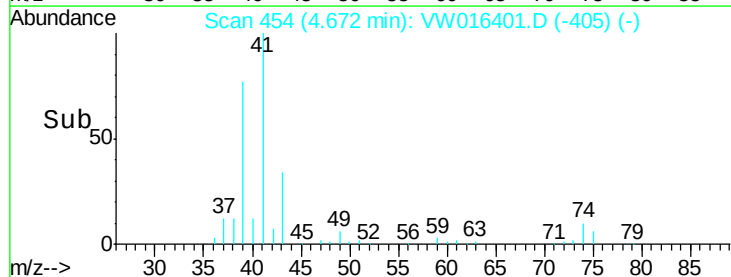
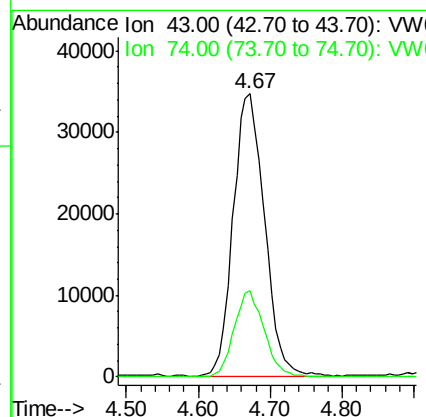
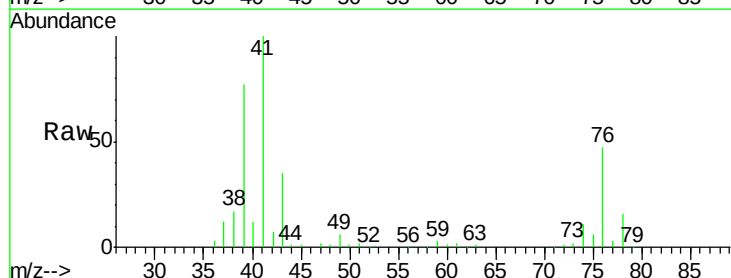
Manual Integrations
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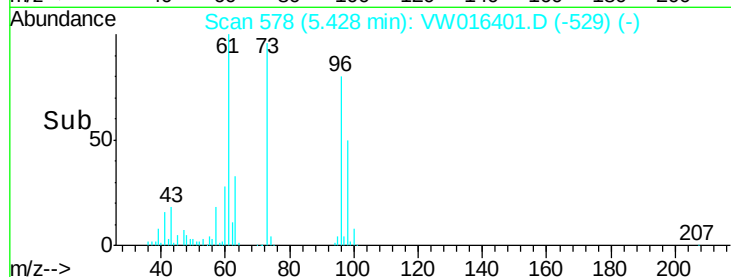
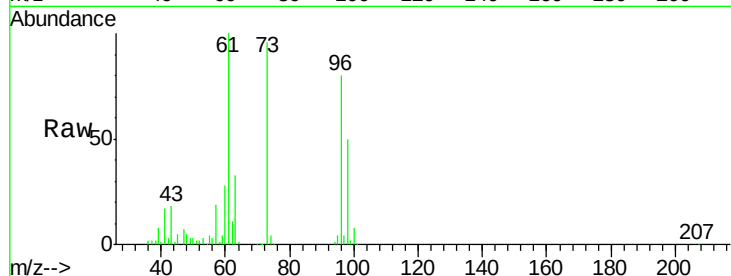
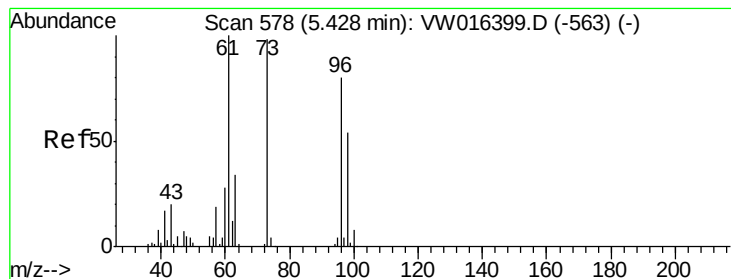
MMDadoda
8/31/2020 11:59:33 AM



#18
Methyl Acetate
Concen: 137.078 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.1	23.2	34.8





#19

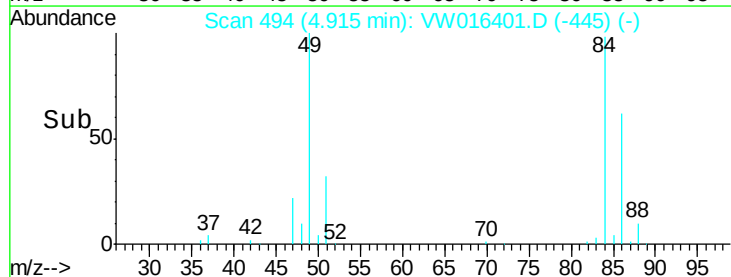
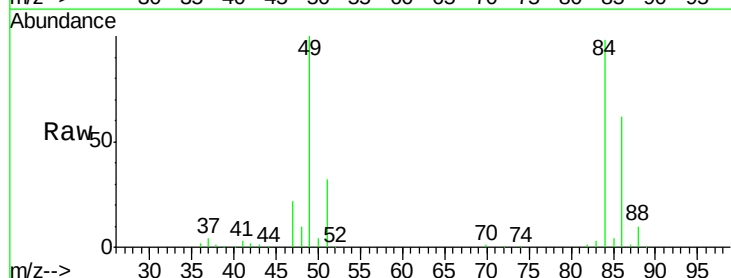
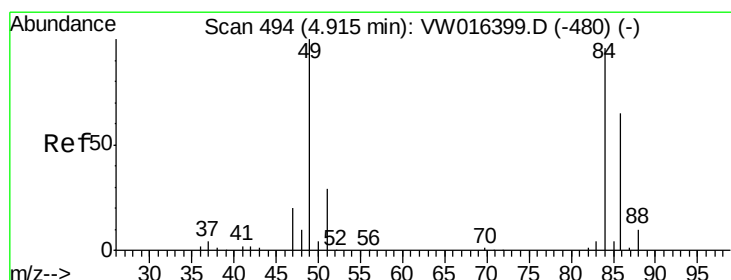
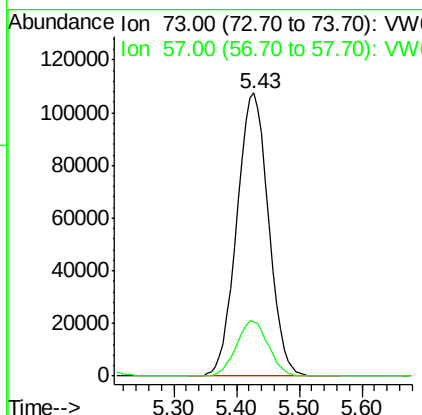
Methyl tert-butyl Ether
 Concen: 154.069 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	15.0	22.6

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

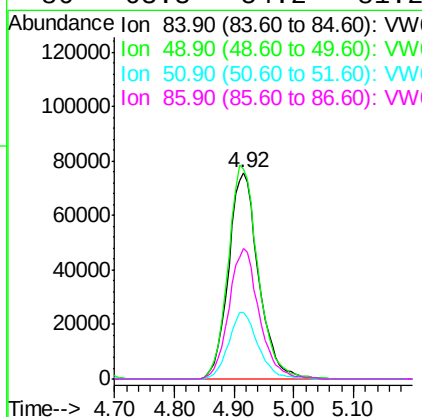
MMDadoda
 8/31/2020 11:59:33 AM

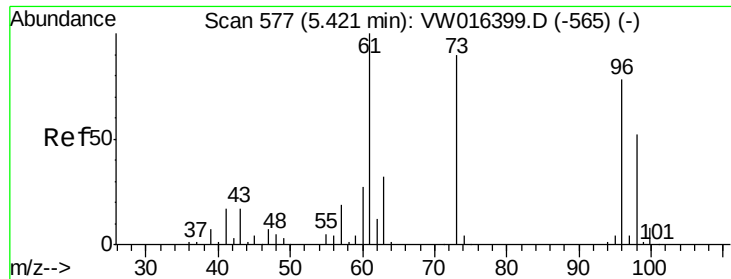


#20

Methylene Chloride
 Concen: 107.336 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	102.1	83.2	124.8
51	32.3	24.4	36.6
86	63.3	54.2	81.2





#21

trans-1,2-Dichloroethene

Concen: 131.315 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 276793

Ion Ratio Lower Upper

96 100

61 128.2 103.0 154.6

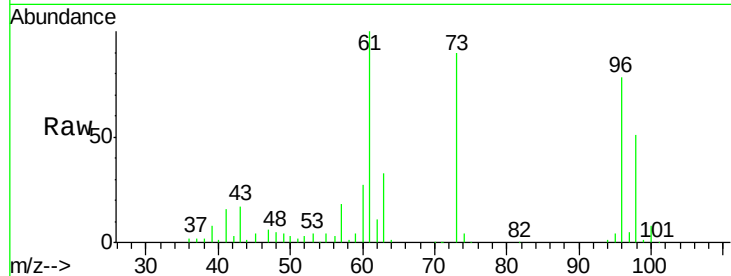
98 65.2 53.8 80.6

Manual Integrations

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MMDadoda

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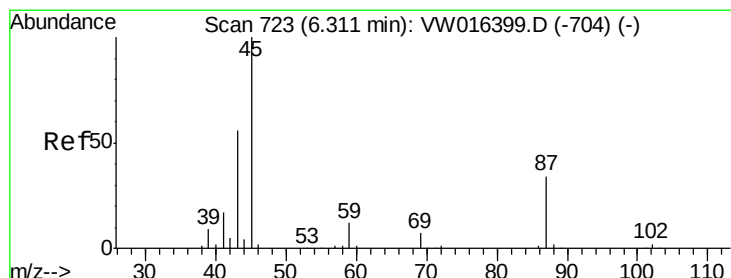
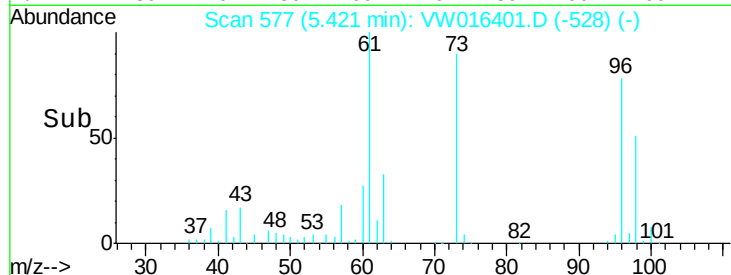
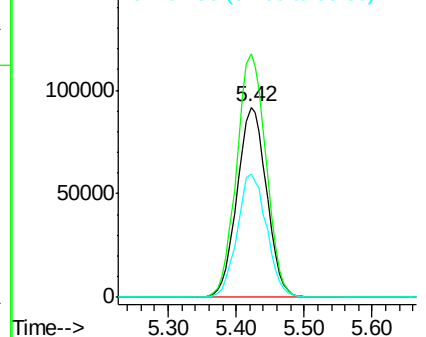


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 126.078 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion: 45 Resp: 609579

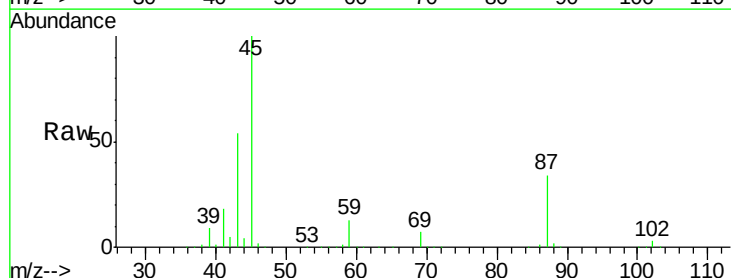
Ion Ratio Lower Upper

45 100

43 54.3 44.6 67.0

87 34.4 27.5 41.3

59 12.8 10.2 15.2



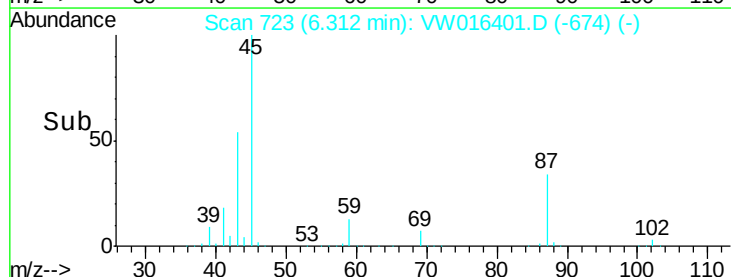
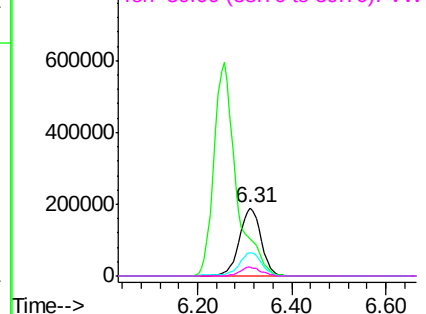
Abundance

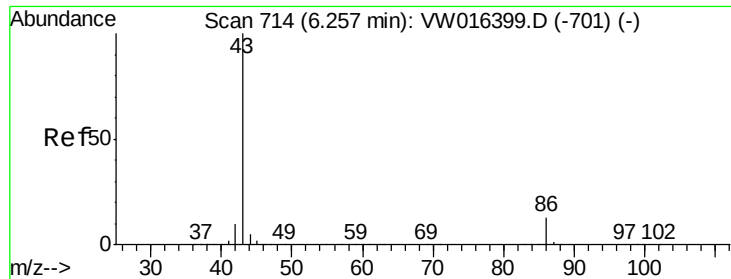
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 701.828 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 1949688

Ion Ratio Lower Upper

43 100

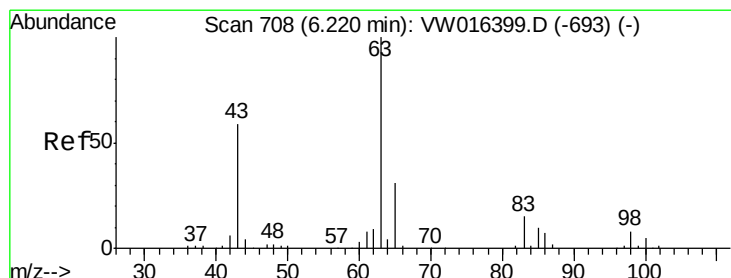
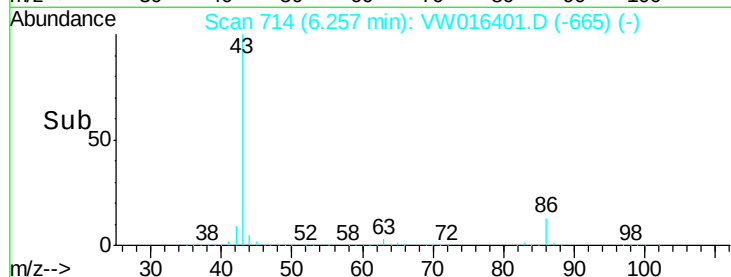
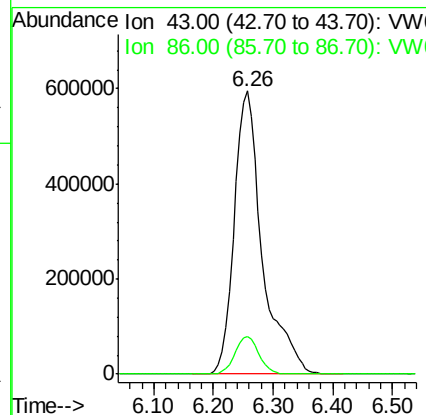
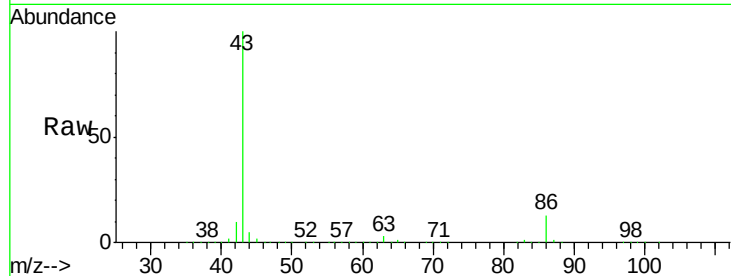
86 13.4 10.6 15.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 129.370 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

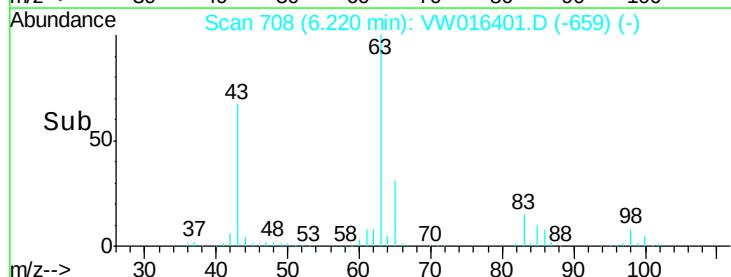
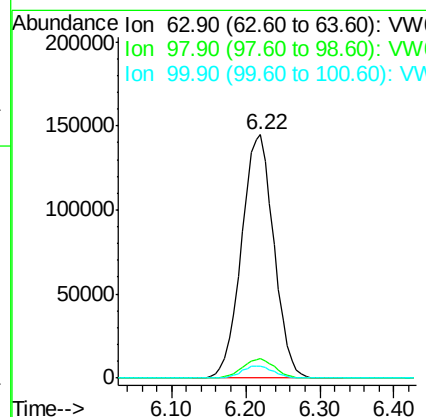
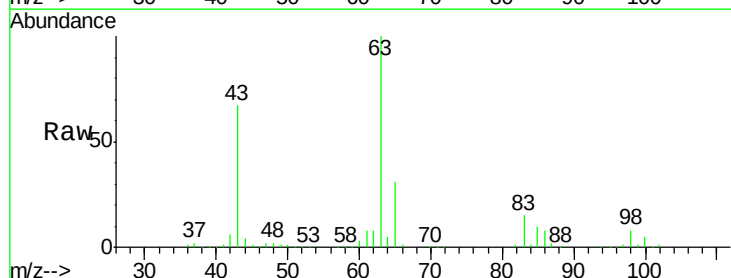
Tgt Ion: 63 Resp: 440375

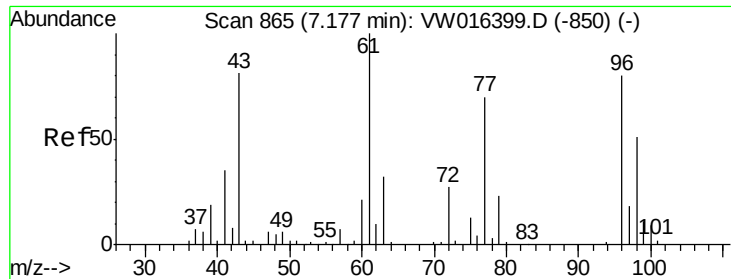
Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

100 5.1 2.5 7.5





#25

2-Butanone

Concen: 698.520 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 303427

Ion Ratio Lower Upper

43 100

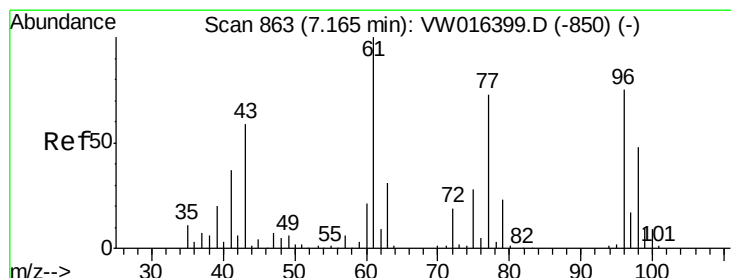
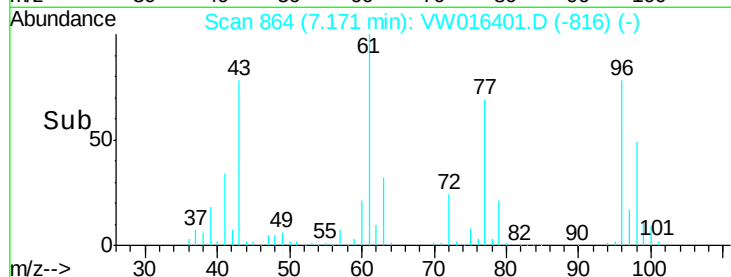
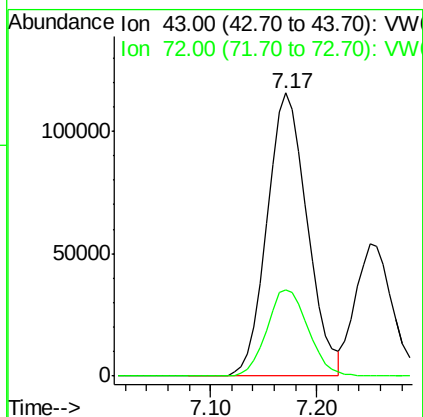
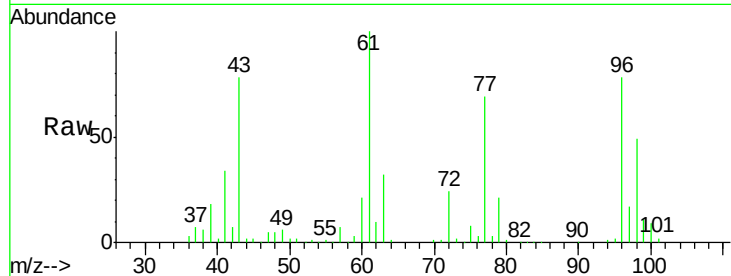
72 30.7 26.7 40.1

Manual Integrations

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MMDadoda

8/31/2020 11:59:33 AM



#26

2,2-Dichloropropane

Concen: 134.301 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW016401.D

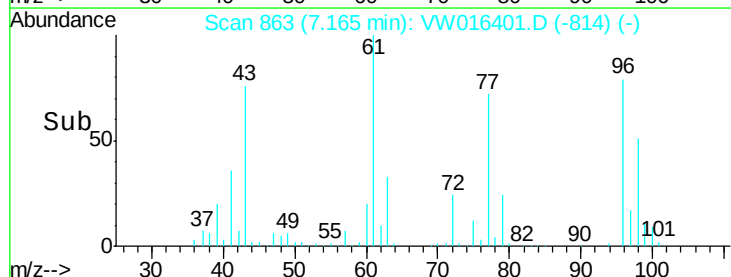
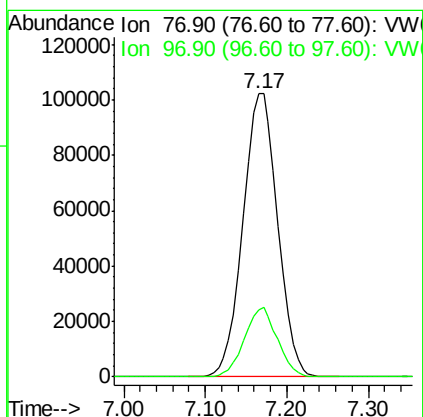
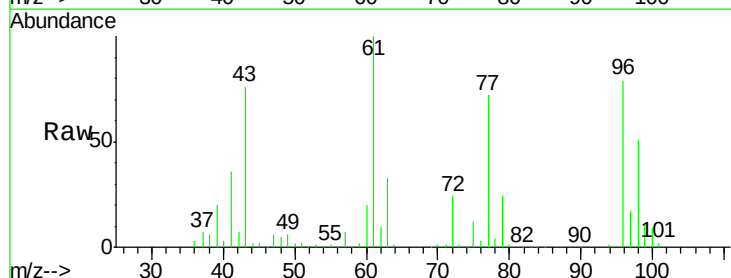
Acq: 28 Aug 2020 14:31

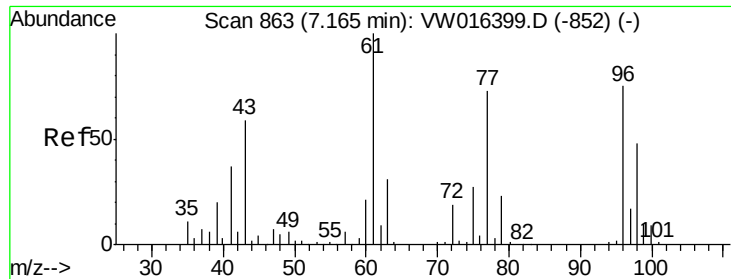
Tgt Ion: 77 Resp: 302387

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

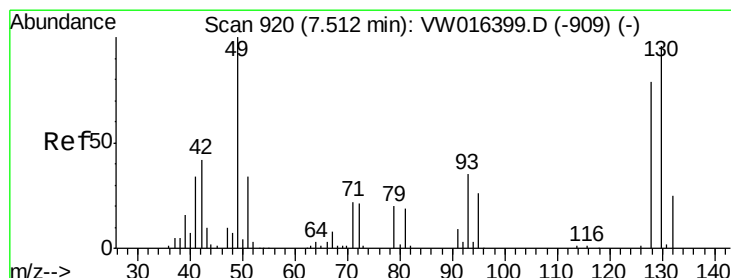
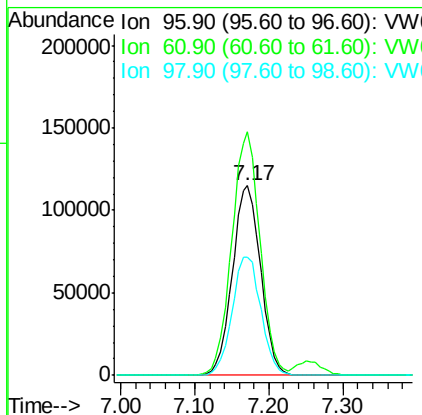
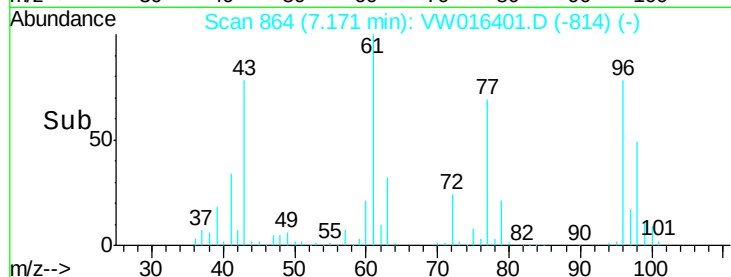
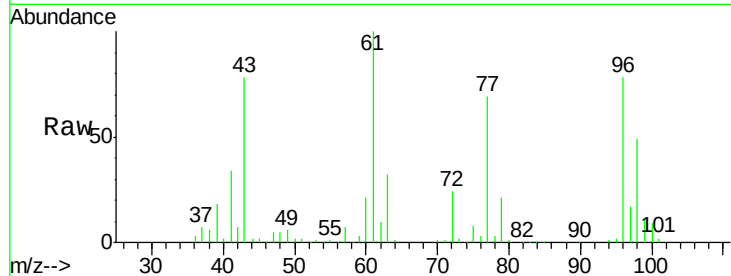
cis-1,2-Dichloroethene
Concen: 138.951 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	304355		
61	129.1	0.0	268.6	
98	64.0	0.0	130.0	

Manual Integrations
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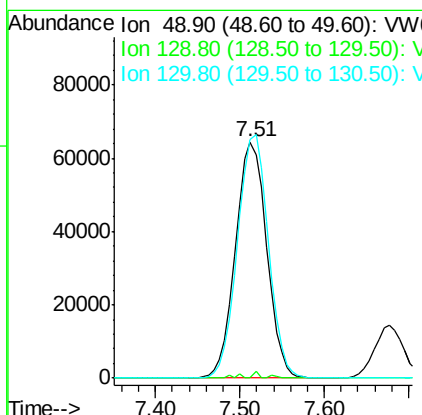
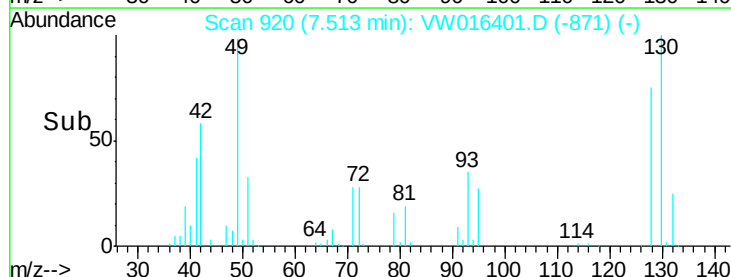
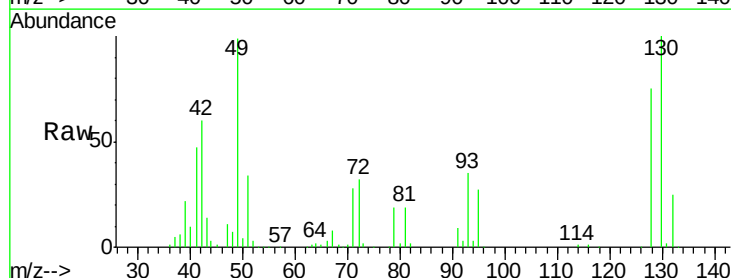
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8/31/2020 11:59:33 AM

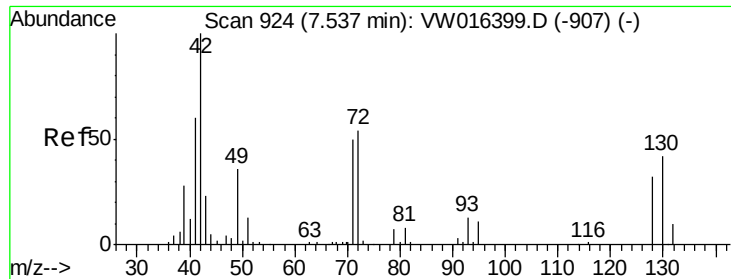


#28

Bromochloromethane
Concen: 126.800 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	161601		
129	0.4	0.0	1.8	
130	101.8	80.8	121.2	





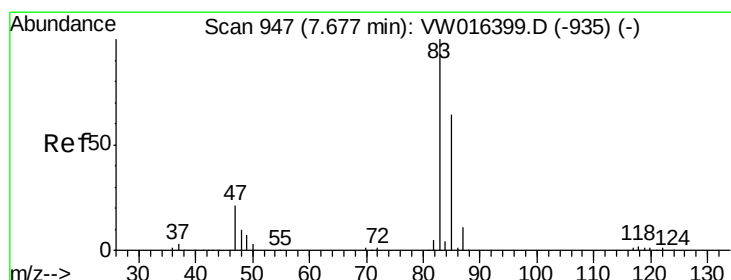
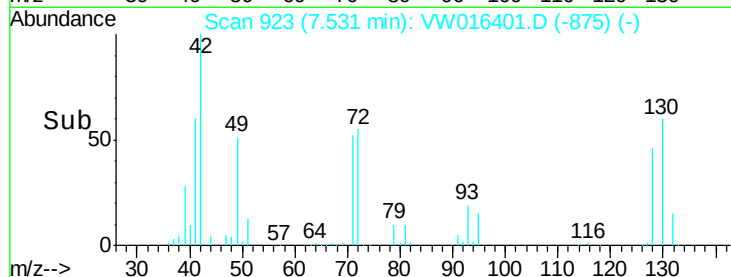
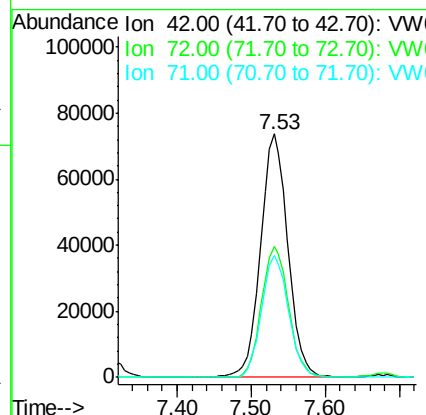
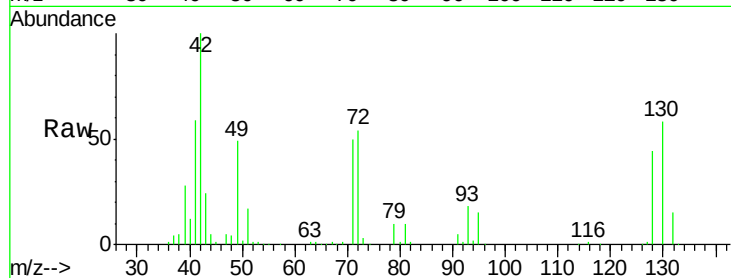
#29
Tetrahydrofuran
Concen: 726.378 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.5	42.3	63.5
71	49.8	39.5	59.3

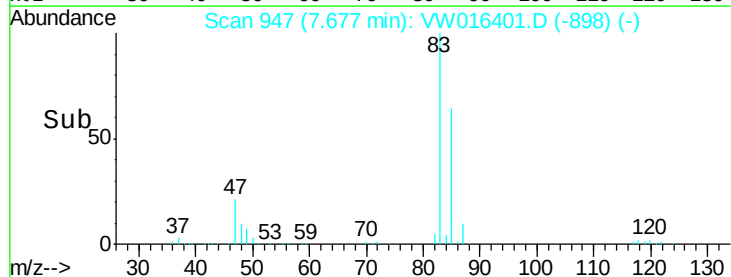
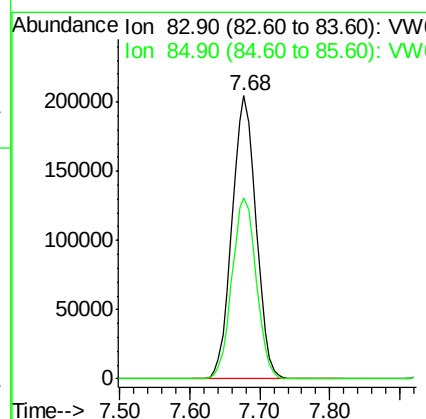
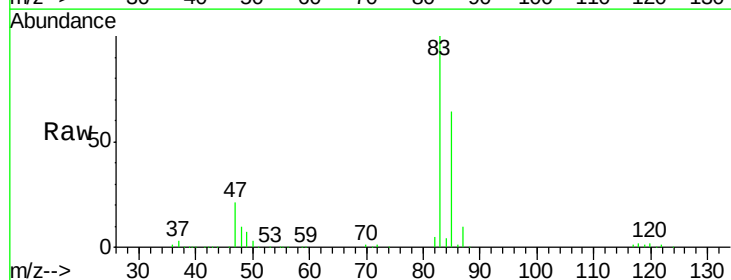
Manual Integrations
APPROVED

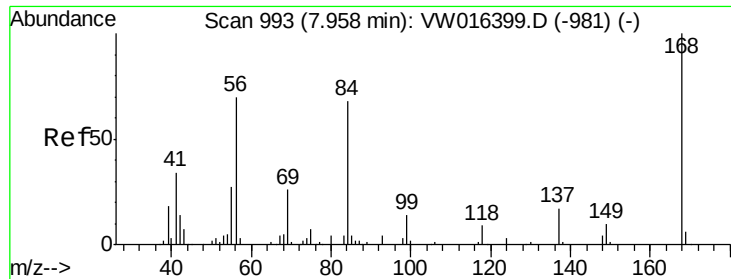
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8/31/2020 11:59:33 AM



#30
Chloroform
Concen: 135.986 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4





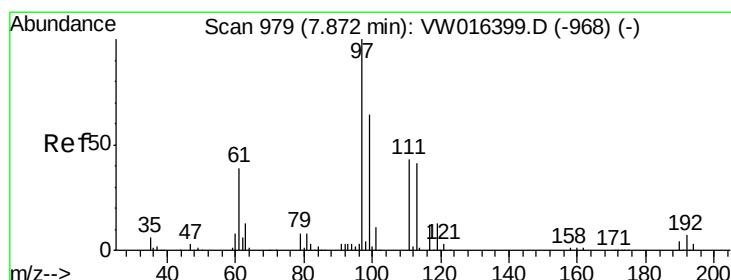
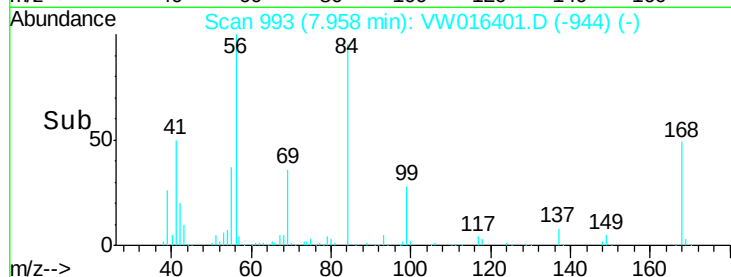
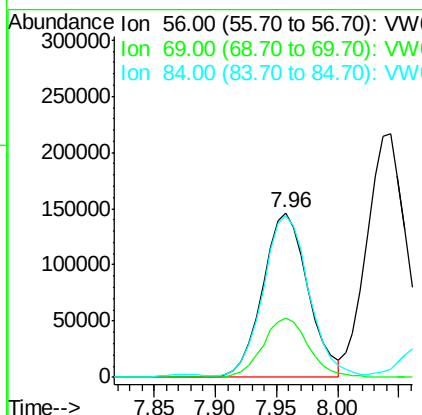
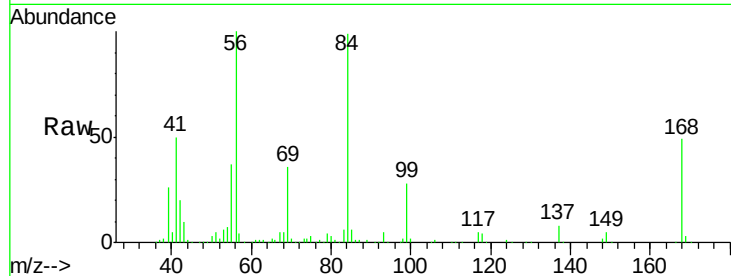
#31
Cyclohexane
Concen: 120.905 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	377650
Ion Ratio	Lower	Upper	
56	100		
69	35.7	30.0	45.0
84	96.7	77.4	116.2

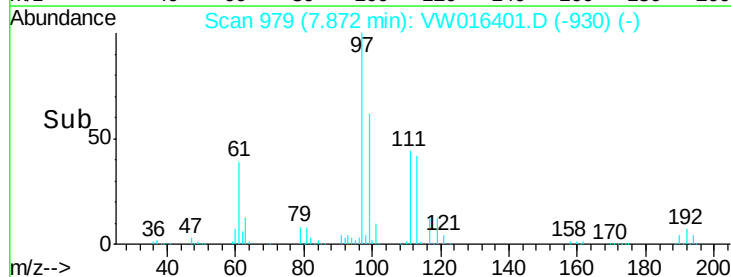
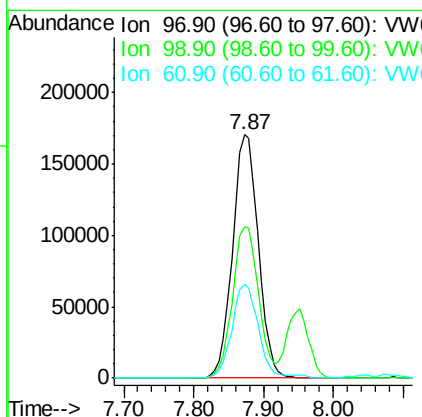
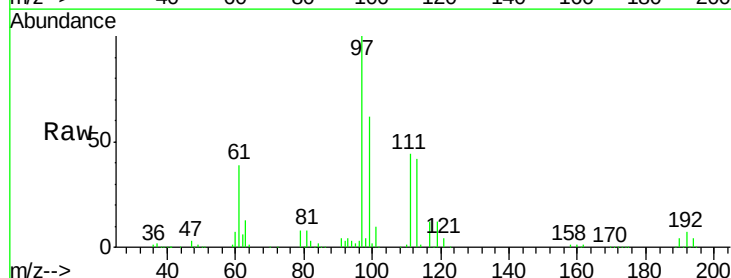
Manual Integrations
APPROVED

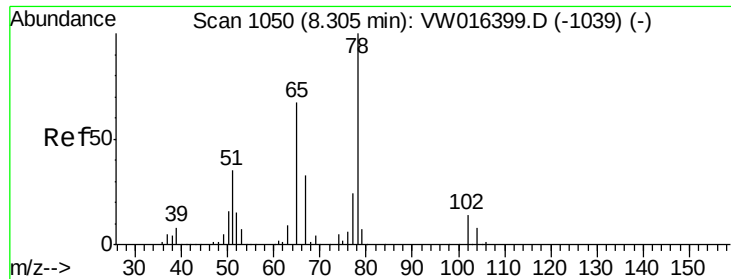
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#32
1,1,1-Trichloroethane
Concen: 143.176 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	97	Resp	435155
Ion Ratio	Lower	Upper	
97	100		
99	63.1	52.0	78.0
61	38.9	31.0	46.6





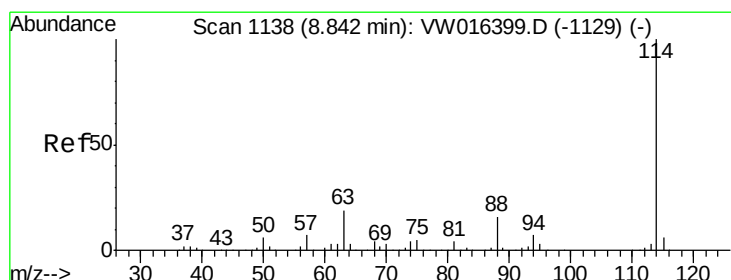
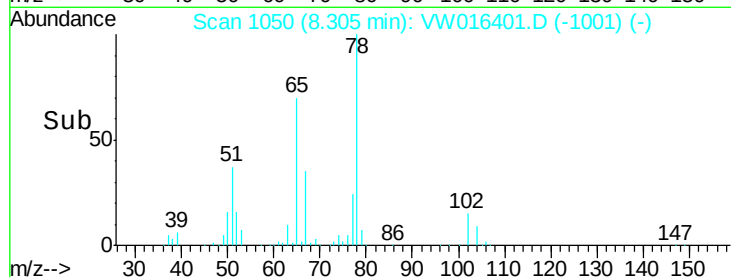
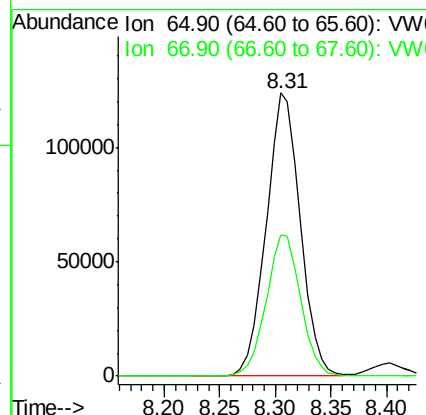
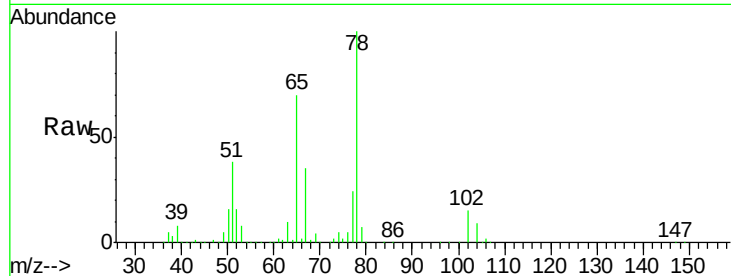
#33
 1,2-Dichloroethane-d4
 Concen: 151.262 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	262929		
67	50.6	0.0	100.2	

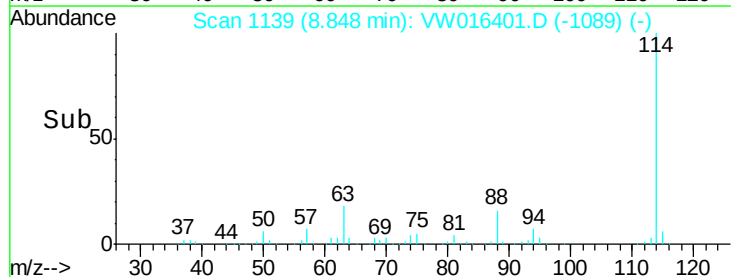
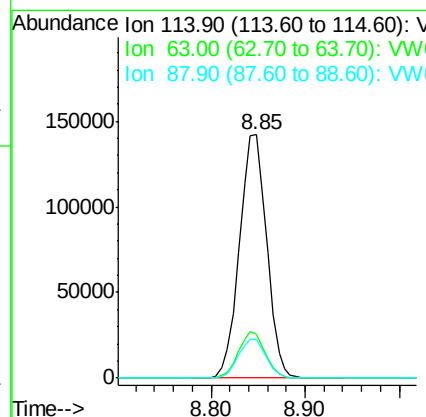
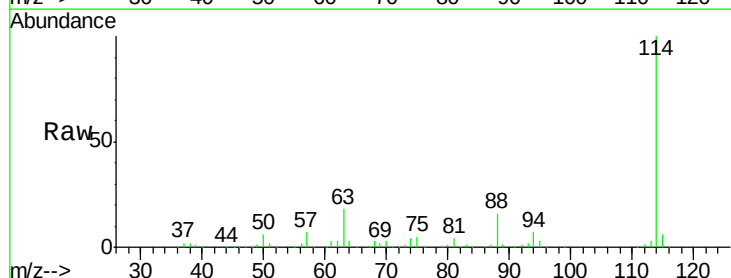
Manual Integrations
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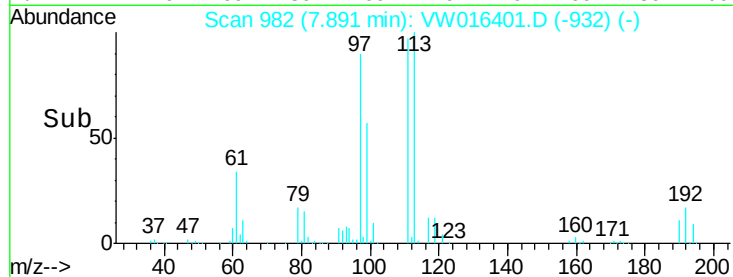
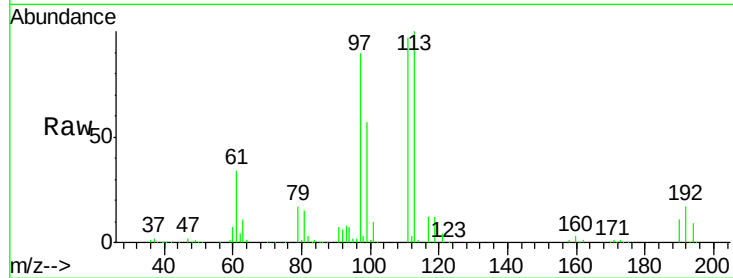
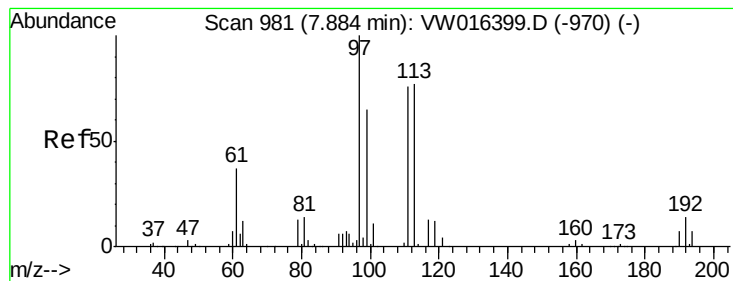
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 8/31/2020 11:59:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	284786		
63	18.0	0.0	37.8	
88	15.9	0.0	31.2	





#35

Dibromofluoromethane

Concen: 148.356 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW016401.D

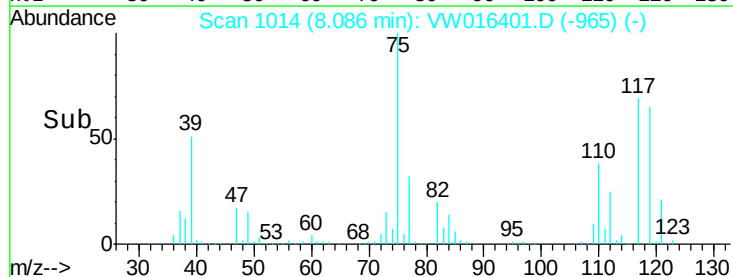
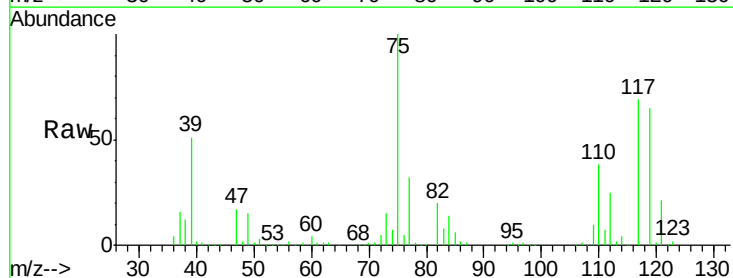
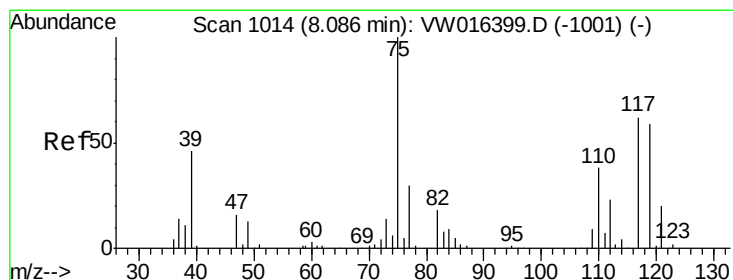
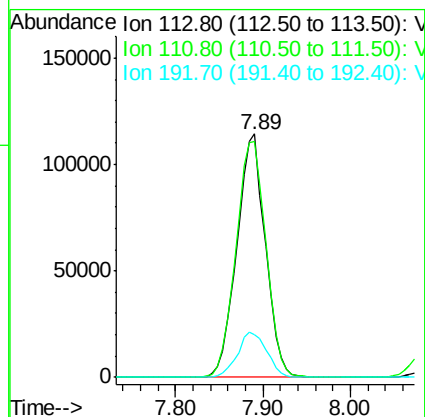
Acq: 28 Aug 2020 14:31

Tot Ion:	113	Resp:	259250
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.1	123.1
192	19.2	15.5	23.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Manual Integrations
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8/31/2020 11:59:33 AM



#36

1,1-Dichloropropene

Concen: 136.528 ug/l

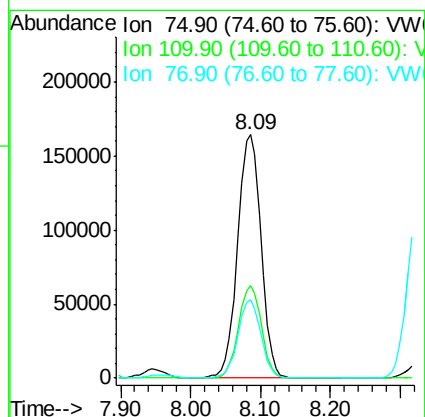
RT: 8.09 min Scan# 1014

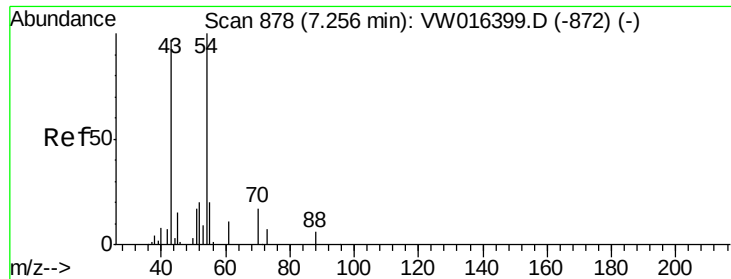
Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion:	75	Resp:	383080
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.6	56.0
77	31.6	25.1	37.7





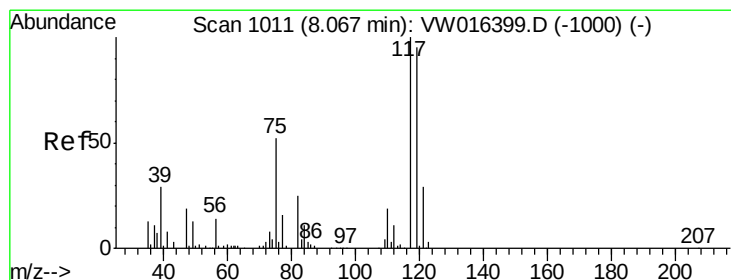
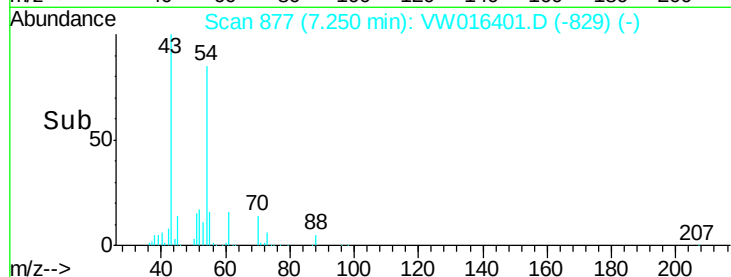
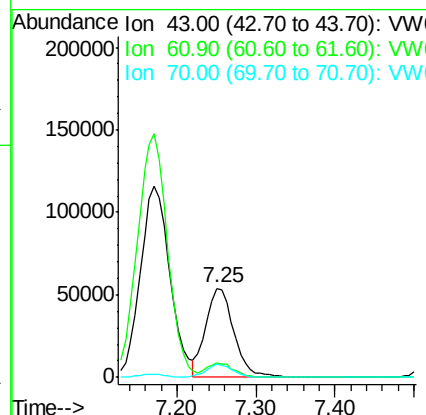
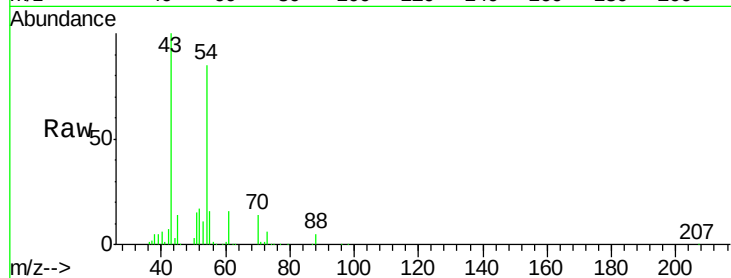
#37
Ethyl Acetate
Concen: 141.543 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:	43	Resp:	134524
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	14.0	10.7	16.1

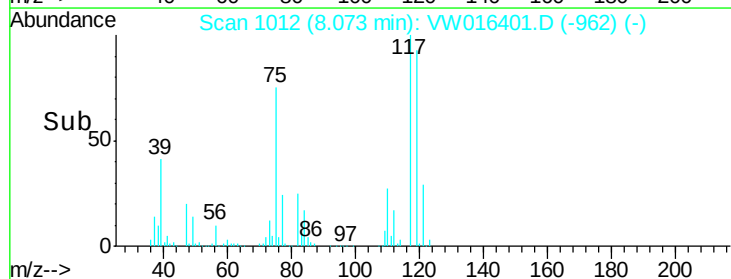
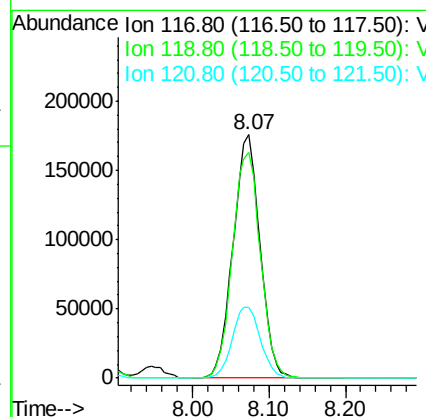
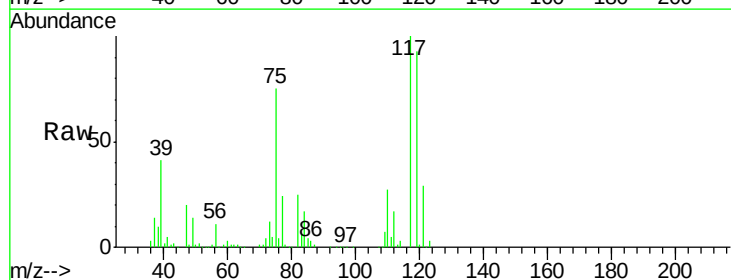
Manual Integrations
APPROVED

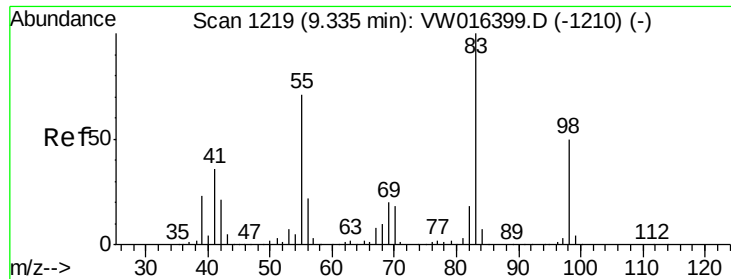
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#38
Carbon Tetrachloride
Concen: 150.171 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion:	117	Resp:	427704
Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.3	114.5
121	29.2	23.0	34.6





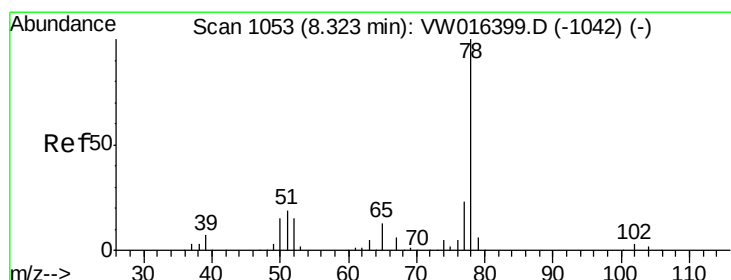
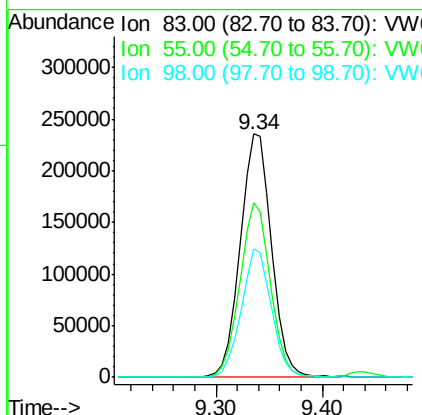
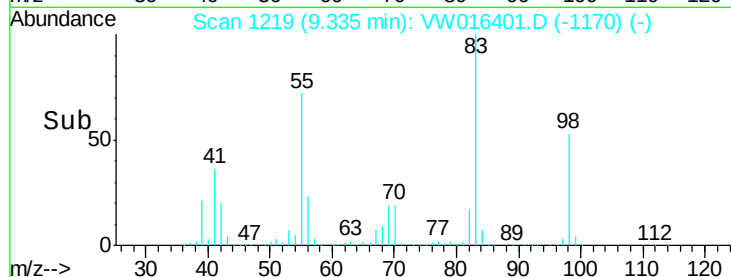
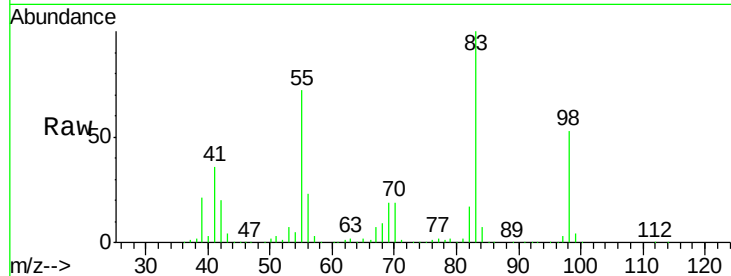
#39
Methylvlcyclohexane
Concen: 144.602 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	487573
Ion Ratio	100	Lower	Upper
83	100		
55	71.8	57.0	85.6
98	52.7	39.9	59.9

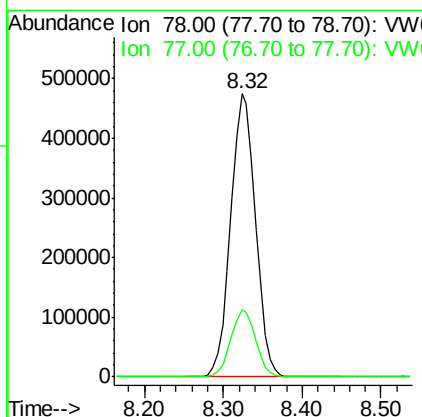
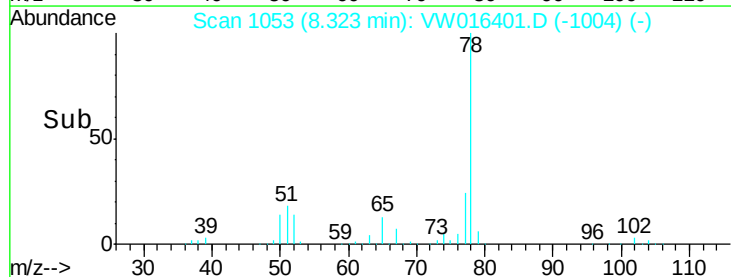
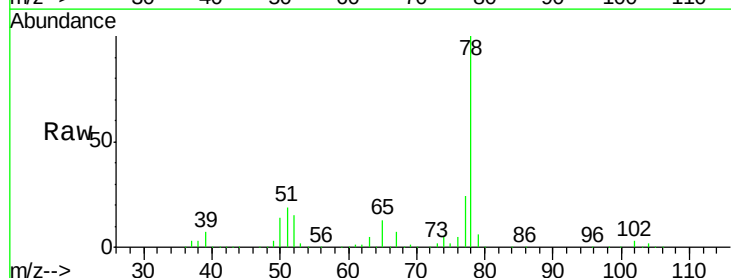
Manual Integrations
APPROVED

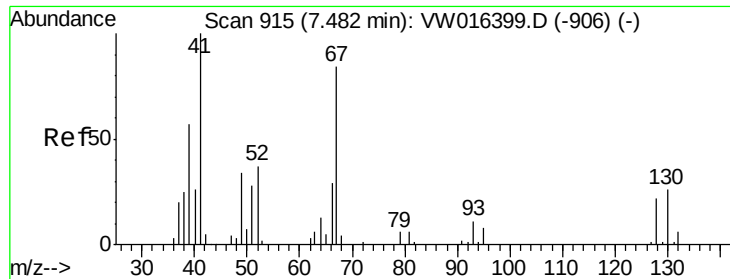
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#40
Benzene
Concen: 132.009 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	78	Resp	1035582
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.6	27.8





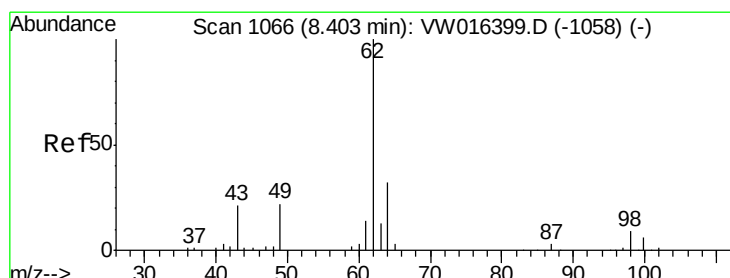
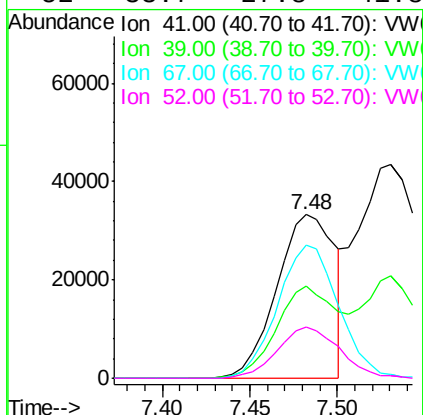
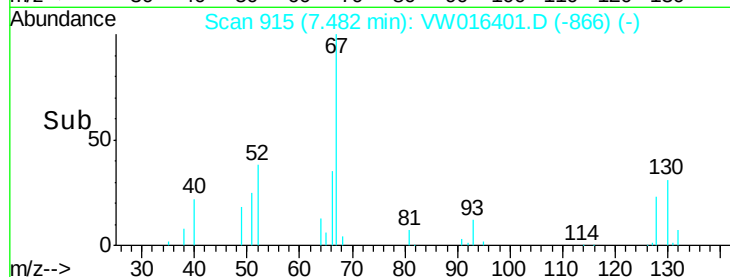
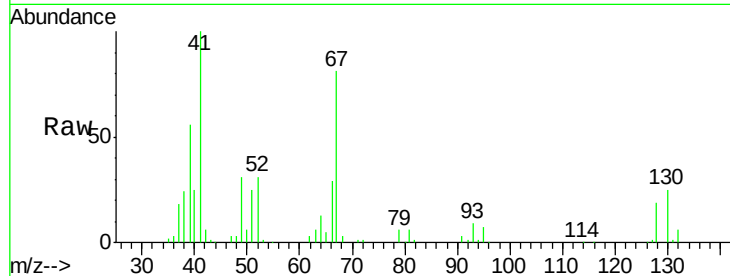
#41
Methacrylonitrile
Concen: 142.951 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	77269
Ion	Ratio	Lower	Upper
41	100		
39	60.6	45.4	68.2
67	85.6	65.8	98.6
52	33.7	27.8	41.8

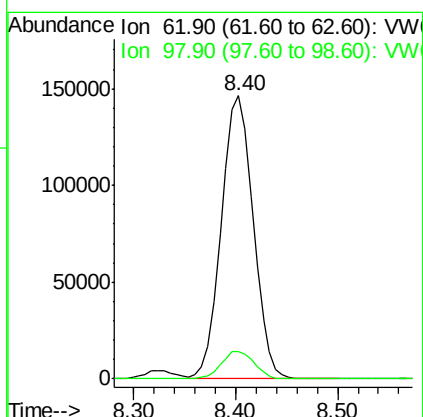
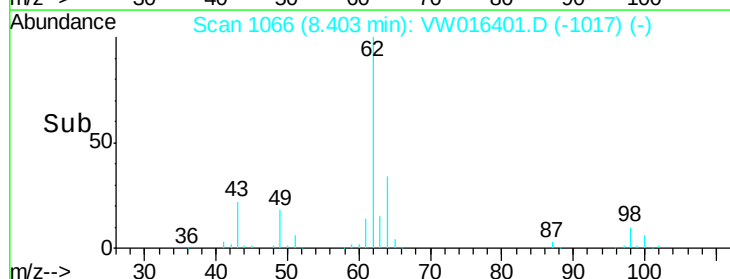
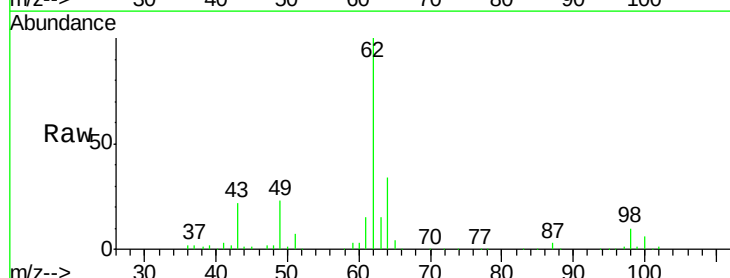
Manual Integrations
APPROVED

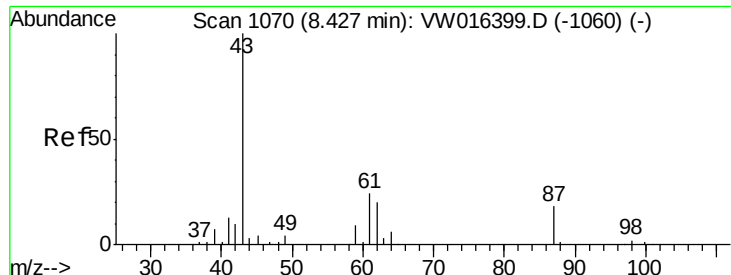
MMDadoda
8/31/2020 11:59:33 AM



#42
1,2-Dichloroethane
Concen: 150.664 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	62	Resp	318254
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8





#43

Isopropyl Acetate

Concen: 152.159 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

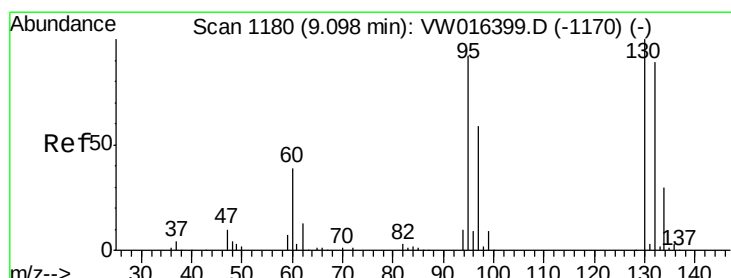
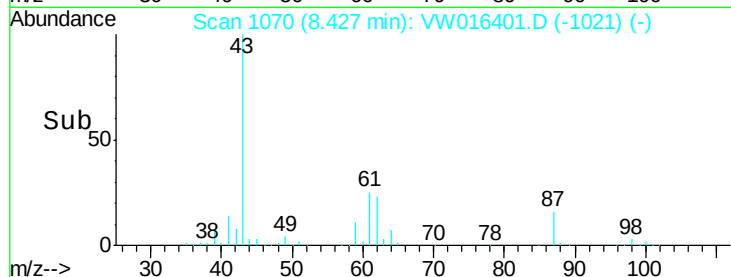
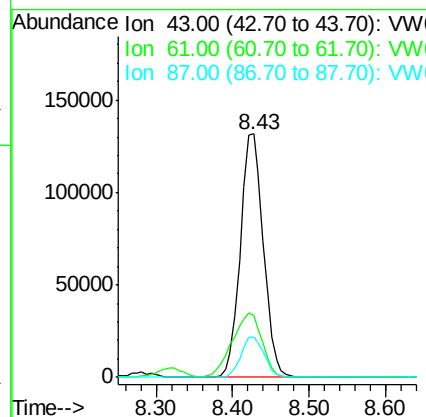
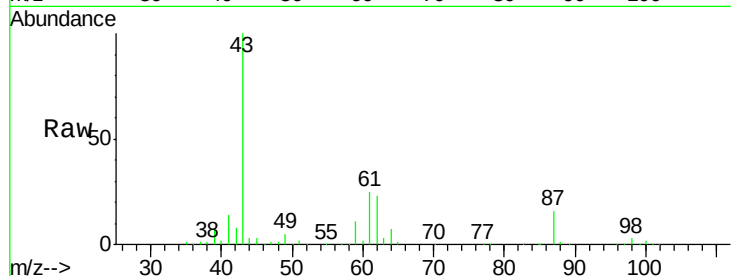
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	274249
Ion	Ratio	Lower	Upper
43	100		
61	34.1	27.5	41.3
87	16.6	13.5	20.3

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#44

Trichloroethene

Concen: 136.581 ug/l

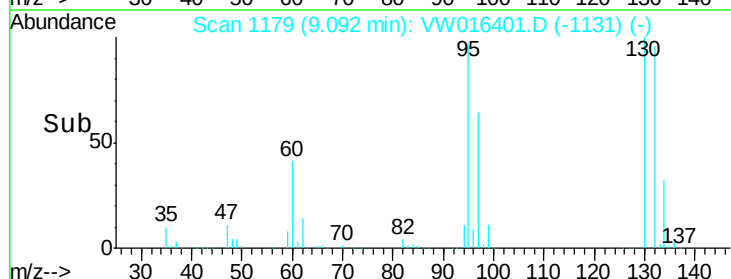
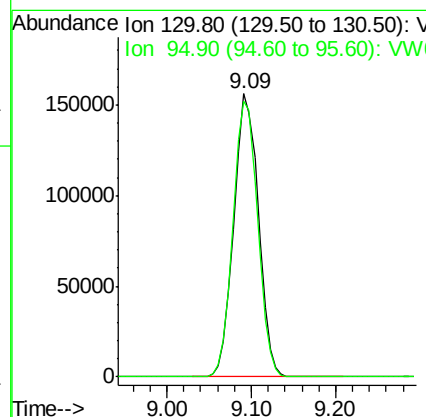
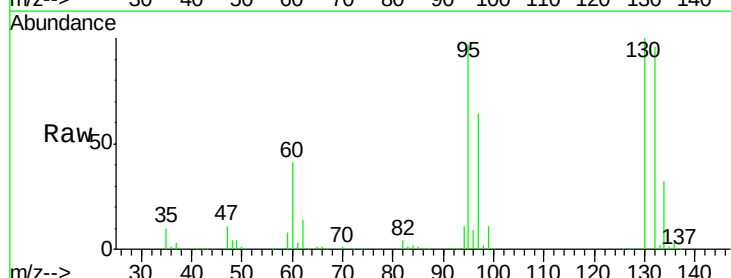
RT: 9.09 min Scan# 1179

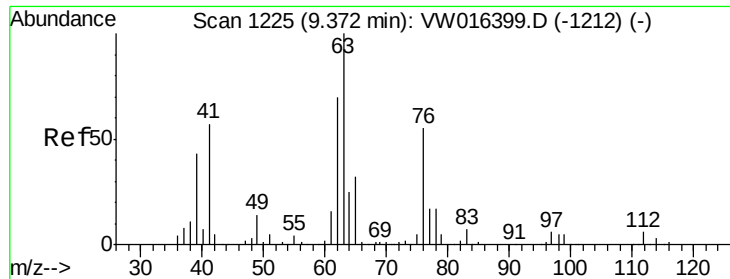
Delta R.T. -0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion:	130	Resp:	306891
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	183.4





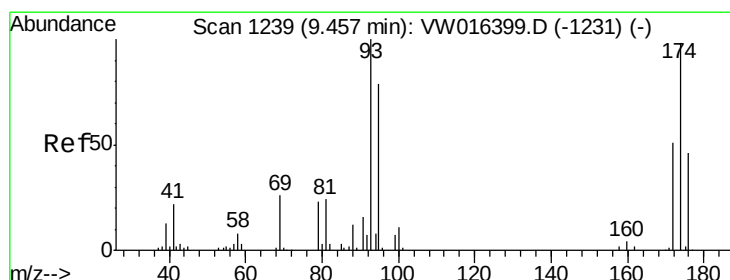
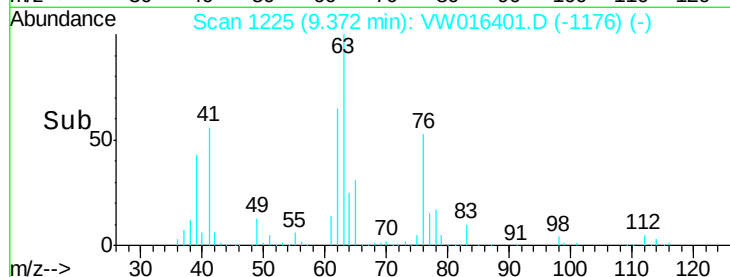
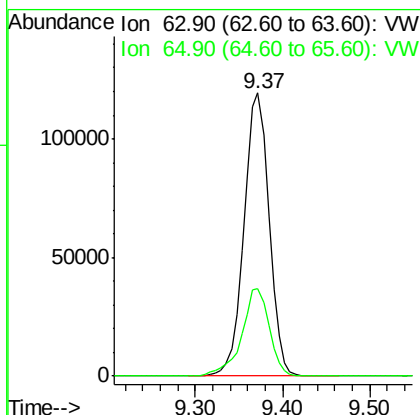
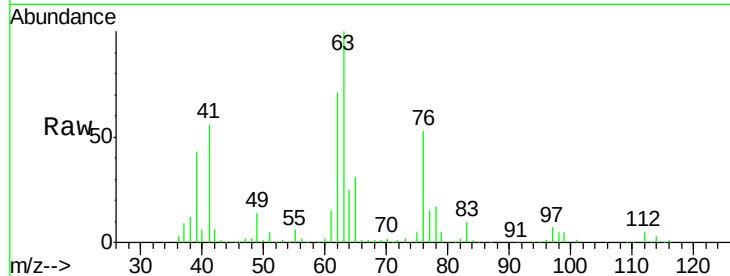
#45
 1,2-Dichloropropane
 Concen: 129.410 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100	237838		
65	31.1	25.4	38.0	

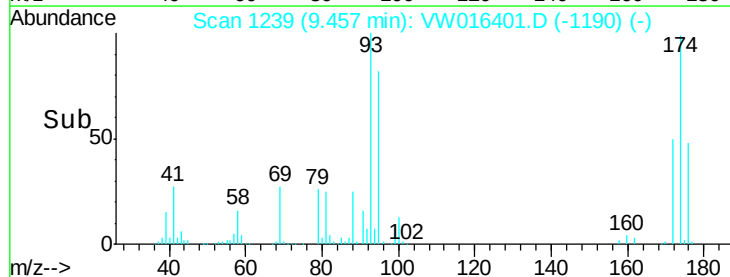
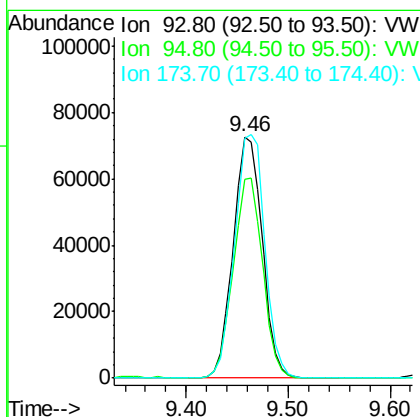
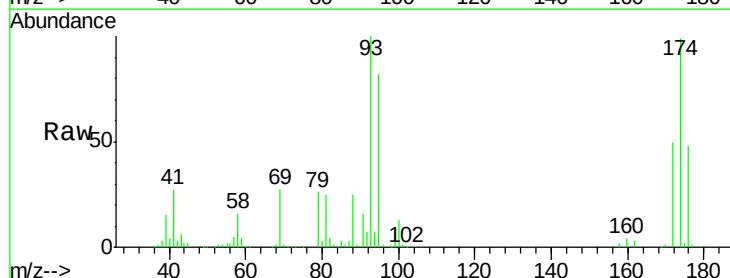
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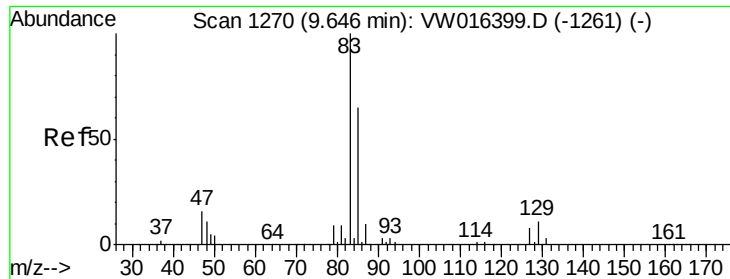
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#46
 Dibromomethane
 Concen: 145.709 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	143016		
95	83.7	65.3	97.9	
174	104.8	80.1	120.1	





#47

Bromodichloromethane

Concen: 147.846 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

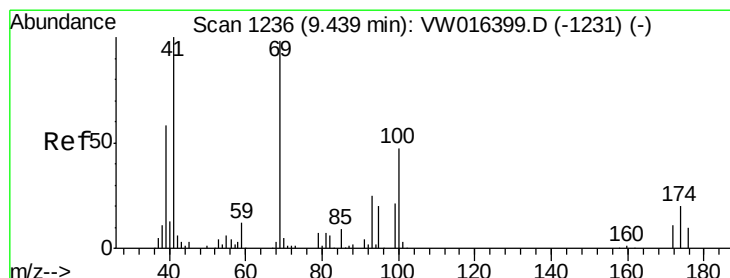
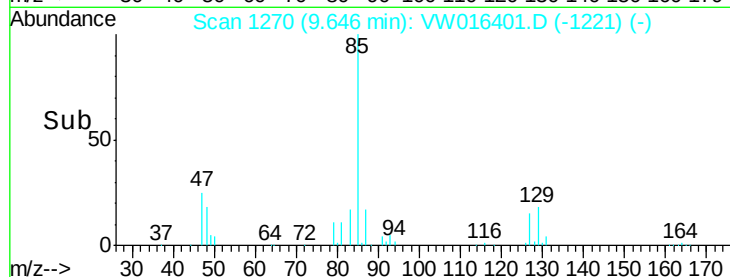
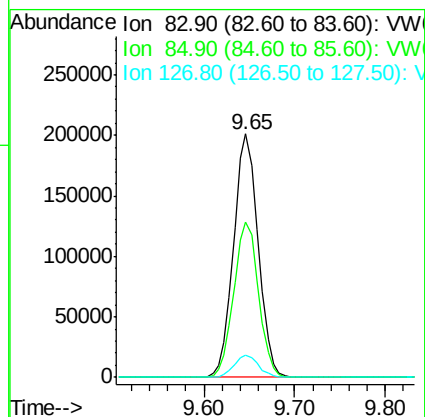
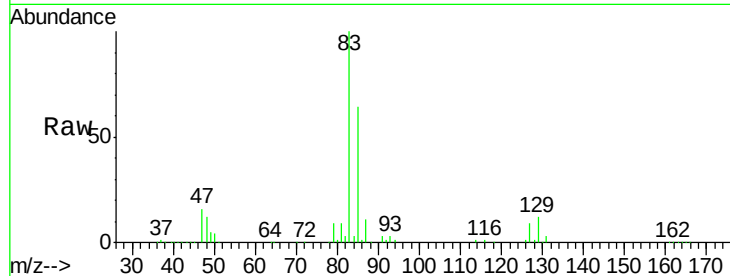
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	376848
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.2
127	9.3	6.8	10.2

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#48

Methyl methacrylate

Concen: 168.912 ug/l

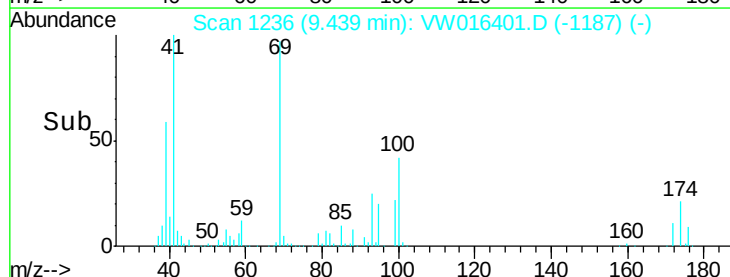
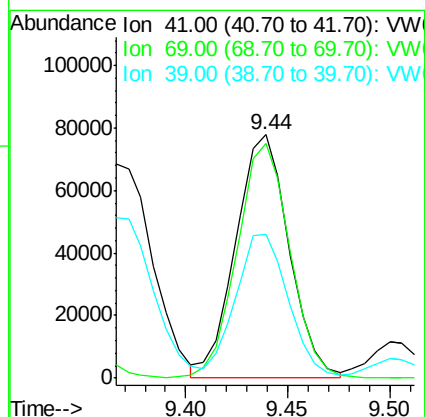
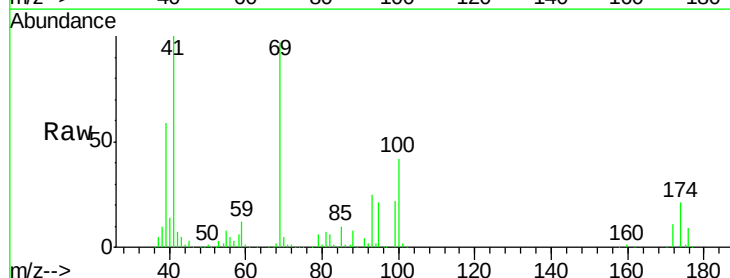
RT: 9.44 min Scan# 1236

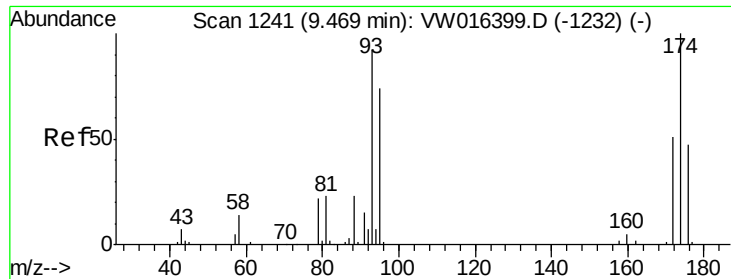
Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion:	41	Resp:	141146
Ion	Ratio	Lower	Upper
41	100		
69	95.6	83.5	125.3
39	56.2	48.7	73.1





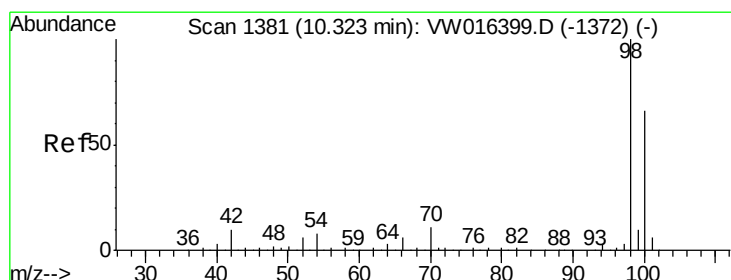
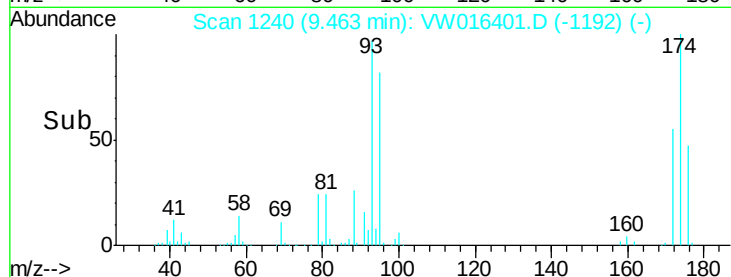
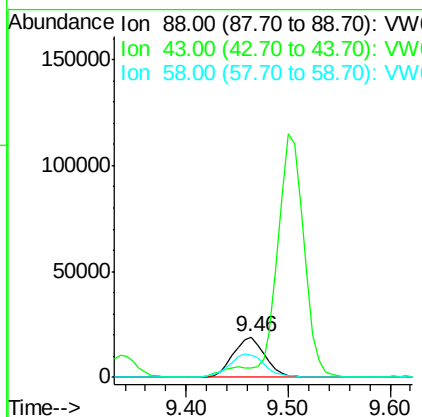
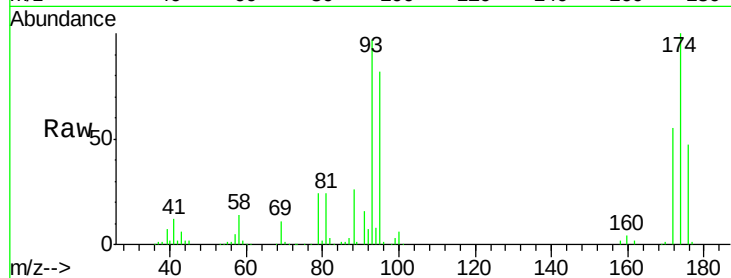
#49
1,4-Dioxane
Concen: 3370.949 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	41458
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	64.7	53.5	80.3

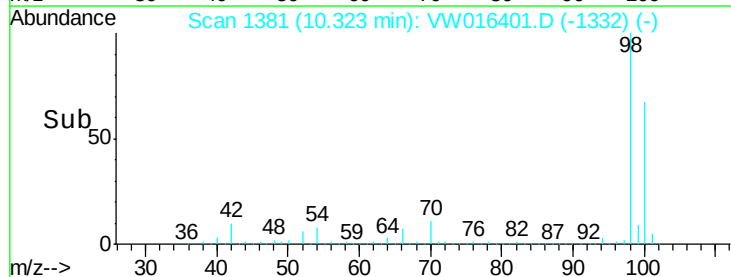
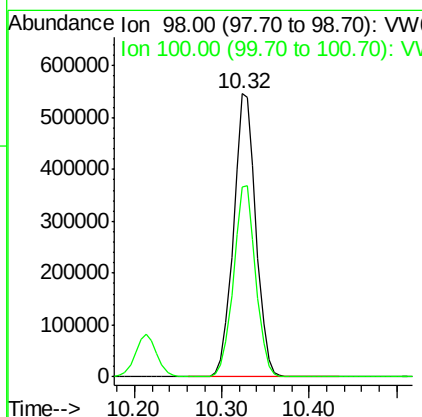
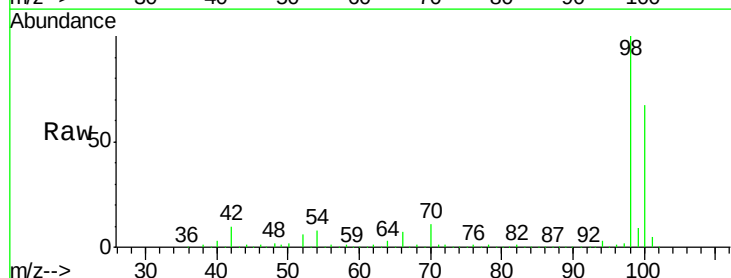
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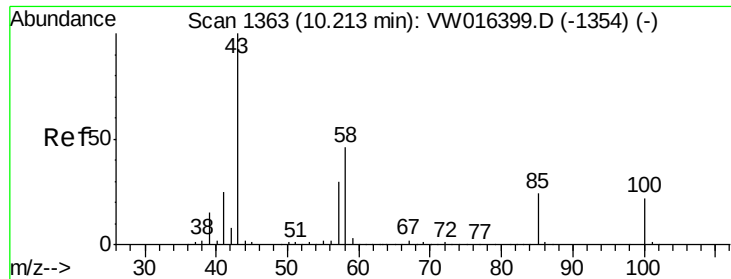
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#50
Toluene-d8
Concen: 144.092 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	98	Resp	969761
Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 743.190 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 672766

Ion Ratio Lower Upper

43 100

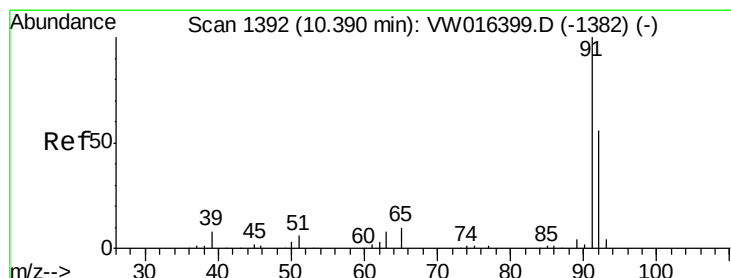
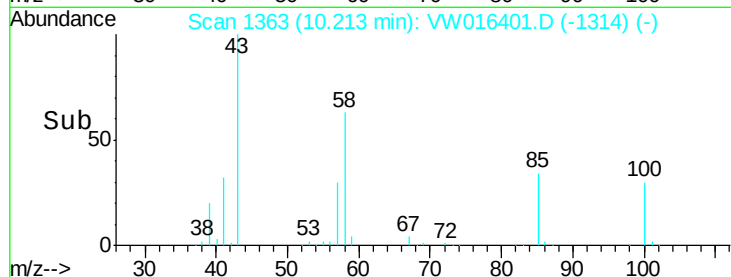
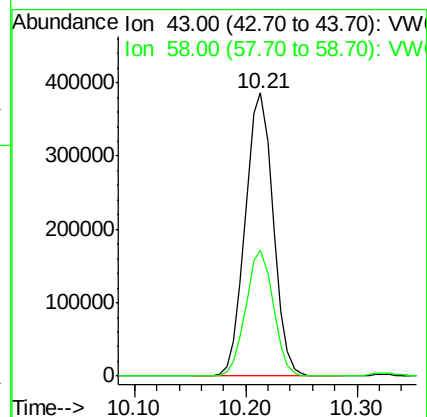
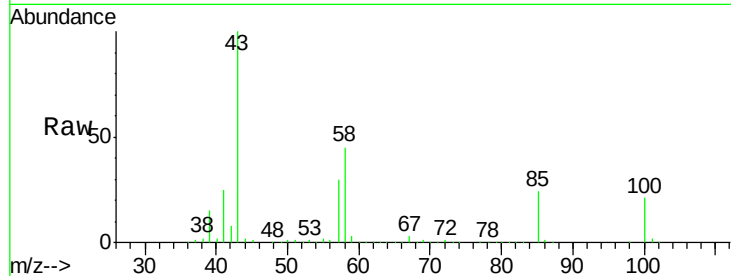
58 44.1 35.4 53.0

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#52

Toluene

Concen: 138.493 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016401.D

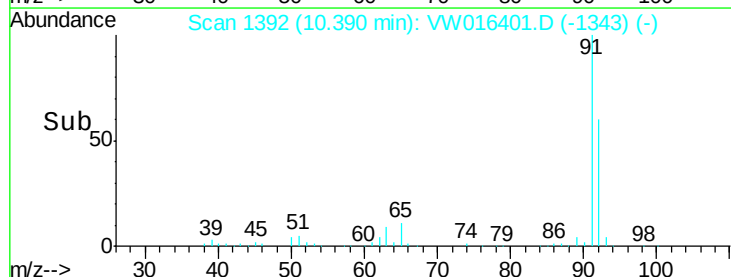
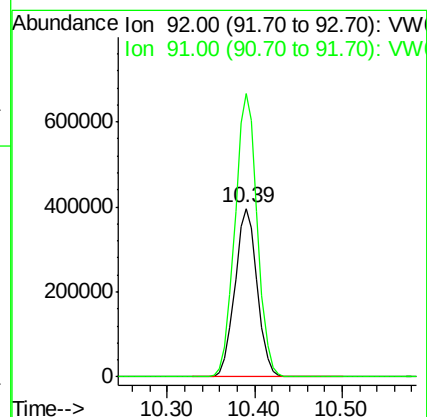
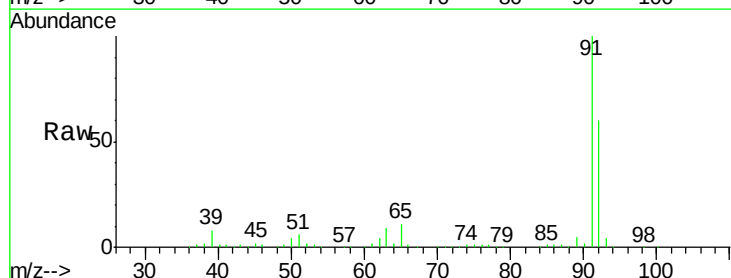
Acq: 28 Aug 2020 14:31

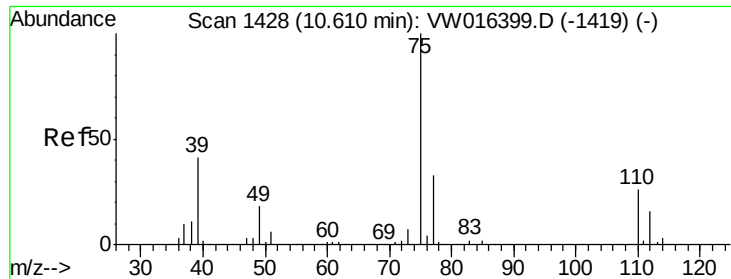
Tgt Ion: 92 Resp: 697371

Ion Ratio Lower Upper

92 100

91 169.3 137.1 205.7





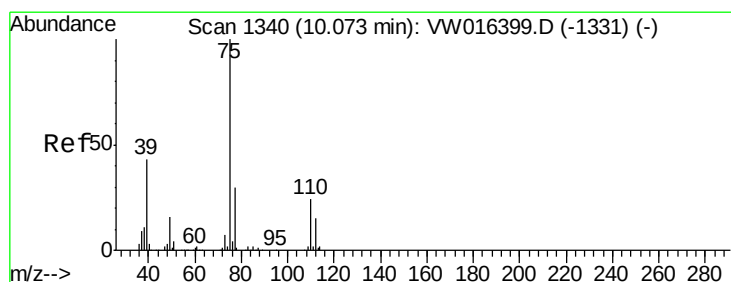
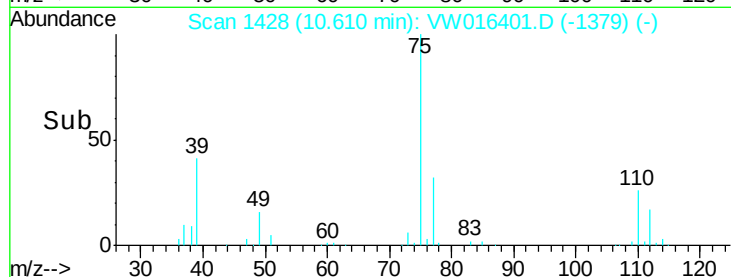
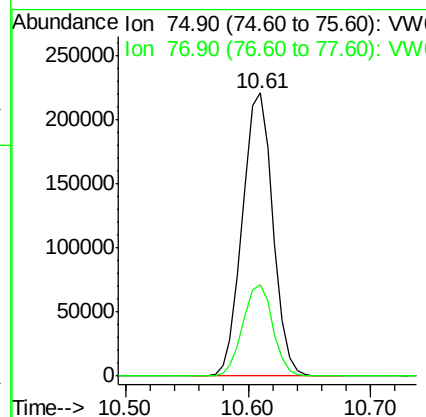
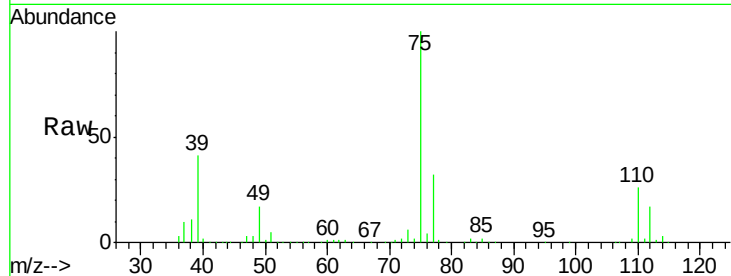
#53
 t-1,3-Dichloropropene
 Concen: 160.834 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 380759
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.1 39.1

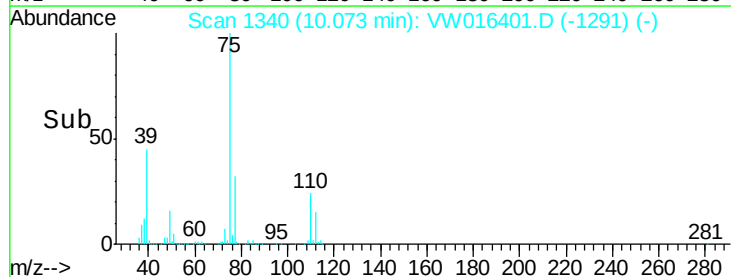
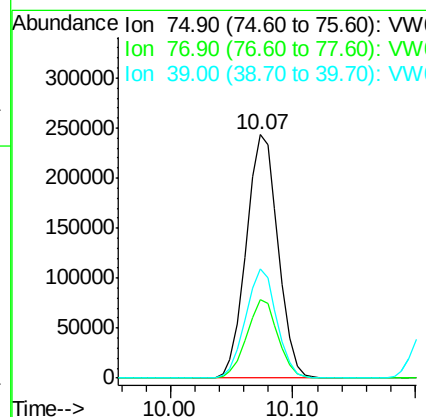
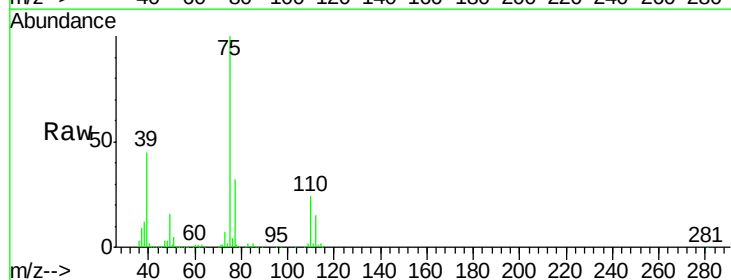
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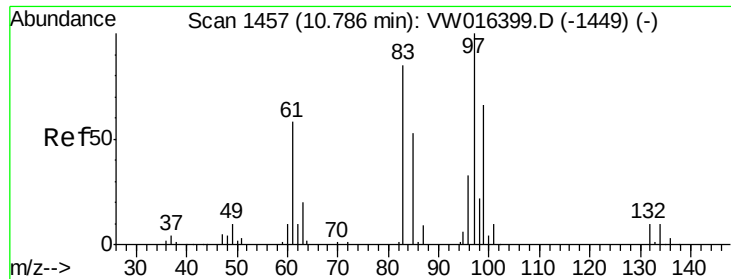
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#54
 cis-1,3-Dichloropropene
 Concen: 150.806 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion: 75 Resp: 438566
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.4 36.6
 39 44.8 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 144.290 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

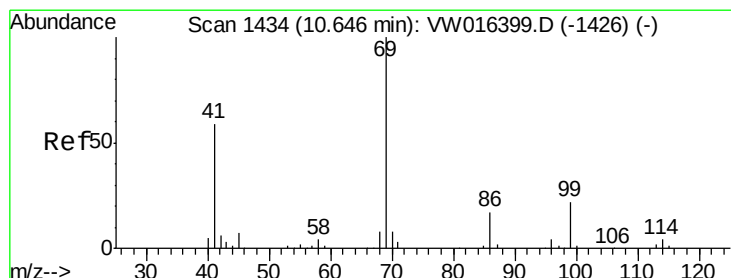
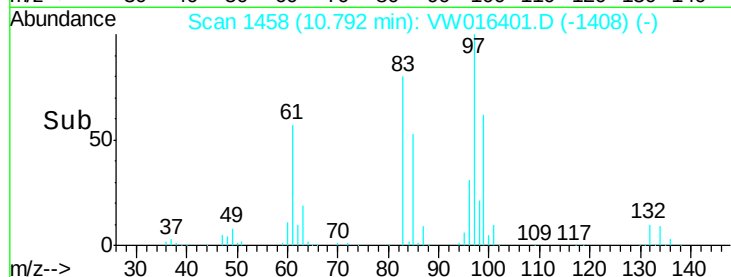
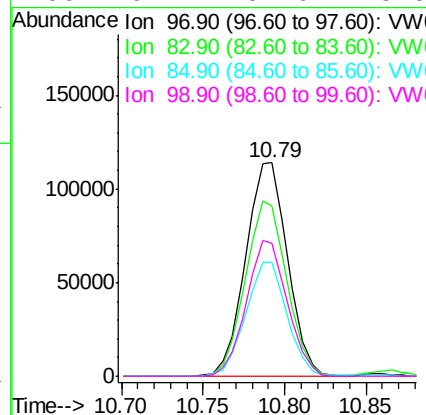
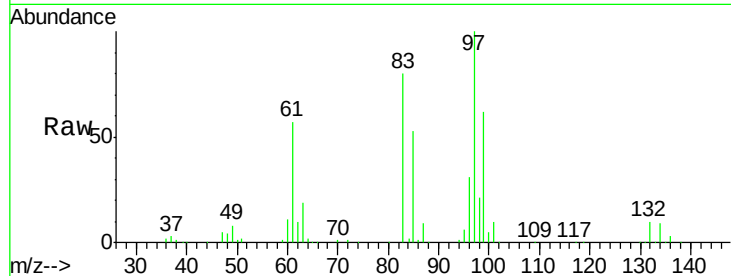
ClientSampleId :

VSTDIC150

Tot Ion	97	Resp	203552
Ion Ratio	Lower	Upper	
97	100		
83	80.0	68.0	102.0
85	53.2	42.2	63.2
99	62.4	52.6	78.8

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#56

Ethyl methacrylate

Concen: 164.148 ug/l

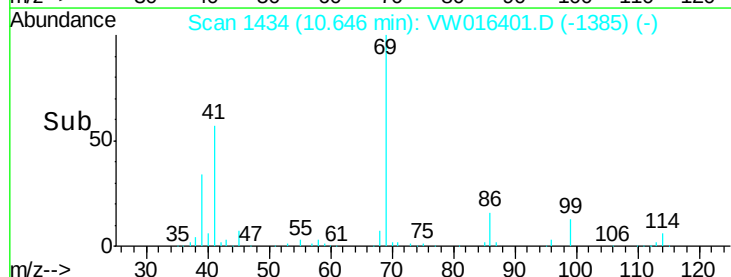
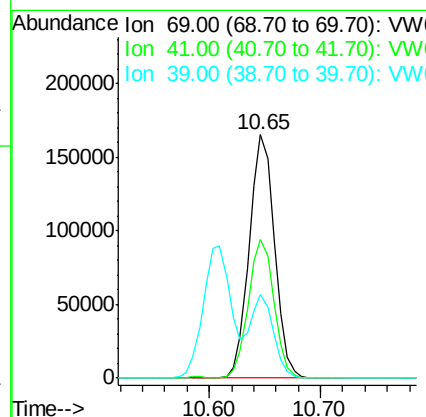
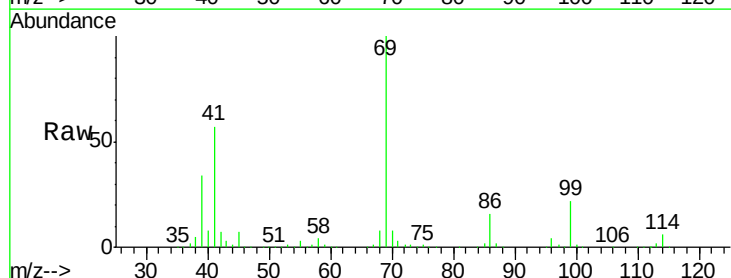
RT: 10.65 min Scan# 1434

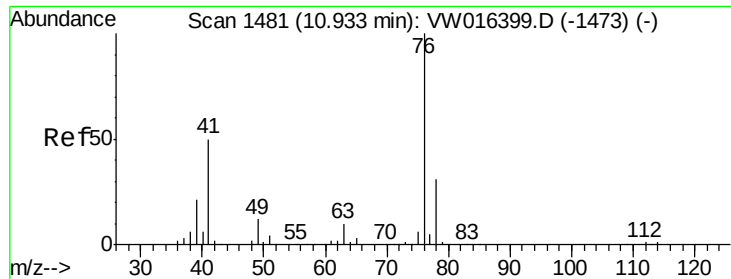
Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion	69	Resp	261916
Ion Ratio	Lower	Upper	
69	100		
41	57.1	46.5	69.7
39	31.6	26.2	39.2





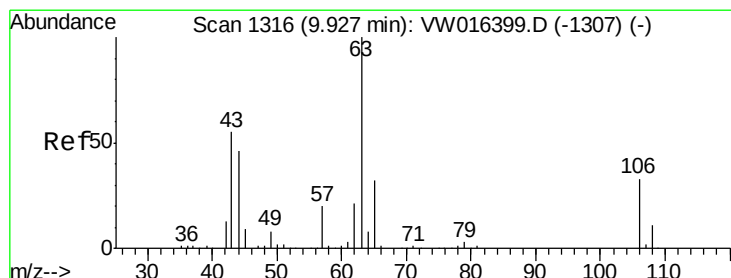
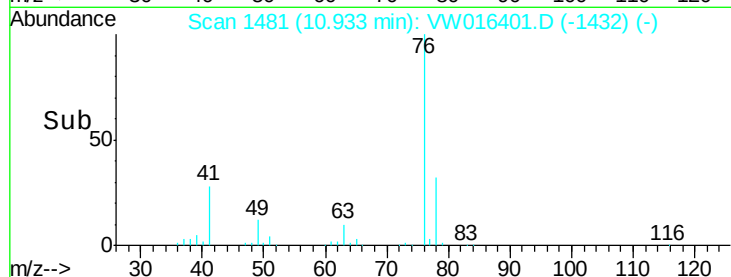
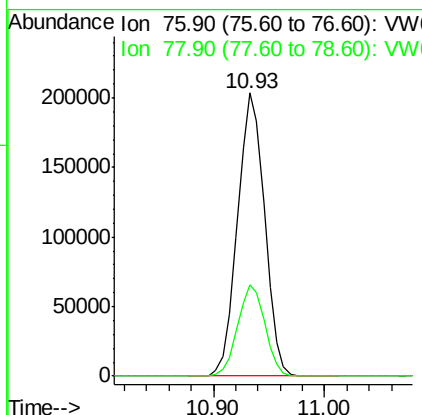
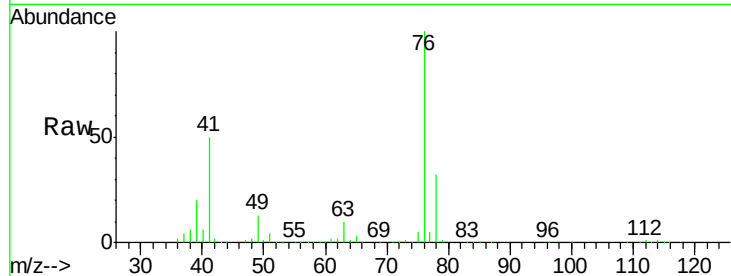
#57
 1,3-Dichloropropane
 Concen: 143.792 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion: 76 Resp: 343014
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

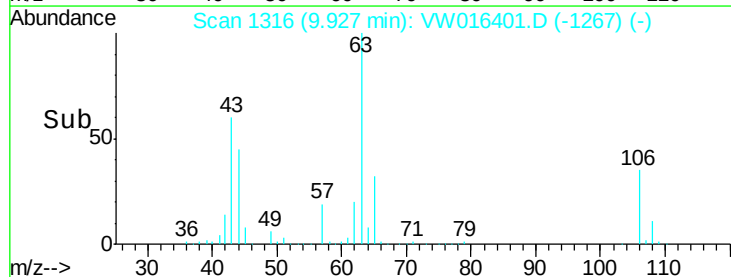
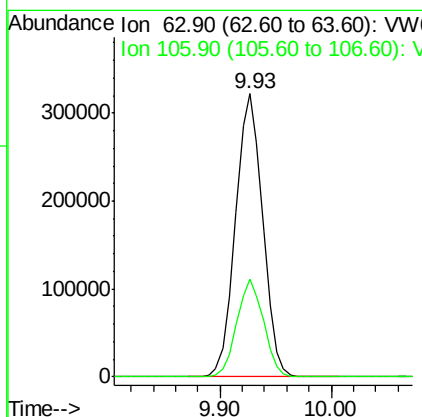
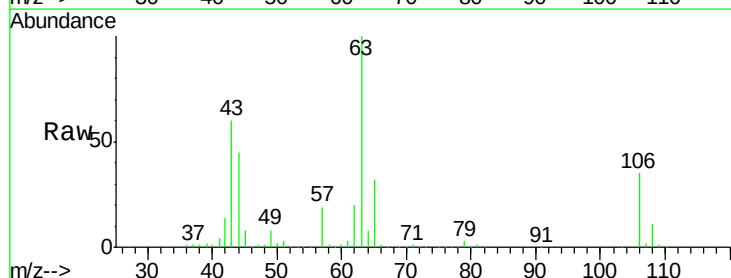
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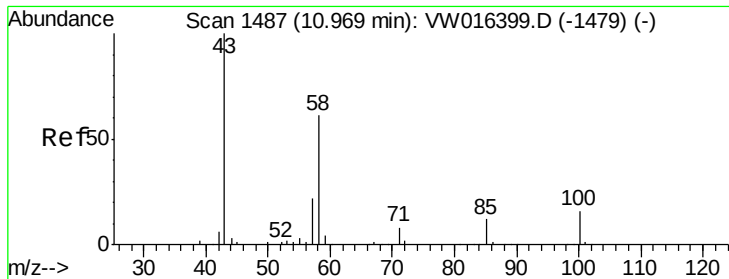
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#58
 2-Chloroethyl Vinyl ether
 Concen: 745.230 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion: 63 Resp: 542372
 Ion Ratio Lower Upper
 63 100
 106 33.9 26.6 40.0





#59

2-Hexanone

Concen: 760.809 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 469403

Ion Ratio Lower Upper

43 100

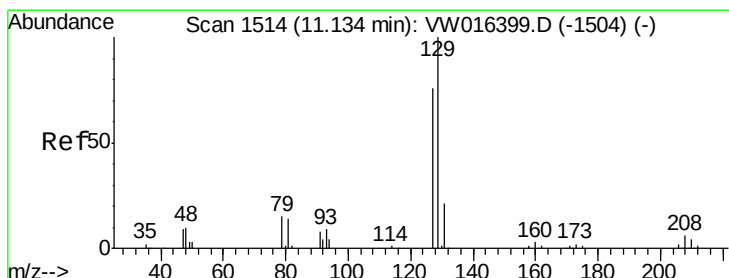
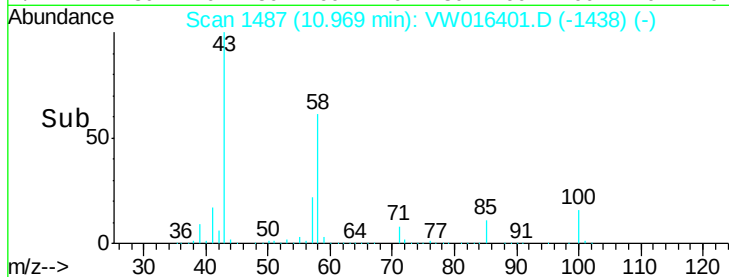
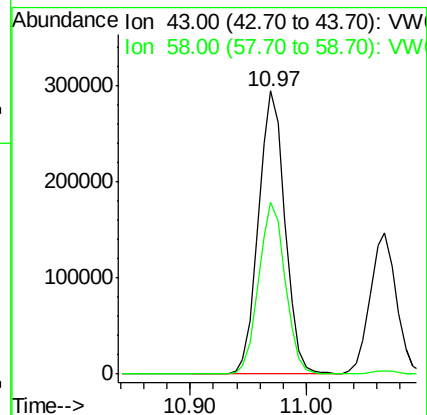
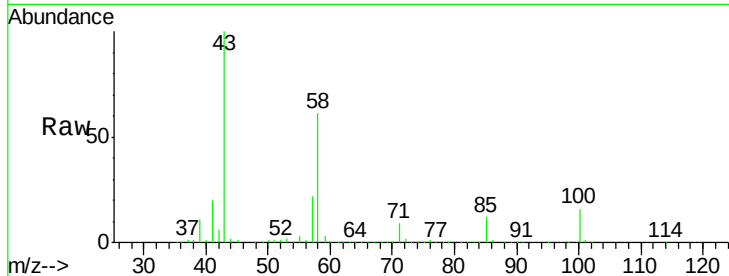
58 60.6 29.7 89.1

Manual Integrations

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#60

Dibromochloromethane

Concen: 158.504 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016401.D

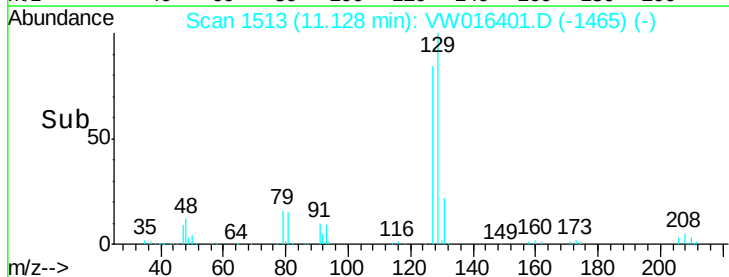
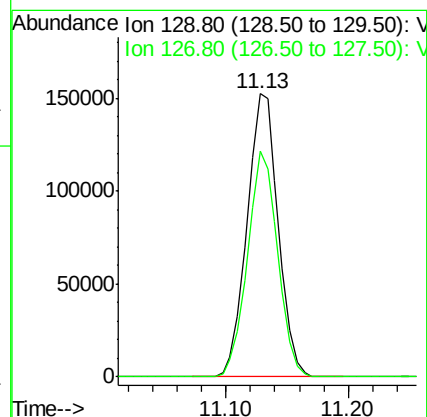
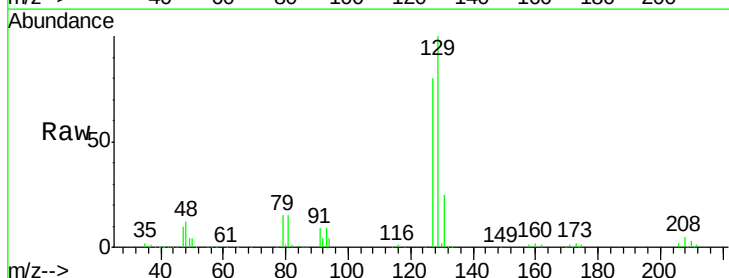
Acq: 28 Aug 2020 14:31

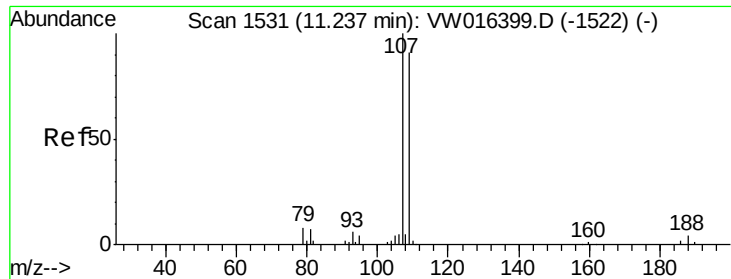
Tgt Ion: 129 Resp: 269226

Ion Ratio Lower Upper

129 100

127 77.3 38.6 115.7





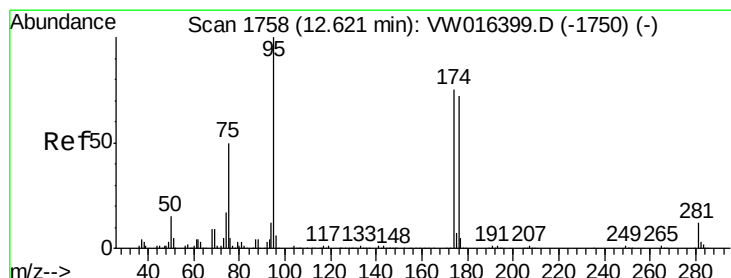
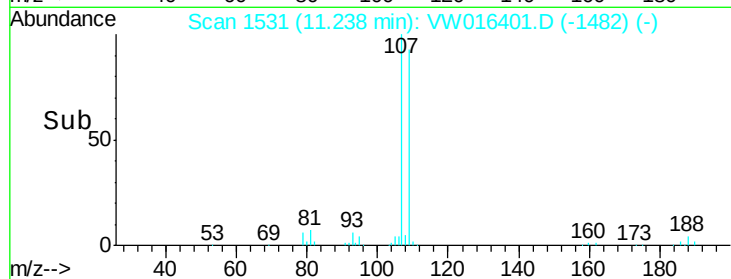
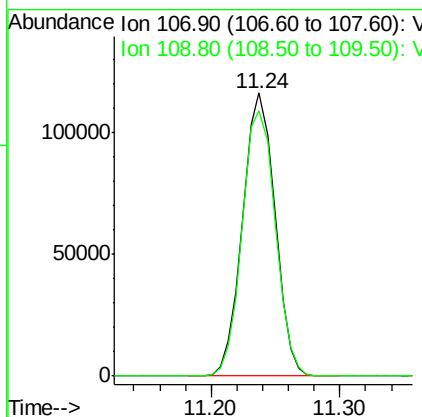
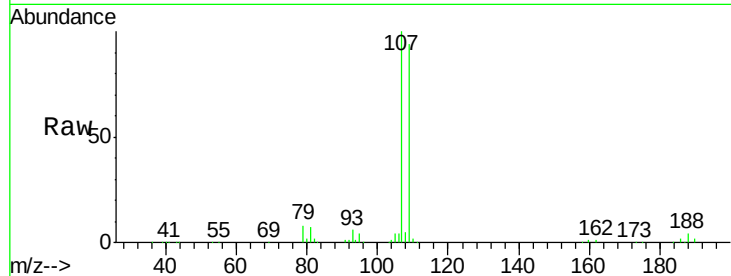
#61
 1,2-Dibromoethane
 Concen: 149.256 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	202794		
109	96.4	74.5	111.7	

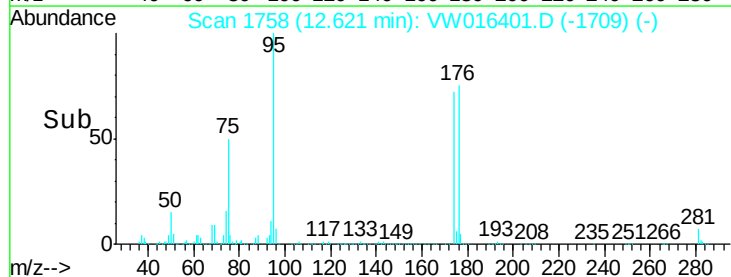
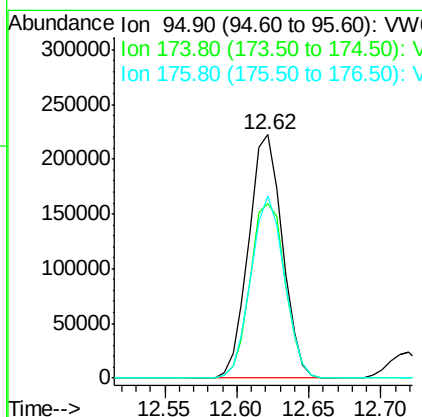
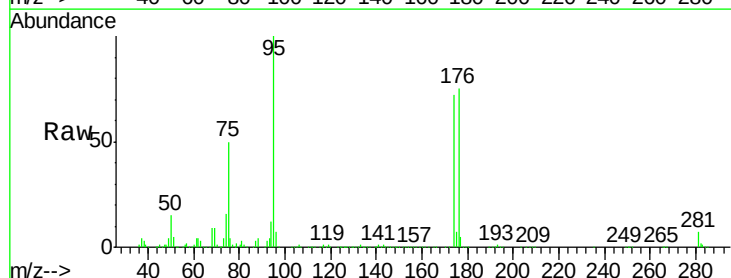
Manual Integrations
 APPROVED

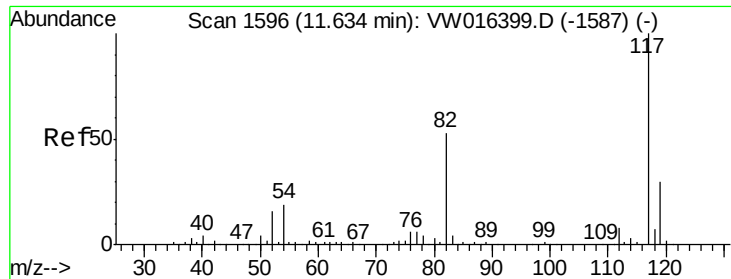
MMDadoda
 8/31/2020 11:59:33 AM



#62
 4-Bromofluorobenzene
 Concen: 149.106 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	360750		
174	74.6	0.0	152.0	
176	73.9	0.0	145.6	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

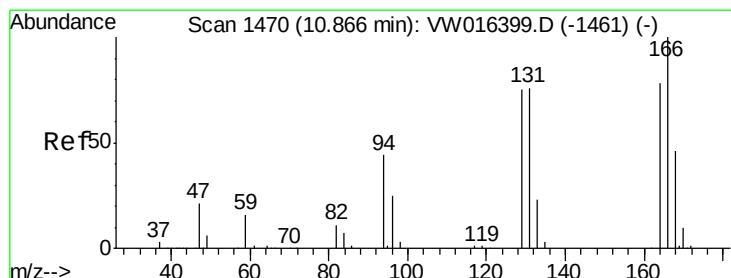
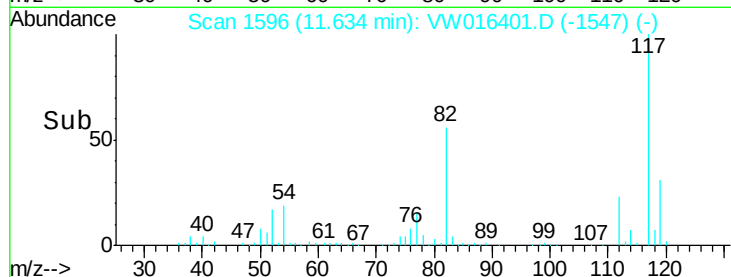
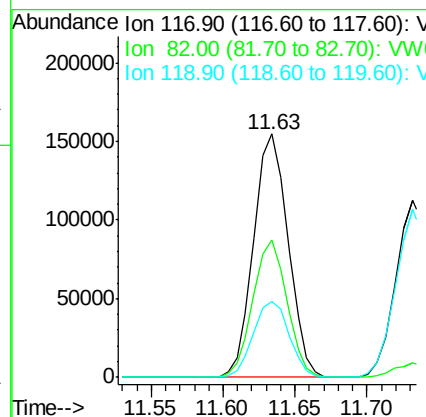
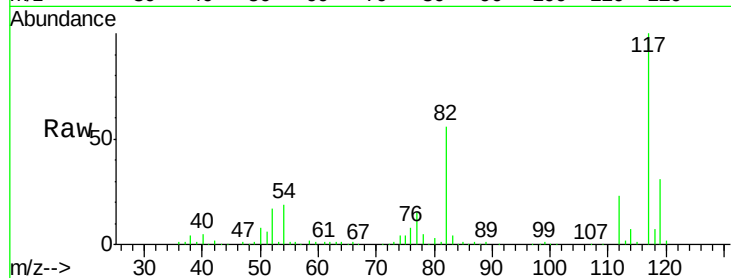
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	256803
Ion Ratio	Lower	Upper	
117	100		
82	56.3	42.2	63.4
119	31.0	24.2	36.4

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#64

Tetrachloroethene

Concen: 147.841 ug/l

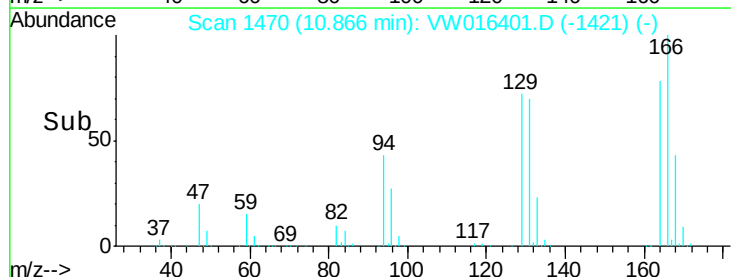
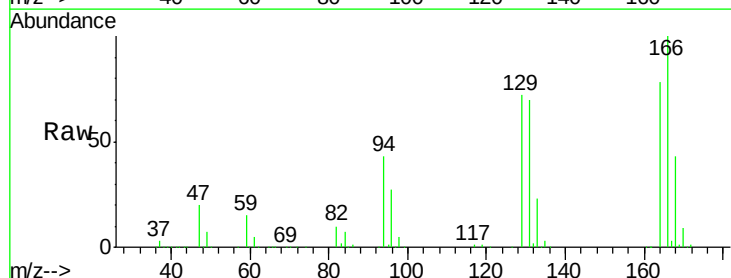
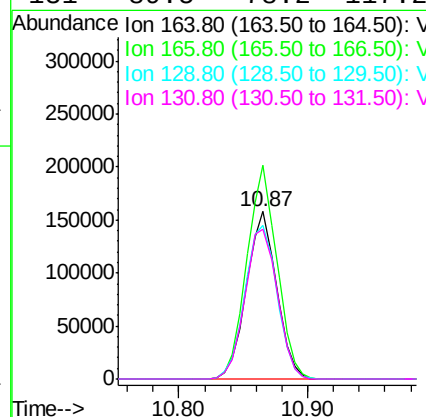
RT: 10.87 min Scan# 1470

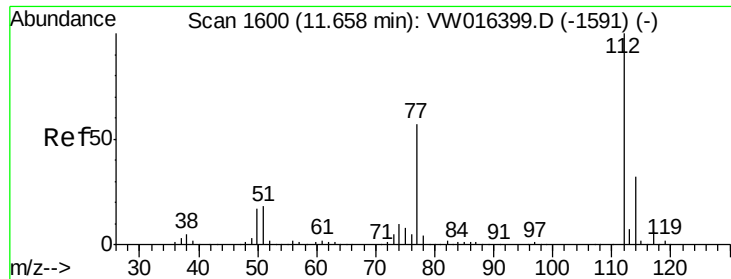
Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion:	164	Resp:	254147
Ion Ratio	Lower	Upper	
164	100		
166	127.4	103.1	154.7
129	91.3	77.3	115.9
131	89.5	78.2	117.2





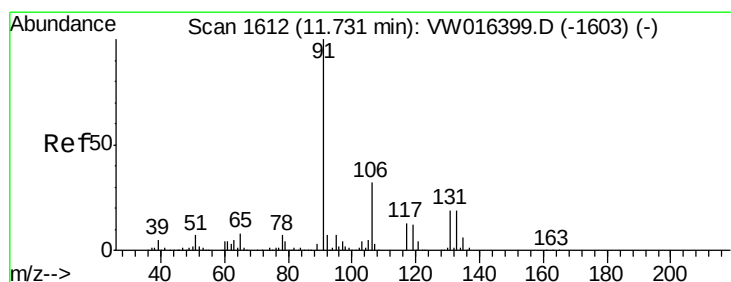
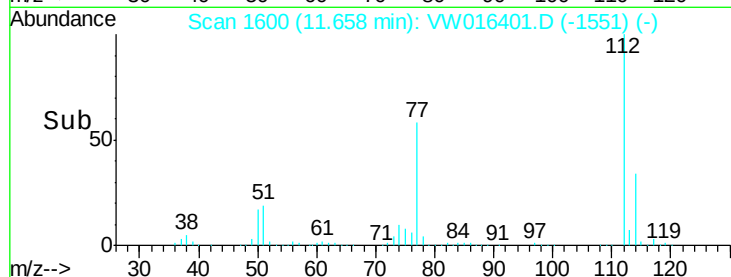
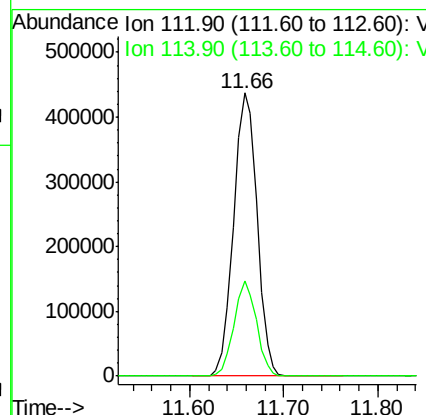
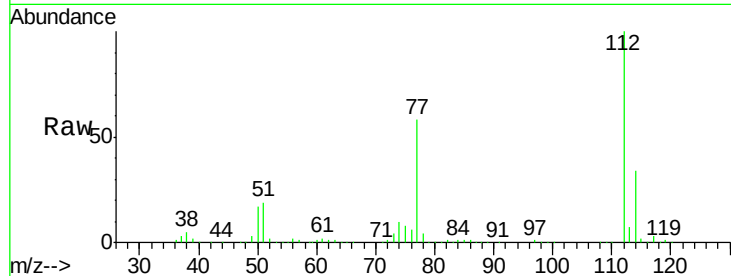
#65
Chlorobenzene
Concen: 141.796 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.4	38.2

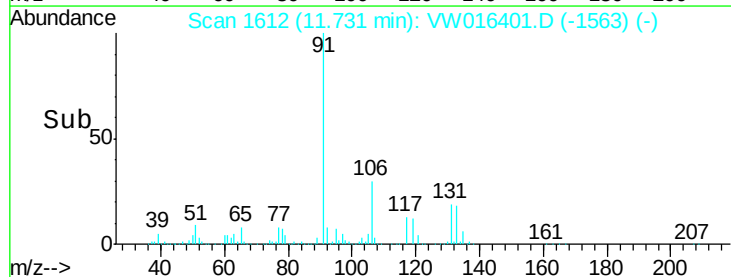
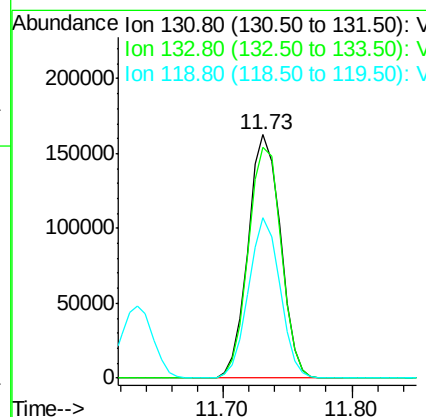
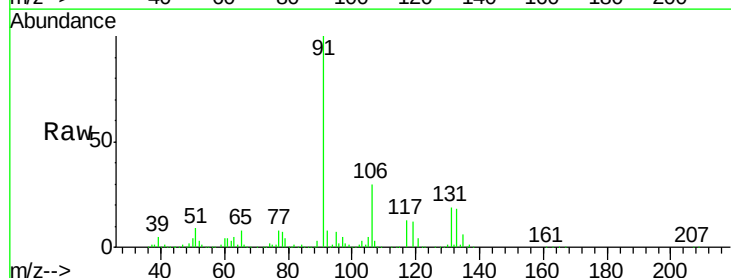
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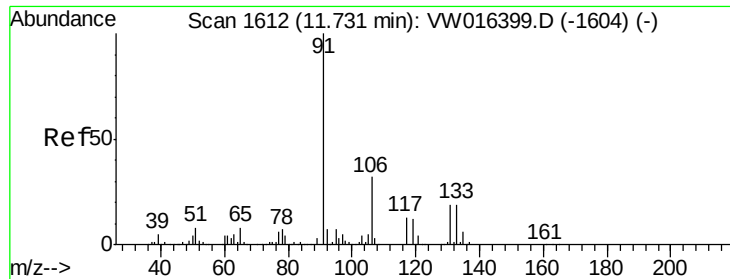
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#66
1,1,1,2-Tetrachloroethane
Concen: 150.197 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	46.9	140.6
119	64.1	31.6	95.0





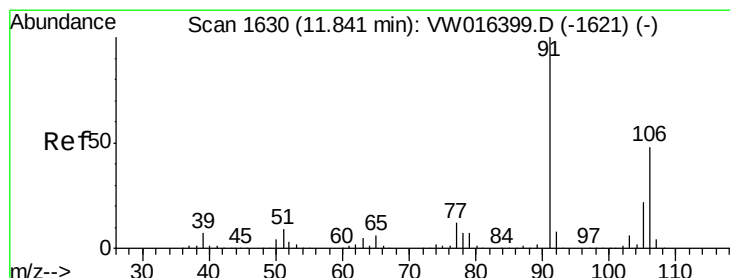
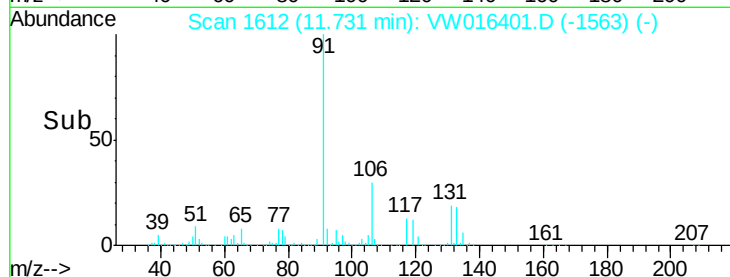
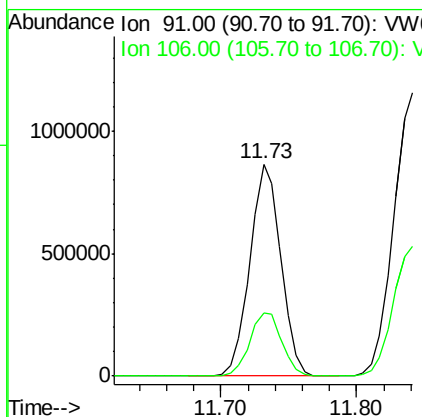
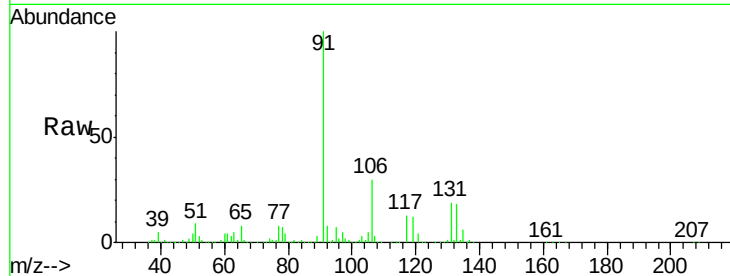
#67
Ethyl Benzene
Concen: 145.153 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion: 91 Resp: 1382302
Ion Ratio Lower Upper
91 100
106 29.9 25.3 37.9

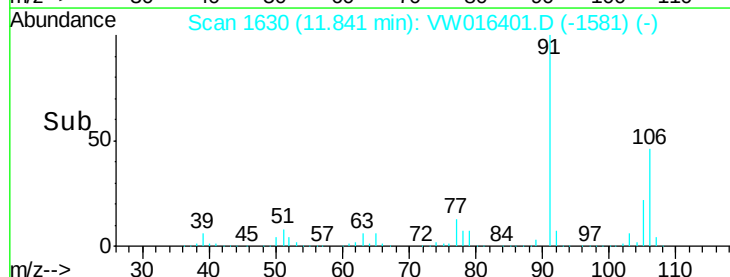
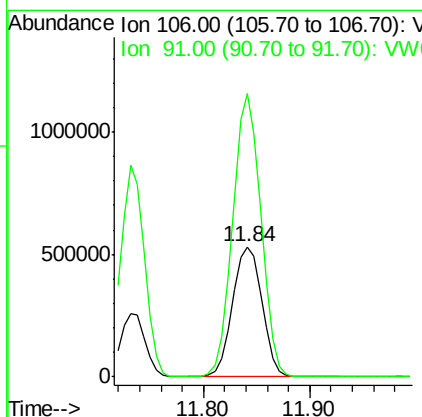
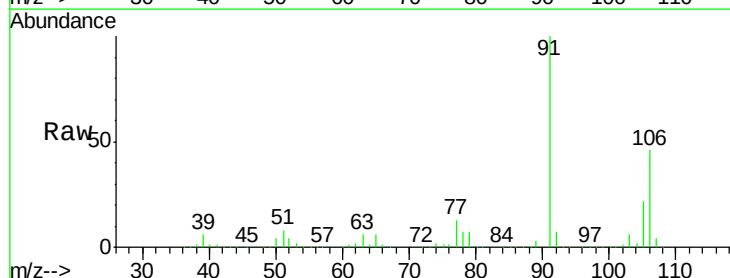
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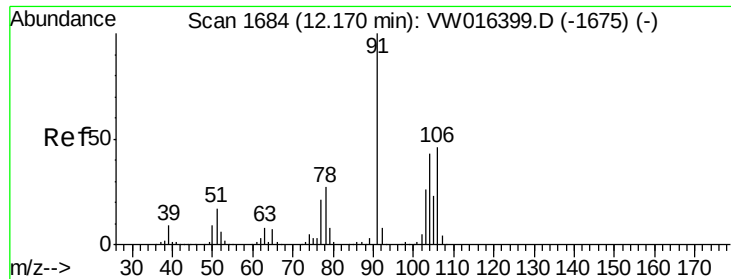
MMDadoda
8/31/2020 11:59:33 AM



#68
m/p-Xylenes
Concen: 281.747 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion:106 Resp: 1030657
Ion Ratio Lower Upper
106 100
91 208.7 167.7 251.5





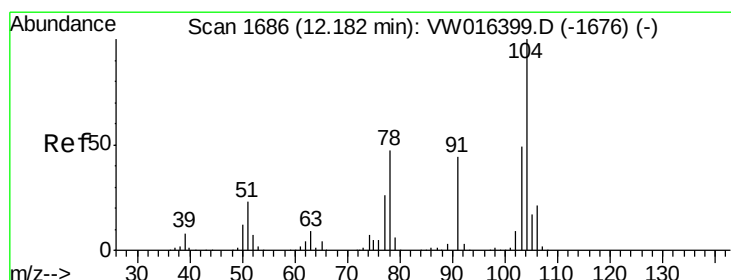
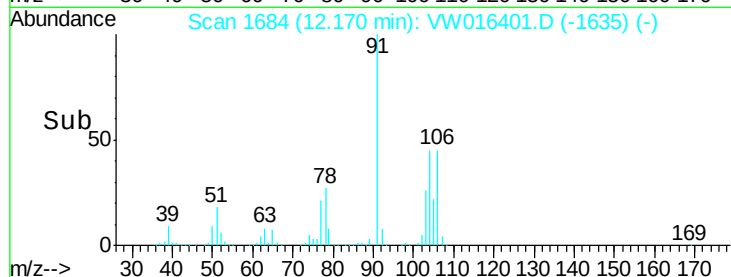
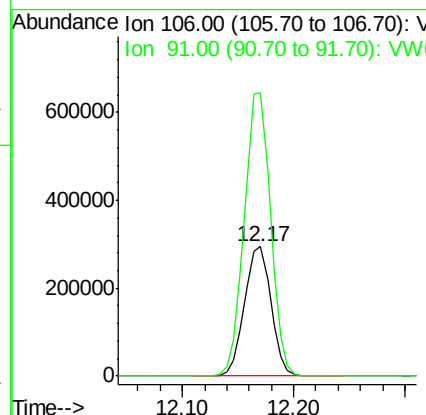
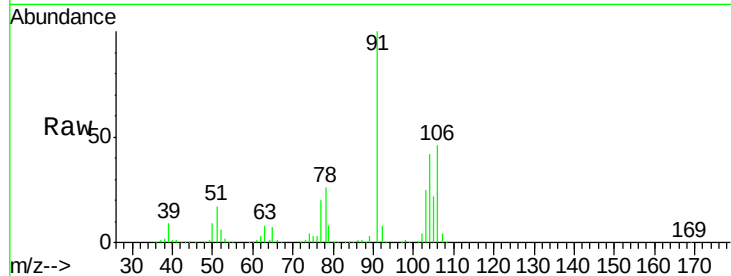
#69
o-Xylene
Concen: 149.642 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		487833		
91	217.8	111.7	334.9		

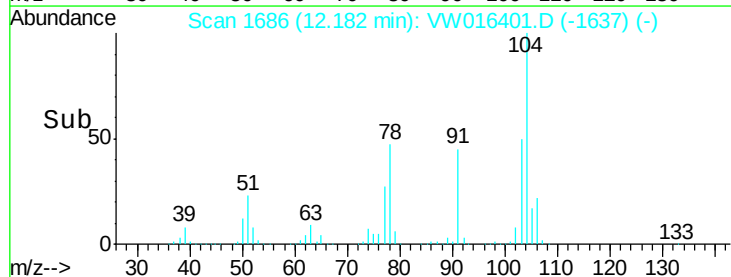
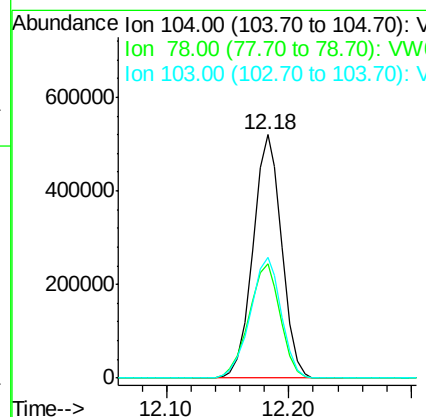
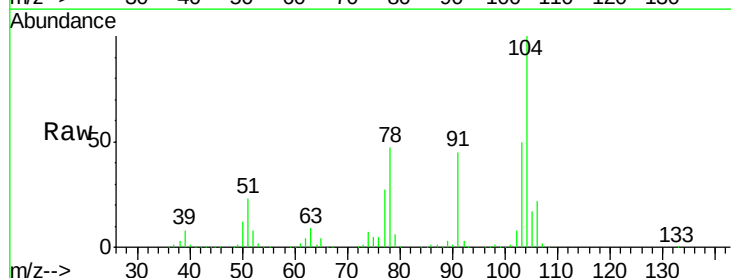
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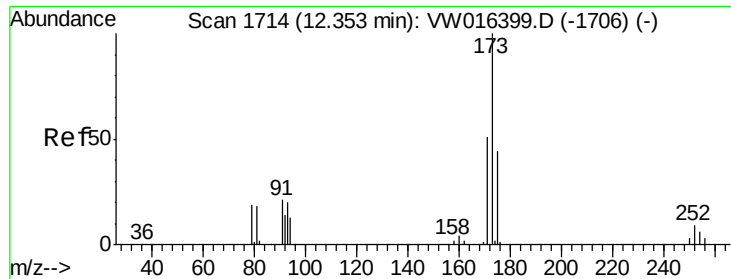
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#70
Styrene
Concen: 149.694 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		844927		
78	51.3	41.7	62.5		
103	53.7	42.9	64.3		





#71

Bromoform

Concen: 171.978 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 146815

Ion Ratio Lower Upper

173 100

175 50.2 23.5 70.6

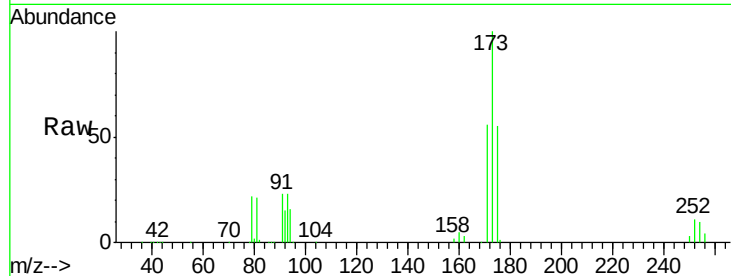
254 0.1 0.0 0.0#

Manual Integrations

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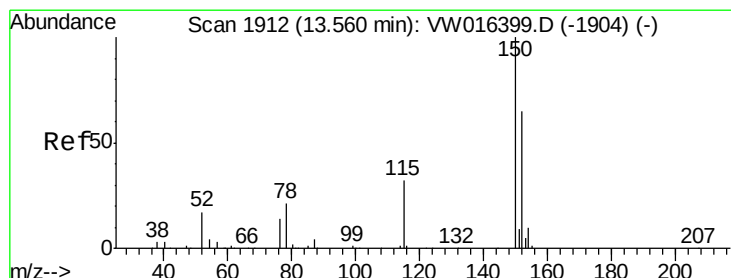
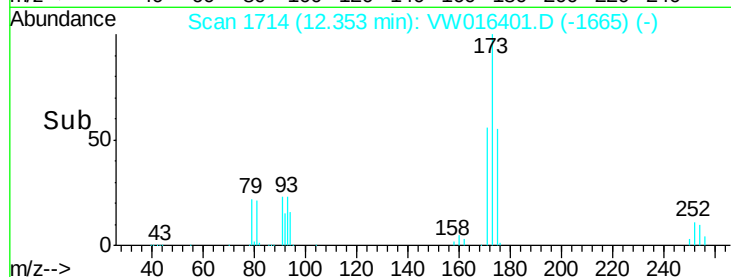
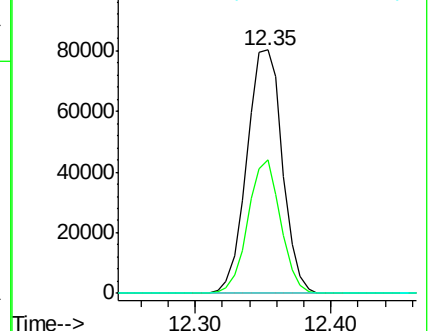
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

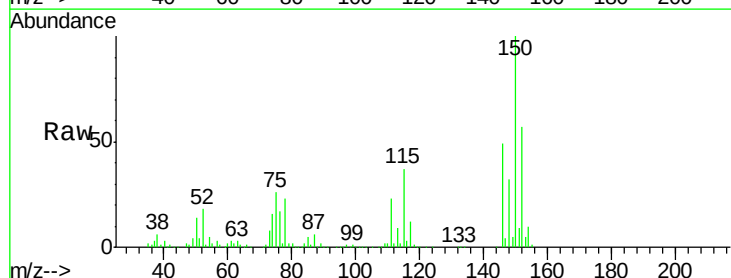
Tgt Ion:152 Resp: 117972

Ion Ratio Lower Upper

152 100

115 65.0 30.9 92.5

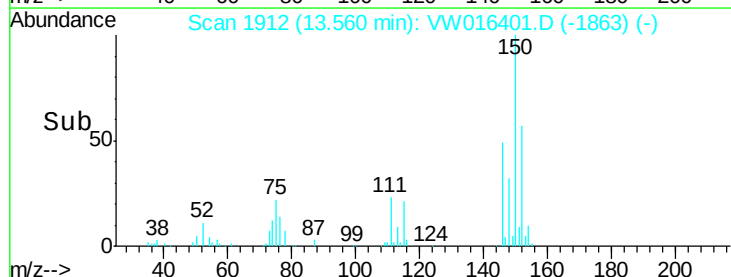
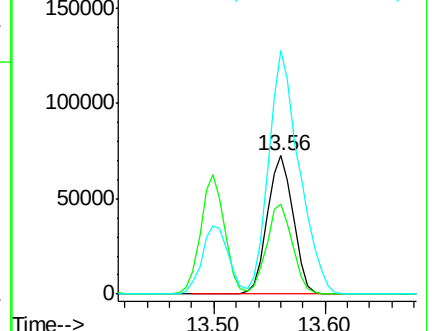
150 206.7 0.0 351.0

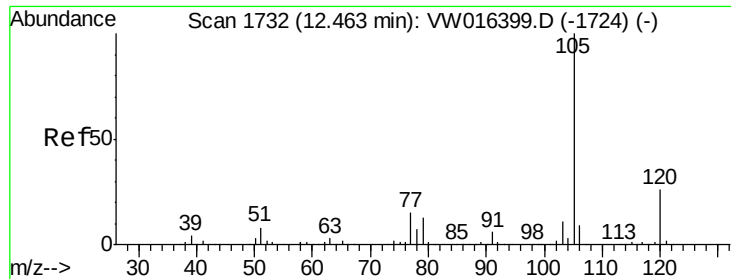


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 153.282 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1379079

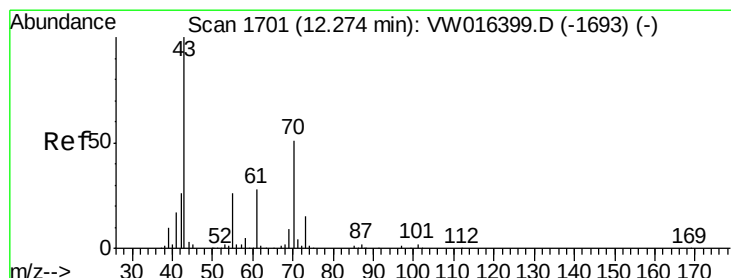
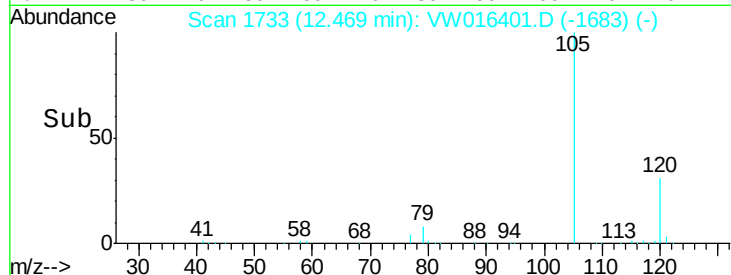
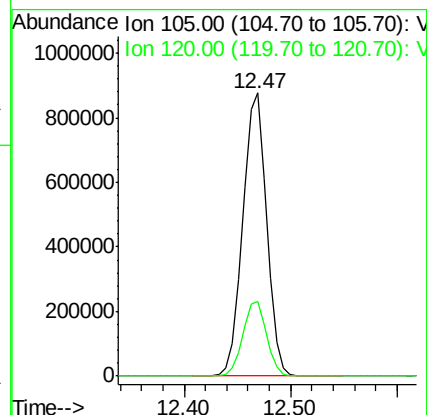
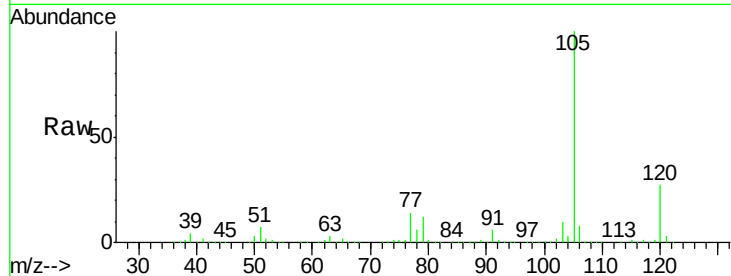
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 155.900 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion: 43 Resp: 247757

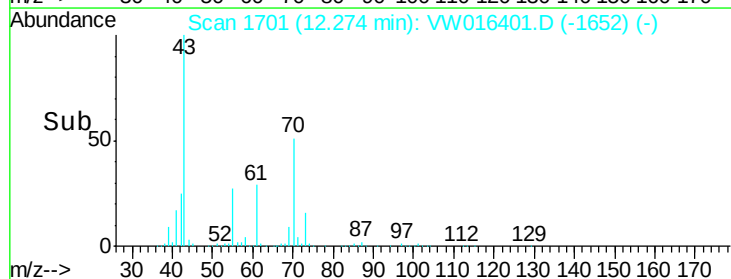
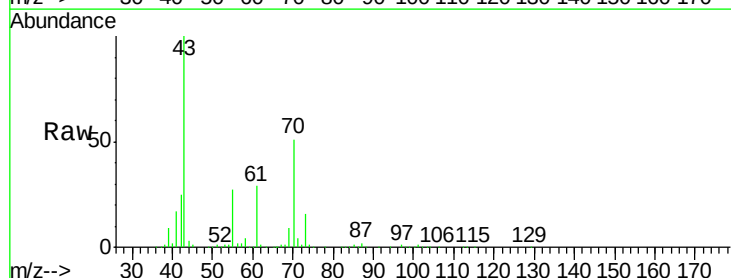
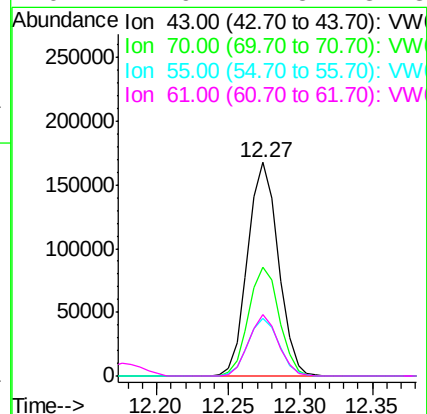
Ion Ratio Lower Upper

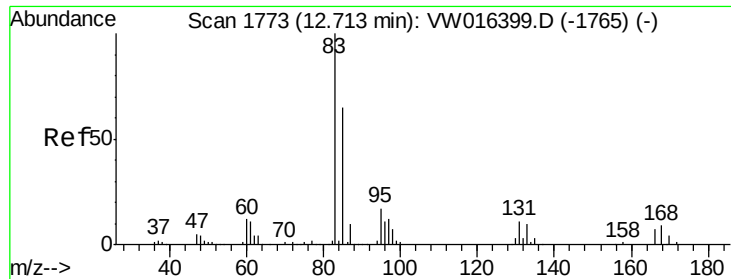
43 100

70 51.0 40.8 61.2

55 27.4 21.6 32.4

61 27.9 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 147.185 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Instrument :

MSVOA_W

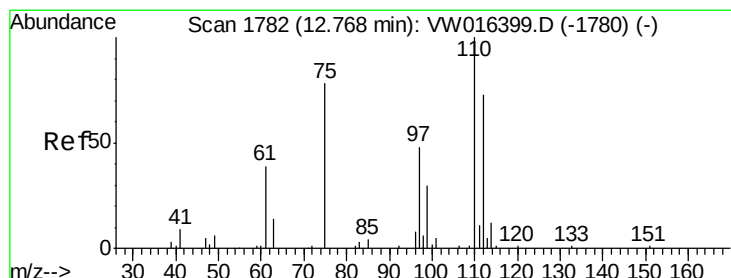
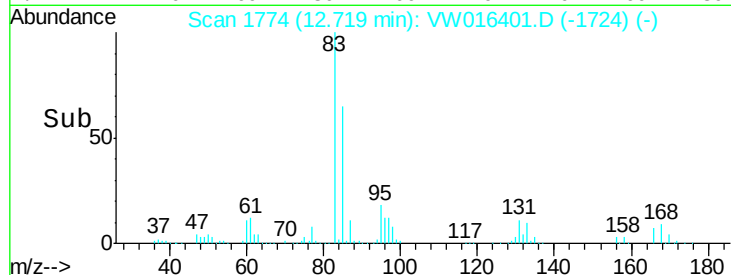
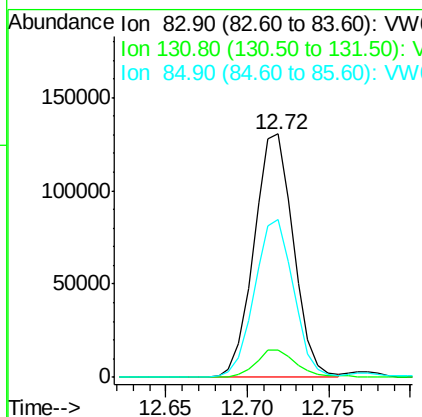
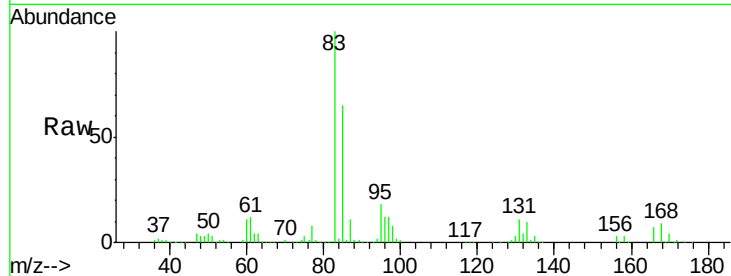
ClientSampled :

VSTDIC150

Tot Ion	83	Resp	219385
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.8
85	64.3	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 147.049 ug/l m

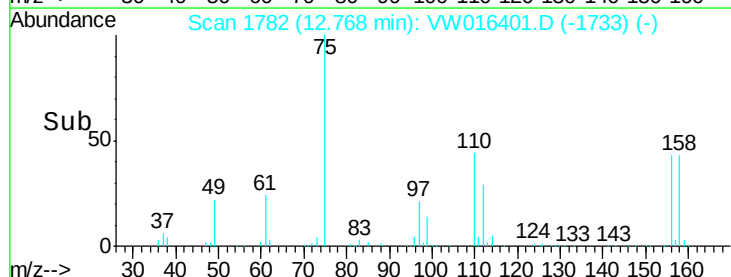
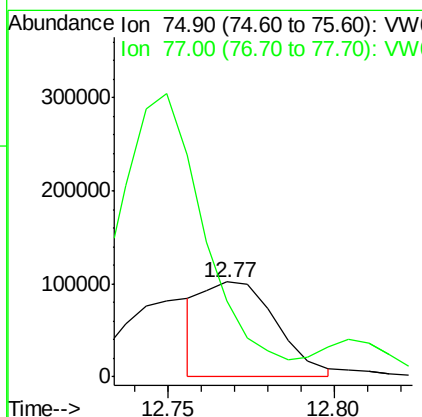
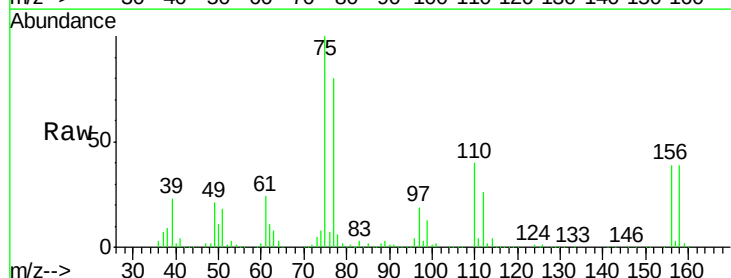
RT: 12.77 min Scan# 1782

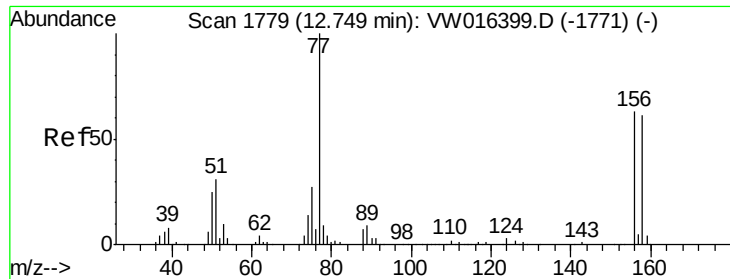
Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion	75	Resp	158559
Ion Ratio	Lower	Upper	
75	100		
77	348.7	173.4	520.2





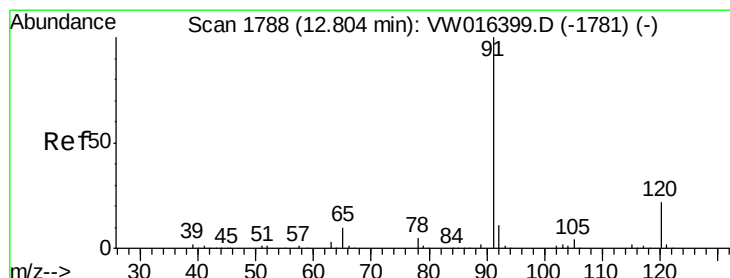
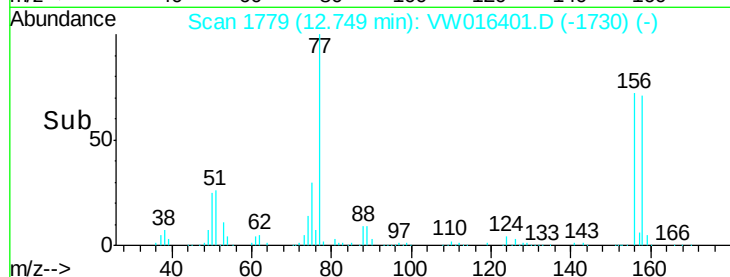
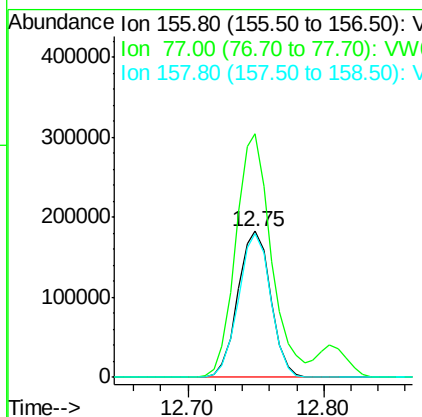
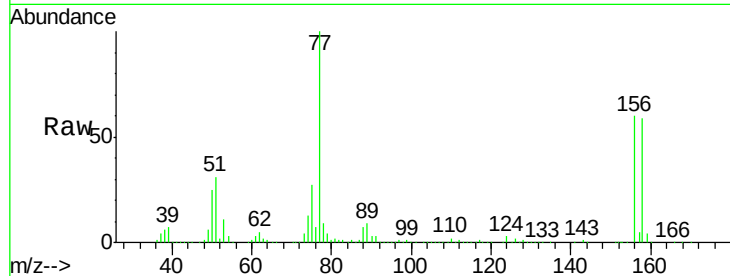
#77
Bromobenzene
Concen: 152.985 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.9	90.0	269.9
158	96.5	47.3	141.8

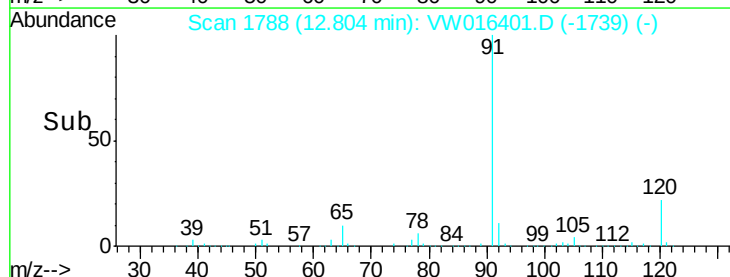
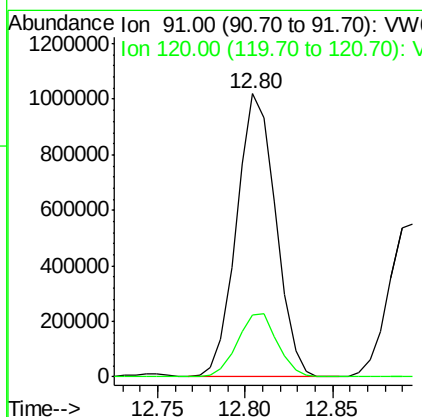
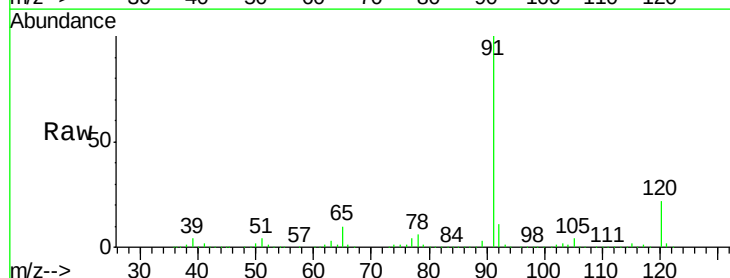
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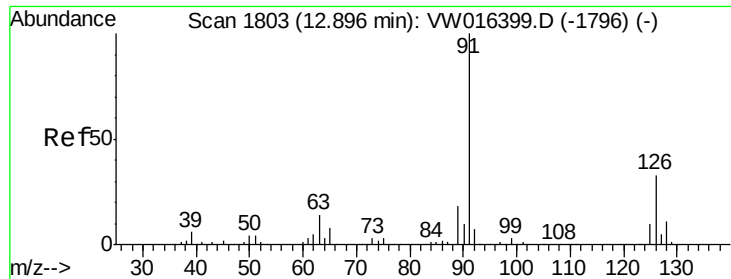
MMDadoda
8/31/2020 11:59:33 AM



#78
n-propylbenzene
Concen: 147.929 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.9





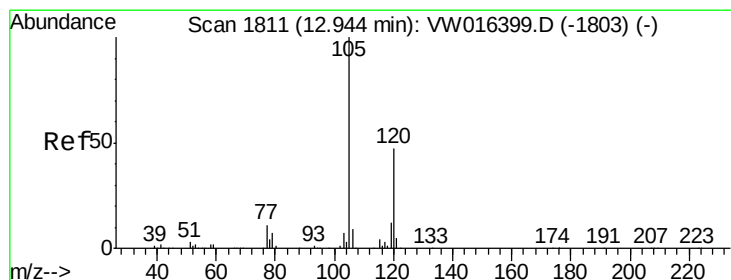
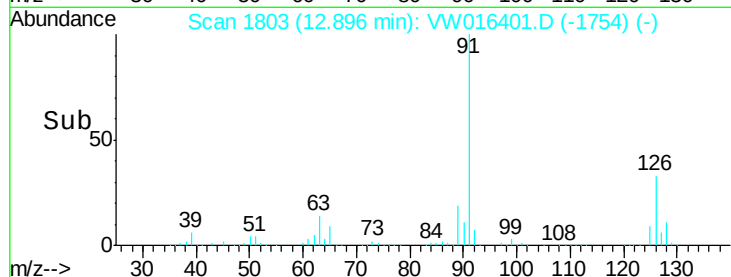
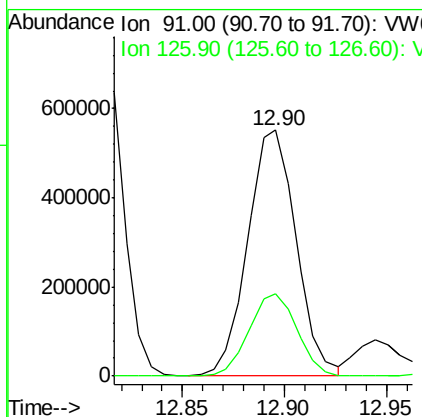
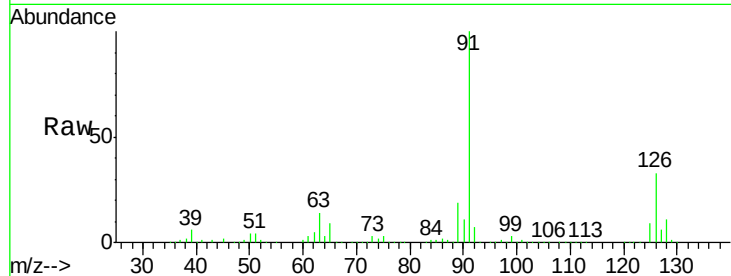
#79
 2-Chlorotoluene
 Concen: 147.244 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 912304
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.4 49.1

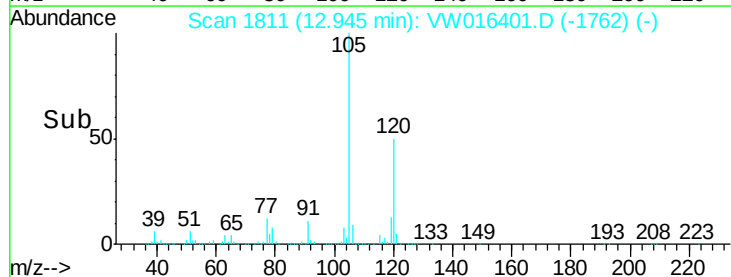
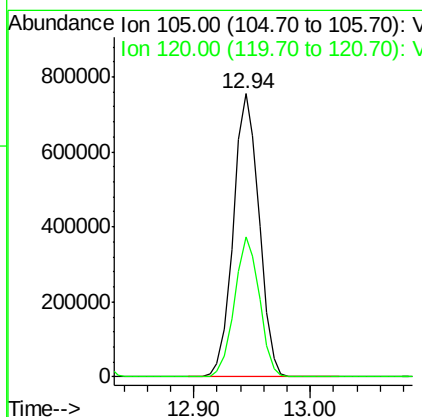
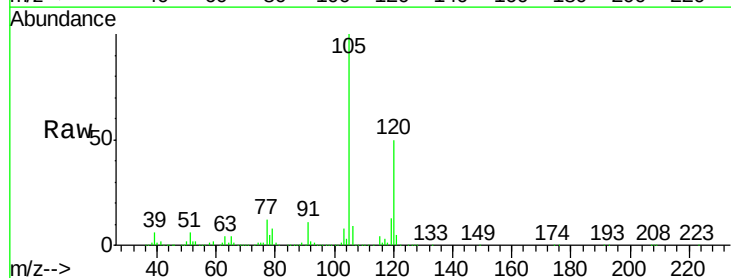
Manual Integrations
 APPROVED

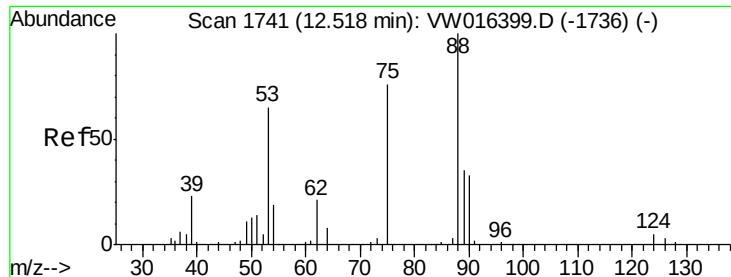
MMDadoda
 8/31/2020 11:59:33 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 149.685 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion:105 Resp: 1161219
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.2





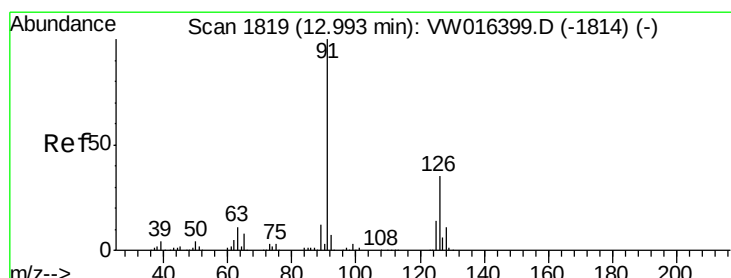
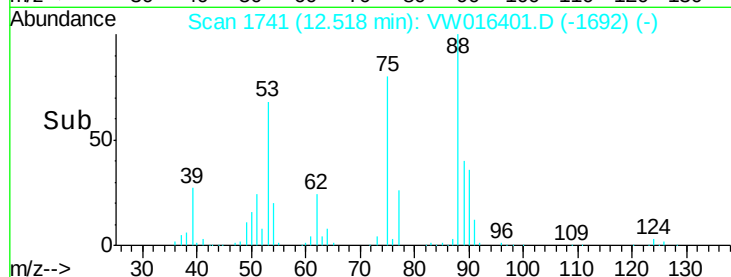
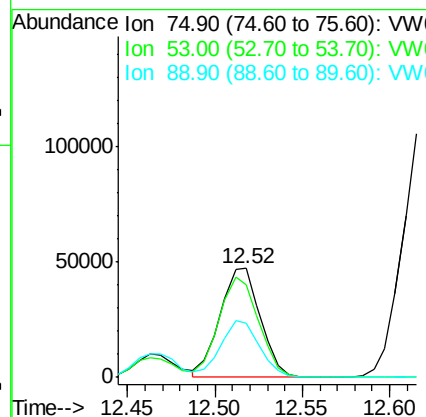
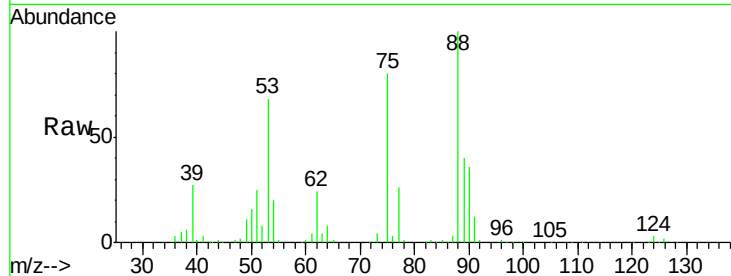
#81
trans-1,4-Dichloro-2-butene
Concen: 167.796 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	75.2	112.8
89	50.1	40.4	60.6

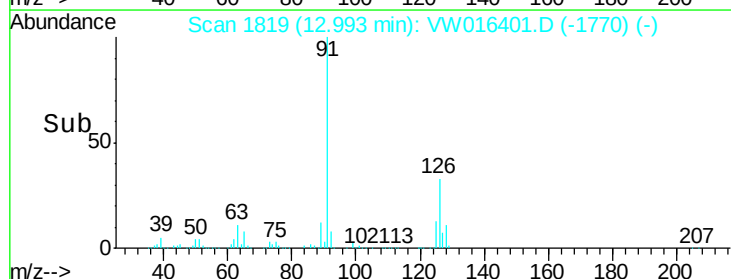
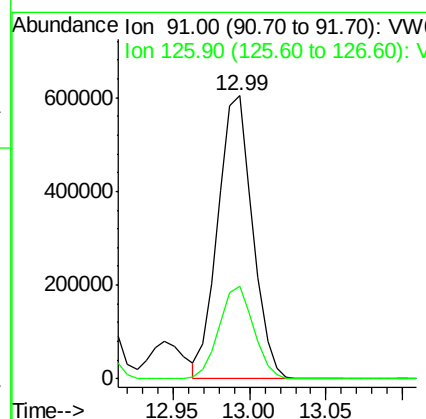
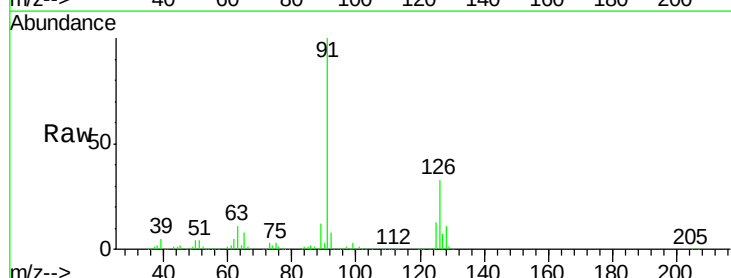
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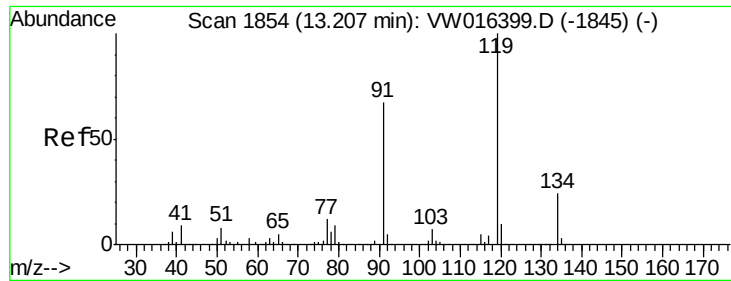
MMDadoda
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#82
4-Chlorotoluene
Concen: 147.693 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.0	50.9





#83

tert-Butylbenzene

Concen: 156.711 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

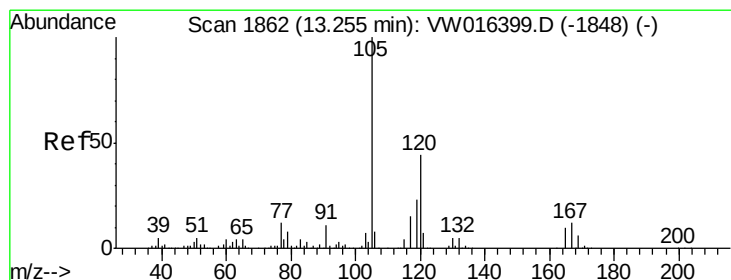
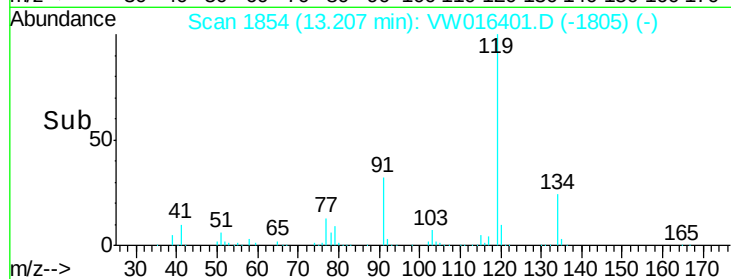
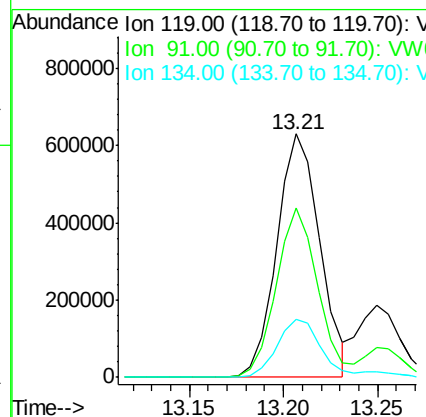
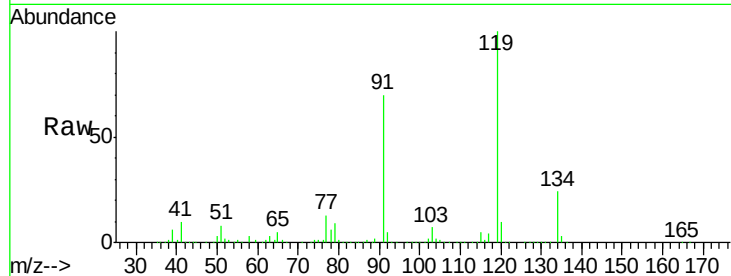
Instrument :
MSVOA_W

ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.1	102.3
134	25.9	12.3	36.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 150.868 ug/l

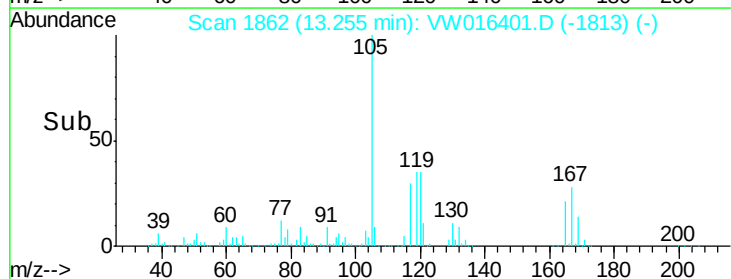
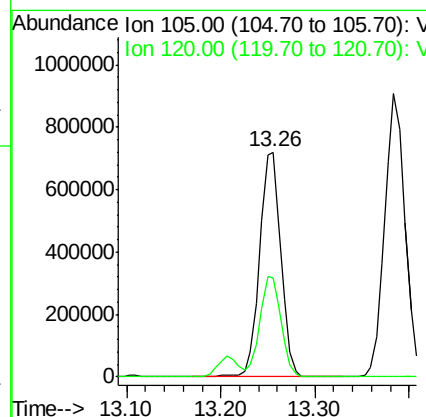
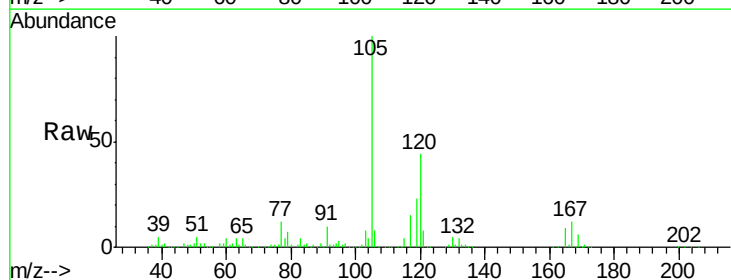
RT: 13.26 min Scan# 1862

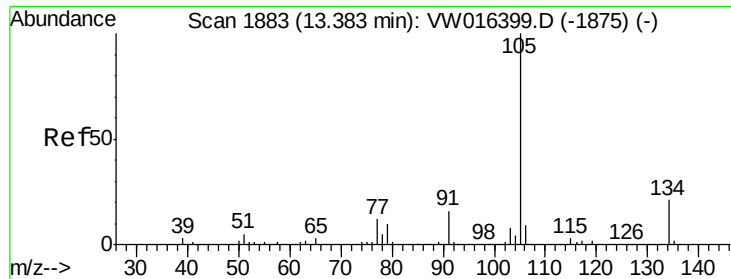
Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1





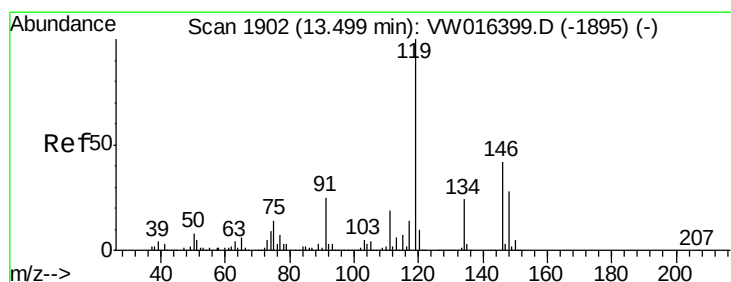
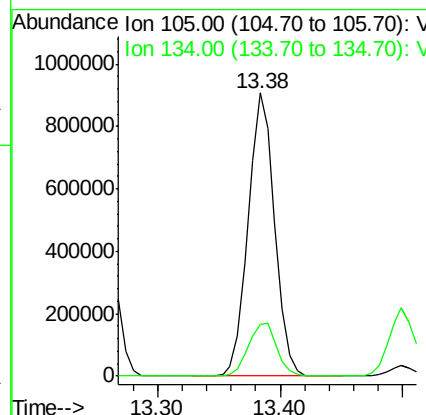
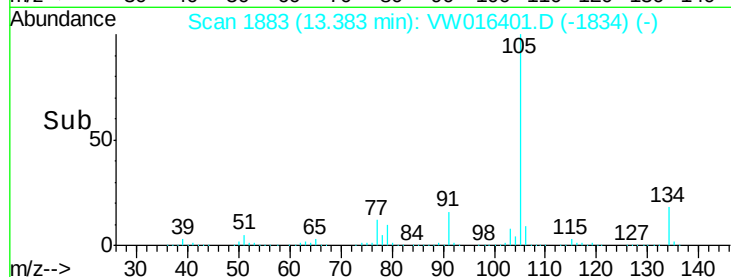
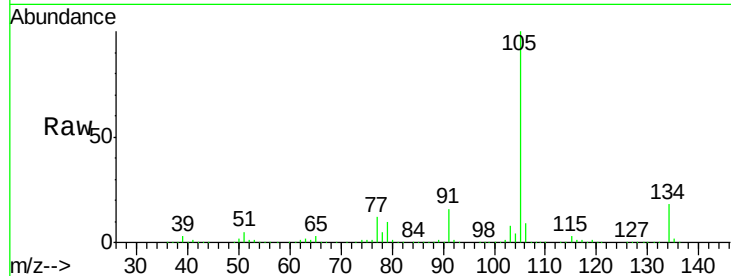
#85
 sec-Butylbenzene
 Concen: 148.357 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion:105 Resp: 1360038
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 30.0

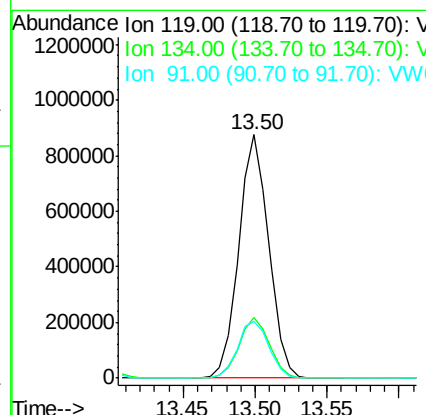
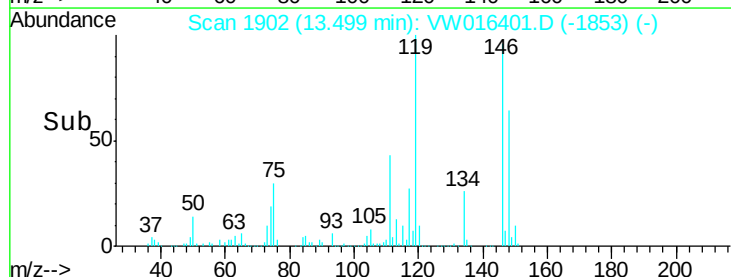
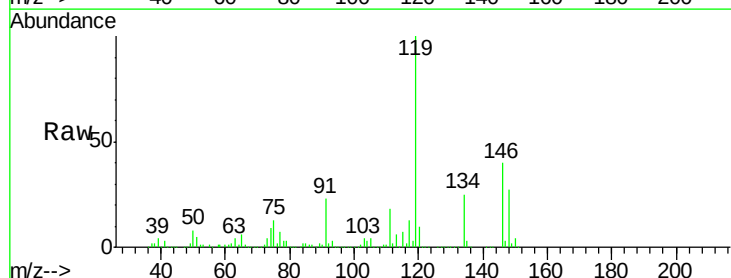
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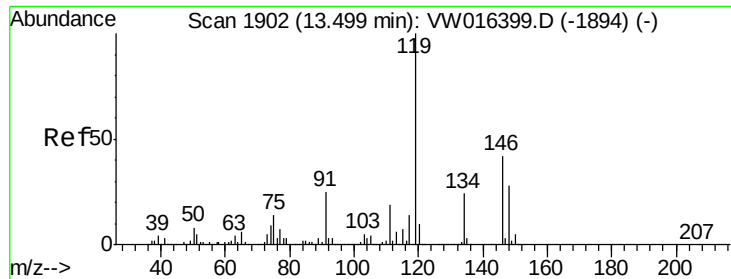
MMDadoda
 8/31/2020 11:59:33 AM



#86
 p-Isopropyltoluene
 Concen: 151.257 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion:119 Resp: 1263419
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.6 37.6
 91 24.5 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 144.117 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

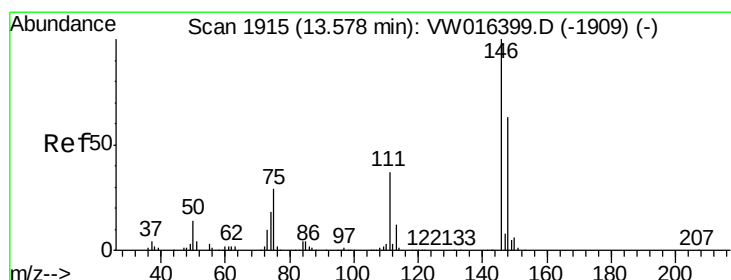
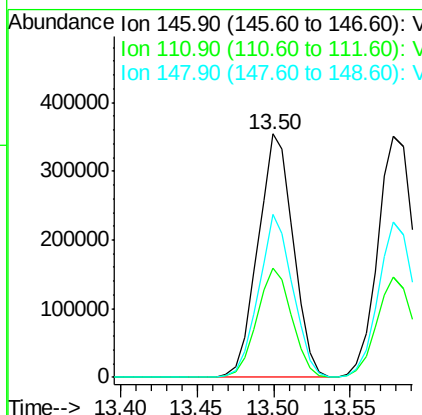
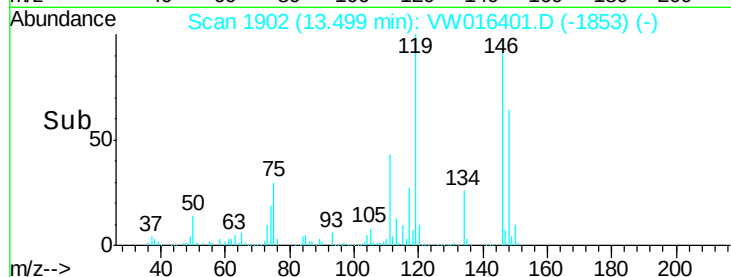
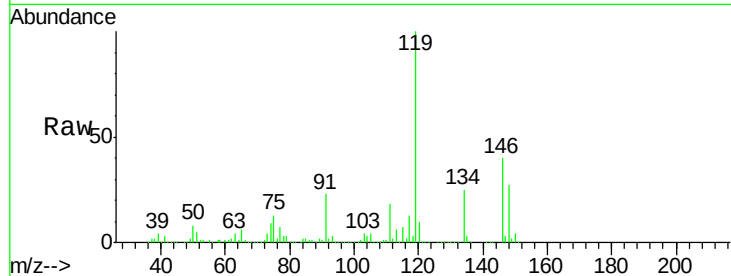
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.6	67.8
148	64.5	33.6	100.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 146.922 ug/l

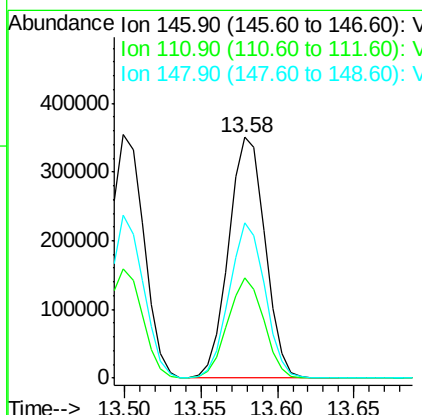
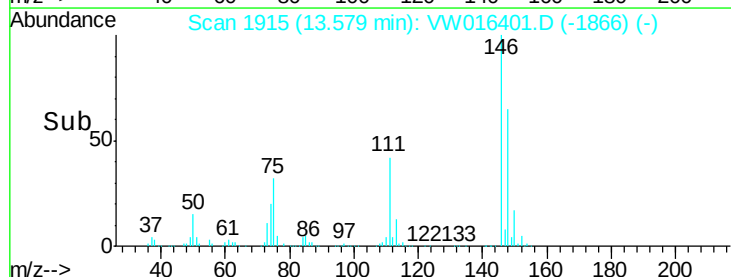
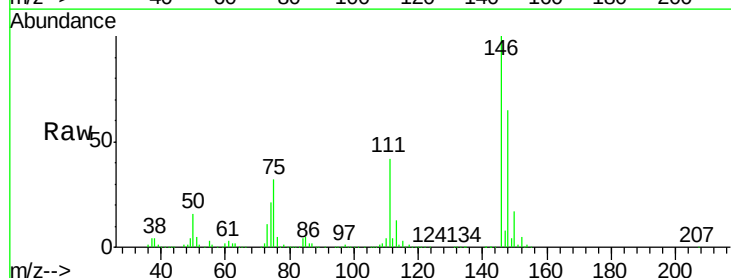
RT: 13.58 min Scan# 1915

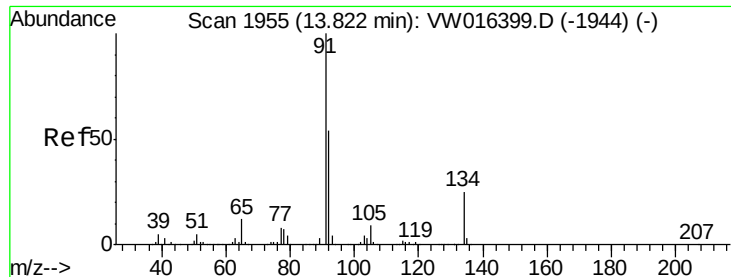
Delta R.T. 0.00 min

Lab File: VW016401.D

Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	63.1	32.0	96.2





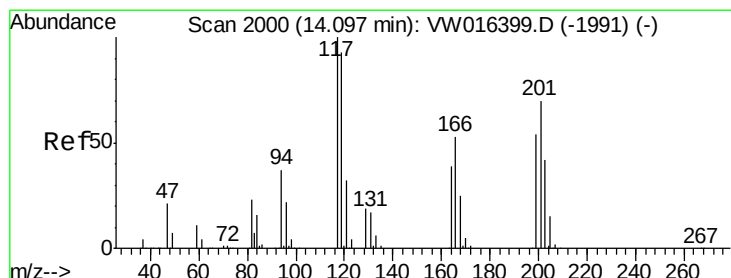
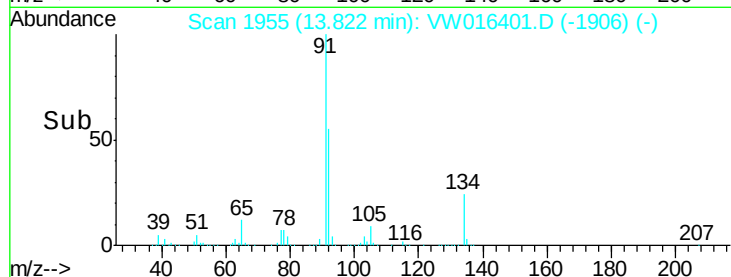
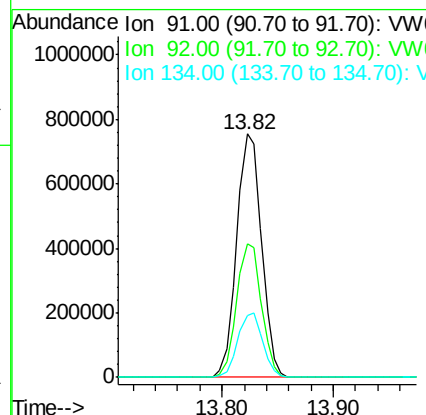
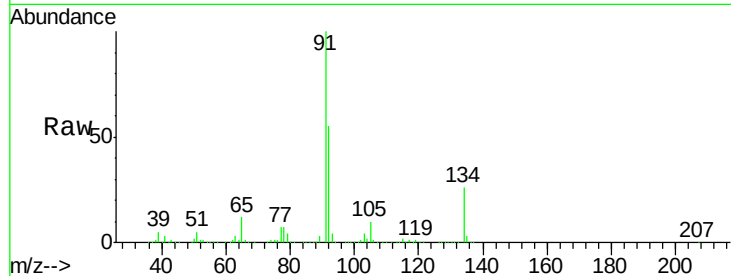
#89
n-Butylbenzene
Concen: 151.453 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	54.9	26.8	80.4	
134	26.5	13.2	39.6	

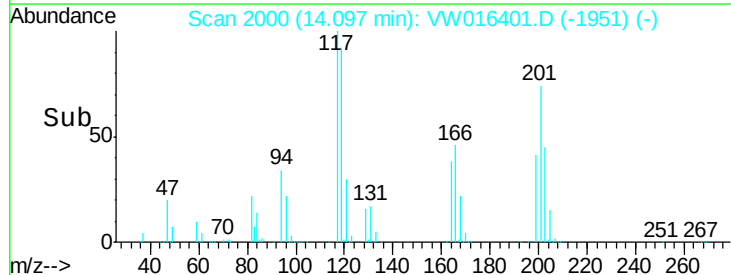
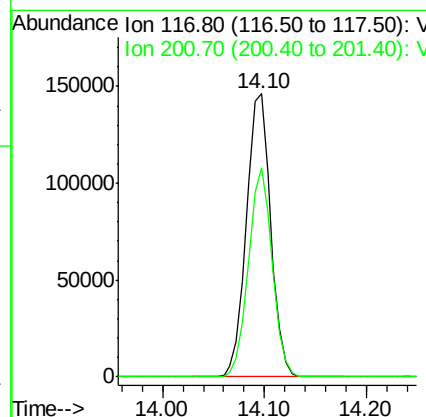
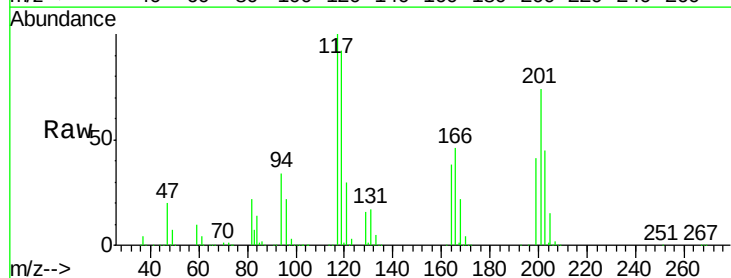
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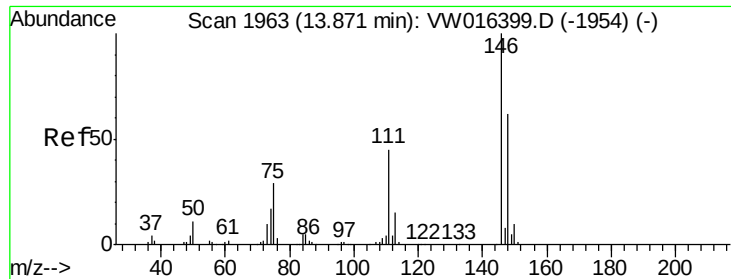
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#90
Hexachloroethane
Concen: 154.460 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	72.2	35.9	107.7	





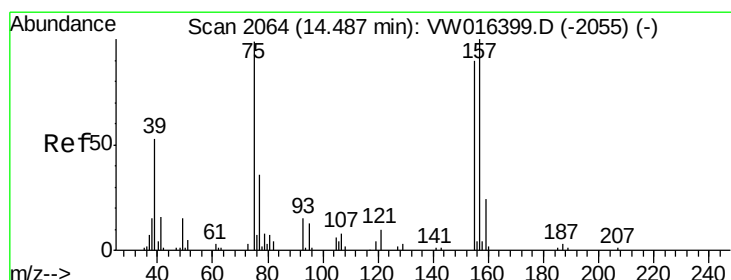
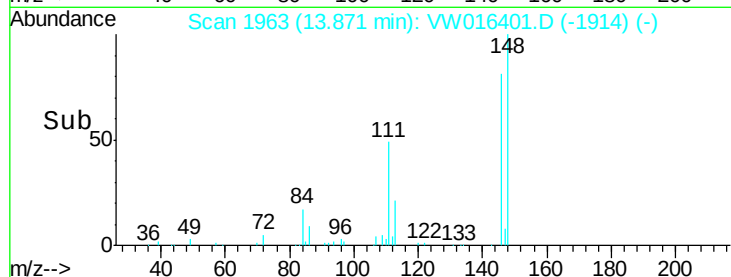
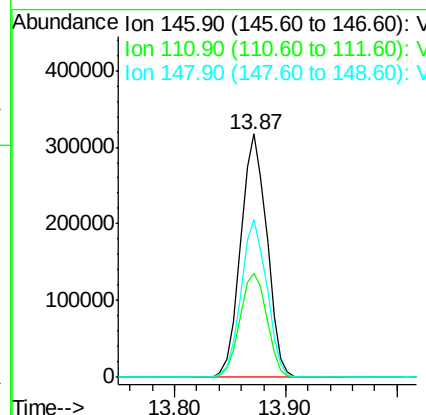
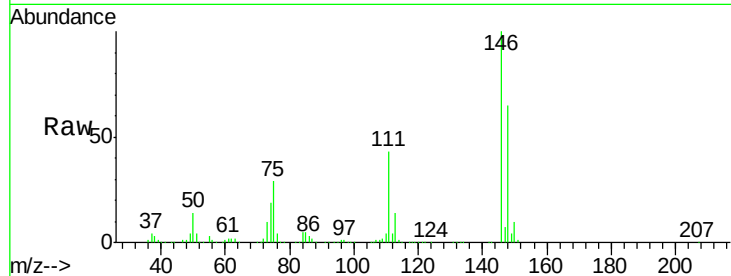
#91
 1,2-Dichlorobenzene
 Concen: 147.974 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.3	66.8
148	63.9	32.0	96.0

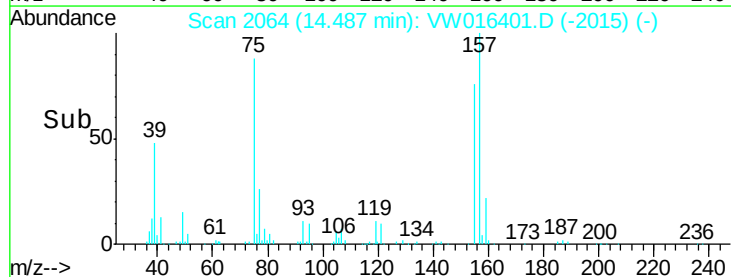
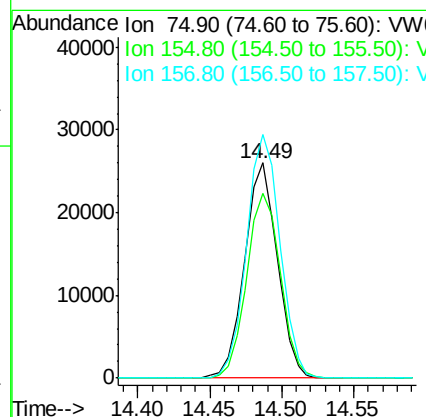
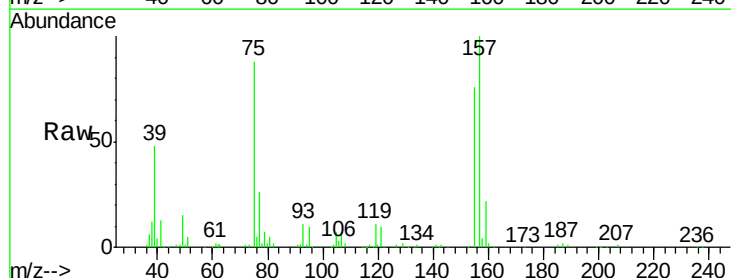
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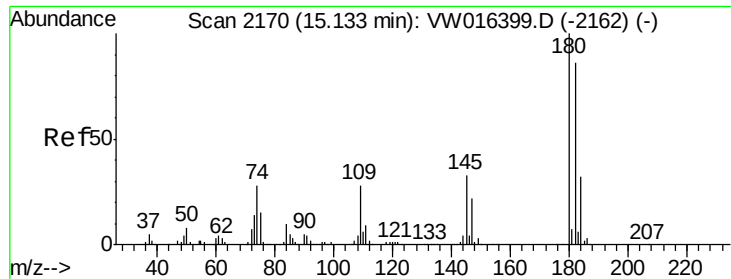
MMDadoda
 8/31/2020 11:59:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 174.397 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016401.D
 Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	41.4	124.4
157	115.5	52.1	156.4





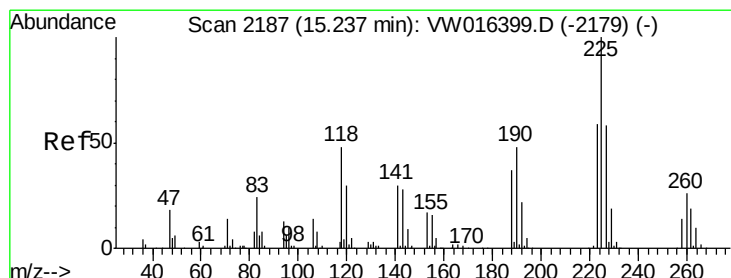
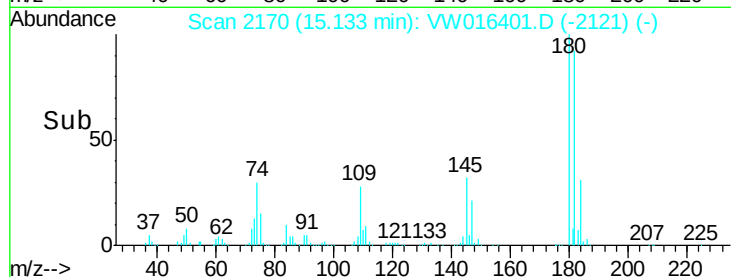
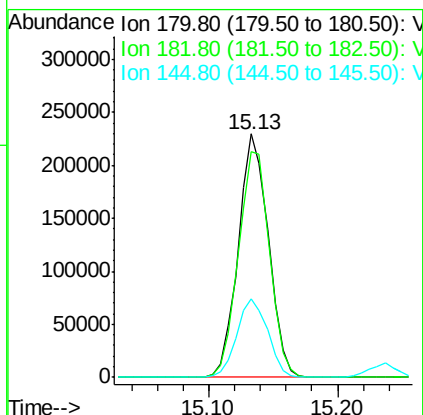
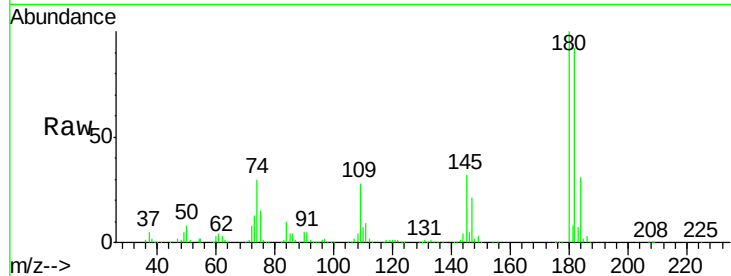
#93
1,2,4-Trichlorobenzene
Concen: 176.009 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	370781		
182	95.6	44.9	134.7	
145	33.2	17.1	51.2	

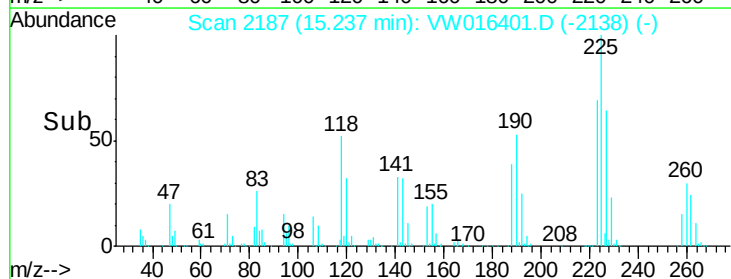
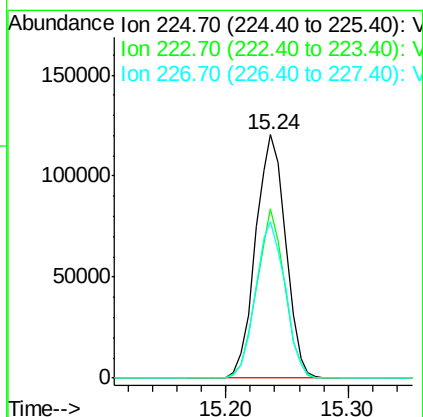
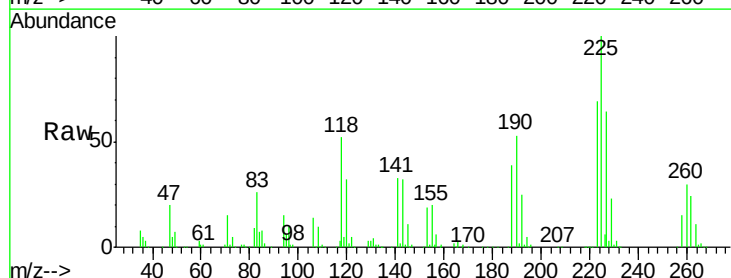
Manual Integrations
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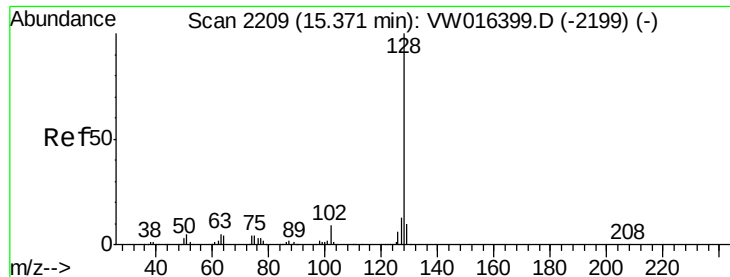
MMDadoda
8/31/2020 11:59:33 AM



#94
Hexachlorobutadiene
Concen: 162.038 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	206598		
223	64.6	30.5	91.5	
227	63.5	30.7	92.1	





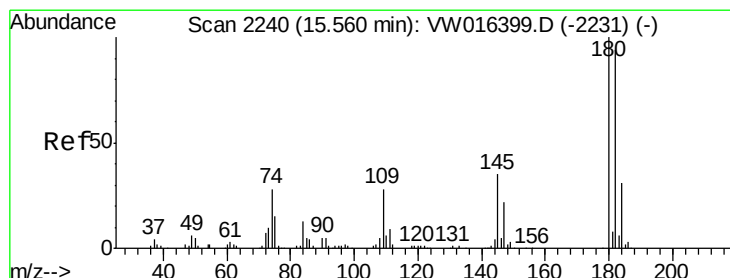
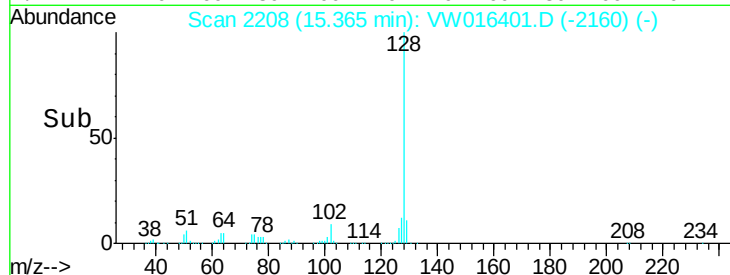
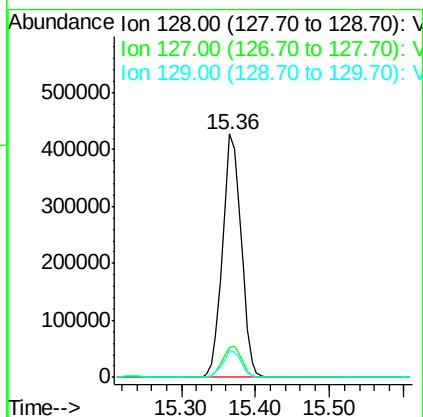
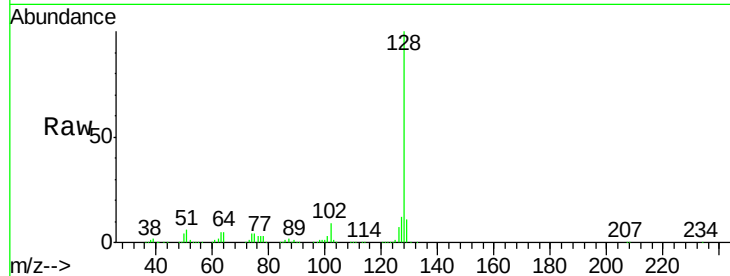
#95
Naphthalene
Concen: 193.562 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 179.153 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016401.D
Acq: 28 Aug 2020 14:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.5	139.5
145	36.7	18.1	54.3

