

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082820\
 Data File : VW016398.D
 Acq On : 28 Aug 2020 13:20
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:59:28 AM

Quant Time: Aug 28 14:34:58 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	189921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	294346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	35726	19.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.74%	
35) Dibromofluoromethane	7.88	113	35436	19.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.24%	
50) Toluene-d8	10.33	98	134591	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	
62) 4-Bromofluorobenzene	12.62	95	49836	19.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	21504	16.799	ug/l 98
3) Chloromethane	2.21	50	20962	15.796	ug/l 98
4) Vinyl Chloride	2.36	62	30402	16.314	ug/l 98
5) Bromomethane	2.78	94	21005	17.815	ug/l 95
6) Chloroethane	2.92	64	17698	16.713	ug/l 97
7) Trichlorofluoromethane	3.25	101	34586	21.531	ug/l 92
8) Diethyl Ether	3.68	74	17757	18.330	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	35511	17.603	ug/l 99
10) Methyl Iodide	4.27	142	52625	17.890	ug/l 99
11) Tert butyl alcohol	5.18	59	12287	121.505	ug/l 97
12) 1,1-Dichloroethene	4.04	96	35585	17.347	ug/l 98
13) Acrolein	3.89	56	8958	67.296	ug/l 97
14) Allyl chloride	4.67	41	43171	15.890	ug/l 98
15) Acrylonitrile	5.37	53	31507	87.090	ug/l 99
16) Acetone	4.13	43	29028	85.585	ug/l 96
17) Carbon Disulfide	4.39	76	101455	16.955	ug/l 98
18) Methyl Acetate	4.67	43	14154	17.459	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	52896	20.482	ug/l 97
20) Methylene Chloride	4.91	84	48101	18.336	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	39801	17.797	ug/l 93
22) Diisopropyl ether	6.31	45	88600	17.271	ug/l 98
23) Vinyl Acetate	6.26	43	263472	89.390	ug/l 99
24) 1,1-Dichloroethane	6.22	63	63089	17.468	ug/l 99
25) 2-Butanone	7.17	43	40368	87.589	ug/l 97
26) 2,2-Dichloropropane	7.17	77	48890	20.466	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	43781	18.839	ug/l 98
28) Bromochloromethane	7.52	49	22430	16.588	ug/l 98
29) Tetrahydrofuran	7.54	42	25200	90.944	ug/l 96
30) Chloroform	7.68	83	70473	18.496	ug/l 94
31) Cyclohexane	7.96	56	57244	17.273	ug/l 88
32) 1,1,1-Trichloroethane	7.87	97	64277	19.933	ug/l 99
36) 1,1-Dichloropropene	8.09	75	55787	19.236	ug/l 99
37) Ethyl Acetate	7.26	43	19349	19.697	ug/l 98
38) Carbon Tetrachloride	8.07	117	61023	20.730	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	66852	19.183	ug/l	99
40) Benzene	8.32	78	150930	18.615	ug/l	99
41) Methacrylonitrile	7.48	41	10142	18.154	ug/l	99
42) 1,2-Dichloroethane	8.40	62	44624	20.439	ug/l	100
43) Isopropyl Acetate	8.43	43	36432	19.557	ug/l	99
44) Trichloroethene	9.09	130	43981	18.938	ug/l	96
45) 1,2-Dichloropropane	9.37	63	34338	18.077	ug/l	99
46) Dibromomethane	9.46	93	20116	19.829	ug/l	98
47) Bromodichloromethane	9.65	83	52346	19.870	ug/l	97
48) Methyl methacrylate	9.44	41	15931	18.446	ug/l	97
49) 1,4-Dioxane	9.46	88	4932	387.996	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	88798	94.907	ug/l	97
52) Toluene	10.39	92	98860	18.995	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	49811	20.357	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	58536	19.475	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	28400	19.478	ug/l	98
56) Ethyl methacrylate	10.65	69	32814	19.897	ug/l	97
57) 1,3-Dichloropropane	10.93	76	47896	19.426	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	71930	95.623	ug/l	99
59) 2-Hexanone	10.97	43	59927	93.975	ug/l	100
60) Dibromochloromethane	11.13	129	35953	20.479	ug/l	98
61) 1,2-Dibromoethane	11.24	107	27429	19.532	ug/l	96
64) Tetrachloroethene	10.86	164	34587	19.166	ug/l	95
65) Chlorobenzene	11.66	112	109710	19.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	40406	20.524	ug/l	99
67) Ethyl Benzene	11.73	91	194318	19.438	ug/l	97
68) m/p-Xylenes	11.84	106	151361	39.416	ug/l	96
69) o-Xylene	12.17	106	68765	20.094	ug/l	97
70) Styrene	12.18	104	118263	19.959	ug/l	98
71) Bromoform	12.35	173	20198	22.538	ug/l #	99
73) Isopropylbenzene	12.47	105	194695	19.016	ug/l	99
74) N-amyl acetate	12.27	43	31990	17.689	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	30460	17.958	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	21983m	17.915	ug/l	
77) Bromobenzene	12.75	156	44140	19.307	ug/l	98
78) n-propylbenzene	12.80	91	228986	18.808	ug/l	98
79) 2-Chlorotoluene	12.89	91	135048	19.154	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	174038	19.714	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	10340	20.174	ug/l	94
82) 4-Chlorotoluene	12.99	91	141562	19.329	ug/l	99
83) tert-Butylbenzene	13.21	119	142096	19.680	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	173338	19.946	ug/l	100
85) sec-Butylbenzene	13.38	105	202279	19.390	ug/l	100
86) p-Isopropyltoluene	13.50	119	185311	19.496	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	87988	19.559	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	89835	20.059	ug/l	98
89) n-Butylbenzene	13.82	91	171592	19.610	ug/l	99
90) Hexachloroethane	14.09	117	34934	19.676	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	77121	19.442	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5505	20.601	ug/l	97

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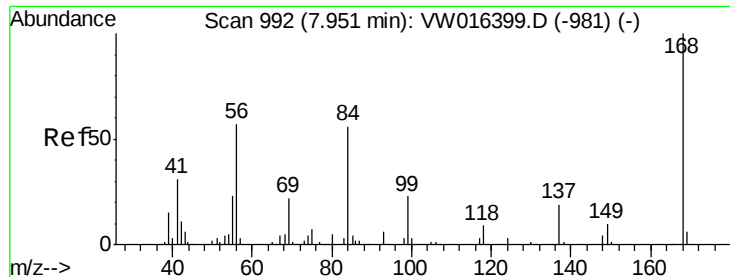
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	51768	21.595	ug/l	96
94) Hexachlorobutadiene	15.24	225	30278	20.868	ug/l	96
95) Naphthalene	15.36	128	88984	20.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	44807	21.799	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 189921

Ion Ratio Lower Upper

168 100

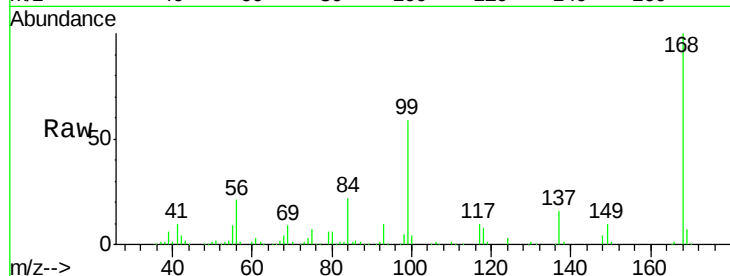
99 59.0 49.0 73.4

Manual Integrations

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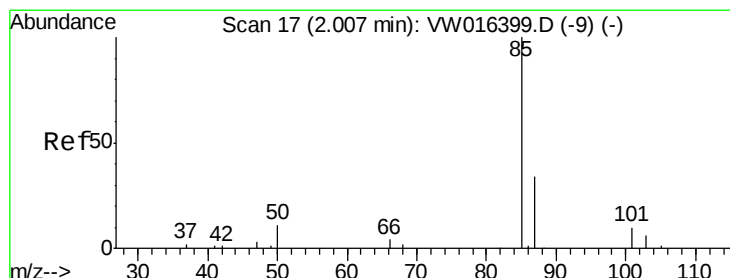
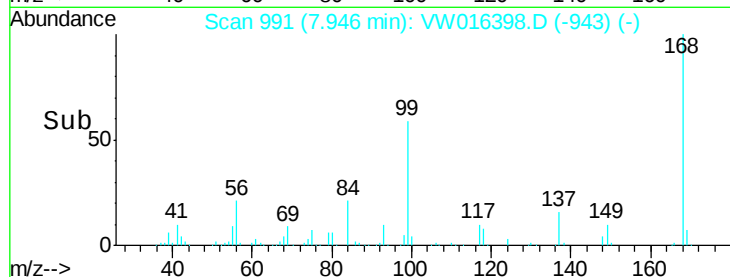
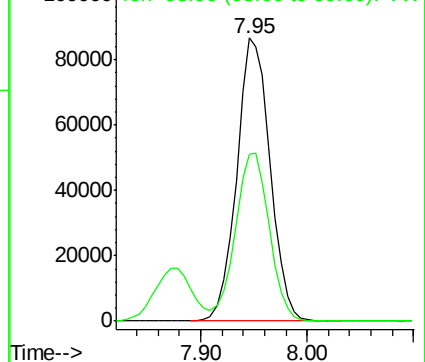
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.799 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016398.D

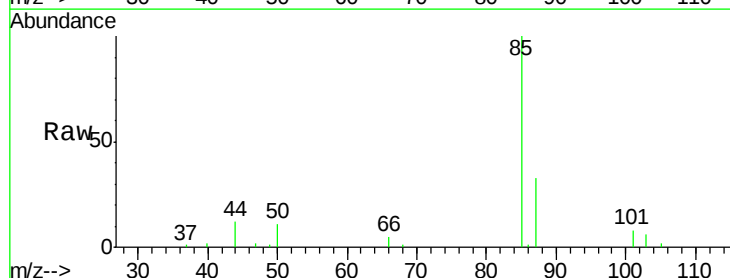
Acq: 28 Aug 2020 13:20

Tgt Ion: 85 Resp: 21504

Ion Ratio Lower Upper

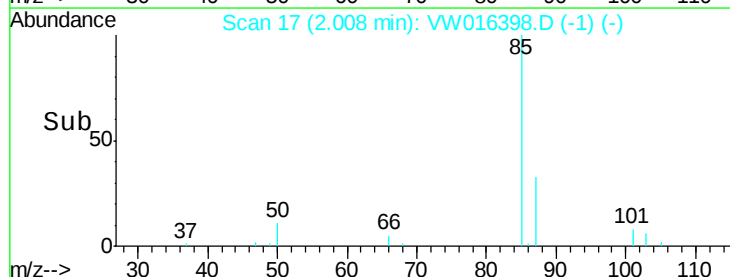
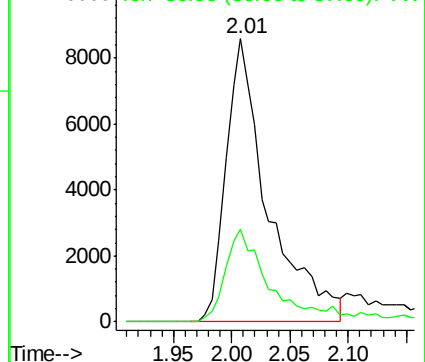
85 100

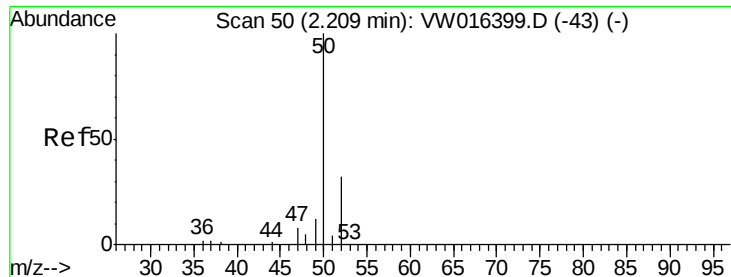
87 32.8 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 15.796 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 20962

Ion Ratio Lower Upper

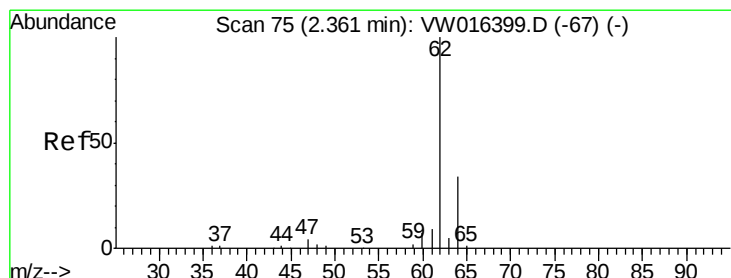
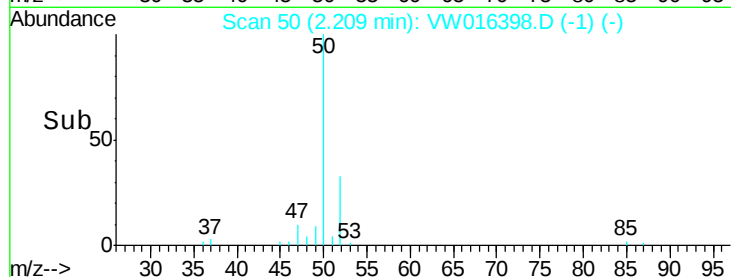
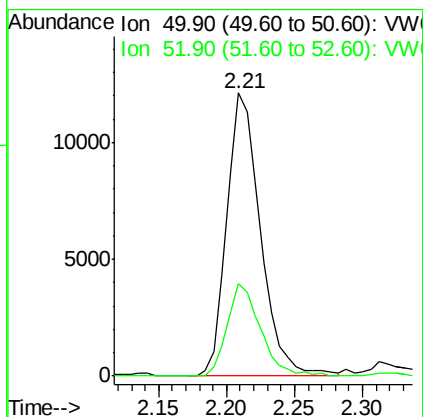
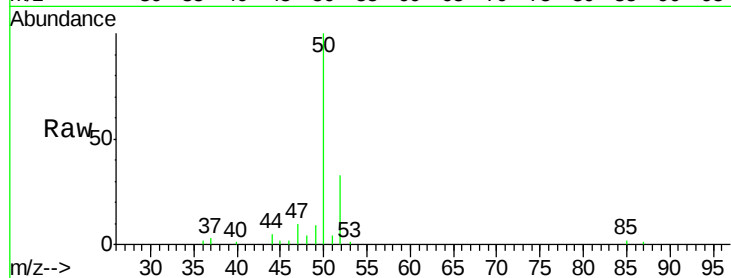
50 100

52 32.8 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.314 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW016398.D

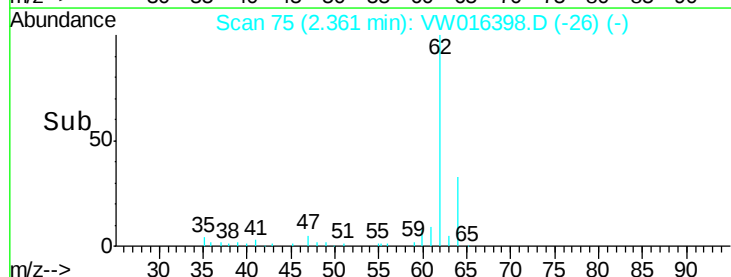
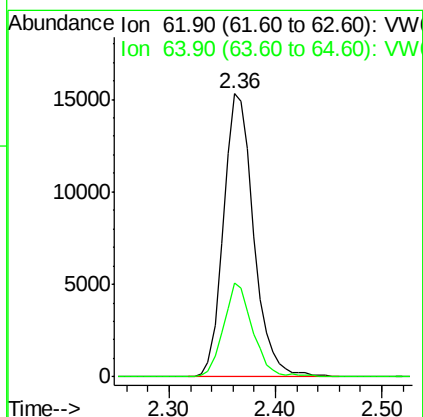
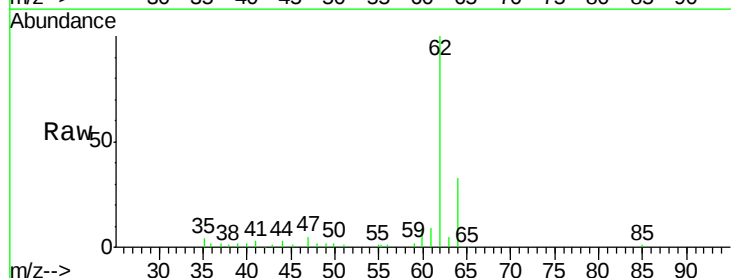
Acq: 28 Aug 2020 13:20

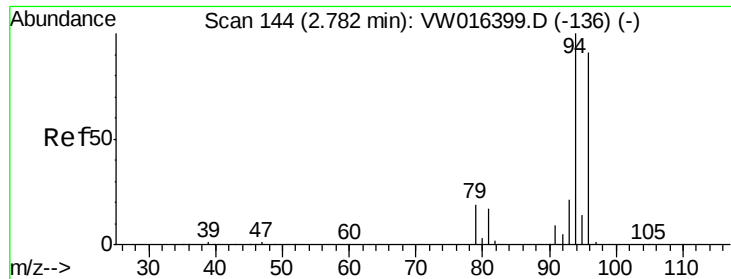
Tgt Ion: 62 Resp: 30402

Ion Ratio Lower Upper

62 100

64 33.1 27.2 40.8





#5

Bromomethane

Concen: 17.815 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Tot Ion: 94 Resp: 21005

Ion Ratio Lower Upper

94 100

96 96.0 72.6 109.0

Instrument :

MSVOA_W

ClientSampleId :

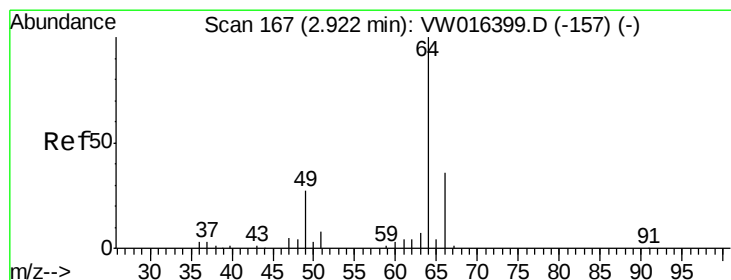
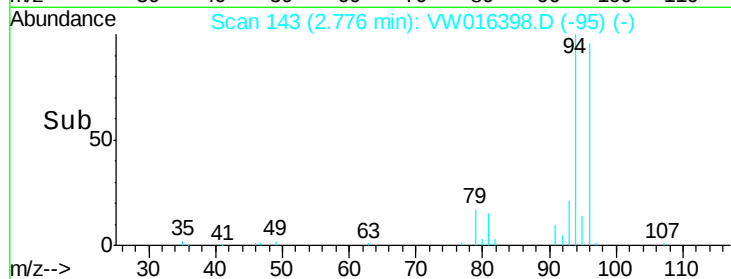
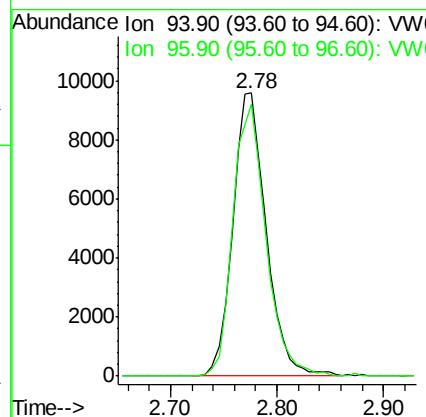
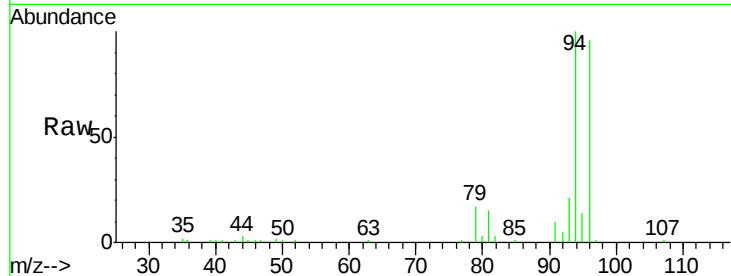
VSTDIC020

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#6

Chloroethane

Concen: 16.713 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW016398.D

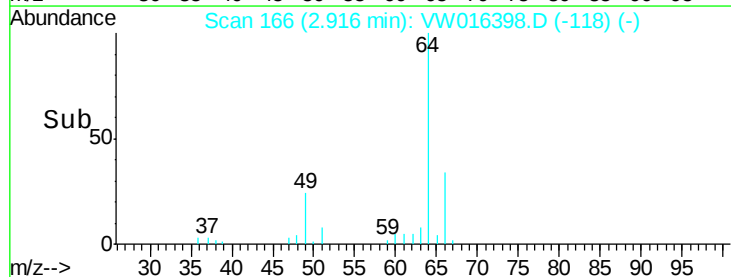
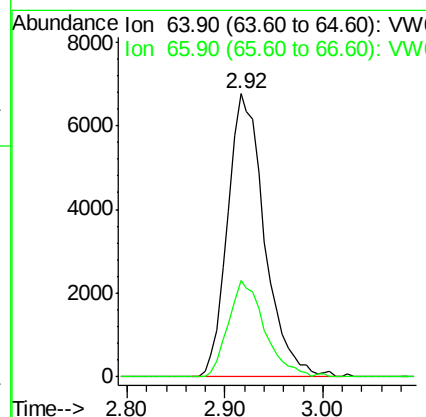
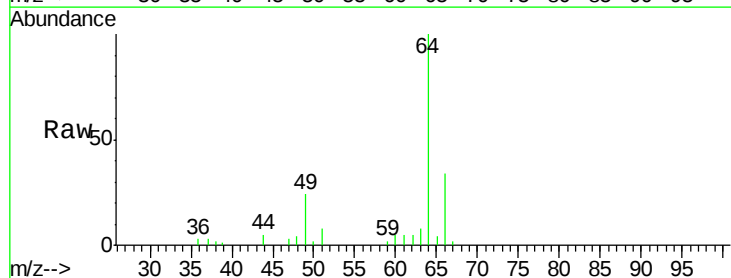
Acq: 28 Aug 2020 13:20

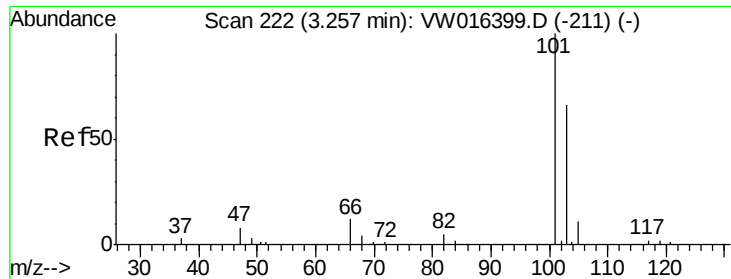
Tgt Ion: 64 Resp: 17698

Ion Ratio Lower Upper

64 100

66 34.1 28.7 43.1





#7

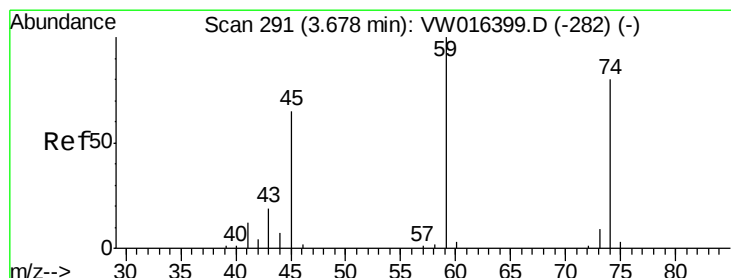
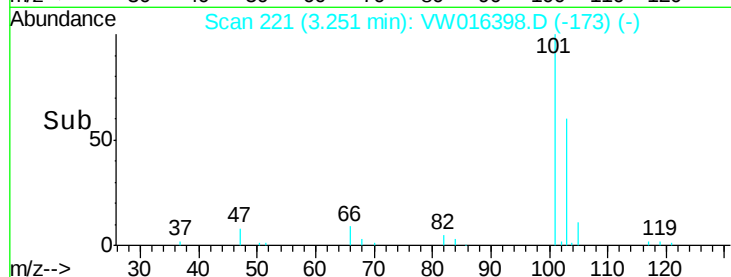
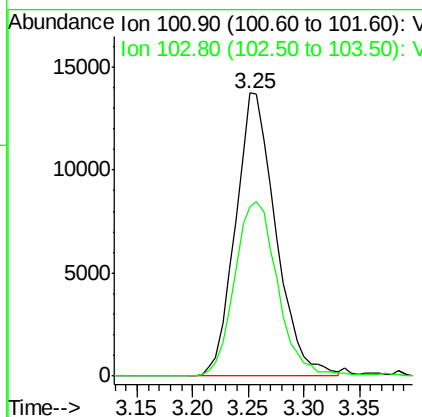
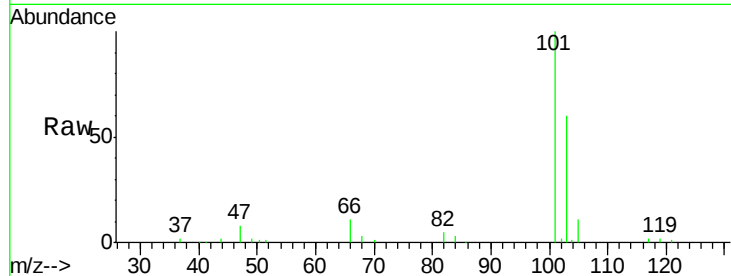
Trichlorofluoromethane
 Concen: 21.531 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.0	53.0	79.4

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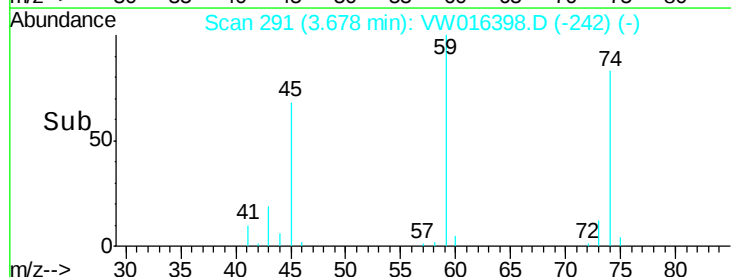
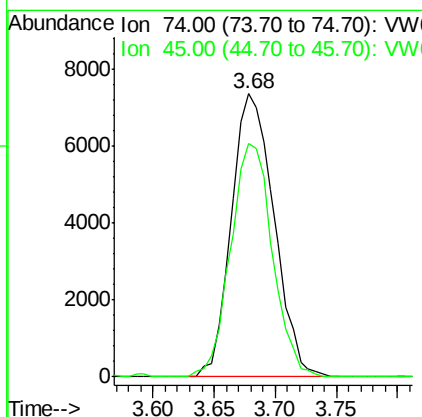
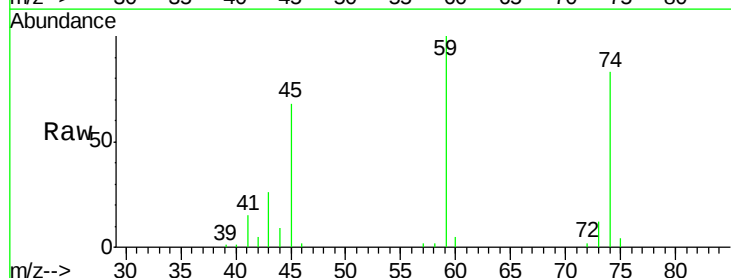
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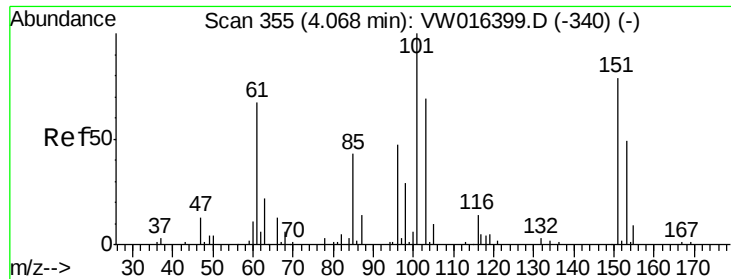


#8

Diethyl Ether
 Concen: 18.330 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.0	42.0	126.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.603 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

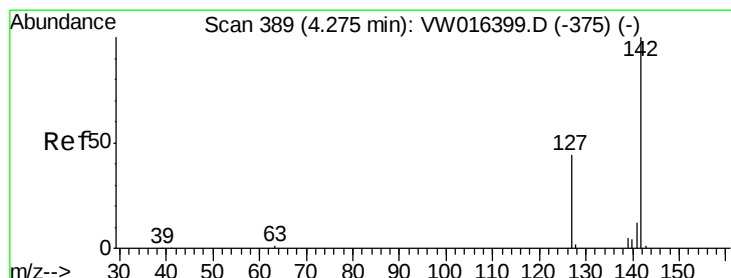
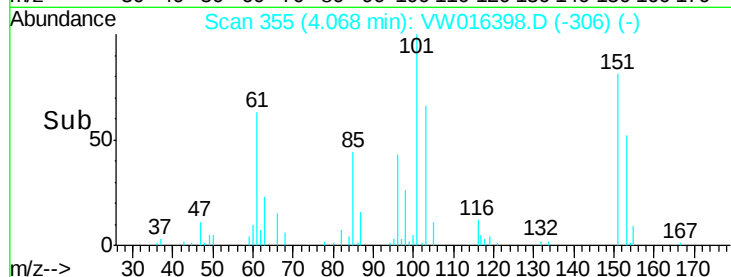
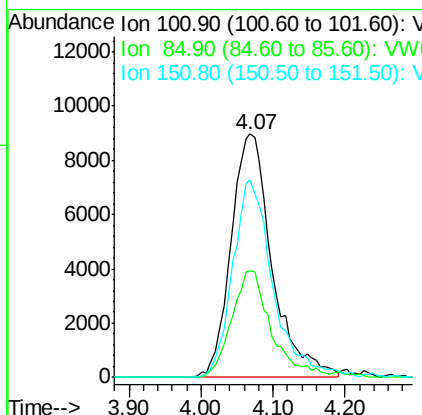
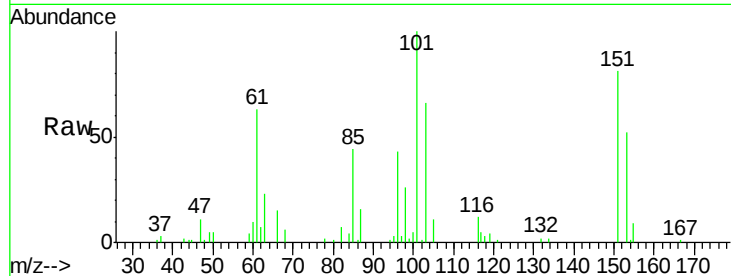
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	35511
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	79.5	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.890 ug/l

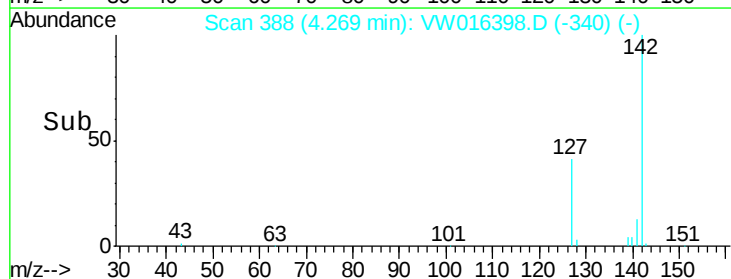
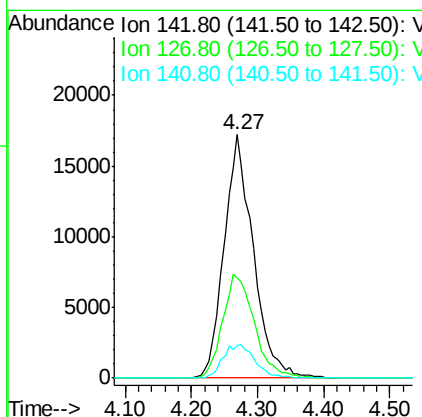
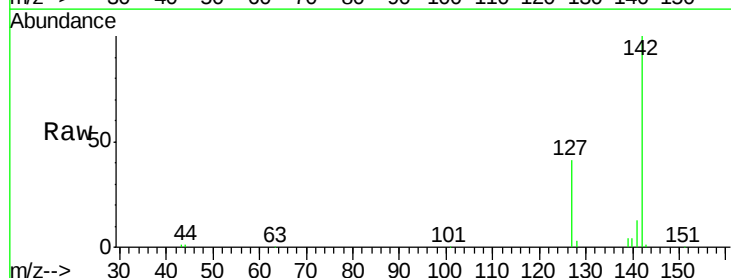
RT: 4.27 min Scan# 388

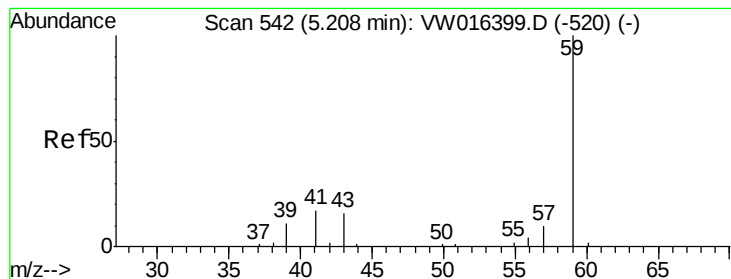
Delta R.T. -0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Tgt Ion:	142	Resp:	52625
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.2	54.4
141	15.2	11.8	17.6





#11

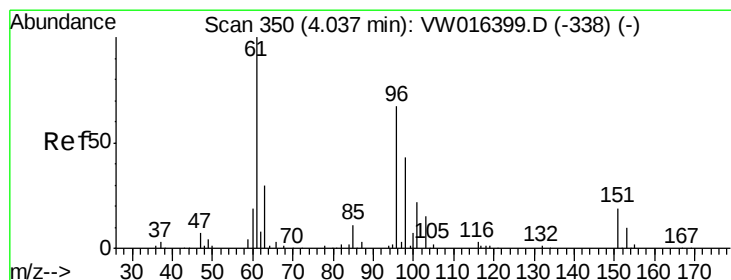
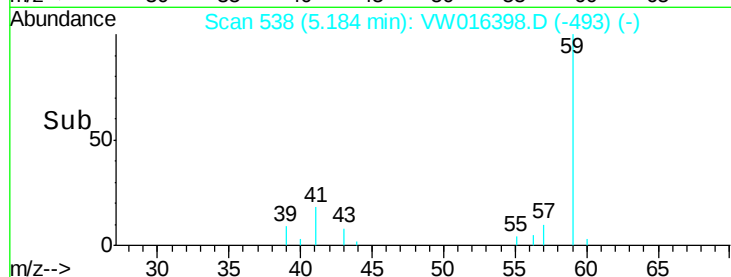
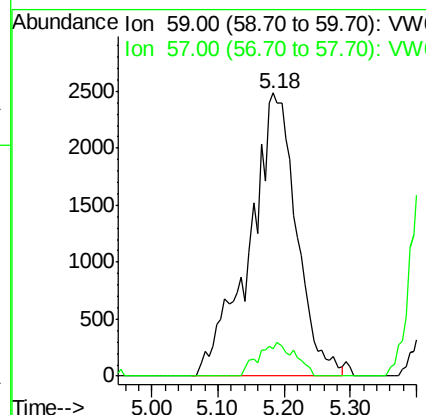
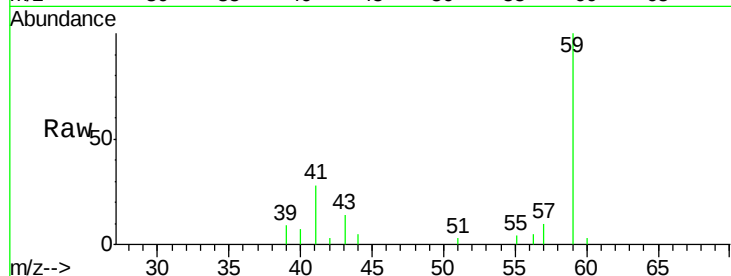
Tert butyl alcohol
 Concen: 121.505 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.2	12.4

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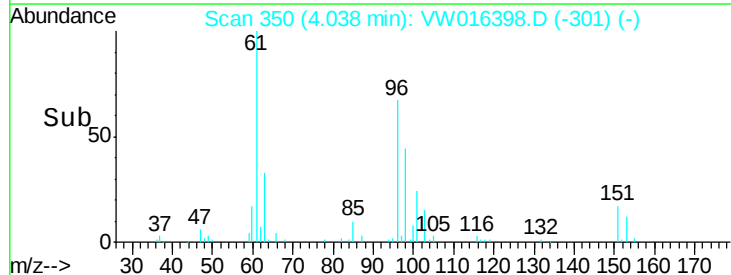
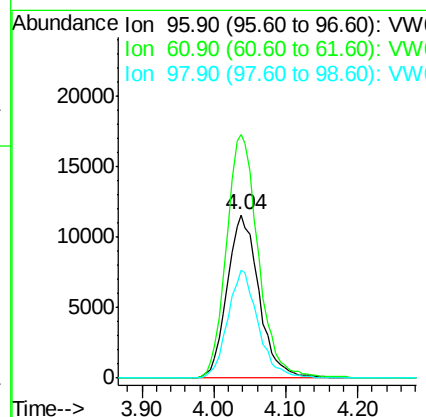
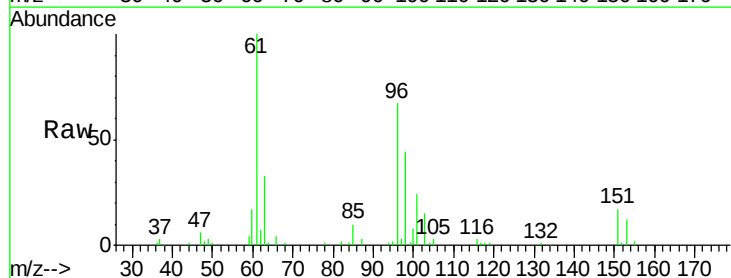
MMDadoda
 8/31/2020 11:59:28 AM

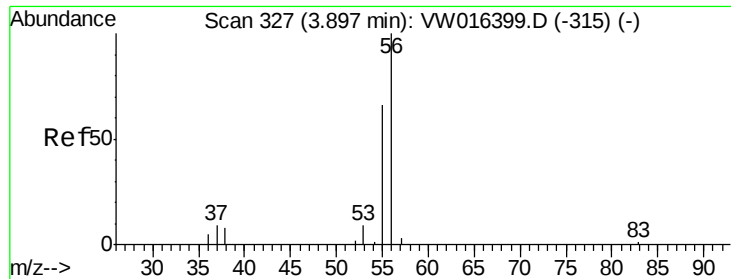


#12

1,1-Dichloroethene
 Concen: 17.347 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.4	119.0	178.4
98	66.5	50.6	76.0





#13

Acrolein

Concen: 67.296 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 8958

Ion Ratio Lower Upper

56 100

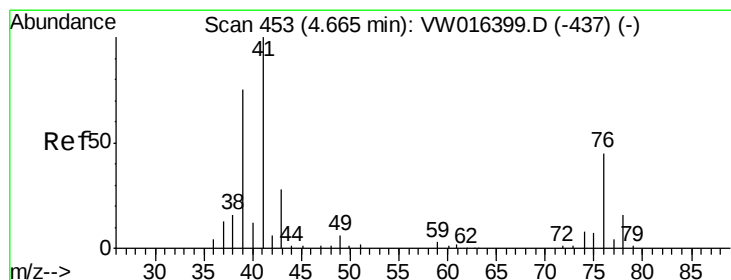
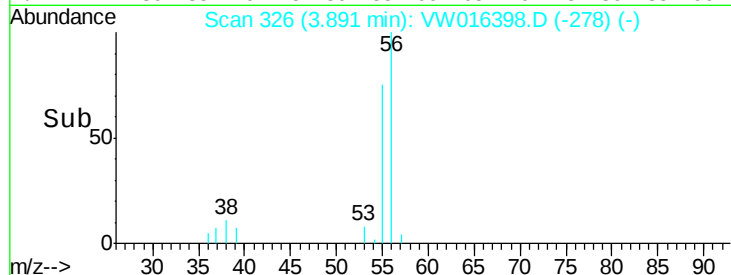
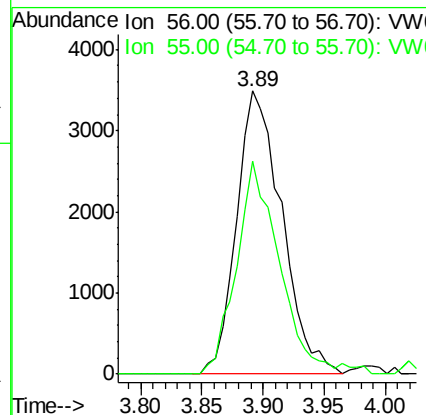
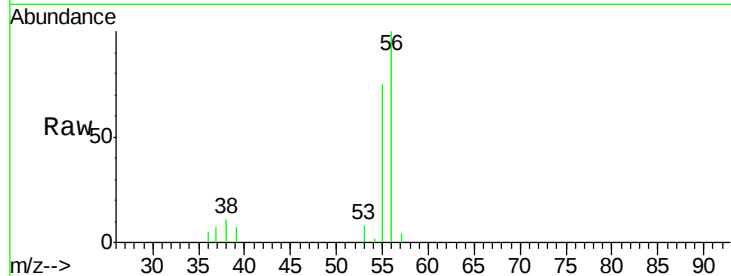
55 70.7 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 15.890 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

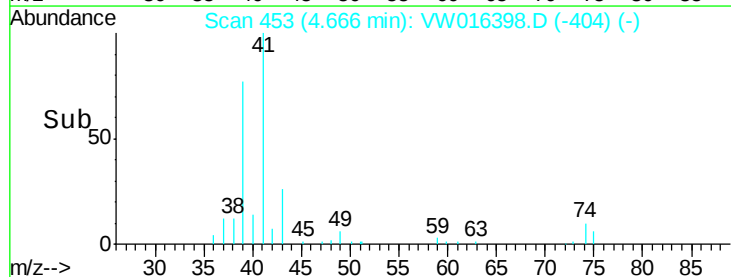
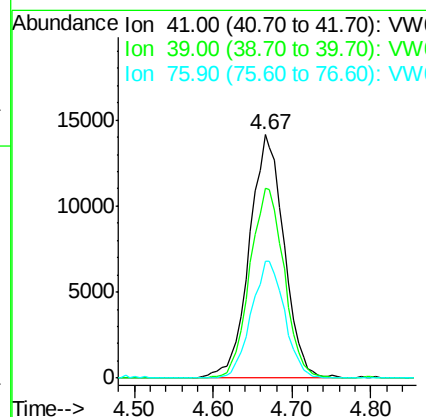
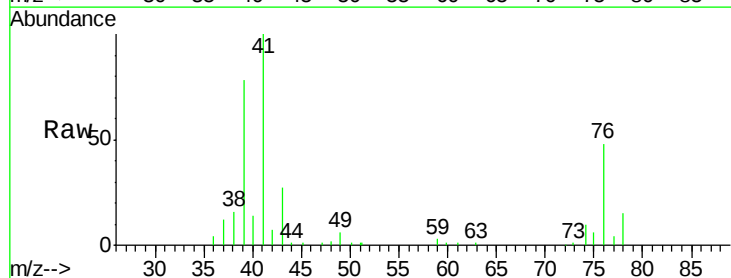
Tgt Ion: 41 Resp: 43171

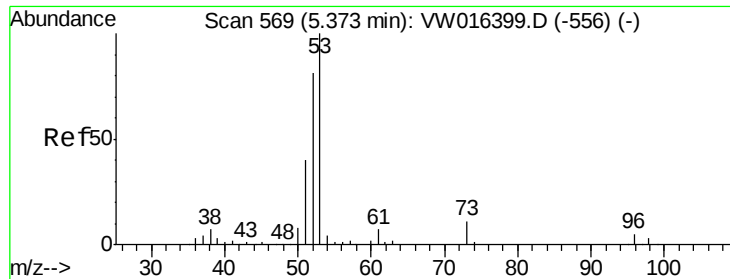
Ion Ratio Lower Upper

41 100

39 77.2 60.2 90.2

76 46.0 35.7 53.5





#15

Acrylonitrile

Concen: 87.090 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

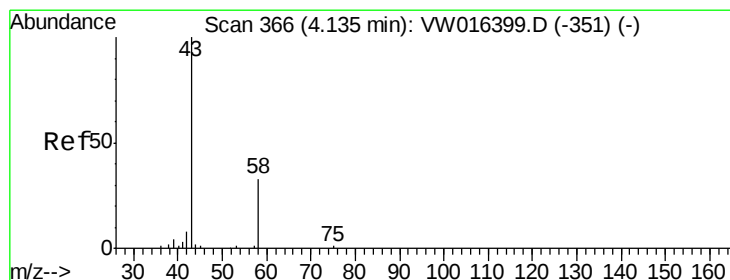
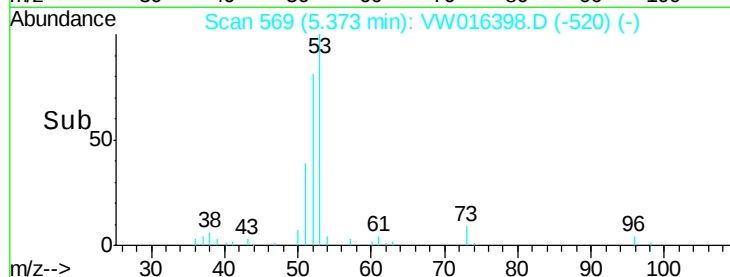
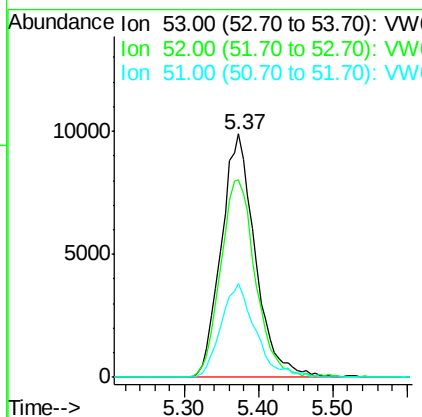
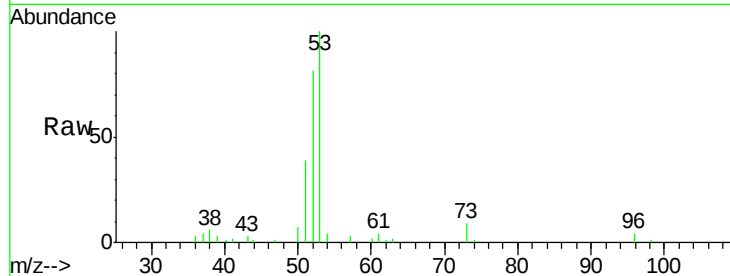
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	31507
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.1	99.1
51	39.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 85.585 ug/l

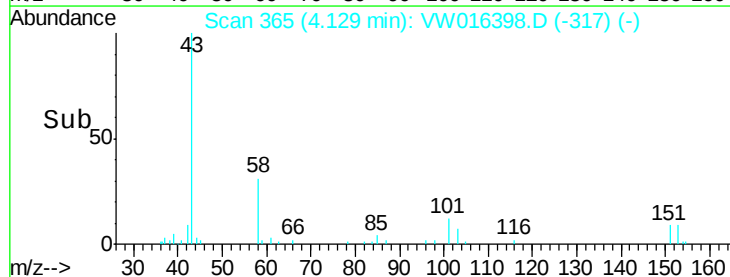
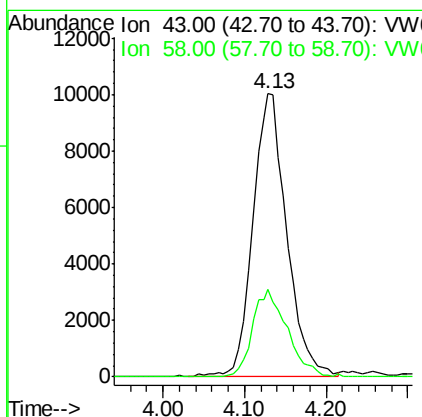
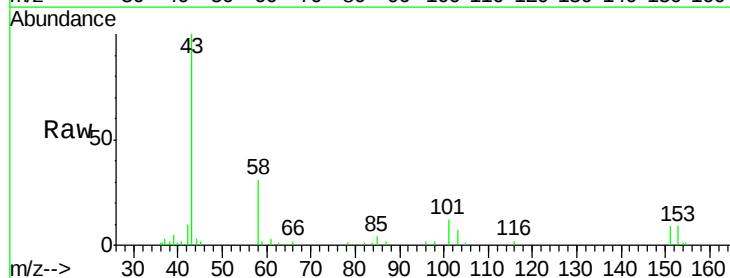
RT: 4.13 min Scan# 365

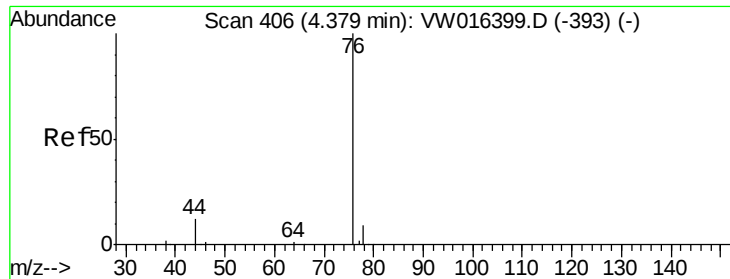
Delta R.T. -0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Tgt Ion:	43	Resp:	29028
Ion	Ratio	Lower	Upper
43	100		
58	31.0	26.6	39.8





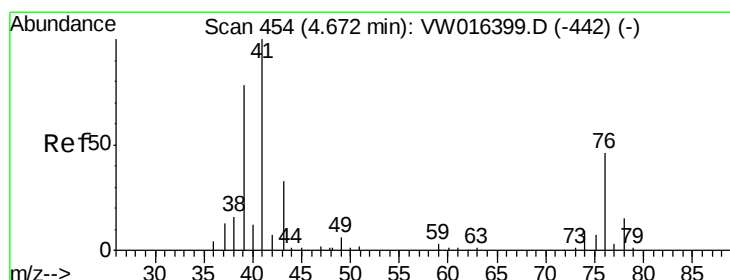
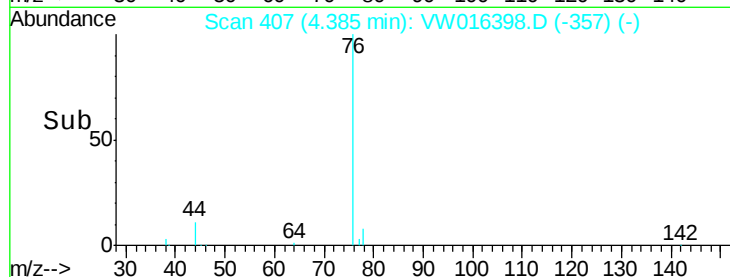
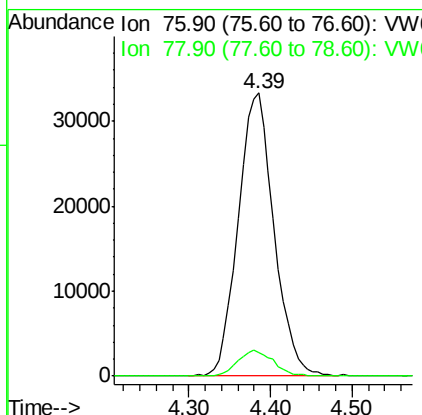
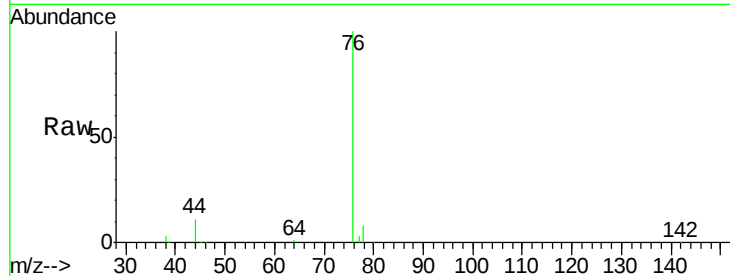
#17
Carbon Disulfide
Concen: 16.955 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

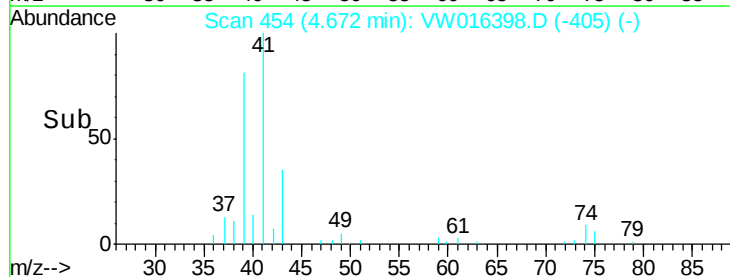
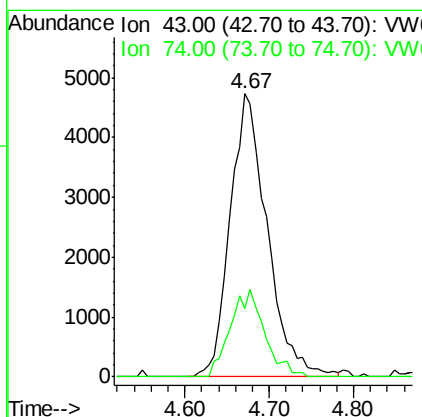
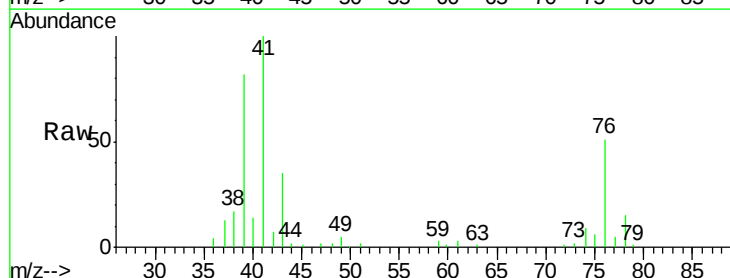
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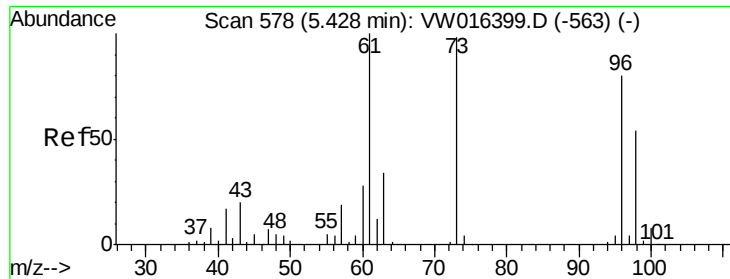
MMDadoda
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#18
Methyl Acetate
Concen: 17.459 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.5	23.2	34.8





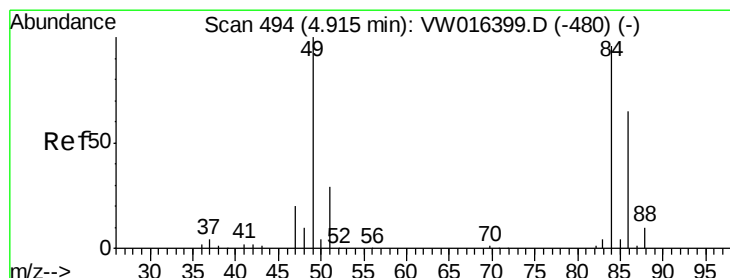
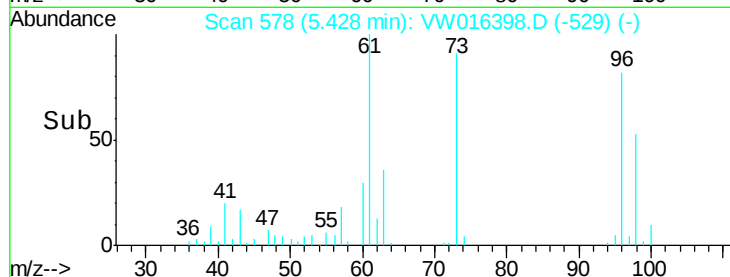
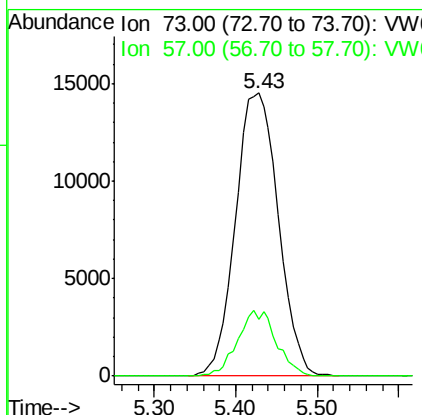
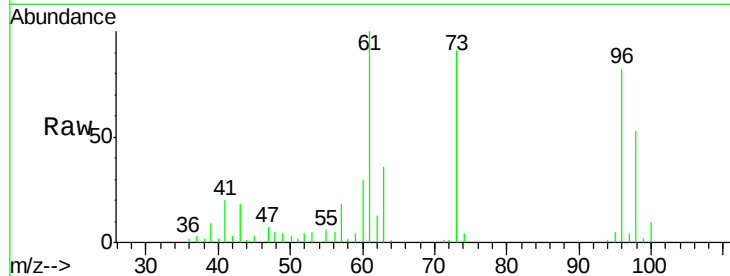
#19
Methvl tert-butvl Ether
Concen: 20.482 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 52896
Ion Ratio Lower Upper
73 100
57 20.1 15.0 22.6

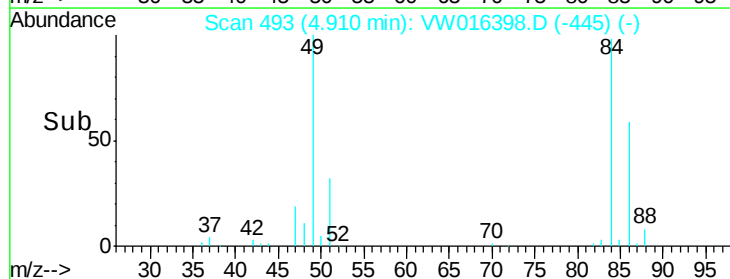
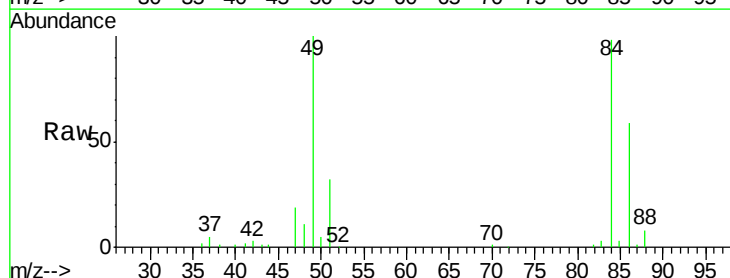
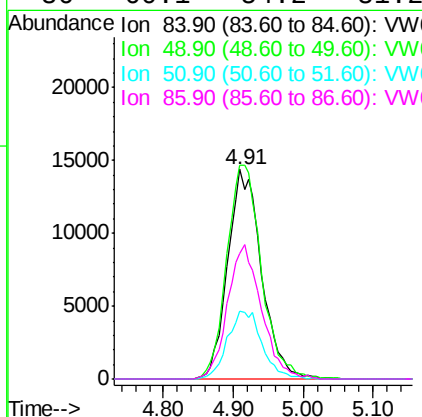
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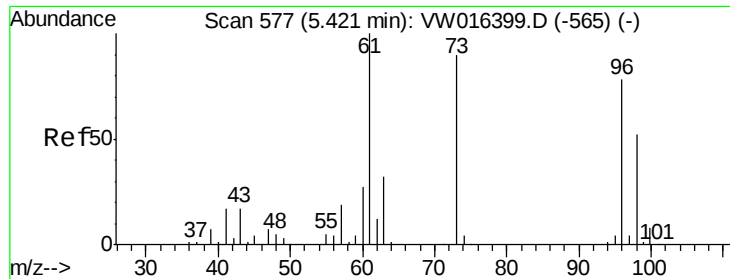
MMDadoda
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#20
Methylene Chloride
Concen: 18.336 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion: 84 Resp: 48101
Ion Ratio Lower Upper
84 100
49 101.8 83.2 124.8
51 32.4 24.4 36.6
86 60.1 54.2 81.2





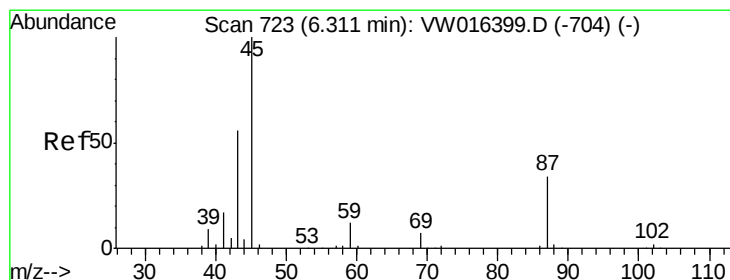
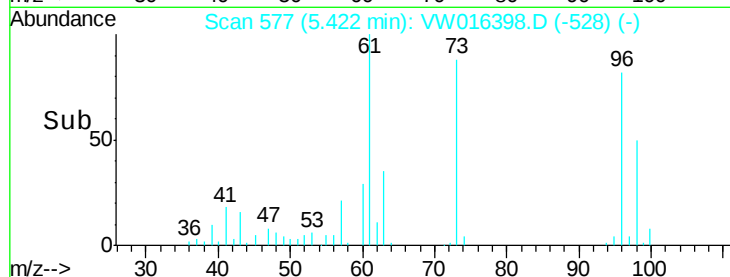
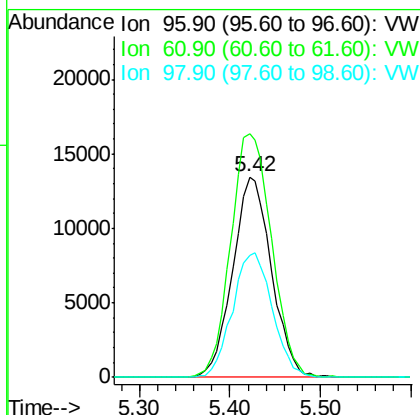
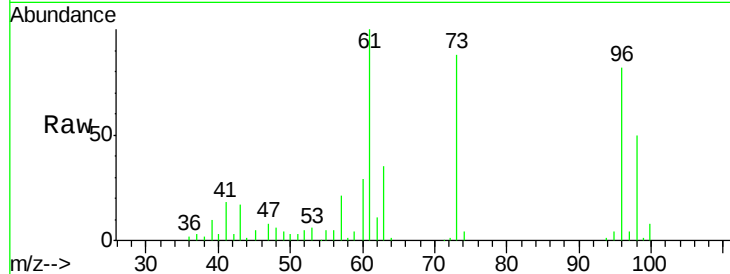
#21
trans-1,2-Dichloroethene
Concen: 17.797 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.7	103.0	154.6
98	60.9	53.8	80.6

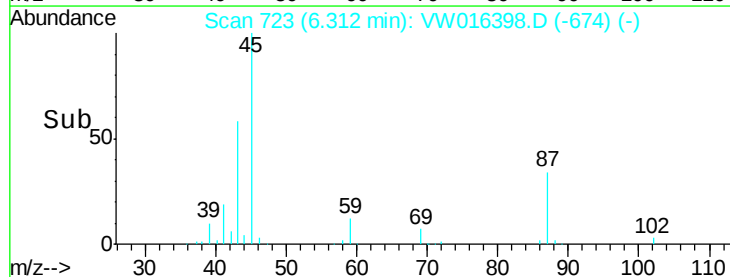
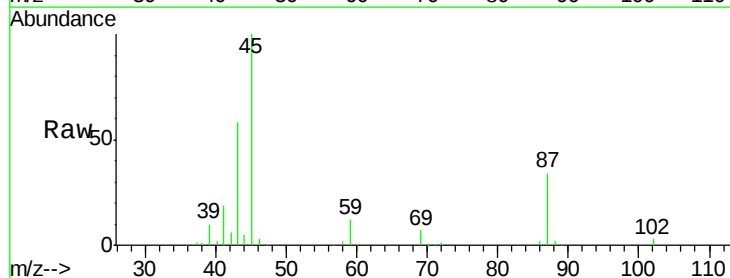
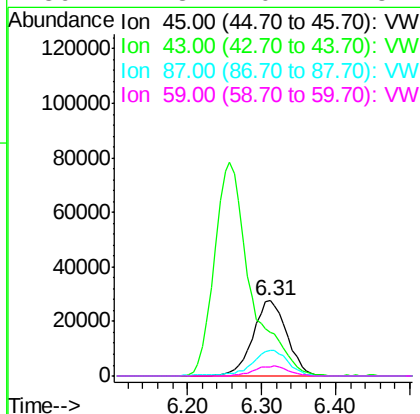
Manual Integrations
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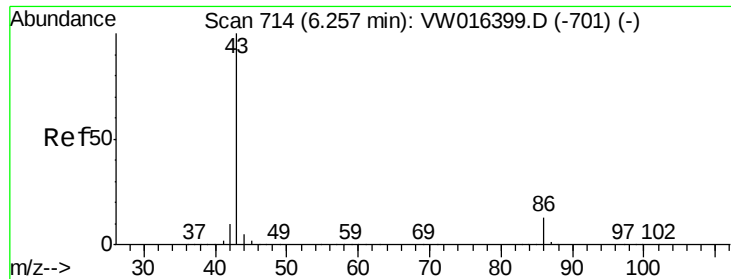
MMDadoda
8/31/2020 11:59:28 AM



#22
Diisopropyl ether
Concen: 17.271 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	44.6	67.0
87	34.0	27.5	41.3
59	12.3	10.2	15.2





#23

Vinyl Acetate

Concen: 89.390 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 263472

Ion Ratio Lower Upper

43 100

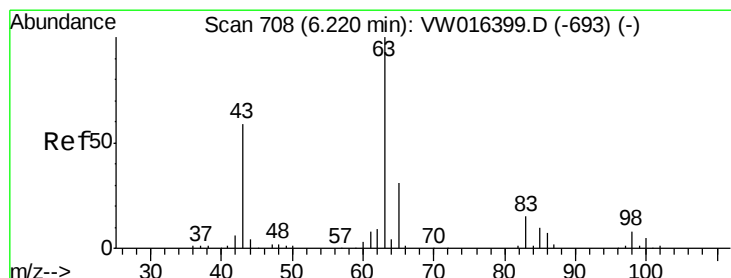
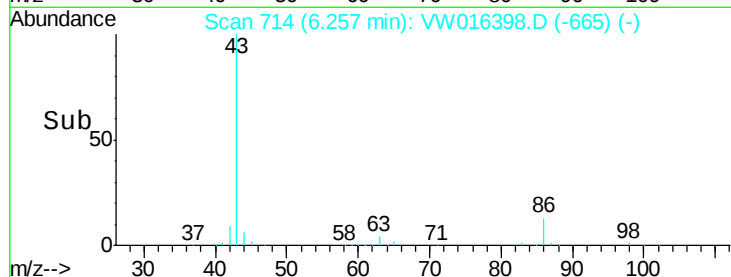
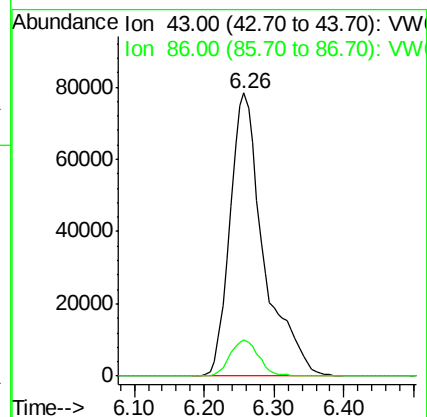
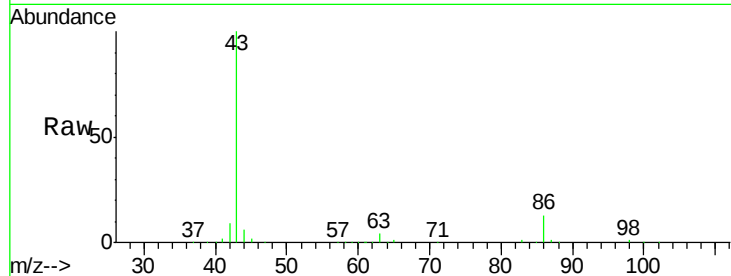
86 13.0 10.6 15.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.468 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

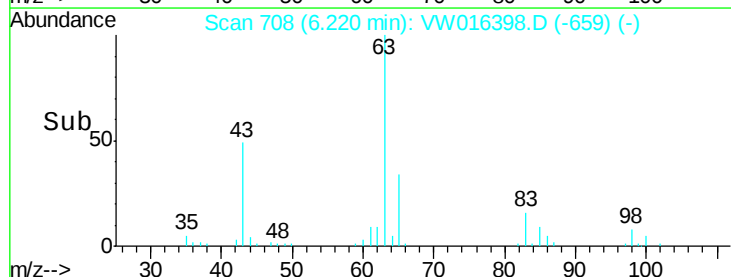
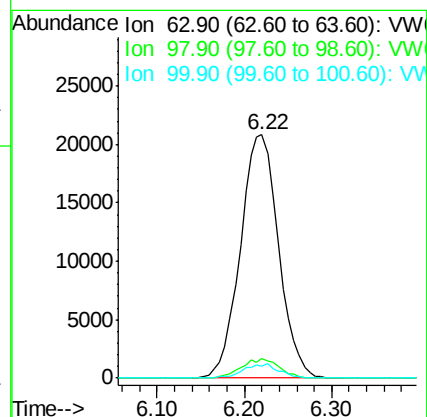
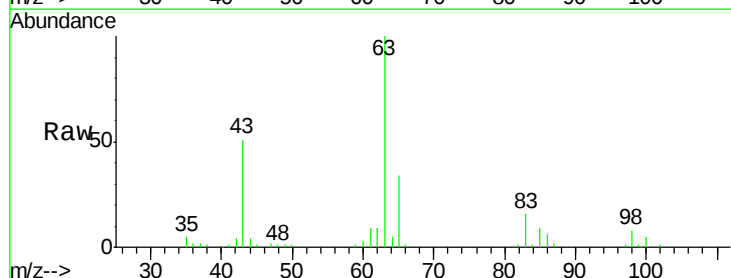
Tgt Ion: 63 Resp: 63089

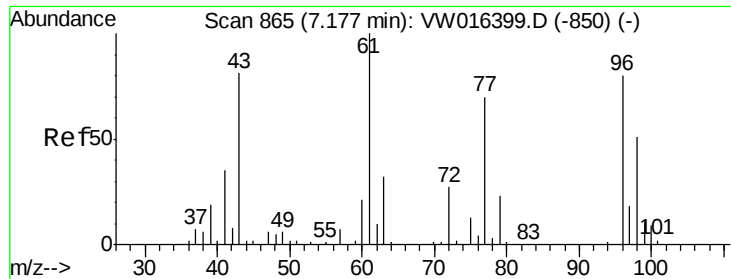
Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

100 5.1 2.5 7.5





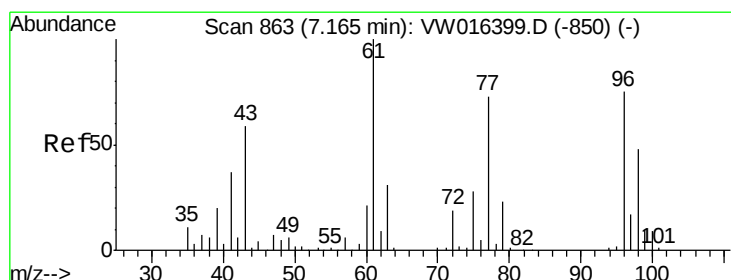
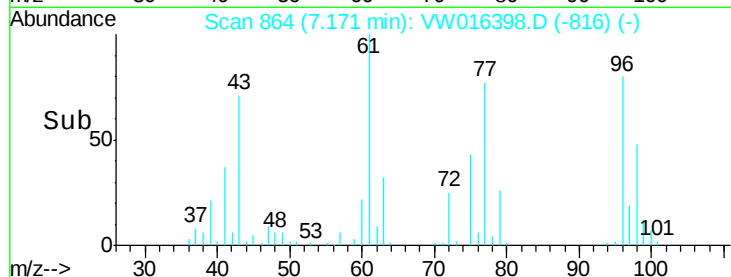
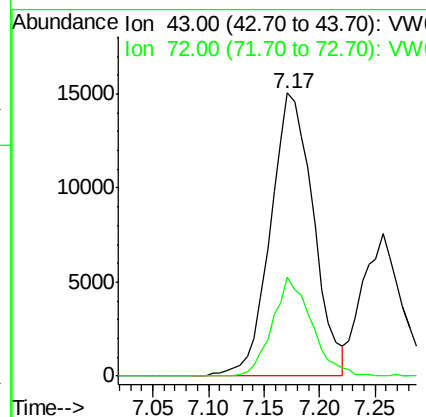
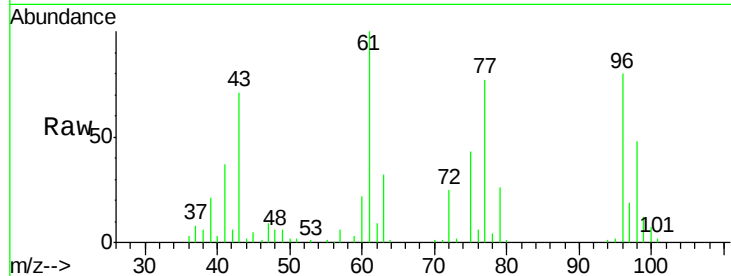
#25
 2-Butanone
 Concen: 87.589 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 40368
 Ion Ratio Lower Upper
 43 100
 72 35.1 26.7 40.1

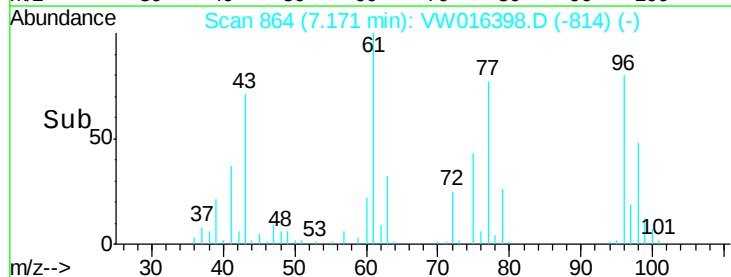
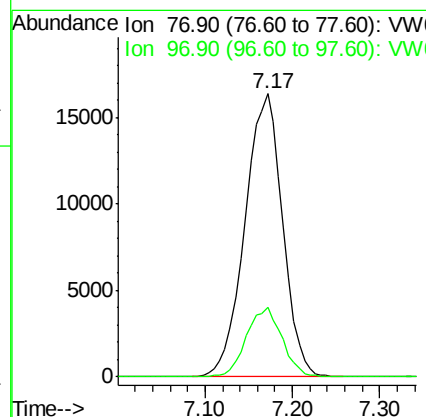
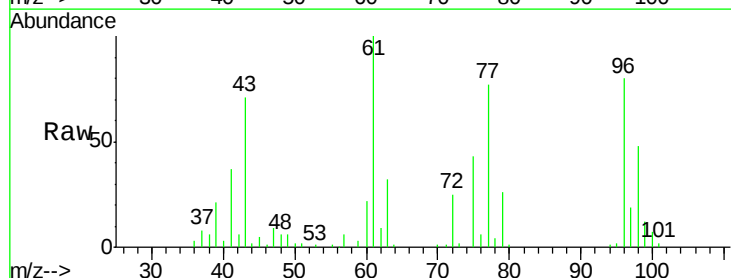
Manual Integrations
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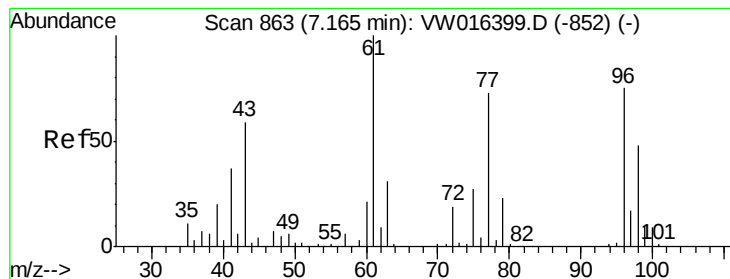
MMDadoda
 8/31/2020 11:59:28 AM



#26
 2,2-Dichloropropane
 Concen: 20.466 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion: 77 Resp: 48890
 Ion Ratio Lower Upper
 77 100
 97 23.0 11.7 35.0





#27

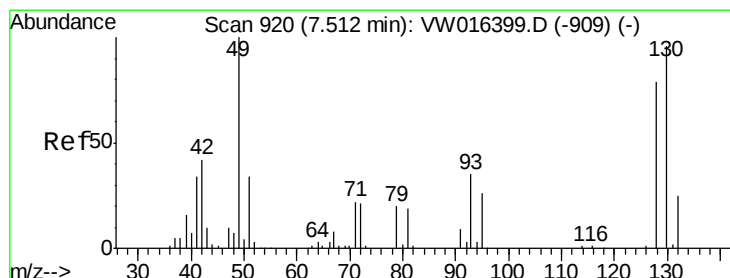
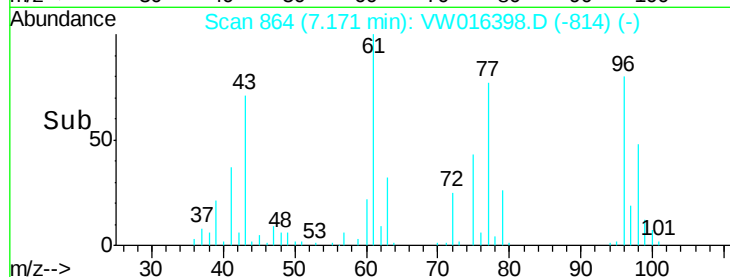
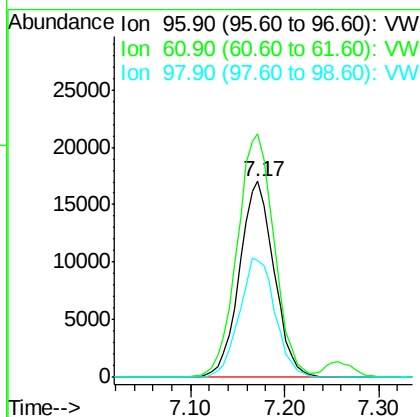
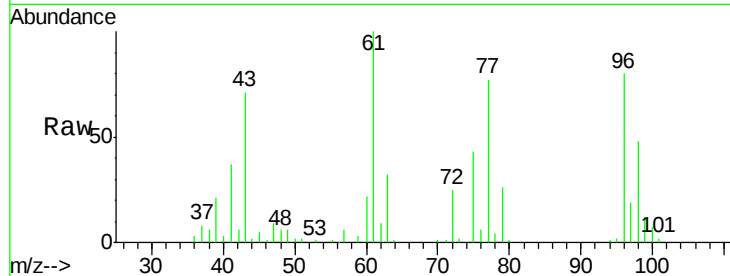
cis-1,2-Dichloroethene
Concen: 18.839 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	43781		
61	132.9	0.0	268.6	
98	62.8	0.0	130.0	

Manual Integrations
APPROVED

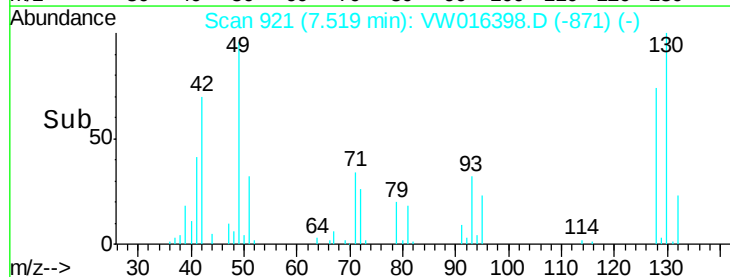
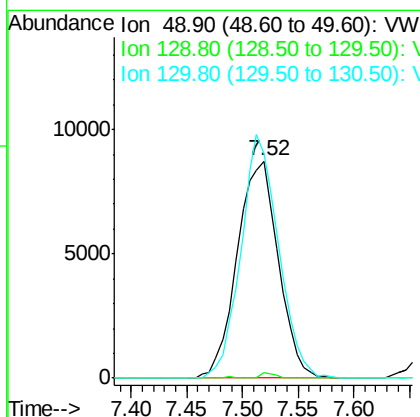
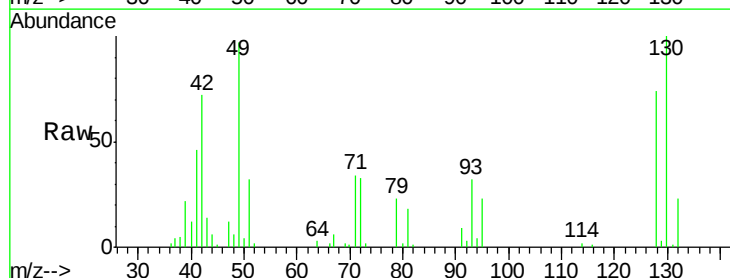
MMDadoda
8/31/2020 11:59:28 AM

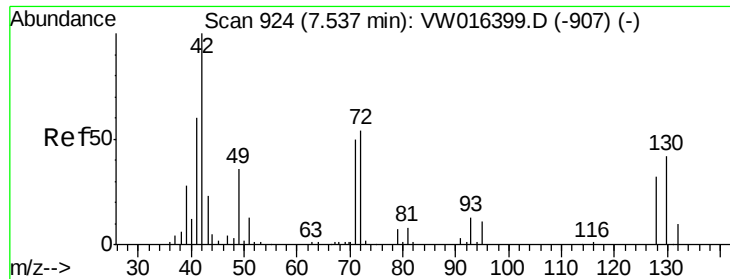


#28

Bromochloromethane
Concen: 16.588 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22430		
129	0.9	0.0	1.8	
130	102.7	80.8	121.2	





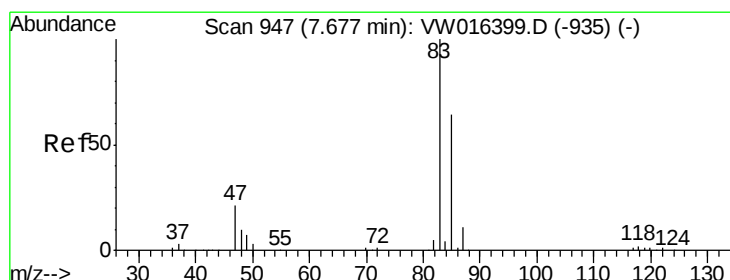
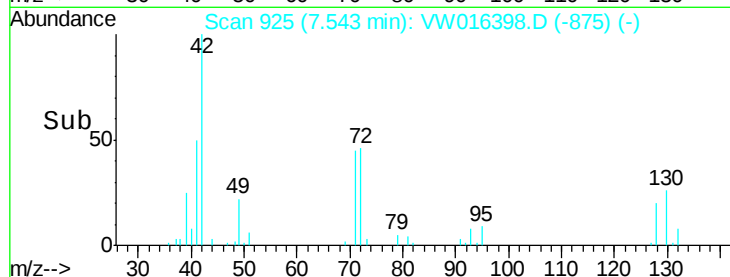
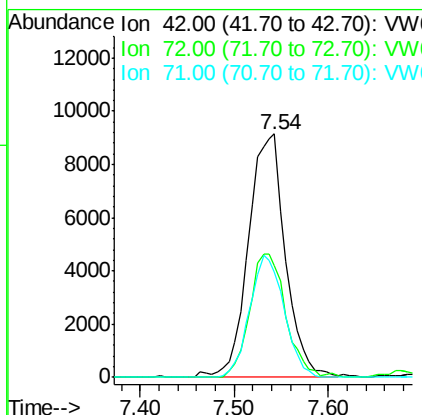
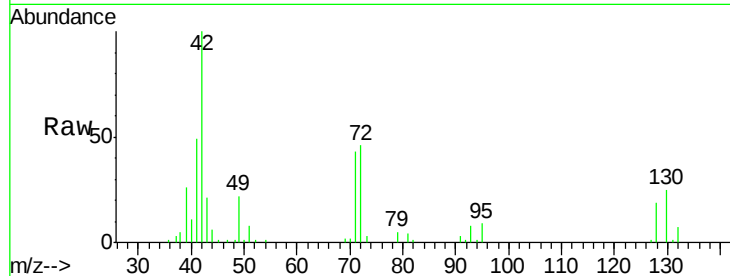
#29
Tetrahydrofuran
Concen: 90.944 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	42.3	63.5
71	46.5	39.5	59.3

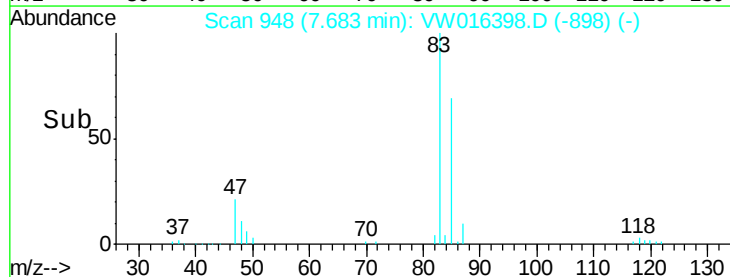
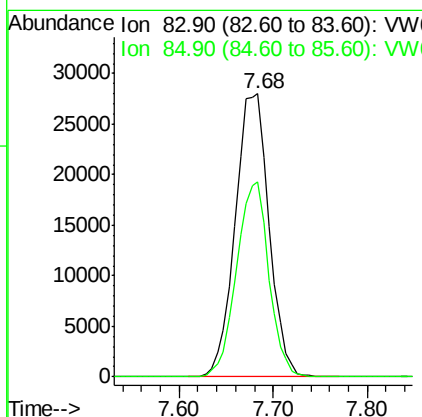
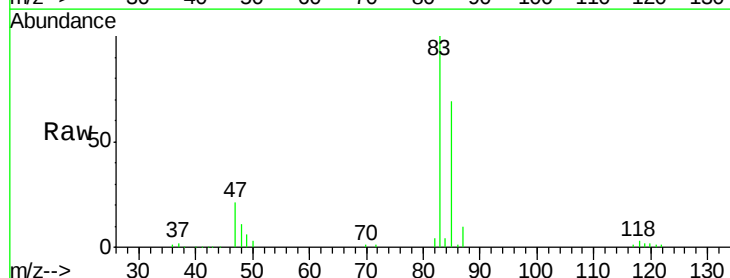
Manual Integrations
APPROVED

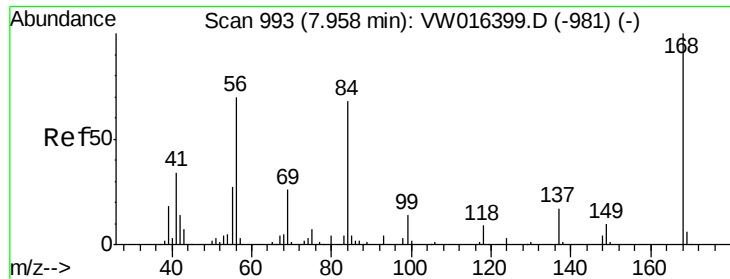
MMDadoda
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#30
Chloroform
Concen: 18.496 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.0	51.6	77.4





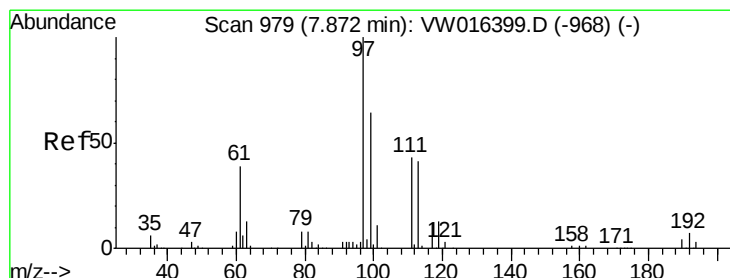
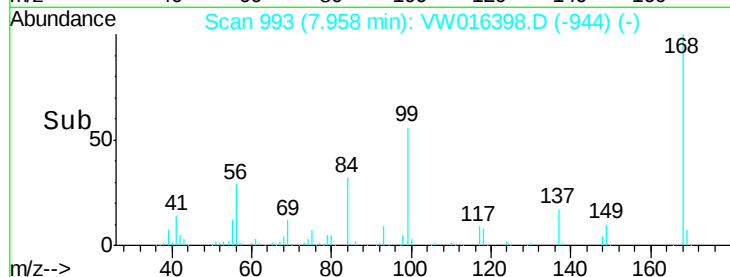
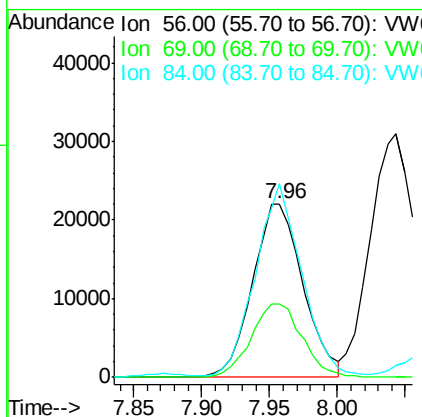
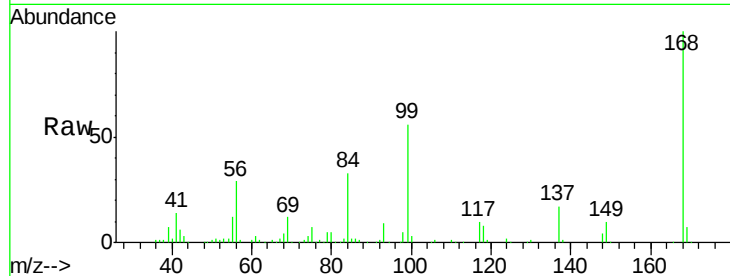
#31
Cyclohexane
Concen: 17.273 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.5	30.0	45.0
84	110.6	77.4	116.2

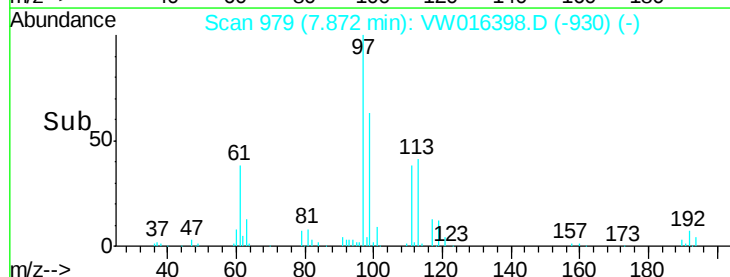
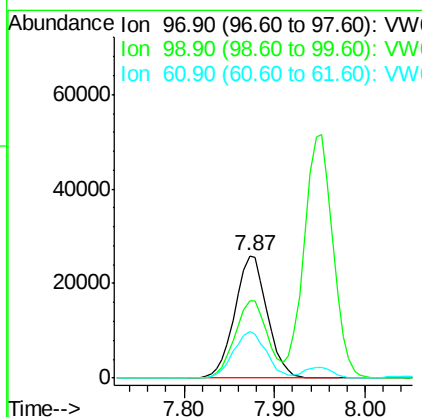
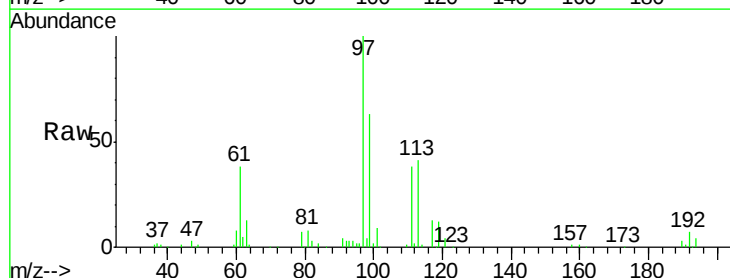
Manual Integrations
APPROVED

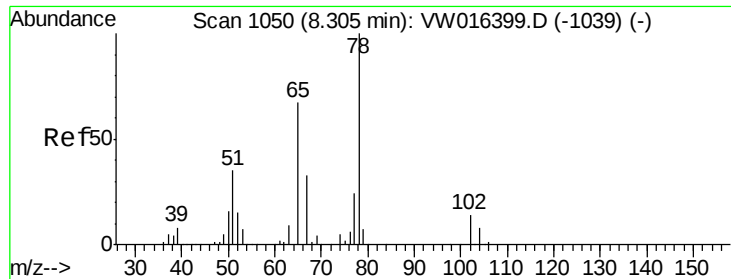
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.933 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.0	78.0
61	39.0	31.0	46.6





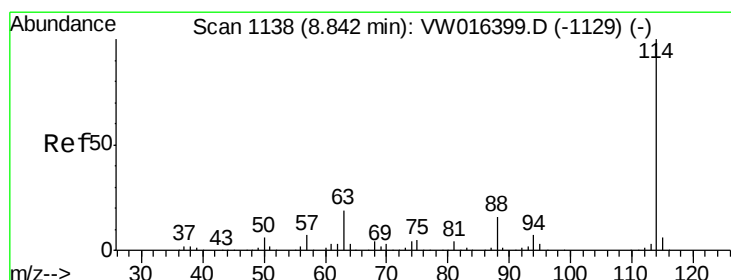
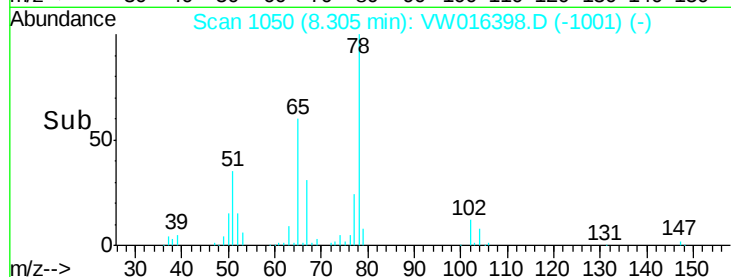
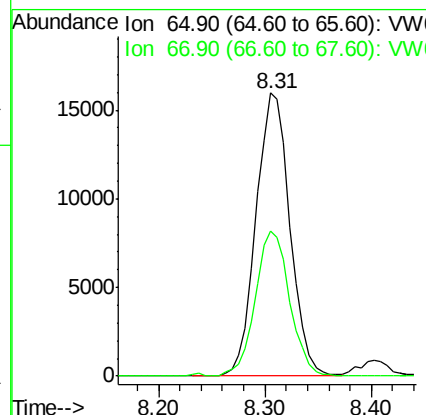
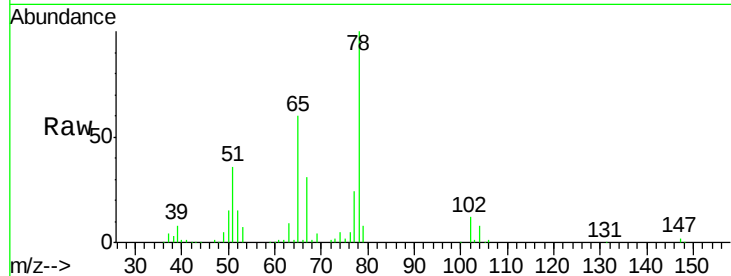
#33
 1,2-Dichloroethane-d4
 Concen: 19.371 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	35726		
67	51.9	0.0	100.2	

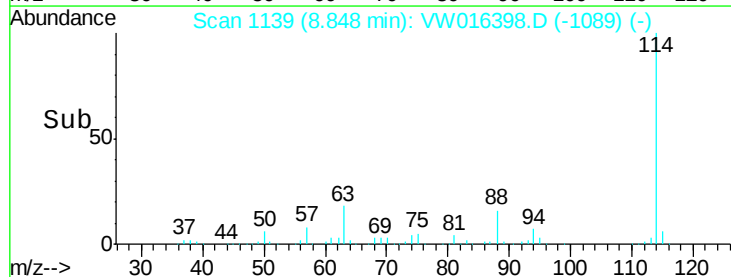
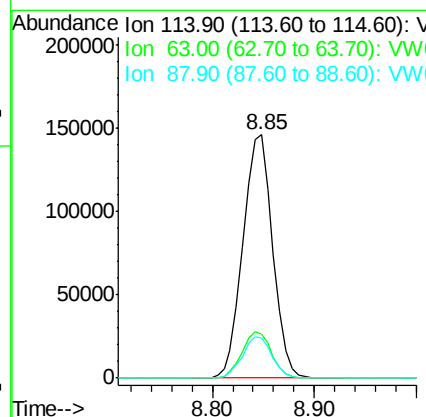
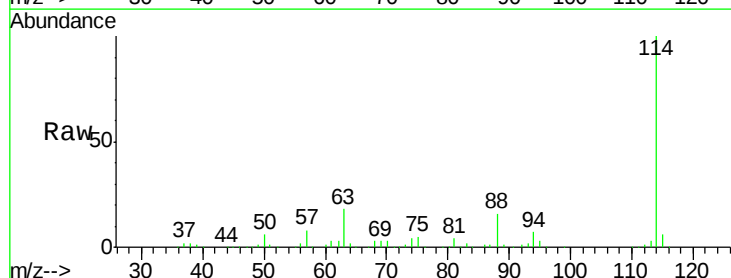
Manual Integrations
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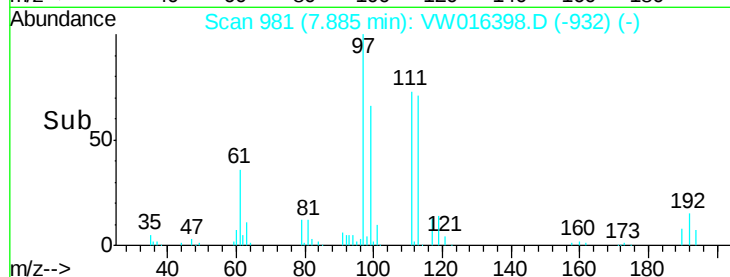
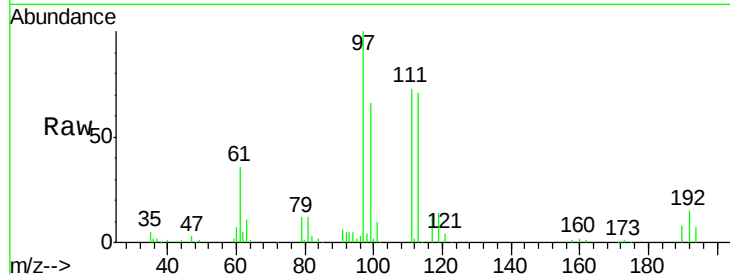
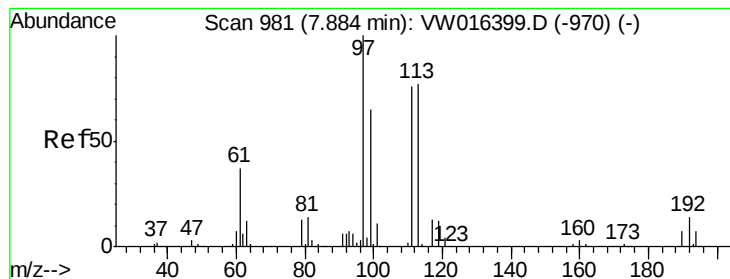
MMDadoda
 8/31/2020 11:59:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	294346		
63	18.0	0.0	37.8	
88	16.4	0.0	31.2	





#35

Dibromofluoromethane

Concen: 19.620 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Tot Ion:	113	Resp:	35436
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.1	123.1
192	19.6	15.5	23.3

Instrument :

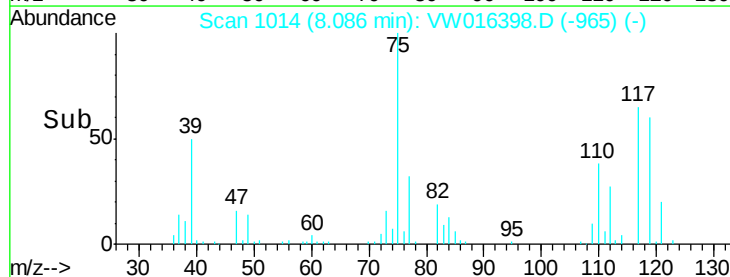
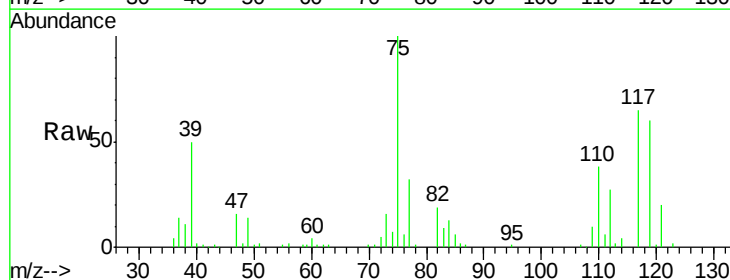
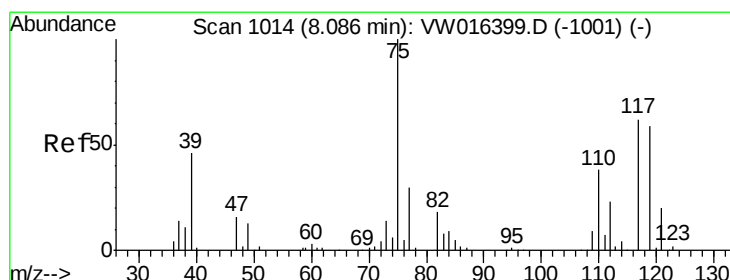
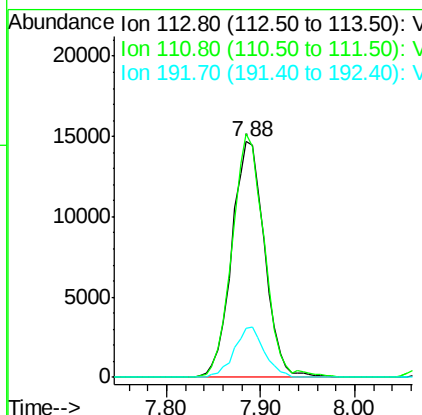
MSVOA_W

ClientSampled :

VSTDIC020

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.236 ug/l

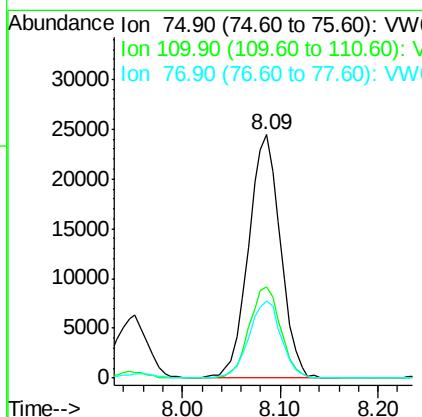
RT: 8.09 min Scan# 1014

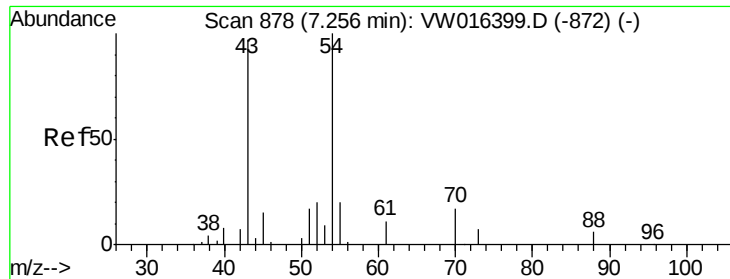
Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Tgt Ion:	75	Resp:	55787
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.6	56.0
77	31.9	25.1	37.7





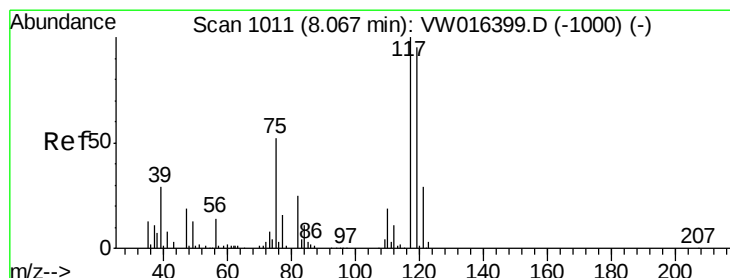
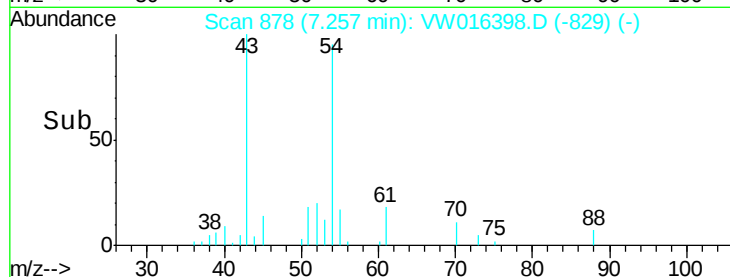
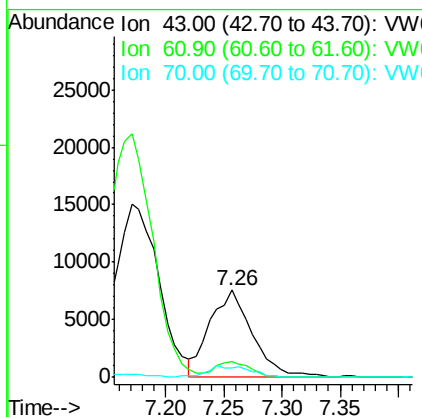
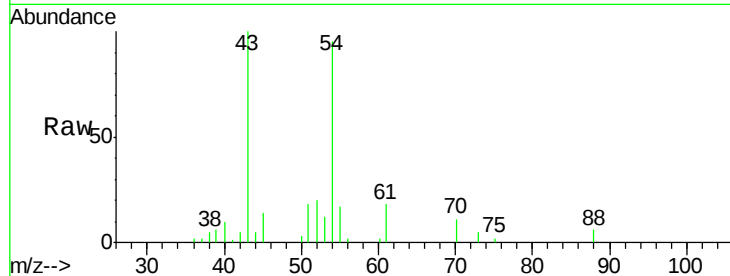
#37
Ethyl Acetate
Concen: 19.697 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.5	17.3
70	13.5	10.7	16.1

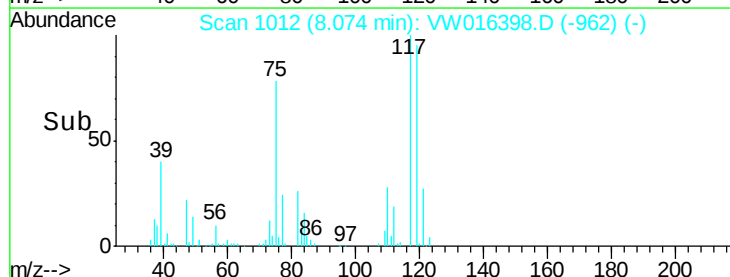
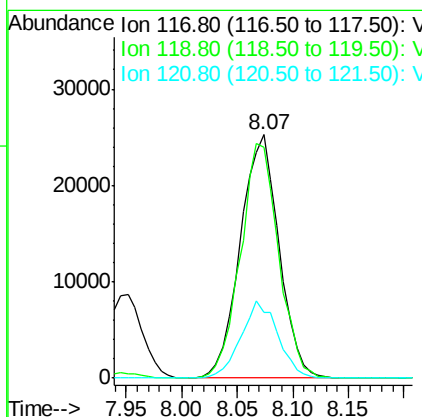
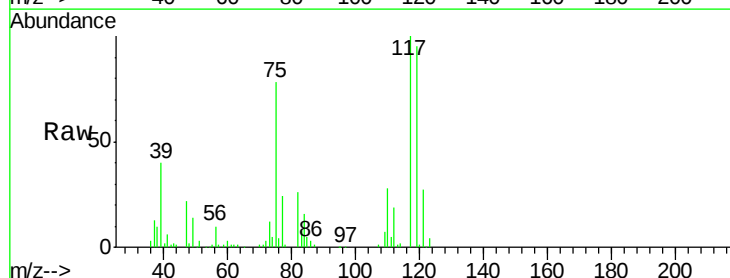
Manual Integrations
APPROVED

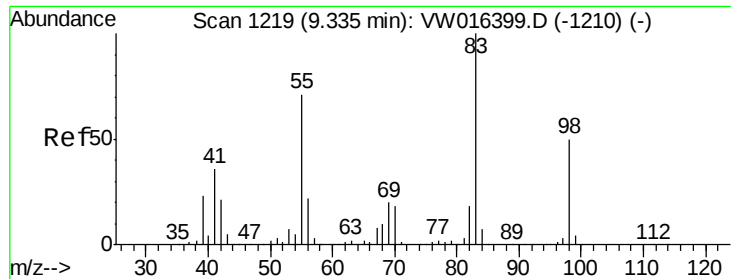
MMDadoda
8/31/2020 11:59:28 AM



#38
Carbon Tetrachloride
Concen: 20.730 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.3	114.5
121	27.1	23.0	34.6





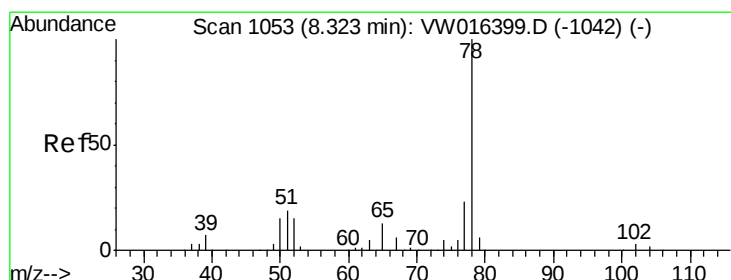
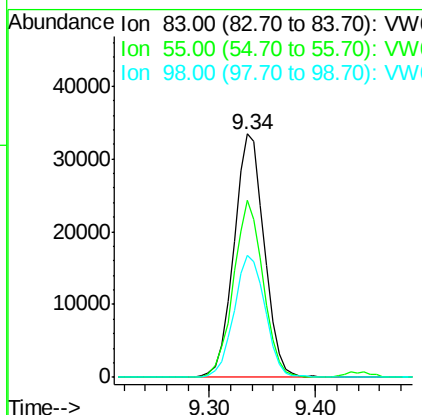
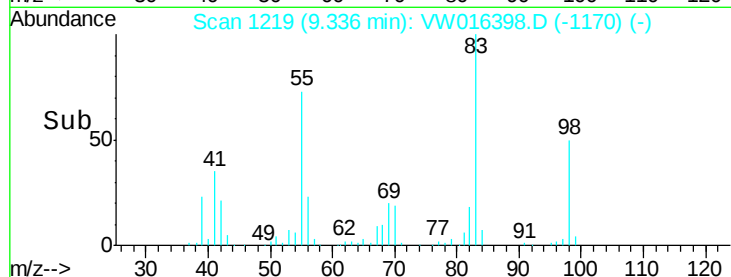
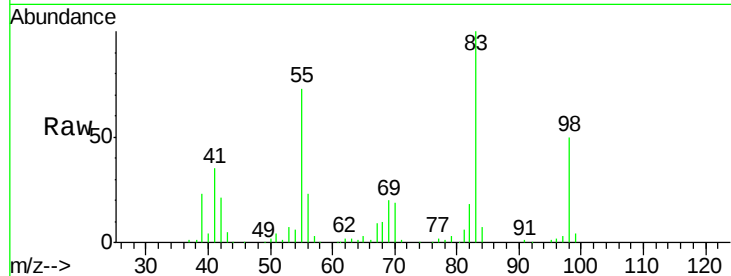
#39
Methvlcvclohexane
Concen: 19.183 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	66852
Ion Ratio	Lower	Upper	
83	100		
55	72.6	57.0	85.6
98	50.3	39.9	59.9

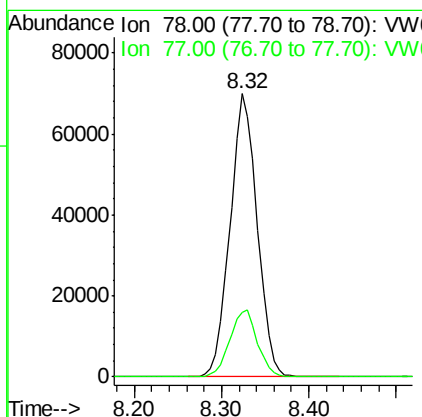
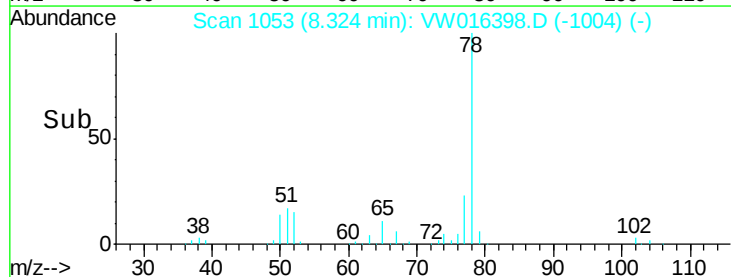
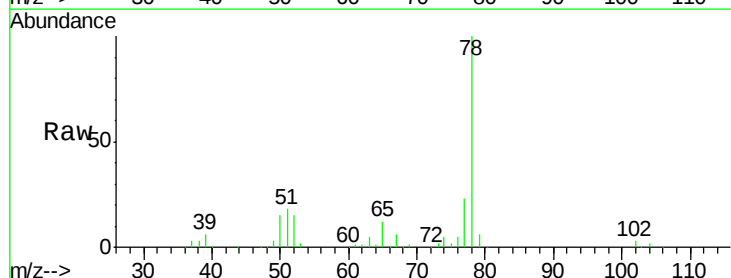
Manual Integrations
APPROVED

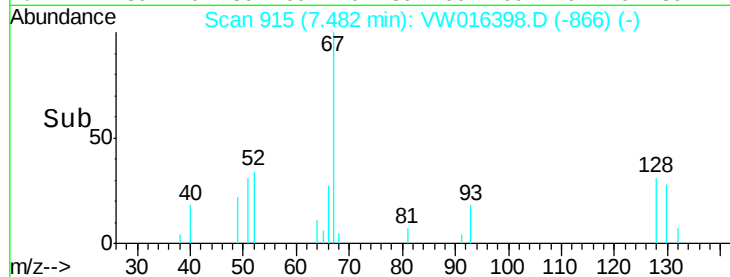
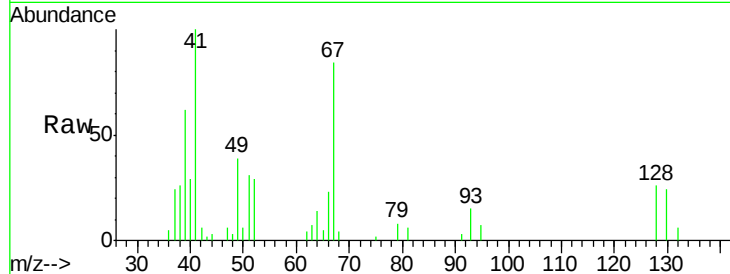
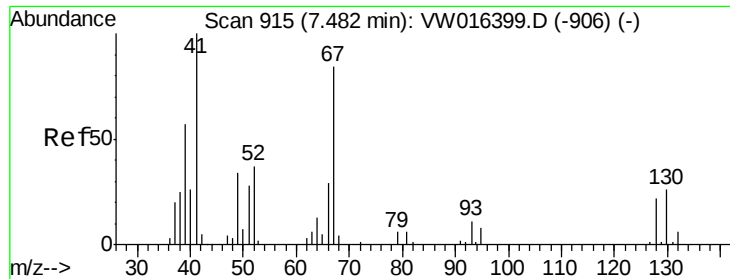
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#40
Benzene
Concen: 18.615 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	78	Resp	150930
Ion Ratio	Lower	Upper	
78	100		
77	22.7	18.6	27.8





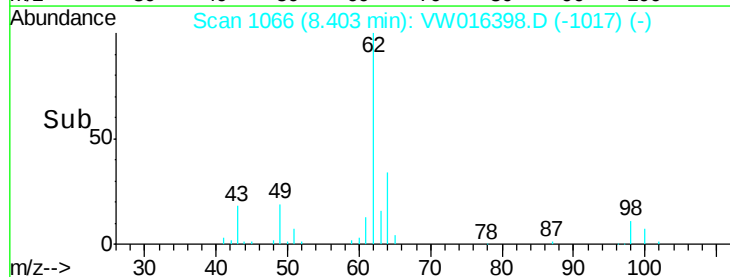
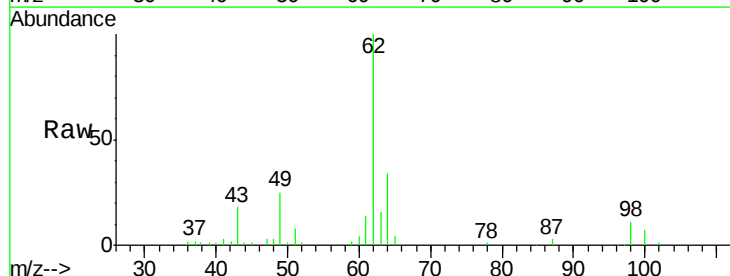
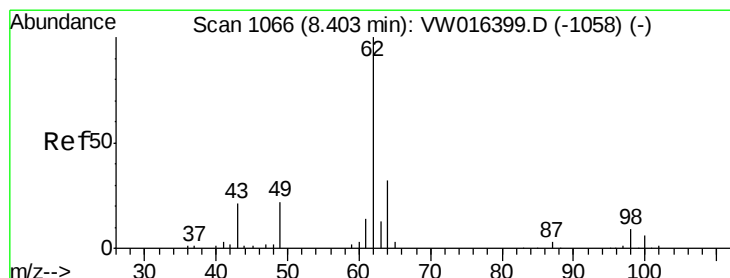
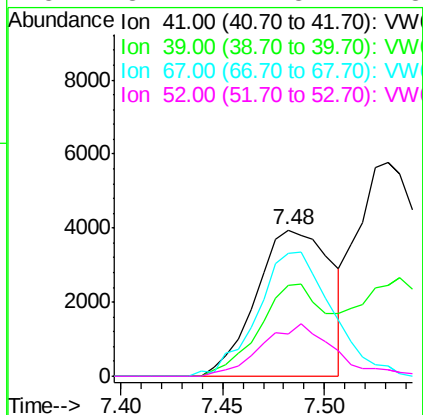
#41
Methacrylonitrile
Concen: 18.154 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tot Ion	41	Resp	10142
Ion	Ratio	Lower	Upper
41	100		
39	57.5	45.4	68.2
67	83.8	65.8	98.6
52	34.7	27.8	41.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

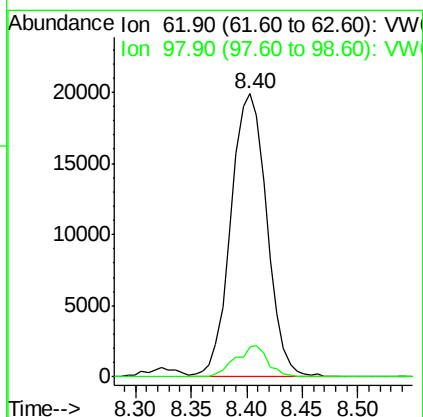
Manual Integrations
APPROVED

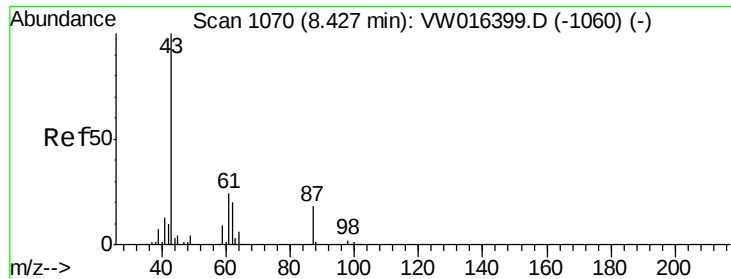
MMDadoda
8/31/2020 11:59:28 AM



#42
1,2-Dichloroethane
Concen: 20.439 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	62	Resp	44624
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 19.557 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

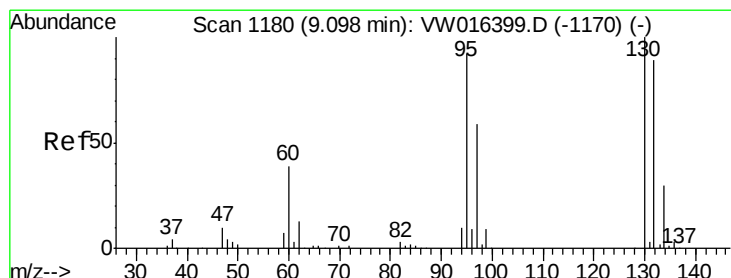
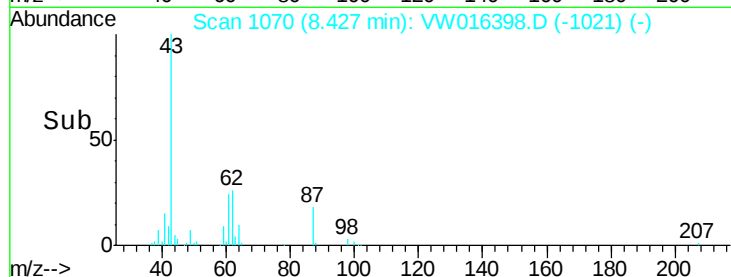
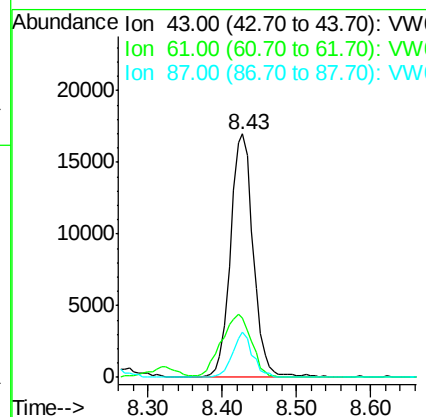
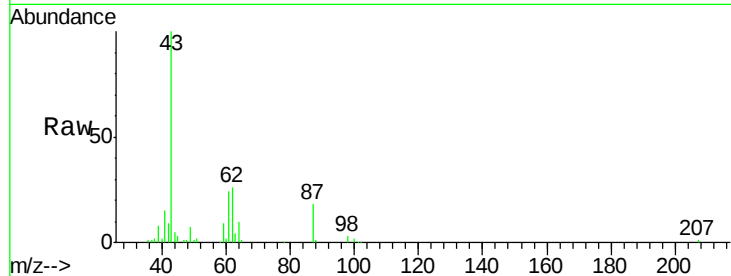
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	36432
Ion	Ratio	Lower	Upper
43	100		
61	34.0	27.5	41.3
87	16.3	13.5	20.3

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#44

Trichloroethene

Concen: 18.938 ug/l

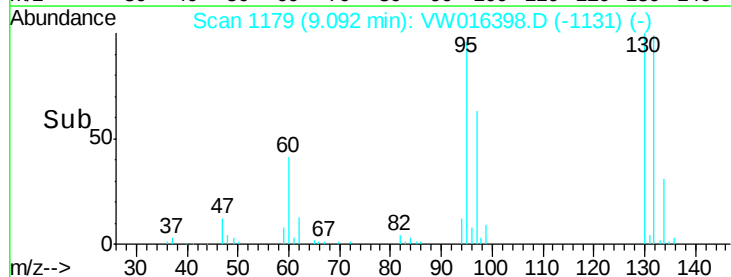
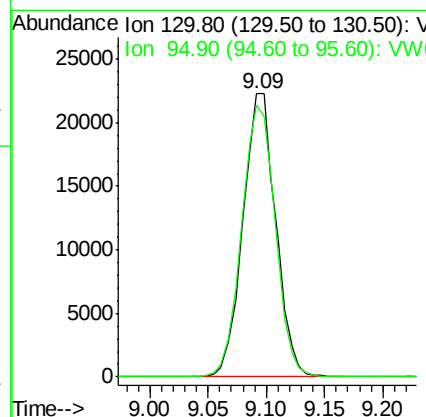
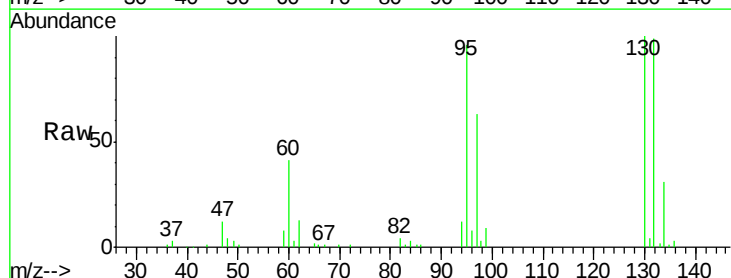
RT: 9.09 min Scan# 1179

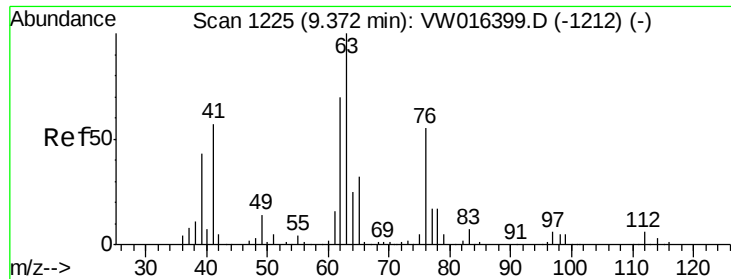
Delta R.T. -0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Tgt Ion:	130	Resp:	43981
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	183.4





#45

1,2-Dichloropropane

Concen: 18.077 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 34338

Ion Ratio Lower Upper

63 100

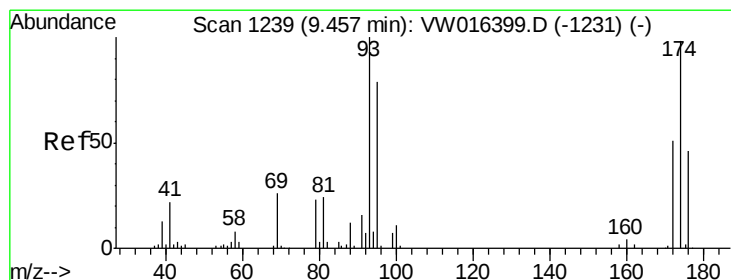
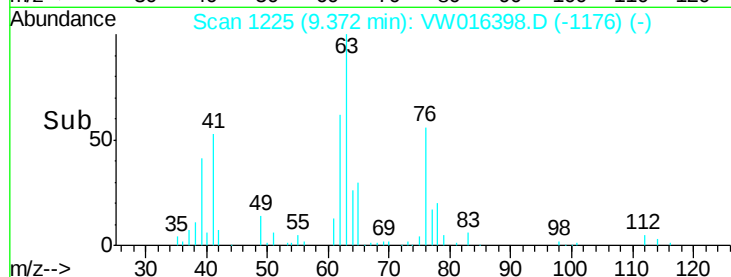
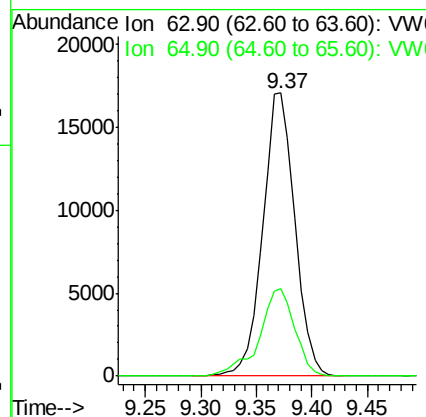
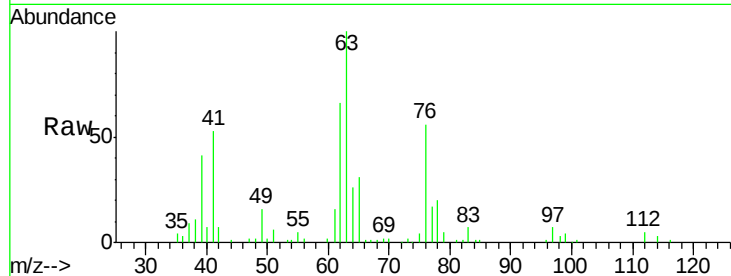
65 30.9 25.4 38.0

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#46

Dibromomethane

Concen: 19.829 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

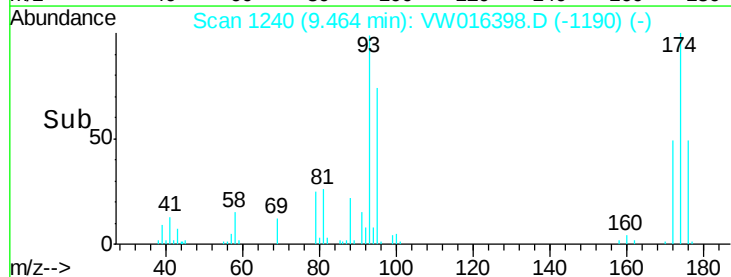
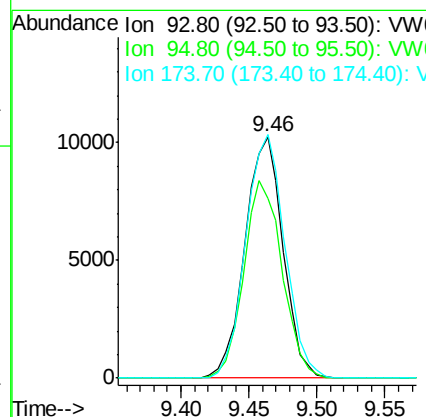
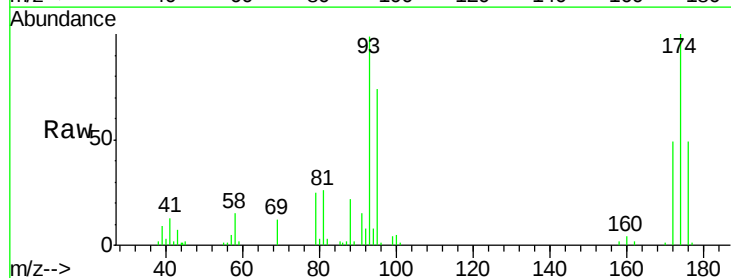
Tgt Ion: 93 Resp: 20116

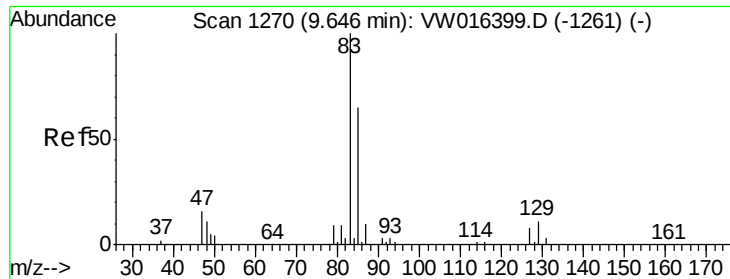
Ion Ratio Lower Upper

93 100

95 82.3 65.3 97.9

174 103.6 80.1 120.1





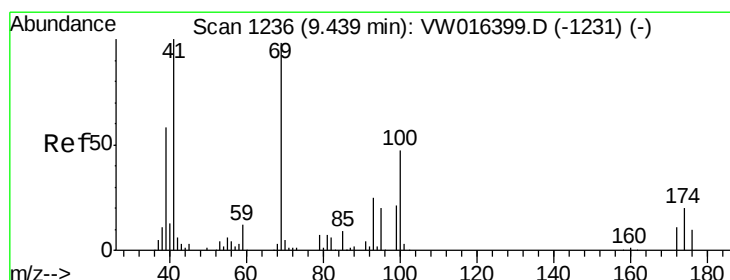
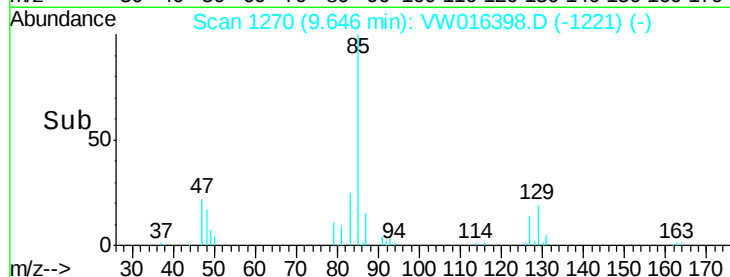
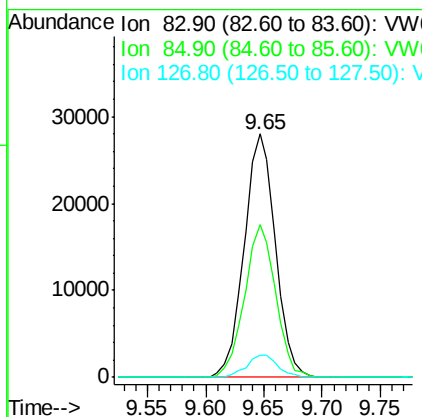
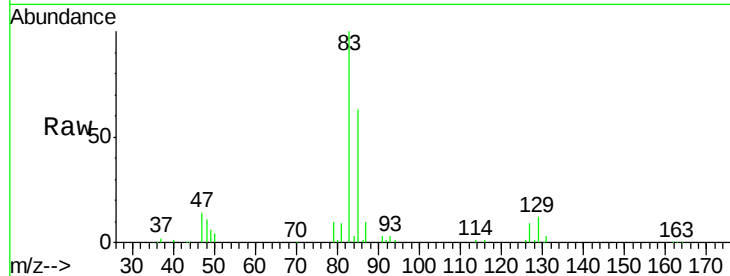
#47
Bromodichloromethane
Concen: 19.870 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	52346		
85	63.0		52.2	78.2
127	9.0		6.8	10.2

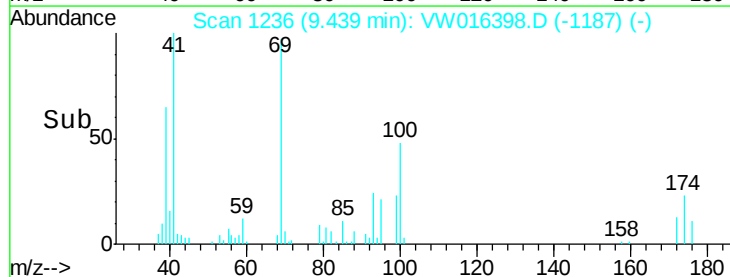
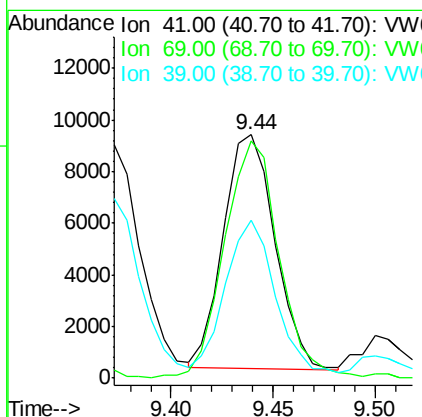
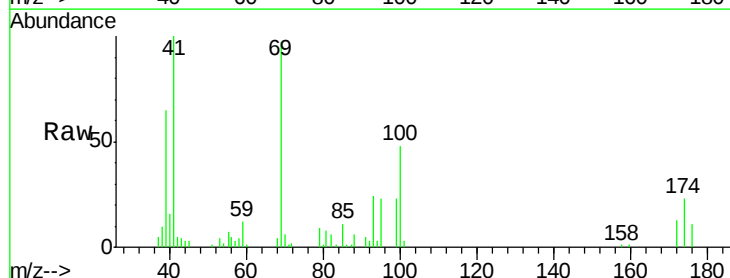
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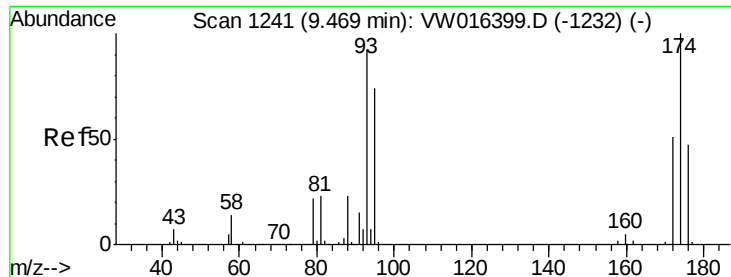
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#48
Methyl methacrylate
Concen: 18.446 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	15931		
69	108.2		83.5	125.3
39	62.1		48.7	73.1





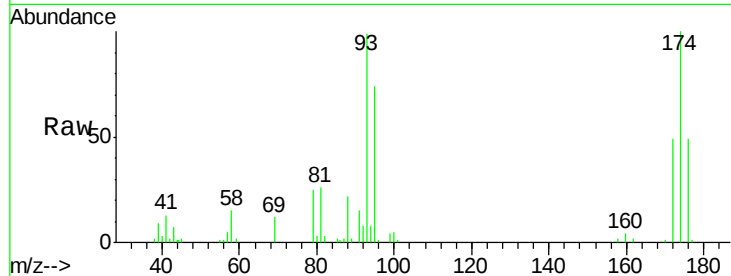
#49
1,4-Dioxane
Concen: 387.996 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

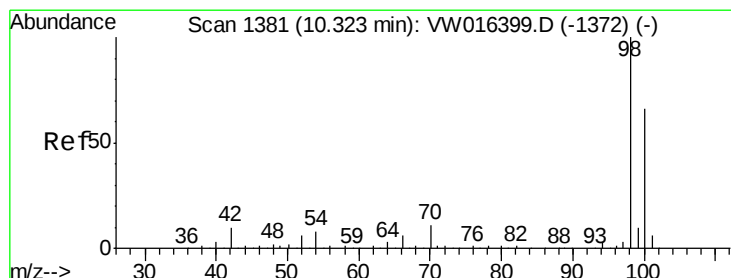
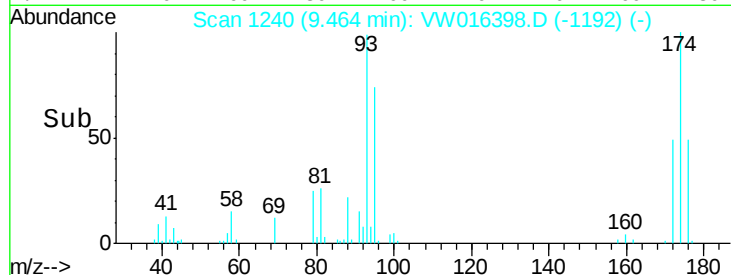
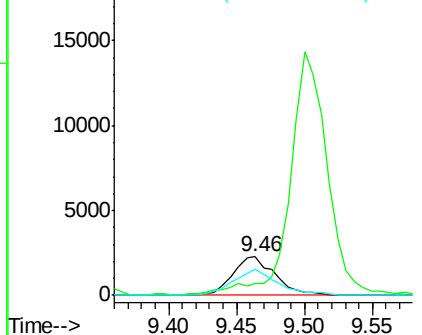
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.5	53.5	80.3

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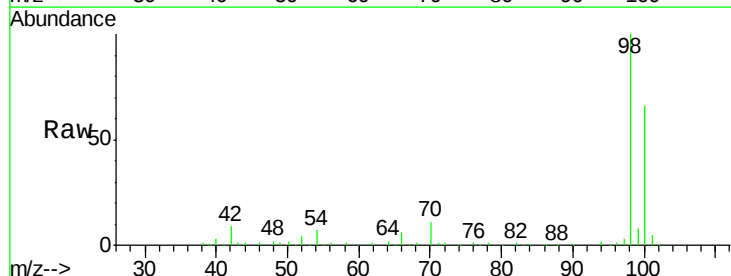


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

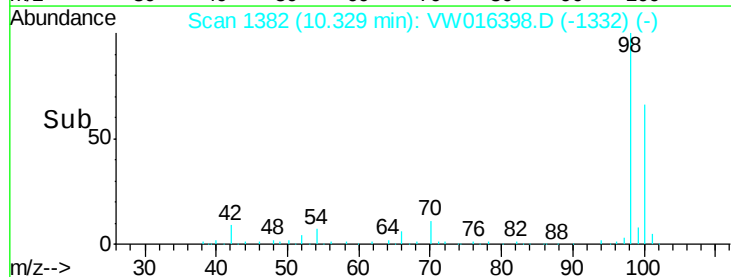
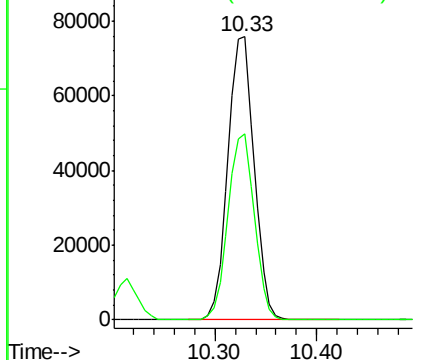


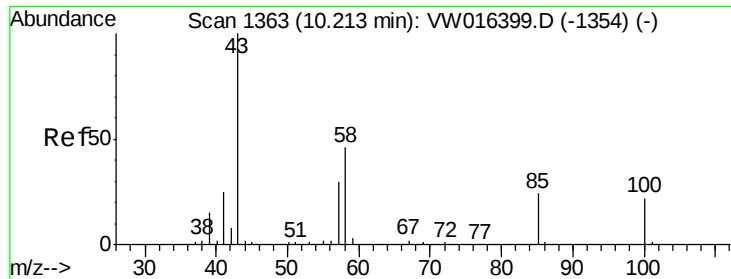
#50
Toluene-d8
Concen: 19.349 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	78.8



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





#51

4-Methyl-2-Pentanone

Concen: 94.907 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 88798

Ion Ratio Lower Upper

43 100

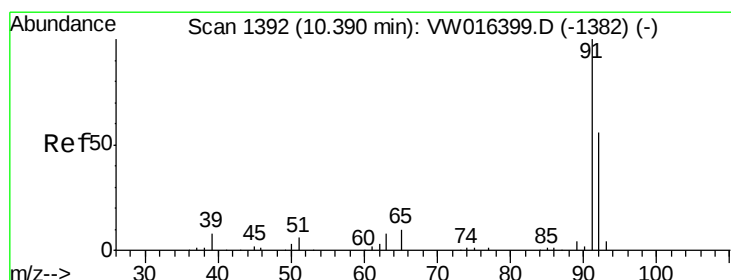
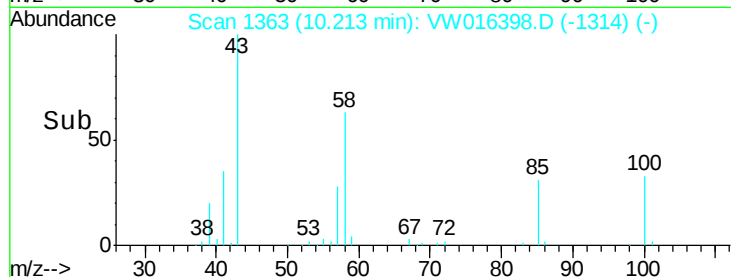
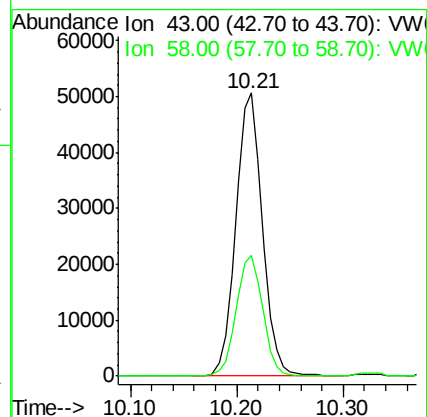
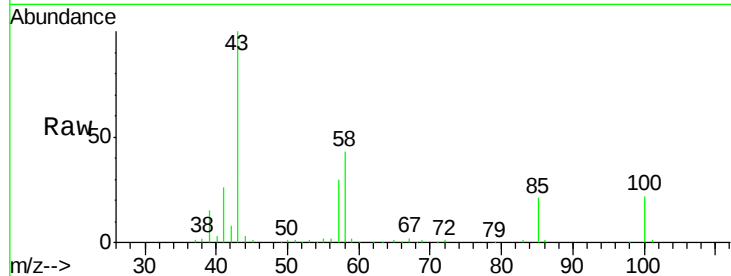
58 42.6 35.4 53.0

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#52

Toluene

Concen: 18.995 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016398.D

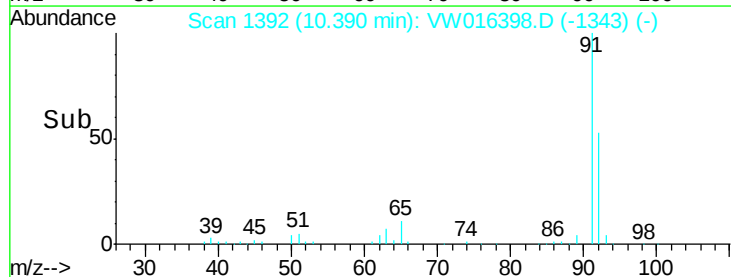
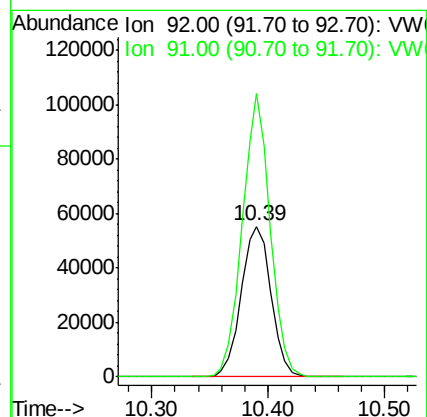
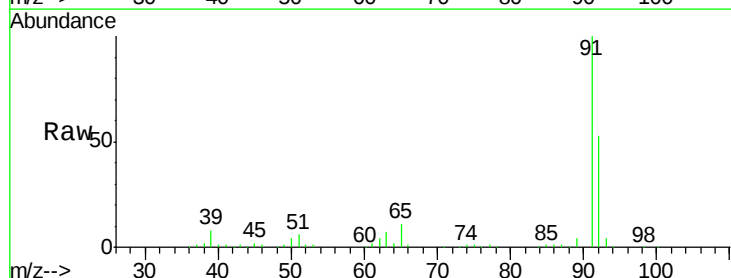
Acq: 28 Aug 2020 13:20

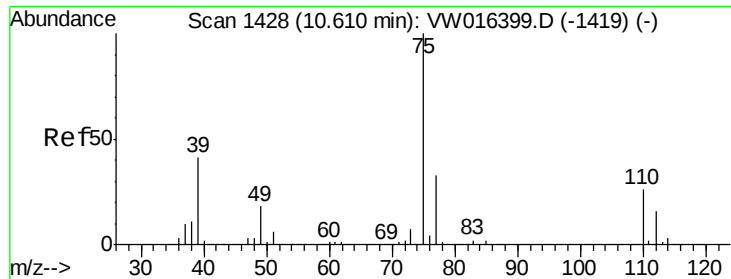
Tgt Ion: 92 Resp: 98860

Ion Ratio Lower Upper

92 100

91 175.4 137.1 205.7





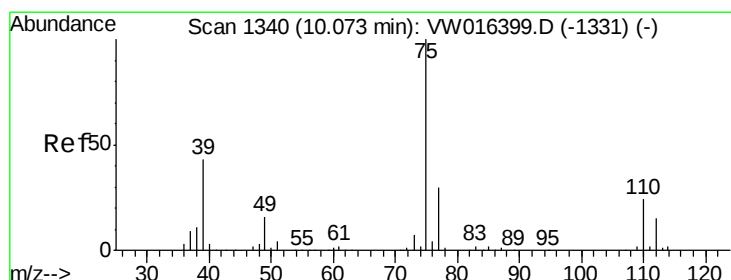
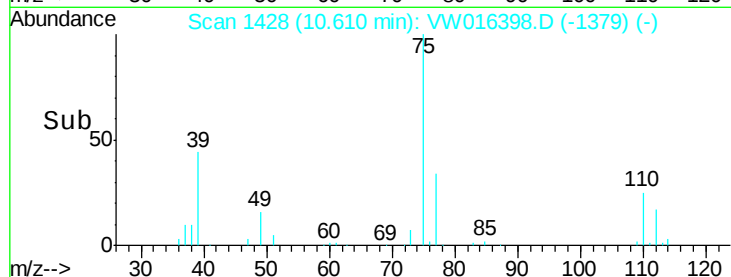
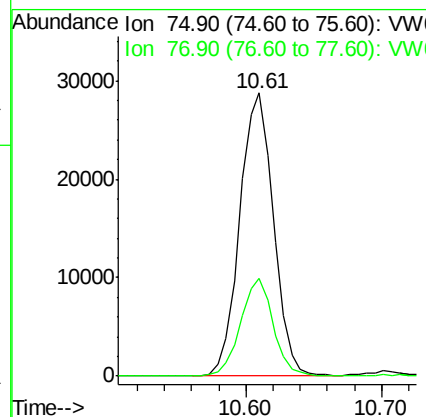
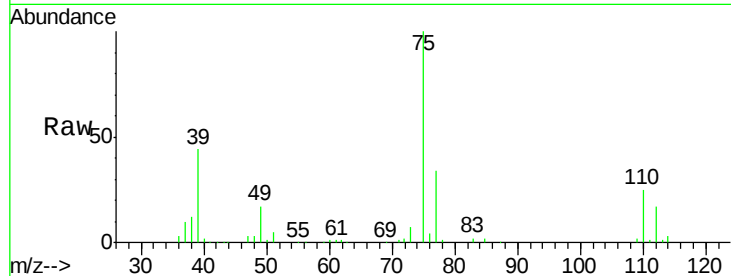
#53
 t-1,3-Dichloropropene
 Concen: 20.357 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.5	26.1	39.1

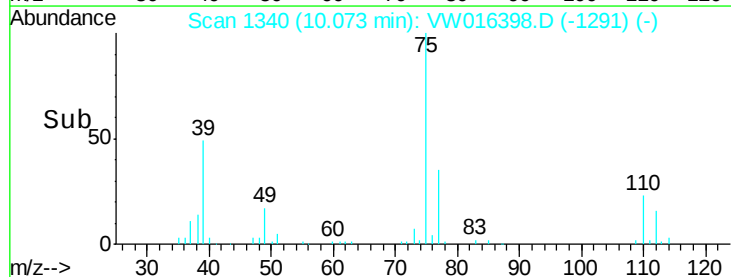
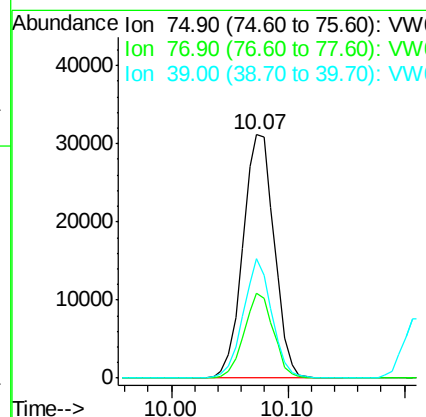
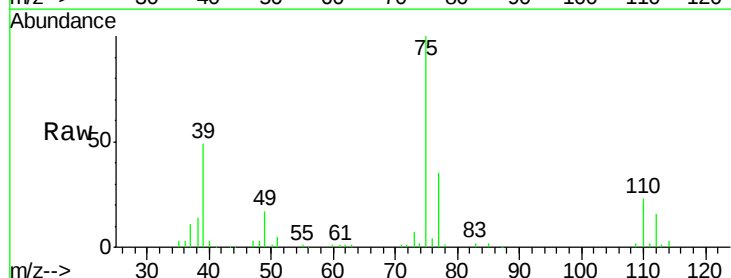
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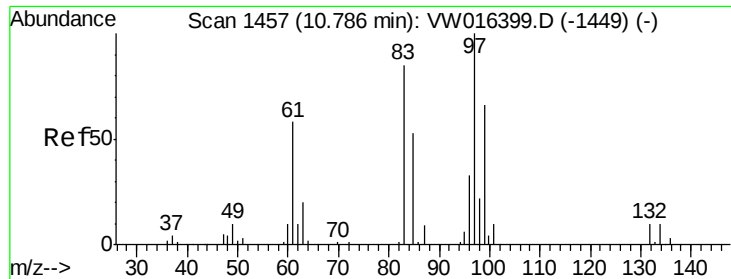
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#54
 cis-1,3-Dichloropropene
 Concen: 19.475 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.8	24.4	36.6
39	48.9	34.6	51.8





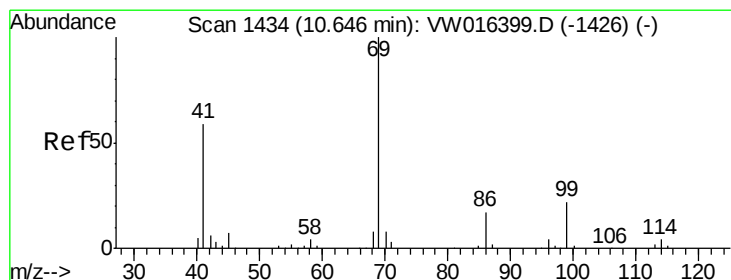
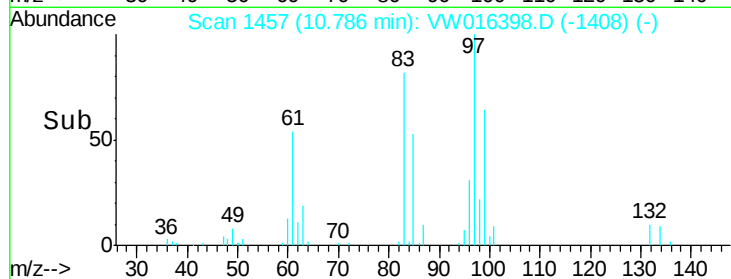
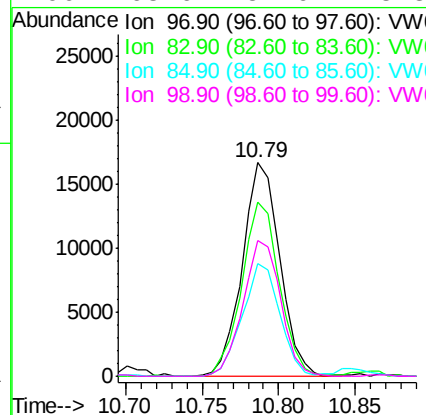
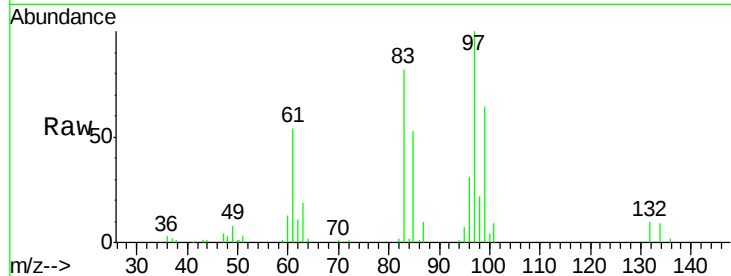
#55
 1,1,2-Trichloroethane
 Concen: 19.478 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	28400
Ion	Ratio	Lower	Upper
97	100		
83	81.7	68.0	102.0
85	52.9	42.2	63.2
99	63.6	52.6	78.8

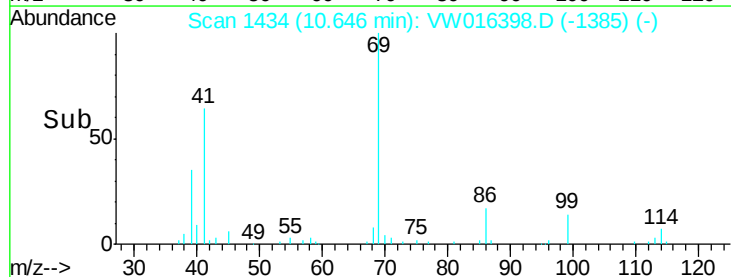
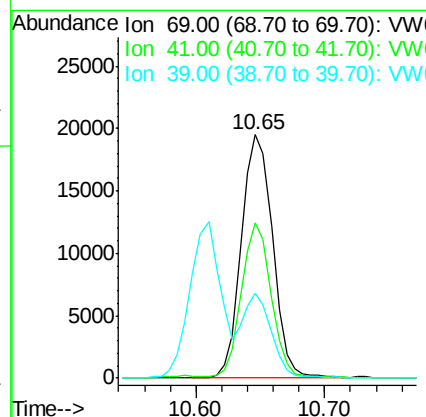
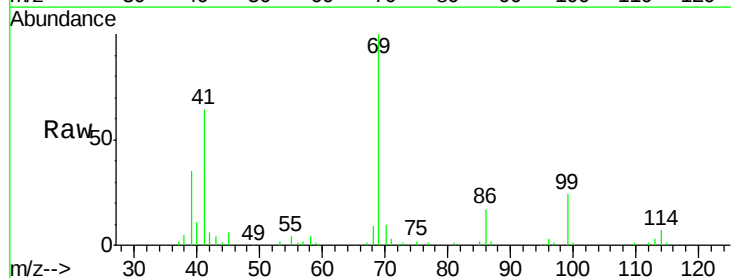
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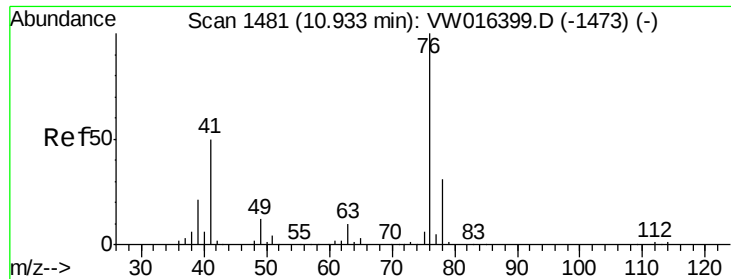
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#56
 Ethyl methacrylate
 Concen: 19.897 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion:	69	Resp:	32814
Ion	Ratio	Lower	Upper
69	100		
41	61.4	46.5	69.7
39	33.1	26.2	39.2





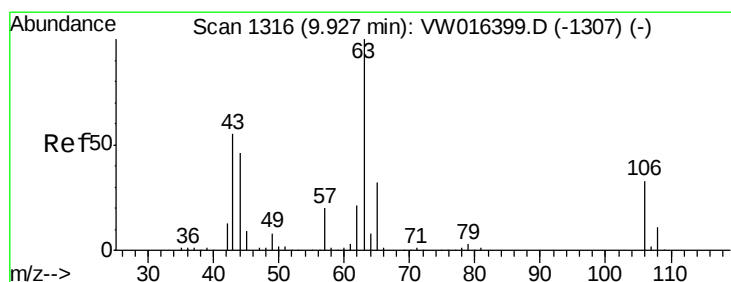
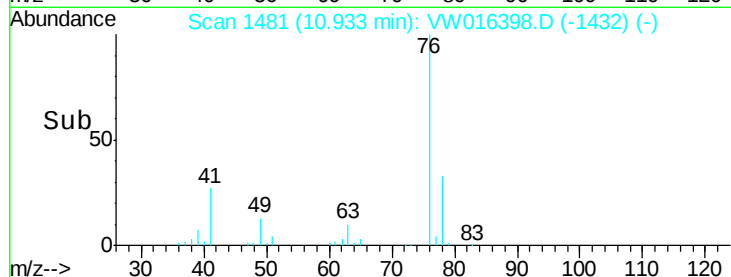
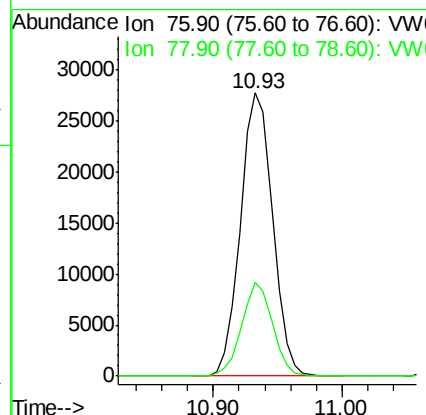
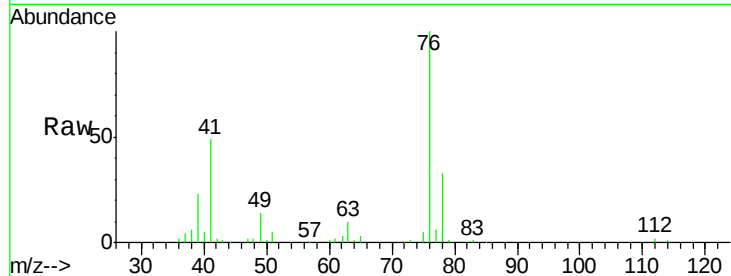
#57
 1,3-Dichloropropane
 Concen: 19.426 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 47896
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.1 39.1

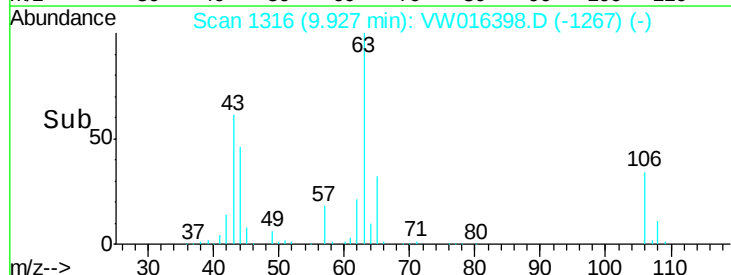
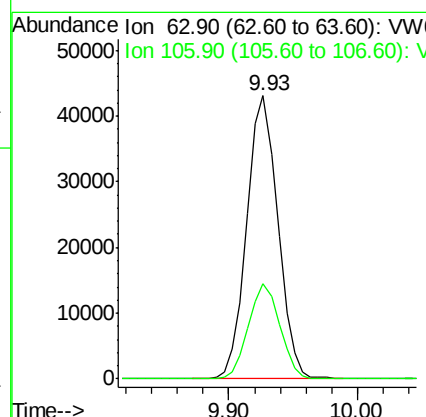
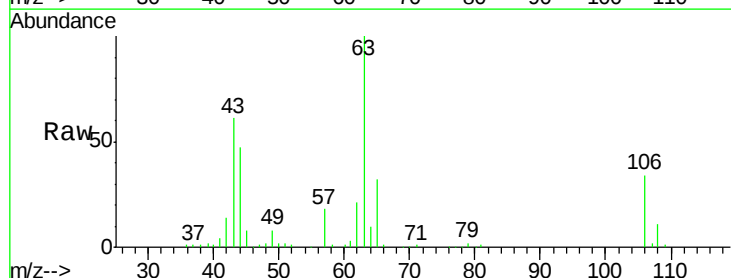
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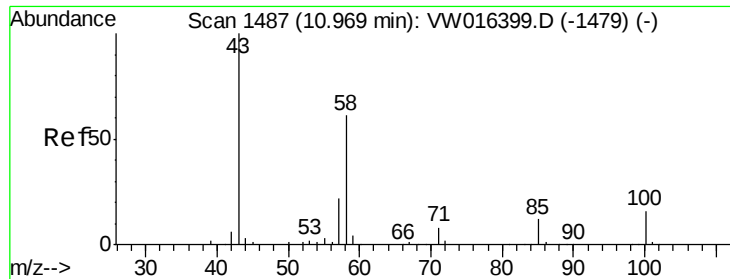
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#58
 2-Chloroethyl Vinyl ether
 Concen: 95.623 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion: 63 Resp: 71930
 Ion Ratio Lower Upper
 63 100
 106 33.8 26.6 40.0





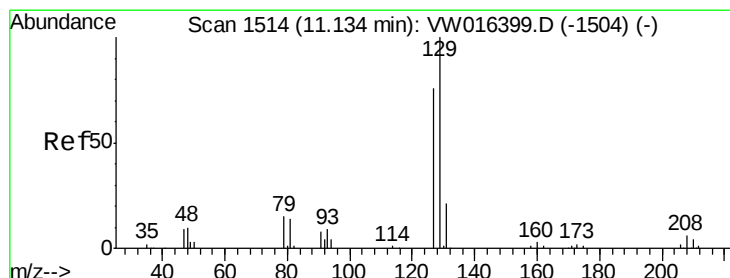
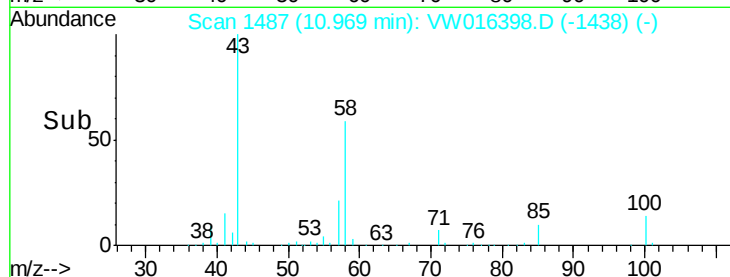
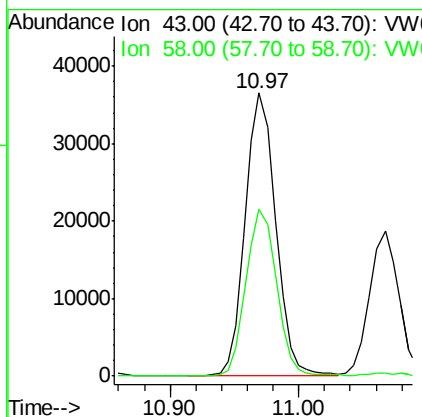
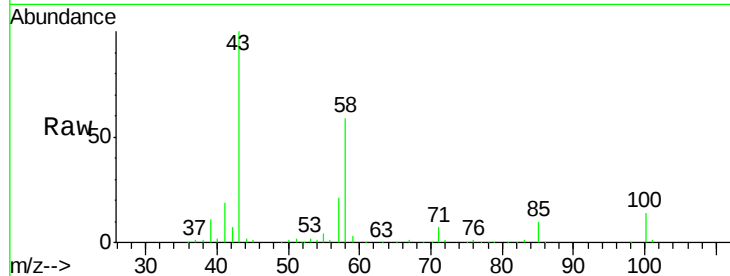
#59
2-Hexanone
Concen: 93.975 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 59927
Ion Ratio Lower Upper
43 100
58 59.0 29.7 89.1

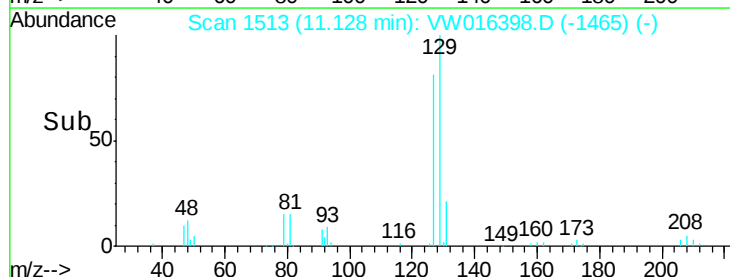
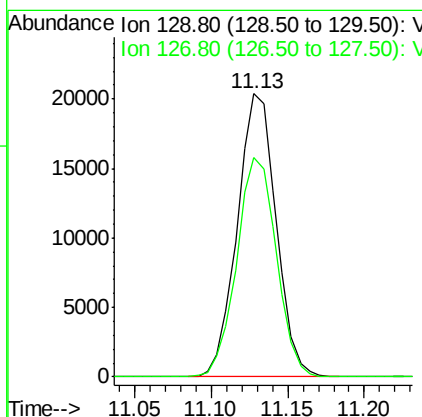
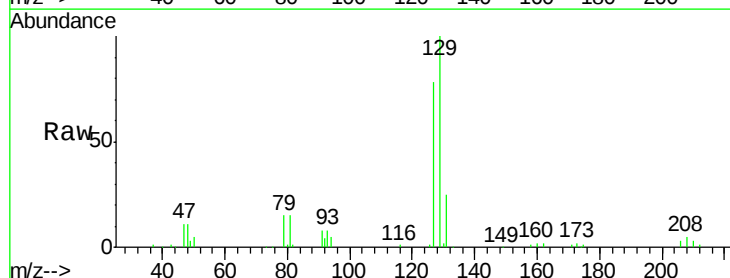
Manual Integrations
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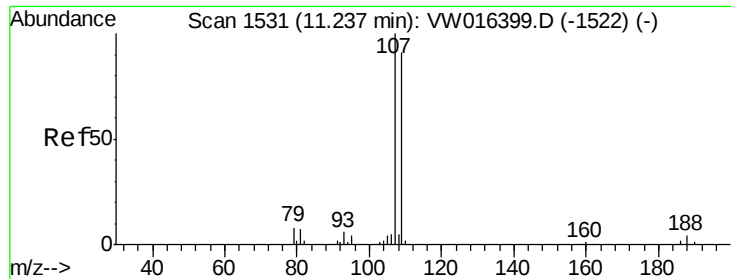
MMDadoda
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#60
Dibromochloromethane
Concen: 20.479 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion: 129 Resp: 35953
Ion Ratio Lower Upper
129 100
127 78.9 38.6 115.7





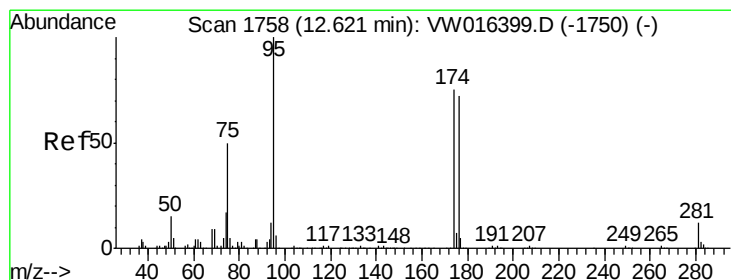
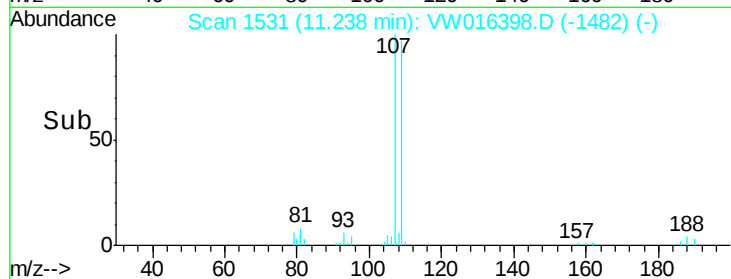
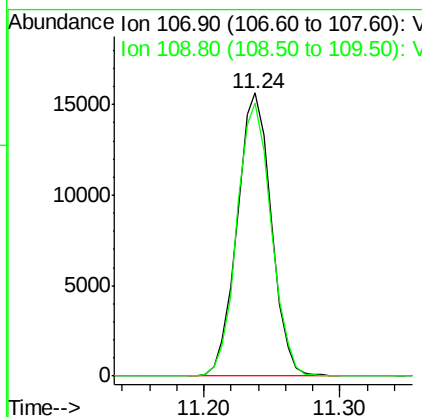
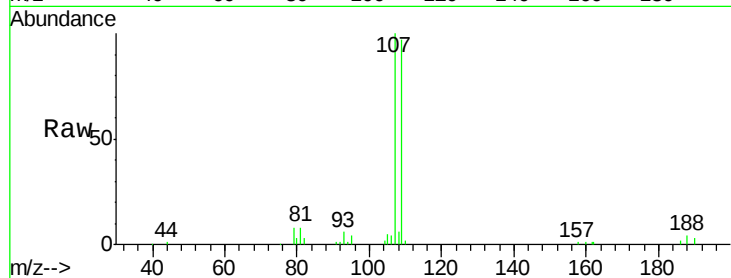
#61
 1,2-Dibromoethane
 Concen: 19.532 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 27429
 Ion Ratio Lower Upper
 107 100
 109 97.1 74.5 111.7

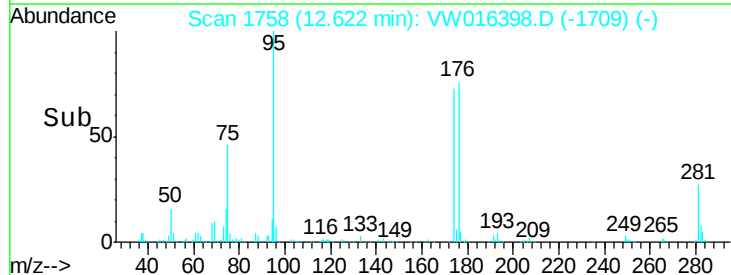
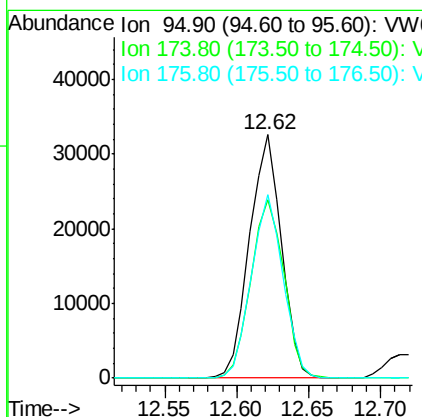
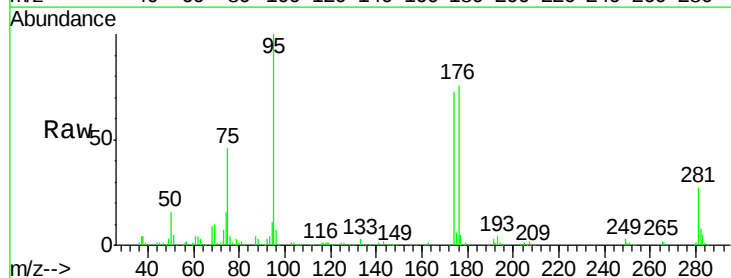
Manual Integrations
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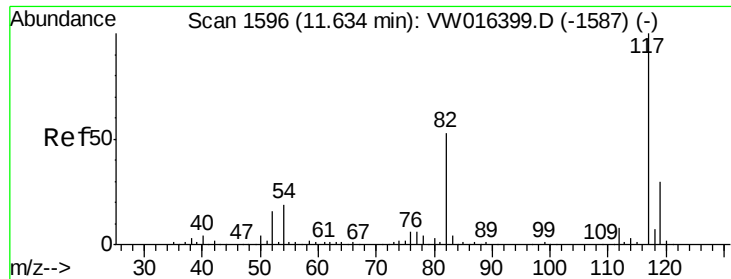
MMDadoda
 8/31/2020 11:59:28 AM



#62
 4-Bromofluorobenzene
 Concen: 19.929 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion: 95 Resp: 49836
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 152.0
 176 75.1 0.0 145.6





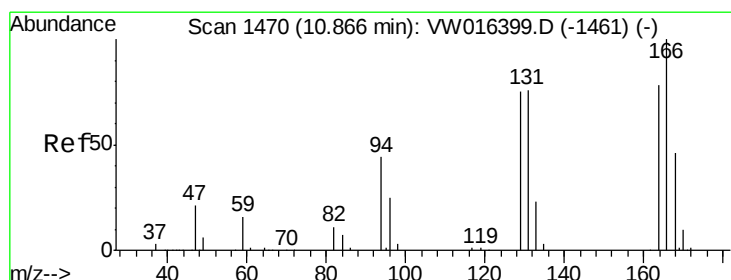
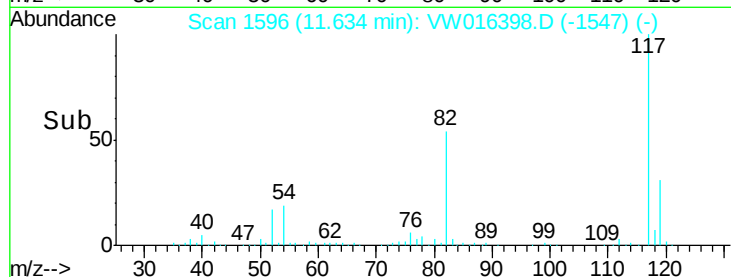
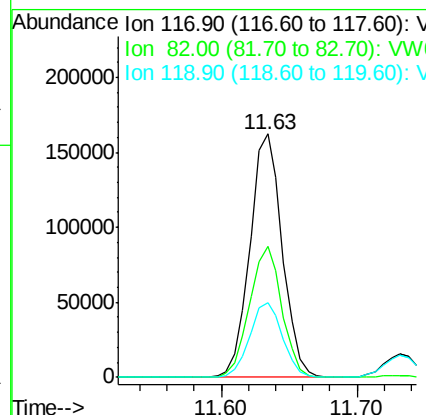
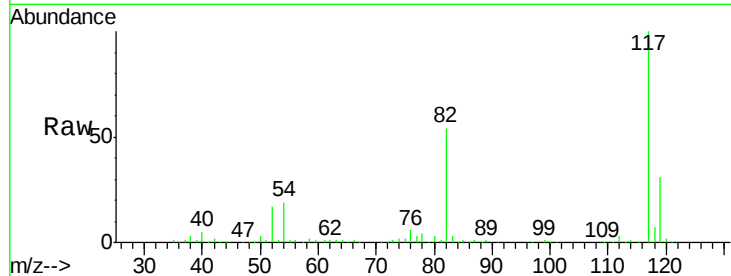
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	269580		
82	53.5		42.2	63.4
119	30.7		24.2	36.4

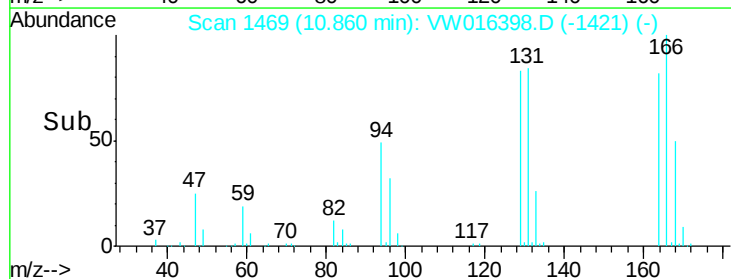
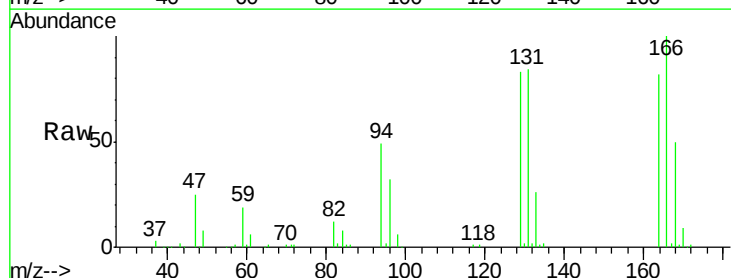
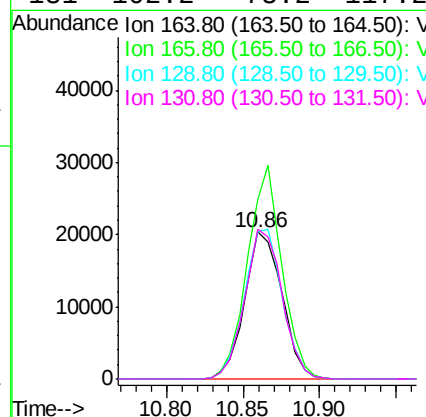
Manual Integrations
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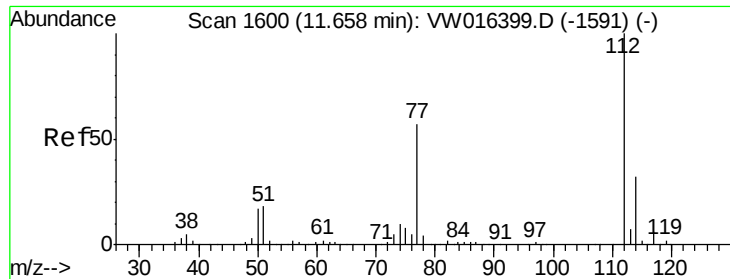
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#64
Tetrachloroethene
Concen: 19.166 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34587		
166	121.7		103.1	154.7
129	100.5		77.3	115.9
131	102.2		78.2	117.2





#65

Chlorobenzene

Concen: 19.634 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 109710

Ion Ratio Lower Upper

112 100

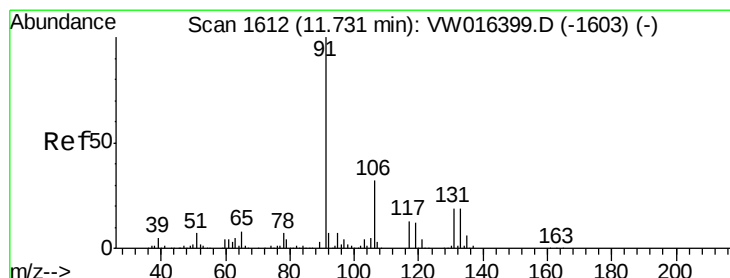
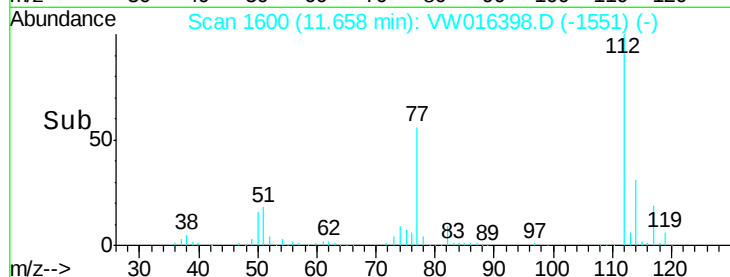
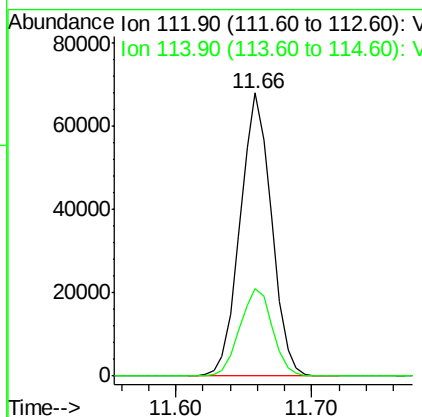
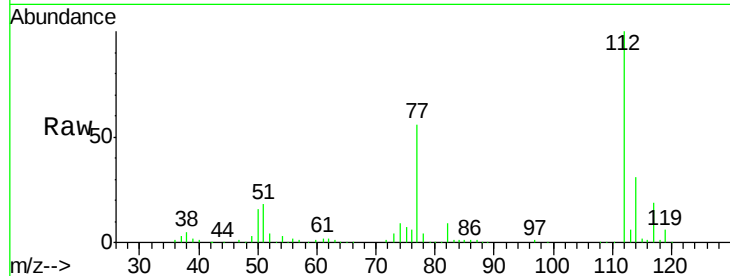
114 30.8 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.524 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

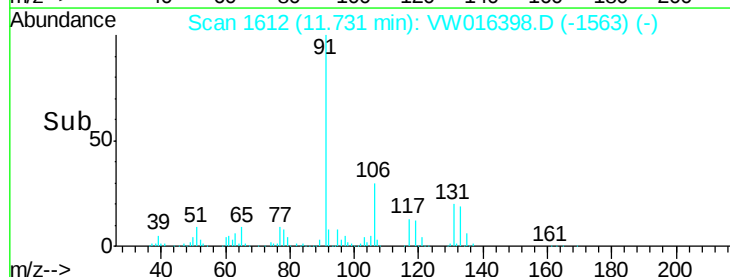
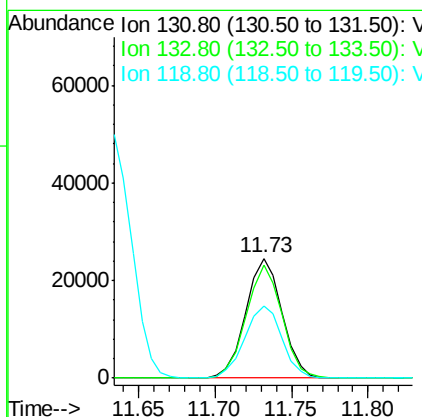
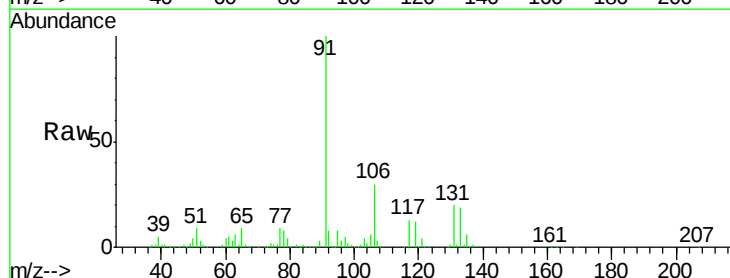
Tgt Ion:131 Resp: 40406

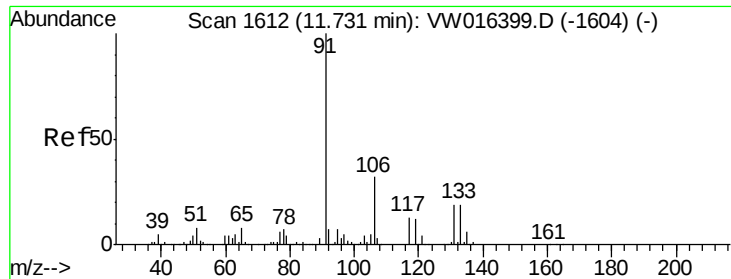
Ion Ratio Lower Upper

131 100

133 93.2 46.9 140.6

119 62.6 31.6 95.0





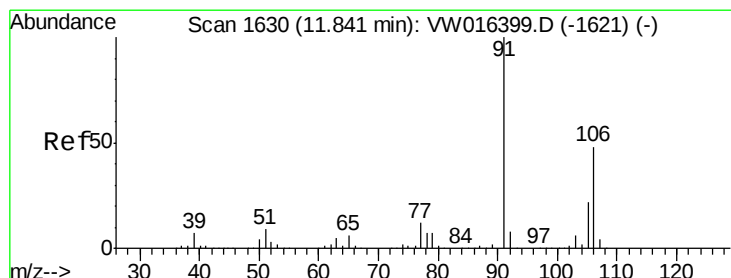
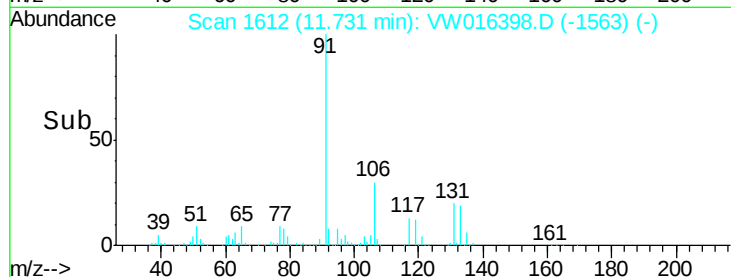
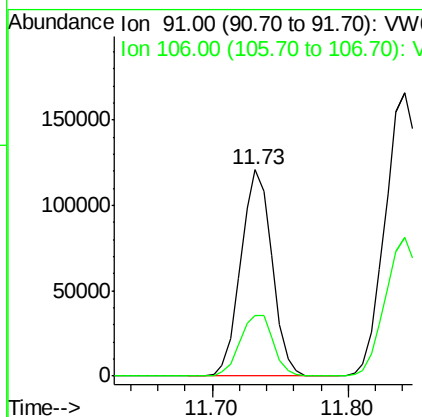
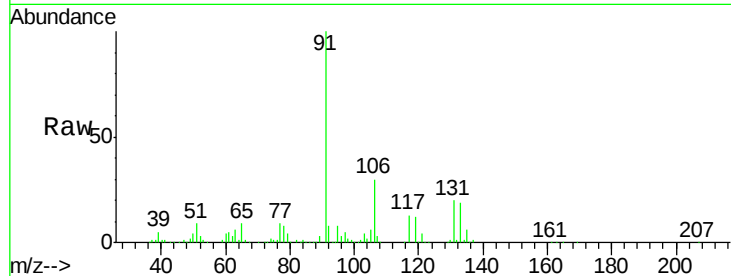
#67
Ethyl Benzene
Concen: 19.438 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 194318
Ion Ratio Lower Upper
91 100
106 29.7 25.3 37.9

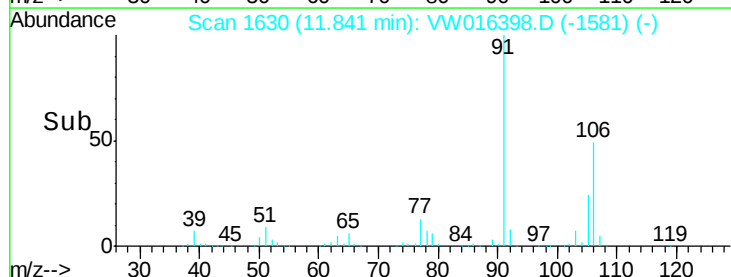
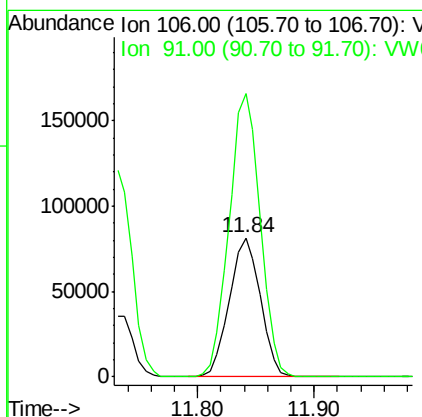
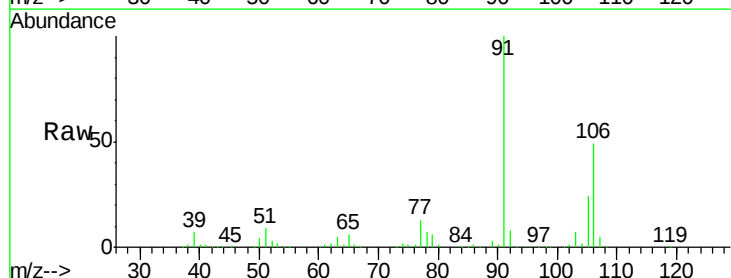
Manual Integrations
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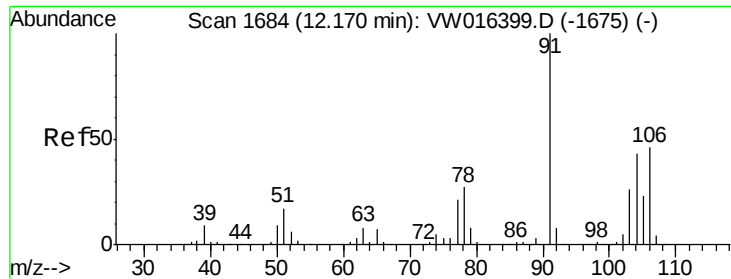
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#68
m/p-Xylenes
Concen: 39.416 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion: 106 Resp: 151361
Ion Ratio Lower Upper
106 100
91 203.9 167.7 251.5





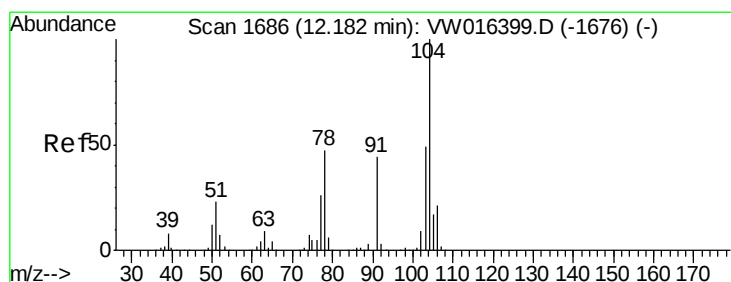
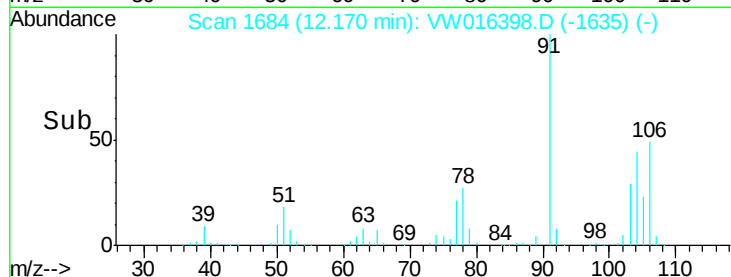
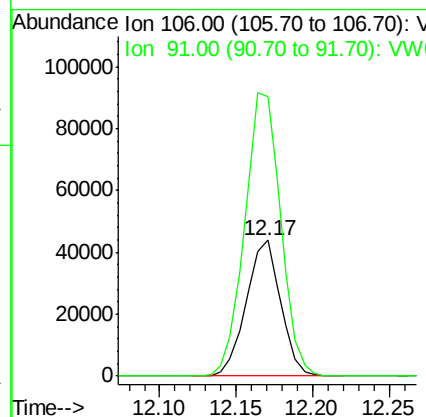
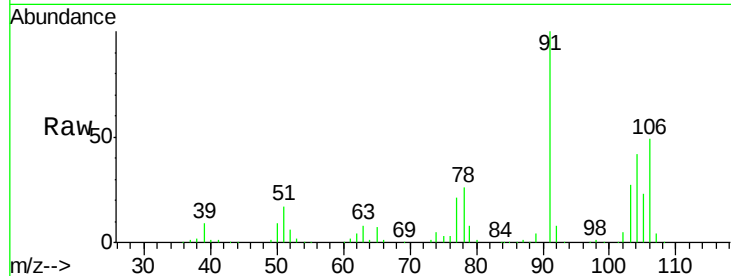
#69
o-Xylene
Concen: 20.094 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 68765
Ion Ratio Lower Upper
106 100
91 218.3 111.7 334.9

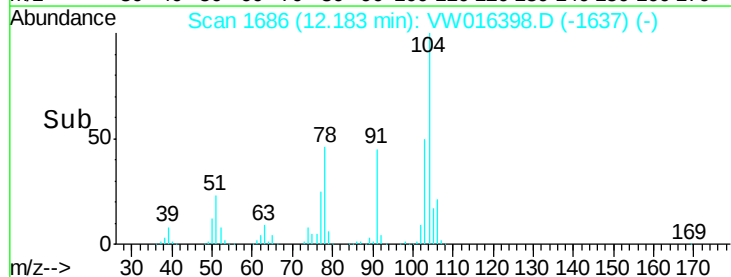
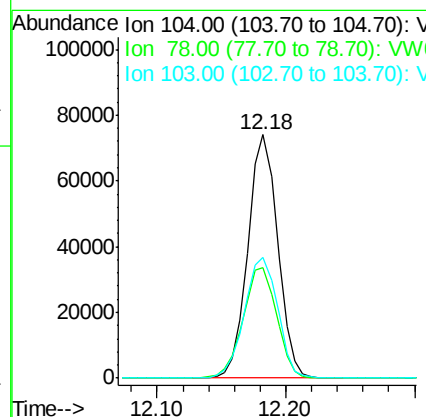
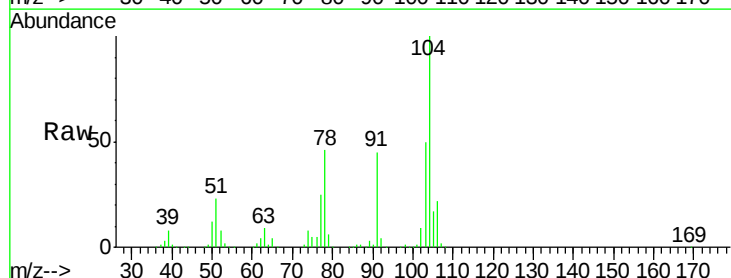
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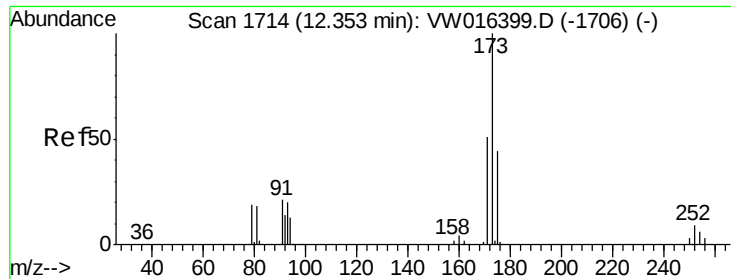
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#70
Styrene
Concen: 19.959 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion:104 Resp: 118263
Ion Ratio Lower Upper
104 100
78 51.4 41.7 62.5
103 55.5 42.9 64.3





#71

Bromoform

Concen: 22.538 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 20198

Ion Ratio Lower Upper

173 100

175 47.5 23.5 70.6

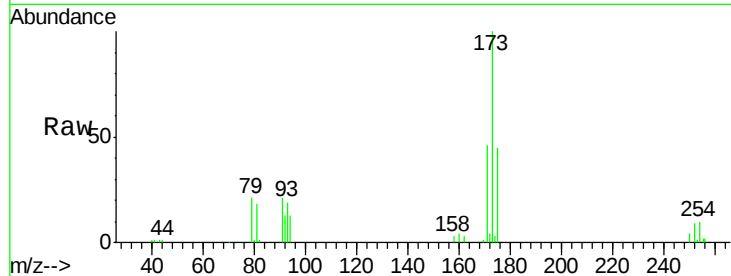
254 0.0 0.0 0.0

Manual Integrations

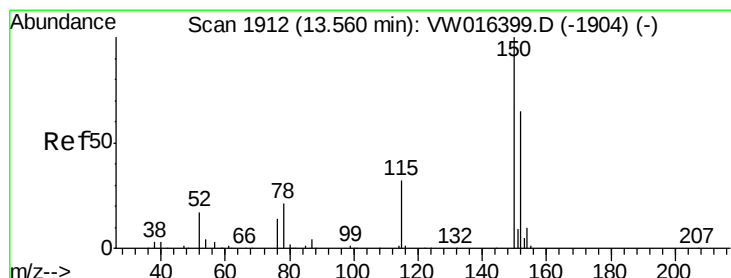
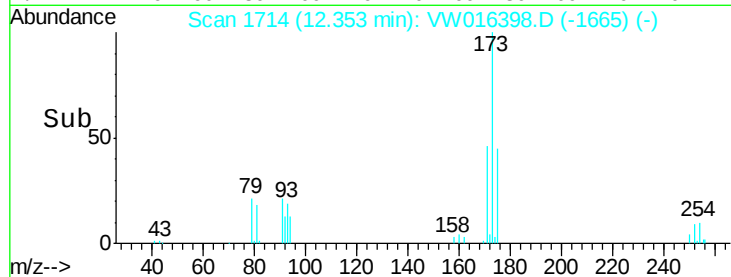
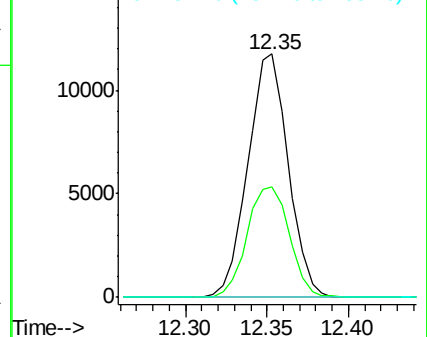
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

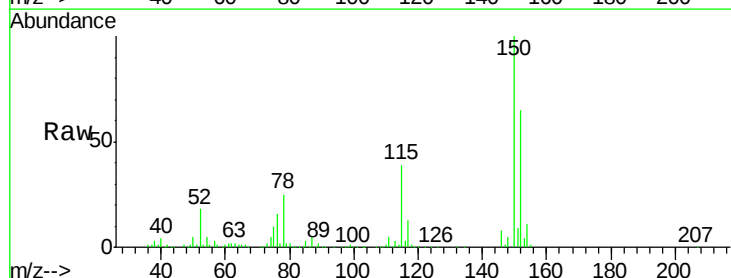
Tgt Ion:152 Resp: 134249

Ion Ratio Lower Upper

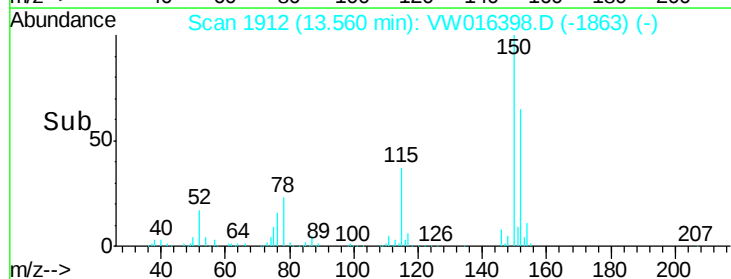
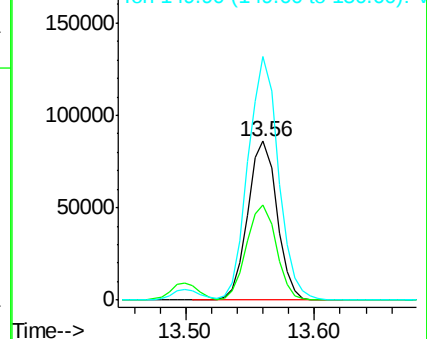
152 100

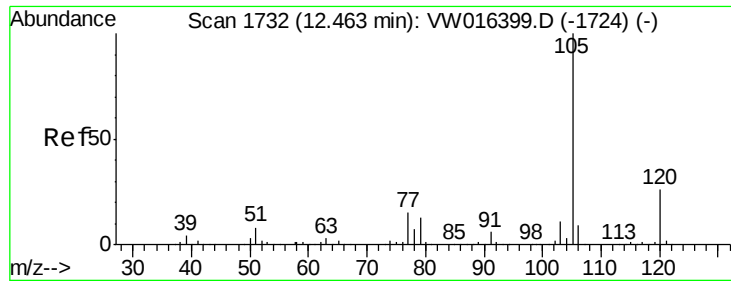
115 61.3 30.9 92.5

150 159.2 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: 19.016 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 194695

Ion Ratio Lower Upper

105 100

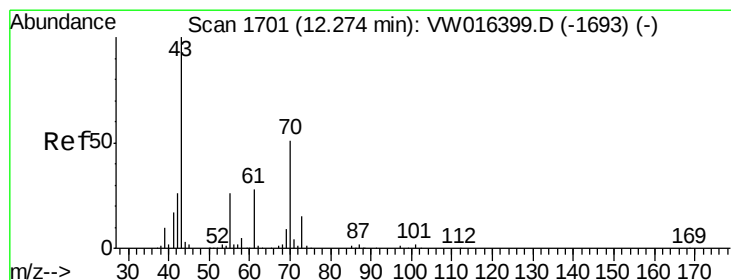
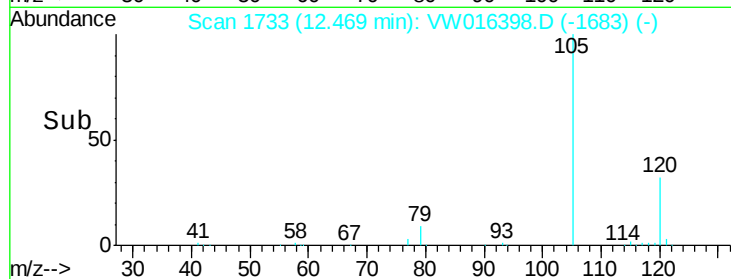
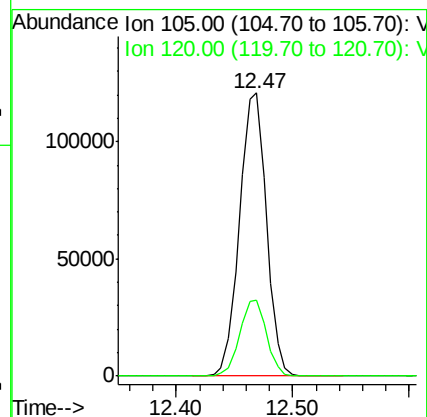
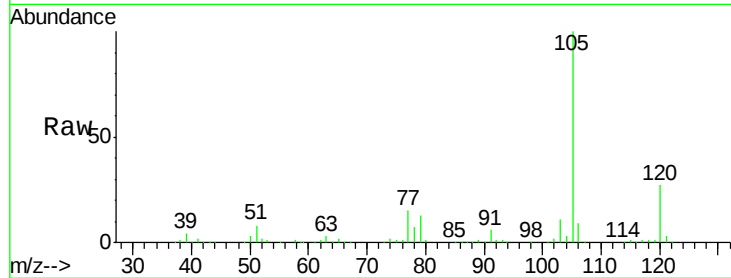
120 26.7 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.689 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Tgt Ion: 43 Resp: 31990

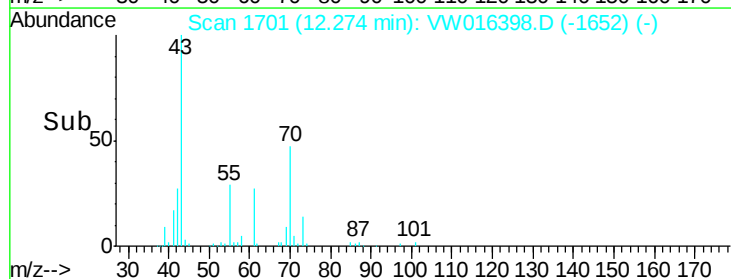
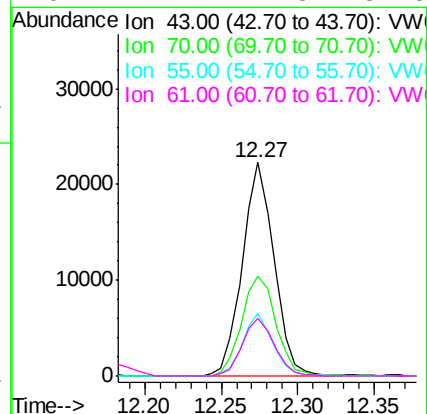
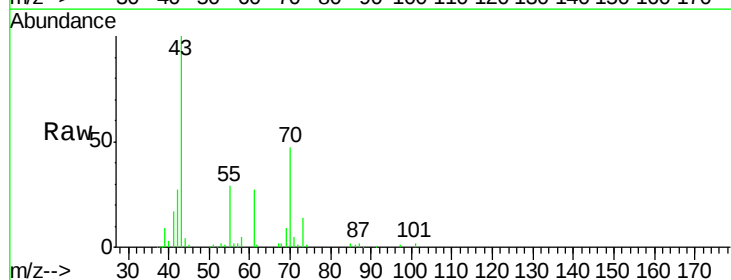
Ion Ratio Lower Upper

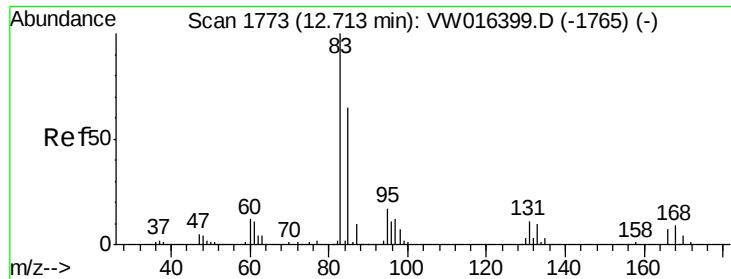
43 100

70 51.2 40.8 61.2

55 28.2 21.6 32.4

61 27.4 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.958 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

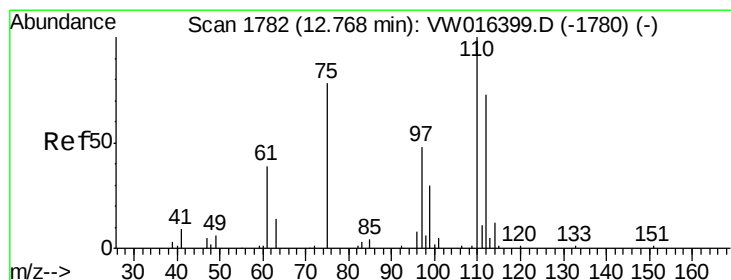
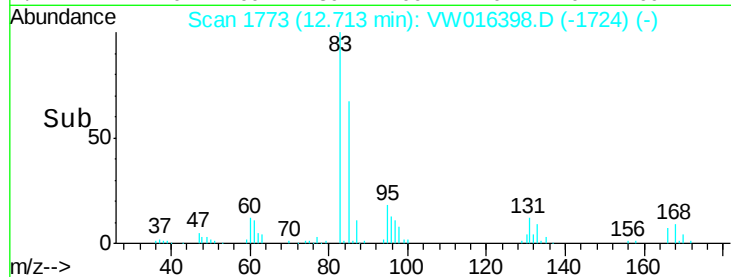
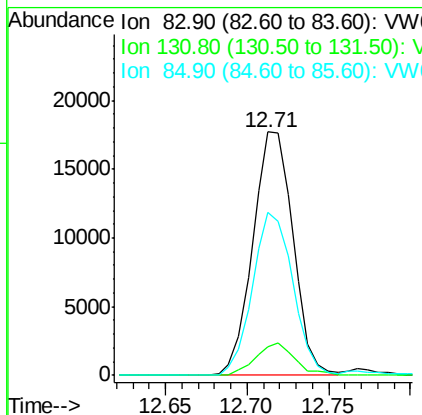
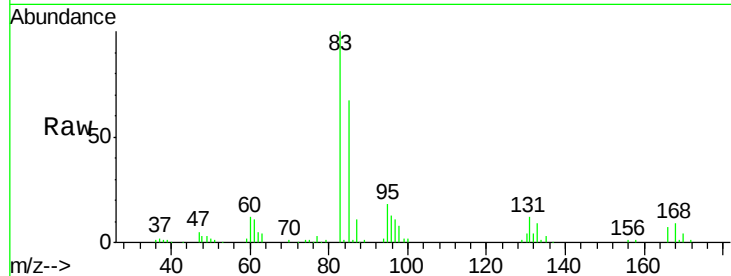
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	30460
Ion Ratio	Lower	Upper	
83	100		
131	13.0	5.9	17.8
85	67.3	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 17.915 ug/l m

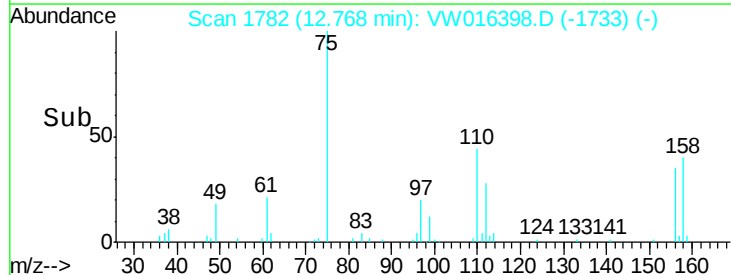
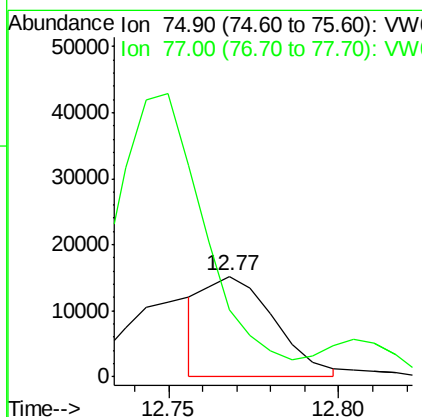
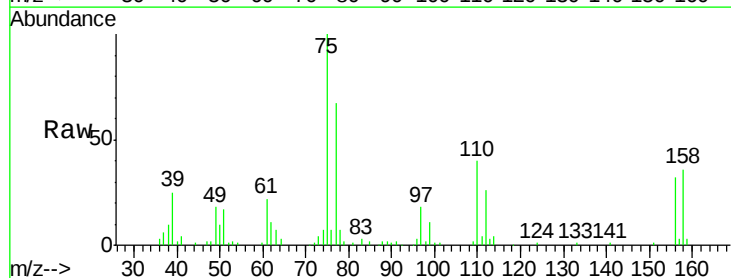
RT: 12.77 min Scan# 1782

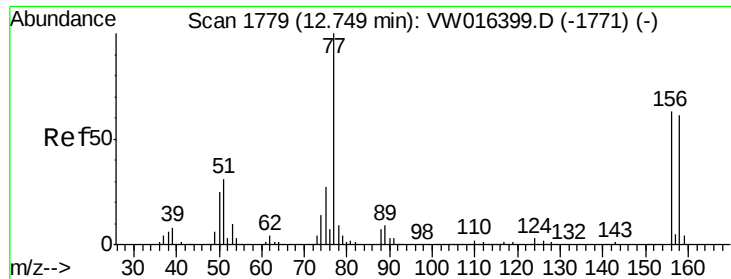
Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Tgt Ion:	75	Resp:	21983
Ion Ratio	Lower	Upper	
75	100		
77	362.3	173.4	520.2





#77

Bromobenzene

Concen: 19.307 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 44140

Ion Ratio Lower Upper

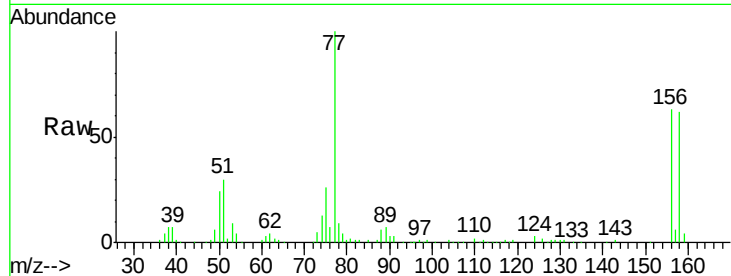
156 100

77 180.4 90.0 269.9

158 98.7 47.3 141.8

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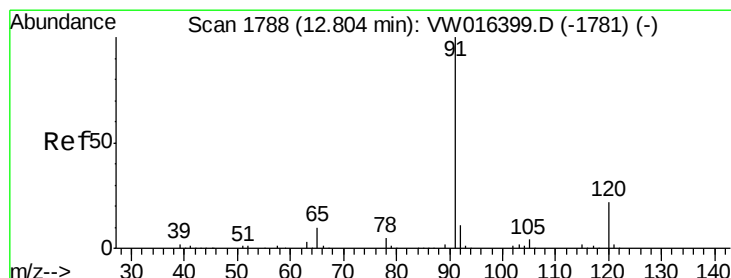
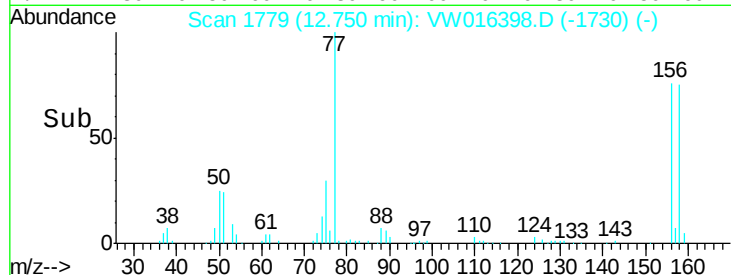
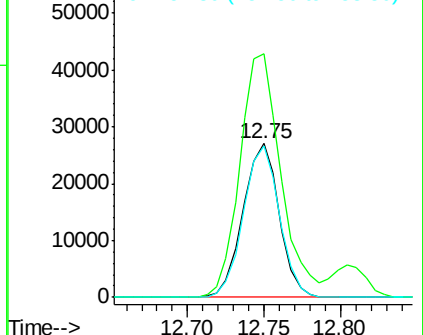
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.808 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016398.D

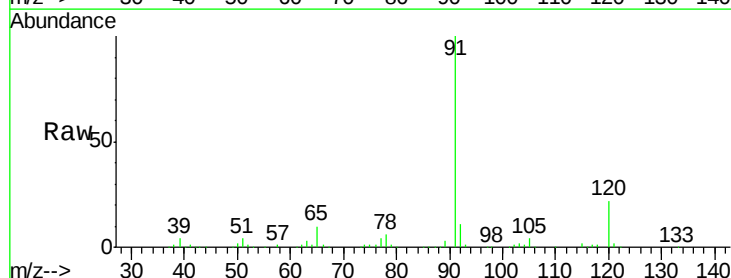
Acq: 28 Aug 2020 13:20

Tgt Ion: 91 Resp: 228986

Ion Ratio Lower Upper

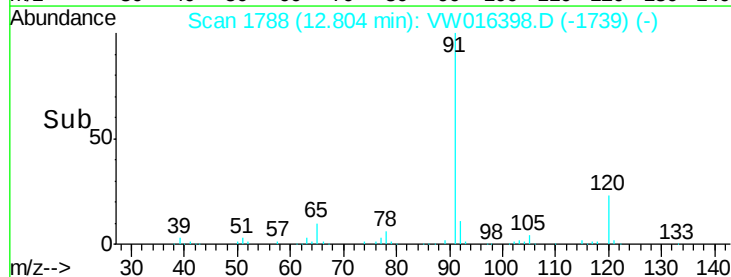
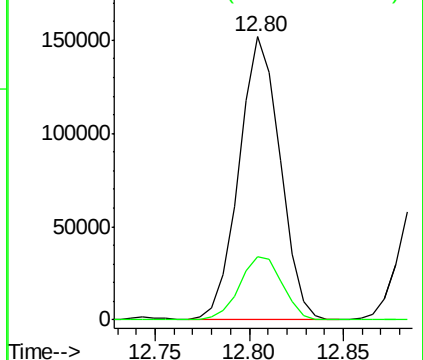
91 100

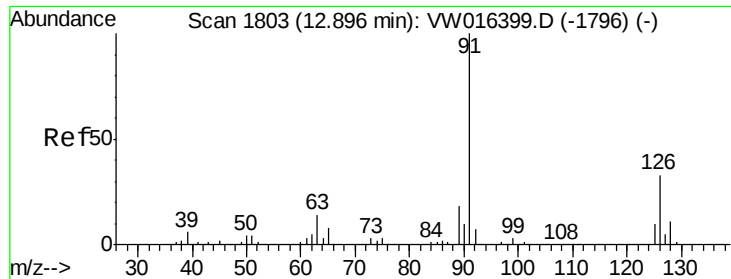
120 23.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





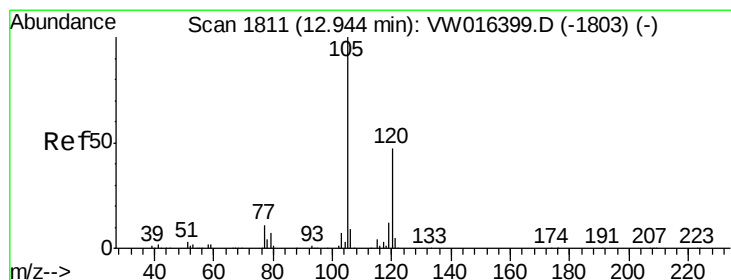
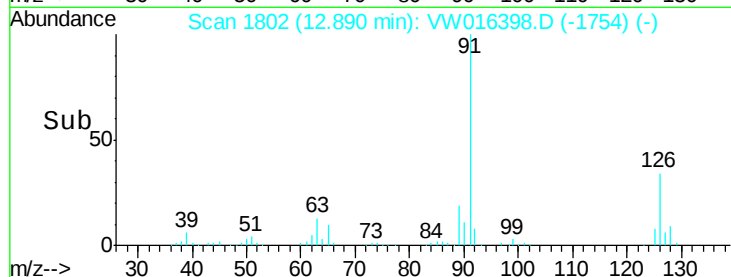
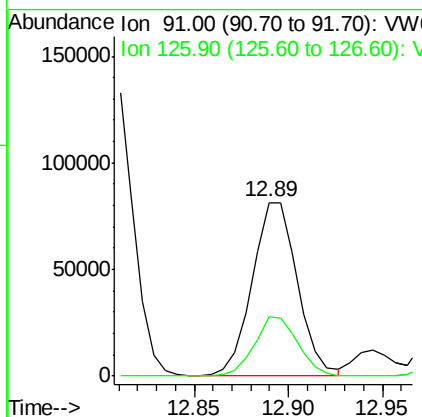
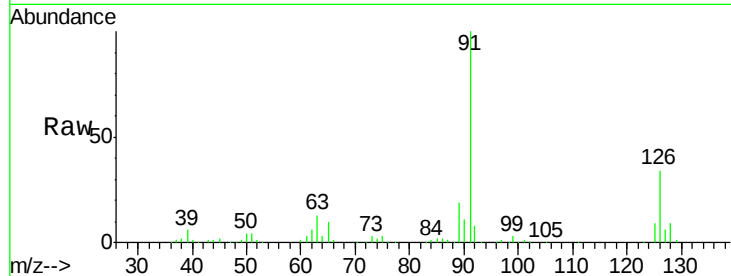
#79
2-Chlorotoluene
Concen: 19.154 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 135048
Ion Ratio Lower Upper
91 100
126 33.3 16.4 49.1

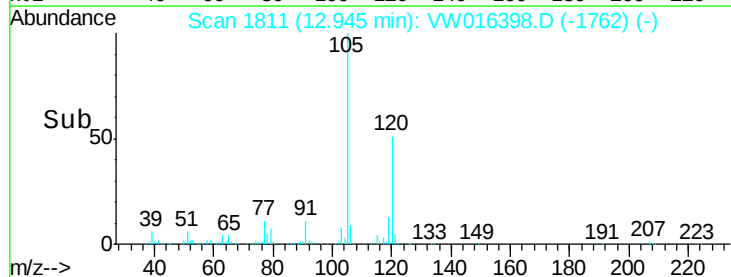
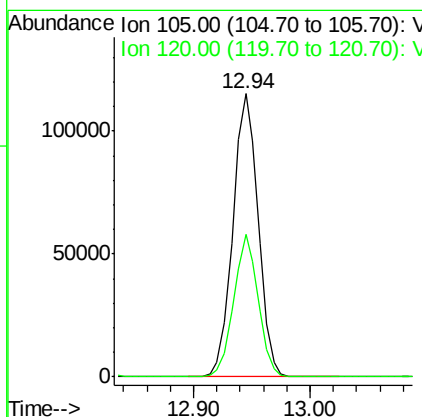
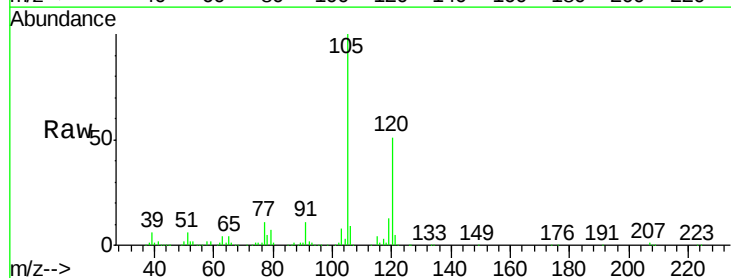
Manual Integrations
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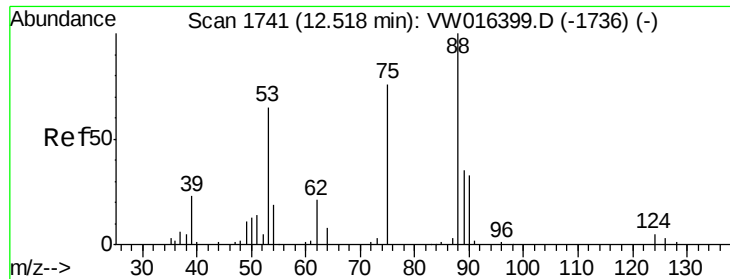
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#80
1,3,5-Trimethylbenzene
Concen: 19.714 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion: 105 Resp: 174038
Ion Ratio Lower Upper
105 100
120 48.6 23.8 71.2





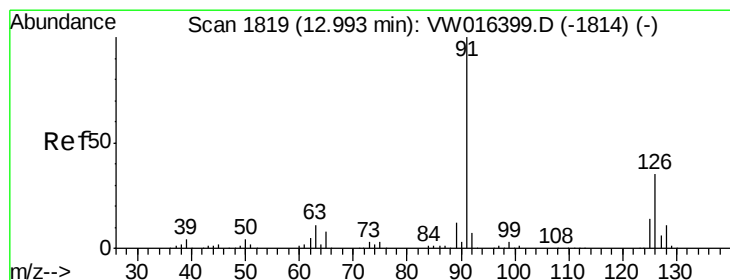
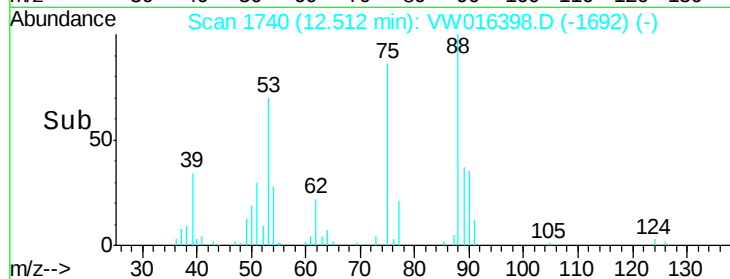
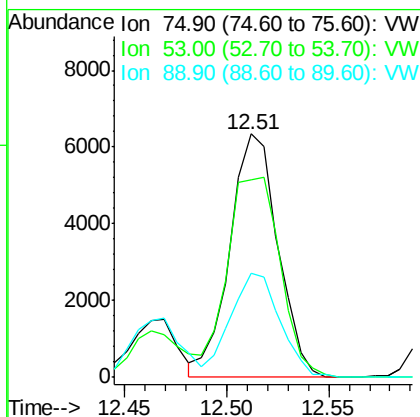
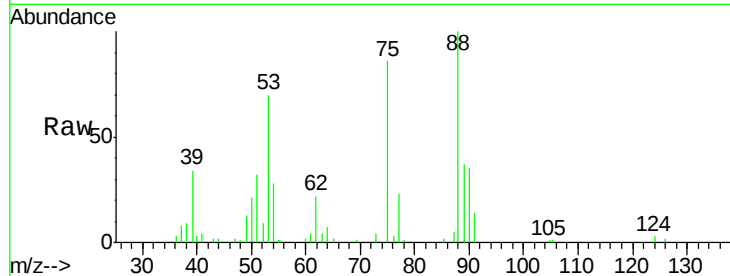
#81
trans-1,4-Dichloro-2-butene
Concen: 20.174 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	75.2	112.8
89	44.2	40.4	60.6

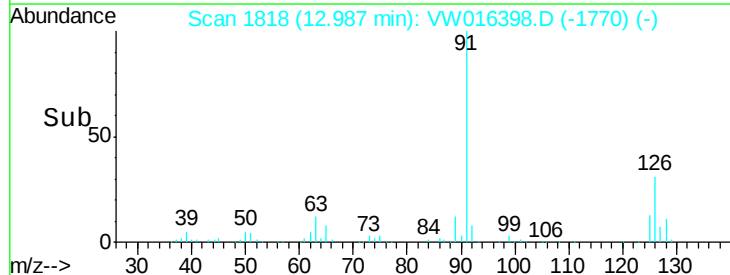
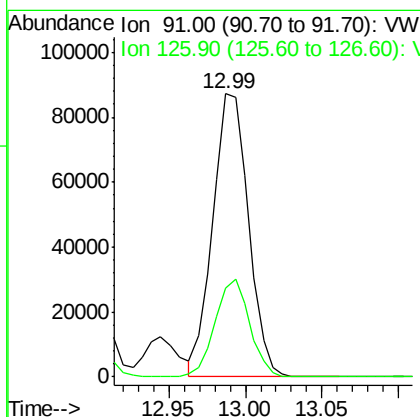
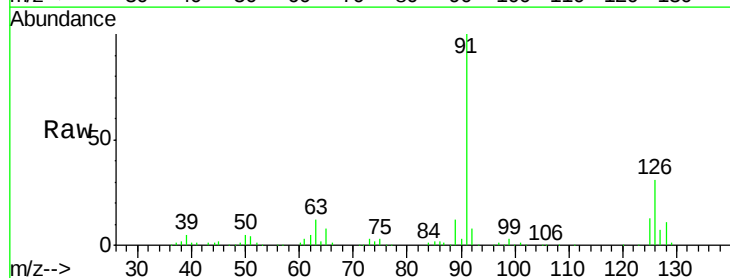
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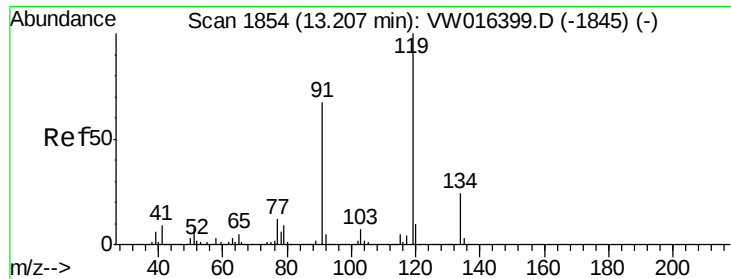
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#82
4-Chlorotoluene
Concen: 19.329 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.0	50.9





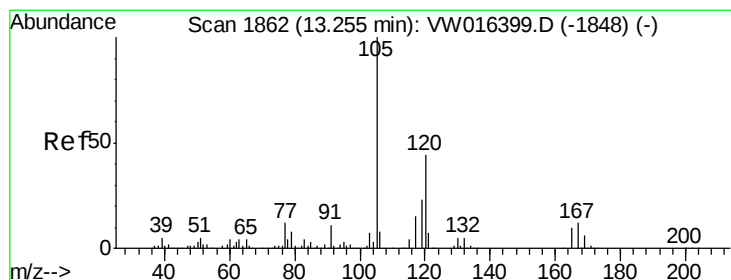
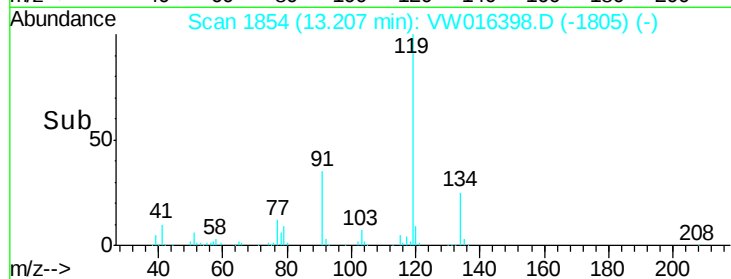
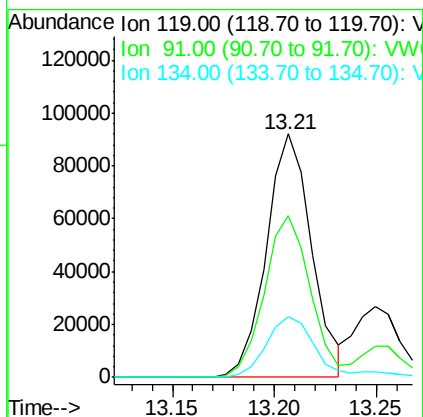
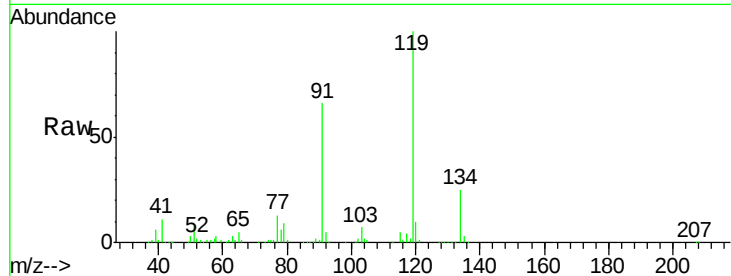
#83
 tert-Butylbenzene
 Concen: 19.680 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	34.1	102.3
134	26.0	12.3	36.8

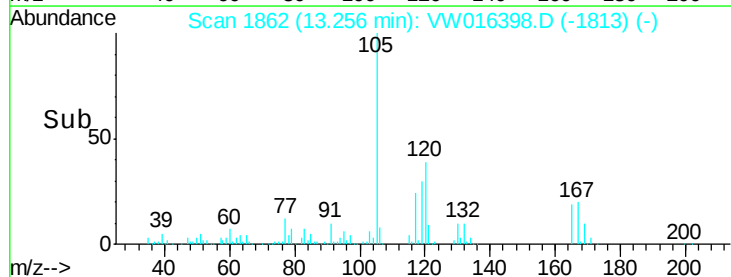
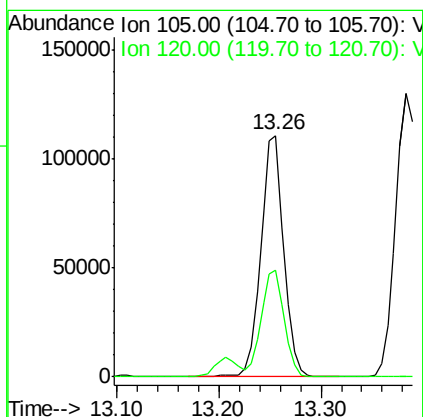
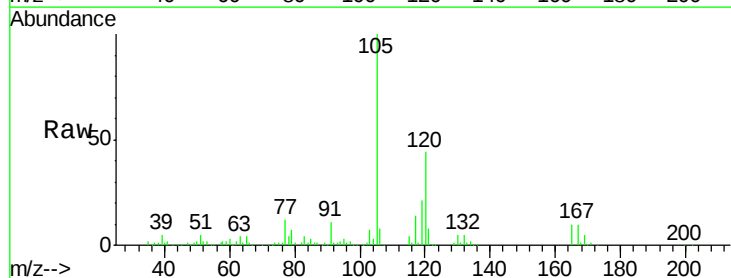
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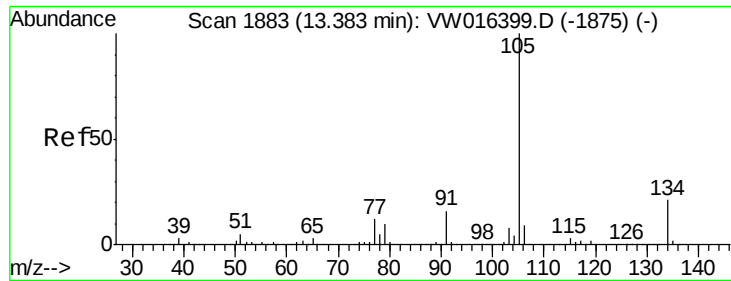
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.946 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





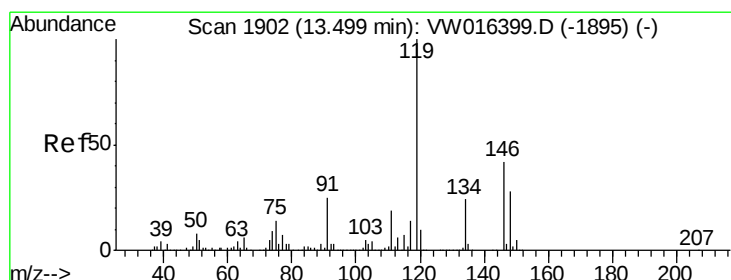
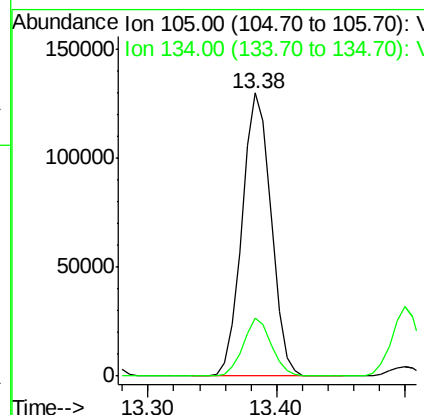
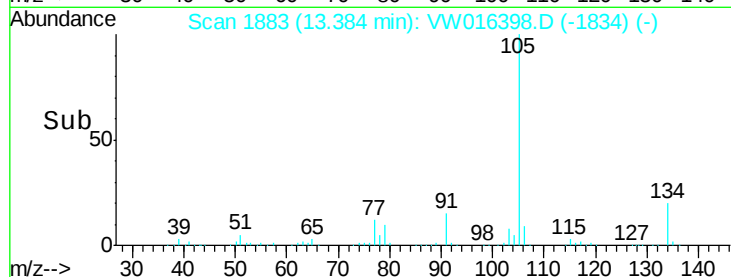
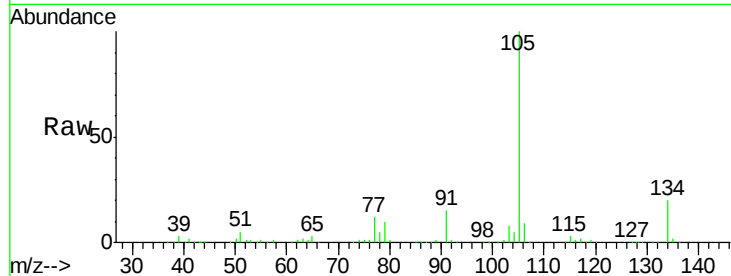
#85
 sec-Butylbenzene
 Concen: 19.390 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	30.0

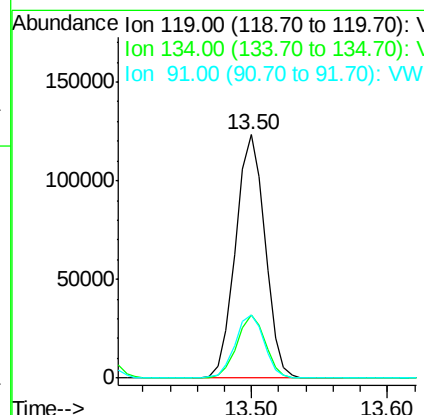
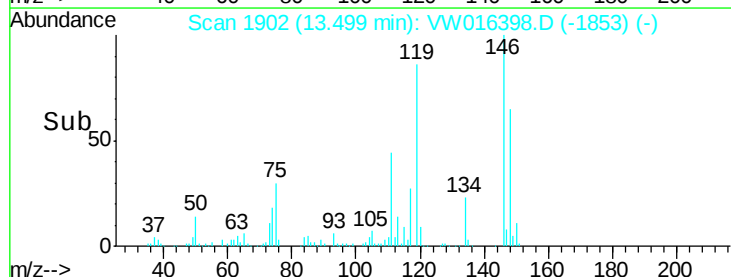
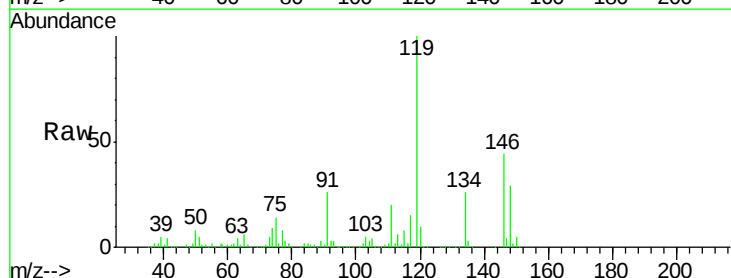
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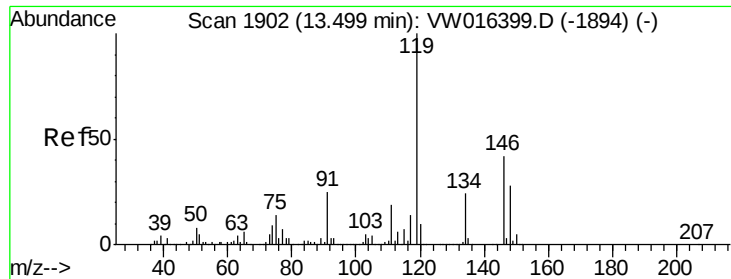
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#86
 p-Isopropyltoluene
 Concen: 19.496 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.6
91	26.0	12.2	36.4





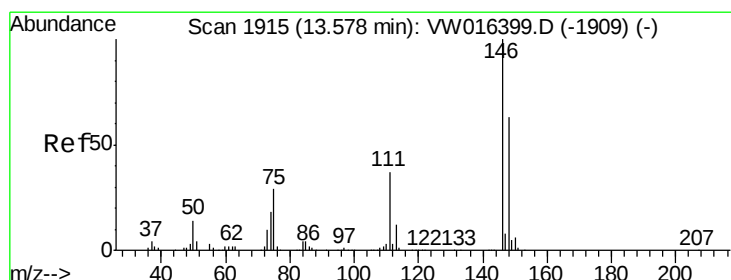
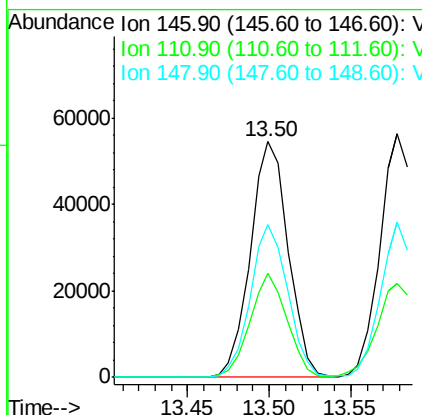
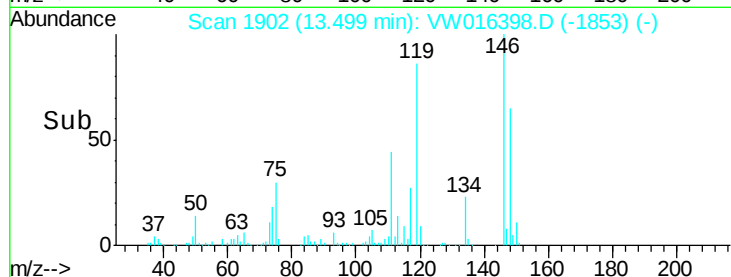
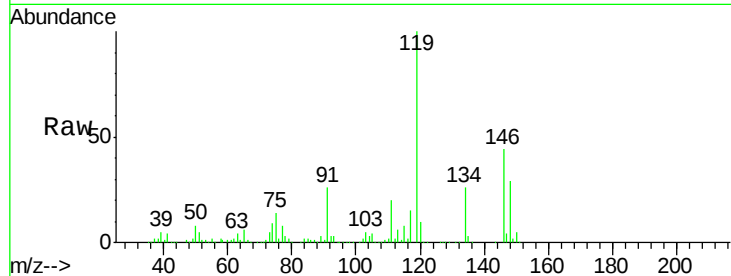
#87
 1,3-Dichlorobenzene
 Concen: 19.559 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.6	67.8
148	64.0	33.6	100.8

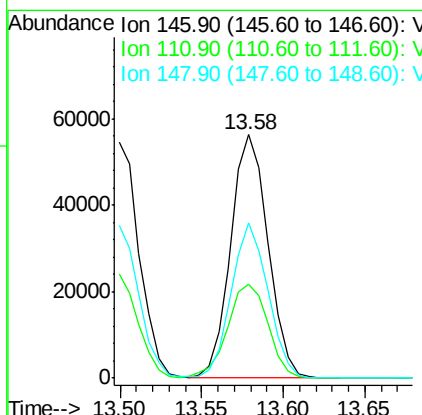
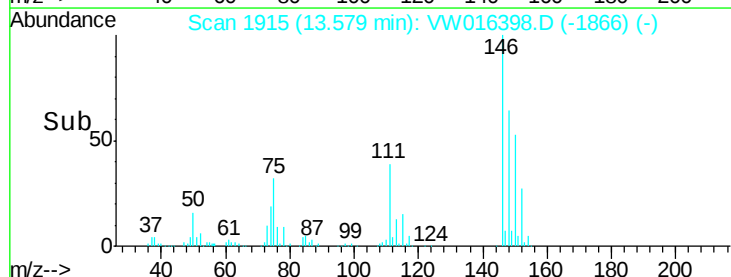
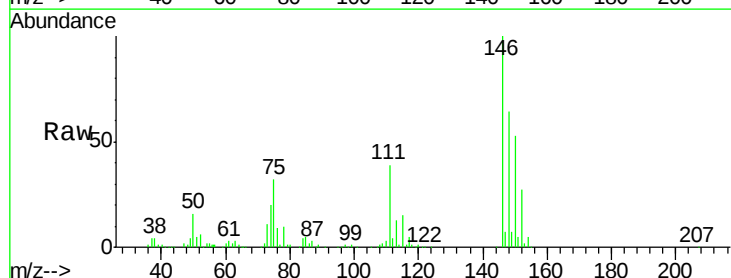
Manual Integrations
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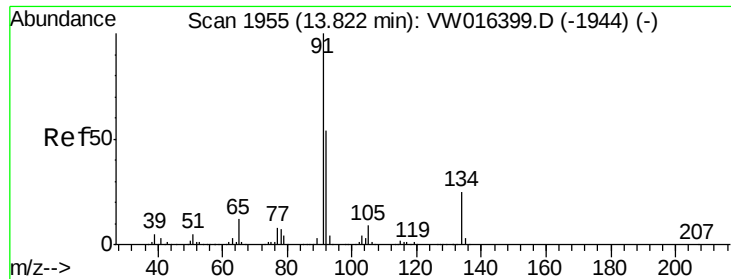
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#88
 1,4-Dichlorobenzene
 Concen: 20.059 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.3
148	63.0	32.0	96.2





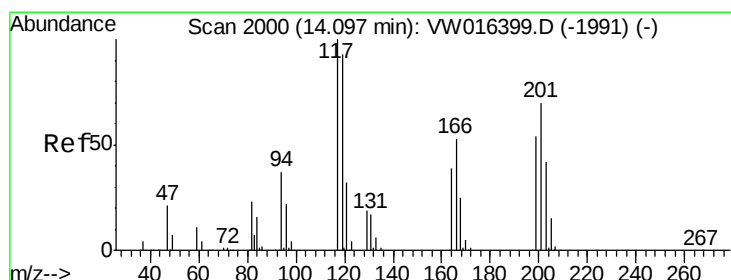
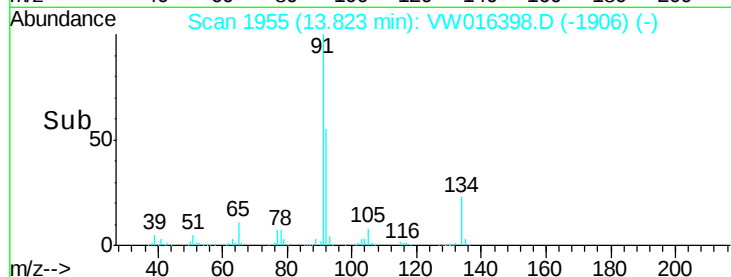
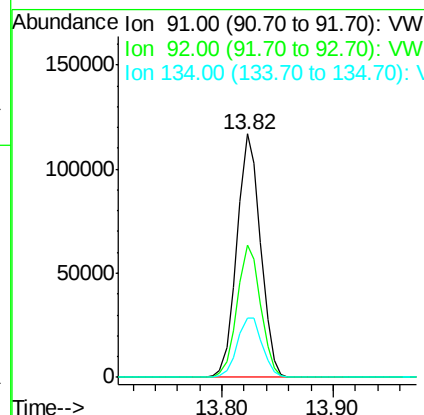
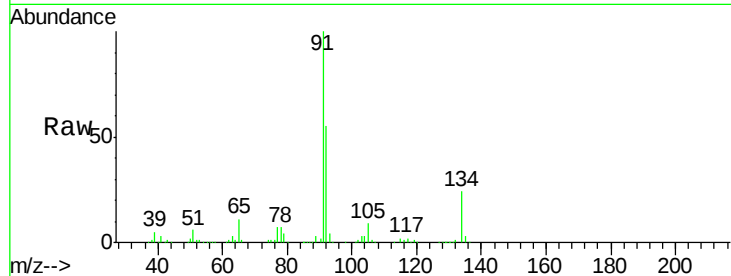
#89
n-Butylbenzene
Concen: 19.610 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	171592		
92	54.2	26.8	80.4	
134	25.9	13.2	39.6	

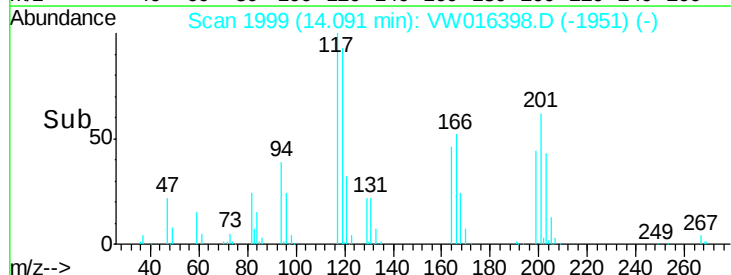
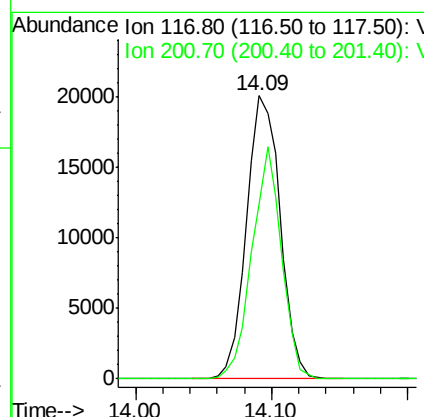
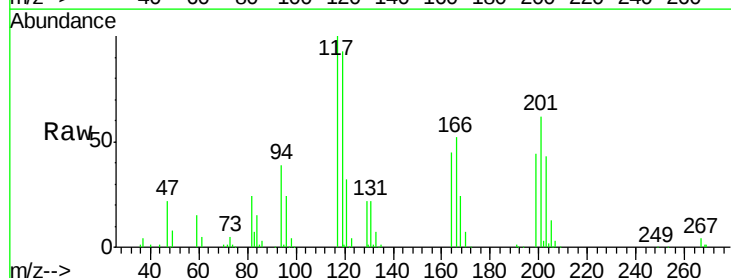
Manual Integrations
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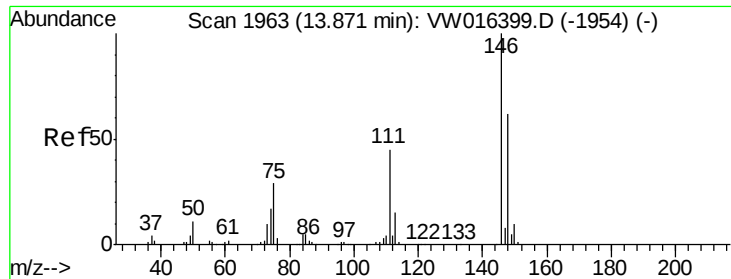
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#90
Hexachloroethane
Concen: 19.676 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34934		
201	71.7	35.9	107.7	





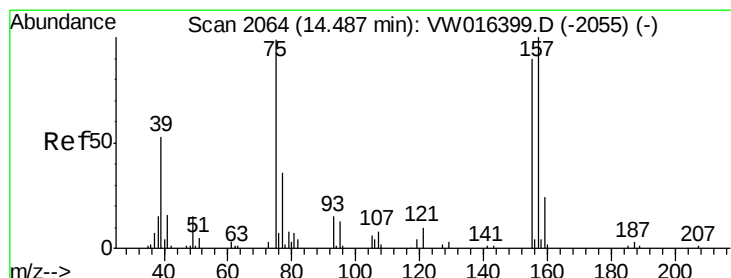
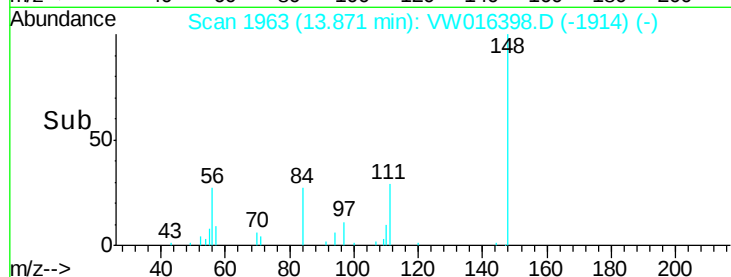
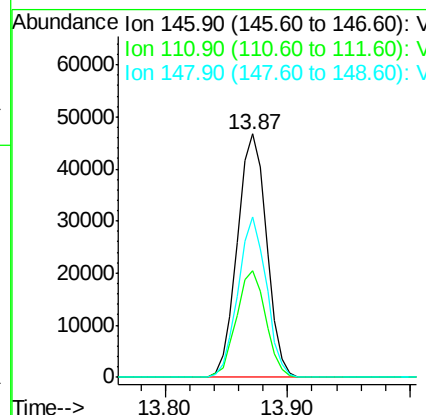
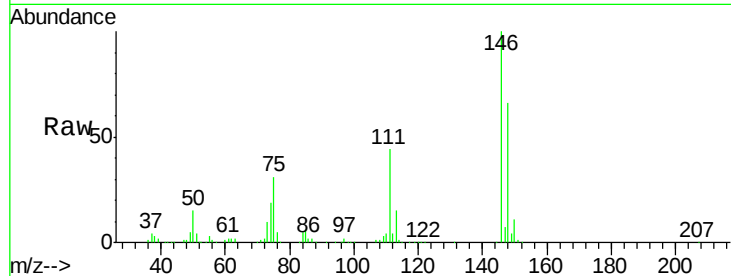
#91
 1,2-Dichlorobenzene
 Concen: 19.442 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.3	66.8
148	63.8	32.0	96.0

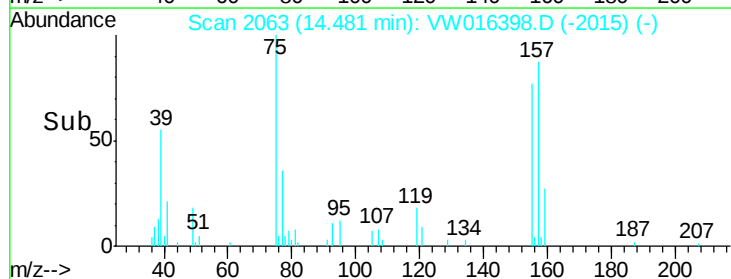
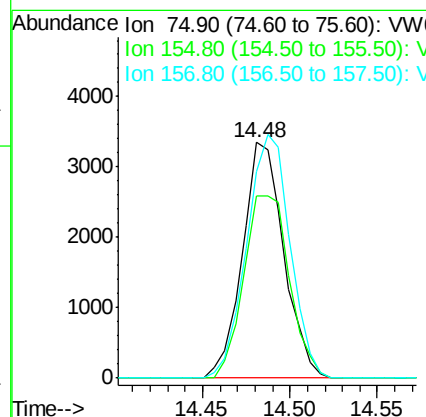
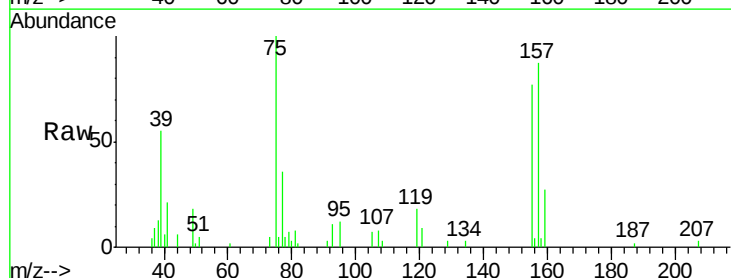
Manual Integrations
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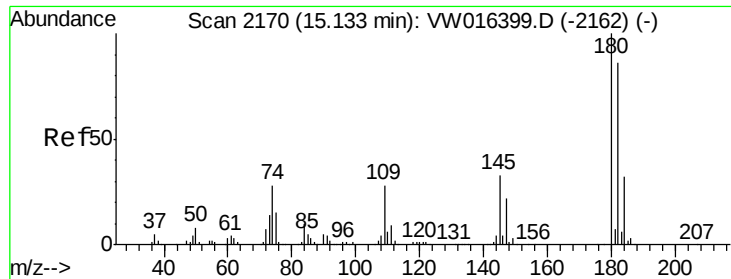
MMDadoda
 8/31/2020 11:59:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.601 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW016398.D
 Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	41.4	124.4
157	108.2	52.1	156.4





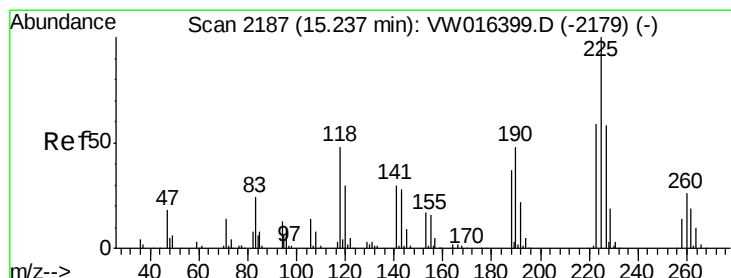
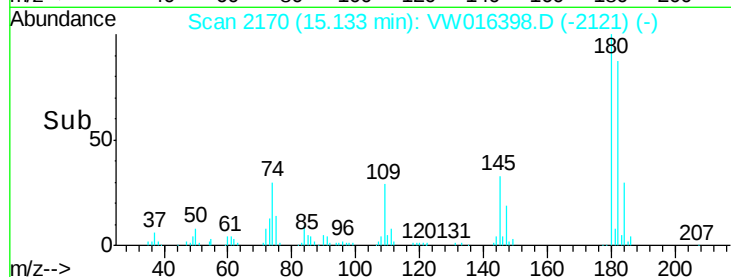
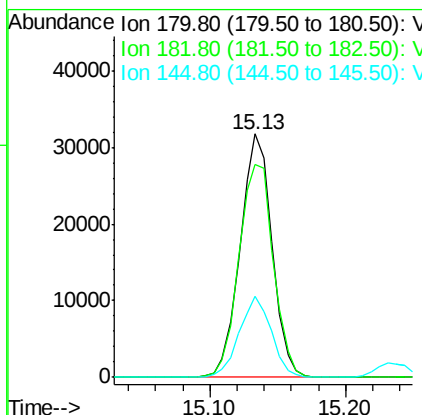
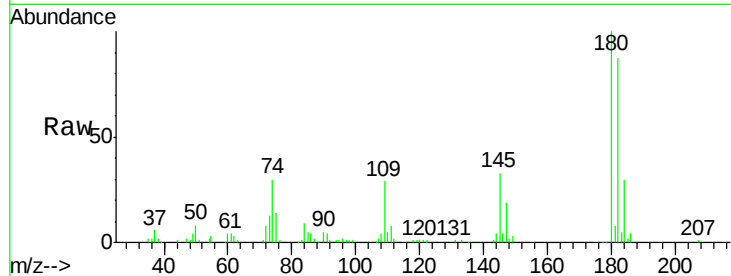
#93
1,2,4-Trichlorobenzene
Concen: 21.595 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	44.9	134.7
145	33.5	17.1	51.2

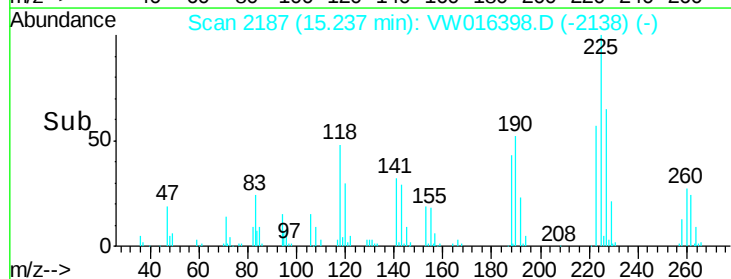
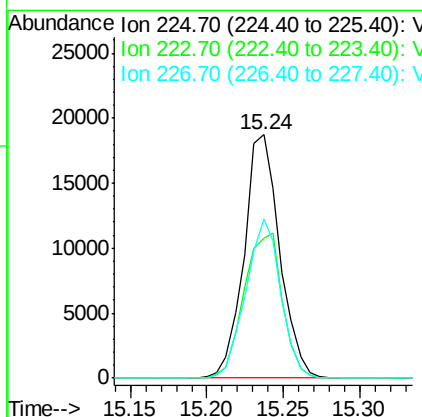
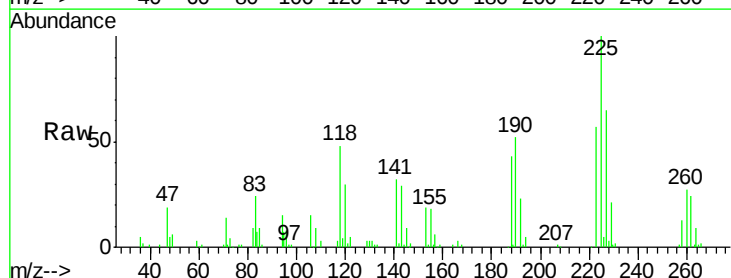
Manual Integrations
APPROVED

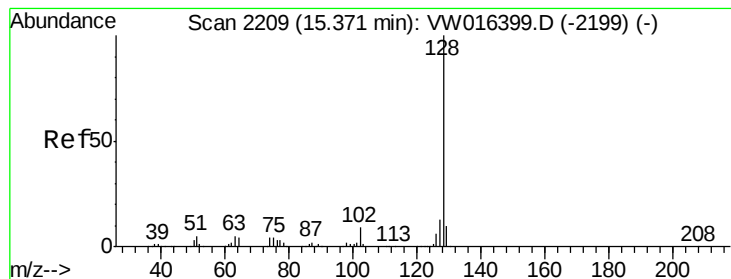
MMDadoda
8/31/2020 11:59:28 AM



#94
Hexachlorobutadiene
Concen: 20.868 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW016398.D
Acq: 28 Aug 2020 13:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	30.5	91.5
227	64.1	30.7	92.1





#95

Naphthalene

Concen: 20.297 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Instrument :

MSVOA_W

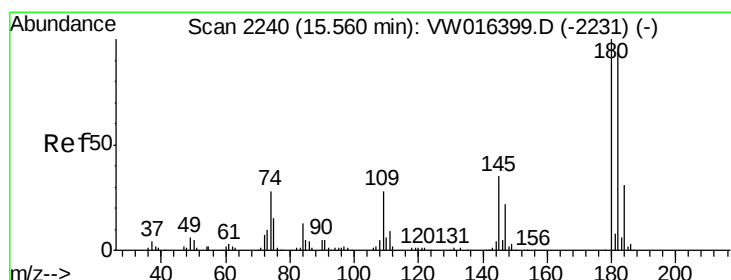
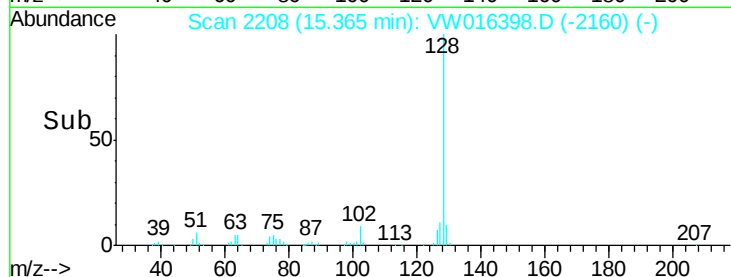
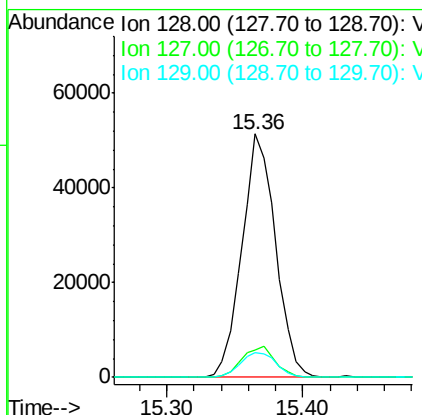
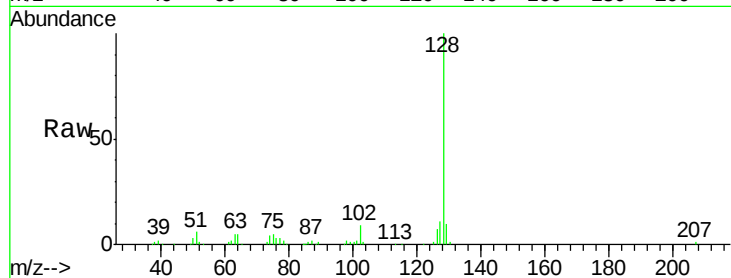
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	88984
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:59:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.799 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016398.D

Acq: 28 Aug 2020 13:20

Tgt Ion:	180	Resp:	44807
Ion Ratio	Lower	Upper	
180	100		
182	96.4	46.5	139.5
145	34.6	18.1	54.3

