

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011512.D
 Acq On : 26 Jul 2019 12:50
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:17:43 AM

Quant Time: Jul 27 00:21:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	147866	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
35) Dibromofluoromethane	7.88	113	119538	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	10.32	98	486089	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.62	95	173669	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	72383	51.808	ug/l	100
3) Chloromethane	2.21	50	118054	48.729	ug/l	100
4) Vinyl Chloride	2.36	62	153079	52.483	ug/l	100
5) Bromomethane	2.78	94	82154	50.887	ug/l	100
6) Chloroethane	2.92	64	88331	53.017	ug/l	100
7) Trichlorofluoromethane	3.26	101	70580	54.145	ug/l	100
8) Diethyl Ether	3.68	74	79300	53.655	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	132588	53.620	ug/l	100
10) Methyl Iodide	4.28	142	190852	54.616	ug/l	100
11) Tert butyl alcohol	5.17	59	54013	223.501	ug/l	100
12) 1,1-Dichloroethene	4.04	96	139236	53.330	ug/l	100
13) Acrolein	3.89	56	51011	246.965	ug/l	100
14) Allyl chloride	4.67	41	298281	53.715	ug/l	100
15) Acrylonitrile	5.37	53	198989	269.714	ug/l	100
16) Acetone	4.12	43	243869	266.323	ug/l	100
17) Carbon Disulfide	4.39	76	442990	54.211	ug/l	100
18) Methyl Acetate	4.67	43	110862	53.893	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	227538	54.920	ug/l	100
20) Methylene Chloride	4.92	84	157123	49.753	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	148325	52.695	ug/l	100
22) Diisopropyl ether	6.31	45	559879	53.477	ug/l	100
23) Vinyl Acetate	6.26	43	1808755	274.947	ug/l	100
24) 1,1-Dichloroethane	6.21	63	298830	53.295	ug/l	100
25) 2-Butanone	7.17	43	330953	276.207	ug/l	100
26) 2,2-Dichloropropane	7.17	77	170729	49.511	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	163425	52.753	ug/l	100
28) Bromochloromethane	7.51	49	120337	48.352	ug/l	100
29) Tetrahydrofuran	7.53	42	187082	273.150	ug/l	100
30) Chloroform	7.68	83	269847	52.165	ug/l	100
31) Cyclohexane	7.95	56	276517	51.375	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	211185	53.606	ug/l	100
36) 1,1-Dichloropropene	8.08	75	226724	53.642	ug/l	100
37) Ethyl Acetate	7.25	43	132294	54.405	ug/l	100
38) Carbon Tetrachloride	8.07	117	195254	53.964	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	251777	54.099	ug/l	100
40) Benzene	8.32	78	625296	52.817	ug/l	100
41) Methacrylonitrile	7.48	41	77405	53.251	ug/l	100
42) 1,2-Dichloroethane	8.40	62	197739	53.348	ug/l	100
43) Isopropyl Acetate	8.42	43	244710	54.720	ug/l	100
44) Trichloroethene	9.09	130	151155	53.122	ug/l	100
45) 1,2-Dichloropropane	9.37	63	169944	53.649	ug/l	100
46) Dibromomethane	9.46	93	77613	53.682	ug/l	100
47) Bromodichloromethane	9.64	83	203841	53.748	ug/l	100
48) Methyl methacrylate	9.43	41	119832	55.783	ug/l	100
49) 1,4-Dioxane	9.45	88	22986	1098.011	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	644210	276.946	ug/l	100
52) Toluene	10.39	92	381715	53.391	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	217098	54.799	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	257847	54.739	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	110579	53.905	ug/l	100
56) Ethyl methacrylate	10.65	69	169375	56.424	ug/l	100
57) 1,3-Dichloropropane	10.93	76	210397	54.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	380768	279.372	ug/l	100
59) 2-Hexanone	10.97	43	470312	286.358	ug/l	100
60) Dibromochloromethane	11.13	129	124447	54.652	ug/l	100
61) 1,2-Dibromoethane	11.24	107	105253	54.218	ug/l	100
64) Tetrachloroethene	10.86	164	121633	52.086	ug/l	100
65) Chlorobenzene	11.66	112	380871	52.821	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	135995	54.146	ug/l	100
67) Ethyl Benzene	11.73	91	740480	53.920	ug/l	100
68) m/p-Xylenes	11.84	106	536105	107.344	ug/l	100
69) o-Xylene	12.16	106	252943	54.502	ug/l	100
70) Styrene	12.18	104	437096	54.472	ug/l	100
71) Bromoform	12.35	173	72108	56.308	ug/l #	100
73) Isopropylbenzene	12.46	105	692044	53.635	ug/l	100
74) N-amyl acetate	12.27	43	227271	56.261	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	132607	54.638	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	92784m	50.533	ug/l	
77) Bromobenzene	12.75	156	154005	54.001	ug/l	100
78) n-propylbenzene	12.80	91	843660	53.727	ug/l	100
79) 2-Chlorotoluene	12.89	91	481059	53.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	586720	54.247	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44952	56.610	ug/l	100
82) 4-Chlorotoluene	12.99	91	509867	53.718	ug/l	100
83) tert-Butylbenzene	13.21	119	490991	54.285	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	586821	53.860	ug/l	100
85) sec-Butylbenzene	13.38	105	697027	54.010	ug/l	100
86) p-Isopropyltoluene	13.50	119	633498	54.102	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	299337	53.530	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	293678	52.794	ug/l	100
89) n-Butylbenzene	13.82	91	632047	54.089	ug/l	100
90) Hexachloroethane	14.09	117	112821	54.488	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	263867	53.352	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23080	55.767	ug/l	100

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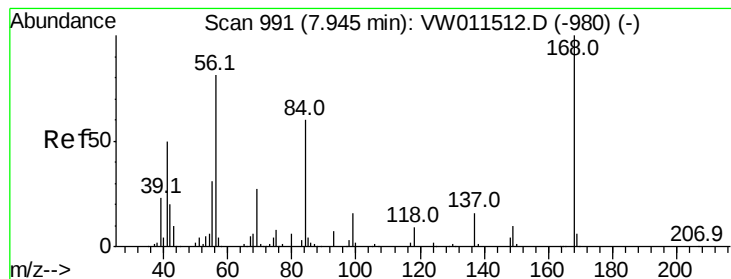
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	189813	54.455	ug/l	100
94) Hexachlorobutadiene	15.24	225	116071	53.397	ug/l	100
95) Naphthalene	15.37	128	361150	58.438	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	167032	54.668	ug/l	100

(#) = 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. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 250692

Ion Ratio Lower Upper

168 100

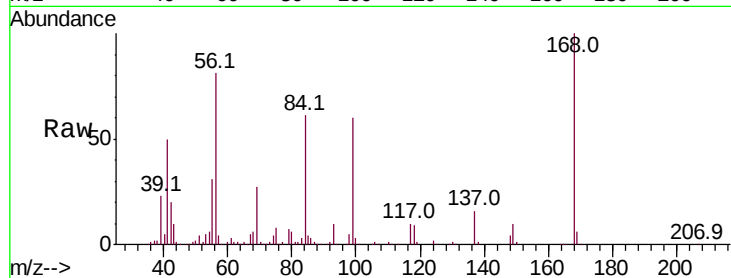
99 60.3 48.2 72.4

Manual Integrations

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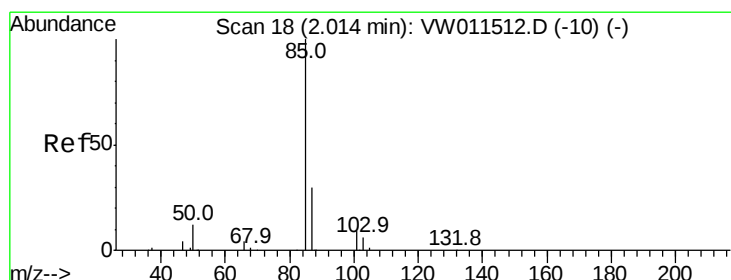
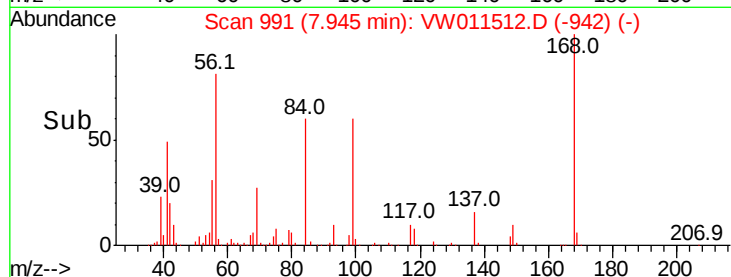
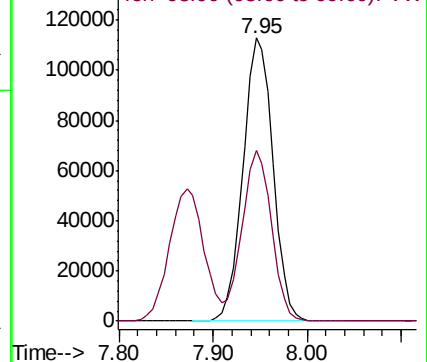
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.808 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW011512.D

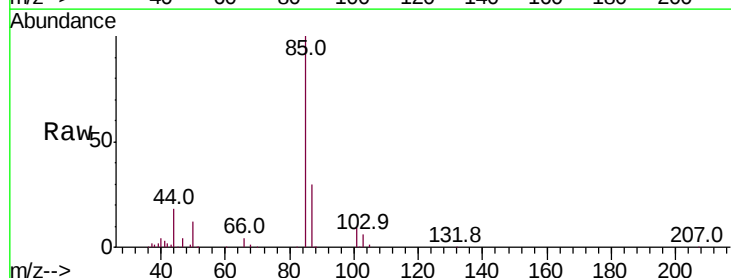
Acq: 26 Jul 2019 12:50

Tgt Ion: 85 Resp: 72383

Ion Ratio Lower Upper

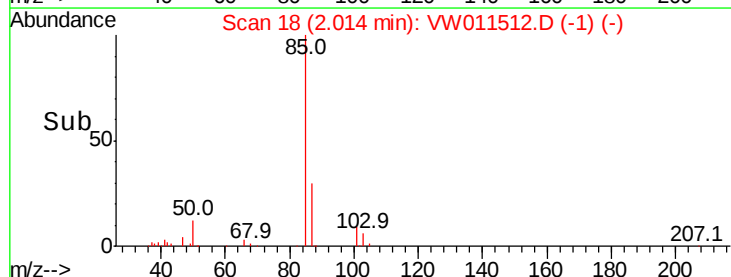
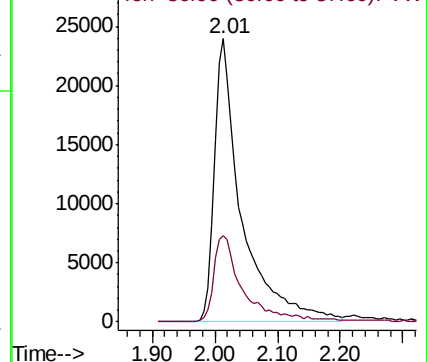
85 100

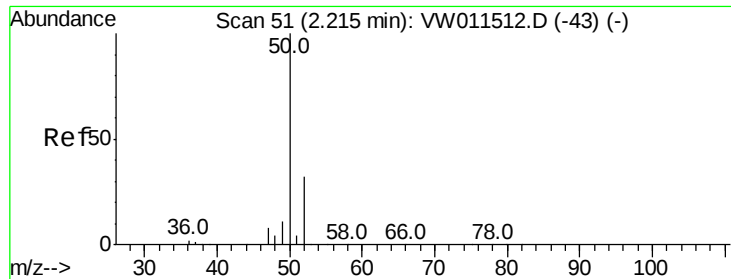
87 30.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.729 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 118054

Ion Ratio Lower Upper

50 100

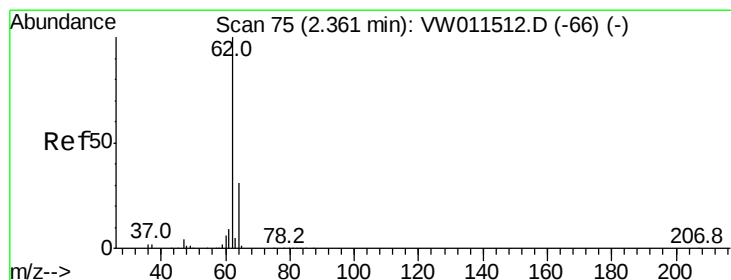
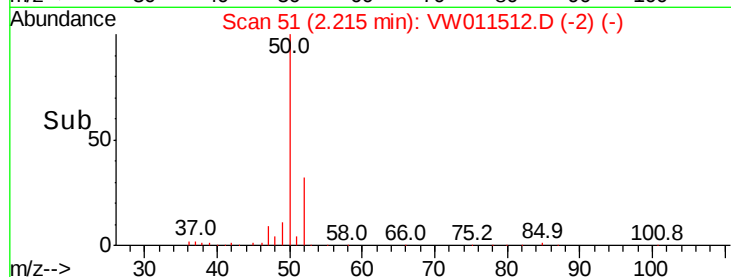
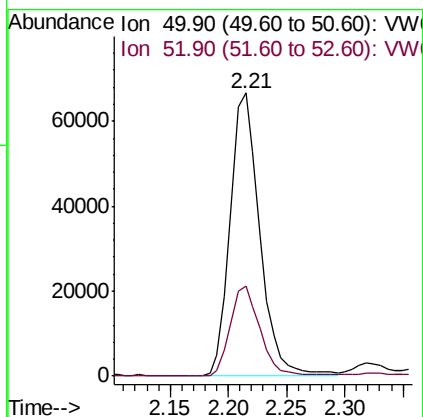
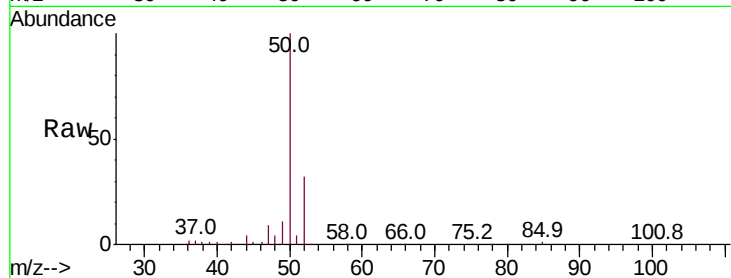
52 31.8 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.483 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011512.D

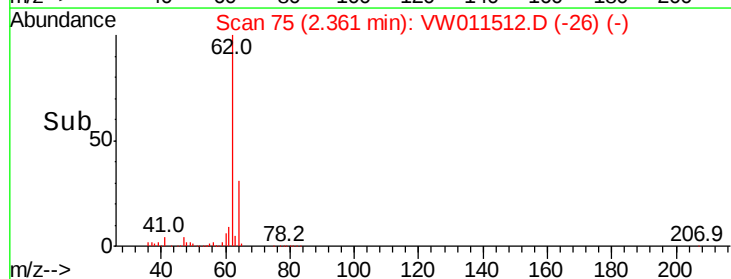
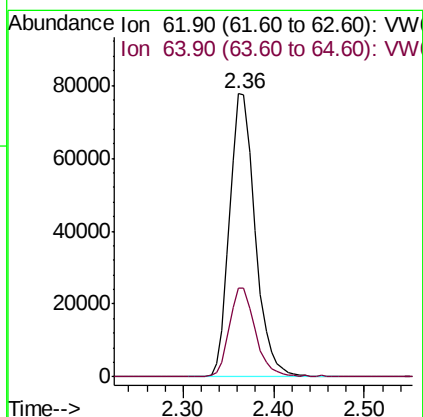
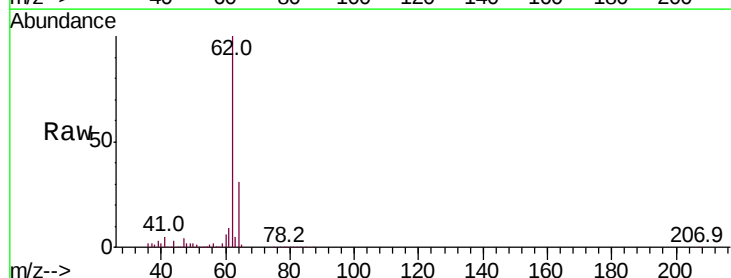
Acq: 26 Jul 2019 12:50

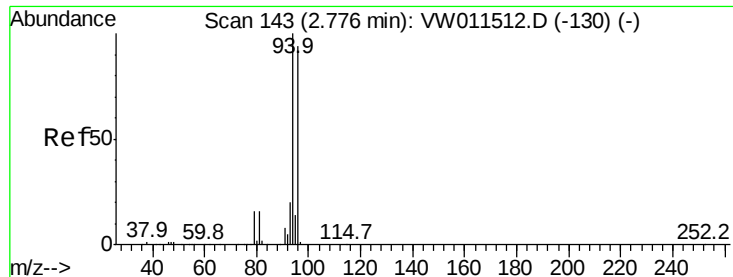
Tgt Ion: 62 Resp: 153079

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 50.887 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 82154

Ion Ratio Lower Upper

94 100

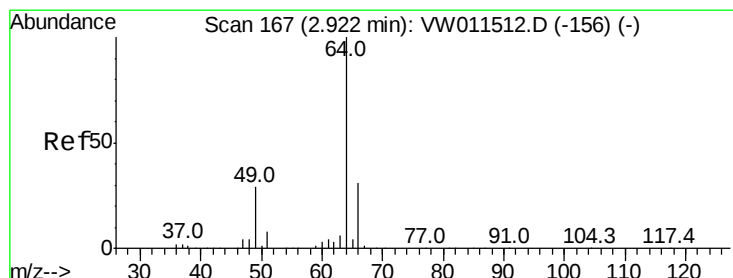
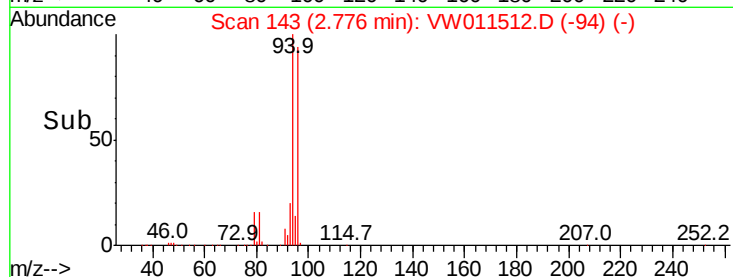
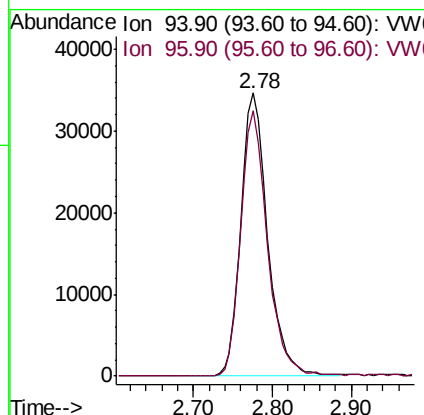
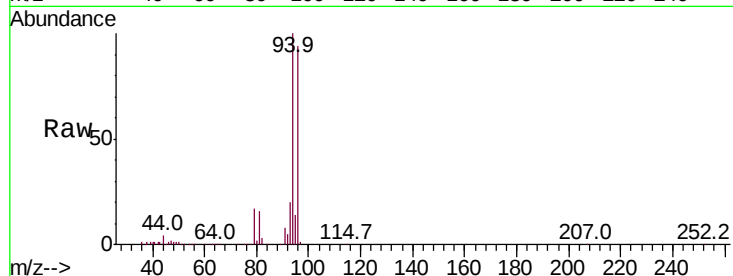
96 93.8 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 53.017 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011512.D

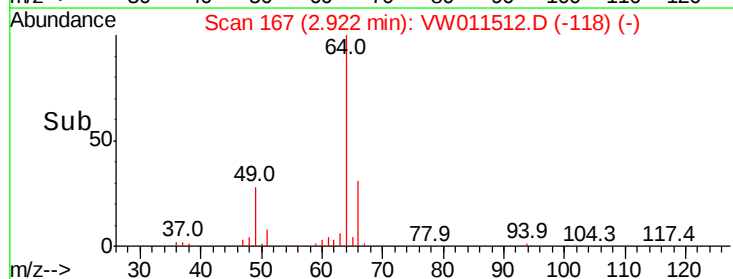
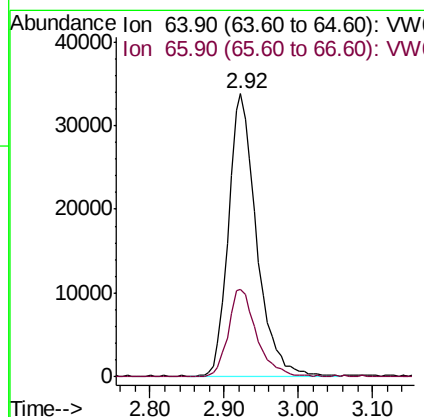
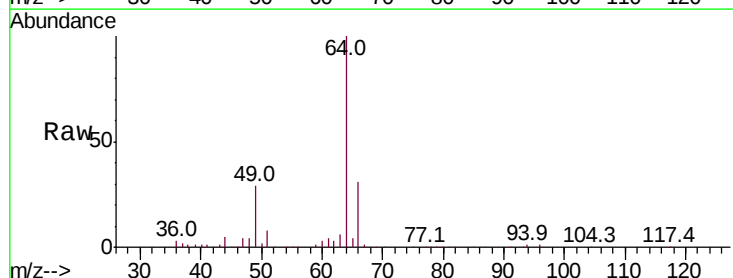
Acq: 26 Jul 2019 12:50

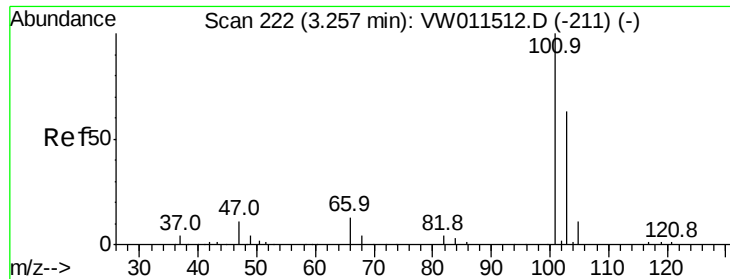
Tgt Ion: 64 Resp: 88331

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8





#7

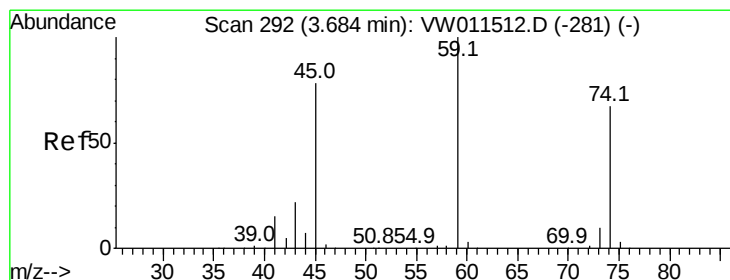
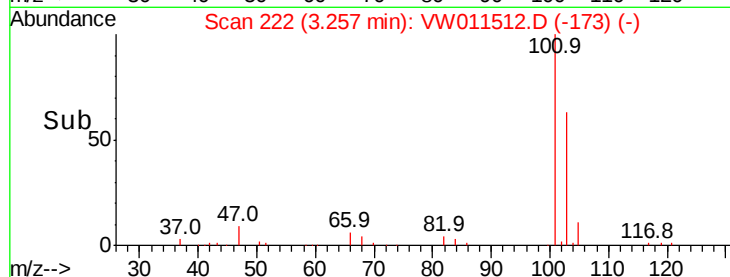
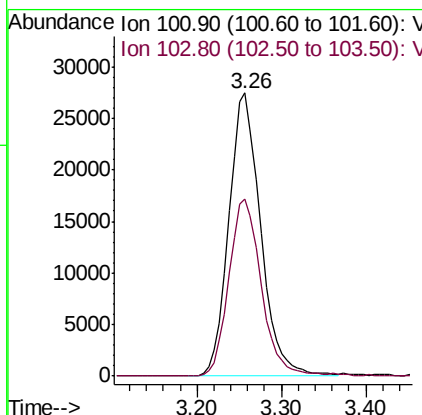
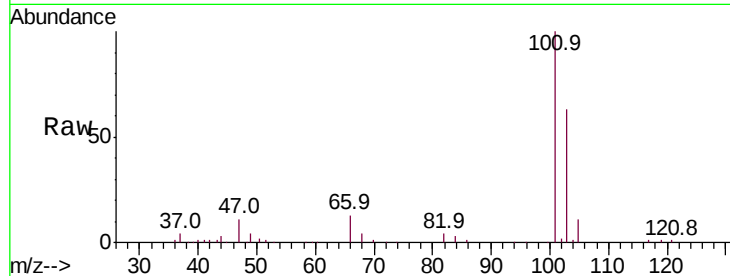
Trichlorofluoromethane
 Concen: 54.145 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
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 ClientSampleId :
 VSTDICCC050

Tot Ion:101 Resp: 70580
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.2 75.4

Manual Integrations
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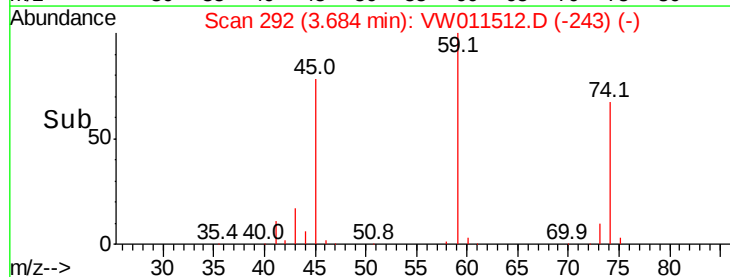
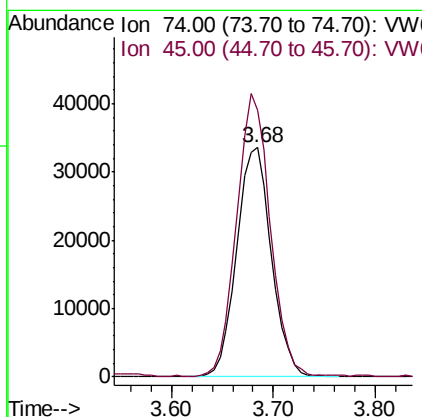
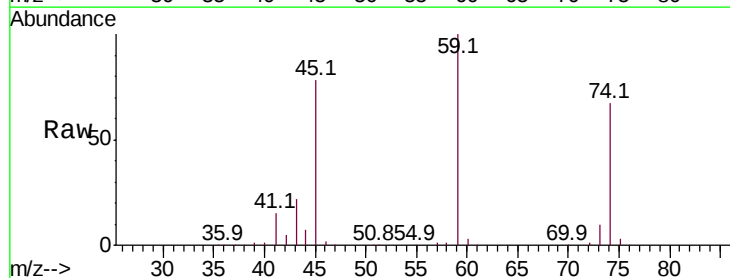
MMDadoda
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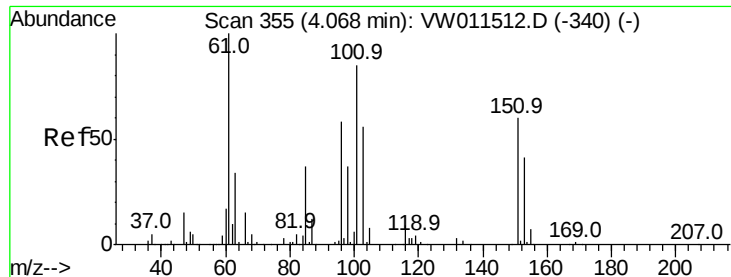


#8

Diethyl Ether
 Concen: 53.655 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion: 74 Resp: 79300
 Ion Ratio Lower Upper
 74 100
 45 119.2 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.620 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

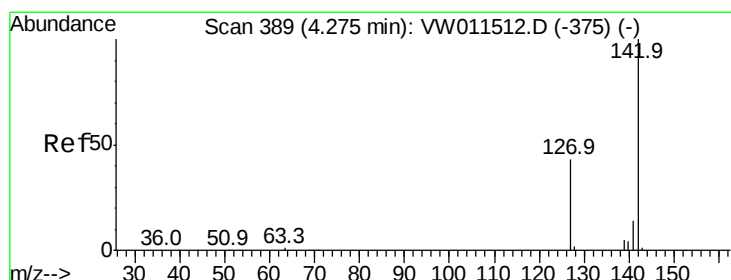
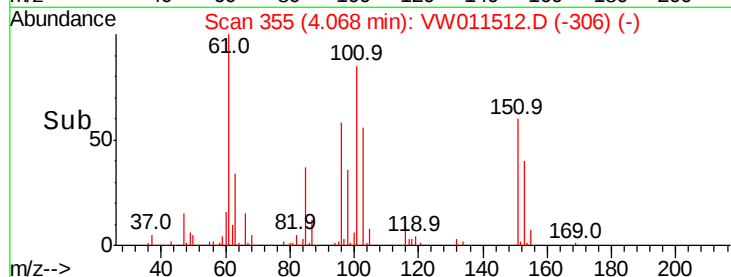
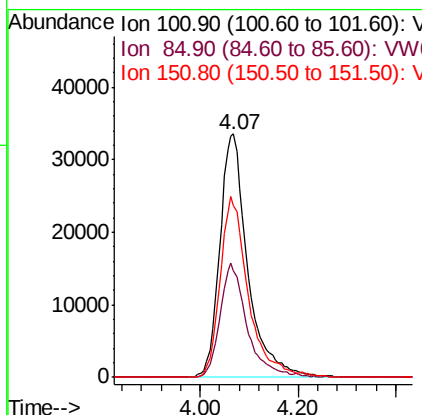
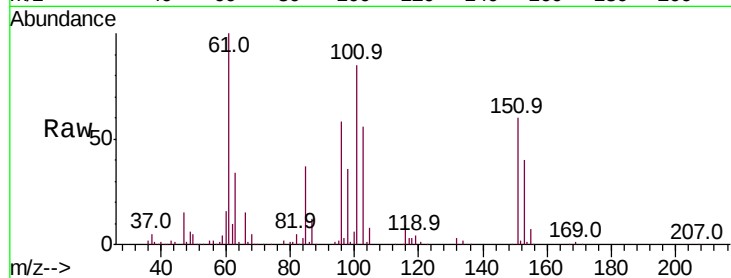
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	132588
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.6	54.8
151	75.2	60.2	90.2

Manual Integrations
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MMDadoda
7/29/2019 9:17:43 AM



#10

Methyl Iodide

Concen: 54.616 ug/l

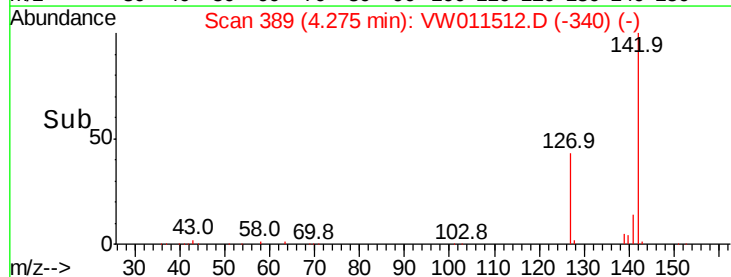
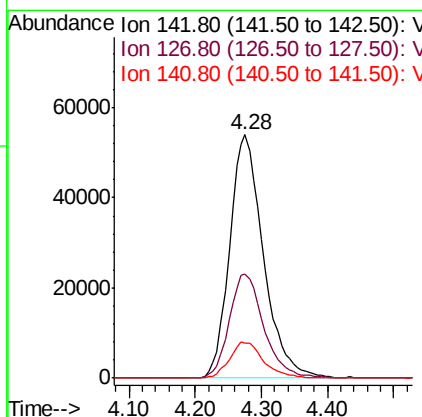
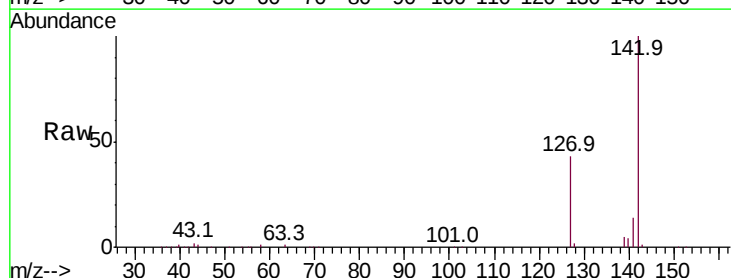
RT: 4.28 min Scan# 389

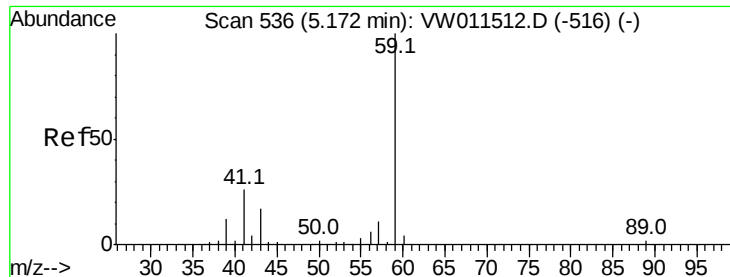
Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion:	142	Resp:	190852
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.0	52.6
141	14.9	11.9	17.9





#11

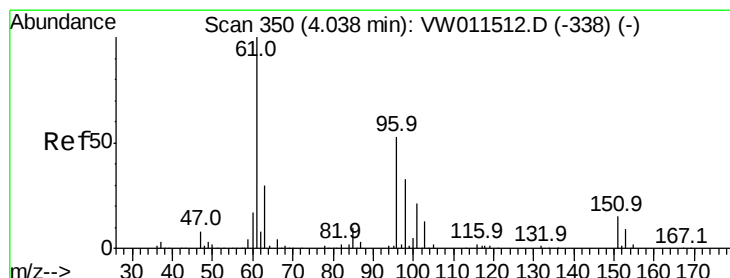
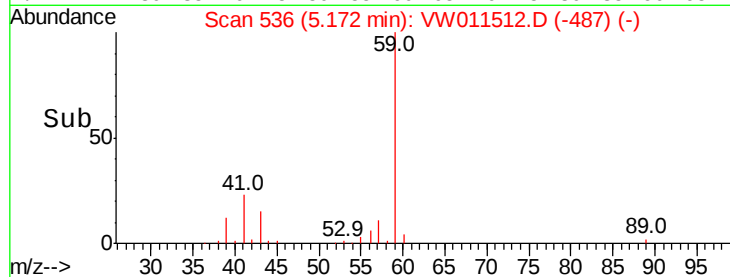
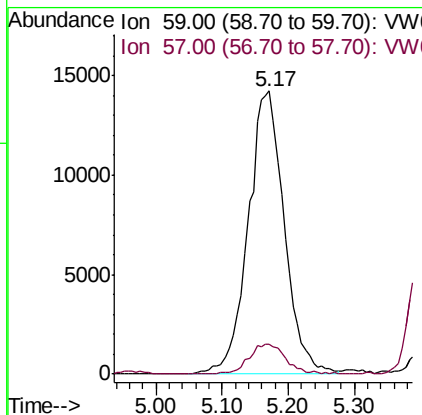
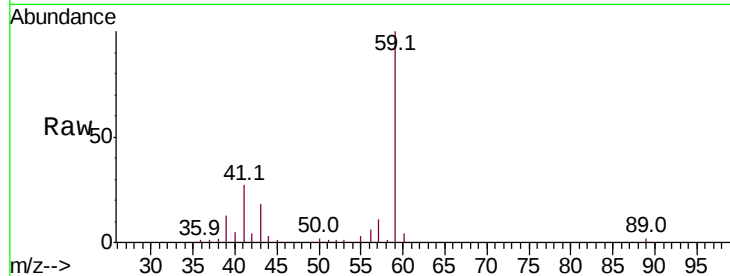
Tert butyl alcohol
 Concen: 223.501 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
 APPROVED

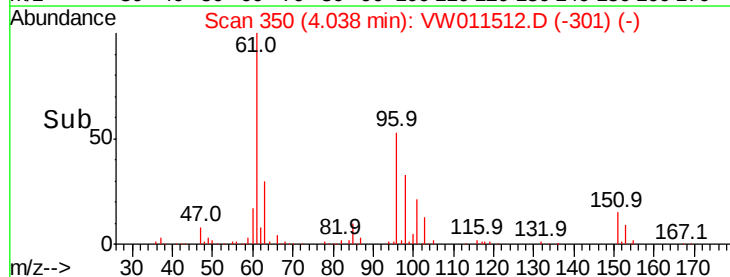
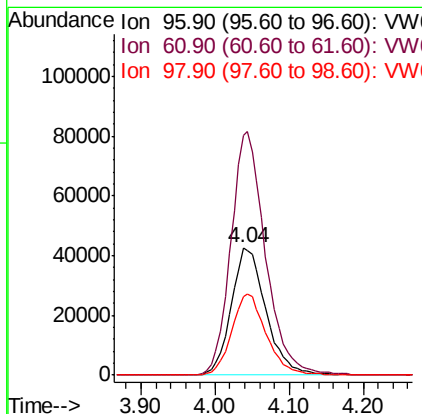
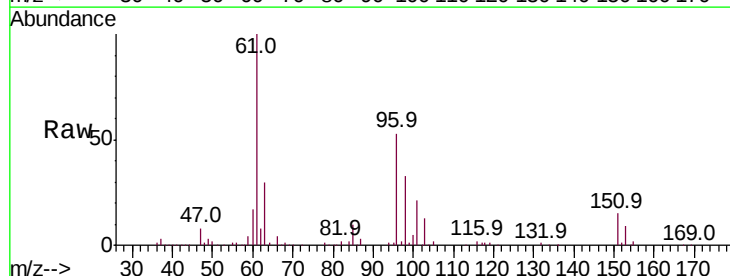
MMDadoda
 7/29/2019 9:17:43 AM

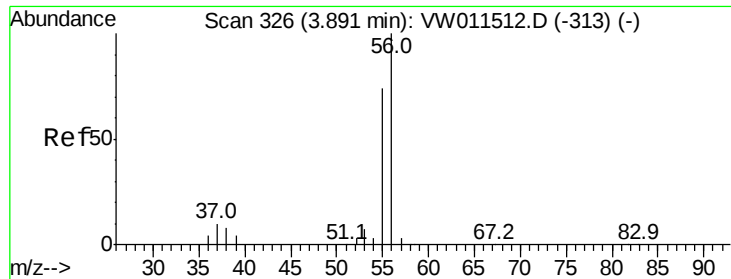


#12

1,1-Dichloroethene
 Concen: 53.330 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.4	149.9	224.9
98	61.4	49.1	73.7





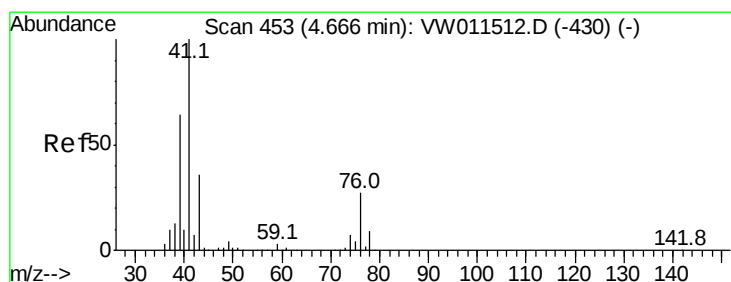
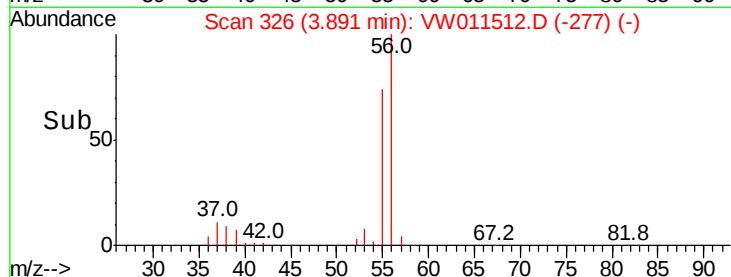
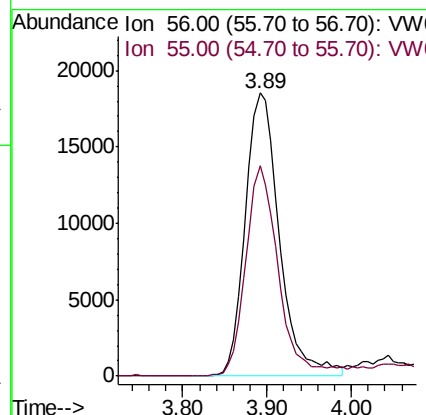
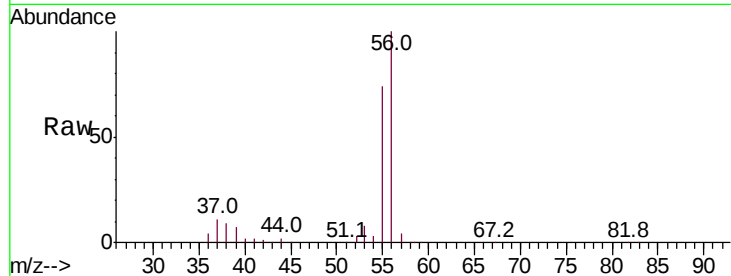
#13
Acrolein
Concen: 246.965 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	51011
Ion Ratio	100	Lower	Upper
56	100		
55	70.0	56.0	84.0

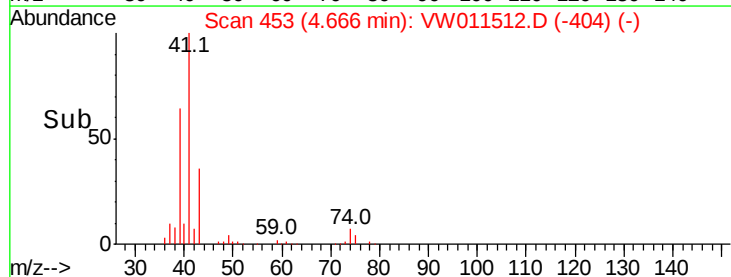
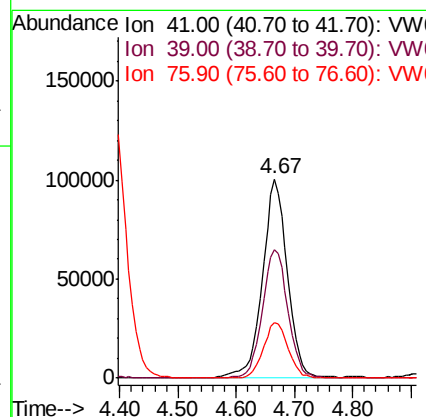
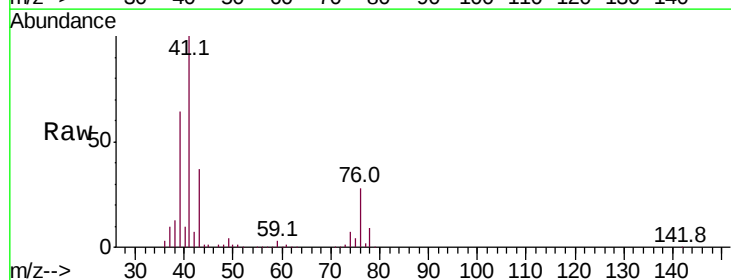
Manual Integrations
APPROVED

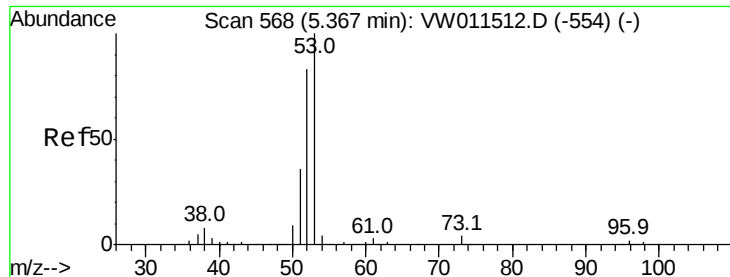
MMDadoda
7/29/2019 9:17:43 AM



#14
Allyl chloride
Concen: 53.715 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	41	Resp	298281
Ion Ratio	100	Lower	Upper
41	100		
39	65.7	52.6	78.8
76	27.5	22.0	33.0





#15

Acrylonitrile

Concen: 269.714 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

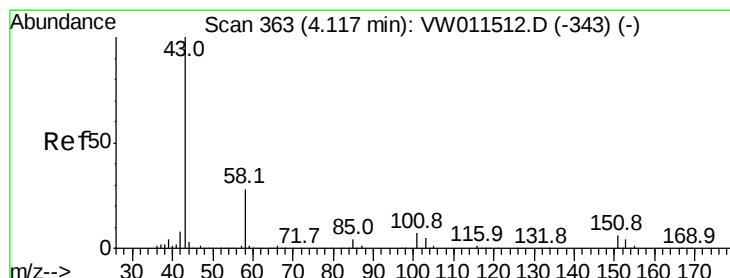
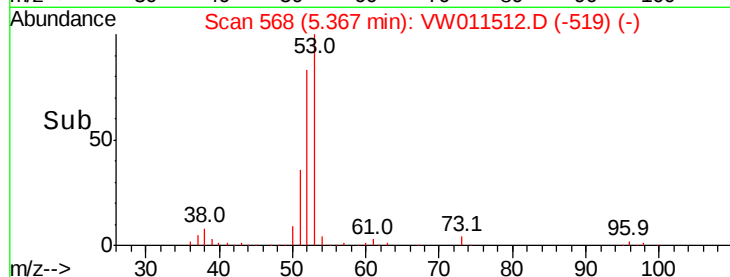
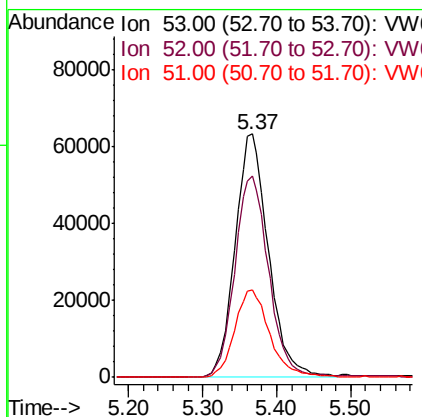
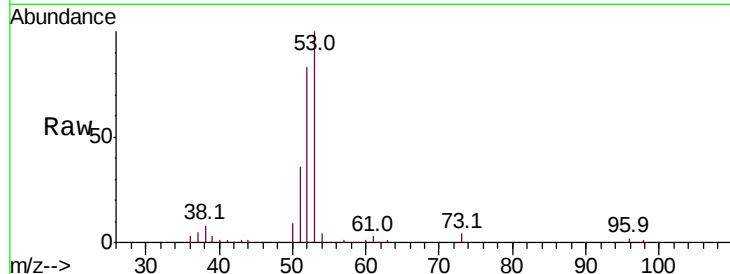
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	198989
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.2	100.8
51	37.5	30.0	45.0

Manual Integrations
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MMDadoda
7/29/2019 9:17:43 AM



#16

Acetone

Concen: 266.323 ug/l

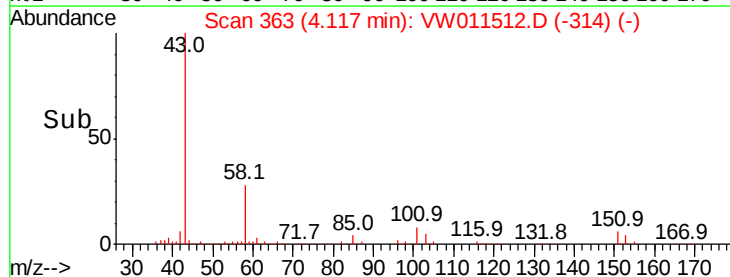
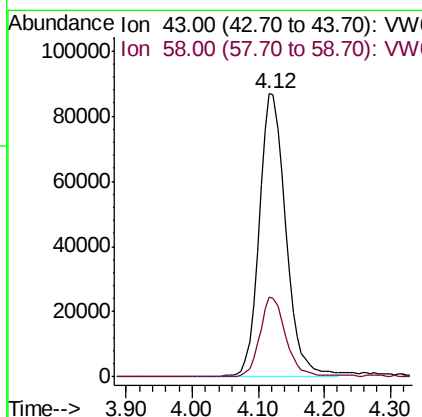
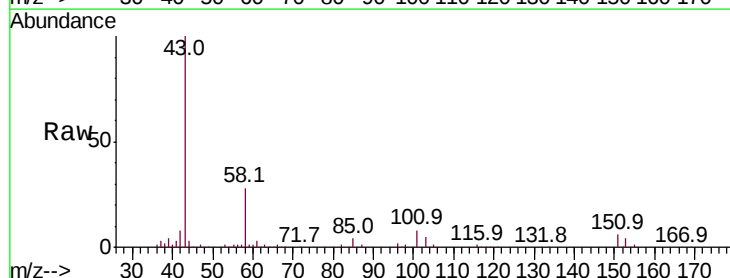
RT: 4.12 min Scan# 363

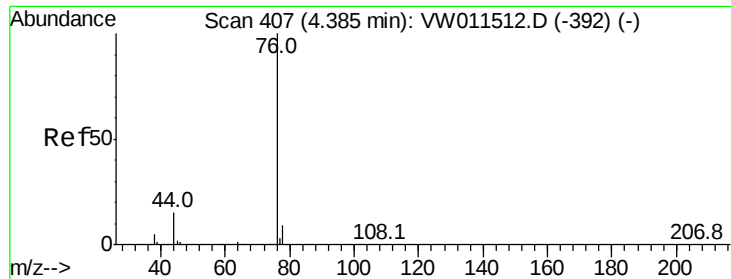
Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion:	43	Resp:	243869
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





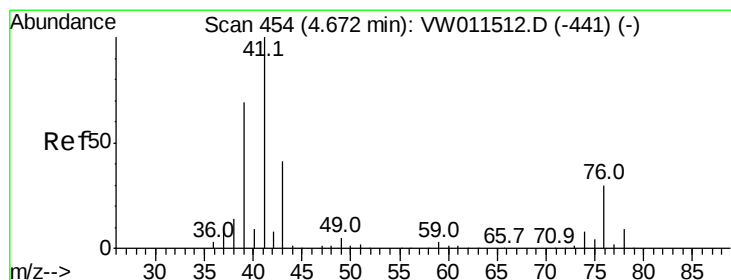
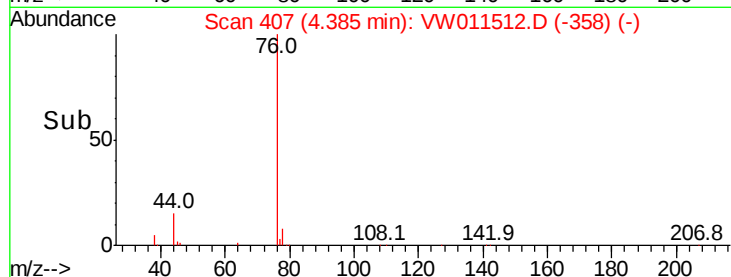
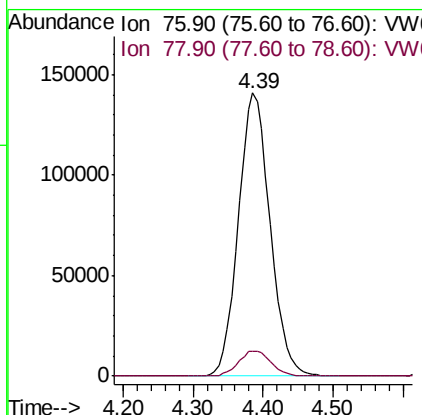
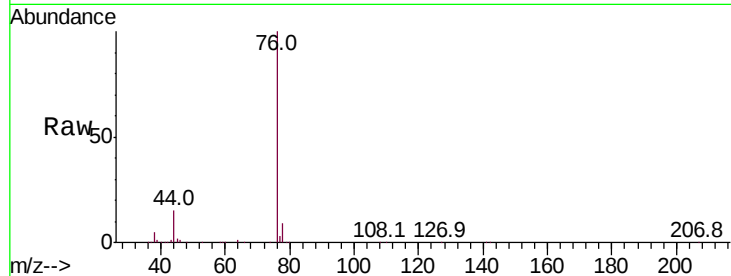
#17
Carbon Disulfide
Concen: 54.211 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

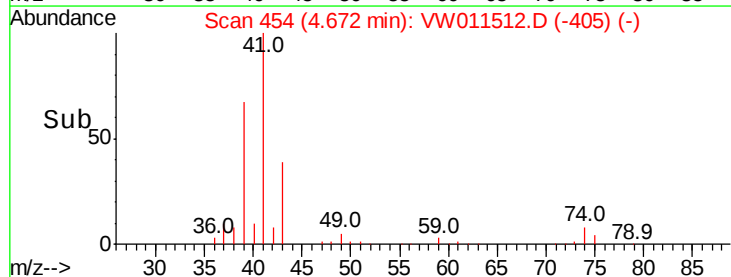
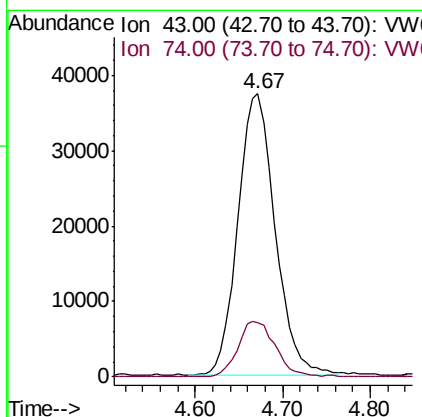
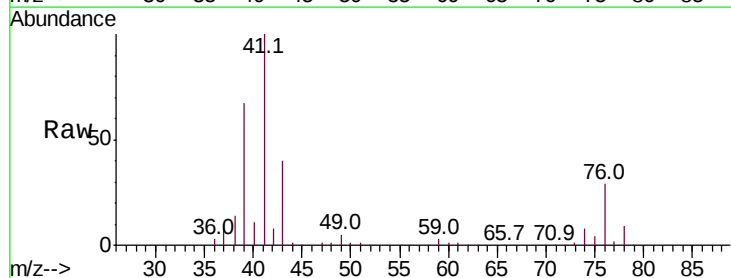
Manual Integrations
APPROVED

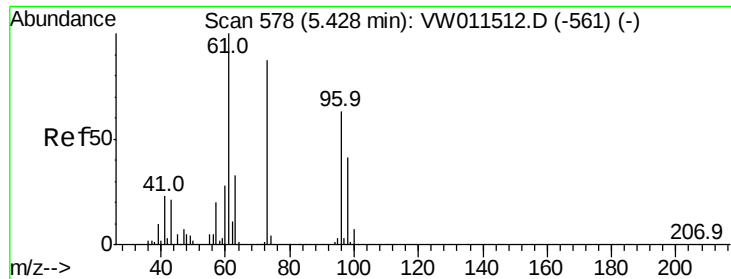
MMDadoda
7/29/2019 9:17:43 AM



#18
Methyl Acetate
Concen: 53.893 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.9	23.9





#19

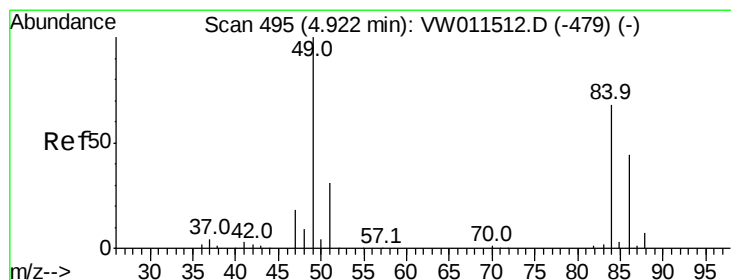
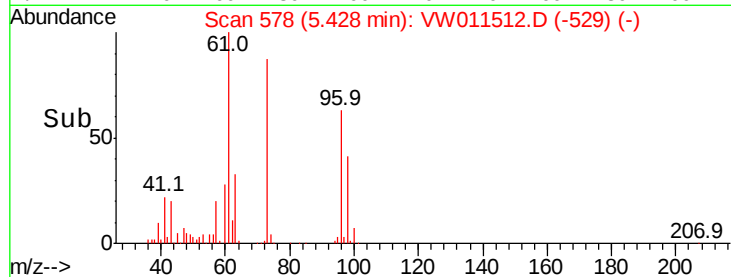
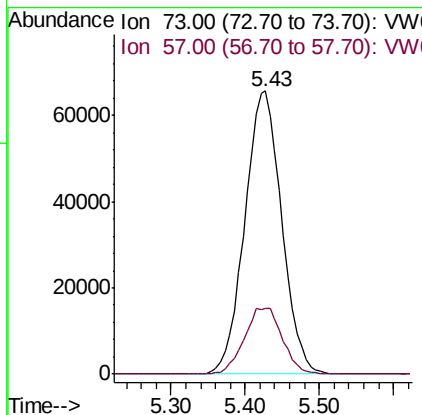
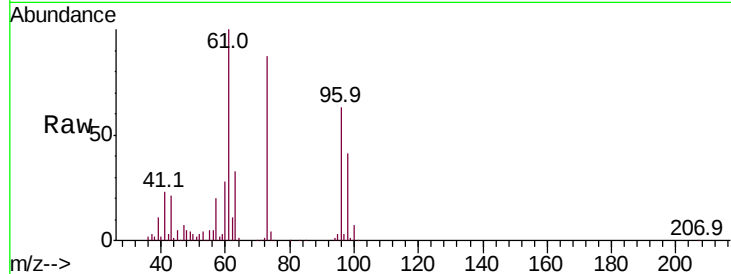
Methyl tert-butyl Ether
 Concen: 54.920 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.4	27.6

Manual Integrations
 APPROVED

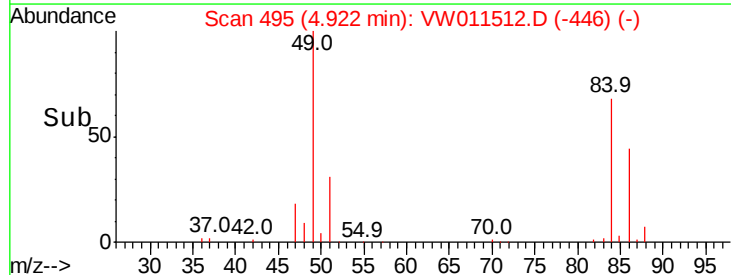
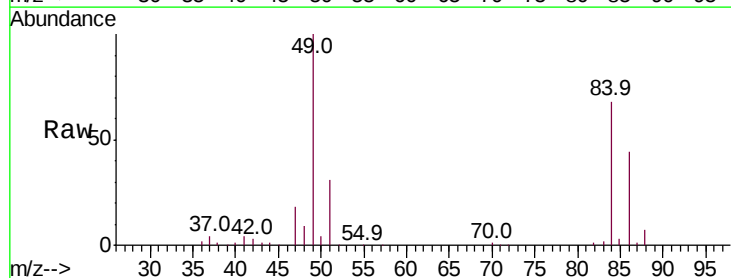
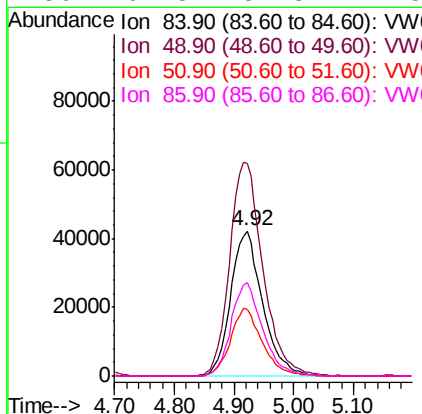
MMDadoda
 7/29/2019 9:17:43 AM

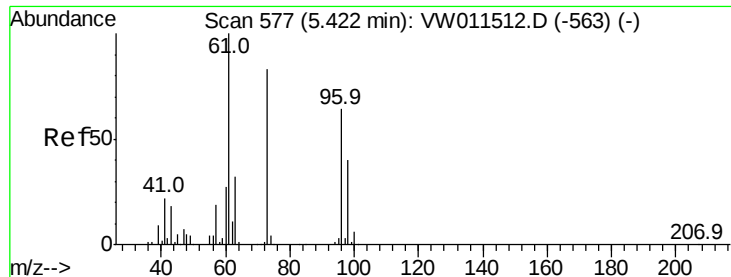


#20

Methylene Chloride
 Concen: 49.753 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.2	117.8	176.6
51	46.2	37.0	55.4
86	64.8	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 52.695 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 96 Resp: 148325

Ion Ratio Lower Upper

96 100

61 157.1 125.7 188.5

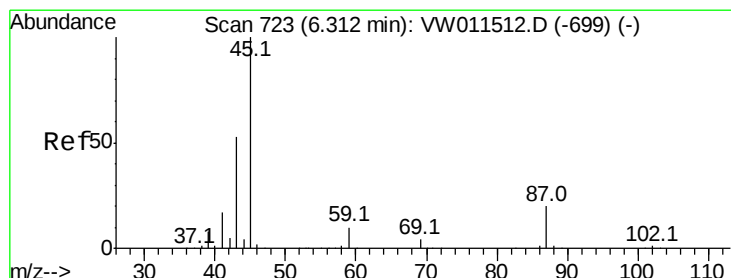
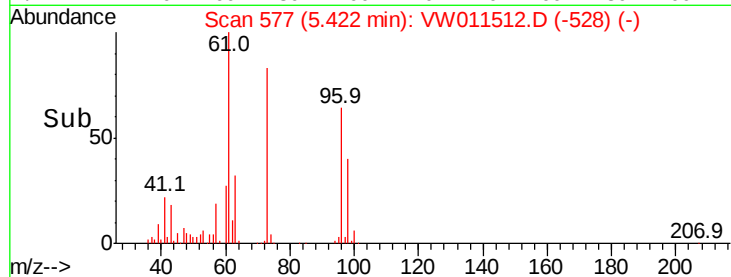
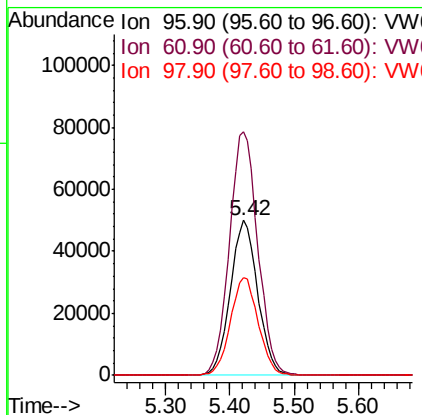
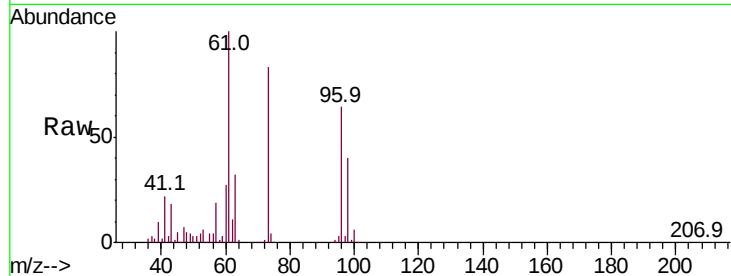
98 62.9 50.3 75.5

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:43 AM



#22

Diisopropyl ether

Concen: 53.477 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion: 45 Resp: 559879

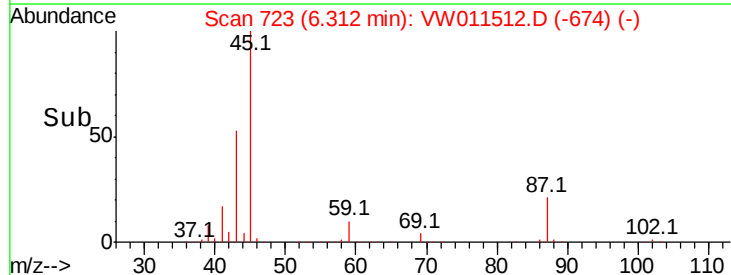
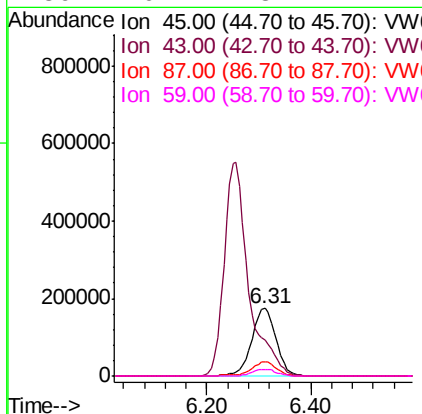
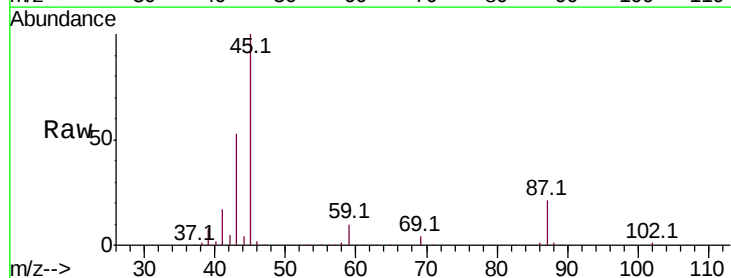
Ion Ratio Lower Upper

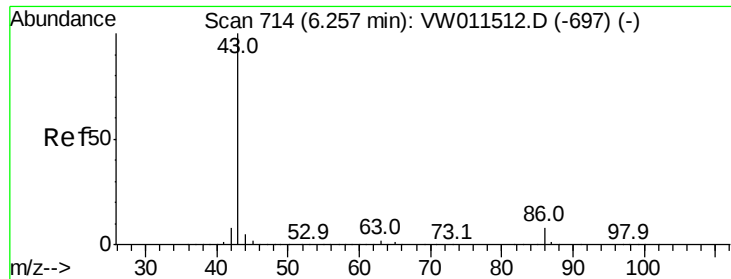
45 100

43 53.2 42.6 63.8

87 20.5 16.4 24.6

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 274.947 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1808755

Ion Ratio Lower Upper

43 100

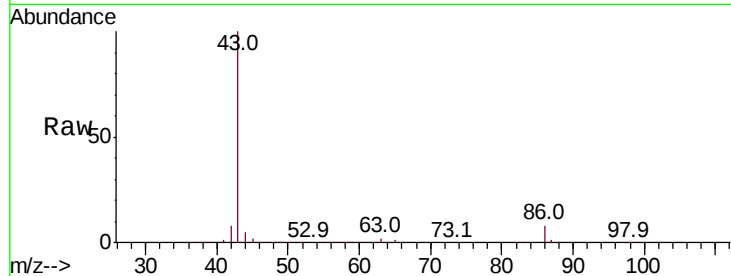
86 8.1 6.5 9.7

Manual Integrations

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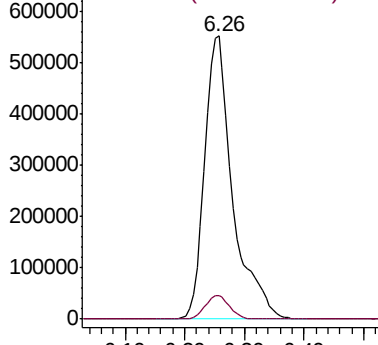
MMDadoda

7/29/2019 9:17:43 AM

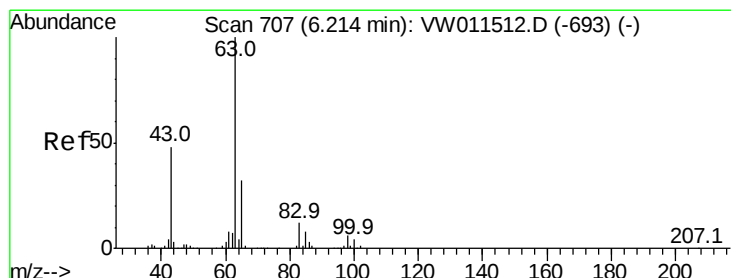
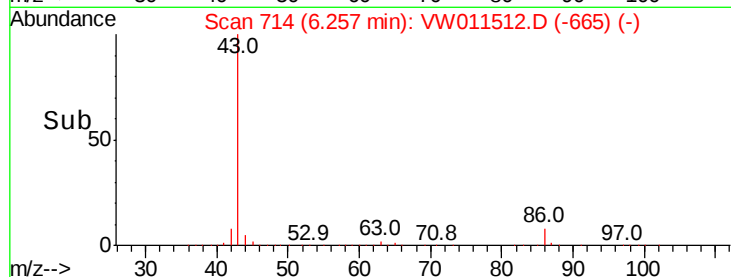


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 53.295 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

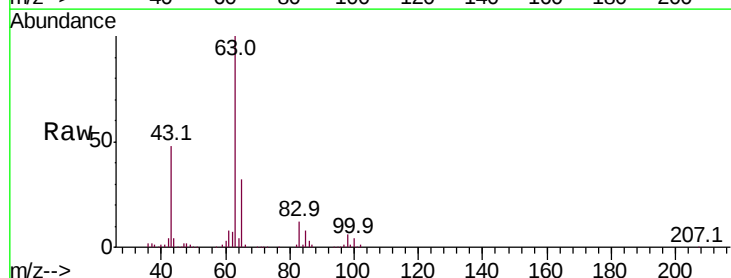
Tgt Ion: 63 Resp: 298830

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

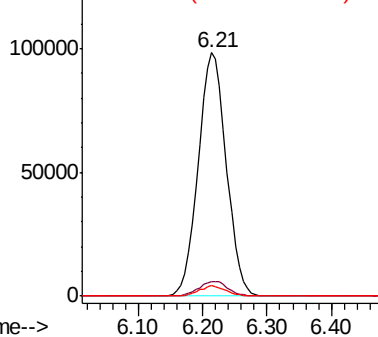
100 4.2 2.1 6.3



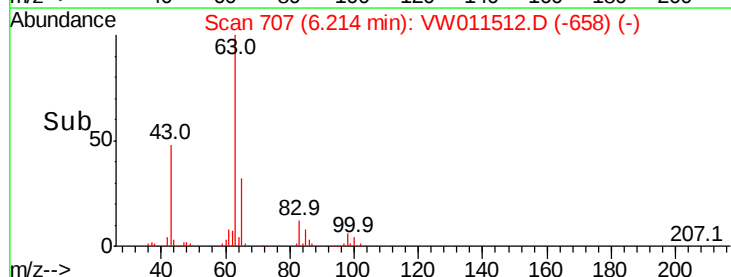
Abundance Ion 62.90 (62.60 to 63.60): VW

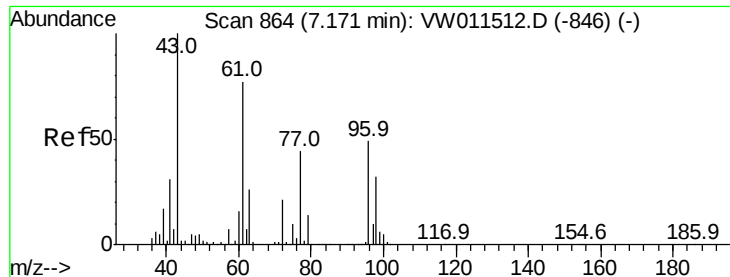
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





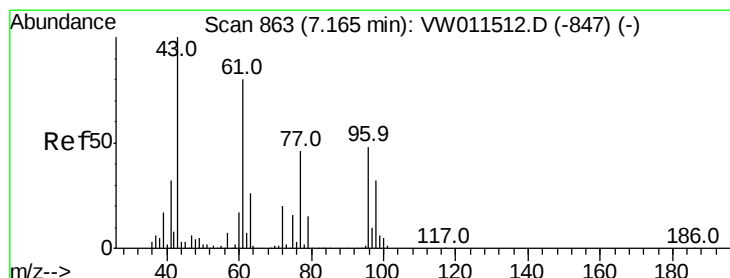
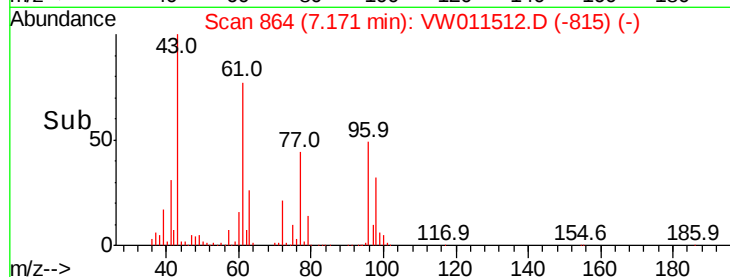
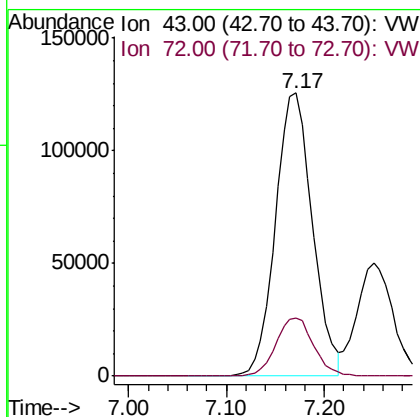
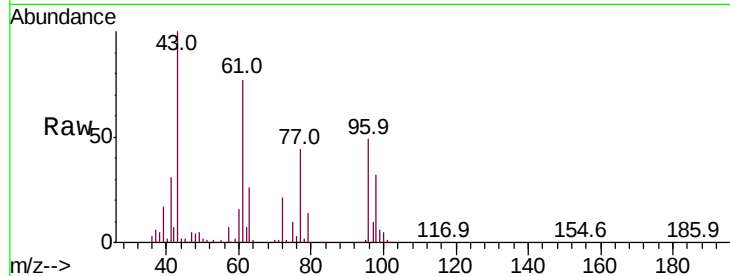
#25
2-Butanone
Concen: 276.207 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 330953
Ion Ratio Lower Upper
43 100
72 20.7 16.6 24.8

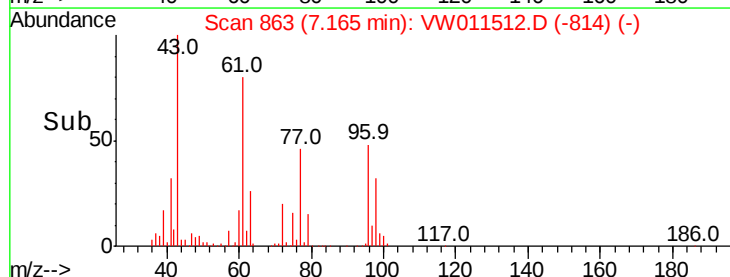
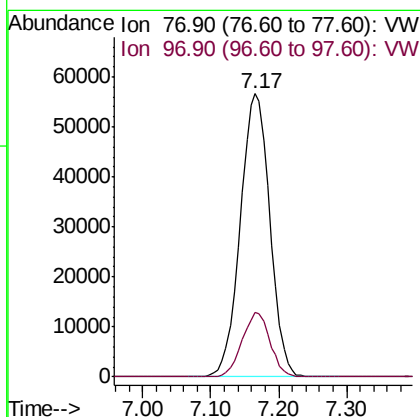
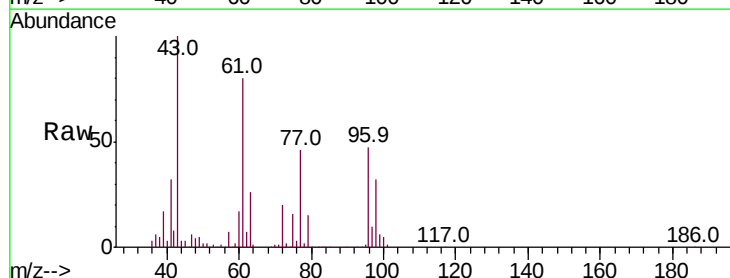
Manual Integrations
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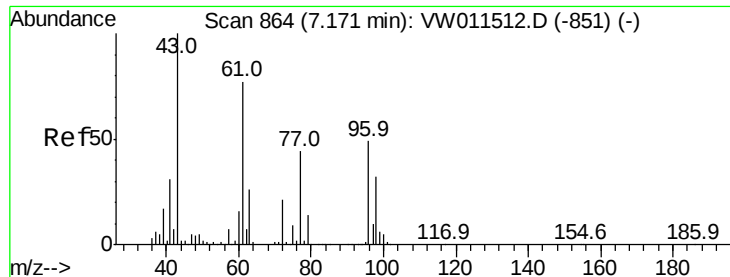
MMDadoda
7/29/2019 9:17:43 AM



#26
2,2-Dichloropropane
Concen: 49.511 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 77 Resp: 170729
Ion Ratio Lower Upper
77 100
97 21.6 10.8 32.4





#27

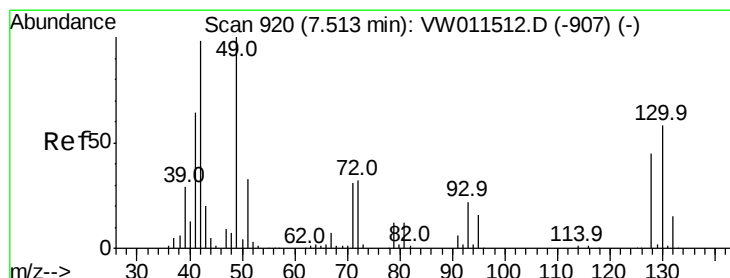
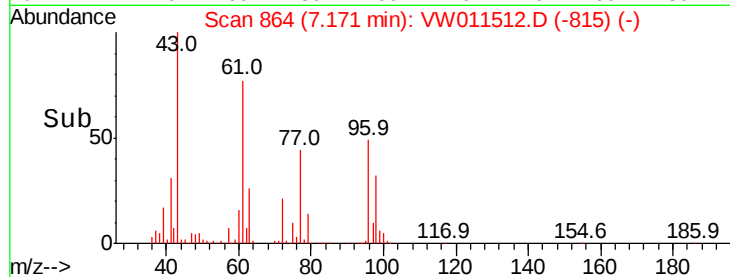
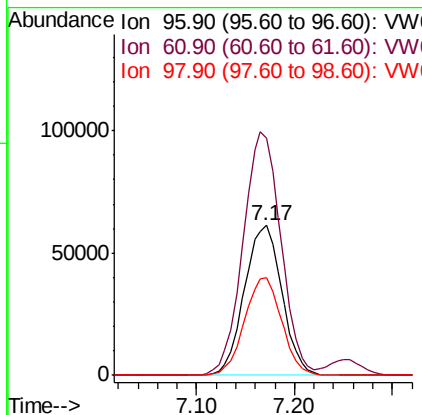
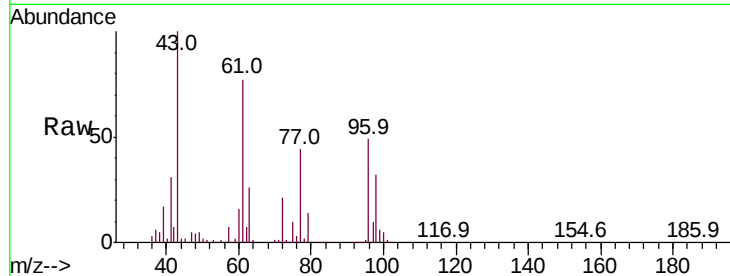
cis-1,2-Dichloroethene
 Concen: 52.753 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.2	0.0	328.4	
98	64.4	0.0	128.8	

Manual Integrations
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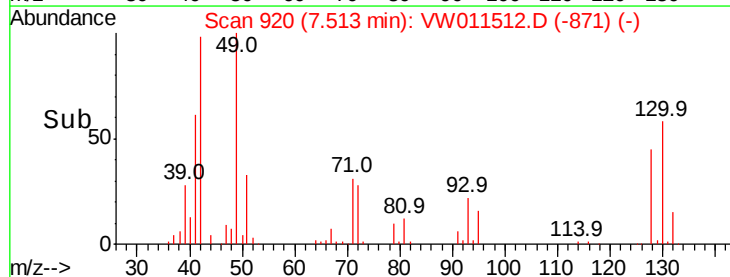
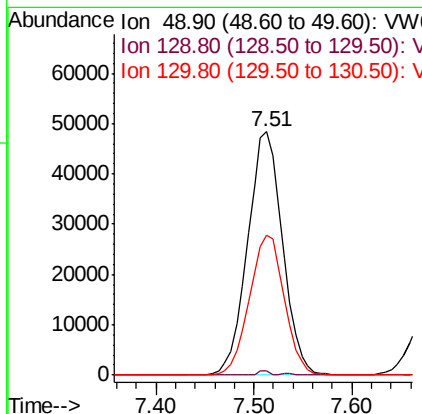
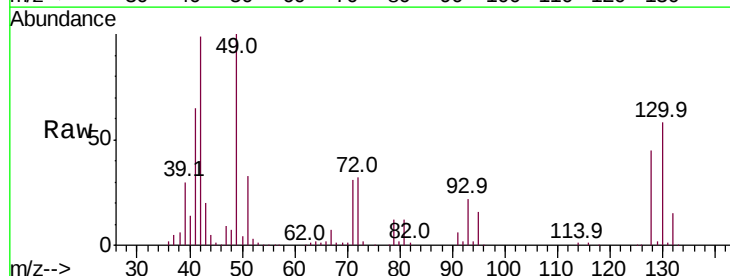
MMDadoda
 7/29/2019 9:17:43 AM

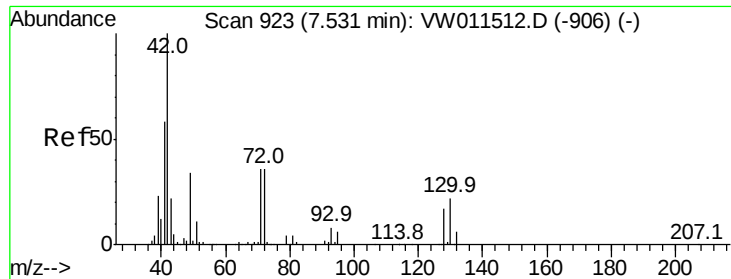


#28

Bromochloromethane
 Concen: 48.352 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.5	0.0	1.0	
130	57.9	46.3	69.5	





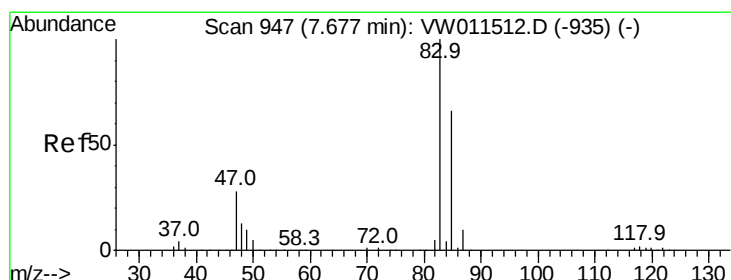
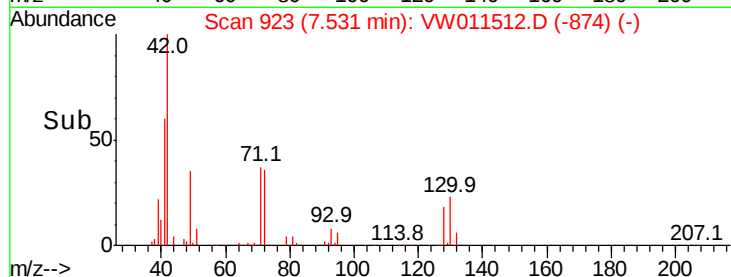
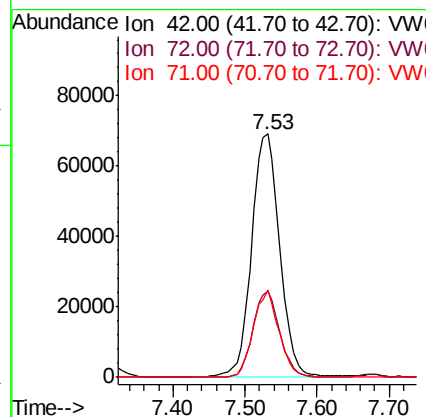
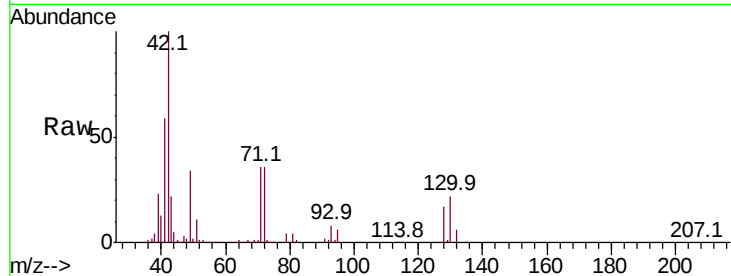
#29
Tetrahydrofuran
Concen: 273.150 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	27.1	40.7
71	32.8	26.2	39.4

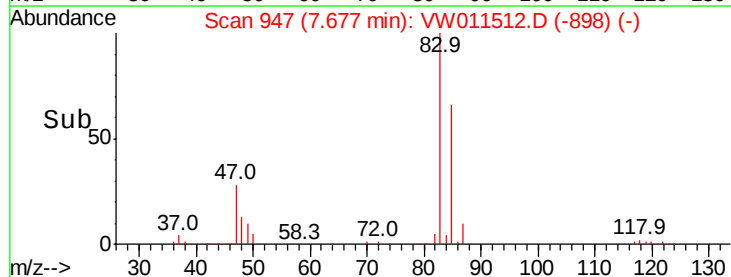
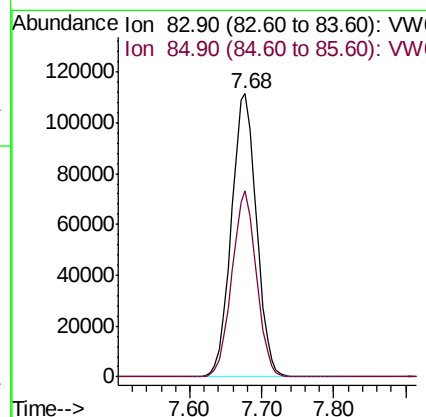
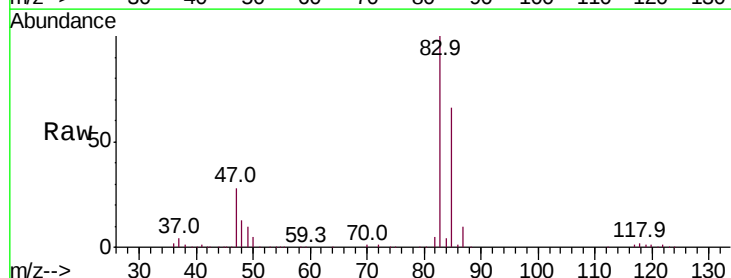
Manual Integrations
APPROVED

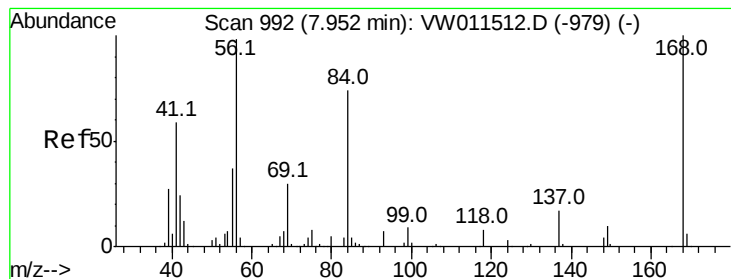
MMDadoda
7/29/2019 9:17:43 AM



#30
Chloroform
Concen: 52.165 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7





#31

Cyclohexane

Concen: 51.375 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 276517

Ion Ratio Lower Upper

56 100

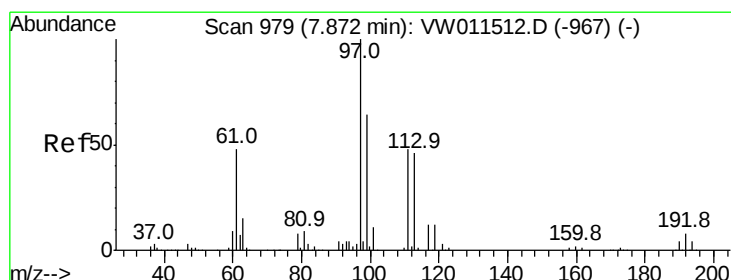
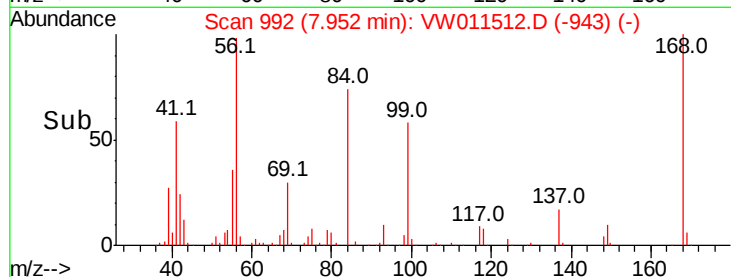
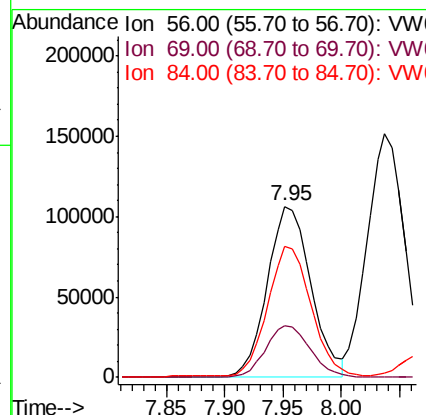
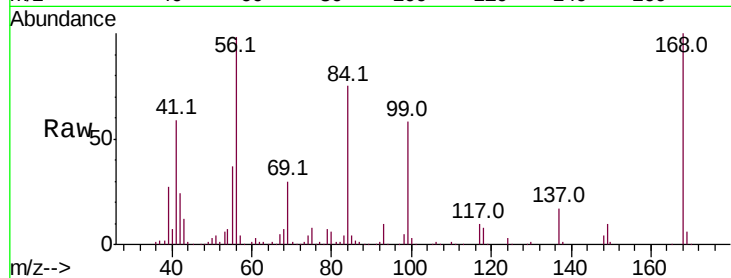
69 30.4 24.3 36.5

84 75.5 60.4 90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.606 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

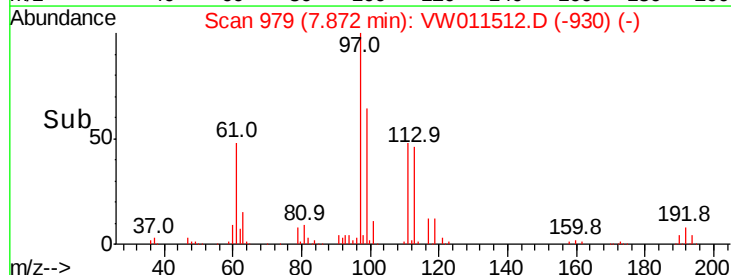
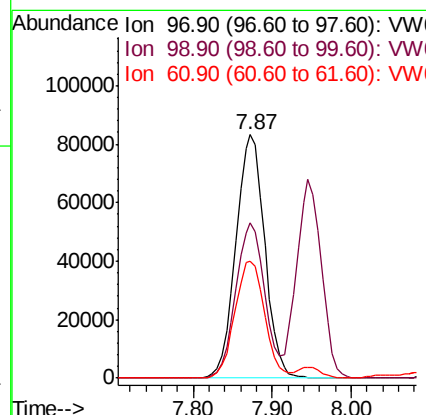
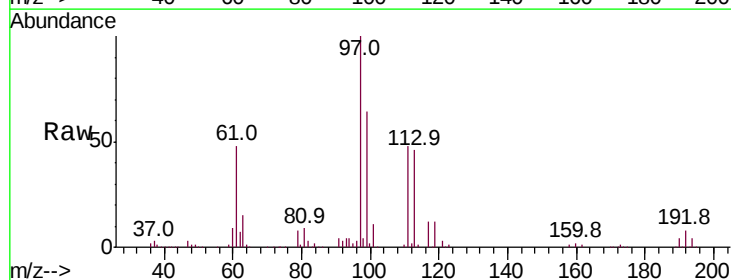
Tgt Ion: 97 Resp: 211185

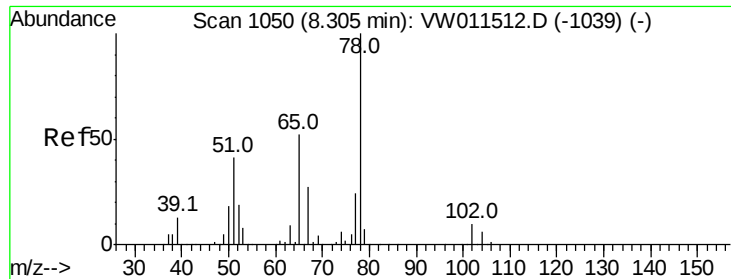
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 49.7 39.8 59.6





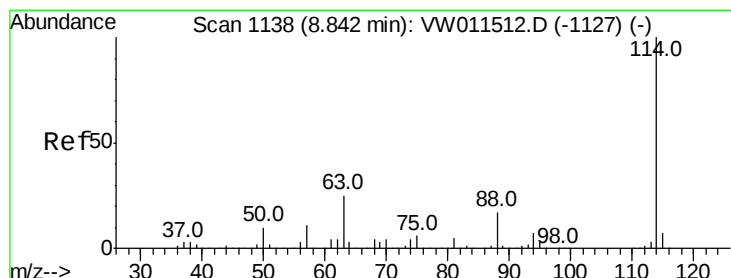
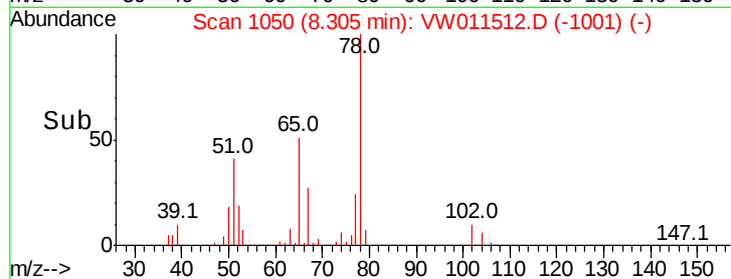
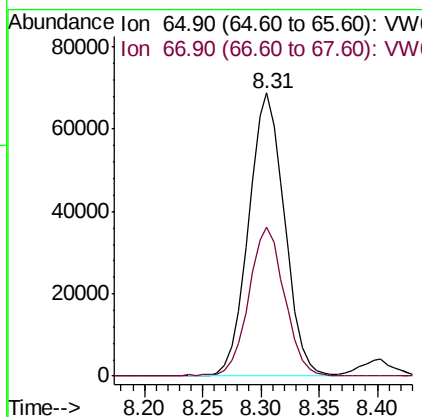
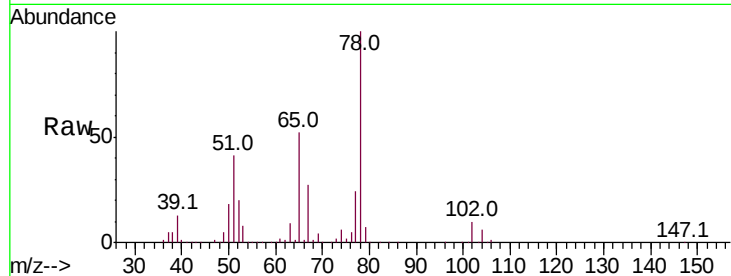
#33
 1,2-Dichloroethane-d4
 Concen: 51.367 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	105.2	

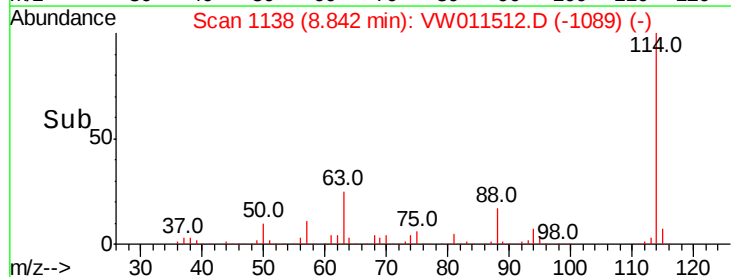
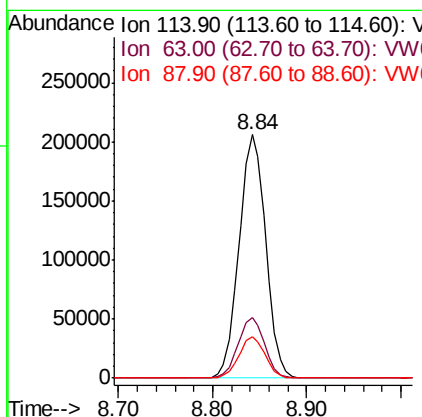
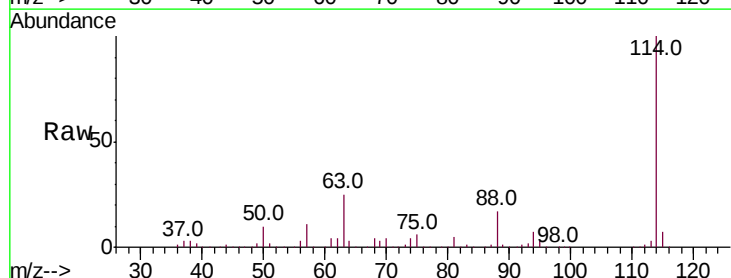
Manual Integrations
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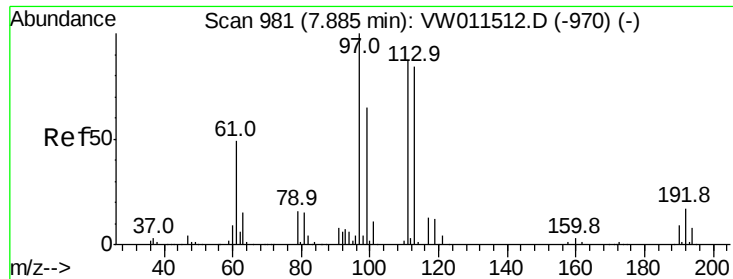
MMDadoda
 7/29/2019 9:17:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.6	0.0	49.2	
88	16.9	0.0	33.8	





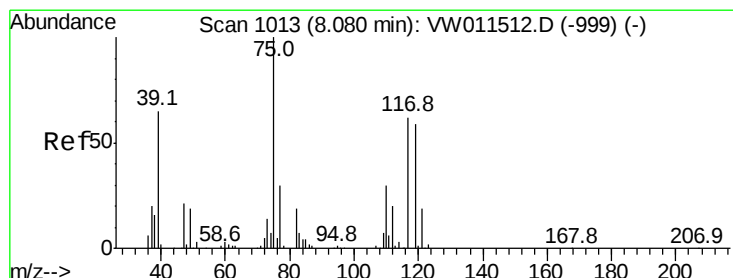
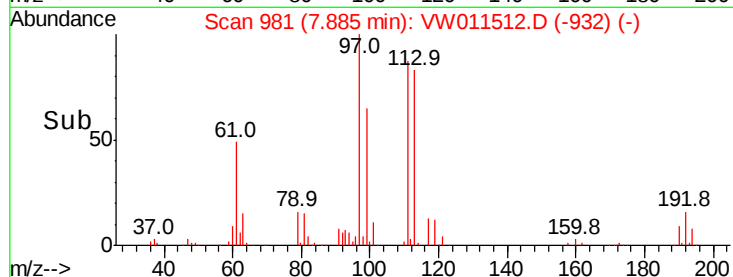
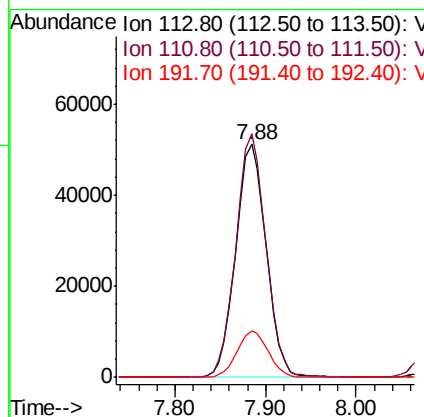
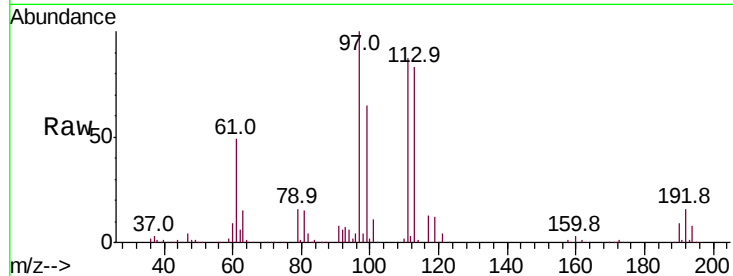
#35
 Dibromofluoromethane
 Concen: 52.420 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119538		
111	103.4	82.7	124.1	
192	20.1	16.1	24.1	

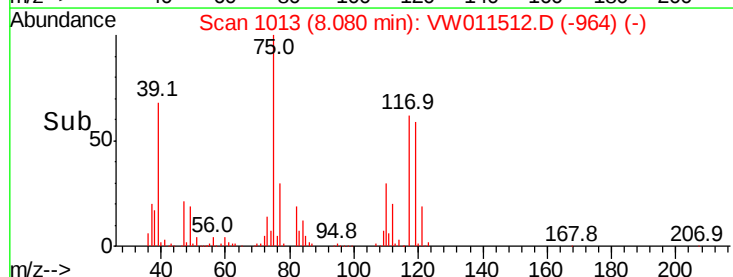
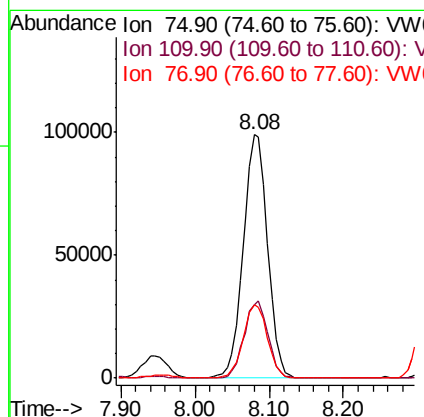
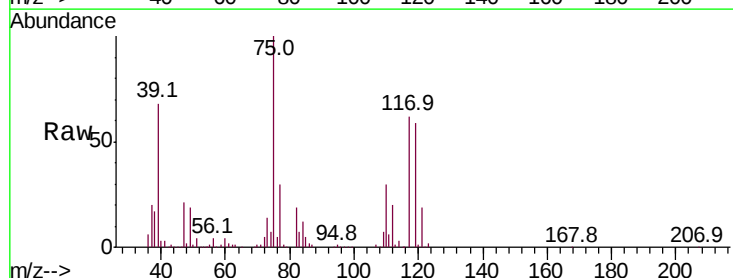
Manual Integrations
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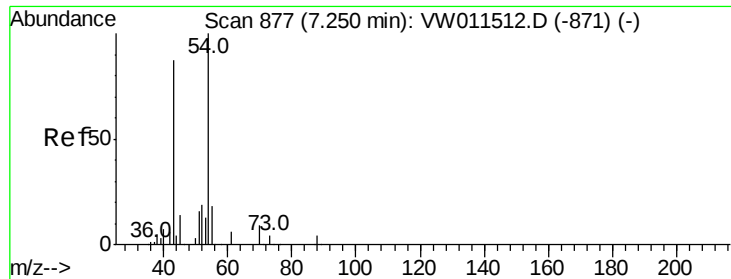
MMDadoda
 7/29/2019 9:17:43 AM



#36
 1,1-Dichloropropene
 Concen: 53.642 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	226724		
110	31.2	15.6	46.8	
77	30.4	24.3	36.5	





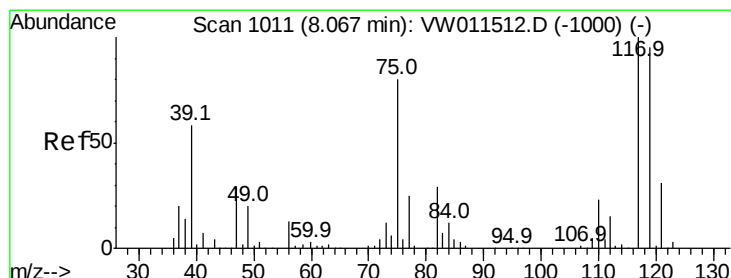
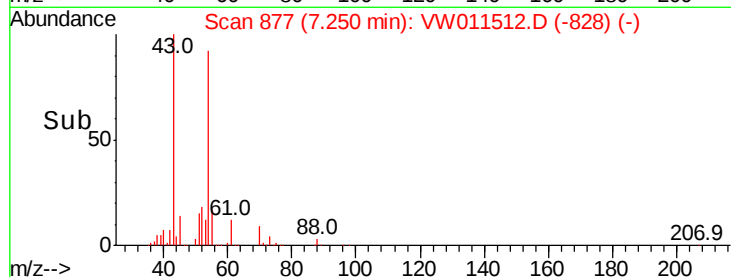
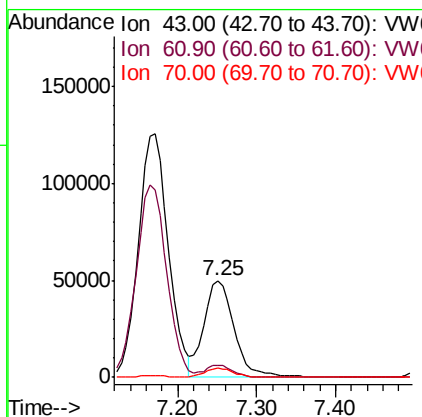
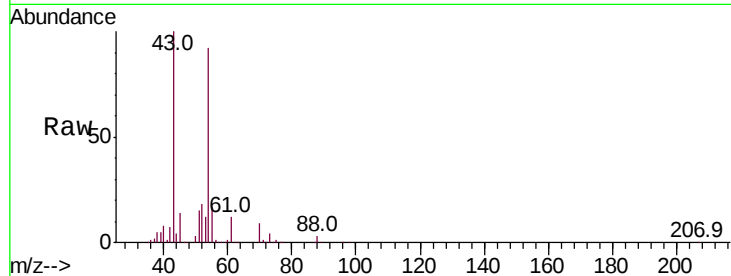
#37
Ethyl Acetate
Concen: 54.405 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.0	8.8	13.2
70	8.9	7.1	10.7

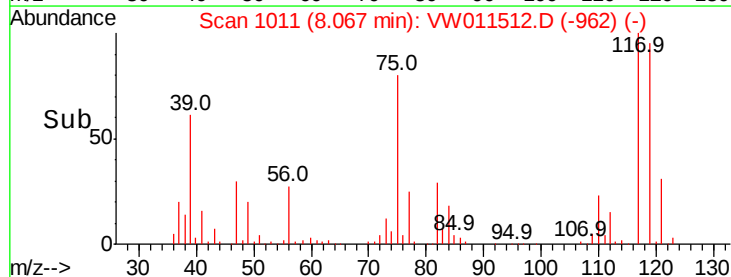
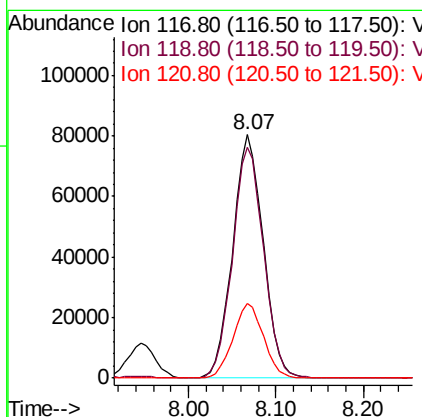
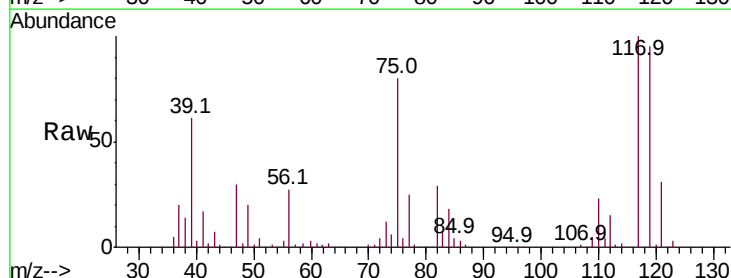
Manual Integrations
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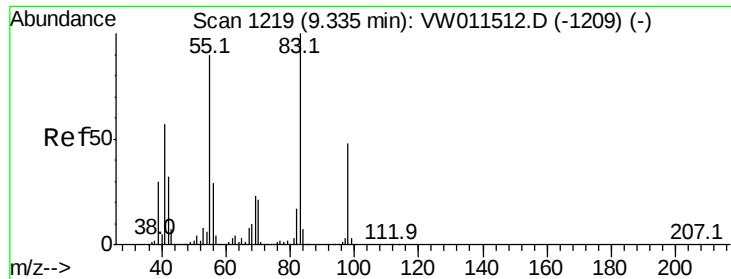
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.964 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.6
121	30.9	24.7	37.1





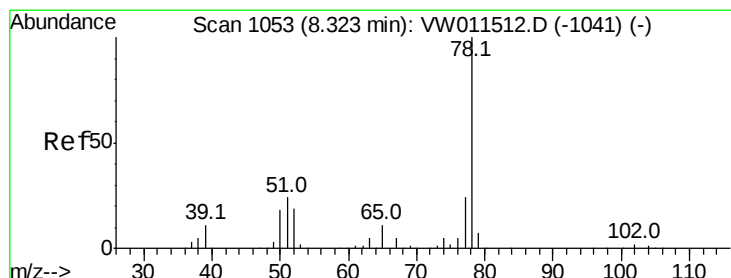
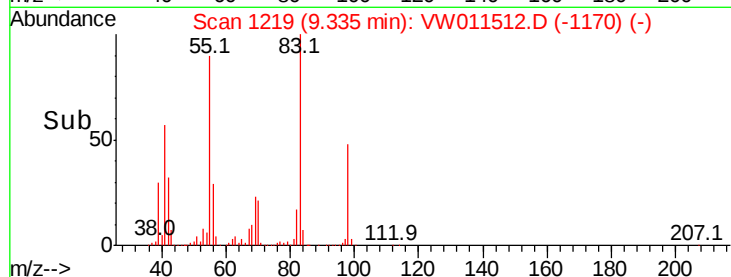
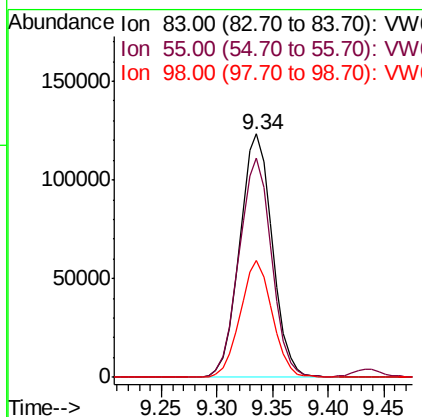
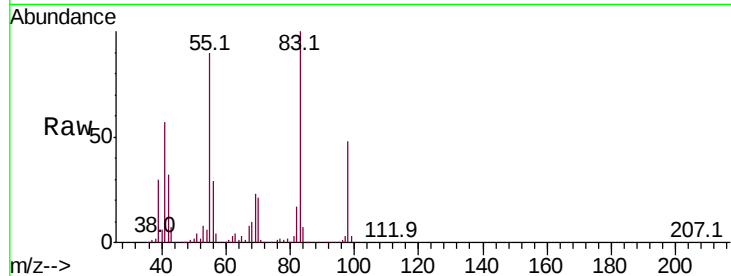
#39
Methvlcvclohexane
Concen: 54.099 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.1	72.1	108.1
98	48.2	38.6	57.8

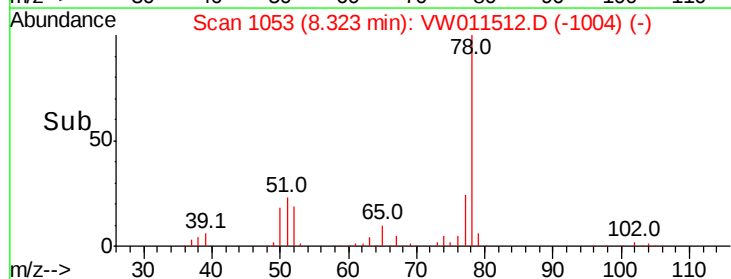
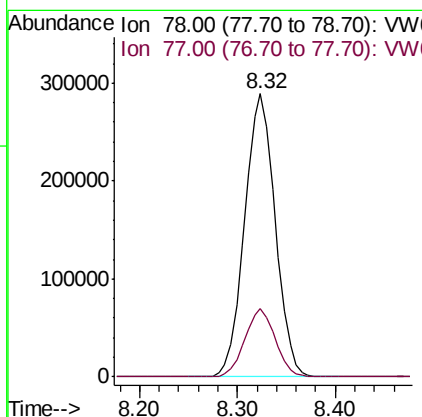
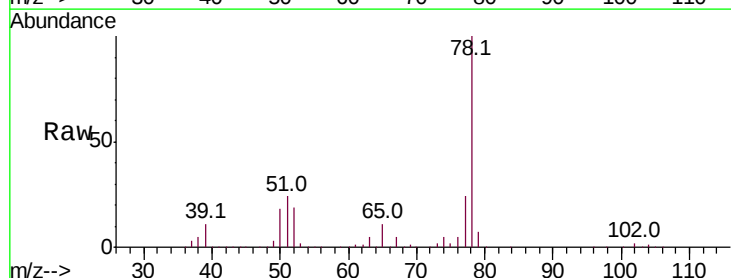
Manual Integrations
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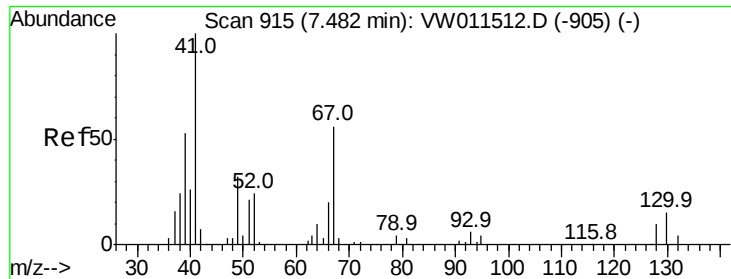
MMDadoda
7/29/2019 9:17:43 AM



#40
Benzene
Concen: 52.817 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





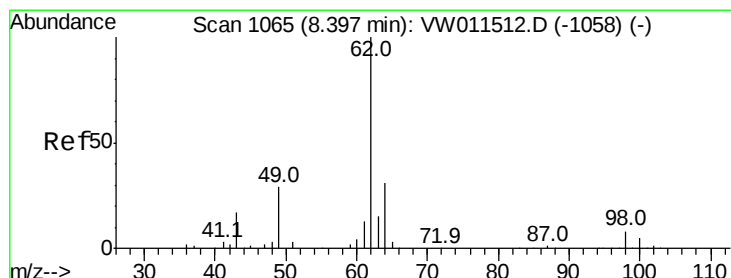
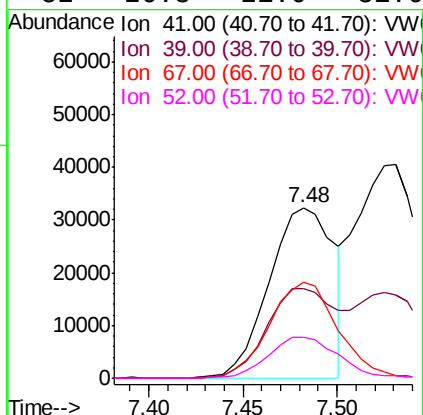
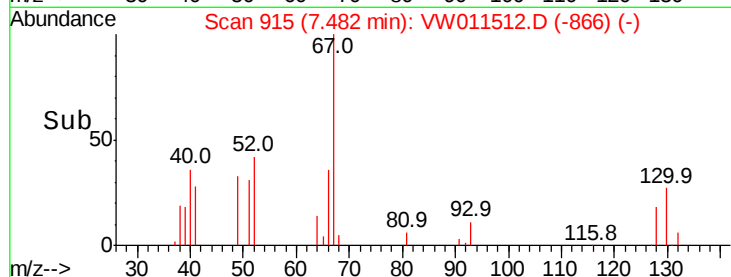
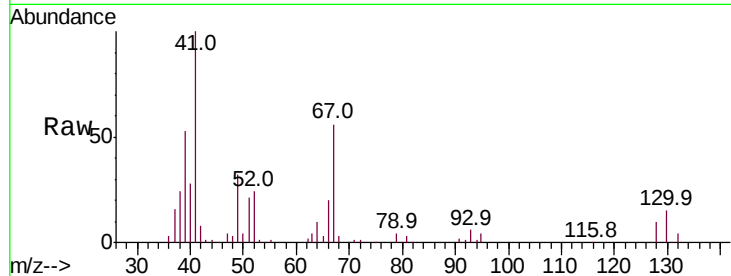
#41
Methacrylonitrile
Concen: 53.251 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.0	64.4
67	59.4	47.5	71.3
52	26.3	21.0	31.6

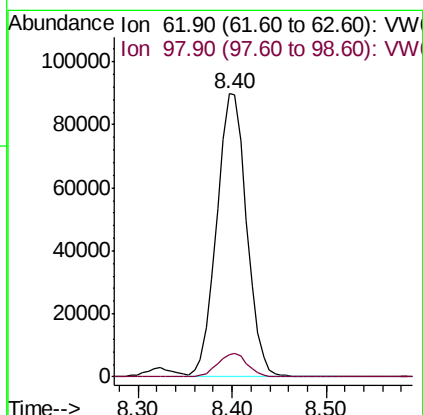
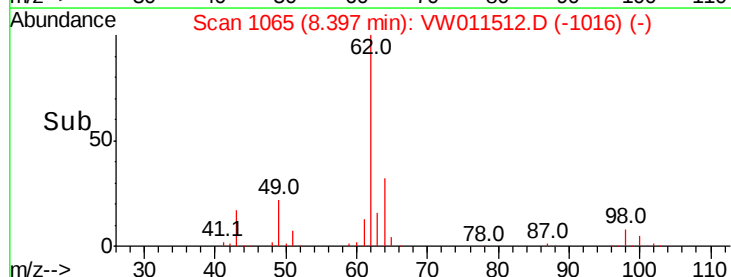
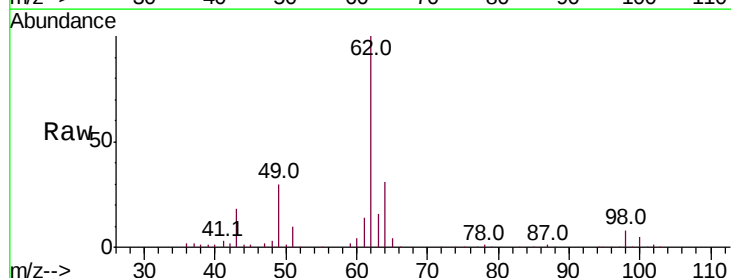
Manual Integrations
APPROVED

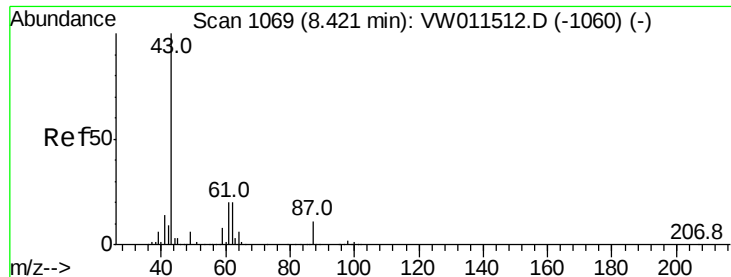
MMDadoda
7/29/2019 9:17:43 AM



#42
1,2-Dichloroethane
Concen: 53.348 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 54.720 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

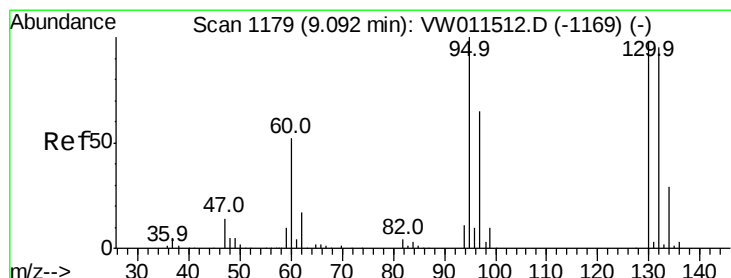
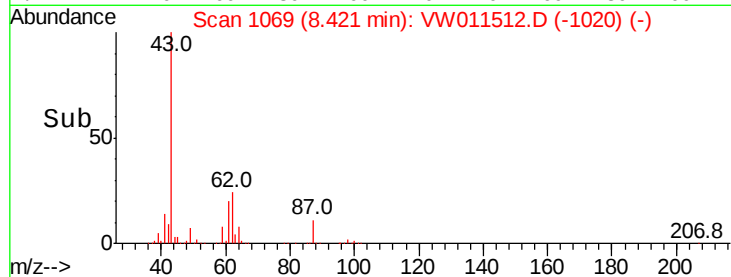
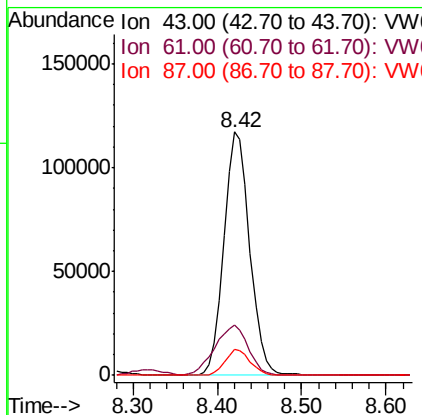
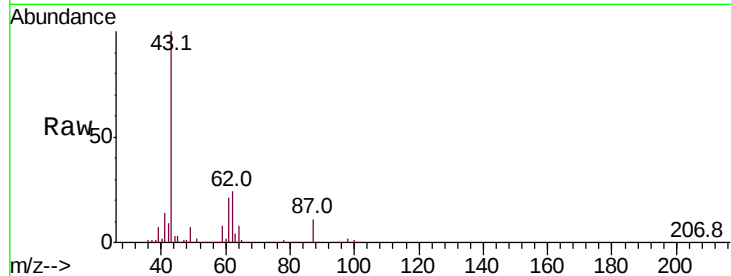
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	244710
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.5	32.3
87	10.5	8.4	12.6

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#44

Trichloroethene

Concen: 53.122 ug/l

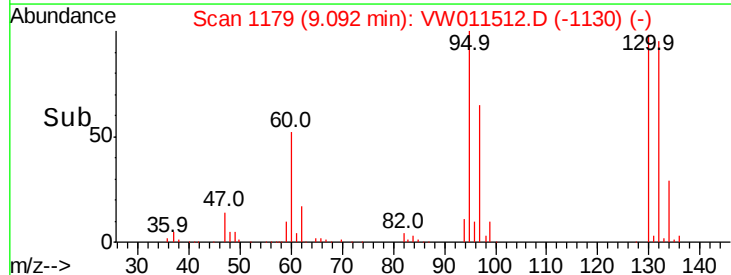
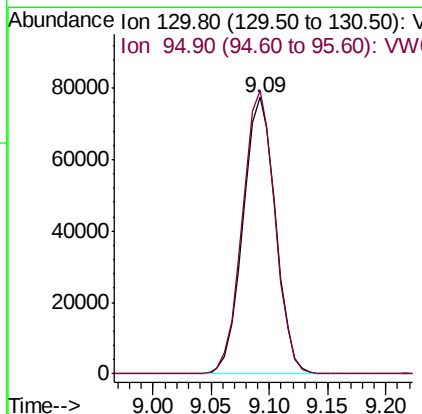
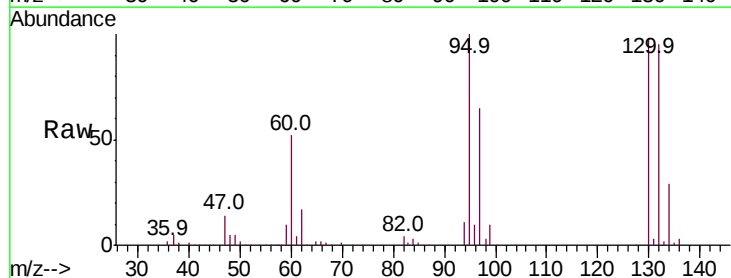
RT: 9.09 min Scan# 1179

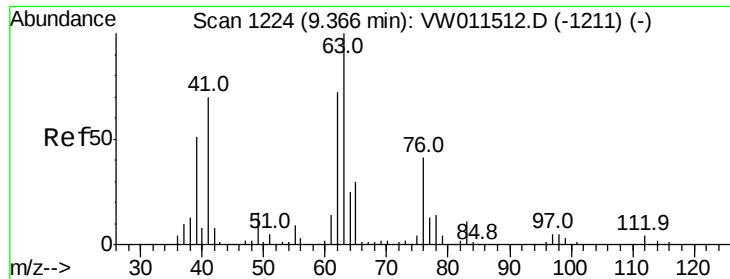
Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion:	130	Resp:	151155
Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	204.8





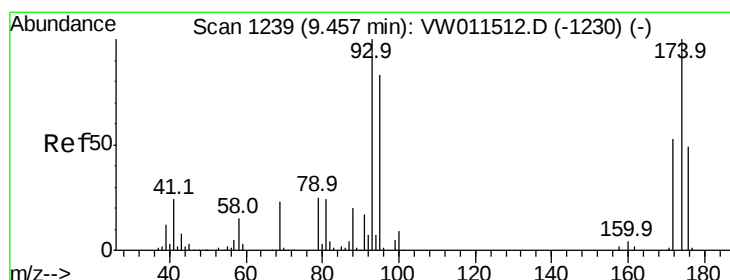
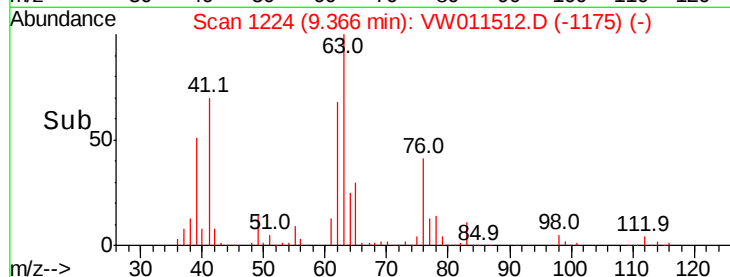
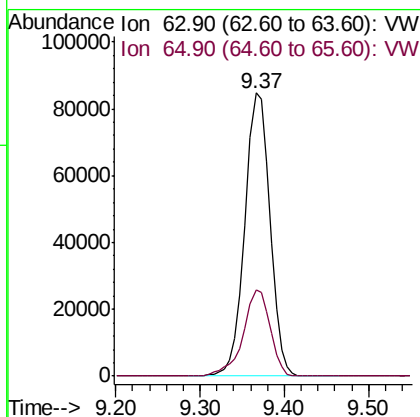
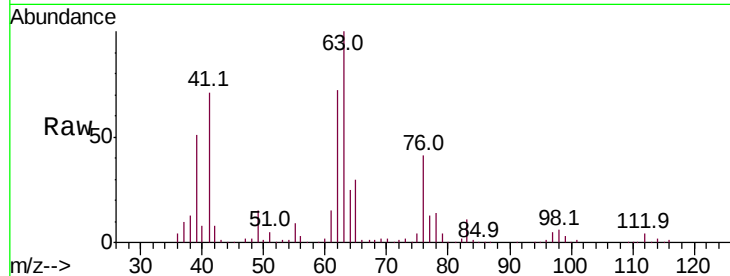
#45
 1,2-Dichloropropane
 Concen: 53.649 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 169944
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.2 36.4

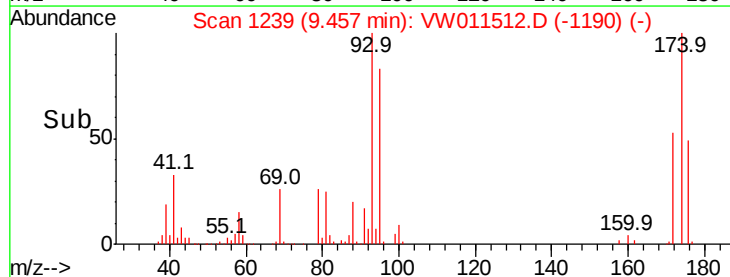
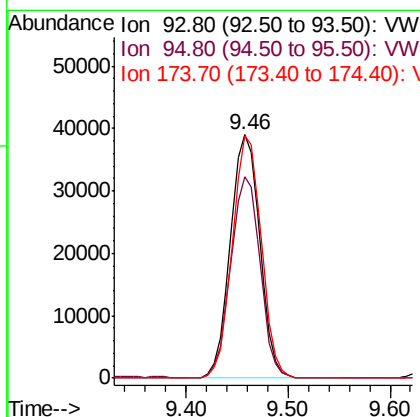
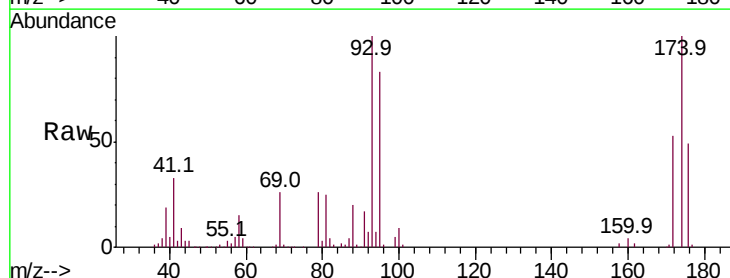
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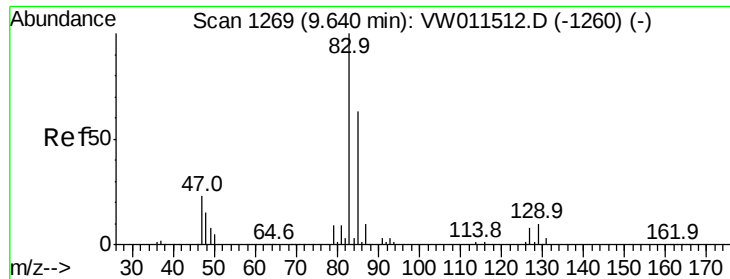
MMDadoda
 7/29/2019 9:17:43 AM



#46
 Dibromomethane
 Concen: 53.682 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion: 93 Resp: 77613
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.2
 174 97.8 78.2 117.4





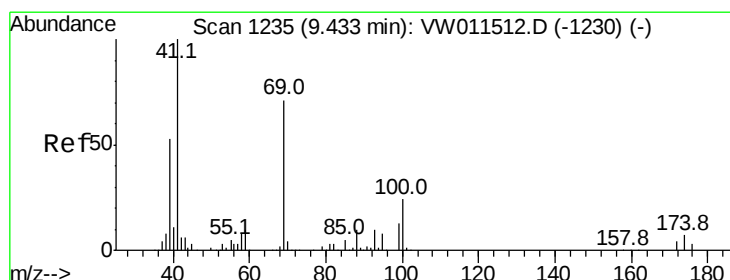
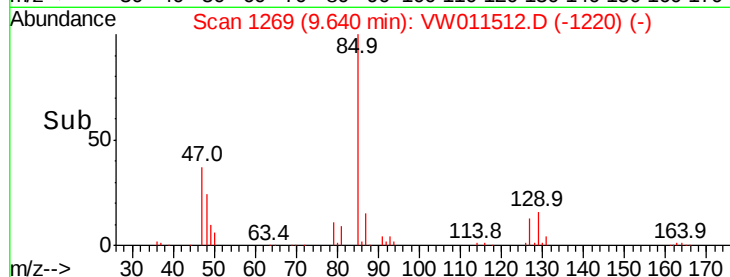
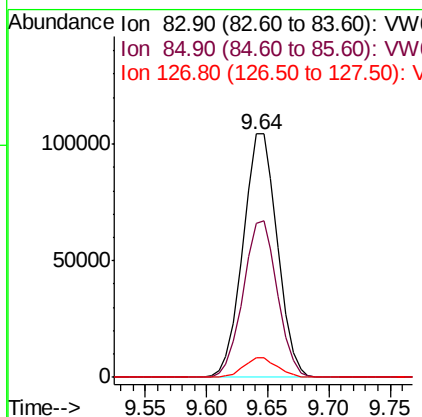
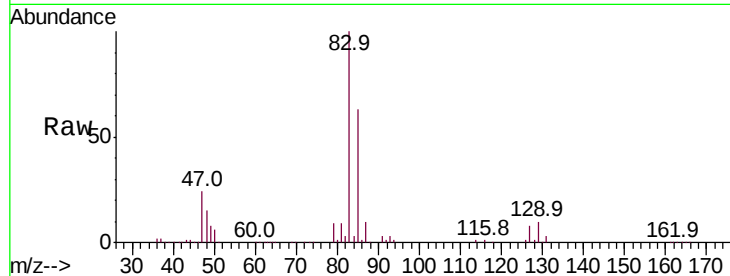
#47
Bromodichloromethane
Concen: 53.748 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	203841		
85	63.1		50.5	75.7
127	8.0		6.4	9.6

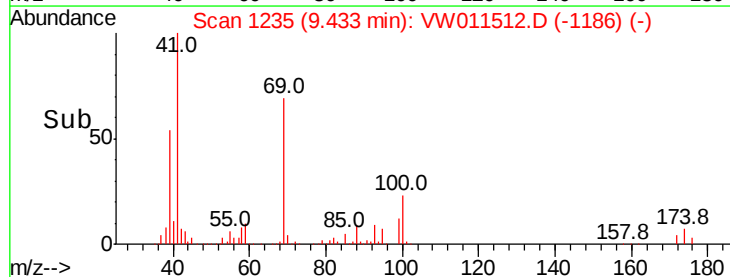
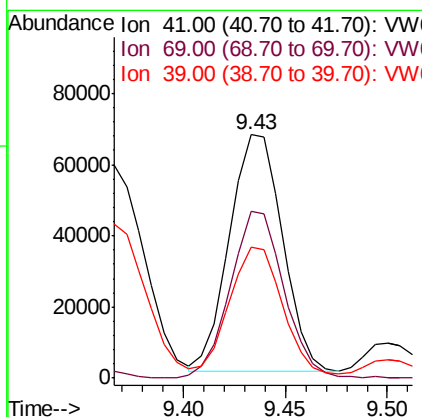
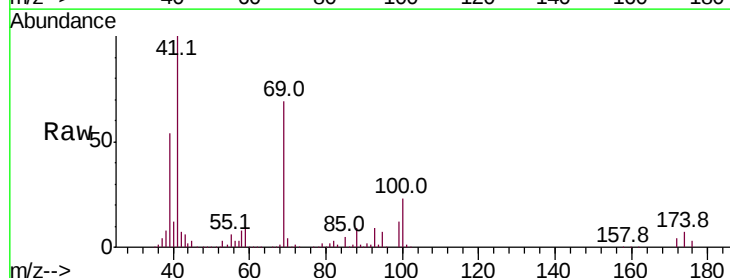
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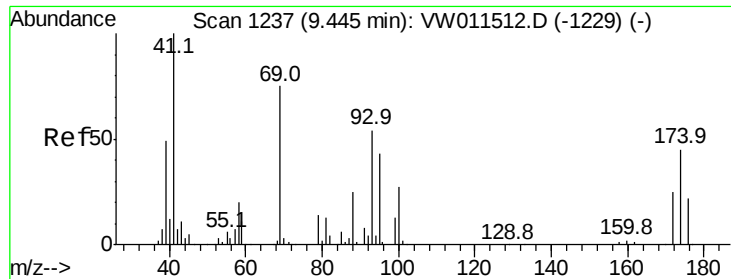
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#48
Methyl methacrylate
Concen: 55.783 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	119832		
69	71.4		57.1	85.7
39	56.8		45.4	68.2





#49

1,4-Dioxane

Concen: 1098.011 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 88 Resp: 22986

Ion Ratio Lower Upper

88 100

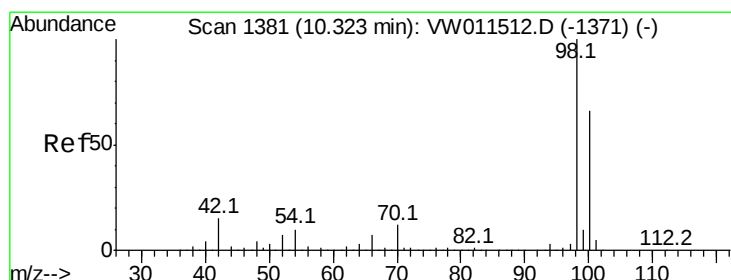
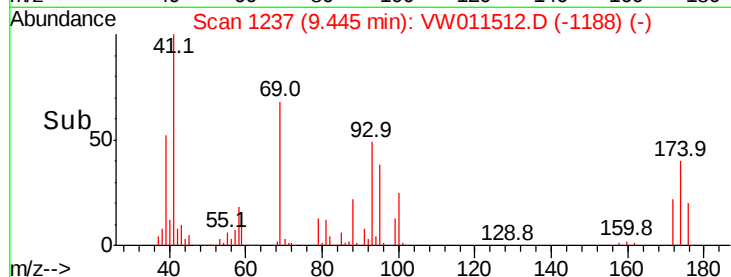
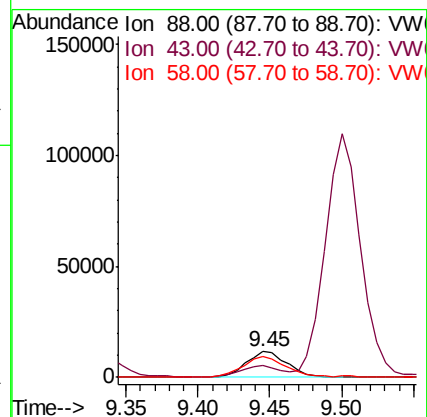
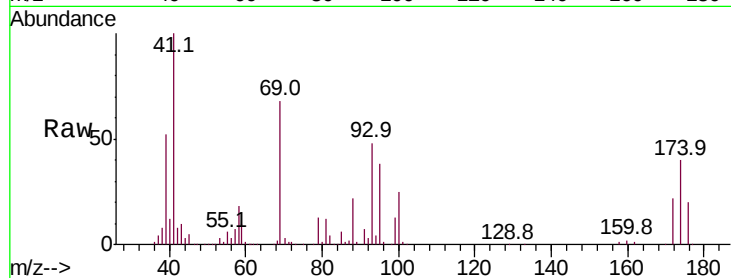
43 42.5 34.0 51.0

58 87.1 69.7 104.5

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#50

Toluene-d8

Concen: 52.063 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011512.D

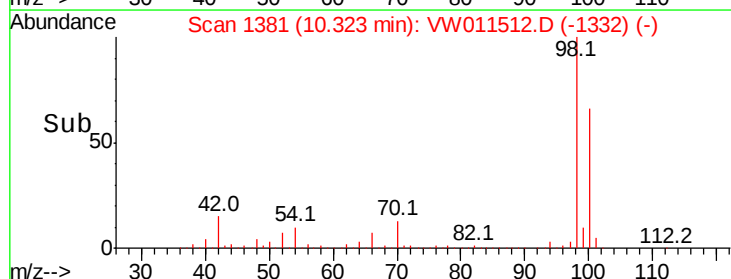
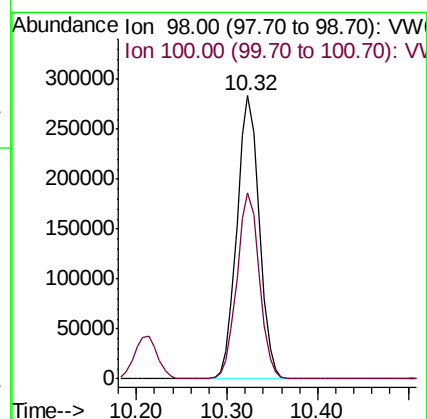
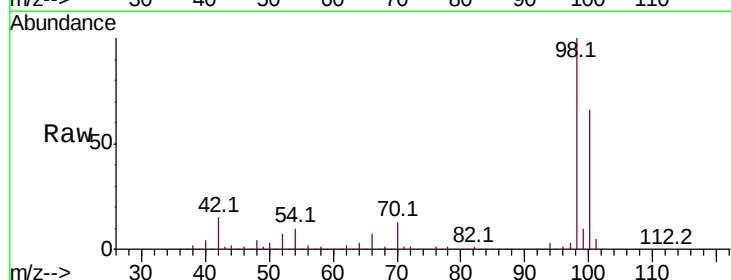
Acq: 26 Jul 2019 12:50

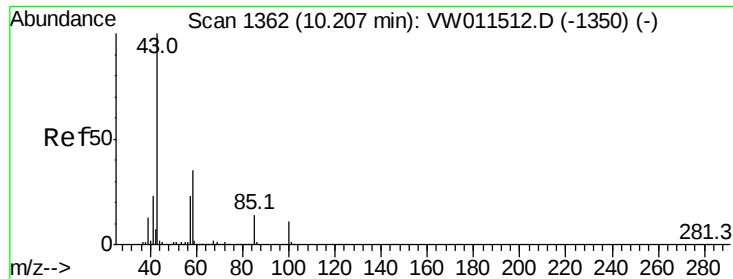
Tgt Ion: 98 Resp: 486089

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 276.946 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 644210

Ion Ratio Lower Upper

43 100

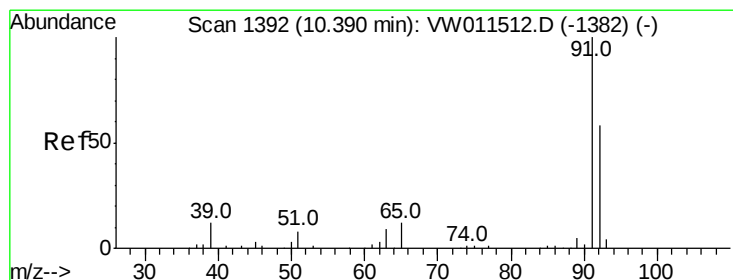
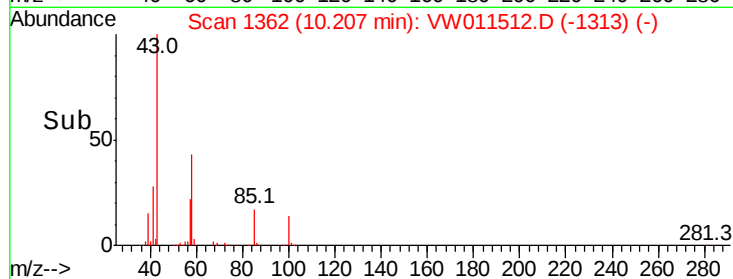
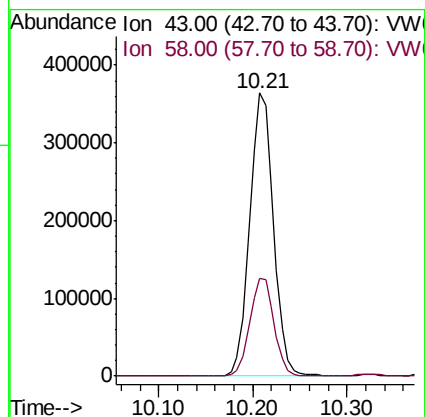
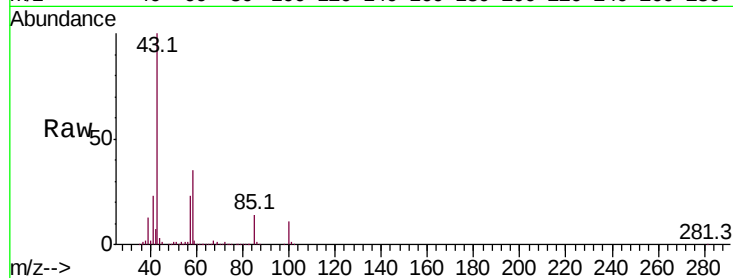
58 35.2 28.2 42.2

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#52

Toluene

Concen: 53.391 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011512.D

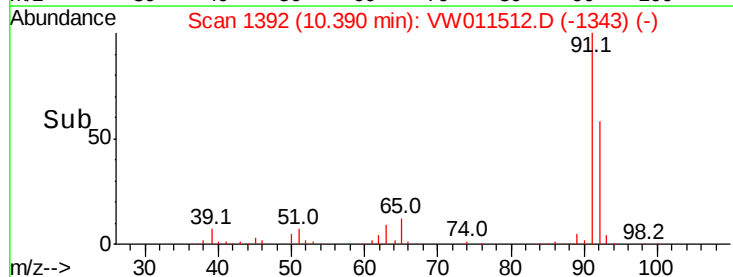
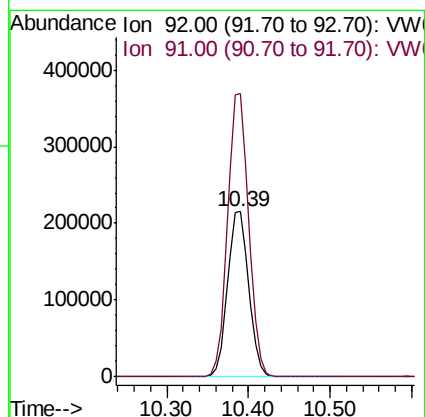
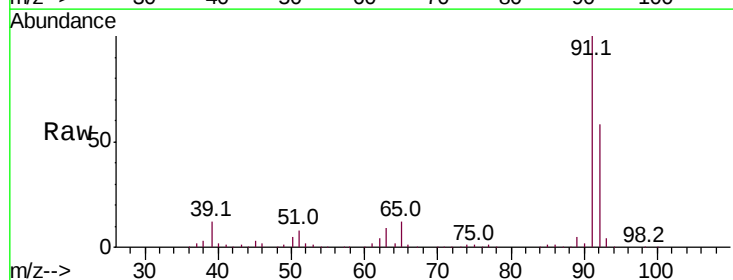
Acq: 26 Jul 2019 12:50

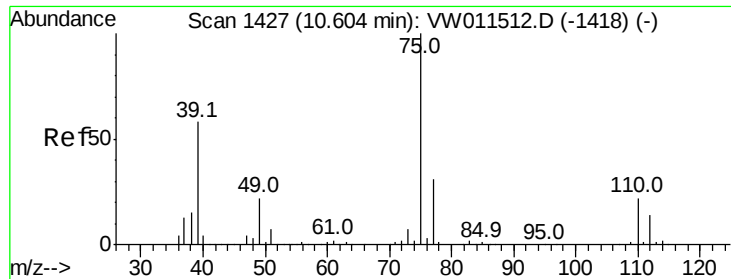
Tgt Ion: 92 Resp: 381715

Ion Ratio Lower Upper

92 100

91 170.9 136.7 205.1





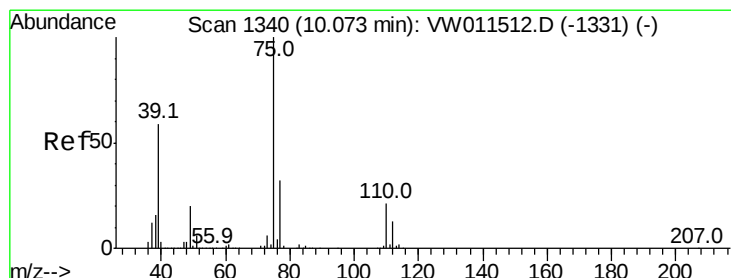
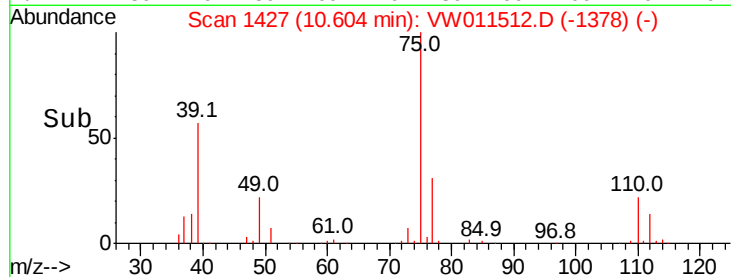
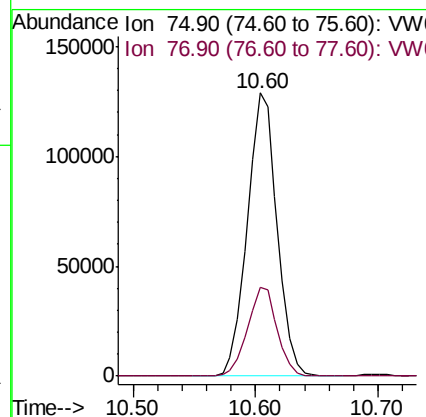
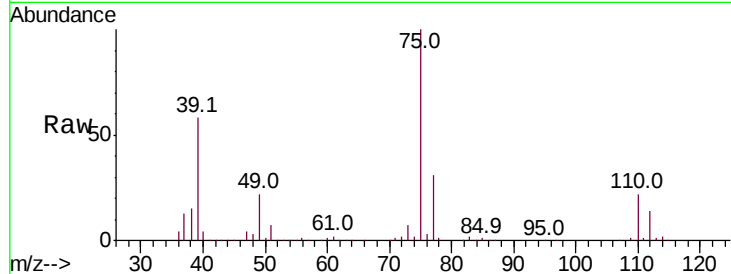
#53
t-1,3-Dichloropropene
Concen: 54.799 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 217098
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4

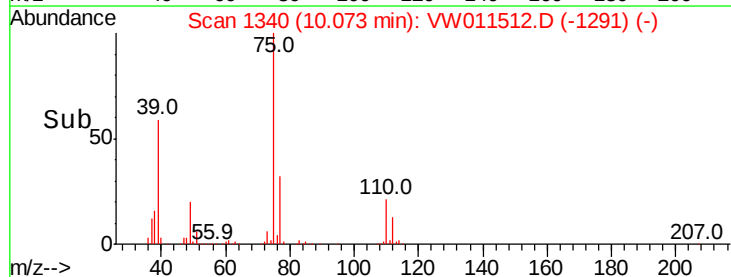
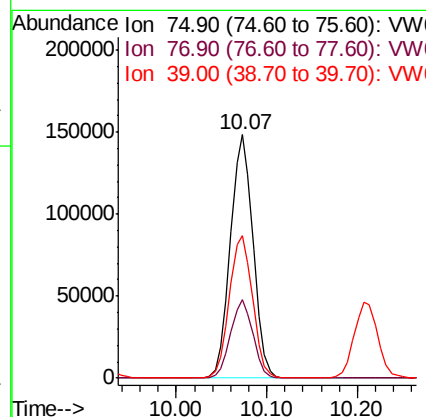
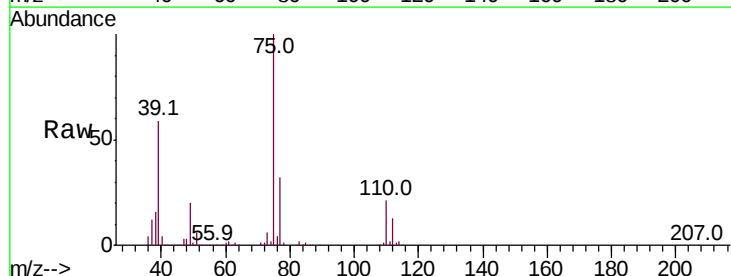
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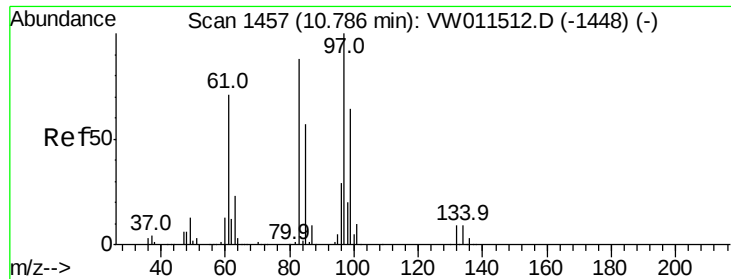
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#54
cis-1,3-Dichloropropene
Concen: 54.739 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 75 Resp: 257847
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
39 58.7 47.0 70.4





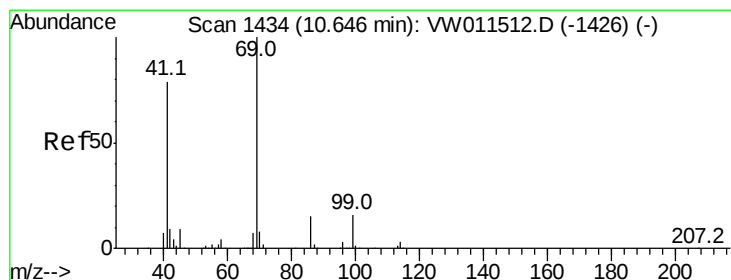
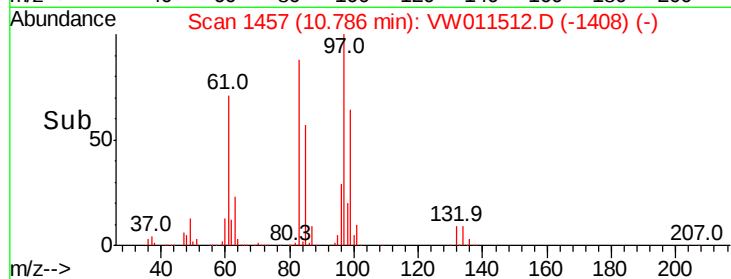
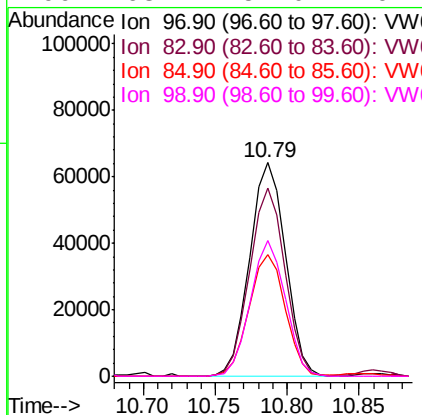
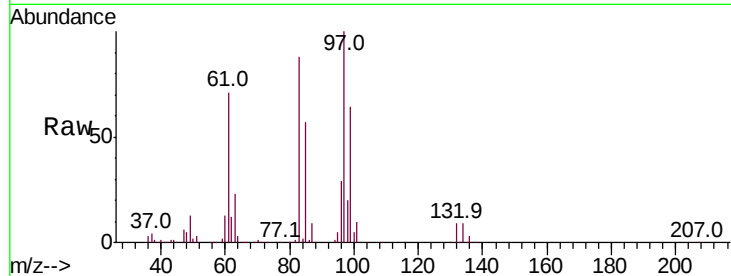
#55
 1,1,2-Trichloroethane
 Concen: 53.905 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	97	Resp	110579
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.5	105.7
85	57.2	45.8	68.6
99	63.7	51.0	76.4

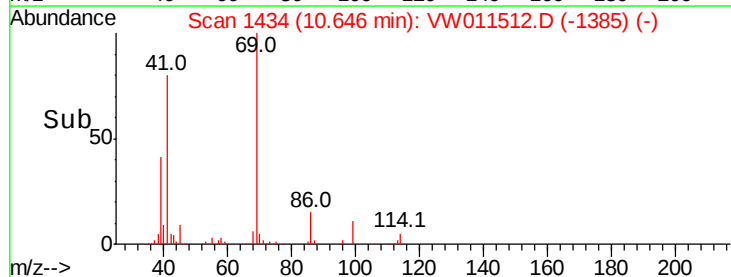
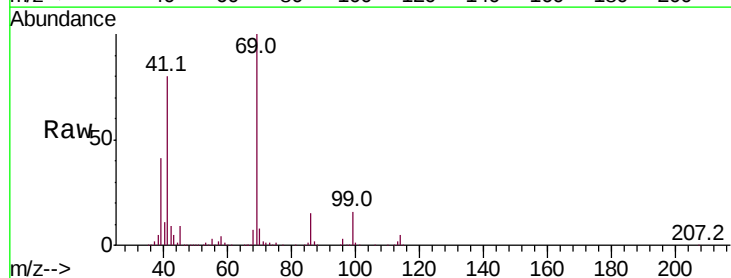
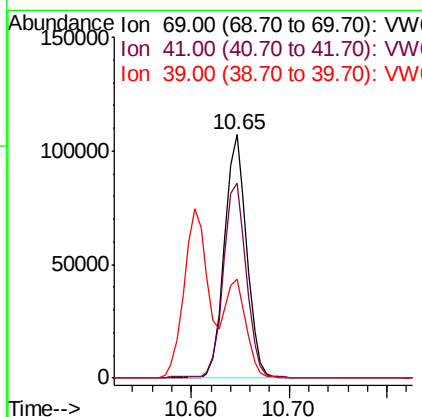
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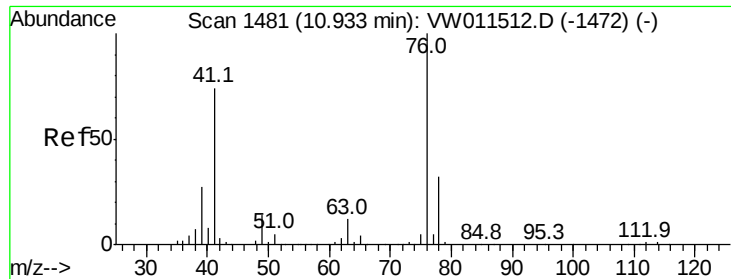
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#56
 Ethyl methacrylate
 Concen: 56.424 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	69	Resp	169375
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.6	99.8
39	37.9	30.3	45.5





#57

1,3-Dichloropropane

Concen: 54.212 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

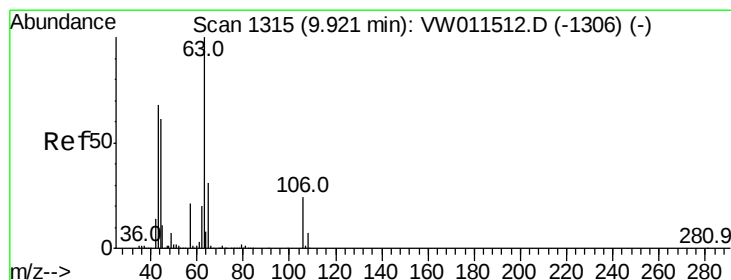
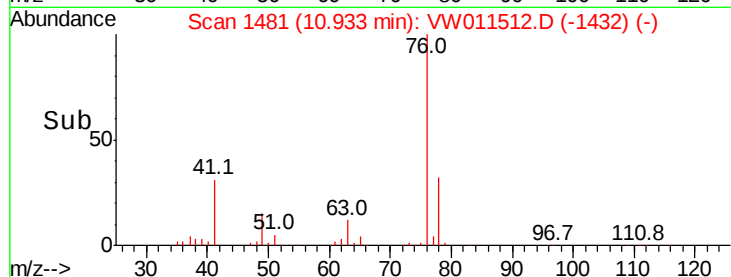
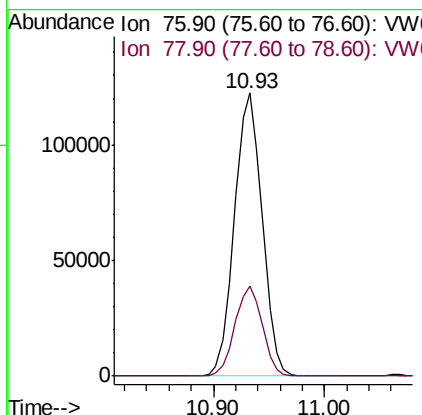
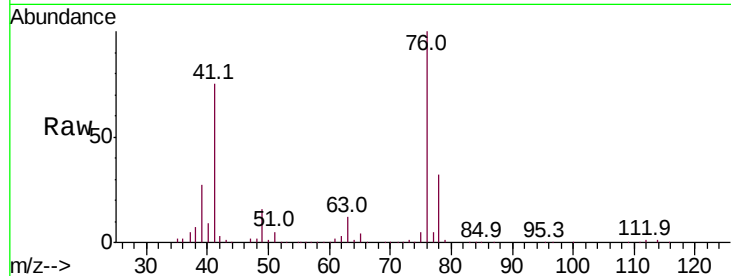
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 210397

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.2	37.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 279.372 ug/l

RT: 9.92 min Scan# 1315

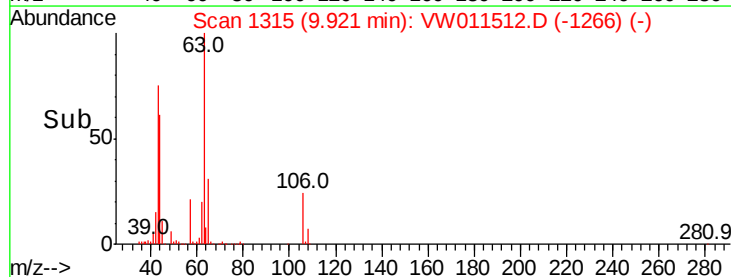
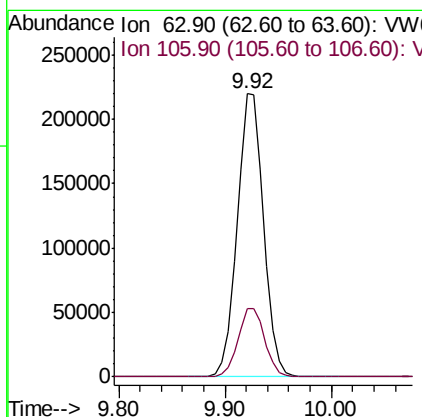
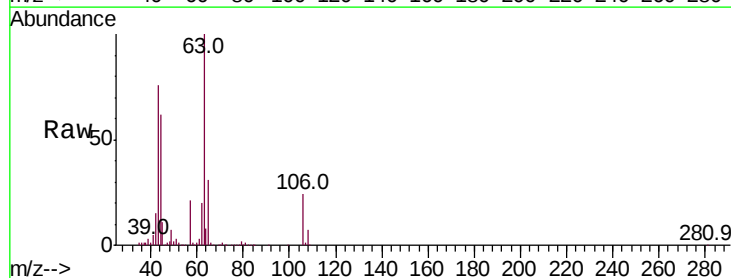
Delta R.T. 0.00 min

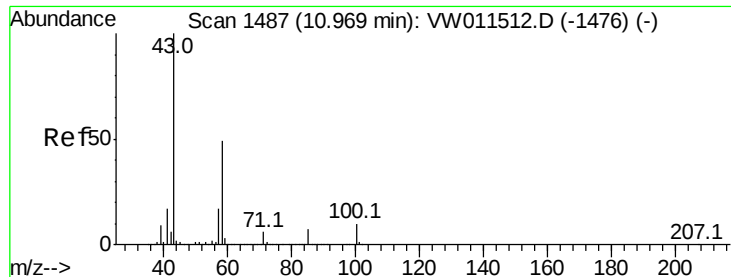
Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion: 63 Resp: 380768

Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.7	29.5





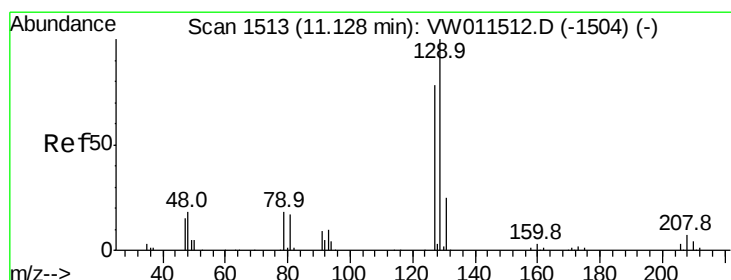
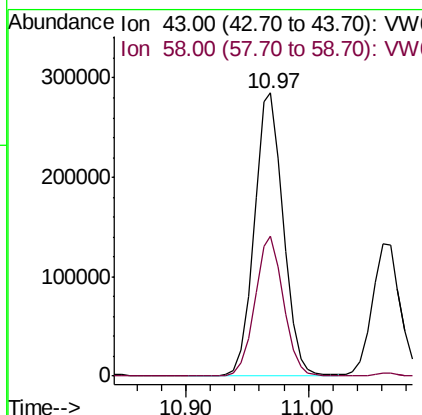
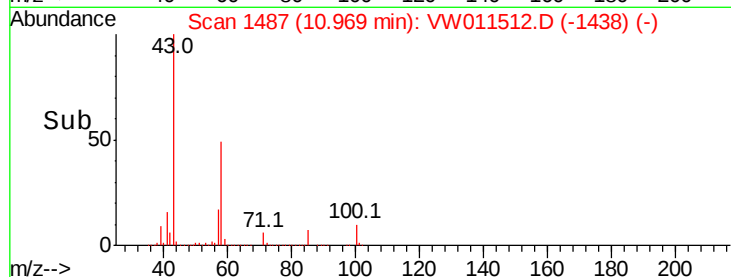
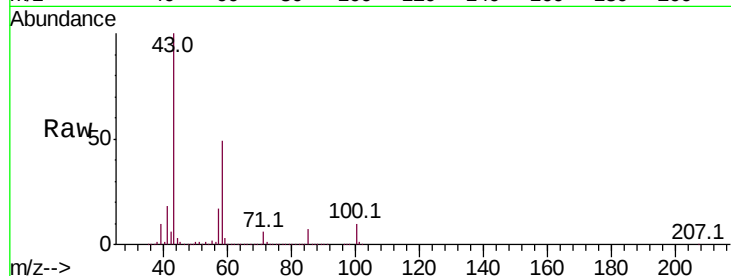
#59
2-Hexanone
Concen: 286.358 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 470312
Ion Ratio Lower Upper
43 100
58 48.6 24.3 72.9

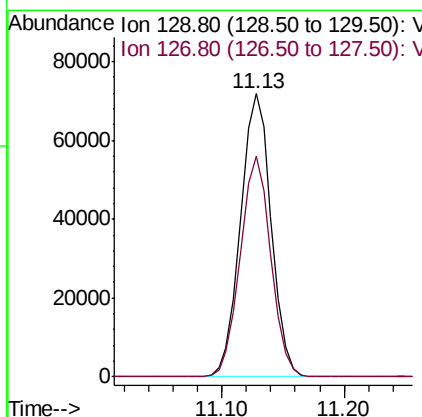
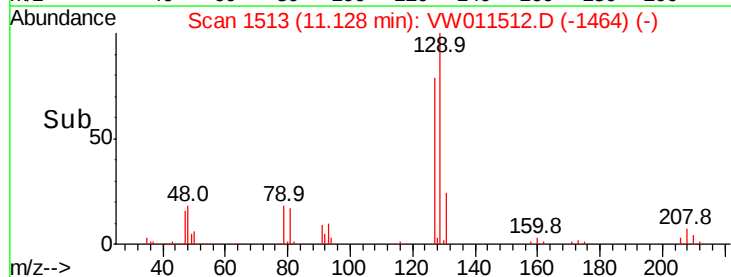
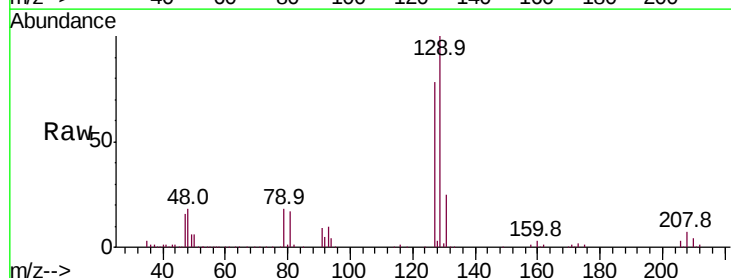
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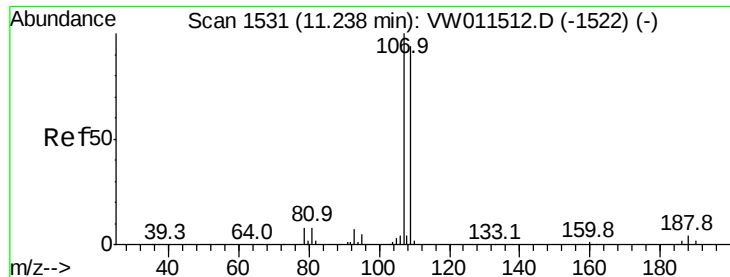
MMDadoda
7/29/2019 9:17:43 AM



#60
Dibromochloromethane
Concen: 54.652 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion: 129 Resp: 124447
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





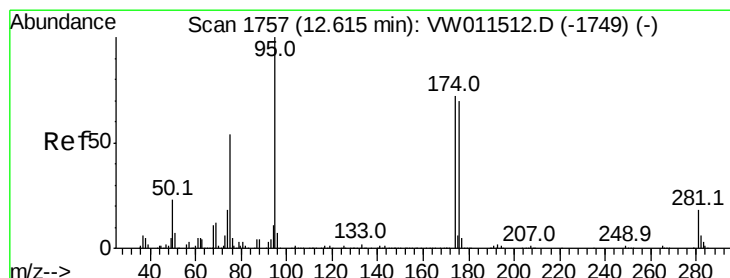
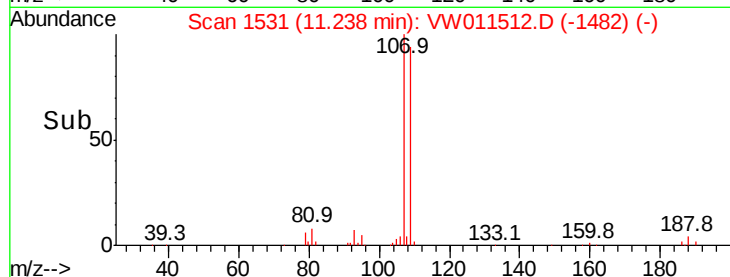
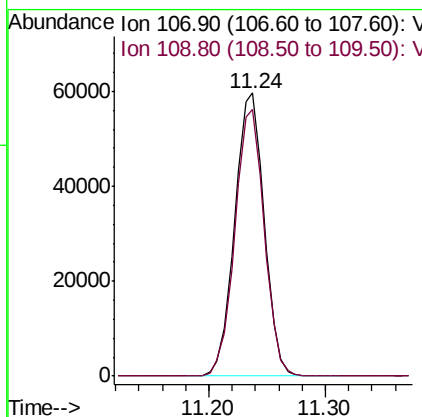
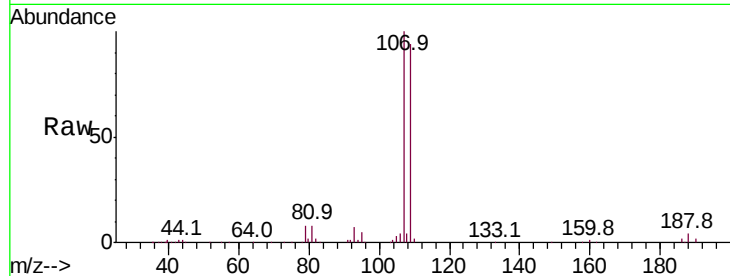
#61
 1,2-Dibromoethane
 Concen: 54.218 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

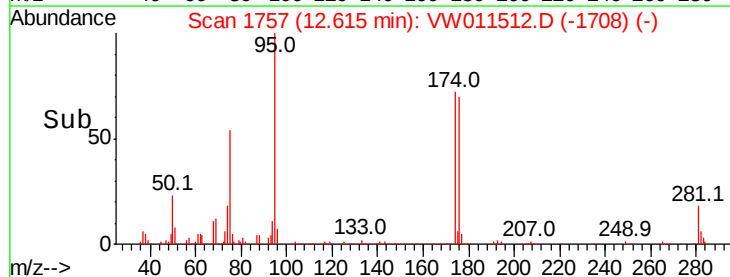
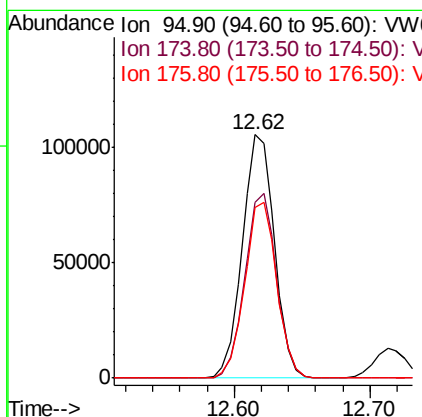
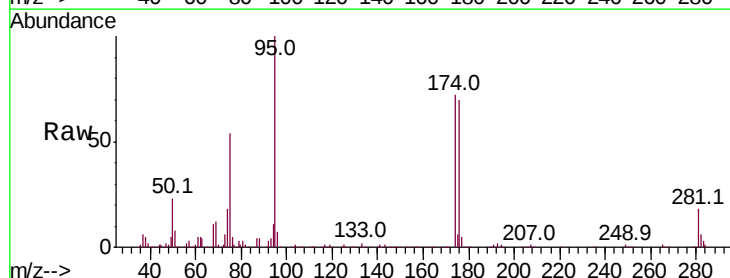
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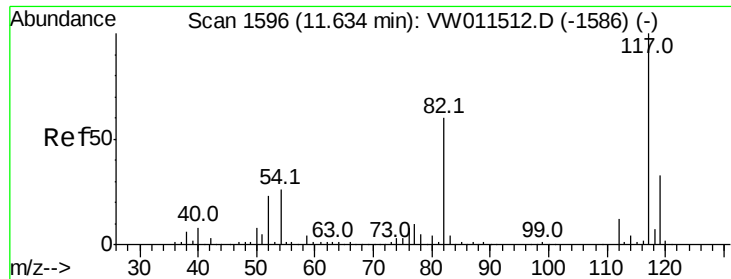
MMDadoda
 7/29/2019 9:17:43 AM



#62
 4-Bromofluorobenzene
 Concen: 52.174 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.2
176	72.2	0.0	144.4





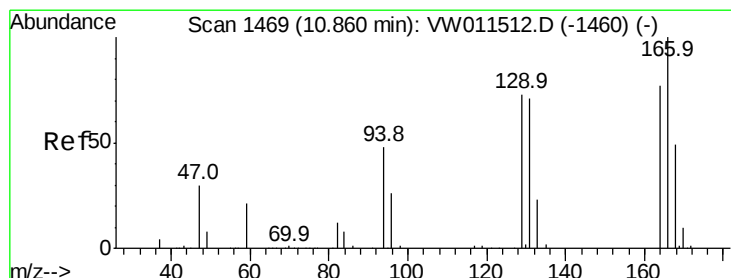
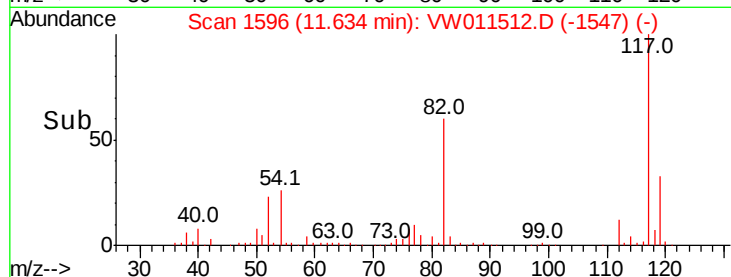
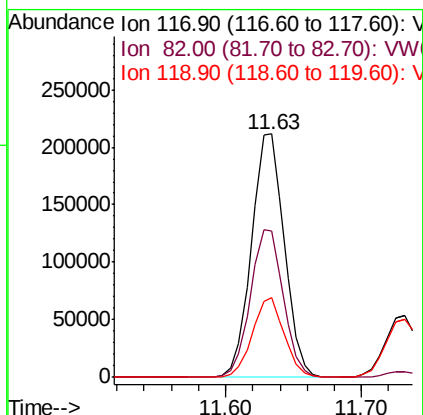
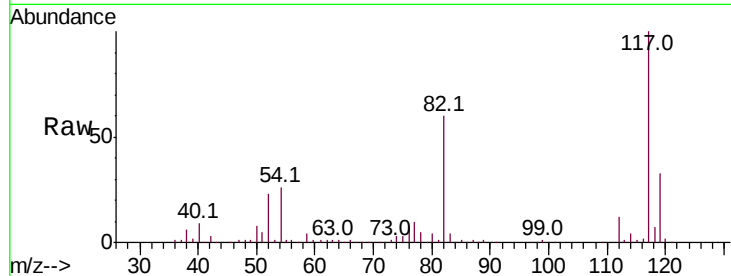
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	59.9	47.9	71.9	
119	32.7	26.2	39.2	

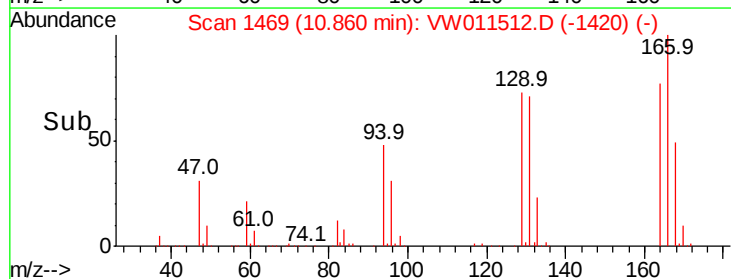
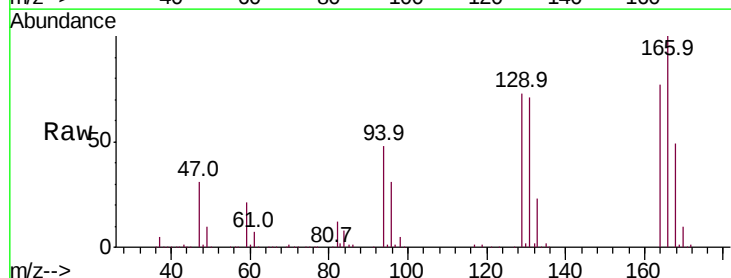
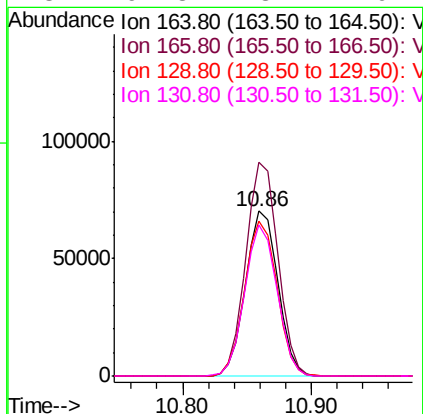
Manual Integrations
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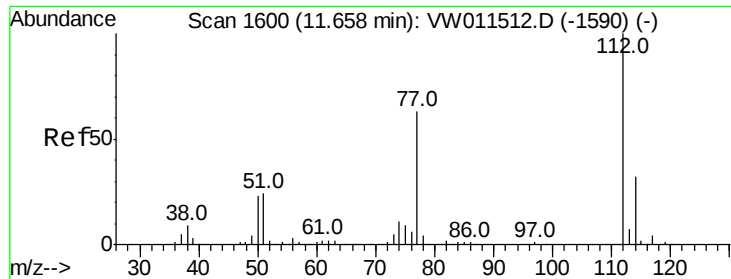
MMDadoda
7/29/2019 9:17:43 AM



#64
Tetrachloroethene
Concen: 52.086 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.4	103.5	155.3	
129	94.0	75.2	112.8	
131	91.8	73.4	110.2	





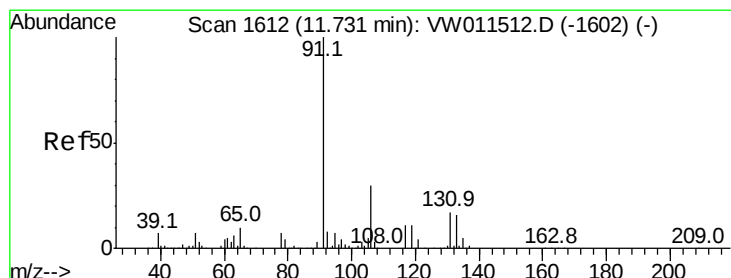
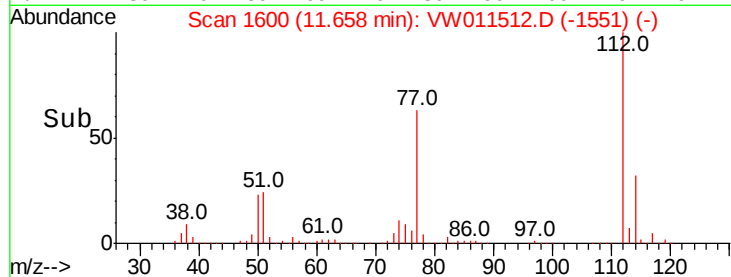
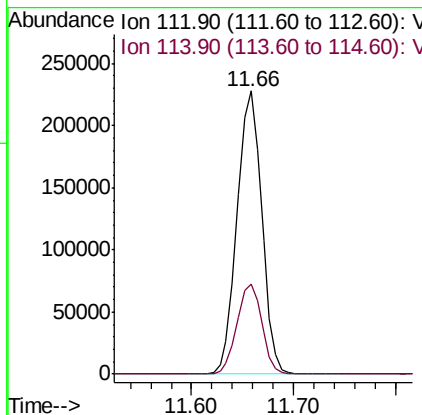
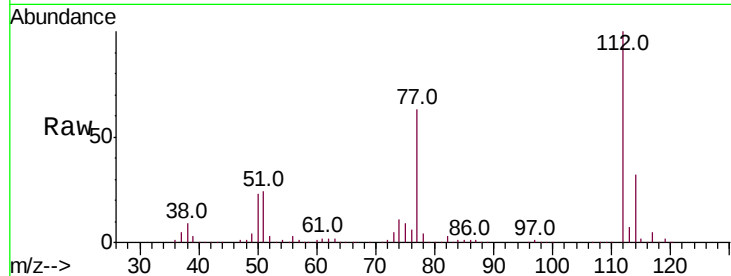
#65
Chlorobenzene
Concen: 52.821 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 380871
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

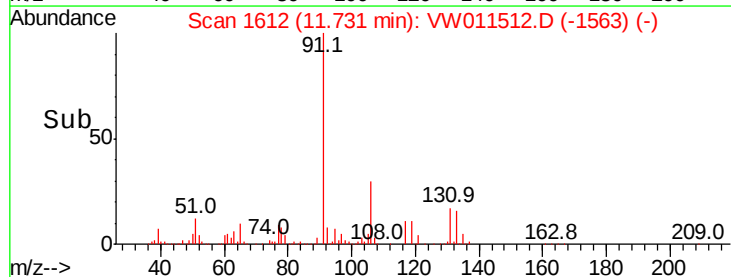
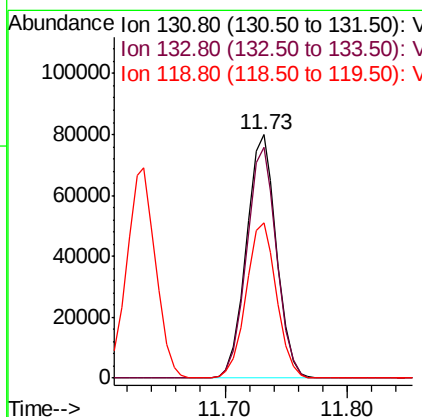
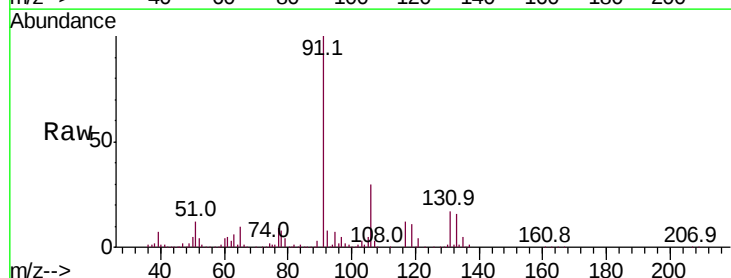
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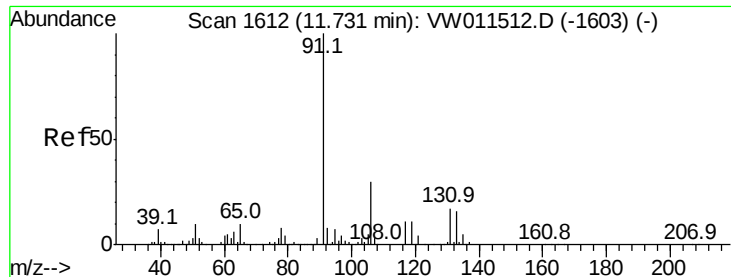
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.146 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion:131 Resp: 135995
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 64.6 32.3 96.9





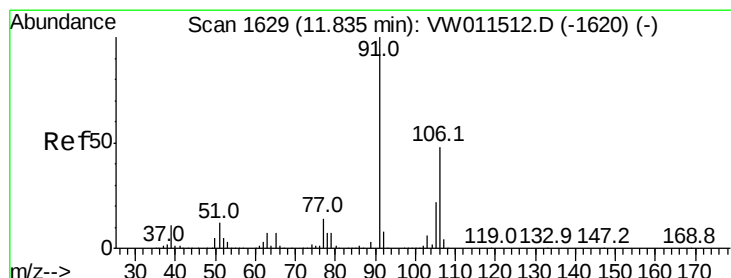
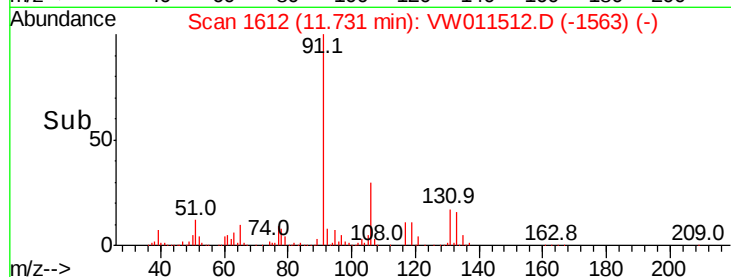
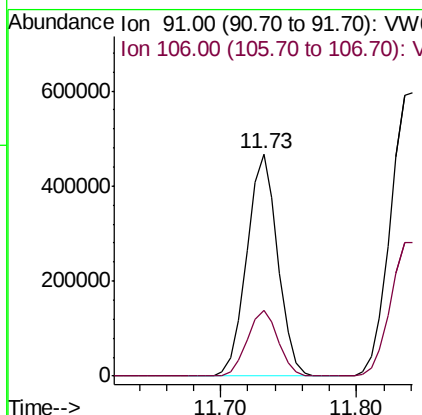
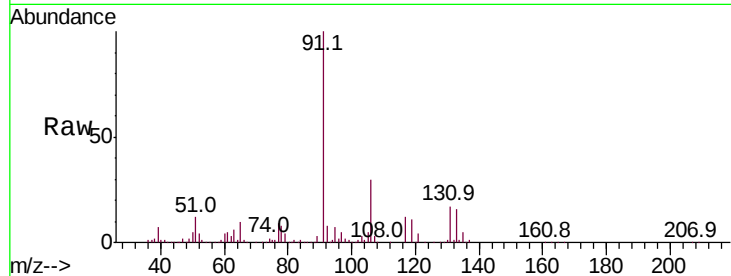
#67
Ethyl Benzene
Concen: 53.920 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6

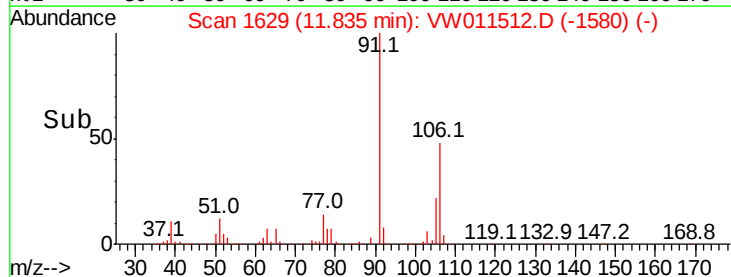
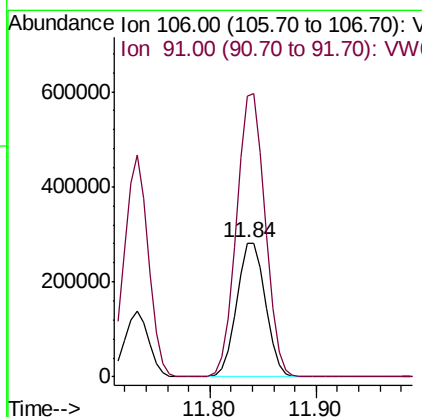
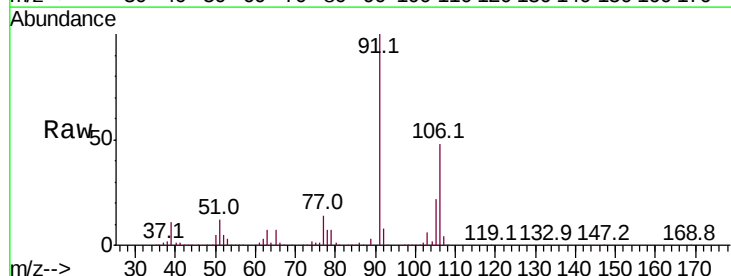
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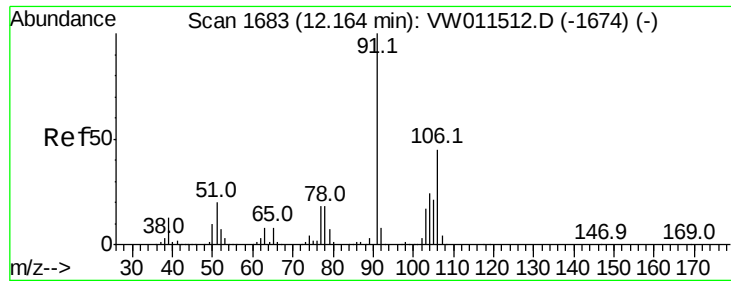
MMDadoda
7/29/2019 9:17:43 AM



#68
m/p-Xylenes
Concen: 107.344 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.2	168.2	252.2





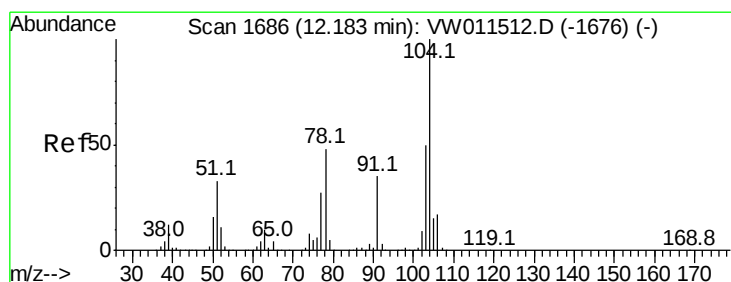
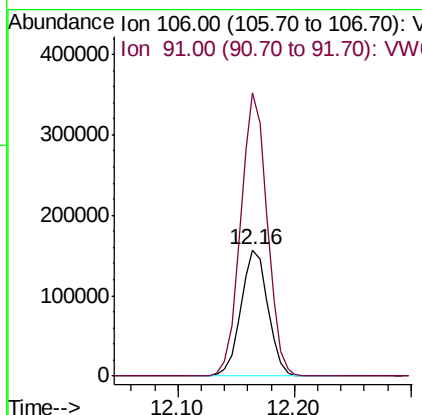
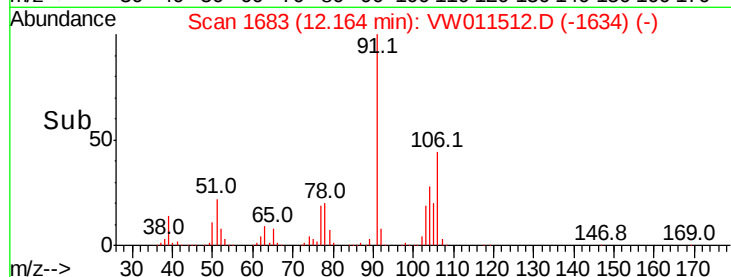
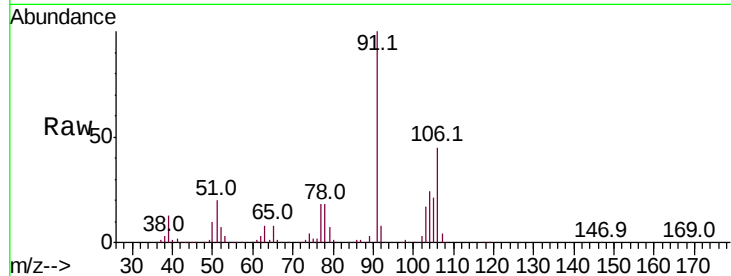
#69
o-Xylene
Concen: 54.502 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.0	110.5	331.5

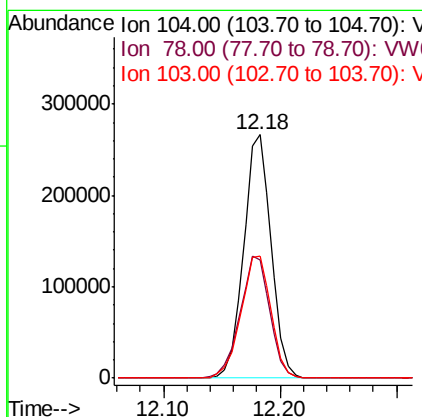
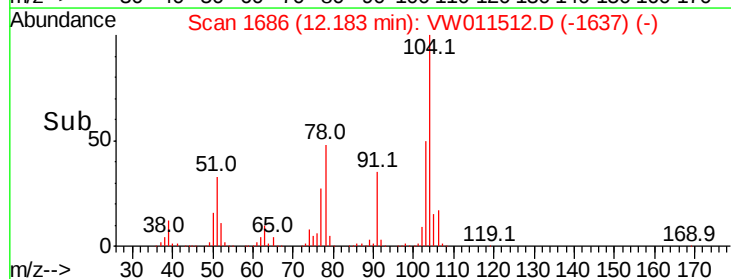
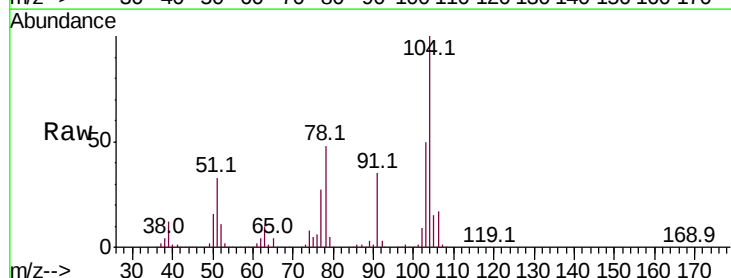
Manual Integrations
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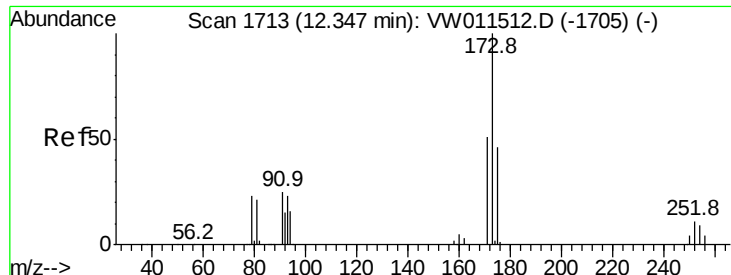
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#70
Styrene
Concen: 54.472 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.4	65.0
103	54.9	43.9	65.9





#71

Bromoform

Concen: 56.308 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 72108

Ion Ratio Lower Upper

173 100

175 47.3 23.6 71.0

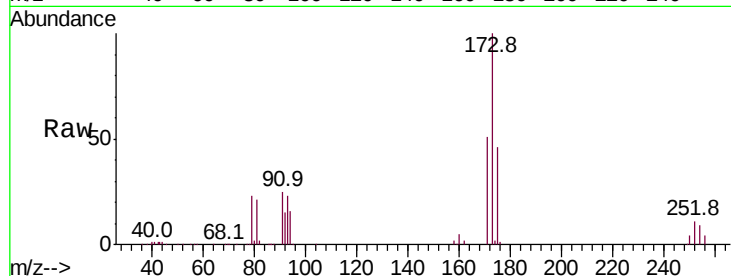
254 0.1 0.1 0.1#

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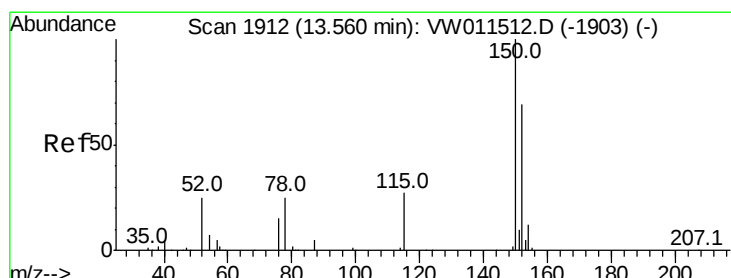
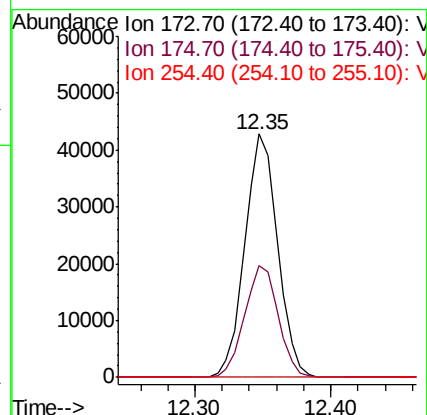
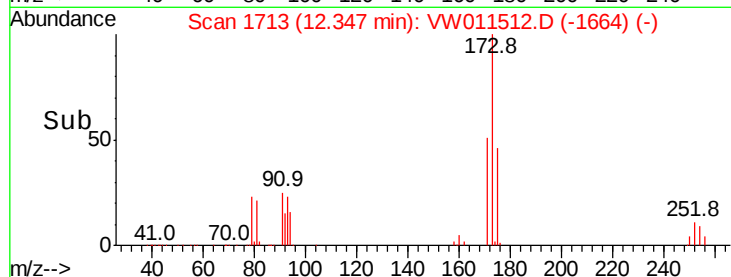
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

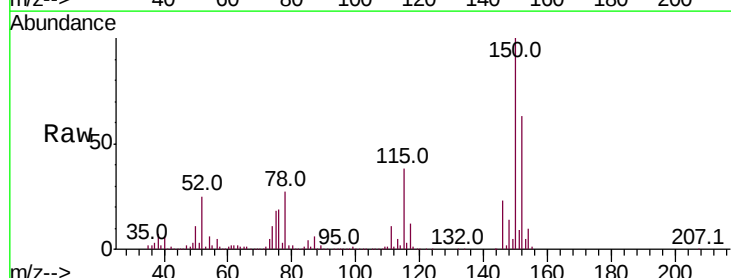
Tgt Ion:152 Resp: 172954

Ion Ratio Lower Upper

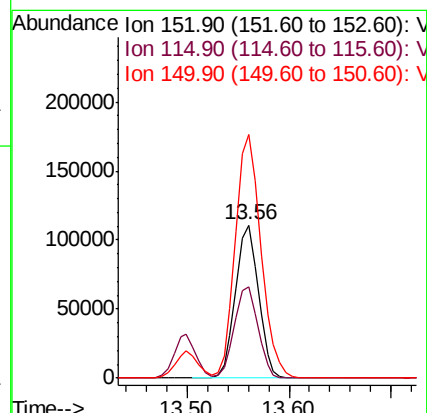
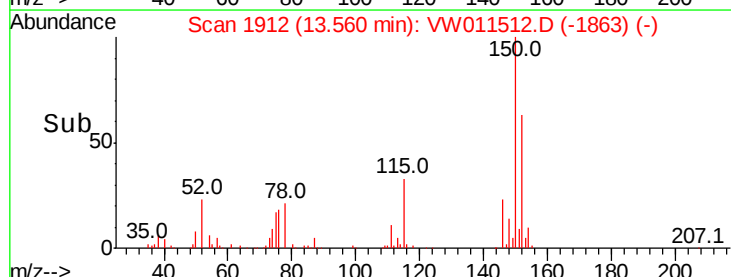
152 100

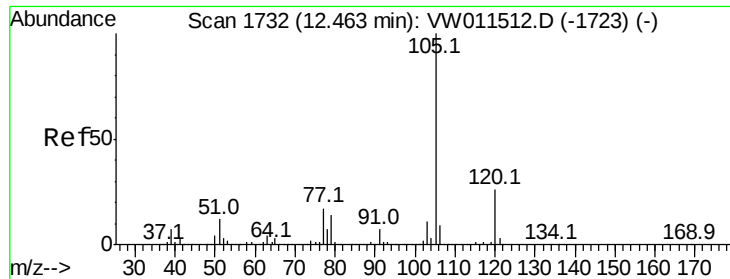
115 61.0 30.5 91.5

150 176.3 0.0 352.6



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: 53.635 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 692044

Ion Ratio Lower Upper

105 100

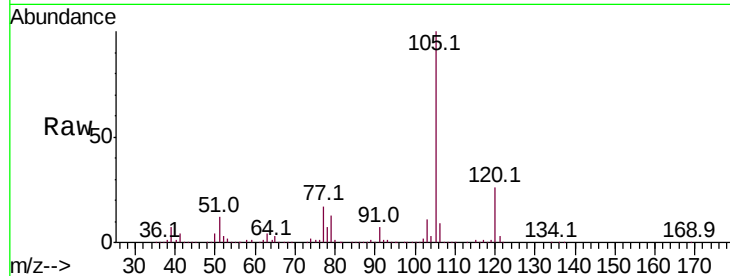
120 25.8 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

0

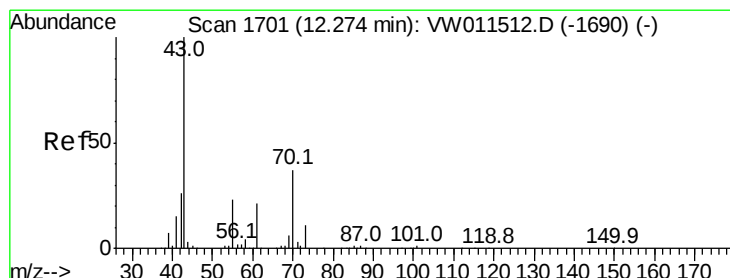
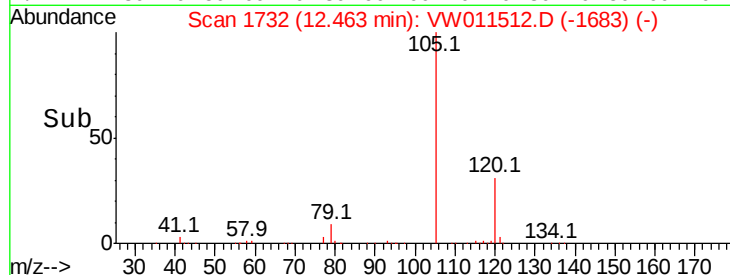
12.46

12.40

12.50

12.60

Time-->



#74

N-ethyl acetate

Concen: 56.261 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion: 43 Resp: 227271

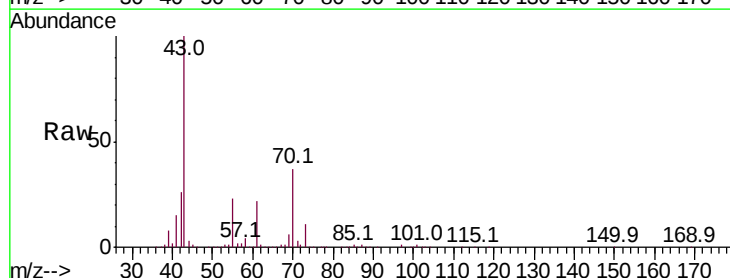
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 22.3 17.8 26.8

61 21.3 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

200000

150000

100000

50000

0

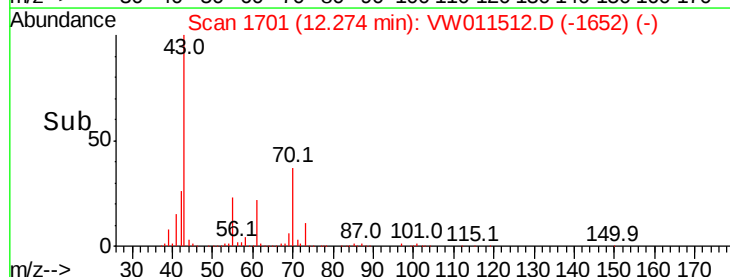
12.27

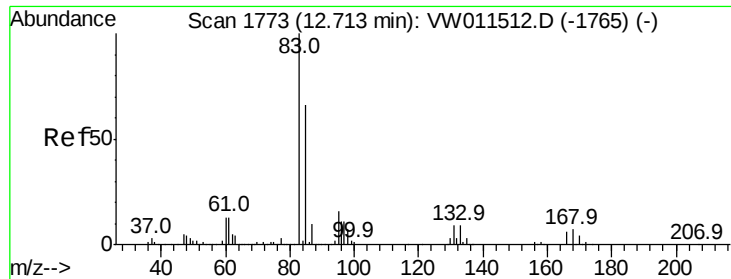
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.638 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

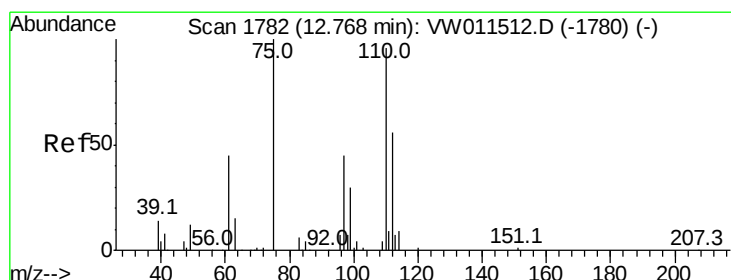
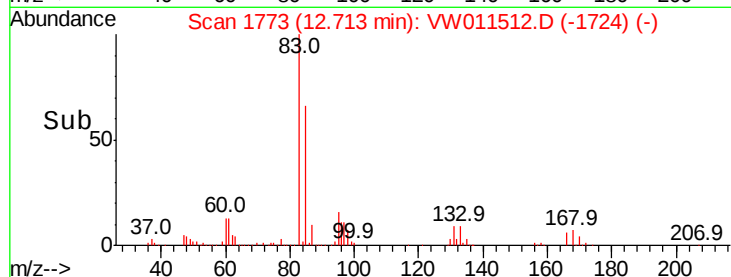
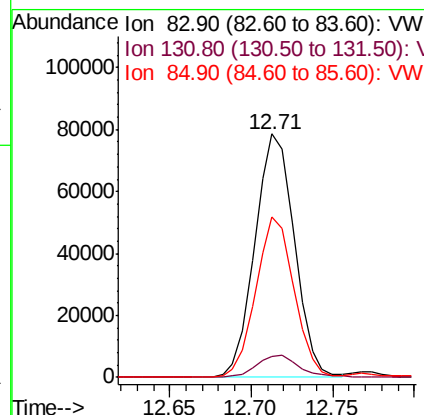
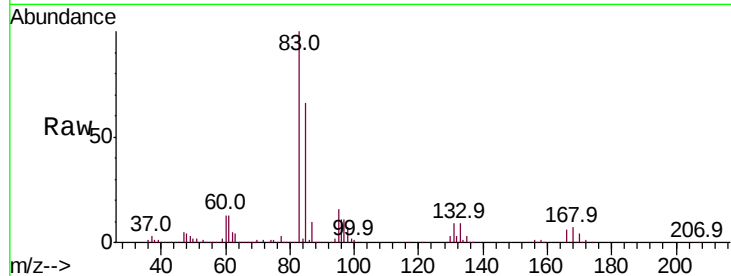
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	132607
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	63.6	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.533 ug/l m

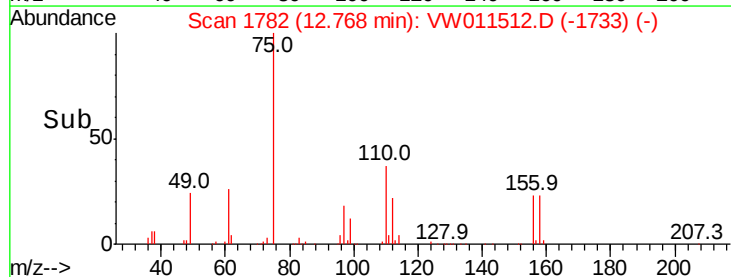
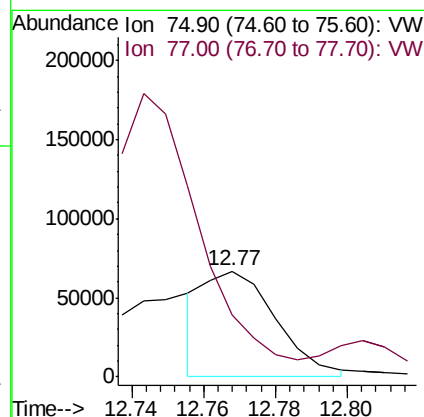
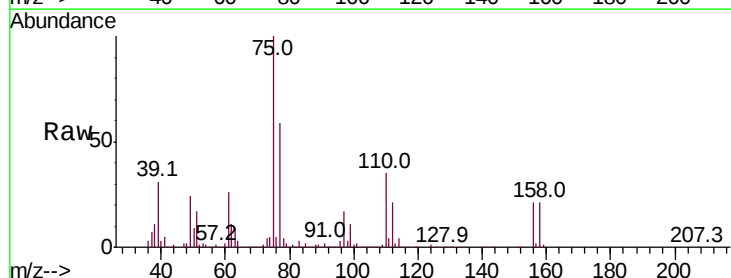
RT: 12.77 min Scan# 1782

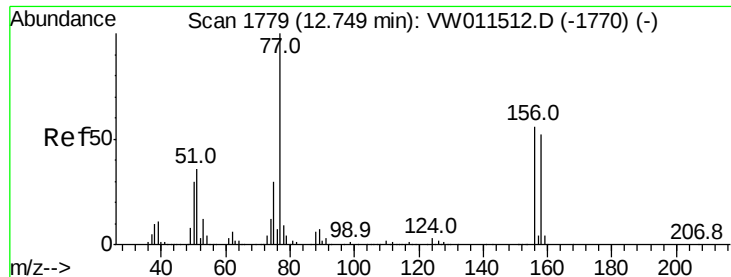
Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion:	75	Resp:	92784
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





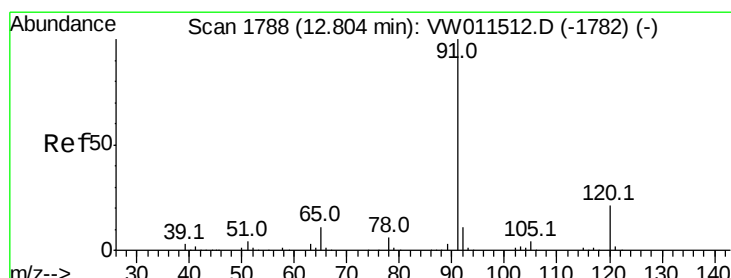
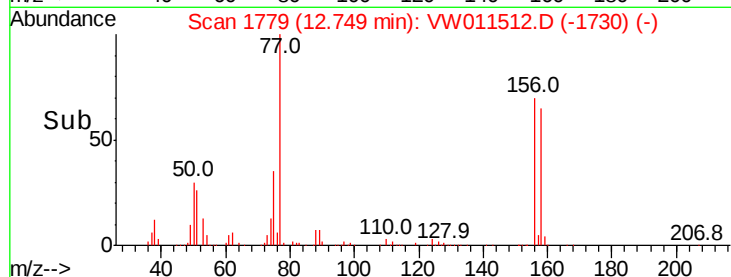
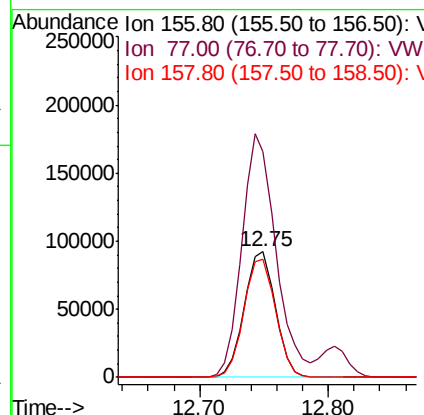
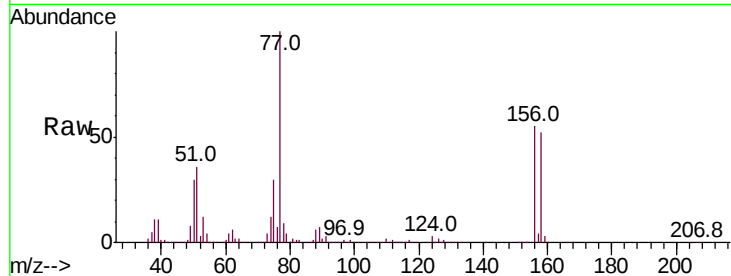
#77
Bromobenzene
Concen: 54.001 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.9	106.5	319.4
158	96.1	48.0	144.2

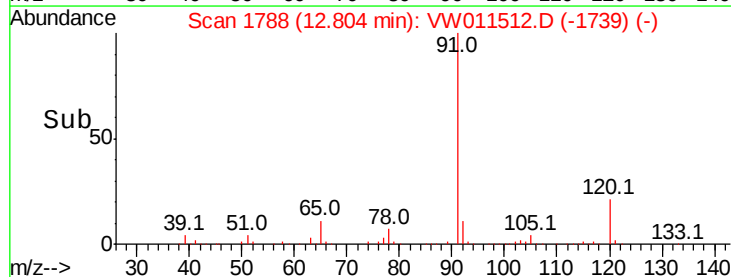
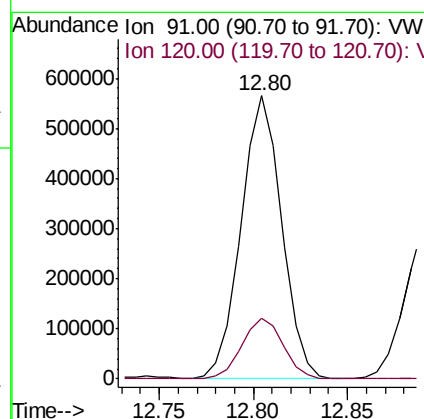
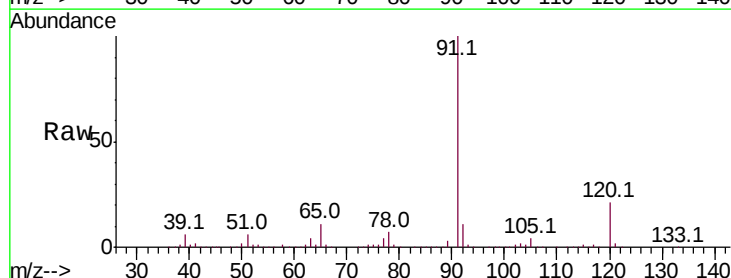
Manual Integrations
APPROVED

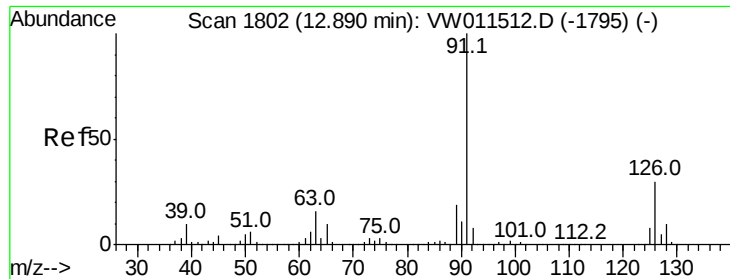
MMDadoda
7/29/2019 9:17:43 AM



#78
n-propylbenzene
Concen: 53.727 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.7





#79

2-Chlorotoluene

Concen: 53.177 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 481059

Ion Ratio Lower Upper

91 100

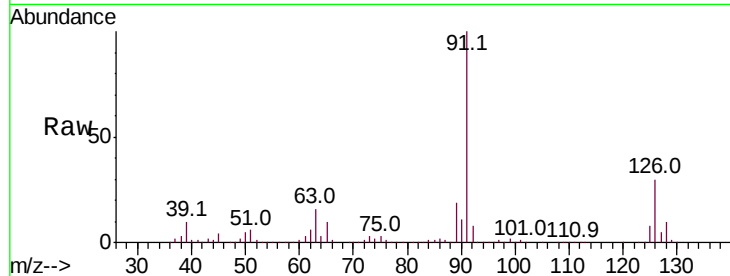
126 31.4 15.7 47.1

Manual Integrations

APPROVED

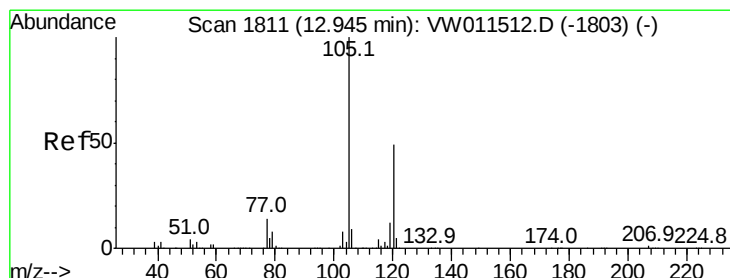
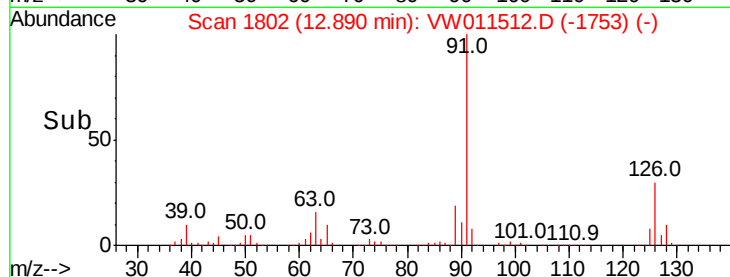
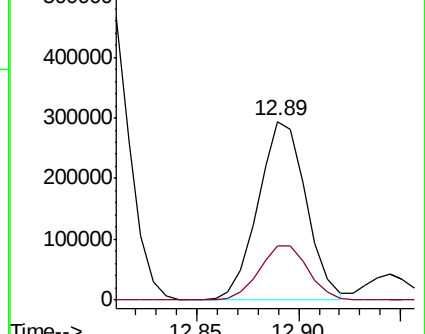
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.247 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011512.D

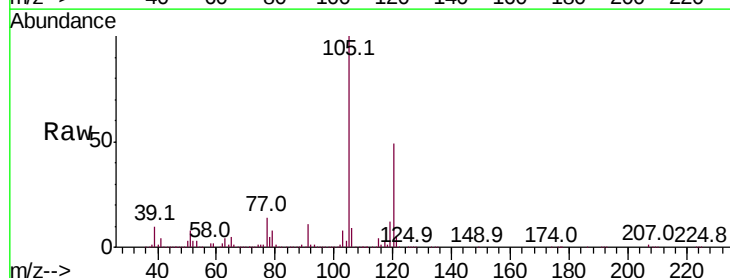
Acq: 26 Jul 2019 12:50

Tgt Ion: 105 Resp: 586720

Ion Ratio Lower Upper

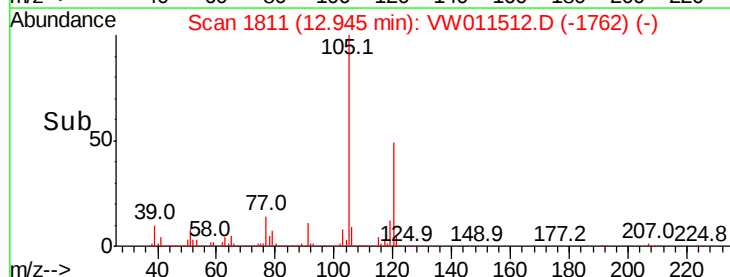
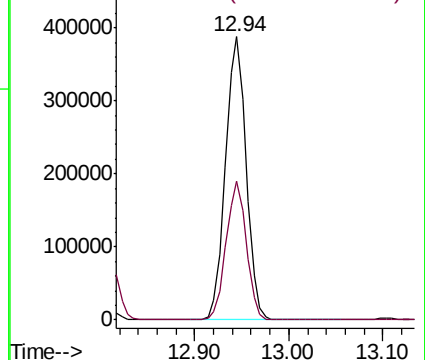
105 100

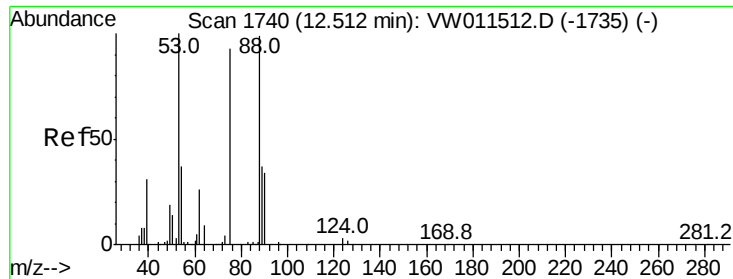
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





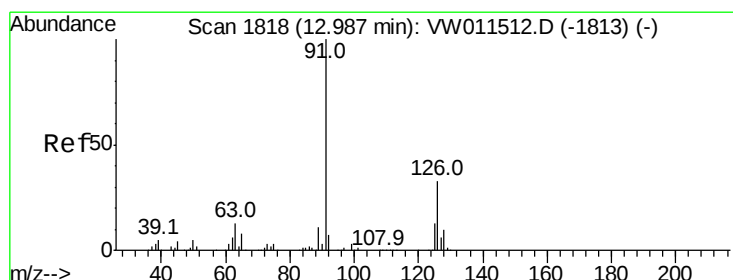
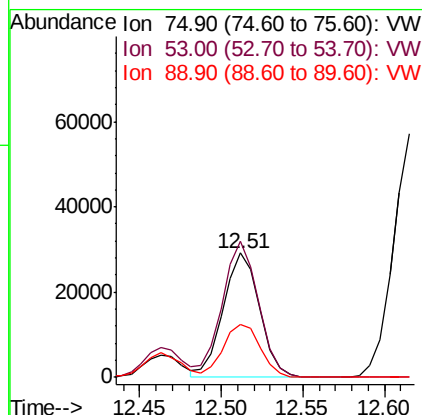
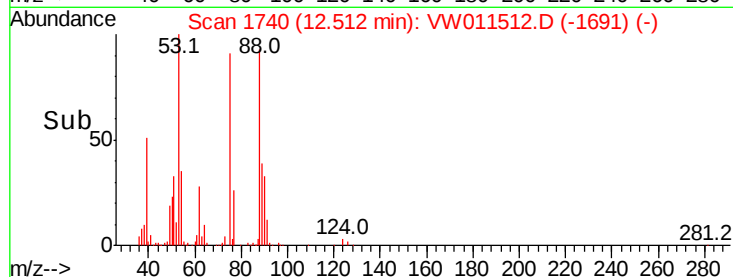
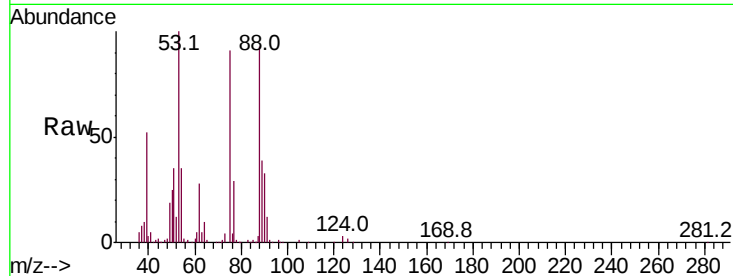
#81
trans-1,4-Dichloro-2-butene
Concen: 56.610 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.0	88.0	132.0
89	44.1	35.3	52.9

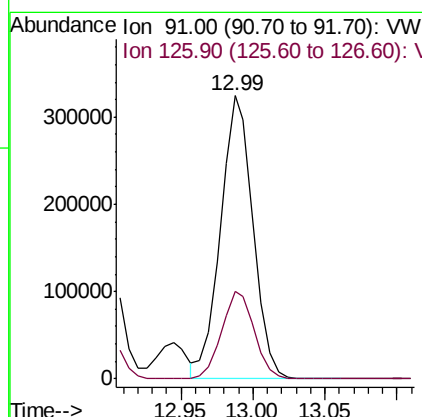
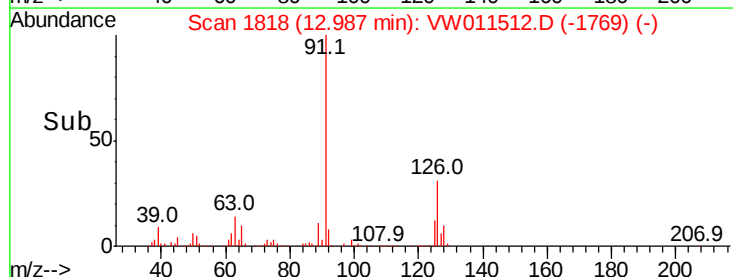
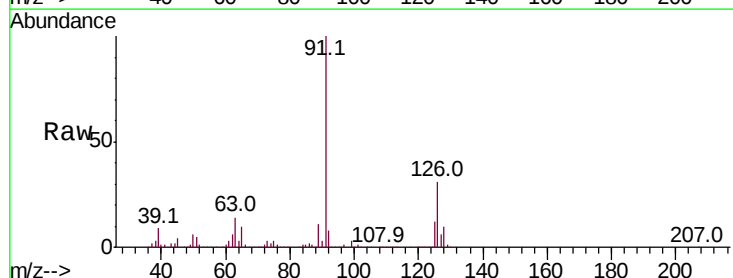
Manual Integrations
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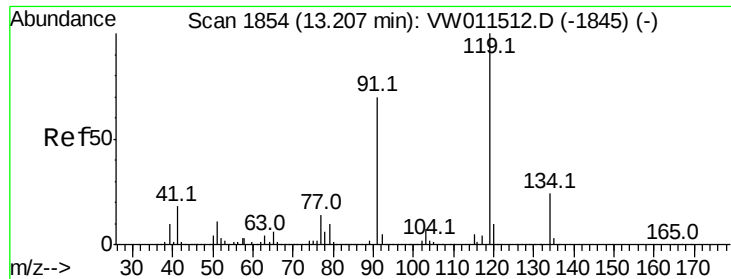
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#82
4-Chlorotoluene
Concen: 53.718 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





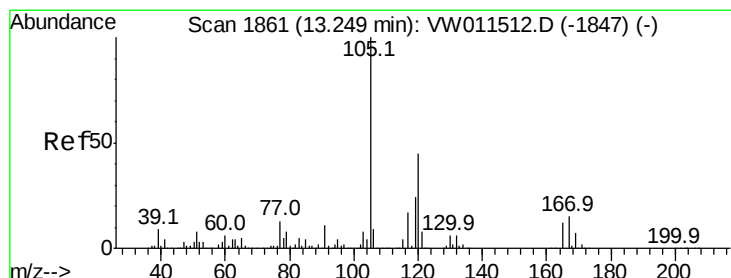
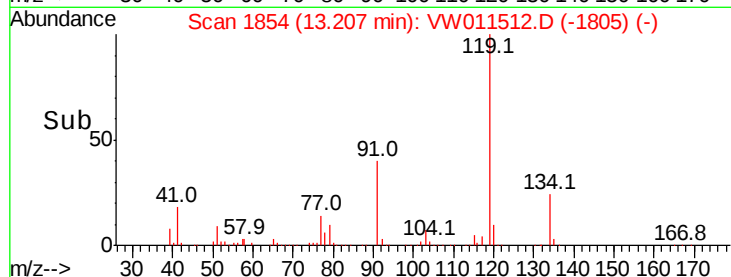
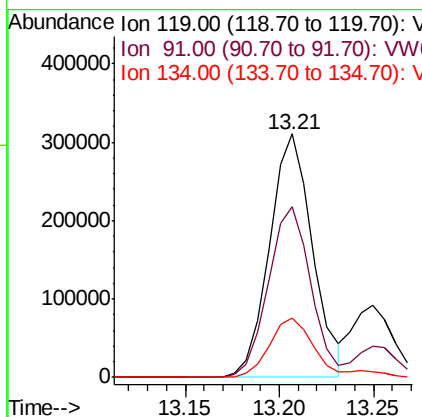
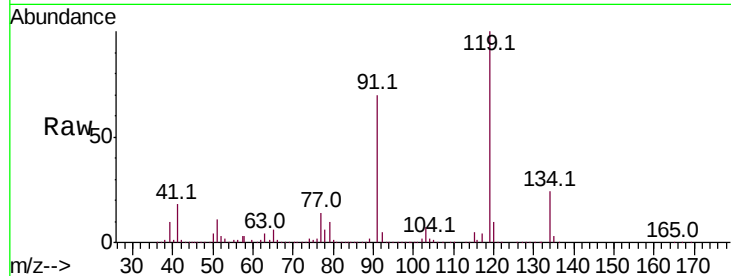
#83
tert-Butylbenzene
Concen: 54.285 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	490991		
91	69.1	34.5	103.6	
134	24.9	12.4	37.4	

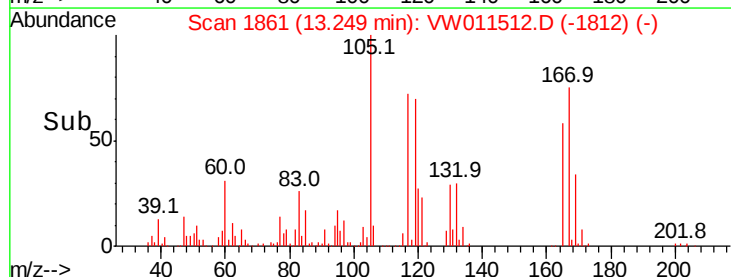
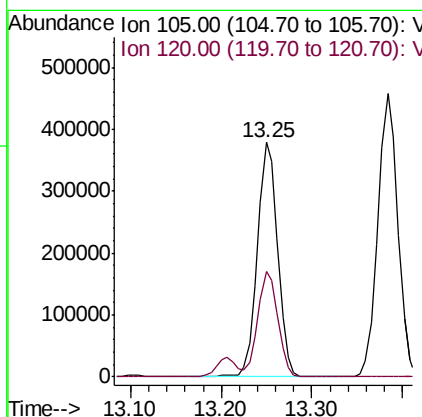
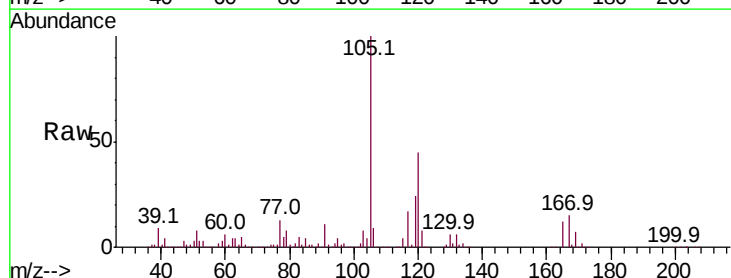
Manual Integrations
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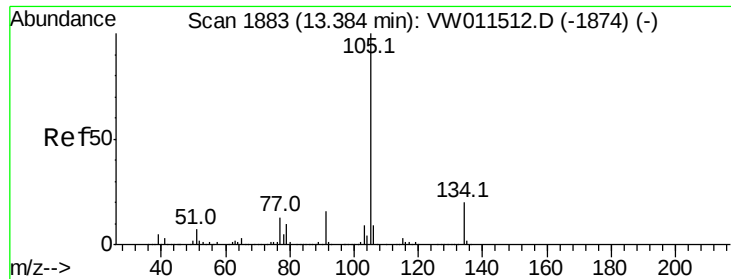
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#84
1,2,4-Trimethylbenzene
Concen: 53.860 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	586821		
120	44.3	22.1	66.5	





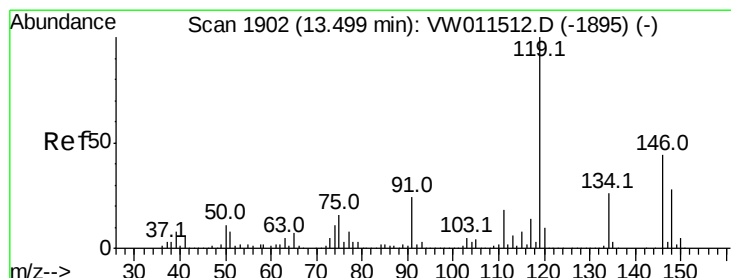
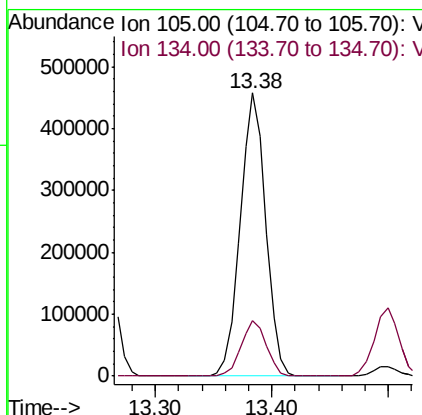
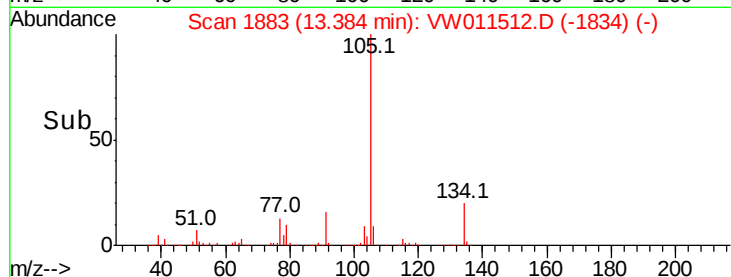
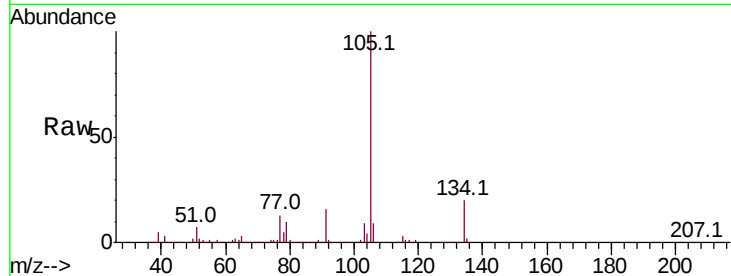
#85
 sec-Butylbenzene
 Concen: 54.010 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 697027
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1

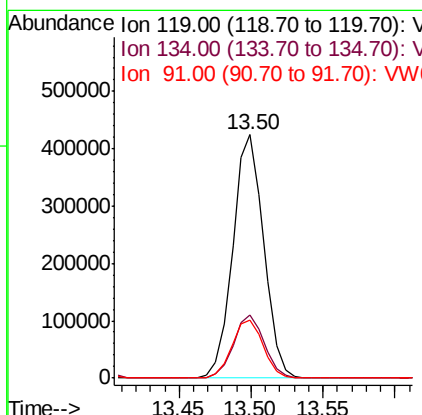
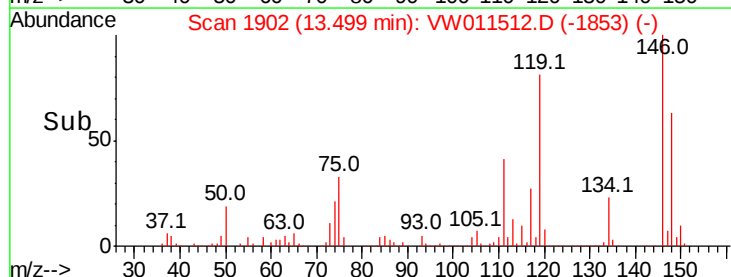
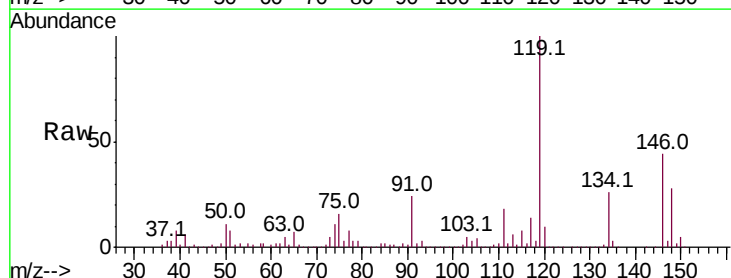
Manual Integrations
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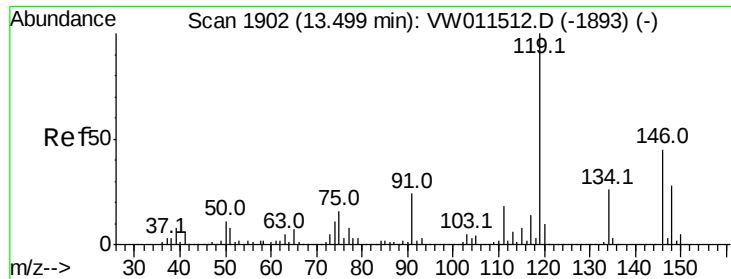
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#86
 p-Isopropyltoluene
 Concen: 54.102 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion:119 Resp: 633498
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 53.530 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

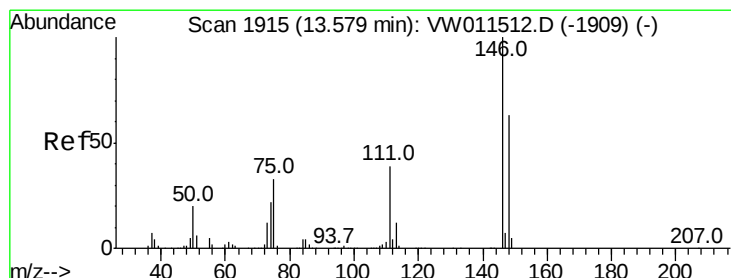
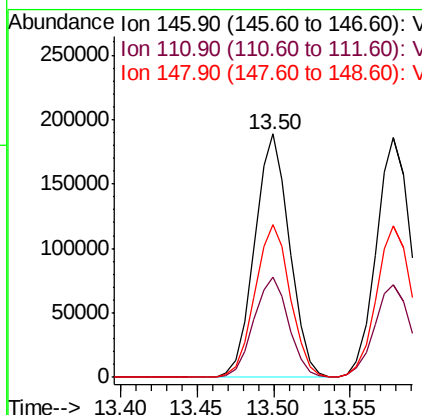
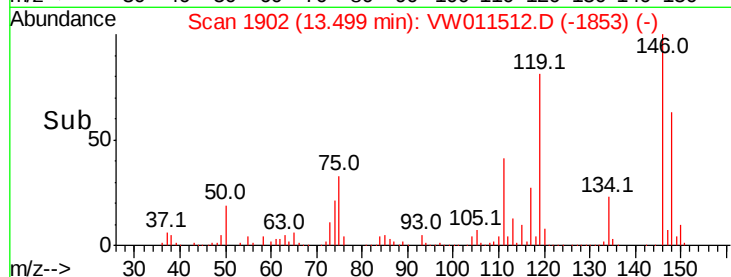
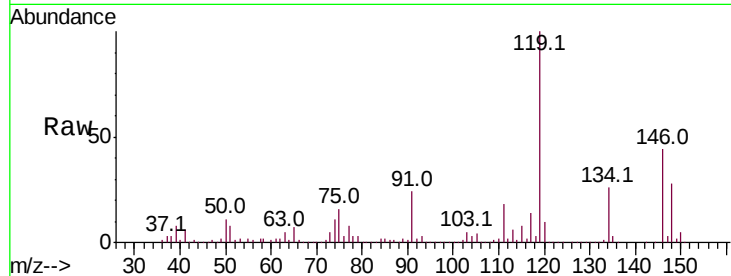
Instrument :
MSVOA_W

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	299337		
111	41.1	20.5	61.6	
148	63.5	31.8	95.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.794 ug/l

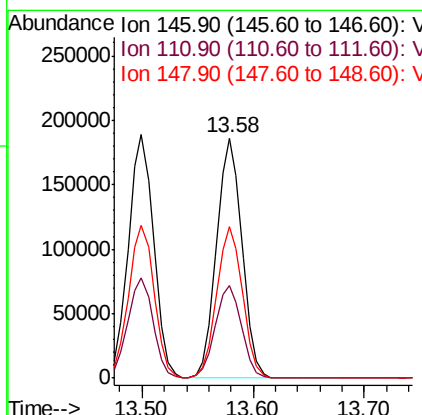
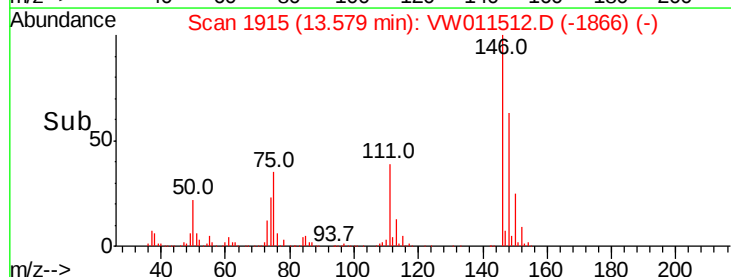
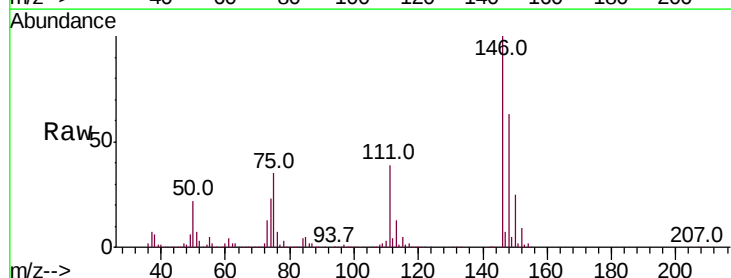
RT: 13.58 min Scan# 1915

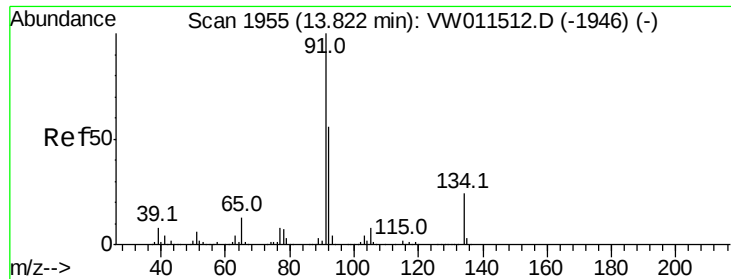
Delta R.T. 0.00 min

Lab File: VW011512.D

Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	293678		
111	40.1	20.1	60.2	
148	63.9	31.9	95.9	





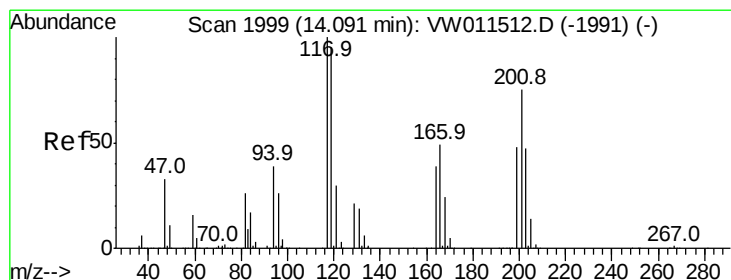
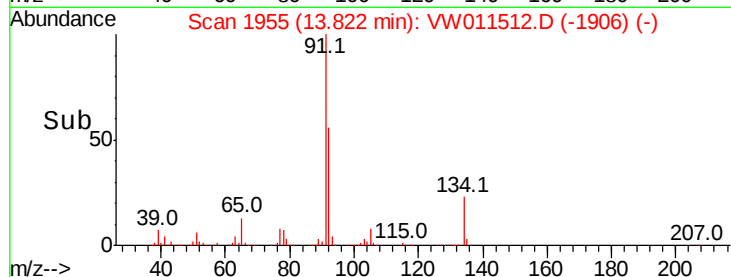
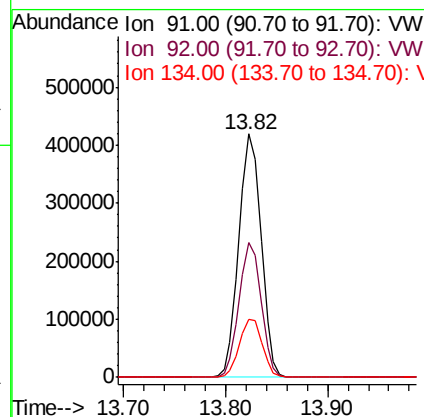
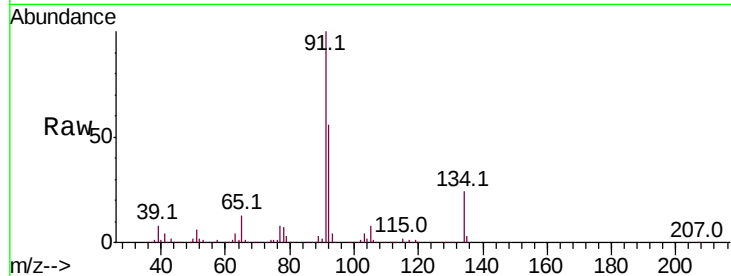
#89
n-Butylbenzene
Concen: 54.089 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	24.4	12.2	36.6

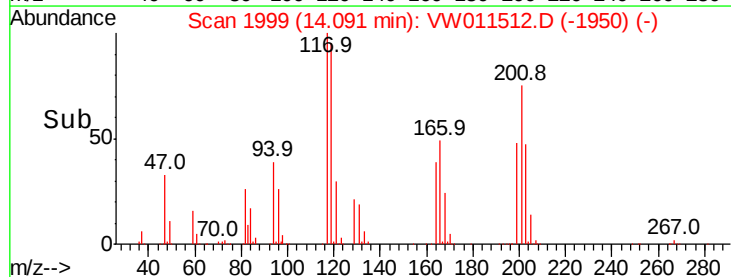
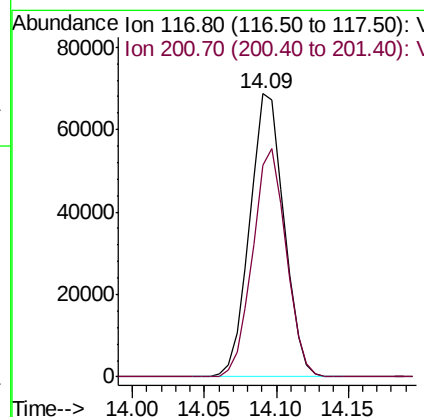
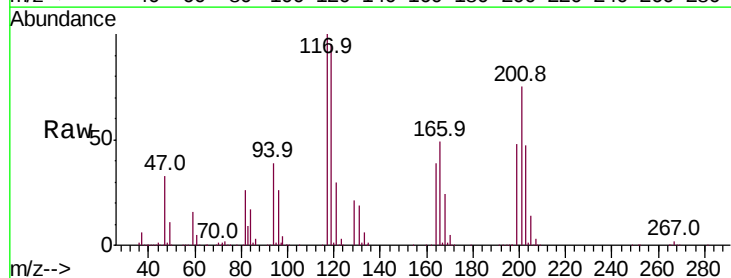
Manual Integrations
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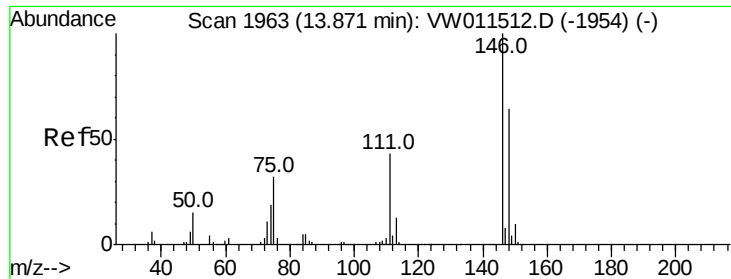
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#90
Hexachloroethane
Concen: 54.488 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	39.4	118.2





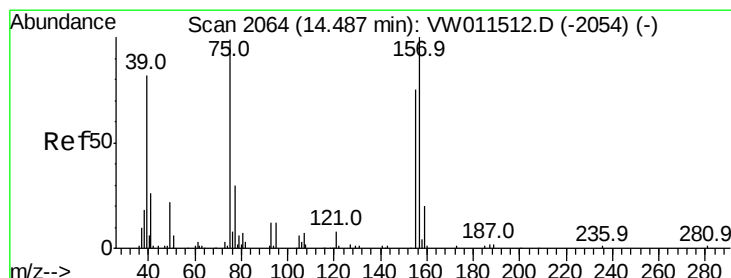
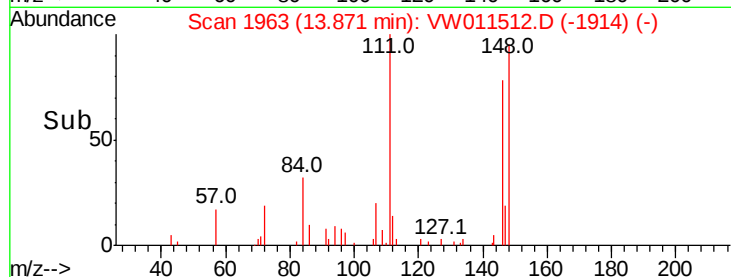
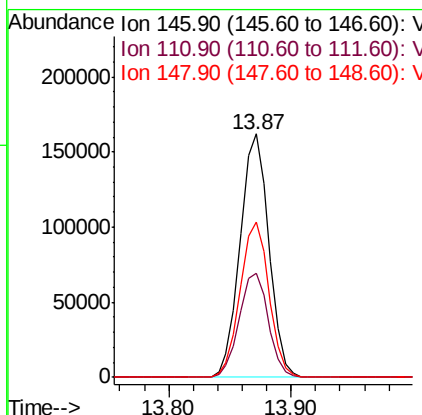
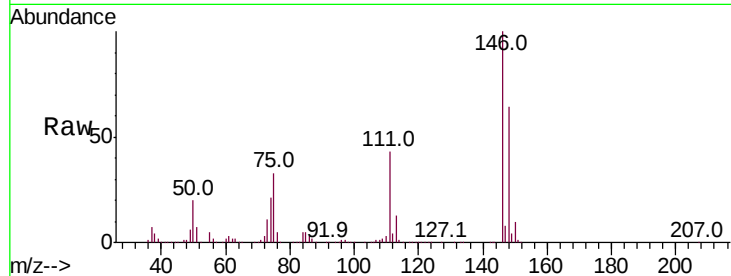
#91
 1,2-Dichlorobenzene
 Concen: 53.352 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.1	32.0	96.2

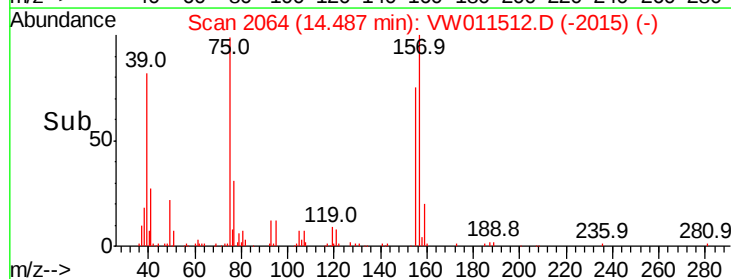
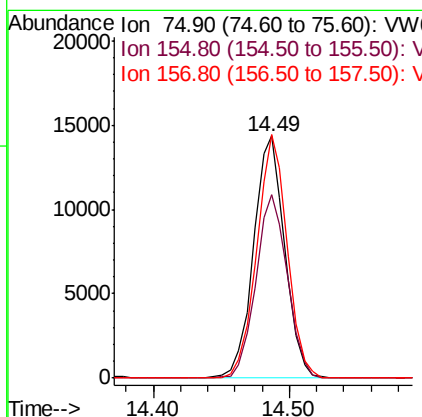
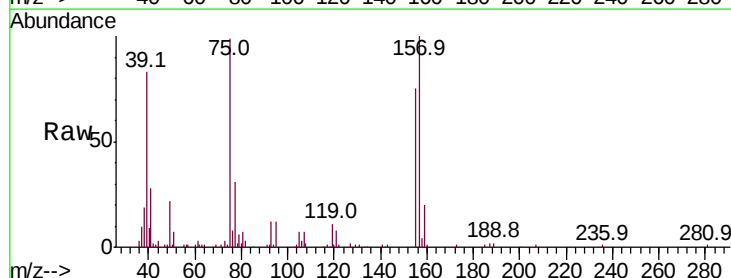
Manual Integrations
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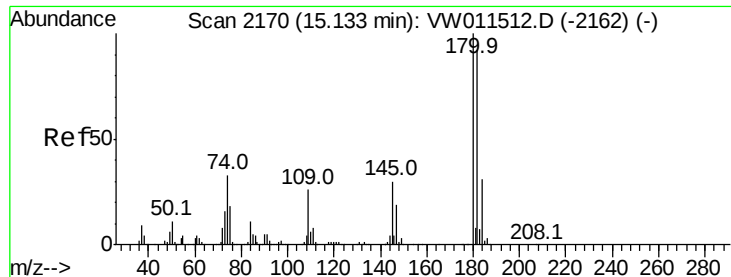
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.767 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	38.2	114.6
157	97.8	48.9	146.7





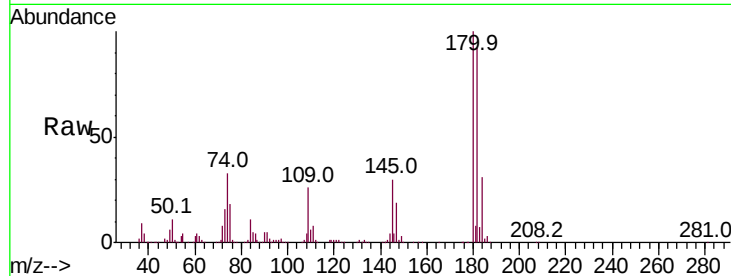
#93
 1,2,4-Trichlorobenzene
 Concen: 54.455 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	47.4	142.2	
145	30.7	15.4	46.1	

Manual Integrations
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 7/29/2019 9:17:43 AM

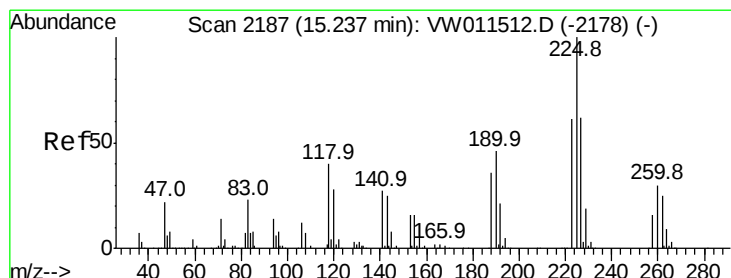
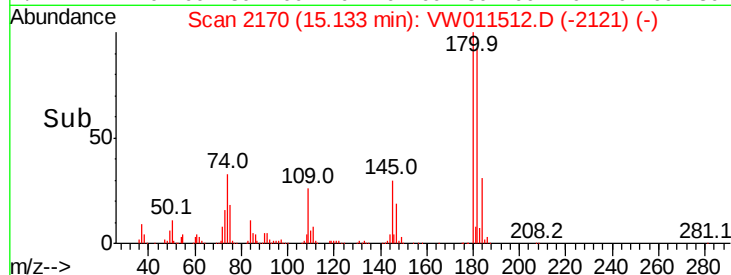
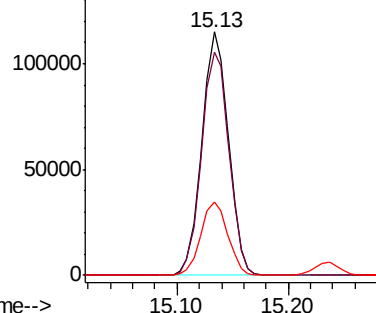


Abundance

Ion 179.80 (179.50 to 180.50): V

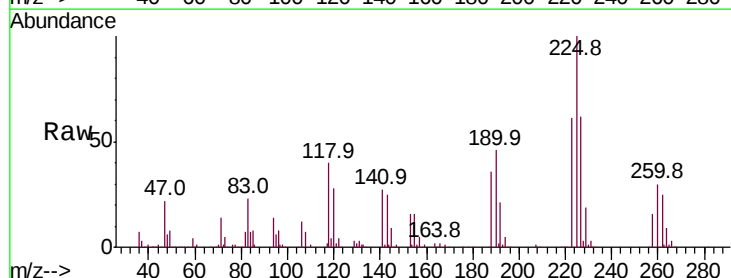
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.397 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011512.D
 Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	30.8	92.3	
227	63.1	31.6	94.7	

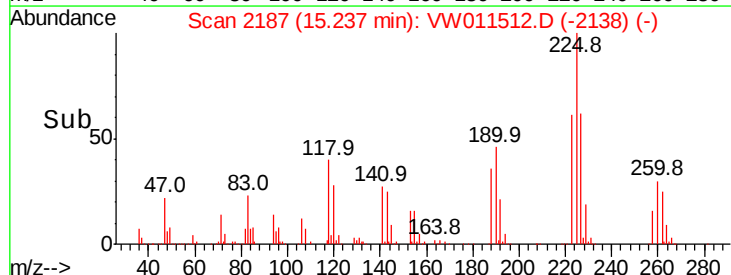
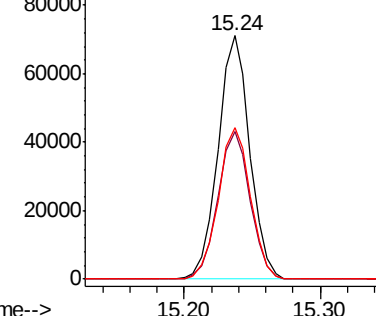


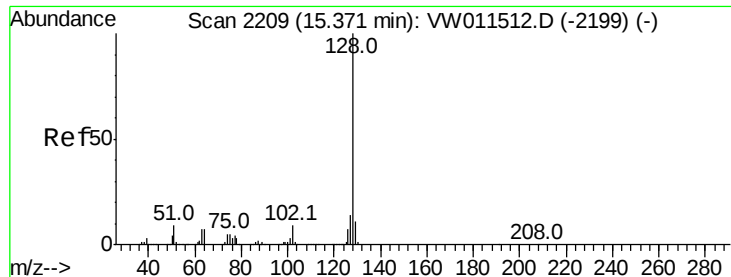
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





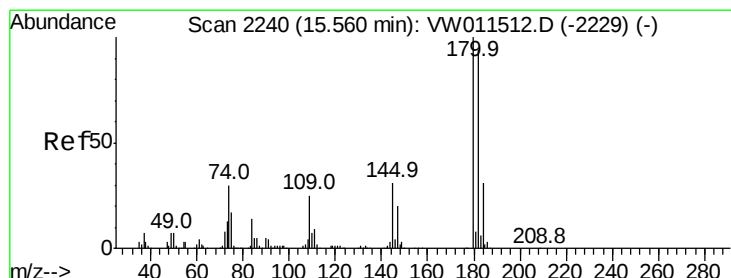
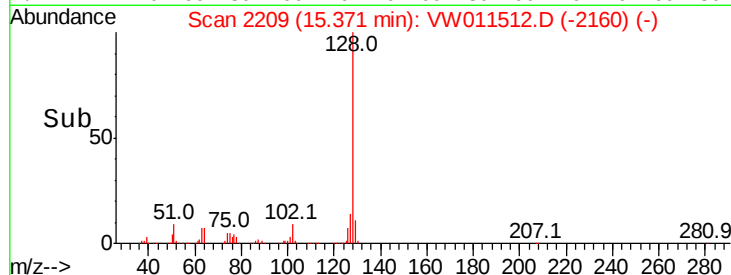
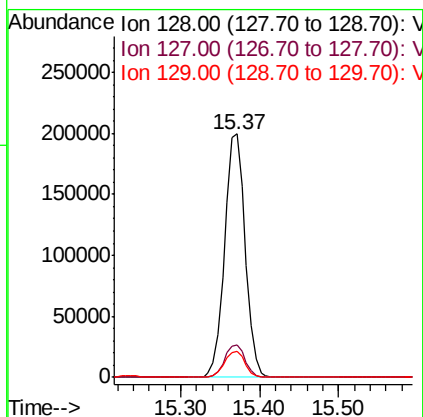
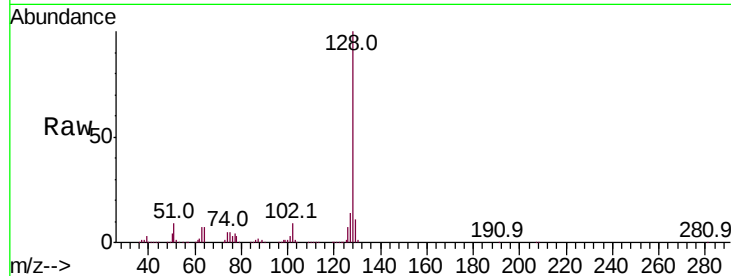
#95
Naphthalene
Concen: 58.438 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
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7/29/2019 9:17:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.668 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011512.D
Acq: 26 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	31.8	15.9	47.7

