

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011511.D
 Acq On : 26 Jul 2019 12:24
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:17:38 AM

Quant Time: Jul 27 00:19:54 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	245689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174117	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	56323	19.96	ug/l	0.00
Spiked Amount			Recovery	=	39.92%	
35) Dibromofluoromethane	7.88	113	44915	19.89	ug/l	0.00
Spiked Amount			Recovery	=	39.78%	
50) Toluene-d8	10.32	98	183235	19.82	ug/l	0.00
Spiked Amount			Recovery	=	39.64%	
62) 4-Bromofluorobenzene	12.62	95	64479	19.56	ug/l	0.00
Spiked Amount			Recovery	=	39.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	30491	22.268	ug/l	93
3) Chloromethane	2.21	50	49072	20.668	ug/l	100
4) Vinyl Chloride	2.35	62	60307	21.097	ug/l	98
5) Bromomethane	2.76	94	31435	19.868	ug/l	97
6) Chloroethane	2.92	64	32893	20.145	ug/l	93
7) Trichlorofluoromethane	3.25	101	24531	19.202	ug/l	99
8) Diethyl Ether	3.68	74	28869	19.931	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49762	20.534	ug/l	99
10) Methyl Iodide	4.27	142	69412	20.268	ug/l	100
11) Tert butyl alcohol	5.17	59	22683	95.772	ug/l	99
12) 1,1-Dichloroethene	4.04	96	51431	20.100	ug/l	98
13) Acrolein	3.88	56	21621	106.808	ug/l	97
14) Allyl chloride	4.67	41	107254	19.708	ug/l	98
15) Acrylonitrile	5.36	53	72572	100.369	ug/l	98
16) Acetone	4.12	43	78057	86.980	ug/l	98
17) Carbon Disulfide	4.38	76	161577	20.176	ug/l	99
18) Methyl Acetate	4.67	43	40185	19.933	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	82785	20.388	ug/l	97
20) Methylene Chloride	4.92	84	62442	20.175	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	55745	20.208	ug/l	95
22) Diisopropyl ether	6.31	45	208579	20.328	ug/l	95
23) Vinyl Acetate	6.25	43	649994	100.817	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109876	19.995	ug/l	99
25) 2-Butanone	7.16	43	110870	94.414	ug/l	98
26) 2,2-Dichloropropane	7.16	77	66411	19.651	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	61371	20.214	ug/l	98
28) Bromochloromethane	7.51	49	52187	21.396	ug/l	99
29) Tetrahydrofuran	7.52	42	67176	100.078	ug/l	100
30) Chloroform	7.68	83	102251	20.169	ug/l	98
31) Cyclohexane	7.95	56	107011	20.287	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	77790	20.148	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84435	20.171	ug/l	99
37) Ethyl Acetate	7.25	43	48107	19.976	ug/l	100
38) Carbon Tetrachloride	8.07	117	71326	19.905	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	92782	20.130	ug/l	96
40) Benzene	8.32	78	237428	20.250	ug/l	99
41) Methacrylonitrile	7.48	41	31468	21.859	ug/l	95
42) 1,2-Dichloroethane	8.40	62	73412	19.998	ug/l	99
43) Isopropyl Acetate	8.42	43	85786	19.369	ug/l	99
44) Trichloroethene	9.09	130	55897	19.835	ug/l	97
45) 1,2-Dichloropropane	9.37	63	63722	20.312	ug/l	99
46) Dibromomethane	9.46	93	28309	19.771	ug/l	99
47) Bromodichloromethane	9.65	83	74372	19.801	ug/l	96
48) Methyl methacrylate	9.43	41	41322	19.423	ug/l	98
49) 1,4-Dioxane	9.44	88	8053	388.424	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	226762	98.434	ug/l	99
52) Toluene	10.39	92	143102	20.210	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76831	19.582	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	92976	19.930	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40318	19.845	ug/l	97
56) Ethyl methacrylate	10.65	69	58150	19.560	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77812	20.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	149926	111.072	ug/l	99
59) 2-Hexanone	10.97	43	157322	96.720	ug/l	100
60) Dibromochloromethane	11.13	129	44664	19.806	ug/l	100
61) 1,2-Dibromoethane	11.23	107	38354	19.949	ug/l	100
64) Tetrachloroethene	10.86	164	45924	20.027	ug/l	97
65) Chlorobenzene	11.66	112	142942	20.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49383	20.023	ug/l	100
67) Ethyl Benzene	11.73	91	272062	20.175	ug/l	99
68) m/p-Xylenes	11.84	106	199563	40.693	ug/l	100
69) o-Xylene	12.16	106	91334	20.042	ug/l	99
70) Styrene	12.18	104	160416	20.359	ug/l	100
71) Bromoform	12.35	173	24232	19.270	ug/l #	98
73) Isopropylbenzene	12.46	105	255914	19.702	ug/l	99
74) N-amyl acetate	12.27	43	78042	19.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48910	20.018	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	40578m	21.952	ug/l	
77) Bromobenzene	12.75	156	56222	19.582	ug/l	98
78) n-propylbenzene	12.80	91	316554	20.025	ug/l	100
79) 2-Chlorotoluene	12.89	91	181076	19.883	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	217801	20.003	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14798	18.511	ug/l	96
82) 4-Chlorotoluene	12.99	91	191758	20.068	ug/l	100
83) tert-Butylbenzene	13.21	119	181282	19.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	220711	20.122	ug/l	99
85) sec-Butylbenzene	13.38	105	259780	19.995	ug/l	100
86) p-Isopropyltoluene	13.50	119	234958	19.932	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	111562	19.817	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110960	19.814	ug/l	98
89) n-Butylbenzene	13.82	91	233573	19.855	ug/l	99
90) Hexachloroethane	14.10	117	40503	19.431	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	99507	19.985	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8124	19.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69766	19.881	ug/l	99
94) Hexachlorobutadiene	15.24	225	43769	20.001	ug/l	99
95) Naphthalene	15.37	128	120819	19.419	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	60501	19.669	ug/l	100

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

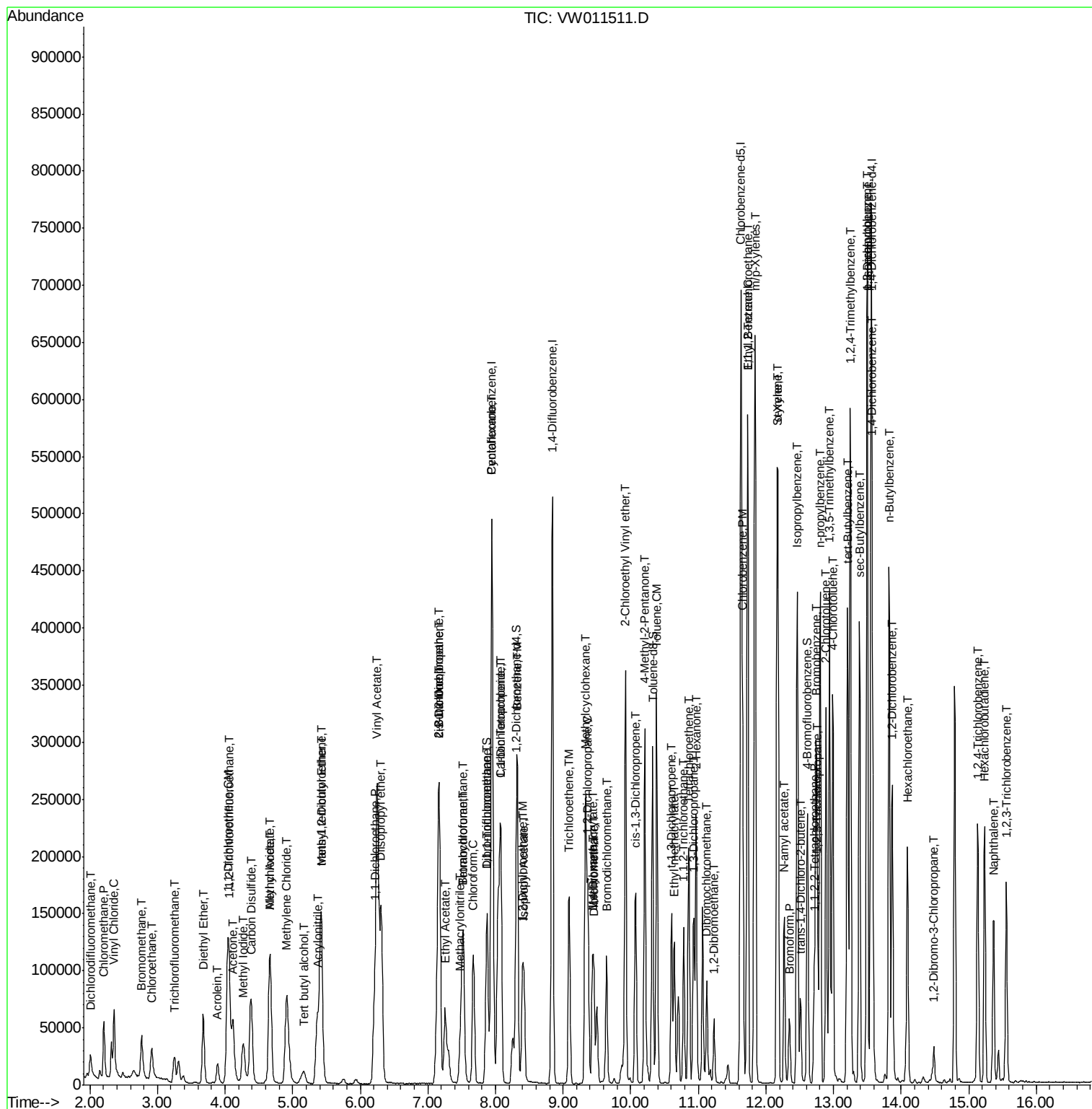
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
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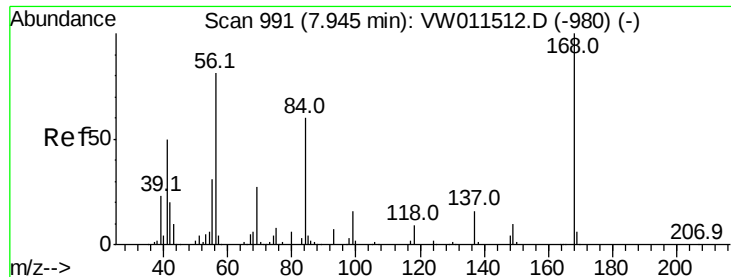
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 245689

Ion Ratio Lower Upper

168 100

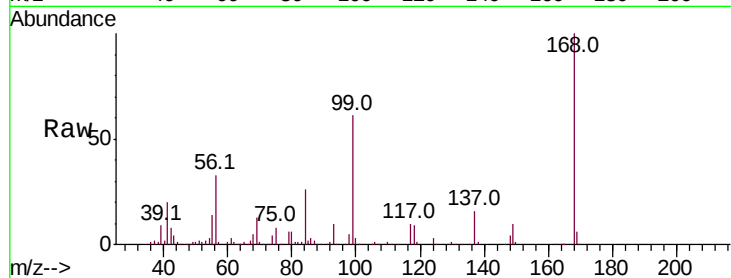
99 60.8 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

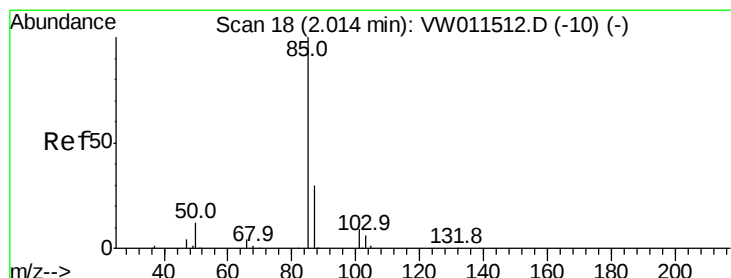
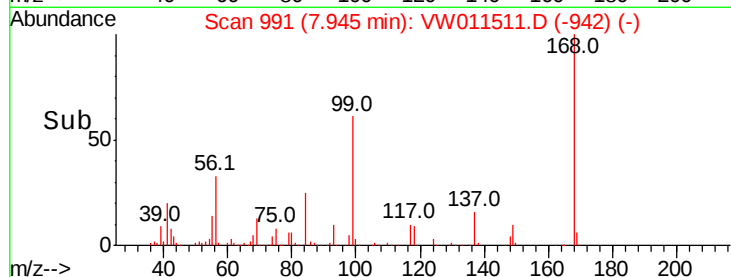
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.268 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011511.D

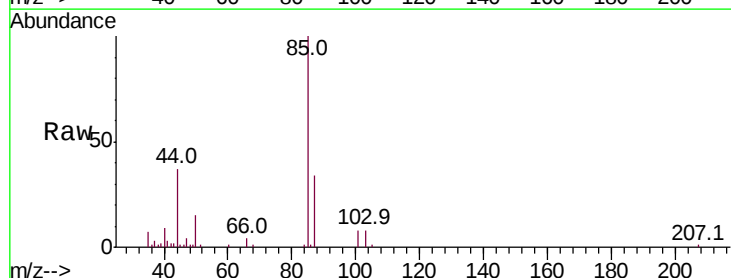
Acq: 26 Jul 2019 12:24

Tgt Ion: 85 Resp: 30491

Ion Ratio Lower Upper

85 100

87 34.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

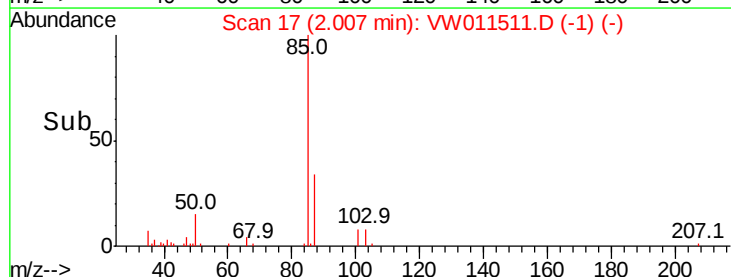
6000

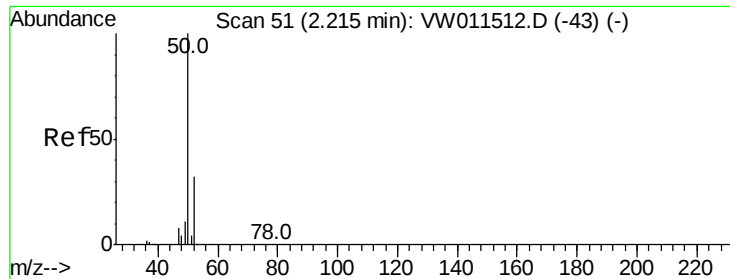
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 20.668 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 49072

Ion Ratio Lower Upper

50 100

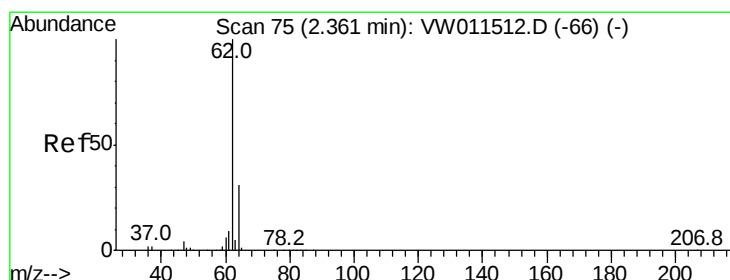
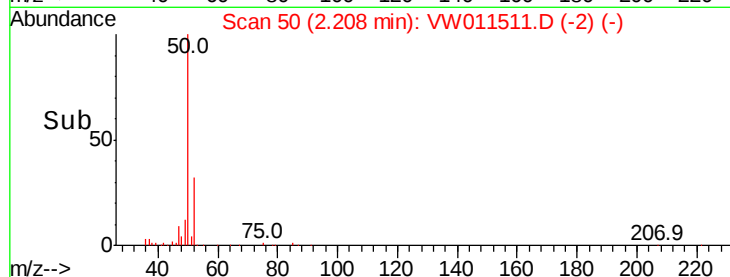
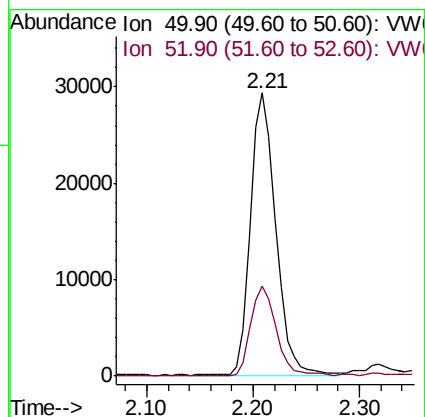
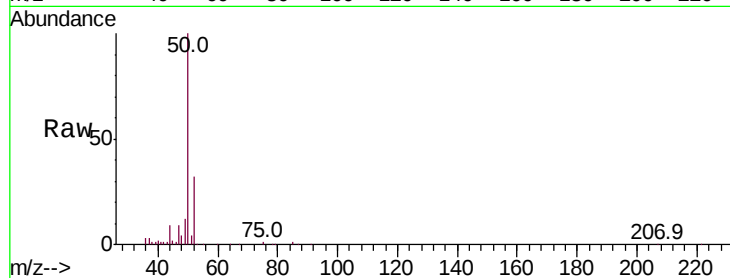
52 31.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.097 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011511.D

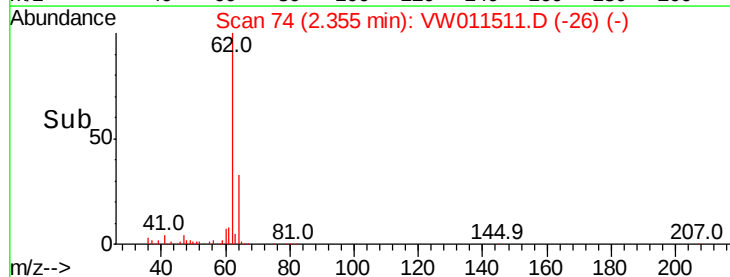
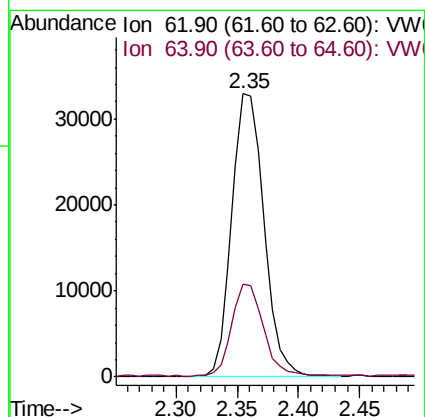
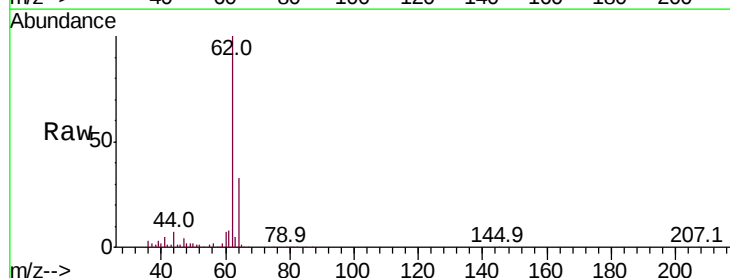
Acq: 26 Jul 2019 12:24

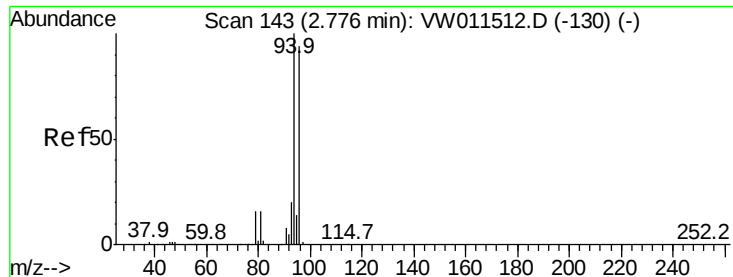
Tgt Ion: 62 Resp: 60307

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 19.868 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 31435

Ion Ratio Lower Upper

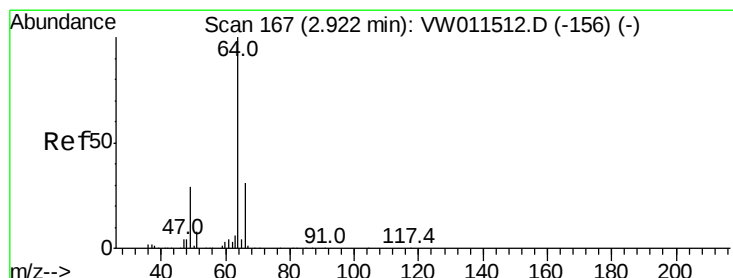
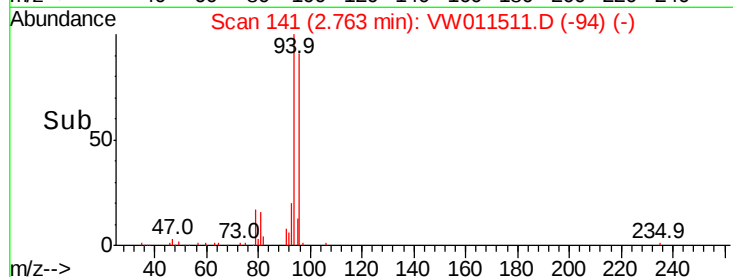
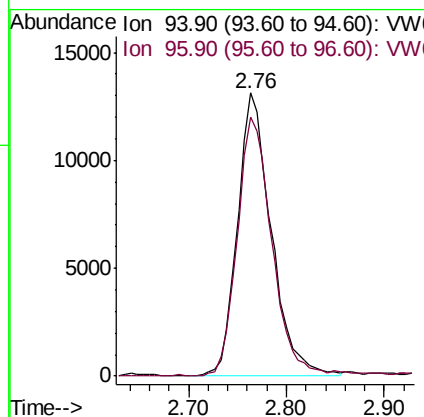
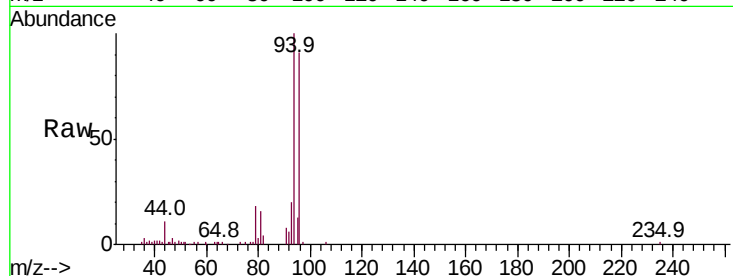
94 100

96 91.4 75.0 112.6

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#6

Chloroethane

Concen: 20.145 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011511.D

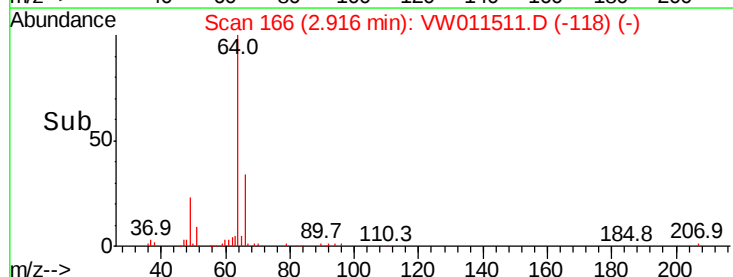
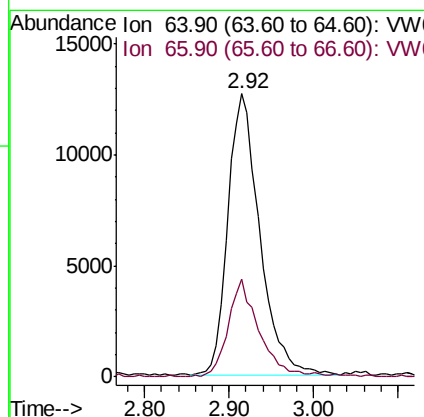
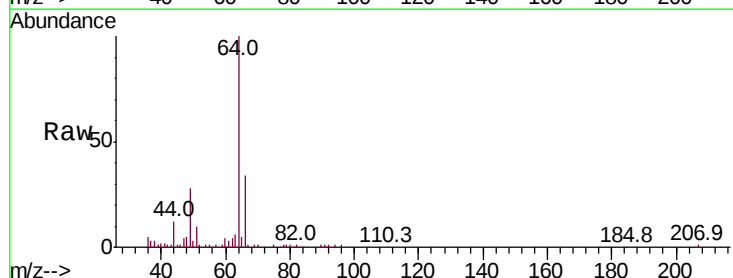
Acq: 26 Jul 2019 12:24

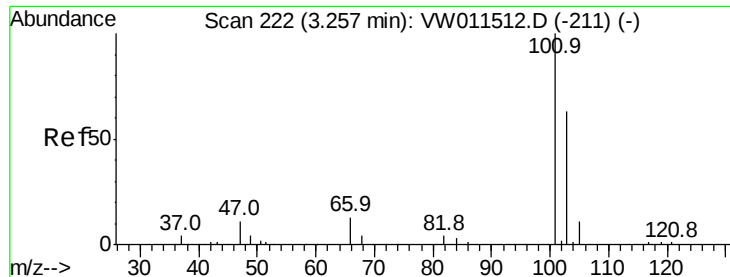
Tgt Ion: 64 Resp: 32893

Ion Ratio Lower Upper

64 100

66 34.6 24.6 36.8





#7

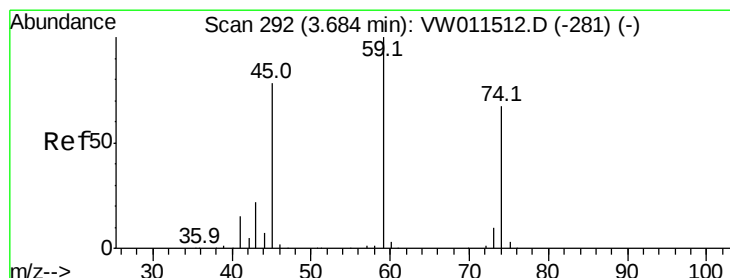
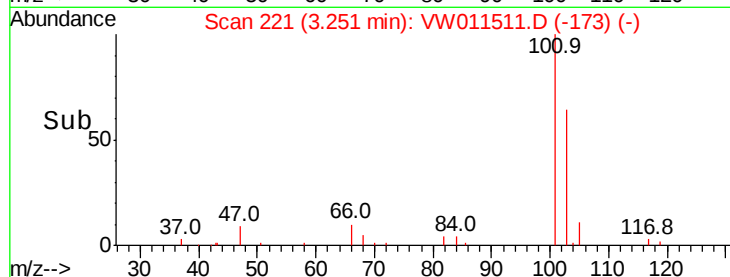
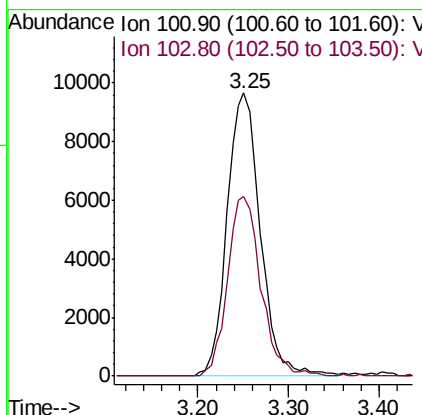
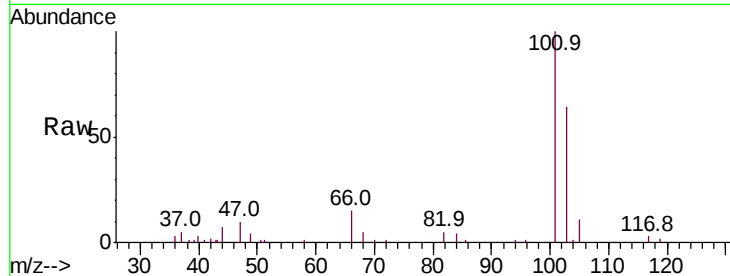
Trichlorofluoromethane
Concen: 19.202 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 24531
Ion Ratio Lower Upper
101 100
103 63.6 50.2 75.4

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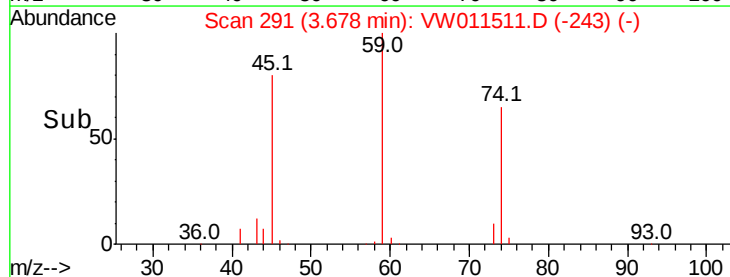
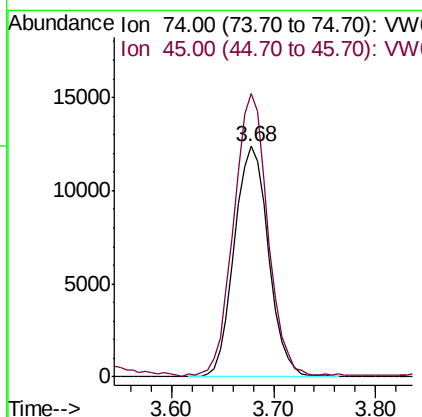
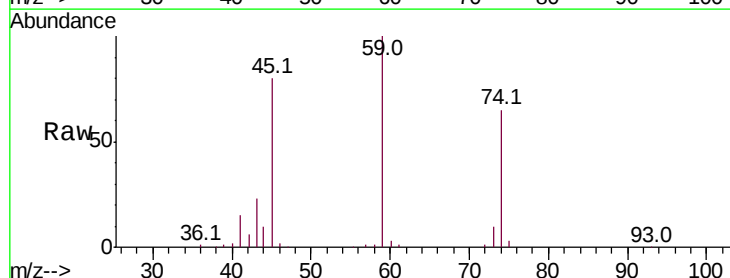
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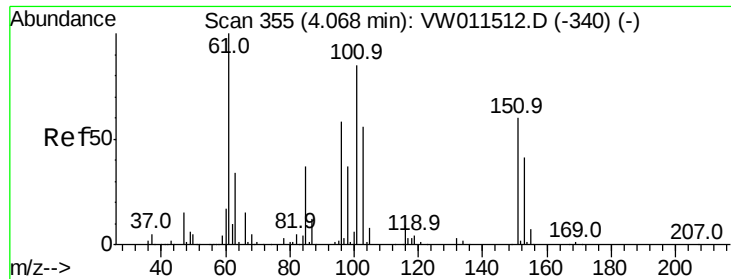


#8

Diethyl Ether
Concen: 19.931 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion: 74 Resp: 28869
Ion Ratio Lower Upper
74 100
45 121.3 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.534 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011511.D

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MSVOA_W

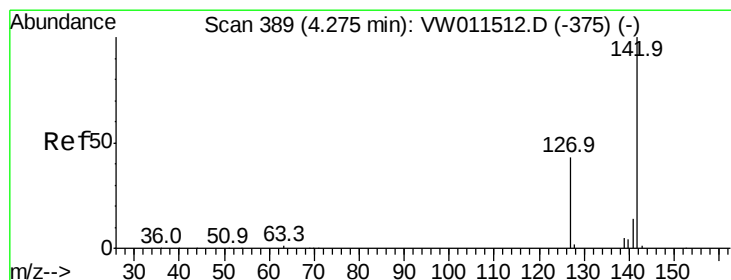
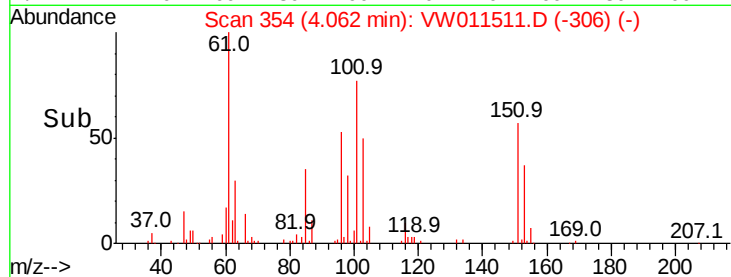
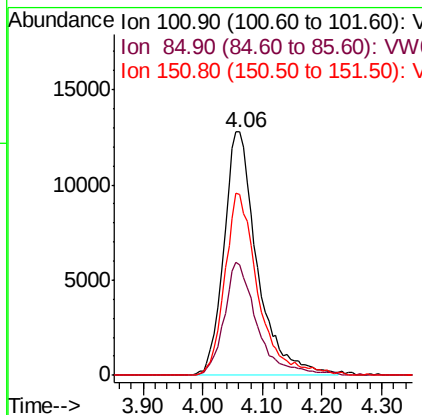
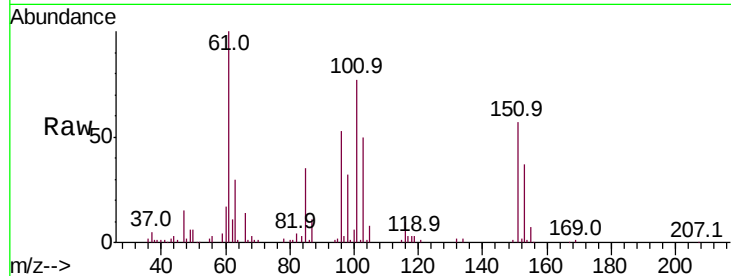
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	49762
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.6	54.8
151	74.6	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.268 ug/l

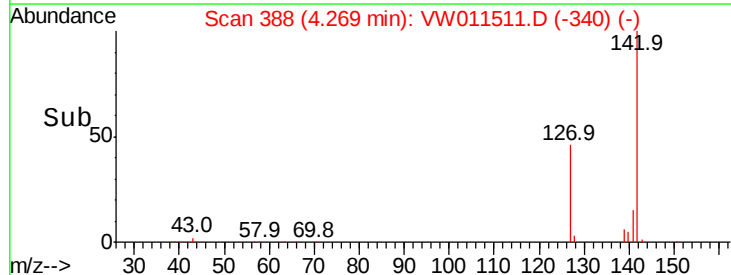
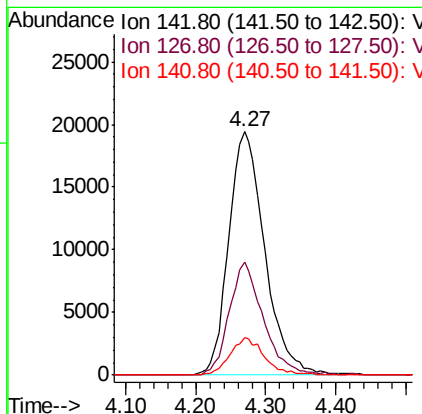
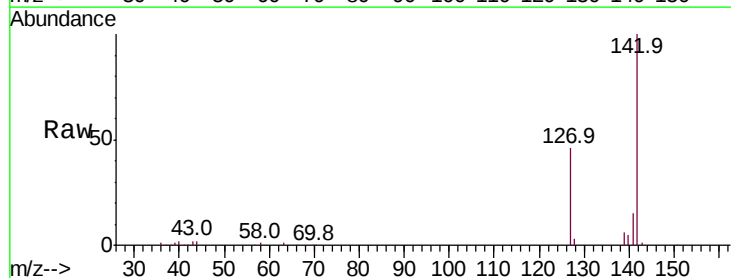
RT: 4.27 min Scan# 388

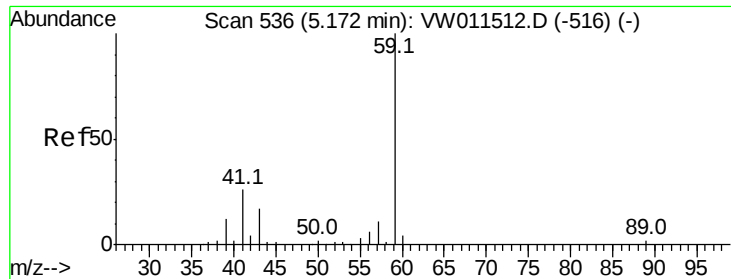
Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion:	142	Resp:	69412
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.0	52.6
141	14.8	11.9	17.9





#11

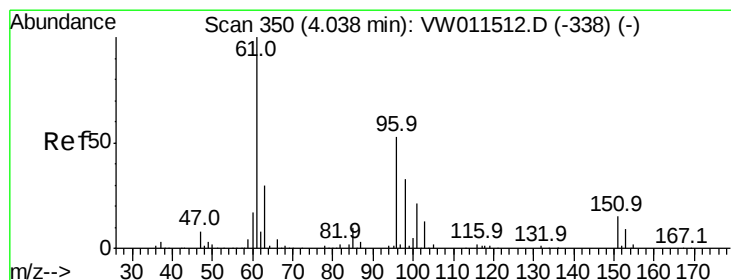
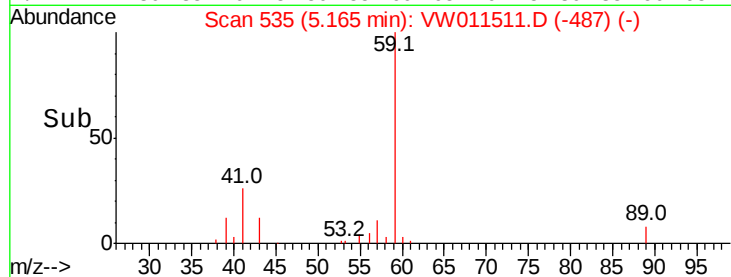
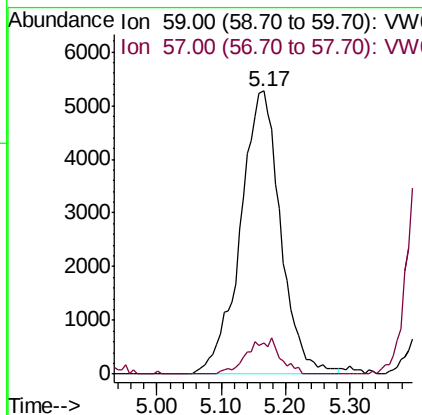
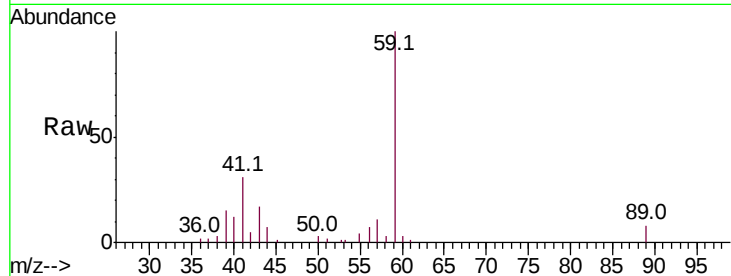
Tert butyl alcohol
Concen: 95.772 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	100	10.2	Resp	22683	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	10.2	Resp	22683	Lower	8.5	Upper	12.7

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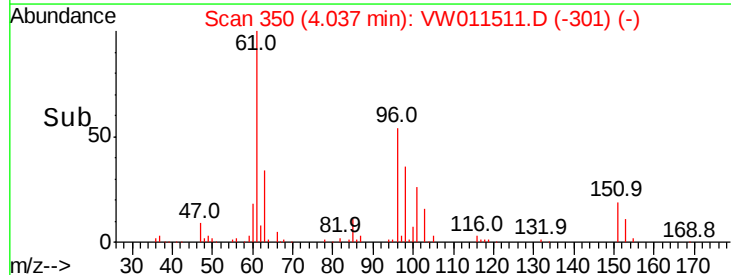
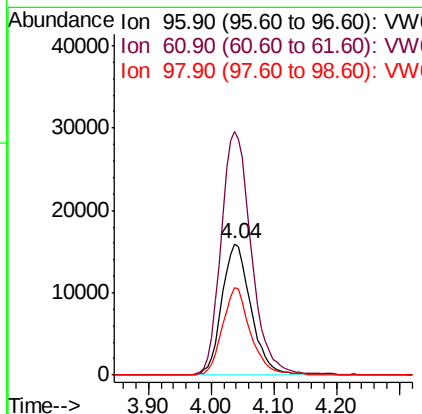
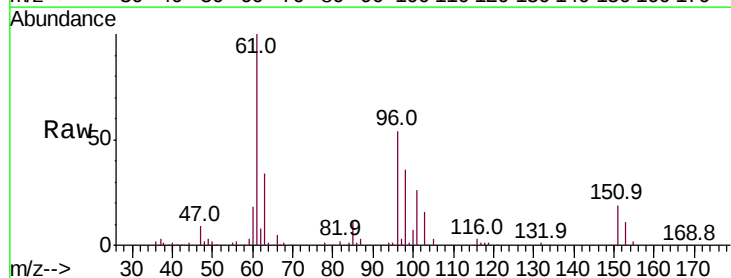
MMDadoda
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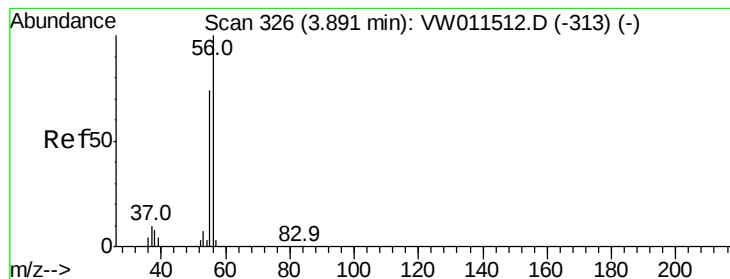


#12

1,1-Dichloroethene
Concen: 20.100 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	96	61	98	Ratio	100	185.7	66.2	Resp	51431	Lower	149.9	49.1	Upper	224.9	73.7
Ion	96	61	98	Ratio	100	185.7	66.2	Resp	51431	Lower	149.9	49.1	Upper	224.9	73.7





#13

Acrolein

Concen: 106.808 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 21621

Ion Ratio Lower Upper

56 100

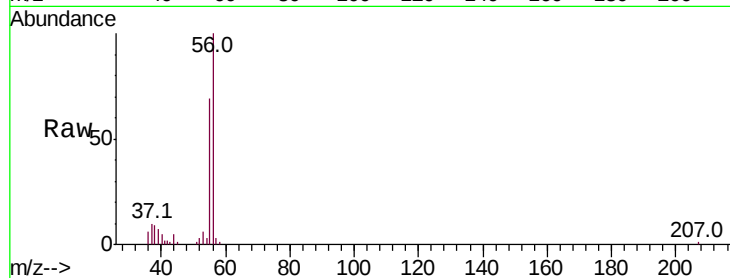
55 72.5 56.0 84.0

Manual Integrations

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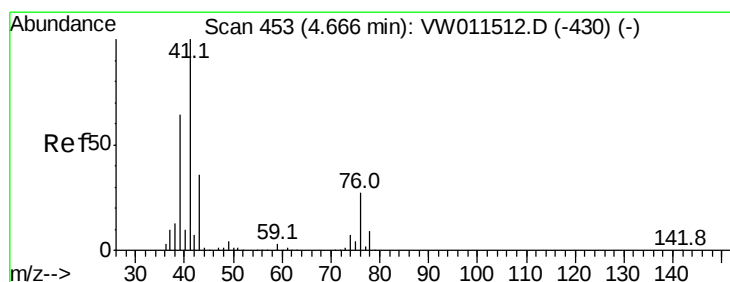
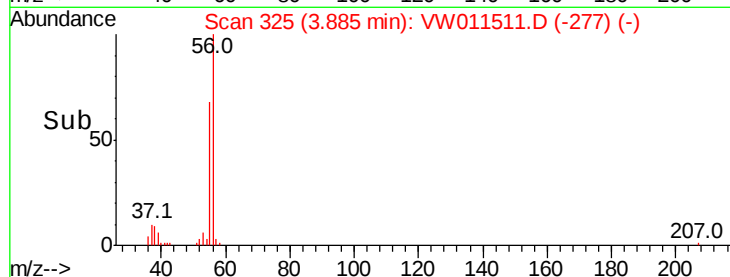
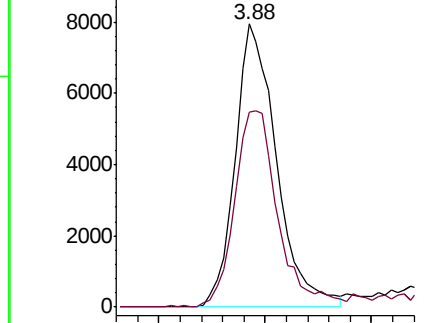
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.708 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

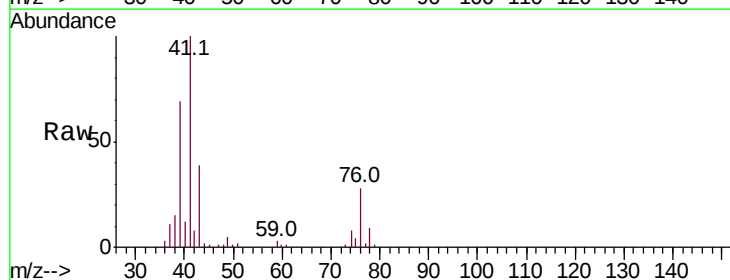
Tgt Ion: 41 Resp: 107254

Ion Ratio Lower Upper

41 100

39 68.0 52.6 78.8

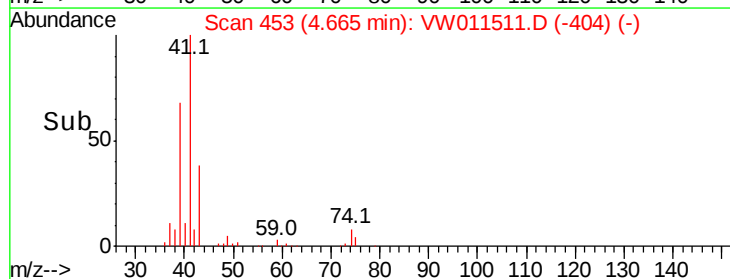
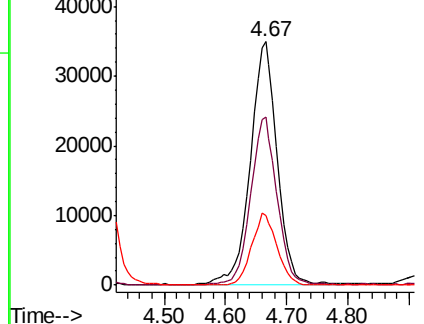
76 27.8 22.0 33.0

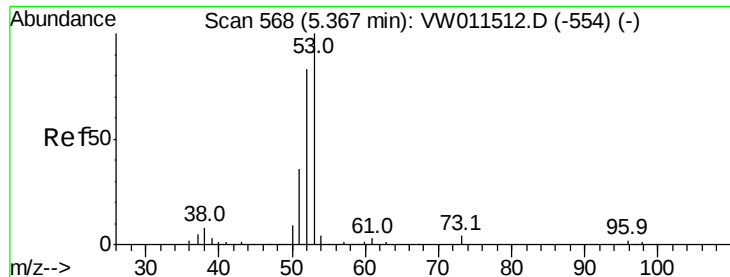


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 100.369 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

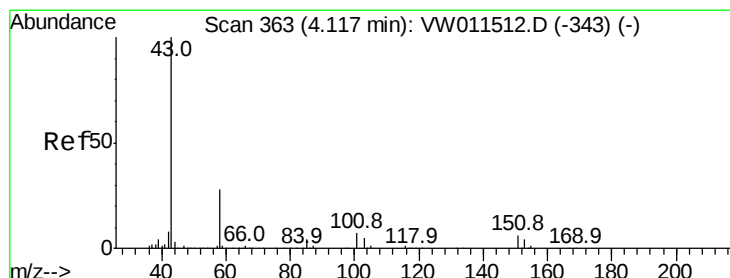
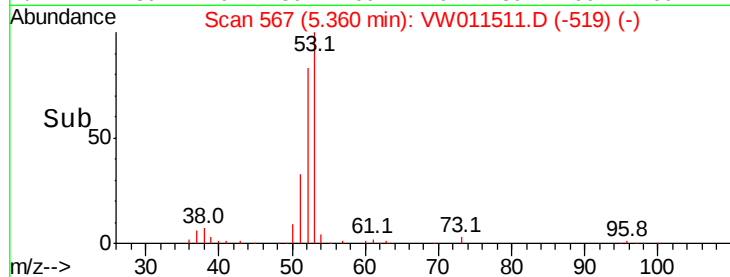
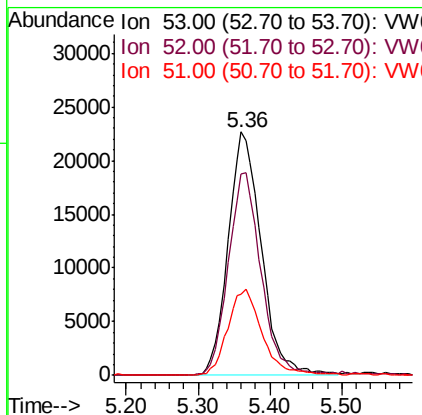
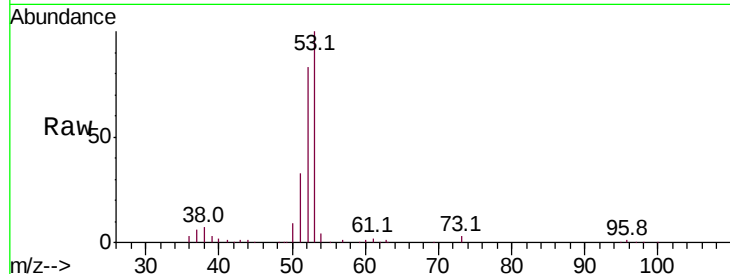
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	72572
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.2	100.8
51	36.5	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 86.980 ug/l

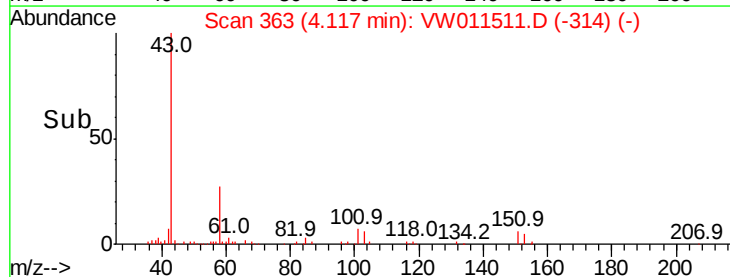
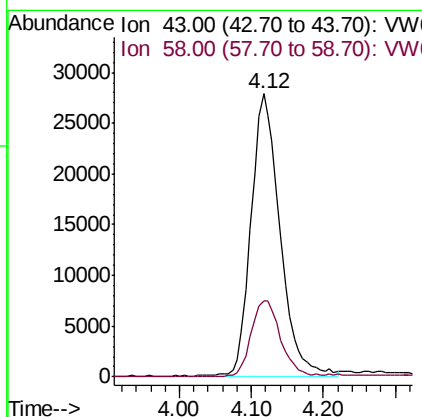
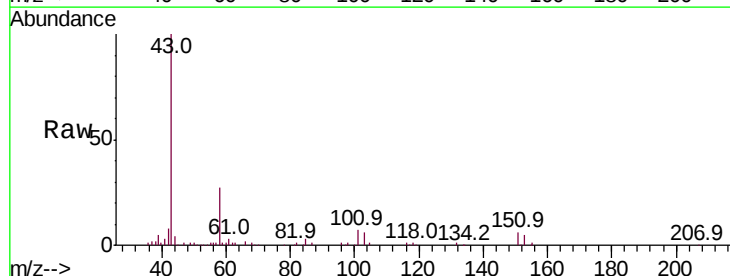
RT: 4.12 min Scan# 363

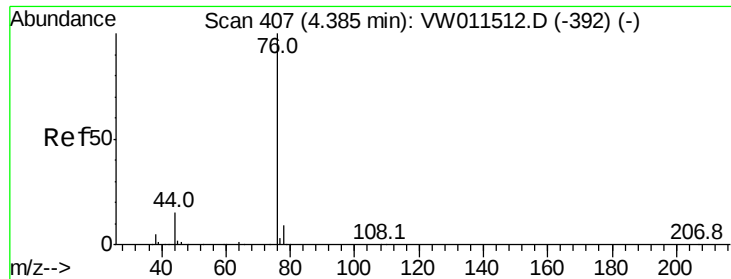
Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion:	43	Resp:	78057
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.3	33.5





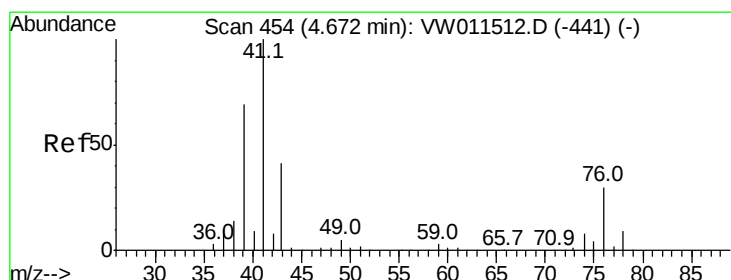
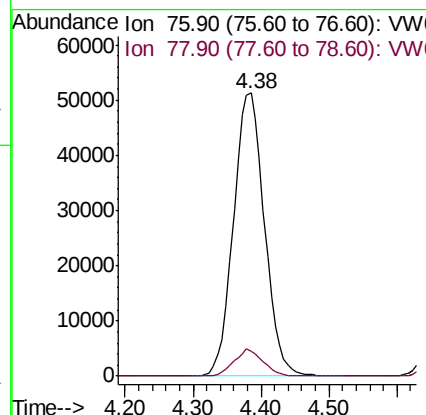
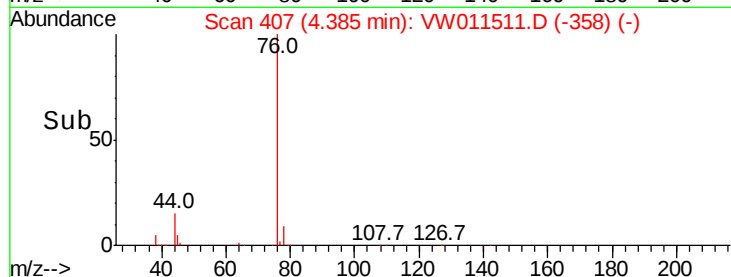
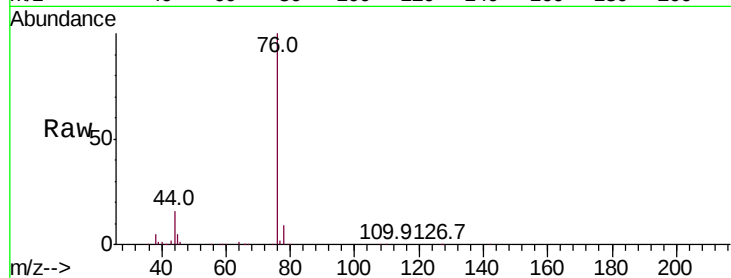
#17
Carbon Disulfide
Concen: 20.176 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

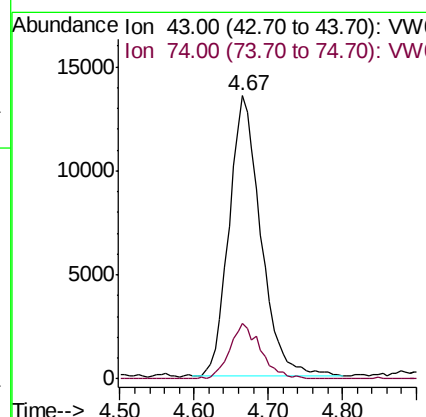
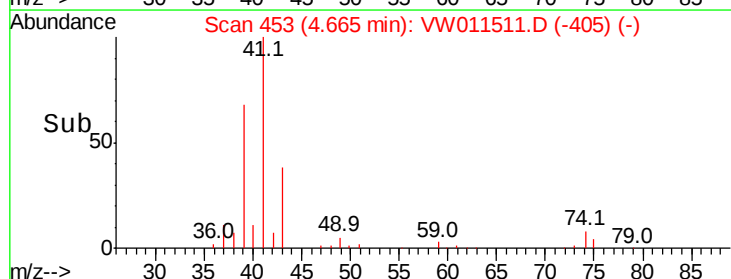
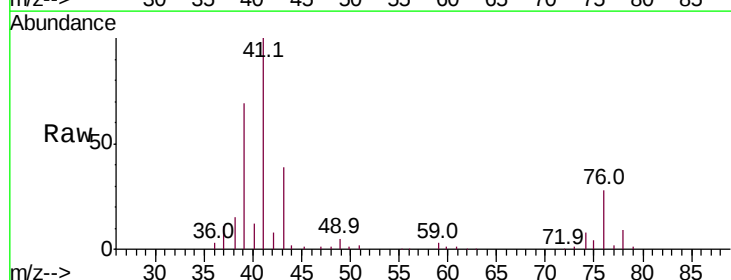
Manual Integrations
APPROVED

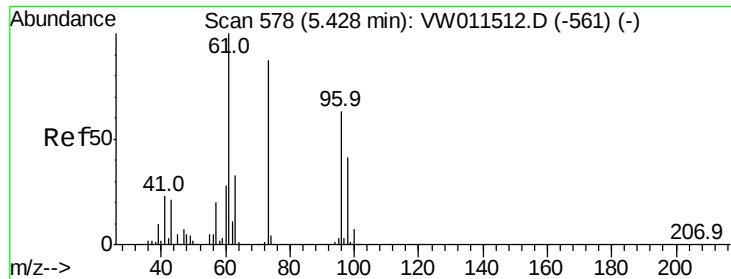
MMDadoda
7/29/2019 9:17:38 AM



#18
Methyl Acetate
Concen: 19.933 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.9	23.9





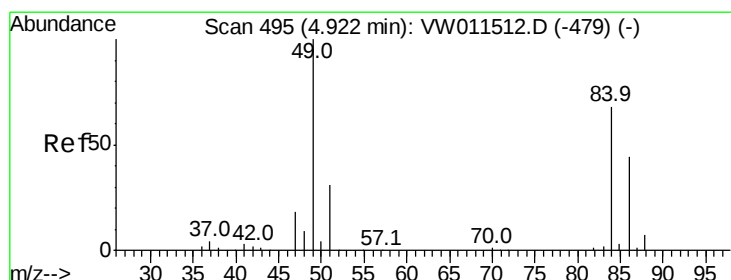
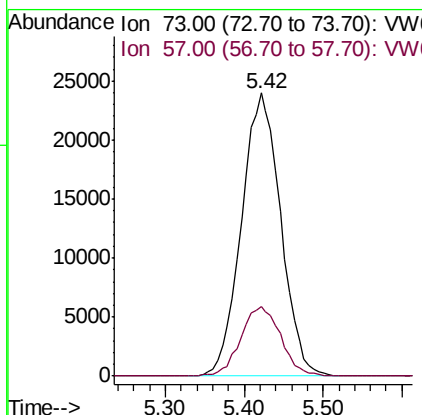
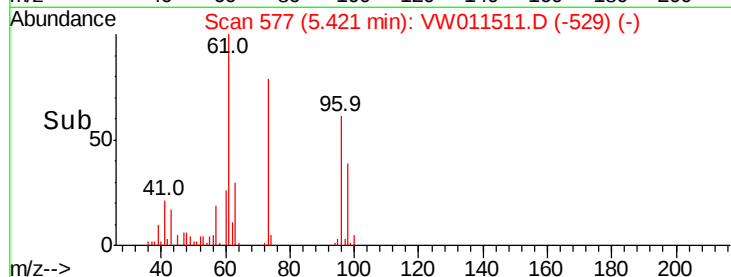
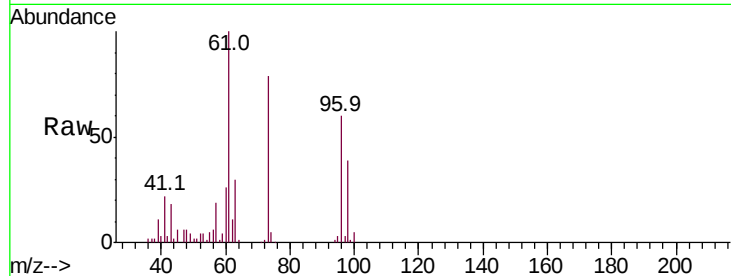
#19
Methyl tert-butyl Ether
Concen: 20.388 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 82785
Ion Ratio Lower Upper
73 100
57 24.6 18.4 27.6

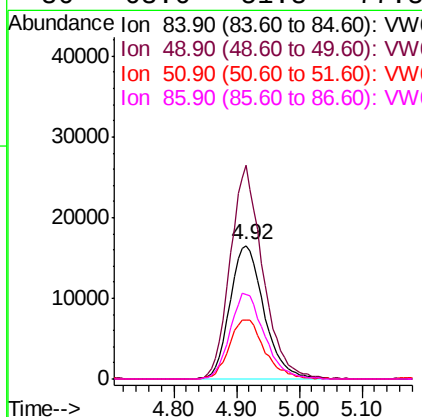
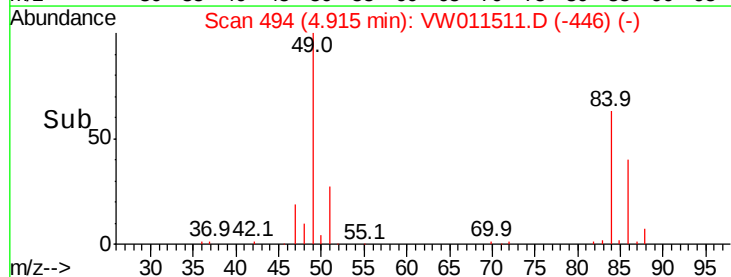
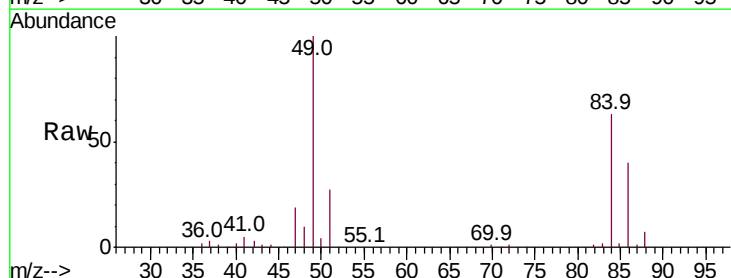
Manual Integrations
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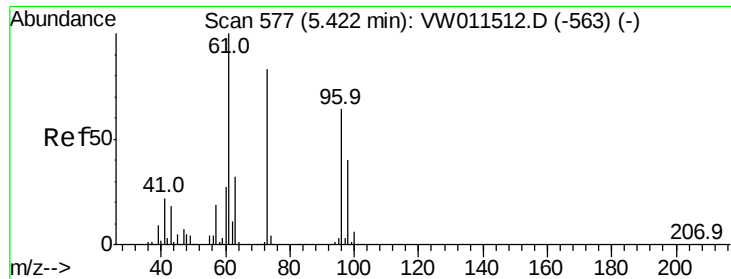
MMDadoda
7/29/2019 9:17:38 AM



#20
Methylene Chloride
Concen: 20.175 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion: 84 Resp: 62442
Ion Ratio Lower Upper
84 100
49 159.8 117.8 176.6
51 43.9 37.0 55.4
86 63.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.208 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 55745

Ion Ratio Lower Upper

96 100

61 165.8 125.7 188.5

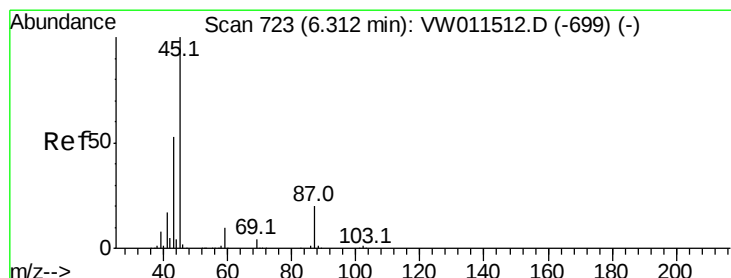
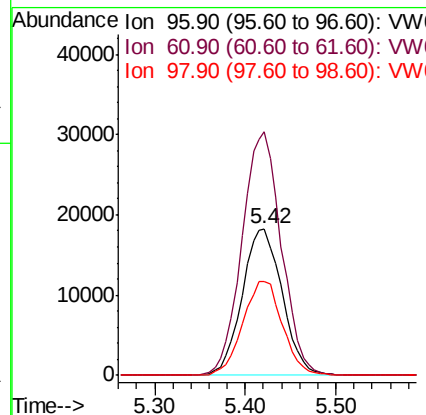
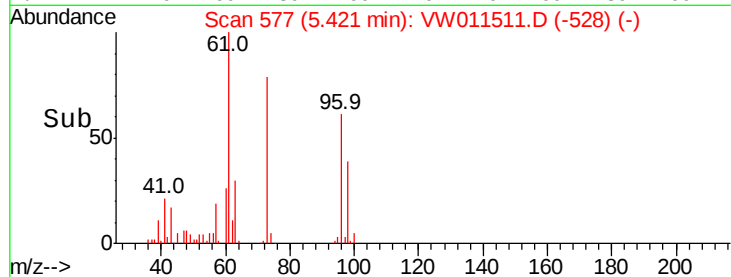
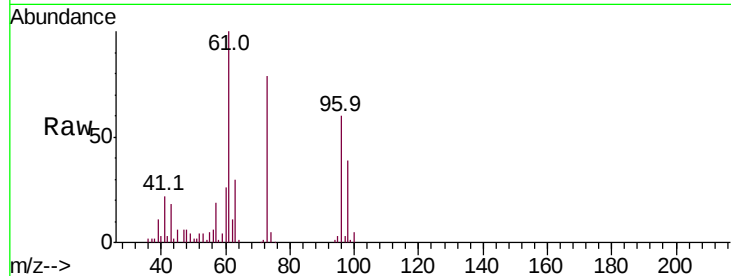
98 64.2 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.328 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion: 45 Resp: 208579

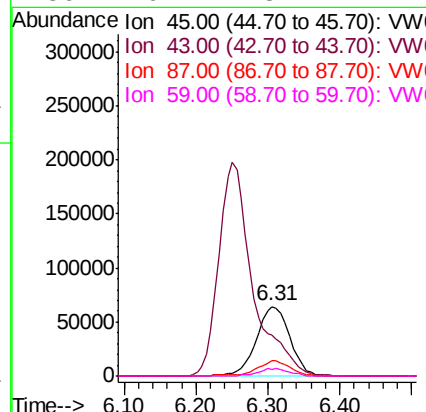
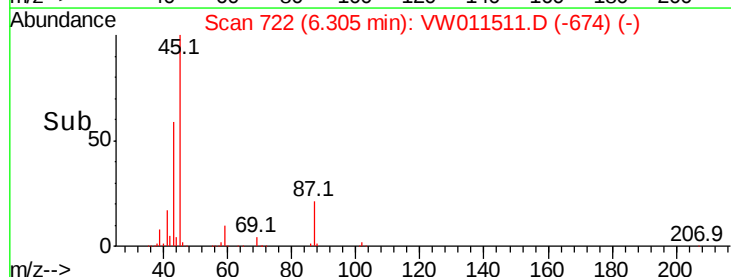
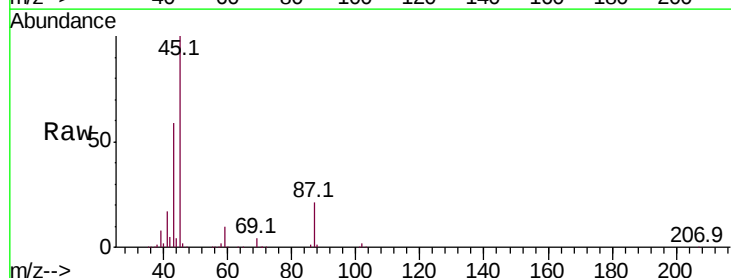
Ion Ratio Lower Upper

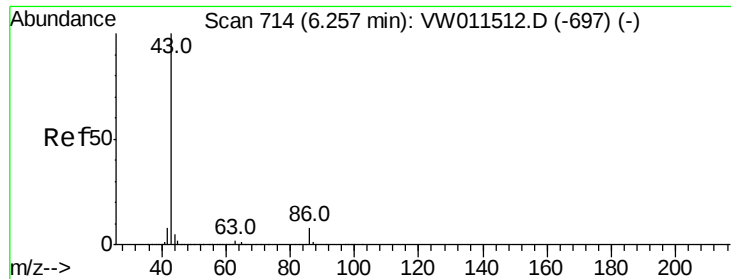
45 100

43 58.0 42.6 63.8

87 21.5 16.4 24.6

59 10.1 8.2 12.2





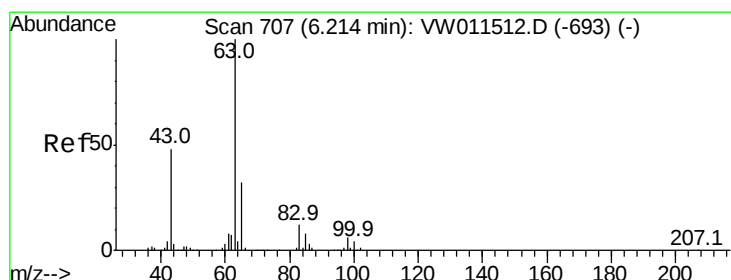
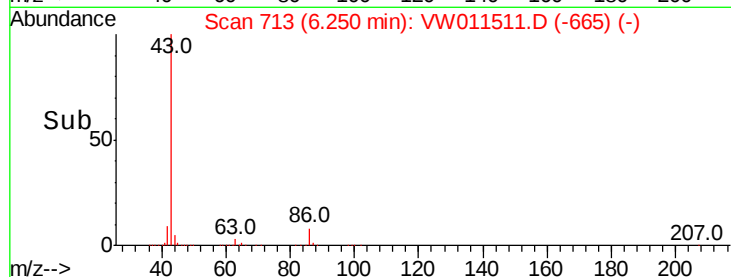
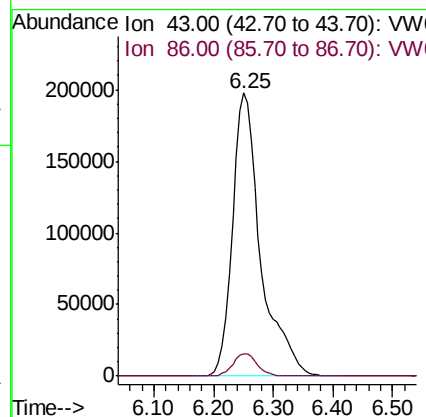
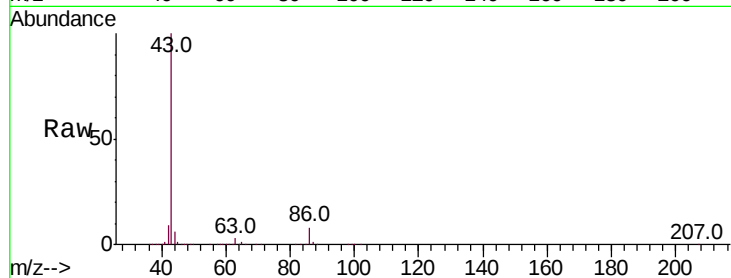
#23
 Vinyl Acetate
 Concen: 100.817 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.5	9.7

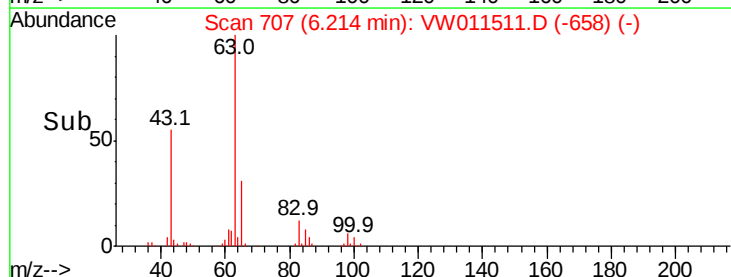
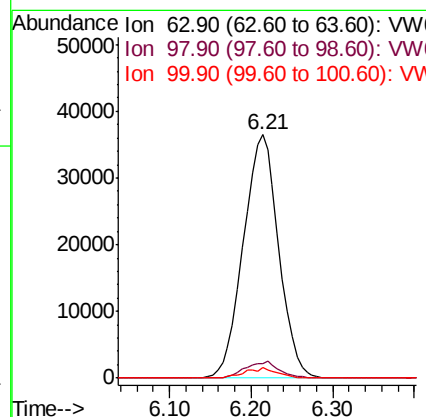
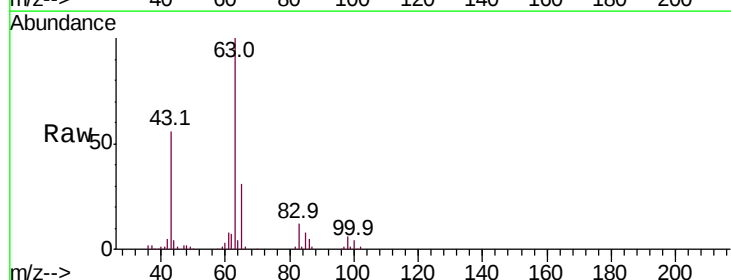
Manual Integrations
 APPROVED

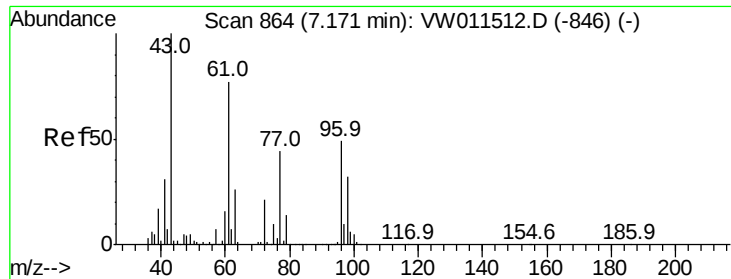
MMDadoda
 7/29/2019 9:17:38 AM



#24
 1,1-Dichloroethane
 Concen: 19.995 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.9	8.8
100	4.2	2.1	6.3





#25

2-Butanone

Concen: 94.414 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 110870

Ion Ratio Lower Upper

43 100

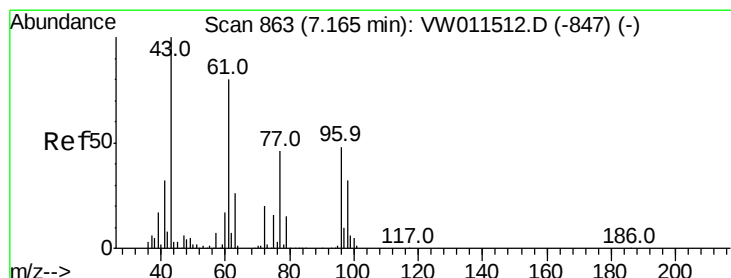
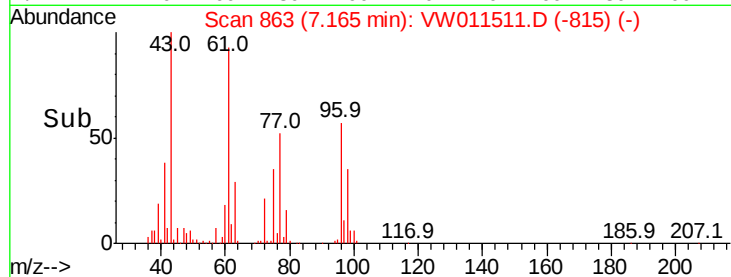
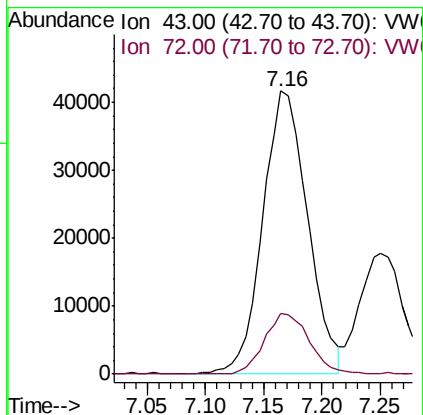
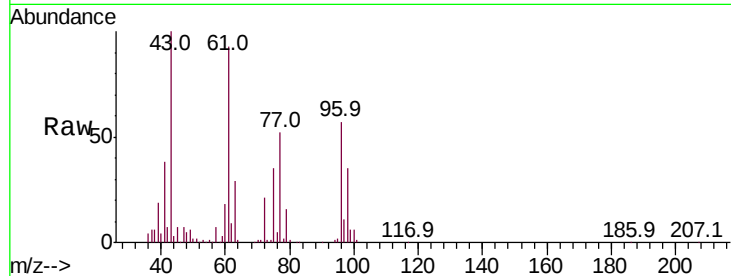
72 21.5 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.651 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011511.D

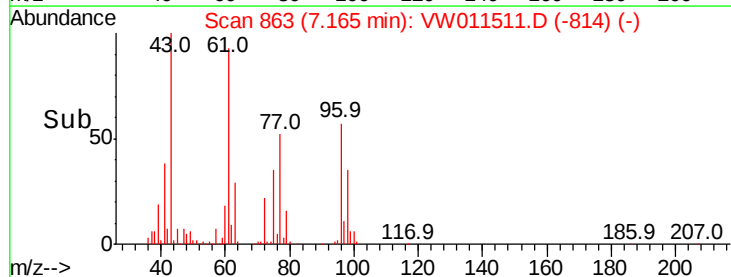
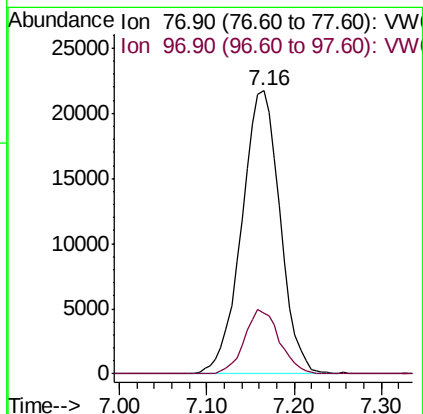
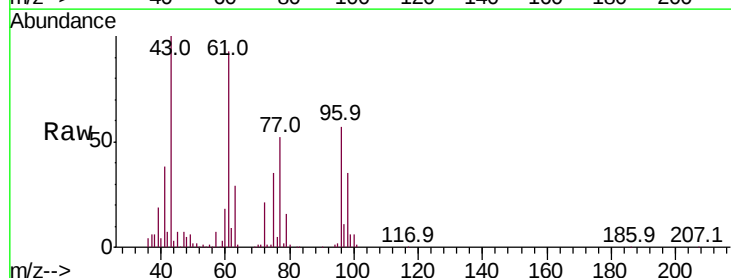
Acq: 26 Jul 2019 12:24

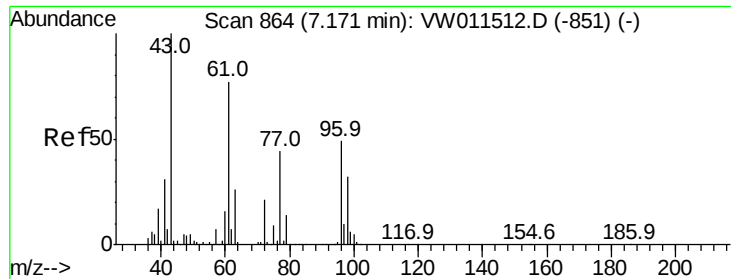
Tgt Ion: 77 Resp: 66411

Ion Ratio Lower Upper

77 100

97 20.7 10.8 32.4





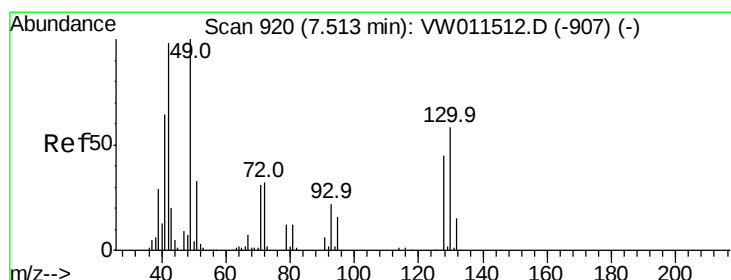
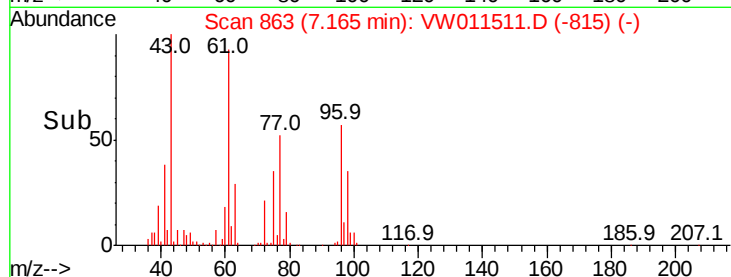
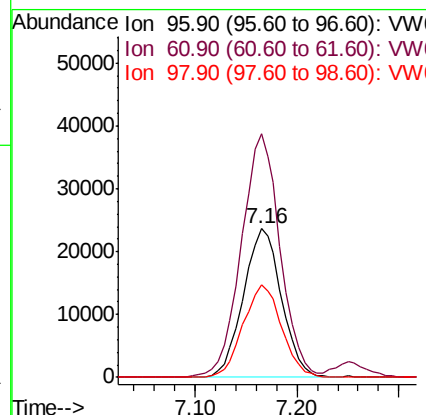
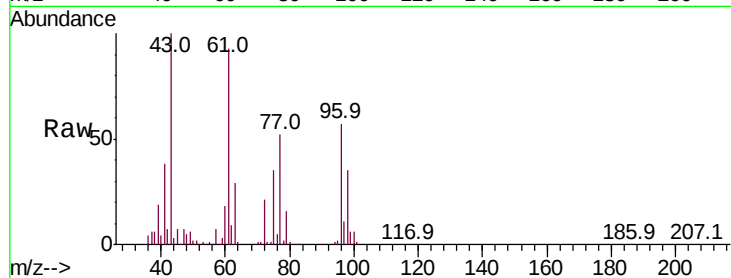
#27
 cis-1,2-Dichloroethene
 Concen: 20.214 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.1	0.0	328.4
98	62.9	0.0	128.8

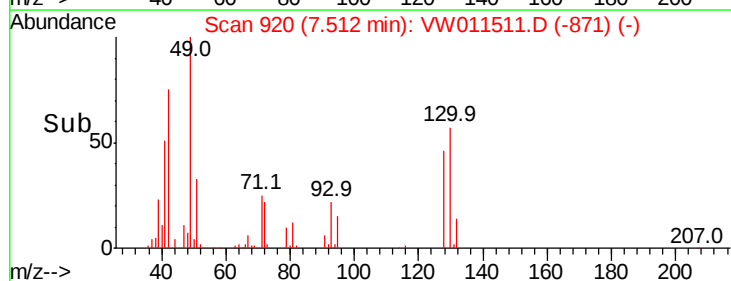
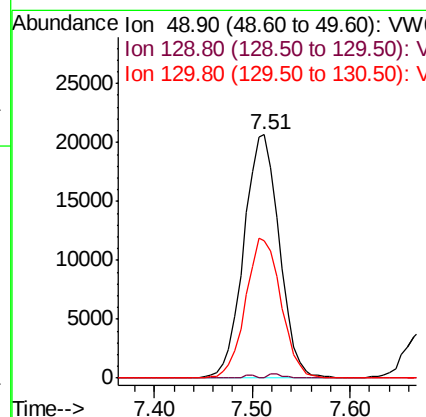
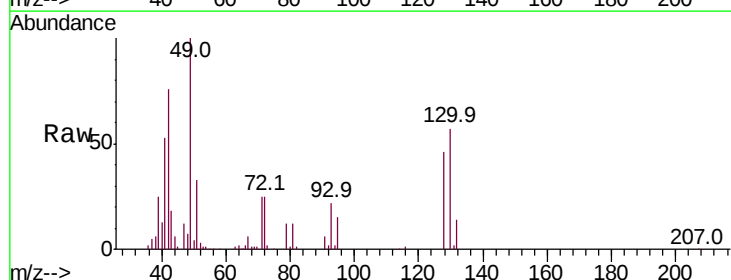
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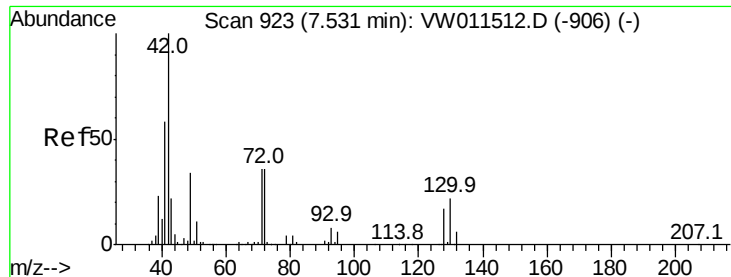
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#28
 Bromochloromethane
 Concen: 21.396 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	57.3	46.3	69.5





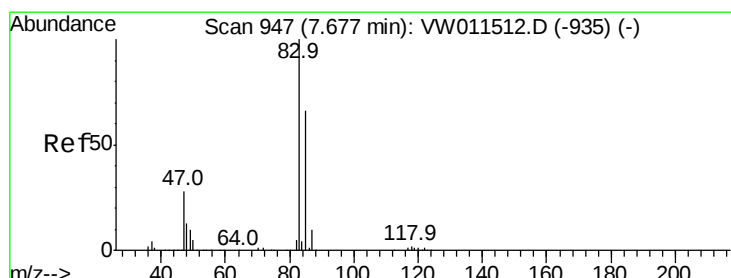
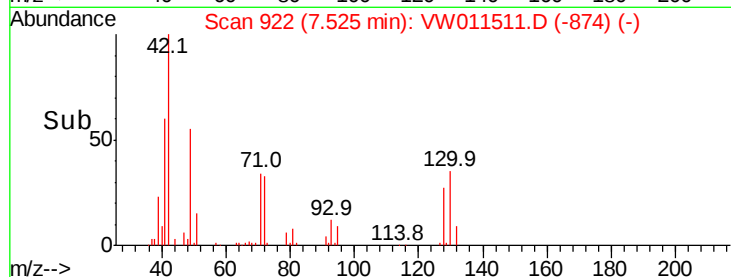
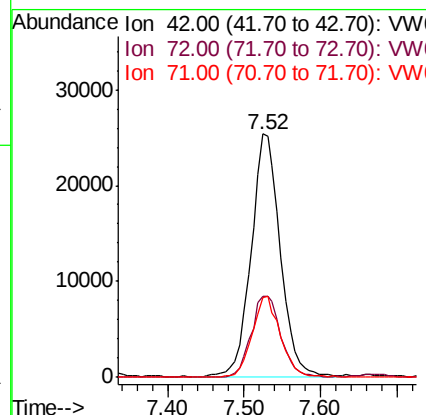
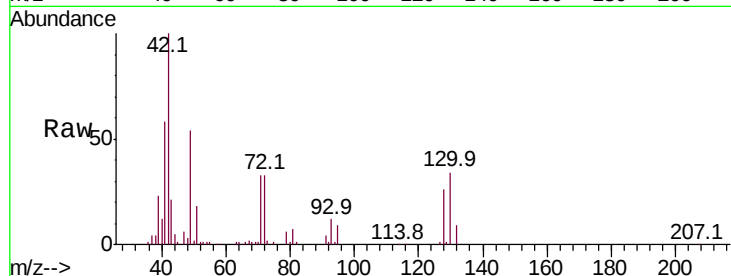
#29
Tetrahydrofuran
Concen: 100.078 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.1	40.7
71	32.5	26.2	39.4

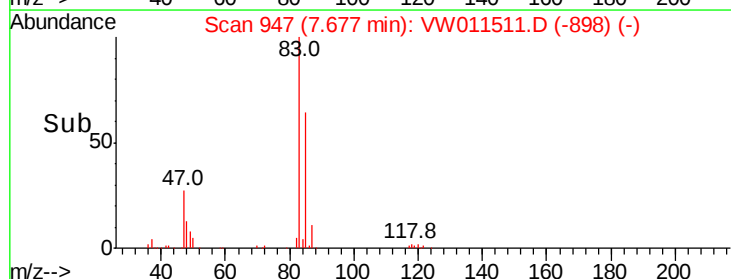
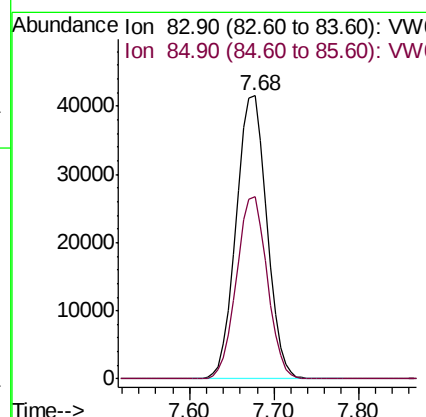
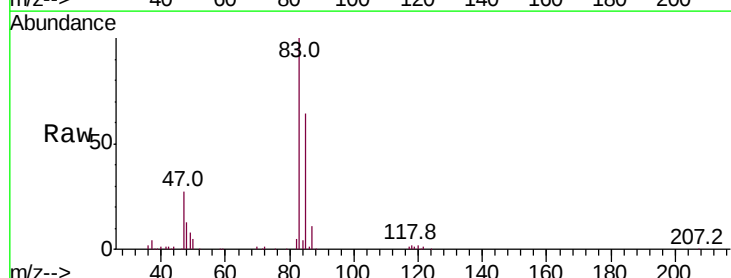
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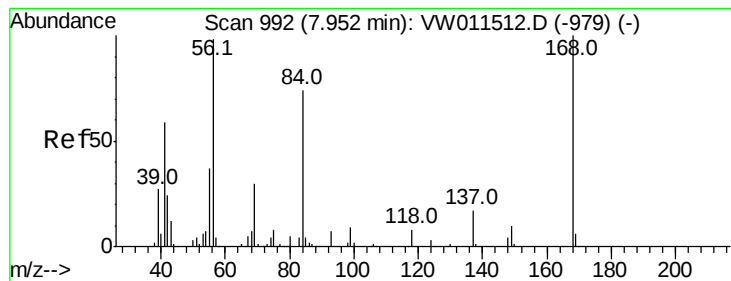
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#30
Chloroform
Concen: 20.169 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7





#31

Cyclohexane

Concen: 20.287 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 107011

Ion Ratio Lower Upper

56 100

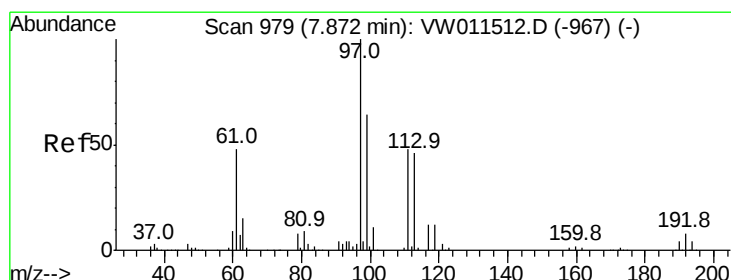
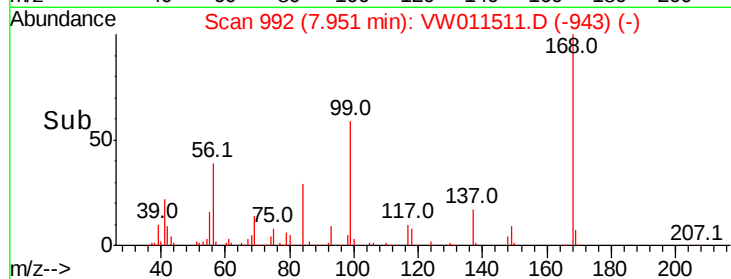
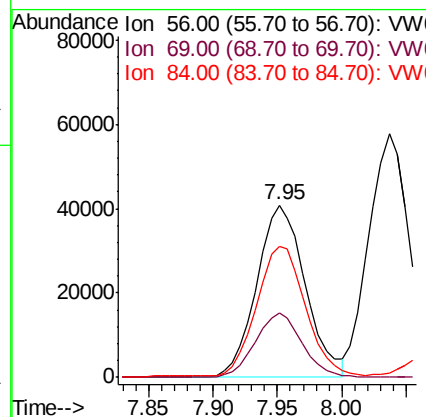
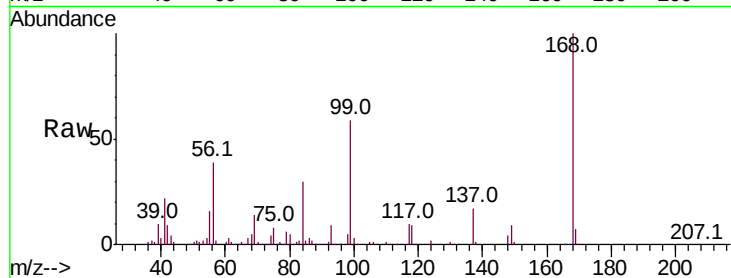
69 37.2 24.3 36.5#

84 74.9 60.4 90.6

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#32

1,1,1-Trichloroethane

Concen: 20.148 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

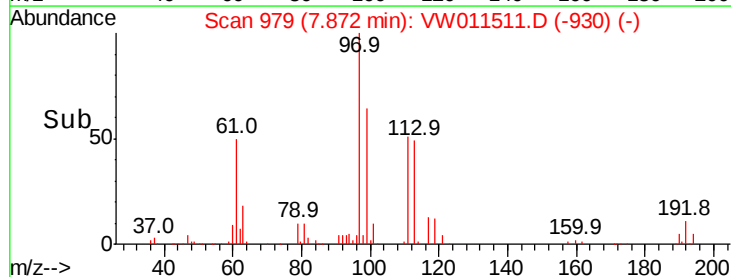
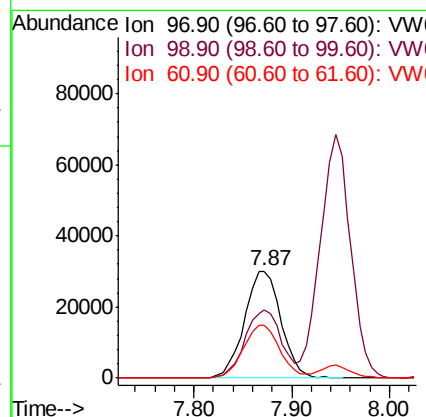
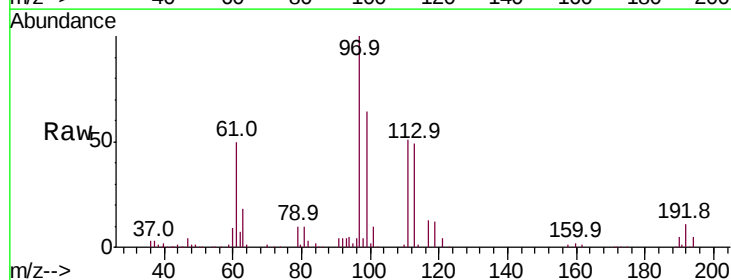
Tgt Ion: 97 Resp: 77790

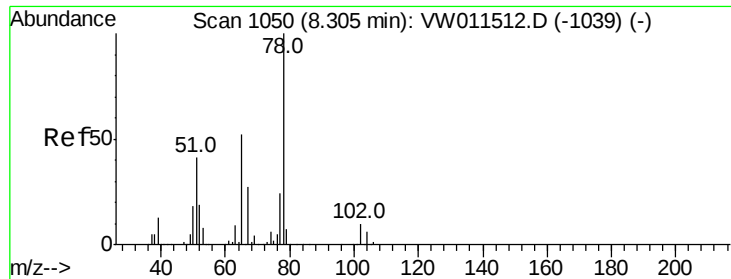
Ion Ratio Lower Upper

97 100

99 63.1 51.0 76.6

61 49.6 39.8 59.6





#33

1,2-Dichloroethane-d4

Concen: 19.964 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

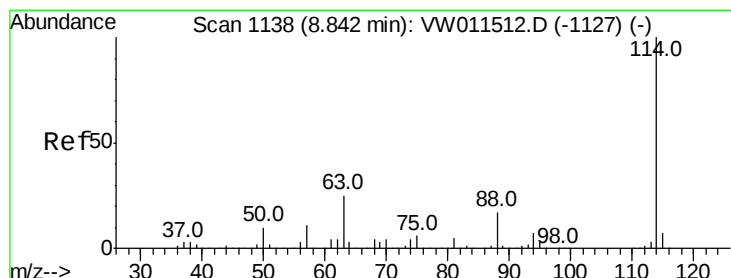
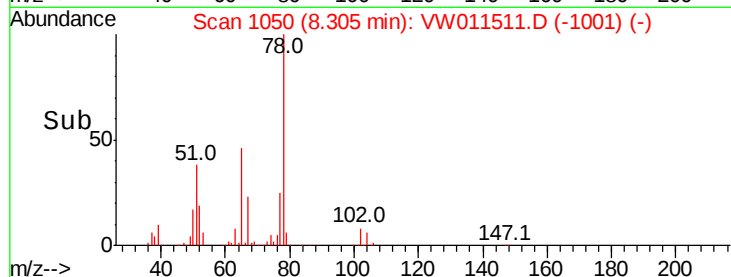
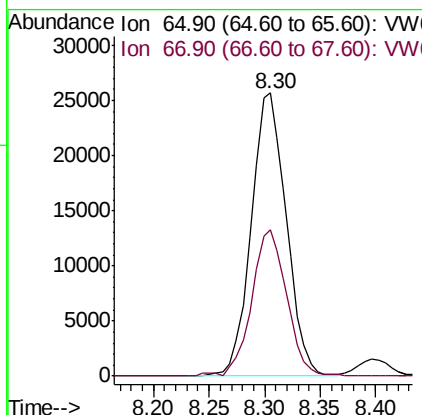
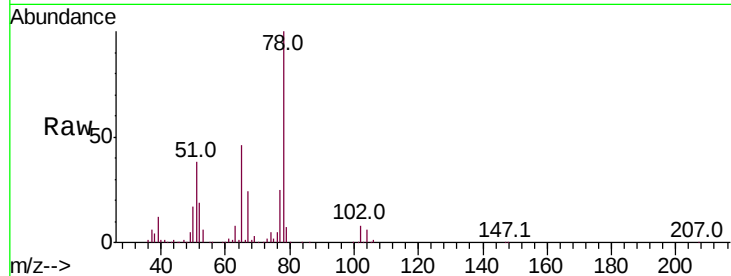
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

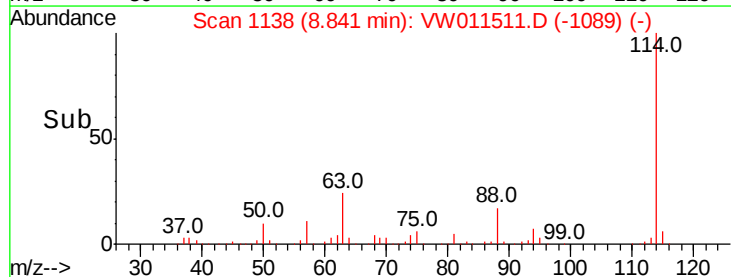
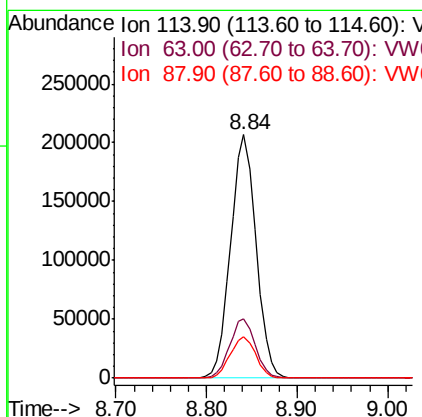
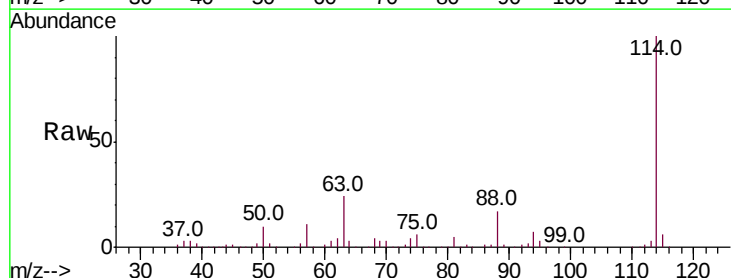
RT: 8.84 min Scan# 1138

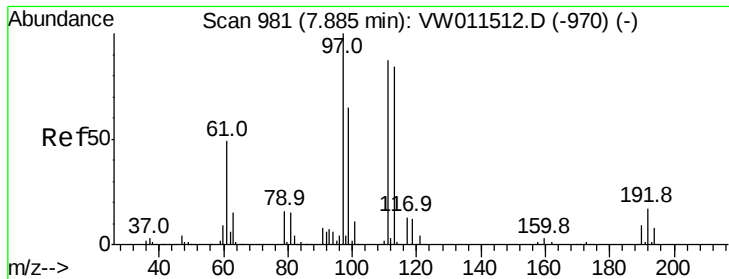
Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	17.0	0.0	33.8





#35

Dibromofluoromethane

Concen: 19.888 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

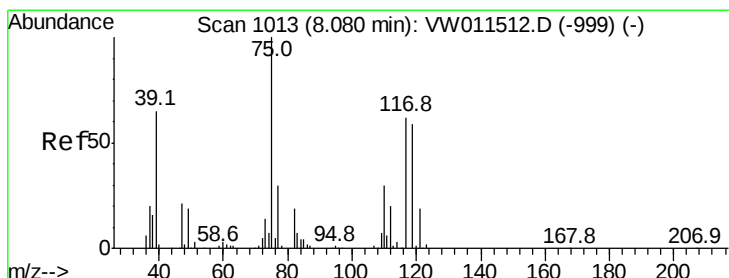
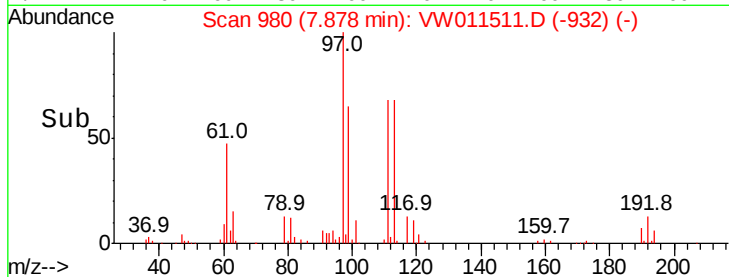
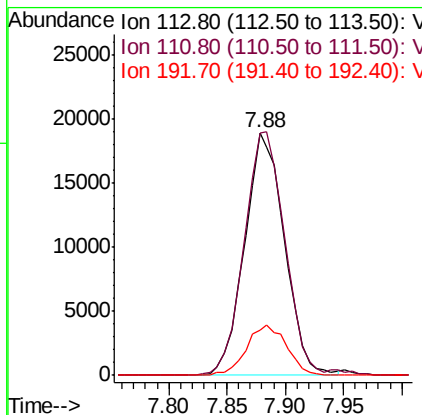
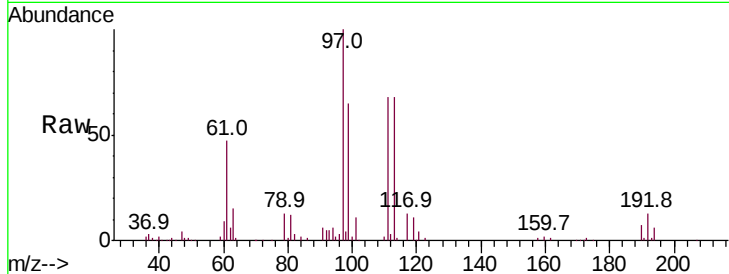
ClientSampled :

VSTDIC020

Tot Ion:	113	Resp:	44915
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	20.7	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 20.171 ug/l

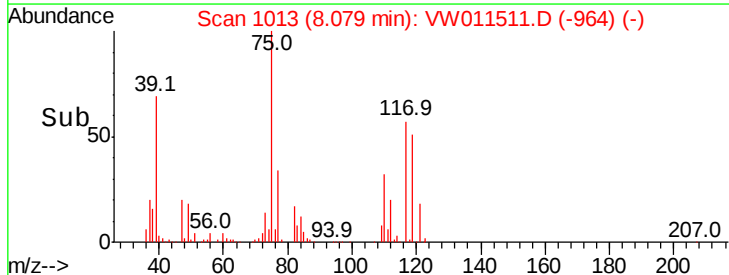
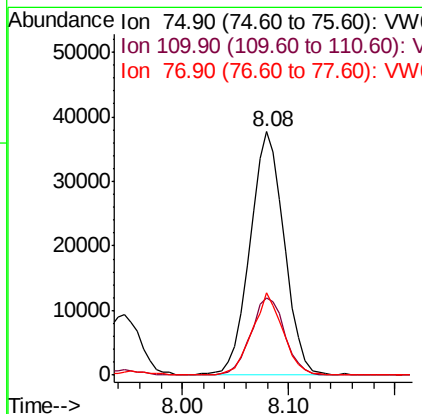
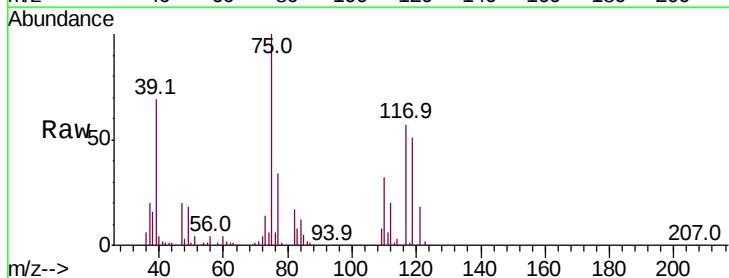
RT: 8.08 min Scan# 1013

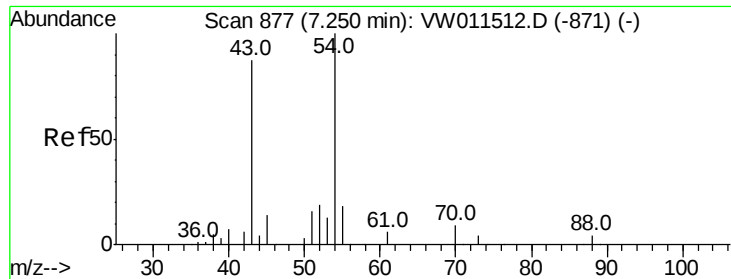
Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion:	75	Resp:	84435
Ion	Ratio	Lower	Upper
75	100		
110	31.7	15.6	46.8
77	30.8	24.3	36.5





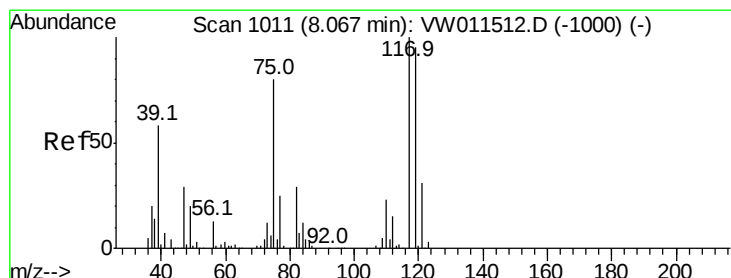
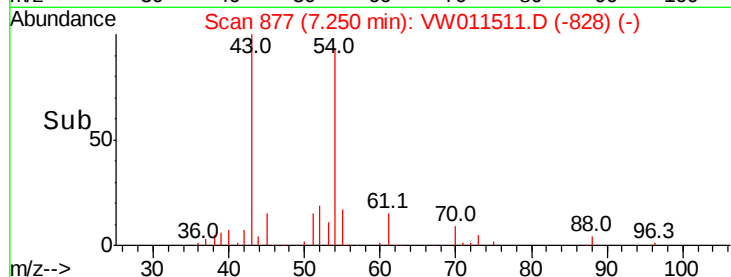
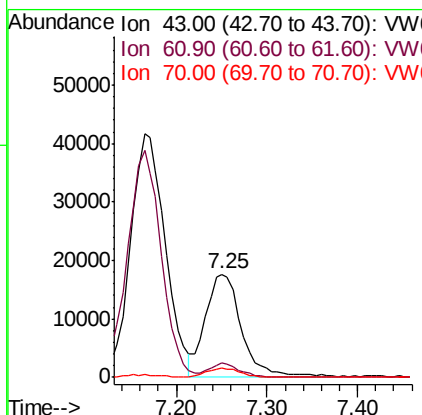
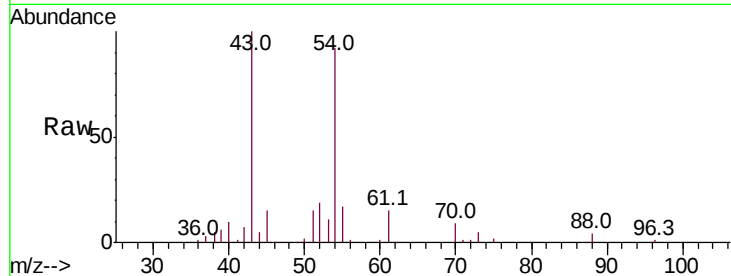
#37
Ethyl Acetate
Concen: 19.976 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	8.8	13.2
70	8.9	7.1	10.7

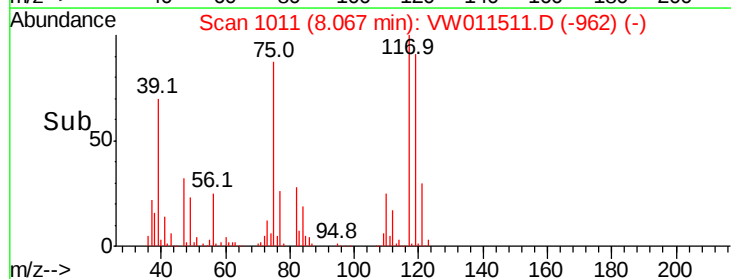
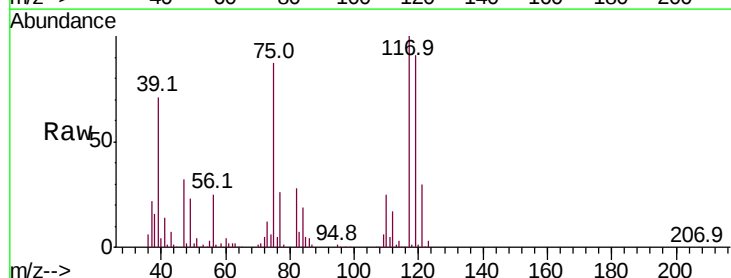
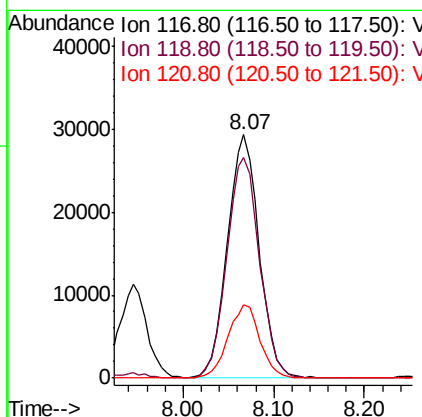
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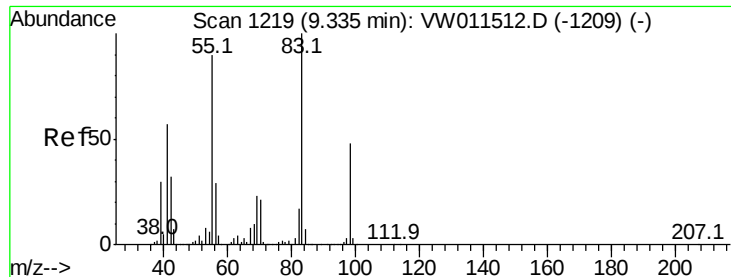
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#38
Carbon Tetrachloride
Concen: 19.905 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.8	113.6
121	30.4	24.7	37.1





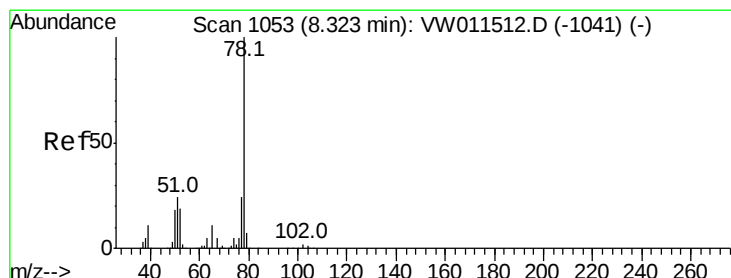
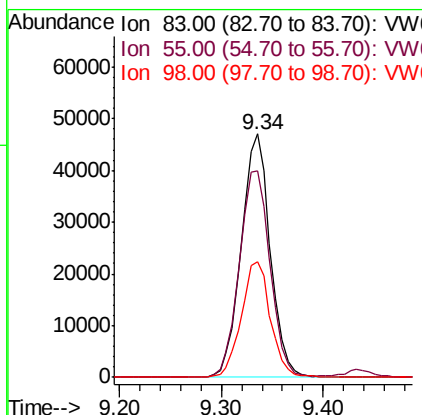
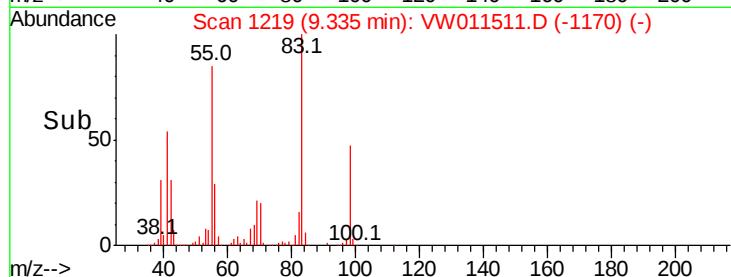
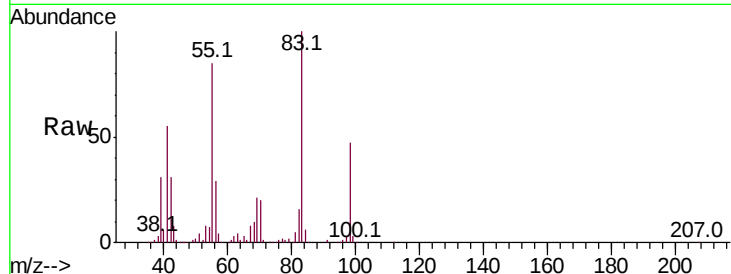
#39
Methvlcvclohexane
Concen: 20.130 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	92782
Ion Ratio	100	Lower	Upper
55	85.0	72.1	108.1
98	47.4	38.6	57.8

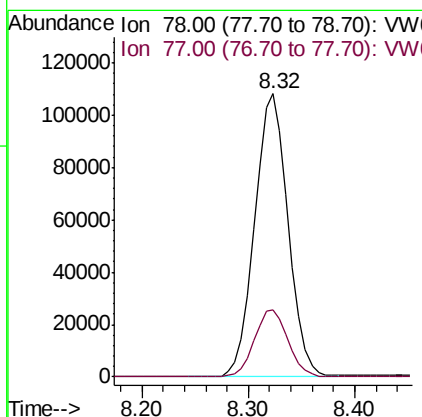
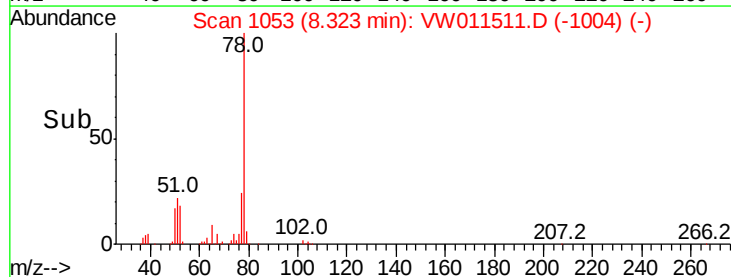
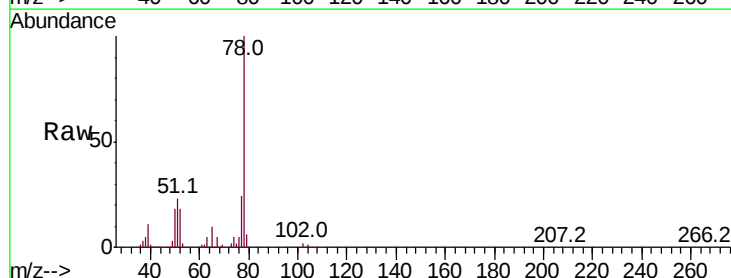
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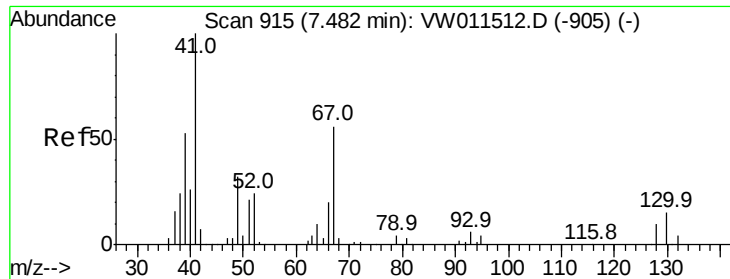
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#40
Benzene
Concen: 20.250 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	78	Resp	237428
Ion Ratio	100	Lower	Upper
77	23.8	19.4	29.0





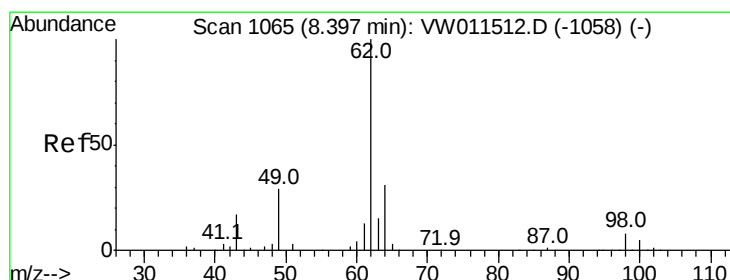
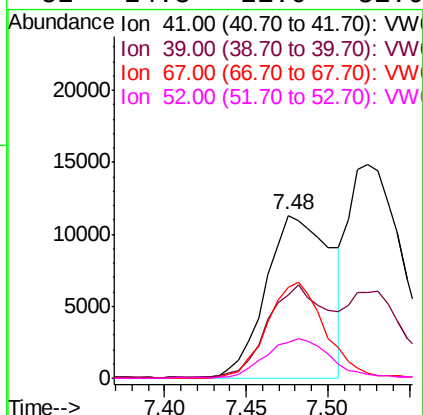
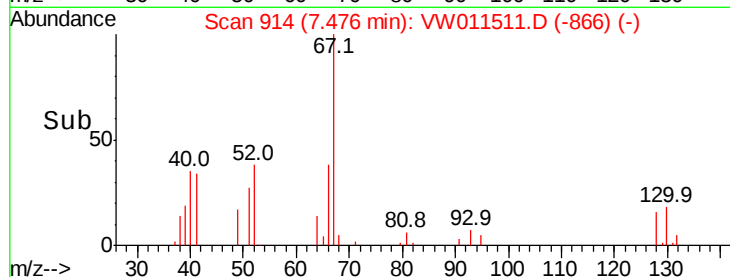
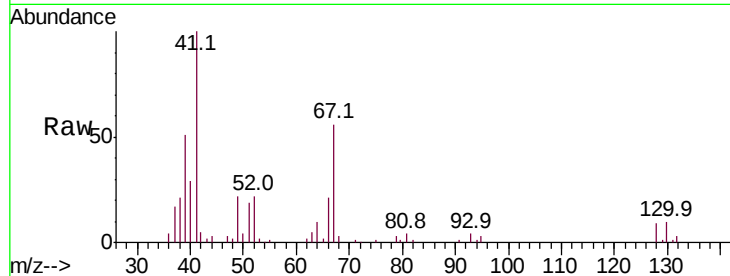
#41
Methacrylonitrile
Concen: 21.859 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	31468
Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.0	64.4
67	52.3	47.5	71.3
52	24.3	21.0	31.6

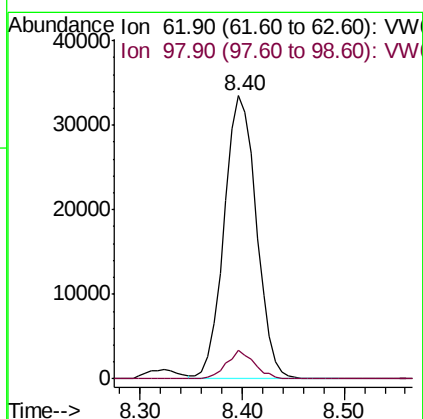
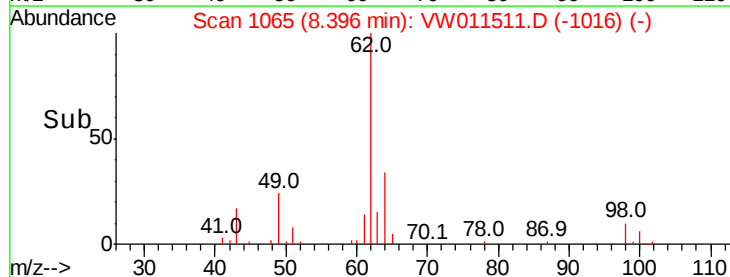
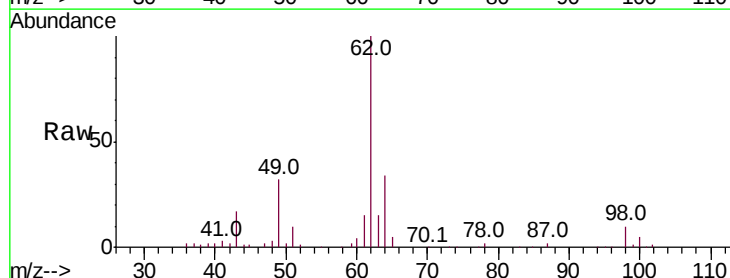
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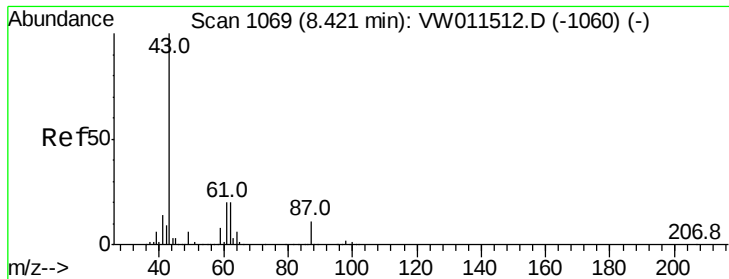
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.998 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	62	Resp	73412
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.369 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

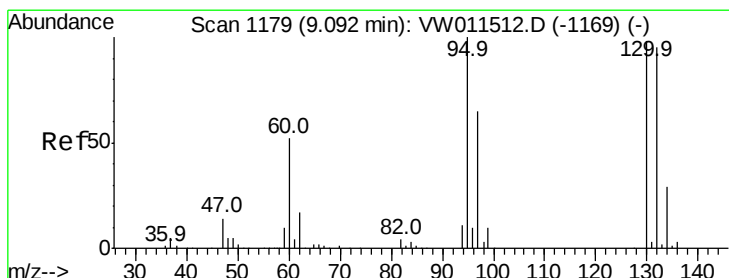
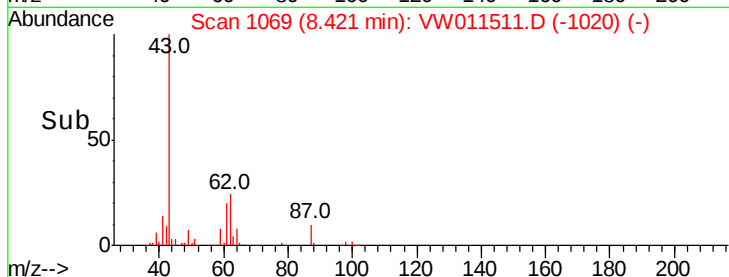
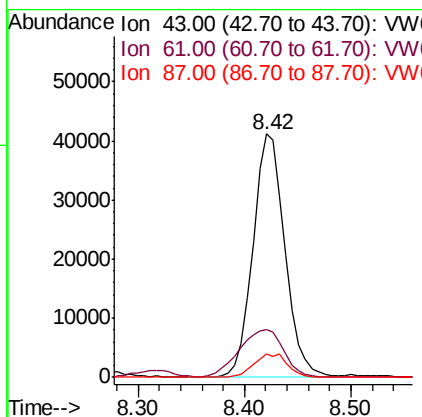
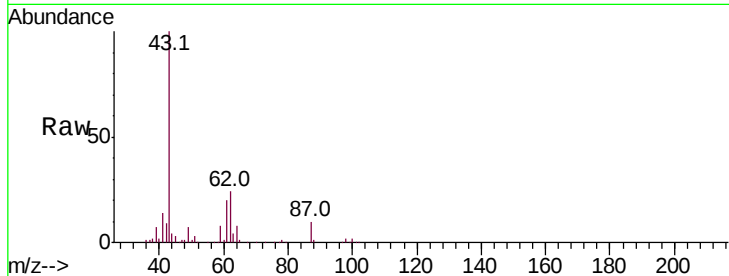
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	85786
Ion	Ratio	Lower	Upper
43	100		
61	27.7	21.5	32.3
87	10.4	8.4	12.6

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#44

Trichloroethene

Concen: 19.835 ug/l

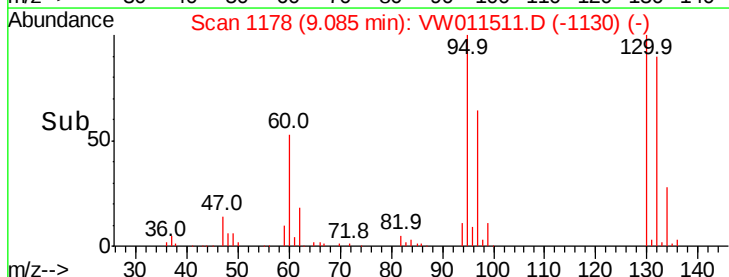
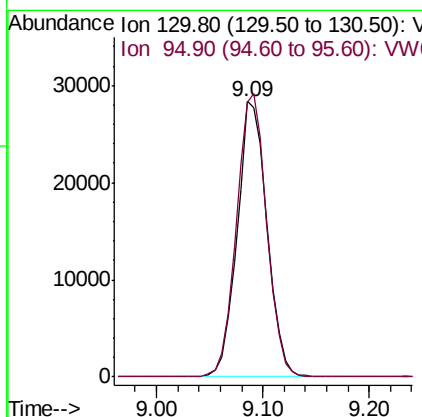
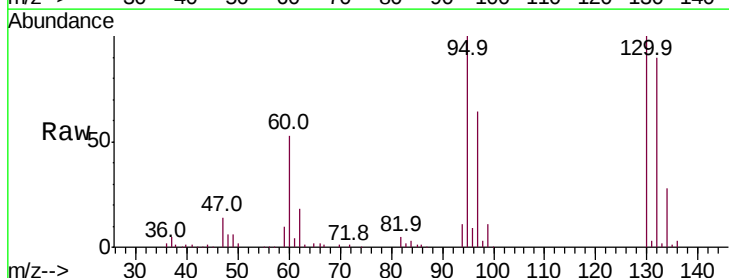
RT: 9.09 min Scan# 1178

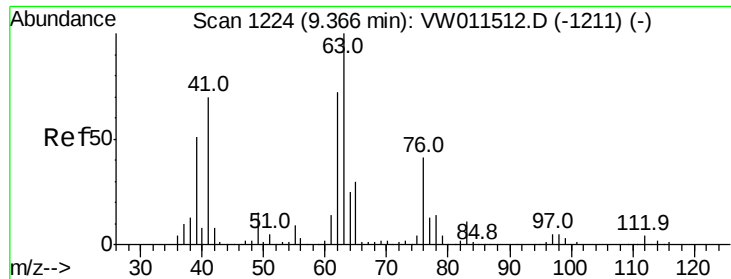
Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion:	130	Resp:	55897
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	204.8





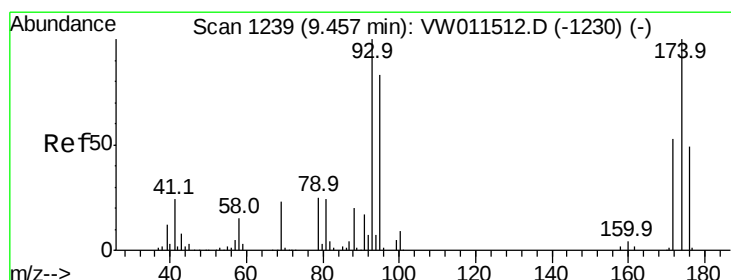
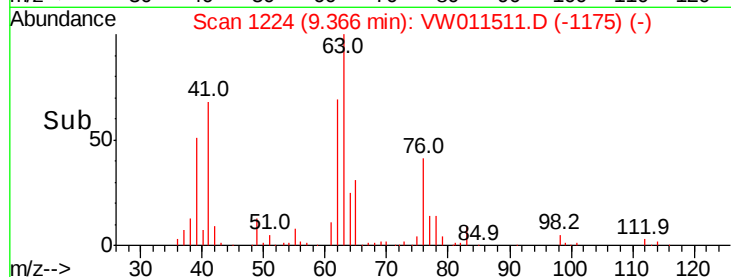
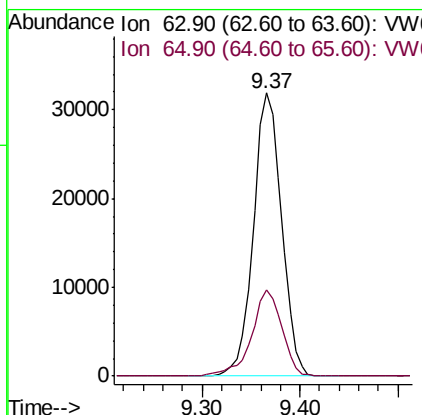
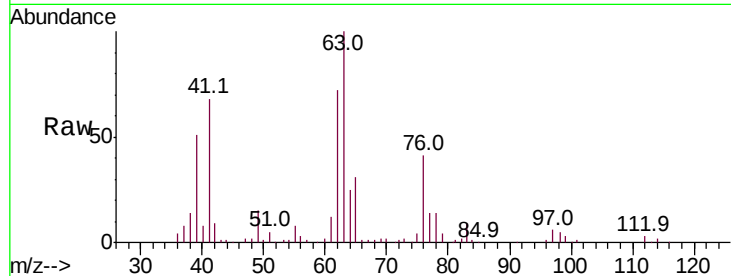
#45
 1,2-Dichloropropane
 Concen: 20.312 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.2	36.4

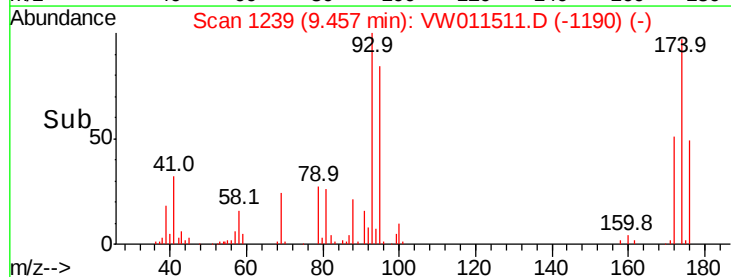
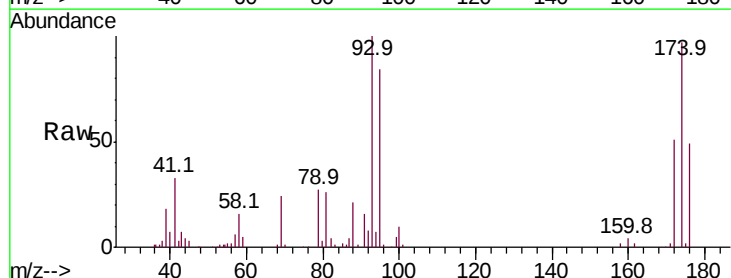
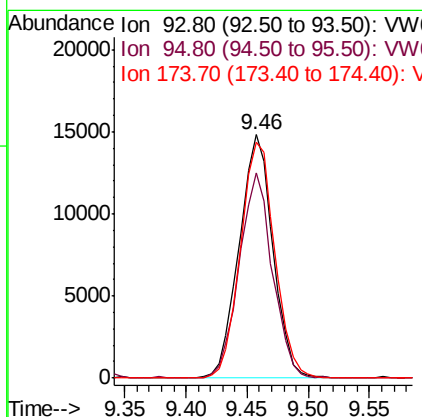
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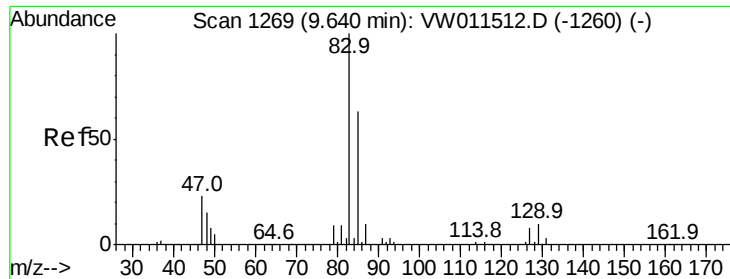
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#46
 Dibromomethane
 Concen: 19.771 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.2
174	98.8	78.2	117.4





#47

Bromodichloromethane

Concen: 19.801 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

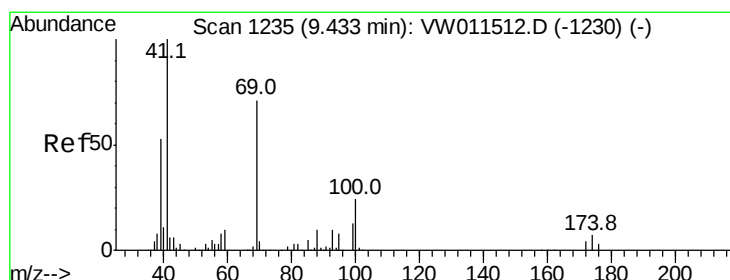
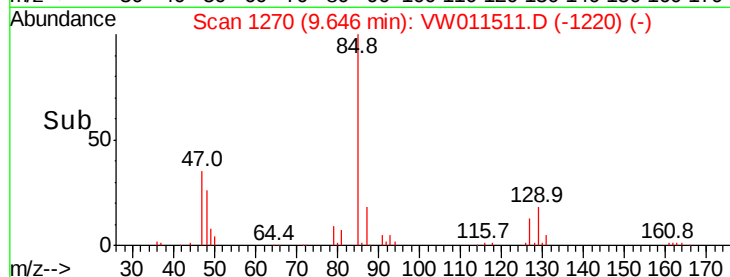
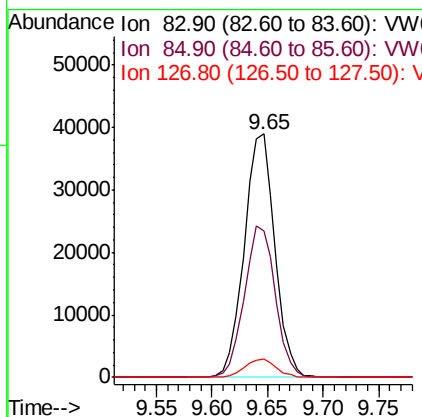
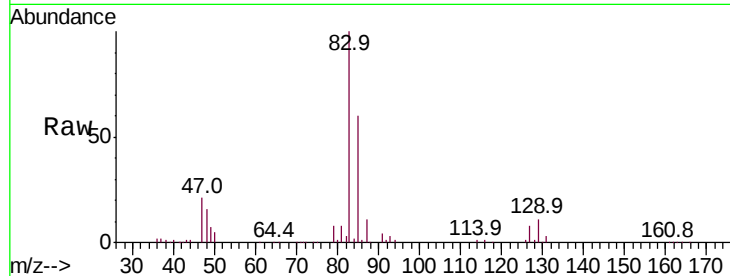
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	74372
Ion Ratio	Lower	Upper	
83	100		
85	60.0	50.5	75.7
127	7.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.423 ug/l

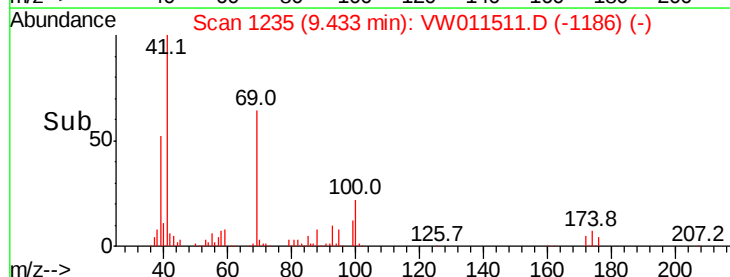
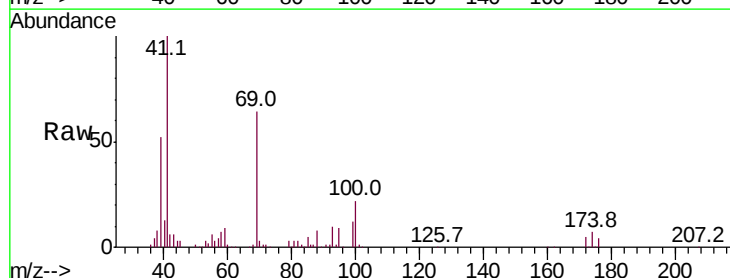
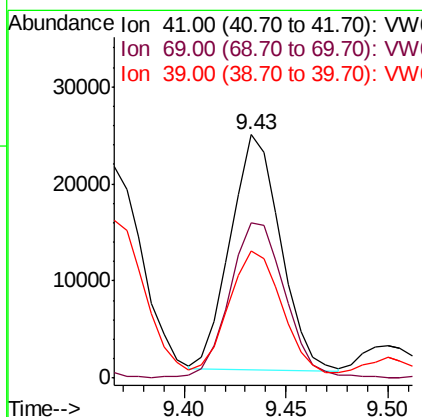
RT: 9.43 min Scan# 1235

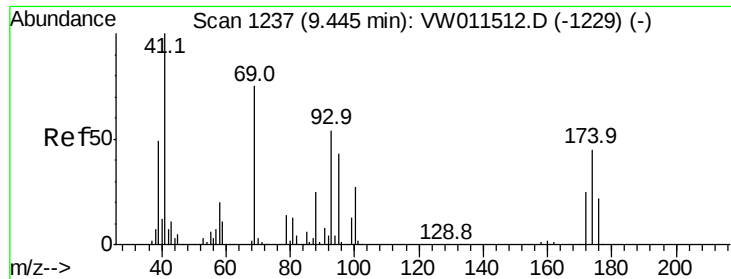
Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion:	41	Resp:	41322
Ion Ratio	Lower	Upper	
41	100		
69	72.4	57.1	85.7
39	58.9	45.4	68.2





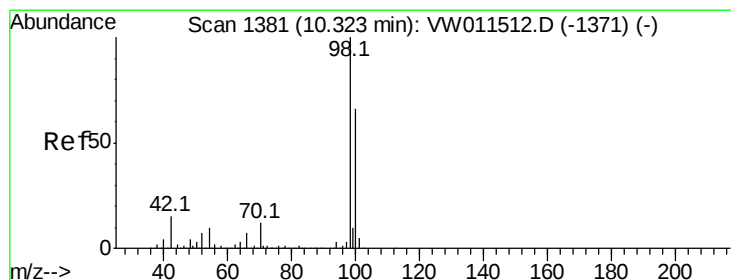
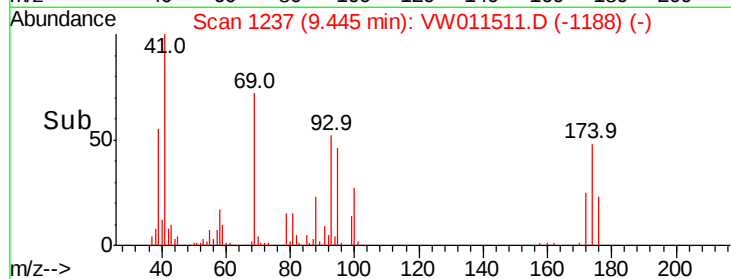
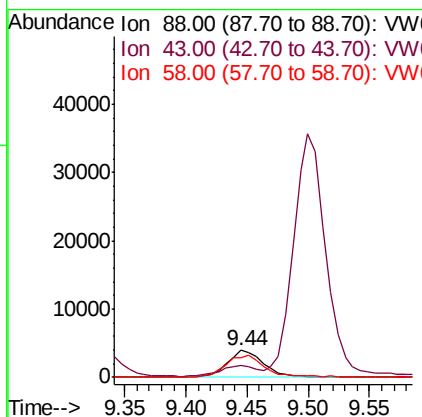
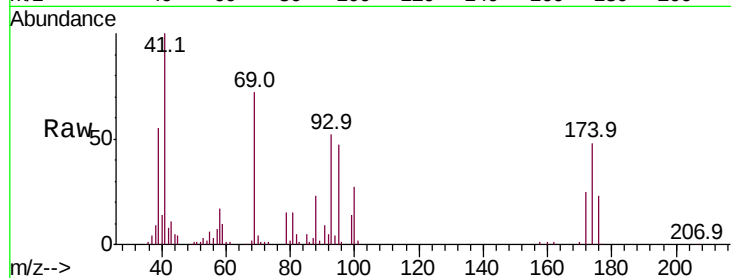
#49
 1,4-Dioxane
 Concen: 388.424 ug/l
 RT: 9.44 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.5	34.0	51.0
58	90.9	69.7	104.5

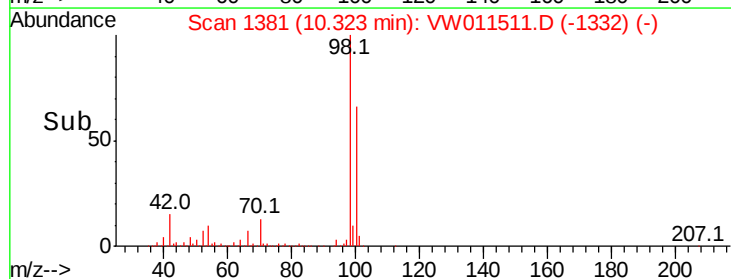
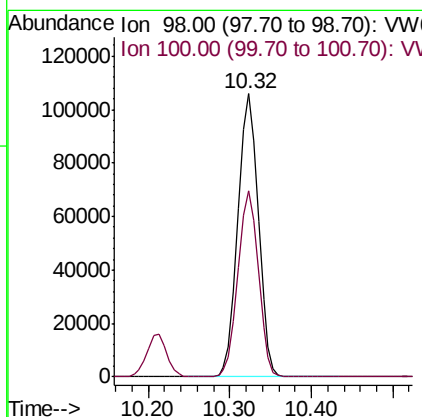
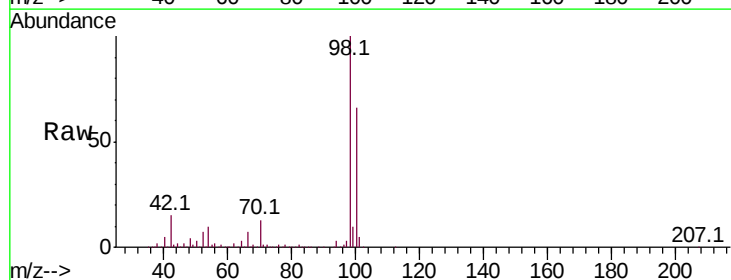
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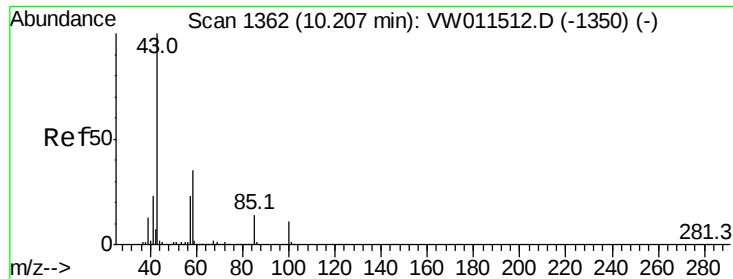
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#50
 Toluene-d8
 Concen: 19.816 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 98.434 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 226762

Ion Ratio Lower Upper

43 100

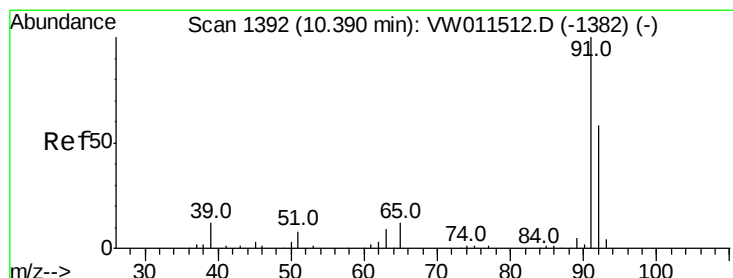
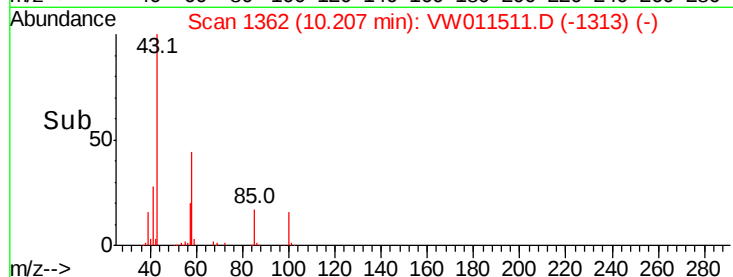
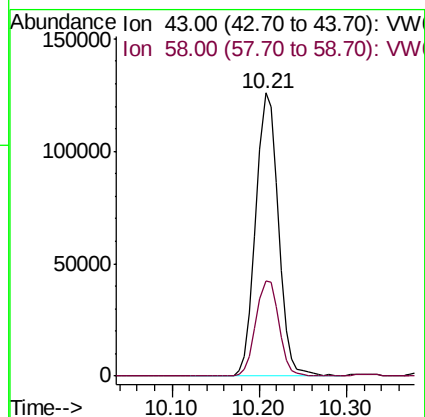
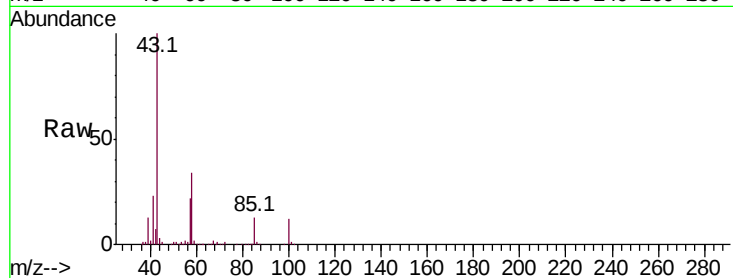
58 34.5 28.2 42.2

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#52

Toluene

Concen: 20.210 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011511.D

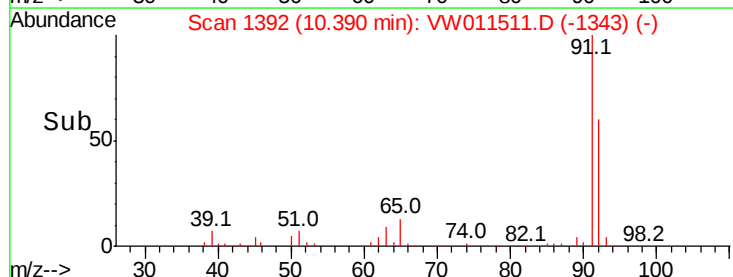
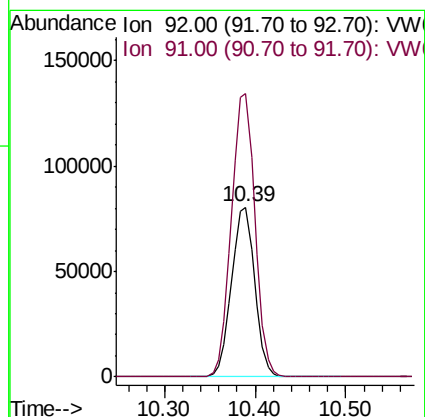
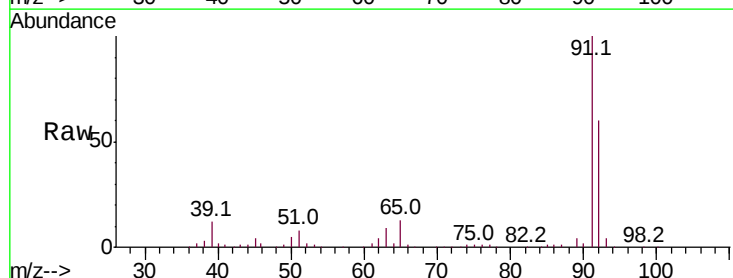
Acq: 26 Jul 2019 12:24

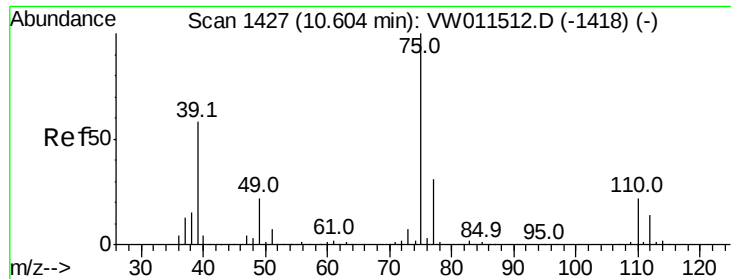
Tgt Ion: 92 Resp: 143102

Ion Ratio Lower Upper

92 100

91 169.8 136.7 205.1





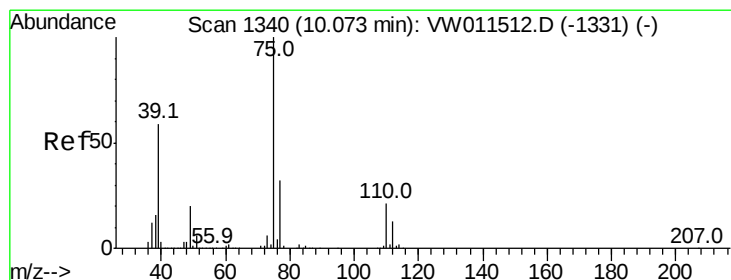
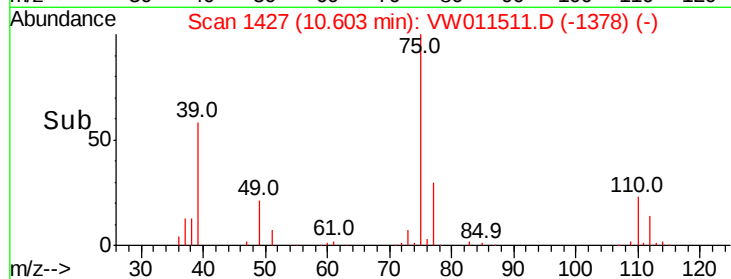
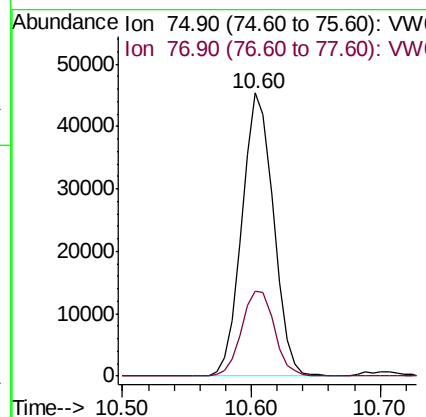
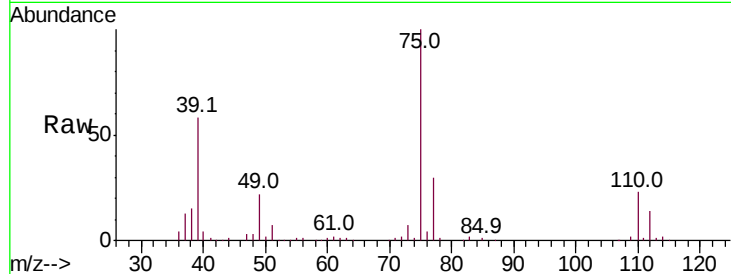
#53
 t-1,3-Dichloropropene
 Concen: 19.582 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 76831
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.0 37.4

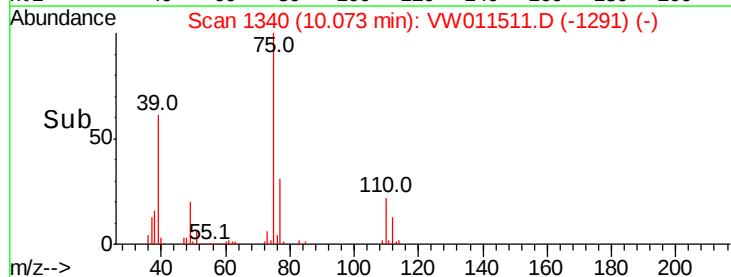
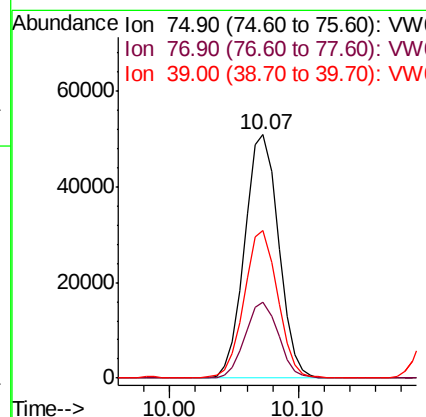
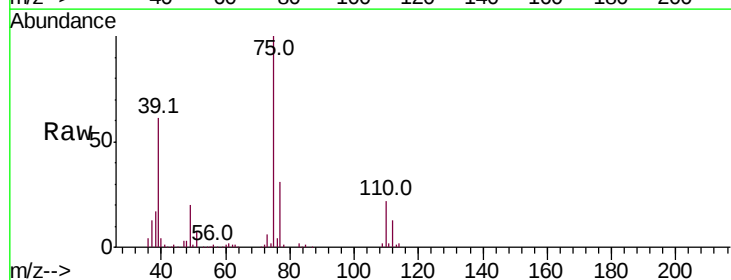
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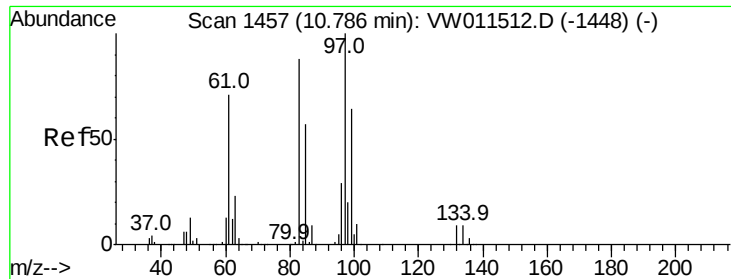
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#54
 cis-1,3-Dichloropropene
 Concen: 19.930 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 75 Resp: 92976
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.6 38.4
 39 60.5 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 19.845 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 40318

Ion Ratio Lower Upper

97 100

83 91.0 70.5 105.7

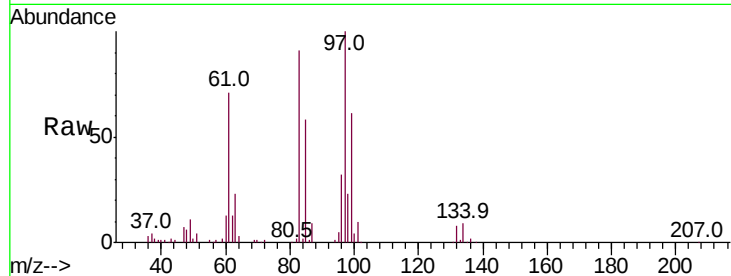
85 58.0 45.8 68.6

99 61.4 51.0 76.4

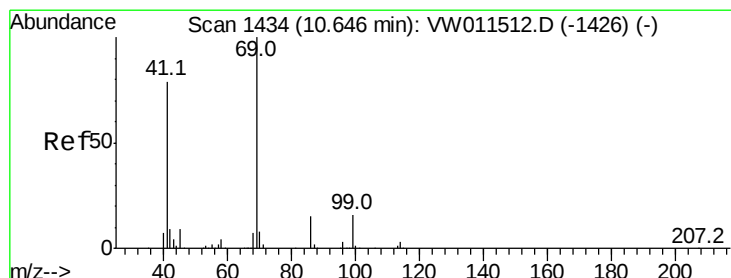
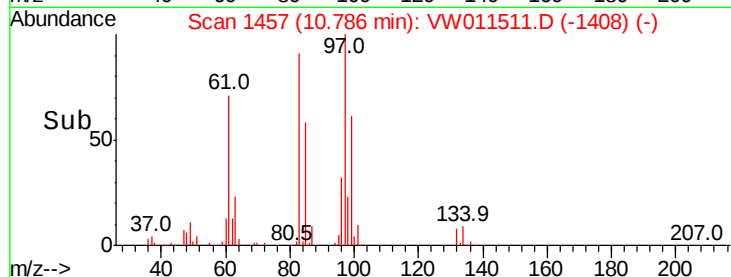
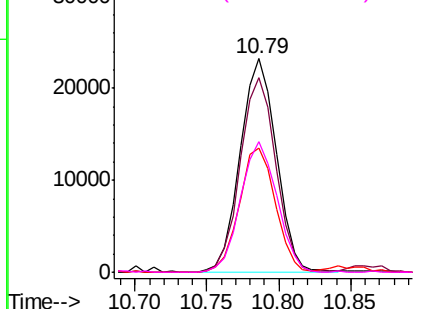
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Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.560 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

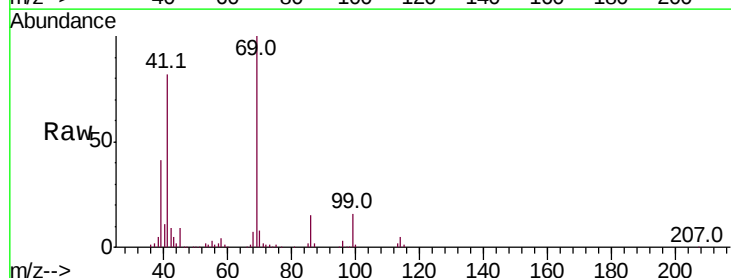
Tgt Ion: 69 Resp: 58150

Ion Ratio Lower Upper

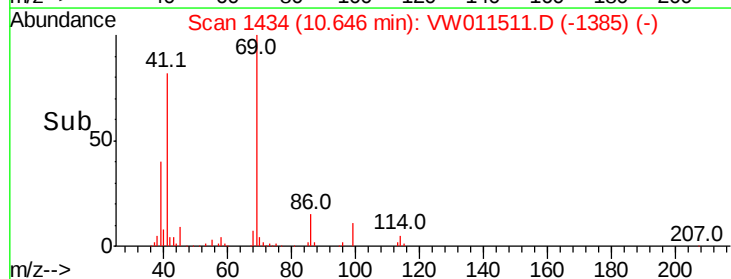
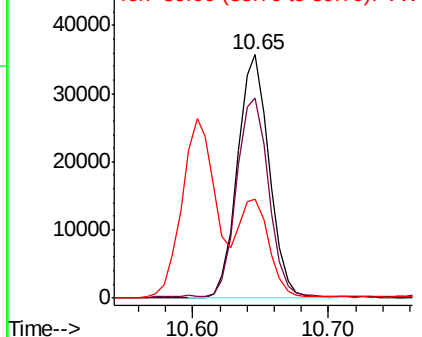
69 100

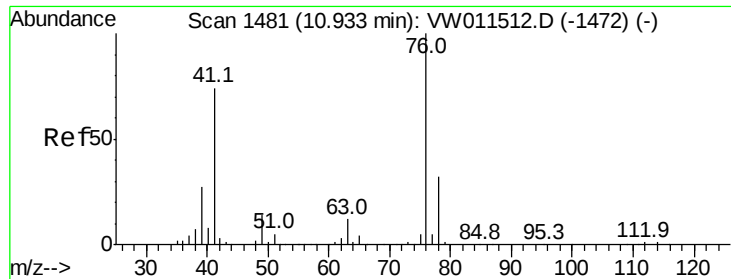
41 84.8 66.6 99.8

39 38.8 30.3 45.5



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.245 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 77812

Ion Ratio Lower Upper

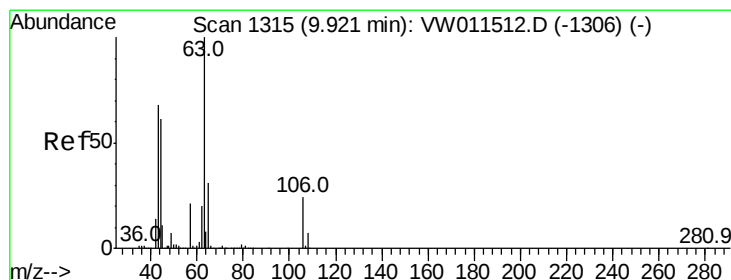
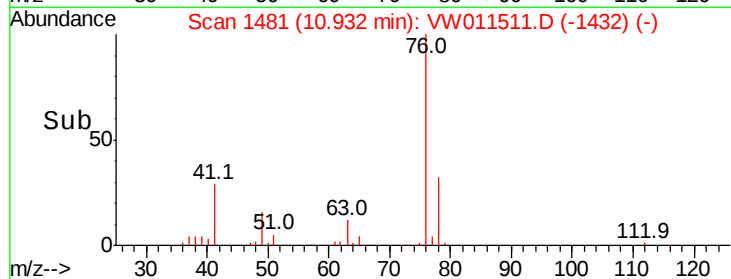
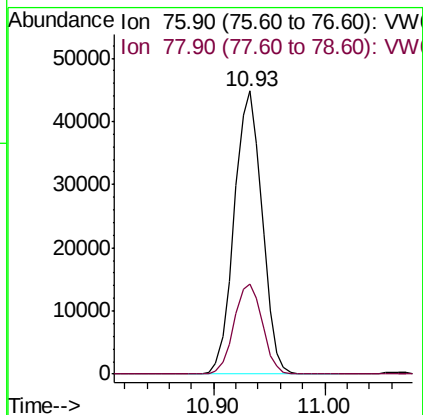
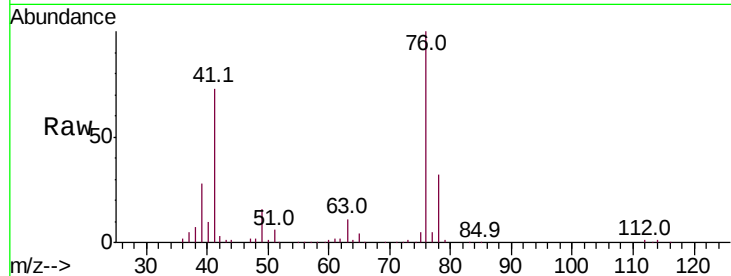
76 100

78 32.2 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 111.072 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011511.D

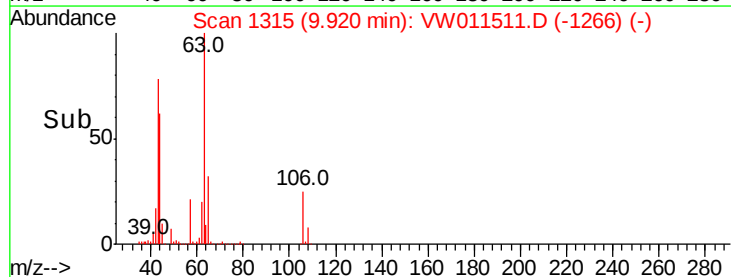
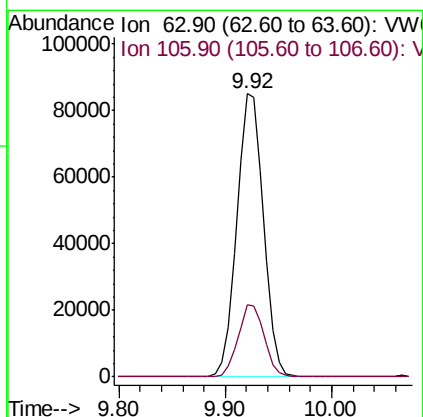
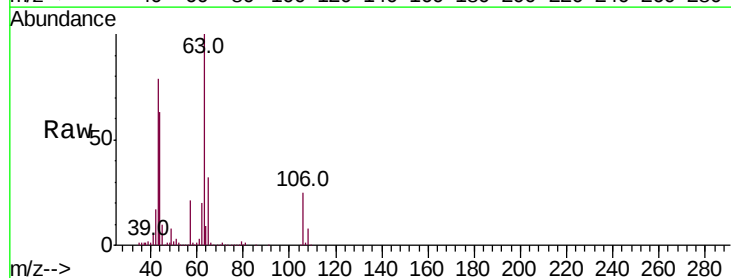
Acq: 26 Jul 2019 12:24

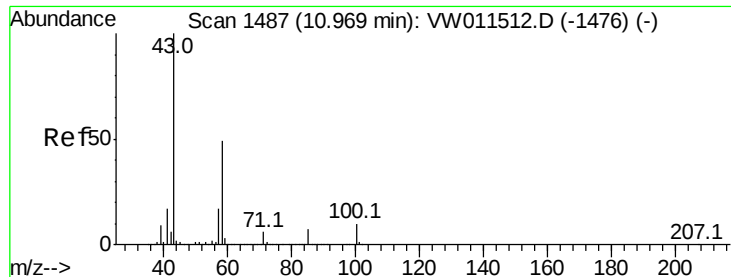
Tgt Ion: 63 Resp: 149926

Ion Ratio Lower Upper

63 100

106 24.9 19.7 29.5





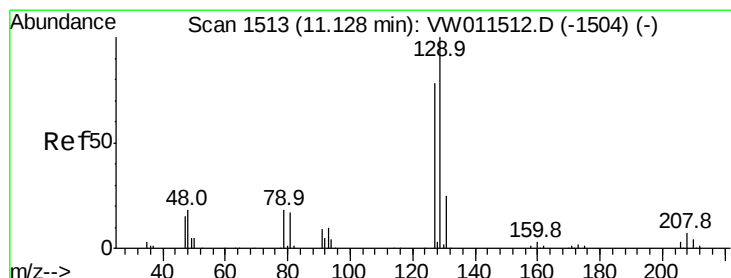
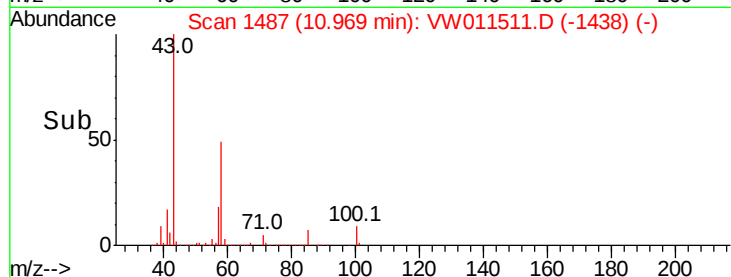
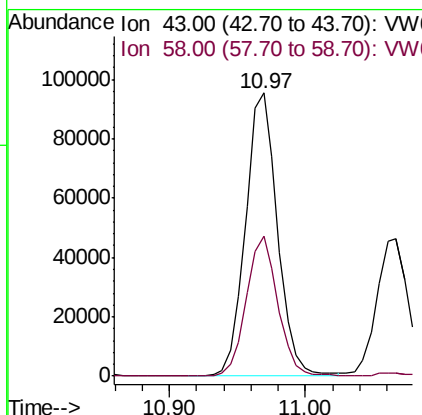
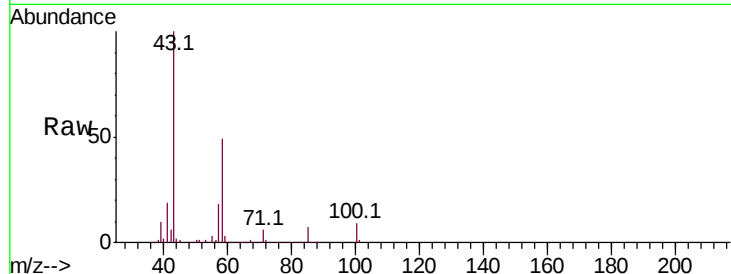
#59
2-Hexanone
Concen: 96.720 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 157322
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9

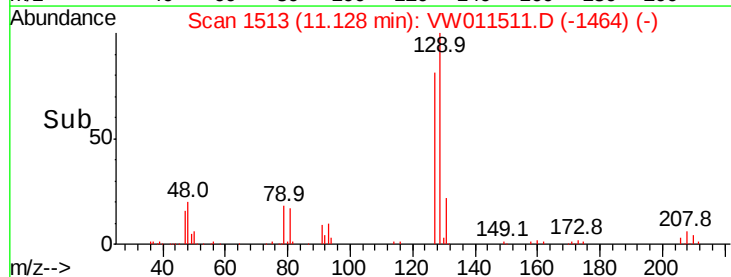
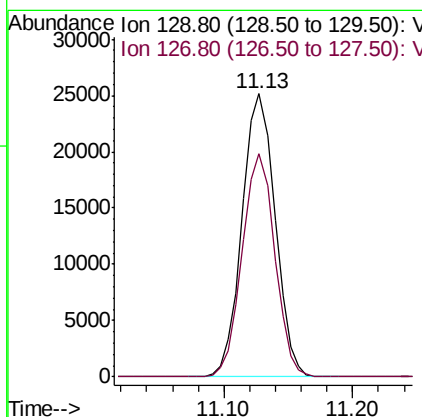
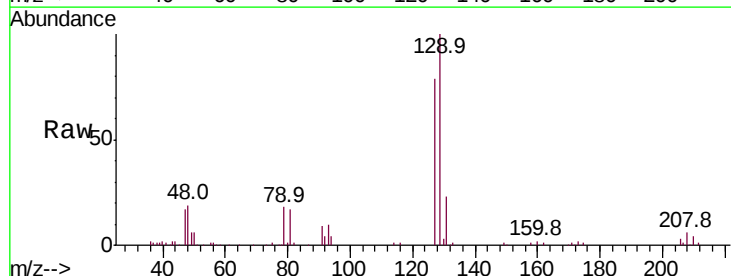
Manual Integrations
APPROVED

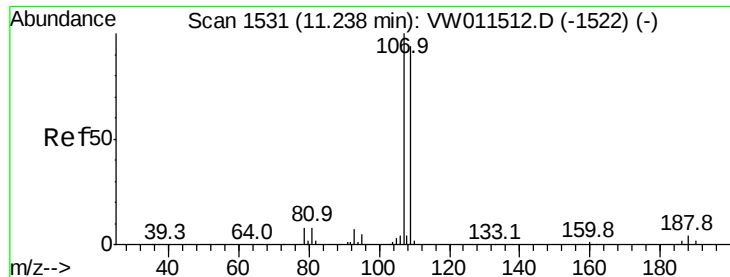
MMDadoda
7/29/2019 9:17:38 AM



#60
Dibromochloromethane
Concen: 19.806 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion: 129 Resp: 44664
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





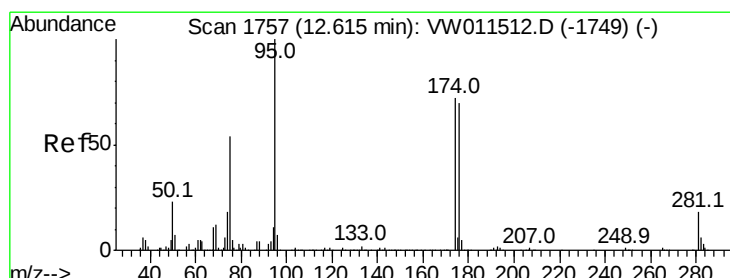
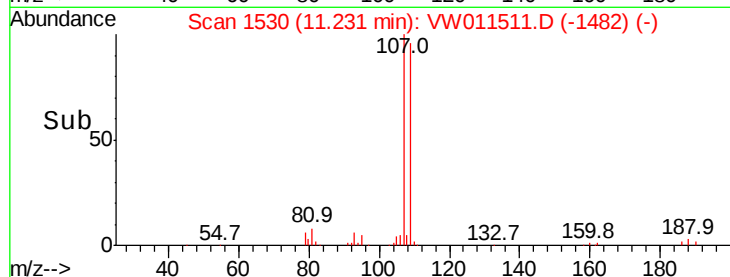
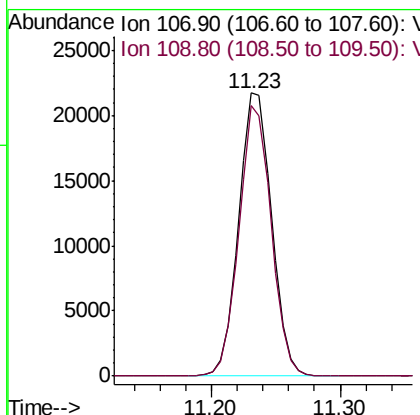
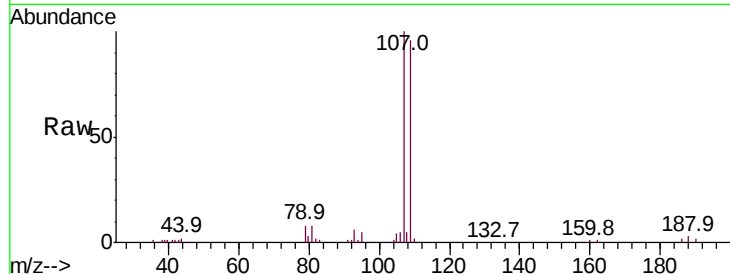
#61
 1,2-Dibromoethane
 Concen: 19.949 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.0	112.6

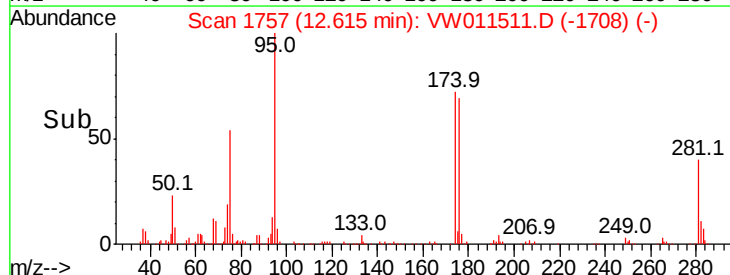
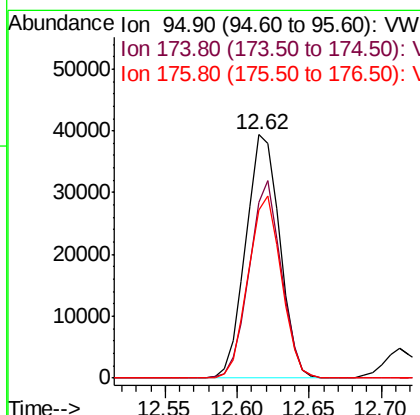
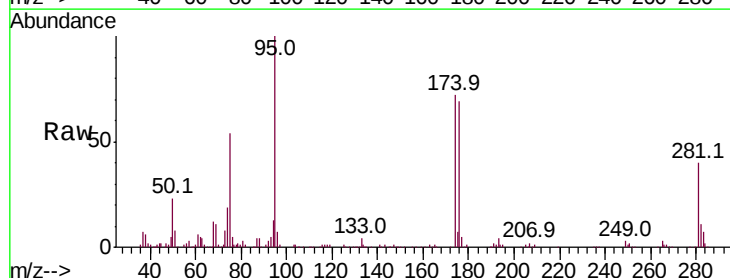
Manual Integrations
 APPROVED

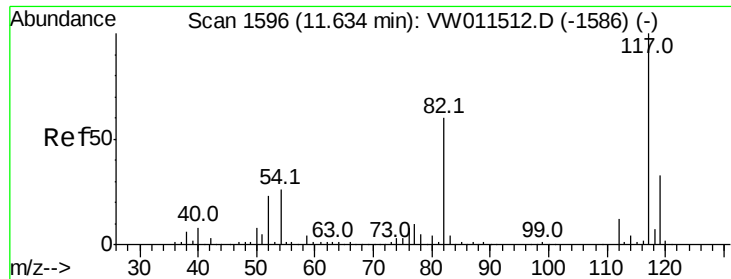
MMDadoda
 7/29/2019 9:17:38 AM



#62
 4-Bromofluorobenzene
 Concen: 19.559 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	150.2
176	72.8	0.0	144.4





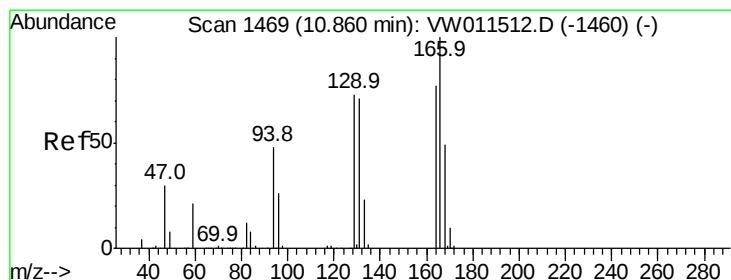
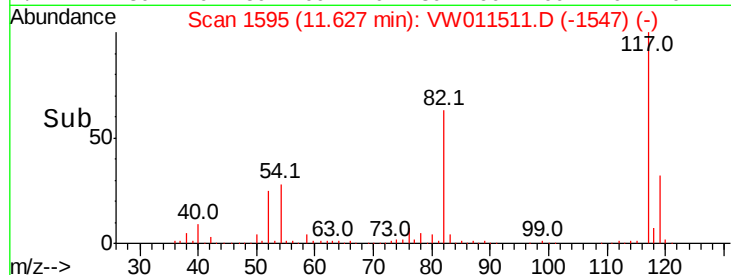
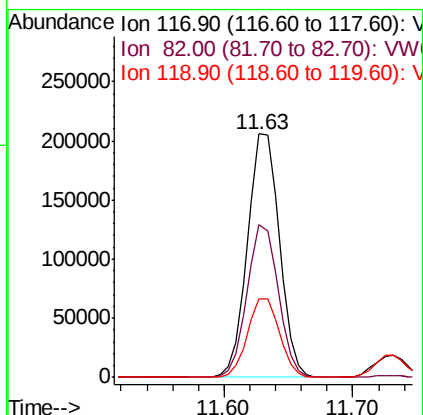
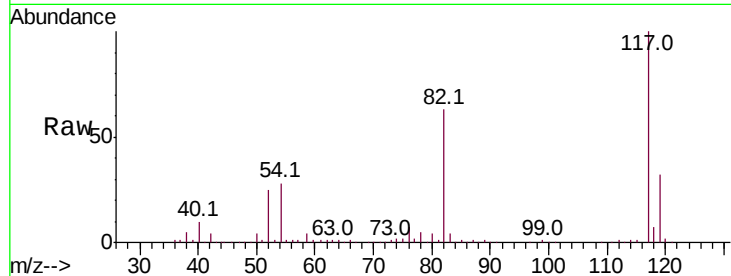
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	352178		
82	62.6	47.9	71.9	
119	32.0	26.2	39.2	

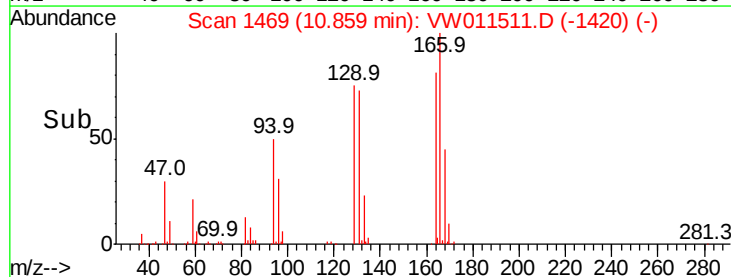
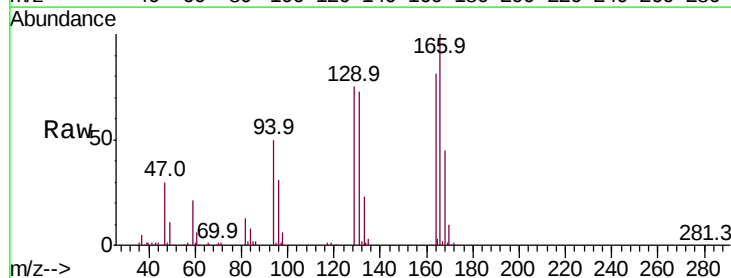
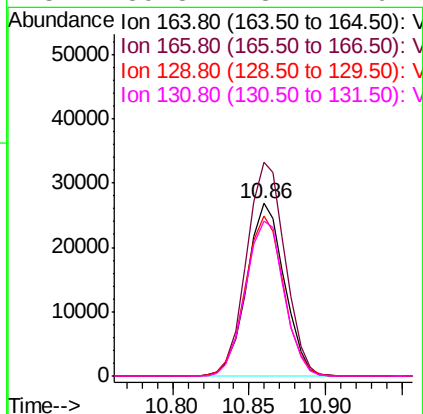
Manual Integrations
APPROVED

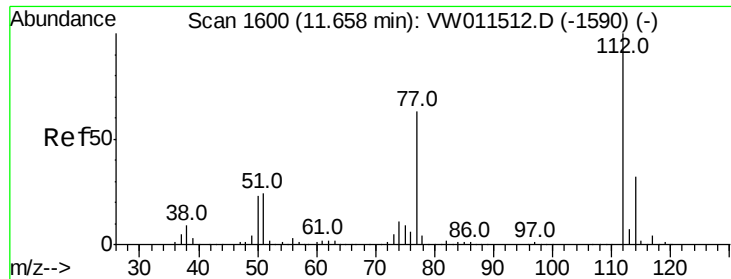
MMDadoda
7/29/2019 9:17:38 AM



#64
Tetrachloroethene
Concen: 20.027 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45924		
166	123.8	103.5	155.3	
129	92.7	75.2	112.8	
131	89.8	73.4	110.2	





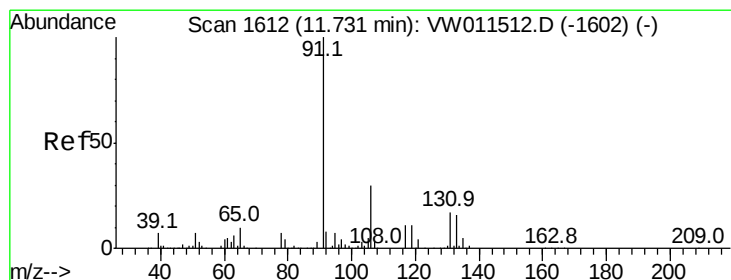
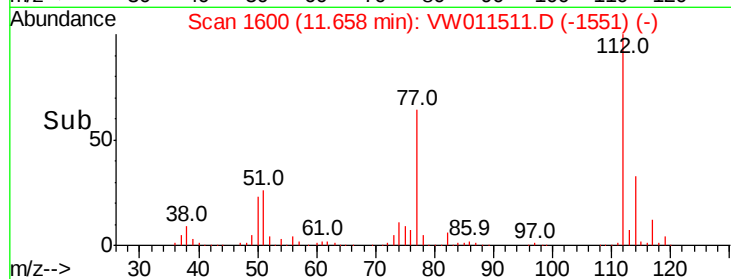
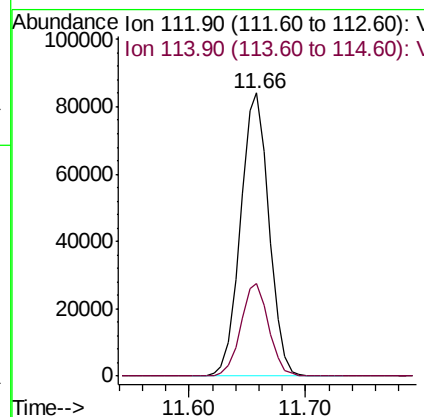
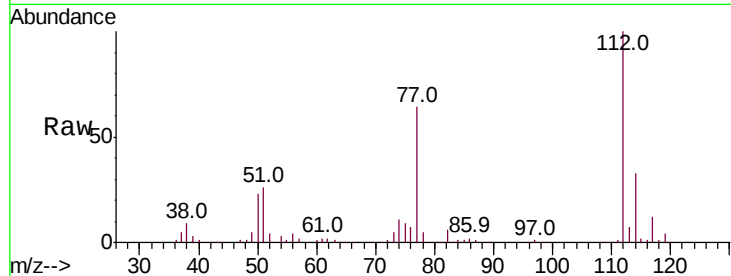
#65
Chlorobenzene
Concen: 20.188 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 142942
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4

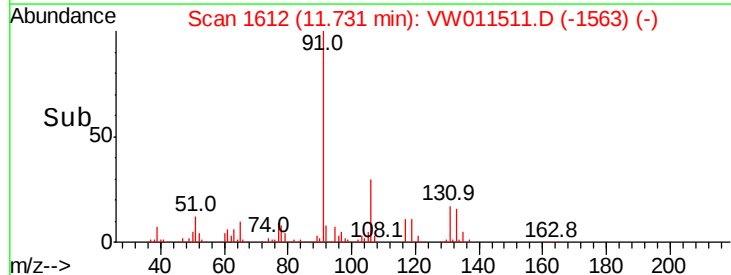
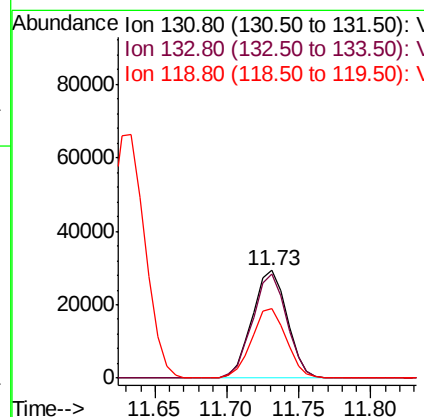
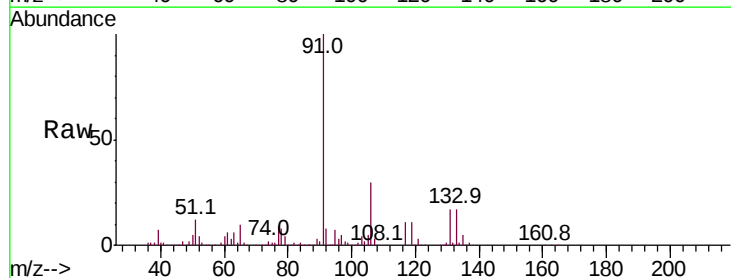
Manual Integrations
APPROVED

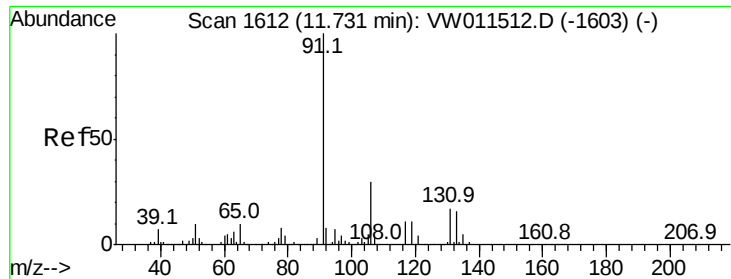
MMDadoda
7/29/2019 9:17:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.023 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion:131 Resp: 49383
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.2
119 64.7 32.3 96.9





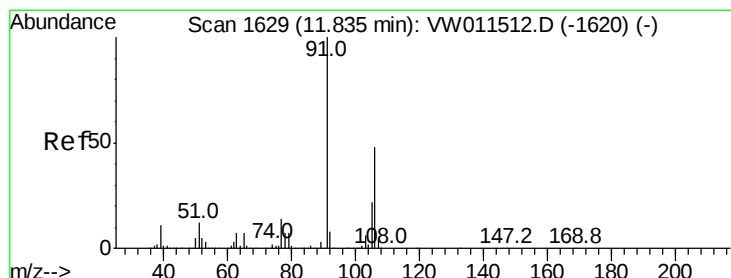
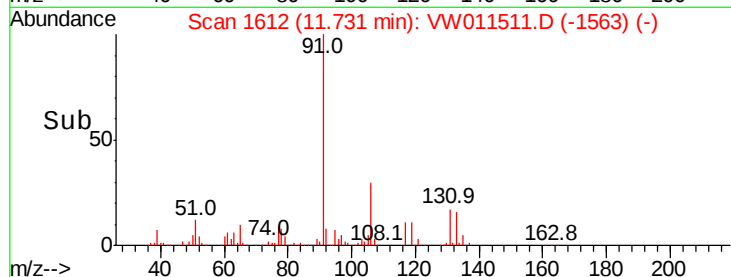
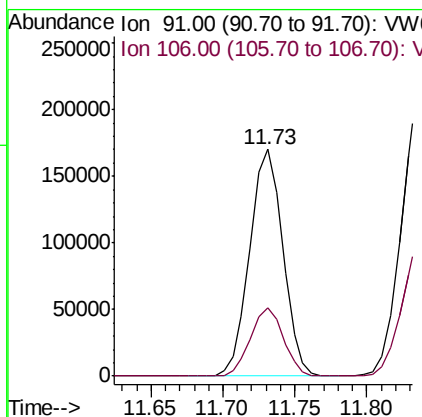
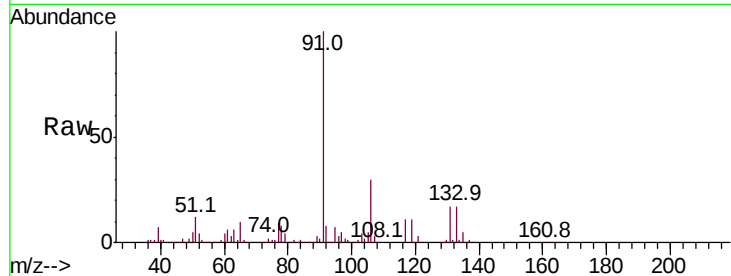
#67
Ethyl Benzene
Concen: 20.175 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.6

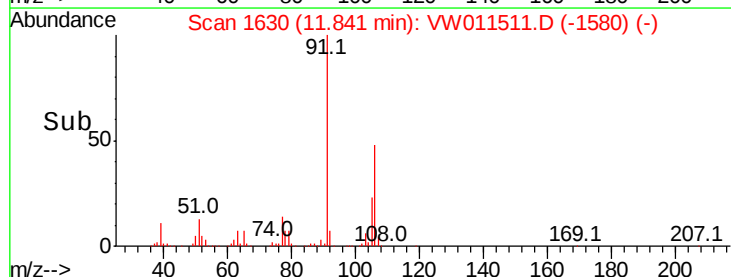
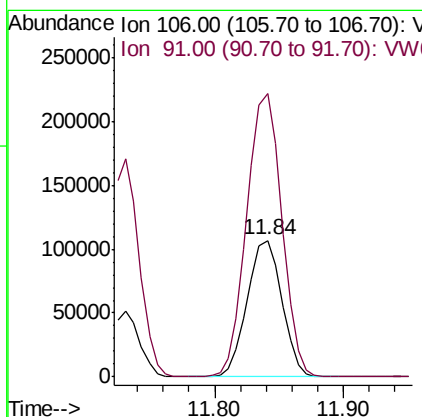
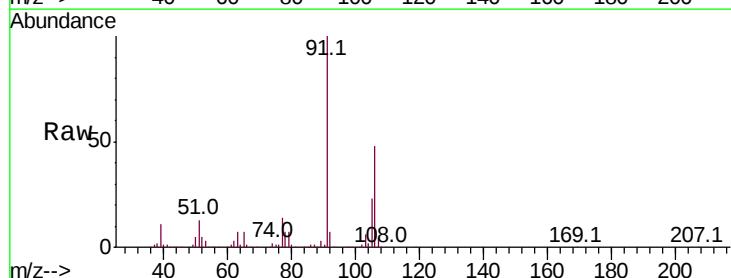
Manual Integrations
APPROVED

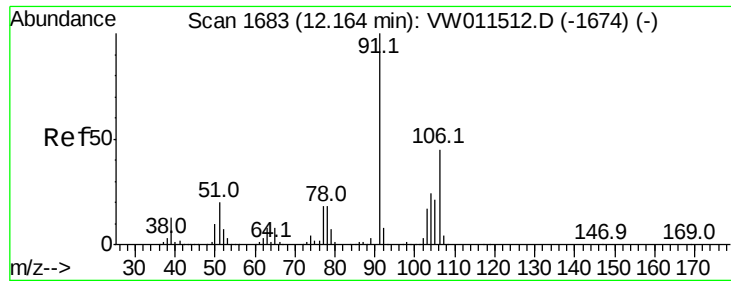
MMDadoda
7/29/2019 9:17:38 AM



#68
m/p-Xylenes
Concen: 40.693 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.6	168.2	252.2





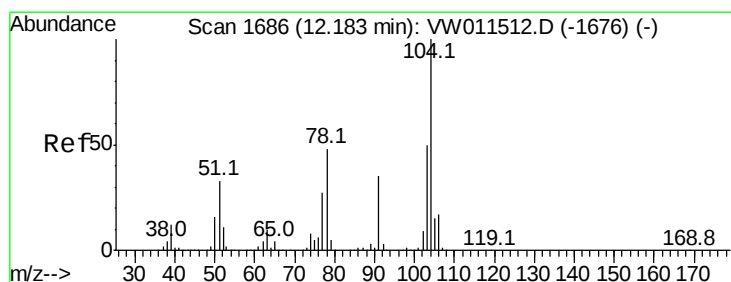
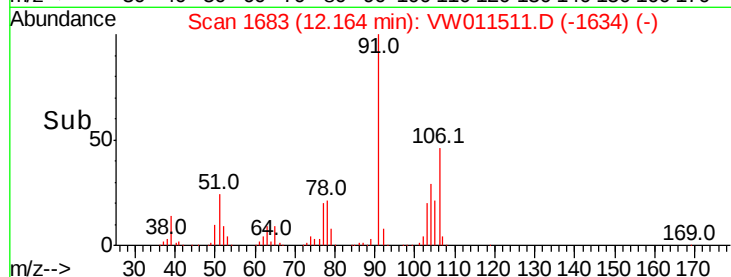
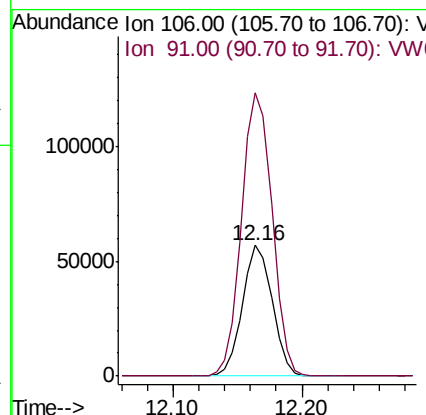
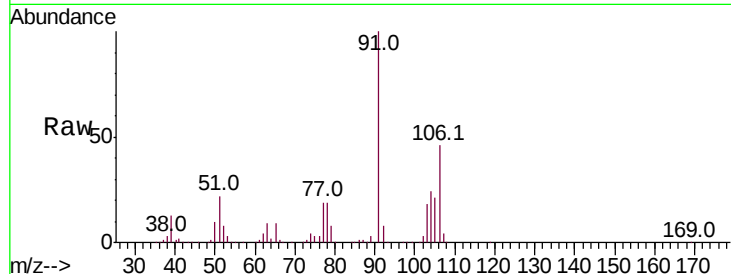
#69
o-Xylene
Concen: 20.042 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.9	110.5	331.5

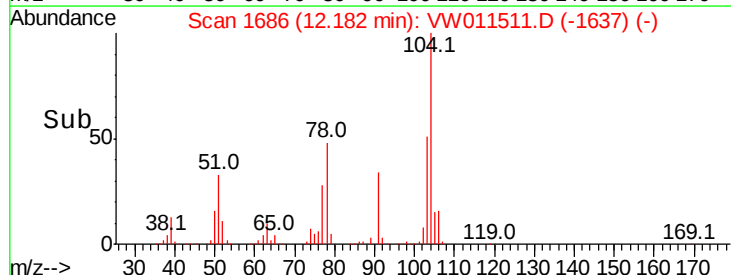
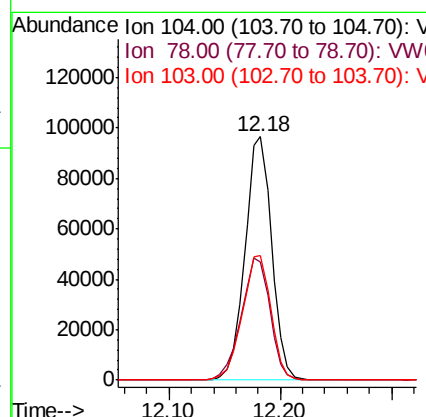
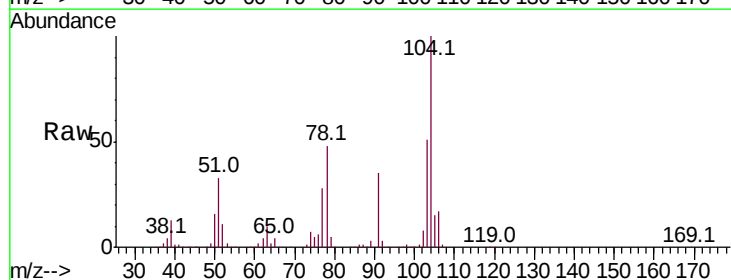
Manual Integrations
APPROVED

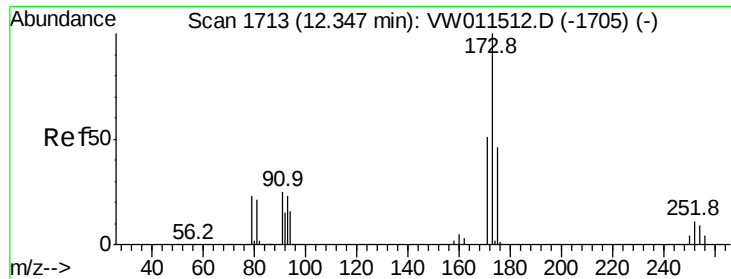
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#70
Styrene
Concen: 20.359 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.4	65.0
103	54.8	43.9	65.9





#71

Bromoform

Concen: 19.270 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 24232

Ion Ratio Lower Upper

173 100

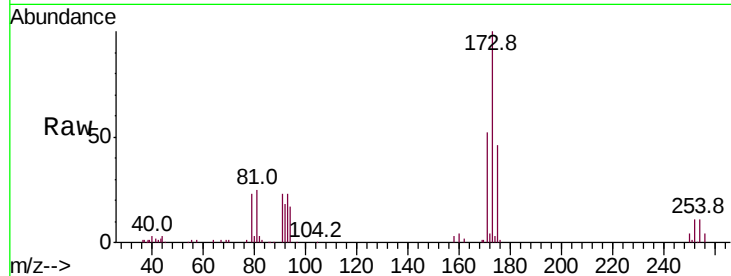
175 48.9 23.6 71.0

254 0.0 0.1 0.1#

Manual Integrations
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MMDadoda

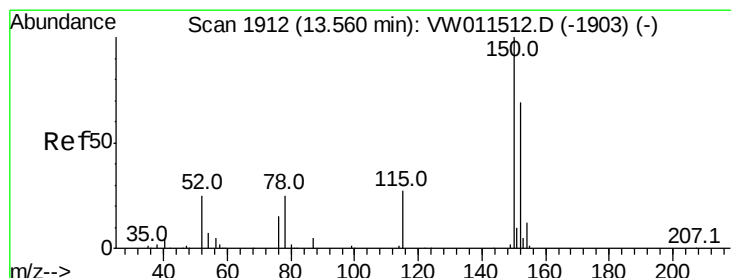
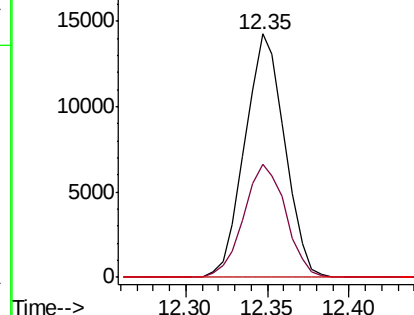
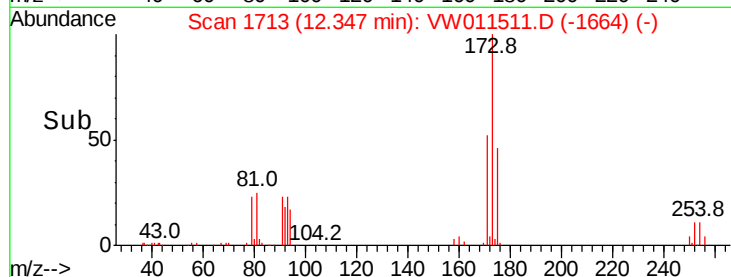
7/29/2019 9:17:38 AM



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: VW011511.D

Acq: 26 Jul 2019 12:24

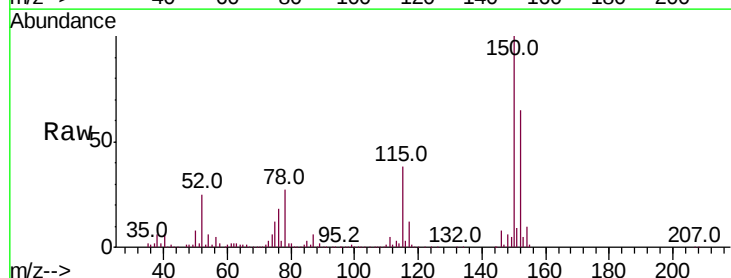
Tgt Ion:152 Resp: 174117

Ion Ratio Lower Upper

152 100

115 59.6 30.5 91.5

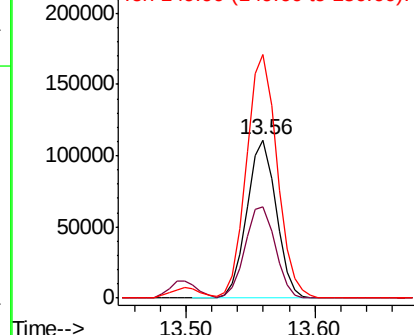
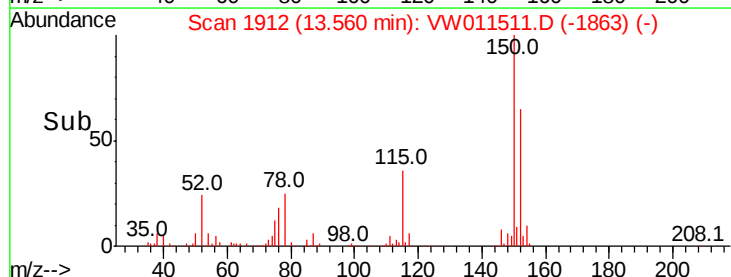
150 161.3 0.0 352.6

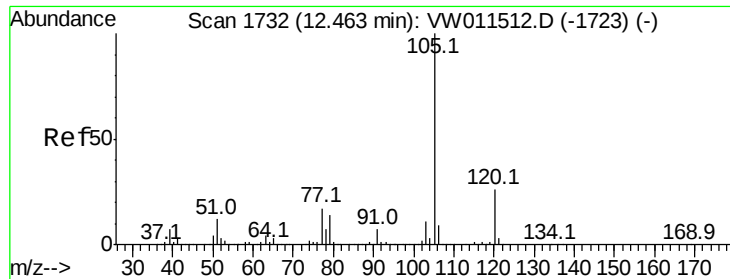


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.702 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 255914

Ion Ratio Lower Upper

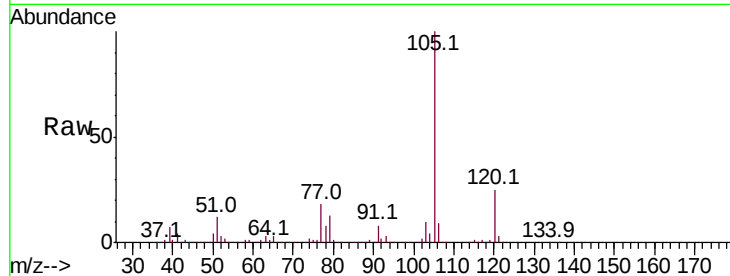
105 100

120 25.4 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

12.46

150000

100000

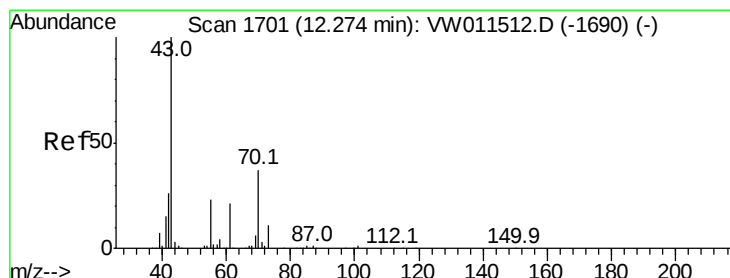
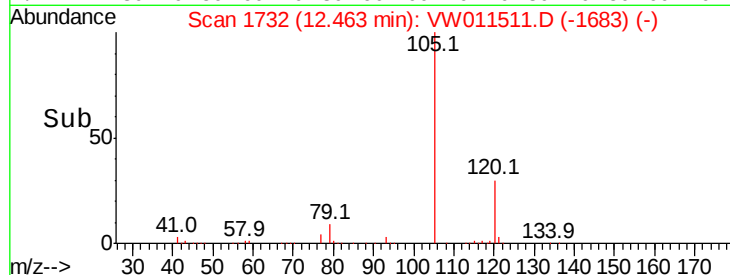
50000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 19.190 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion: 43 Resp: 78042

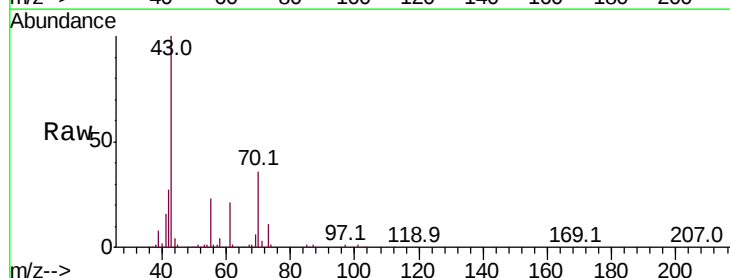
Ion Ratio Lower Upper

43 100

70 36.6 28.6 43.0

55 22.9 17.8 26.8

61 21.5 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

80000

60000

40000

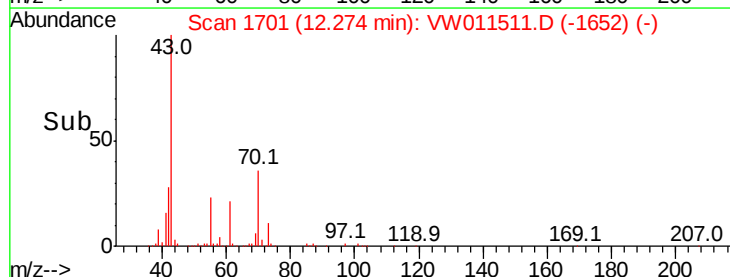
20000

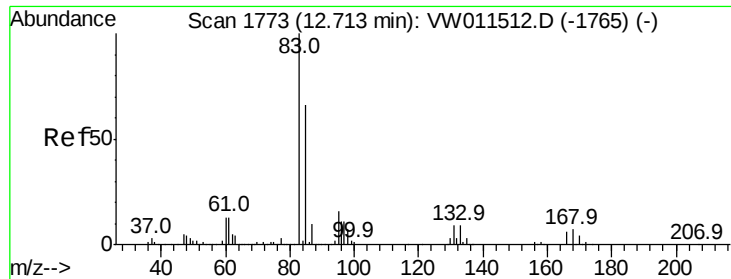
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Time-->

12.20

12.30





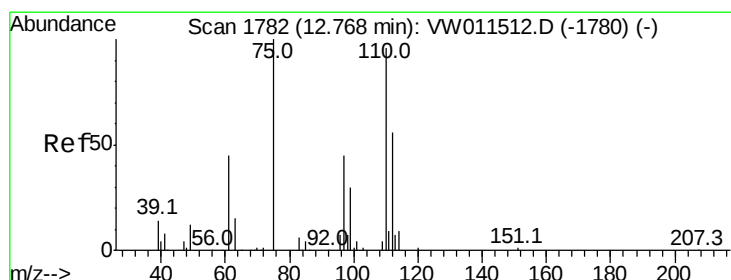
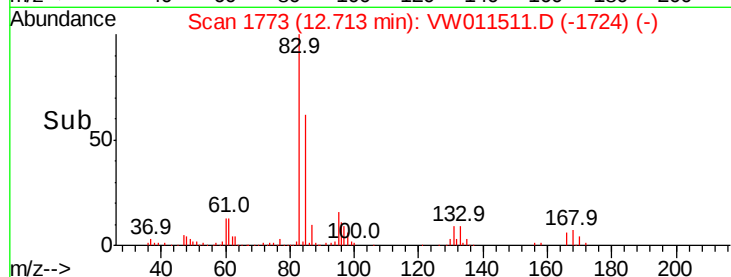
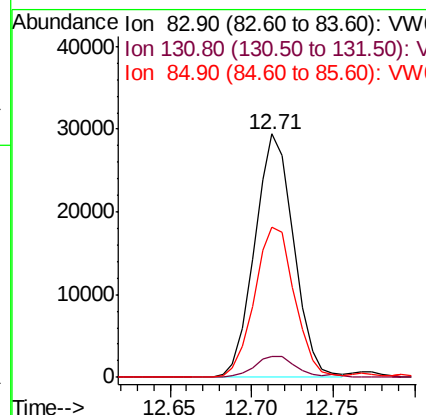
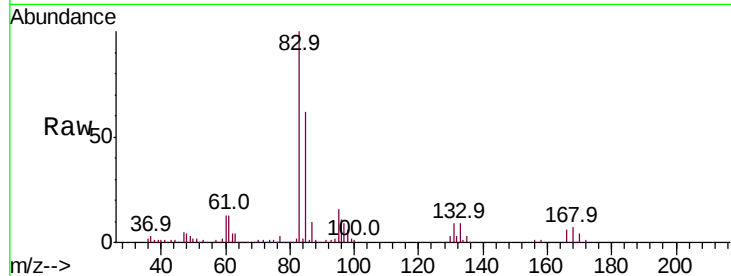
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.018 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	63.5	31.8	95.4

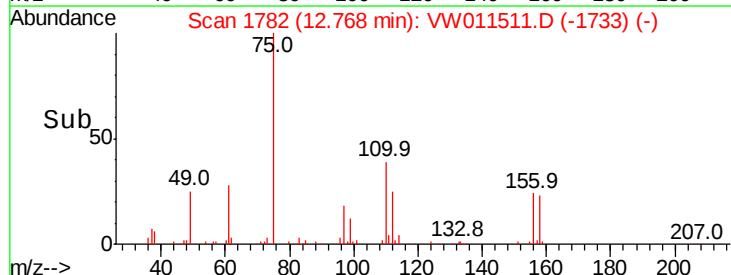
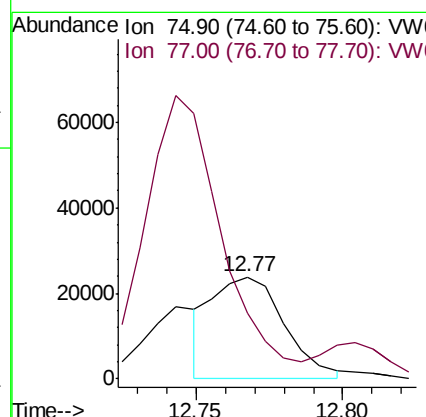
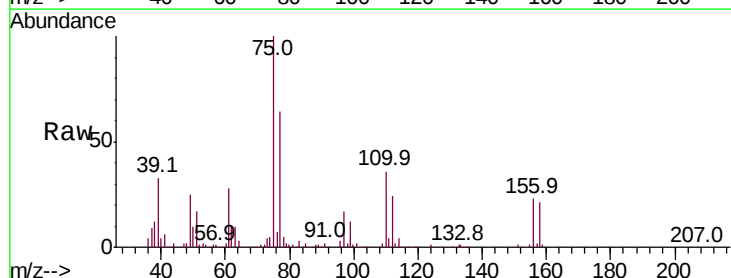
Manual Integrations
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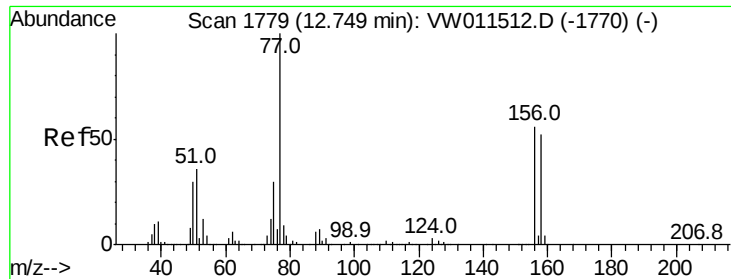
MMDadoda
 7/29/2019 9:17:38 AM



#76
 1,2,3-Trichloropropane
 Concen: 21.952 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





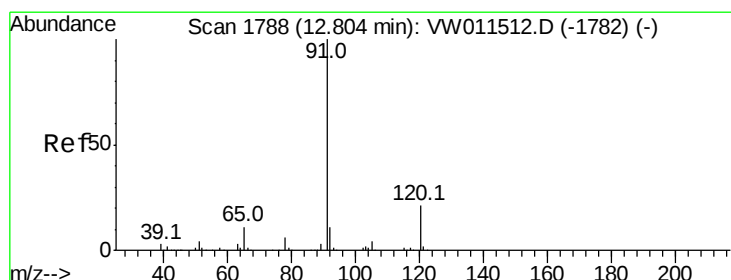
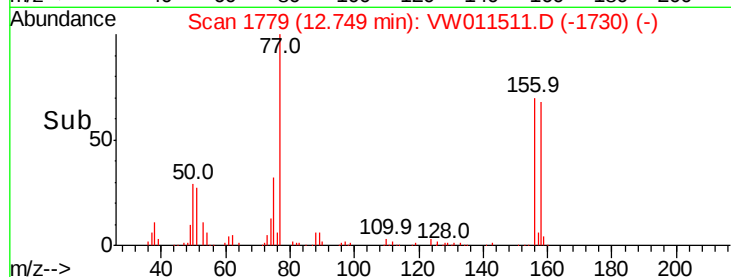
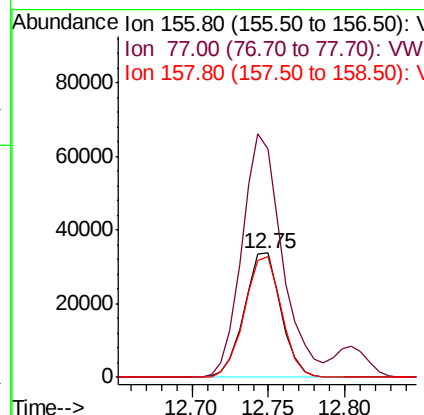
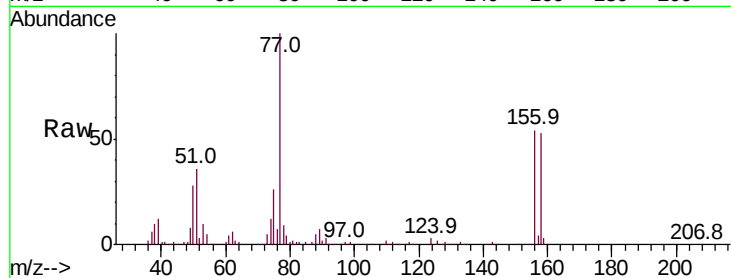
#77
Bromobenzene
Concen: 19.582 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.8	106.5	319.4
158	98.2	48.0	144.2

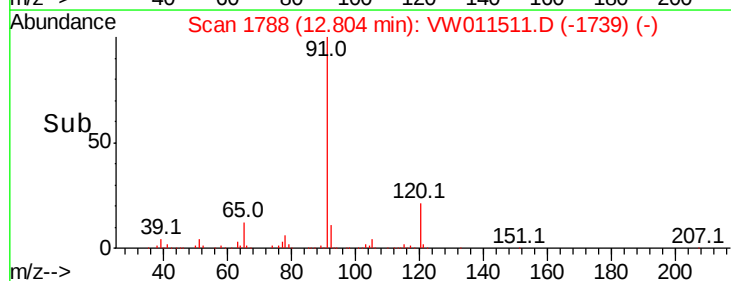
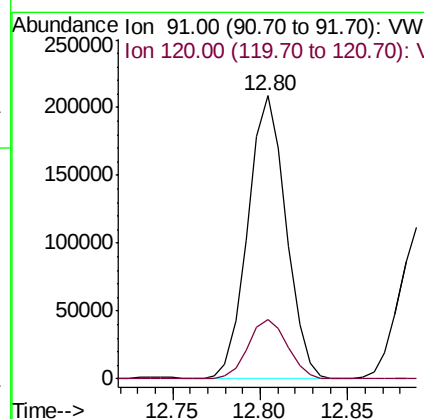
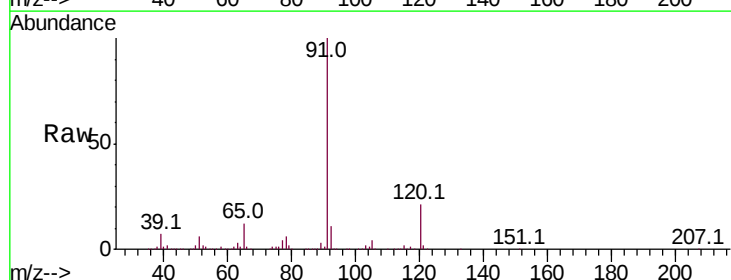
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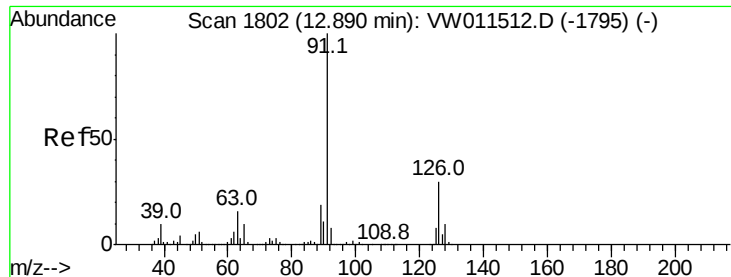
MMDadoda
7/29/2019 9:17:38 AM



#78
n-propylbenzene
Concen: 20.025 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 19.883 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 181076

Ion Ratio Lower Upper

91 100

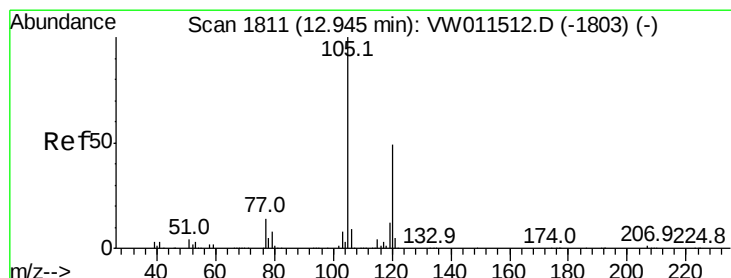
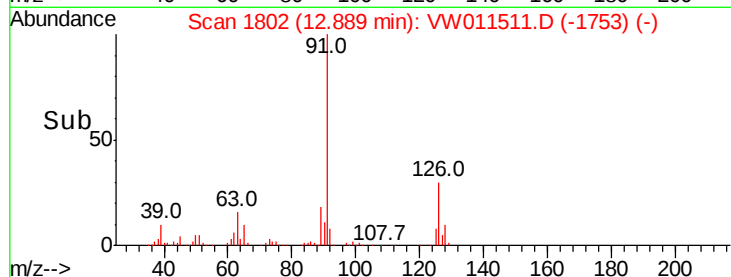
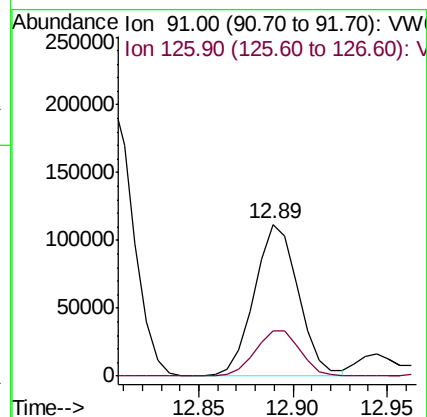
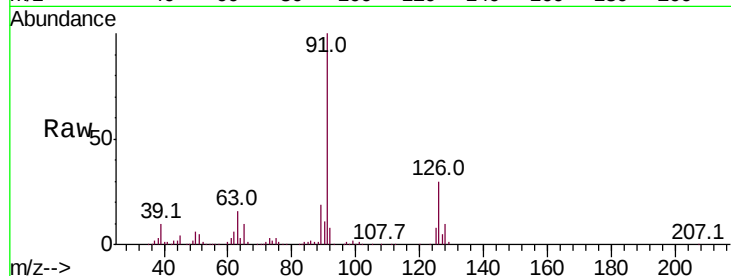
126 31.2 15.7 47.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.003 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011511.D

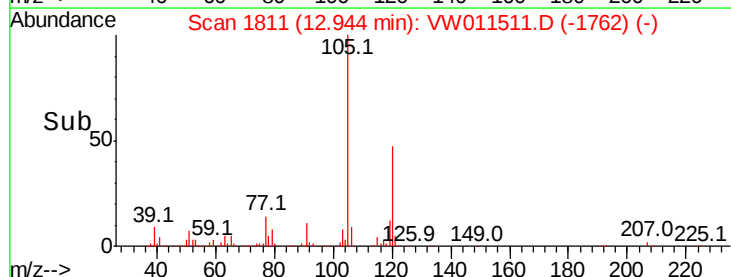
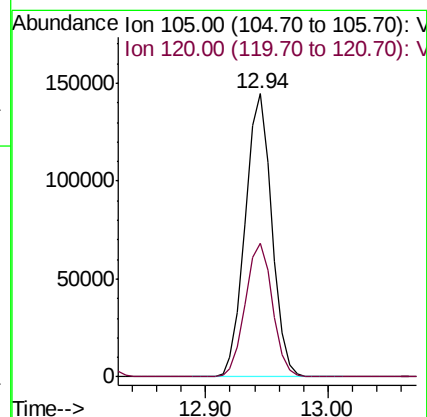
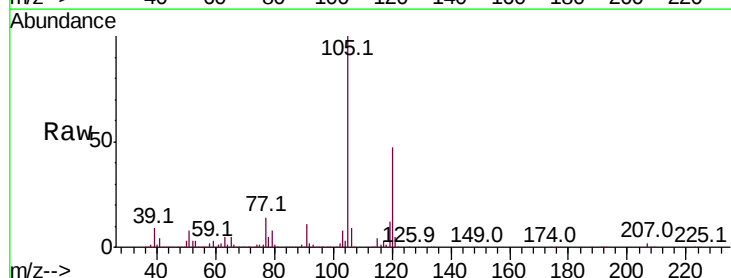
Acq: 26 Jul 2019 12:24

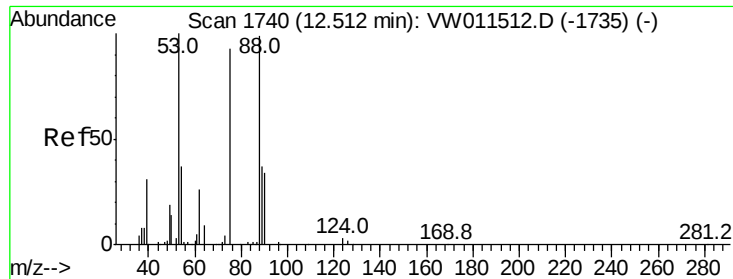
Tgt Ion:105 Resp: 217801

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3





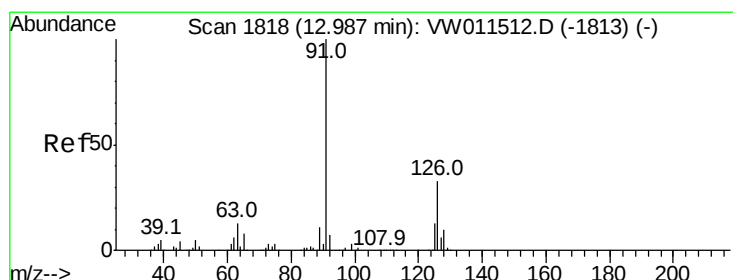
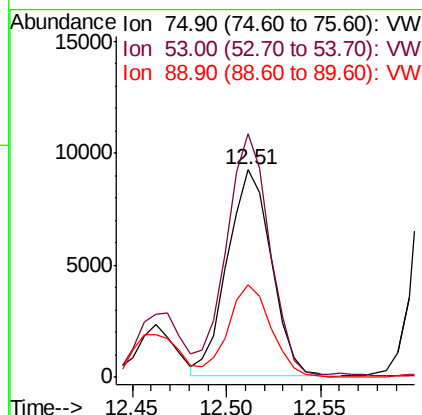
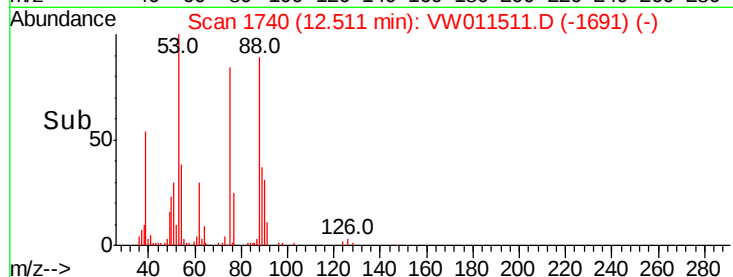
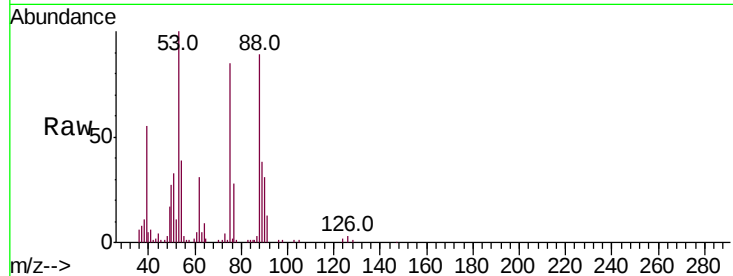
#81
trans-1,4-Dichloro-2-butene
Concen: 18.511 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.3	88.0	132.0
89	43.9	35.3	52.9

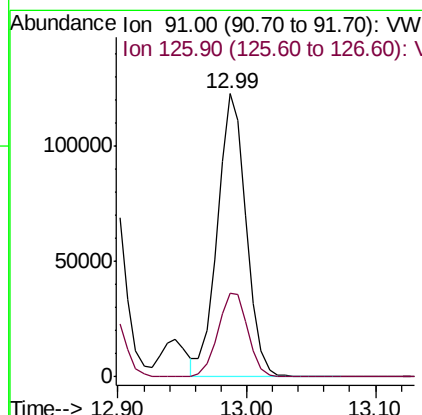
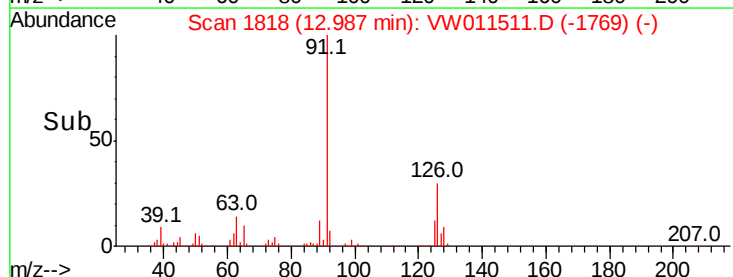
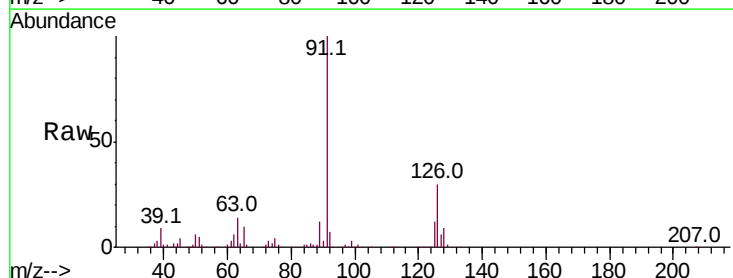
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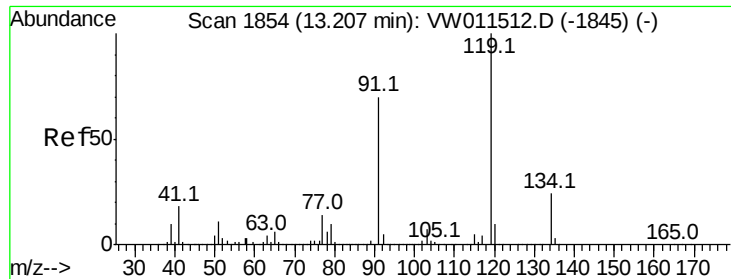
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#82
4-Chlorotoluene
Concen: 20.068 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





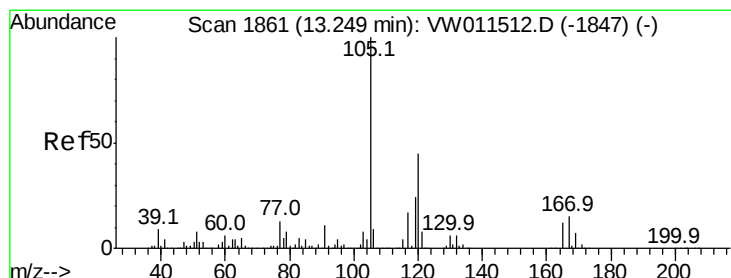
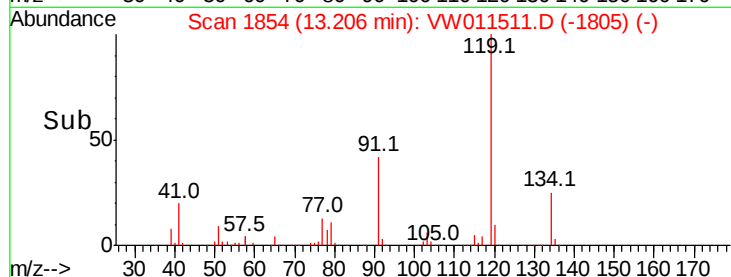
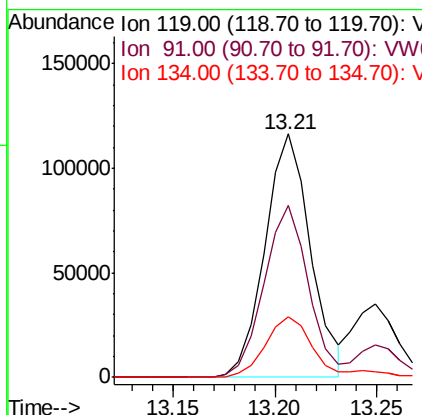
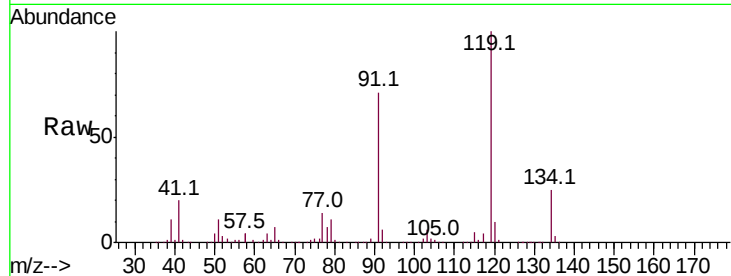
#83
tert-Butylbenzene
Concen: 19.909 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	181282		
91	68.7	34.5	103.6	
134	25.3	12.4	37.4	

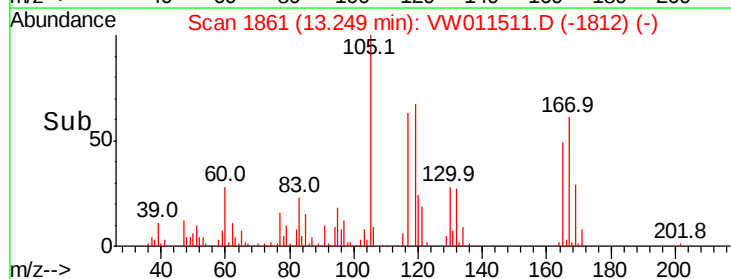
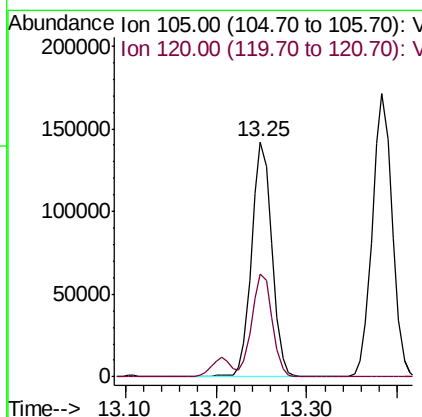
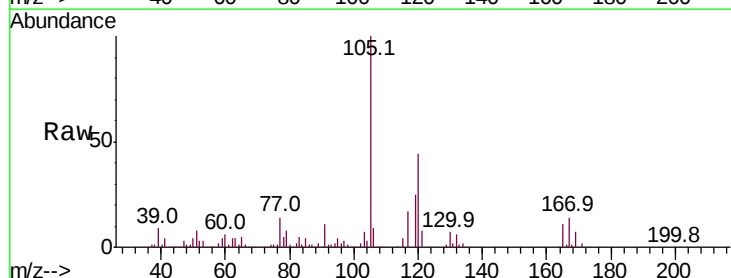
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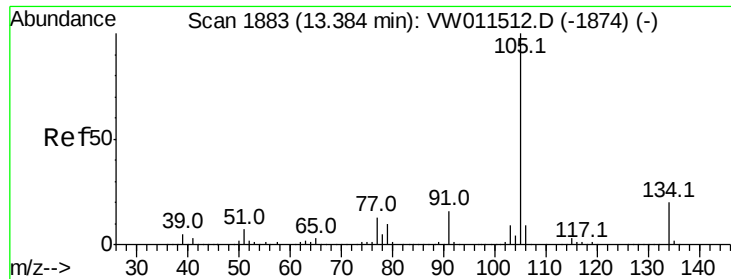
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.122 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	220711		
120	43.7	22.1	66.5	





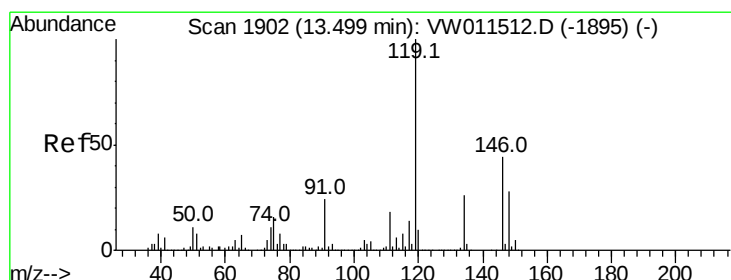
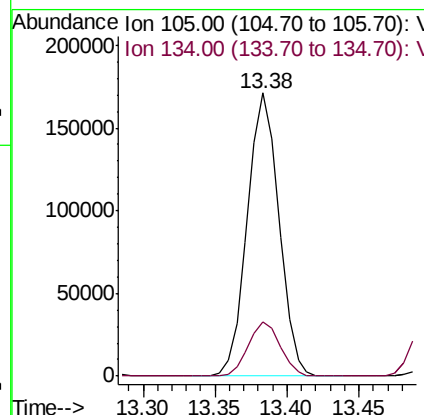
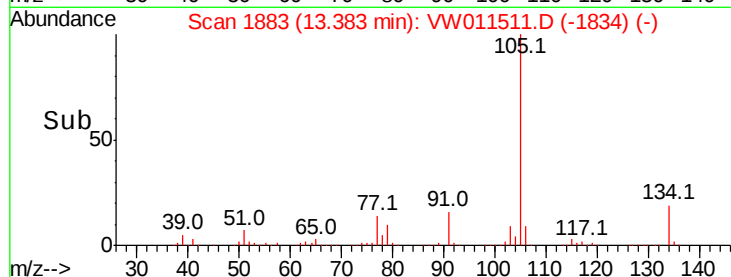
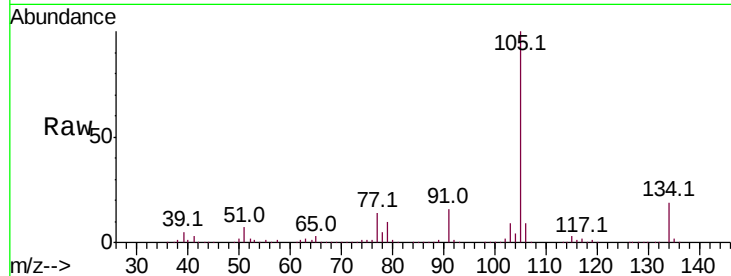
#85
 sec-Butylbenzene
 Concen: 19.995 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	259780		
134	19.2	9.7	29.1	

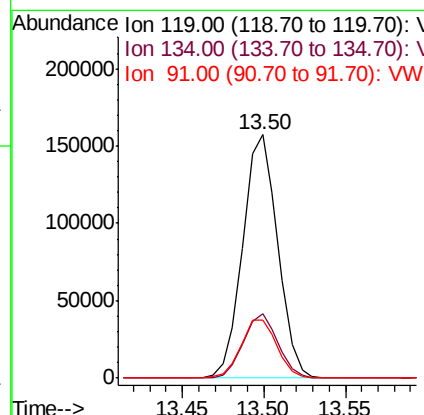
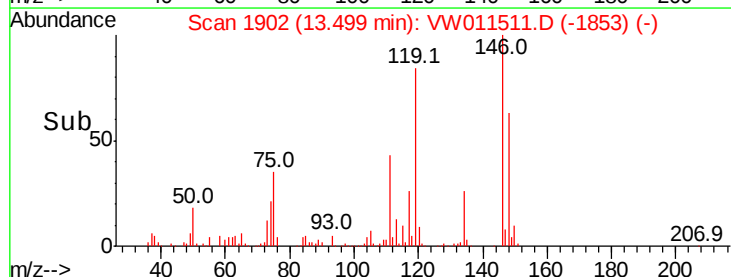
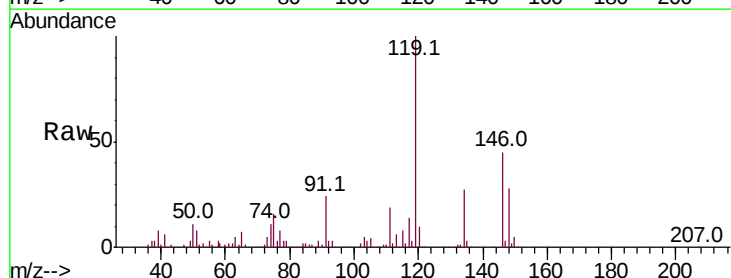
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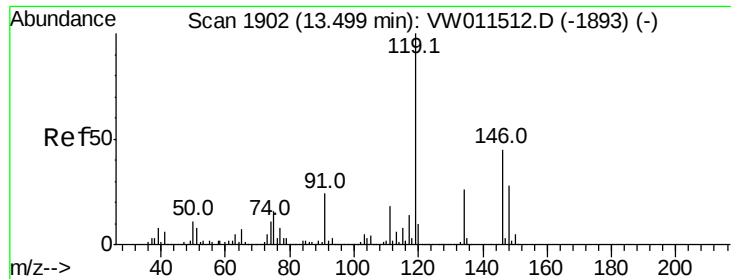
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 7/29/2019 9:17:38 AM



#86
 p-Isopropyltoluene
 Concen: 19.932 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	234958		
134	26.3	12.8	38.4	
91	24.7	12.1	36.3	





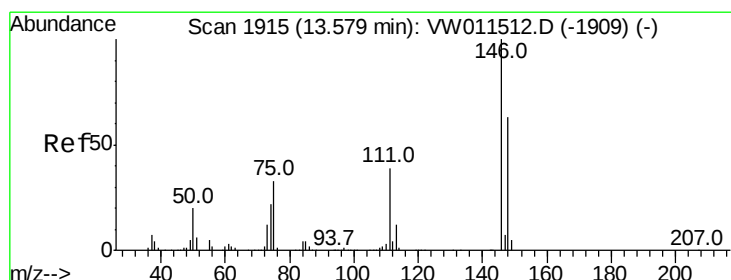
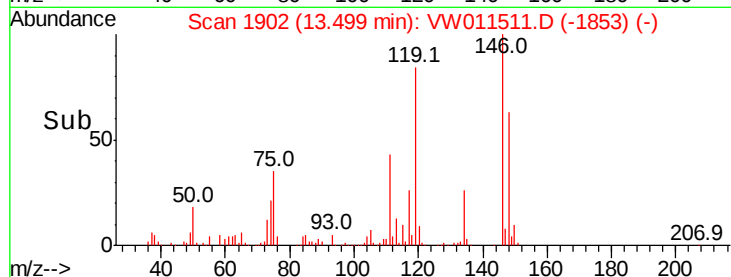
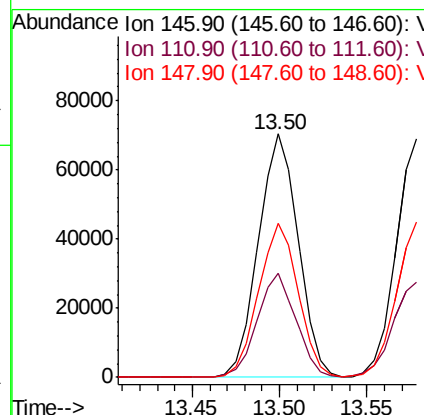
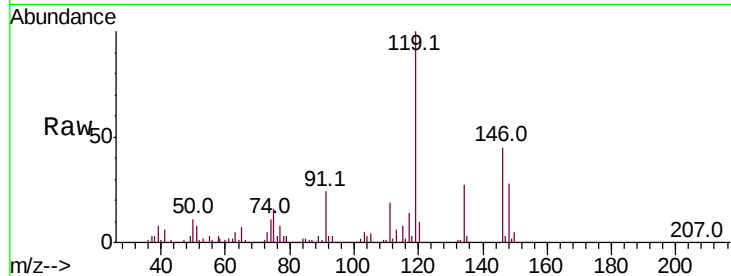
#87
 1,3-Dichlorobenzene
 Concen: 19.817 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	111562		
111	41.5	20.5	61.6	
148	62.8	31.8	95.3	

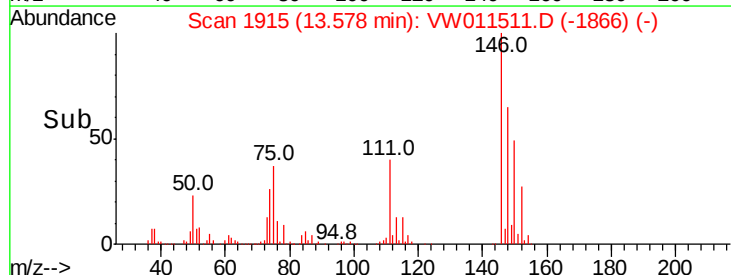
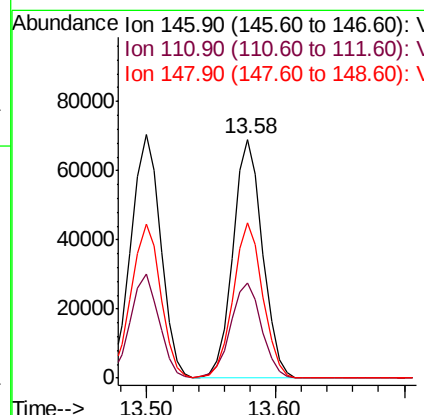
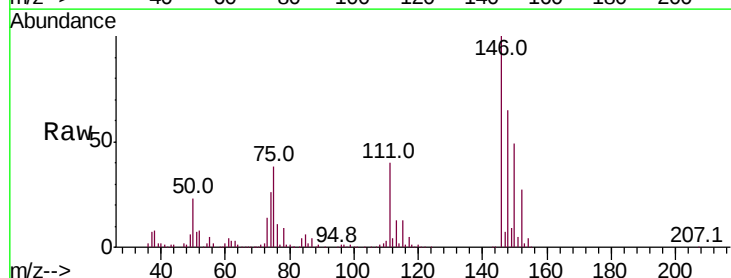
Manual Integrations
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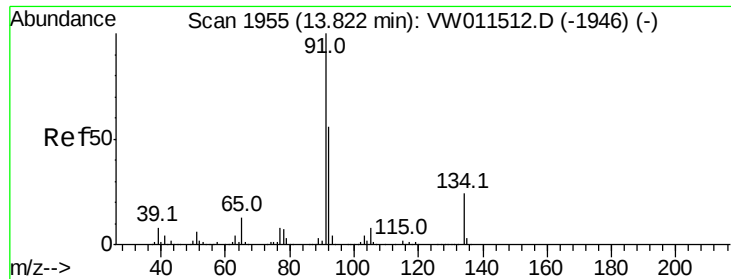
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#88
 1,4-Dichlorobenzene
 Concen: 19.814 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	110960		
111	41.8	20.1	60.2	
148	65.0	31.9	95.9	





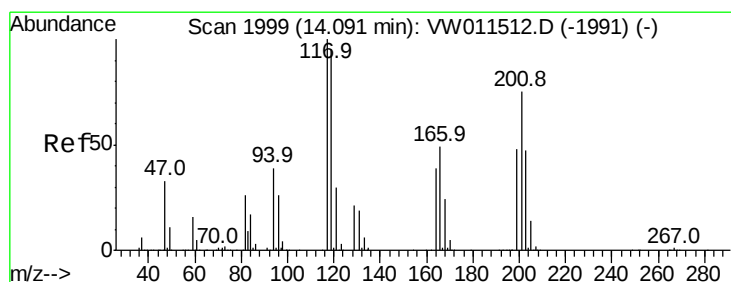
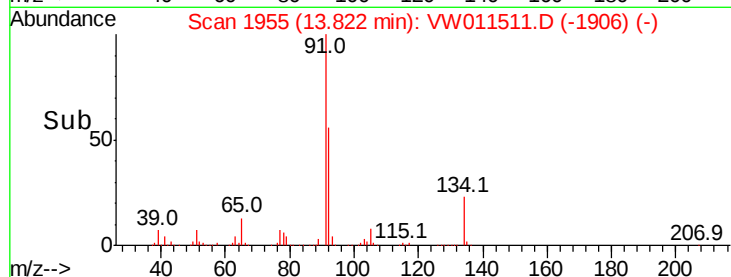
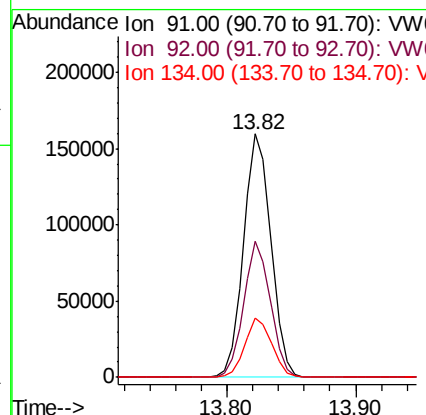
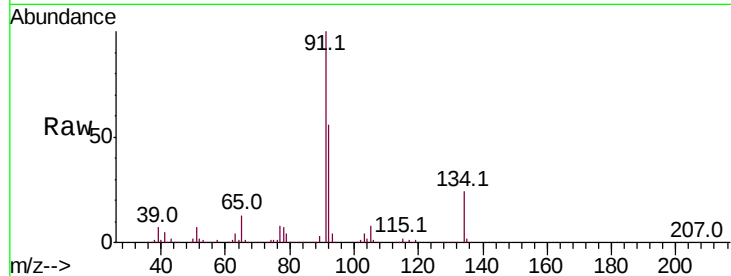
#89
n-Butylbenzene
Concen: 19.855 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	24.0	12.2	36.6

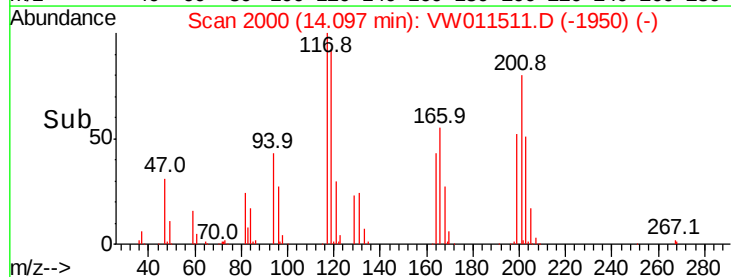
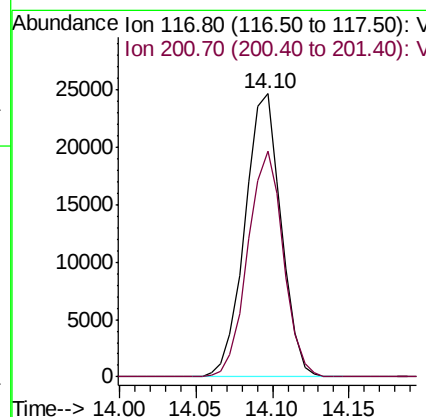
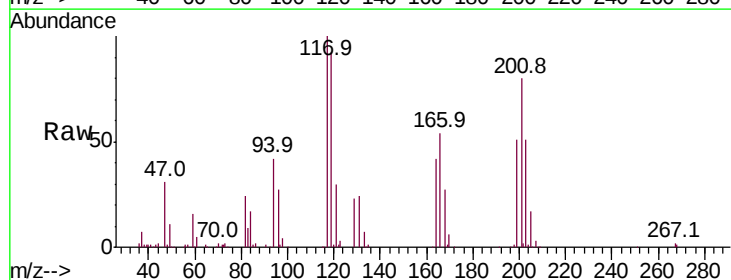
Manual Integrations
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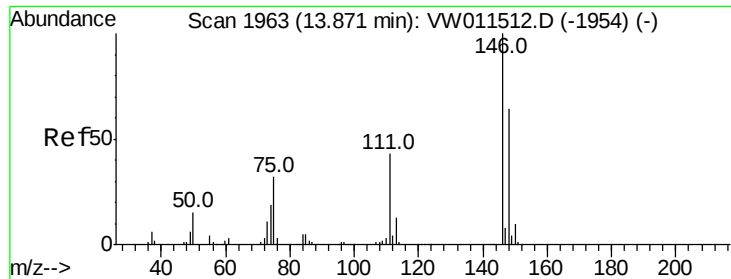
MMDadoda
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#90
Hexachloroethane
Concen: 19.431 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	39.4	118.2





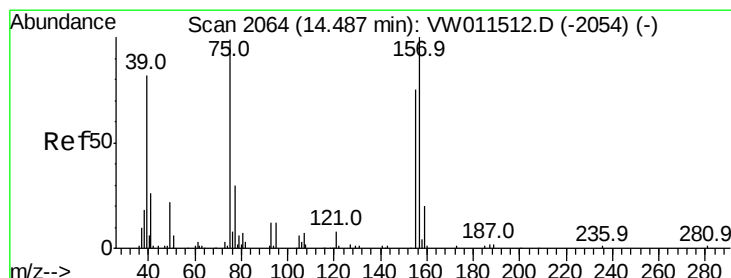
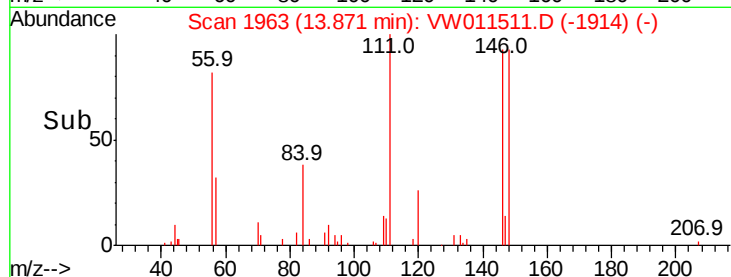
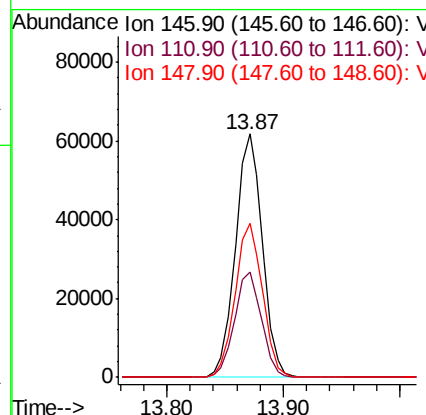
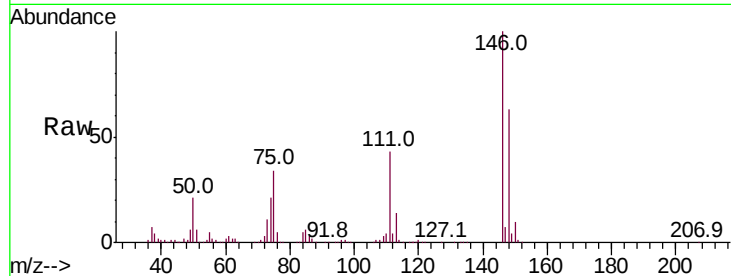
#91
 1,2-Dichlorobenzene
 Concen: 19.985 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	64.0	32.0	96.2

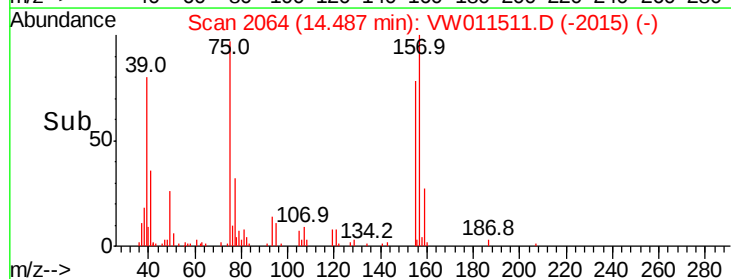
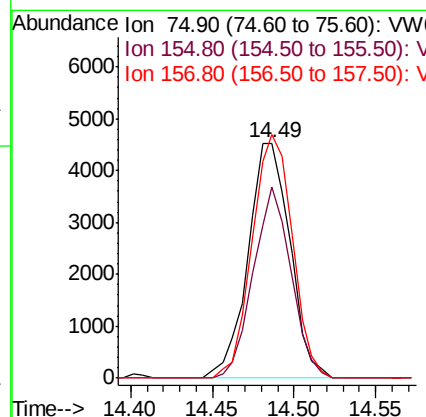
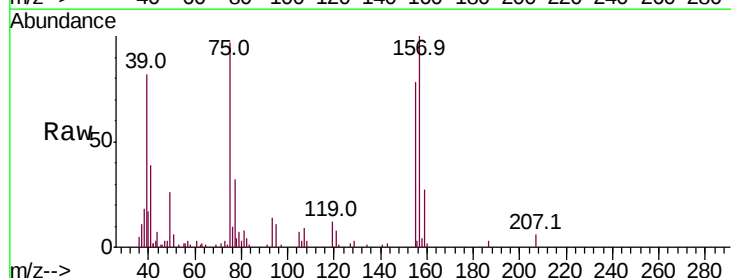
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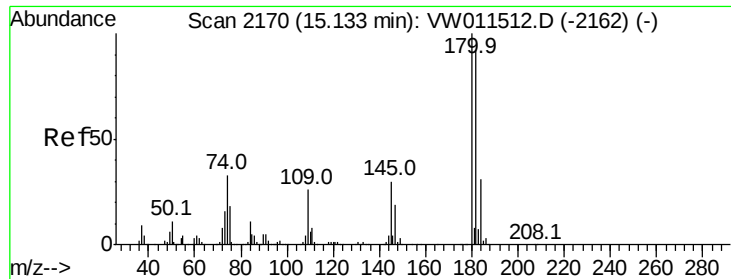
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.498 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	38.2	114.6
157	99.0	48.9	146.7





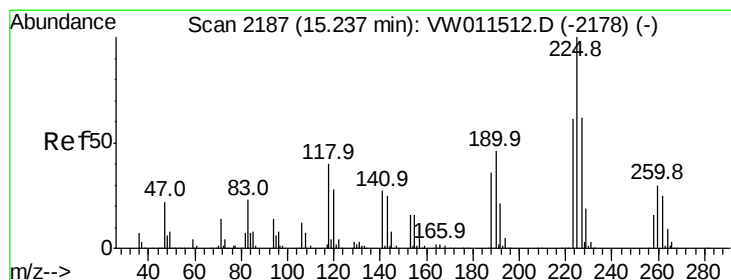
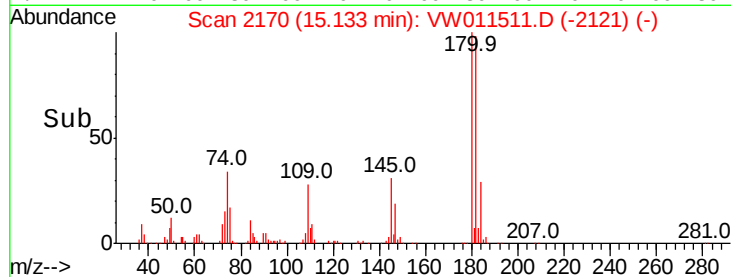
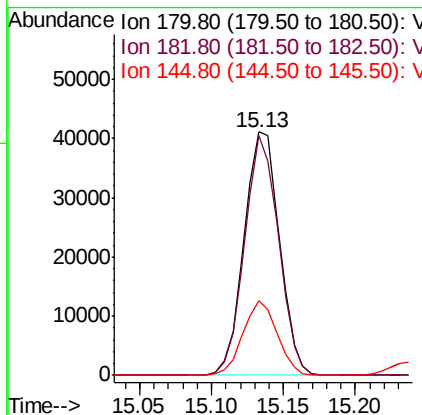
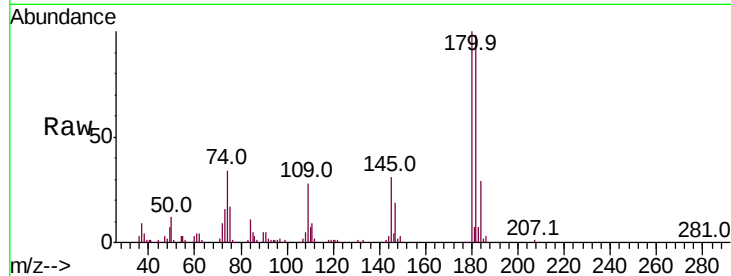
#93
 1,2,4-Trichlorobenzene
 Concen: 19.881 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	47.4	142.2	
145	29.6	15.4	46.1	

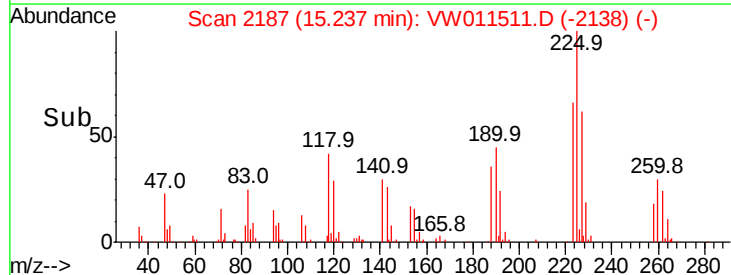
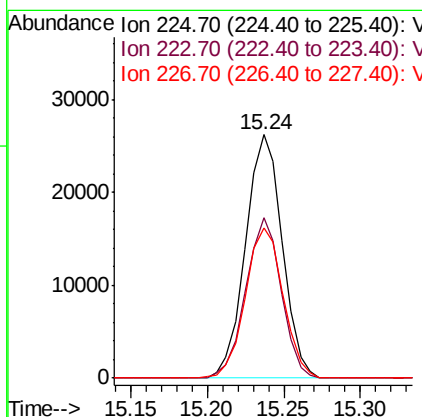
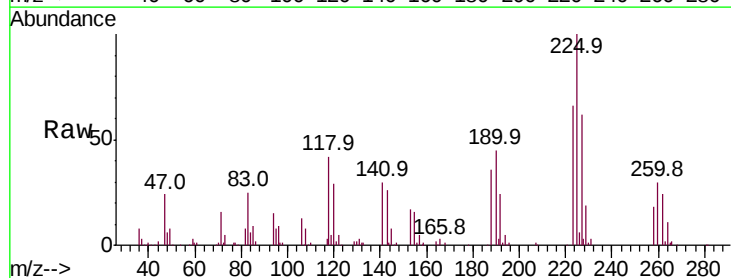
Manual Integrations
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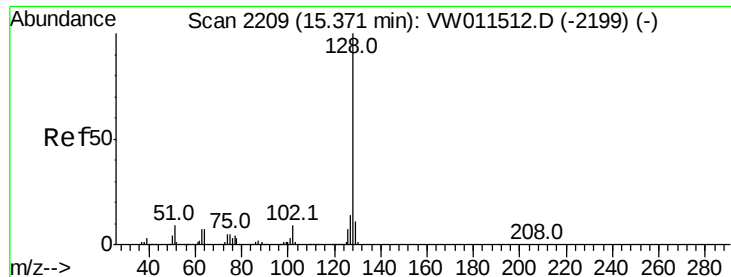
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#94
 Hexachlorobutadiene
 Concen: 20.001 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	30.8	92.3	
227	63.2	31.6	94.7	





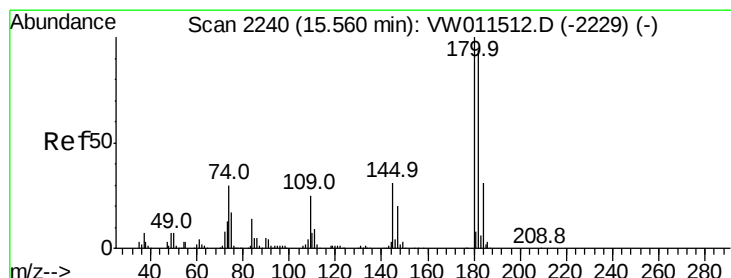
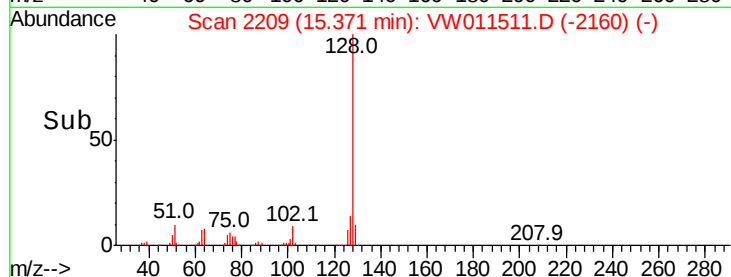
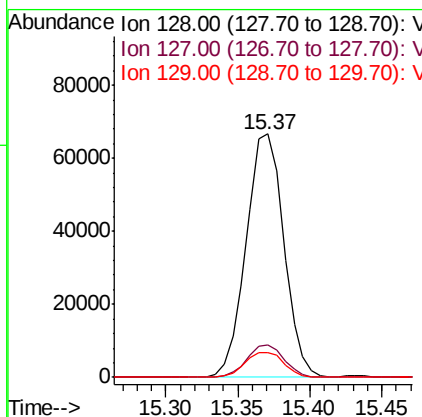
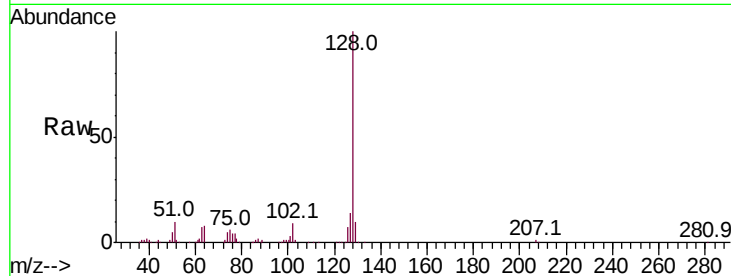
#95
Naphthalene
Concen: 19.419 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	120819
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.6	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.669 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion:	180	Resp:	60501
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.2
145	31.2	15.9	47.7

