

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013478.D
 Acq On : 08 Oct 2019 10:27
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:08:33 PM

Quant Time: Oct 09 05:25:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	206544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13794	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
35) Dibromofluoromethane	7.88	113	14183	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
50) Toluene-d8	10.32	98	59744	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	
62) 4-Bromofluorobenzene	12.62	95	20520	5.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.42%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	5146	4.482	ug/l 90
3) Chloromethane	2.20	50	10914	5.408	ug/l 96
4) Vinyl Chloride	2.35	62	14781	4.966	ug/l 96
5) Bromomethane	2.78	94	9493	5.345	ug/l 96
6) Chloroethane	2.92	64	8704	5.207	ug/l 95
7) Trichlorofluoromethane	3.24	101	7037	4.997	ug/l 88
8) Diethyl Ether	3.68	74	7193	4.934	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14373	4.952	ug/l 99
10) Methyl Iodide	4.28	142	22773	4.955	ug/l 99
11) Tert butyl alcohol	5.18	59	5499	27.016	ug/l # 92
12) 1,1-Dichloroethene	4.03	96	15071	5.010	ug/l 99
13) Acrolein	3.90	56	1451	6.647	ug/l 86
14) Allyl chloride	4.67	41	22672	4.904	ug/l 99
15) Acrylonitrile	5.37	53	15756	23.126	ug/l 93
16) Acetone	4.13	43	16006	25.686	ug/l 92
17) Carbon Disulfide	4.37	76	41805	4.951	ug/l 98
18) Methyl Acetate	4.68	43	10409	5.831	ug/l # 84
19) Methyl tert-butyl Ether	5.42	73	22863	5.026	ug/l 91
20) Methylene Chloride	4.92	84	22104	6.444	ug/l 90
21) trans-1,2-Dichloroethene	5.42	96	15856	4.961	ug/l 93
22) Diisopropyl ether	6.31	45	43102	4.976	ug/l 96
23) Vinyl Acetate	6.26	43	116898	22.481	ug/l 97
24) 1,1-Dichloroethane	6.21	63	26976	5.096	ug/l 97
25) 2-Butanone	7.17	43	23827	25.946	ug/l 100
26) 2,2-Dichloropropane	7.16	77	20281	5.943	ug/l 89
27) cis-1,2-Dichloroethene	7.17	96	16651	4.923	ug/l 90
28) Bromochloromethane	7.51	49	9980	5.286	ug/l # 99
29) Tetrahydrofuran	7.53	42	12744	22.706	ug/l 97
30) Chloroform	7.68	83	26214	5.119	ug/l 95
31) Cyclohexane	7.95	56	31926	5.698	ug/l # 75
32) 1,1,1-Trichloroethane	7.87	97	20322	4.882	ug/l 97
36) 1,1-Dichloropropene	8.08	75	22648	5.013	ug/l 98
37) Ethyl Acetate	7.25	43	10706	5.223	ug/l 96
38) Carbon Tetrachloride	8.07	117	19050	4.756	ug/l 93

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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 10/9/2019 4:08:33 PM

Quant Time: Oct 09 05:25:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	27699	4.732	ug/l	97
40) Benzene	8.32	78	63363	5.024	ug/l	97
41) Methacrylonitrile	7.49	41	5016	4.303	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	15621	4.900	ug/l	95
43) Isopropyl Acetate	8.43	43	17315	4.675	ug/l	98
44) Trichloroethene	9.09	130	17642	4.903	ug/l	91
45) 1,2-Dichloropropane	9.37	63	14597	4.822	ug/l	94
46) Dibromomethane	9.46	93	7387	4.898	ug/l	97
47) Bromodichloromethane	9.65	83	18331	4.890	ug/l #	99
48) Methyl methacrylate	9.44	41	8764	4.804	ug/l	95
49) 1,4-Dioxane	9.46	88	2526	95.394	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	48765	25.045	ug/l	100
52) Toluene	10.39	92	39528	4.866	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	17851	4.583	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	22088	4.680	ug/l #	90
55) 1,1,2-Trichloroethane	10.79	97	11106	4.906	ug/l	95
56) Ethyl methacrylate	10.65	69	13684	4.488	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18919	4.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	32862	22.848	ug/l	100
59) 2-Hexanone	10.97	43	30291	22.687	ug/l	100
60) Dibromochloromethane	11.13	129	11807	4.536	ug/l	92
61) 1,2-Dibromoethane	11.23	107	10083	4.683	ug/l	97
64) Tetrachloroethene	10.86	164	15886	5.075	ug/l	95
65) Chlorobenzene	11.66	112	41966	4.965	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	13908	4.737	ug/l	98
67) Ethyl Benzene	11.73	91	75843	4.910	ug/l	100
68) m/p-Xylenes	11.83	106	57773	9.829	ug/l	99
69) o-Xylene	12.16	106	26107	4.808	ug/l	99
70) Styrene	12.18	104	44138	4.734	ug/l	98
71) Bromoform	12.35	173	7194	4.466	ug/l #	89
73) Isopropylbenzene	12.46	105	71278	4.818	ug/l	99
74) N-amyl acetate	12.27	43	15255	4.715	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	12793	5.073	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	8000m	4.823	ug/l	
77) Bromobenzene	12.75	156	17678	5.041	ug/l	99
78) n-propylbenzene	12.80	91	84801	4.957	ug/l	100
79) 2-Chlorotoluene	12.89	91	47730	4.980	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	60417	4.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3734	4.437	ug/l	94
82) 4-Chlorotoluene	12.99	91	49407	4.966	ug/l	99
83) tert-Butylbenzene	13.21	119	53155	4.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	59979	4.933	ug/l	99
85) sec-Butylbenzene	13.38	105	73674	4.884	ug/l	100
86) p-Isopropyltoluene	13.50	119	67351	4.860	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	33262	5.002	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	32121	4.931	ug/l	93
89) n-Butylbenzene	13.82	91	59607	4.761	ug/l	99
90) Hexachloroethane	14.09	117	11739	4.950	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	29241	4.981	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	2118	5.268	ug/l	82

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Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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10/9/2019 4:08:33 PM

Quant Time: Oct 09 05:25:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 05:13:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	19042	4.589	ug/l	97
94) Hexachlorobutadiene	15.24	225	13948	5.058	ug/l	97
95) Naphthalene	15.36	128	30126	4.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	16585	4.571	ug/l	99

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

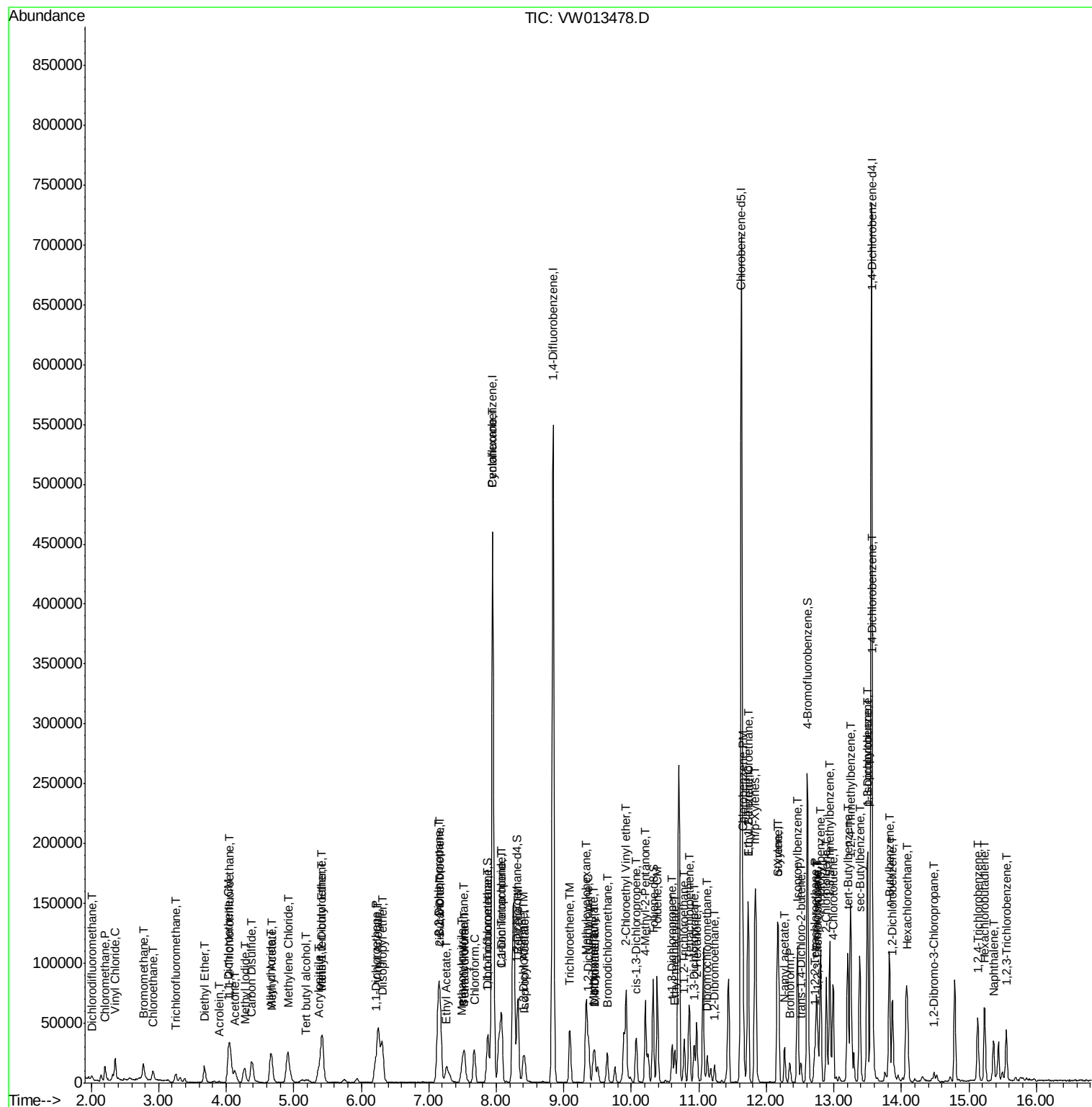
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013478.D
 Acq On : 08 Oct 2019 10:27
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

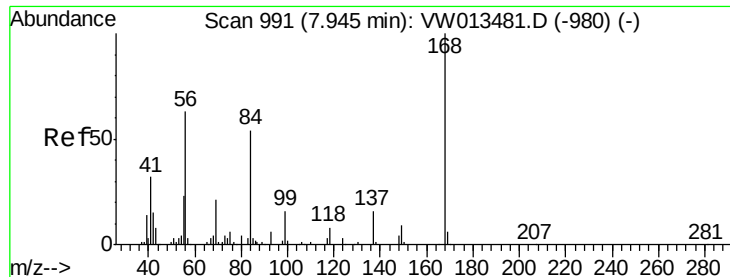
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Oct 09 05:25:15 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 346590

Ion Ratio Lower Upper

168 100

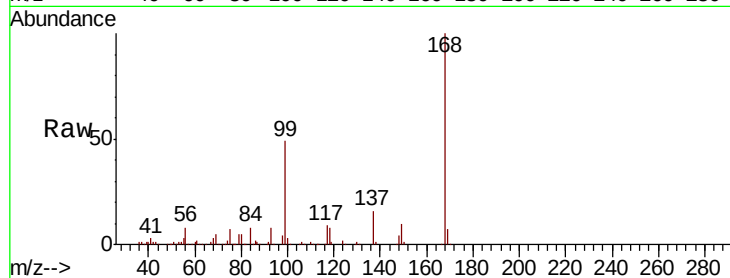
99 49.3 38.3 57.5

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

150000

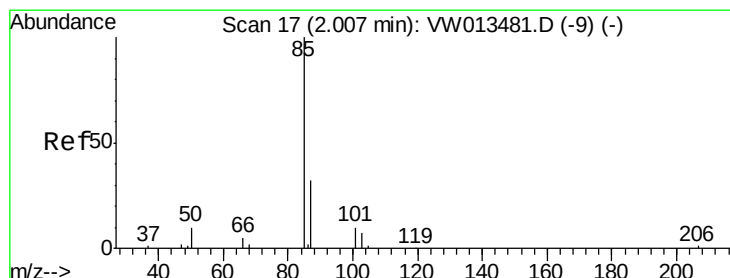
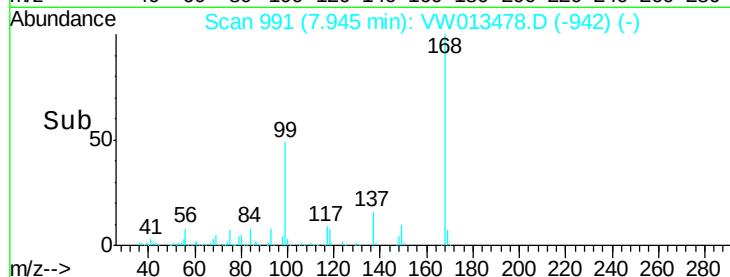
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 4.482 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013478.D

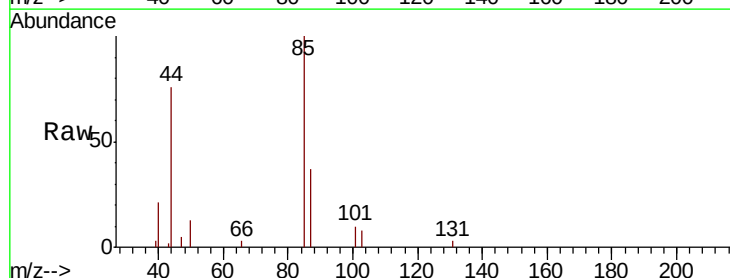
Acq: 08 Oct 2019 10:27

Tgt Ion: 85 Resp: 5146

Ion Ratio Lower Upper

85 100

87 37.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2500

2000

1500

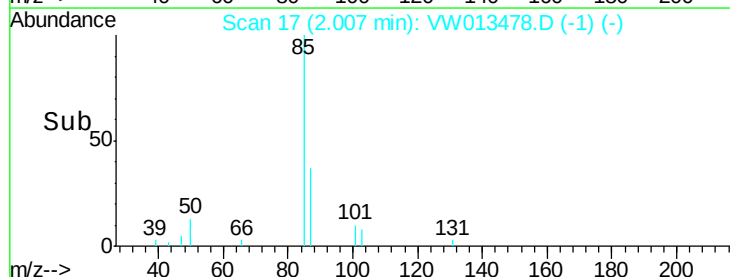
1000

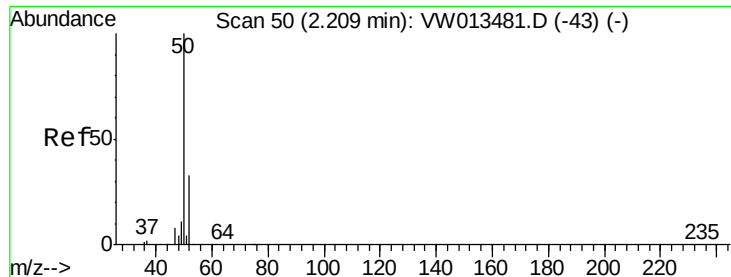
500

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 5.408 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10914

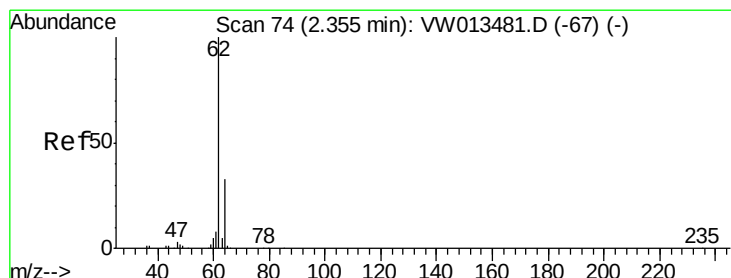
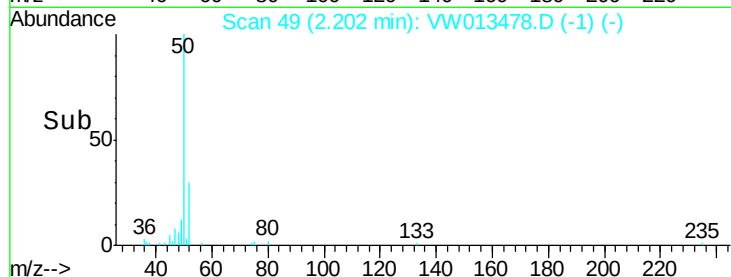
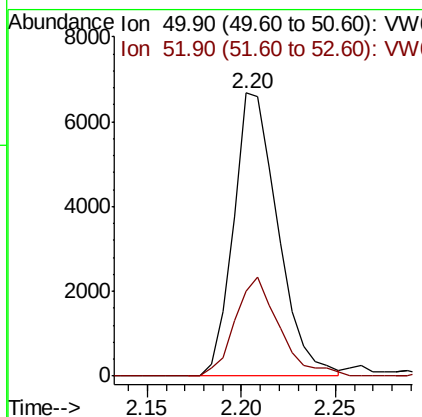
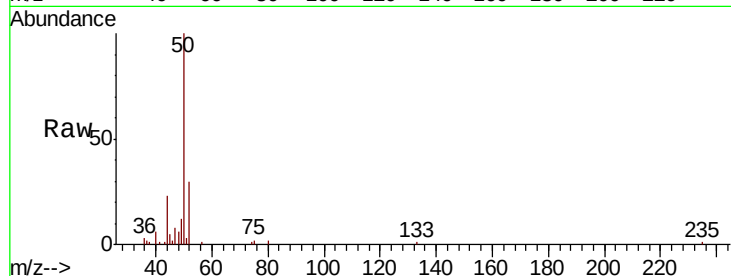
Ion Ratio Lower Upper

50 100

52 30.0 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 4.966 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013478.D

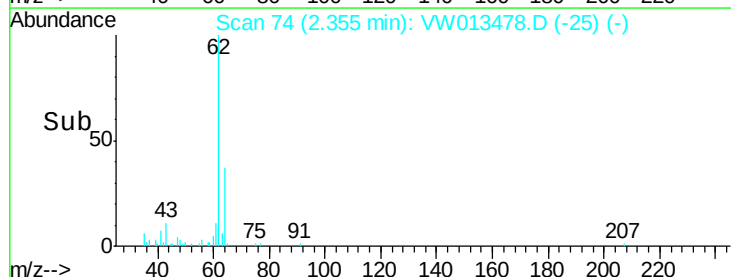
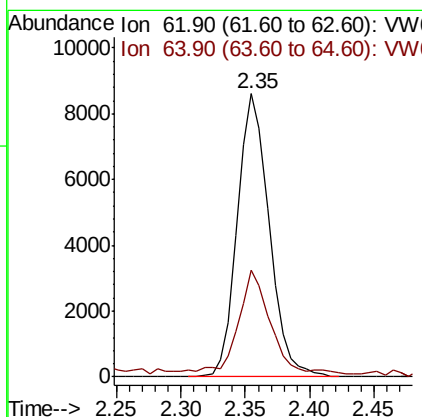
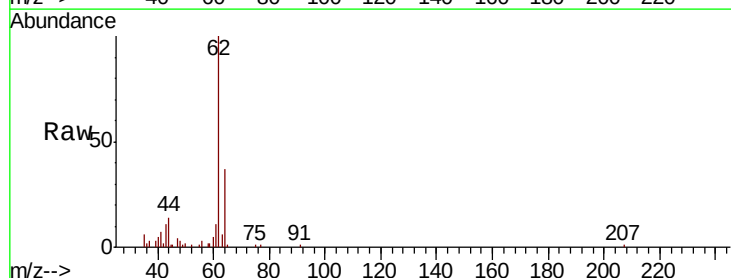
Acq: 08 Oct 2019 10:27

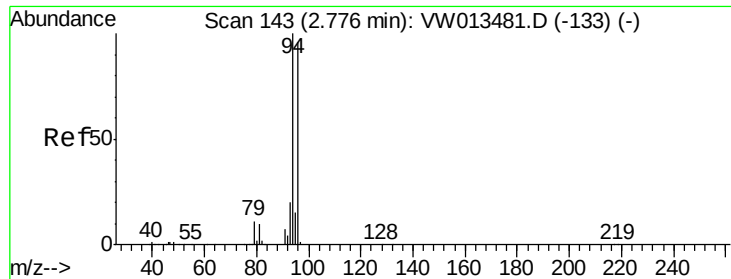
Tgt Ion: 62 Resp: 14781

Ion Ratio Lower Upper

62 100

64 35.7 26.6 39.8





#5

Bromomethane

Concen: 5.345 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9493

Ion Ratio Lower Upper

94 100

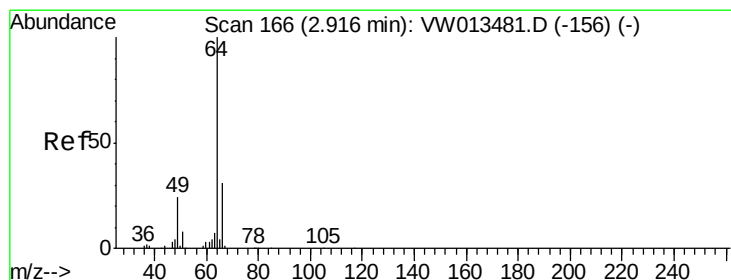
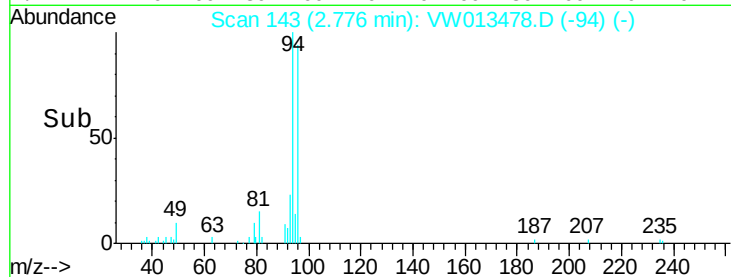
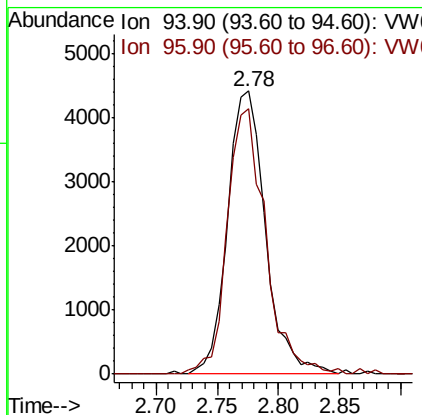
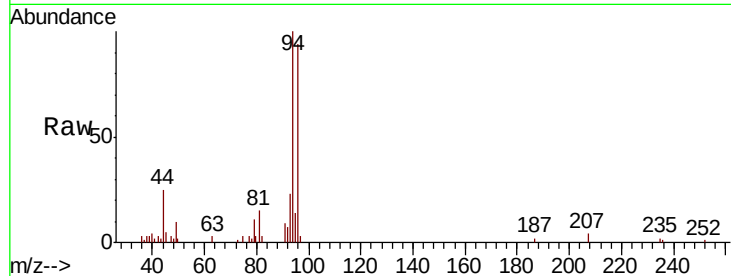
96 92.6 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 5.207 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013478.D

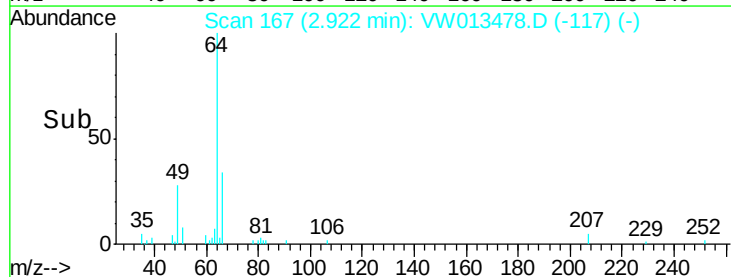
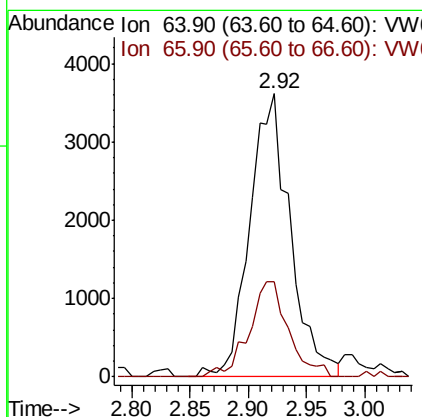
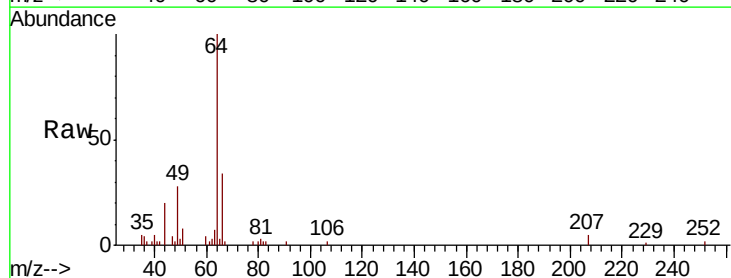
Acq: 08 Oct 2019 10:27

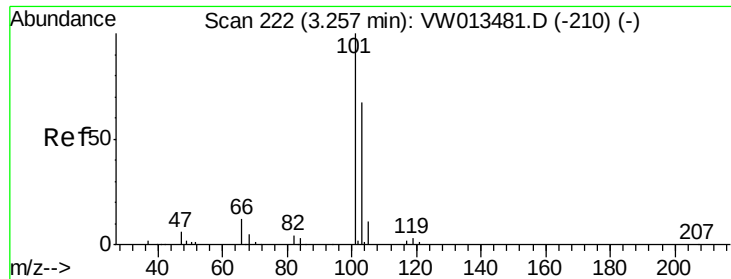
Tgt Ion: 64 Resp: 8704

Ion Ratio Lower Upper

64 100

66 33.7 25.0 37.4





#7

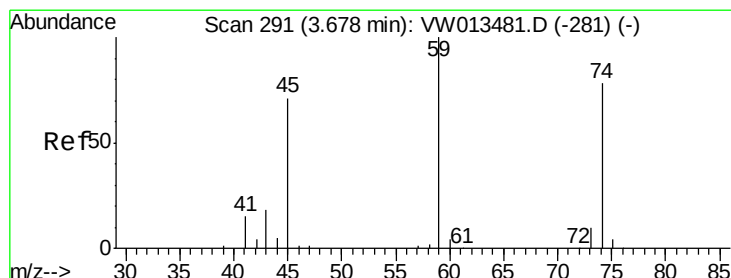
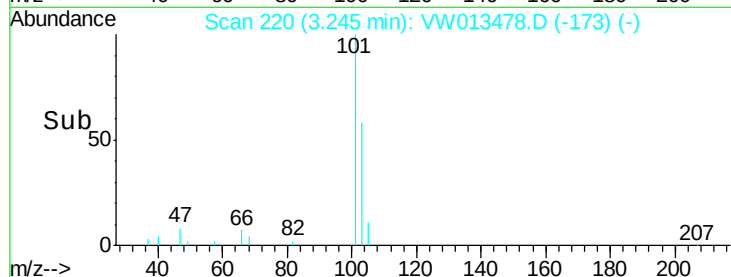
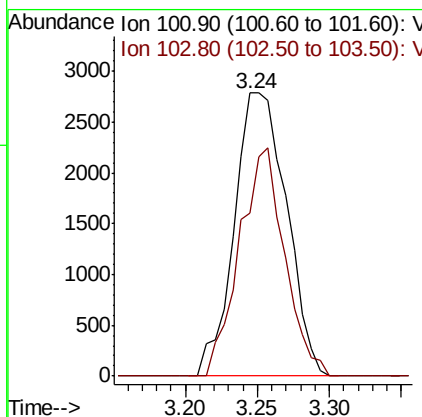
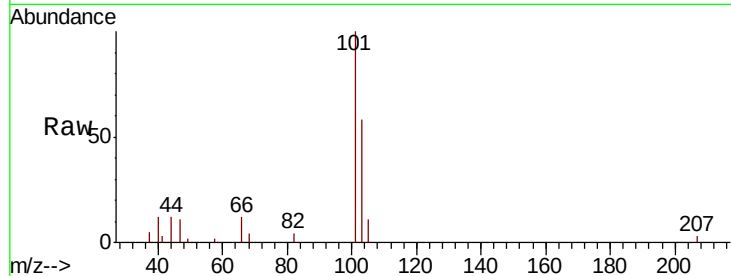
Trichlorofluoromethane
Concen: 4.997 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.7	53.7	80.5

Manual Integrations
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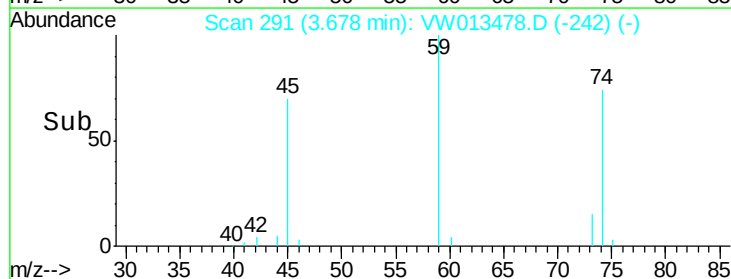
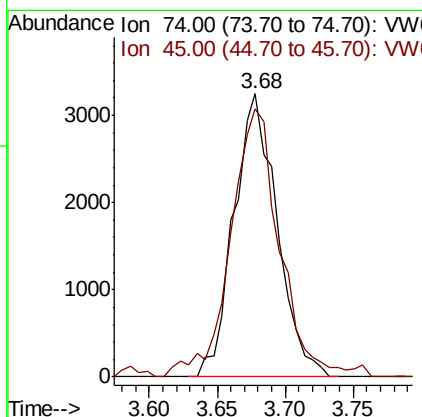
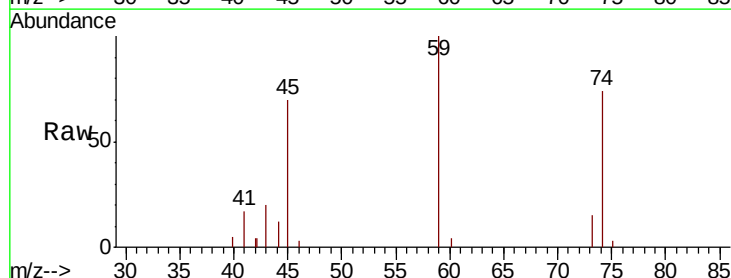
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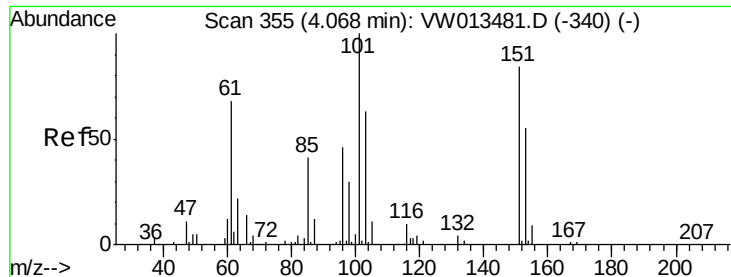


#8

Diethyl Ether
Concen: 4.934 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	50.0	150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.952 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

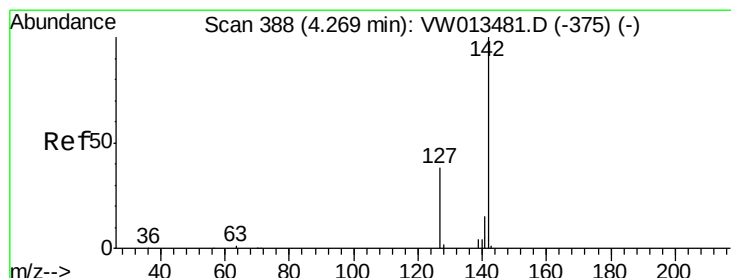
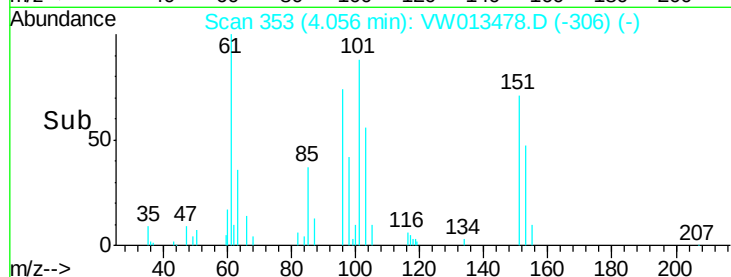
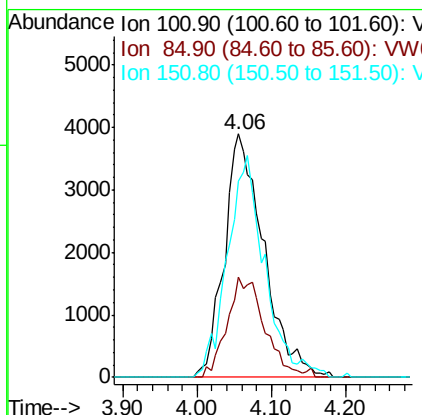
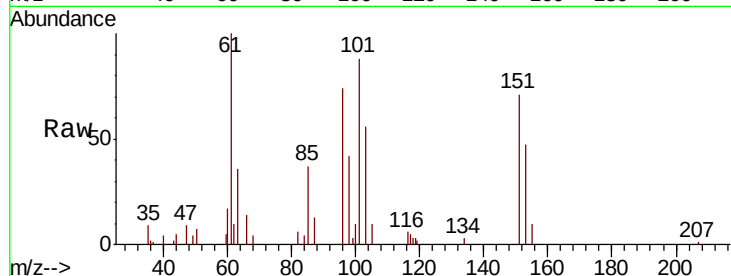
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14373
Ion Ratio	Lower	Upper	
101	100		
85	39.0	31.6	47.4
151	84.0	67.5	101.3

Manual Integrations
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#10

Methyl Iodide

Concen: 4.955 ug/l

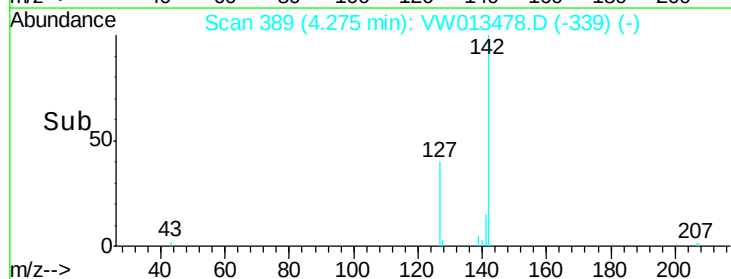
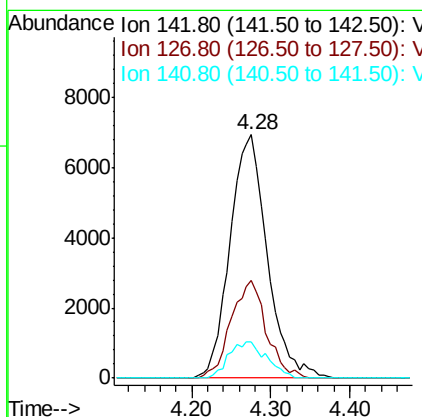
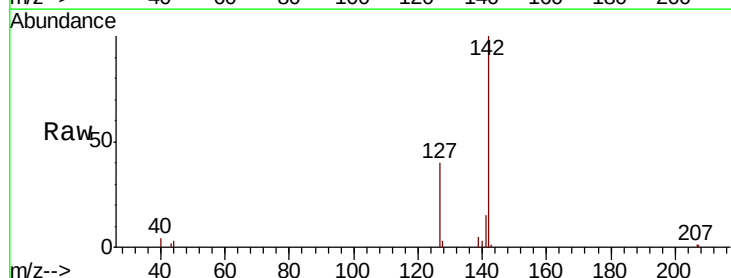
RT: 4.28 min Scan# 389

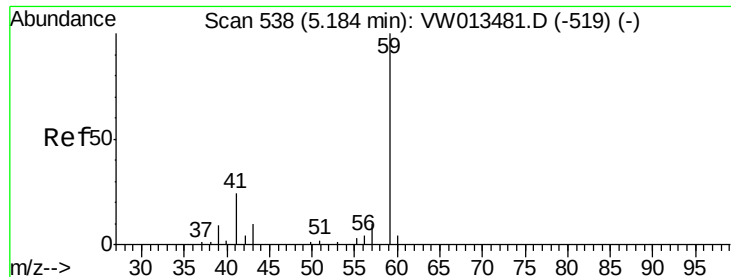
Delta R.T. 0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion:	142	Resp:	22773
Ion Ratio	Lower	Upper	
142	100		
127	38.0	29.6	44.4
141	15.1	12.1	18.1





#11

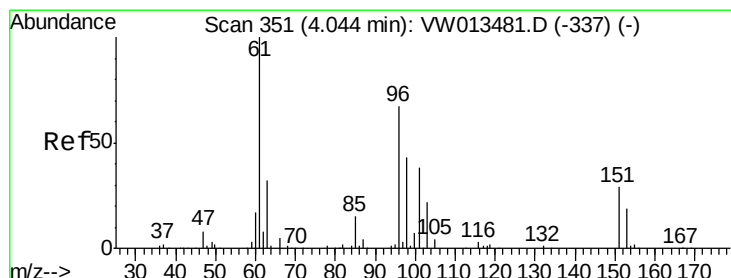
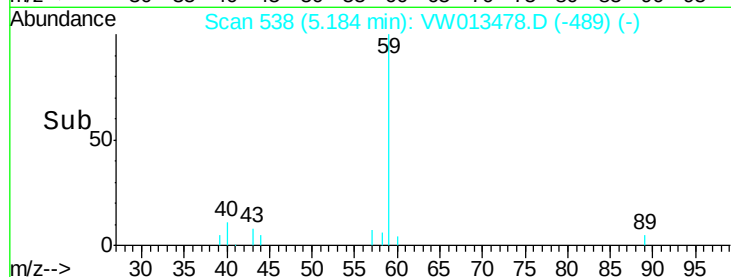
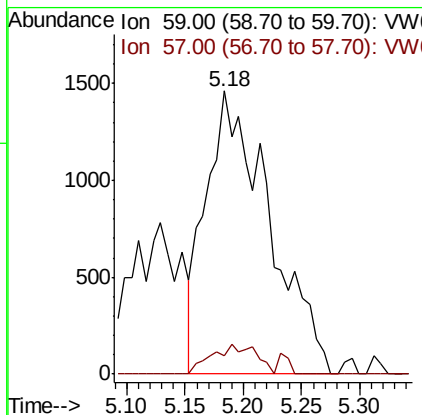
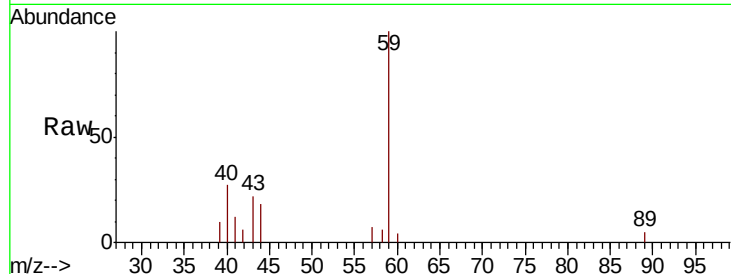
Tert butyl alcohol
Concen: 27.016 ug/l
RT: 5.18 min Scan# 538
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.3	8.2	12.4#

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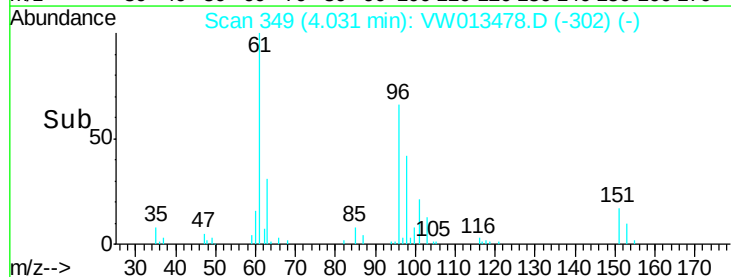
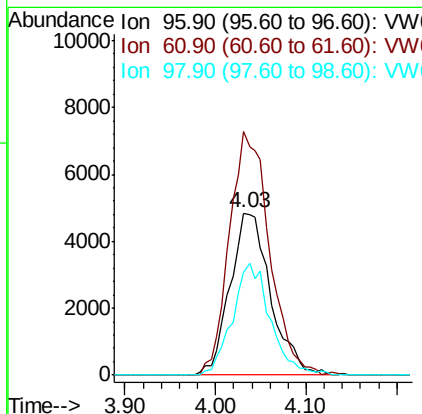
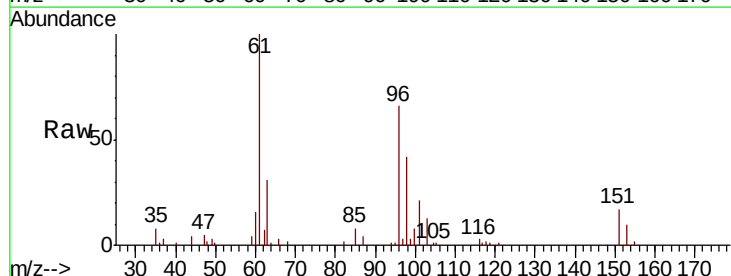
MMDadoda
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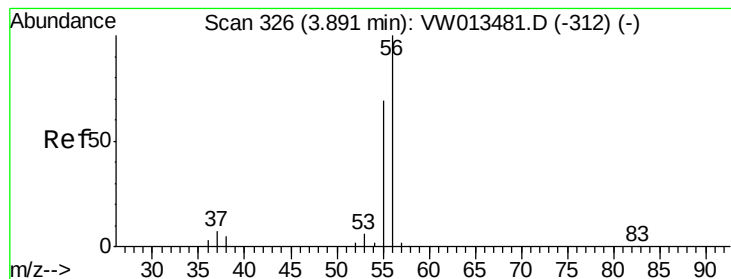


#12

1,1-Dichloroethene
Concen: 5.010 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	119.4	179.0
98	63.3	51.1	76.7





#13

Acrolein

Concen: 6.647 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1451

Ion Ratio Lower Upper

56 100

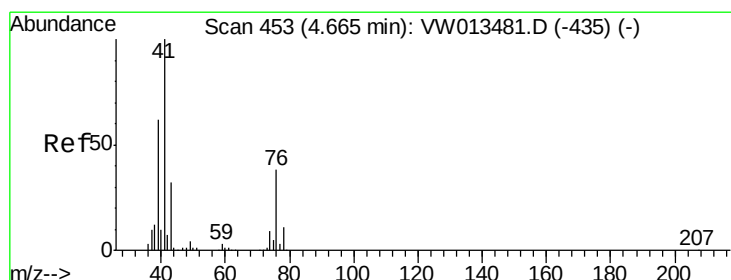
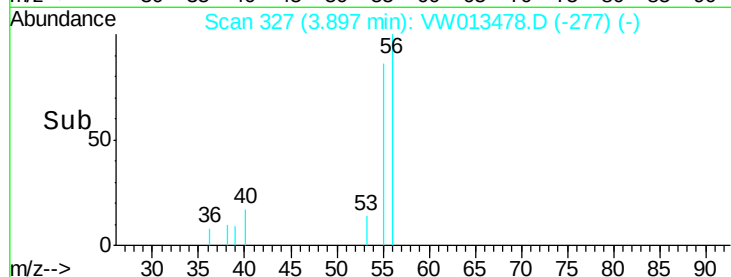
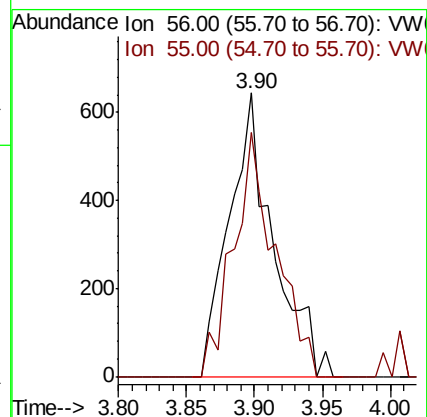
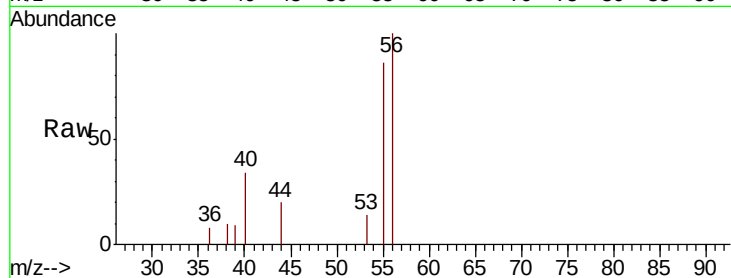
55 81.6 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 4.904 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

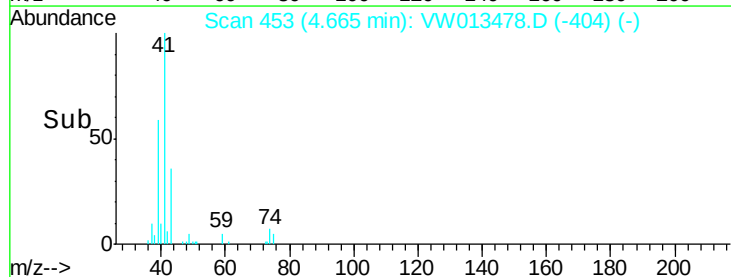
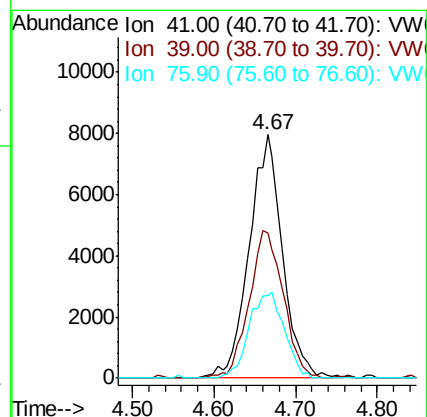
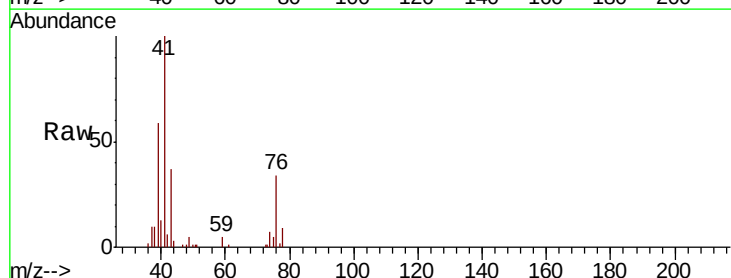
Tgt Ion: 41 Resp: 22672

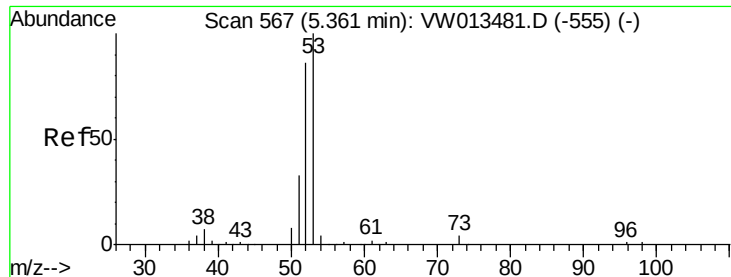
Ion Ratio Lower Upper

41 100

39 61.8 50.1 75.1

76 37.1 29.0 43.4





#15

Acrylonitrile

Concen: 23.126 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

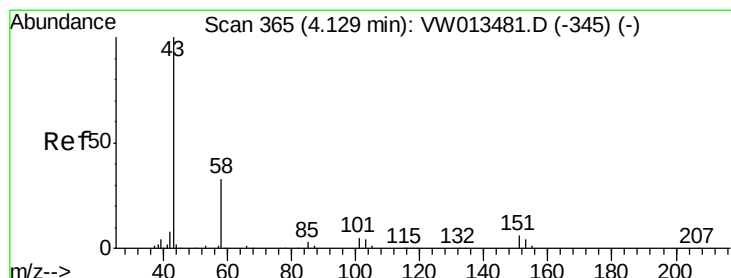
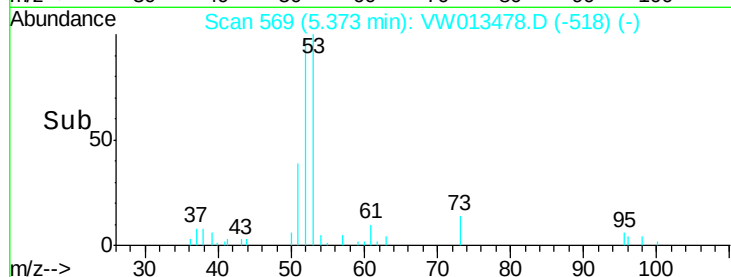
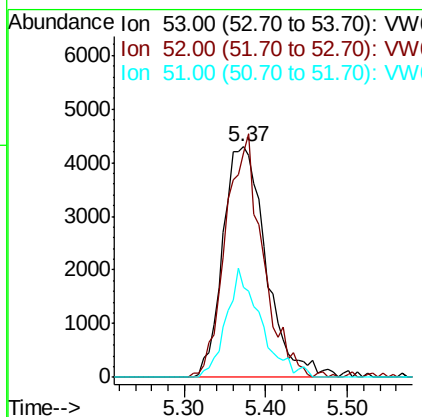
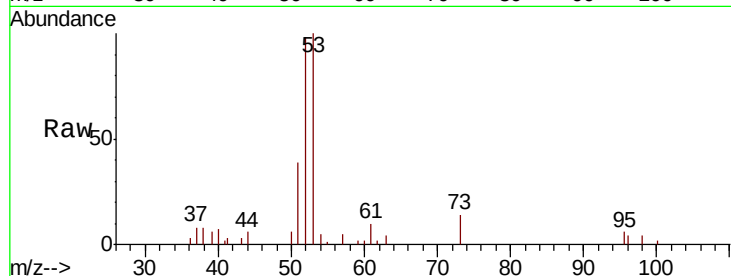
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	15756
Ion	Ratio	Lower	Upper
53	100		
52	90.3	65.8	98.8
51	37.6	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 25.686 ug/l

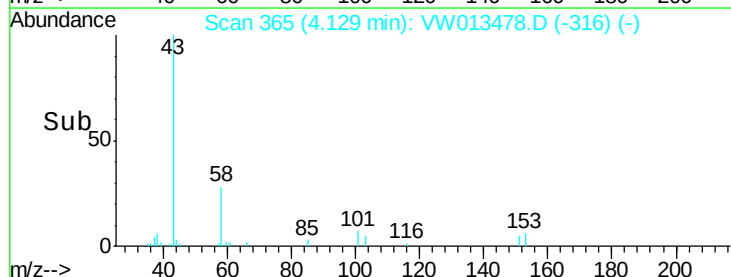
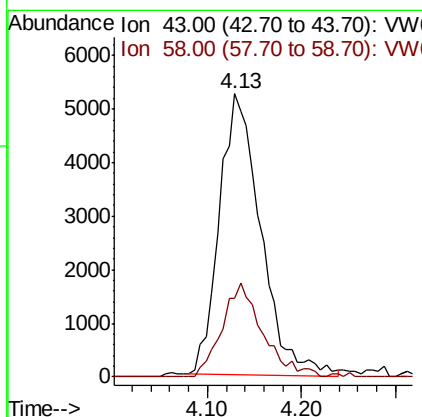
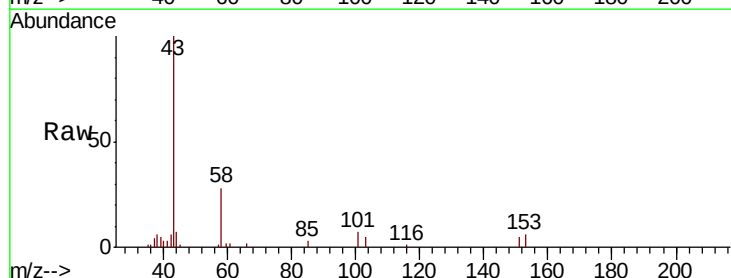
RT: 4.13 min Scan# 365

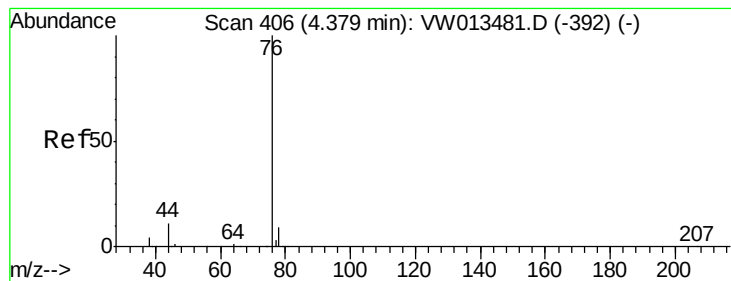
Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion:	43	Resp:	16006
Ion	Ratio	Lower	Upper
43	100		
58	28.3	26.1	39.1





#17

Carbon Disulfide

Concen: 4.951 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 41805

Ion Ratio Lower Upper

76 100

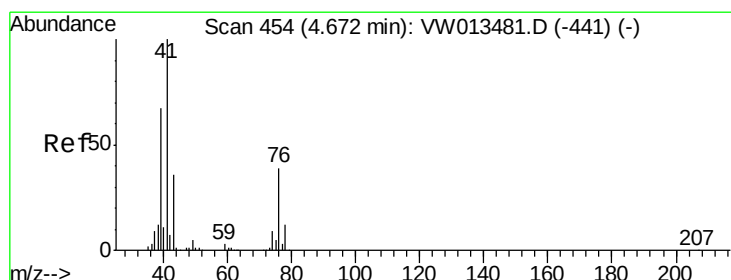
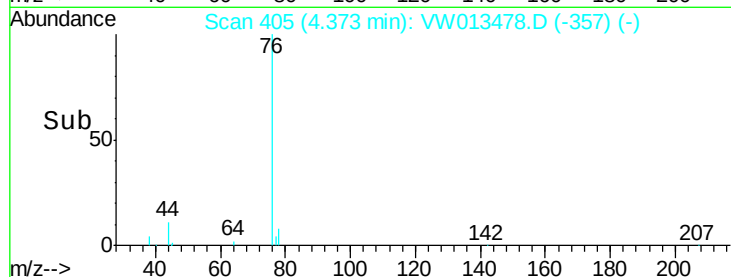
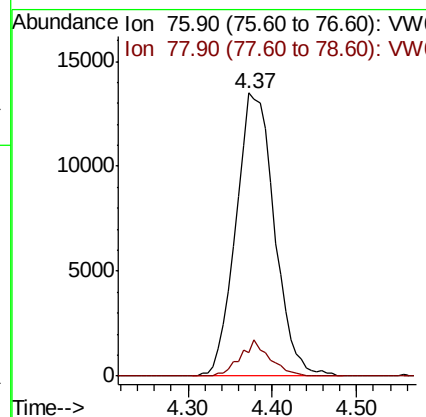
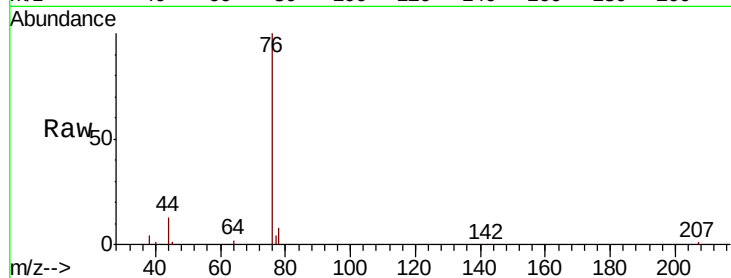
78 8.3 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 5.831 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW013478.D

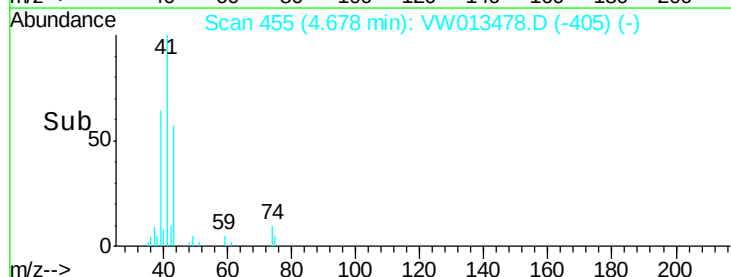
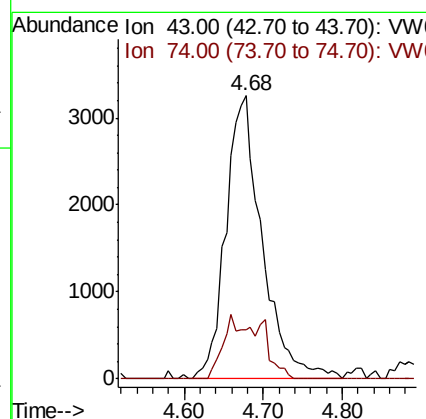
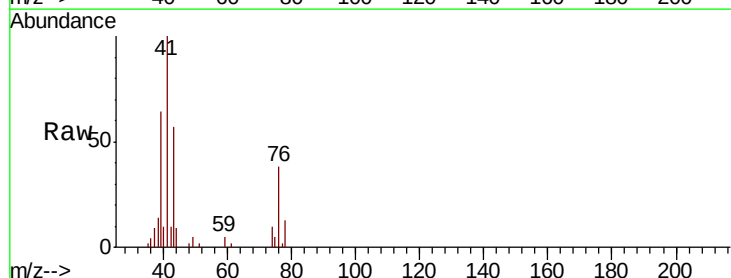
Acq: 08 Oct 2019 10:27

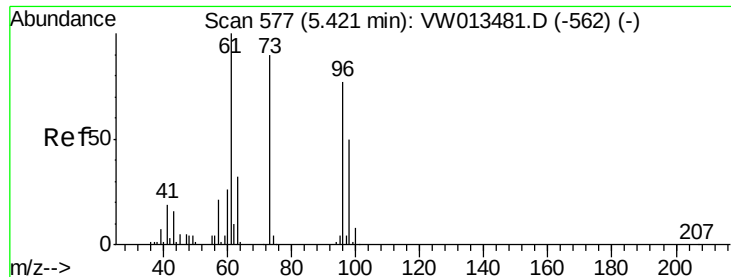
Tgt Ion: 43 Resp: 10409

Ion Ratio Lower Upper

43 100

74 16.6 19.6 29.4#





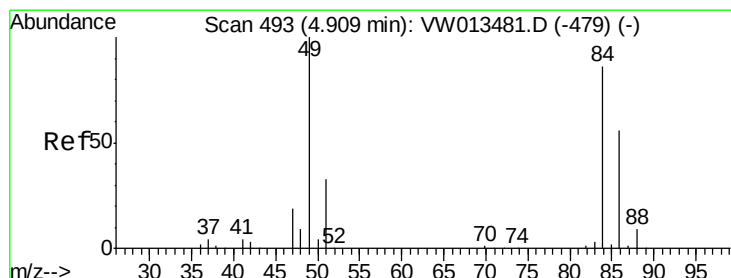
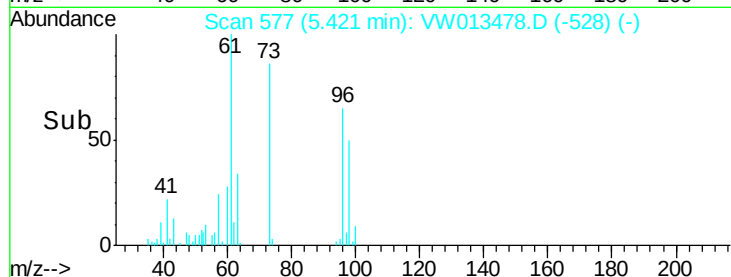
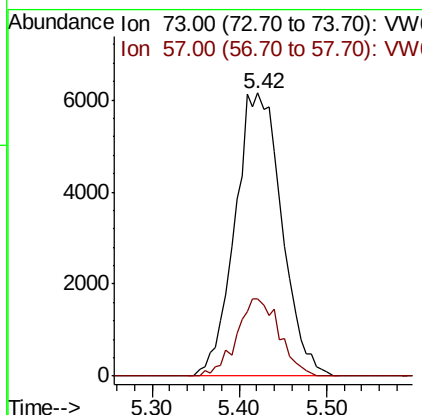
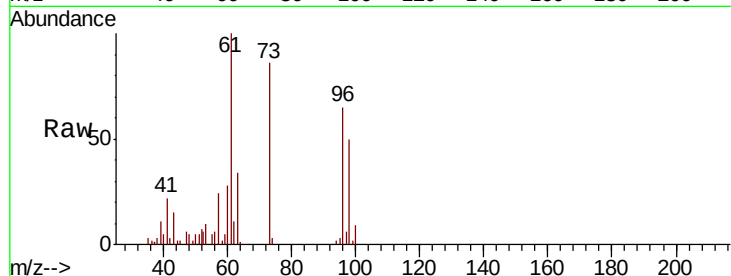
#19
Methyl tert-butyl Ether
Concen: 5.026 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 22863
Ion Ratio Lower Upper
73 100
57 27.4 18.6 27.8

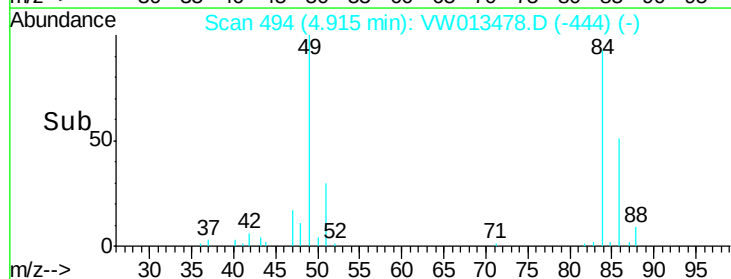
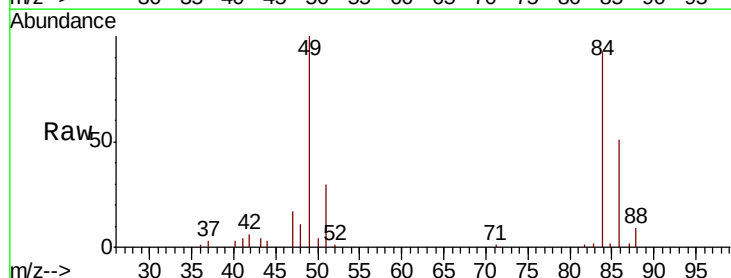
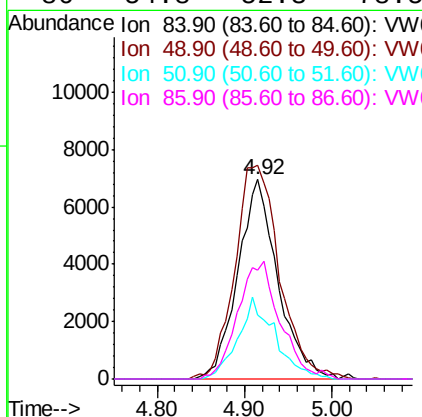
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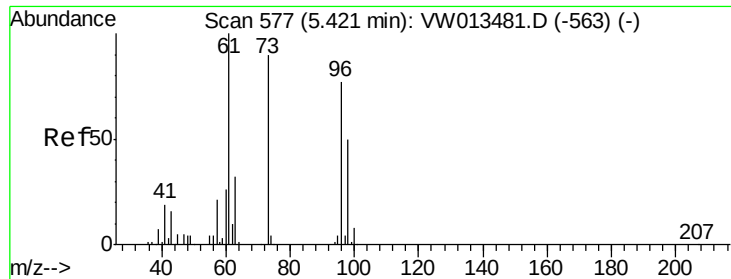
MMDadoda
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#20
Methylene Chloride
Concen: 6.444 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion: 84 Resp: 22104
Ion Ratio Lower Upper
84 100
49 107.0 93.4 140.0
51 32.2 30.6 46.0
86 54.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 4.961 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

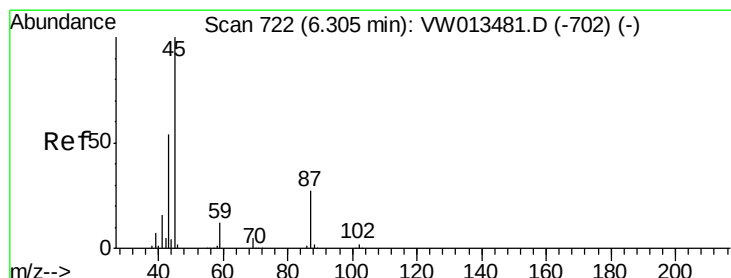
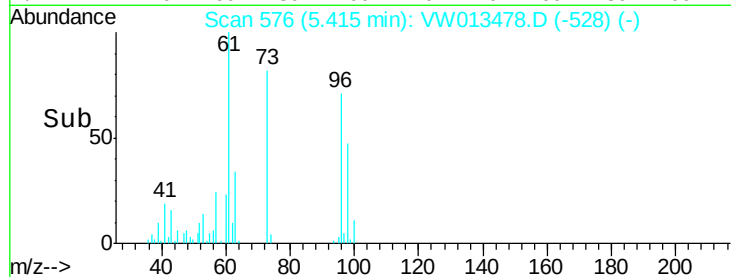
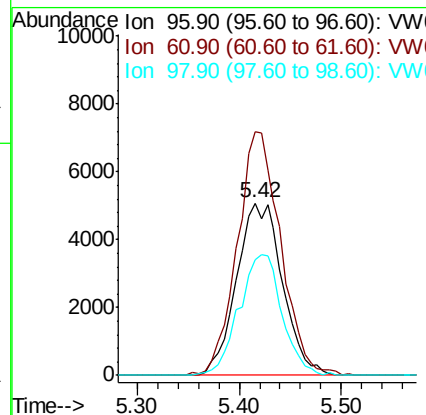
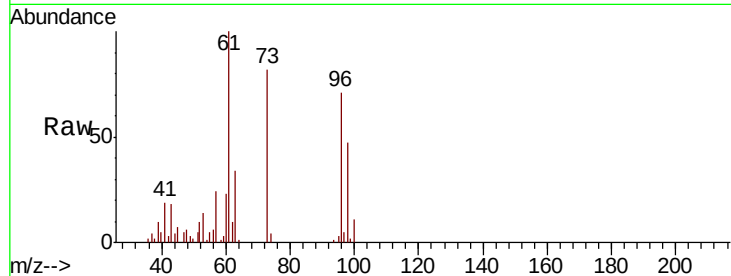
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	15856
Ion	Ratio	Lower	Upper
96	100		
61	141.4	104.3	156.5
98	66.9	51.8	77.8

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#22

Diisopropyl ether

Concen: 4.976 ug/l

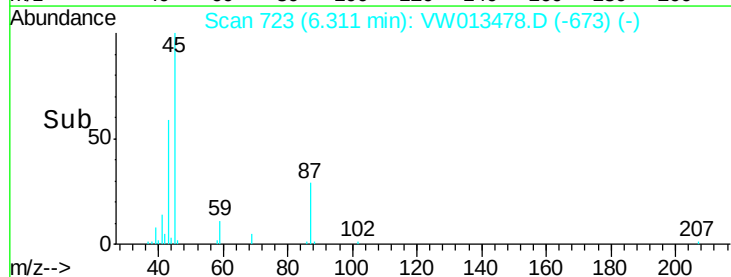
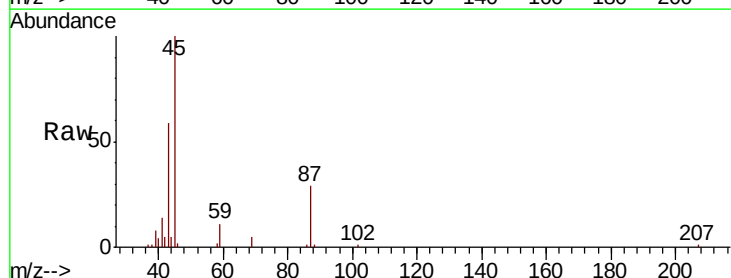
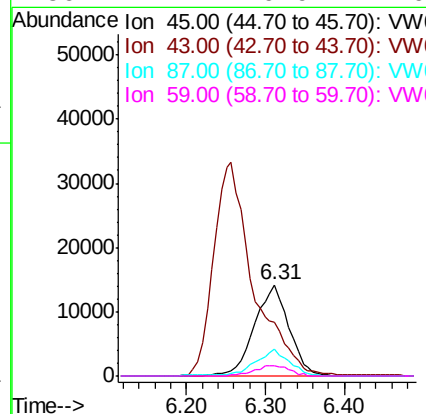
RT: 6.31 min Scan# 723

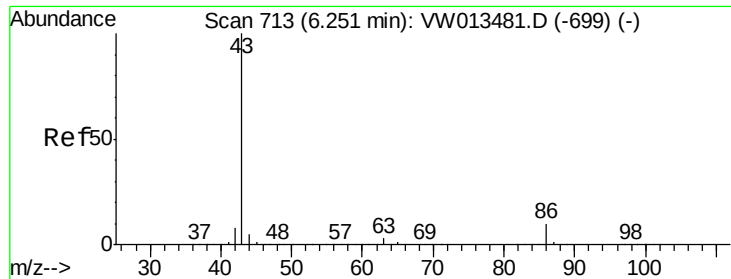
Delta R.T. 0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion:	45	Resp:	43102
Ion	Ratio	Lower	Upper
45	100		
43	57.2	43.4	65.0
87	29.0	22.1	33.1
59	11.4	9.9	14.9





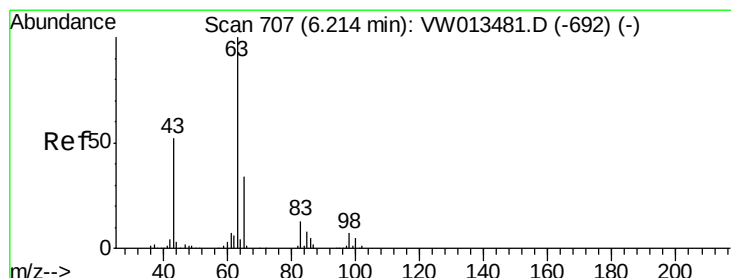
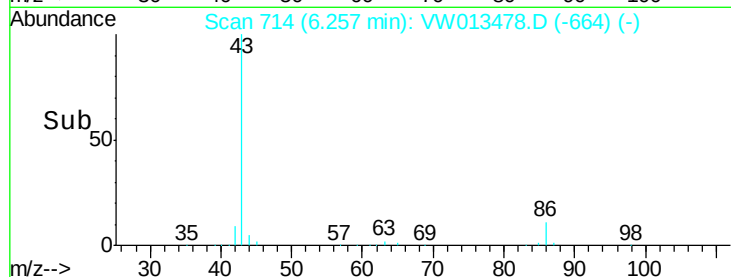
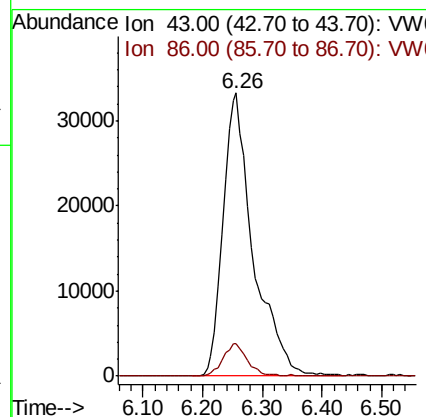
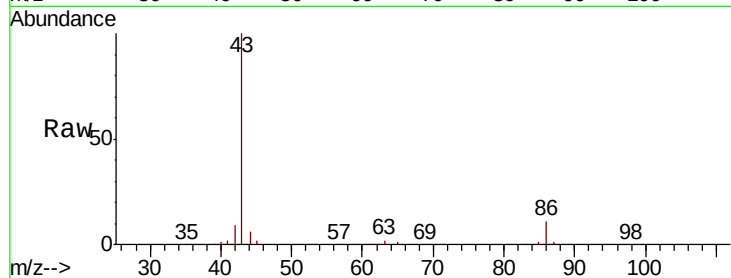
#23
 Vinyl Acetate
 Concen: 22.481 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.3	12.5

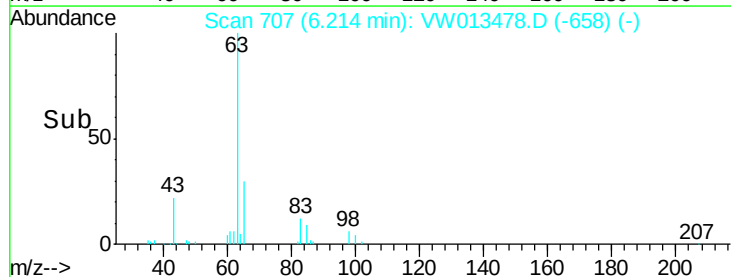
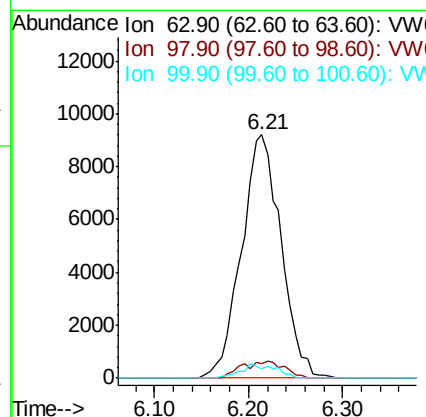
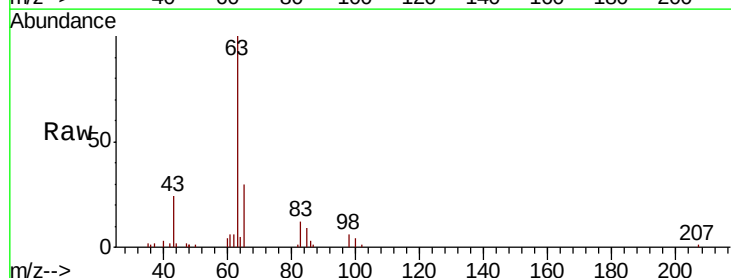
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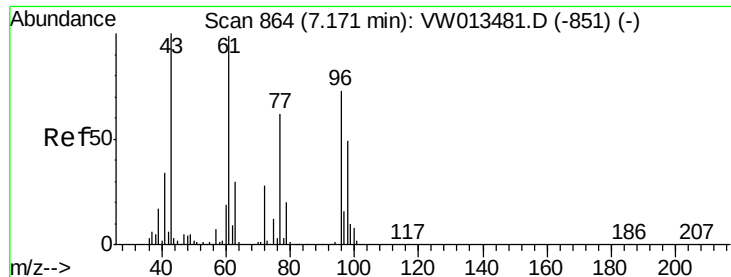
MMDadoda
 10/9/2019 4:08:33 PM



#24
 1,1-Dichloroethane
 Concen: 5.096 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.6
100	3.8	2.3	6.8





#25

2-Butanone

Concen: 25.946 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 23827

Ion Ratio Lower Upper

43 100

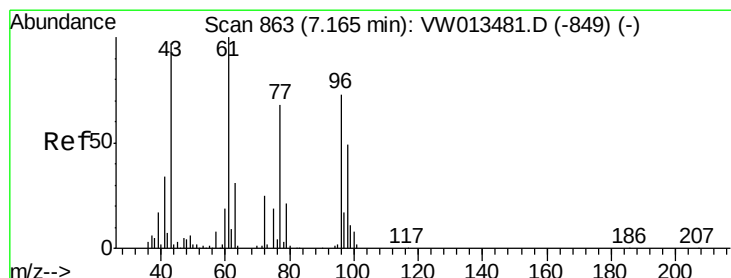
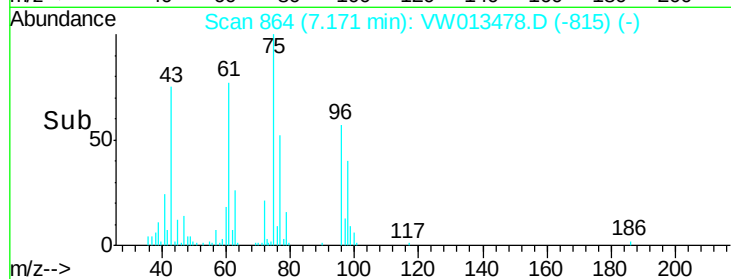
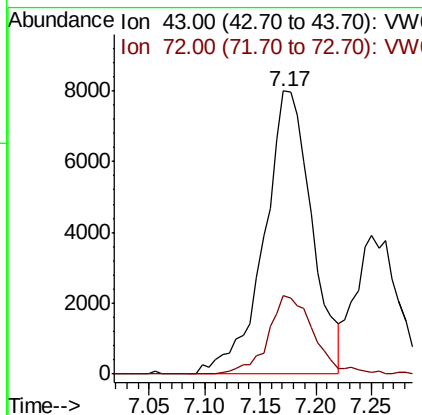
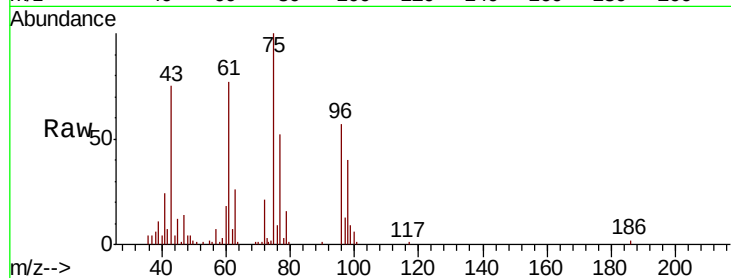
72 27.8 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.943 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013478.D

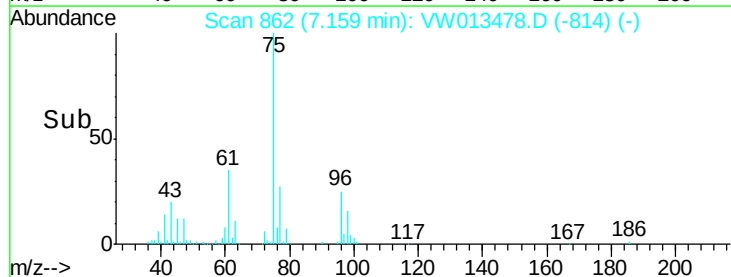
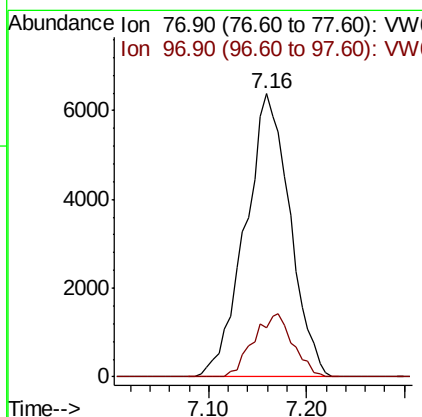
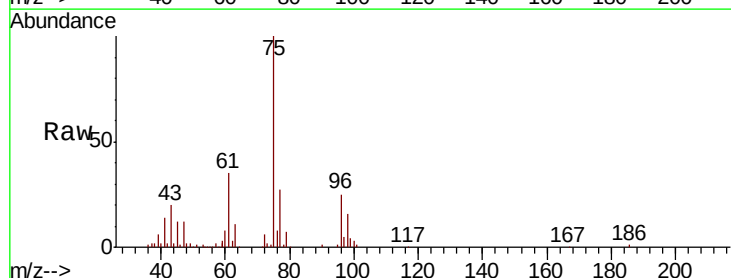
Acq: 08 Oct 2019 10:27

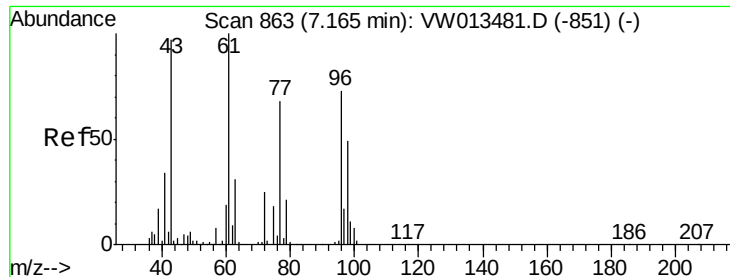
Tgt Ion: 77 Resp: 20281

Ion Ratio Lower Upper

77 100

97 19.7 12.6 37.6





#27

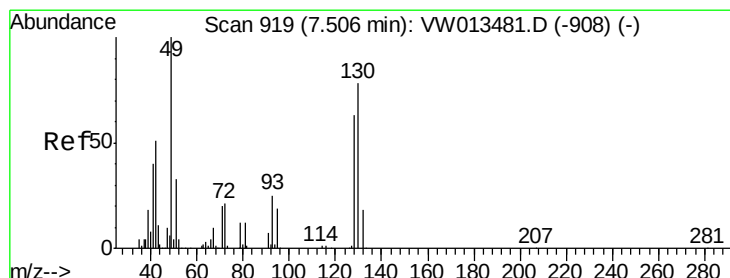
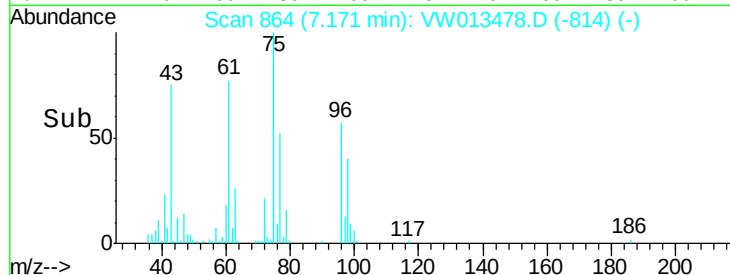
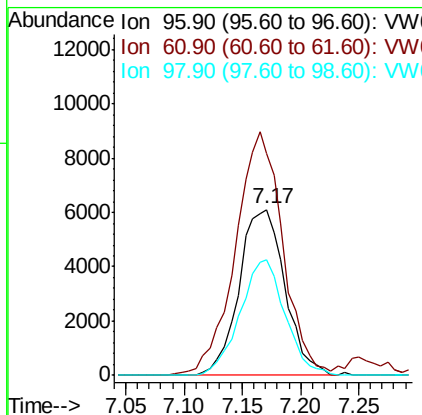
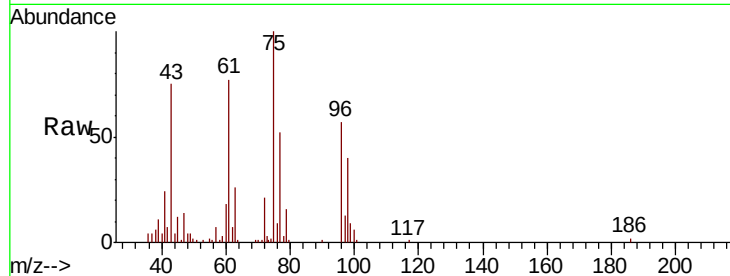
cis-1,2-Dichloroethene
 Concen: 4.923 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	274.4
98	68.6	0.0	130.2

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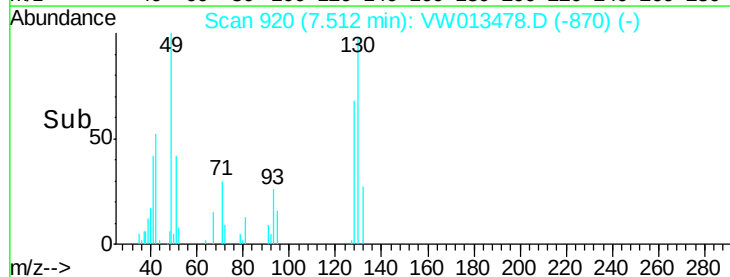
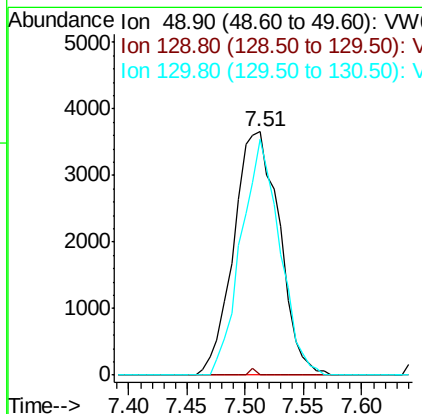
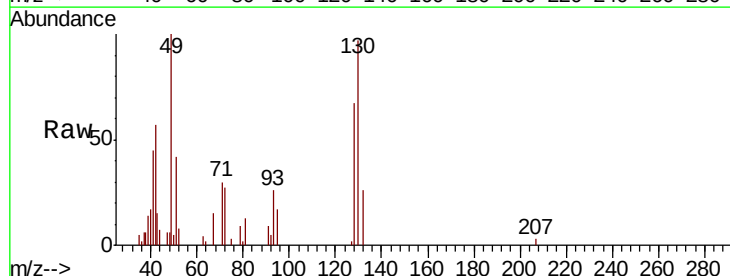
MMDadoda
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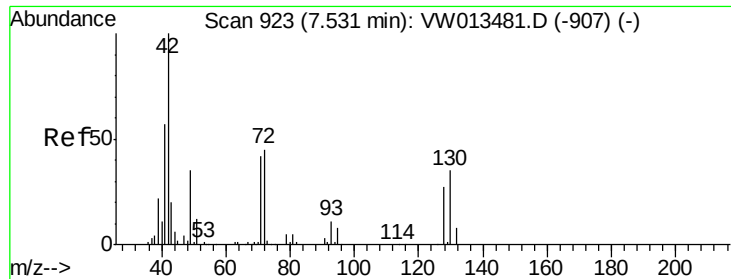


#28

Bromochloromethane
 Concen: 5.286 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.6
130	82.2	0.0	0.0#





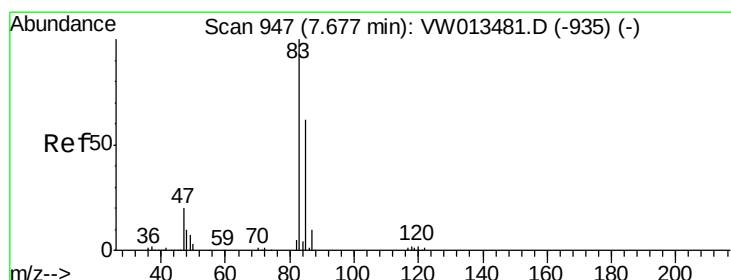
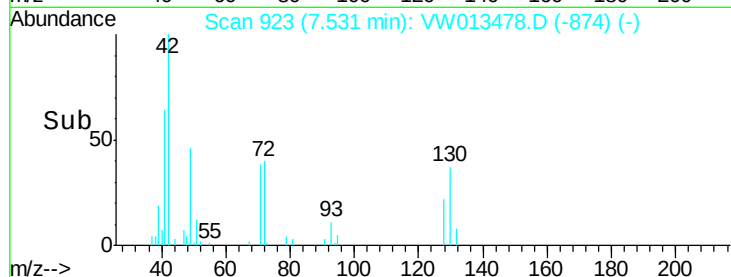
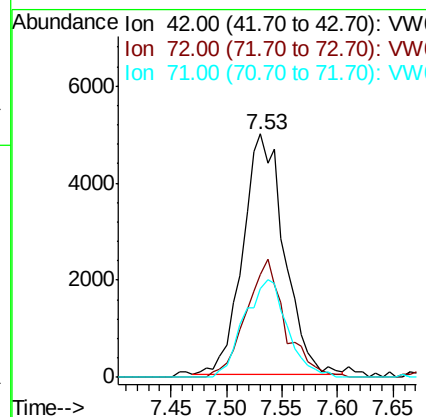
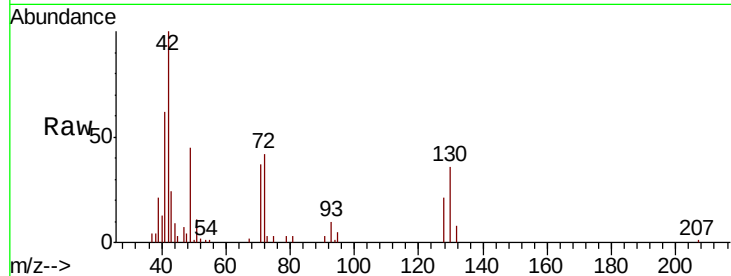
#29
Tetrahydrofuran
Concen: 22.706 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	12744
Ion	Ratio	Lower	Upper
42	100		
72	46.6	34.8	52.2
71	42.4	33.6	50.4

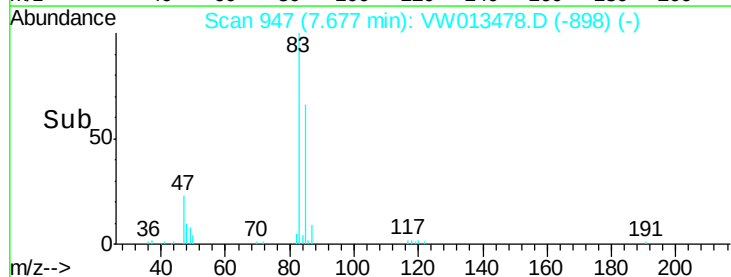
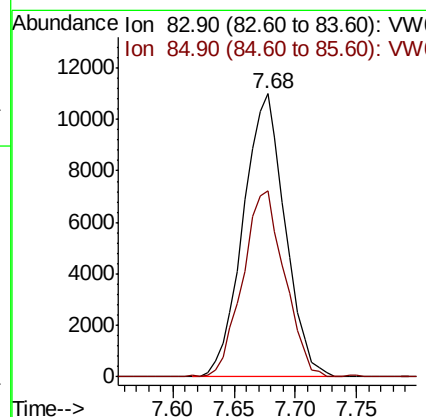
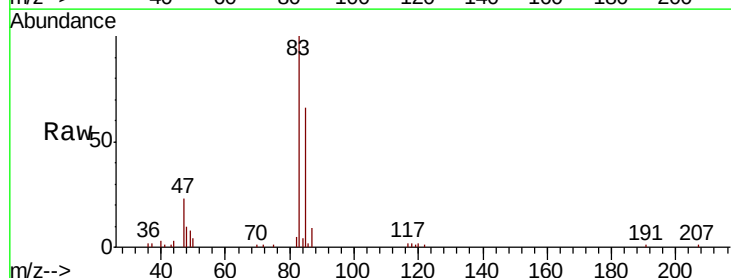
Manual Integrations
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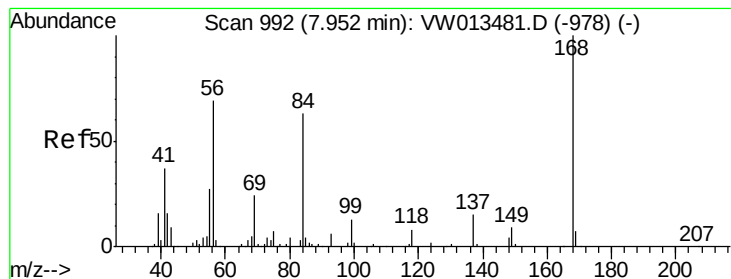
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#30
Chloroform
Concen: 5.119 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion:	83	Resp:	26214
Ion	Ratio	Lower	Upper
83	100		
85	65.5	49.4	74.2





#31

Cyclohexane

Concen: 5.698 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

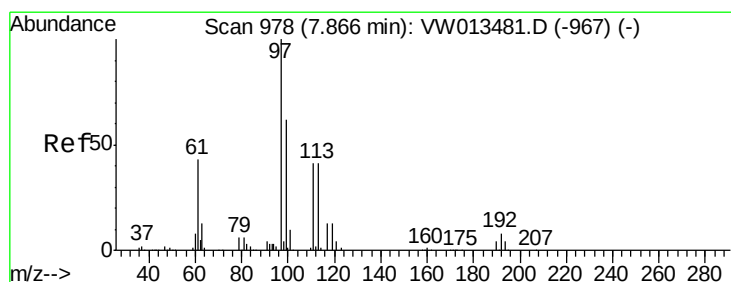
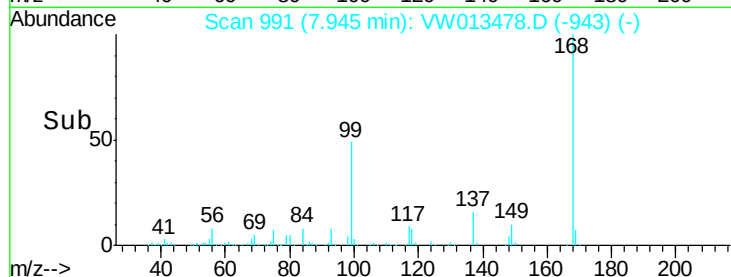
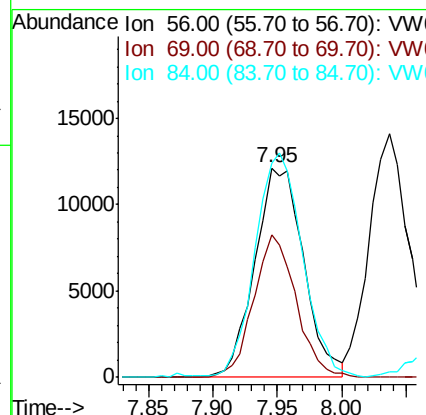
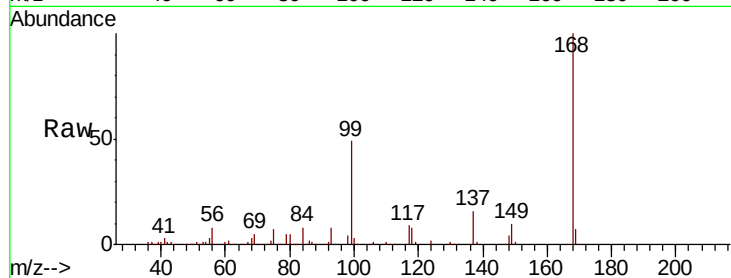
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	31926
Ion Ratio	Lower	Upper	
56	100		
69	68.2	28.0	42.0#
84	101.5	71.8	107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.882 ug/l

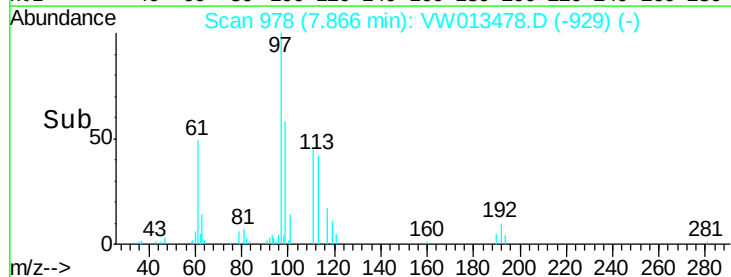
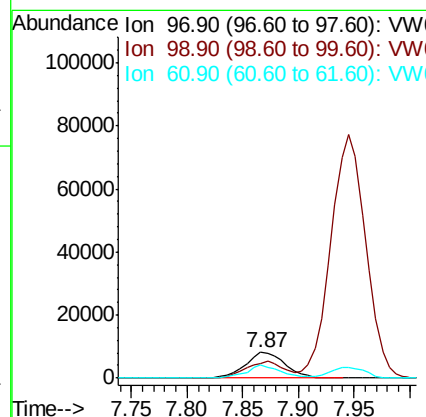
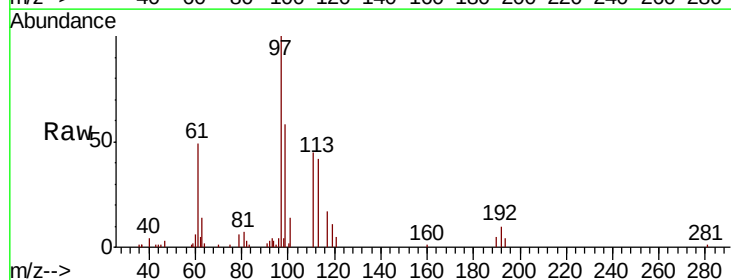
RT: 7.87 min Scan# 978

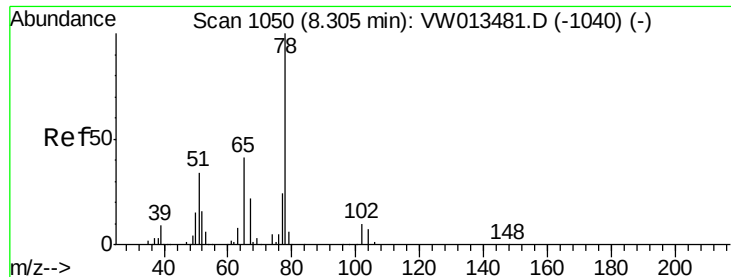
Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion:	97	Resp:	20322
Ion Ratio	Lower	Upper	
97	100		
99	62.6	52.3	78.5
61	42.7	33.7	50.5





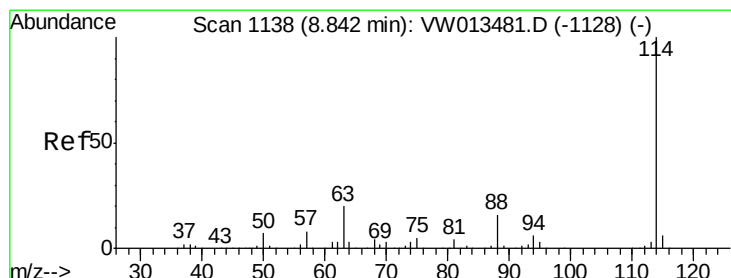
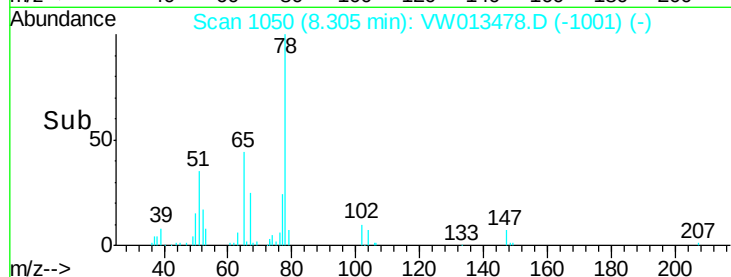
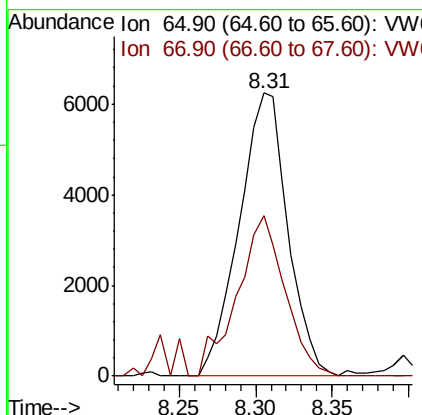
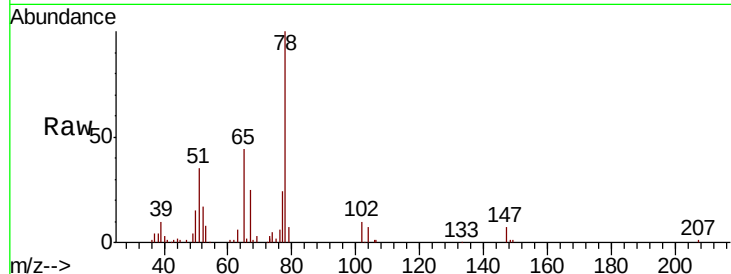
#33
 1,2-Dichloroethane-d4
 Concen: 5.151 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	109.4

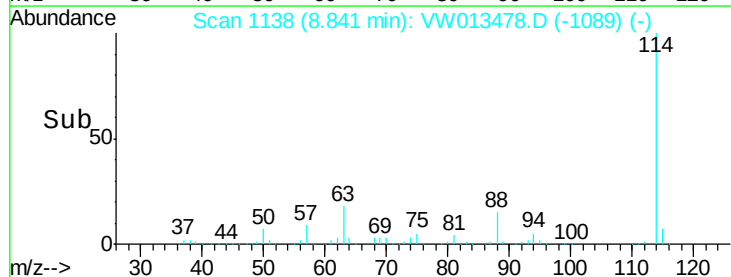
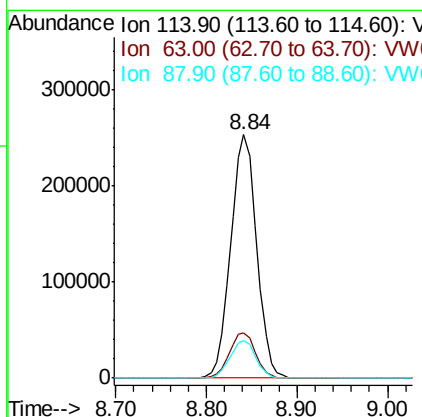
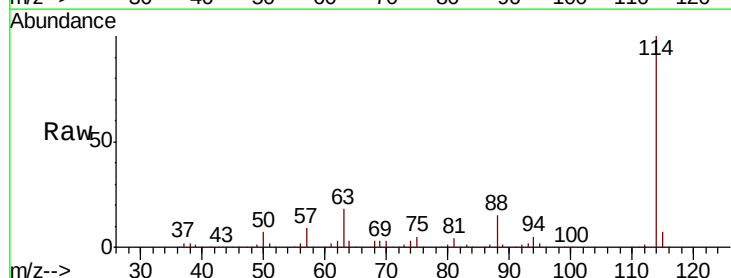
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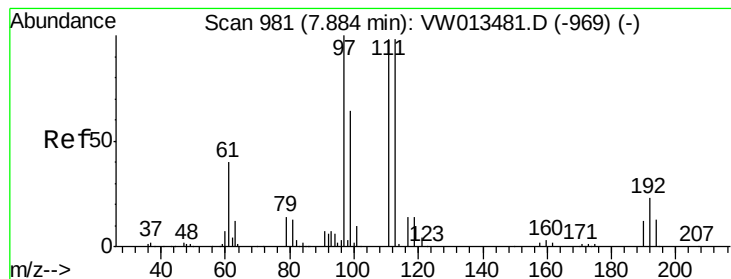
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	40.4
88	15.5	0.0	31.4





#35

Dibromofluoromethane

Concen: 5.084 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

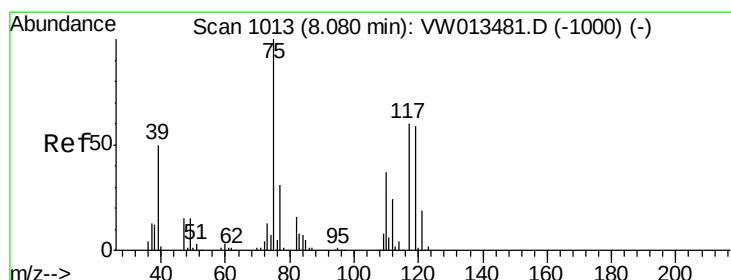
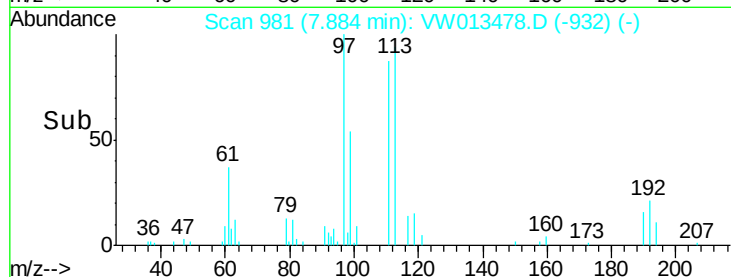
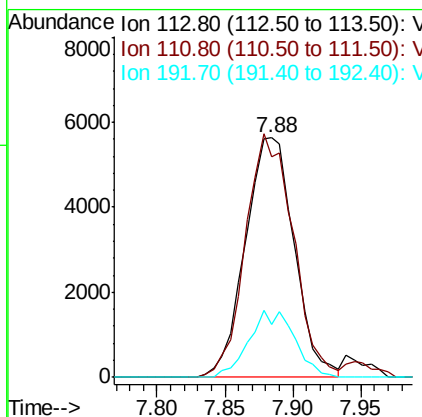
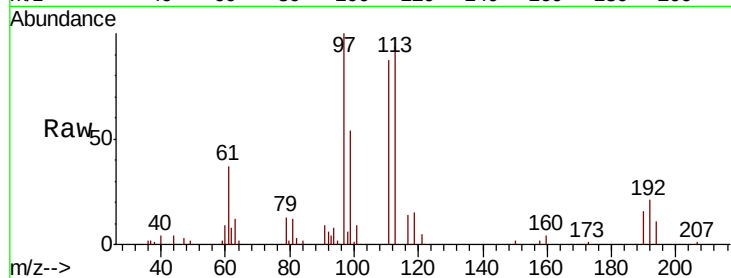
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	14183
Ion	Ratio	Lower	Upper
113	100		
111	98.8	82.3	123.5
192	25.8	19.3	28.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.013 ug/l

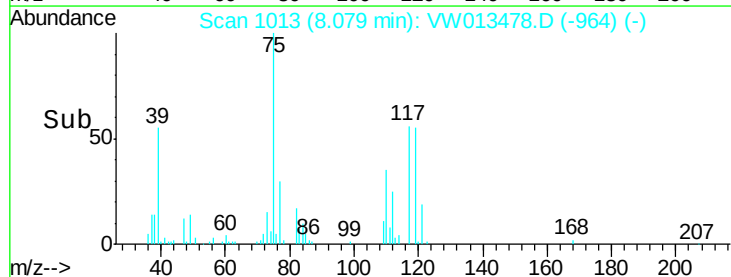
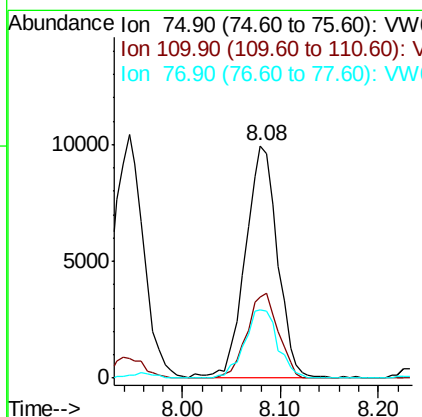
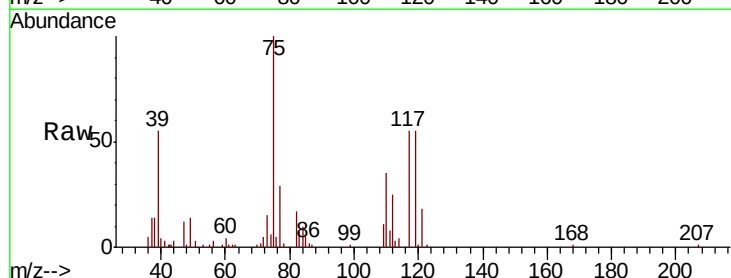
RT: 8.08 min Scan# 1013

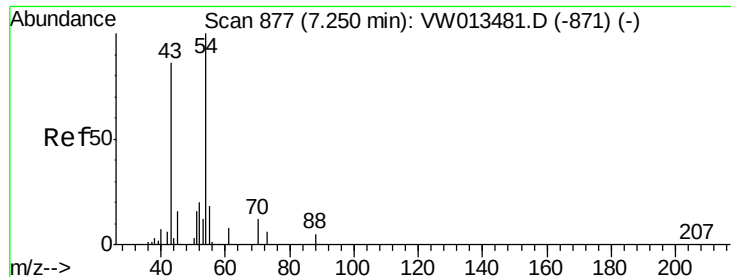
Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion:	75	Resp:	22648
Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.4	55.2
77	30.3	25.0	37.4





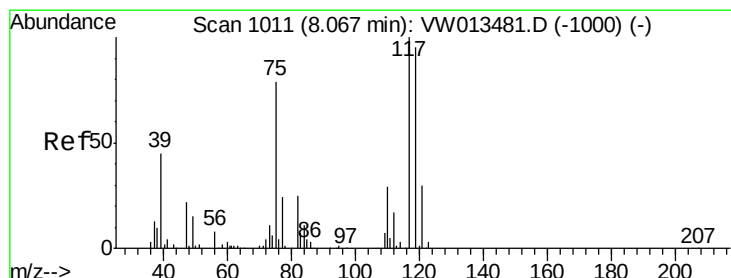
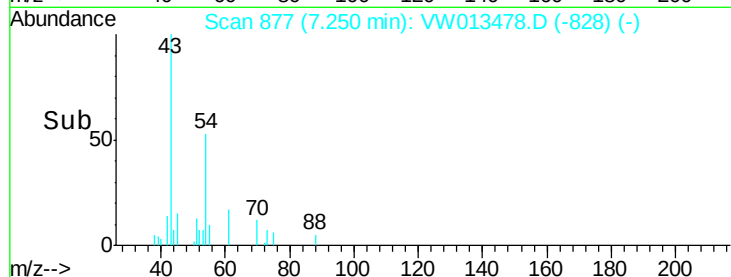
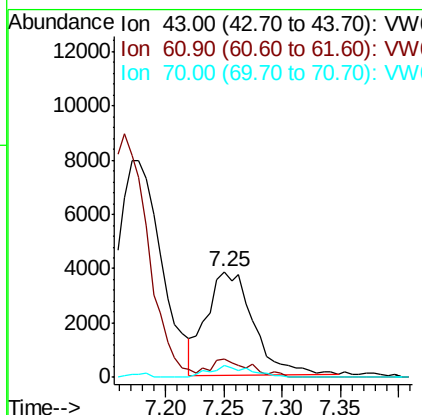
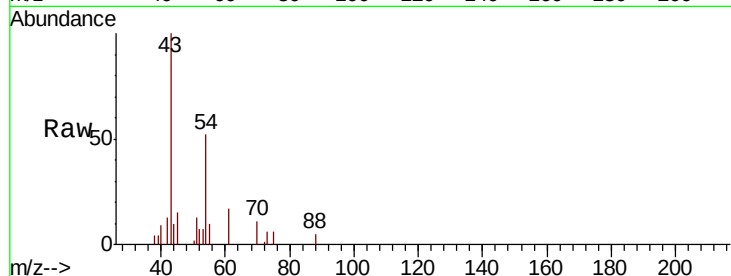
#37
Ethyl Acetate
Concen: 5.223 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	9.7	9.2	13.8

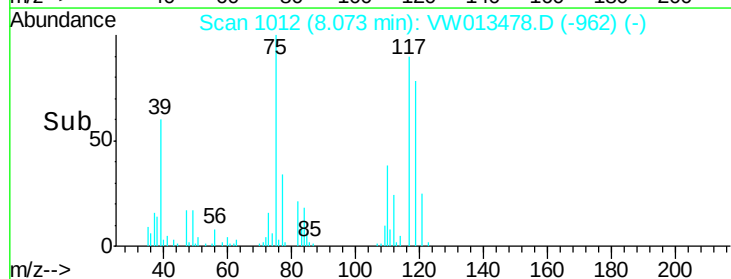
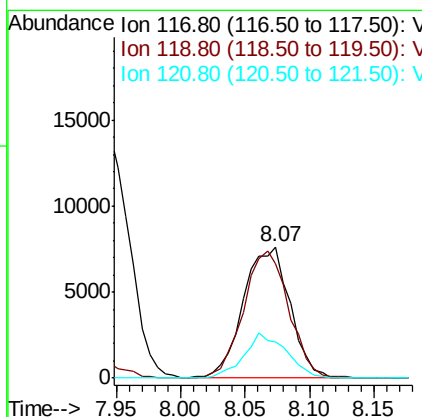
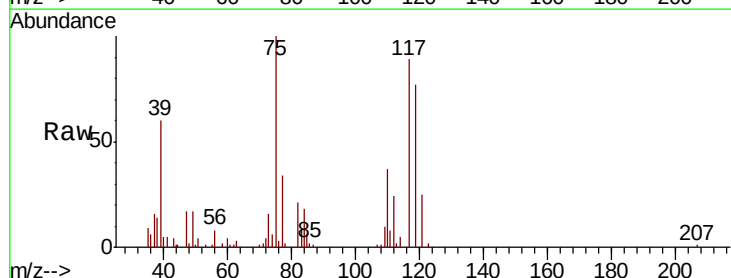
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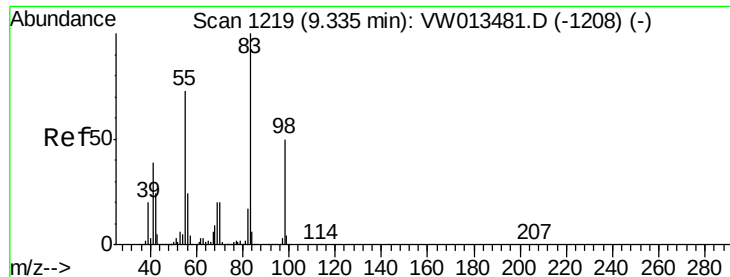
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#38
Carbon Tetrachloride
Concen: 4.756 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.1	76.3	114.5
121	27.9	23.6	35.4





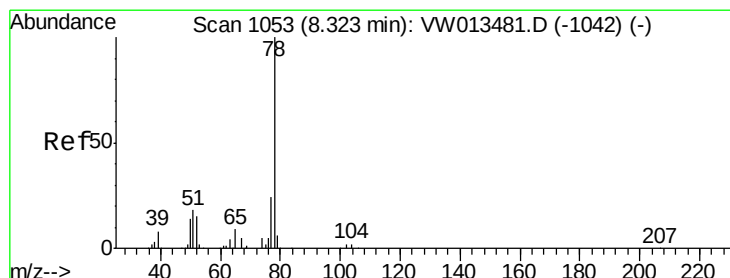
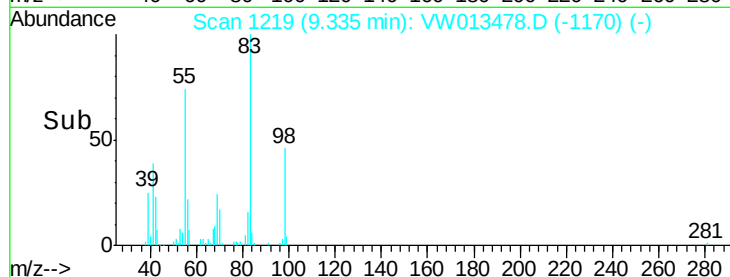
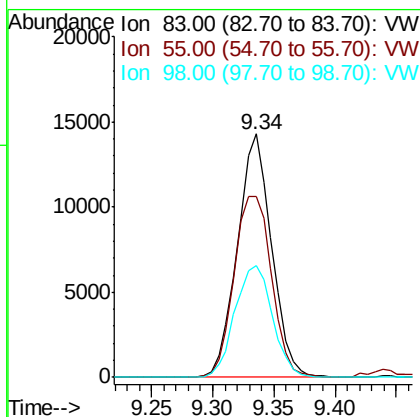
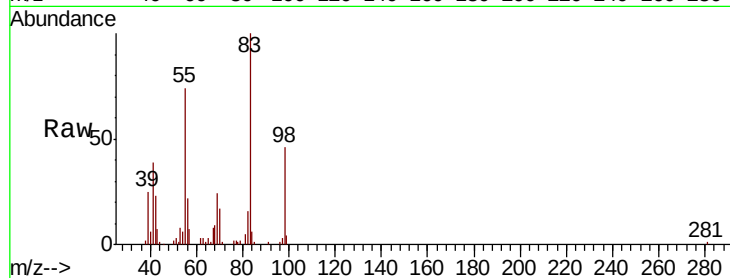
#39
Methylvlcyclohexane
Concen: 4.732 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	58.2	87.4
98	46.0	39.8	59.6

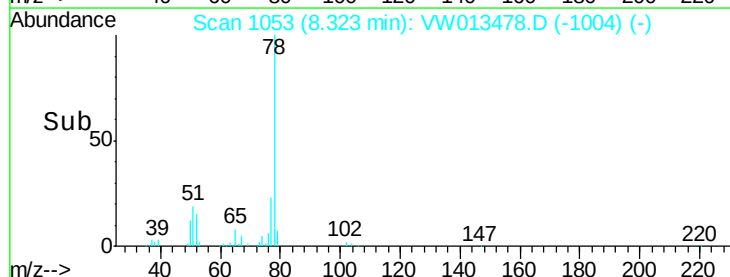
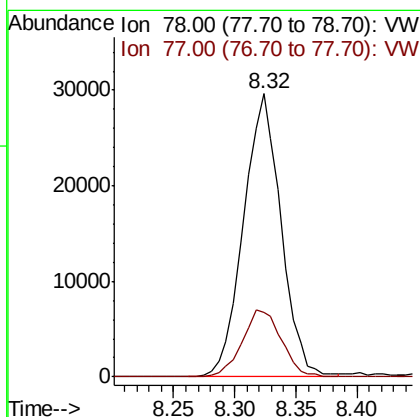
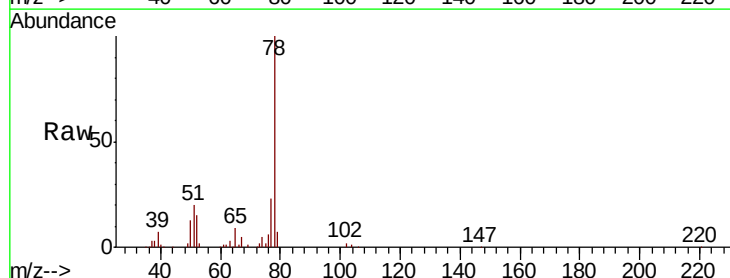
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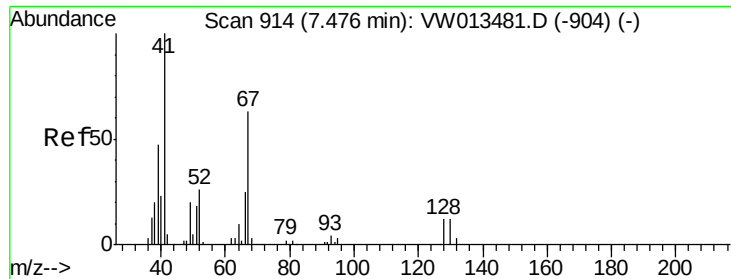
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#40
Benzene
Concen: 5.024 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.2	28.8





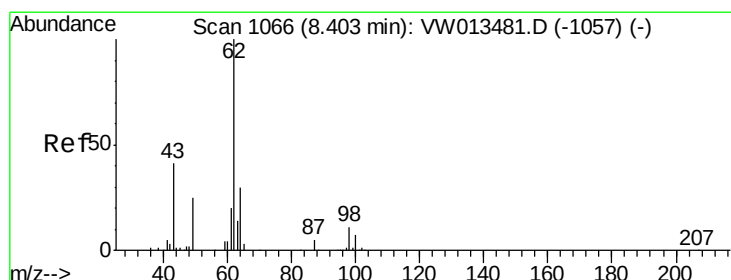
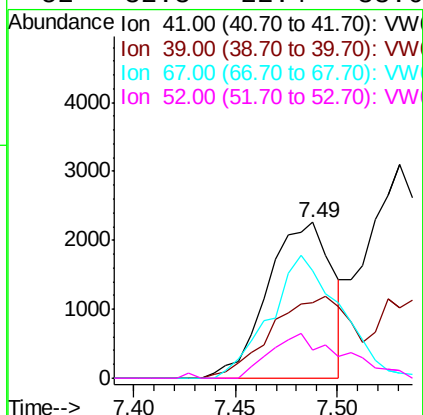
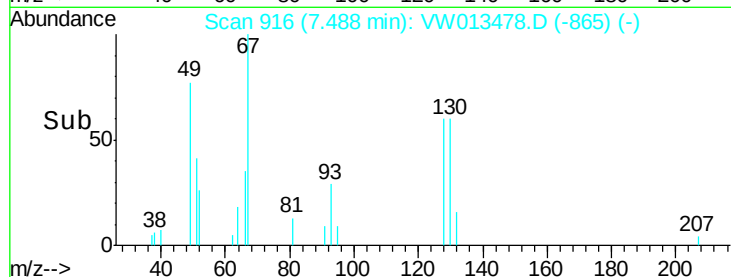
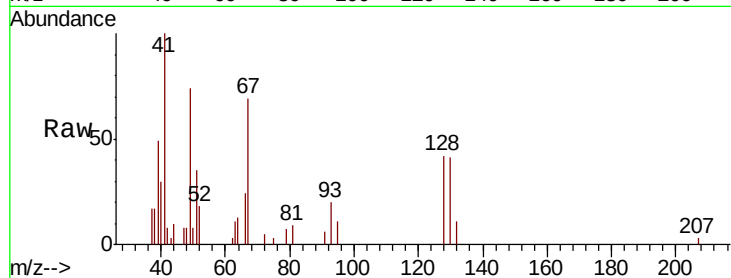
#41
Methacrylonitrile
Concen: 4.303 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.2	39.4	59.0#
67	85.3	57.0	85.6
52	32.3	22.4	33.6

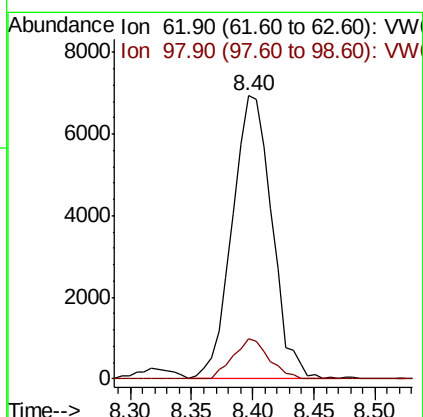
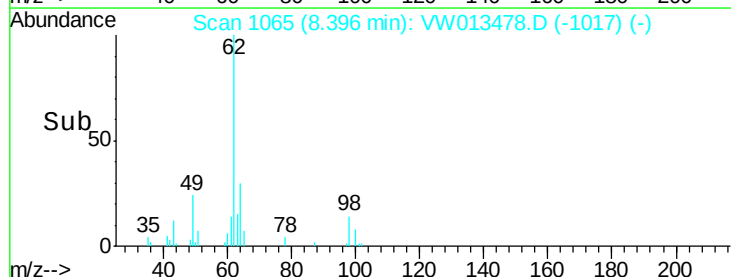
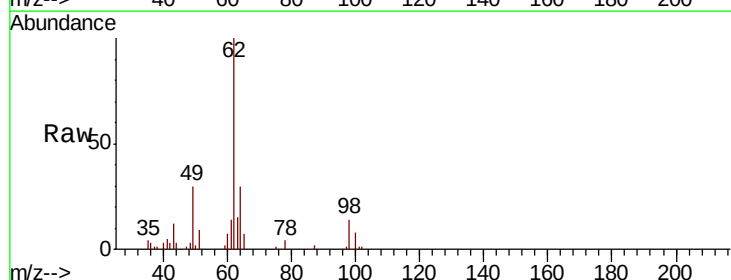
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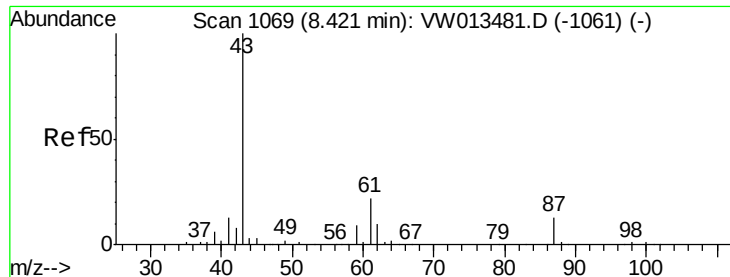
MMDadoda
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#42
1,2-Dichloroethane
Concen: 4.900 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.7	0.0	21.4





#43

Isopropyl Acetate

Concen: 4.675 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

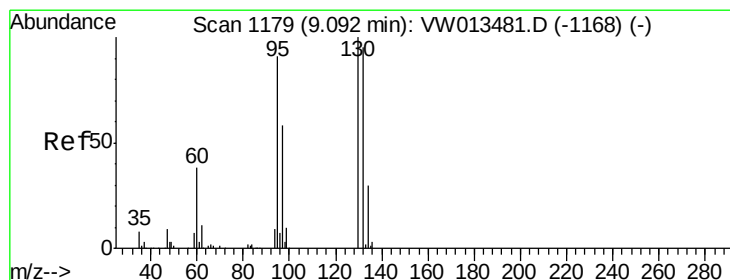
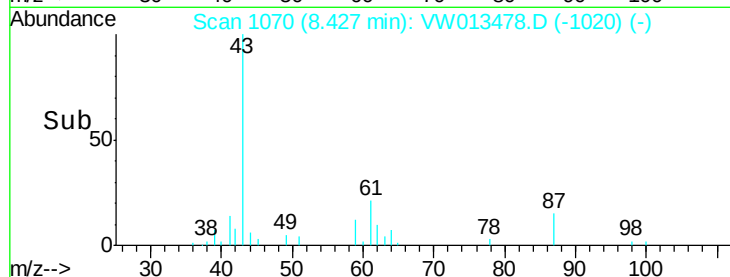
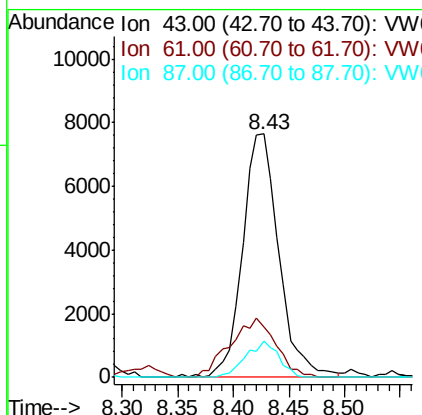
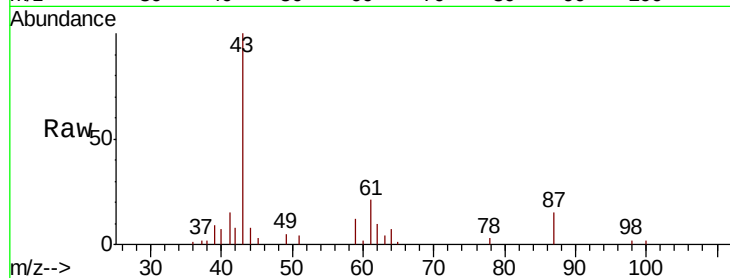
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	17315
Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.4	38.2
87	13.7	10.8	16.2

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#44

Trichloroethene

Concen: 4.903 ug/l

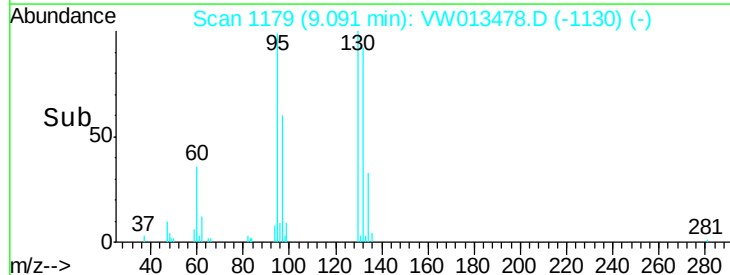
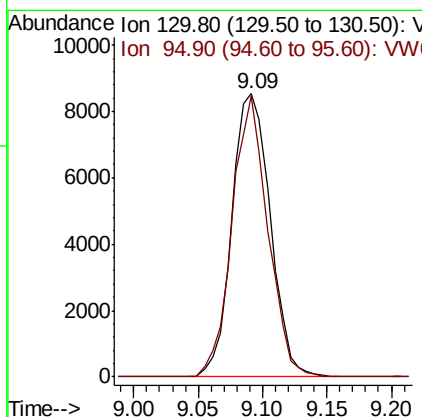
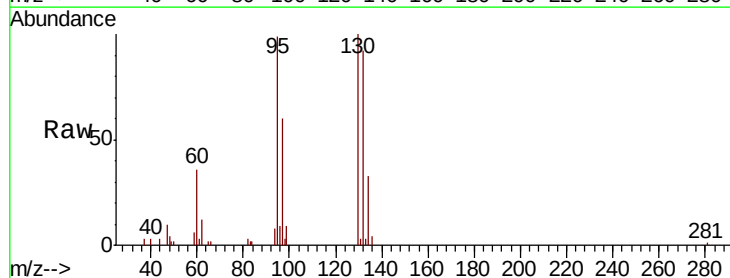
RT: 9.09 min Scan# 1179

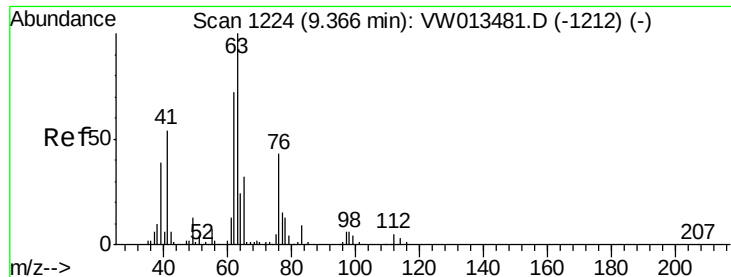
Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion:	130	Resp:	17642
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	182.2





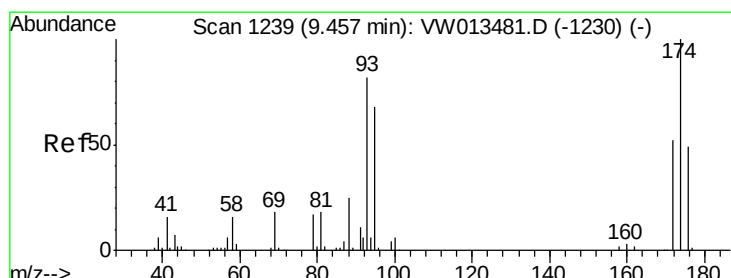
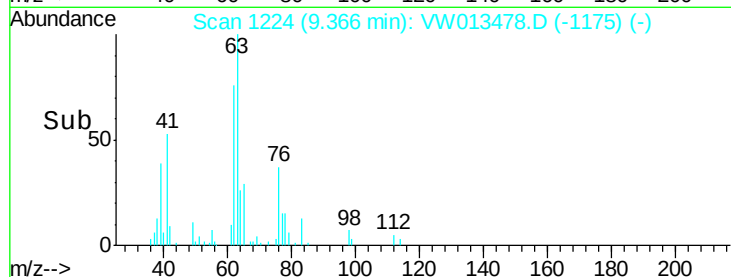
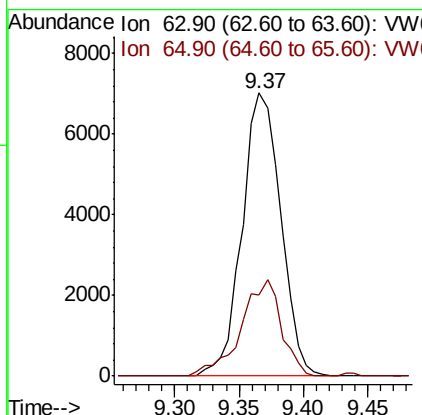
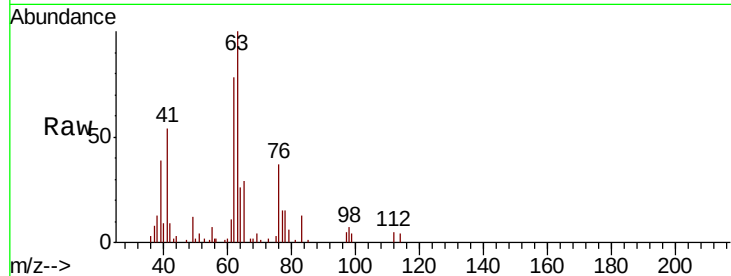
#45
 1,2-Dichloropropane
 Concen: 4.822 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 14597
 Ion Ratio Lower Upper
 63 100
 65 28.7 25.8 38.6

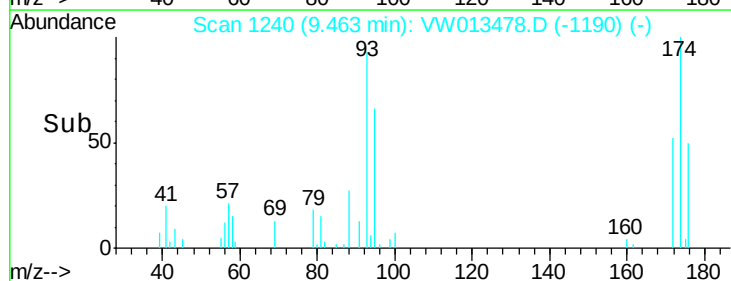
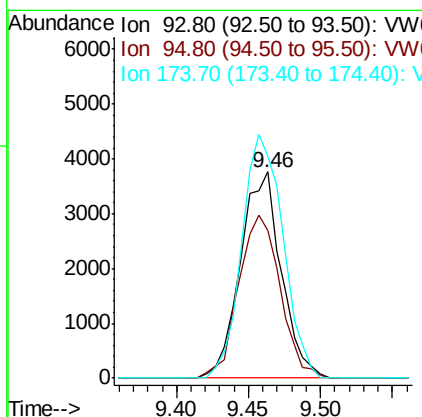
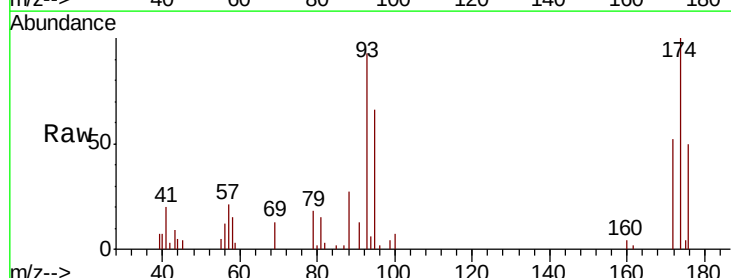
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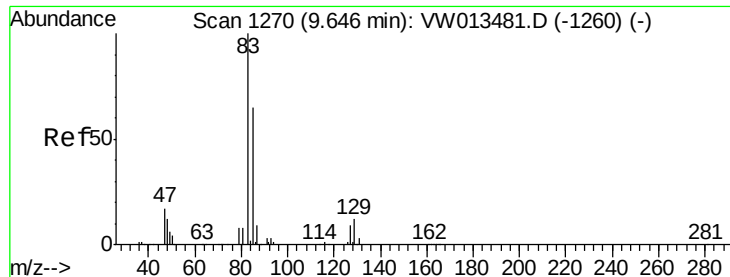
MMDadoda
 10/9/2019 4:08:33 PM



#46
 Dibromomethane
 Concen: 4.898 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion: 93 Resp: 7387
 Ion Ratio Lower Upper
 93 100
 95 80.6 68.0 102.0
 174 118.8 97.0 145.6





#47

Bromodichloromethane

Concen: 4.890 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

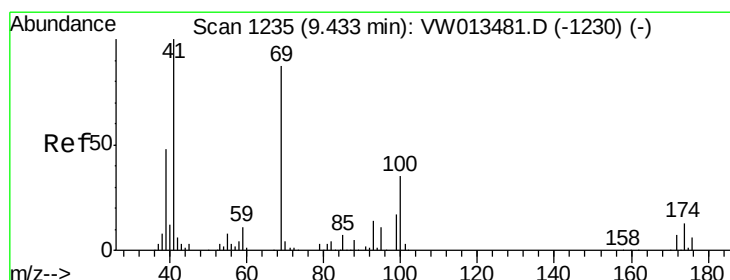
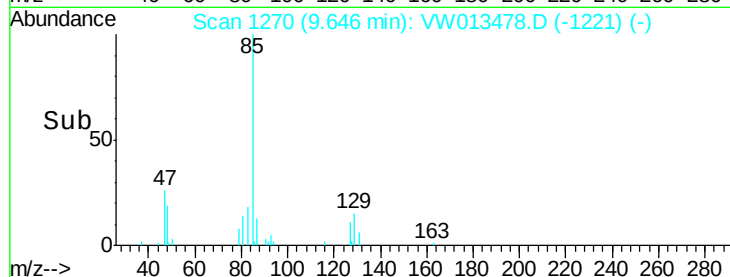
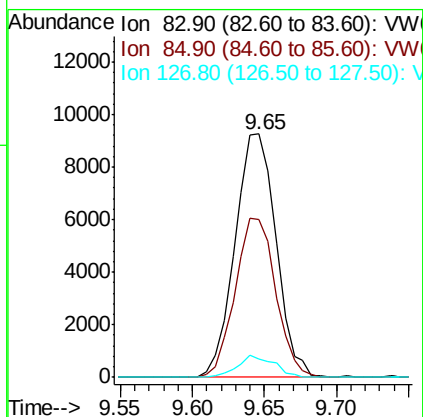
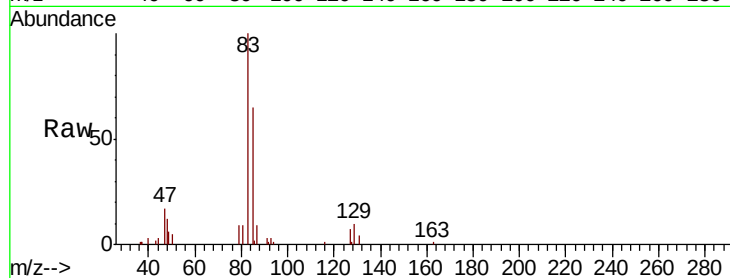
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	18331
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.9	77.9
127	7.3	7.4	11.2#

Manual Integrations
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MMDadoda
10/9/2019 4:08:33 PM



#48

Methyl methacrylate

Concen: 4.804 ug/l

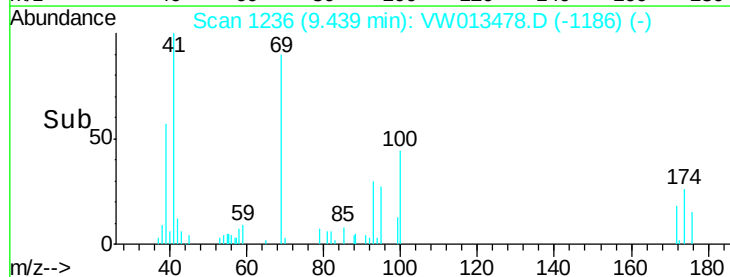
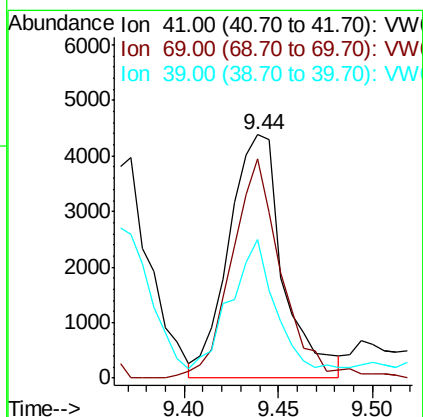
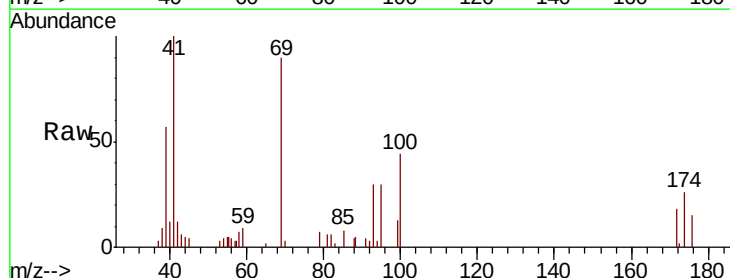
RT: 9.44 min Scan# 1236

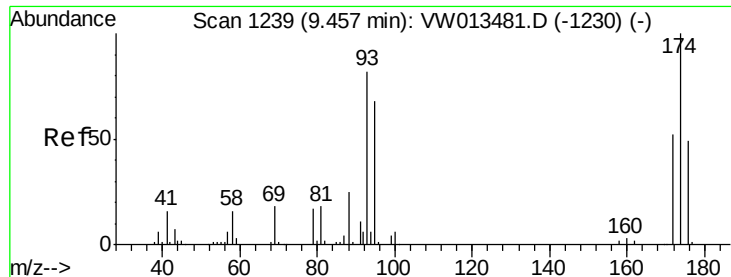
Delta R.T. 0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion:	41	Resp:	8764
Ion	Ratio	Lower	Upper
41	100		
69	82.7	70.4	105.6
39	45.0	37.3	55.9





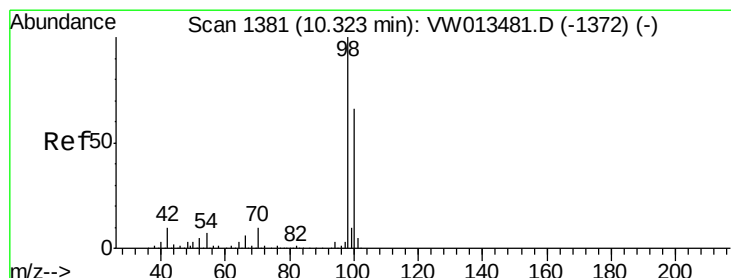
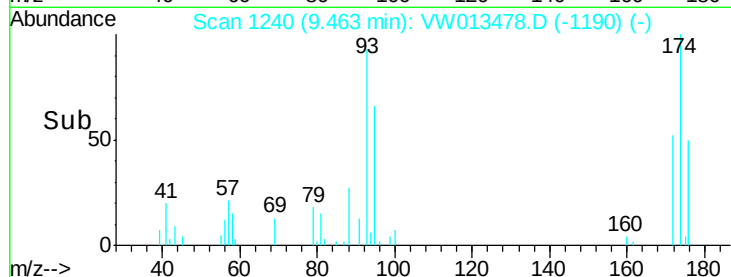
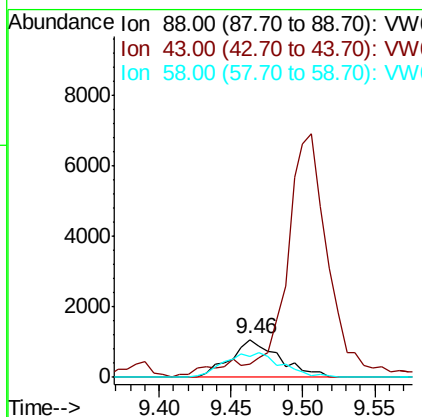
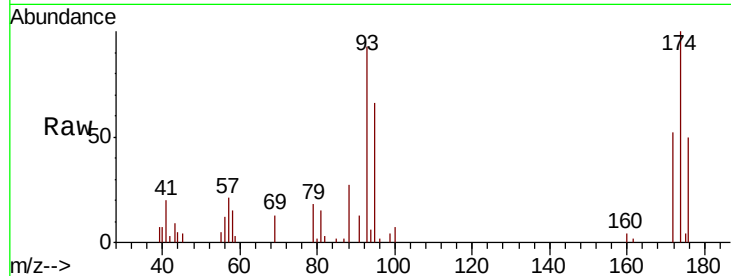
#49
1,4-Dioxane
Concen: 95.394 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	0.0	0.0#
58	76.9	60.0	90.0

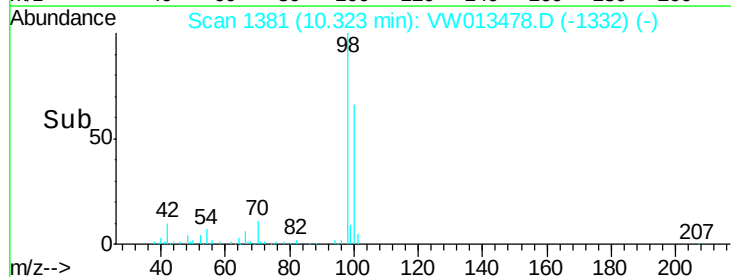
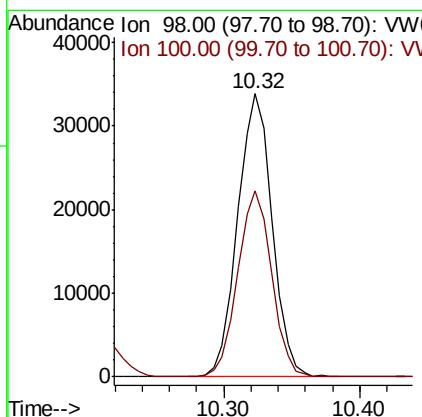
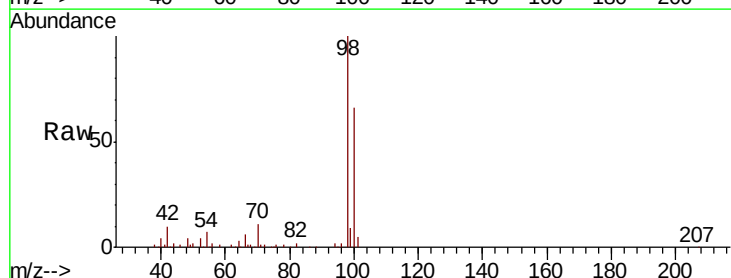
Manual Integrations
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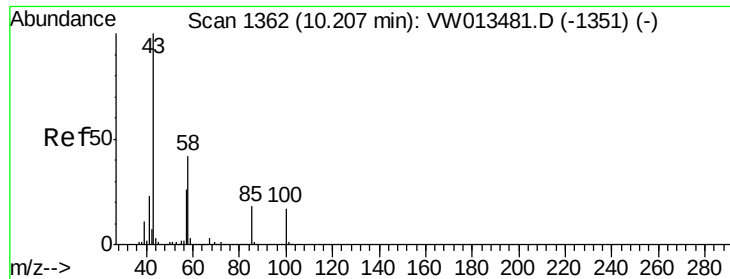
MMDadoda
10/9/2019 4:08:33 PM



#50
Toluene-d8
Concen: 5.096 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 25.045 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 48765

Ion Ratio Lower Upper

43 100

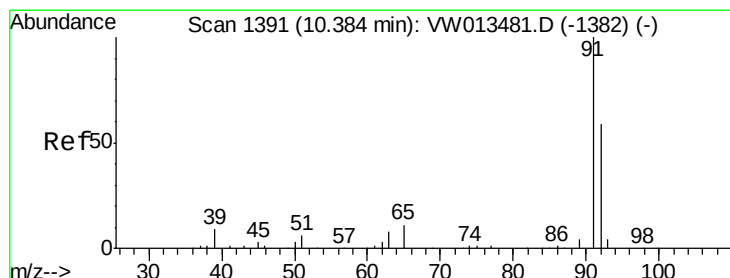
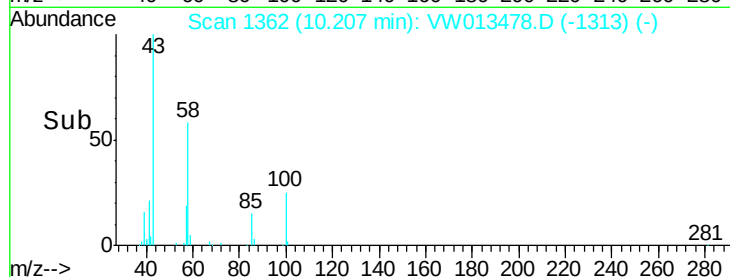
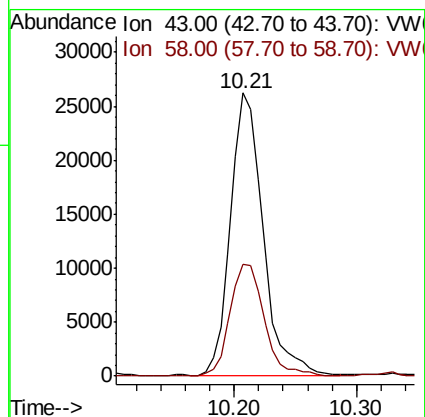
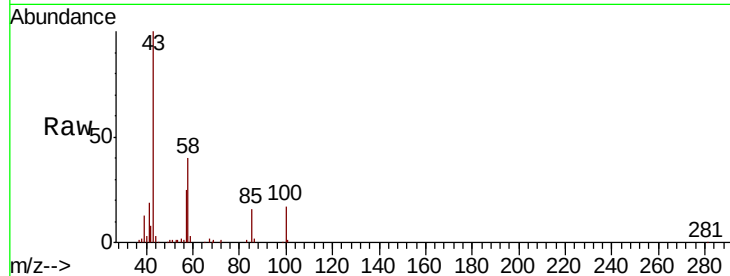
58 41.2 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 4.866 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013478.D

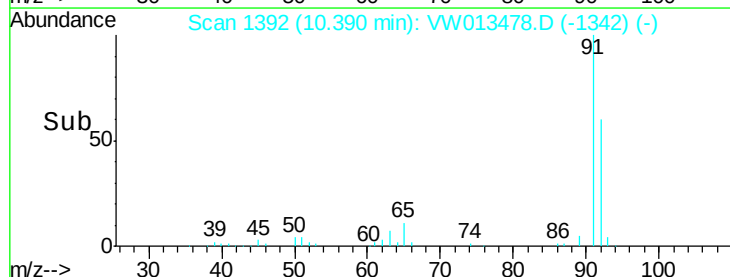
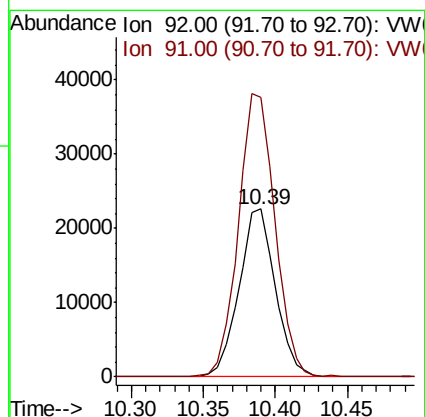
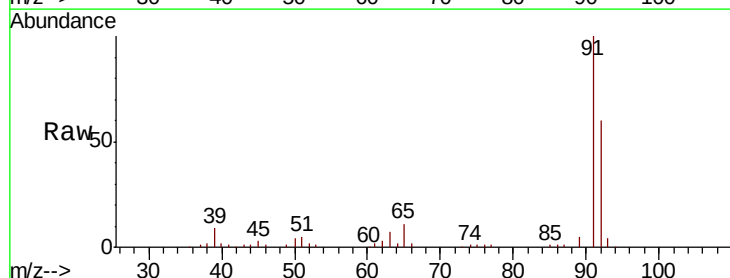
Acq: 08 Oct 2019 10:27

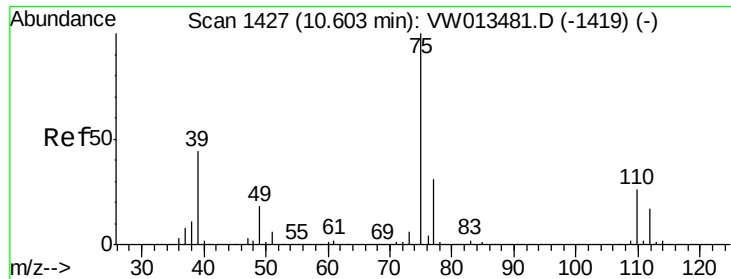
Tgt Ion: 92 Resp: 39528

Ion Ratio Lower Upper

92 100

91 170.5 134.8 202.2





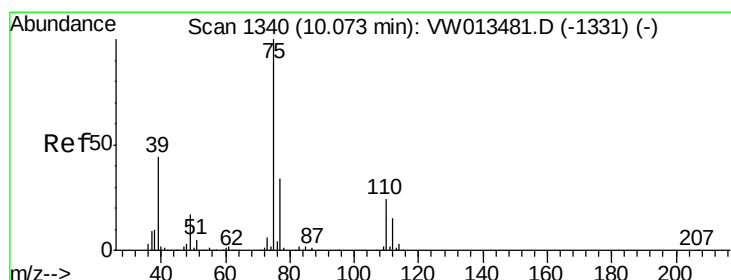
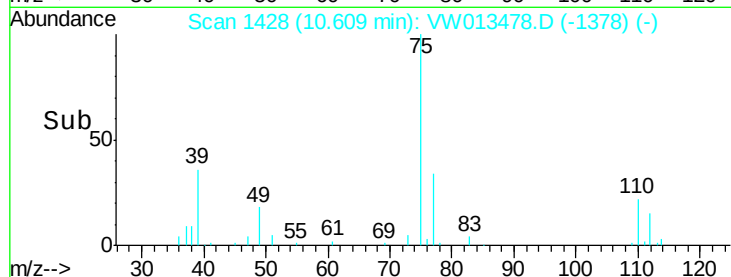
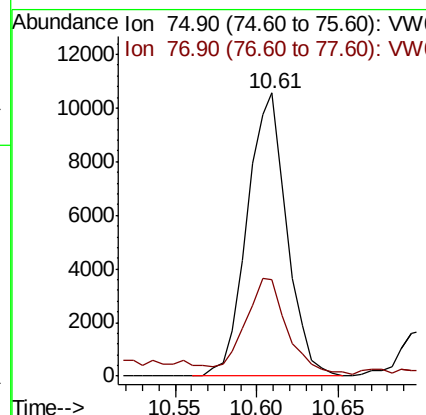
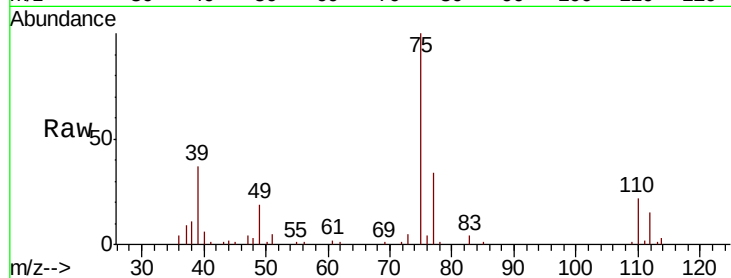
#53
 t-1,3-Dichloropropene
 Concen: 4.583 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.2	37.8

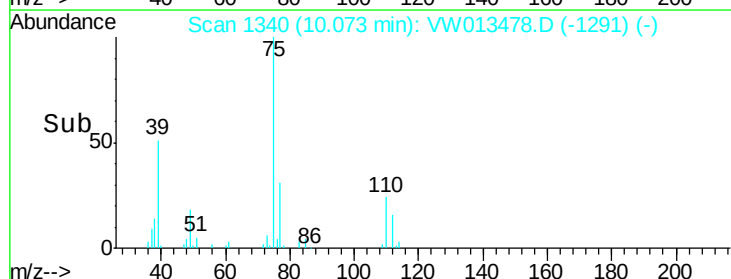
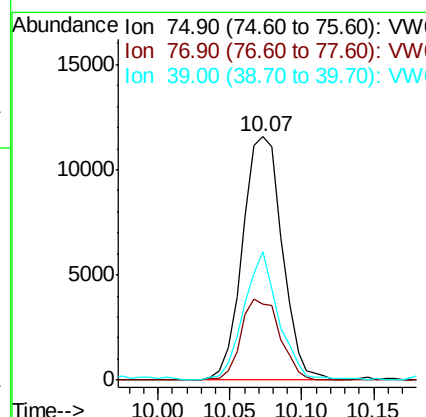
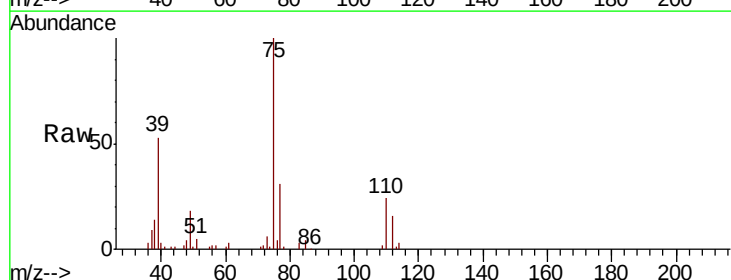
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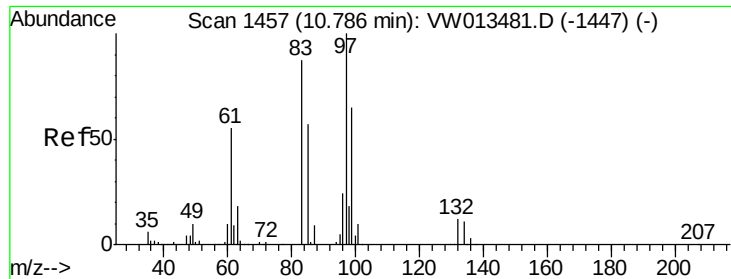
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 4.680 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	27.0	40.4
39	52.9	35.0	52.4#





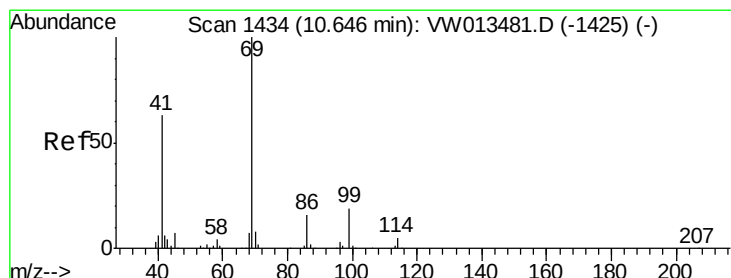
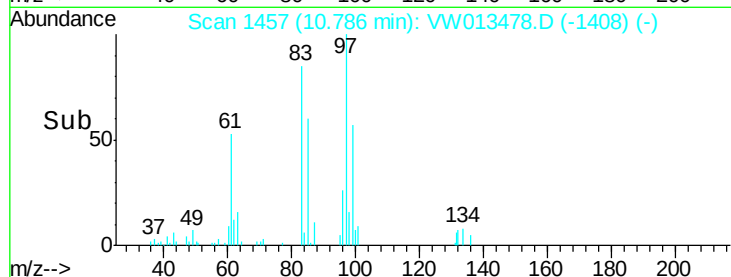
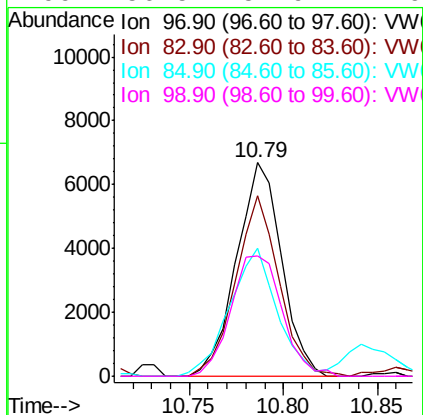
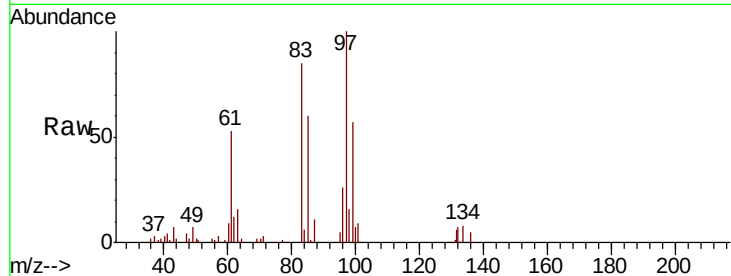
#55
 1,1,2-Trichloroethane
 Concen: 4.906 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	11106
Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.8	104.8
85	57.7	45.4	68.0
99	56.5	51.9	77.9

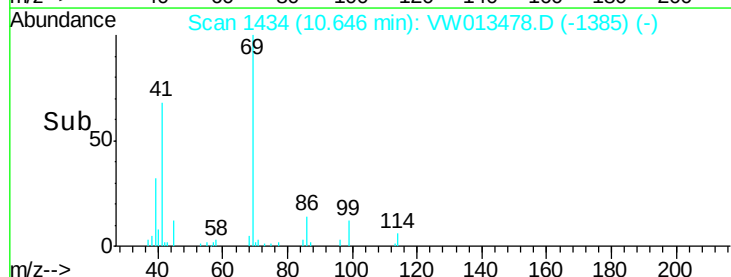
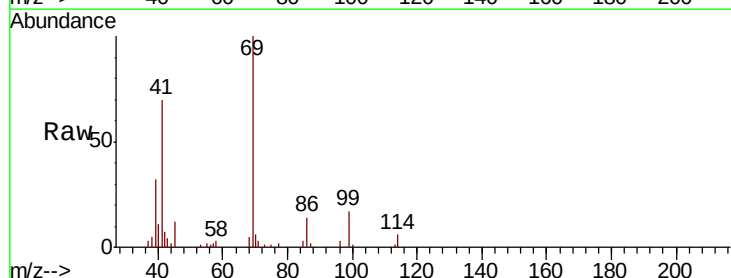
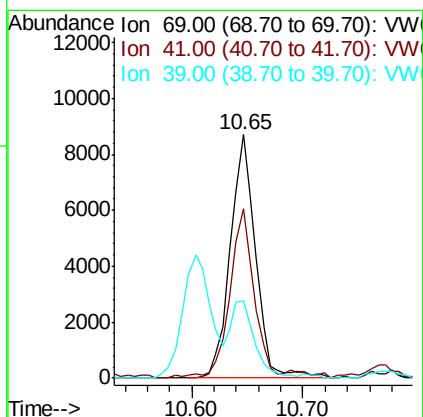
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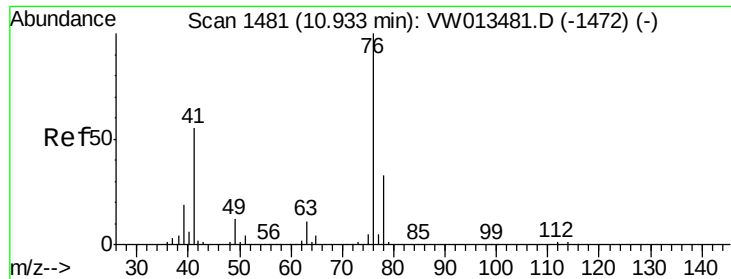
MMDadoda
 10/9/2019 4:08:33 PM



#56
 Ethyl methacrylate
 Concen: 4.488 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion:	69	Resp:	13684
Ion	Ratio	Lower	Upper
69	100		
41	66.7	51.8	77.6
39	30.8	21.7	32.5





#57

1,3-Dichloropropane

Concen: 4.867 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 18919

Ion Ratio Lower Upper

76 100

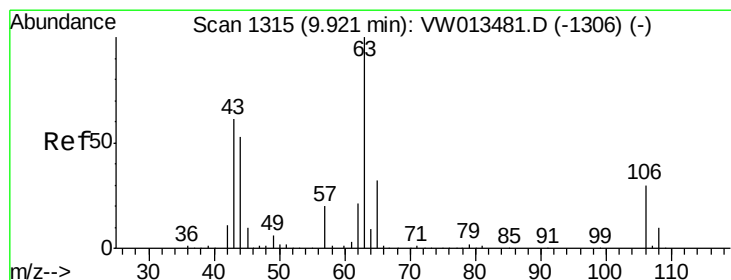
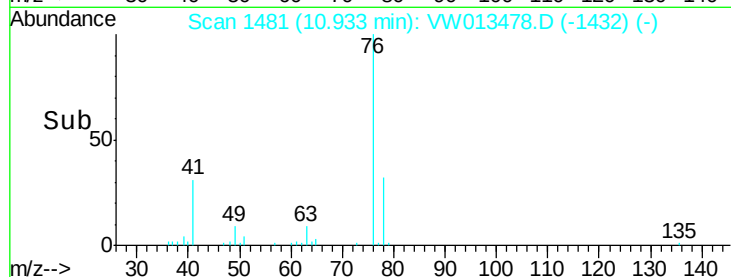
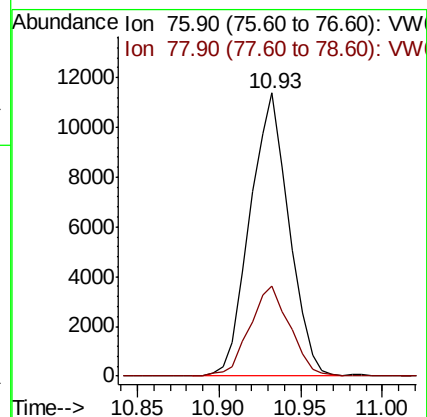
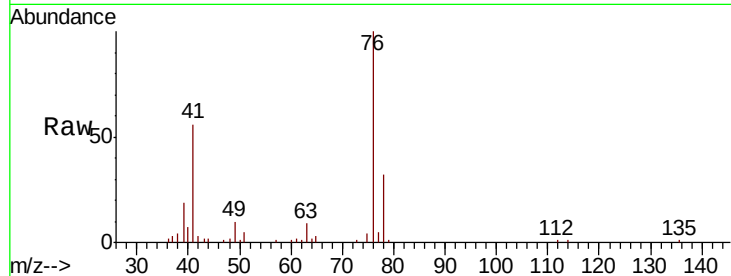
78 32.8 25.9 38.9

Manual Integrations

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10/9/2019 4:08:33 PM



#58

2-Chloroethyl Vinyl ether

Concen: 22.848 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW013478.D

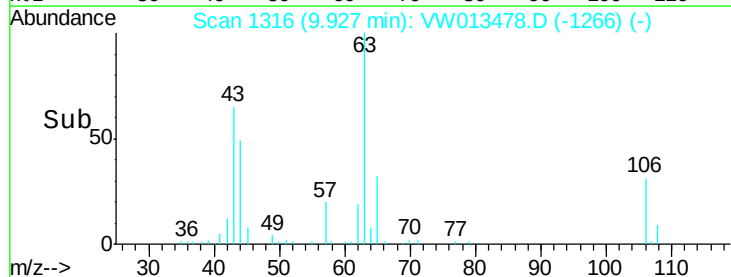
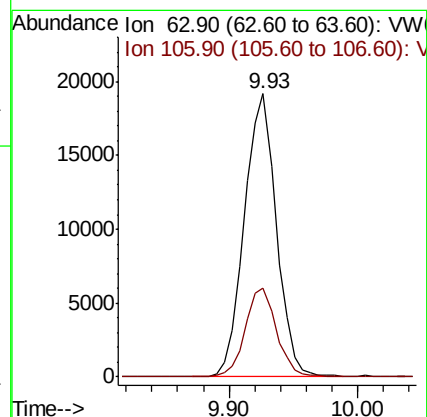
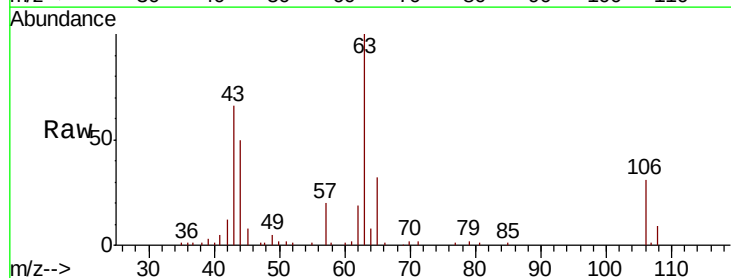
Acq: 08 Oct 2019 10:27

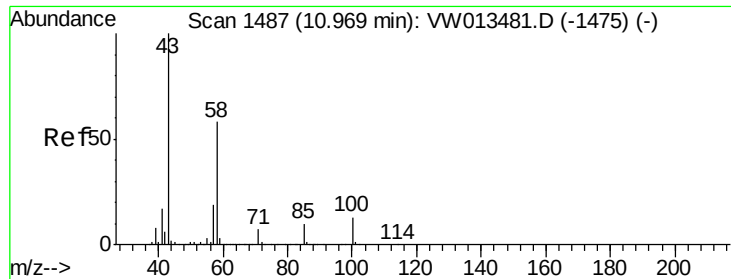
Tgt Ion: 63 Resp: 32862

Ion Ratio Lower Upper

63 100

106 30.5 24.5 36.7





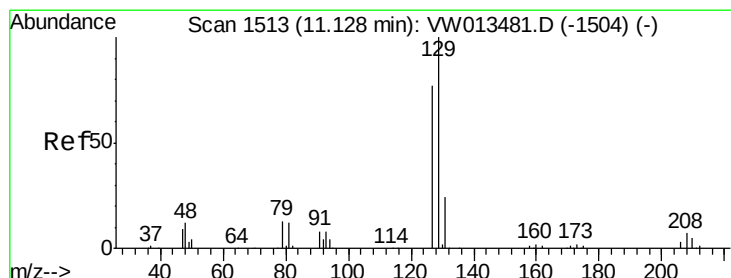
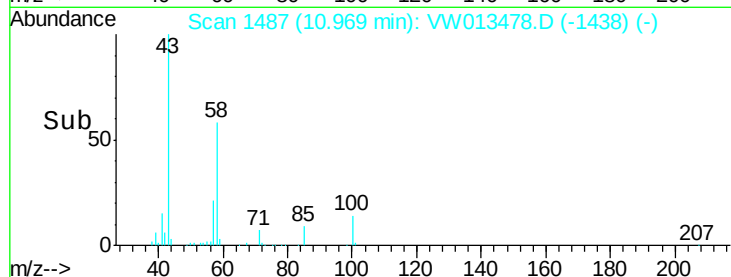
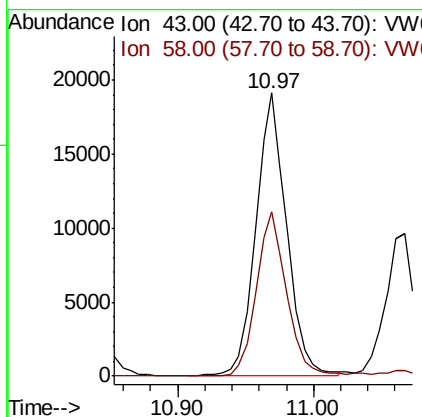
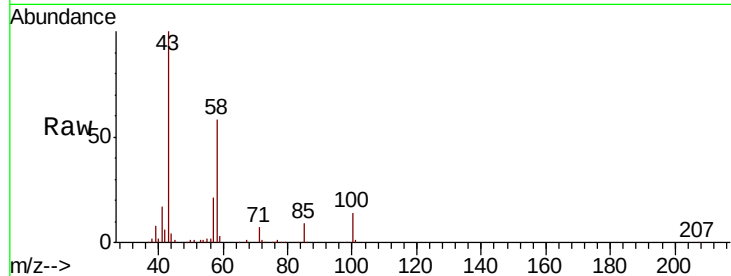
#59
2-Hexanone
Concen: 22.687 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30291
Ion Ratio Lower Upper
43 100
58 57.0 28.4 85.2

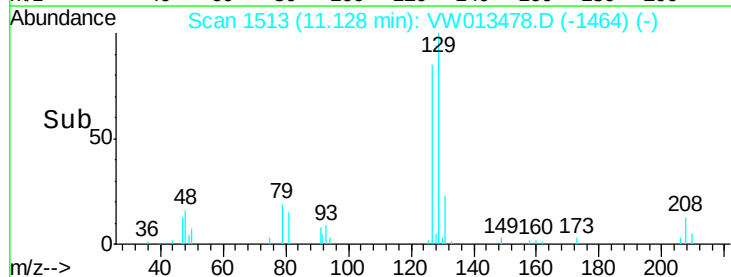
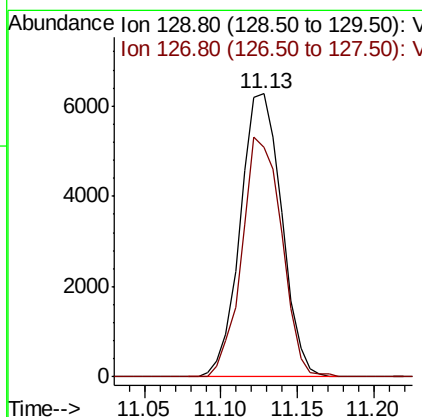
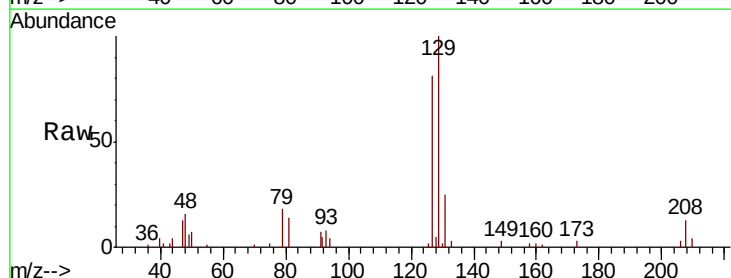
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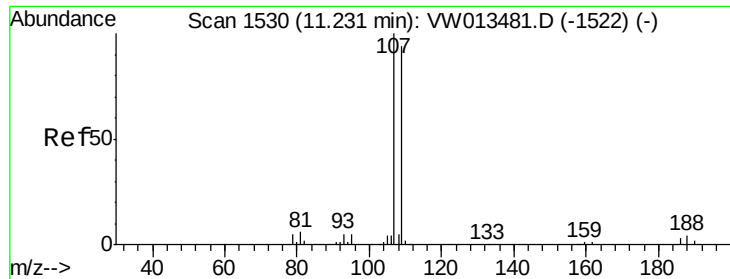
MMDadoda
10/9/2019 4:08:33 PM



#60
Dibromochloromethane
Concen: 4.536 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion: 129 Resp: 11807
Ion Ratio Lower Upper
129 100
127 81.7 37.4 112.1





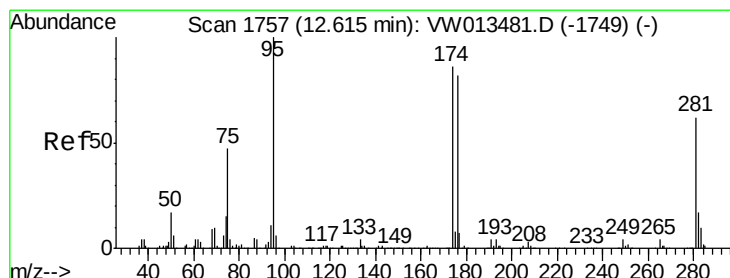
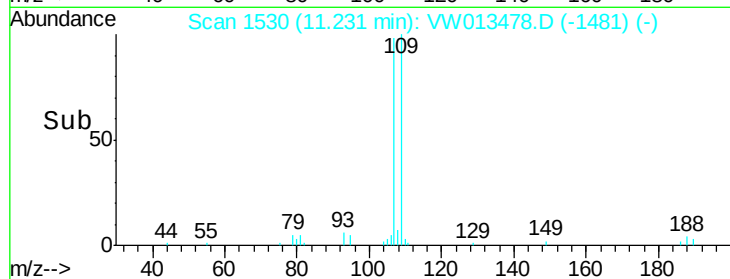
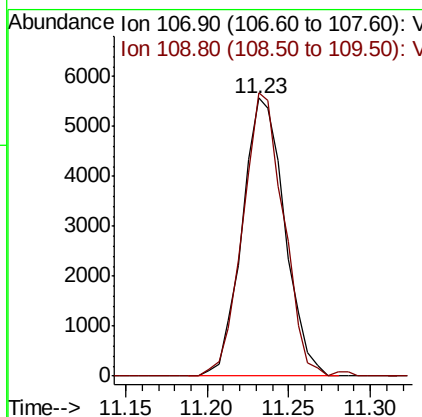
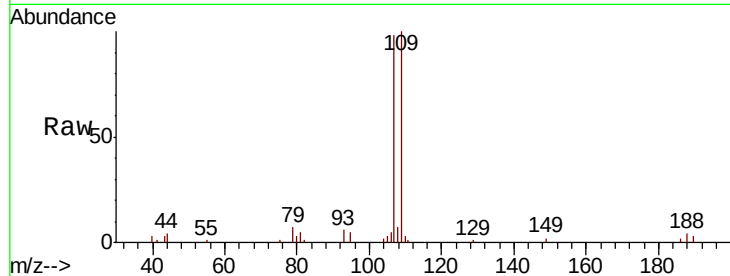
#61
 1,2-Dibromoethane
 Concen: 4.683 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.4	76.6	115.0

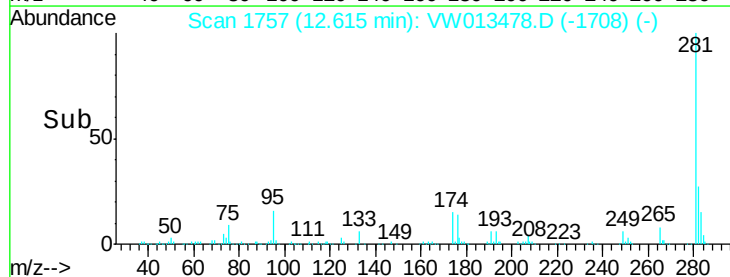
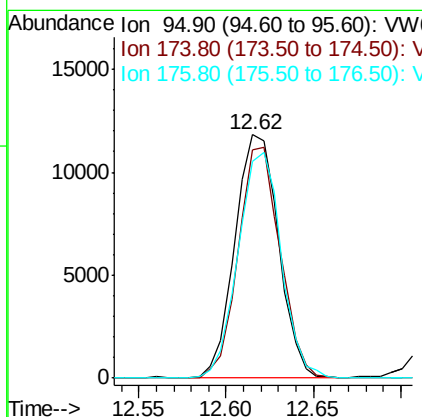
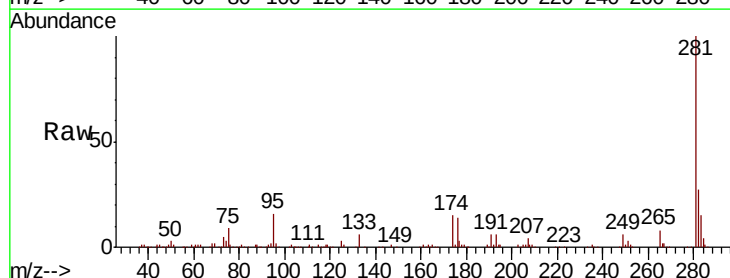
Manual Integrations
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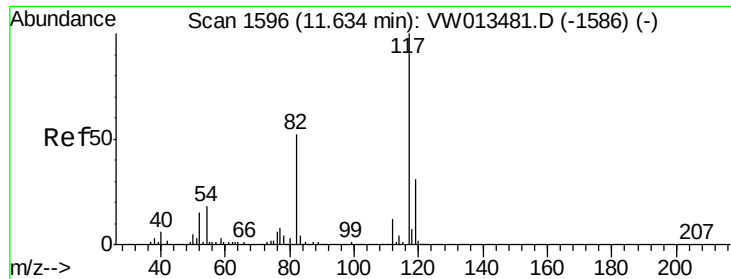
MMDadoda
 10/9/2019 4:08:33 PM



#62
 4-Bromofluorobenzene
 Concen: 5.211 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	177.4
176	91.6	0.0	173.4





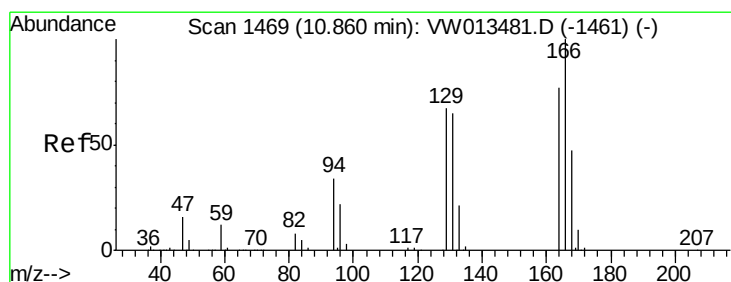
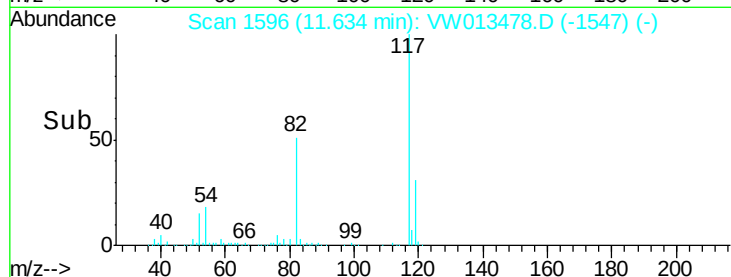
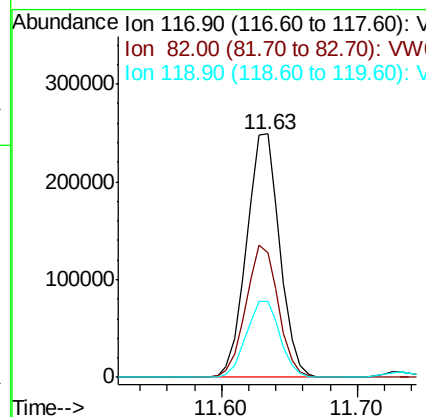
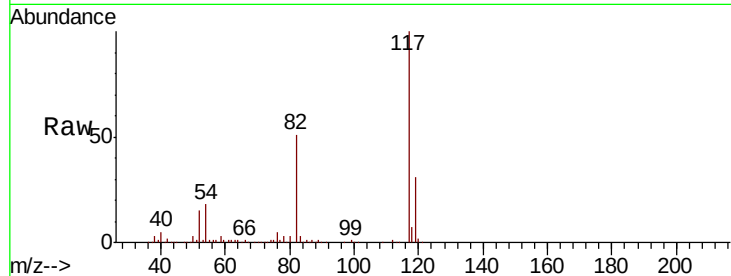
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.4	62.2
119	31.3	25.1	37.7

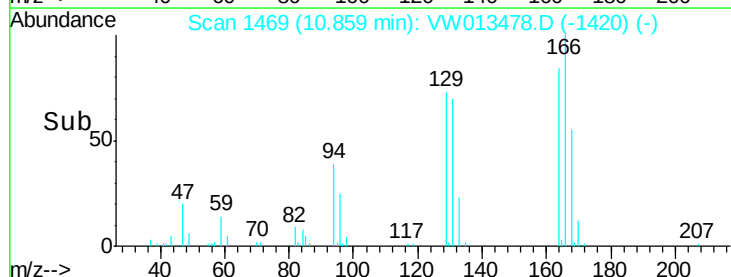
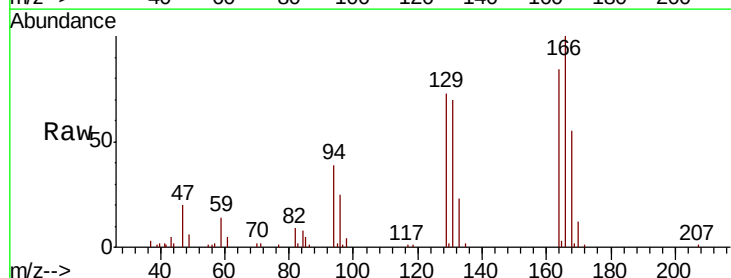
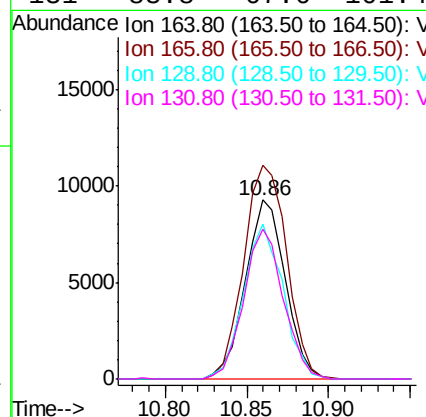
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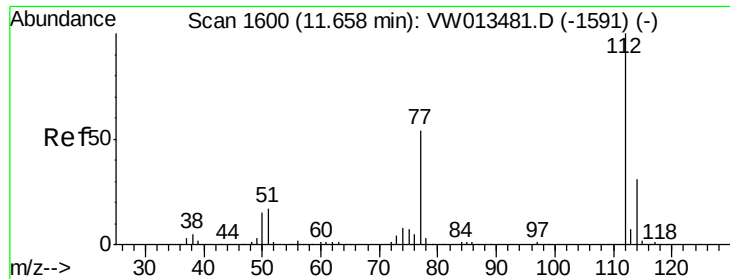
MMDadoda
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#64
Tetrachloroethene
Concen: 5.075 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.3	104.6	156.8
129	86.7	70.2	105.2
131	83.8	67.6	101.4





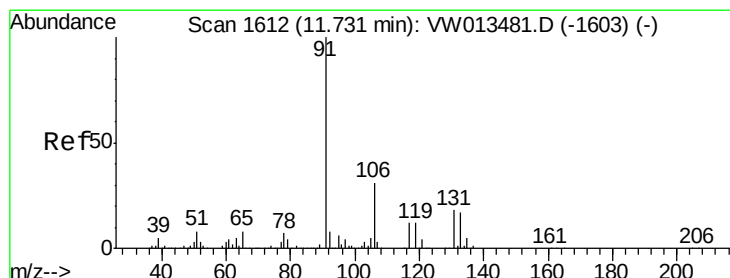
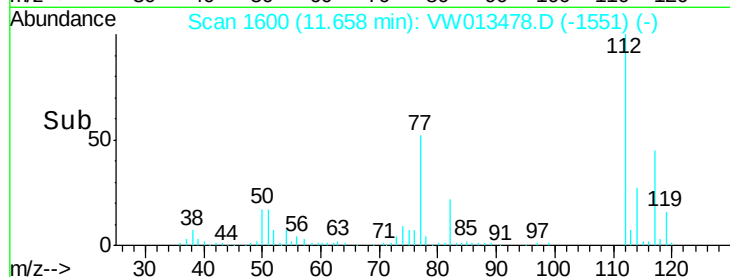
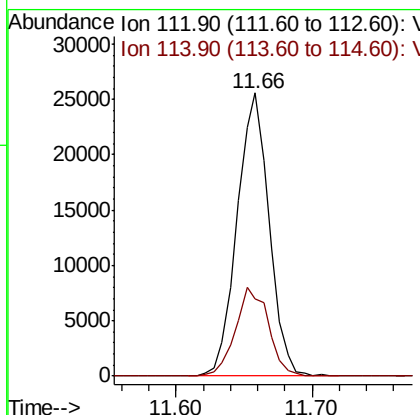
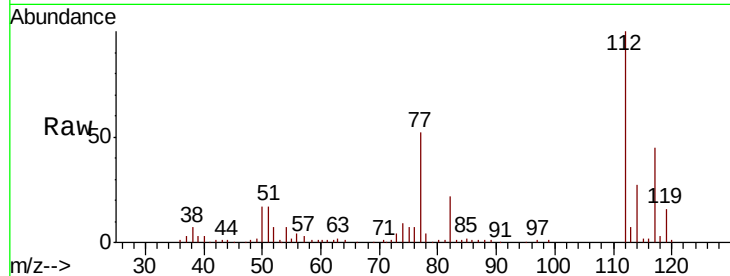
#65
Chlorobenzene
Concen: 4.965 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 41966
Ion Ratio Lower Upper
112 100
114 27.1 24.6 37.0

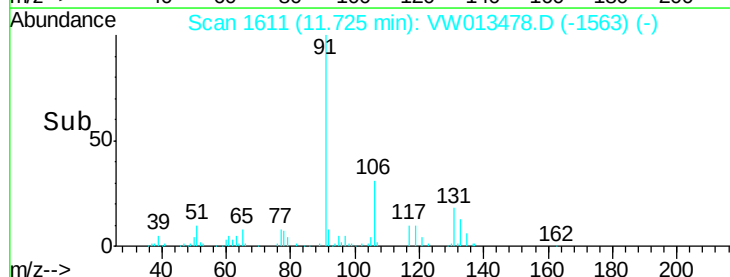
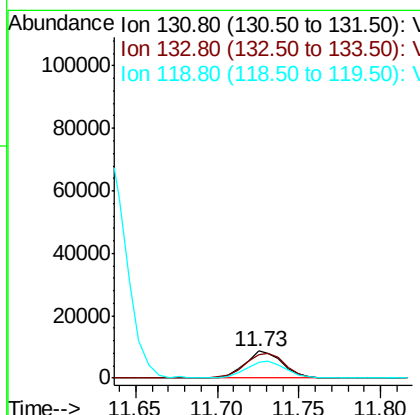
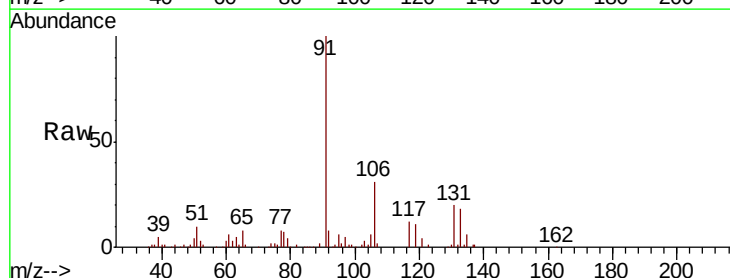
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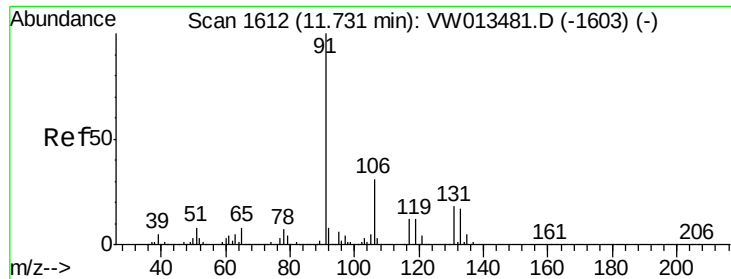
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.737 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion:131 Resp: 13908
Ion Ratio Lower Upper
131 100
133 98.9 47.6 142.9
119 65.3 32.6 98.0





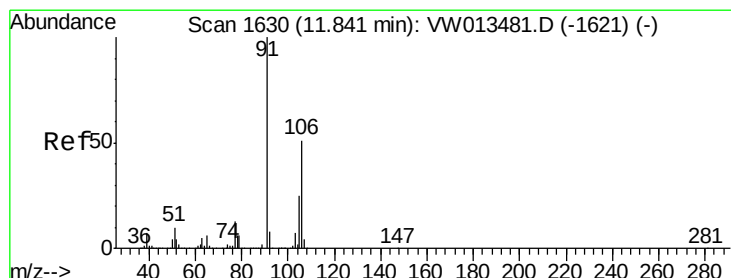
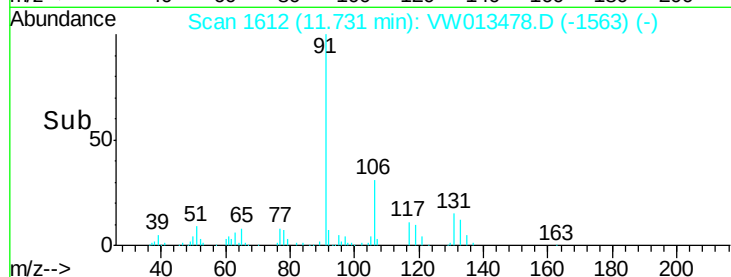
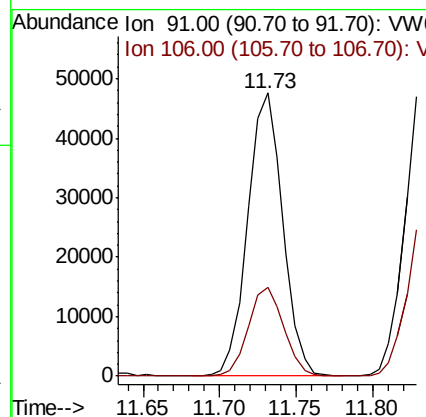
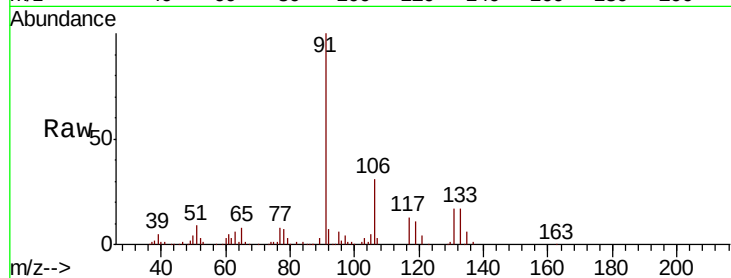
#67
Ethyl Benzene
Concen: 4.910 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 75843
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2

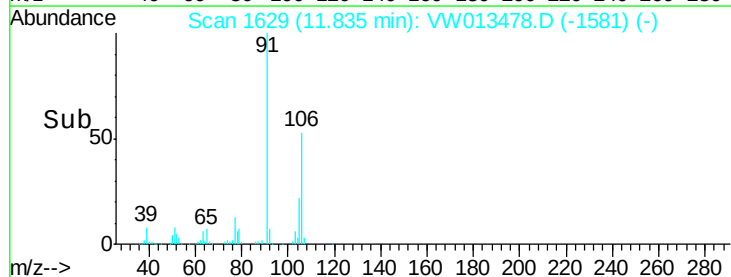
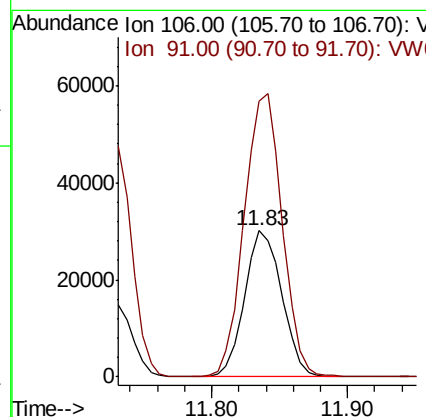
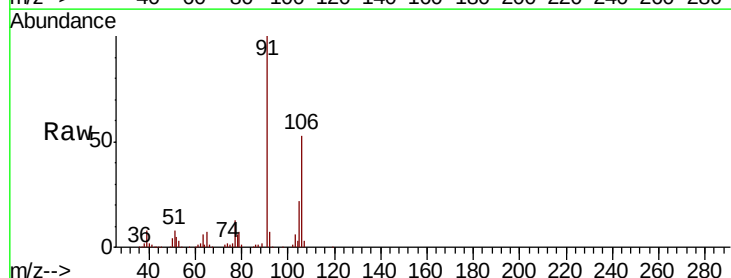
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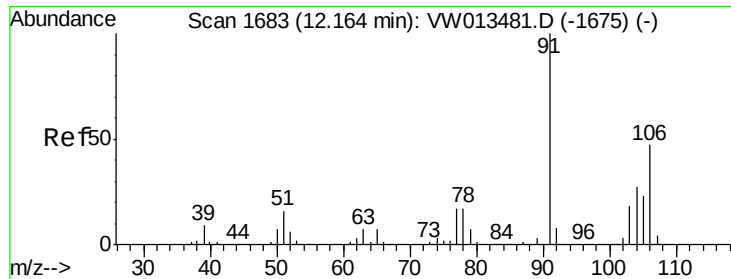
MMDadoda
10/9/2019 4:08:33 PM



#68
m/p-Xylenes
Concen: 9.829 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion: 106 Resp: 57773
Ion Ratio Lower Upper
106 100
91 197.3 156.2 234.4





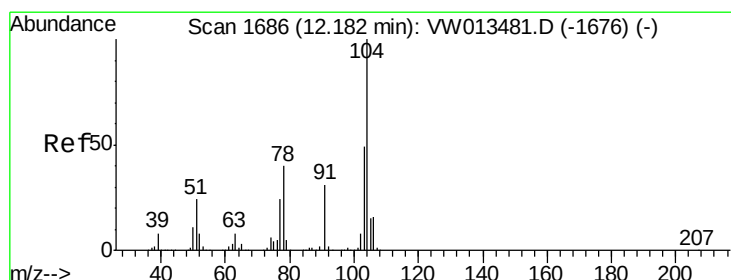
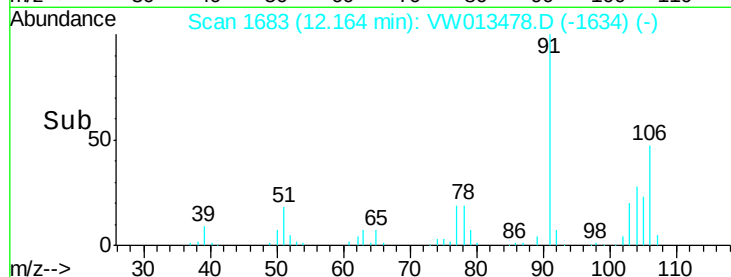
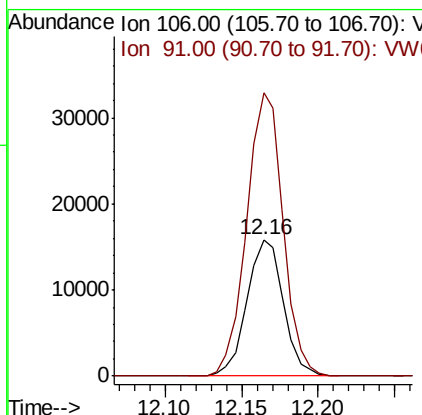
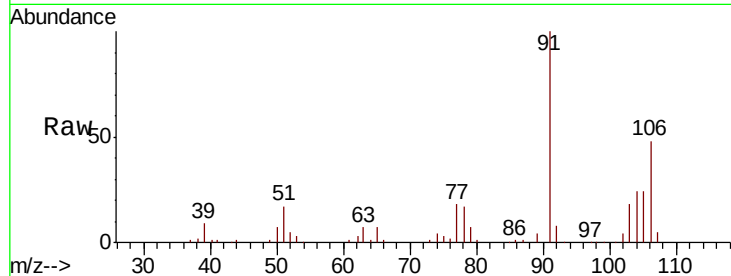
#69
o-Xylene
Concen: 4.808 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.5	105.0	315.0	

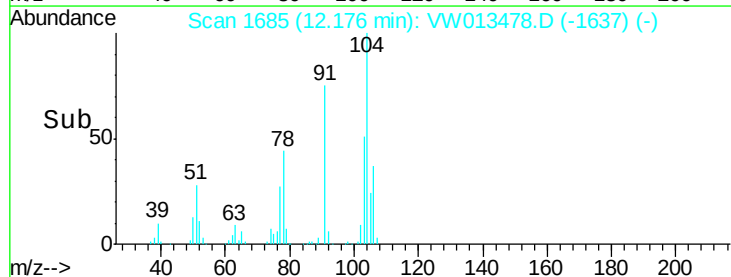
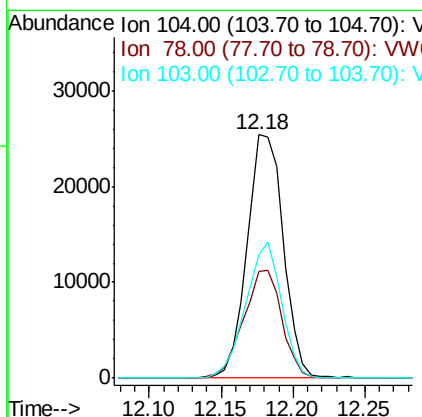
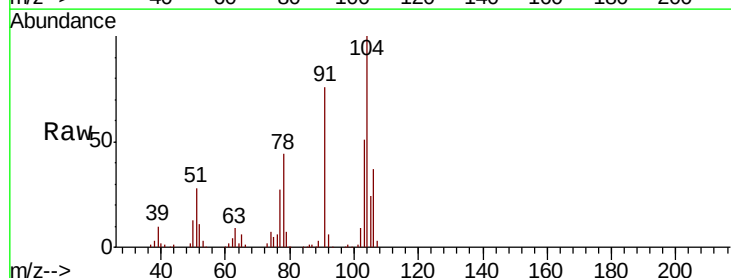
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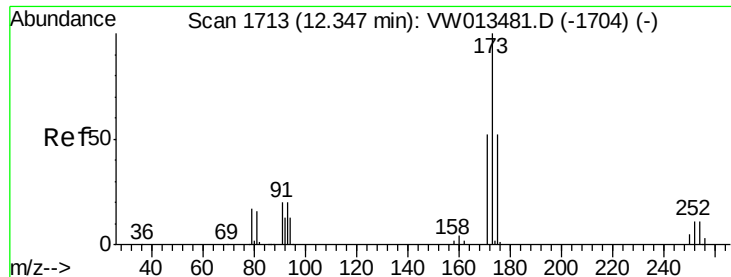
MMDadoda
10/9/2019 4:08:33 PM



#70
Styrene
Concen: 4.734 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.2	37.1	55.7	
103	55.6	43.2	64.8	





#71

Bromoform

Concen: 4.466 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

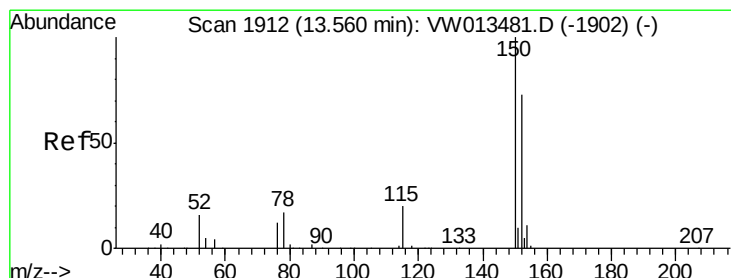
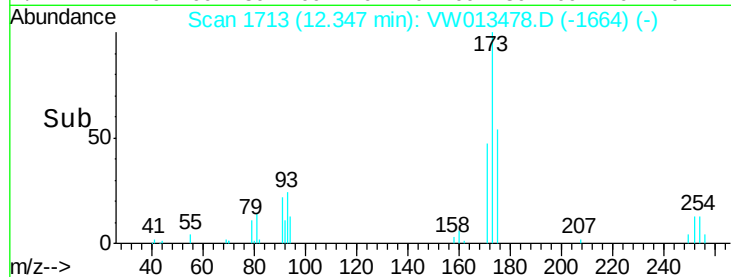
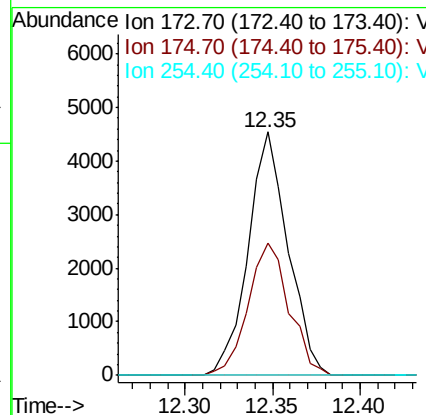
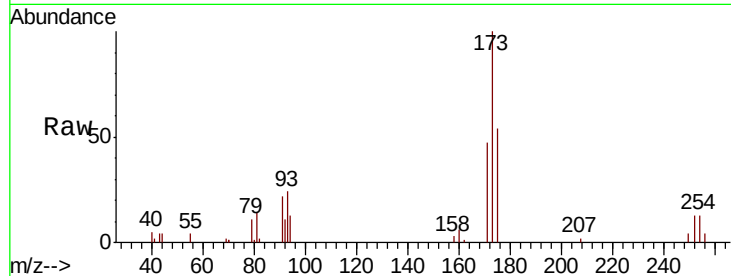
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	56.1	24.4	73.4
254	0.0	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

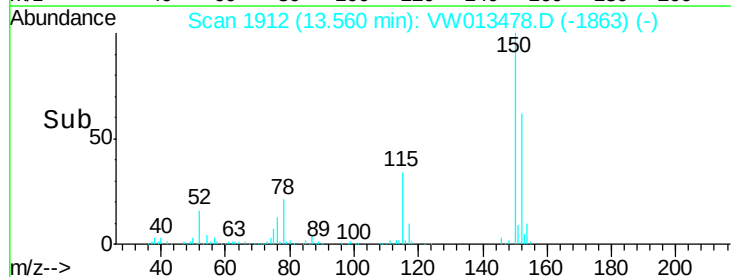
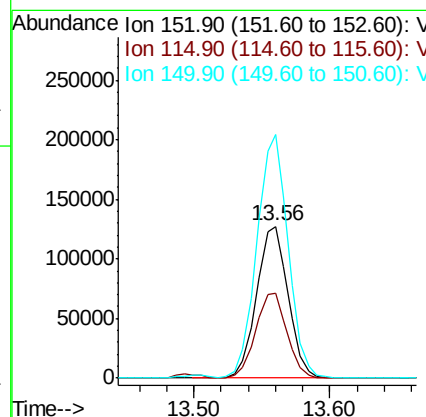
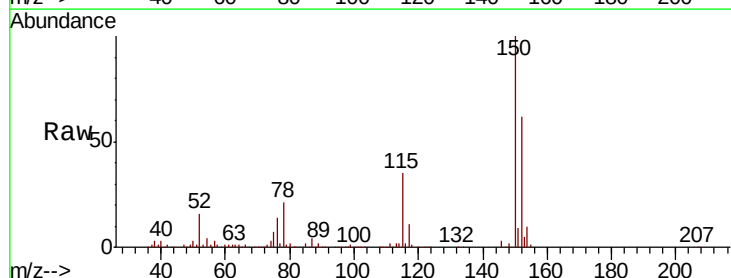
RT: 13.56 min Scan# 1912

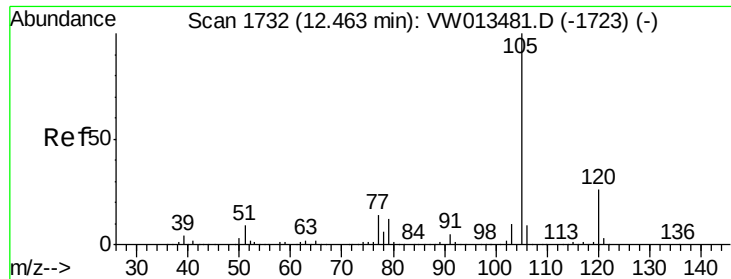
Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.0	81.0
150	159.2	0.0	337.4





#73

Isopropylbenzene

Concen: 4.818 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 71278

Ion Ratio Lower Upper

105 100

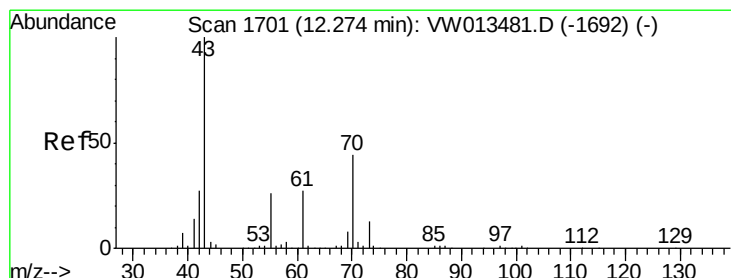
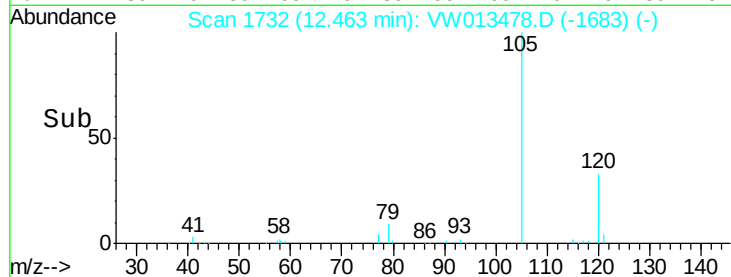
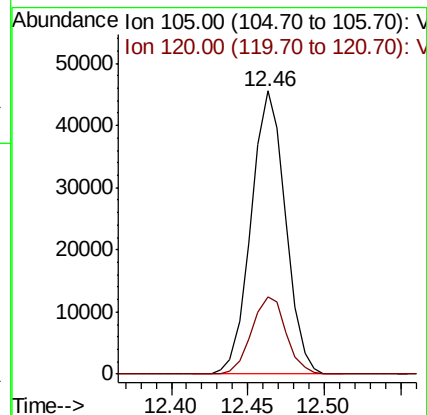
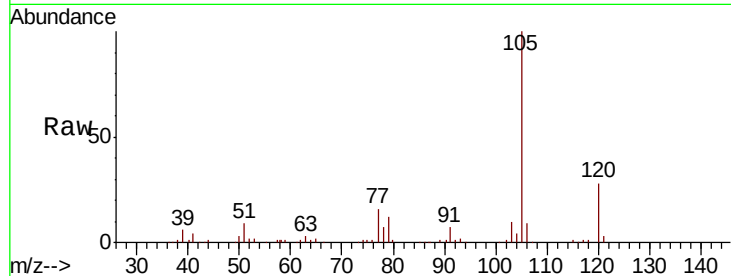
120 27.4 13.5 40.5

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#74

N-ethyl acetate

Concen: 4.715 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion: 43 Resp: 15255

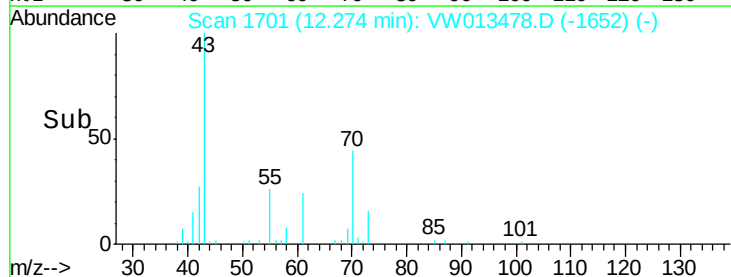
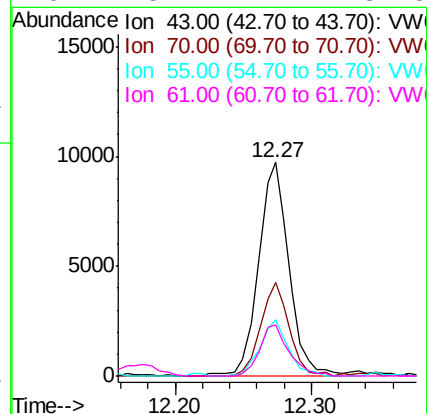
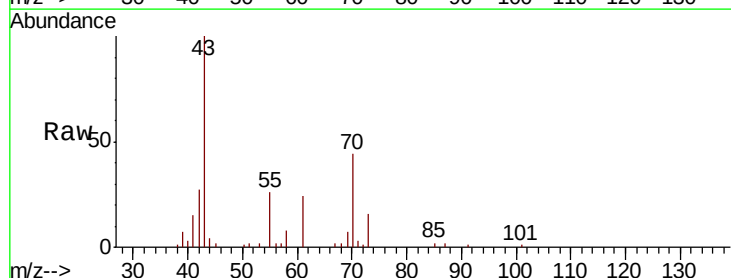
Ion Ratio Lower Upper

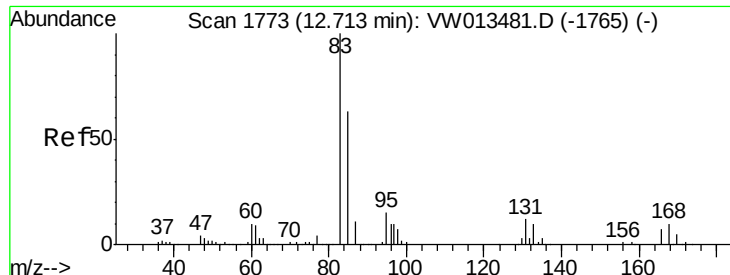
43 100

70 40.8 35.3 52.9

55 24.4 20.0 30.0

61 23.2 21.2 31.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.073 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

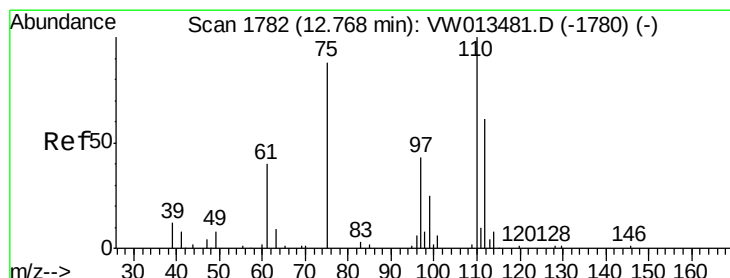
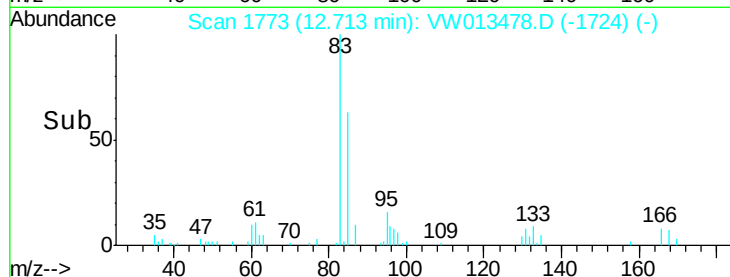
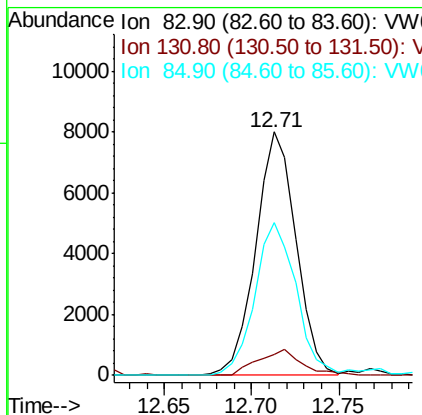
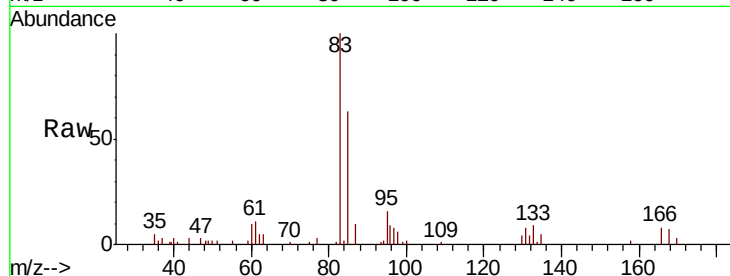
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	12793
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.9	17.7
85	65.0	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.823 ug/l m

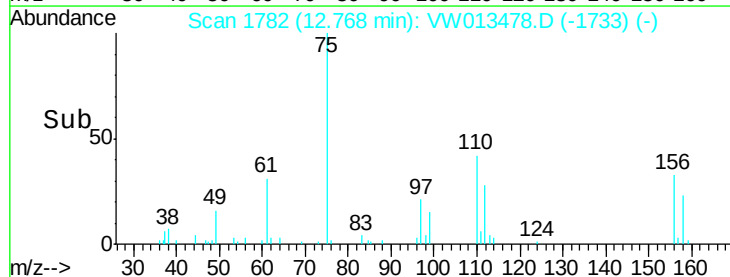
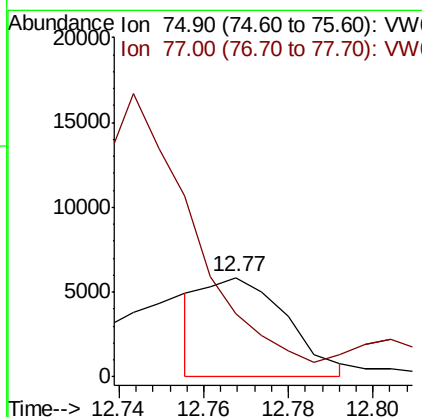
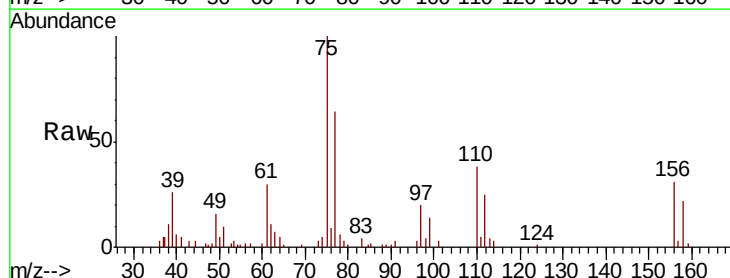
RT: 12.77 min Scan# 1782

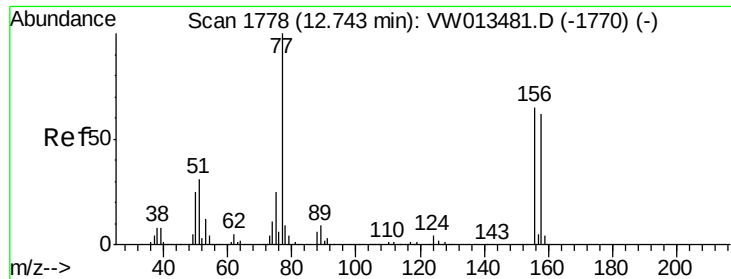
Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion:	75	Resp:	8000
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.041 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 17678

Ion Ratio Lower Upper

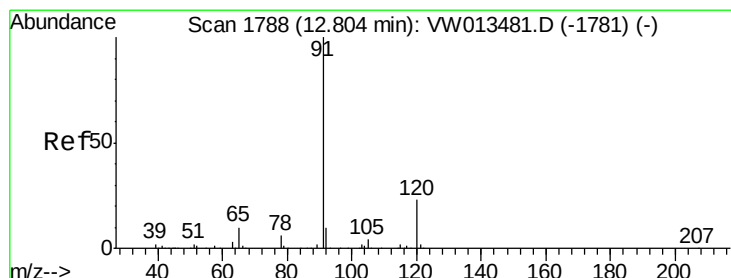
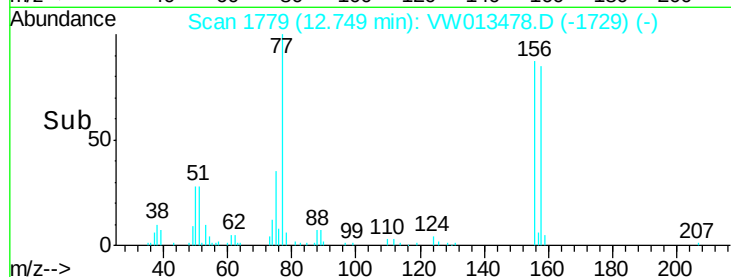
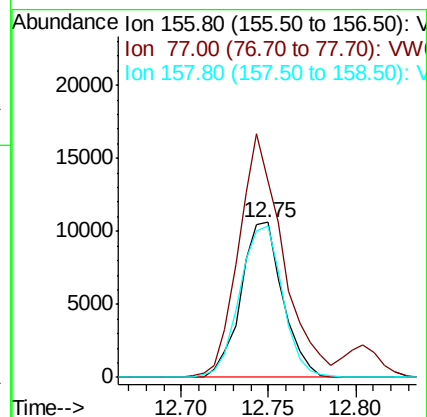
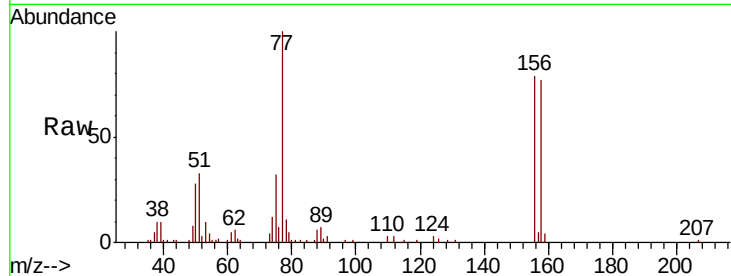
156 100

77 165.9 83.7 251.0

158 99.7 49.0 147.0

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#78

n-propylbenzene

Concen: 4.957 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013478.D

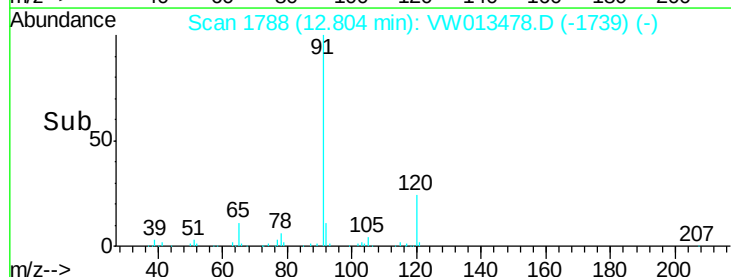
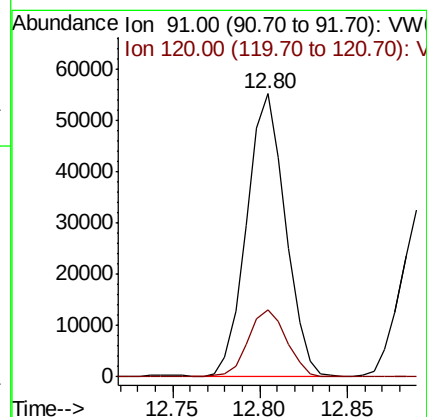
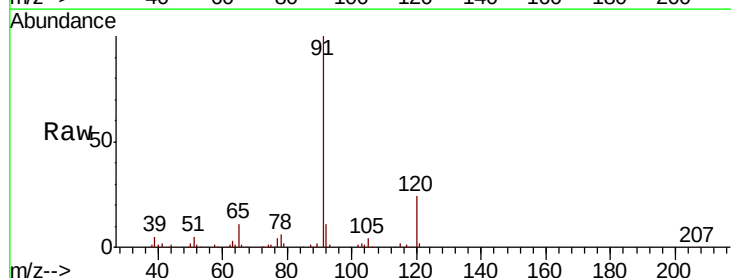
Acq: 08 Oct 2019 10:27

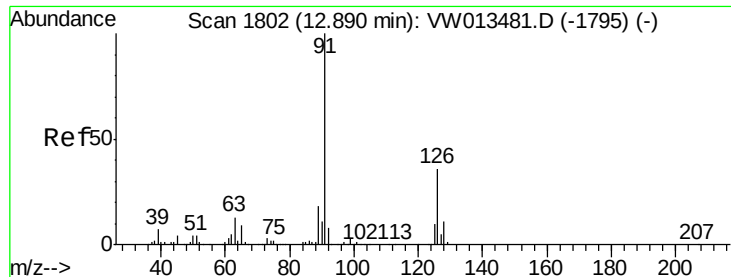
Tgt Ion: 91 Resp: 84801

Ion Ratio Lower Upper

91 100

120 23.5 11.7 35.1





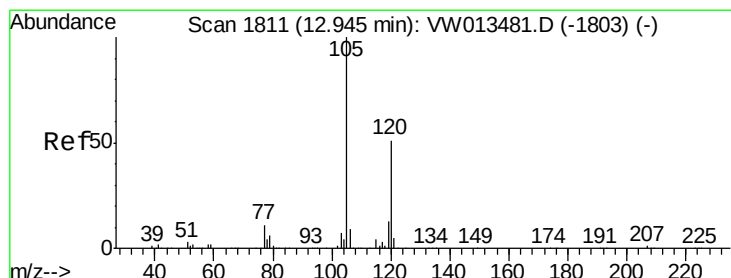
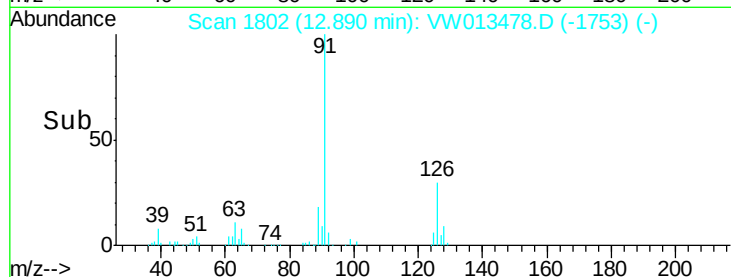
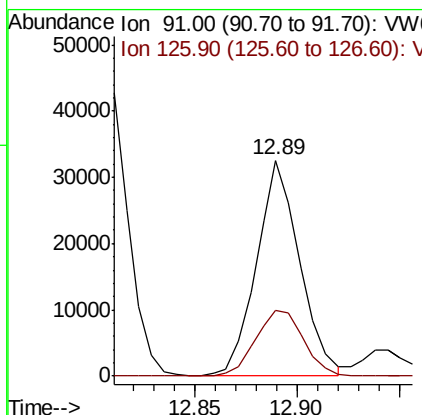
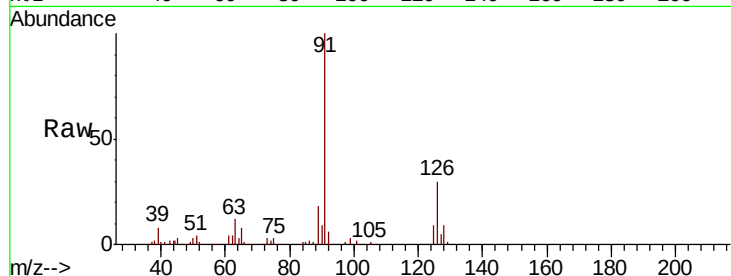
#79
 2-Chlorotoluene
 Concen: 4.980 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 47730
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.8 53.4

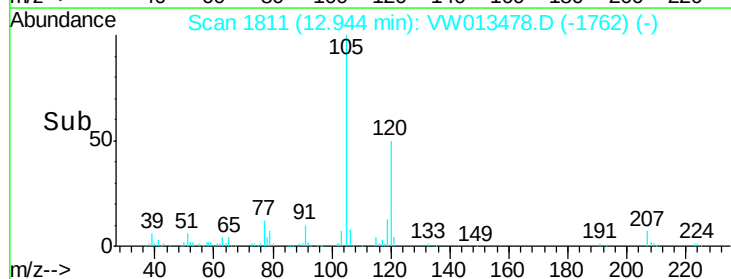
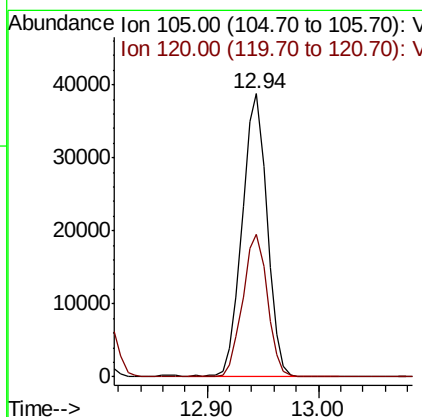
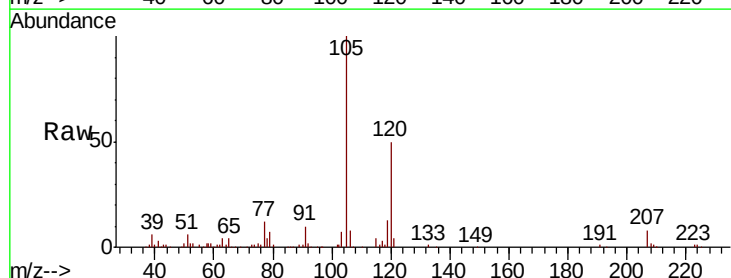
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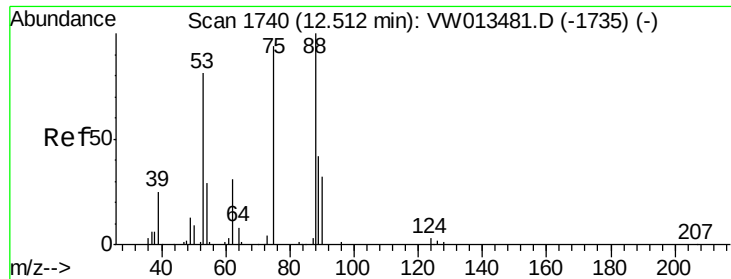
MMDadoda
 10/9/2019 4:08:33 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.915 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion: 105 Resp: 60417
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.4 76.0





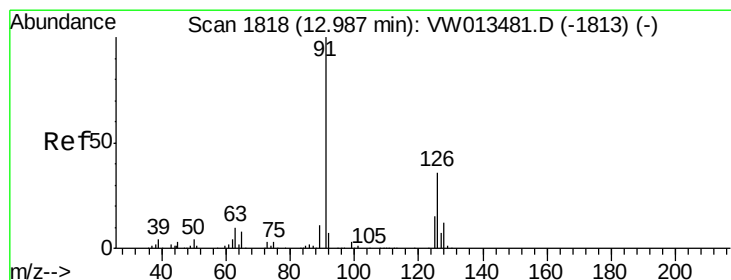
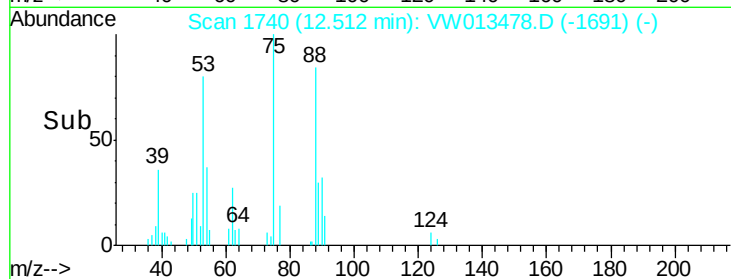
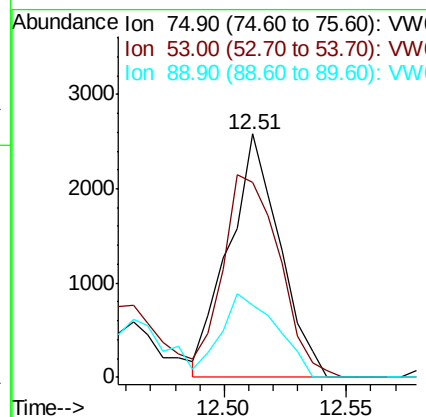
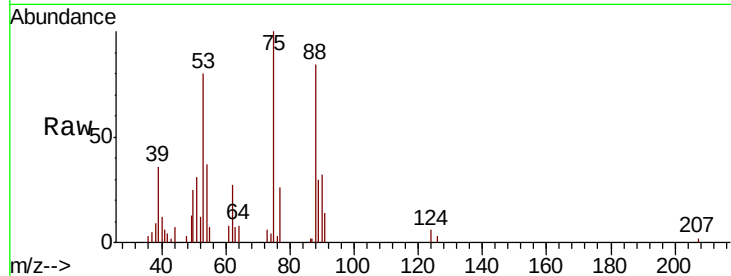
#81
trans-1,4-Dichloro-2-butene
Concen: 4.437 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	71.0	106.6
89	37.3	36.1	54.1

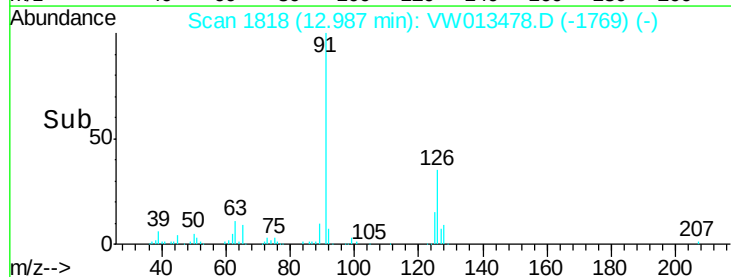
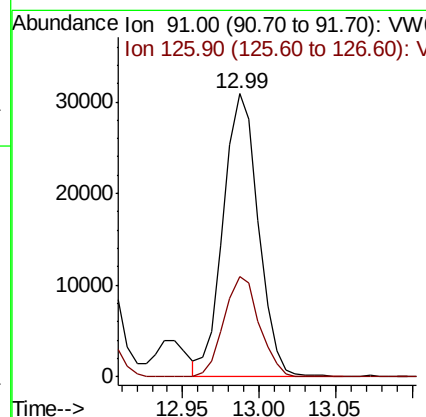
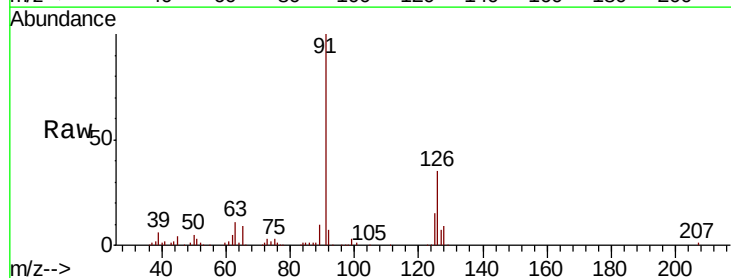
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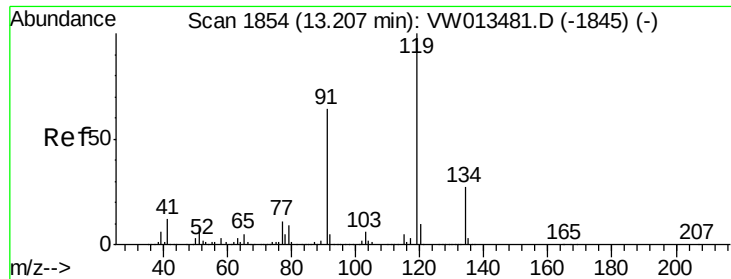
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.966 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.6





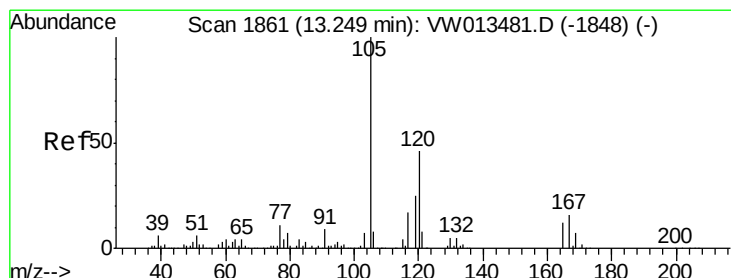
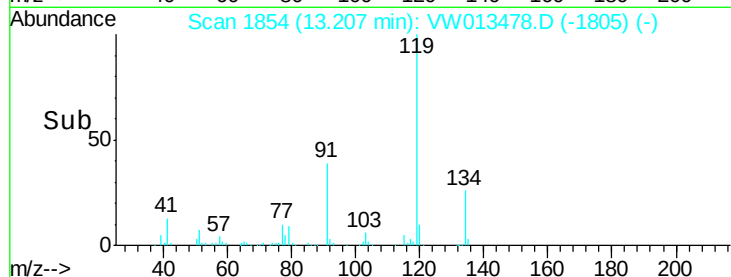
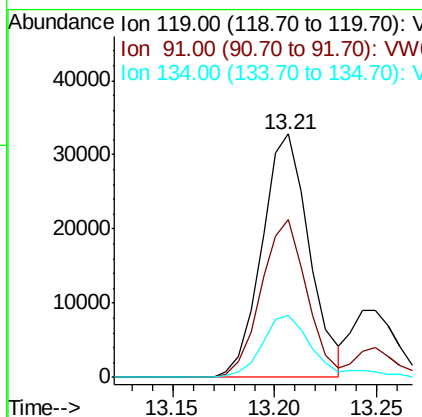
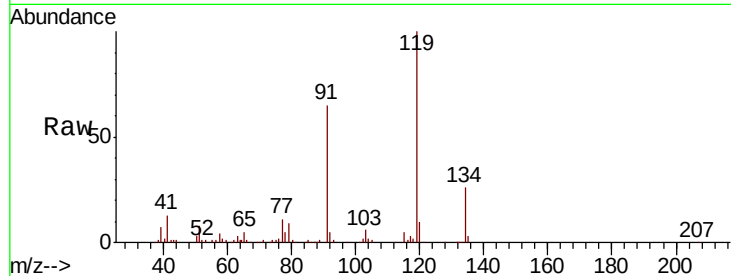
#83
tert-Butylbenzene
Concen: 4.869 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.6	91.6
134	27.9	13.8	41.3

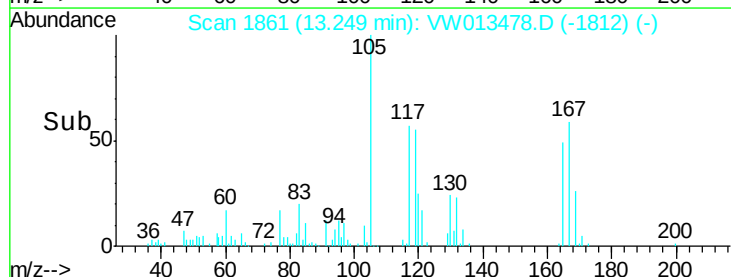
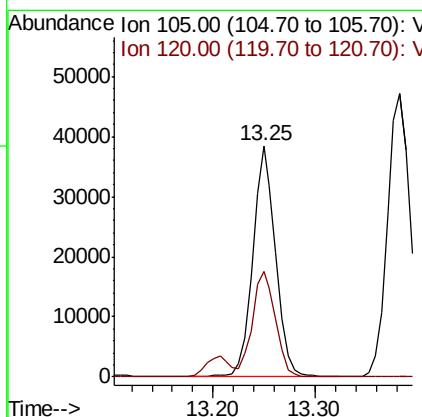
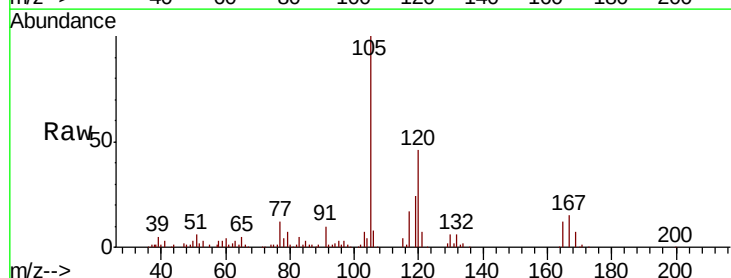
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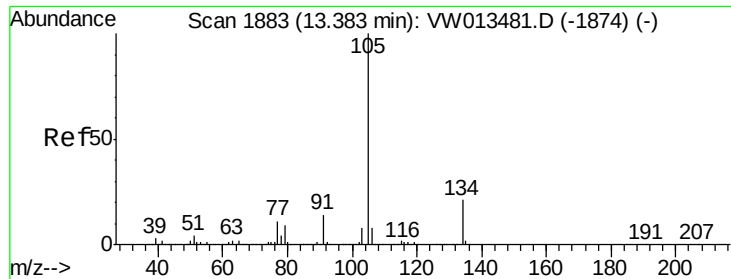
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.933 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.2	69.5





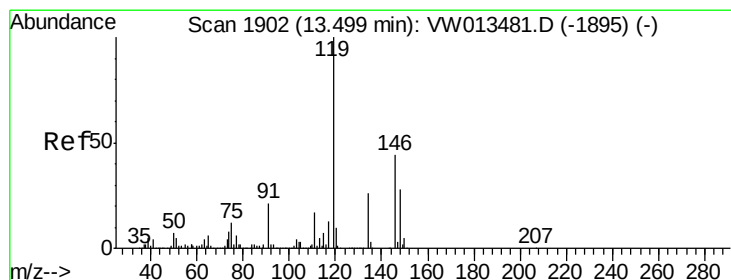
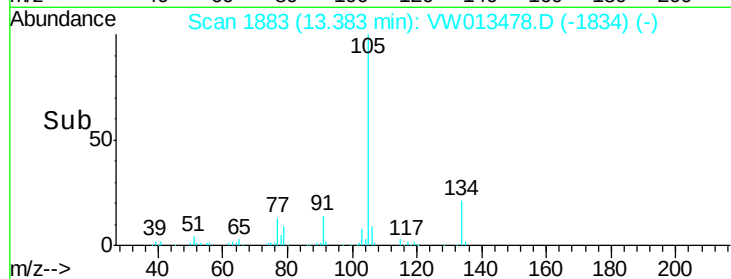
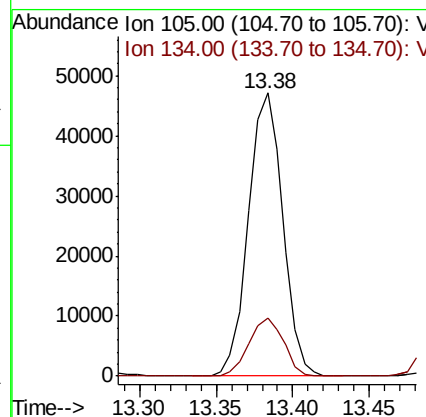
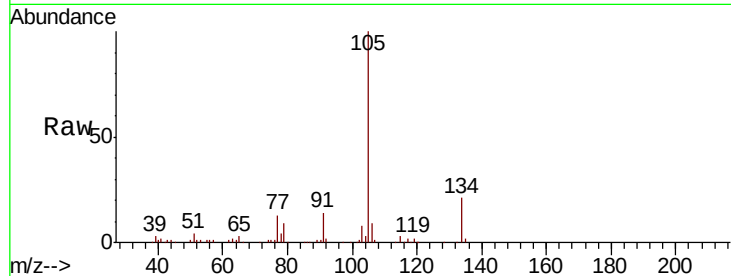
#85
 sec-Butylbenzene
 Concen: 4.884 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.4

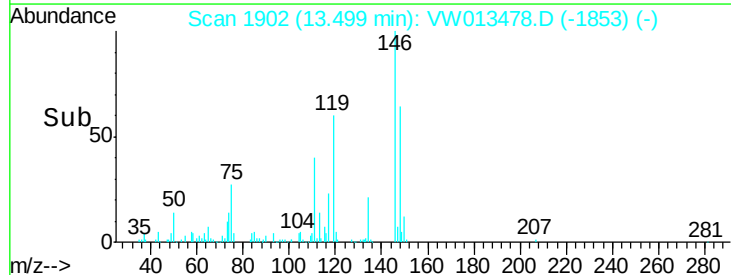
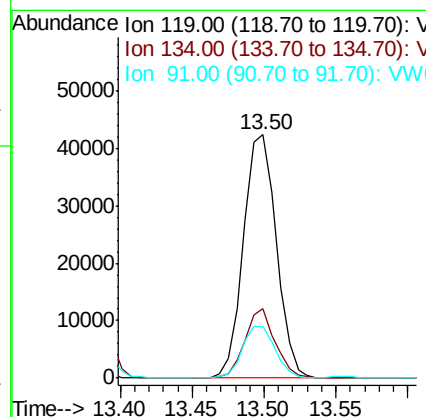
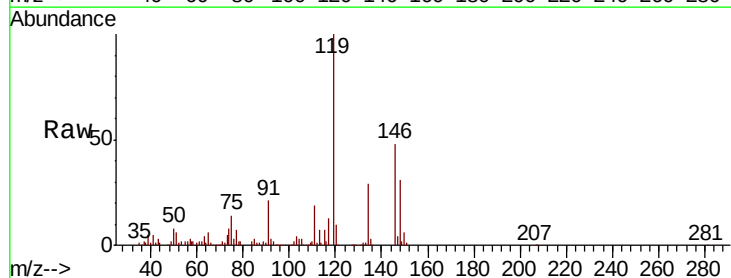
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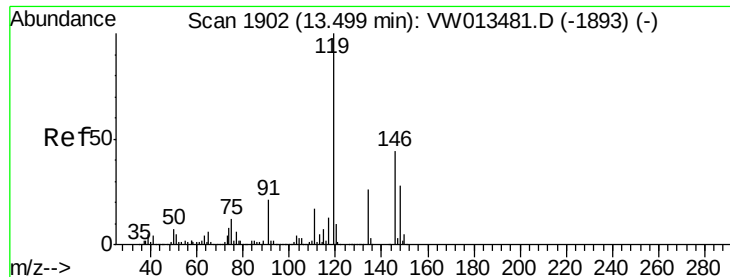
MMDadoda
 10/9/2019 4:08:33 PM



#86
 p-Isopropyltoluene
 Concen: 4.860 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	21.4	10.8	32.3





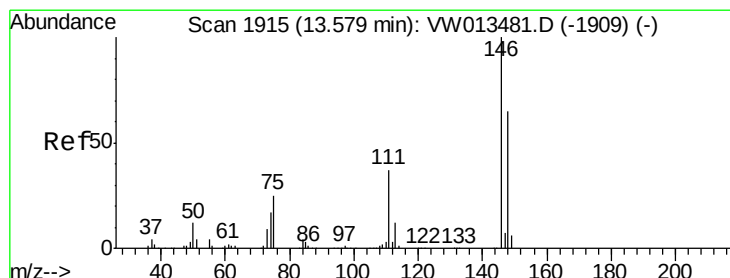
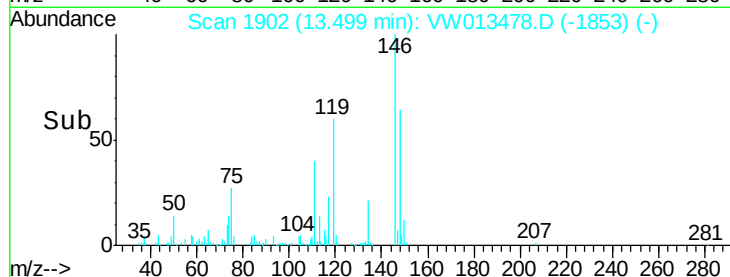
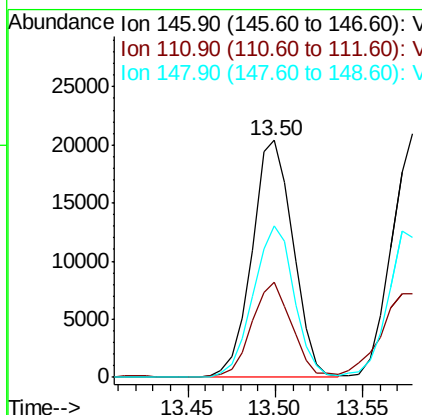
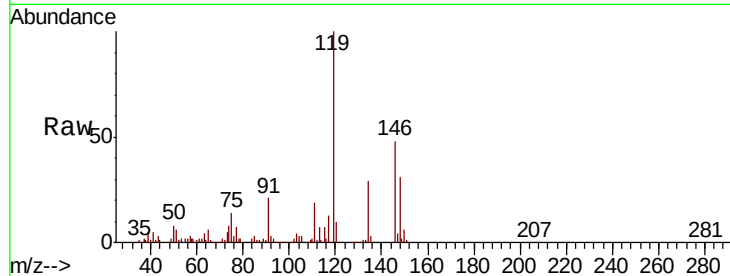
#87
 1,3-Dichlorobenzene
 Concen: 5.002 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.7	56.1
148	63.5	32.3	96.8

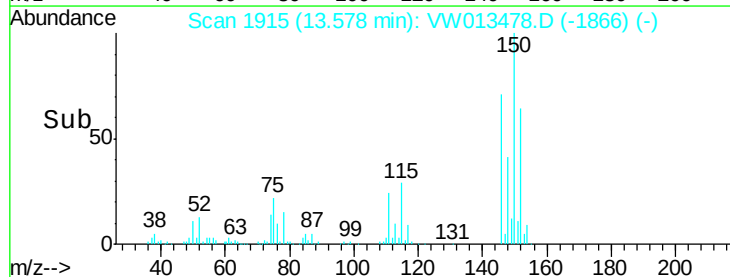
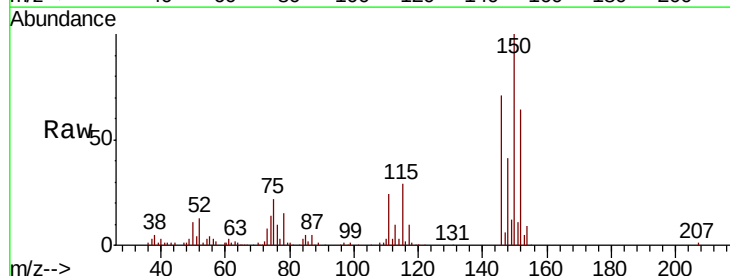
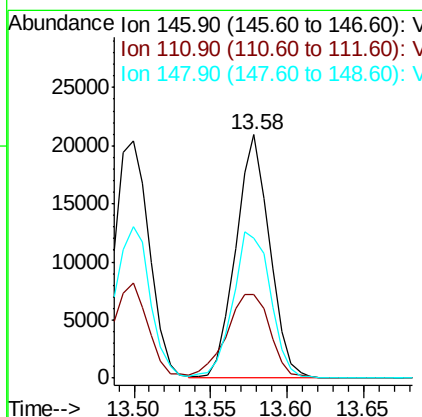
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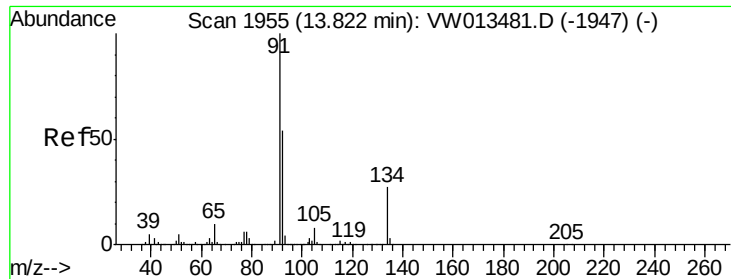
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#88
 1,4-Dichlorobenzene
 Concen: 4.931 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	18.4	55.4
148	67.1	32.0	96.2





#89

n-Butylbenzene

Concen: 4.761 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Instrument :

MSVOA_W

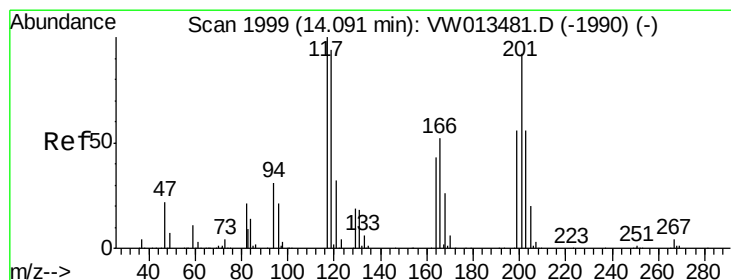
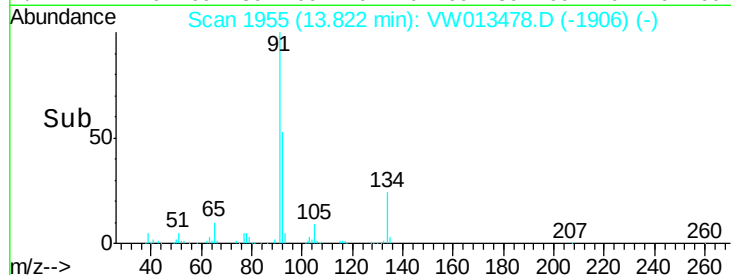
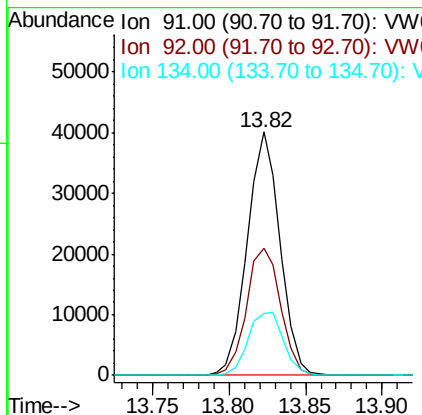
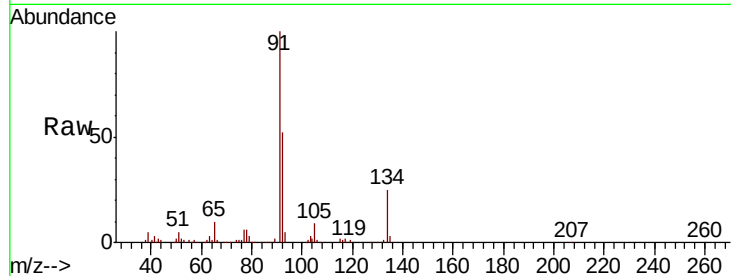
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	59607
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.5	82.4
134	28.0	13.8	41.3

Manual Integrations
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#90

Hexachloroethane

Concen: 4.950 ug/l

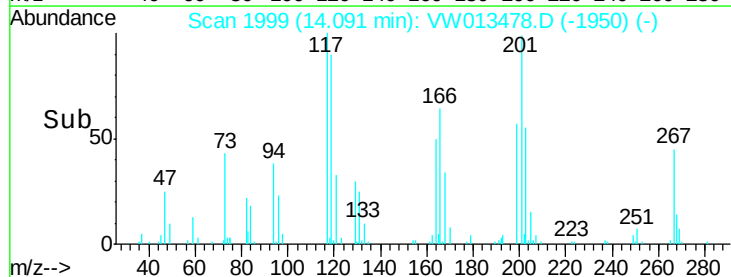
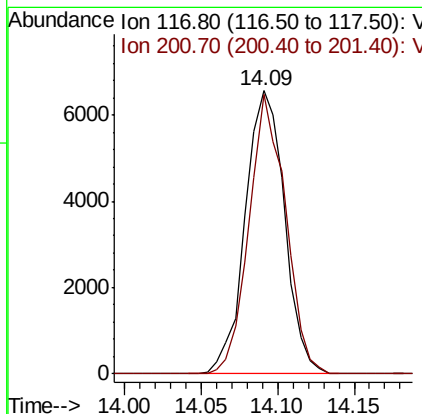
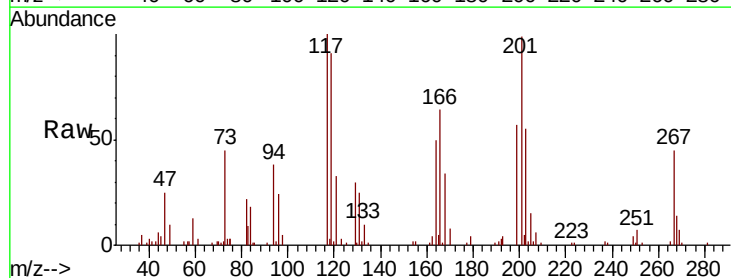
RT: 14.09 min Scan# 1999

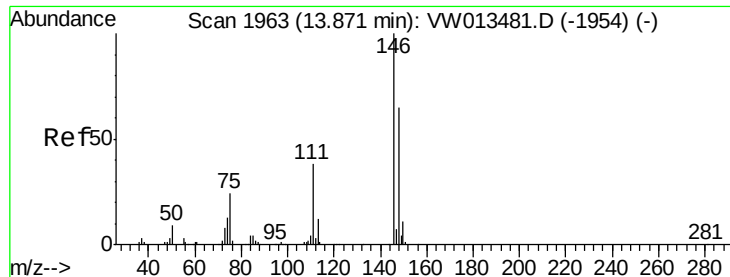
Delta R.T. -0.00 min

Lab File: VW013478.D

Acq: 08 Oct 2019 10:27

Tgt Ion:	117	Resp:	11739
Ion	Ratio	Lower	Upper
117	100		
201	91.9	46.9	140.7





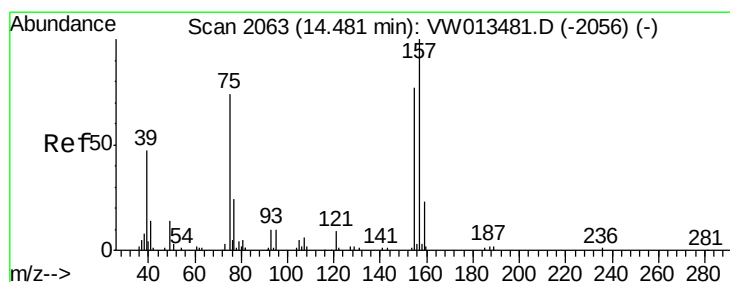
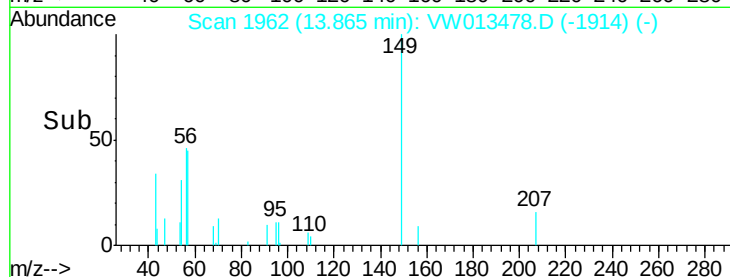
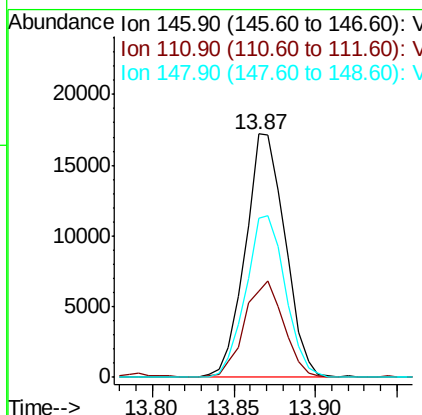
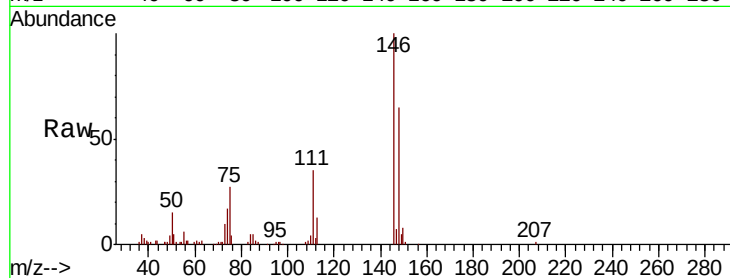
#91
 1,2-Dichlorobenzene
 Concen: 4.981 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.2
148	65.9	31.8	95.3

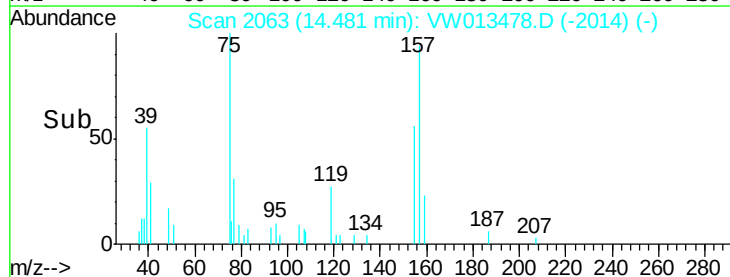
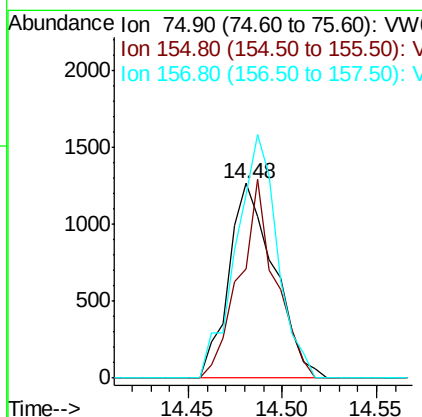
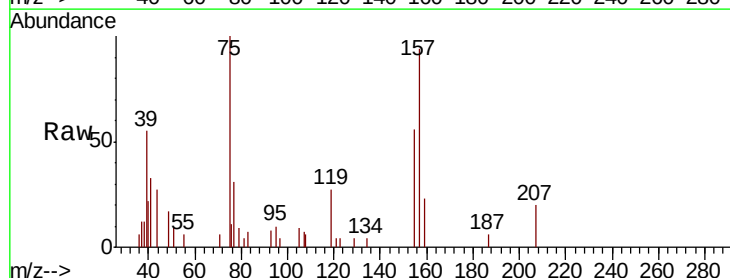
Manual Integrations
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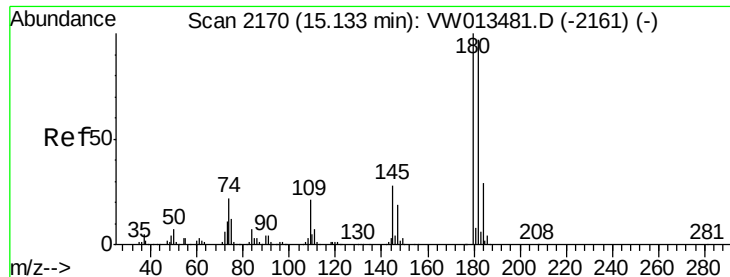
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.268 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	51.0	153.1
157	114.2	65.9	197.7





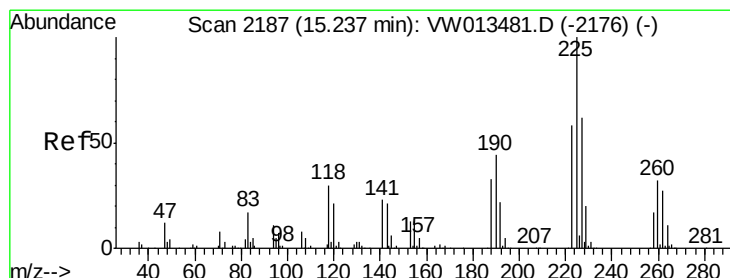
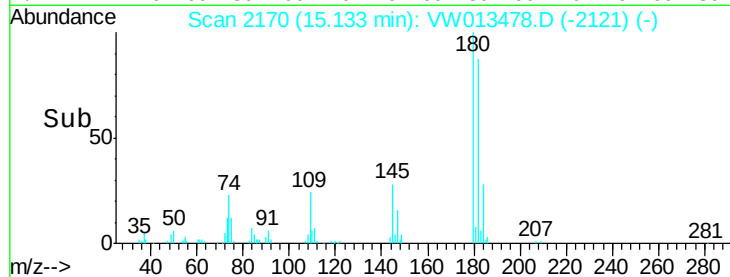
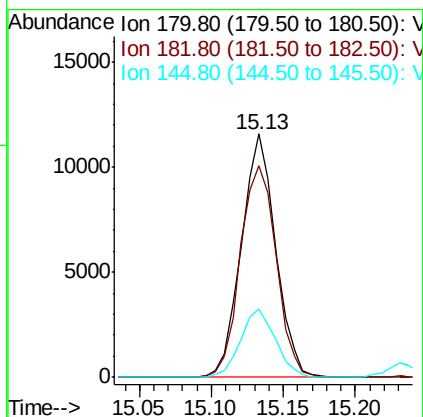
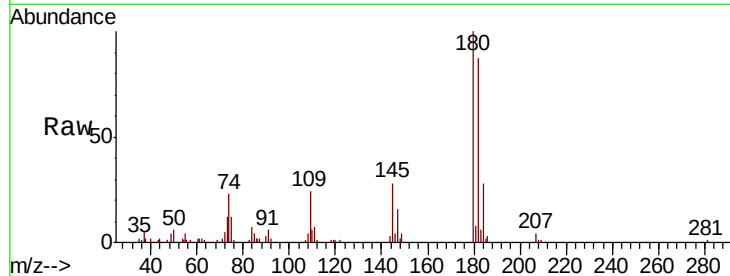
#93
 1,2,4-Trichlorobenzene
 Concen: 4.589 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.7	143.1
145	28.6	14.0	41.9

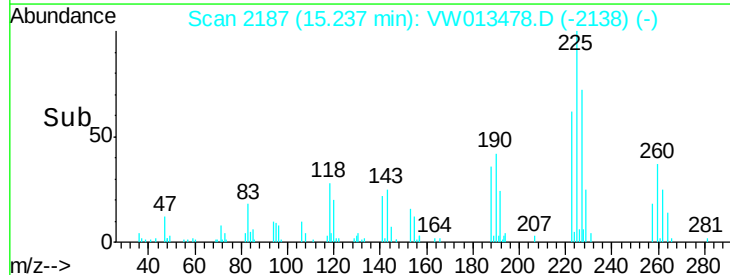
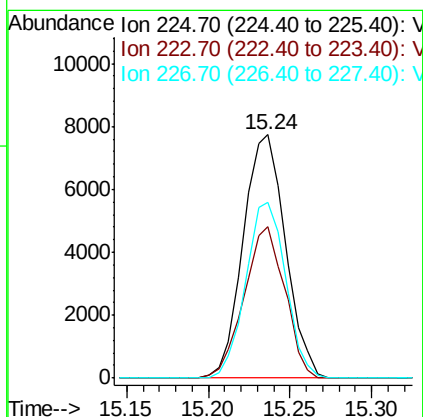
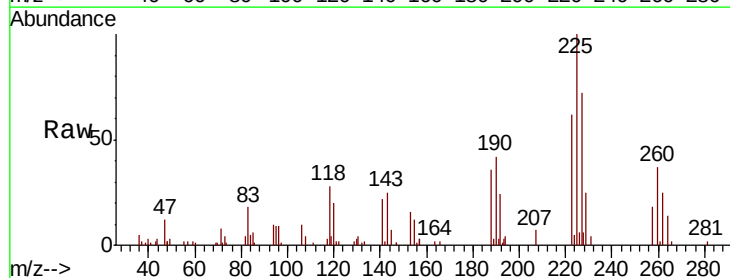
Manual Integrations
 APPROVED

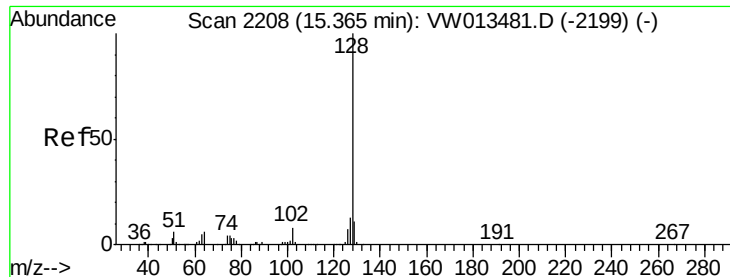
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 5.058 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013478.D
 Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	30.3	90.9
227	68.4	32.0	96.0





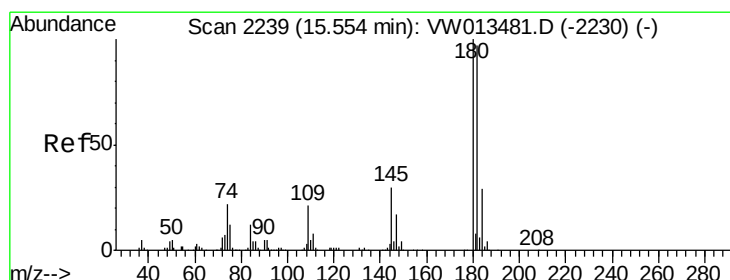
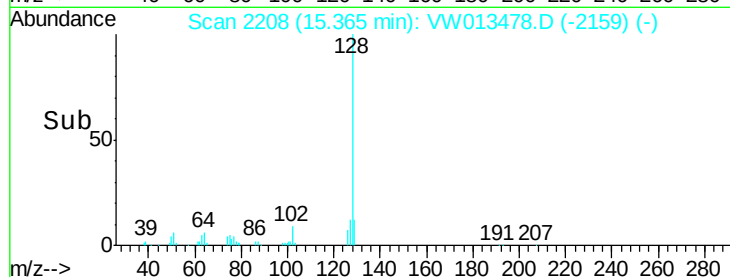
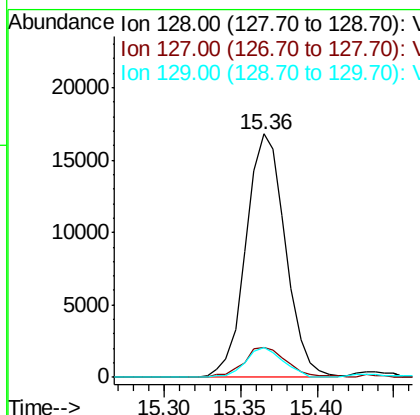
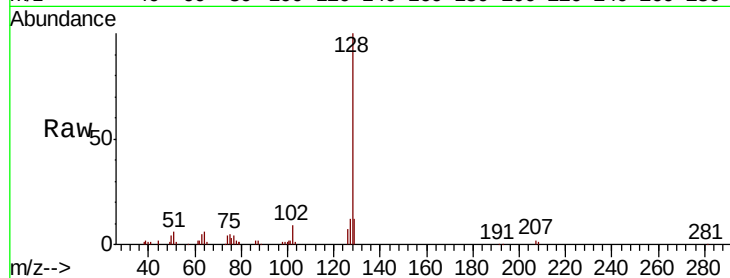
#95
Naphthalene
Concen: 4.197 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.6	8.8	13.2

Manual Integrations
APPROVED

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10/9/2019 4:08:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.571 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013478.D
Acq: 08 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.7	143.1
145	31.6	14.9	44.9

