

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013482.D
 Acq On : 08 Oct 2019 12:11
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:08:51 PM

Quant Time: Oct 09 05:38:06 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	352318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	507614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	436318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	285022	104.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.42%	
35) Dibromofluoromethane	7.88	113	298647	105.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.68%	
50) Toluene-d8	10.32	98	1247913	104.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.48%	
62) 4-Bromofluorobenzene	12.62	95	418486	104.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	115204	98.716	ug/l	98
3) Chloromethane	2.21	50	187065	91.192	ug/l	99
4) Vinyl Chloride	2.35	62	286633	94.729	ug/l	98
5) Bromomethane	2.77	94	176546	97.788	ug/l	100
6) Chloroethane	2.91	64	166527	98.000	ug/l	99
7) Trichlorofluoromethane	3.25	101	143188	100.018	ug/l	98
8) Diethyl Ether	3.68	74	152502	102.917	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	278560	94.409	ug/l	99
10) Methyl Iodide	4.27	142	466887	99.928	ug/l	99
11) Tert butyl alcohol	5.19	59	94296	455.740	ug/l	99
12) 1,1-Dichloroethene	4.04	96	300610	98.309	ug/l	97
13) Acrolein	3.89	56	118074	532.082	ug/l	99
14) Allyl chloride	4.66	41	477057	101.520	ug/l	98
15) Acrylonitrile	5.37	53	327779	473.283	ug/l	99
16) Acetone	4.12	43	295094	465.866	ug/l	100
17) Carbon Disulfide	4.38	76	852879	99.367	ug/l	100
18) Methyl Acetate	4.67	43	173574	95.661	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	456042	98.628	ug/l	98
20) Methylene Chloride	4.92	84	305815	87.698	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	324040	99.727	ug/l	99
22) Diisopropyl ether	6.31	45	904349	102.716	ug/l	97
23) Vinyl Acetate	6.25	43	2680818	507.166	ug/l	97
24) 1,1-Dichloroethane	6.21	63	541456	100.618	ug/l	99
25) 2-Butanone	7.17	43	424953	455.215	ug/l	99
26) 2,2-Dichloropropane	7.17	77	317225	91.442	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	349774	101.733	ug/l	98
28) Bromochloromethane	7.51	49	230902	120.309	ug/l #	100
29) Tetrahydrofuran	7.53	42	270054	473.324	ug/l	99
30) Chloroform	7.67	83	521315	100.151	ug/l	97
31) Cyclohexane	7.95	56	516664	90.710	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	422558	99.864	ug/l	99
36) 1,1-Dichloropropene	8.08	75	444592	96.819	ug/l	100
37) Ethyl Acetate	7.25	43	187801	90.138	ug/l	99
38) Carbon Tetrachloride	8.07	117	398316	97.849	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	571569	96.073	ug/l	97
40) Benzene	8.32	78	1261681	98.427	ug/l	100
41) Methacrylonitrile	7.48	41	113737	96.000	ug/l	96
42) 1,2-Dichloroethane	8.40	62	322380	99.500	ug/l	99
43) Isopropyl Acetate	8.42	43	366912	97.477	ug/l	99
44) Trichloroethene	9.09	130	362581	99.152	ug/l	98
45) 1,2-Dichloropropane	9.37	63	311036	101.096	ug/l	97
46) Dibromomethane	9.46	93	150739	98.347	ug/l	99
47) Bromodichloromethane	9.64	83	392762	103.085	ug/l	98
48) Methyl methacrylate	9.43	41	184848	99.696	ug/l	98
49) 1,4-Dioxane	9.46	88	47477	1764.095	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	909768	459.727	ug/l	99
52) Toluene	10.38	92	826970	100.154	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	414379	104.666	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	500264	104.299	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	230118	100.024	ug/l	96
56) Ethyl methacrylate	10.65	69	315981	101.976	ug/l	100
57) 1,3-Dichloropropane	10.93	76	391149	99.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	741175	507.014	ug/l	99
59) 2-Hexanone	10.97	43	639584	471.324	ug/l	99
60) Dibromochloromethane	11.13	129	274574	103.781	ug/l	96
61) 1,2-Dibromoethane	11.24	107	217500	99.395	ug/l	99
64) Tetrachloroethene	10.86	164	311746	97.079	ug/l	96
65) Chlorobenzene	11.66	112	856444	98.785	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	306030	101.616	ug/l	99
67) Ethyl Benzene	11.73	91	1567706	98.932	ug/l	100
68) m/p-Xylenes	11.83	106	1191848	197.678	ug/l	99
69) o-Xylene	12.16	106	562339	100.950	ug/l	98
70) Styrene	12.18	104	971277	101.550	ug/l	99
71) Bromoform	12.35	173	169182	102.391	ug/l #	100
73) Isopropylbenzene	12.46	105	1545548	100.493	ug/l	99
74) N-amyl acetate	12.27	43	336953	100.176	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	252031	96.143	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	158057m	91.657	ug/l	
77) Bromobenzene	12.74	156	367859	100.909	ug/l	99
78) n-propylbenzene	12.80	91	1764637	99.224	ug/l	99
79) 2-Chlorotoluene	12.89	91	989001	99.259	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1274874	99.765	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	89813	102.668	ug/l	98
82) 4-Chlorotoluene	12.99	91	1036426	100.219	ug/l	100
83) tert-Butylbenzene	13.21	119	1130852	99.646	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1256092	99.388	ug/l	100
85) sec-Butylbenzene	13.38	105	1543105	98.409	ug/l	100
86) p-Isopropyltoluene	13.50	119	1425892	98.972	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	685103	99.114	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	673392	99.445	ug/l	100
89) n-Butylbenzene	13.82	91	1307305	100.450	ug/l	100
90) Hexachloroethane	14.09	117	250931	101.793	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	608560	99.715	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	38989	93.296	ug/l	99

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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	455860	105.688	ug/l	99
94) Hexachlorobutadiene	15.23	225	283573	98.932	ug/l	98
95) Naphthalene	15.36	128	795445	106.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	393050	104.211	ug/l	99

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

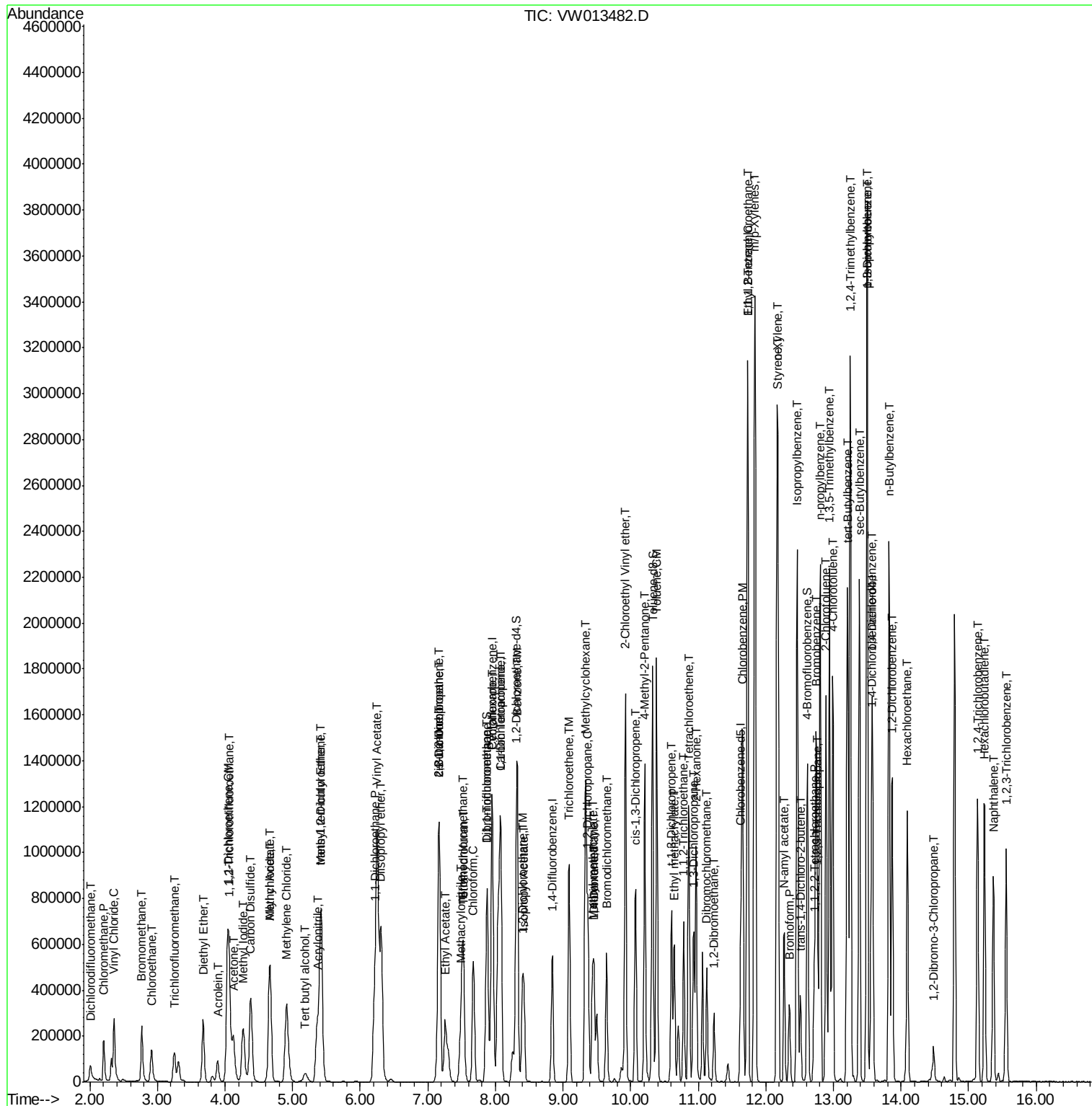
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013482.D
 Acq On : 08 Oct 2019 12:11
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 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

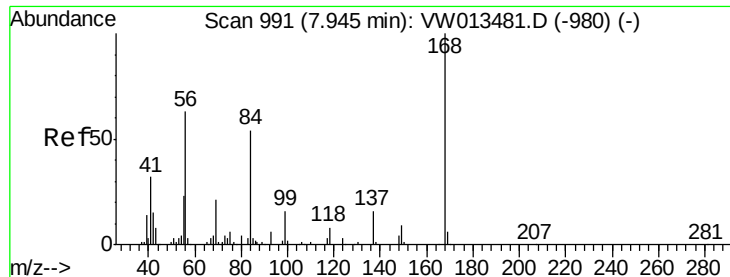
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 352318

Ion Ratio Lower Upper

168 100

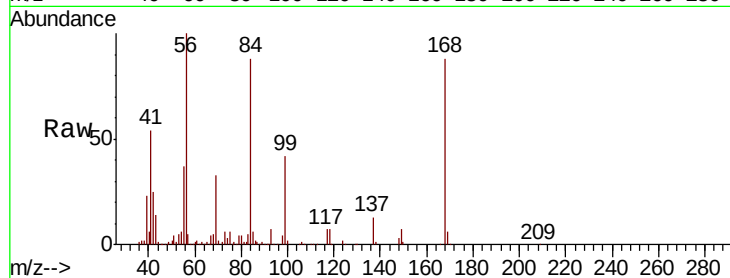
99 48.3 38.3 57.5

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

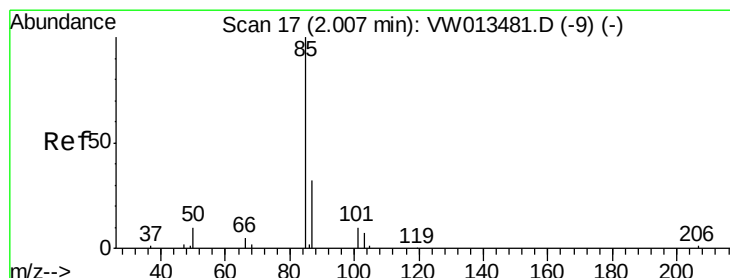
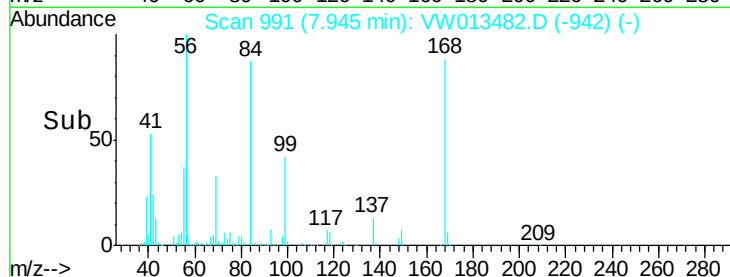
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 98.716 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013482.D

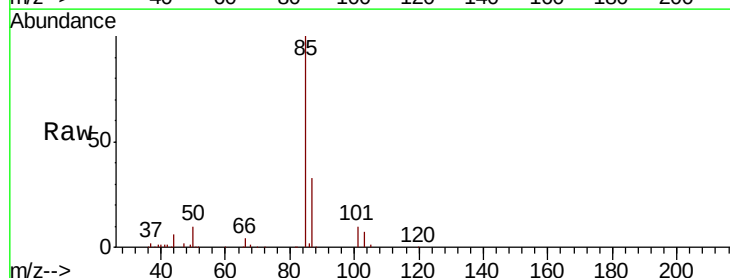
Acq: 08 Oct 2019 12:11

Tgt Ion: 85 Resp: 115204

Ion Ratio Lower Upper

85 100

87 32.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

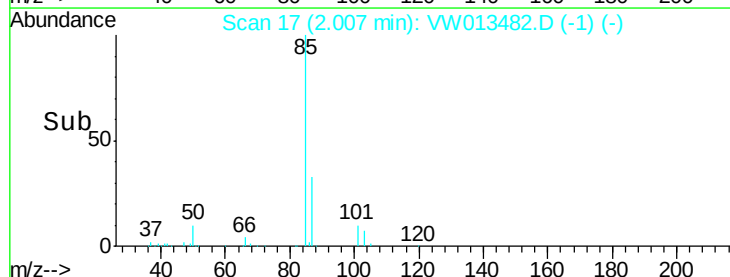
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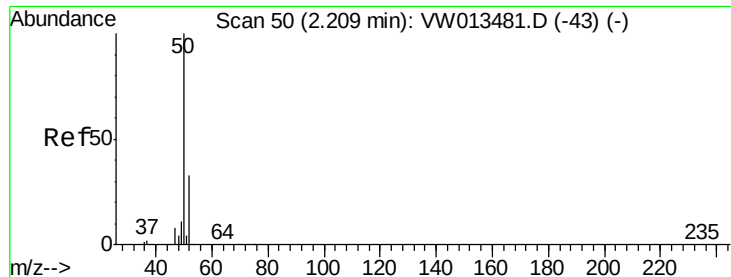
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 91.192 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 187065

Ion Ratio Lower Upper

50 100

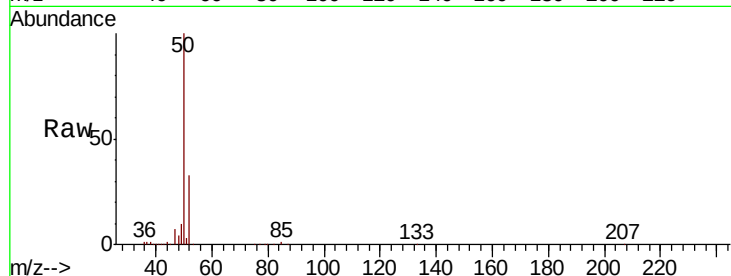
52 33.3 26.0 39.0

Manual Integrations

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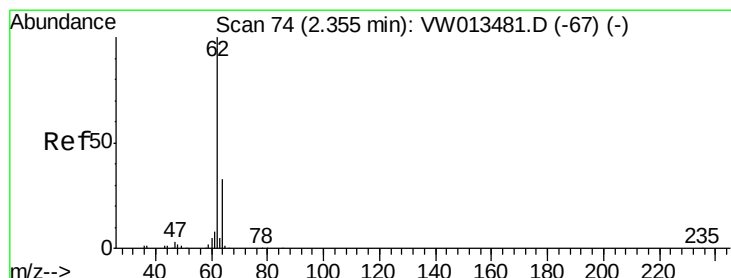
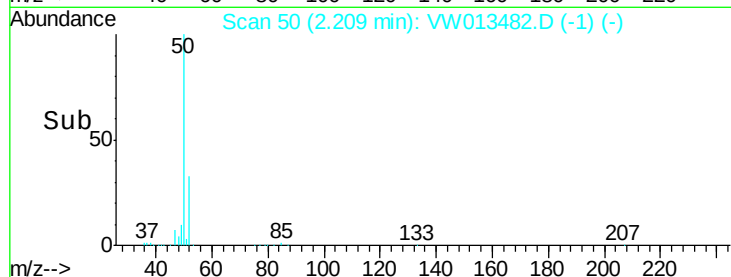
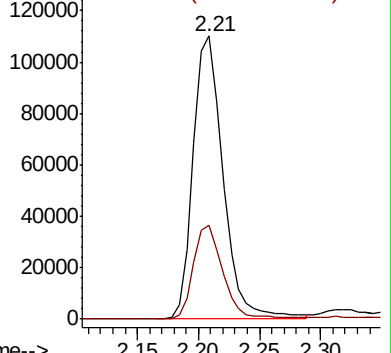
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 94.729 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013482.D

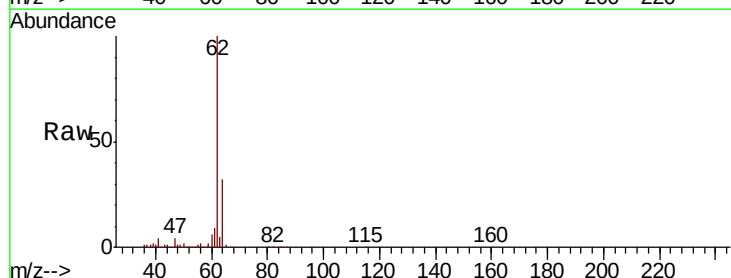
Acq: 08 Oct 2019 12:11

Tgt Ion: 62 Resp: 286633

Ion Ratio Lower Upper

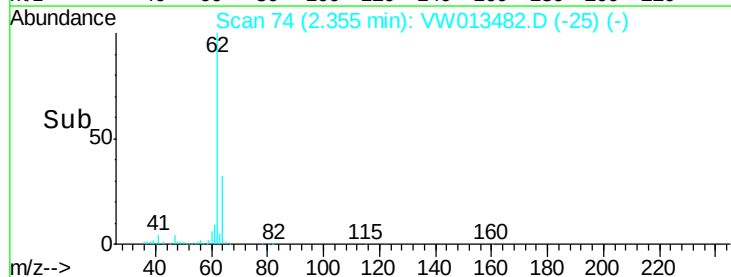
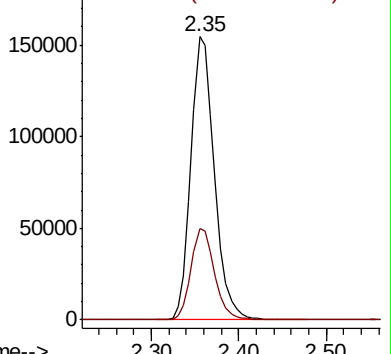
62 100

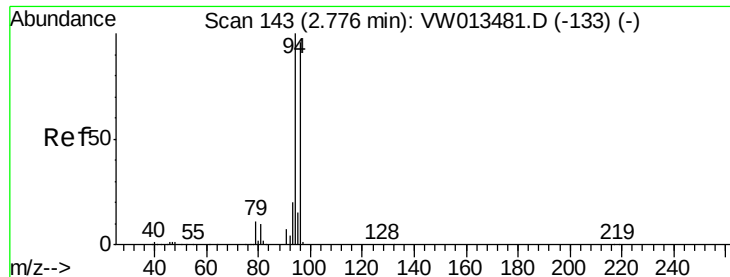
64 32.1 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 97.788 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 176546

Ion Ratio Lower Upper

94 100

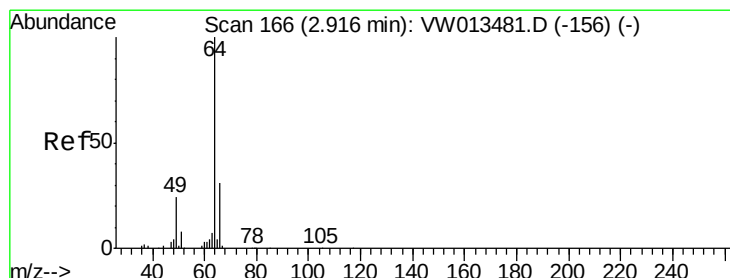
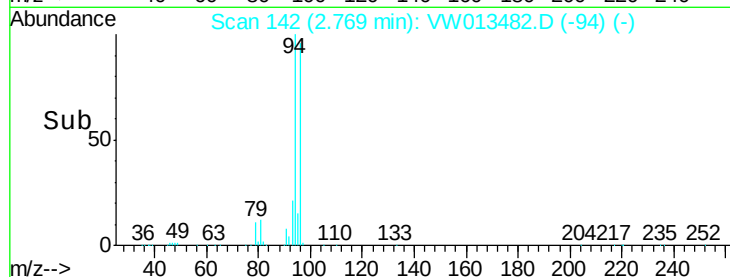
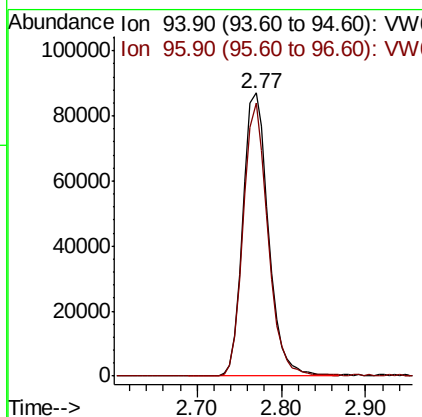
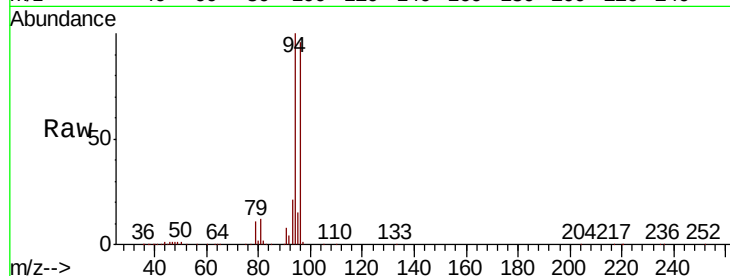
96 96.3 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 98.000 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013482.D

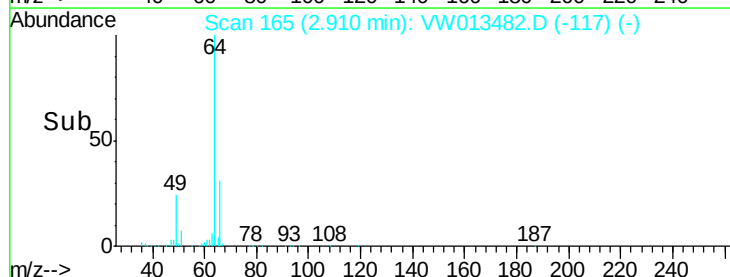
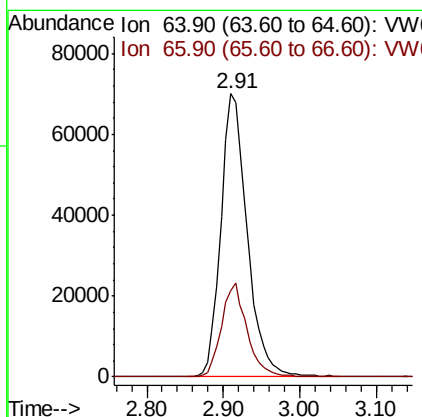
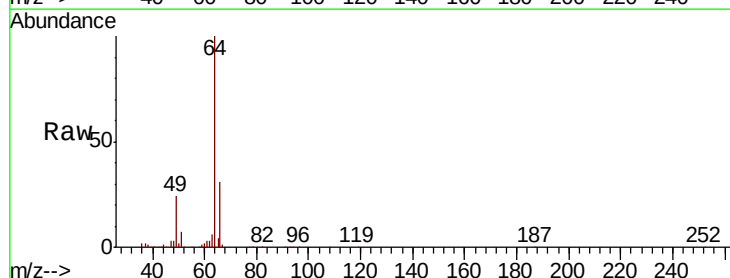
Acq: 08 Oct 2019 12:11

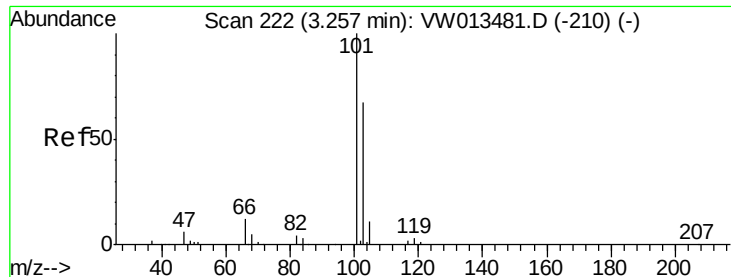
Tgt Ion: 64 Resp: 166527

Ion Ratio Lower Upper

64 100

66 30.5 25.0 37.4





#7

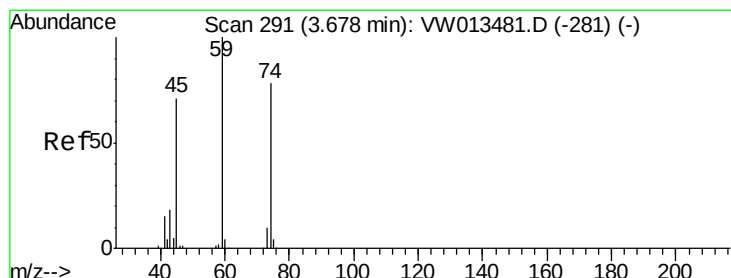
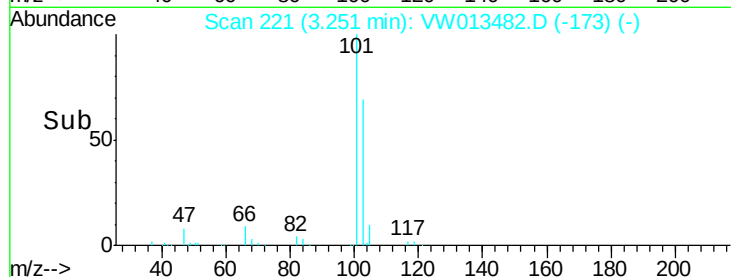
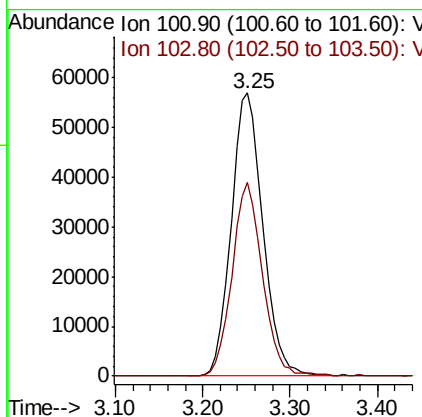
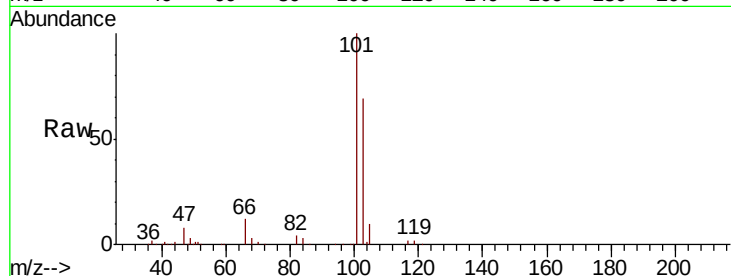
Trichlorofluoromethane
 Concen: 100.018 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	53.7	80.5

Manual Integrations
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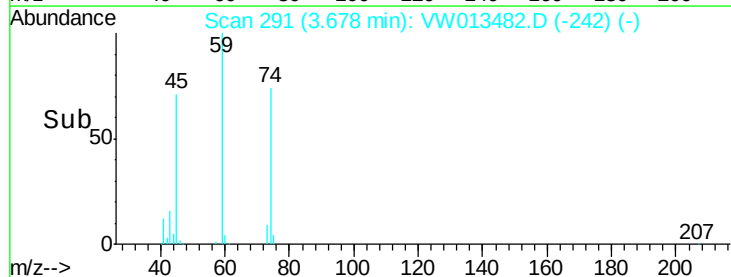
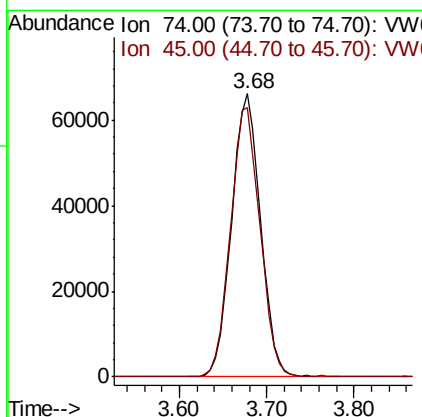
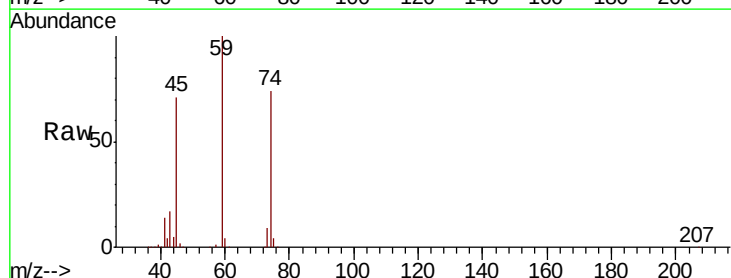
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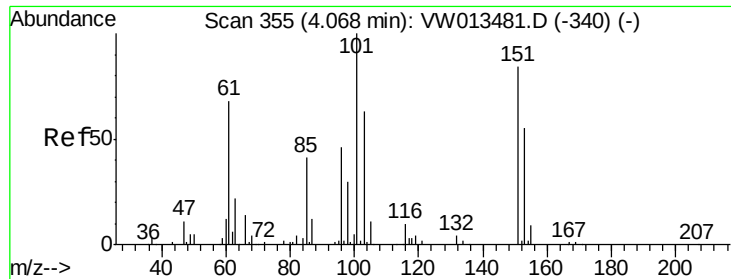


#8

Diethyl Ether
 Concen: 102.917 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	50.0	150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.409 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

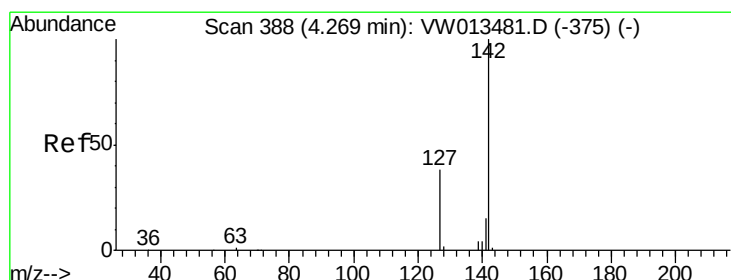
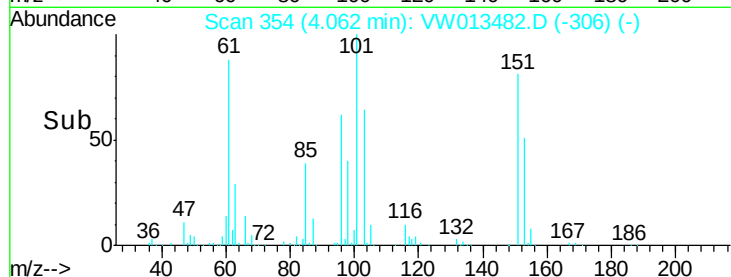
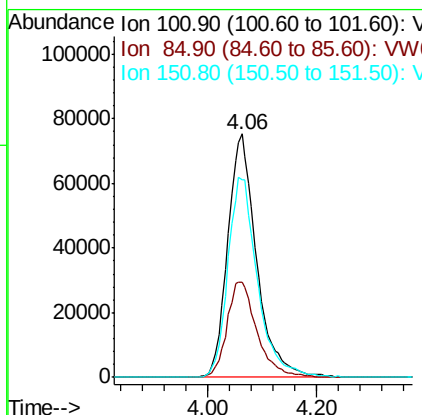
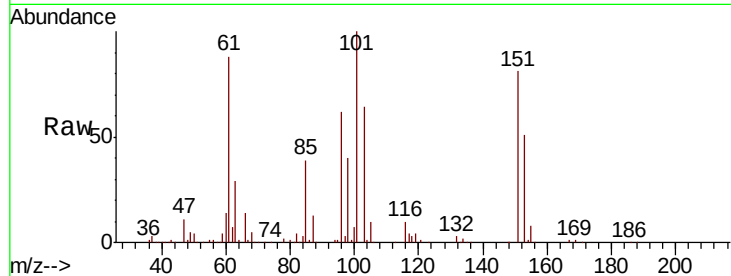
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	278560
Ion Ratio	Lower	Upper	
101	100		
85	40.8	31.6	47.4
151	84.3	67.5	101.3

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#10

Methyl Iodide

Concen: 99.928 ug/l

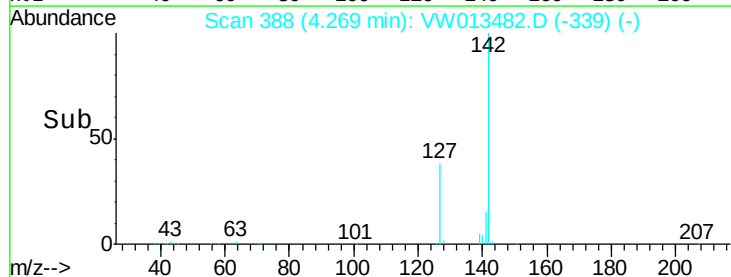
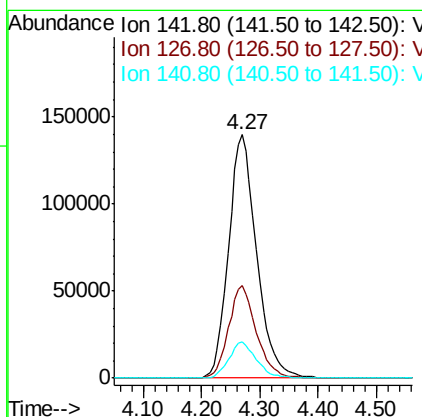
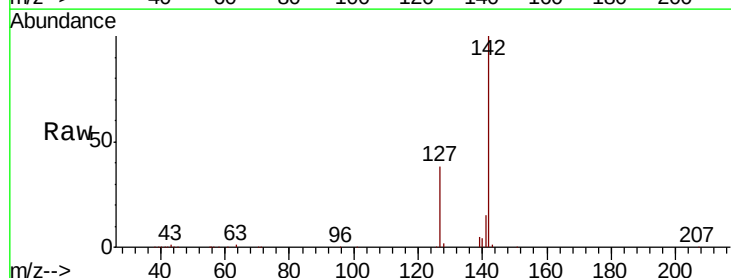
RT: 4.27 min Scan# 388

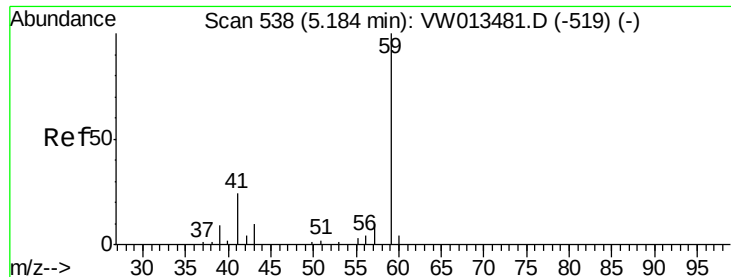
Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Tgt Ion:	142	Resp:	466887
Ion Ratio	Lower	Upper	
142	100		
127	37.7	29.6	44.4
141	14.6	12.1	18.1





#11

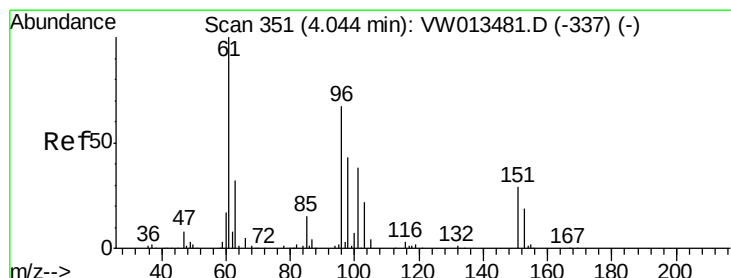
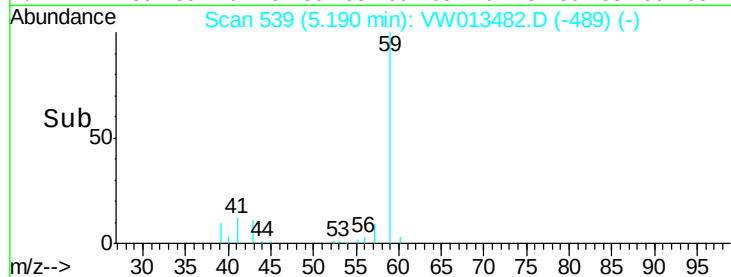
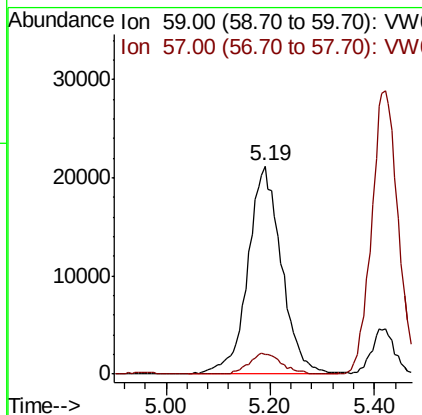
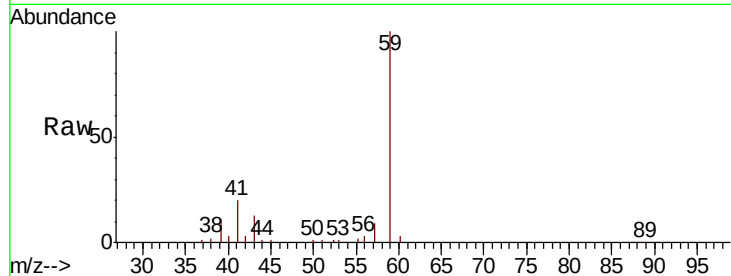
Tert butyl alcohol
 Concen: 455.740 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	59	57	Ratio	100	9.8	Resp	Lower	Upper
59	100					94296		
57		9.8					8.2	12.4

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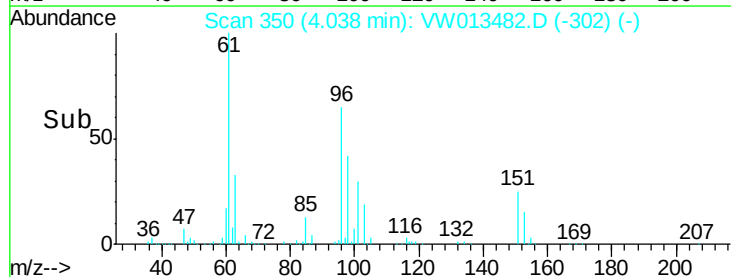
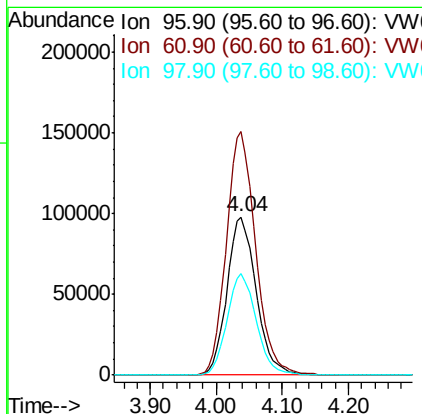
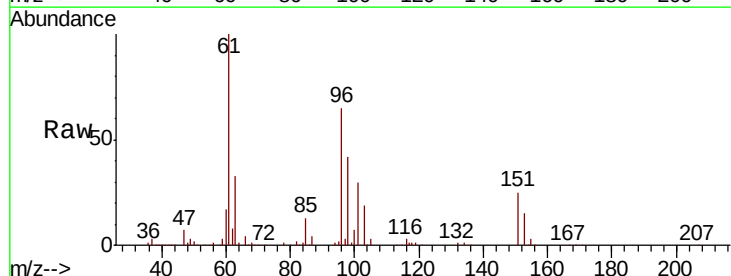
MMDadoda
 10/9/2019 4:08:51 PM

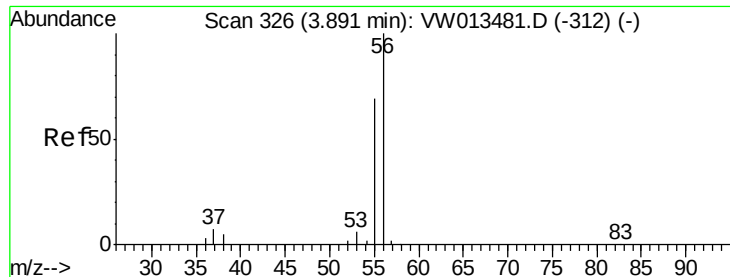


#12

1,1-Dichloroethene
 Concen: 98.309 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	96	61	98	Ratio	100	154.0	64.3	Resp	Lower	Upper
96	100							300610		
61		154.0							119.4	179.0
98		64.3							51.1	76.7





#13

Acrolein

Concen: 532.082 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 118074

Ion Ratio Lower Upper

56 100

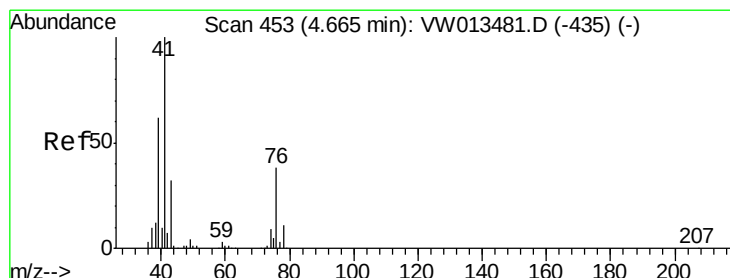
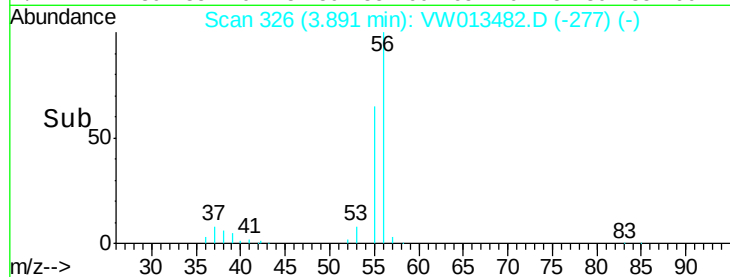
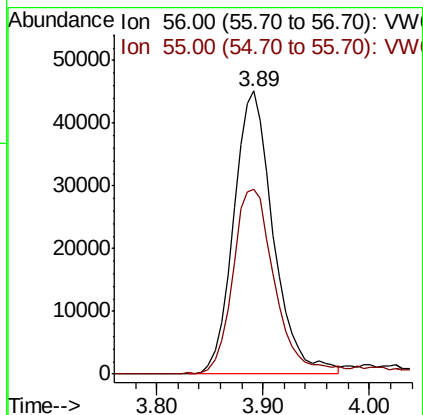
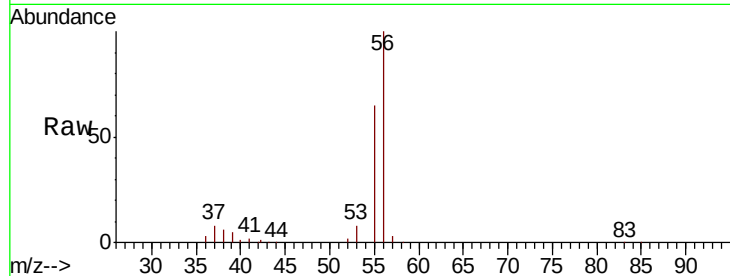
55 69.3 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 101.520 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

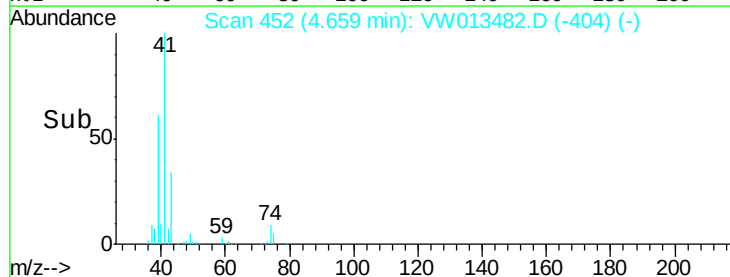
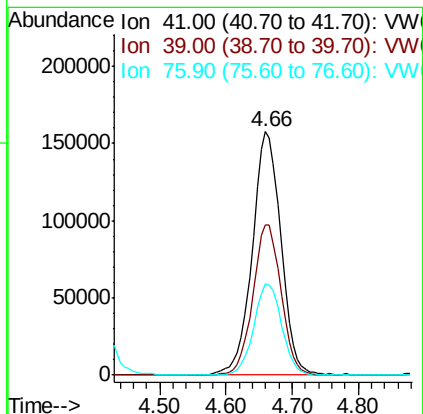
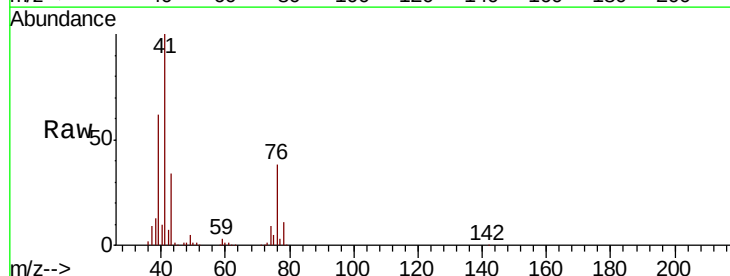
Tgt Ion: 41 Resp: 477057

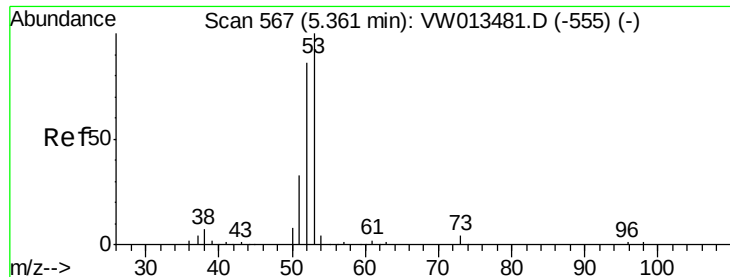
Ion Ratio Lower Upper

41 100

39 60.6 50.1 75.1

76 36.3 29.0 43.4





#15

Acrylonitrile

Concen: 473.283 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

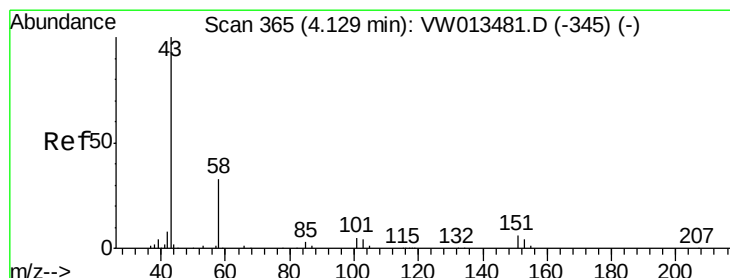
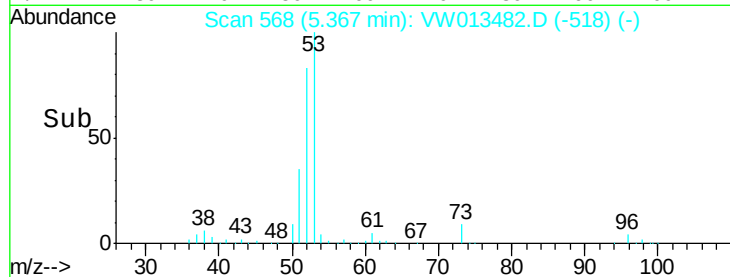
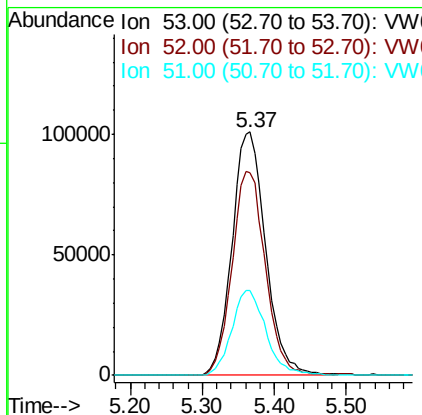
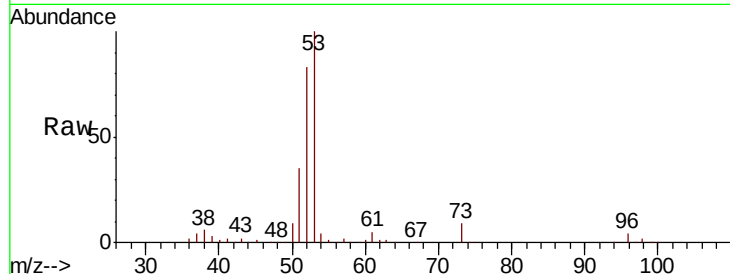
ClientSampled :

VSTDIC100

Tot Ion:	53	Resp:	327779
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.8	98.8
51	35.5	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 465.866 ug/l

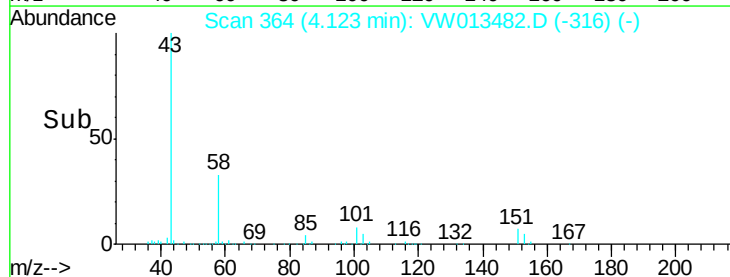
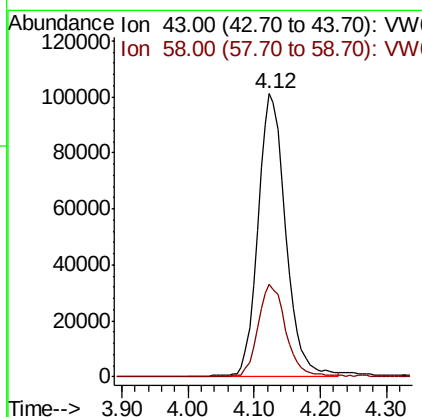
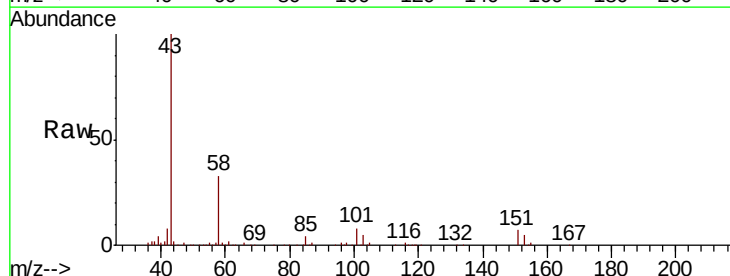
RT: 4.12 min Scan# 364

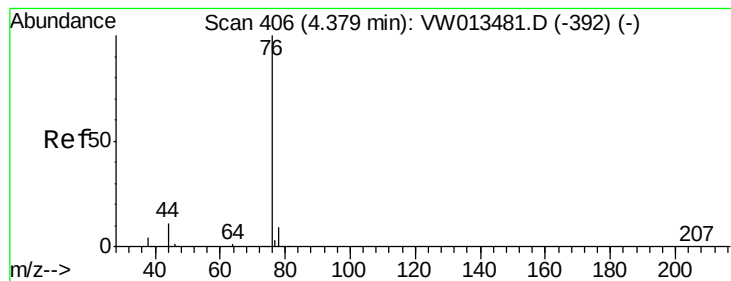
Delta R.T. -0.01 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Tgt Ion:	43	Resp:	295094
Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.1	39.1





#17

Carbon Disulfide

Concen: 99.367 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 852879

Ion Ratio Lower Upper

76 100

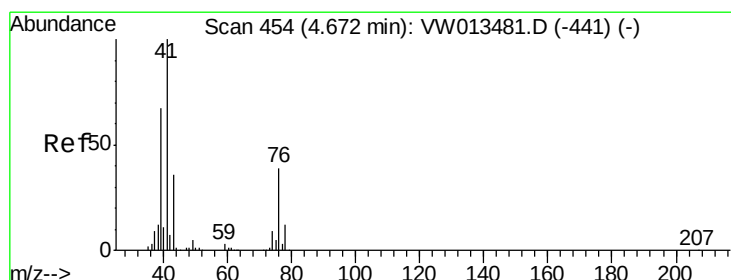
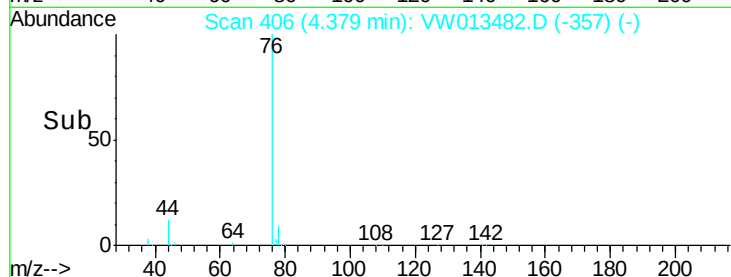
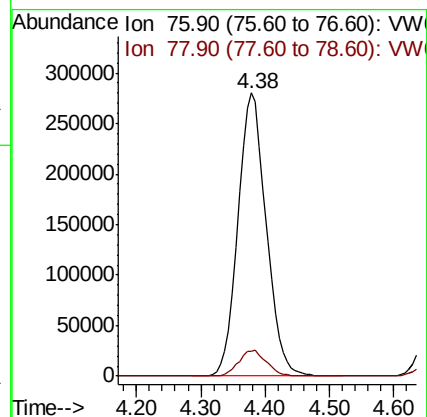
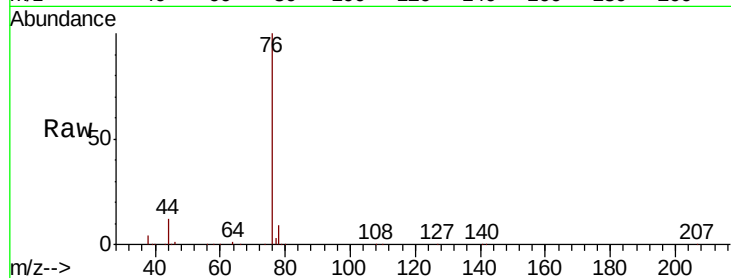
78 8.9 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 95.661 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013482.D

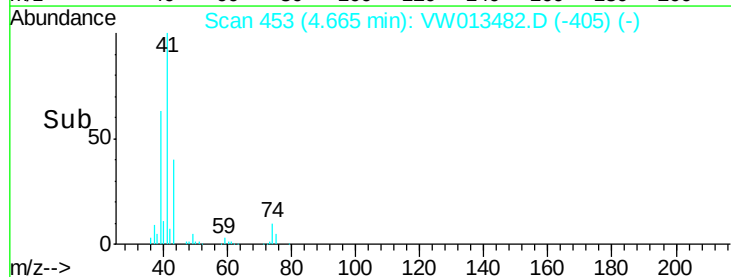
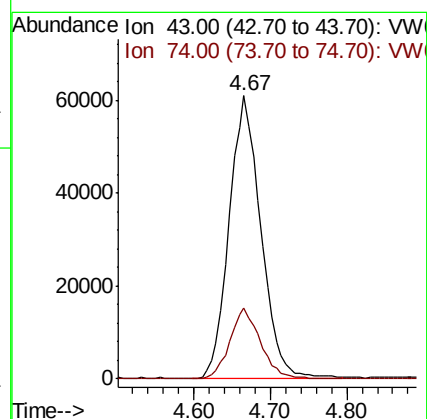
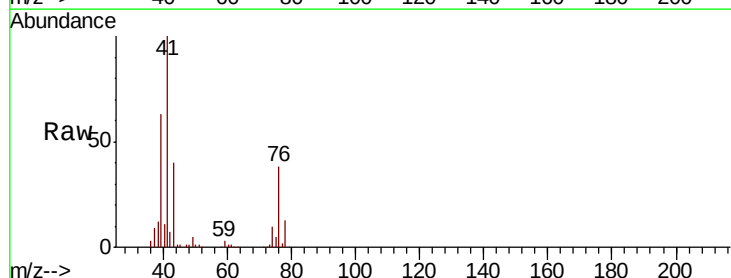
Acq: 08 Oct 2019 12:11

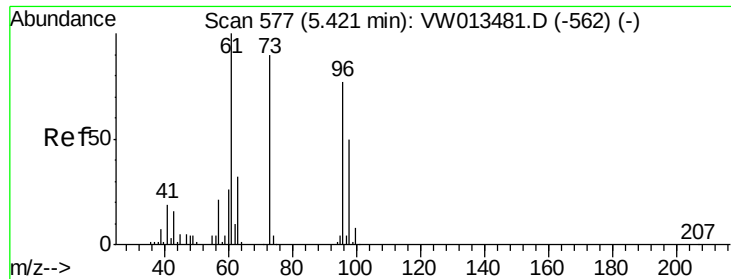
Tgt Ion: 43 Resp: 173574

Ion Ratio Lower Upper

43 100

74 24.4 19.6 29.4





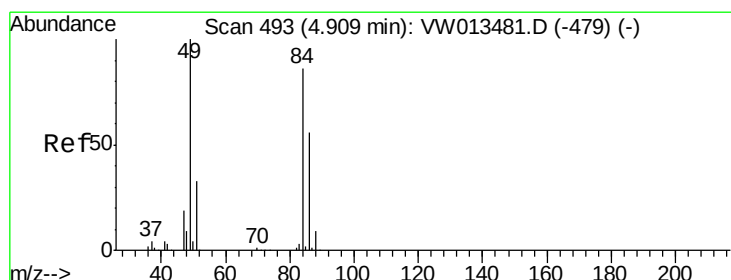
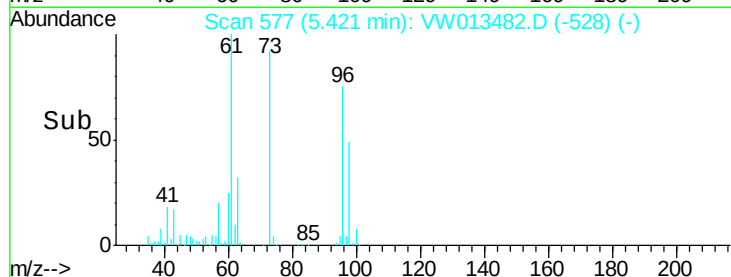
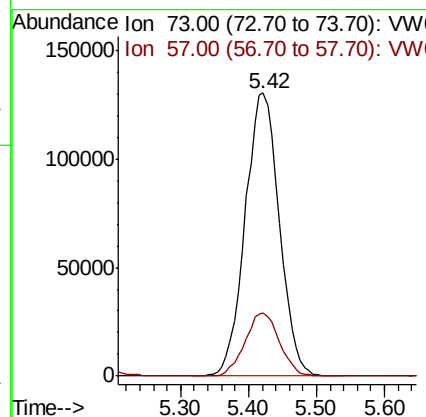
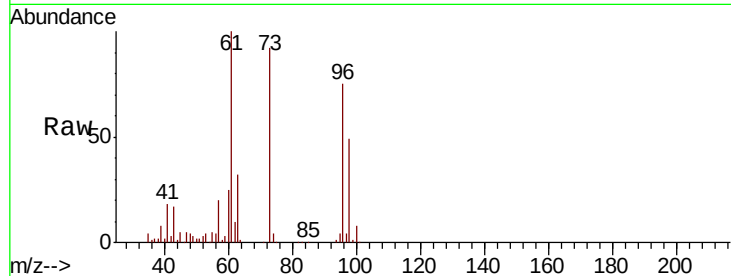
#19
Methyl tert-butyl Ether
Concen: 98.628 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.6	27.8

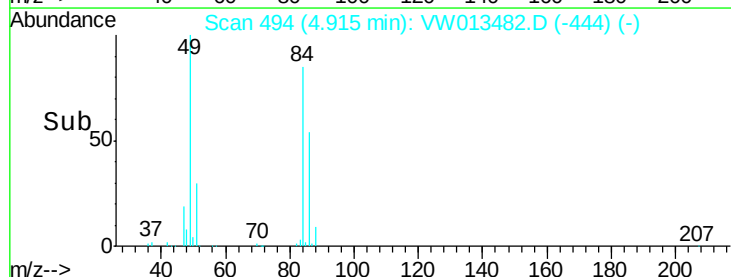
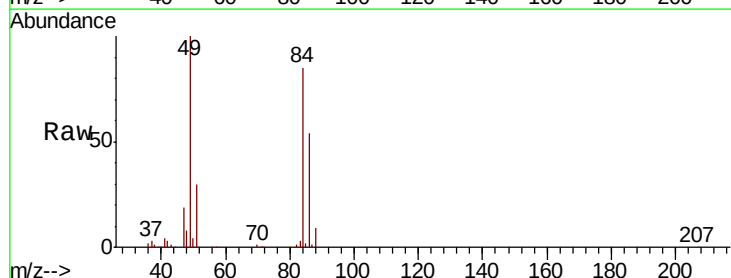
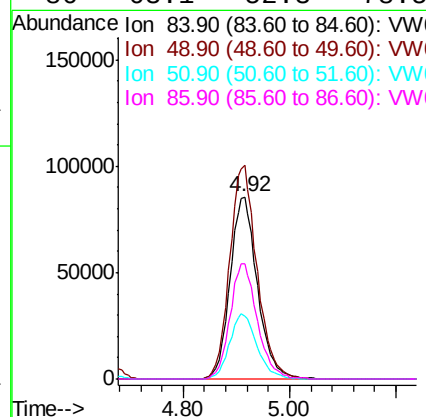
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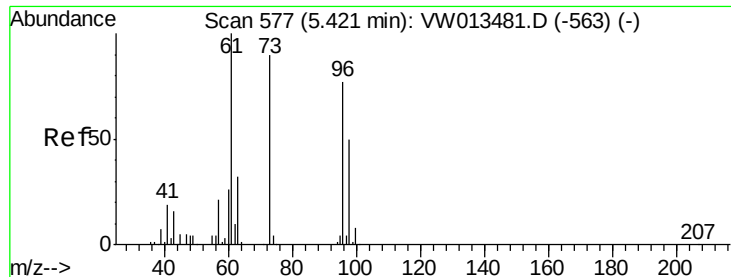
MMDadoda
10/9/2019 4:08:51 PM



#20
Methylene Chloride
Concen: 87.698 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.2	93.4	140.0
51	34.6	30.6	46.0
86	63.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 99.727 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

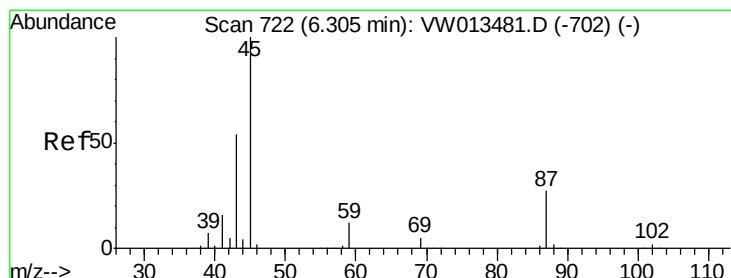
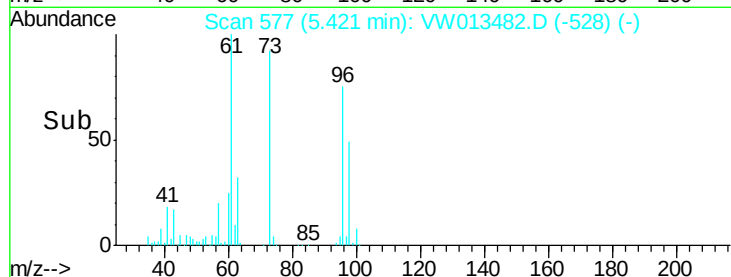
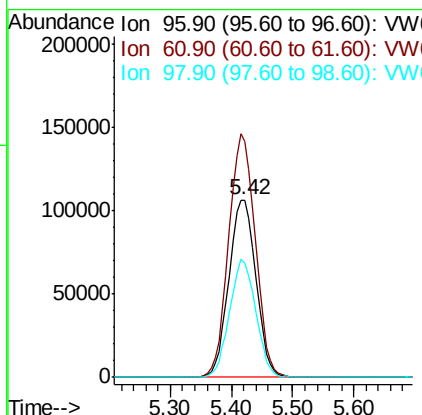
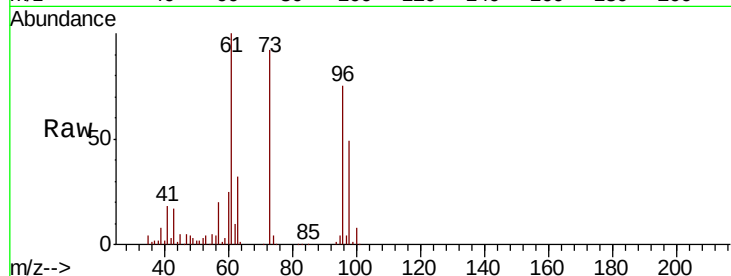
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	324040
Ion	Ratio	Lower	Upper
96	100		
61	132.6	104.3	156.5
98	64.6	51.8	77.8

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#22

Diisopropyl ether

Concen: 102.716 ug/l

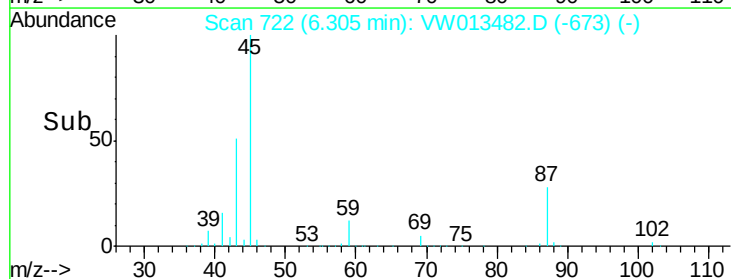
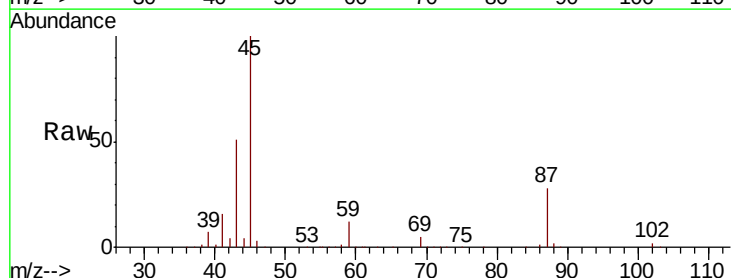
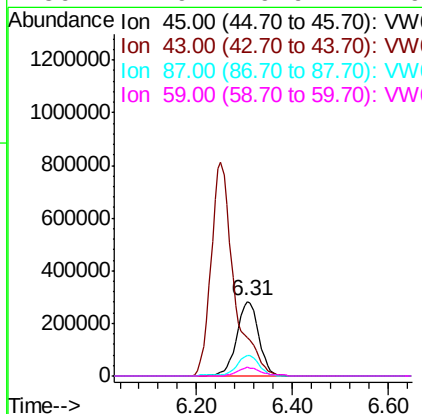
RT: 6.31 min Scan# 722

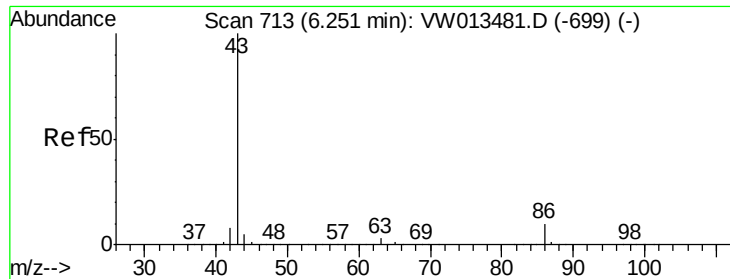
Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Tgt Ion:	45	Resp:	904349
Ion	Ratio	Lower	Upper
45	100		
43	51.3	43.4	65.0
87	27.9	22.1	33.1
59	11.9	9.9	14.9





#23

Vinyl Acetate

Concen: 507.166 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2680818

Ion Ratio Lower Upper

43 100

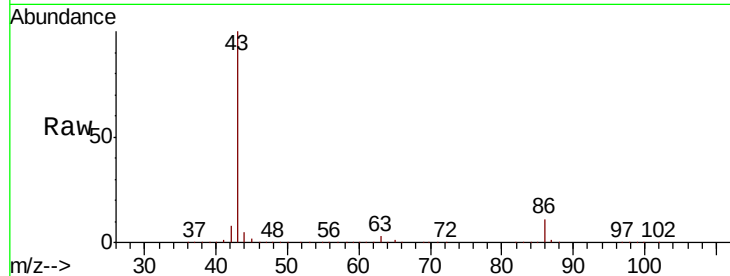
86 11.4 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

800000

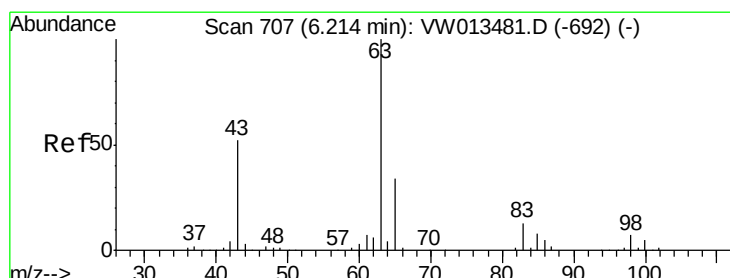
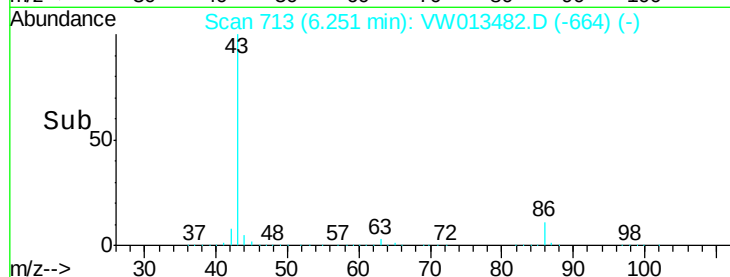
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 100.618 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

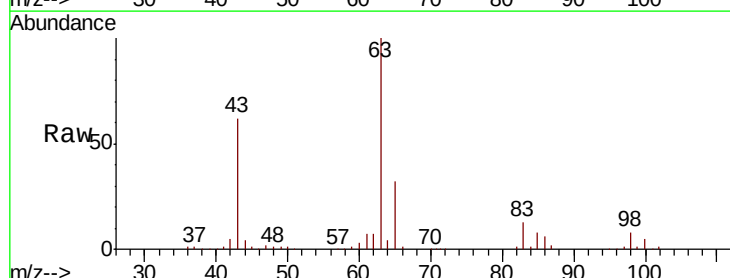
Tgt Ion: 63 Resp: 541456

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.6

100 4.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

250000

200000

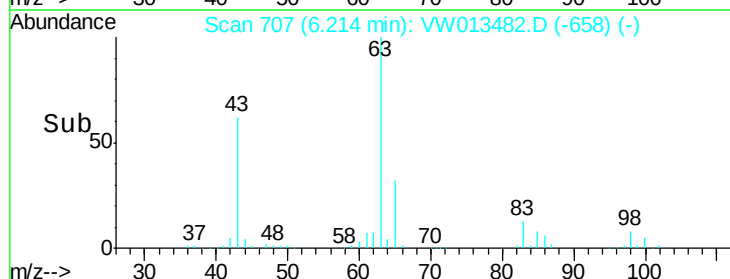
150000

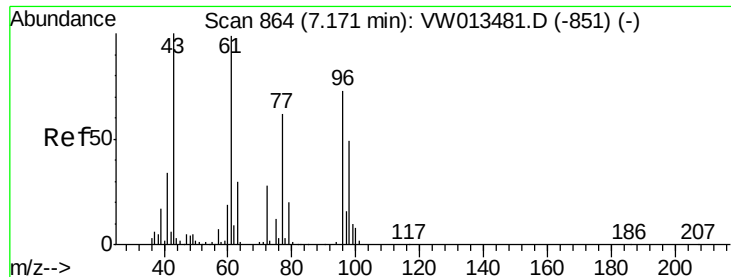
100000

50000

0

Time-->





#25

2-Butanone

Concen: 455.215 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 424953

Ion Ratio Lower Upper

43 100

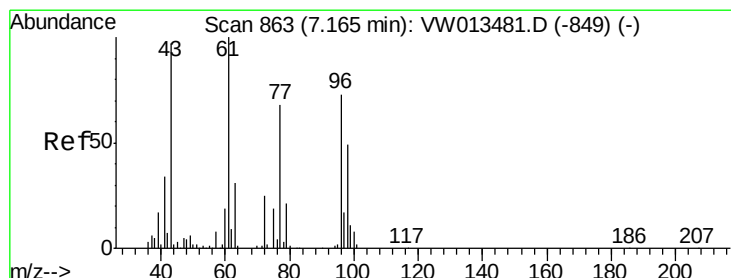
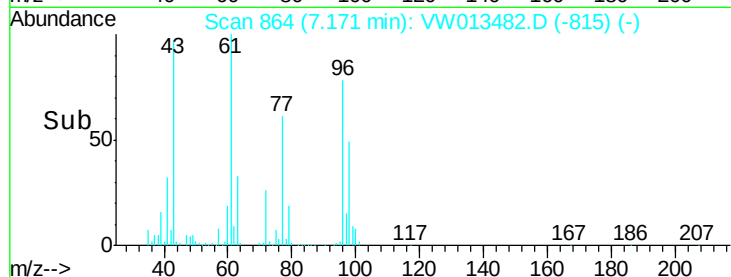
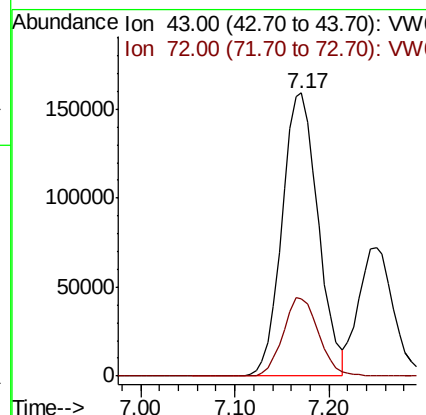
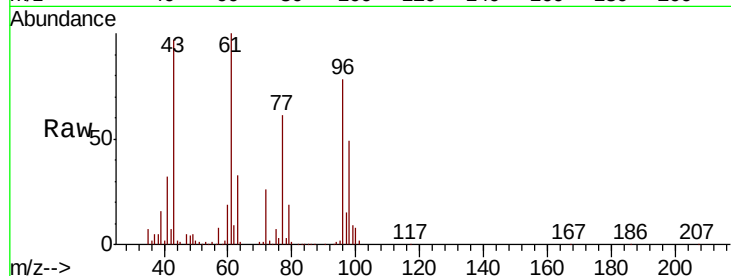
72 27.1 22.1 33.1

Manual Integrations

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10/9/2019 4:08:51 PM



#26

2,2-Dichloropropane

Concen: 91.442 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013482.D

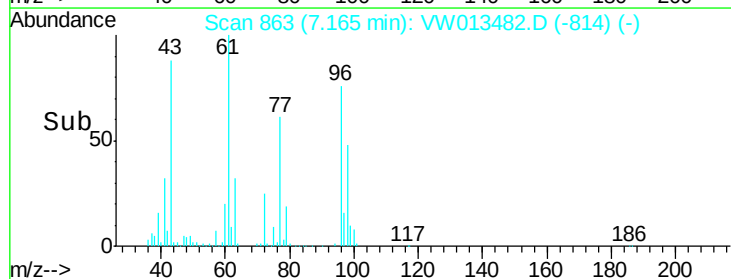
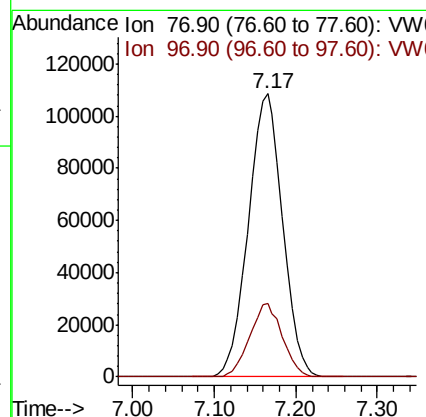
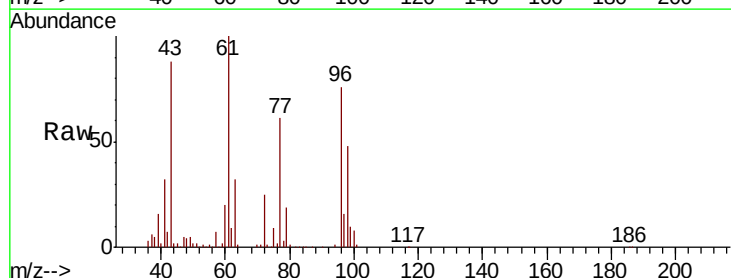
Acq: 08 Oct 2019 12:11

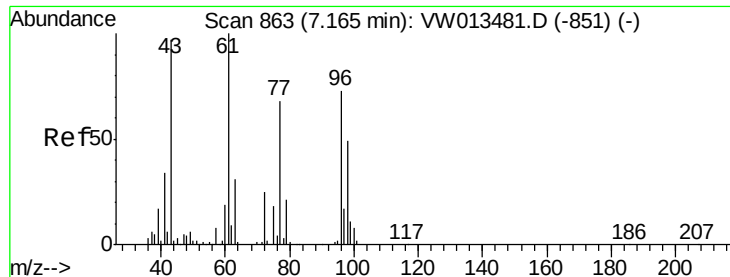
Tgt Ion: 77 Resp: 317225

Ion Ratio Lower Upper

77 100

97 24.8 12.6 37.6





#27

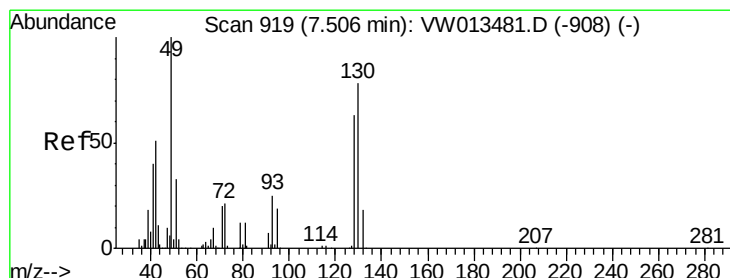
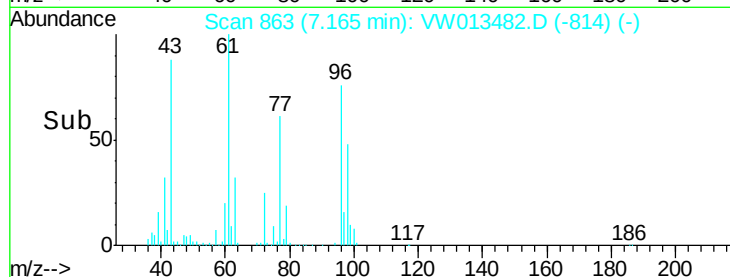
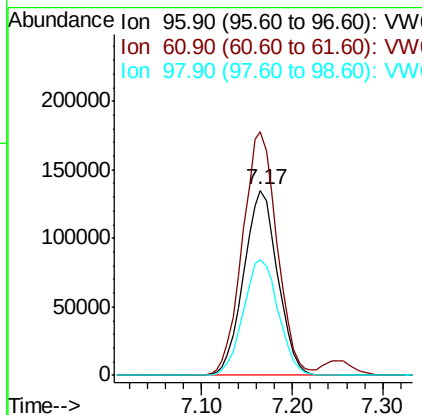
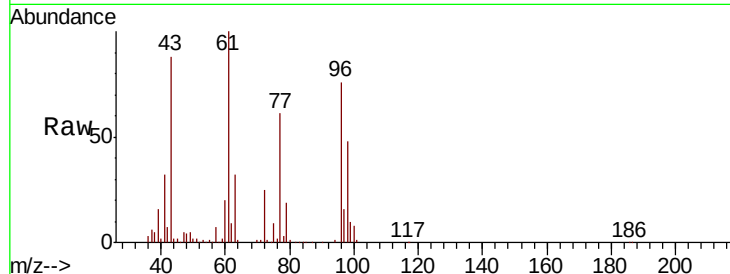
cis-1,2-Dichloroethene
Concen: 101.733 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	274.4
98	64.8	0.0	130.2

Manual Integrations
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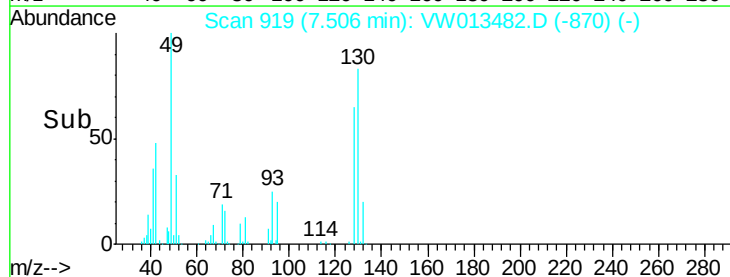
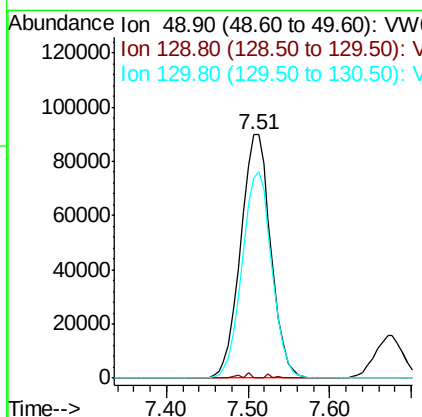
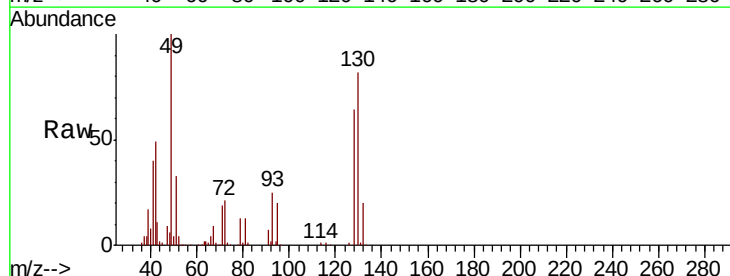
MMDadoda
10/9/2019 4:08:51 PM

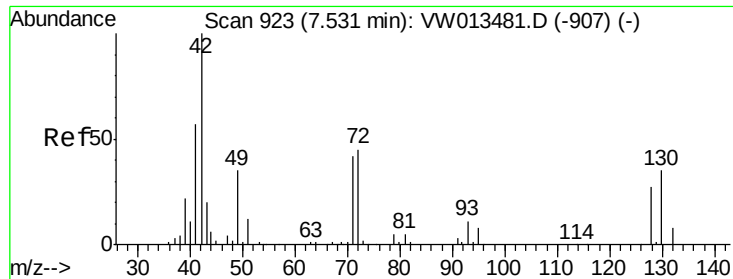


#28

Bromochloromethane
Concen: 120.309 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.6
130	83.4	0.0	0.0#





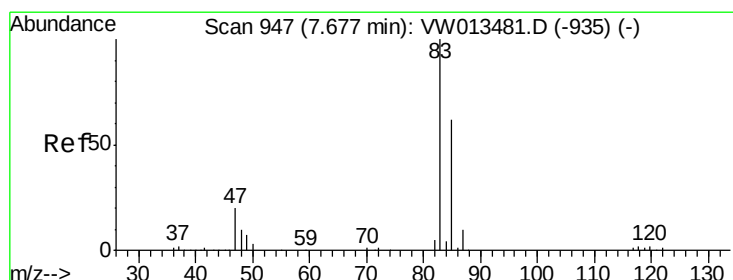
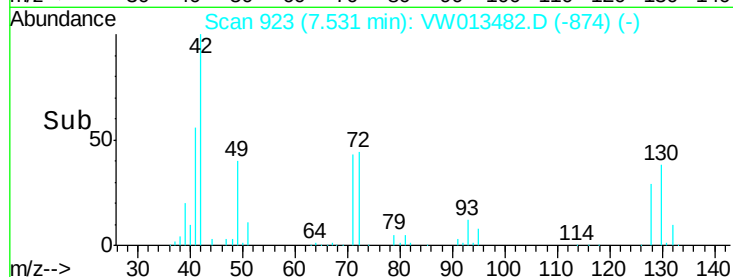
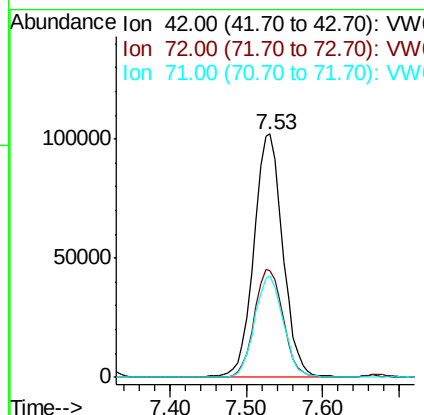
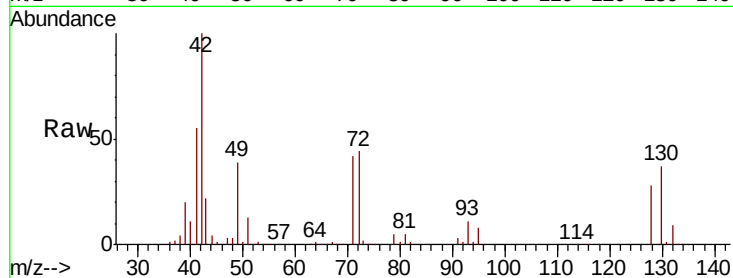
#29
Tetrahydrofuran
Concen: 473.324 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.8	52.2
71	41.3	33.6	50.4

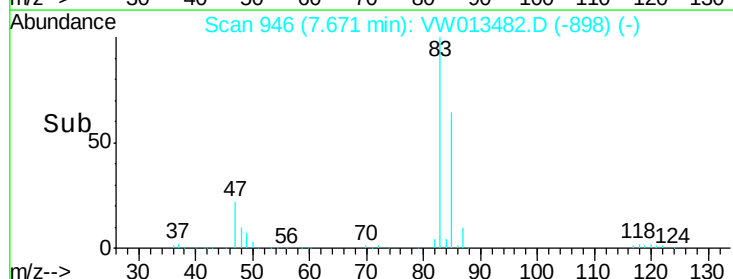
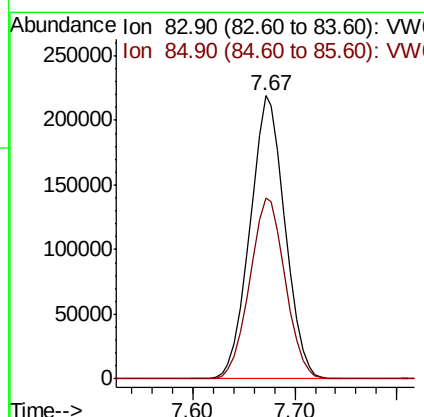
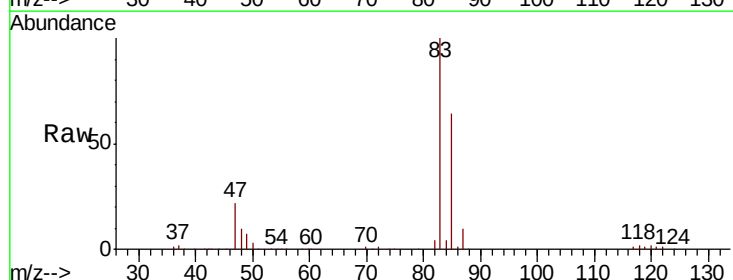
Manual Integrations
APPROVED

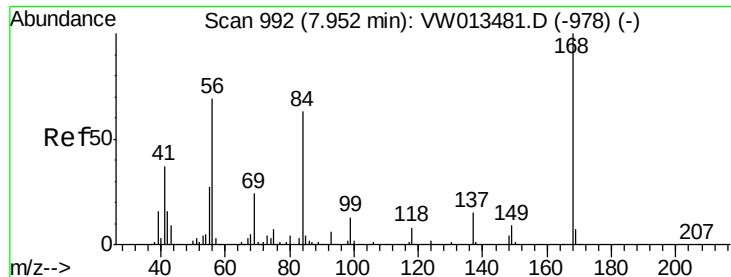
MMDadoda
10/9/2019 4:08:51 PM



#30
Chloroform
Concen: 100.151 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.4	74.2





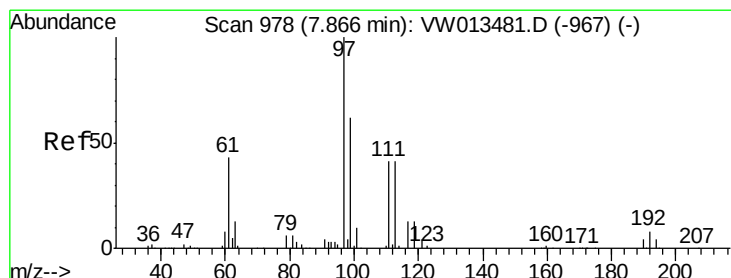
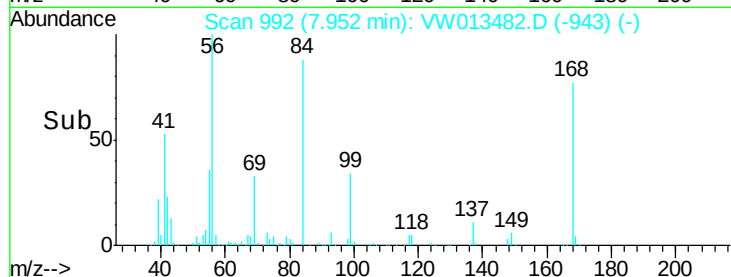
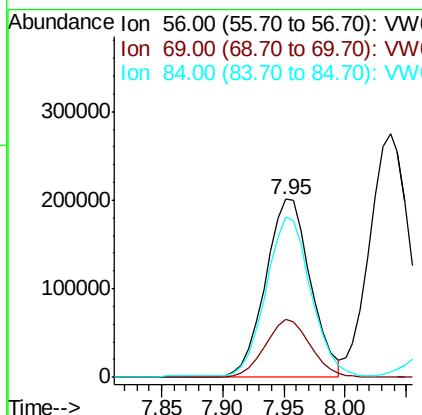
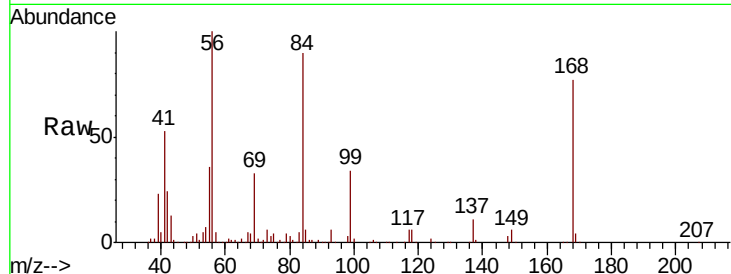
#31
Cyclohexane
Concen: 90.710 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	28.0	42.0
84	88.8	71.8	107.6

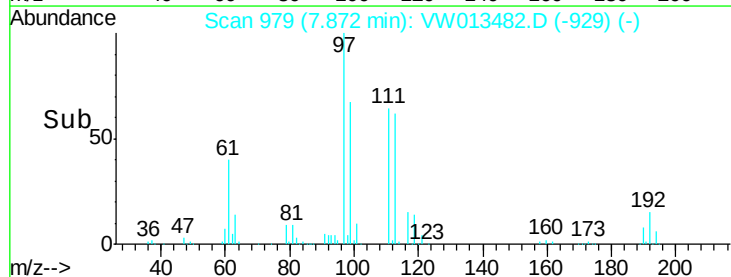
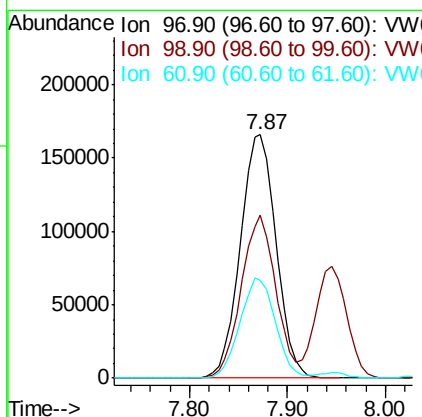
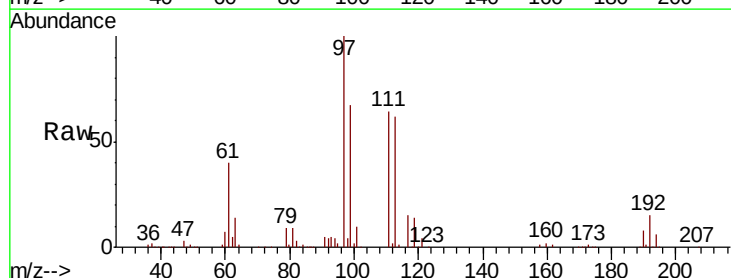
Manual Integrations
APPROVED

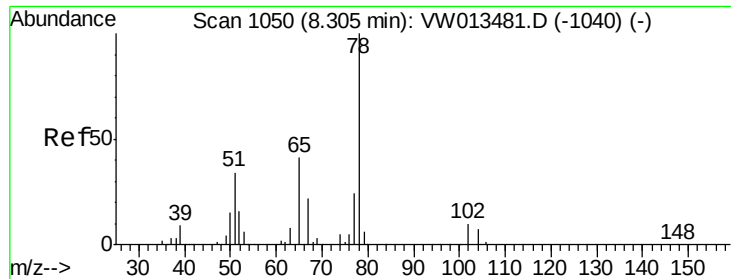
MMDadoda
10/9/2019 4:08:51 PM



#32
1,1,1-Trichloroethane
Concen: 99.864 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.3	78.5
61	41.0	33.7	50.5





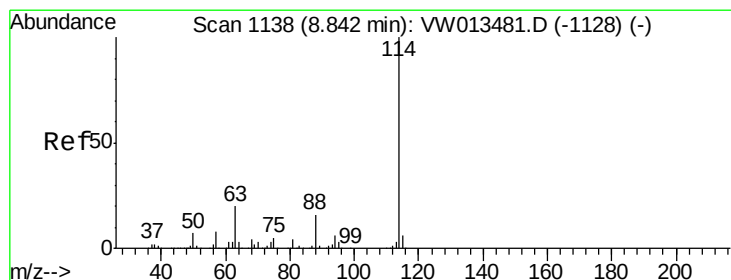
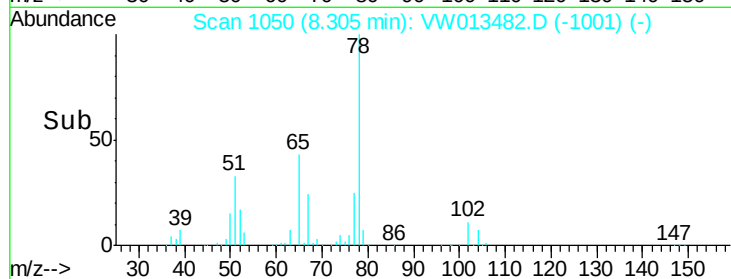
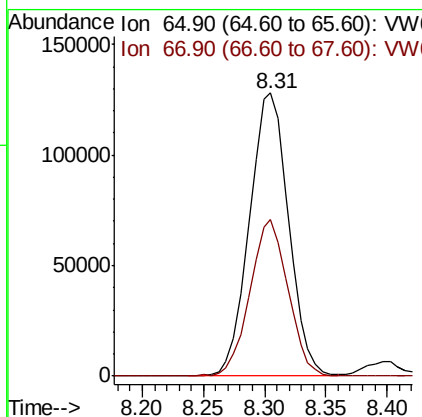
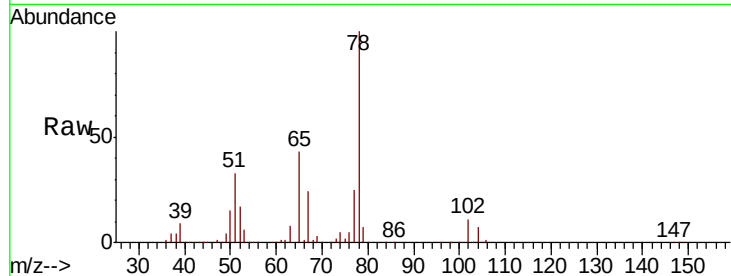
#33
 1,2-Dichloroethane-d4
 Concen: 104.710 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	285022		
67	54.0	0.0	109.4	

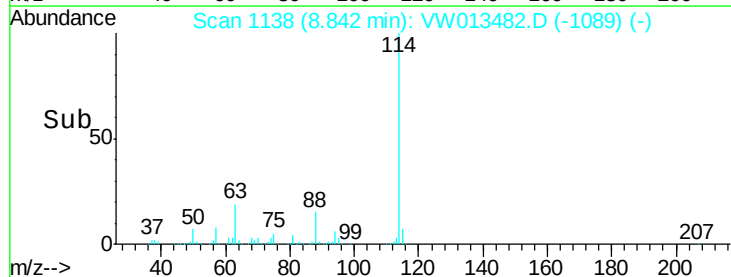
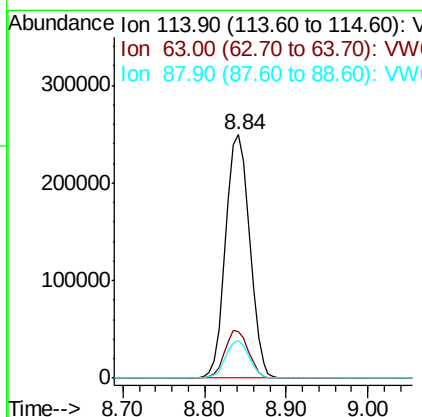
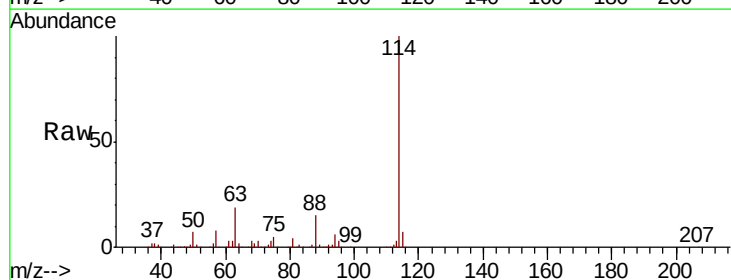
Manual Integrations
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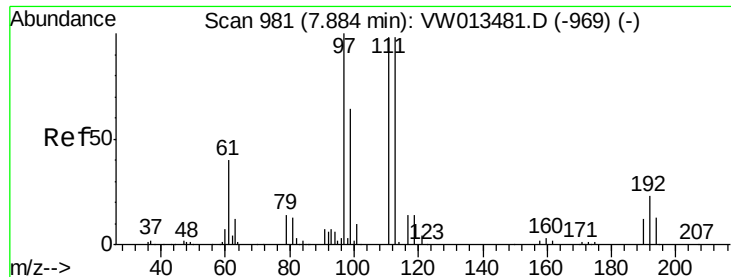
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	507614		
63	19.1	0.0	40.4	
88	15.3	0.0	31.4	





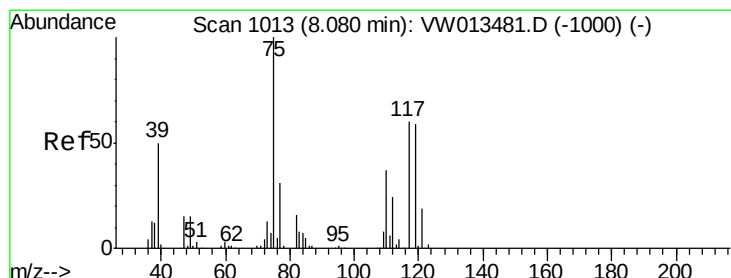
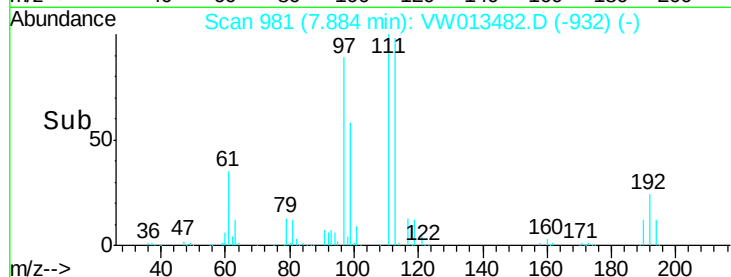
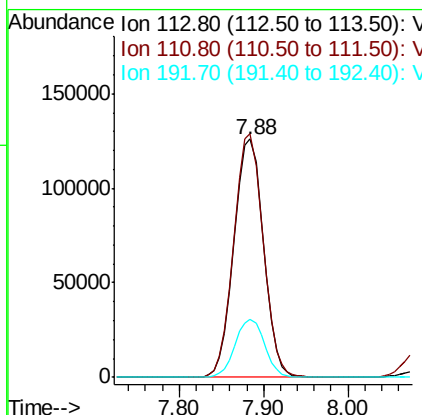
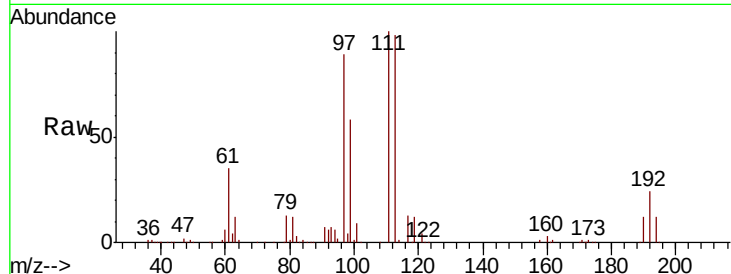
#35
 Dibromofluoromethane
 Concen: 105.338 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	298647		
111	101.7	82.3	123.5	
192	24.2	19.3	28.9	

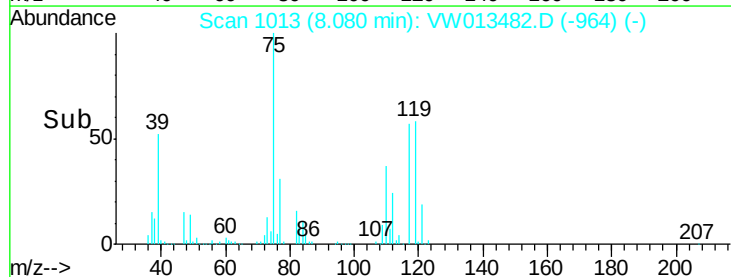
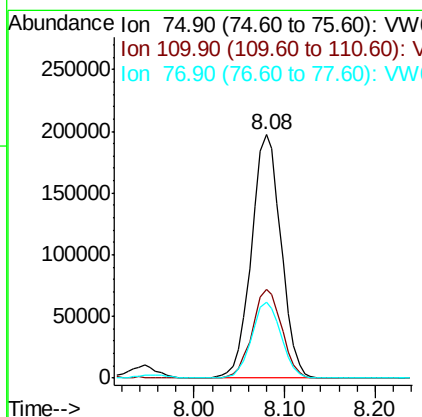
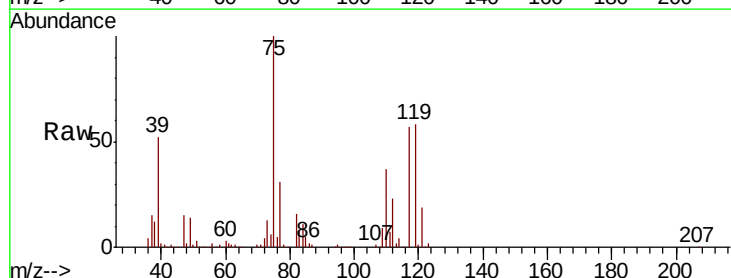
Manual Integrations
 APPROVED

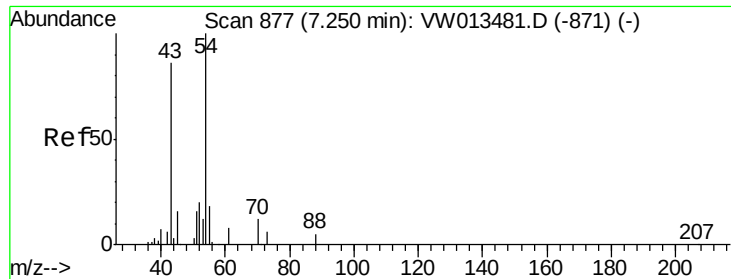
MMDadoda
 10/9/2019 4:08:51 PM



#36
 1,1-Dichloropropene
 Concen: 96.819 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	444592		
110	36.6	18.4	55.2	
77	31.3	25.0	37.4	





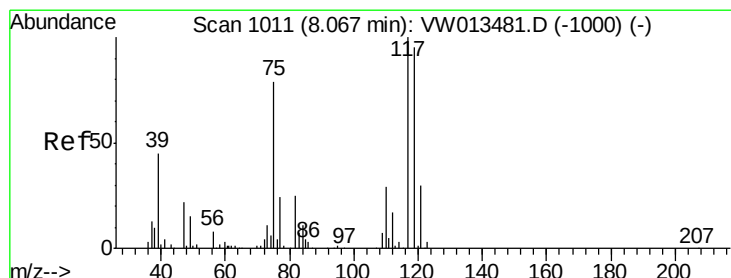
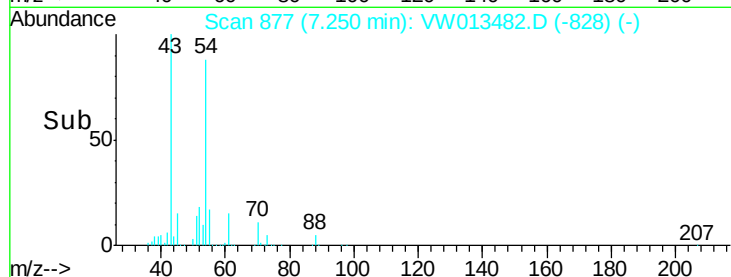
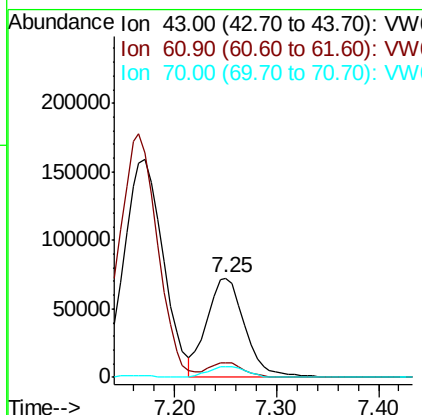
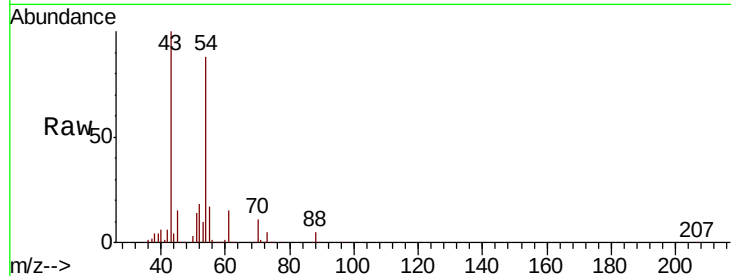
#37
Ethyl Acetate
Concen: 90.138 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	11.2	9.2	13.8

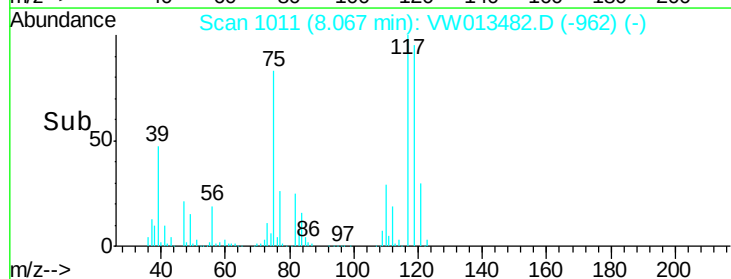
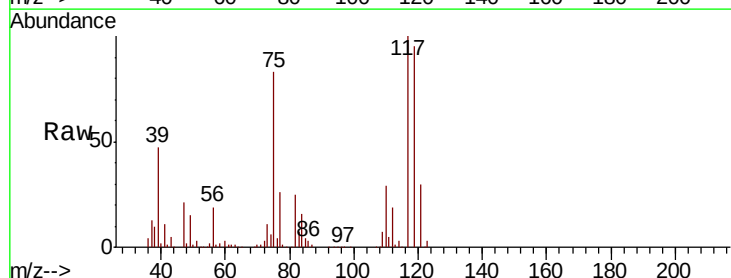
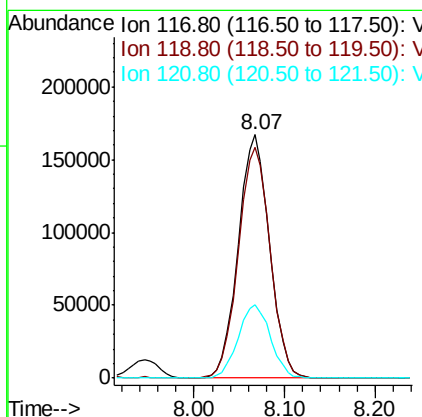
Manual Integrations
APPROVED

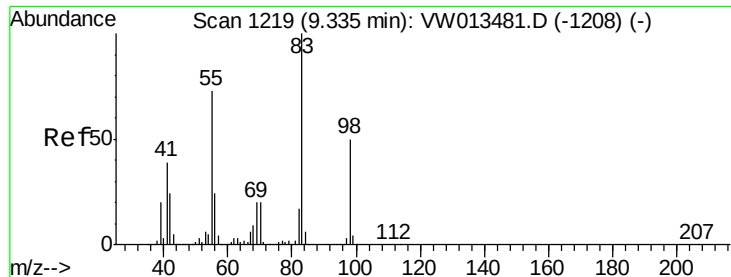
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#38
Carbon Tetrachloride
Concen: 97.849 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.3	114.5
121	30.2	23.6	35.4





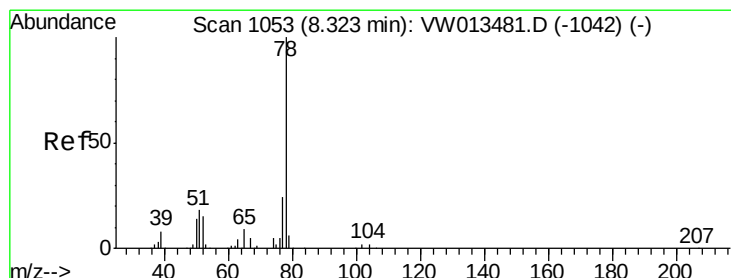
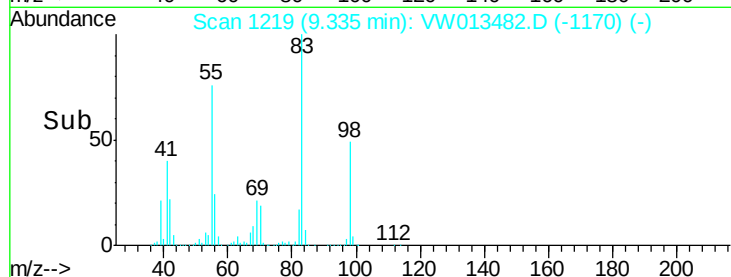
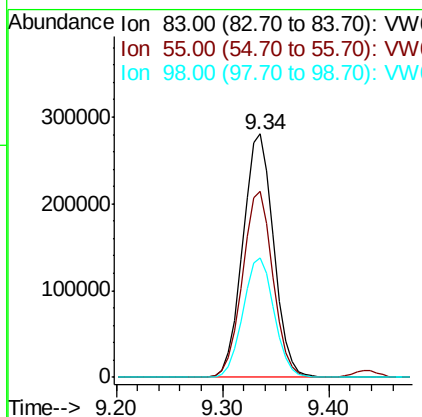
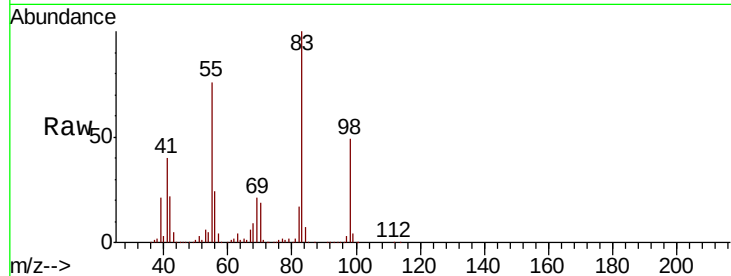
#39
Methylvlcyclohexane
Concen: 96.073 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	58.2	87.4
98	49.1	39.8	59.6

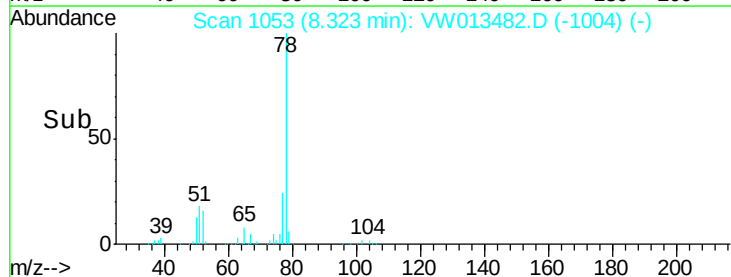
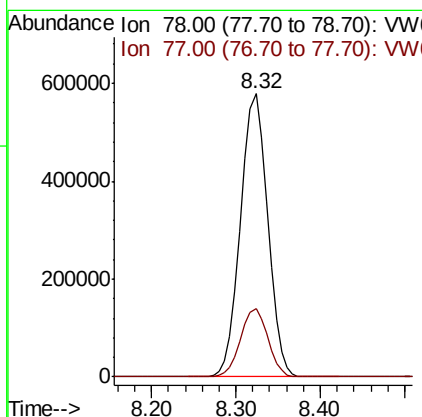
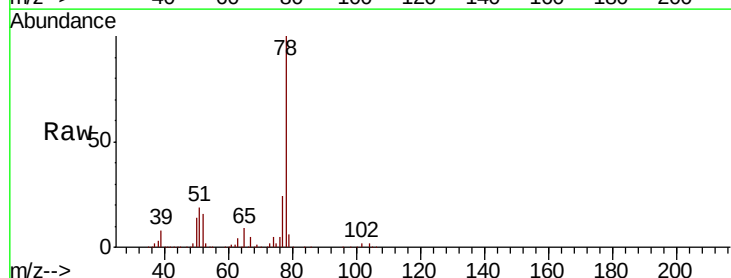
Manual Integrations
APPROVED

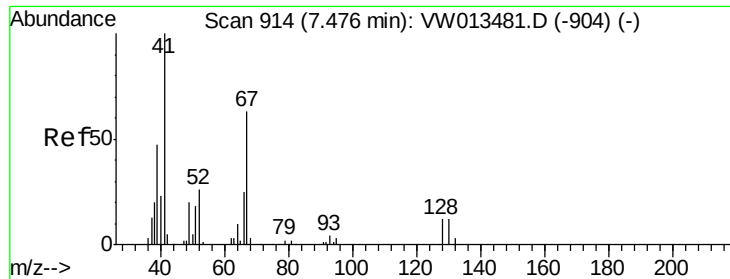
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#40
Benzene
Concen: 98.427 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





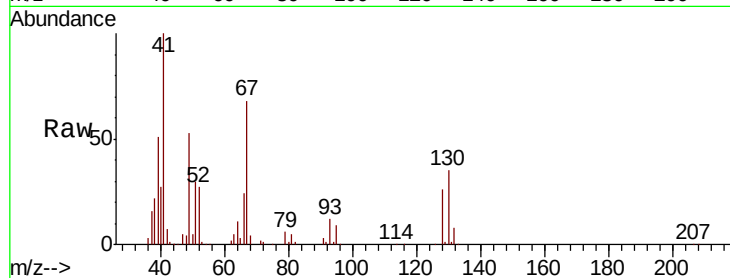
#41
Methacrylonitrile
Concen: 96.000 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.1	39.4	59.0	
67	71.4	57.0	85.6	
52	29.0	22.4	33.6	

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:51 PM



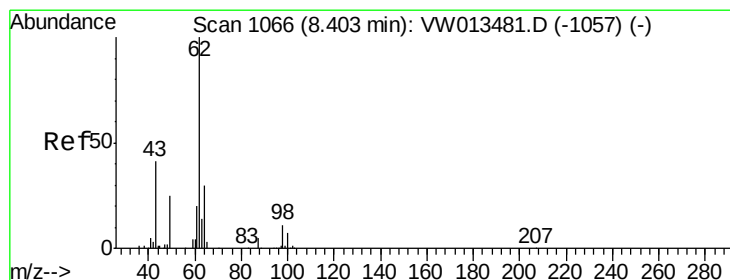
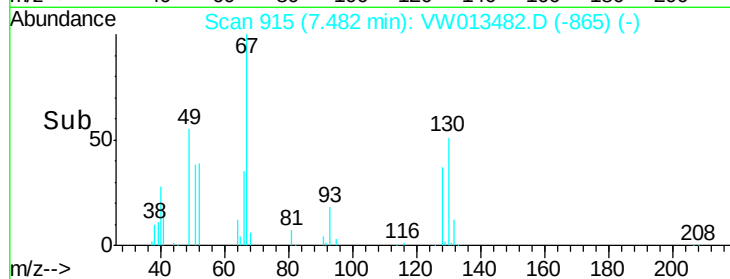
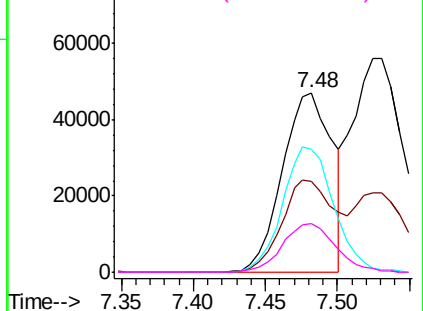
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

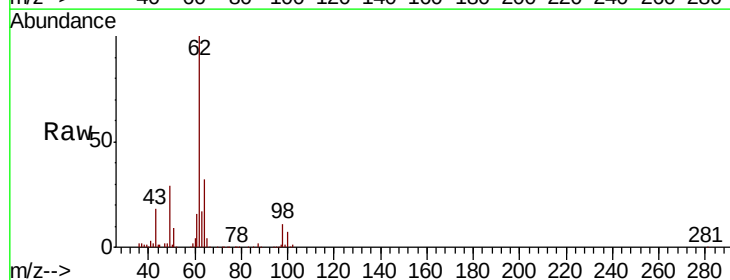
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 99.500 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

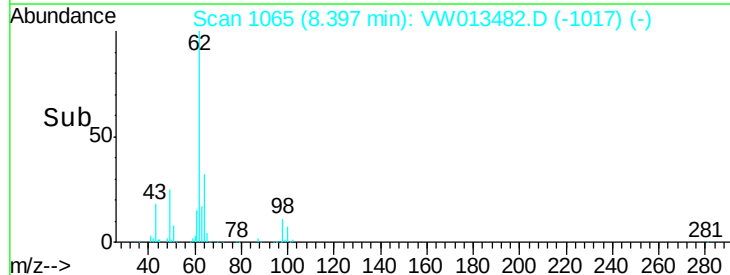
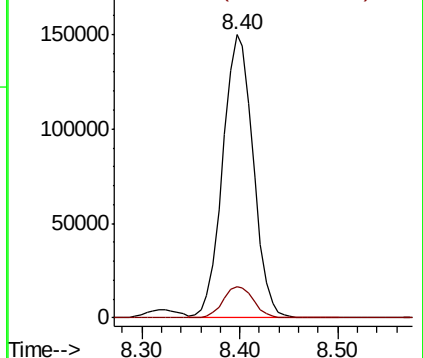
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.0	0.0	21.4	

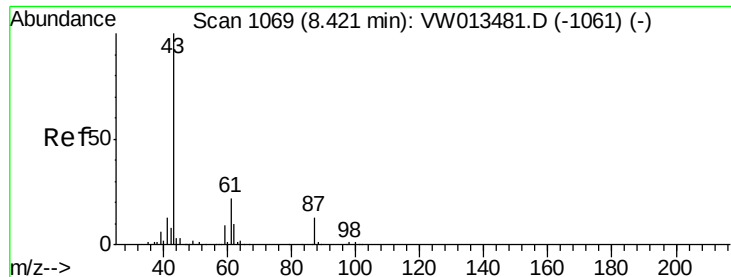


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 97.477 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

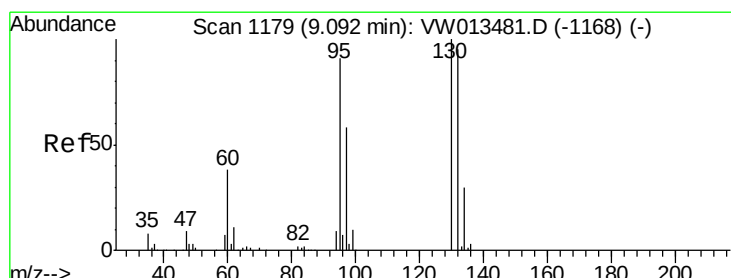
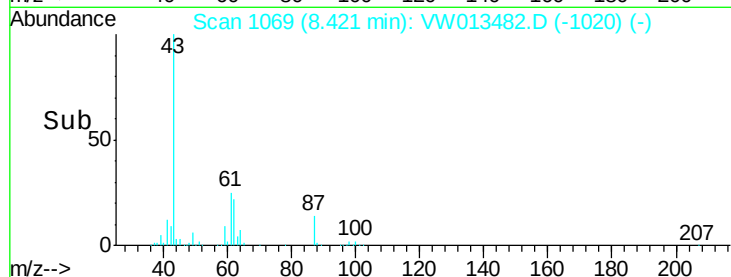
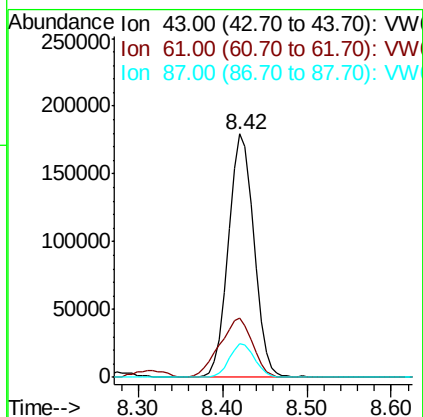
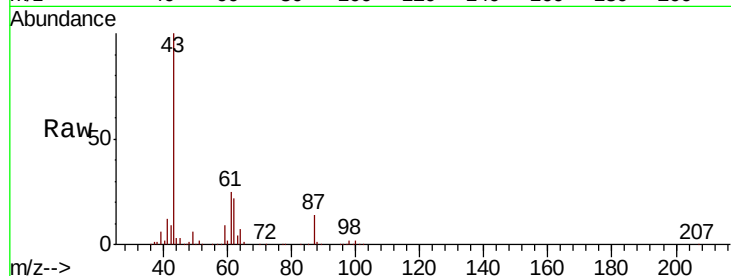
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	366912
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.4	38.2
87	13.8	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 99.152 ug/l

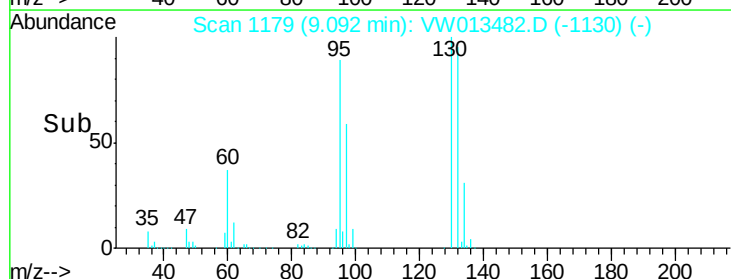
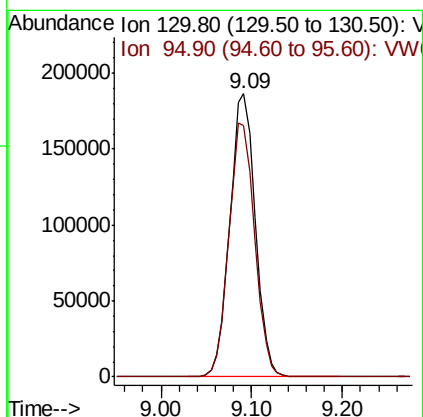
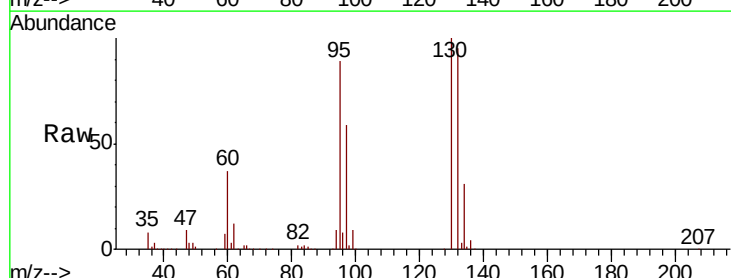
RT: 9.09 min Scan# 1179

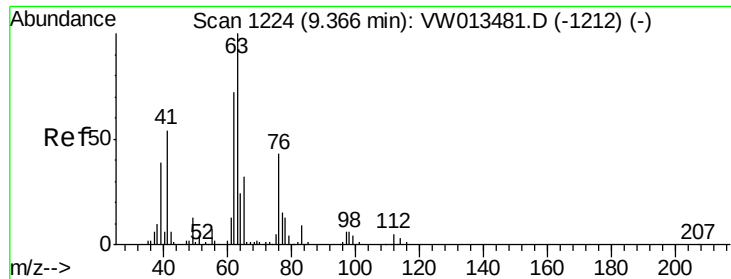
Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Tgt Ion:	130	Resp:	362581
Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	182.2





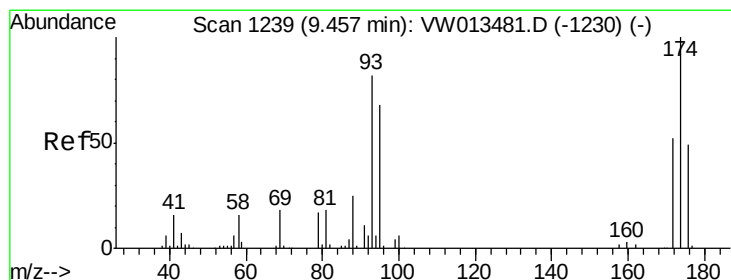
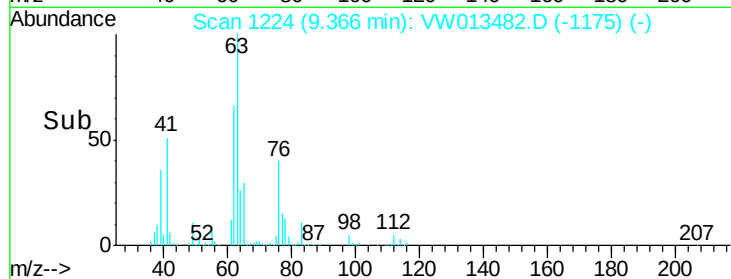
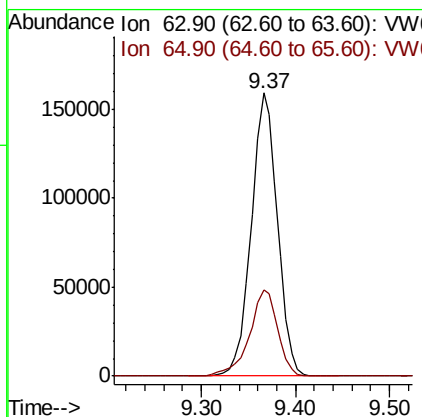
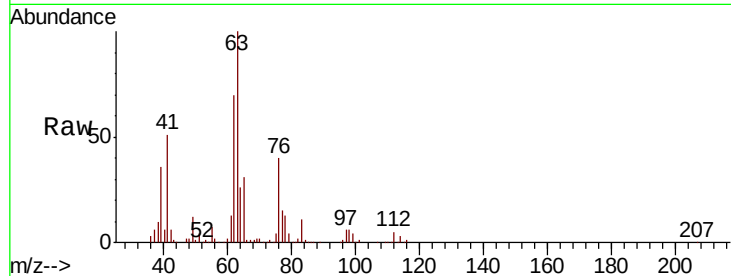
#45
 1,2-Dichloropropane
 Concen: 101.096 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.8	38.6

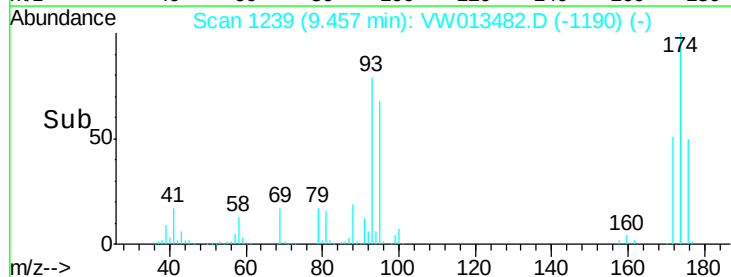
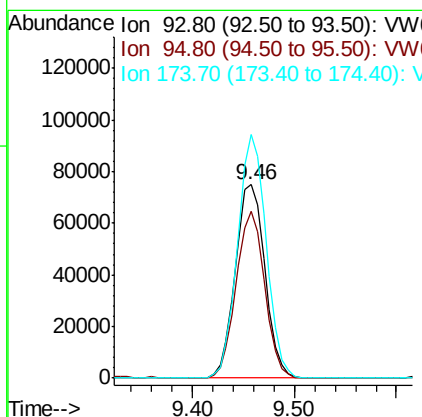
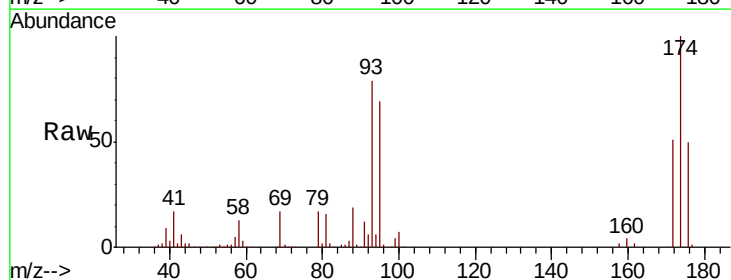
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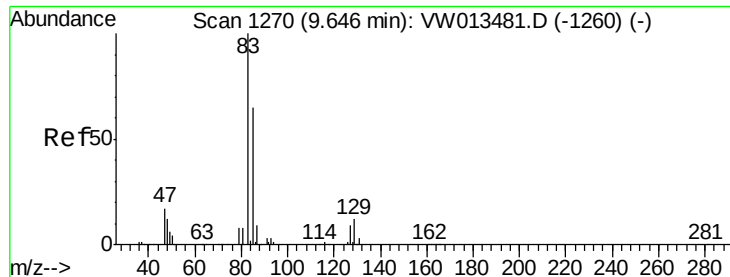
MMDadoda
 10/9/2019 4:08:51 PM



#46
 Dibromomethane
 Concen: 98.347 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	68.0	102.0
174	121.6	97.0	145.6





#47

Bromodichloromethane

Concen: 103.085 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

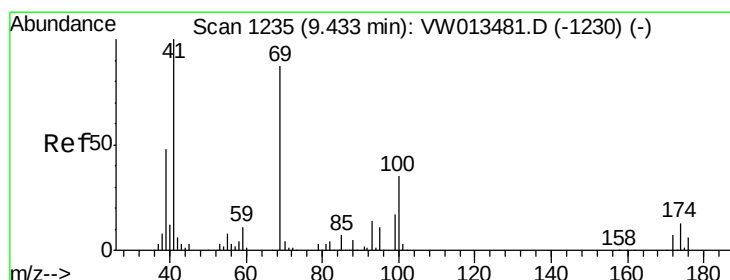
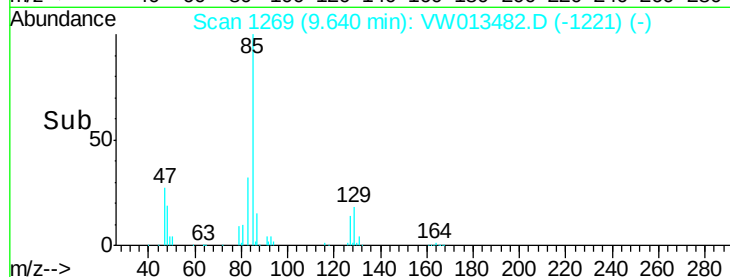
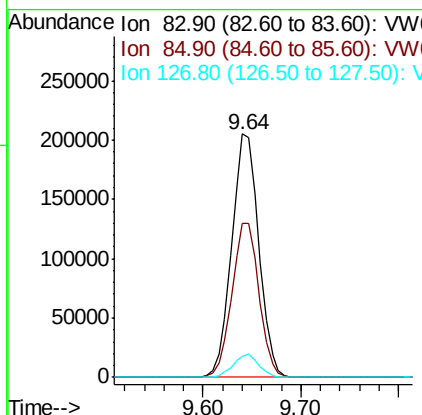
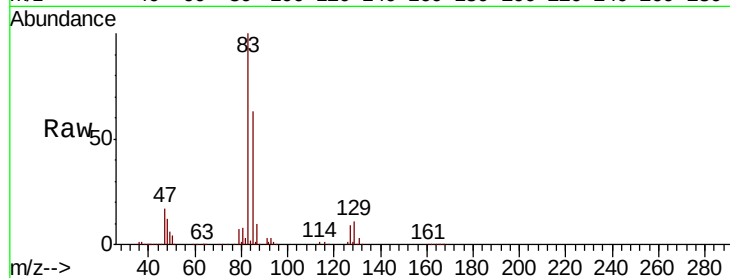
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	392762
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.9	77.9
127	8.6	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 99.696 ug/l

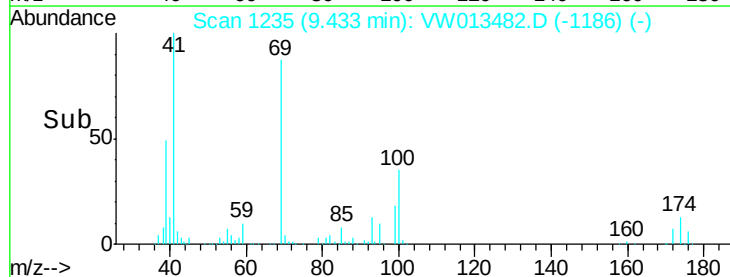
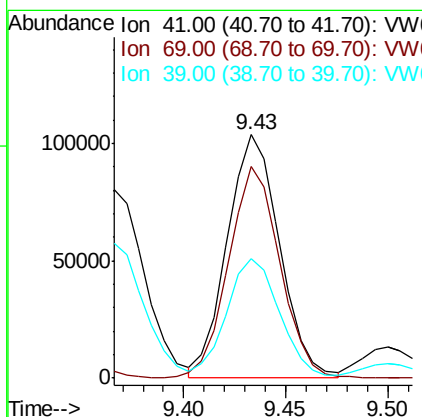
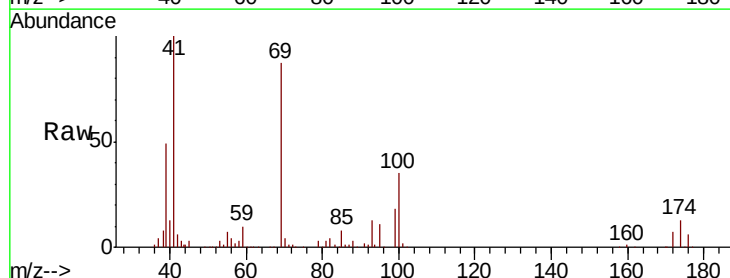
RT: 9.43 min Scan# 1235

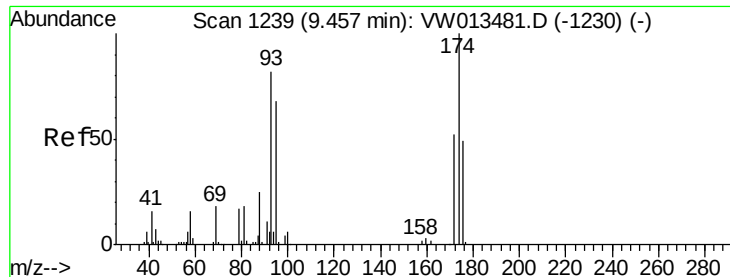
Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Tgt Ion:	41	Resp:	184848
Ion Ratio	Lower	Upper	
41	100		
69	85.7	70.4	105.6
39	47.2	37.3	55.9





#49

1,4-Dioxane

Concen: 1764.095 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

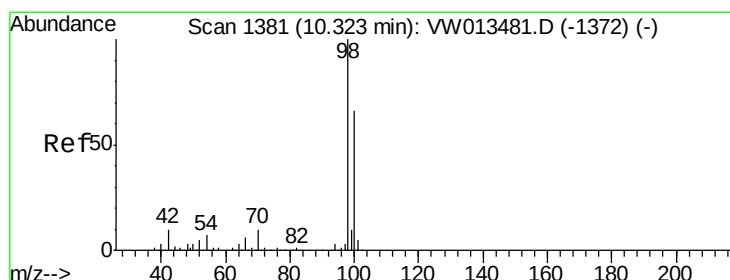
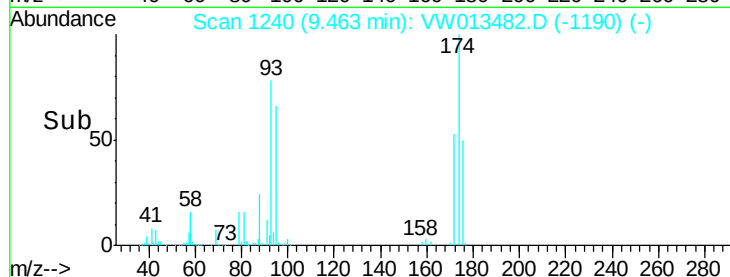
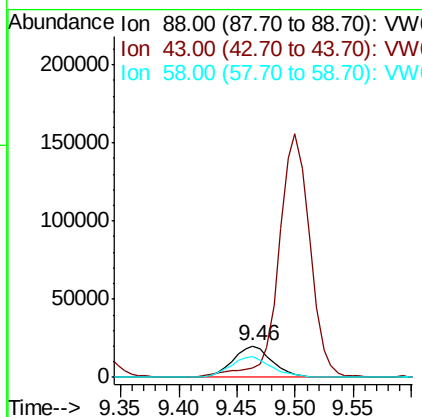
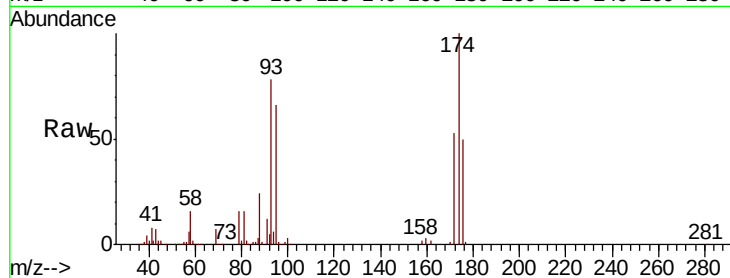
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	47477
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.5	60.0	90.0

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#50

Toluene-d8

Concen: 104.740 ug/l

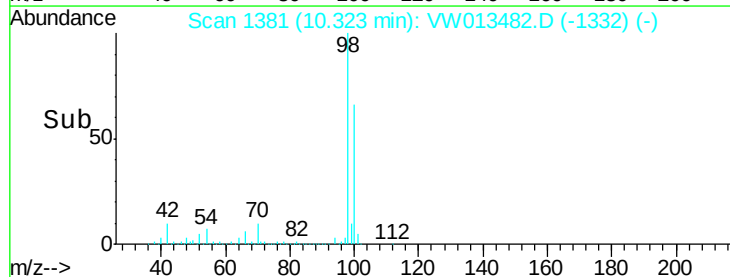
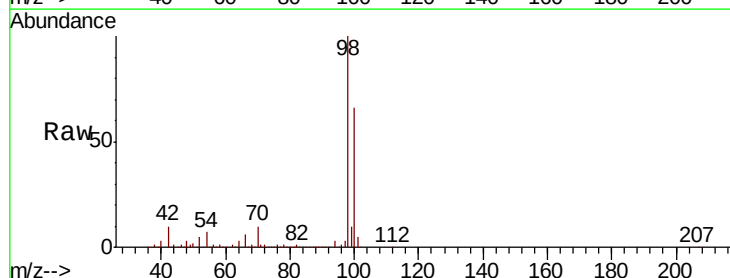
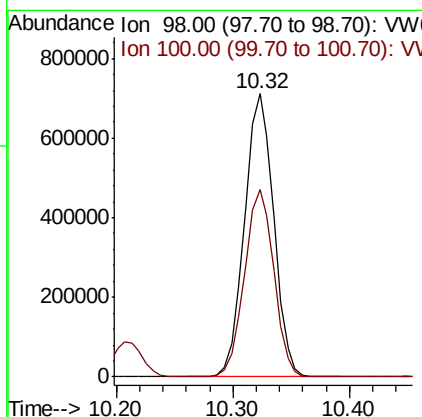
RT: 10.32 min Scan# 1381

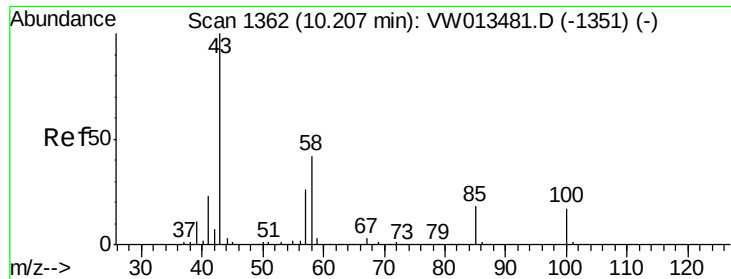
Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Tgt Ion:	98	Resp:	1247913
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.2	79.8





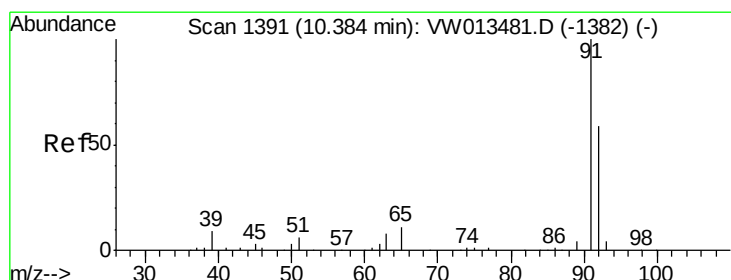
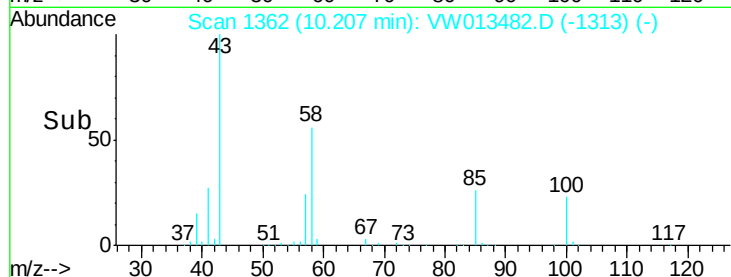
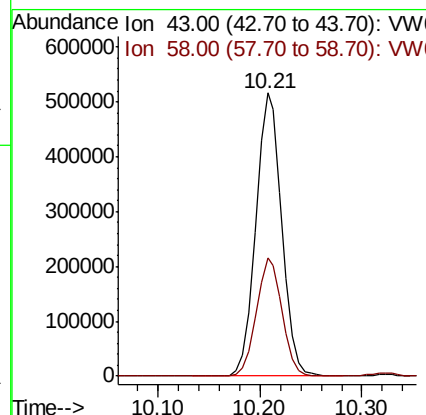
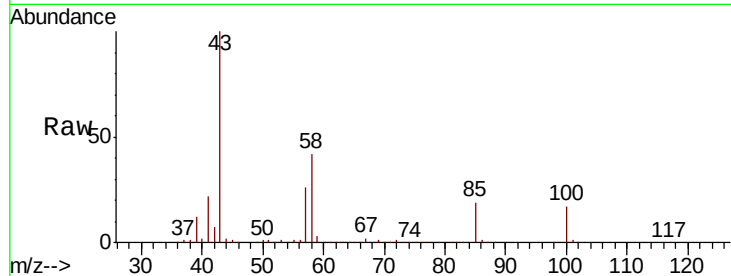
#51
4-Methyl-2-Pentanone
Concen: 459.727 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	32.8	49.2

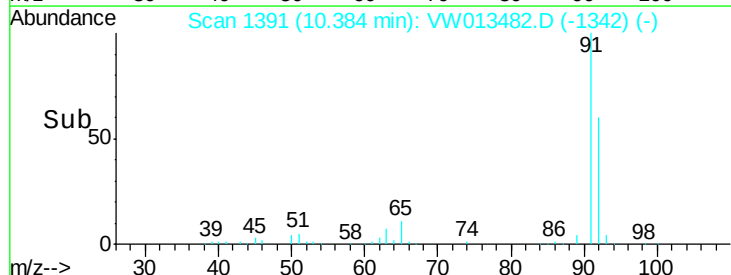
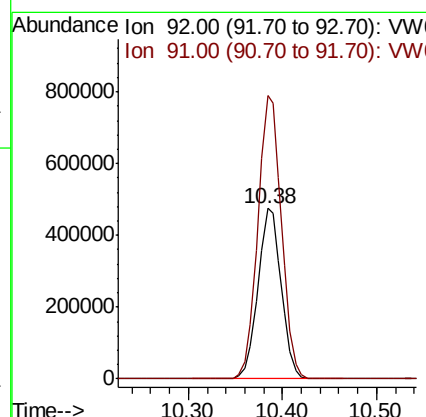
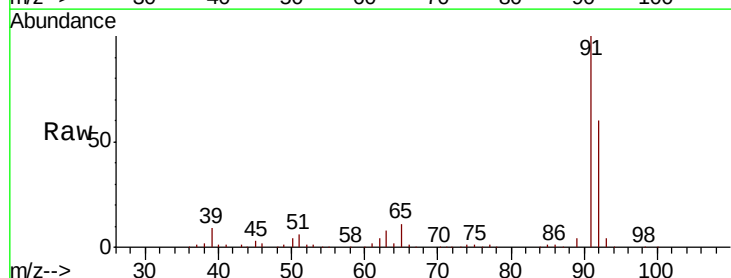
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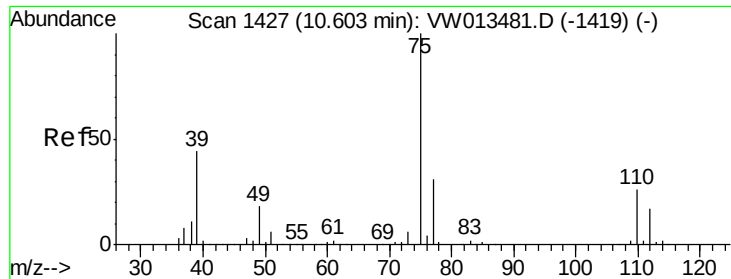
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#52
Toluene
Concen: 100.154 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.8	134.8	202.2





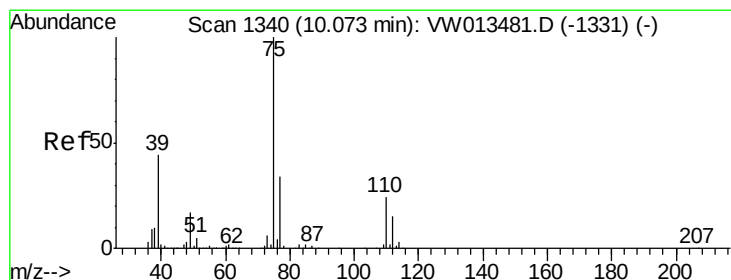
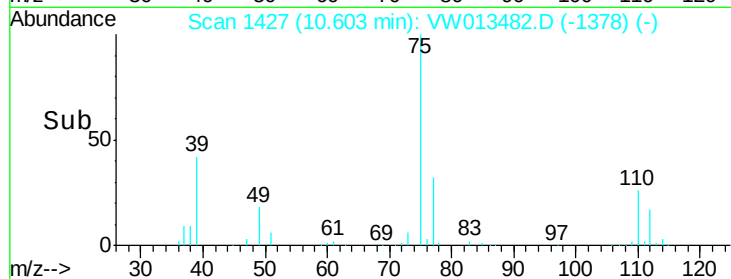
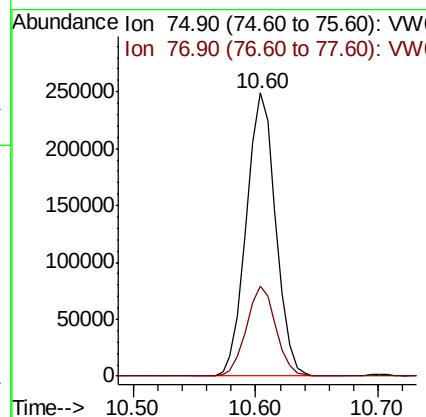
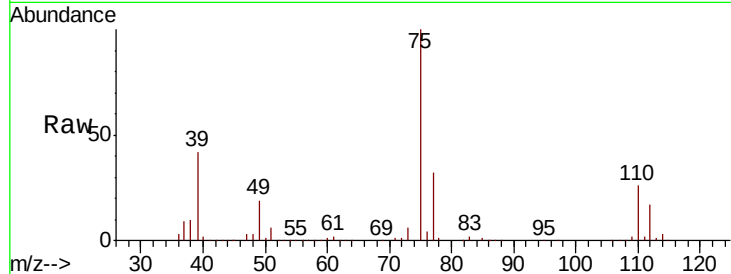
#53
 t-1,3-Dichloropropene
 Concen: 104.666 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 75 Resp: 414379
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.2 37.8

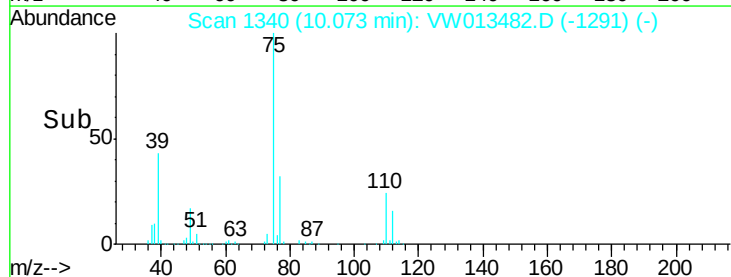
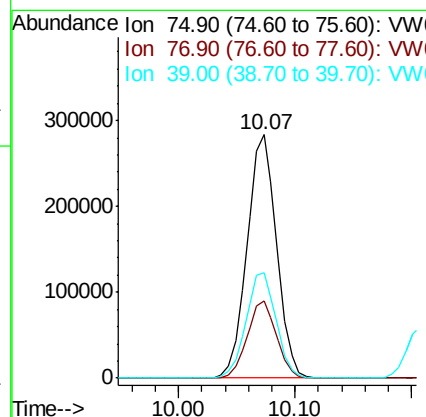
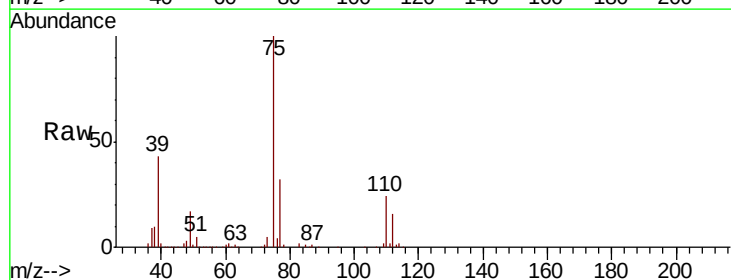
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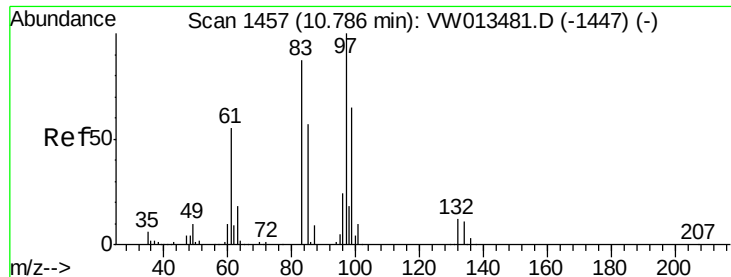
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#54
 cis-1,3-Dichloropropene
 Concen: 104.299 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion: 75 Resp: 500264
 Ion Ratio Lower Upper
 75 100
 77 31.9 27.0 40.4
 39 43.4 35.0 52.4





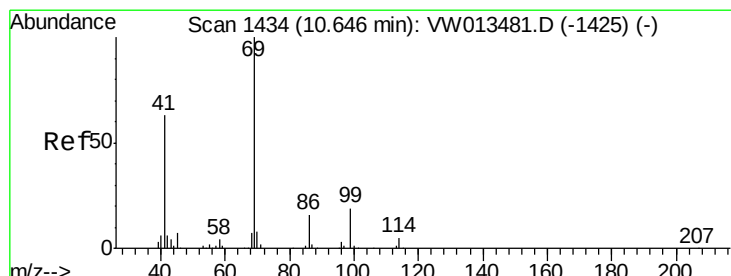
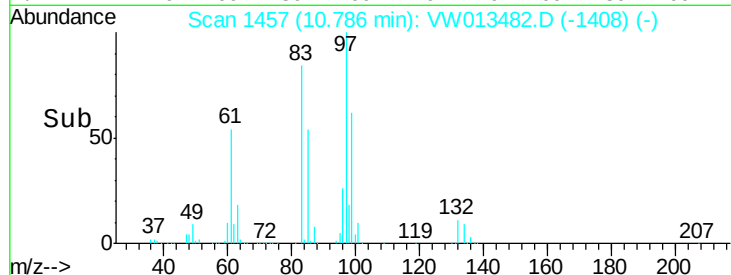
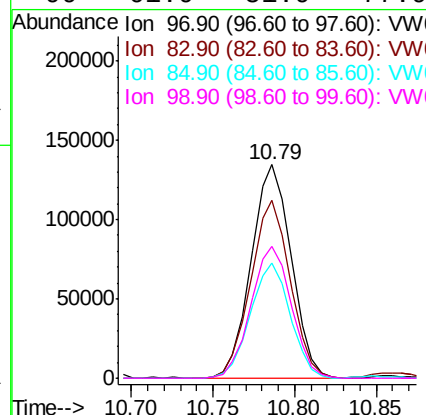
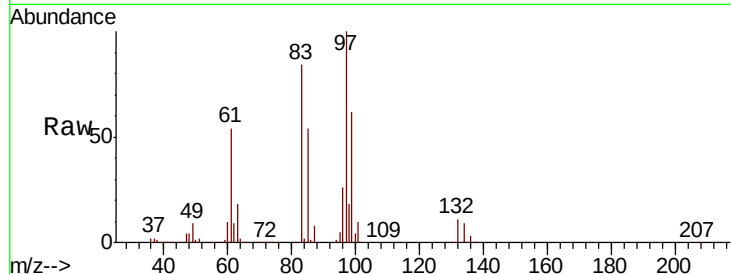
#55
 1,1,2-Trichloroethane
 Concen: 100.024 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	230118
Ion	Ratio	Lower	Upper
97	100		
83	83.5	69.8	104.8
85	53.7	45.4	68.0
99	61.9	51.9	77.9

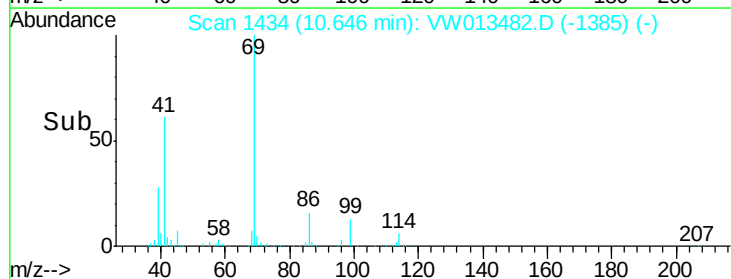
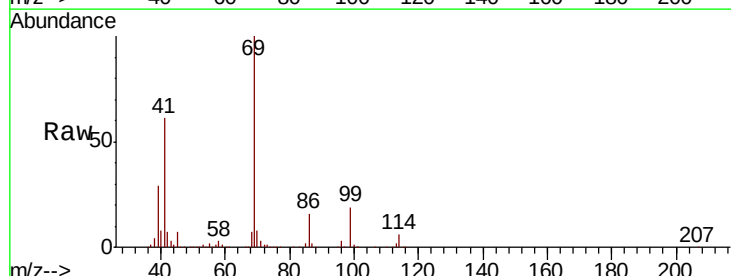
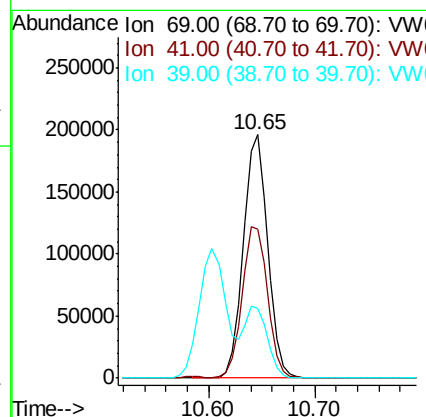
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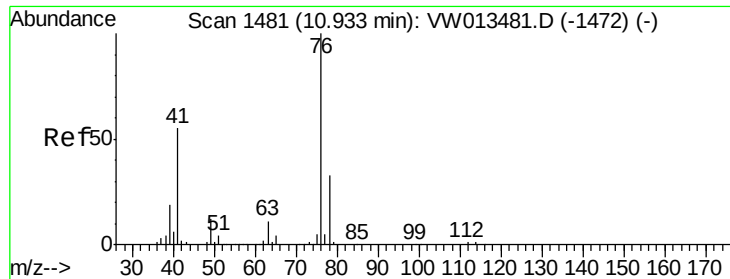
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#56
 Ethyl methacrylate
 Concen: 101.976 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion:	69	Resp:	315981
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.8	77.6
39	27.2	21.7	32.5





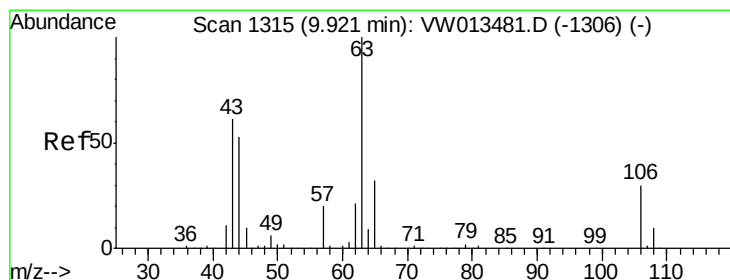
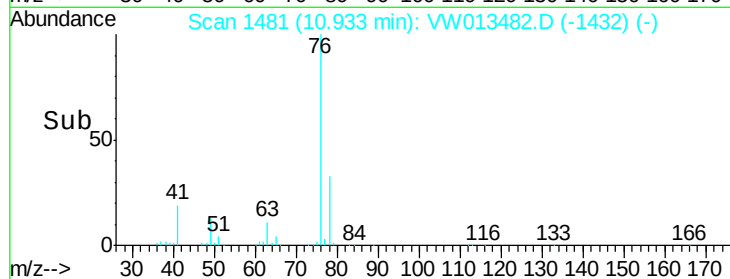
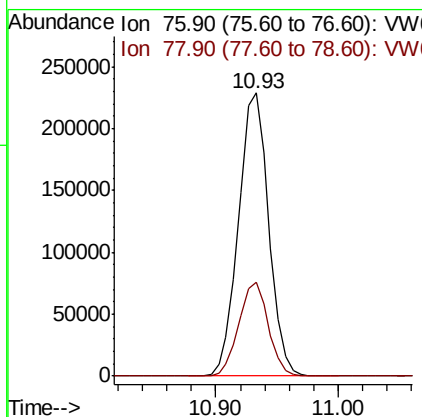
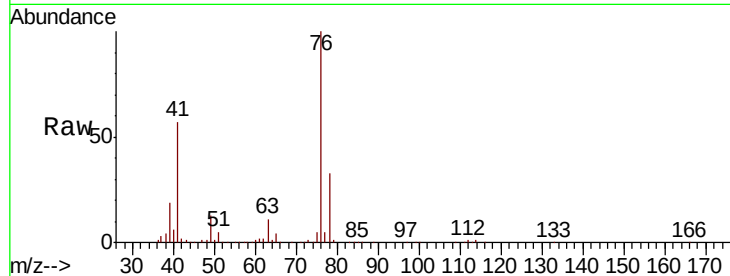
#57
 1,3-Dichloropropane
 Concen: 99.015 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 391149
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9

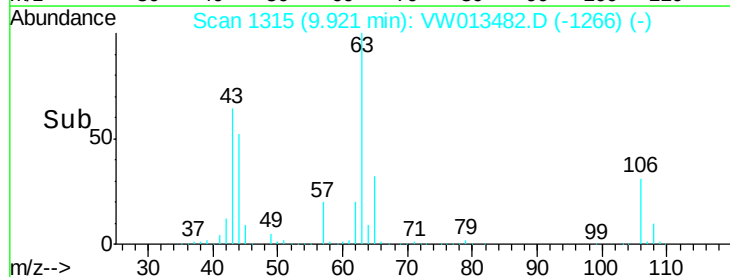
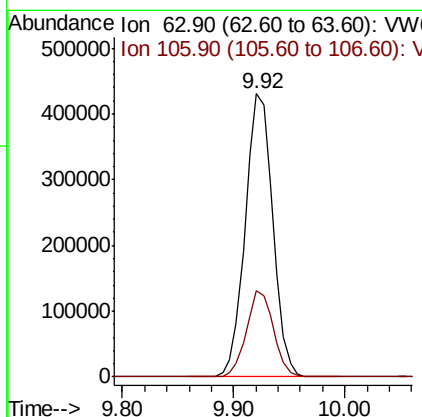
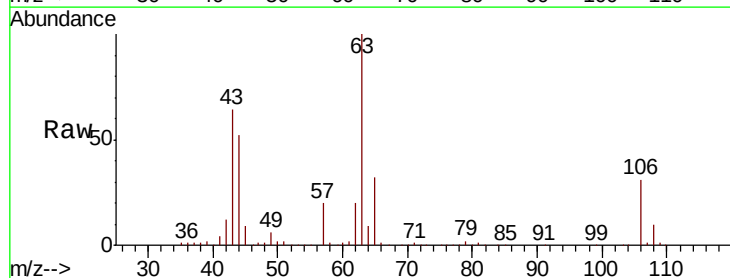
Manual Integrations
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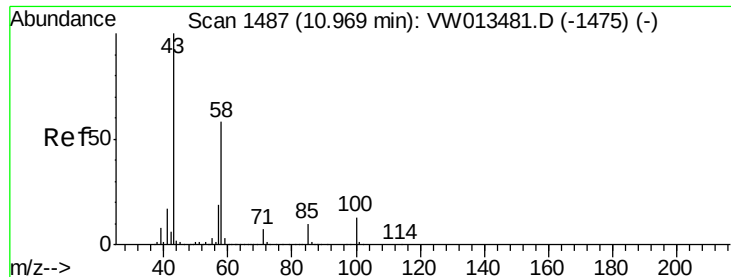
MMDadoda
 10/9/2019 4:08:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 507.014 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion: 63 Resp: 741175
 Ion Ratio Lower Upper
 63 100
 106 30.0 24.5 36.7





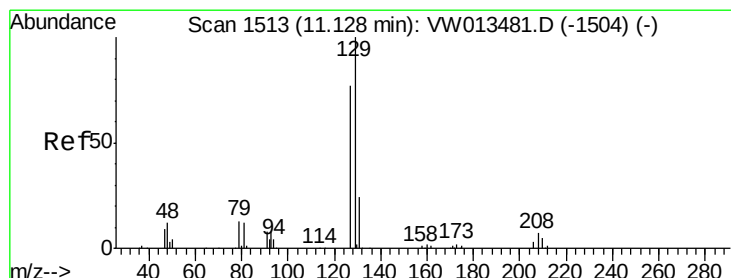
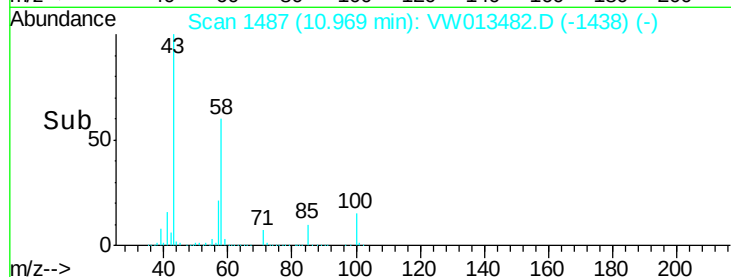
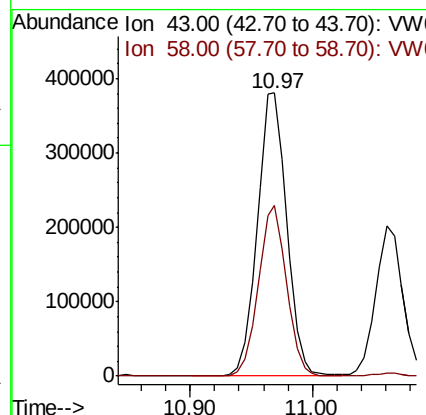
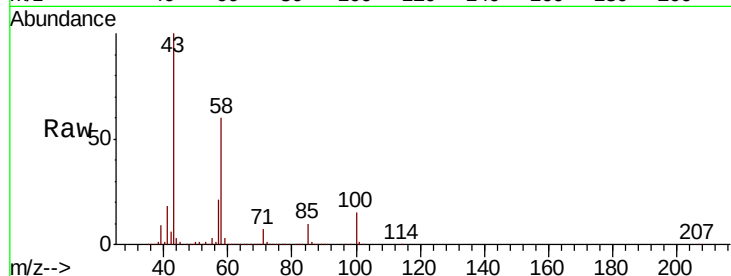
#59
2-Hexanone
Concen: 471.324 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 639584
Ion Ratio Lower Upper
43 100
58 57.7 28.4 85.2

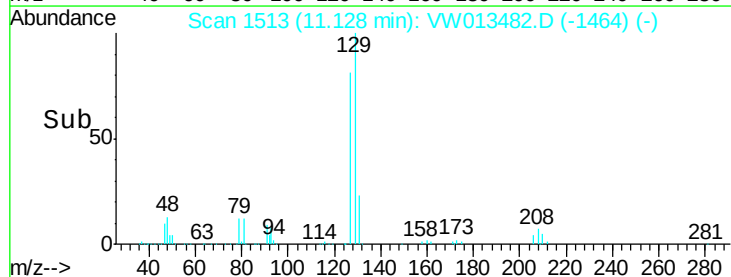
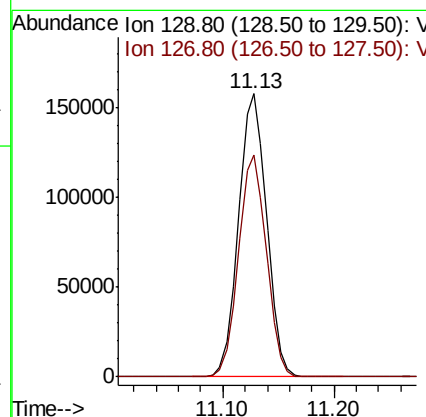
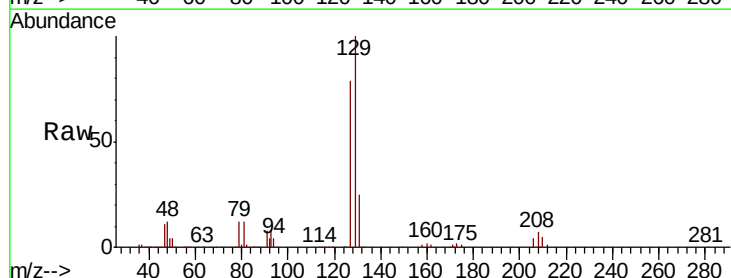
Manual Integrations
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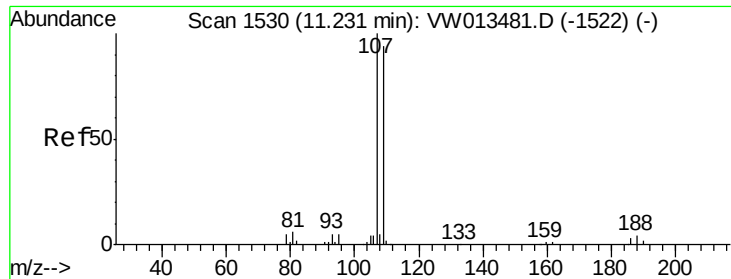
MMDadoda
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#60
Dibromochloromethane
Concen: 103.781 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion: 129 Resp: 274574
Ion Ratio Lower Upper
129 100
127 78.0 37.4 112.1





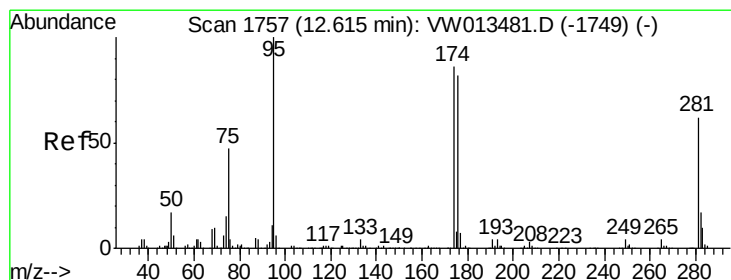
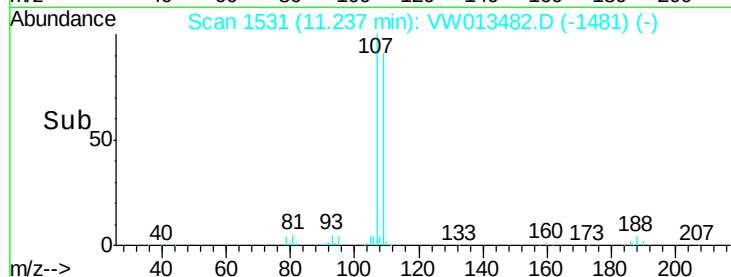
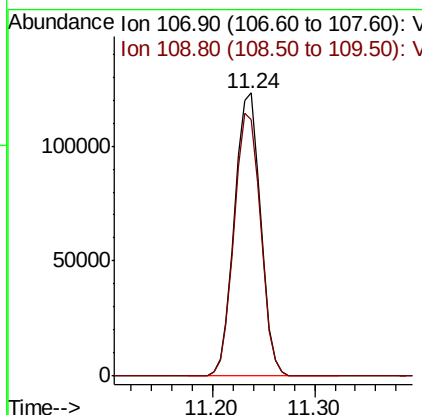
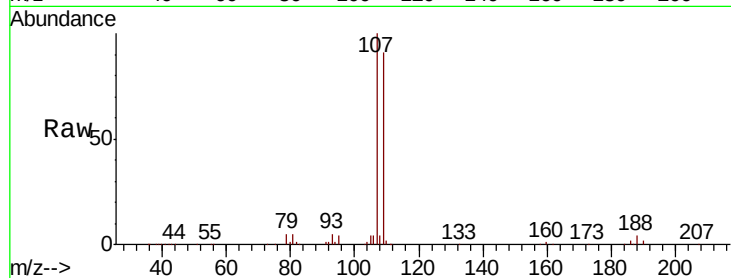
#61
 1,2-Dibromoethane
 Concen: 99.395 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.6	115.0

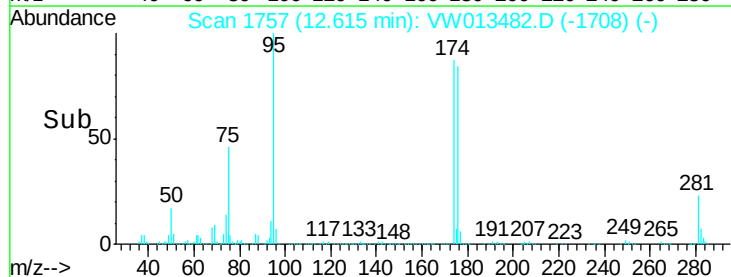
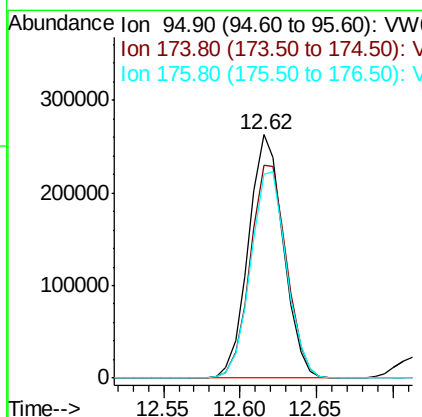
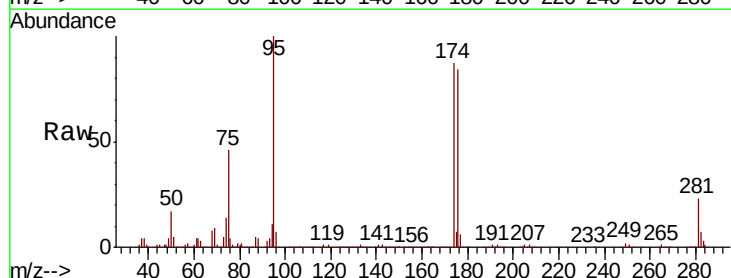
Manual Integrations
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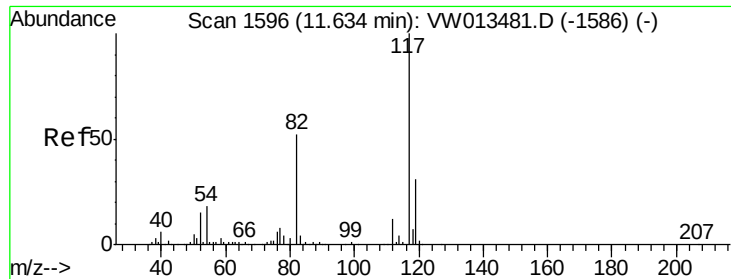
MMDadoda
 10/9/2019 4:08:51 PM



#62
 4-Bromofluorobenzene
 Concen: 104.557 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	177.4
176	87.3	0.0	173.4





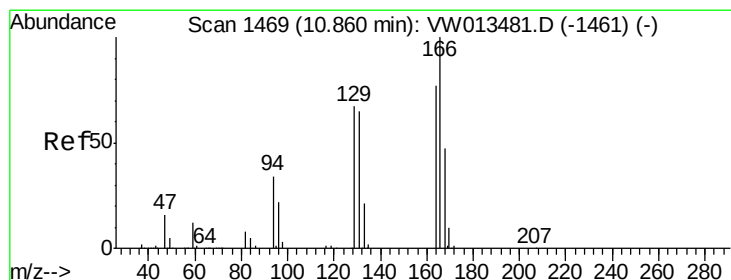
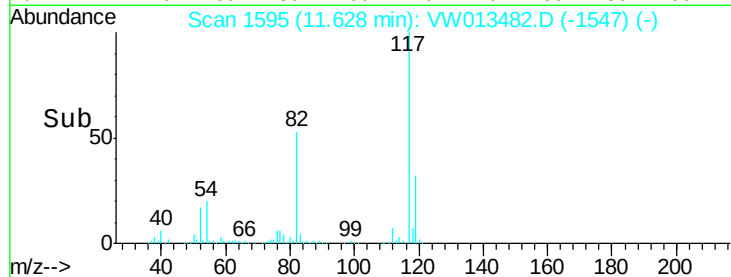
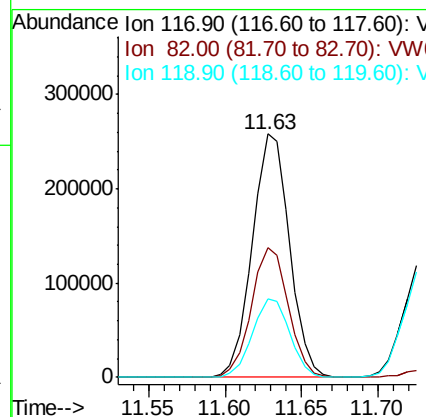
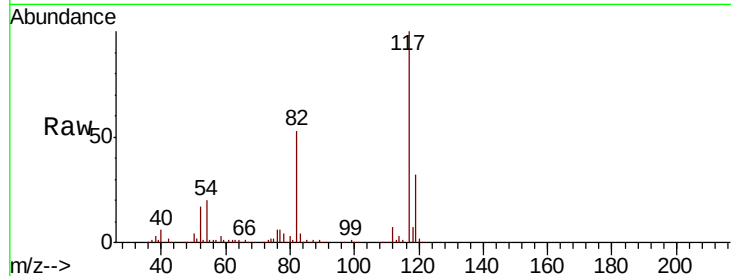
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	436318		
82	53.3		41.4	62.2
119	32.2		25.1	37.7

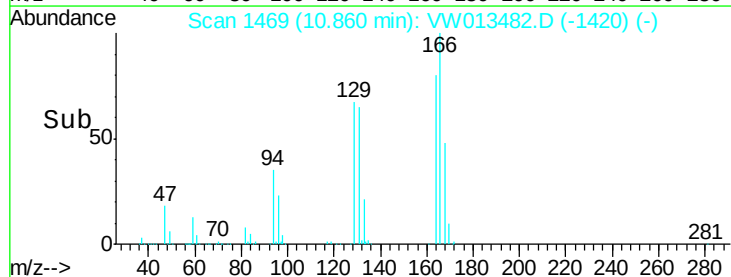
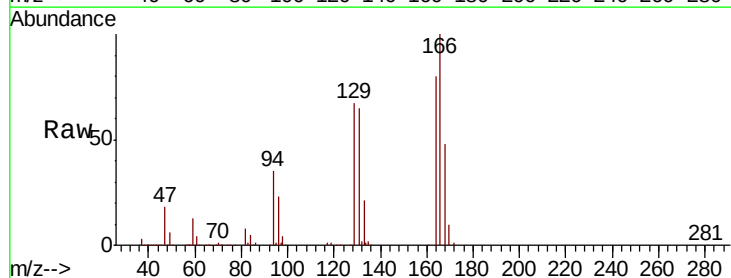
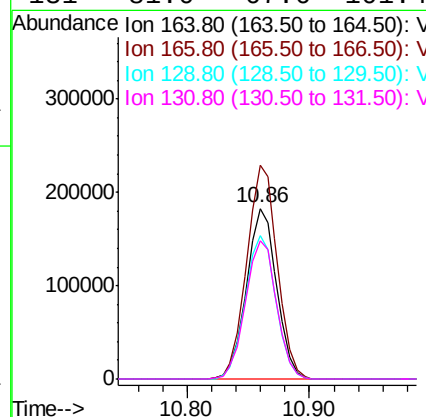
Manual Integrations
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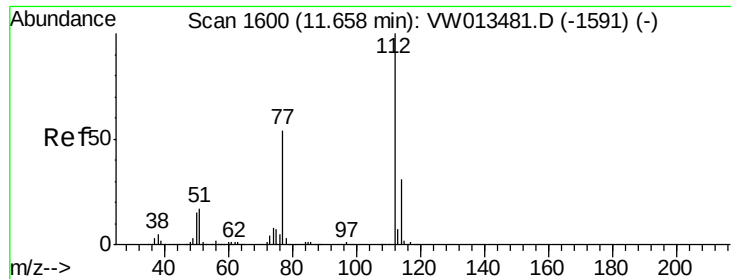
MMDadoda
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#64
Tetrachloroethene
Concen: 97.079 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	311746		
166	125.0		104.6	156.8
129	83.9		70.2	105.2
131	81.0		67.6	101.4





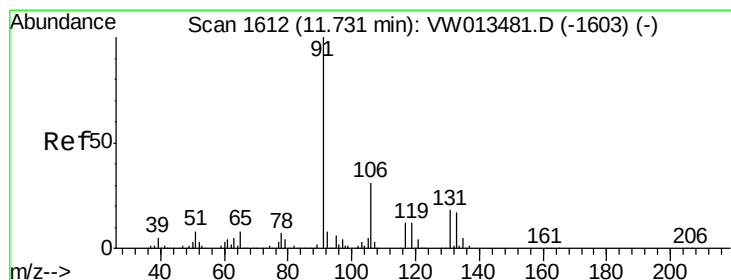
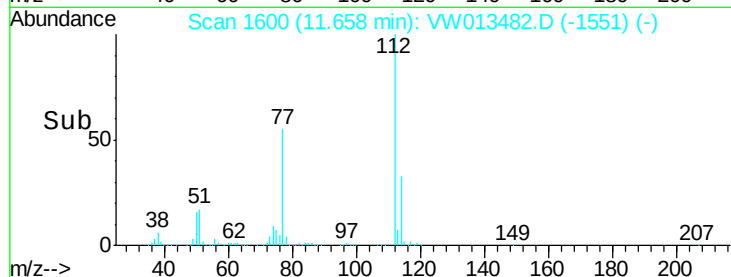
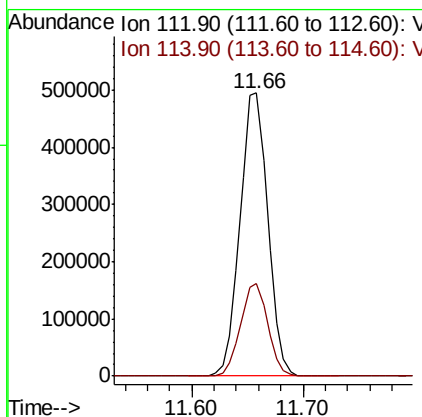
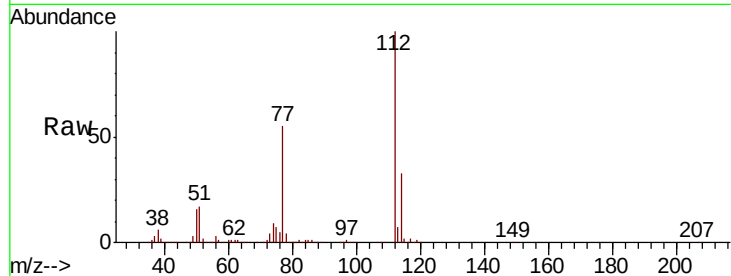
#65
Chlorobenzene
Concen: 98.785 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 856444
Ion Ratio Lower Upper
112 100
114 32.6 24.6 37.0

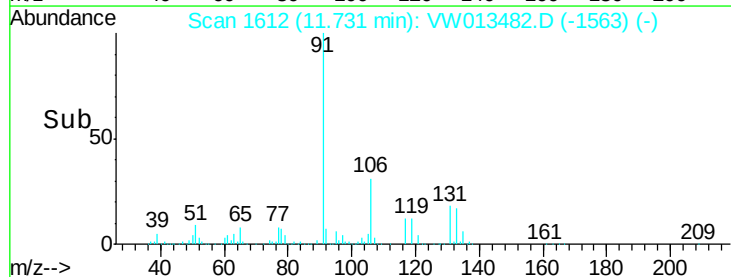
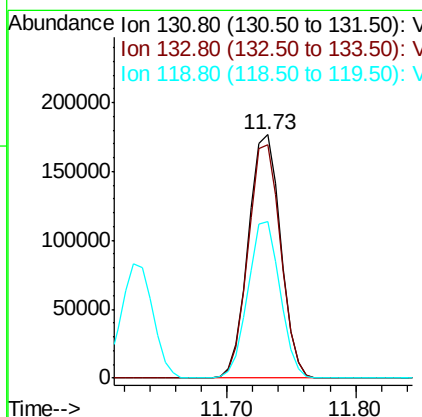
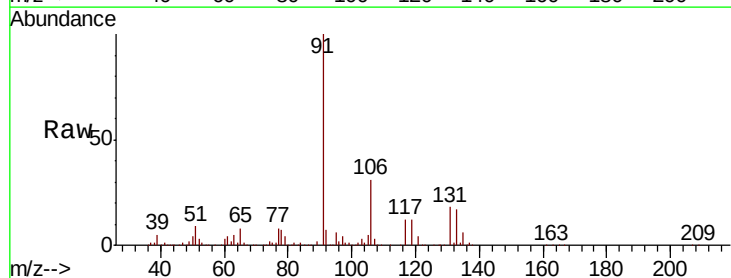
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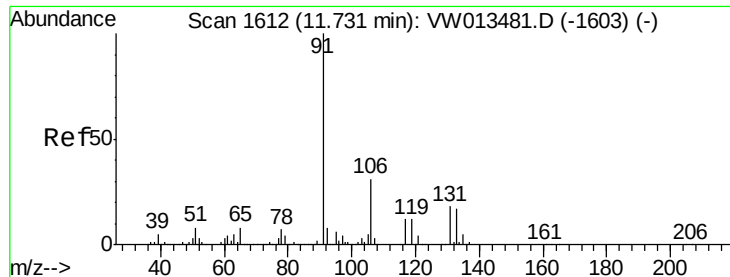
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 101.616 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion:131 Resp: 306030
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 64.0 32.6 98.0





#67

Ethyl Benzene

Concen: 98.932 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1567706

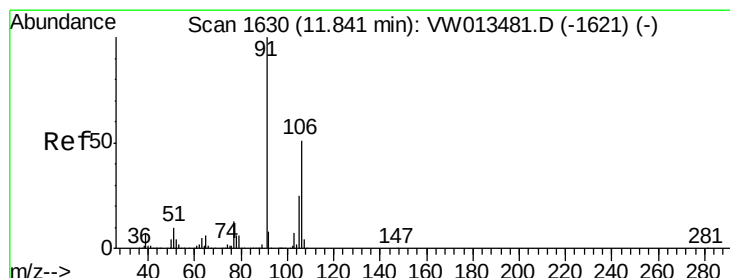
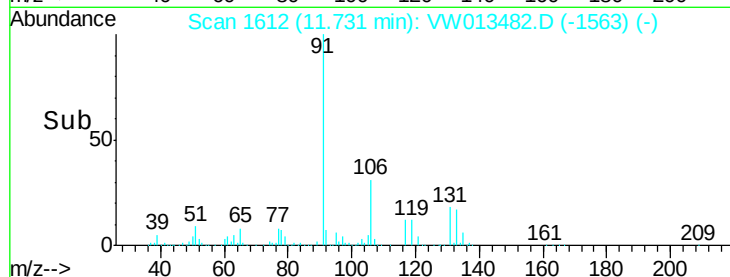
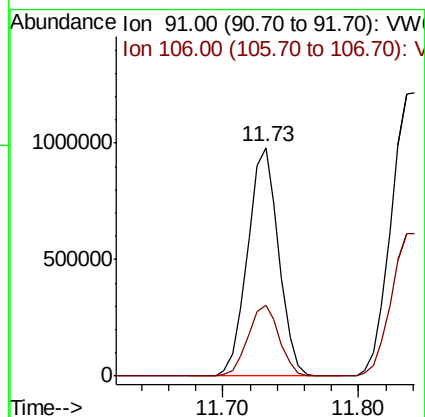
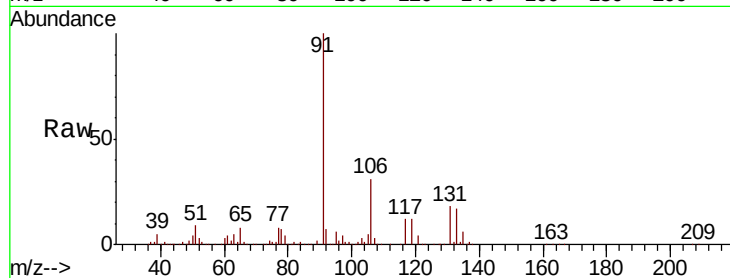
Ion Ratio Lower Upper

91 100

106 30.9 24.8 37.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 197.678 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013482.D

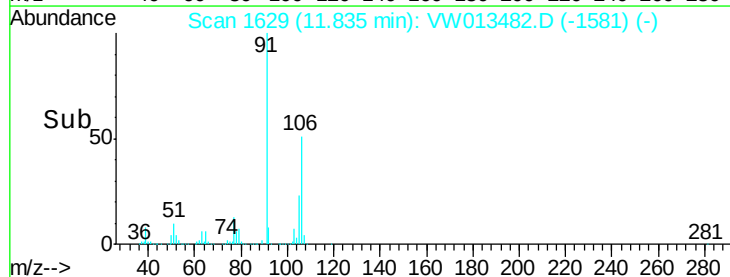
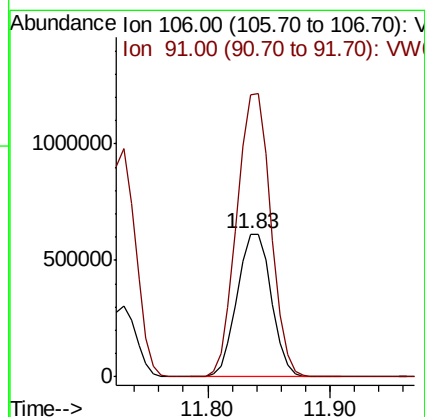
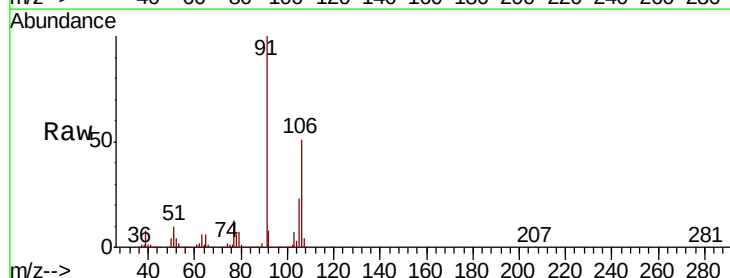
Acq: 08 Oct 2019 12:11

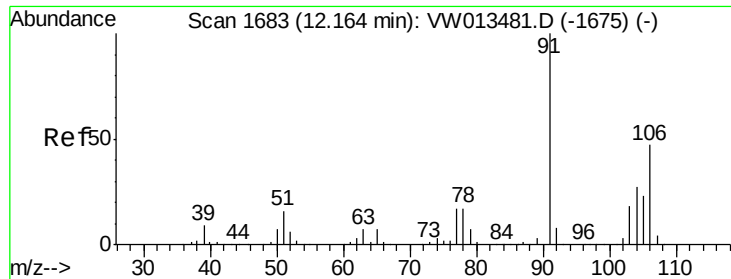
Tgt Ion: 106 Resp: 1191848

Ion Ratio Lower Upper

106 100

91 196.8 156.2 234.4





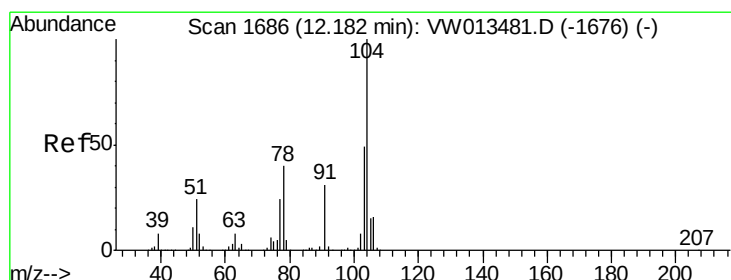
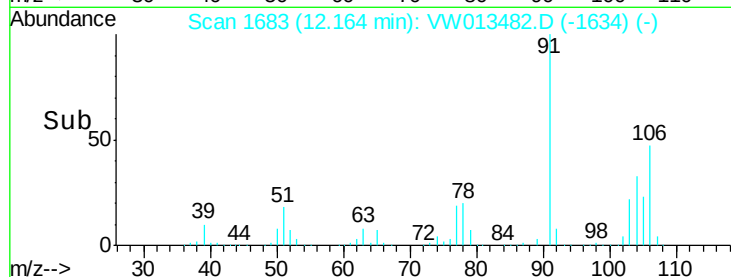
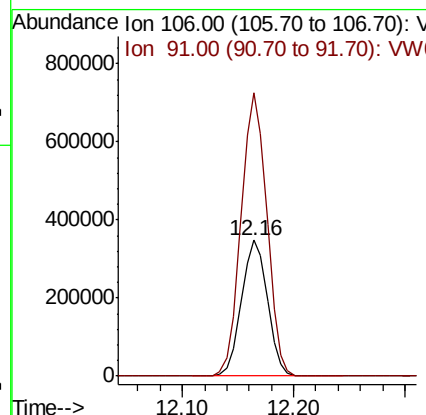
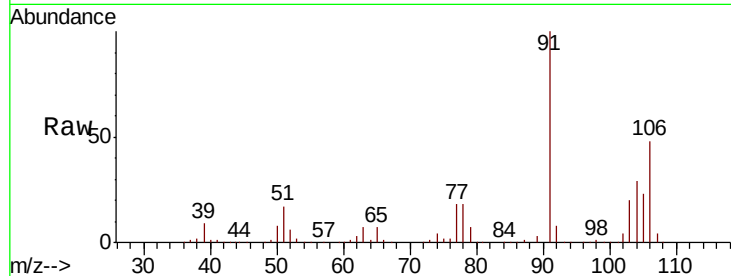
#69
o-Xylene
Concen: 100.950 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		562339		
91	206.6	105.0	315.0		

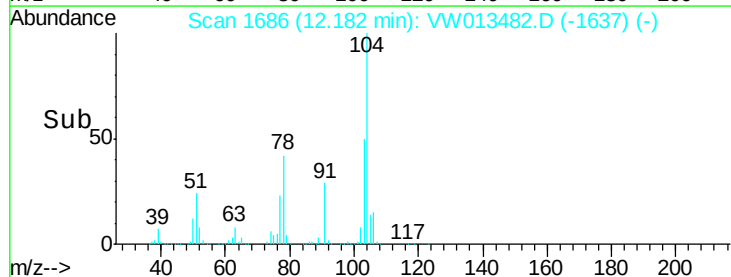
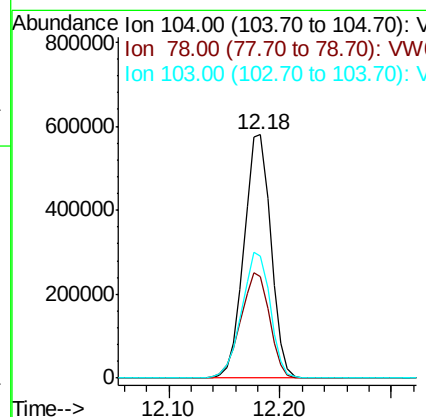
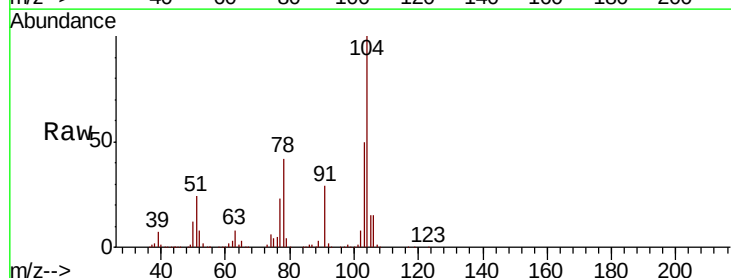
Manual Integrations
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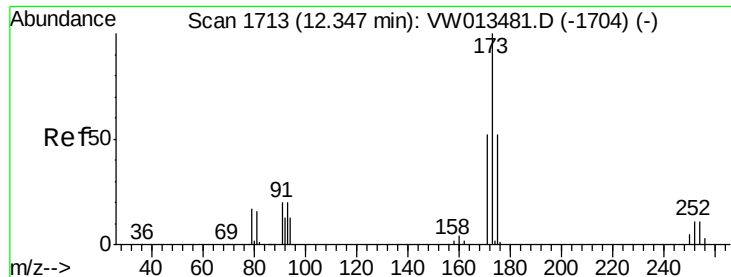
MMDadoda
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#70
Styrene
Concen: 101.550 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		971277		
78	46.6	37.1	55.7		
103	54.7	43.2	64.8		





#71

Bromoform

Concen: 102.391 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

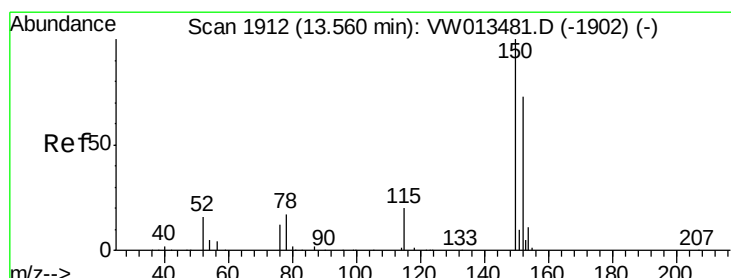
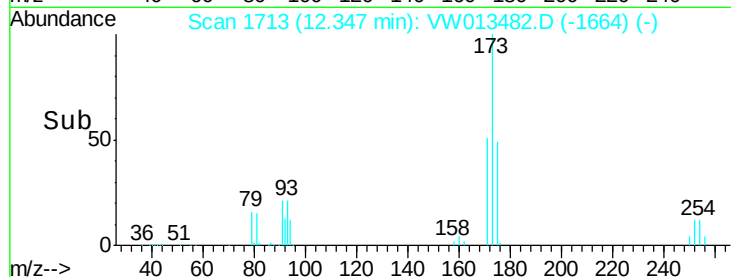
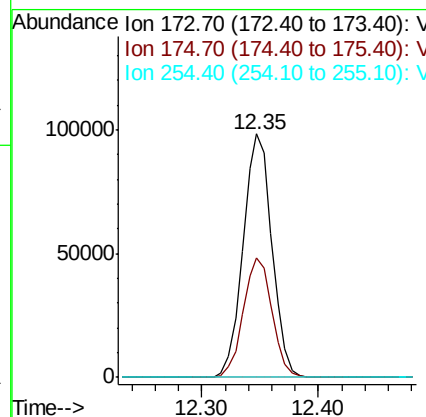
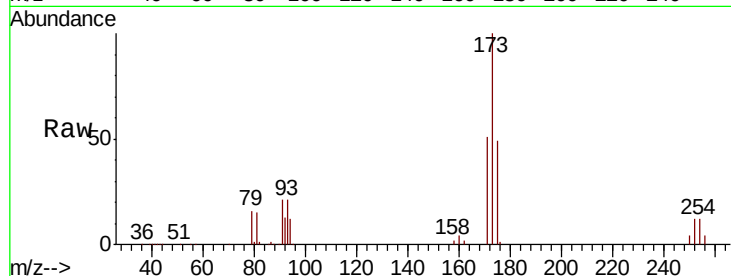
ClientSampled :

VSTDIC100

Tot Ion:	173	Resp:	169182
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.4	73.4
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

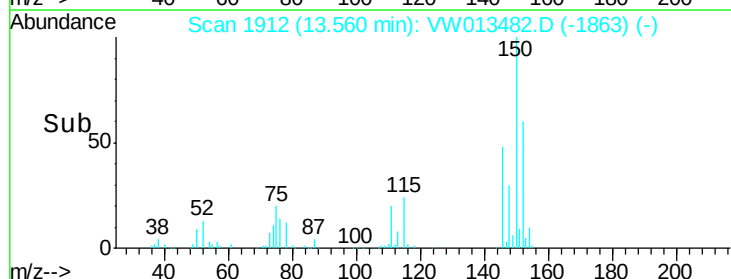
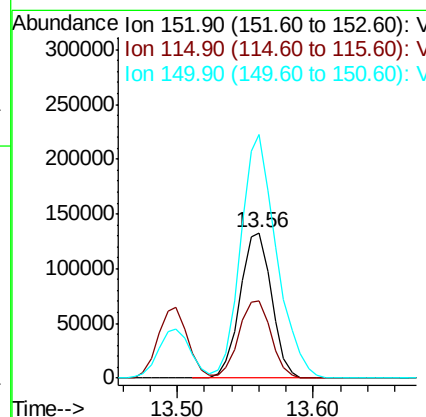
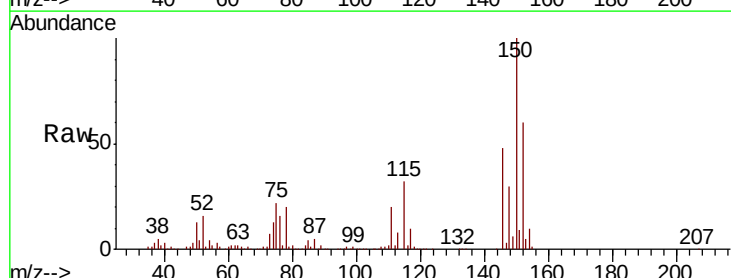
RT: 13.56 min Scan# 1912

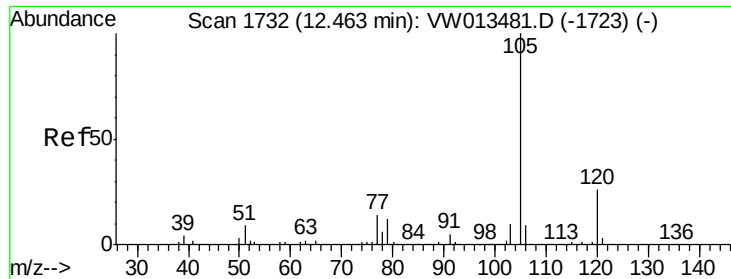
Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Tgt Ion:	152	Resp:	214708
Ion Ratio	Lower	Upper	
152	100		
115	54.5	27.0	81.0
150	189.5	0.0	337.4





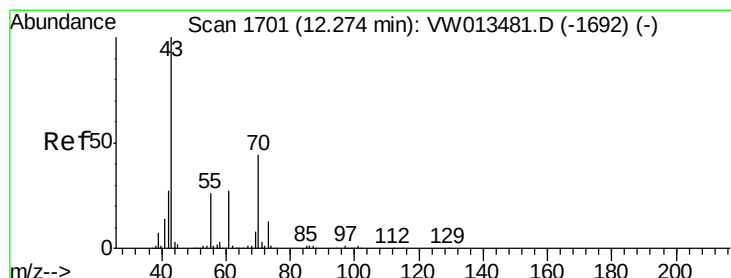
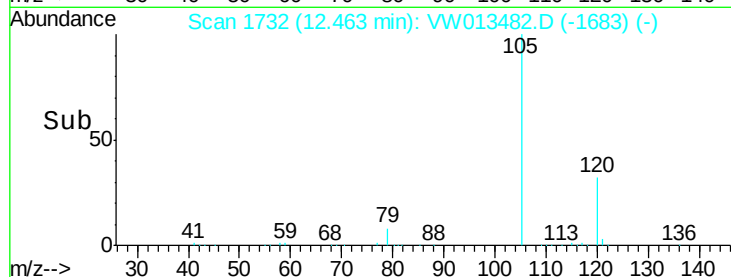
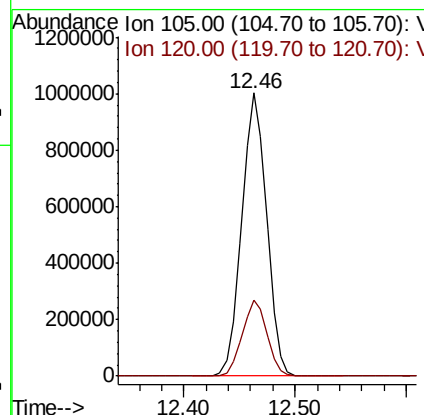
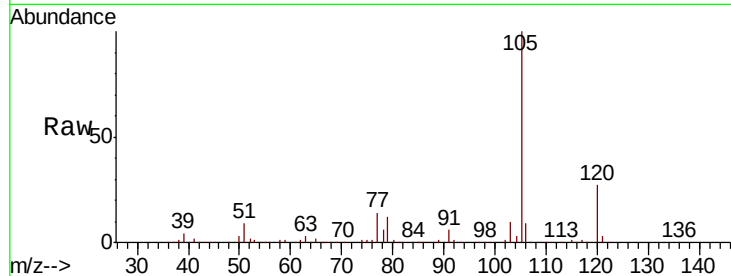
#73
Isopropylbenzene
Concen: 100.493 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tot Ion:105 Resp: 1545548
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.5

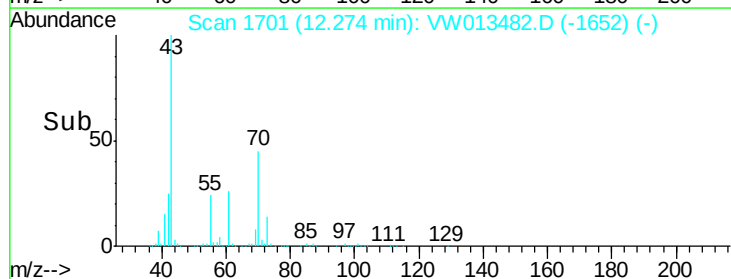
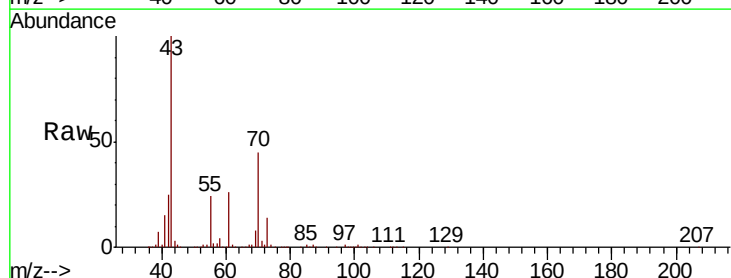
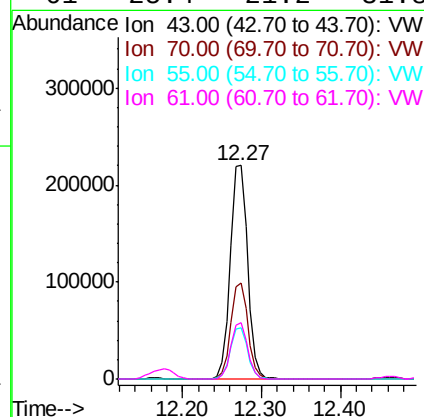
Manual Integrations
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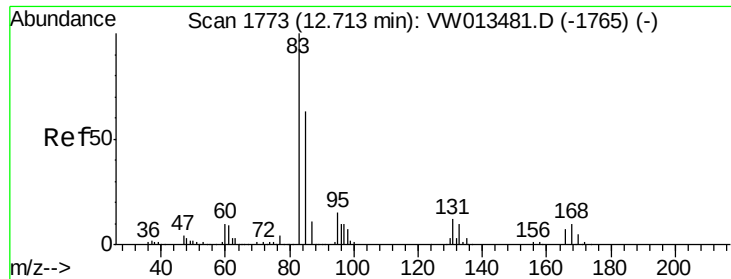
MMDadoda
10/9/2019 4:08:51 PM



#74
N-ethyl acetate
Concen: 100.176 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion: 43 Resp: 336953
Ion Ratio Lower Upper
43 100
70 44.6 35.3 52.9
55 24.1 20.0 30.0
61 25.4 21.2 31.8





#75

1,1,2,2-Tetrachloroethane

Concen: 96.143 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

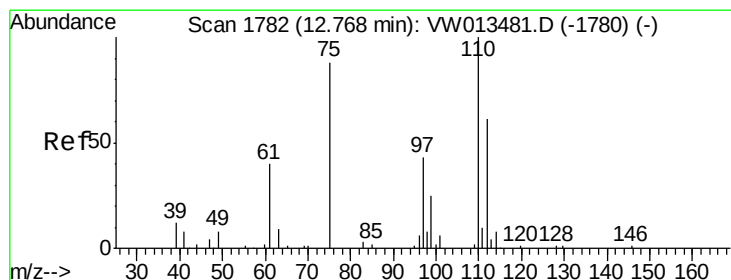
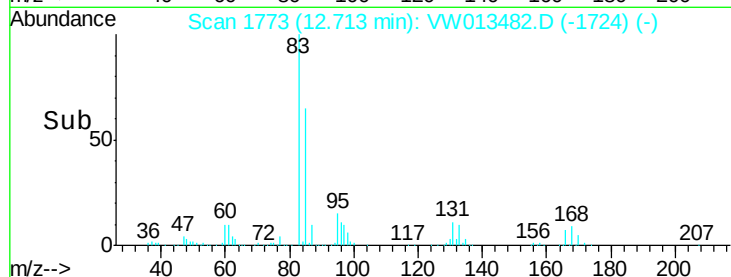
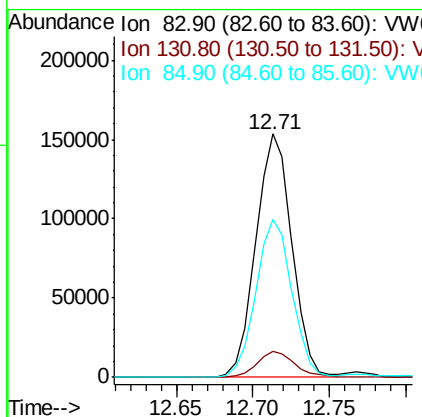
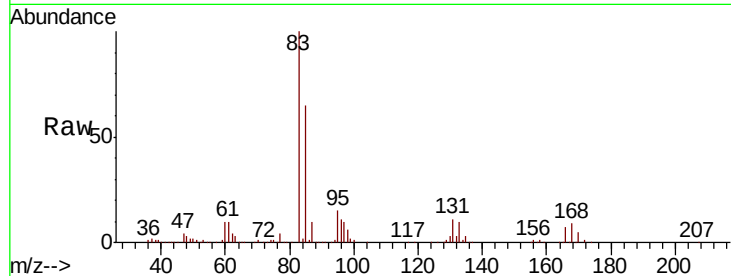
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	252031
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.9	17.7
85	65.0	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 91.657 ug/l m

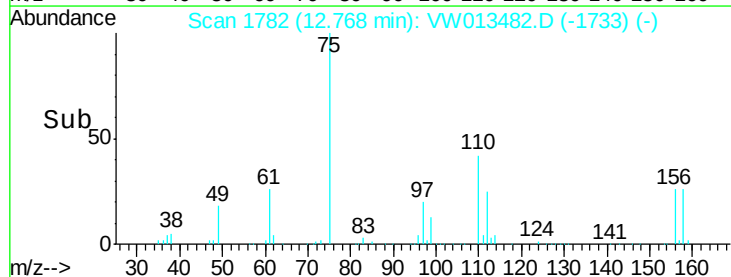
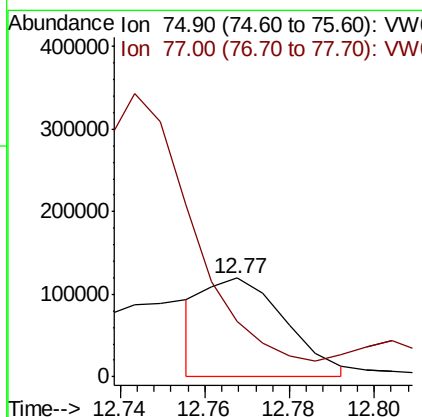
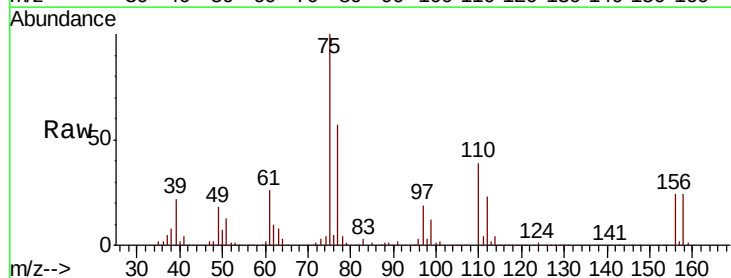
RT: 12.77 min Scan# 1782

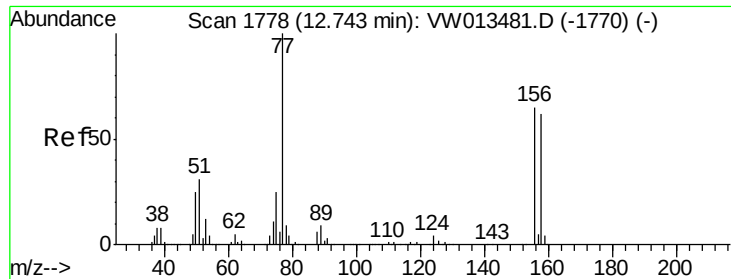
Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Tgt Ion:	75	Resp:	158057
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 100.909 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

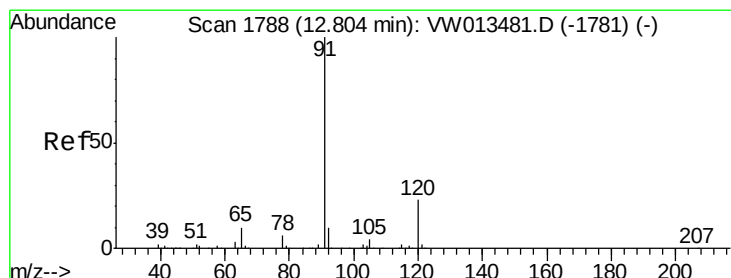
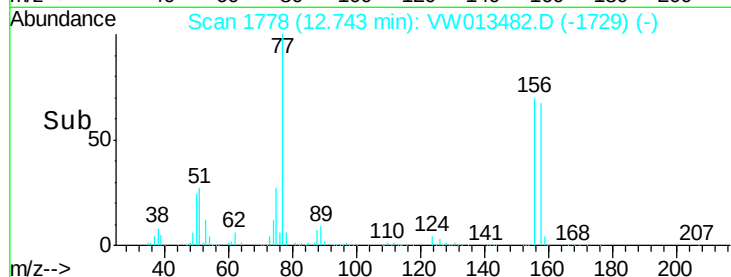
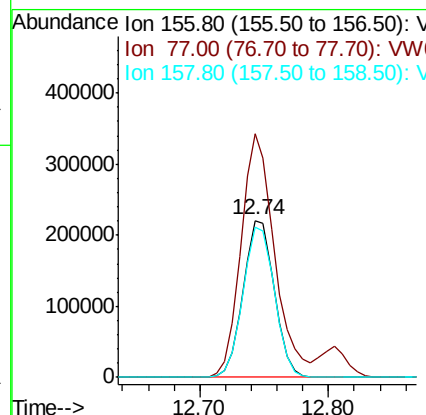
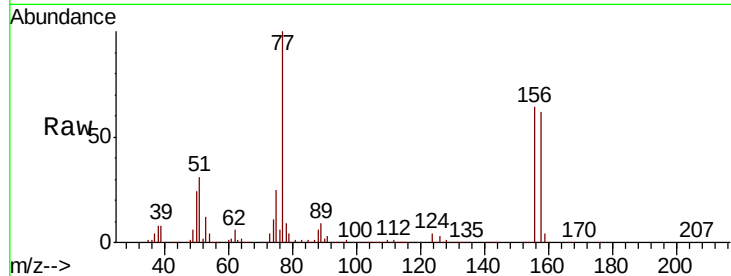
ClientSampled :

VSTDIC100

Tot Ion	156	Resp	367859
Ion Ratio	Lower	Upper	
156	100		
77	167.8	83.7	251.0
158	96.7	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 99.224 ug/l

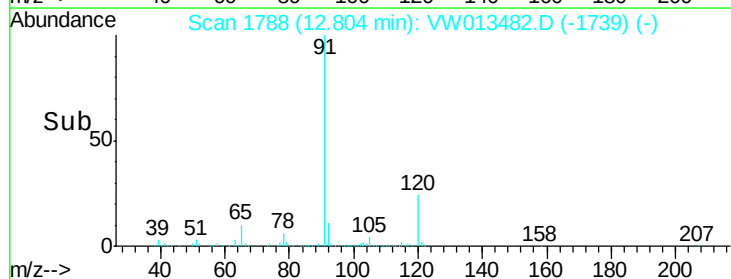
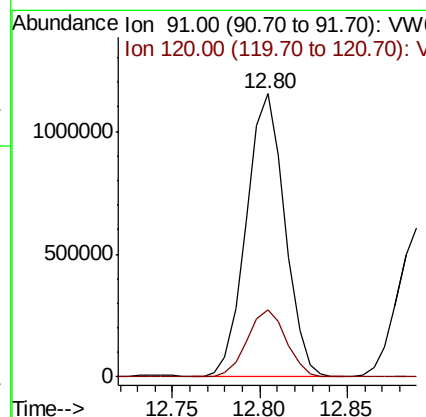
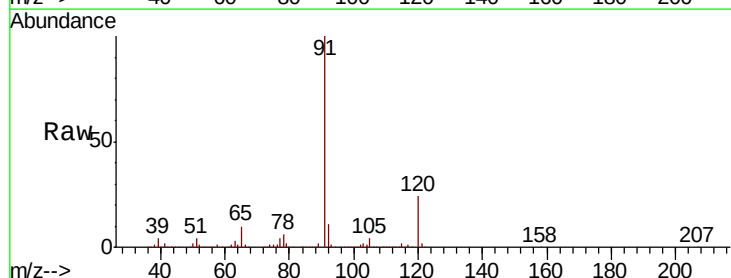
RT: 12.80 min Scan# 1788

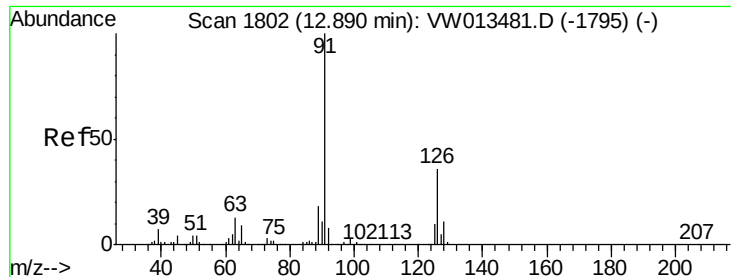
Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Tgt Ion	91	Resp	1764637
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.7	35.1





#79

2-Chlorotoluene

Concen: 99.259 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013482.D

Acq: 08 Oct 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 989001

Ion Ratio Lower Upper

91 100

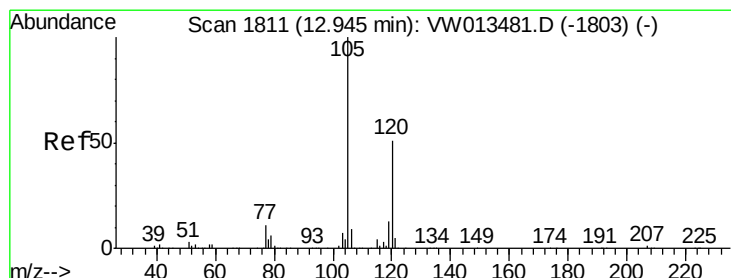
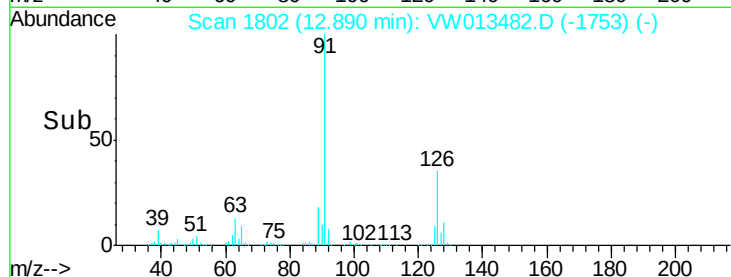
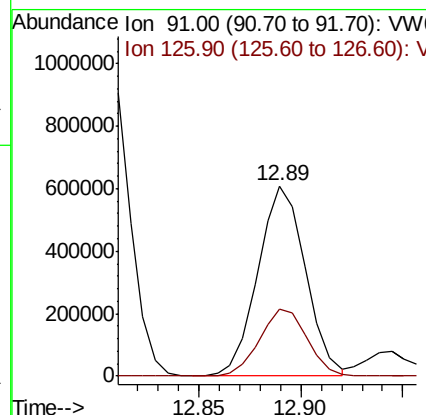
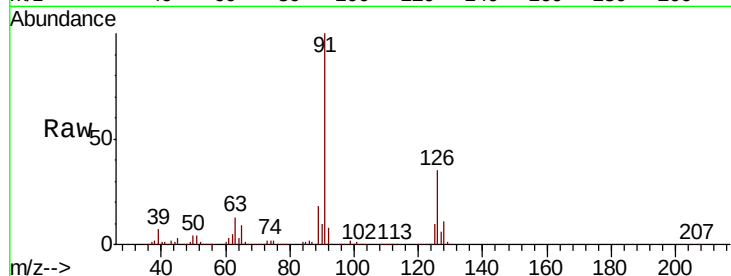
126 35.3 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 99.765 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013482.D

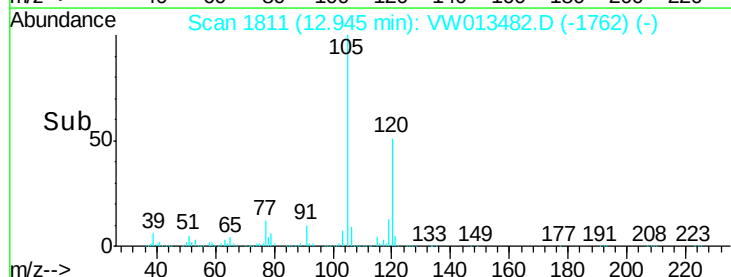
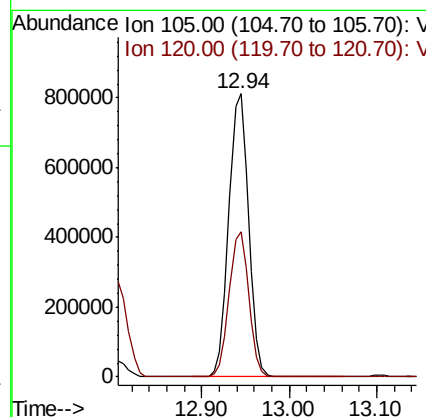
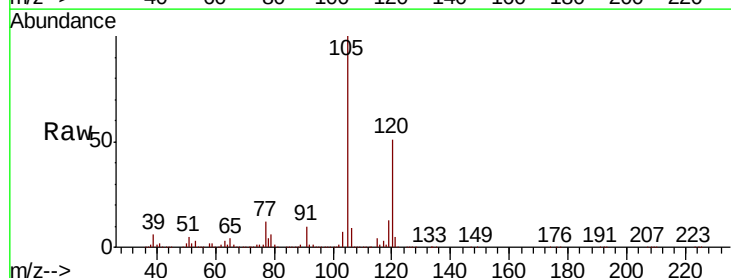
Acq: 08 Oct 2019 12:11

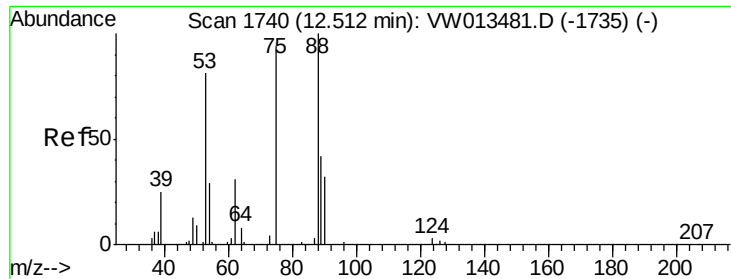
Tgt Ion:105 Resp: 1274874

Ion Ratio Lower Upper

105 100

120 50.8 25.4 76.0





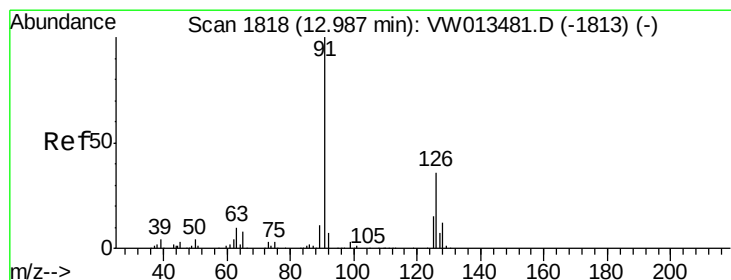
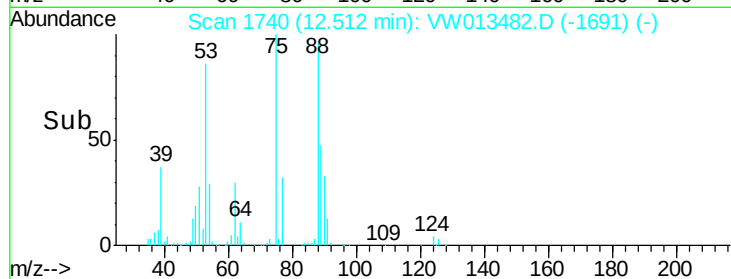
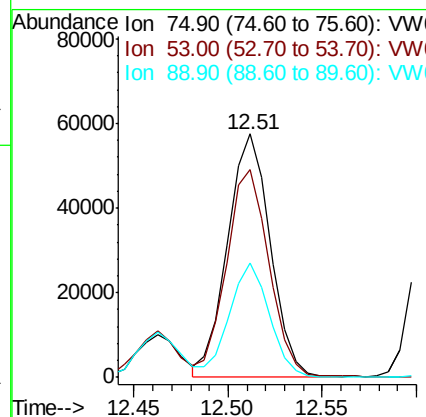
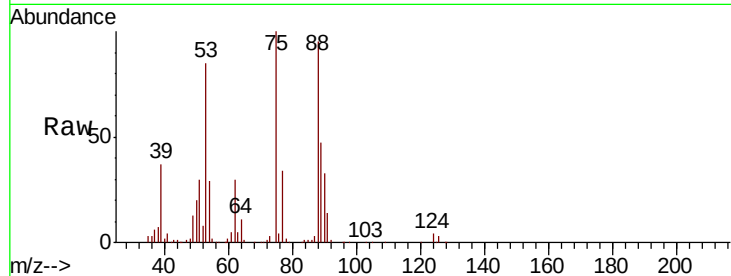
#81
trans-1,4-Dichloro-2-butene
Concen: 102.668 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.9	71.0	106.6
89	44.8	36.1	54.1

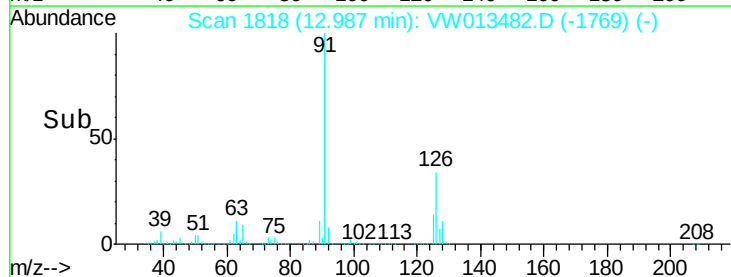
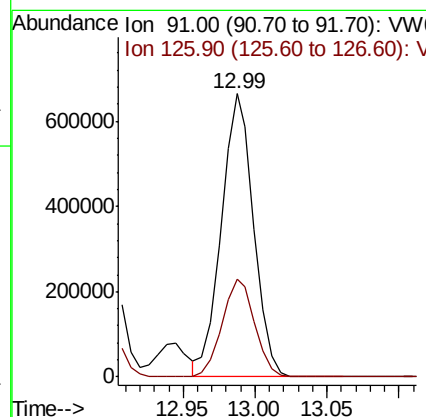
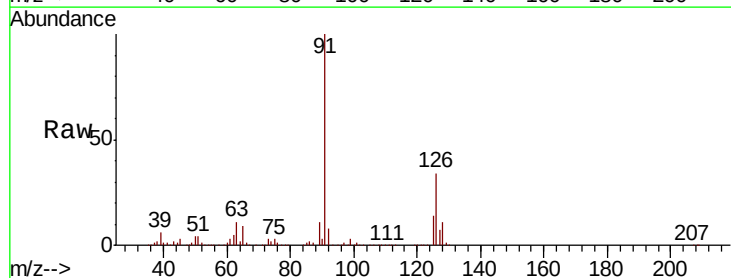
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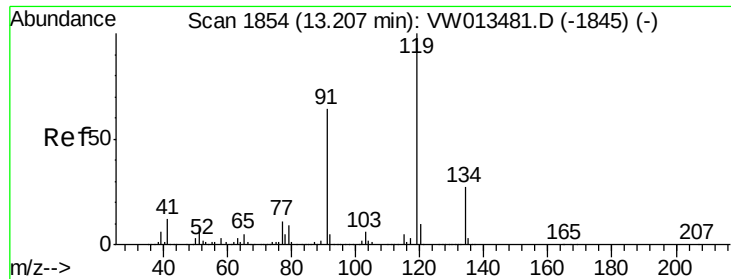
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#82
4-Chlorotoluene
Concen: 100.219 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





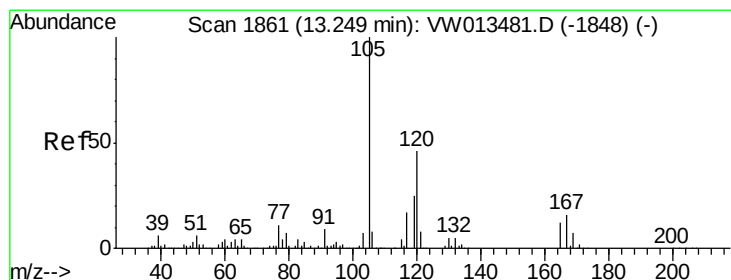
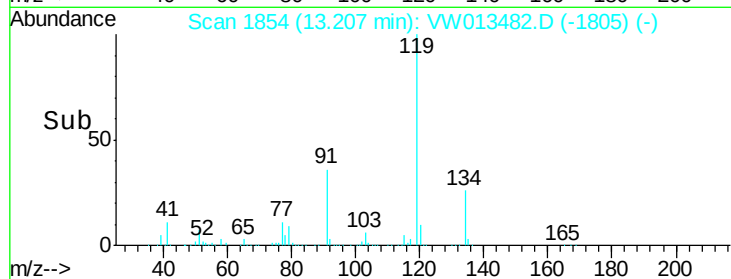
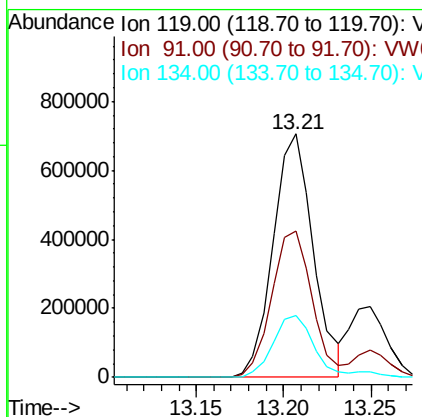
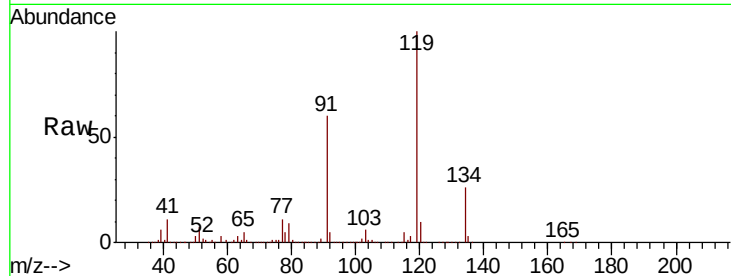
#83
 tert-Butylbenzene
 Concen: 99.646 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.6	91.6
134	25.7	13.8	41.3

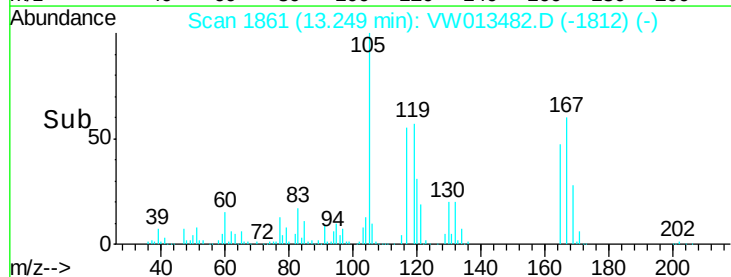
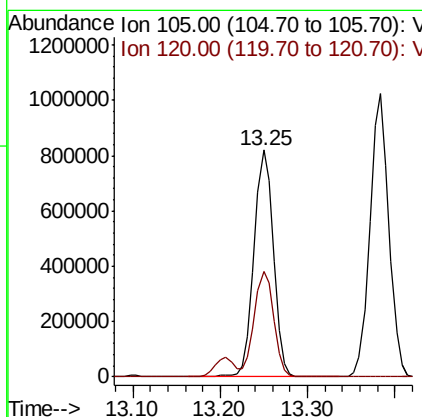
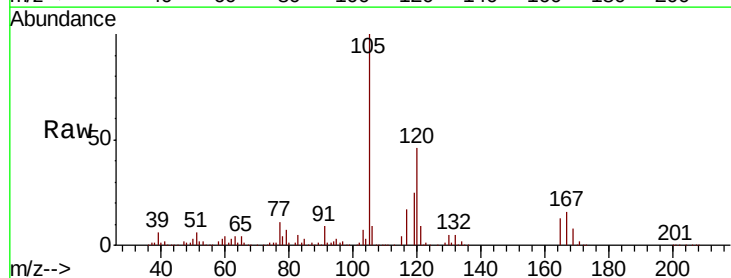
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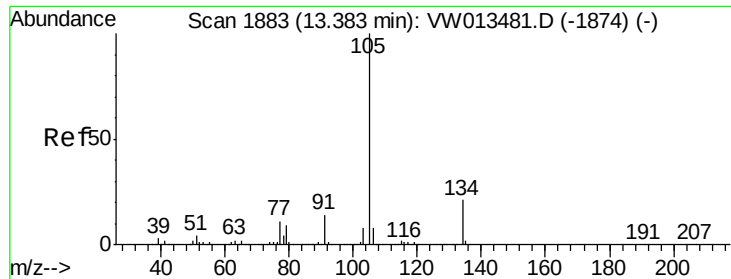
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#84
 1,2,4-Trimethylbenzene
 Concen: 99.388 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5





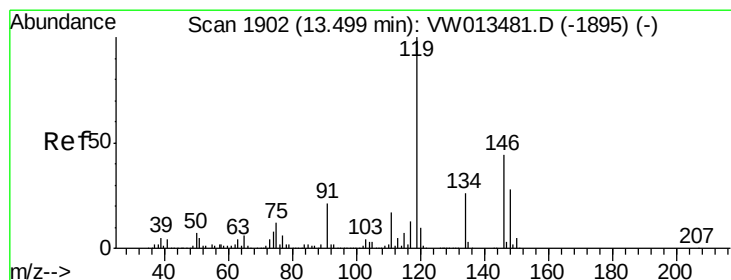
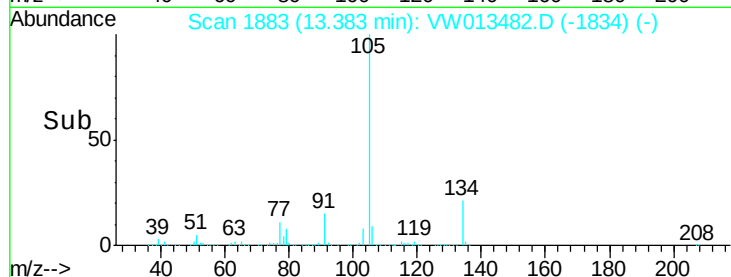
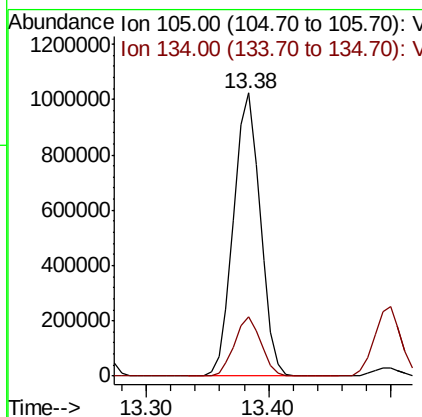
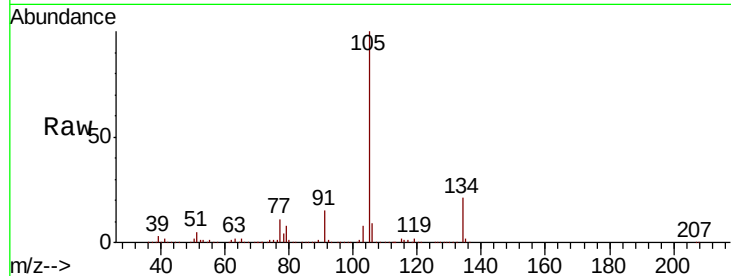
#85
 sec-Butylbenzene
 Concen: 98.409 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1543105
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.4

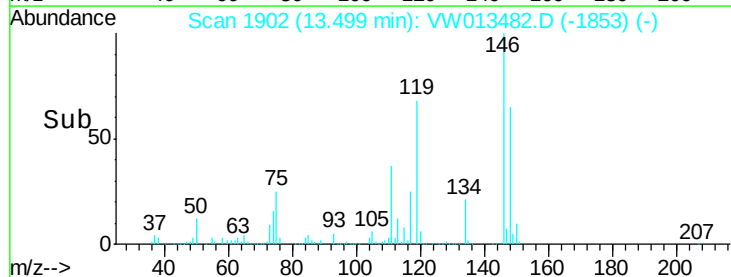
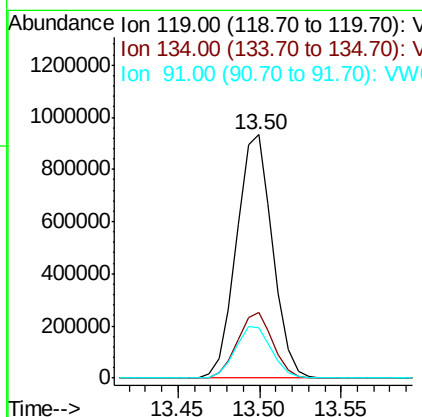
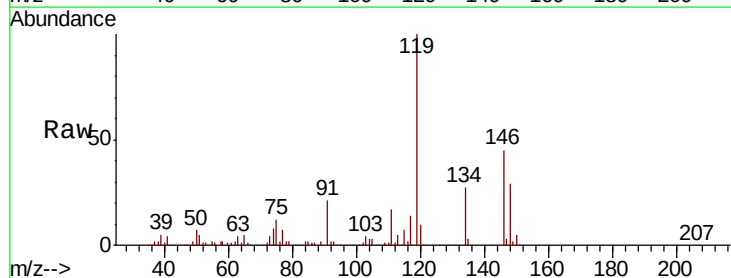
Manual Integrations
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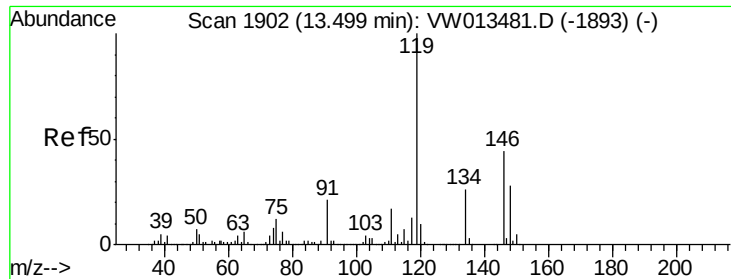
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#86
 p-Isopropyltoluene
 Concen: 98.972 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion:119 Resp: 1425892
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.1
 91 21.2 10.8 32.3





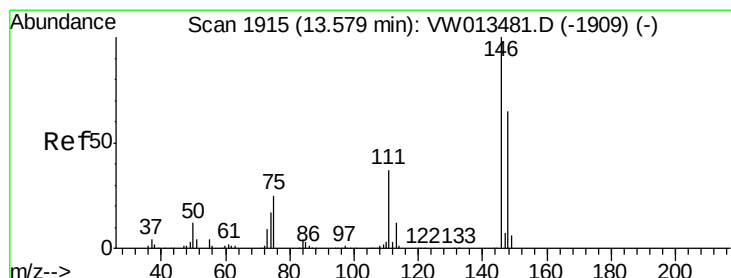
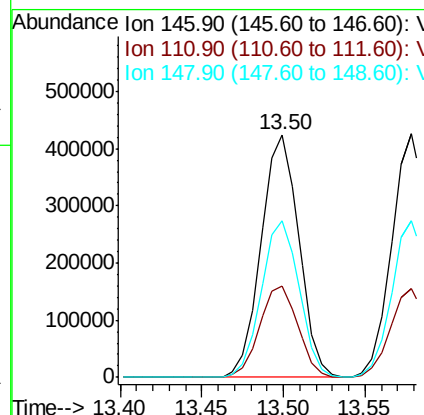
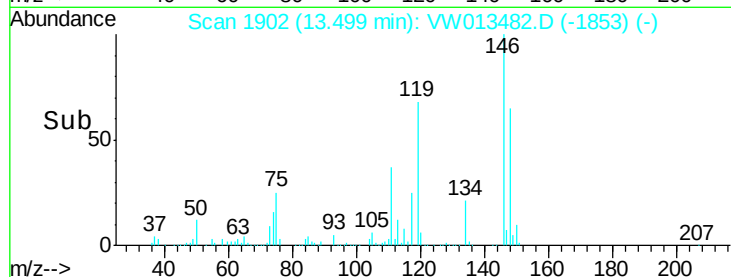
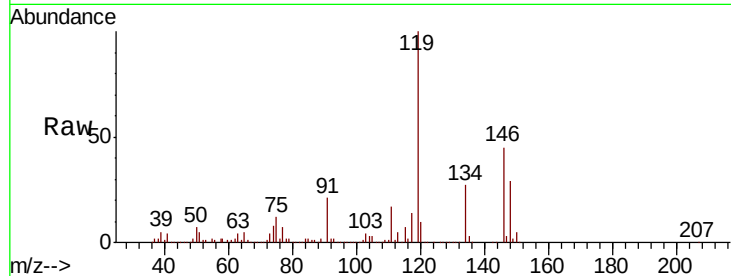
#87
 1,3-Dichlorobenzene
 Concen: 99.114 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	64.4	32.3	96.8

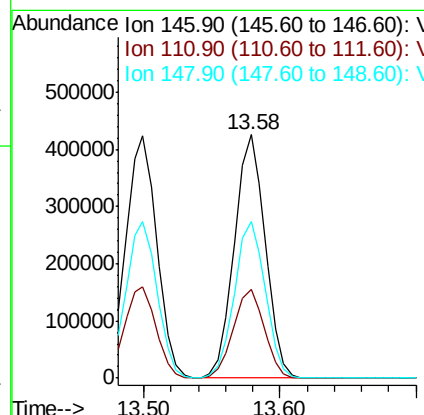
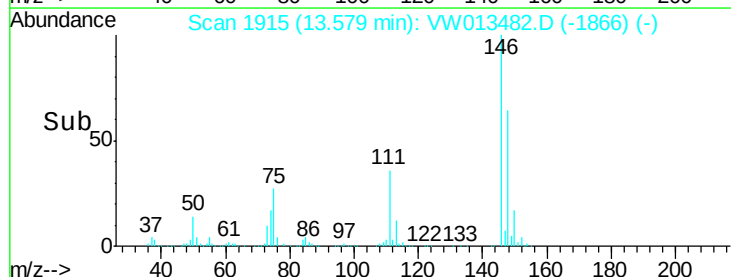
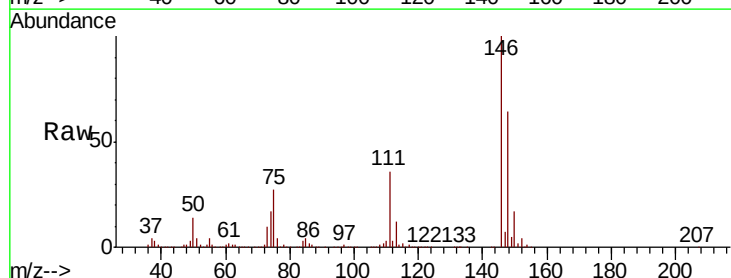
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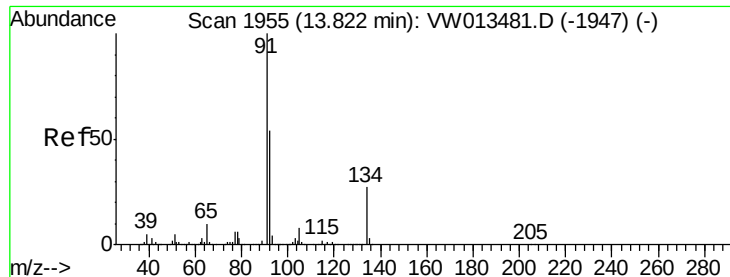
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#88
 1,4-Dichlorobenzene
 Concen: 99.445 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.4
148	64.5	32.0	96.2





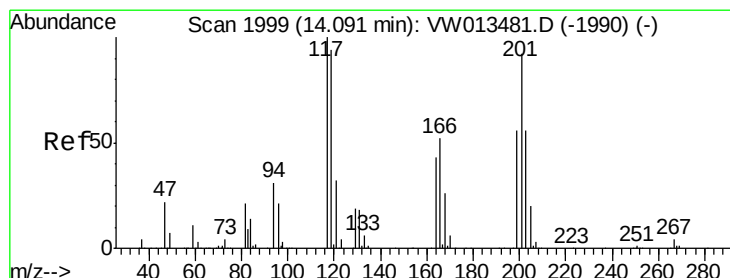
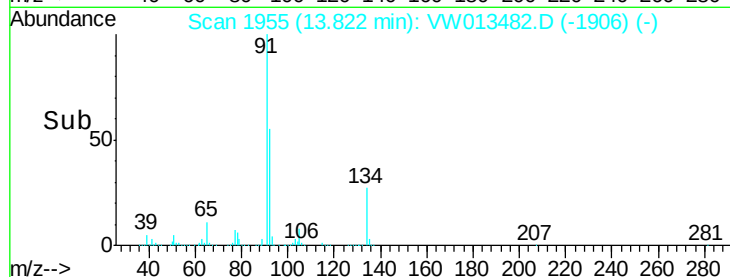
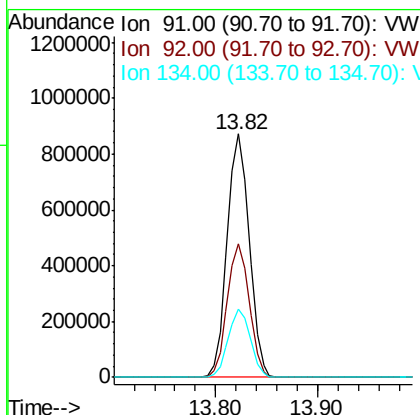
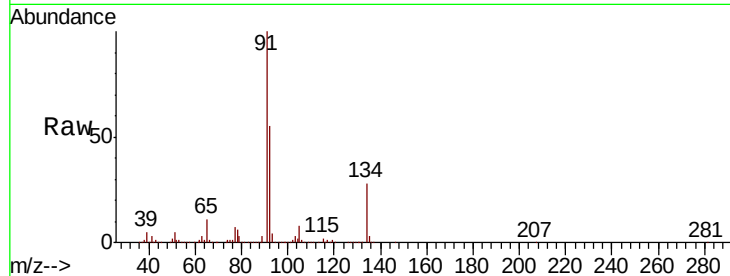
#89
n-Butylbenzene
Concen: 100.450 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	27.9	13.8	41.3

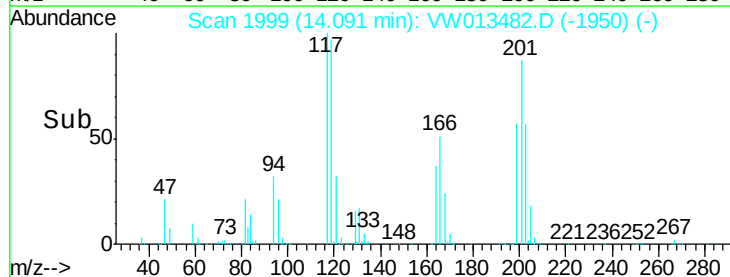
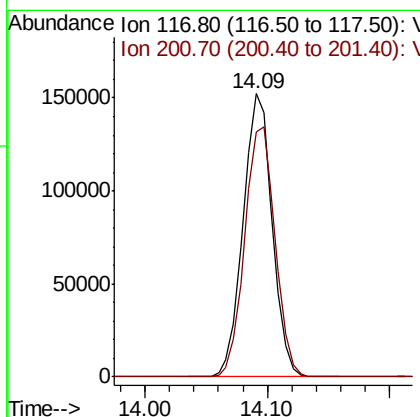
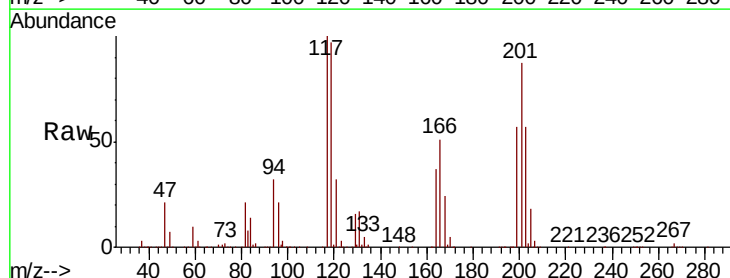
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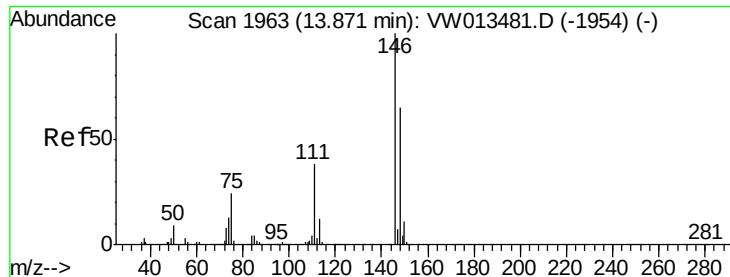
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#90
Hexachloroethane
Concen: 101.793 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	46.9	140.7





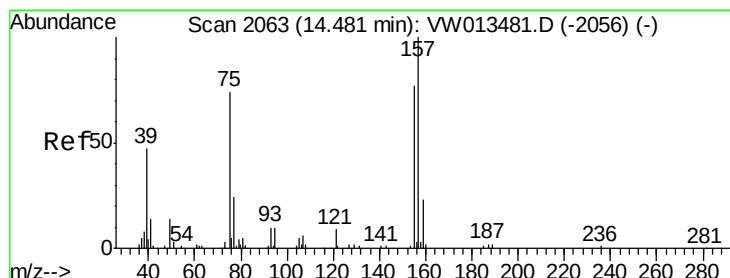
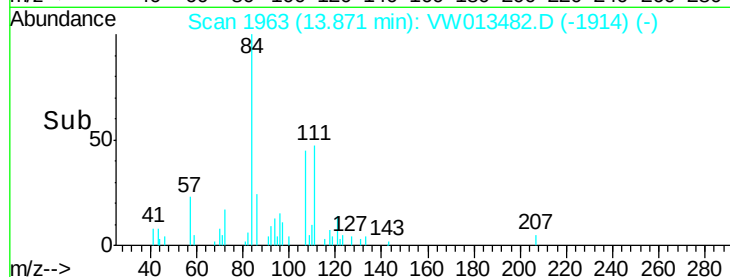
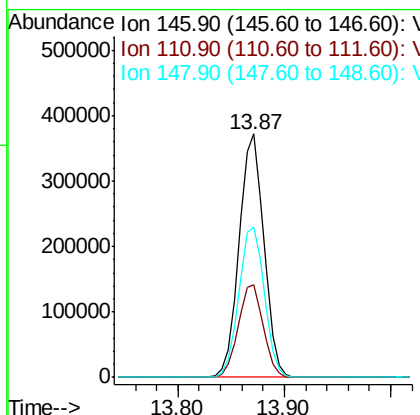
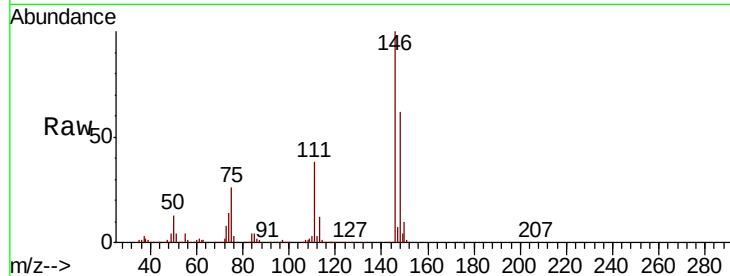
#91
 1,2-Dichlorobenzene
 Concen: 99.715 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.2
148	63.7	31.8	95.3

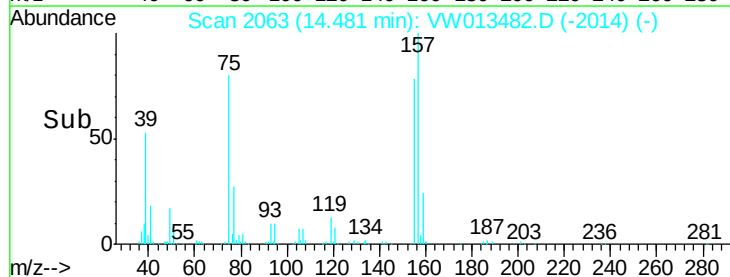
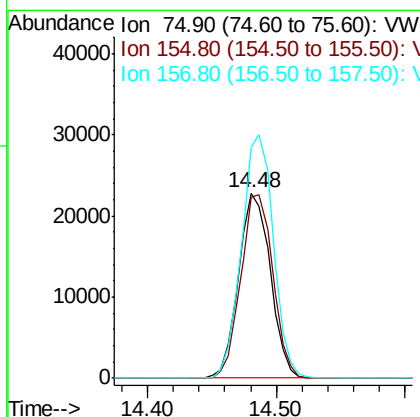
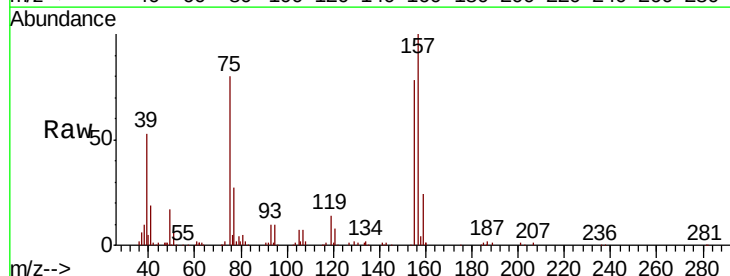
Manual Integrations
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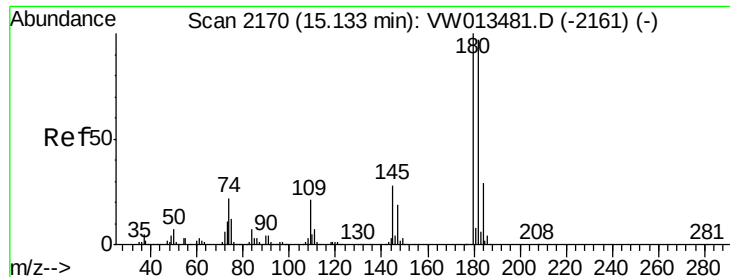
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 10/9/2019 4:08:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.296 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	51.0	153.1
157	130.7	65.9	197.7





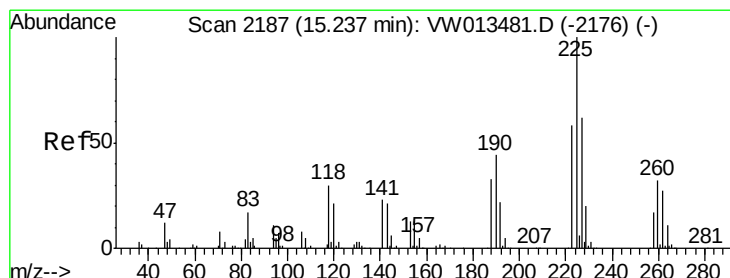
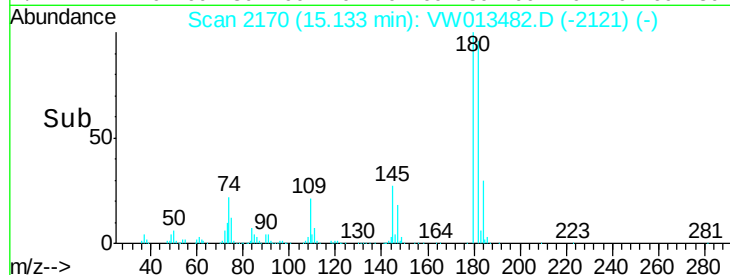
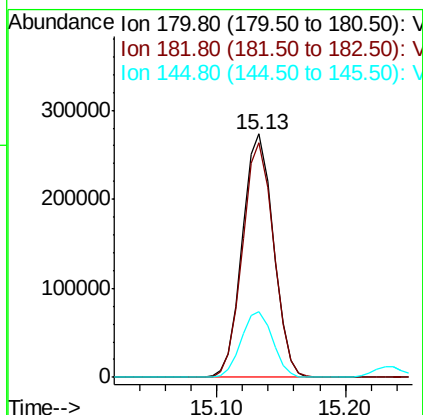
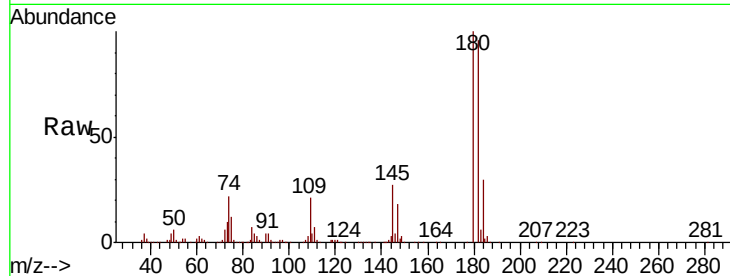
#93
 1,2,4-Trichlorobenzene
 Concen: 105.688 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	455860		
182	96.1	47.7	143.1	
145	27.6	14.0	41.9	

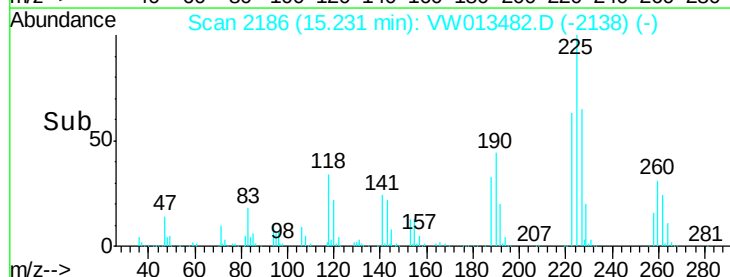
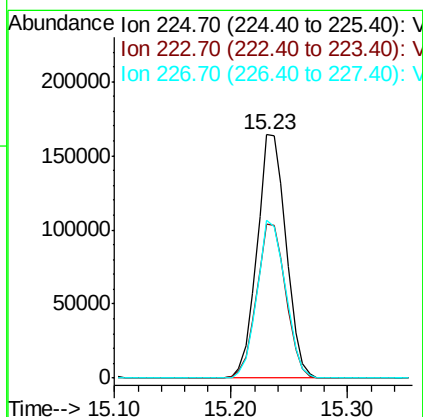
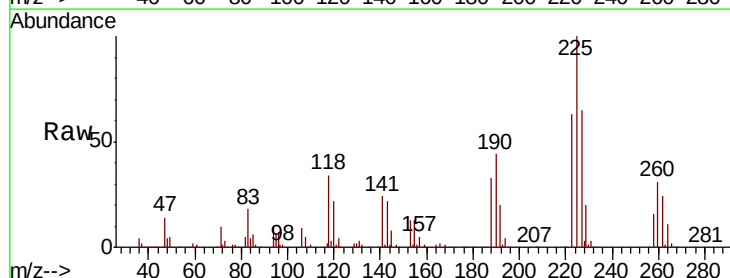
Manual Integrations
 APPROVED

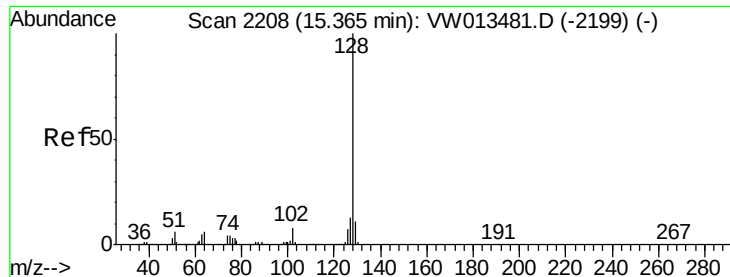
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 98.932 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013482.D
 Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	283573		
223	63.6	30.3	90.9	
227	63.7	32.0	96.0	





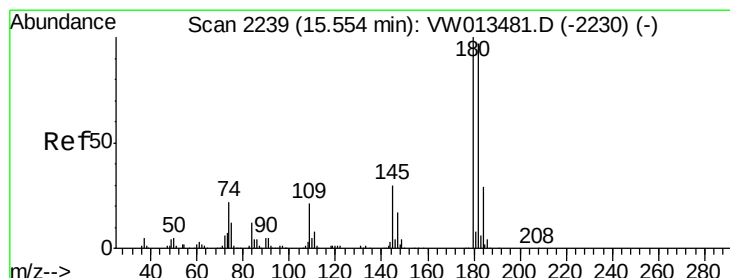
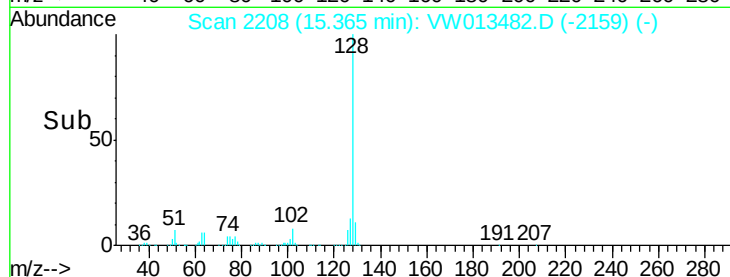
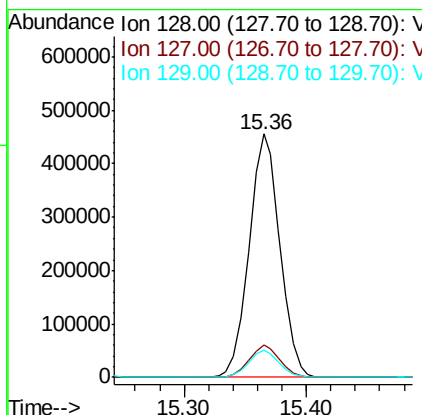
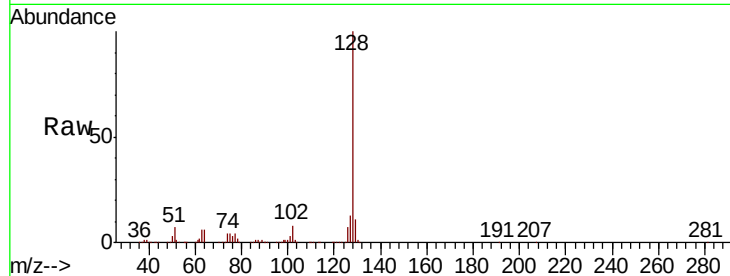
#95
Naphthalene
Concen: 106.612 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	795445		
127	13.2		10.6	16.0
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 104.211 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013482.D
Acq: 08 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	393050		
182	94.7		47.7	143.1
145	29.4		14.9	44.9

