

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW014009.D
 Acq On : 13 Nov 2019 16:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:50:16 AM

Quant Time: Nov 14 06:57:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	389243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	177102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	117645	57.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.46%	
35) Dibromofluoromethane	7.88	113	113371	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.32	98	465317	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.62	95	162340	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	69219	47.945	ug/l	98
3) Chloromethane	2.21	50	64490	41.564	ug/l	97
4) Vinyl Chloride	2.36	62	116524	49.729	ug/l	98
5) Bromomethane	2.76	94	70844	45.971	ug/l	99
6) Chloroethane	2.92	64	69761	49.202	ug/l	99
7) Trichlorofluoromethane	3.25	101	55627	38.007	ug/l	96
8) Diethyl Ether	3.68	74	66603	56.326	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	122721	51.578	ug/l	97
10) Methyl Iodide	4.28	142	194876	50.262	ug/l	100
11) Tert butyl alcohol	5.17	59	51949	423.301	ug/l	97
12) 1,1-Dichloroethene	4.04	96	129235	52.583	ug/l	99
13) Acrolein	3.89	56	37573	267.233	ug/l	97
14) Allyl chloride	4.66	41	167498	44.322	ug/l	98
15) Acrylonitrile	5.36	53	168706	350.877	ug/l	98
16) Acetone	4.12	43	148827	341.438	ug/l	98
17) Carbon Disulfide	4.39	76	343504	48.667	ug/l	99
18) Methyl Acetate	4.66	43	86529	72.418	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	174690	59.231	ug/l	97
20) Methylene Chloride	4.92	84	134002	56.493	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	132743	50.182	ug/l	96
22) Diisopropyl ether	6.31	45	369011	53.530	ug/l	99
23) Vinyl Acetate	6.25	43	1266331	316.589	ug/l	100
24) 1,1-Dichloroethane	6.21	63	225232	51.590	ug/l	99
25) 2-Butanone	7.17	43	240173	383.256	ug/l	96
26) 2,2-Dichloropropane	7.16	77	118474	46.928	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	143855	51.200	ug/l	100
28) Bromochloromethane	7.51	49	84971	54.503	ug/l #	99
29) Tetrahydrofuran	7.52	42	154182	397.407	ug/l	99
30) Chloroform	7.67	83	219776	50.923	ug/l	99
31) Cyclohexane	7.95	56	223524	48.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	174723	51.589	ug/l	99
36) 1,1-Dichloropropene	8.08	75	184972	51.026	ug/l	98
37) Ethyl Acetate	7.25	43	100091	72.129	ug/l	99
38) Carbon Tetrachloride	8.07	117	167572	51.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	241494	51.586	ug/l	99
40) Benzene	8.32	78	520625	50.748	ug/l	99
41) Methacrylonitrile	7.48	41	55767	64.446	ug/l	96
42) 1,2-Dichloroethane	8.40	62	144633	55.947	ug/l	100
43) Isopropyl Acetate	8.42	43	187442	70.568	ug/l	96
44) Trichloroethene	9.09	130	149006	50.706	ug/l	97
45) 1,2-Dichloropropane	9.37	63	129426	52.818	ug/l	99
46) Dibromomethane	9.46	93	68464	57.565	ug/l	98
47) Bromodichloromethane	9.64	83	161212	52.387	ug/l	98
48) Methyl methacrylate	9.43	41	92719	70.391	ug/l	99
49) 1,4-Dioxane	9.45	88	27636	1572.490	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	500859	379.466	ug/l	99
52) Toluene	10.38	92	339175	51.255	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	178659	57.350	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	207133	53.892	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	103951	58.647	ug/l	99
56) Ethyl methacrylate	10.64	69	148444	66.938	ug/l	98
57) 1,3-Dichloropropane	10.93	76	175405	57.667	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	350076	343.001	ug/l	99
59) 2-Hexanone	10.96	43	355079	390.224	ug/l	98
60) Dibromochloromethane	11.13	129	119948	56.996	ug/l	99
61) 1,2-Dibromoethane	11.23	107	102172	60.929	ug/l	100
64) Tetrachloroethene	10.86	164	127220	49.531	ug/l	98
65) Chlorobenzene	11.65	112	358197	51.852	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	129255	53.613	ug/l	99
67) Ethyl Benzene	11.73	91	645659	51.834	ug/l	100
68) m/p-Xylenes	11.84	106	497774	103.432	ug/l	99
69) o-Xylene	12.16	106	231126	52.249	ug/l	99
70) Styrene	12.18	104	405375	53.337	ug/l	99
71) Bromoform	12.35	173	79494	62.831	ug/l	97
73) Isopropylbenzene	12.46	105	648190	50.965	ug/l	100
74) N-amyl acetate	12.27	43	172124	69.962	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	129137	64.343	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	99184m	77.985	ug/l	
77) Bromobenzene	12.74	156	158345	52.118	ug/l	96
78) n-propylbenzene	12.80	91	754530	51.257	ug/l	100
79) 2-Chlorotoluene	12.89	91	417028	50.411	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	548002	51.042	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44027	65.421	ug/l	99
82) 4-Chlorotoluene	12.99	91	435469	50.141	ug/l	99
83) tert-Butylbenzene	13.21	119	487054	51.107	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	540658	51.050	ug/l	100
85) sec-Butylbenzene	13.38	105	668875	51.326	ug/l	100
86) p-Isopropyltoluene	13.50	119	623030	51.323	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	301221	51.170	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	296359	50.676	ug/l	99
89) n-Butylbenzene	13.82	91	565319	51.592	ug/l	100
90) Hexachloroethane	14.09	117	104856	49.694	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	272315	53.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21925	72.243	ug/l	99

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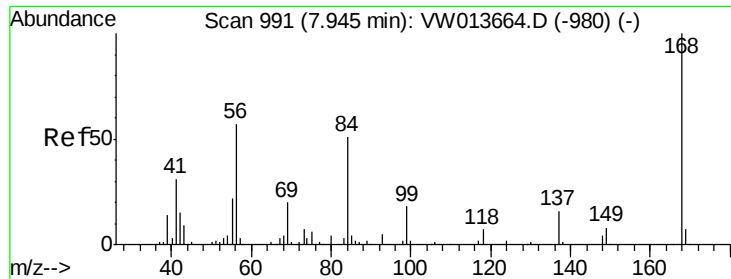
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	205198	55.241	ug/l	98
94) Hexachlorobutadiene	15.24	225	131431	52.412	ug/l	98
95) Naphthalene	15.36	128	416689	71.547	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	188042	58.749	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 274040

Ion Ratio Lower Upper

168 100

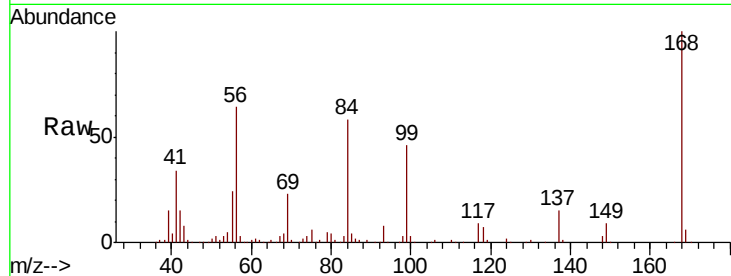
99 46.3 39.0 58.6

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

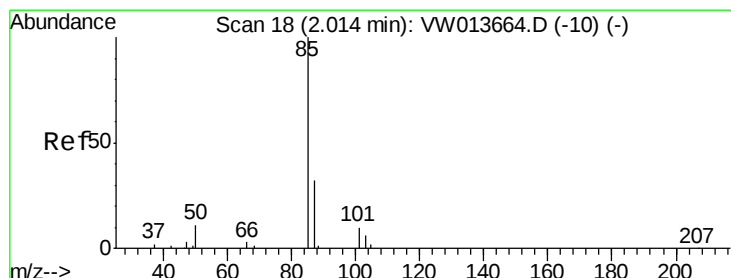
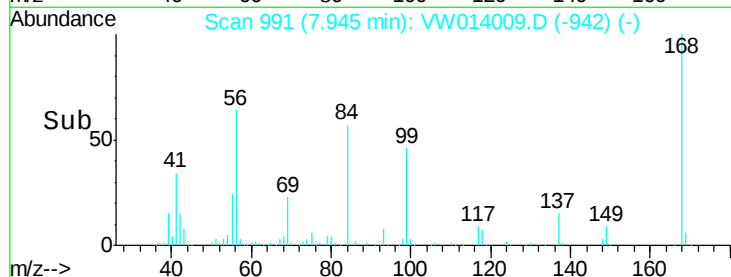
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.945 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014009.D

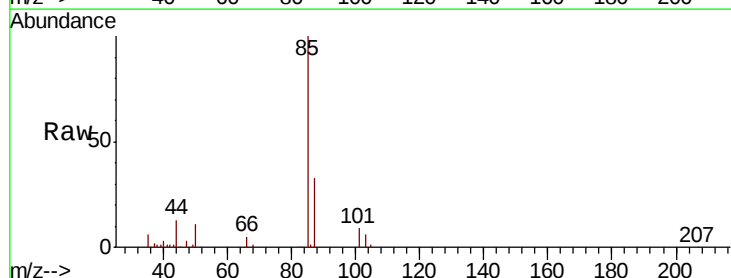
Acq: 13 Nov 2019 16:16

Tgt Ion: 85 Resp: 69219

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

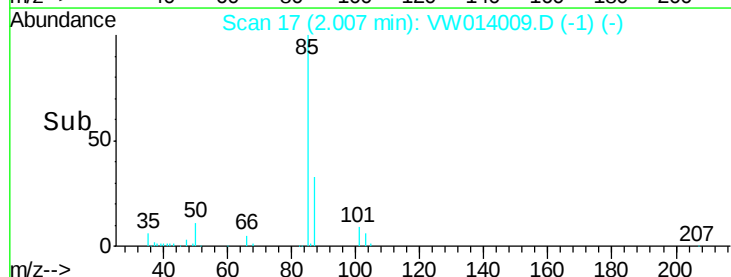
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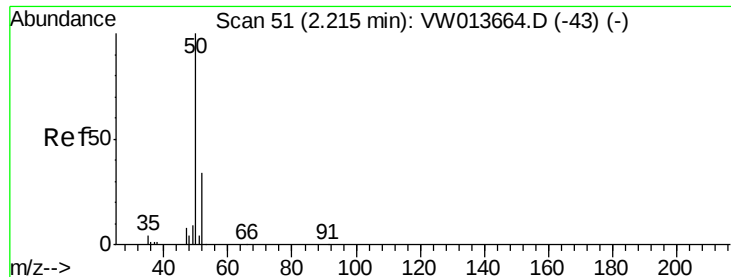
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5000

0

Time-->





#3

Chloromethane

Concen: 41.564 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 64490

Ion Ratio Lower Upper

50 100

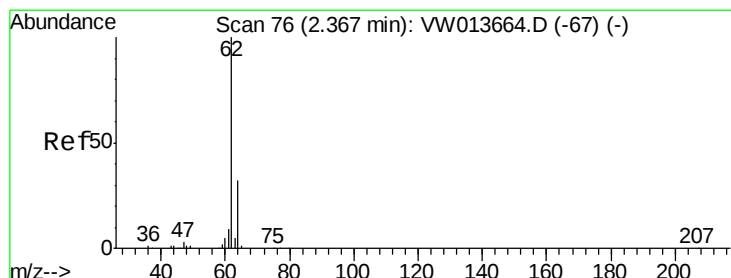
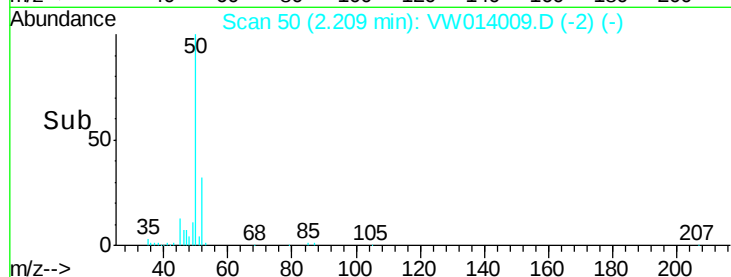
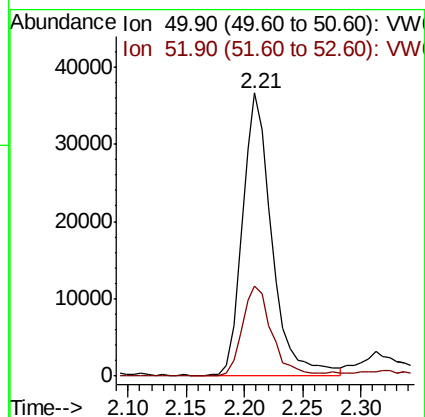
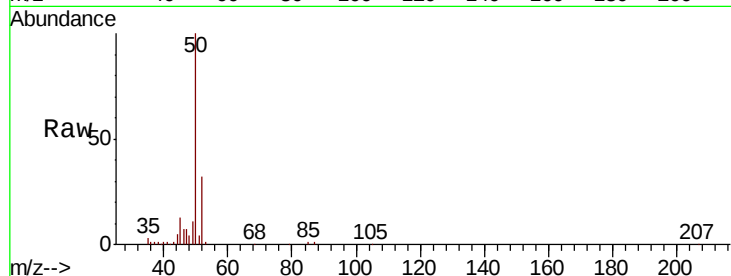
52 31.7 26.9 40.3

Manual Integrations

APPROVED

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11/15/2019 10:50:16 AM



#4

Vinyl Chloride

Concen: 49.729 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014009.D

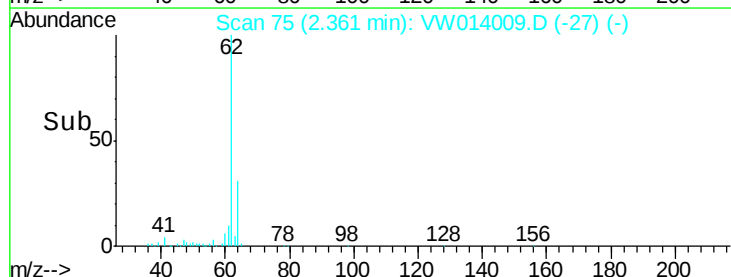
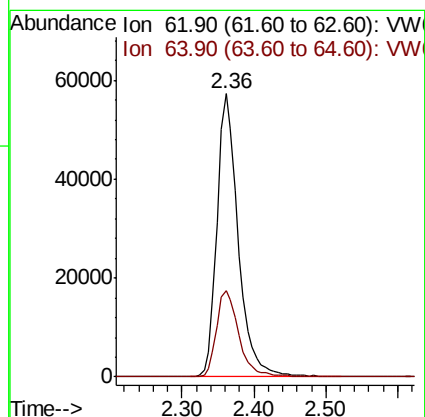
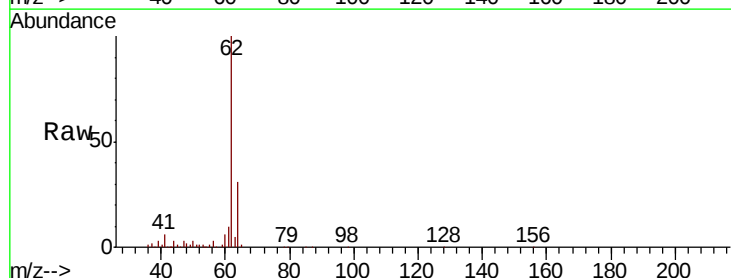
Acq: 13 Nov 2019 16:16

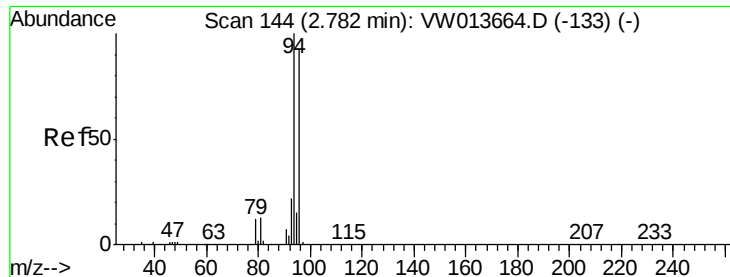
Tgt Ion: 62 Resp: 116524

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 45.971 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.02 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 70844

Ion Ratio Lower Upper

94 100

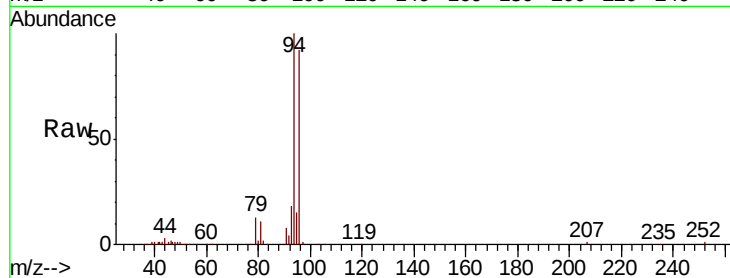
96 92.6 74.6 112.0

Manual Integrations

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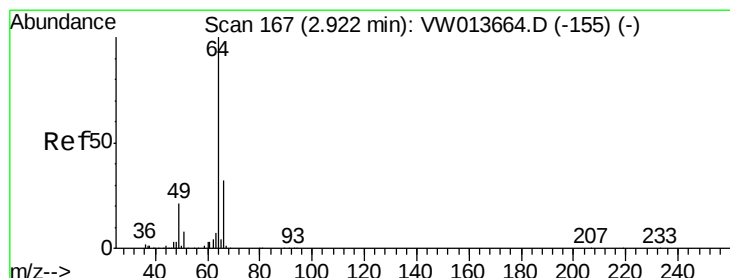
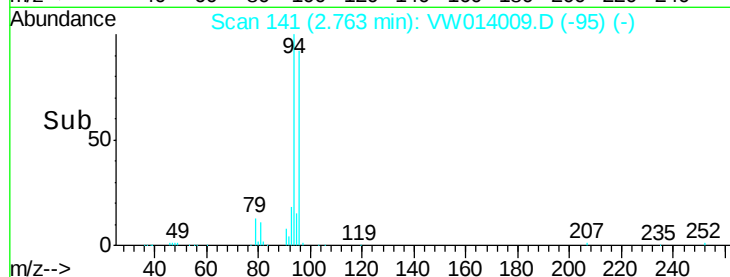
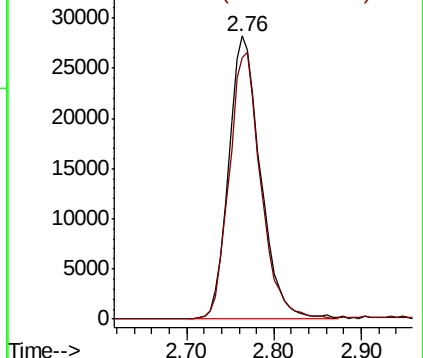
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11/15/2019 10:50:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 49.202 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014009.D

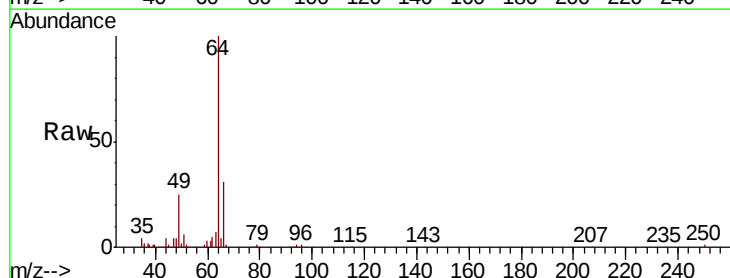
Acq: 13 Nov 2019 16:16

Tgt Ion: 64 Resp: 69761

Ion Ratio Lower Upper

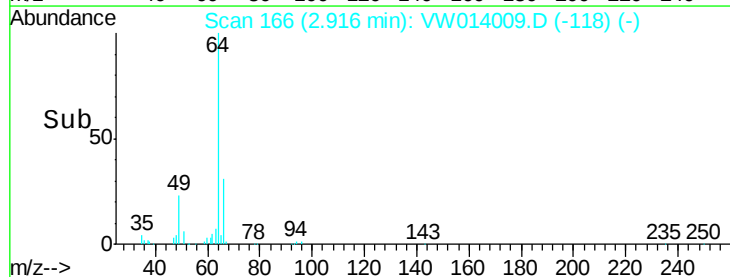
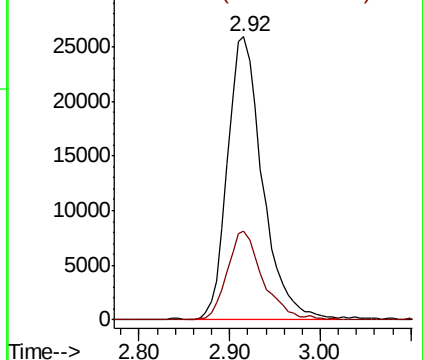
64 100

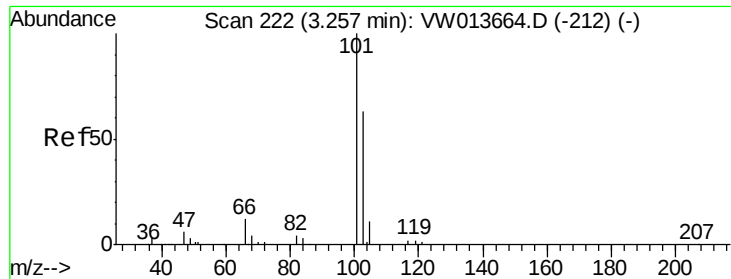
66 31.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

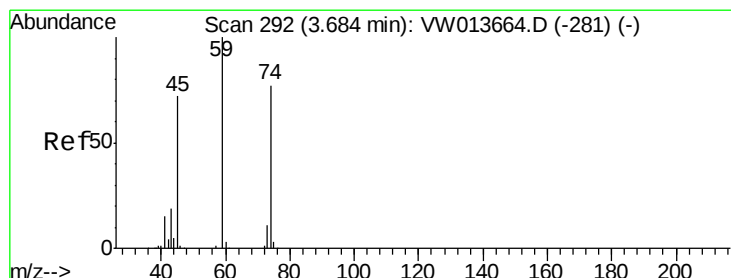
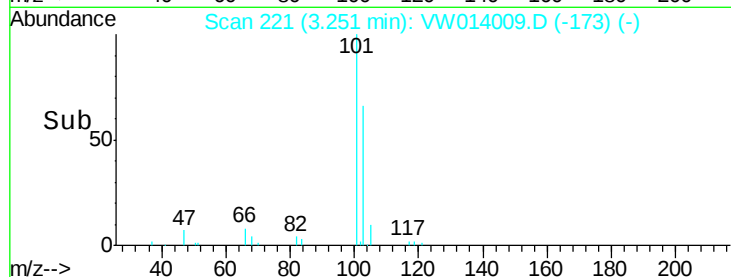
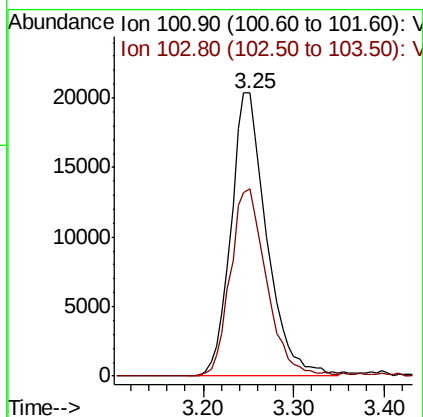
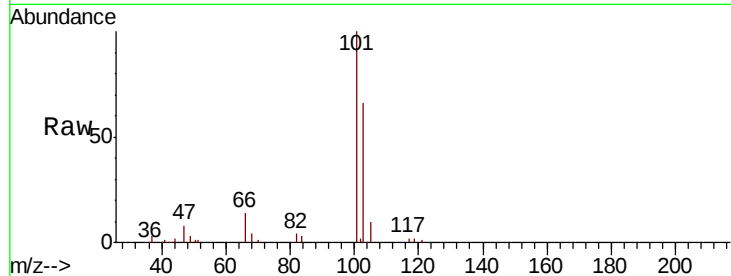
Trichlorofluoromethane
Concen: 38.007 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.6	76.0

Manual Integrations
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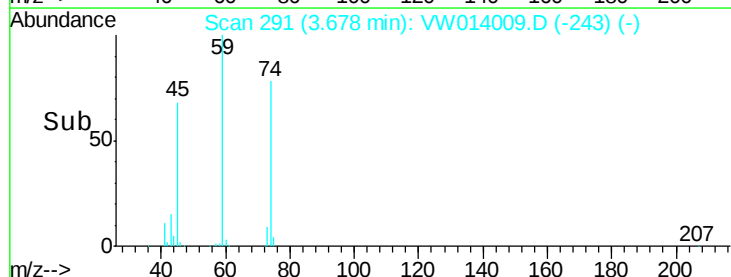
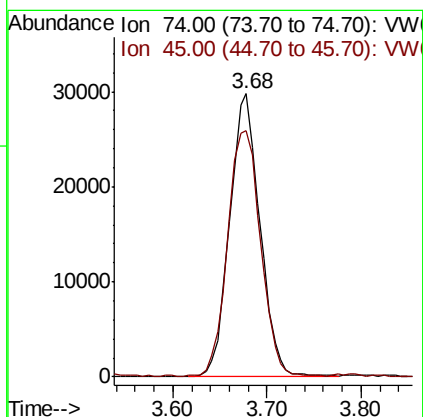
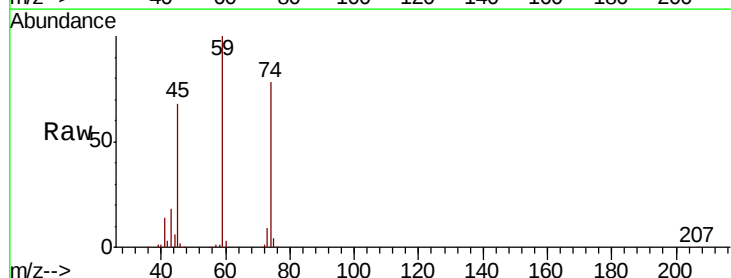
MMDadoda
11/15/2019 10:50:16 AM

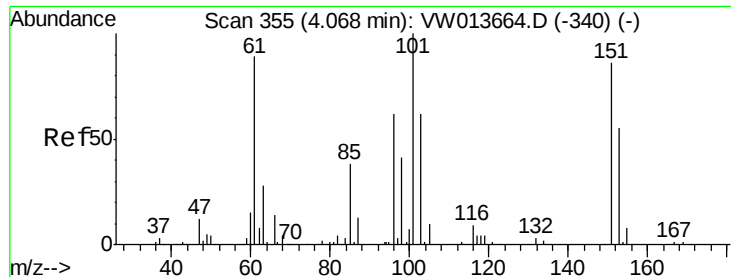


#8

Diethyl Ether
Concen: 56.326 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.578 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

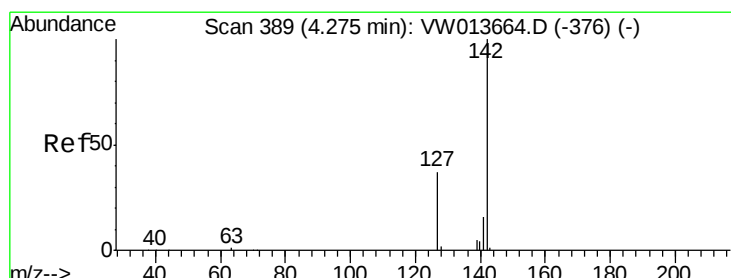
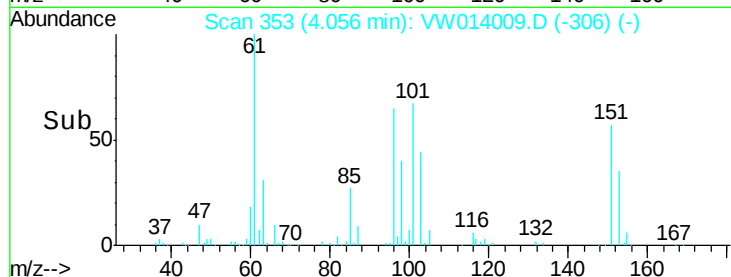
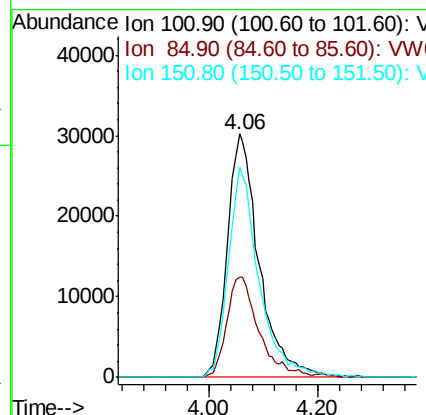
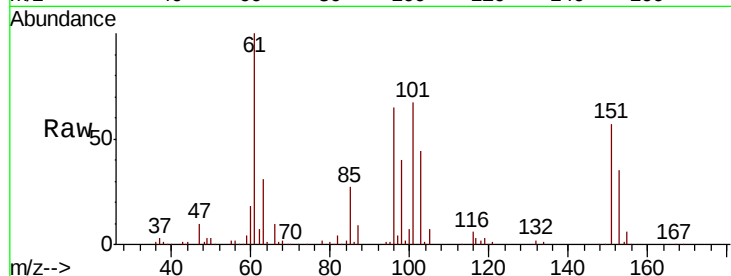
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	122721
Ion Ratio	Lower	Upper	
101	100		
85	41.6	31.0	46.6
151	83.7	68.2	102.4

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#10

Methyl Iodide

Concen: 50.262 ug/l

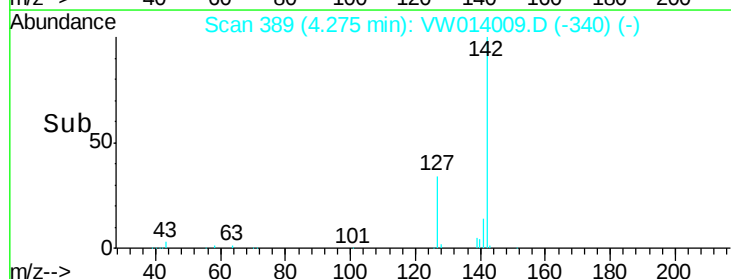
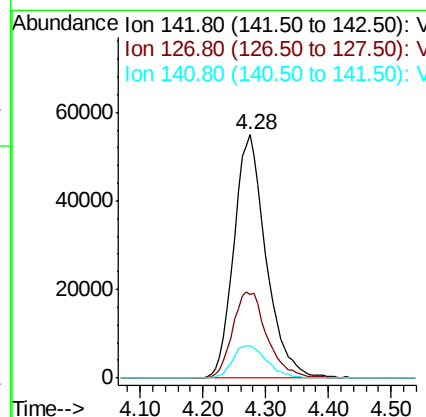
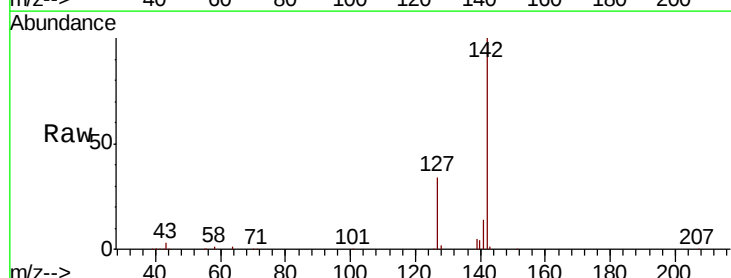
RT: 4.28 min Scan# 389

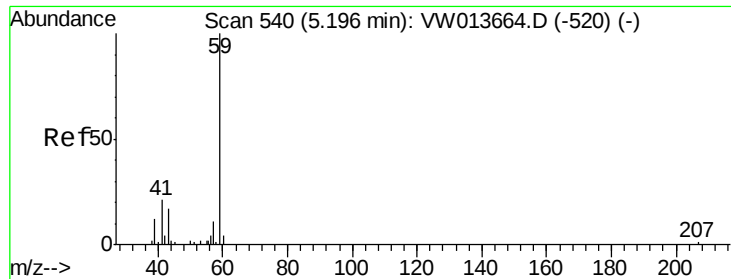
Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Tgt Ion:	142	Resp:	194876
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.3	45.5
141	14.5	11.8	17.8





#11

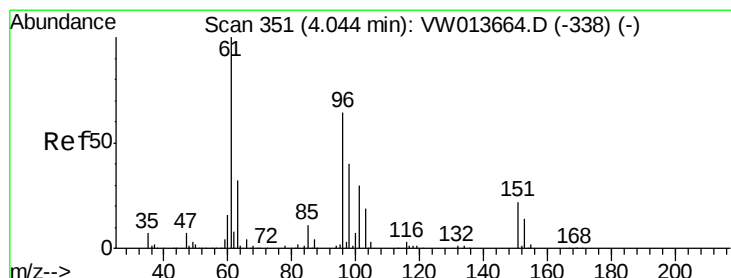
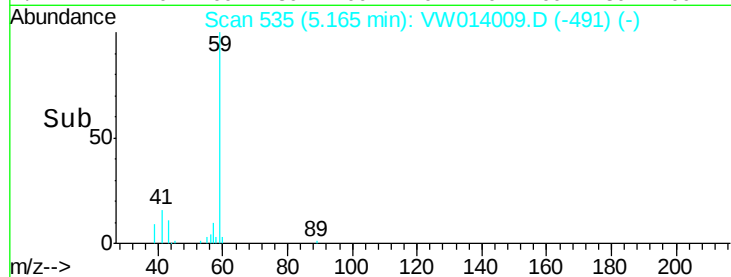
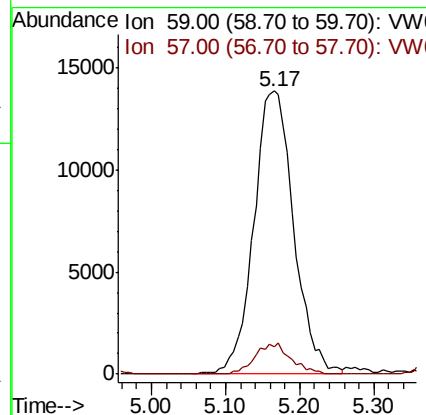
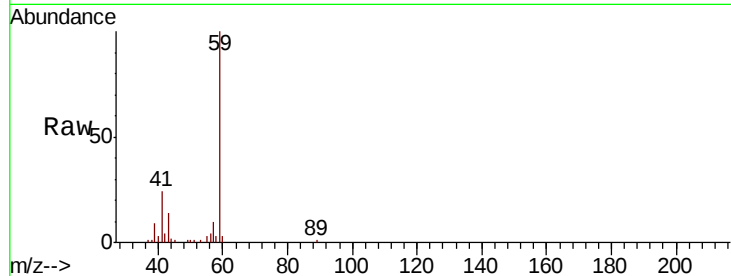
Tert butyl alcohol
Concen: 423.301 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.03 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.8	13.2

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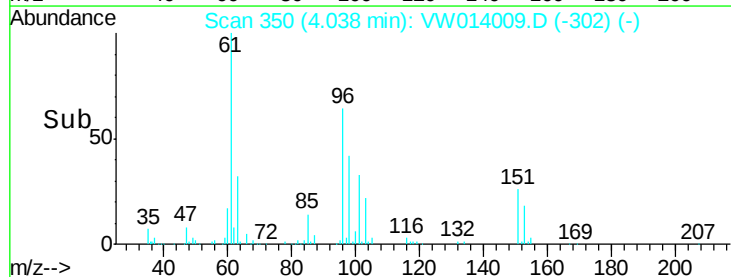
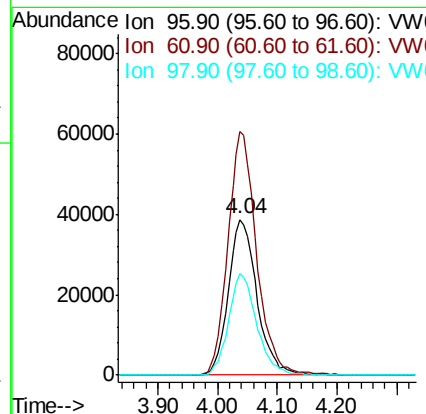
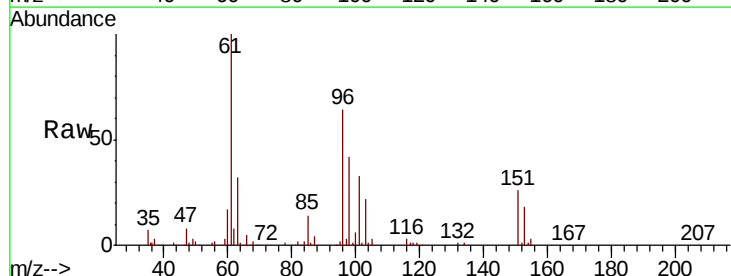
MMDadoda
11/15/2019 10:50:16 AM

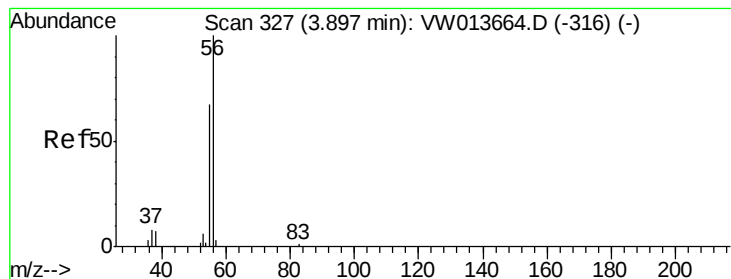


#12

1,1-Dichloroethene
Concen: 52.583 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	125.0	187.6
98	65.5	50.3	75.5





#13

Acrolein

Concen: 267.233 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37573

Ion Ratio Lower Upper

56 100

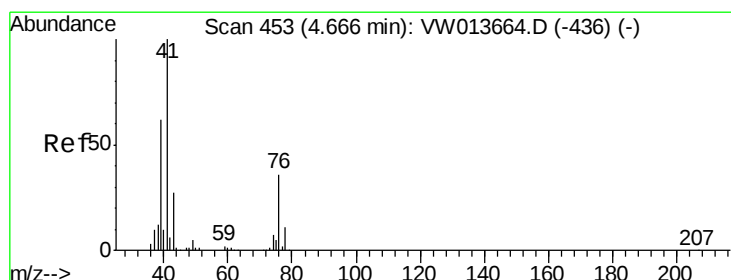
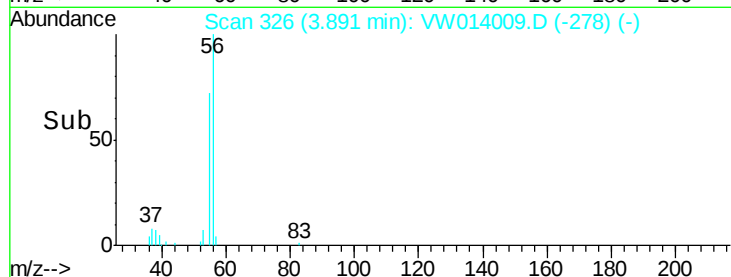
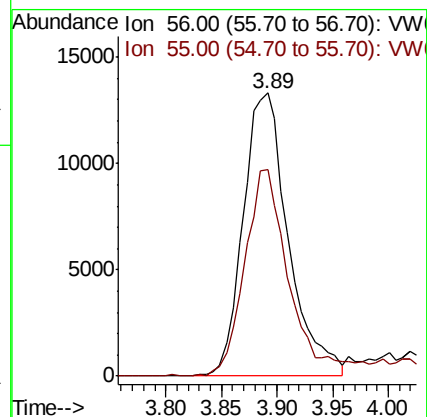
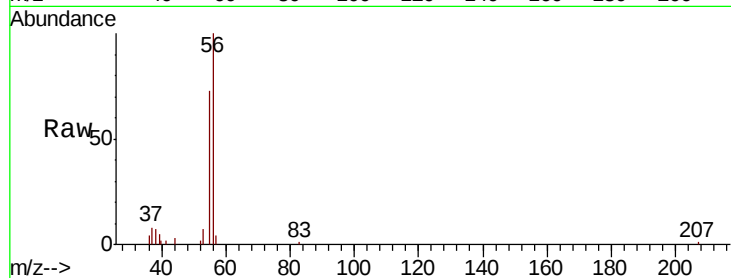
55 72.8 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 44.322 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

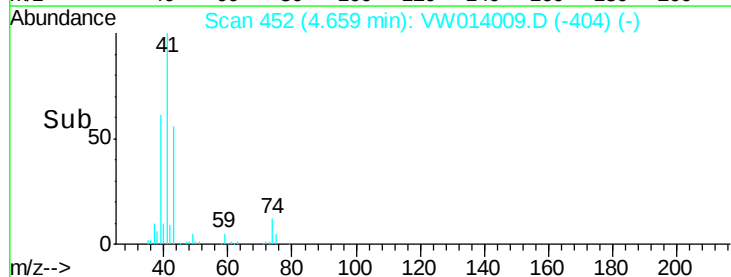
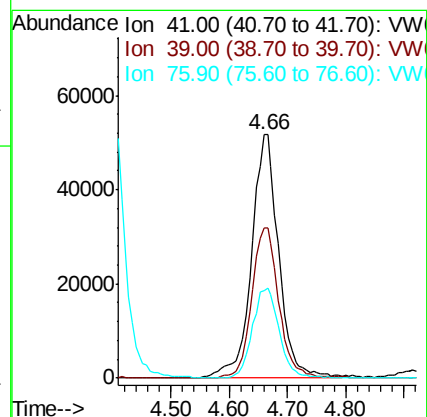
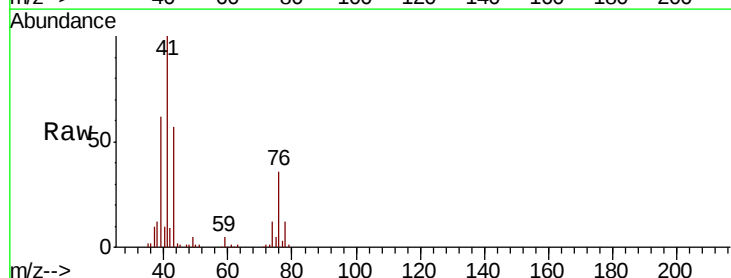
Tgt Ion: 41 Resp: 167498

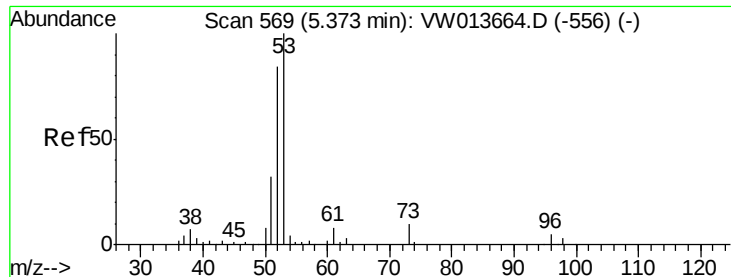
Ion Ratio Lower Upper

41 100

39 61.3 50.0 75.0

76 35.5 29.6 44.4





#15

Acrylonitrile

Concen: 350.877 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

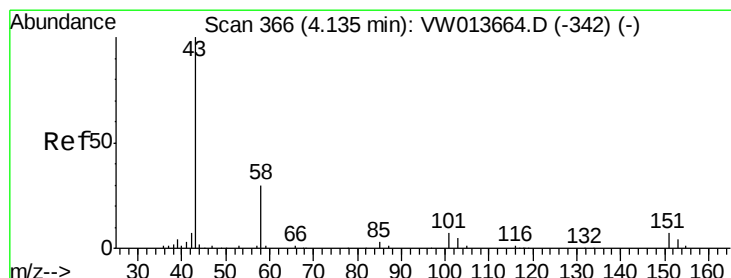
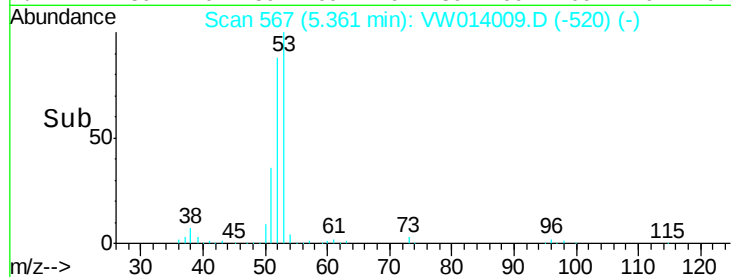
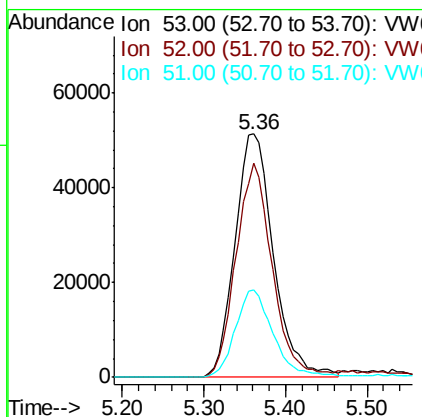
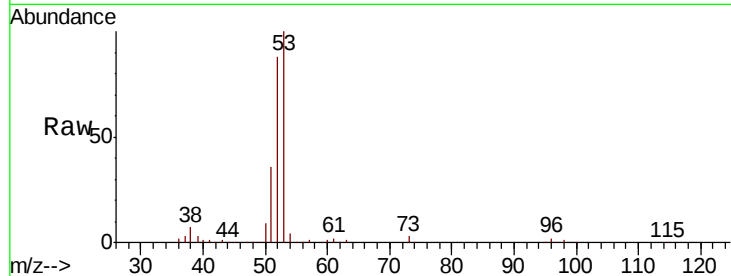
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	168706
Ion Ratio	Lower	Upper	
53	100		
52	82.2	67.4	101.0
51	35.3	29.1	43.7

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#16

Acetone

Concen: 341.438 ug/l

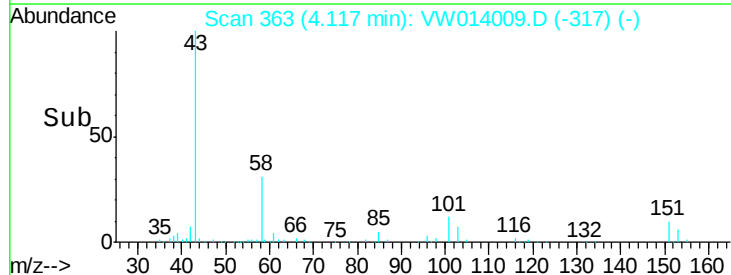
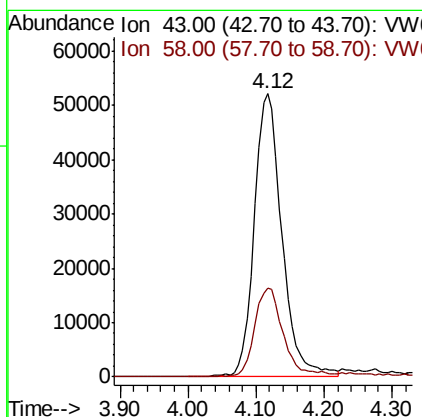
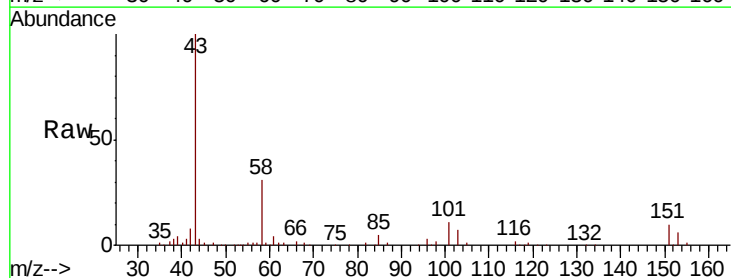
RT: 4.12 min Scan# 363

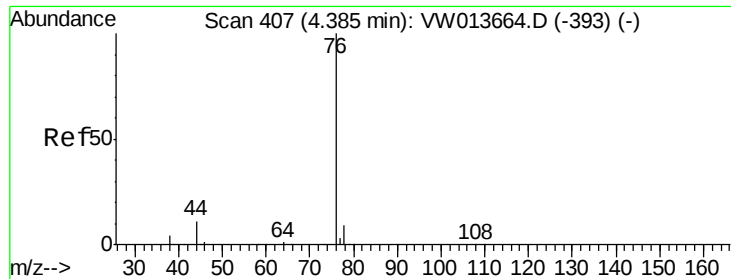
Delta R.T. -0.02 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Tgt Ion:	43	Resp:	148827
Ion Ratio	Lower	Upper	
43	100		
58	31.2	24.1	36.1





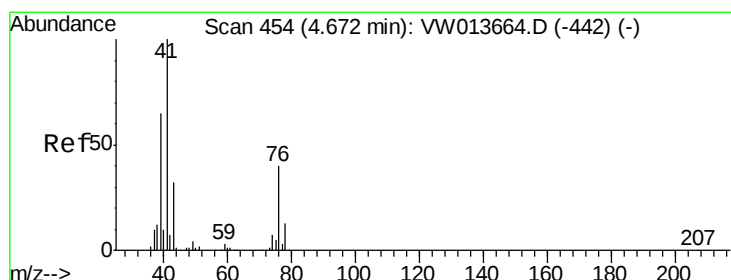
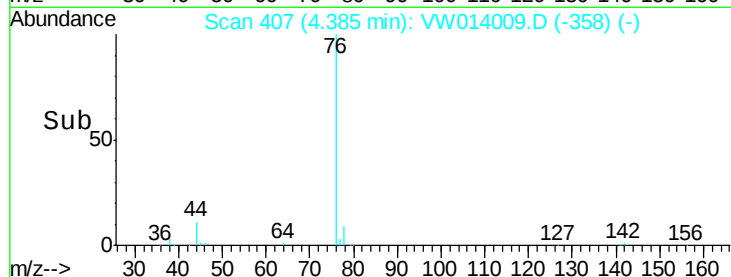
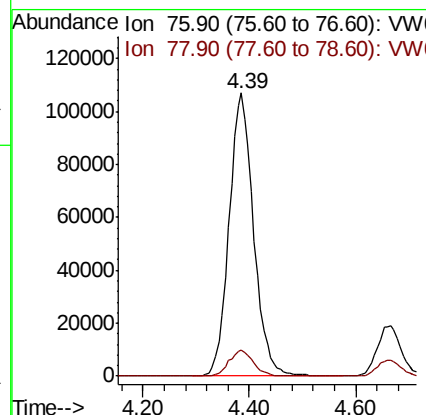
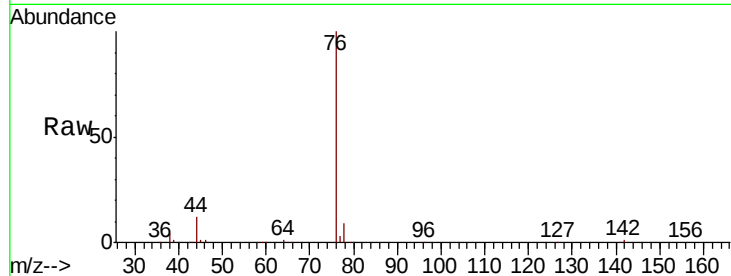
#17
Carbon Disulfide
Concen: 48.667 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

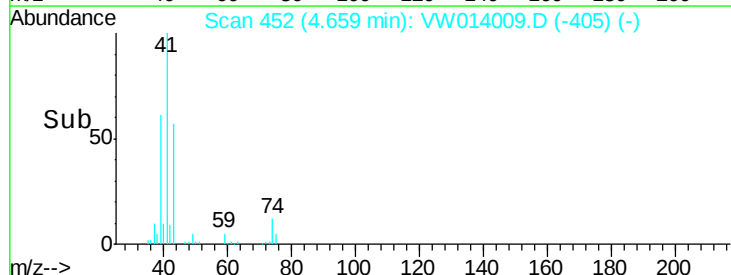
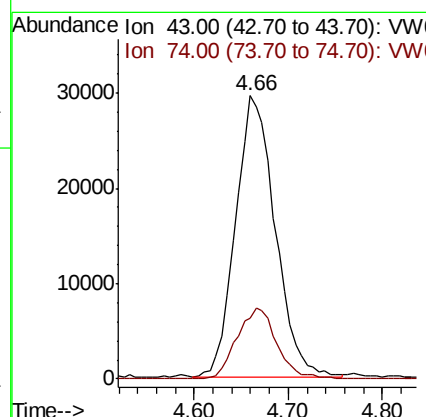
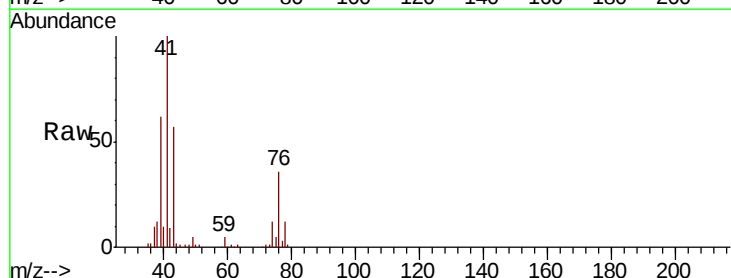
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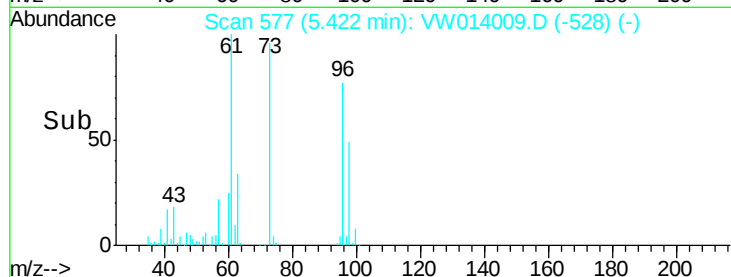
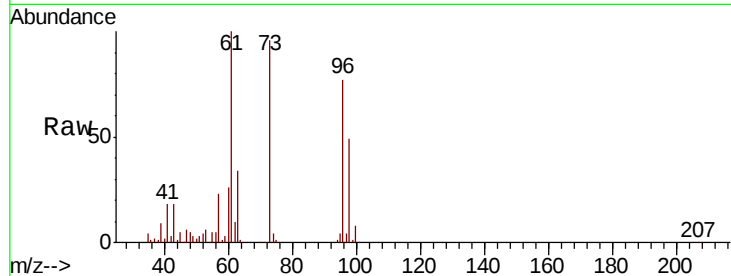
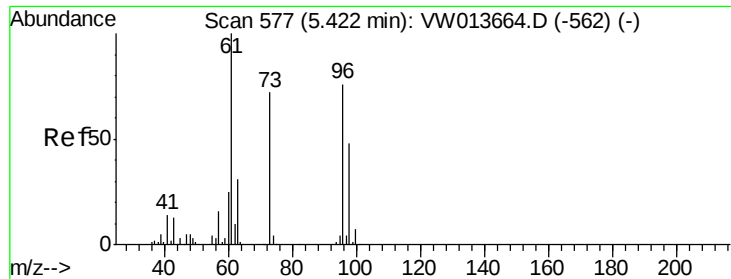
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#18
Methyl Acetate
Concen: 72.418 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.8	29.8





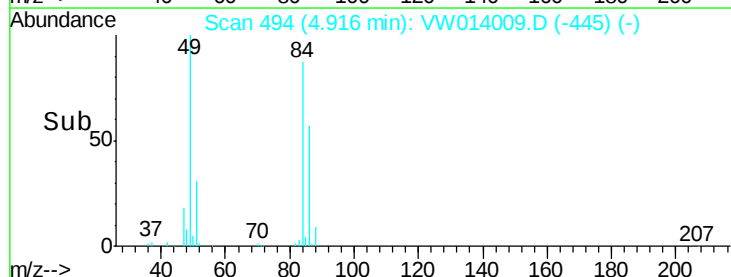
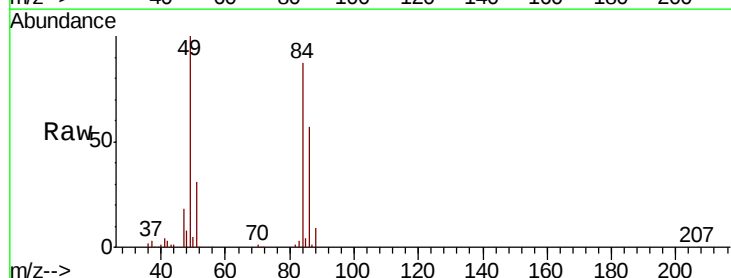
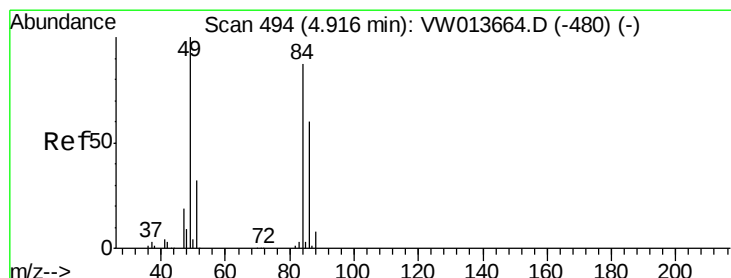
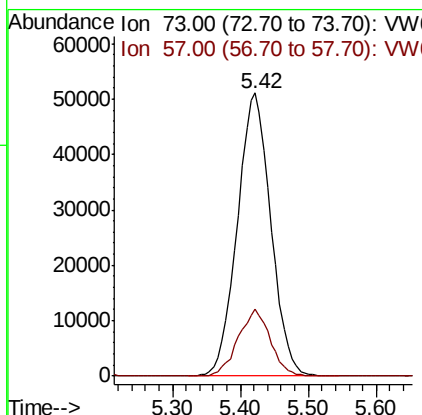
#19
Methyl tert-butyl Ether
Concen: 59.231 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.6	26.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

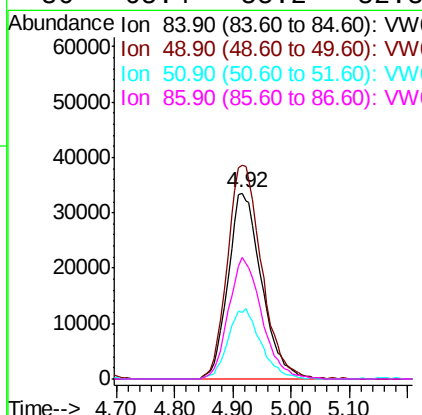
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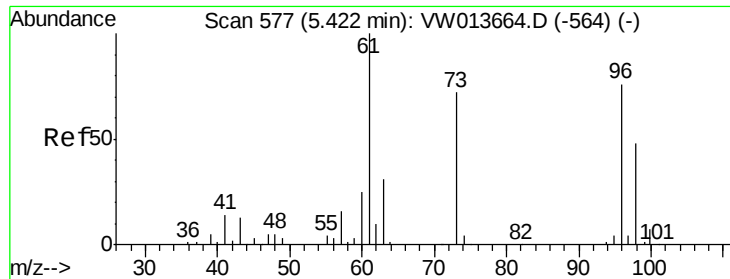
MMDadoda
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#20
Methylene Chloride
Concen: 56.493 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.1	91.8	137.6
51	35.8	29.8	44.6
86	65.4	55.2	82.8





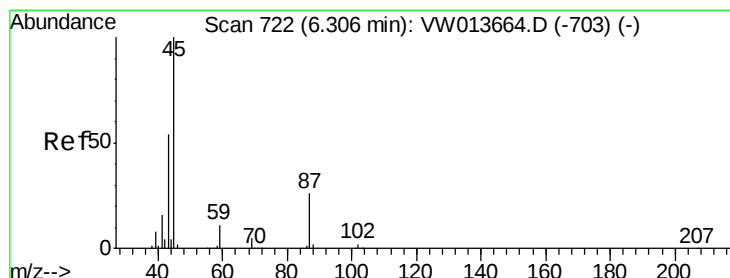
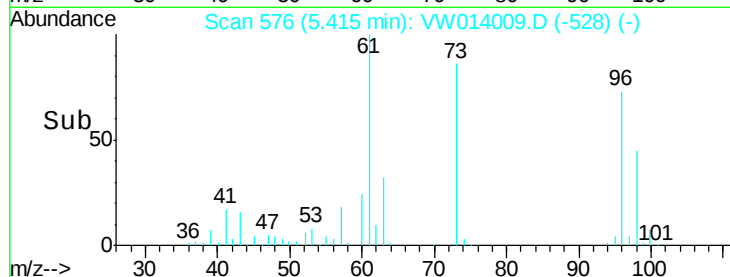
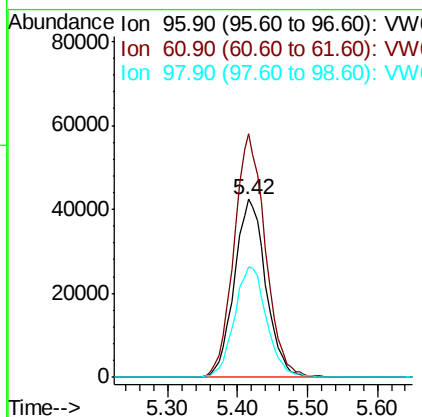
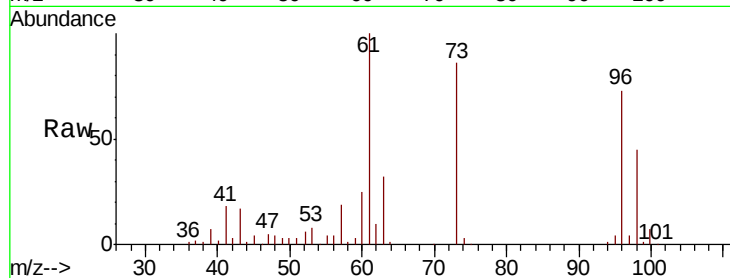
#21
trans-1,2-Dichloroethene
Concen: 50.182 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	104.8	157.2
98	62.2	50.6	76.0

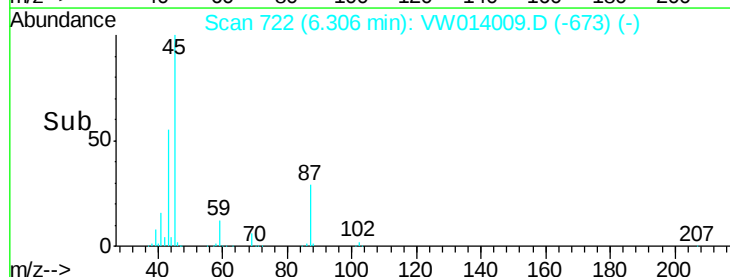
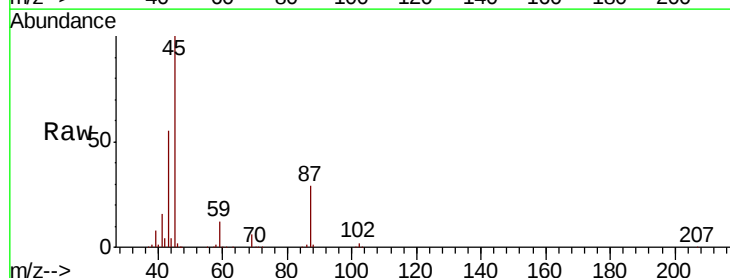
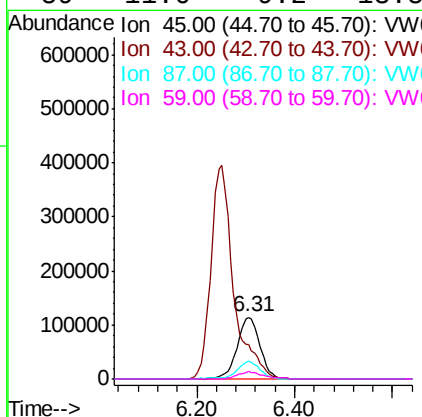
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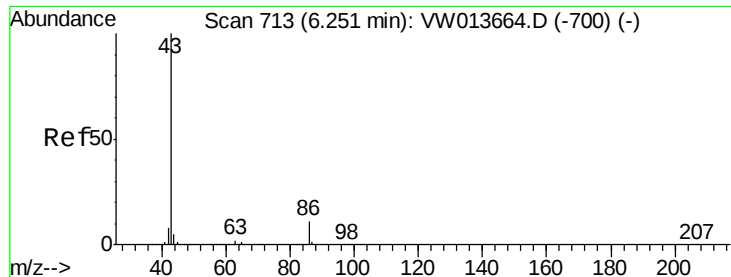
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#22
Diisopropyl ether
Concen: 53.530 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.4	65.2
87	28.6	21.5	32.3
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 316.589 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1266331

Ion Ratio Lower Upper

43 100

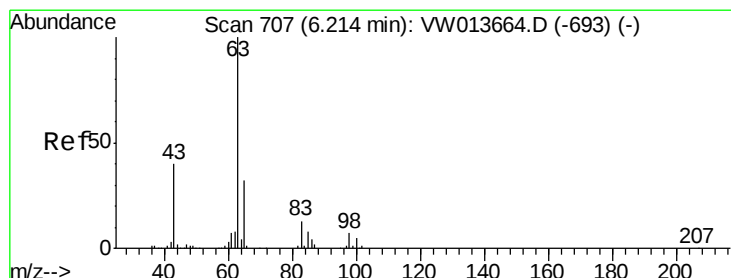
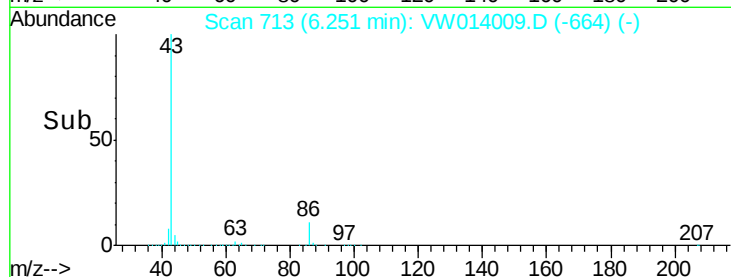
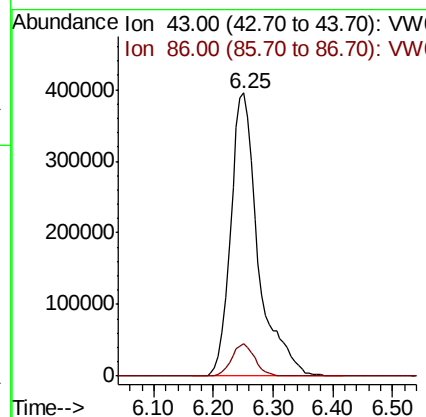
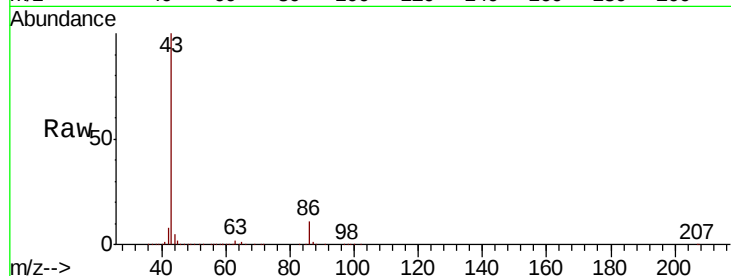
86 11.4 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.590 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

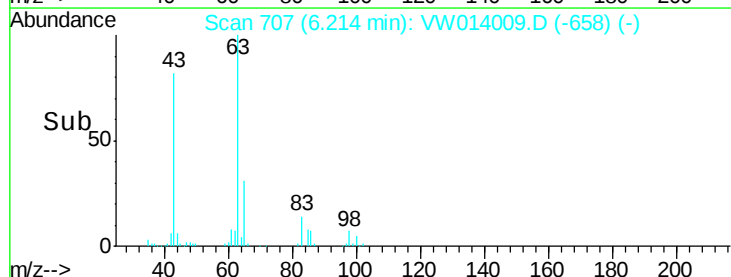
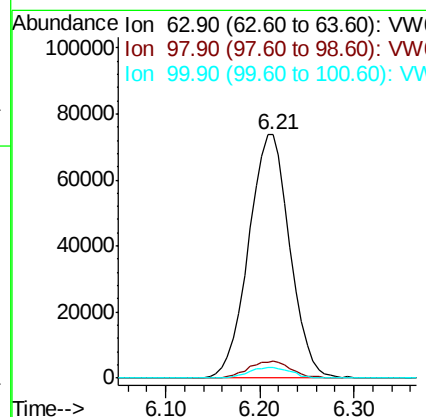
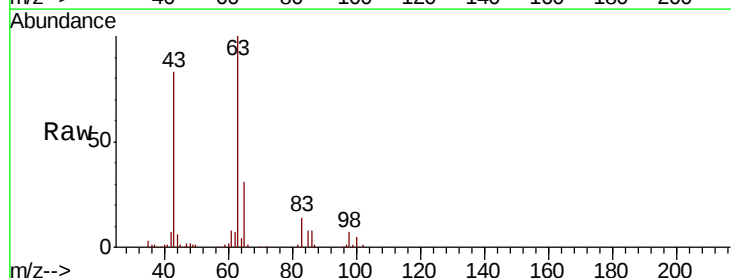
Tgt Ion: 63 Resp: 225232

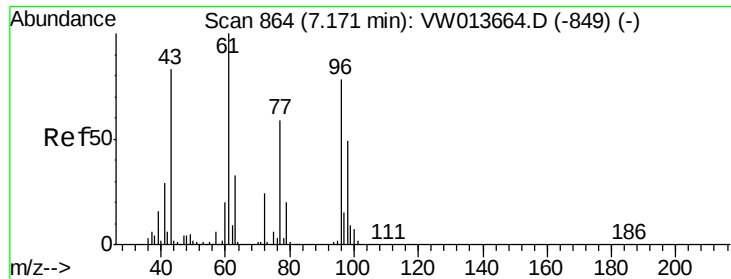
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.9

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 383.256 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 240173

Ion Ratio Lower Upper

43 100

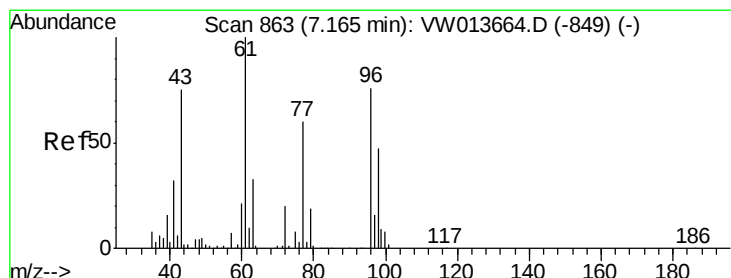
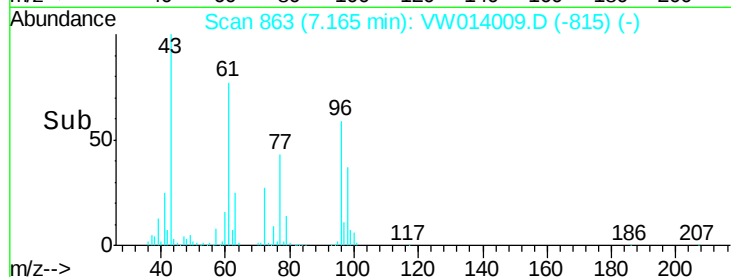
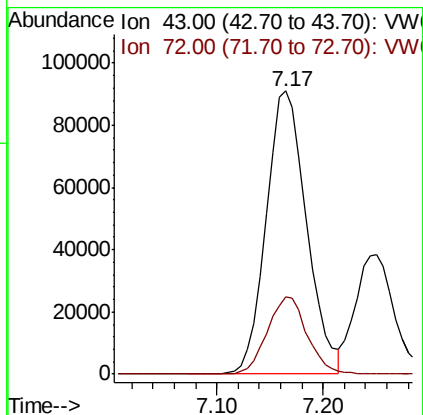
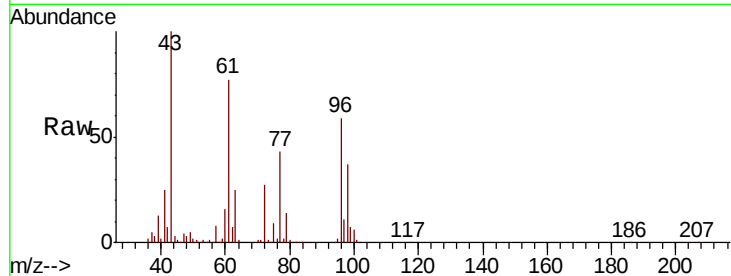
72 27.3 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.928 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014009.D

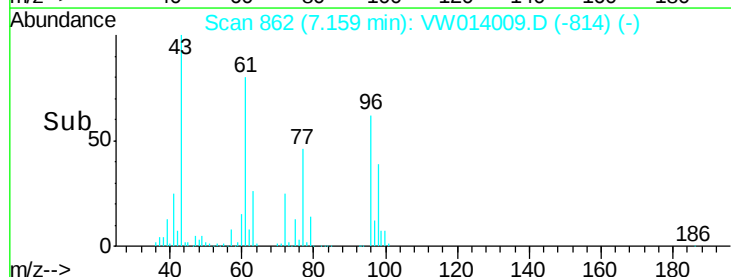
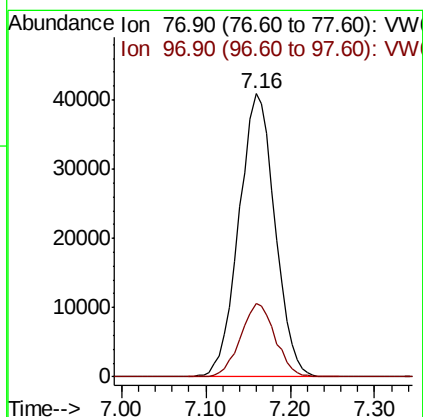
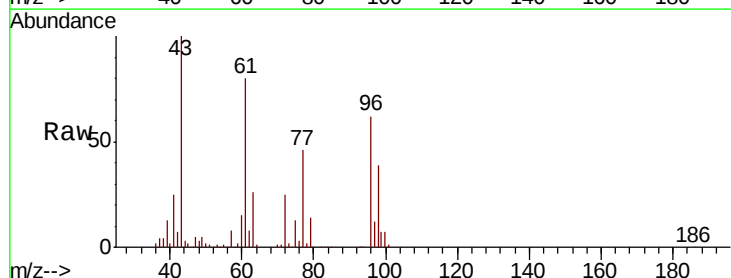
Acq: 13 Nov 2019 16:16

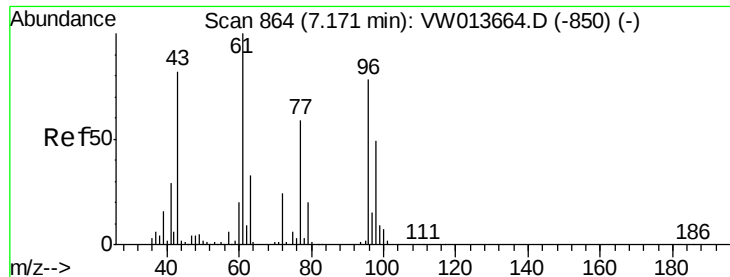
Tgt Ion: 77 Resp: 118474

Ion Ratio Lower Upper

77 100

97 24.8 12.8 38.4





#27

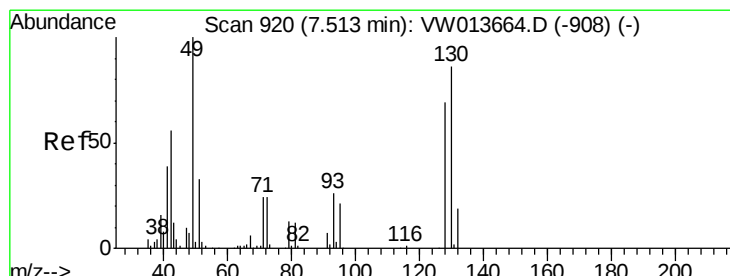
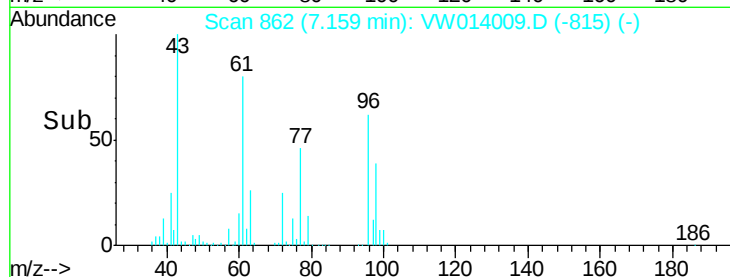
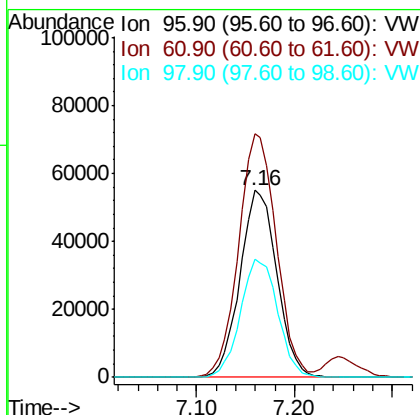
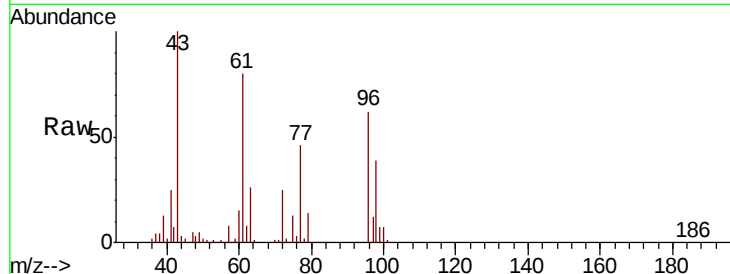
cis-1,2-Dichloroethene
Concen: 51.200 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.4	0.0	266.0	
98	64.1	0.0	126.8	

Manual Integrations
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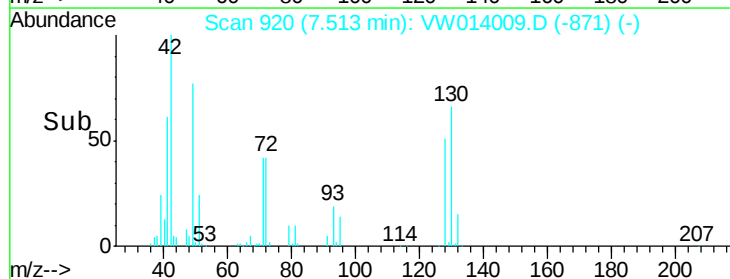
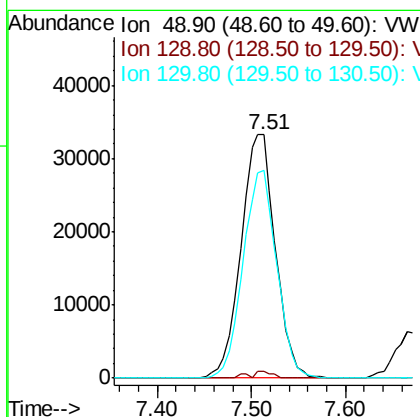
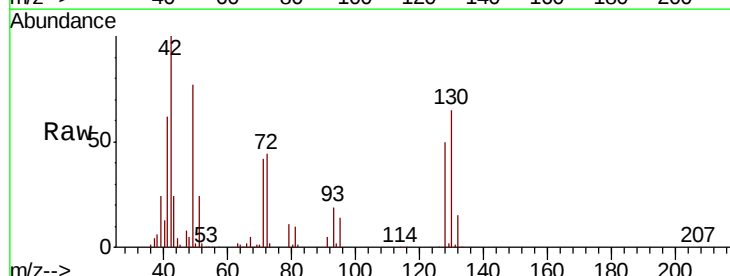
MMDadoda
11/15/2019 10:50:16 AM

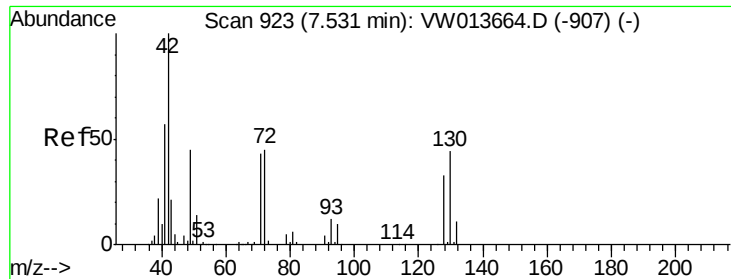


#28

Bromochloromethane
Concen: 54.503 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	0.6#	
130	83.8	67.5	101.3	





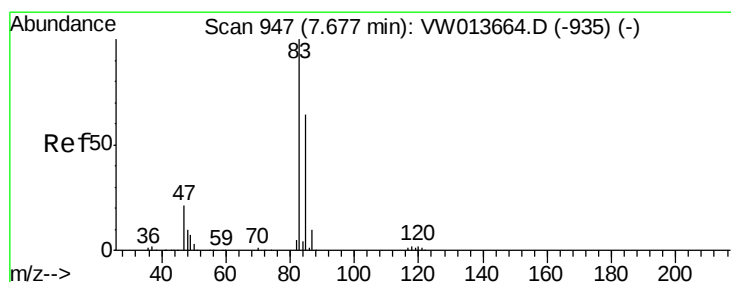
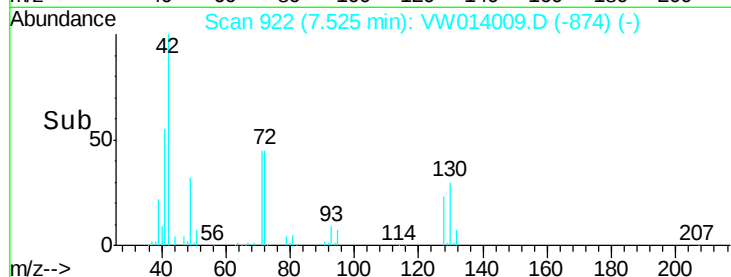
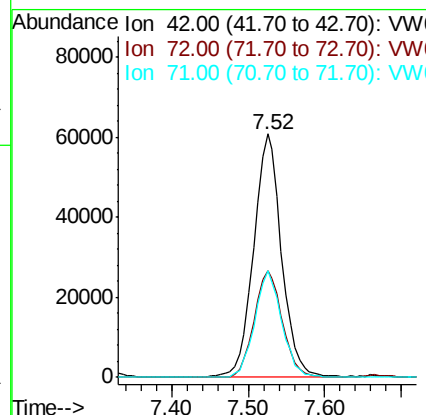
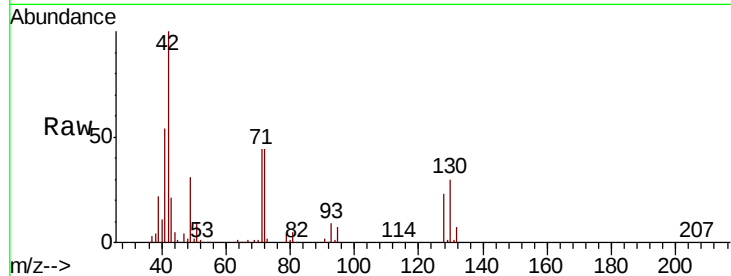
#29
Tetrahydrofuran
Concen: 397.407 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.3	52.9
71	42.4	33.3	49.9

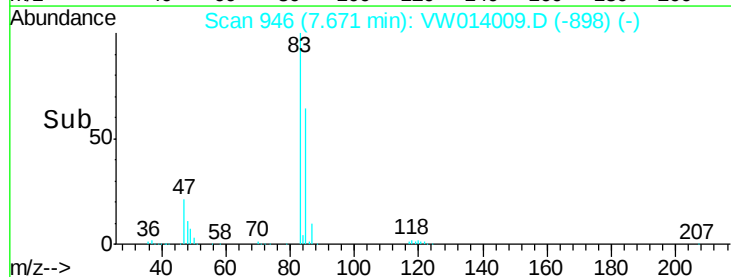
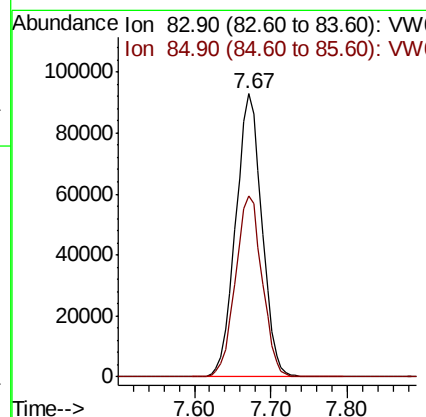
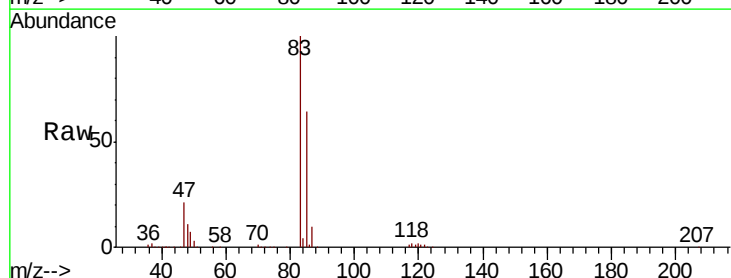
Manual Integrations
APPROVED

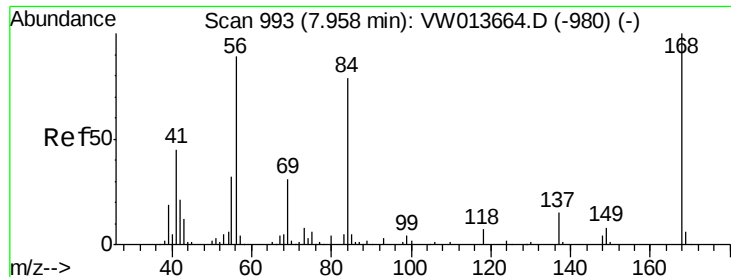
MMDadoda
11/15/2019 10:50:16 AM



#30
Chloroform
Concen: 50.923 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2





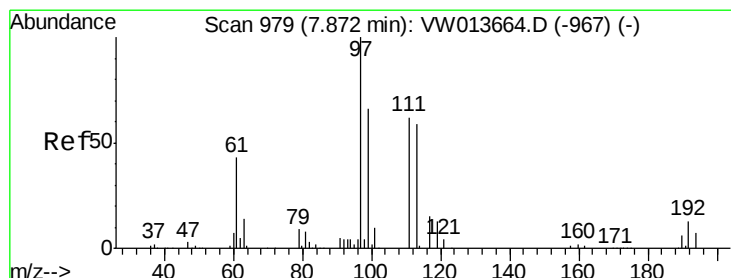
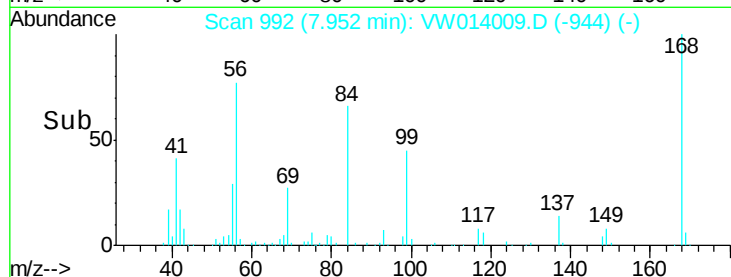
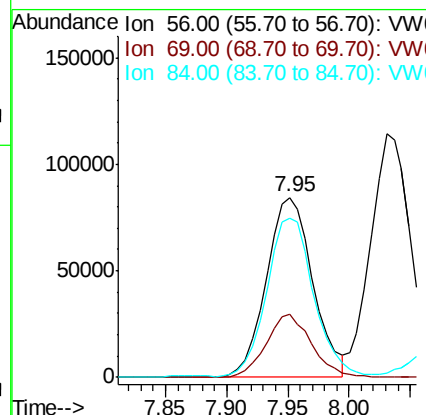
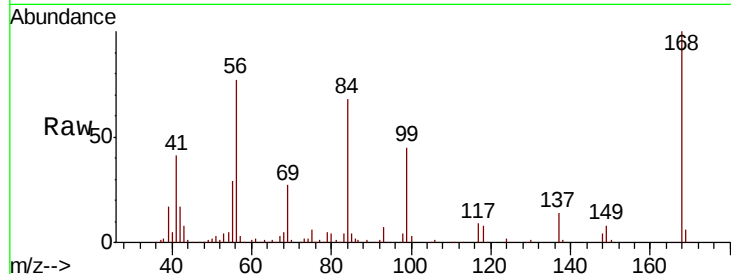
#31
Cyclohexane
Concen: 48.923 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	27.5	41.3
84	87.5	70.8	106.2

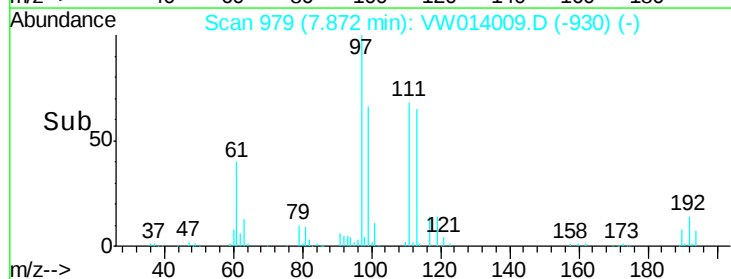
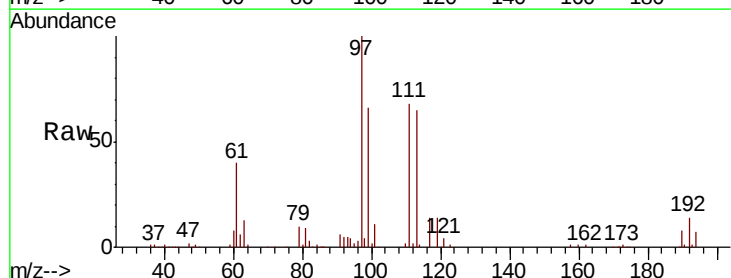
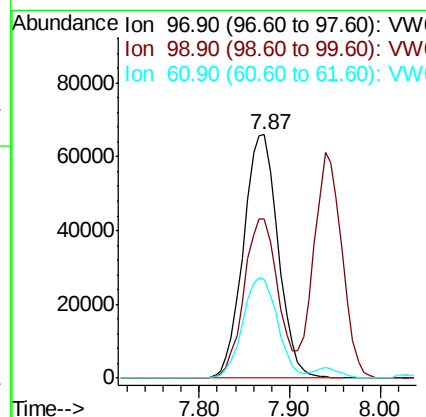
Manual Integrations
APPROVED

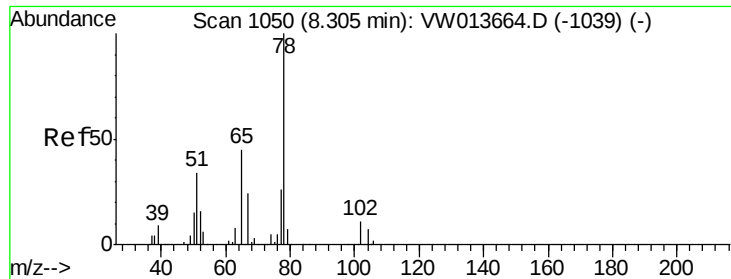
MMDadoda
11/15/2019 10:50:16 AM



#32
1,1,1-Trichloroethane
Concen: 51.589 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.0	78.0
61	41.4	33.8	50.6





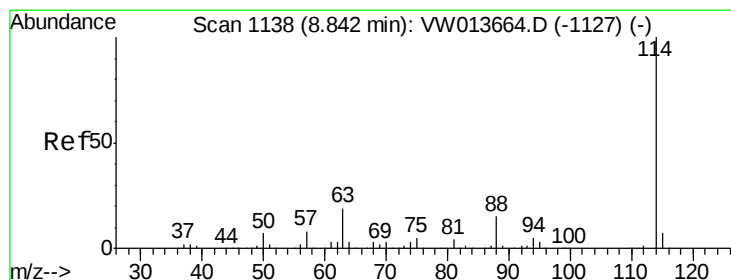
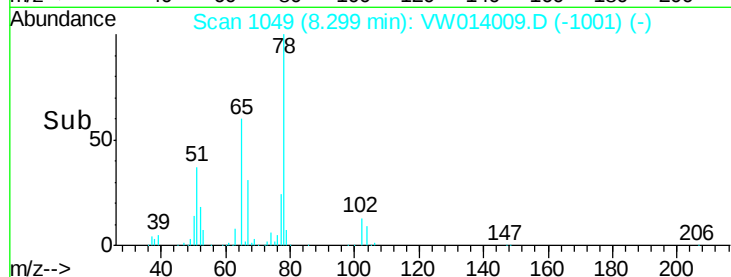
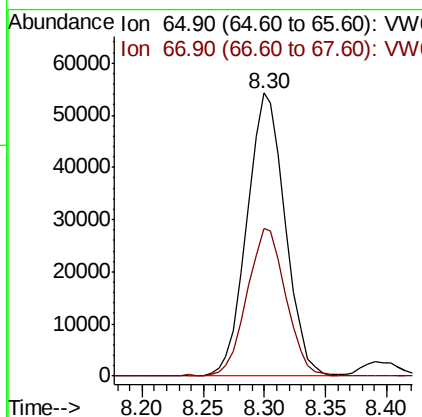
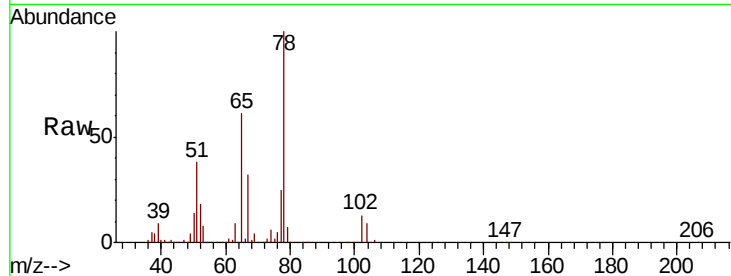
#33
 1,2-Dichloroethane-d4
 Concen: 57.227 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 117645
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.4

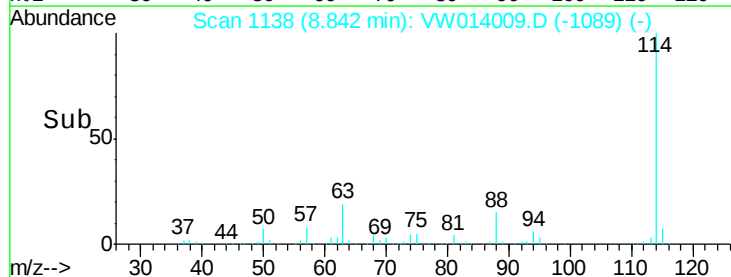
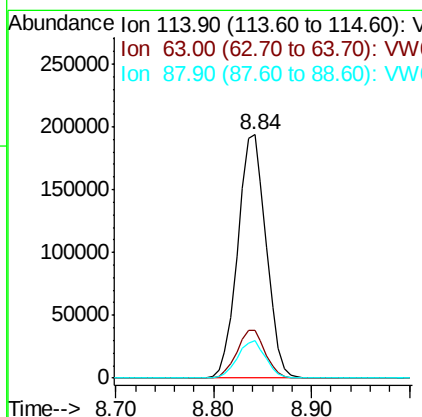
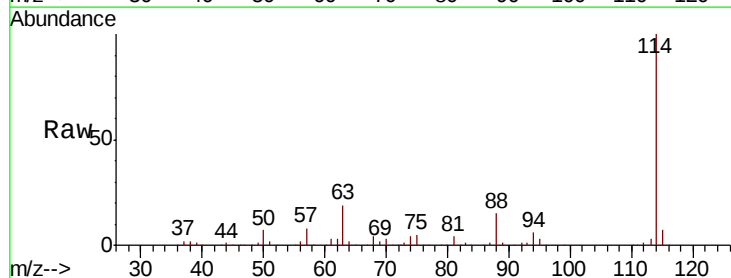
Manual Integrations
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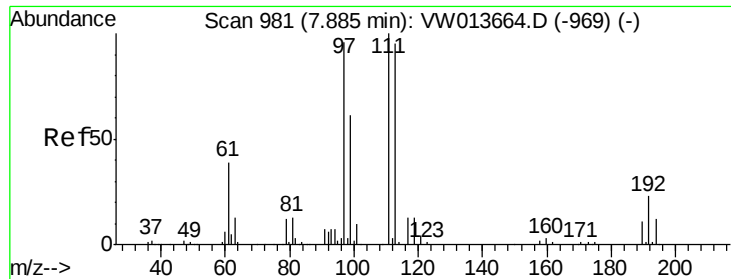
MMDadoda
 11/15/2019 10:50:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Tgt Ion: 114 Resp: 389243
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.6
 88 15.4 0.0 30.2





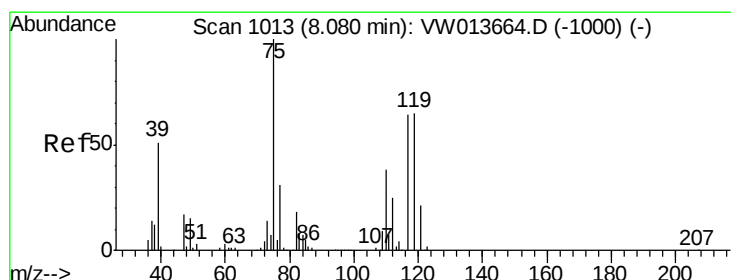
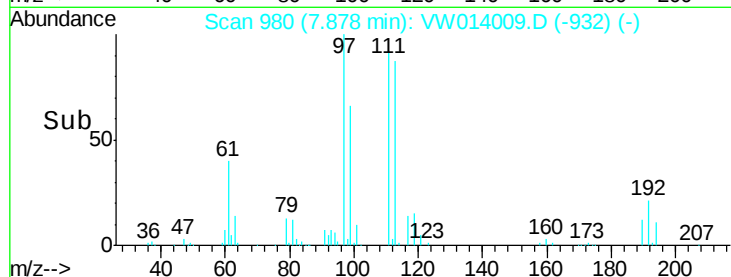
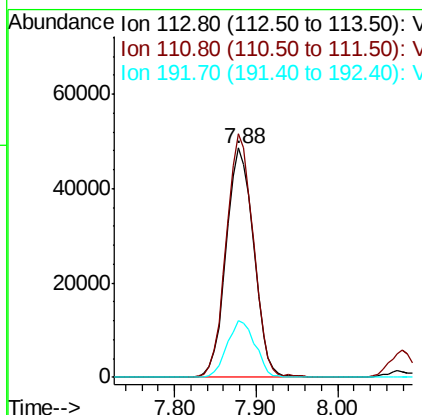
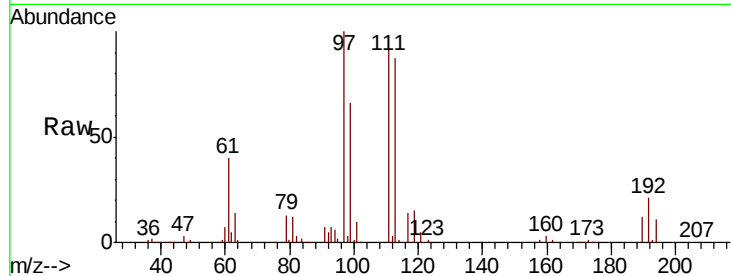
#35
Dibromofluoromethane
Concen: 52.417 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113371		
111	104.3	83.0	124.6	
192	25.0	19.4	29.2	

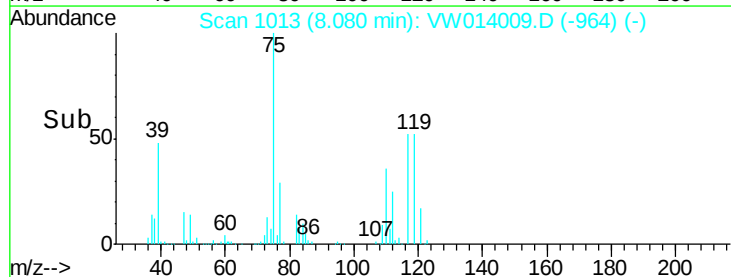
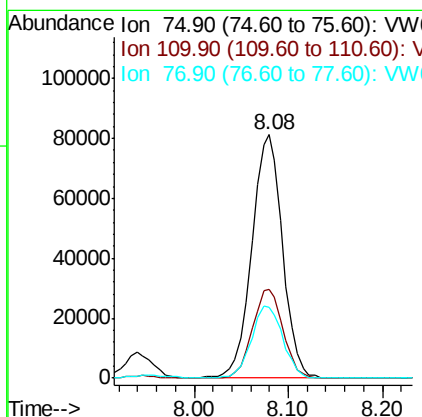
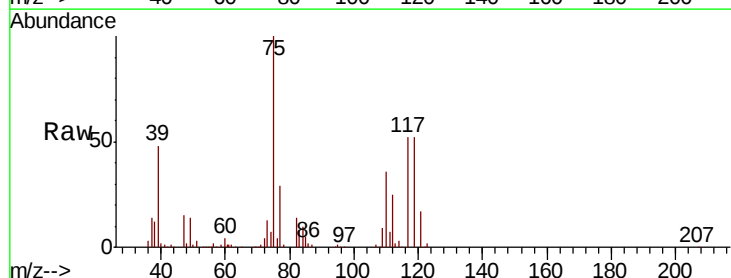
Manual Integrations
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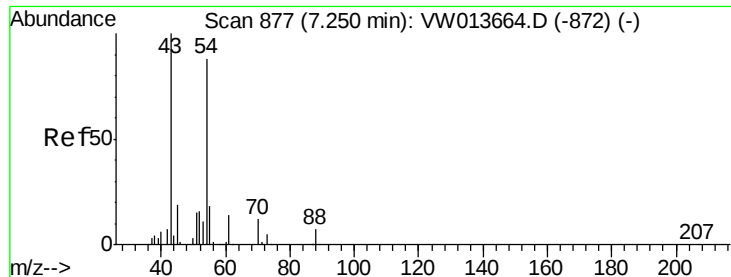
MMDadoda
11/15/2019 10:50:16 AM



#36
1,1-Dichloropropene
Concen: 51.026 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	184972		
110	36.4	18.7	56.1	
77	30.6	25.4	38.0	





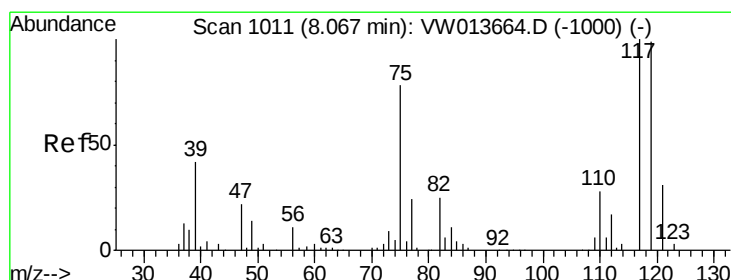
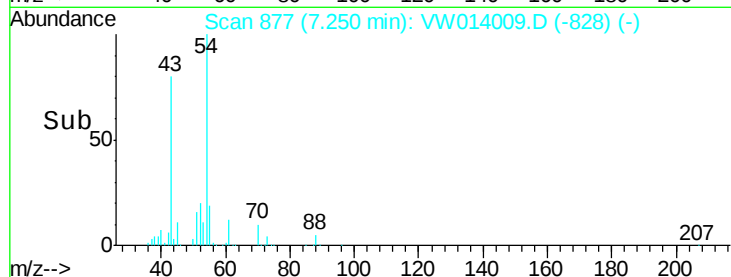
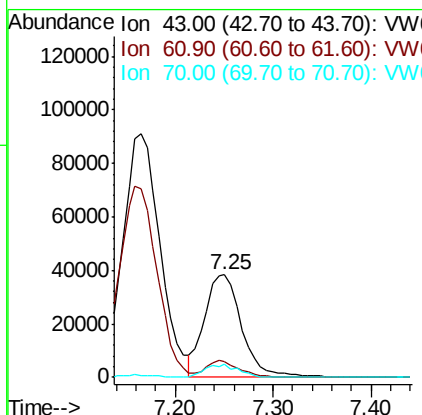
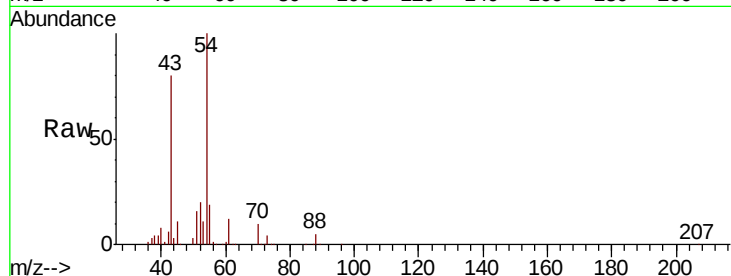
#37
Ethyl Acetate
Concen: 72.129 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	11.7	8.8	13.2

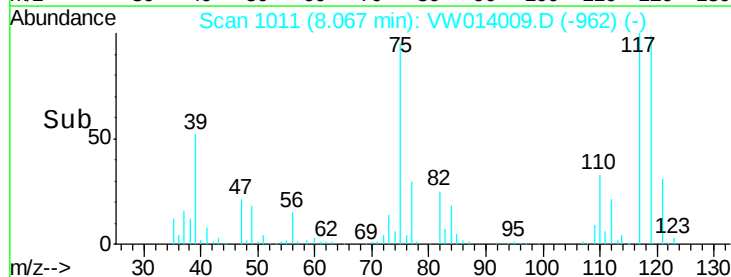
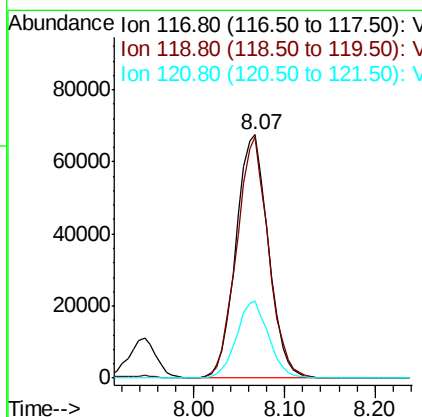
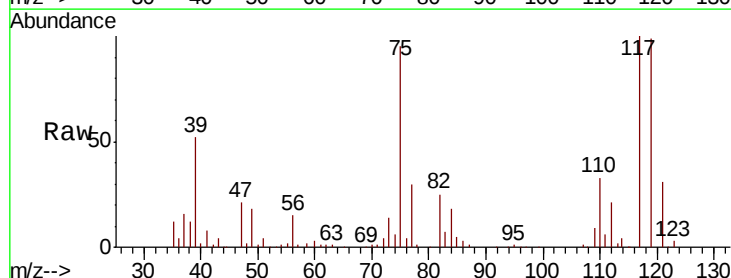
Manual Integrations
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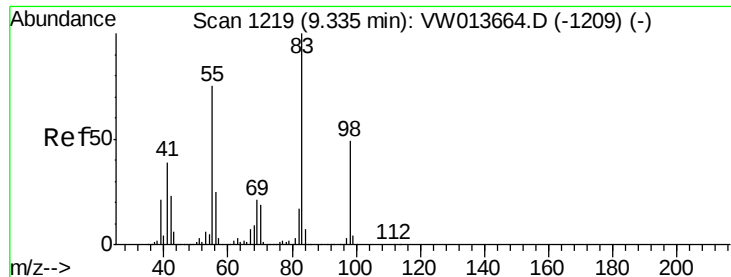
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#38
Carbon Tetrachloride
Concen: 51.333 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	79.0	118.4
121	31.5	24.5	36.7





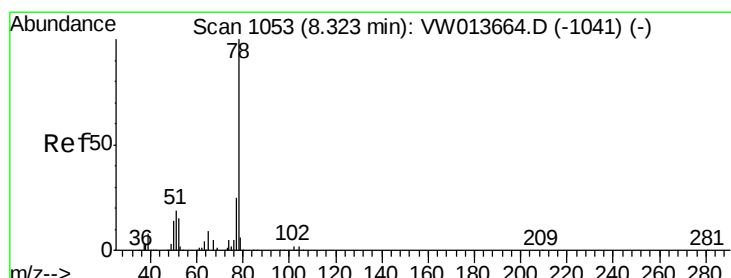
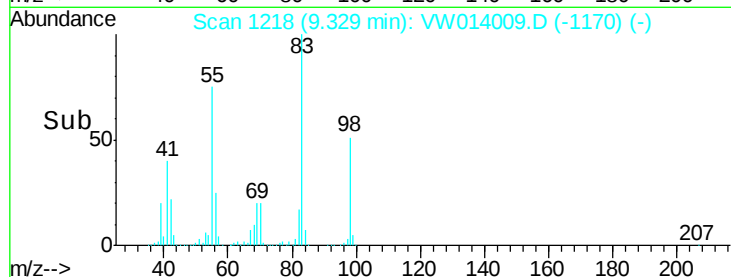
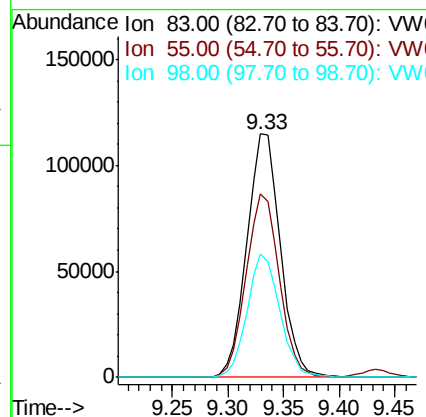
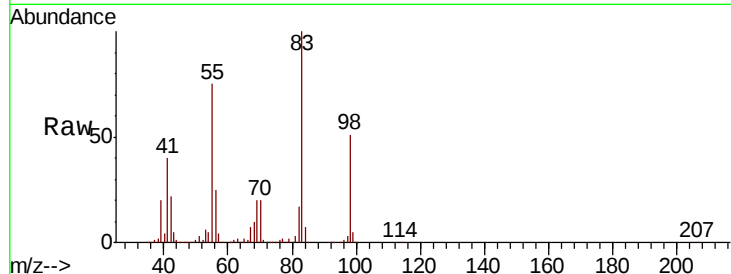
#39
Methvlcvclohexane
Concen: 51.586 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	59.9	89.9
98	50.7	39.4	59.2

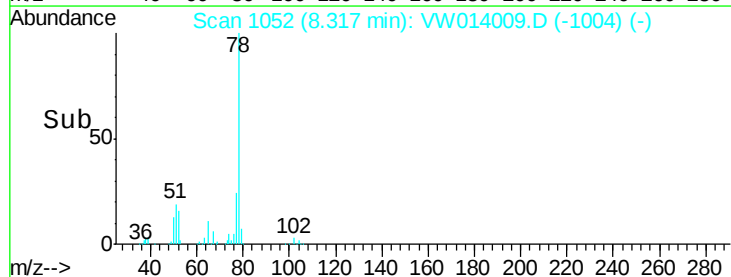
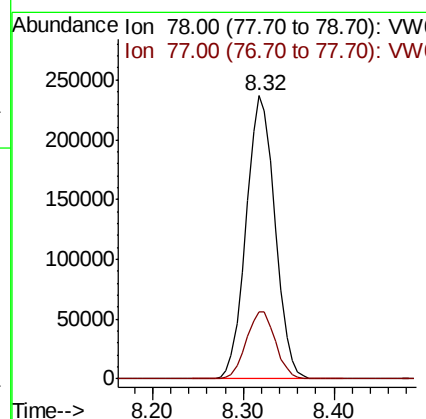
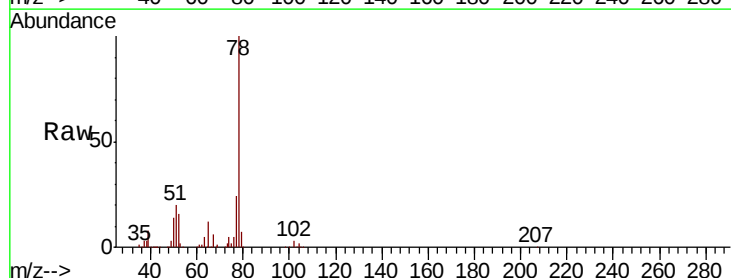
Manual Integrations
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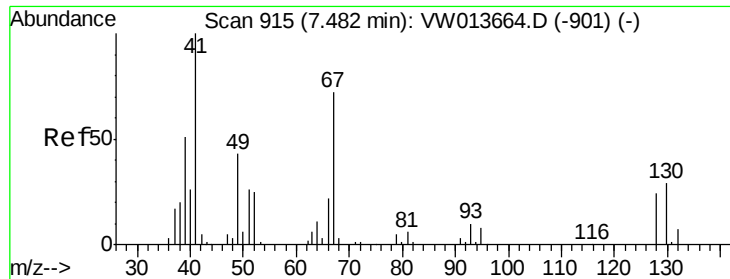
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#40
Benzene
Concen: 50.748 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.6	29.4





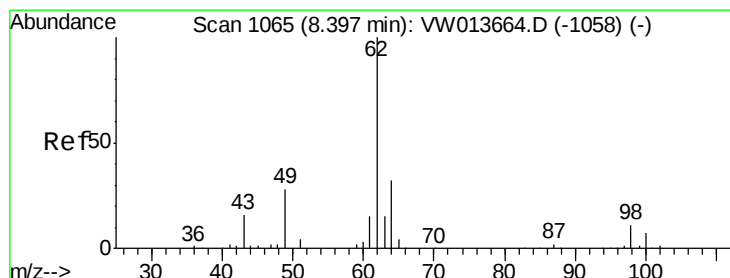
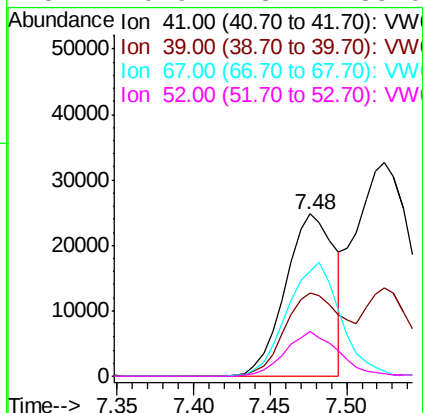
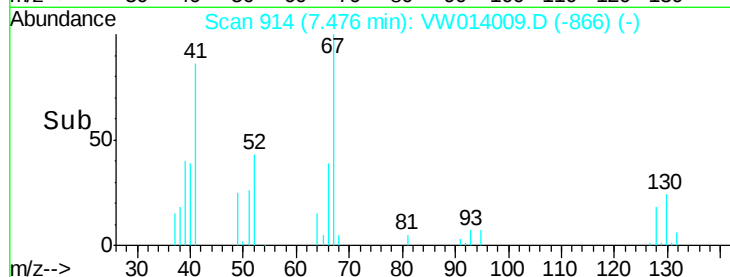
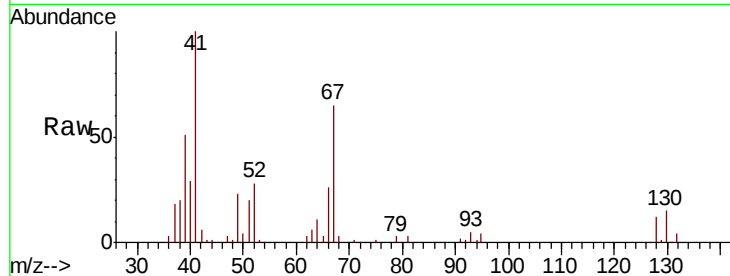
#41
Methacrylonitrile
Concen: 64.446 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	55767
Ion	Ratio	Lower	Upper
41	100		
39	62.8	44.8	67.2
67	75.8	59.3	88.9
52	29.9	23.4	35.0

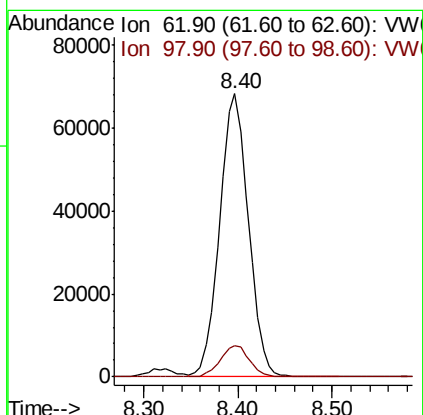
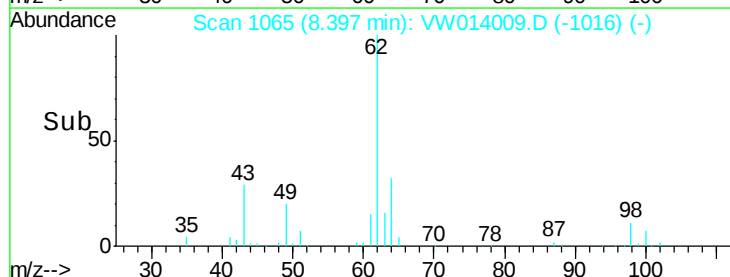
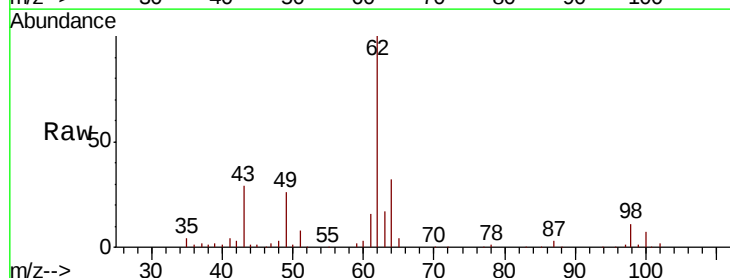
Manual Integrations
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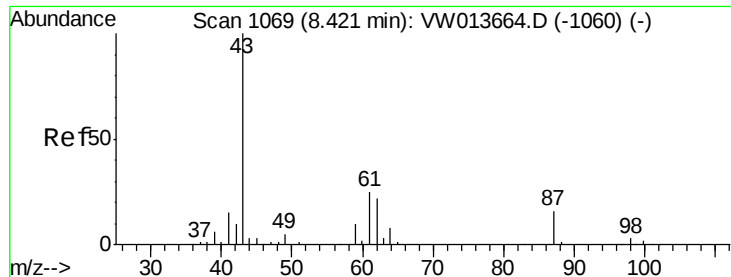
MMDadoda
11/15/2019 10:50:16 AM



#42
1,2-Dichloroethane
Concen: 55.947 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	62	Resp	144633
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.4





#43

Isopropyl Acetate

Concen: 70.568 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

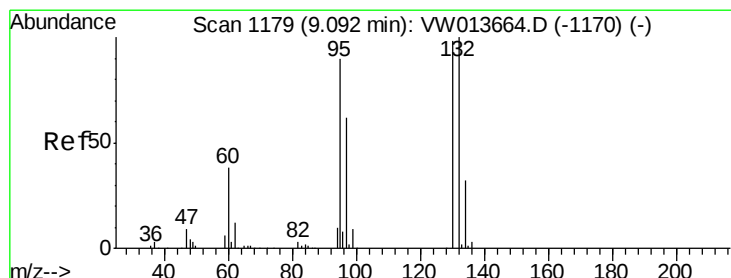
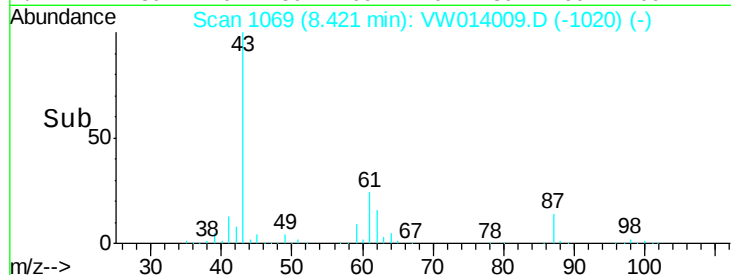
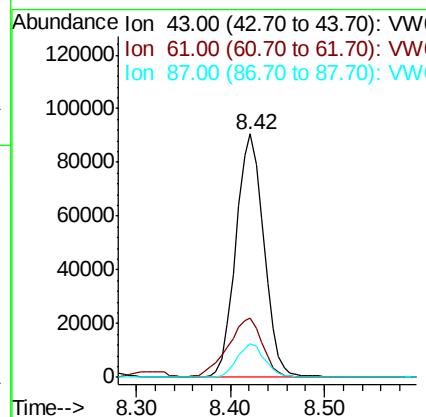
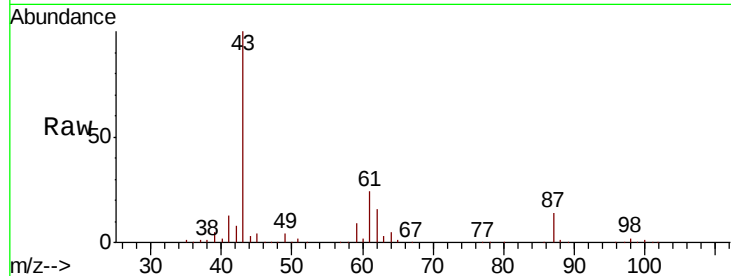
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	187442
Ion	Ratio	Lower	Upper
43	100		
61	29.9	26.1	39.1
87	13.8	11.4	17.0

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#44

Trichloroethene

Concen: 50.706 ug/l

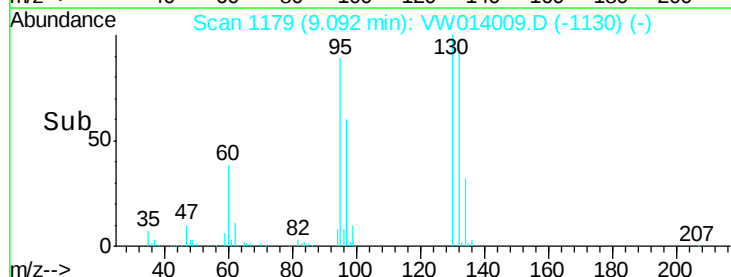
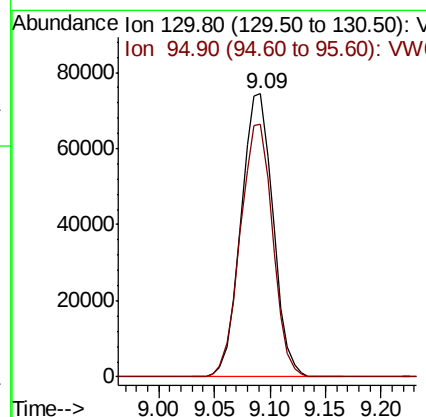
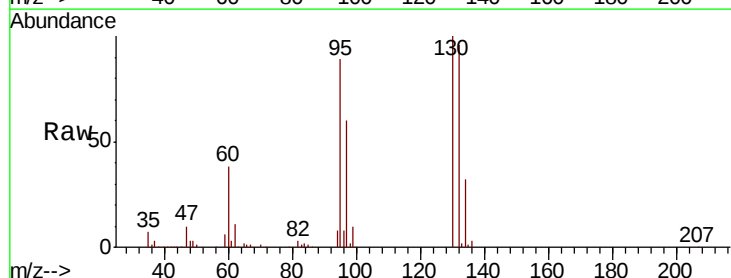
RT: 9.09 min Scan# 1179

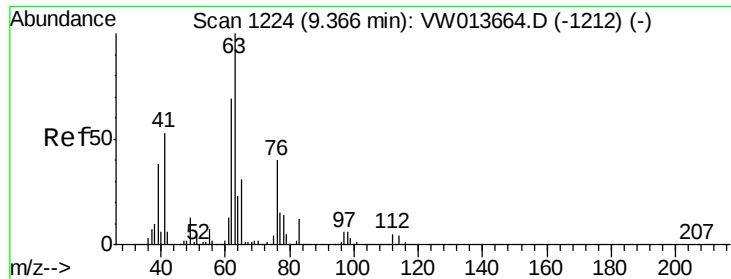
Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Tgt Ion:	130	Resp:	149006
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	184.6





#45

1,2-Dichloropropane

Concen: 52.818 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 129426

Ion Ratio Lower Upper

63 100

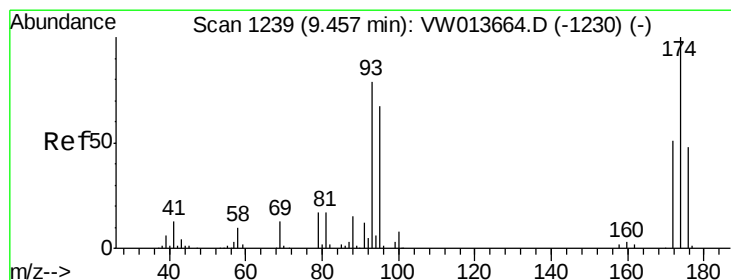
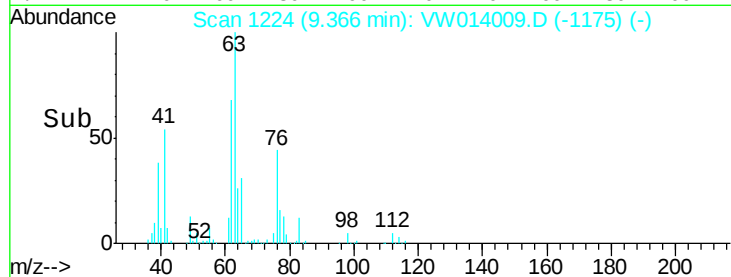
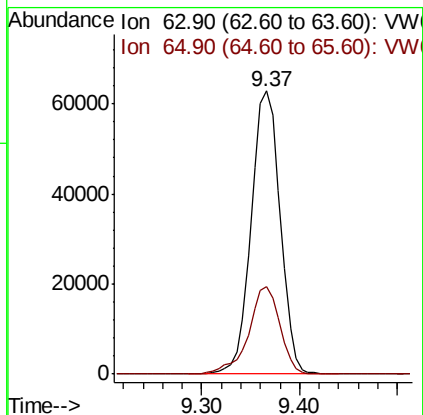
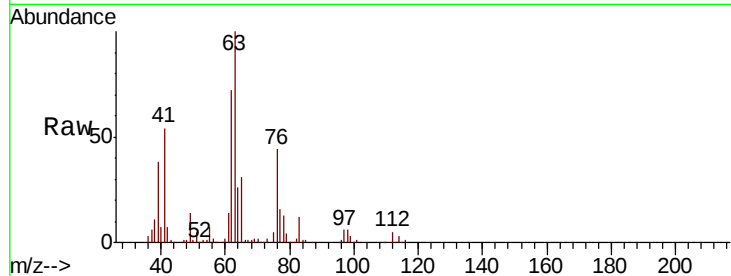
65 31.1 25.2 37.8

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#46

Dibromomethane

Concen: 57.565 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

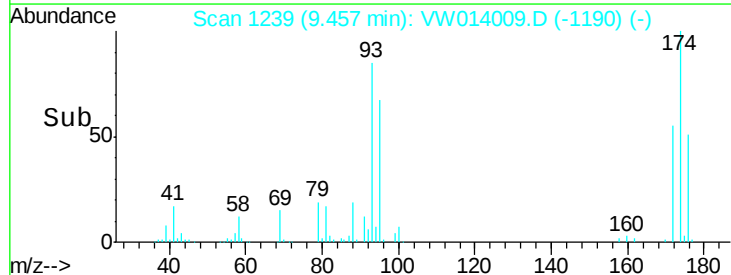
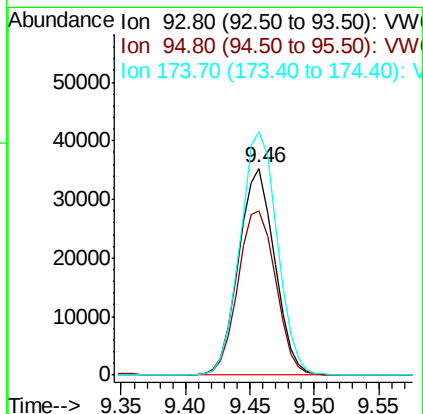
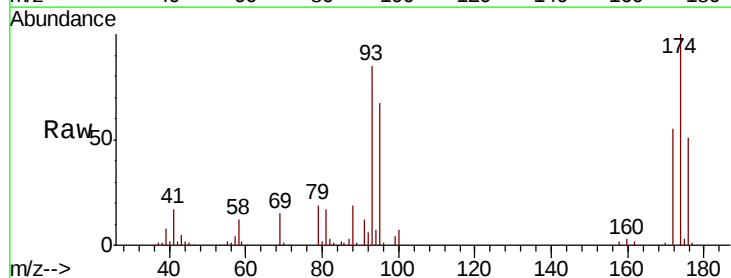
Tgt Ion: 93 Resp: 68464

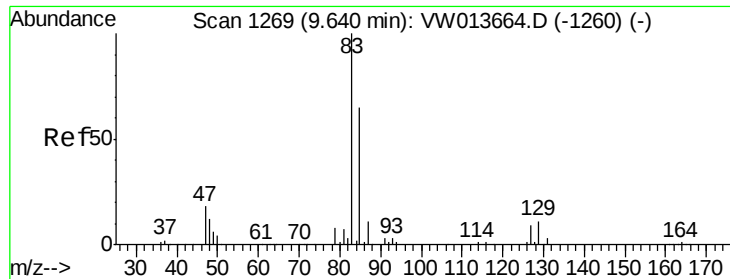
Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

174 121.1 99.6 149.4





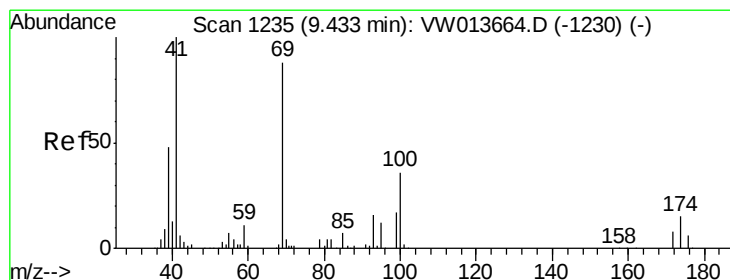
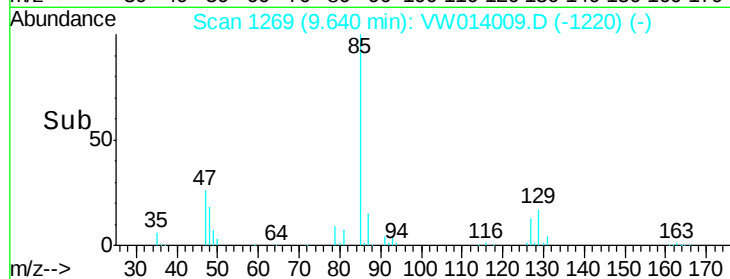
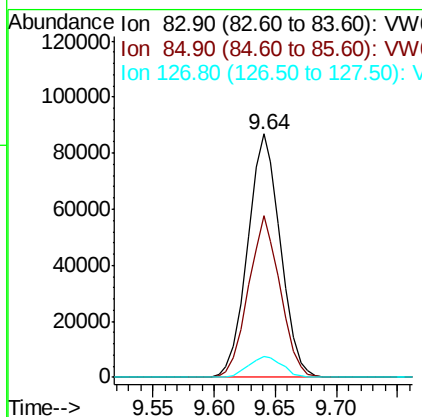
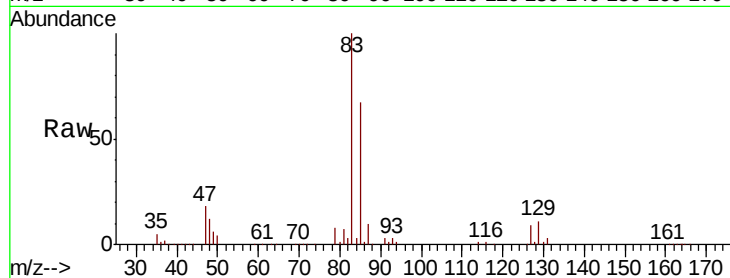
#47
Bromodichloromethane
Concen: 52.387 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	161212		
85	66.5	51.8	77.6	
127	8.8	7.3	10.9	

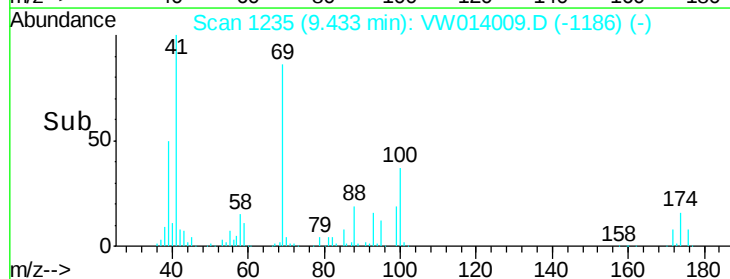
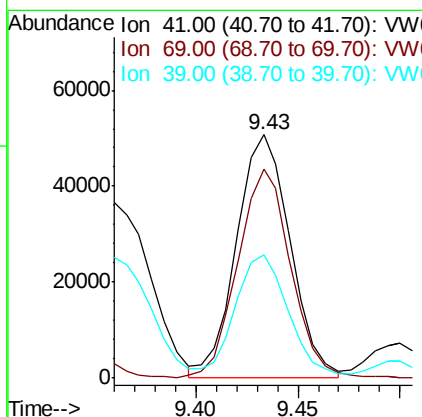
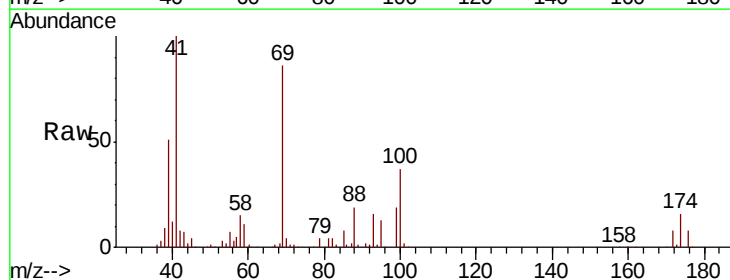
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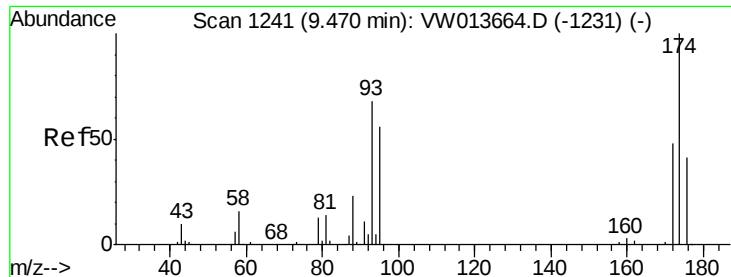
MMDadoda
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#48
Methyl methacrylate
Concen: 70.391 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	92719		
69	85.4	67.6	101.4	
39	47.0	38.6	58.0	





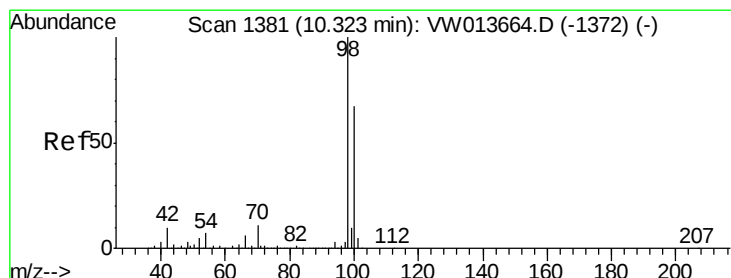
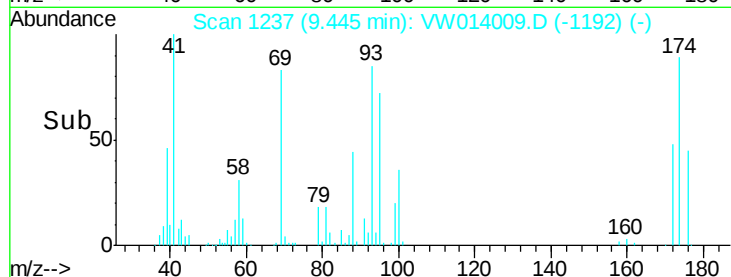
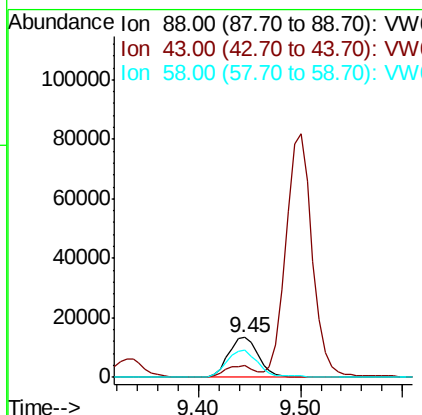
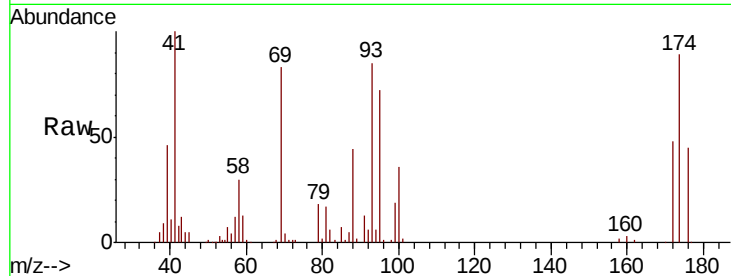
#49
 1,4-Dioxane
 Concen: 1572.490 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.02 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	27636
Ion	Ratio	Lower	Upper
88	100		
43	29.0	0.0	0.0#
58	69.4	58.9	88.3

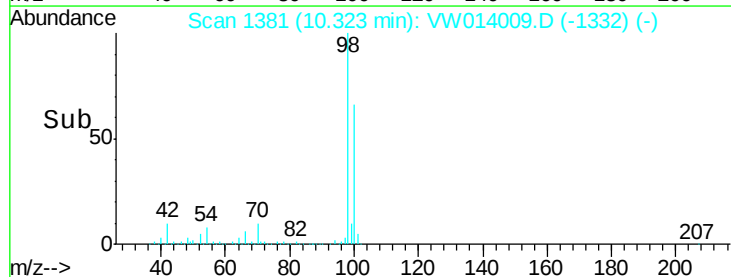
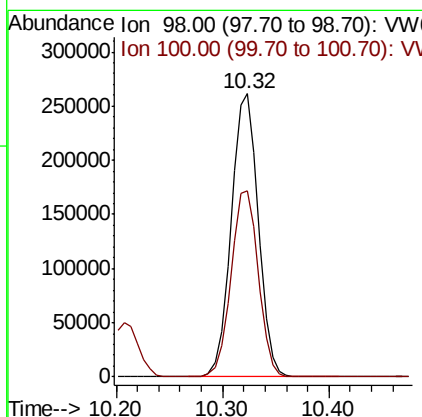
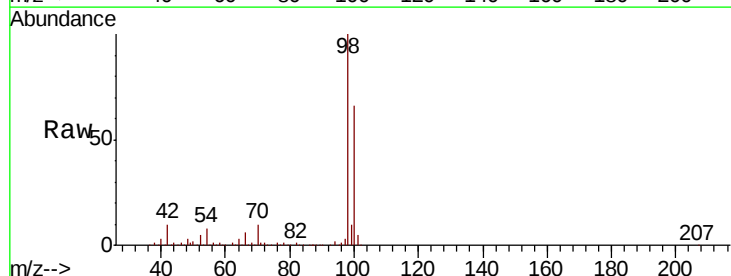
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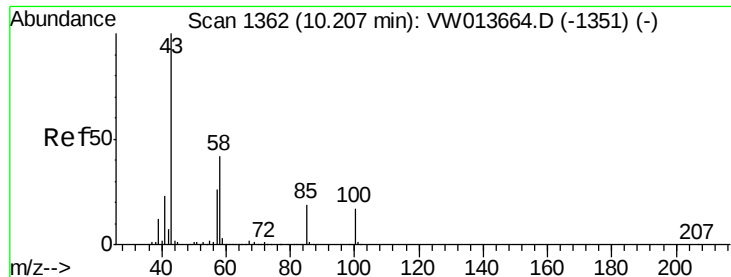
MMDadoda
 11/15/2019 10:50:16 AM



#50
 Toluene-d8
 Concen: 52.799 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Tgt Ion	98	Resp	465317
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 379.466 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 500859

Ion Ratio Lower Upper

43 100

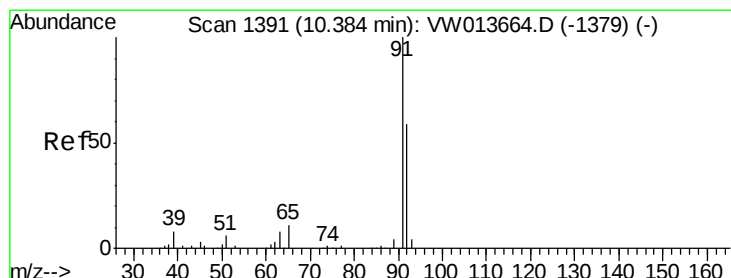
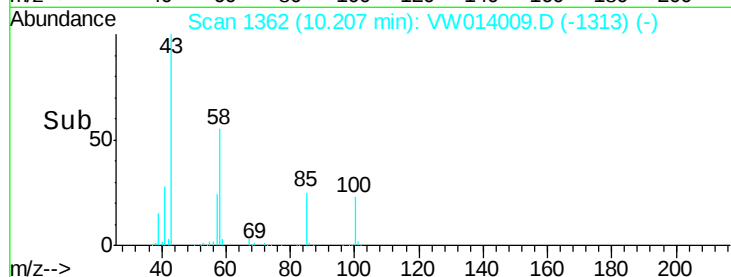
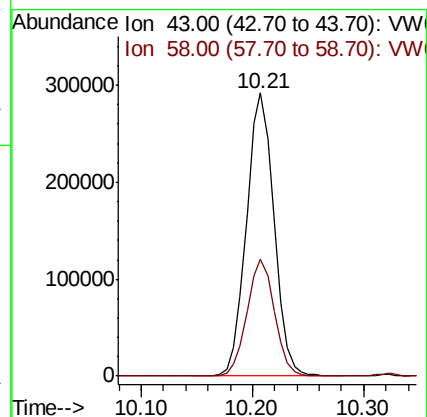
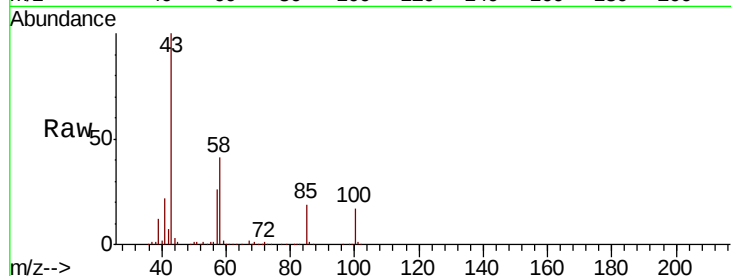
58 41.2 32.6 49.0

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#52

Toluene

Concen: 51.255 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014009.D

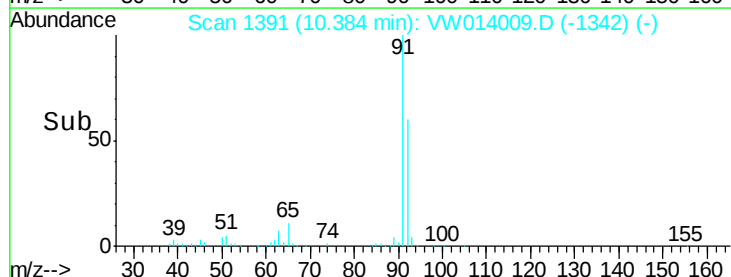
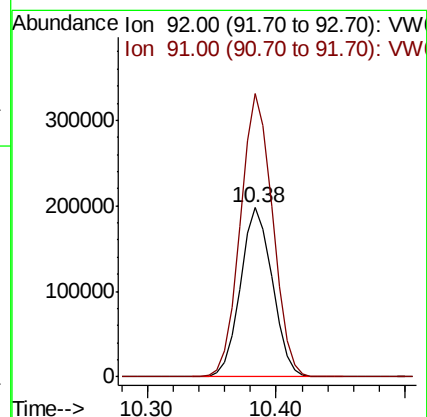
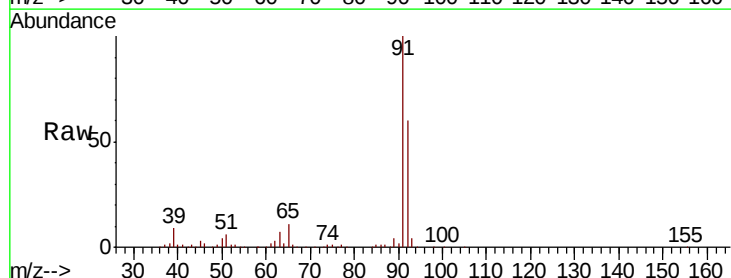
Acq: 13 Nov 2019 16:16

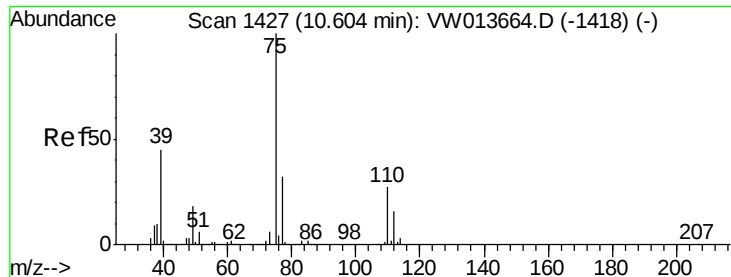
Tgt Ion: 92 Resp: 339175

Ion Ratio Lower Upper

92 100

91 168.6 134.5 201.7





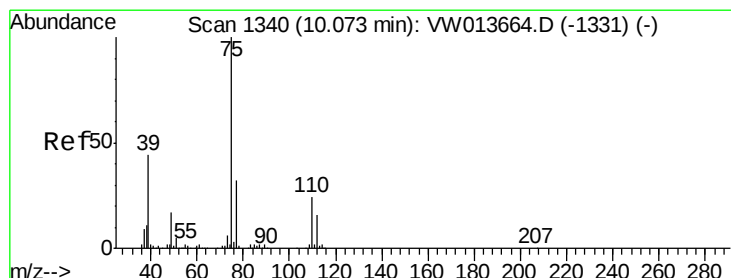
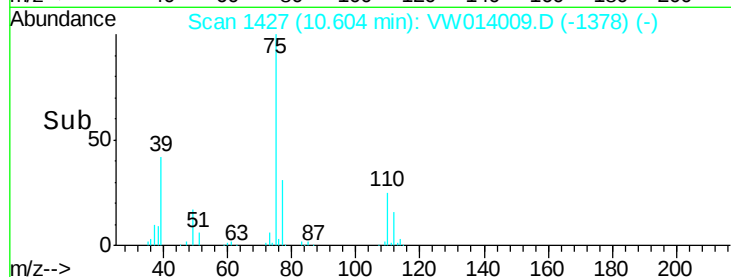
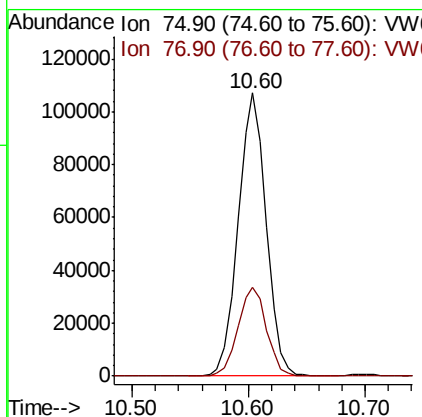
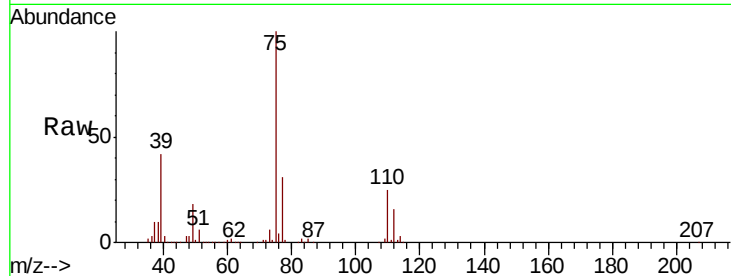
#53
t-1,3-Dichloropropene
Concen: 57.350 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 178659
Ion Ratio Lower Upper
75 100
77 31.3 25.5 38.3

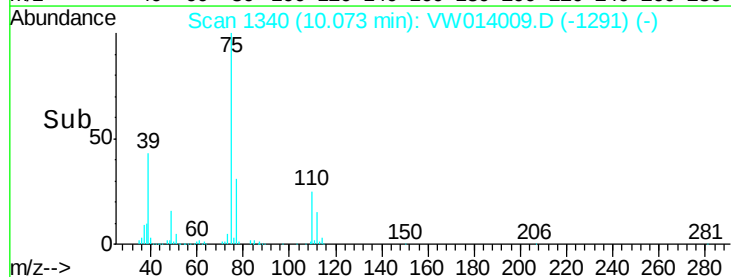
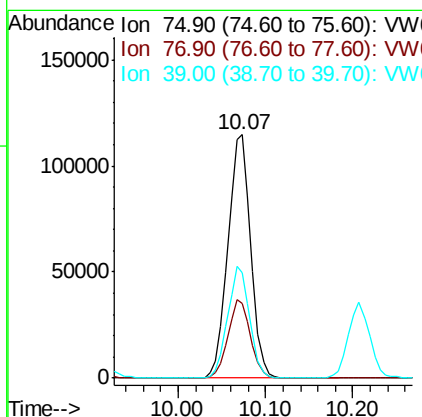
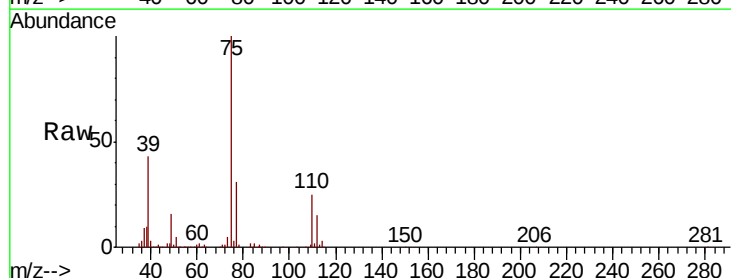
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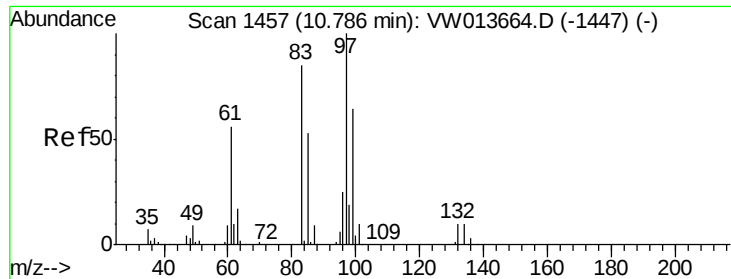
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#54
cis-1,3-Dichloropropene
Concen: 53.892 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion: 75 Resp: 207133
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.6
39 43.4 35.3 52.9





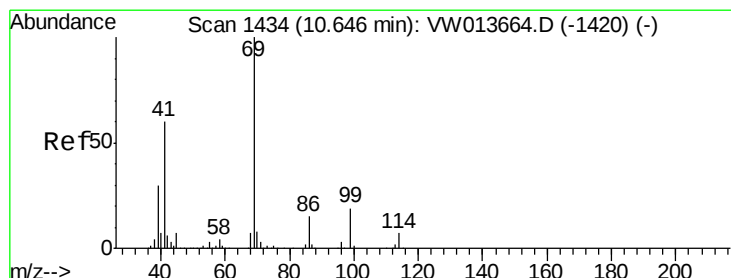
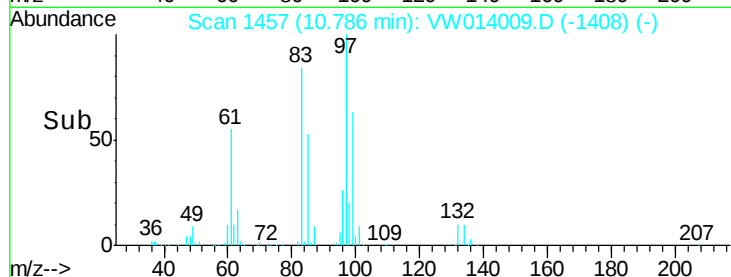
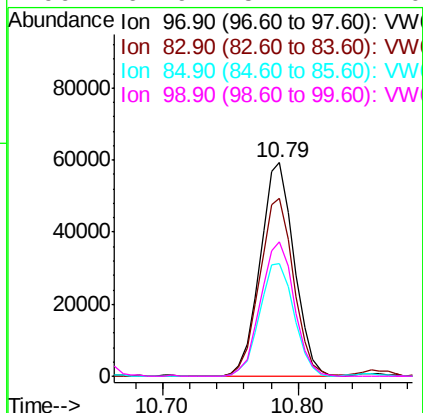
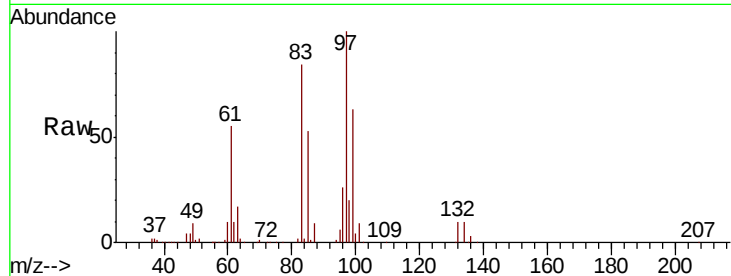
#55
 1,1,2-Trichloroethane
 Concen: 58.647 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	103951
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.8	101.8
85	52.6	42.1	63.1
99	62.9	51.4	77.0

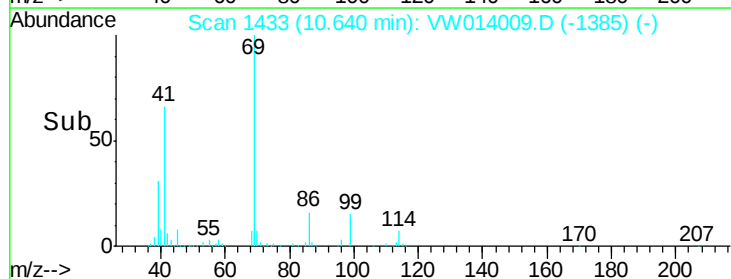
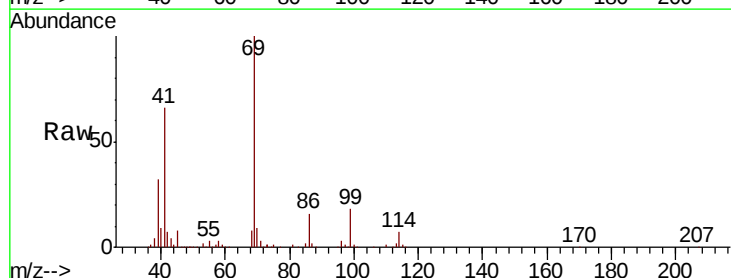
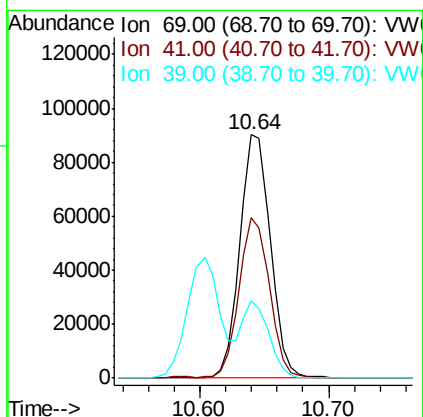
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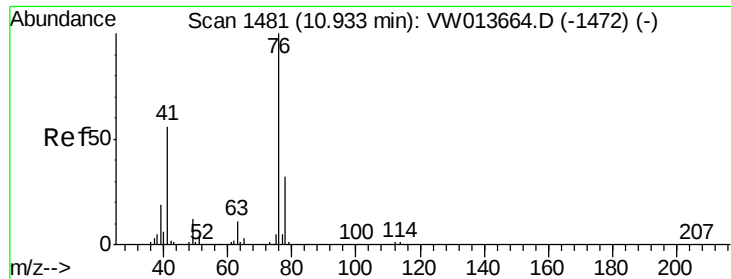
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 11/15/2019 10:50:16 AM



#56
 Ethyl methacrylate
 Concen: 66.938 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Tgt Ion:	69	Resp:	148444
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.6	77.4
39	30.0	22.4	33.6





#57

1,3-Dichloropropane

Concen: 57.667 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 175405

Ion Ratio Lower Upper

76 100

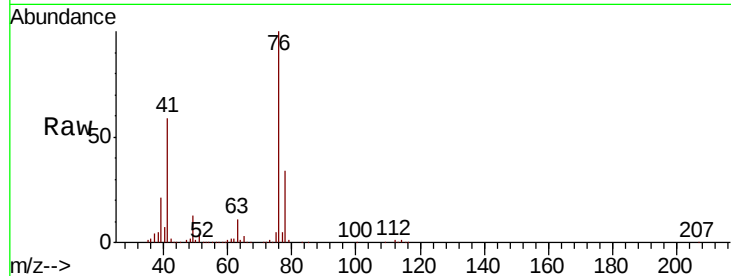
78 33.4 26.0 39.0

Manual Integrations

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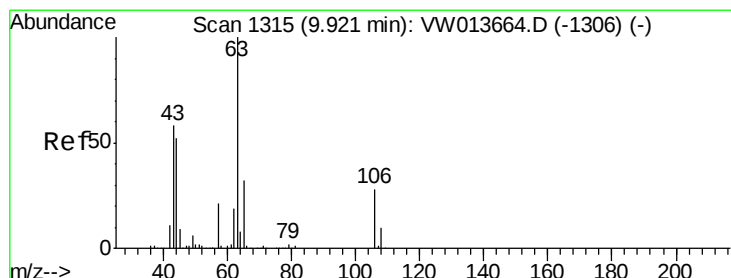
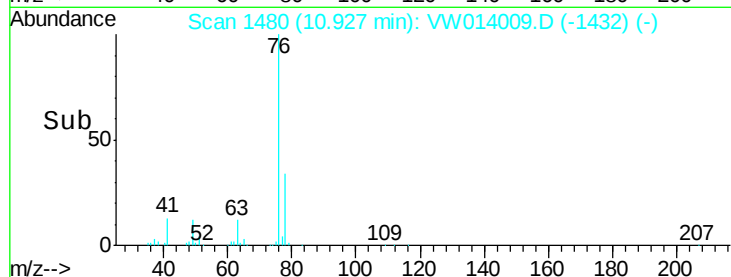
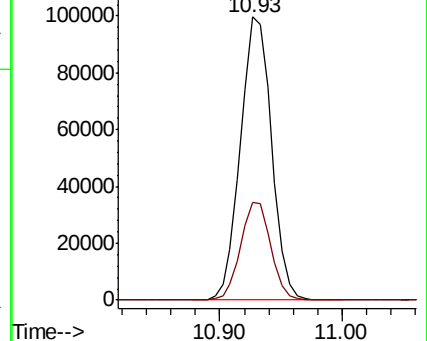
MMDadoda

11/15/2019 10:50:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 343.001 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014009.D

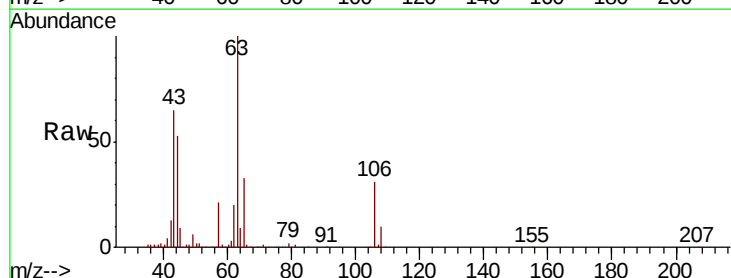
Acq: 13 Nov 2019 16:16

Tgt Ion: 63 Resp: 350076

Ion Ratio Lower Upper

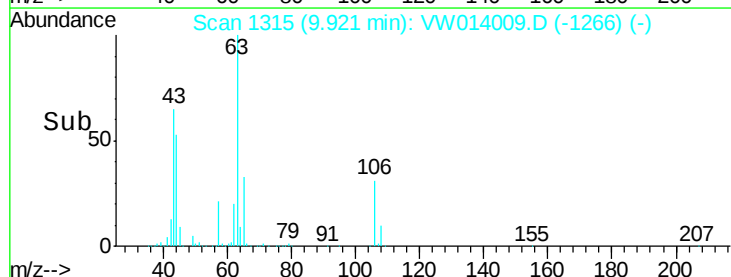
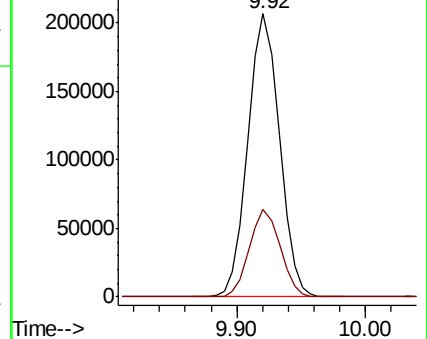
63 100

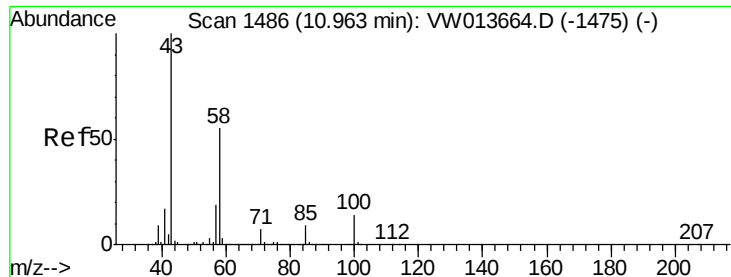
106 30.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





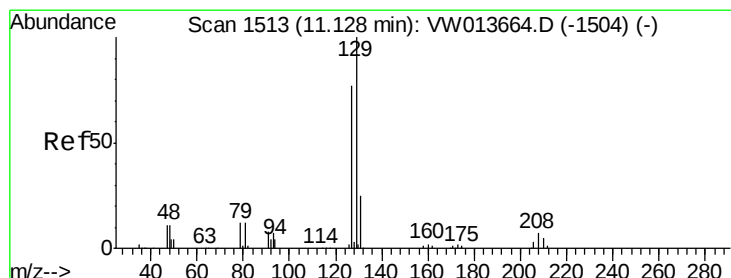
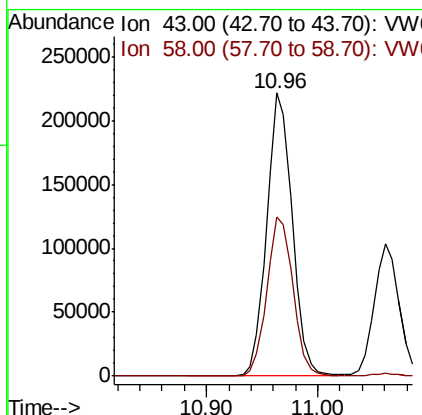
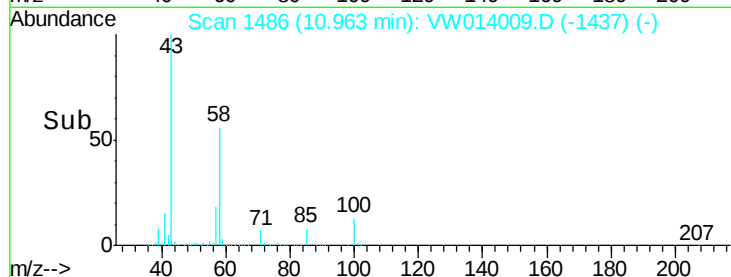
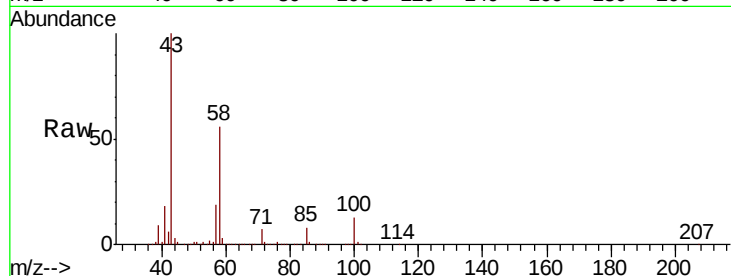
#59
2-Hexanone
Concen: 390.224 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 355079
Ion Ratio Lower Upper
43 100
58 57.4 27.9 83.7

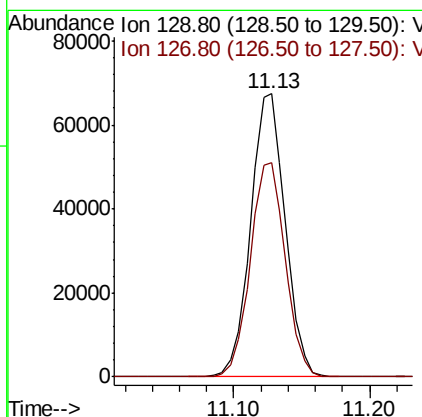
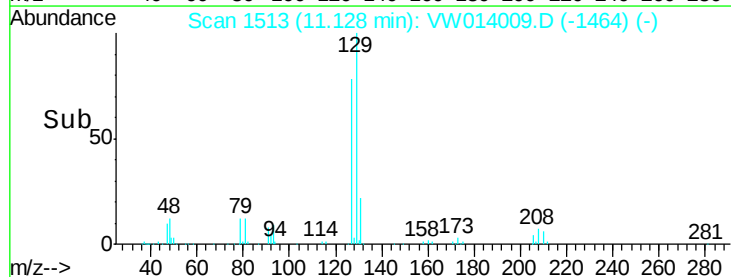
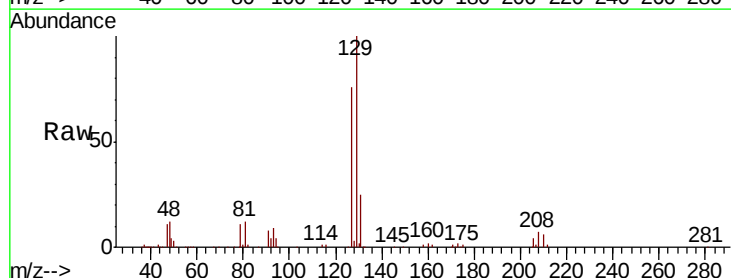
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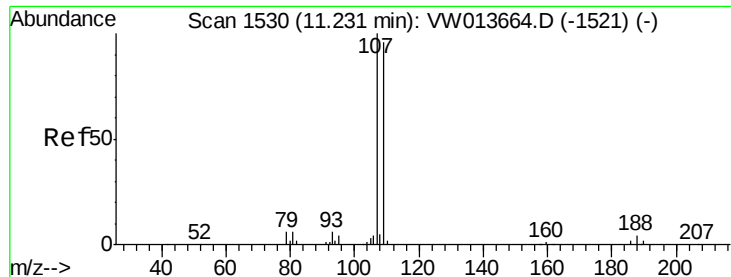
MMDadoda
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#60
Dibromochloromethane
Concen: 56.996 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion: 129 Resp: 119948
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





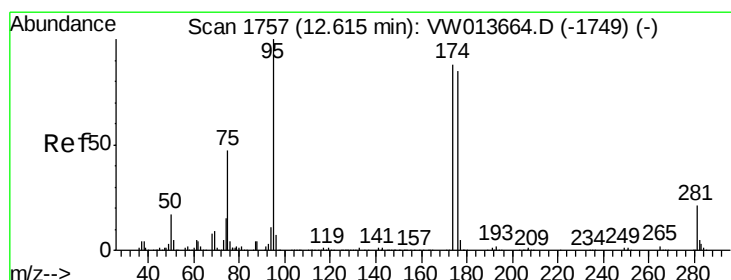
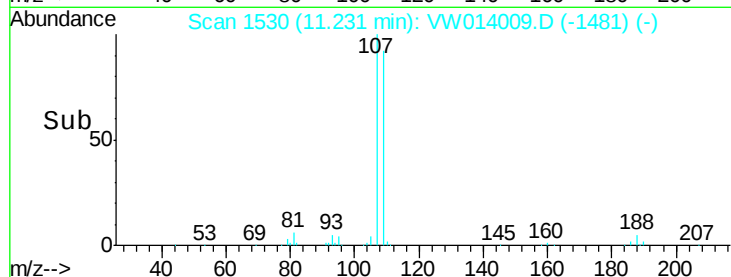
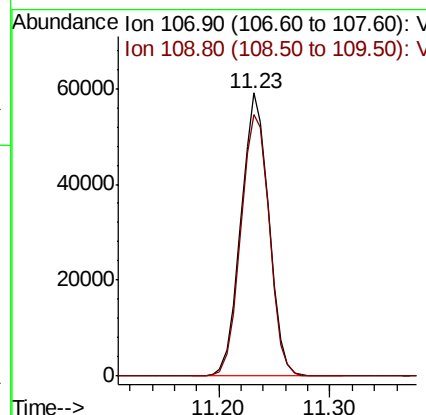
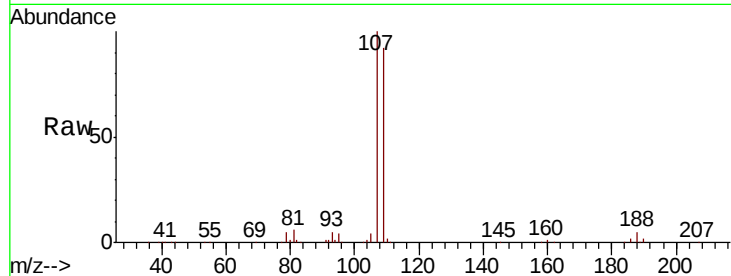
#61
1,2-Dibromoethane
Concen: 60.929 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.7	113.5

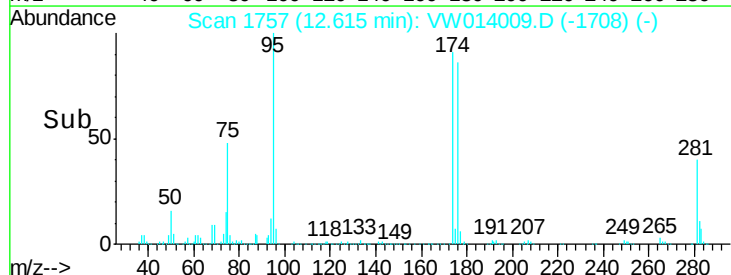
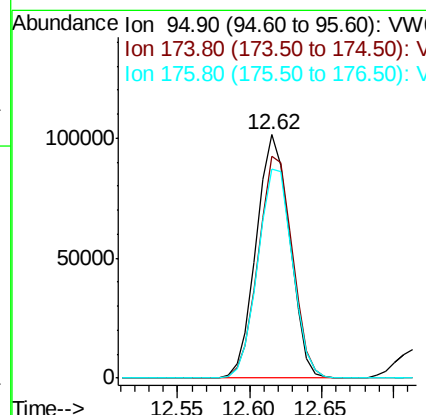
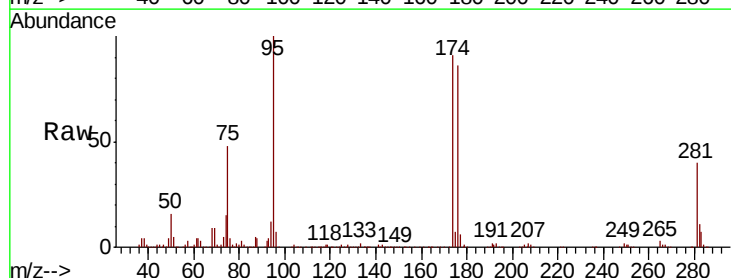
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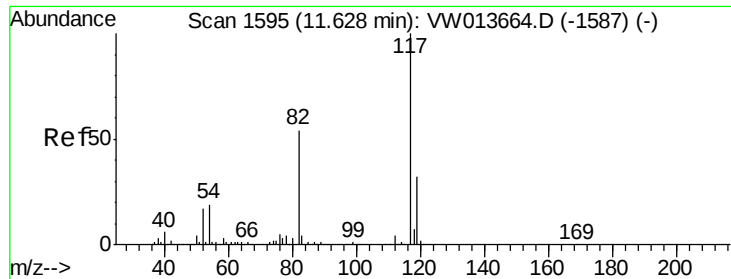
MMDadoda
11/15/2019 10:50:16 AM



#62
4-Bromofluorobenzene
Concen: 54.401 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	183.6
176	88.8	0.0	178.0





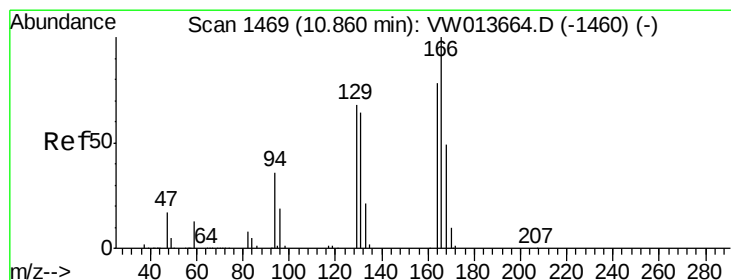
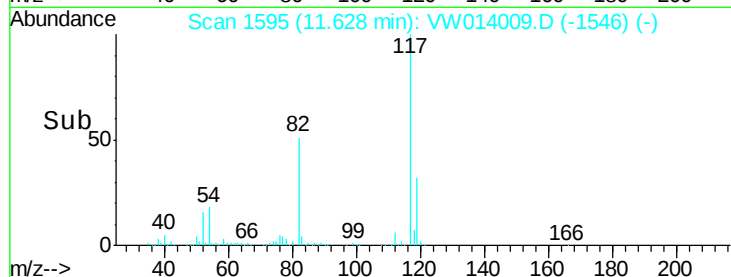
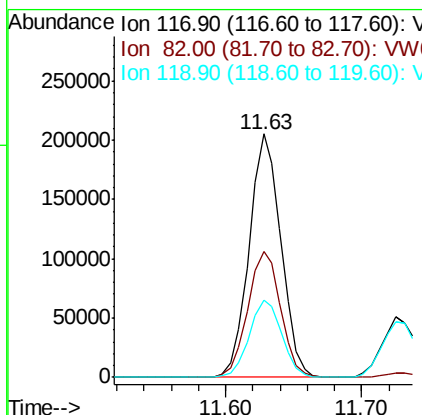
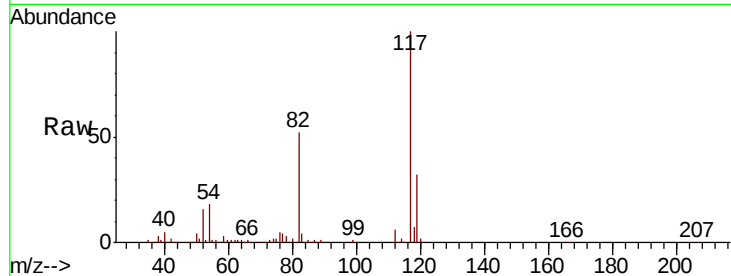
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	336170		
82	51.5		43.6	65.4
119	31.7		25.4	38.2

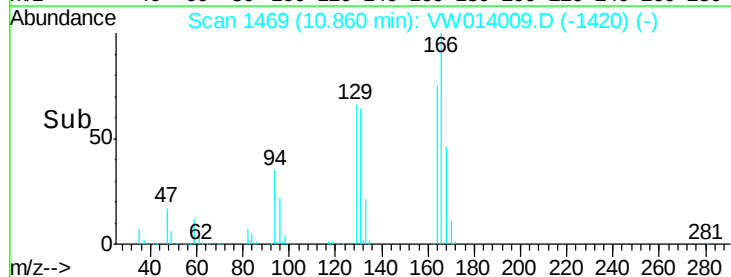
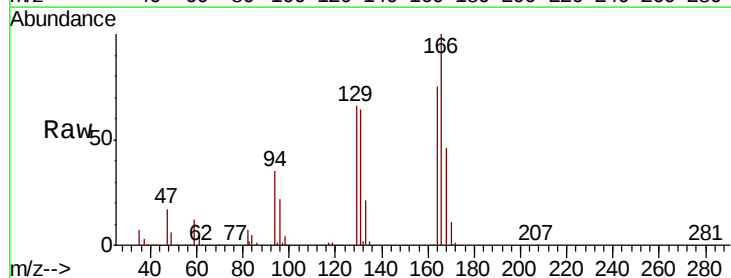
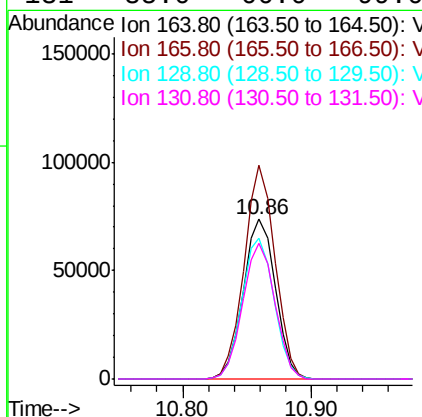
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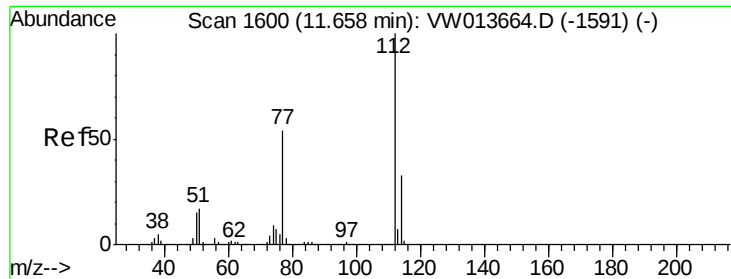
MMDadoda
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#64
Tetrachloroethene
Concen: 49.531 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	127220		
166	133.6		103.2	154.8
129	88.1		70.6	105.8
131	85.0		66.0	99.0





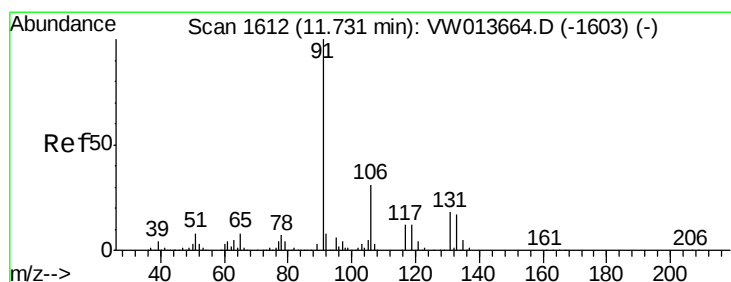
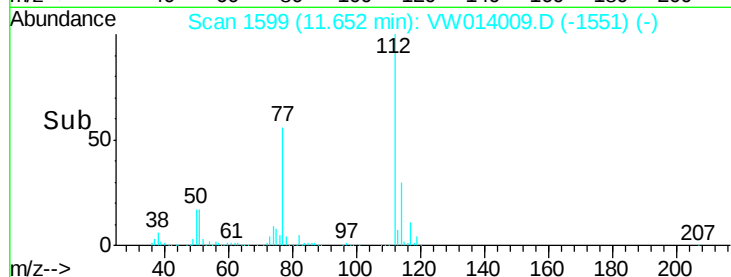
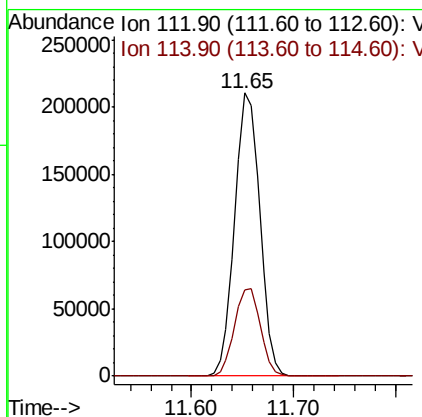
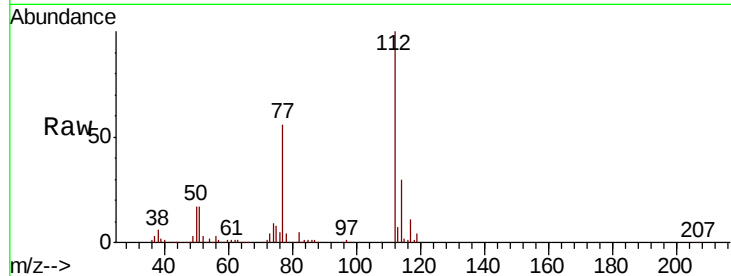
#65
Chlorobenzene
Concen: 51.852 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	26.2	39.4

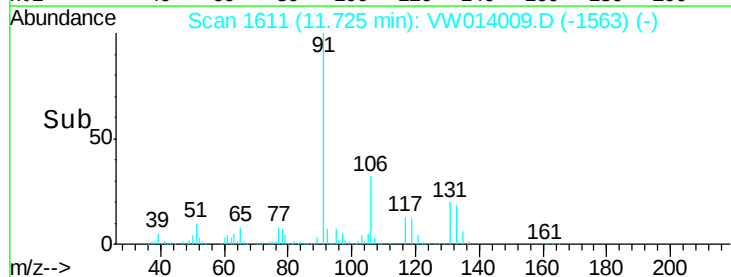
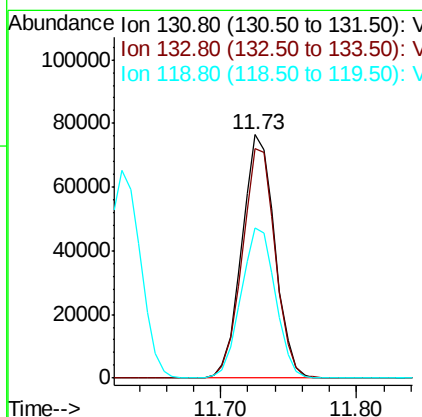
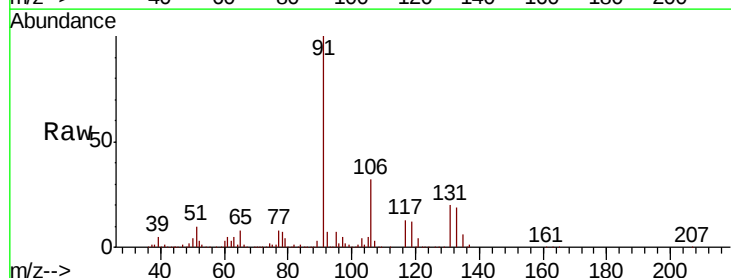
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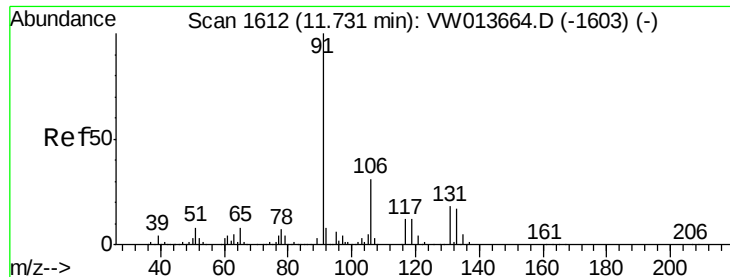
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.613 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.4	142.3
119	64.4	33.1	99.2





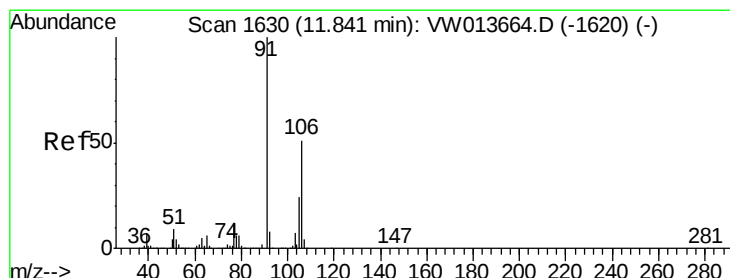
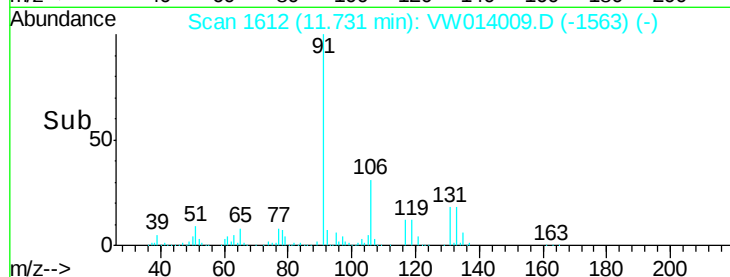
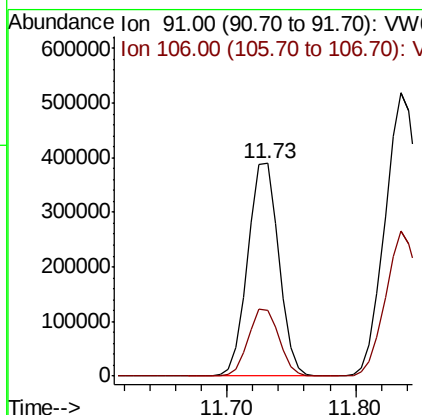
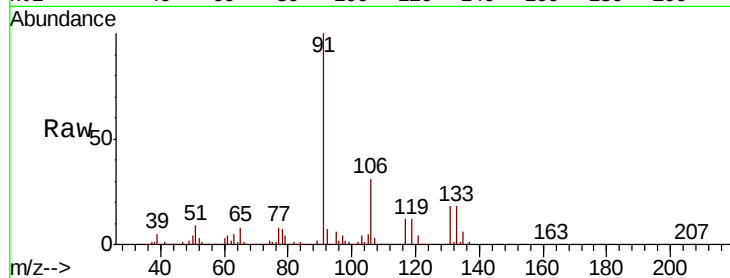
#67
Ethyl Benzene
Concen: 51.834 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 645659
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

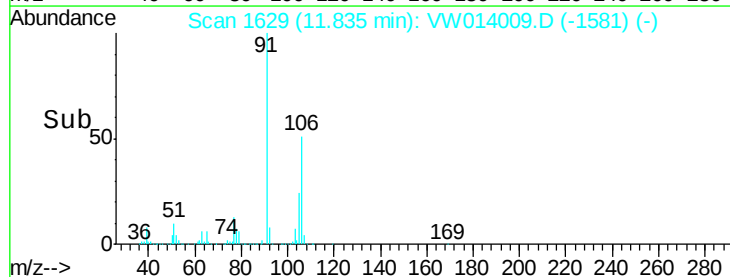
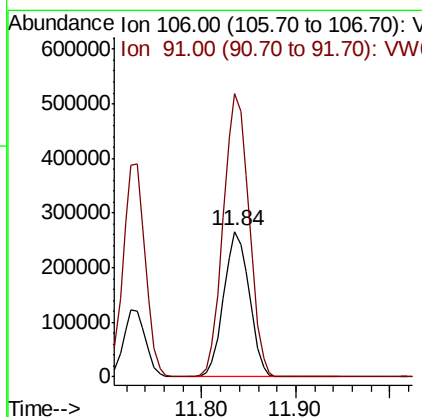
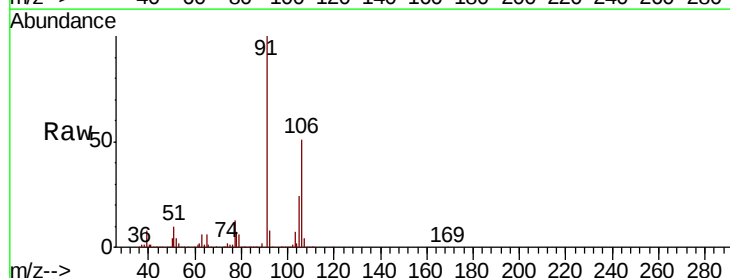
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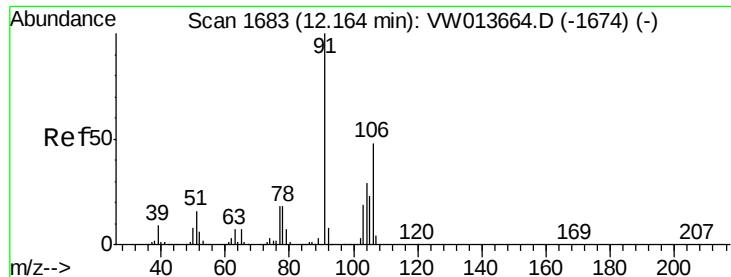
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#68
m/p-Xylenes
Concen: 103.432 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion: 106 Resp: 497774
Ion Ratio Lower Upper
106 100
91 197.3 159.2 238.8





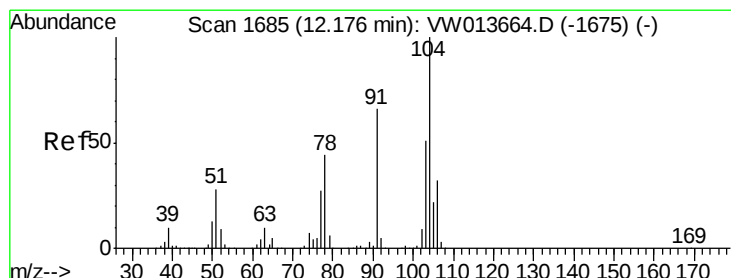
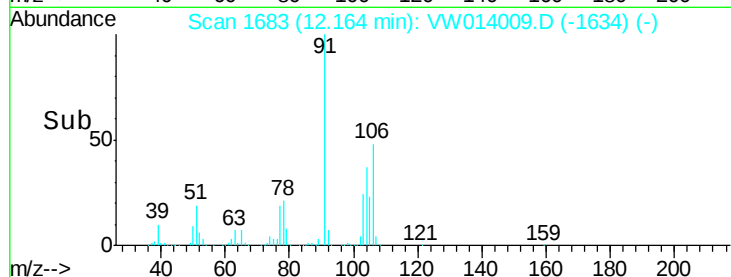
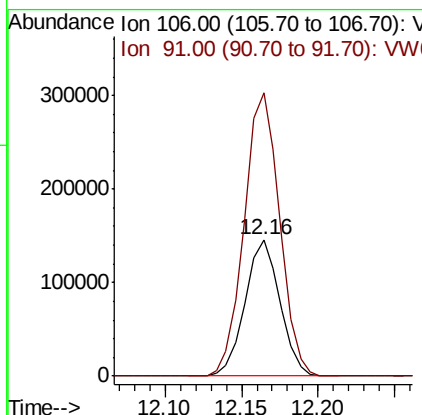
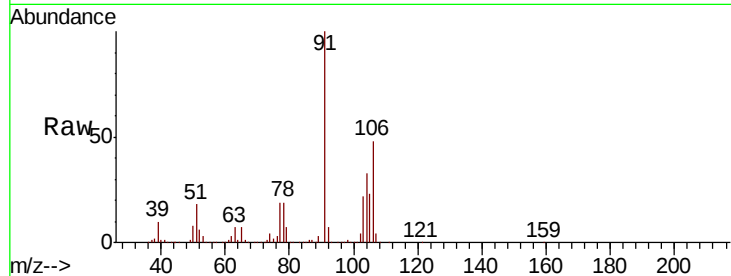
#69
o-Xylene
Concen: 52.249 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
231126	106	100		
	91	211.8	104.9	314.7

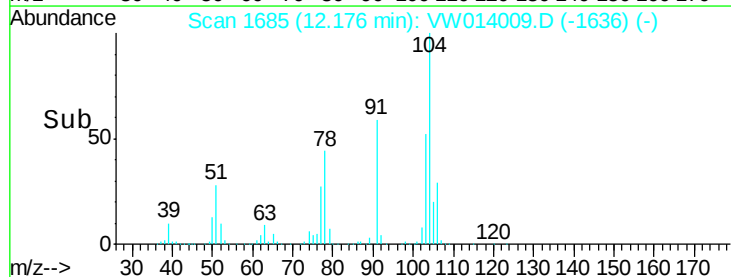
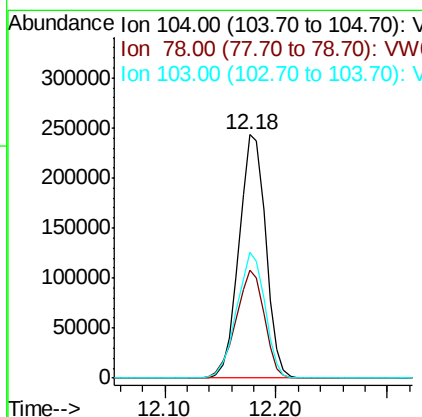
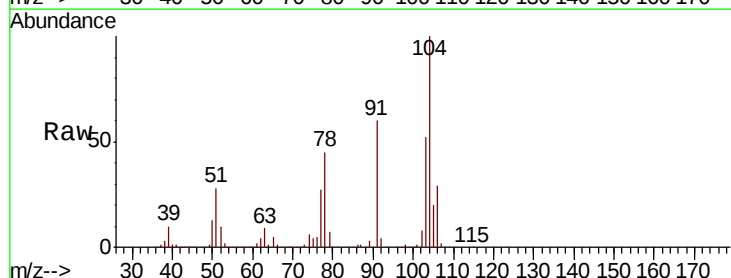
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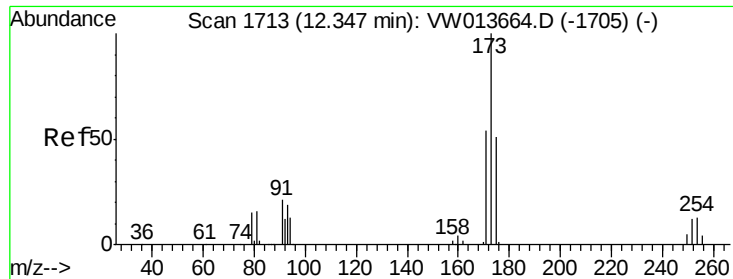
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#70
Styrene
Concen: 53.337 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ion	Ratio	Lower	Upper
405375	104	100		
	78	47.2	37.1	55.7
	103	54.4	43.6	65.4





#71

Bromoform

Concen: 62.831 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 79494

Ion Ratio Lower Upper

173 100

175 48.1 25.2 75.6

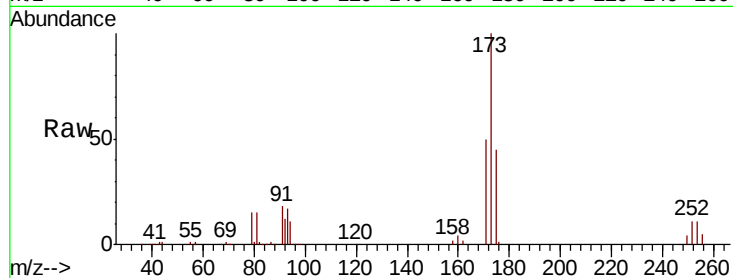
254 0.1 0.1 0.1

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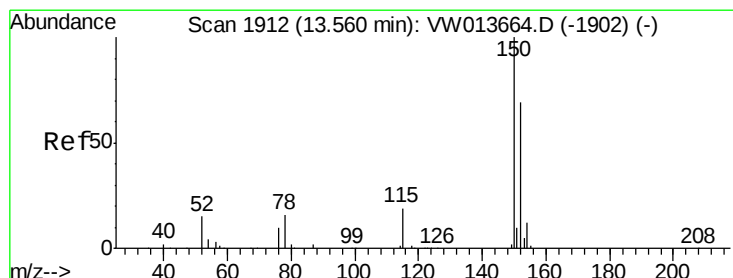
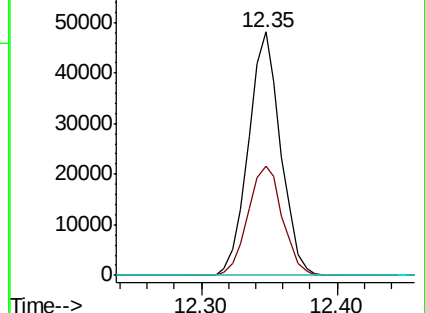
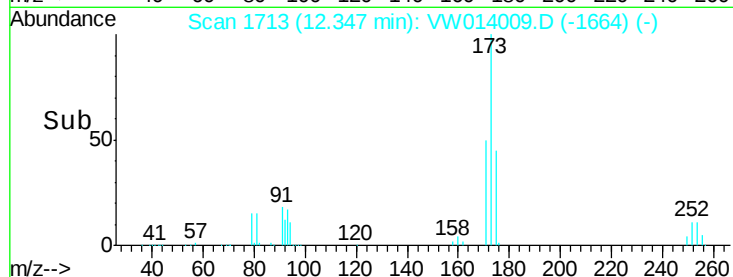
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

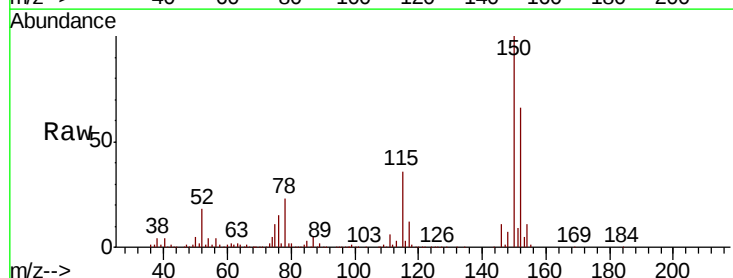
Tgt Ion:152 Resp: 177102

Ion Ratio Lower Upper

152 100

115 54.5 27.4 82.2

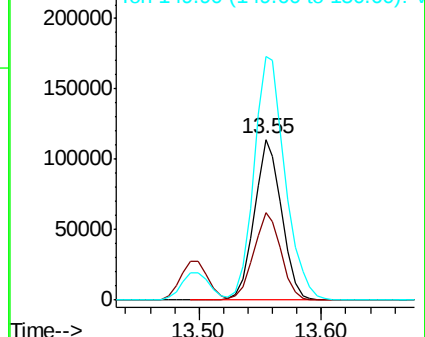
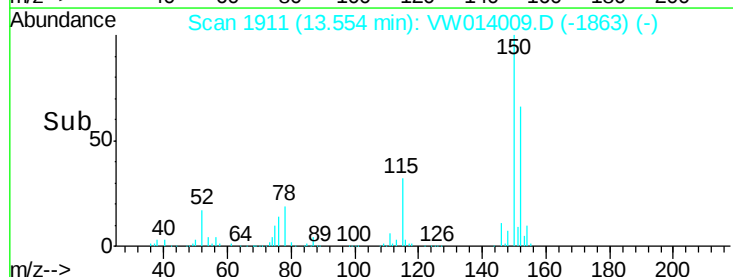
150 172.4 0.0 345.4

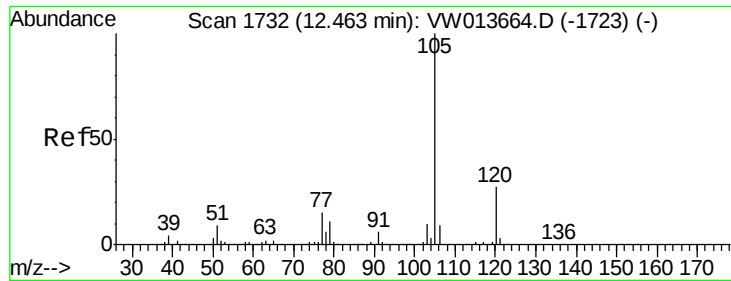


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.965 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 648190

Ion Ratio Lower Upper

105 100

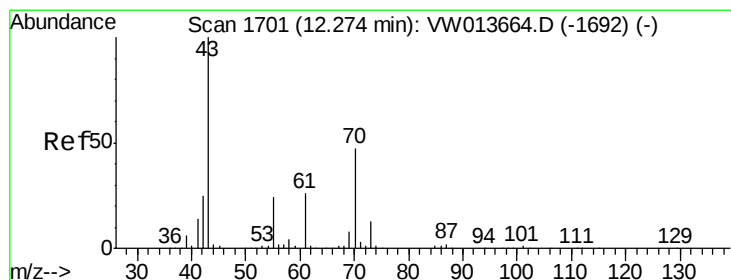
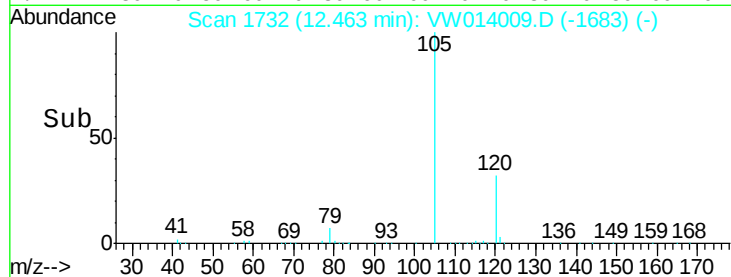
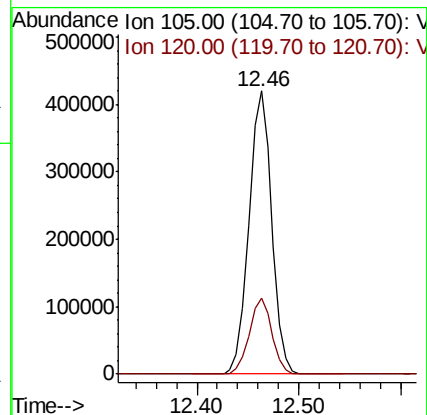
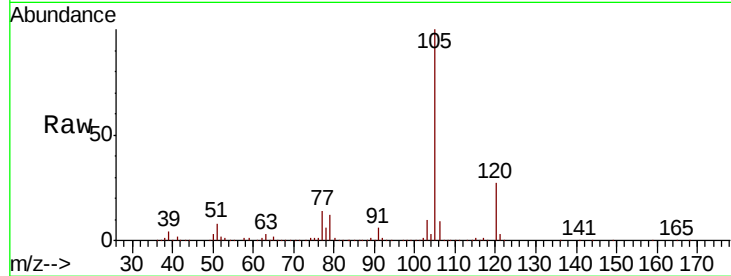
120 26.7 13.5 40.4

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#74

N-ethyl acetate

Concen: 69.962 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Tgt Ion: 43 Resp: 172124

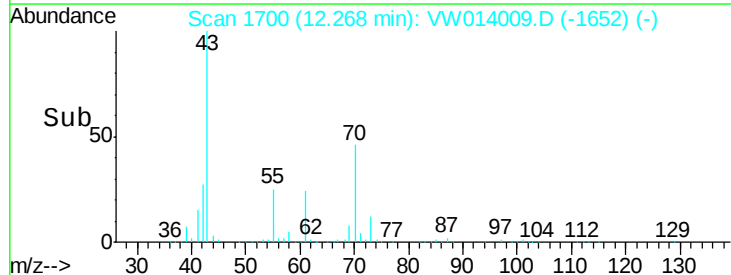
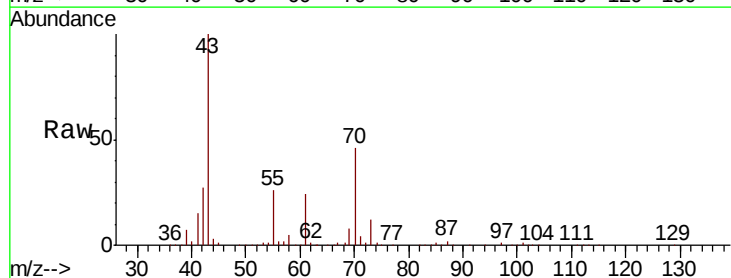
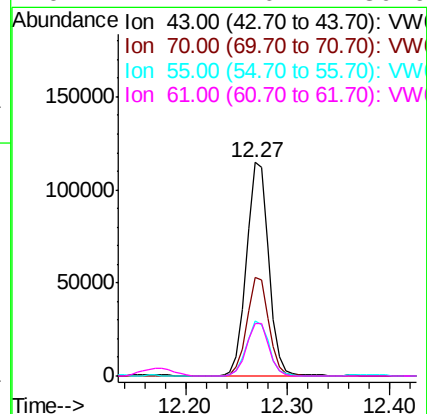
Ion Ratio Lower Upper

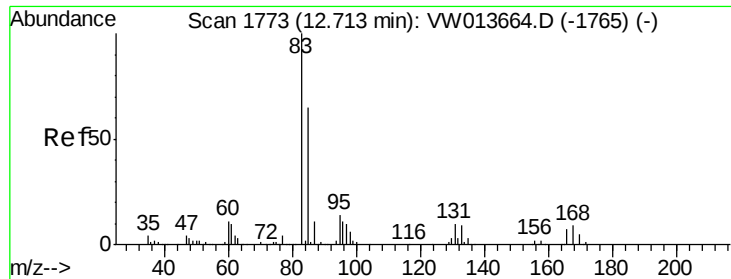
43 100

70 45.6 36.6 55.0

55 26.0 20.3 30.5

61 24.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 64.343 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

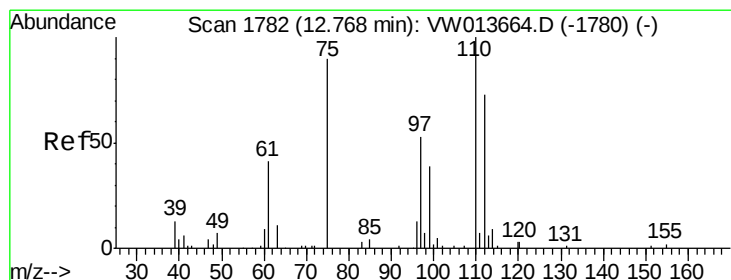
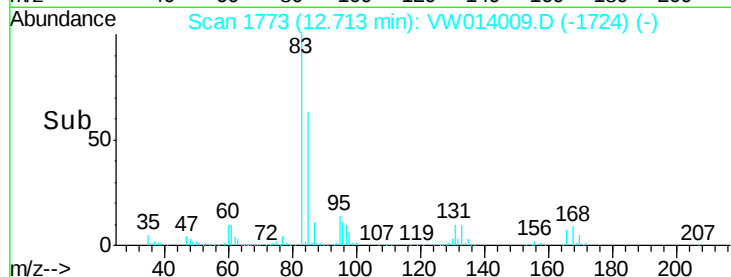
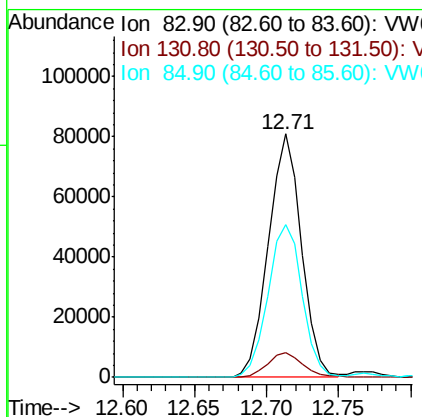
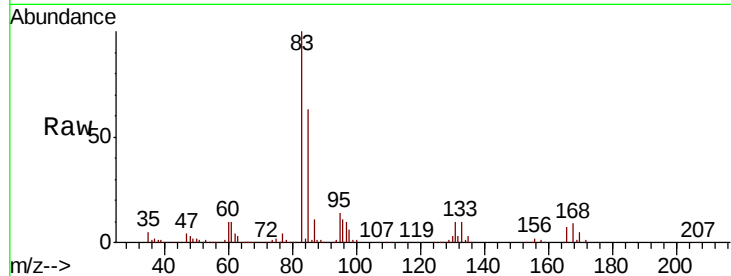
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	129137
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.1
85	65.0	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 77.985 ug/l m

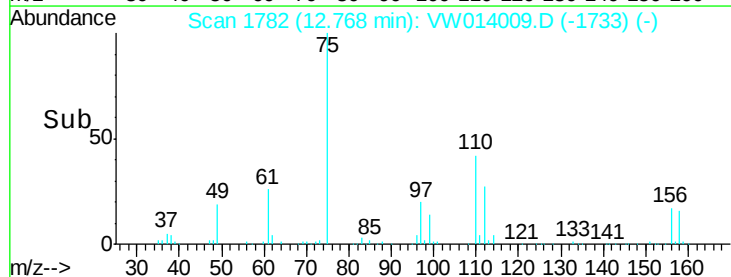
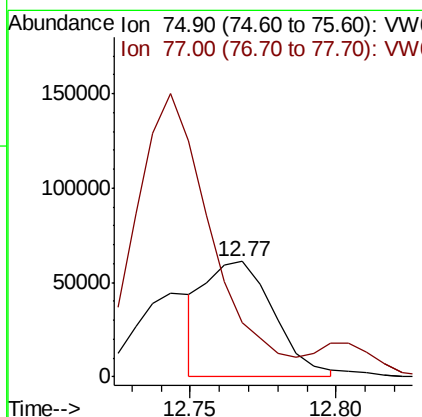
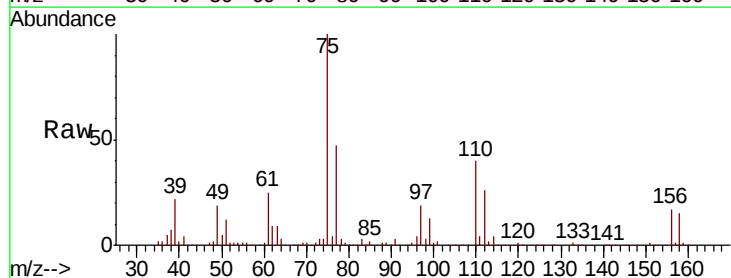
RT: 12.77 min Scan# 1782

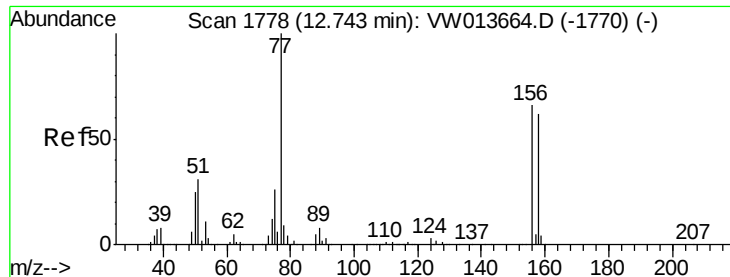
Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Tgt Ion:	75	Resp:	99184
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.118 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Instrument :

MSVOA_W

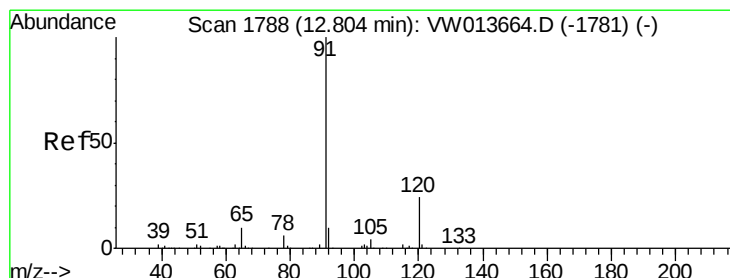
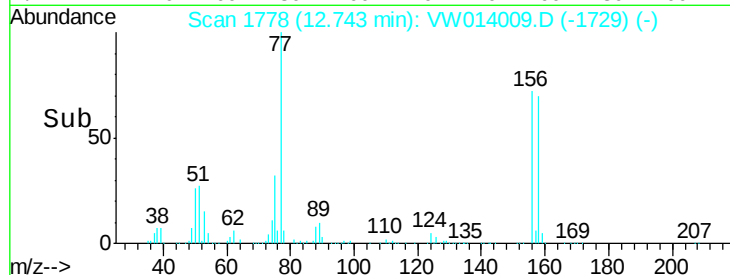
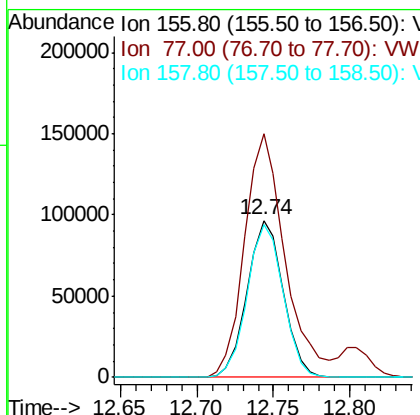
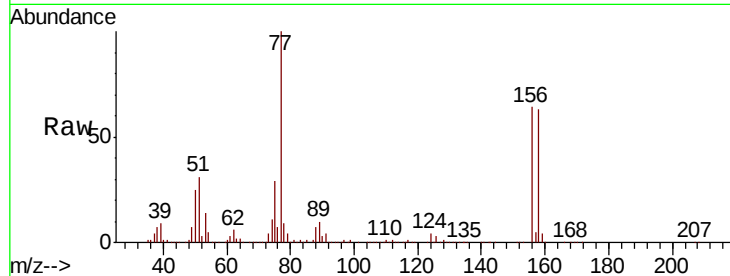
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	158345
Ion Ratio	Lower	Upper	
156	100		
77	173.9	82.9	248.7
158	97.0	48.4	145.2

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#78

n-propylbenzene

Concen: 51.257 ug/l

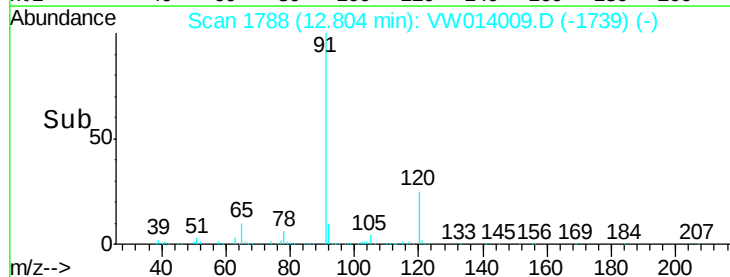
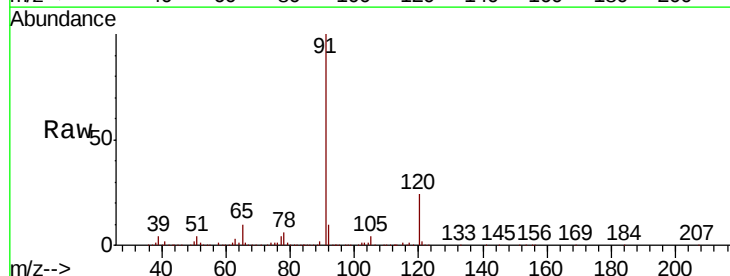
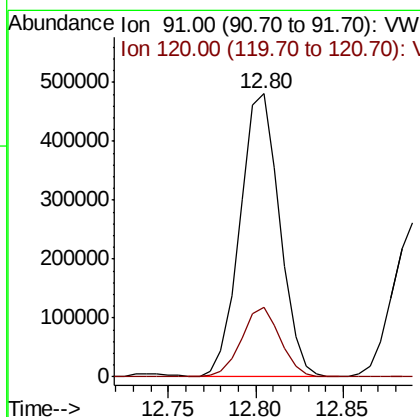
RT: 12.80 min Scan# 1788

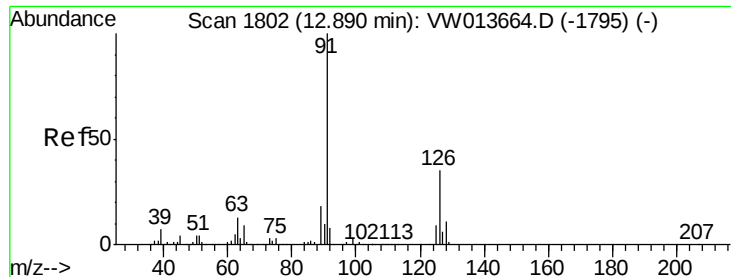
Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Tgt Ion:	91	Resp:	754530
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0





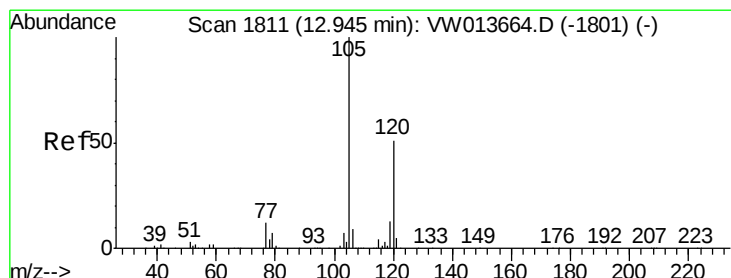
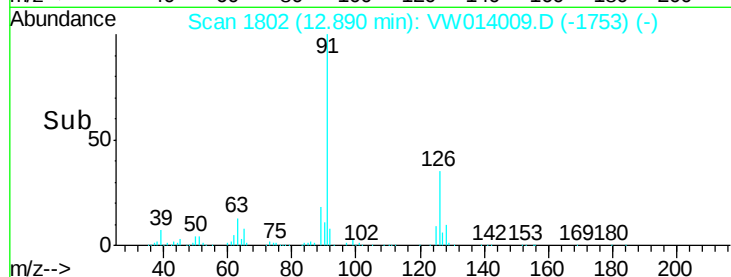
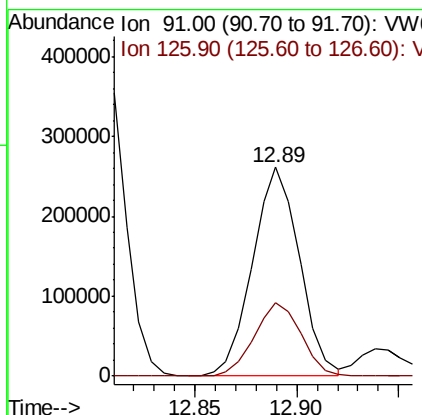
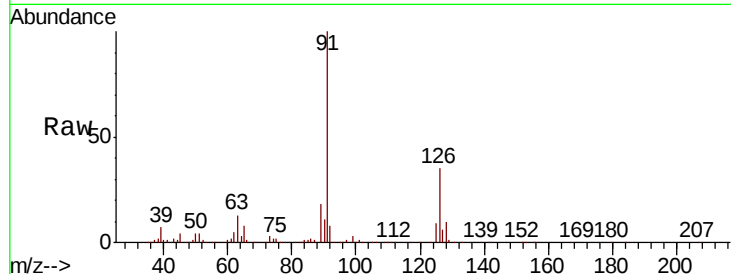
#79
2-Chlorotoluene
Concen: 50.411 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 417028
Ion Ratio Lower Upper
91 100
126 35.3 17.4 52.2

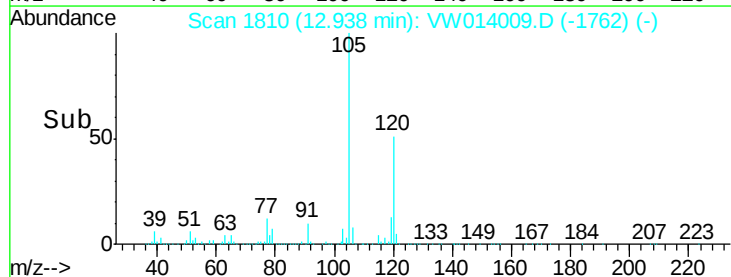
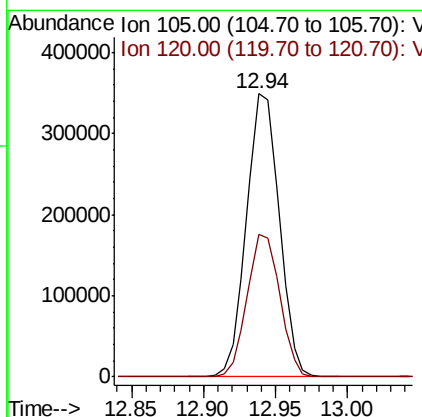
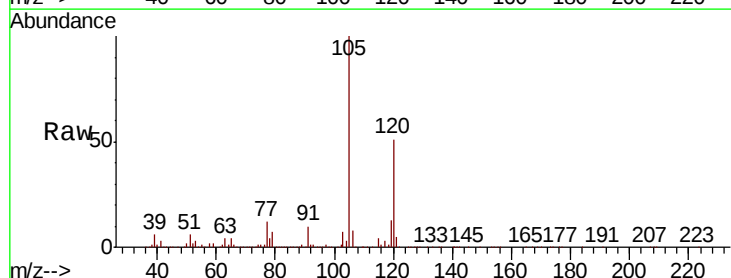
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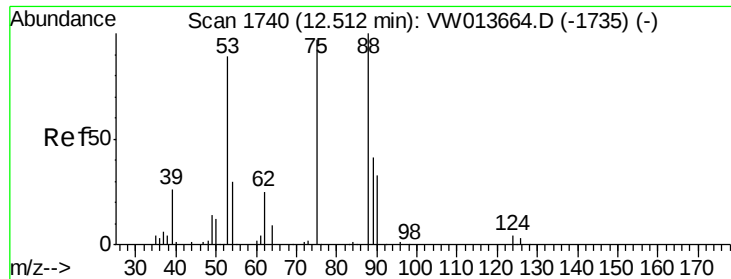
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#80
1,3,5-Trimethylbenzene
Concen: 51.042 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion: 105 Resp: 548002
Ion Ratio Lower Upper
105 100
120 50.6 25.1 75.3





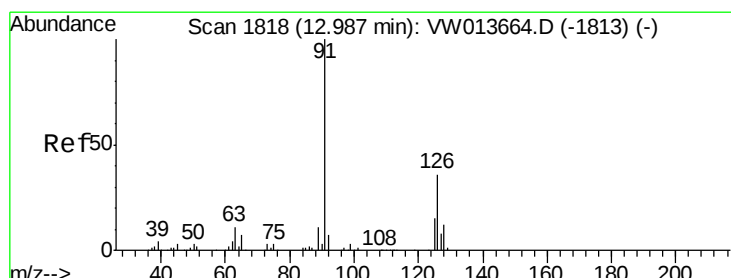
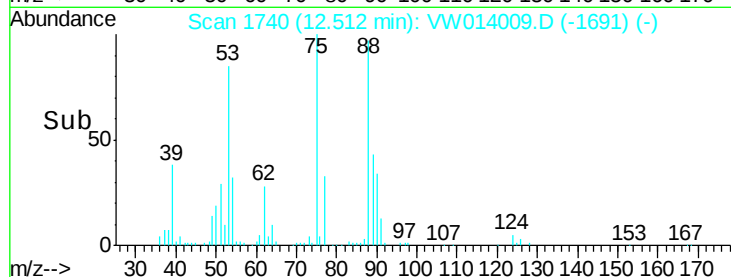
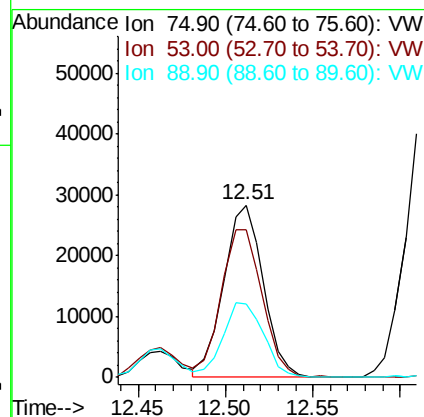
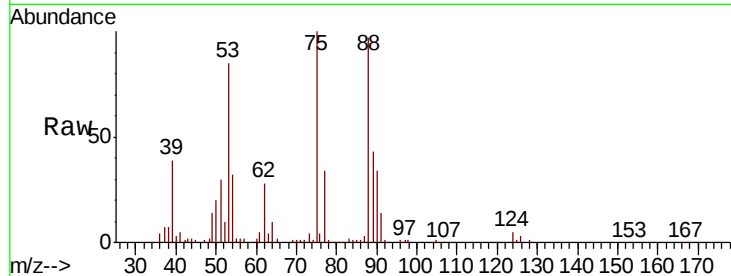
#81
trans-1,4-Dichloro-2-butene
Concen: 65.421 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.4	71.7	107.5
89	45.0	35.8	53.8

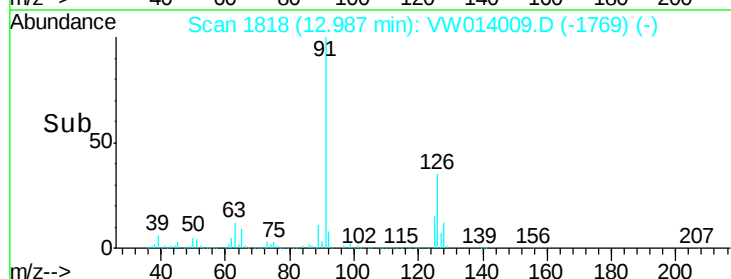
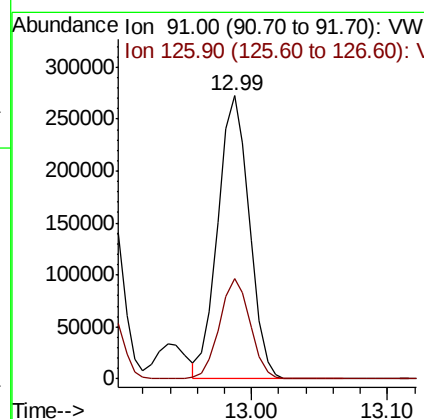
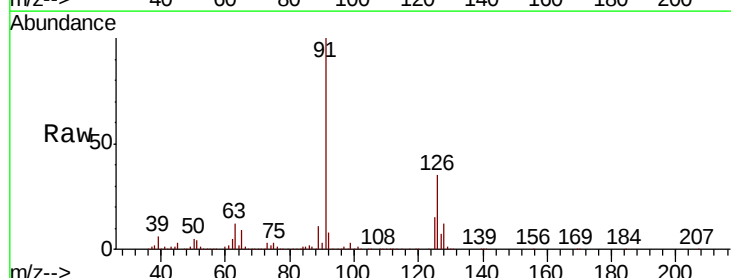
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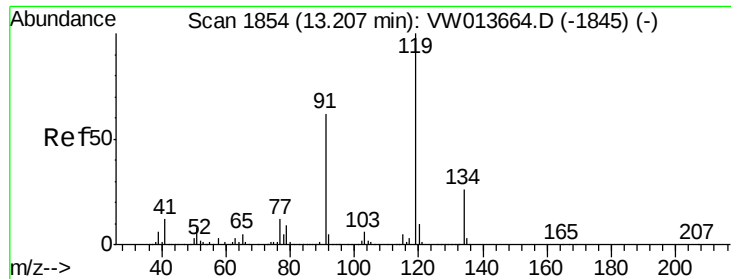
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#82
4-Chlorotoluene
Concen: 50.141 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.5





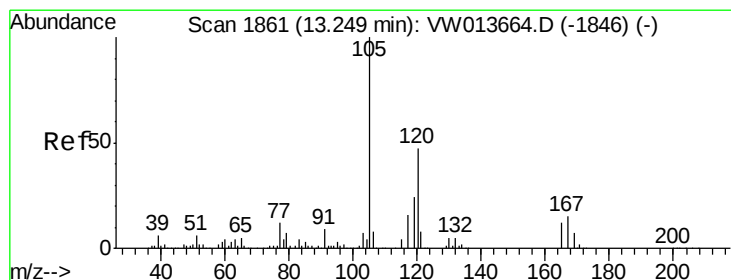
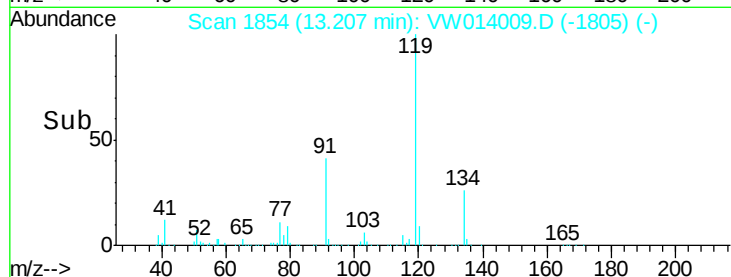
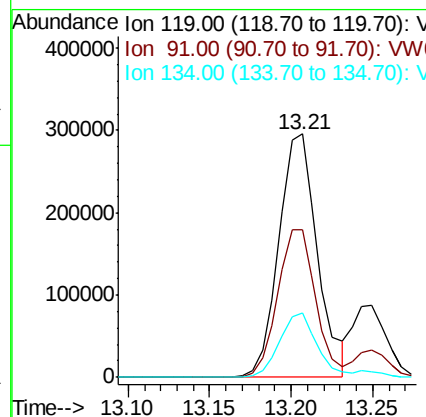
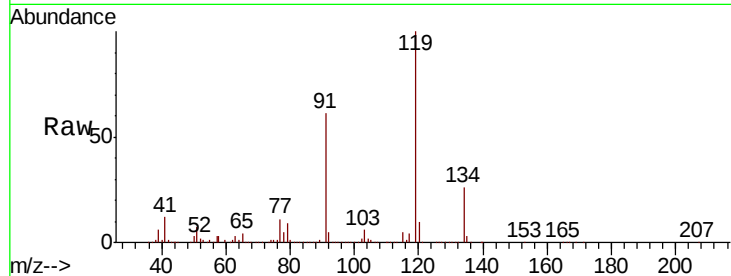
#83
tert-Butylbenzene
Concen: 51.107 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.4	91.3
134	25.6	13.6	40.8

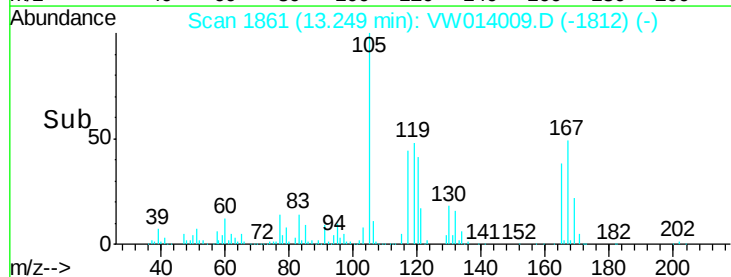
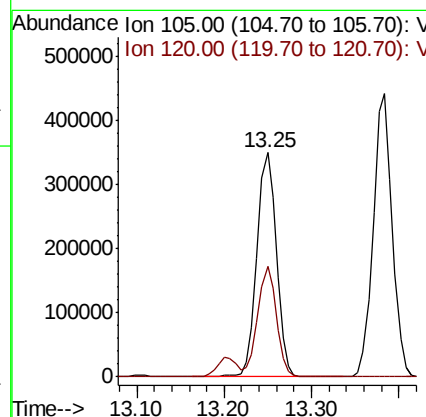
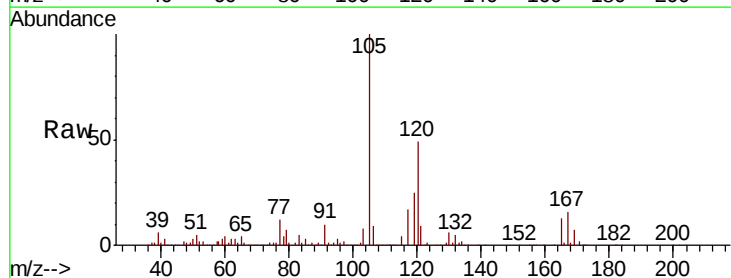
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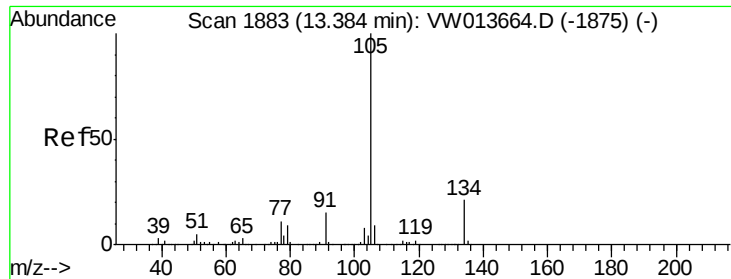
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#84
1,2,4-Trimethylbenzene
Concen: 51.050 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.5	70.5





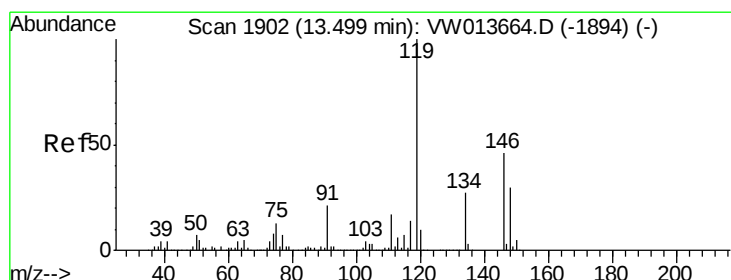
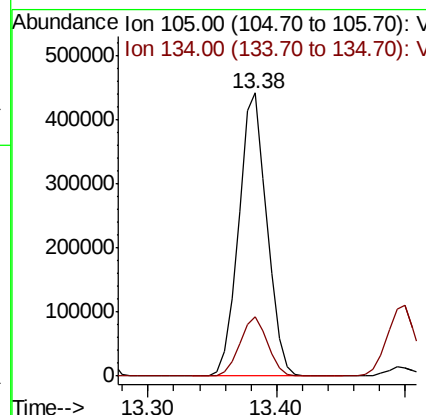
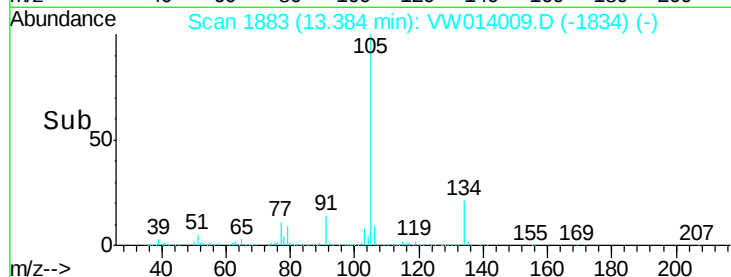
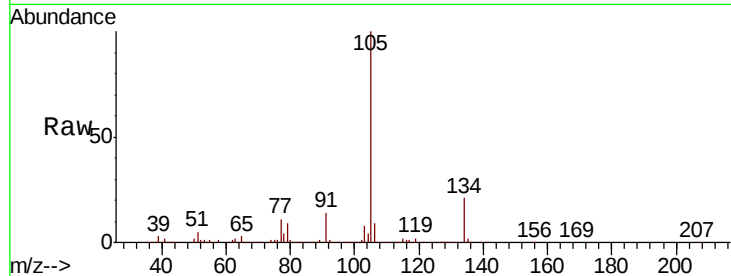
#85
 sec-Butylbenzene
 Concen: 51.326 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.5	31.5

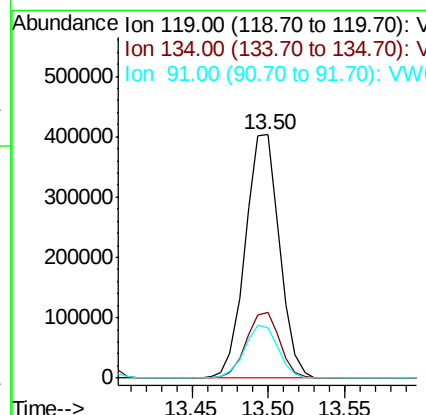
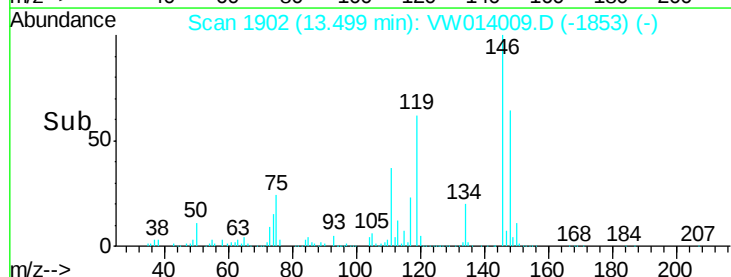
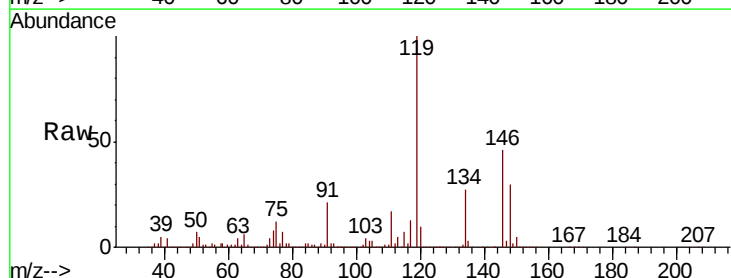
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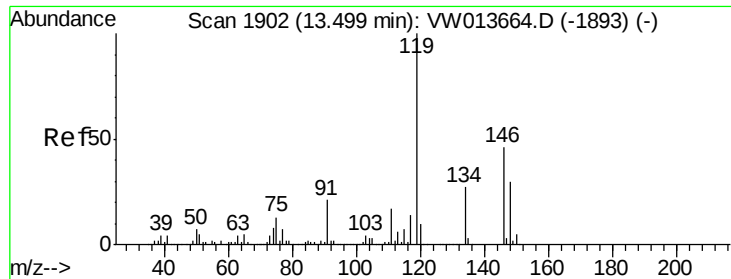
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#86
 p-Isopropyltoluene
 Concen: 51.323 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	21.3	10.8	32.3





#87

1,3-Dichlorobenzene

Concen: 51.170 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

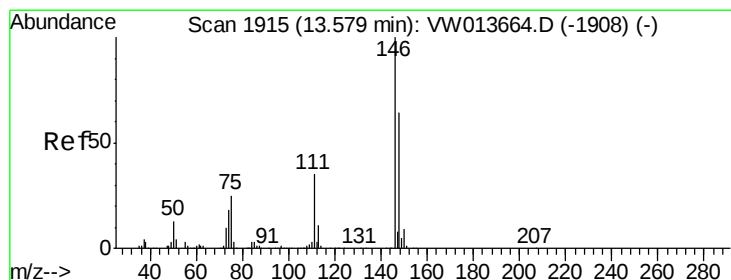
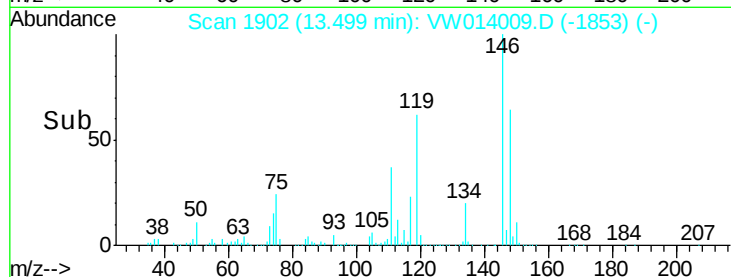
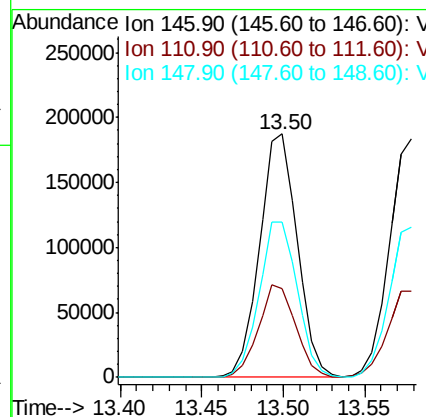
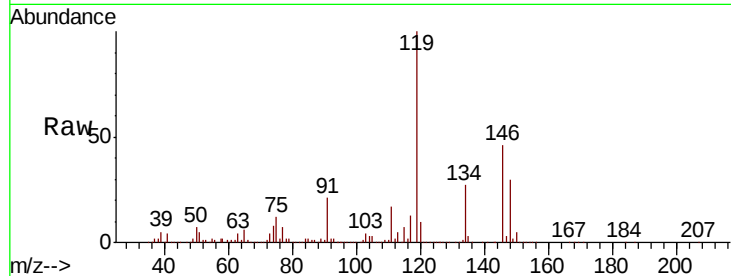
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	56.0
148	64.7	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 50.676 ug/l

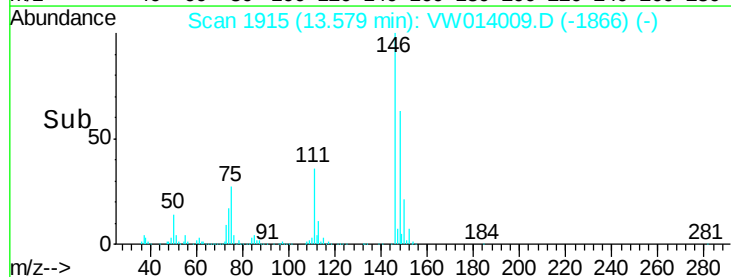
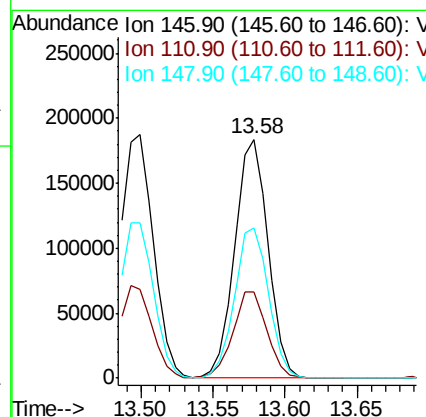
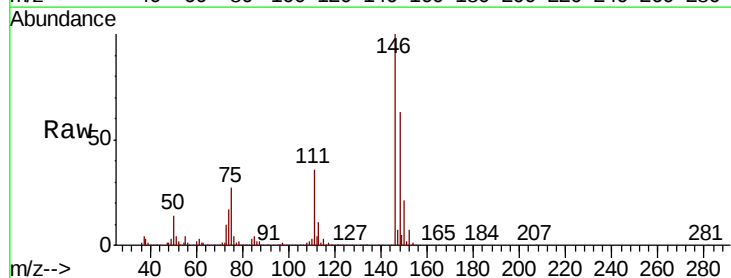
RT: 13.58 min Scan# 1915

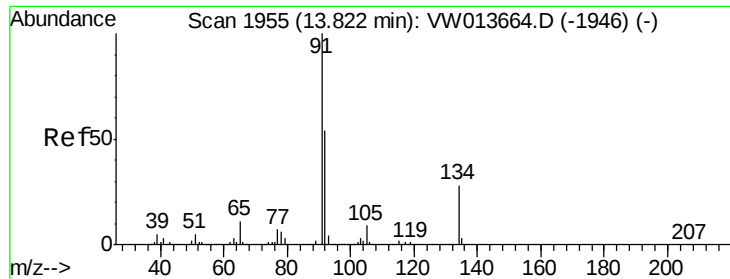
Delta R.T. -0.00 min

Lab File: VW014009.D

Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.3
148	64.2	32.0	96.2





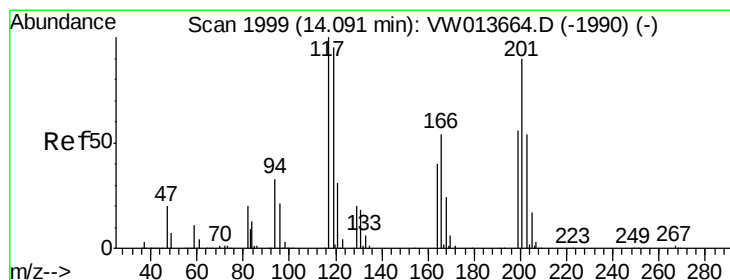
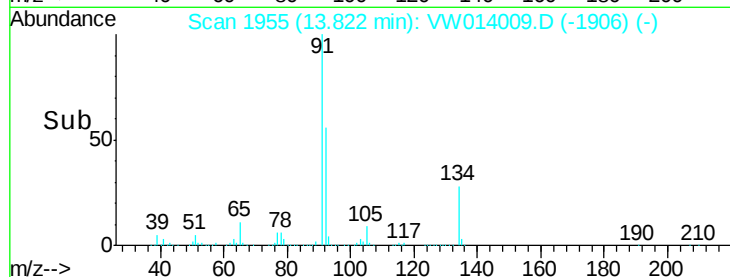
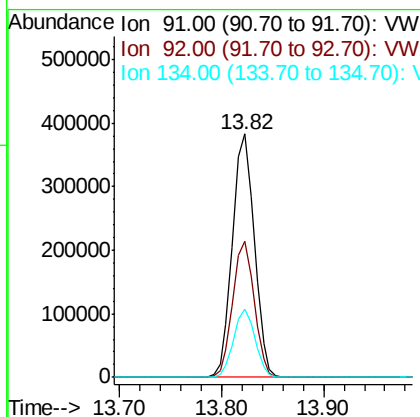
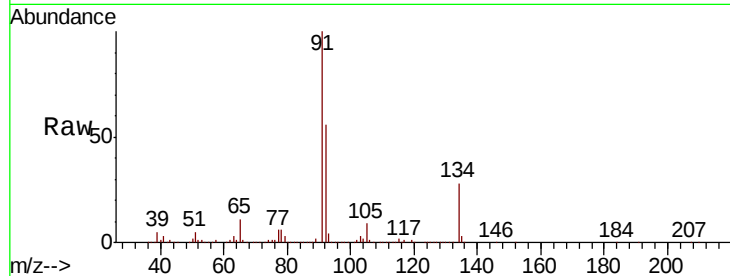
#89
n-Butylbenzene
Concen: 51.592 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.5	82.4
134	27.6	14.0	41.9

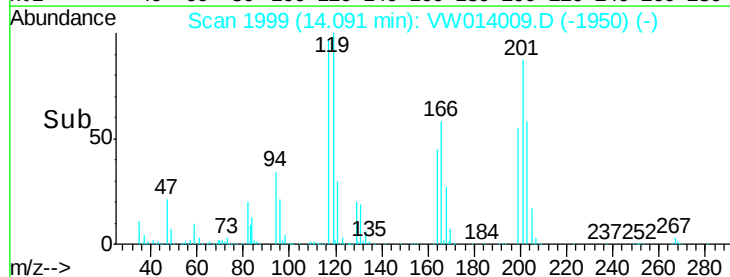
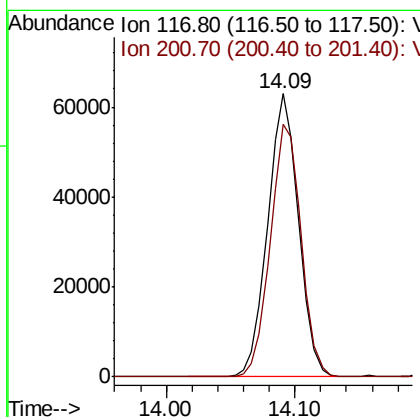
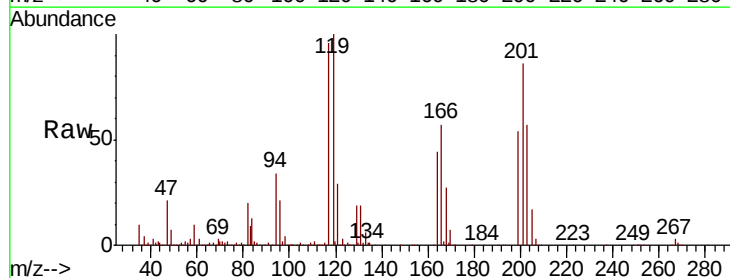
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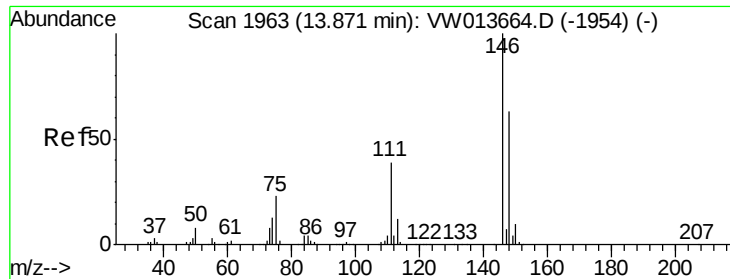
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#90
Hexachloroethane
Concen: 49.694 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	46.1	138.2





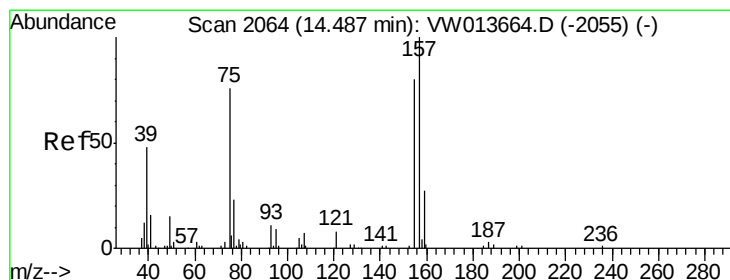
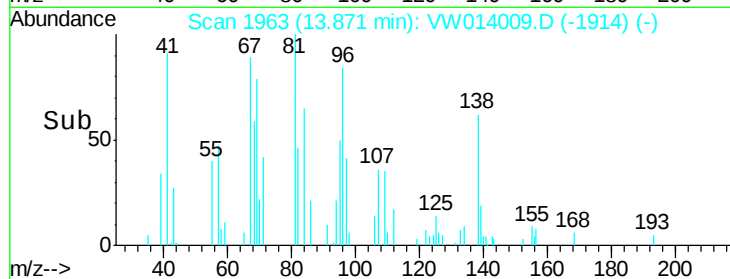
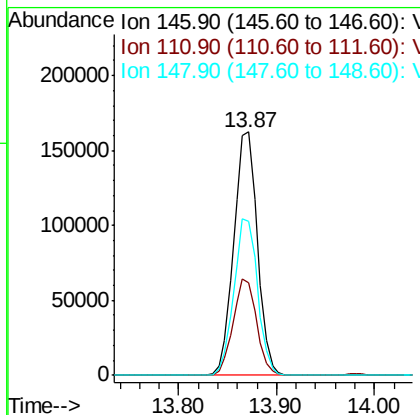
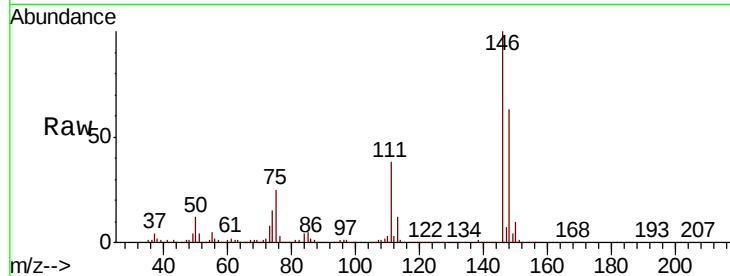
#91
 1,2-Dichlorobenzene
 Concen: 53.352 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.6
148	64.5	31.9	95.9

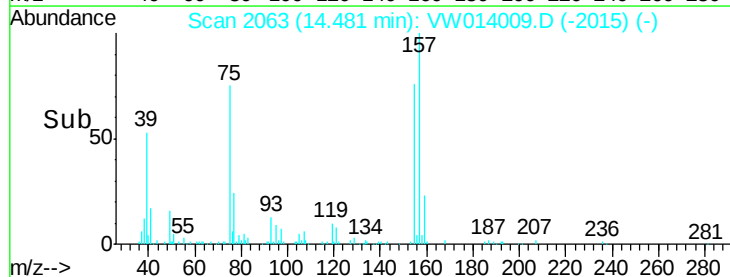
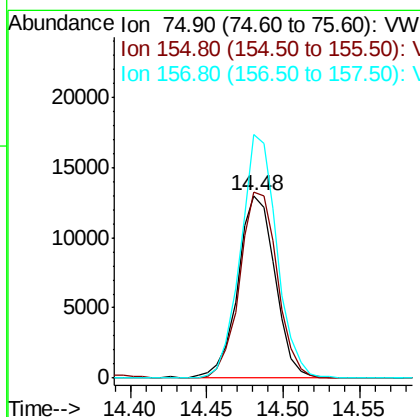
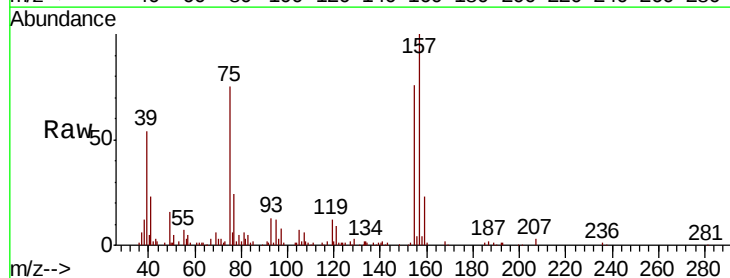
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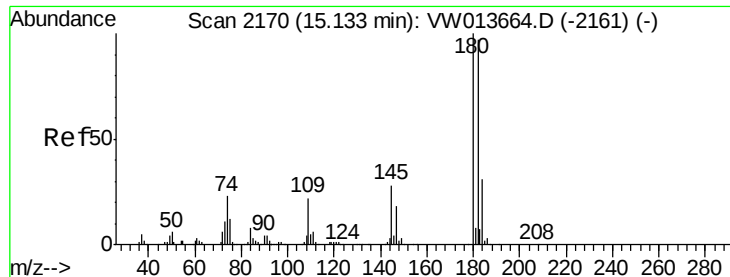
MMDadoda
 11/15/2019 10:50:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 72.243 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW014009.D
 Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	51.9	155.7
157	130.0	64.8	194.3





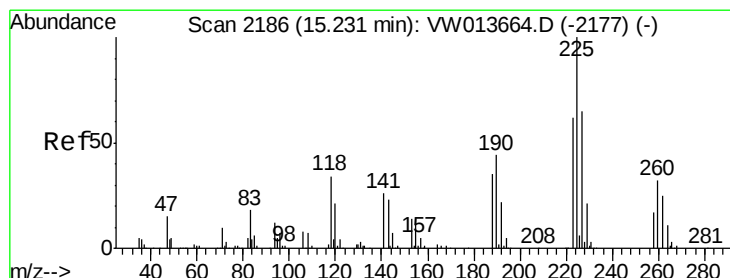
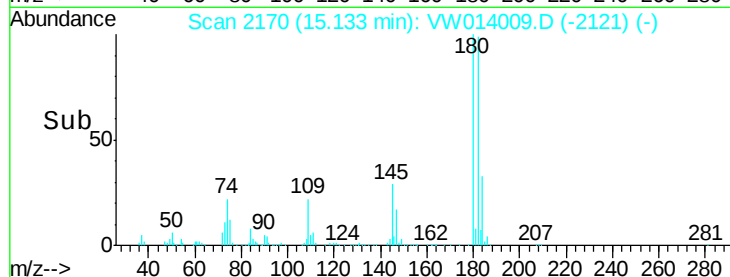
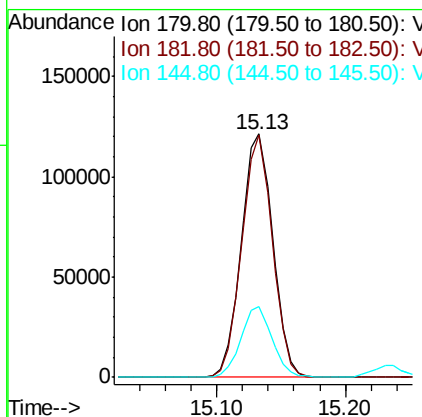
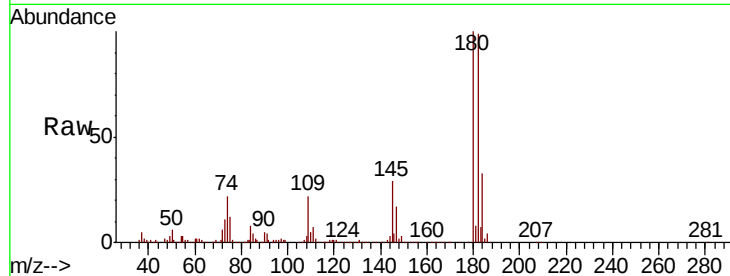
#93
1,2,4-Trichlorobenzene
Concen: 55.241 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205198		
182	96.4	47.4	142.2	
145	29.2	14.1	42.3	

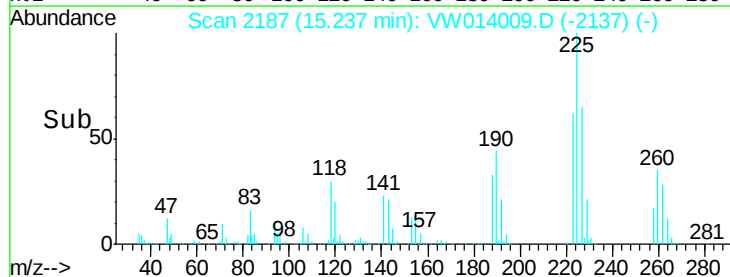
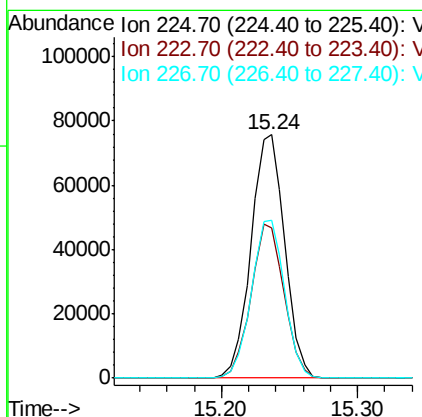
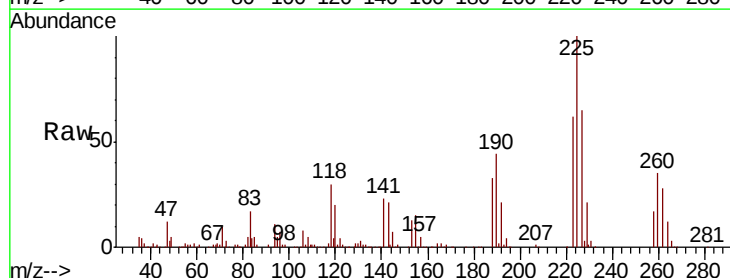
Manual Integrations
APPROVED

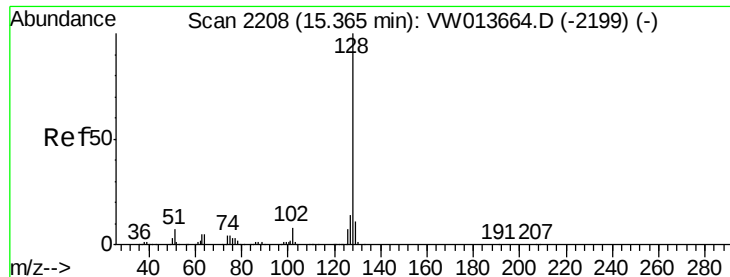
MMDadoda
11/15/2019 10:50:16 AM



#94
Hexachlorobutadiene
Concen: 52.412 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131431		
223	62.2	31.9	95.9	
227	64.0	32.5	97.4	





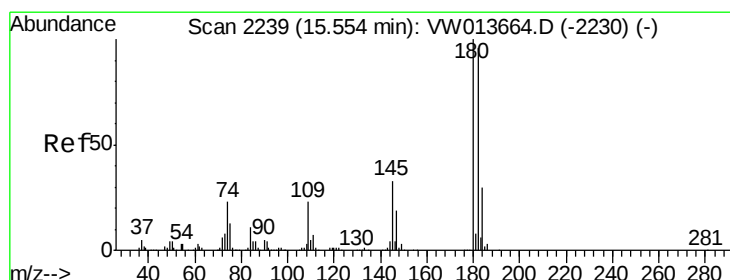
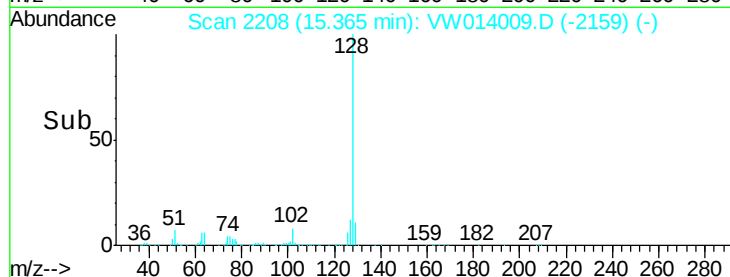
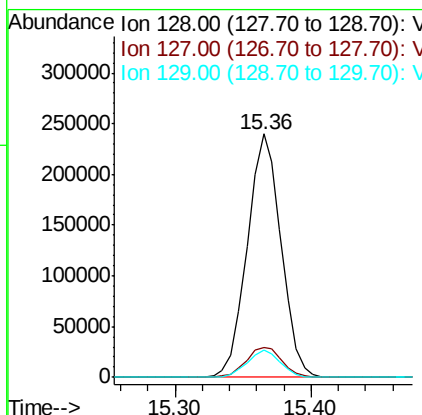
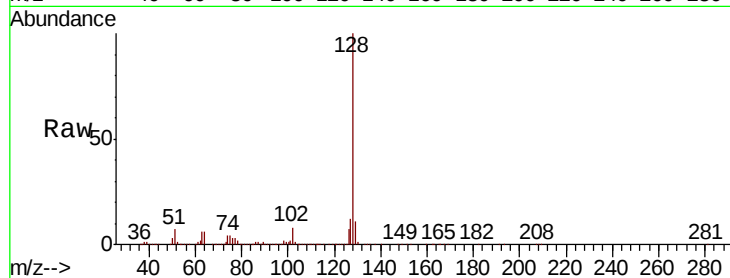
#95
Naphthalene
Concen: 71.547 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/15/2019 10:50:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 58.749 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014009.D
Acq: 13 Nov 2019 16:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.3
145	30.9	14.9	44.9

