

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013369.D
 Acq On : 01 Oct 2019 13:54
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 8:22:39 AM

Quant Time: Oct 02 09:06:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:01:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	366428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	217173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	53389	19.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.20%	
35) Dibromofluoromethane	7.88	113	53803	19.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.26%	
50) Toluene-d8	10.32	98	225314	19.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.00%	
62) 4-Bromofluorobenzene	12.62	95	75676	19.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.00	85	27210	19.773	ug/l	94
3) Chloromethane	2.20	50	48339	18.583	ug/l	98
4) Vinyl Chloride	2.36	62	67189	19.432	ug/l	99
5) Bromomethane	2.76	94	39750	18.699	ug/l	94
6) Chloroethane	2.91	64	37029	18.970	ug/l	93
7) Trichlorofluoromethane	3.25	101	30810	20.427	ug/l	91
8) Diethyl Ether	3.68	74	32559	19.275	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	64000	19.243	ug/l	98
10) Methyl Iodide	4.27	142	102328	19.357	ug/l	99
11) Tert butyl alcohol	5.17	59	27161m	46.550	ug/l	
12) 1,1-Dichloroethene	4.03	96	67471	19.356	ug/l	97
13) Acrolein	3.89	56	27876	116.401	ug/l	99
14) Allyl chloride	4.67	41	100254	19.672	ug/l	98
15) Acrylonitrile	5.36	53	73075	94.200	ug/l	100
16) Acetone	4.12	43	70910	78.574	ug/l	97
17) Carbon Disulfide	4.38	76	188501	19.679	ug/l	99
18) Methyl Acetate	4.67	43	37196	18.155	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	97578	19.067	ug/l	99
20) Methylene Chloride	4.92	84	81161	17.908	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	73671	20.001	ug/l	97
22) Diisopropyl ether	6.31	45	189517	19.265	ug/l	95
23) Vinyl Acetate	6.25	43	579063	98.398	ug/l	100
24) 1,1-Dichloroethane	6.21	63	118084	19.426	ug/l	96
25) 2-Butanone	7.17	43	98748	86.984	ug/l	97
26) 2,2-Dichloropropane	7.16	77	73942	17.714	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	75175	19.398	ug/l	98
28) Bromochloromethane	7.51	49	36346	17.390	ug/l	98
29) Tetrahydrofuran	7.52	42	62037	94.375	ug/l	100
30) Chloroform	7.67	83	114276	19.204	ug/l	96
31) Cyclohexane	7.95	56	127666	19.158	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	91653	19.686	ug/l	99
36) 1,1-Dichloropropene	8.08	75	97753	19.310	ug/l	98
37) Ethyl Acetate	7.25	43	43581	17.067	ug/l	99
38) Carbon Tetrachloride	8.06	117	86555	19.978	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	131417	19.787	ug/l	99
40) Benzene	8.32	78	276848	19.346	ug/l	97
41) Methacrylonitrile	7.48	41	25655	9.333	ug/l	97
42) 1,2-Dichloroethane	8.40	62	70159	19.347	ug/l	99
43) Isopropyl Acetate	8.42	43	79557	18.984	ug/l	99
44) Trichloroethene	9.09	130	78996	19.568	ug/l	97
45) 1,2-Dichloropropane	9.37	63	64684	19.112	ug/l	95
46) Dibromomethane	9.45	93	32469	19.102	ug/l	98
47) Bromodichloromethane	9.64	83	80754	19.626	ug/l	99
48) Methyl methacrylate	9.43	41	39035	19.940	ug/l	97
49) 1,4-Dioxane	9.45	88	11281	371.748	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	206722	91.530	ug/l	99
52) Toluene	10.38	92	178280	19.520	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	81273	19.531	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	99931	19.557	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	49060	19.412	ug/l	97
56) Ethyl methacrylate	10.65	69	64082	19.268	ug/l	98
57) 1,3-Dichloropropane	10.93	76	85019	19.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	132020	96.218	ug/l	98
59) 2-Hexanone	10.97	43	138918	92.178	ug/l	98
60) Dibromochloromethane	11.13	129	54191	19.362	ug/l	98
61) 1,2-Dibromoethane	11.23	107	46527	18.880	ug/l	97
64) Tetrachloroethene	10.86	164	70005	19.906	ug/l	94
65) Chlorobenzene	11.66	112	183512	19.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	61973	19.836	ug/l	99
67) Ethyl Benzene	11.73	91	336349	19.954	ug/l	99
68) m/p-Xylenes	11.84	106	260979	39.988	ug/l	95
69) o-Xylene	12.16	106	121108	20.367	ug/l	98
70) Styrene	12.18	104	203324	19.912	ug/l	100
71) Bromoform	12.35	173	32592	19.172	ug/l #	99
73) Isopropylbenzene	12.46	105	330268	20.198	ug/l	99
74) N-amyl acetate	12.27	43	66902	18.968	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	54363	19.383	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	42370m	21.575	ug/l	
77) Bromobenzene	12.74	156	76319	19.609	ug/l	97
78) n-propylbenzene	12.80	91	382129	20.404	ug/l	96
79) 2-Chlorotoluene	12.89	91	208363	19.685	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	272377	19.789	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17537	20.830	ug/l	96
82) 4-Chlorotoluene	12.99	91	215944	19.804	ug/l	100
83) tert-Butylbenzene	13.21	119	241038	19.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	271745	19.911	ug/l	98
85) sec-Butylbenzene	13.38	105	333759	19.987	ug/l	99
86) p-Isopropyltoluene	13.50	119	314034	20.279	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	146670	19.467	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	147815	19.725	ug/l	99
89) n-Butylbenzene	13.82	91	278494	19.935	ug/l	100
90) Hexachloroethane	14.09	117	50231	19.838	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	126266	19.072	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8324	19.311	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	88080	19.054	ug/l	97
94) Hexachlorobutadiene	15.24	225	60307	19.363	ug/l	99
95) Naphthalene	15.36	128	144165	18.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	78428	19.398	ug/l	98

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

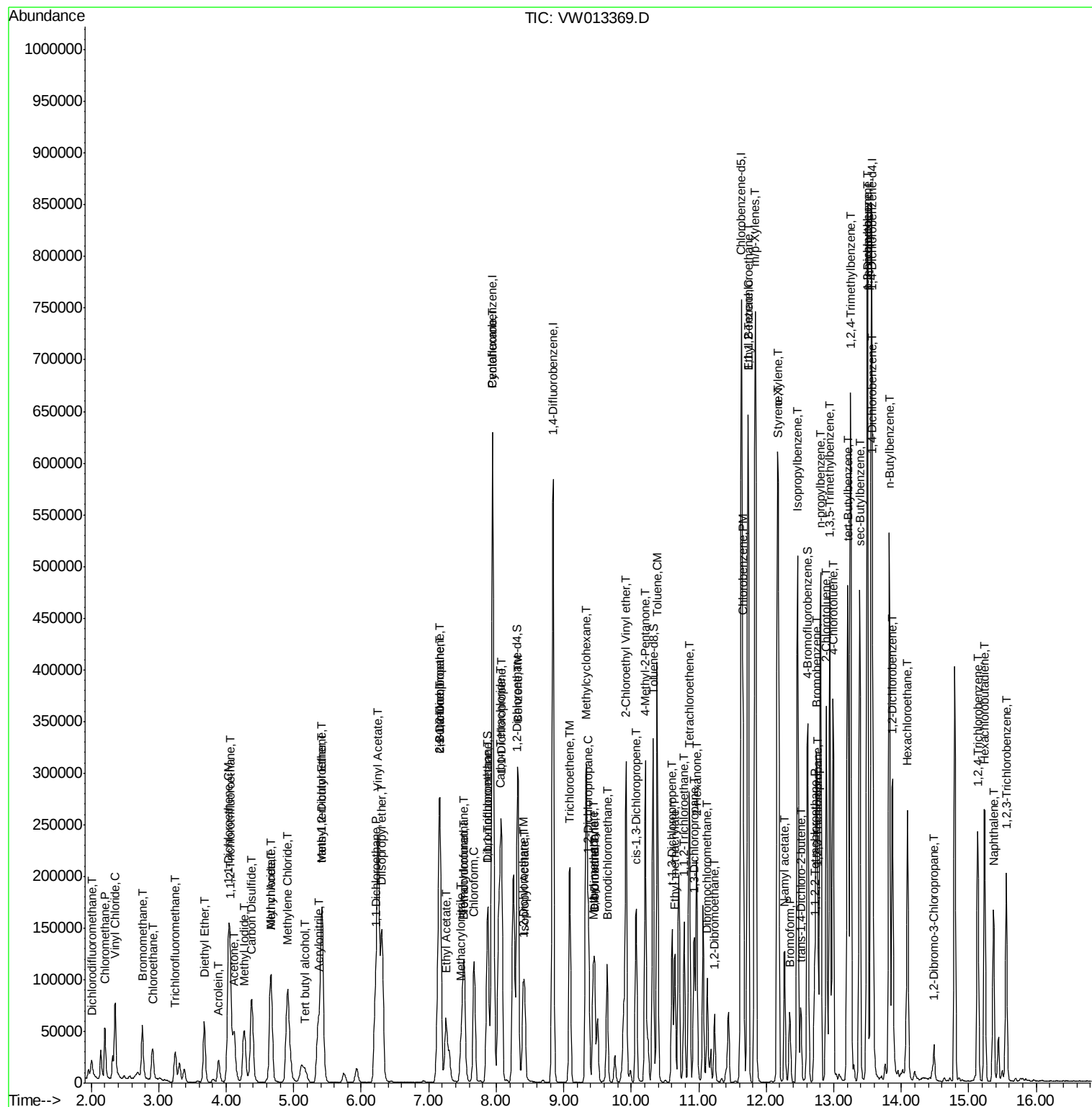
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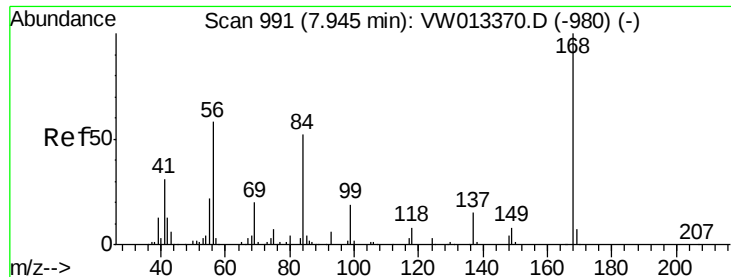
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 366428

Ion Ratio Lower Upper

168 100

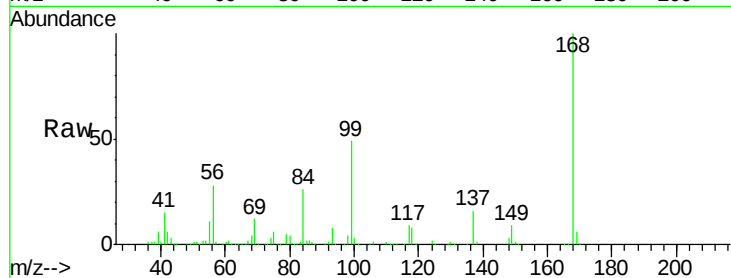
99 48.7 38.7 58.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

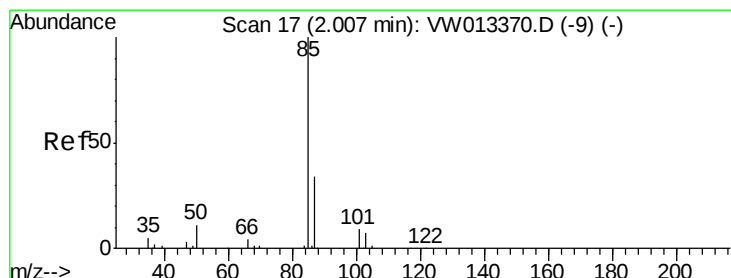
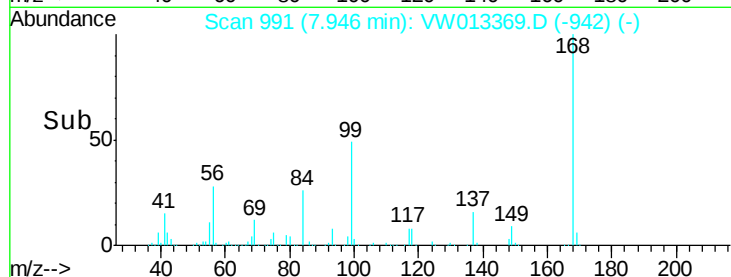
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.773 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013369.D

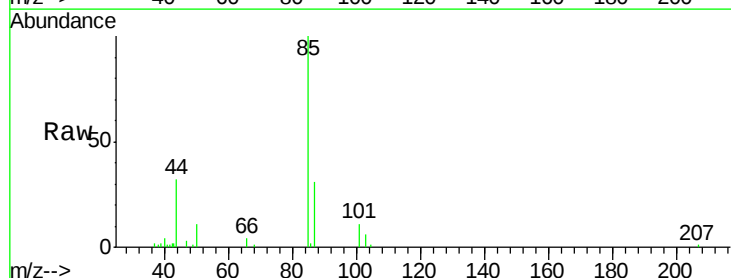
Acq: 01 Oct 2019 13:54

Tgt Ion: 85 Resp: 27210

Ion Ratio Lower Upper

85 100

87 31.3 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

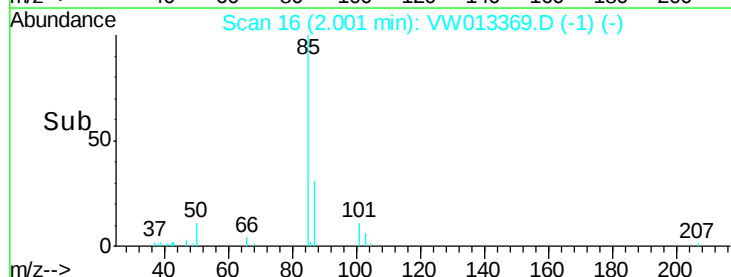
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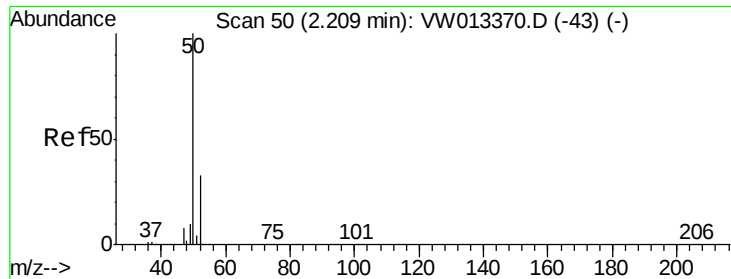
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.583 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 48339

Ion Ratio Lower Upper

50 100

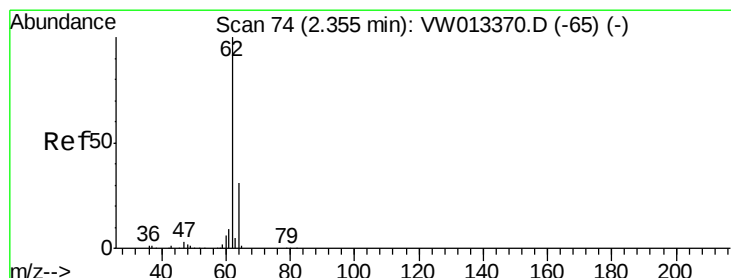
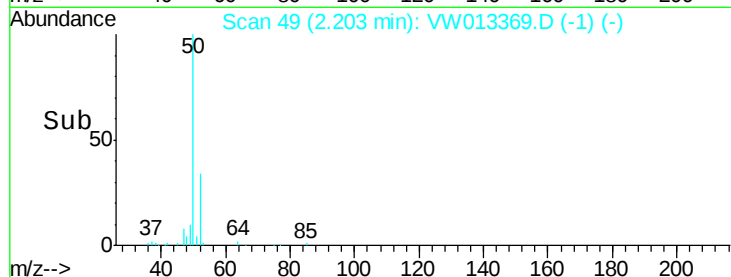
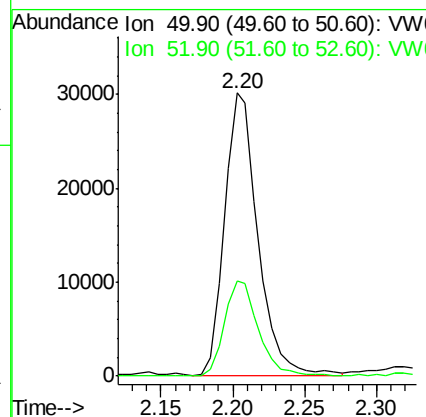
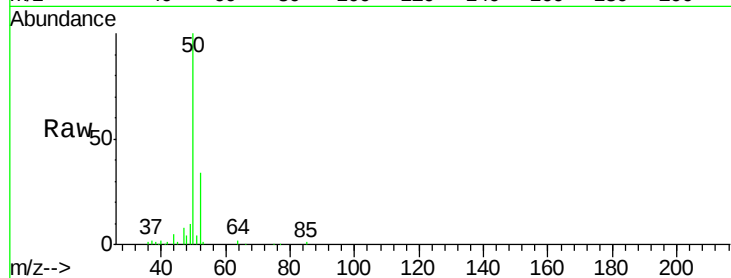
52 33.8 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.432 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013369.D

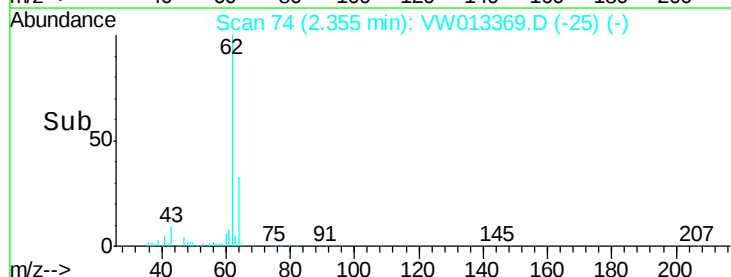
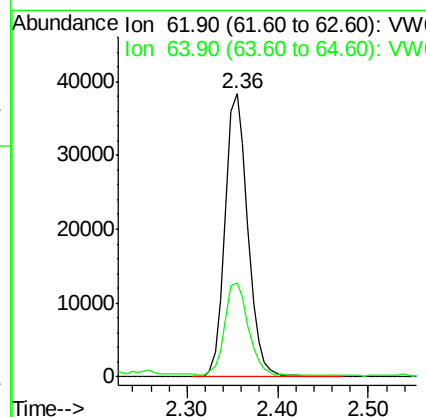
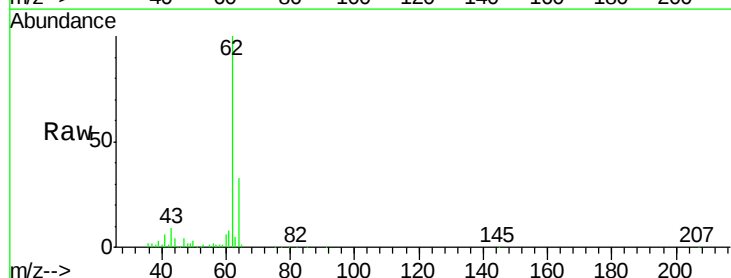
Acq: 01 Oct 2019 13:54

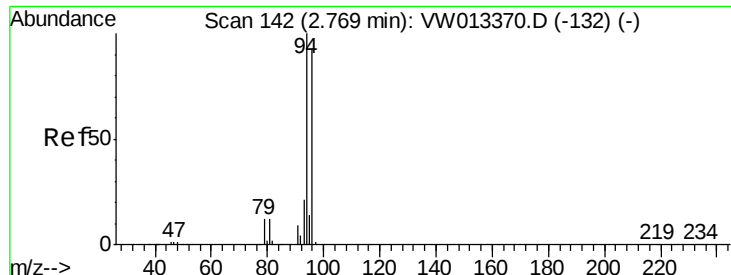
Tgt Ion: 62 Resp: 67189

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 18.699 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 39750

Ion Ratio Lower Upper

94 100

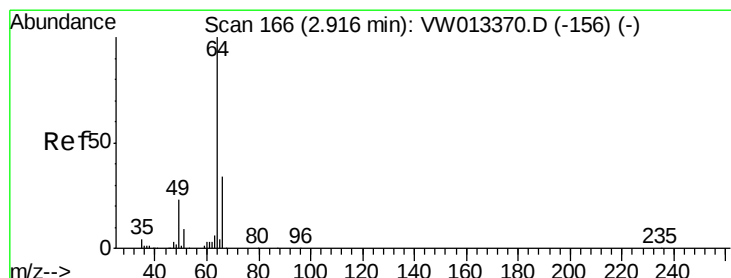
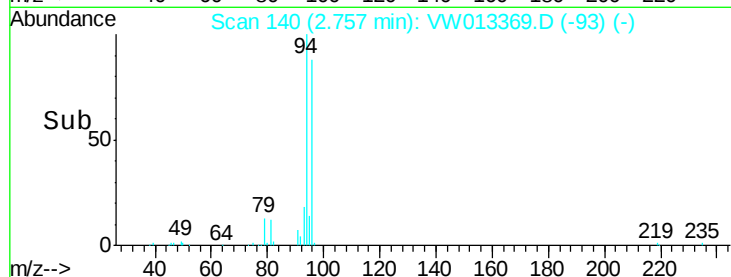
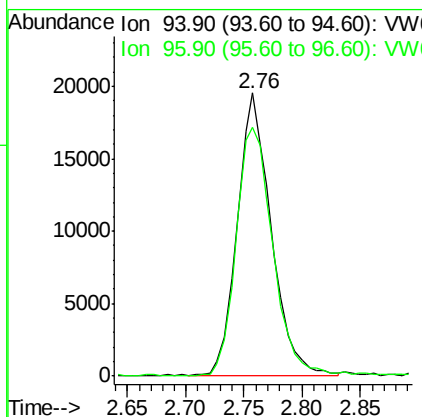
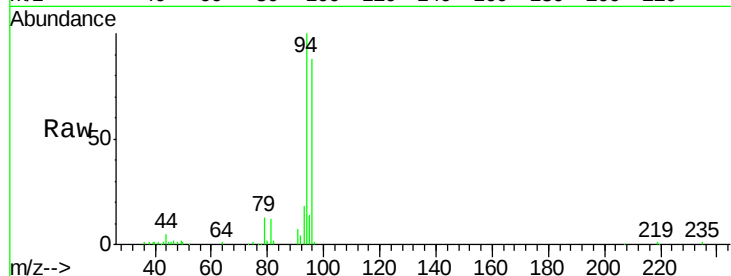
96 87.9 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 18.970 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013369.D

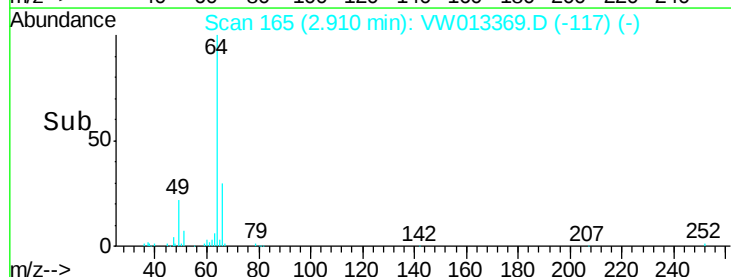
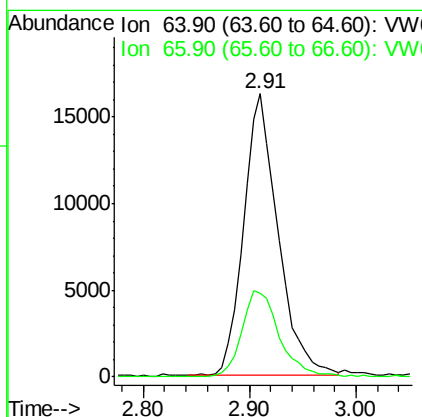
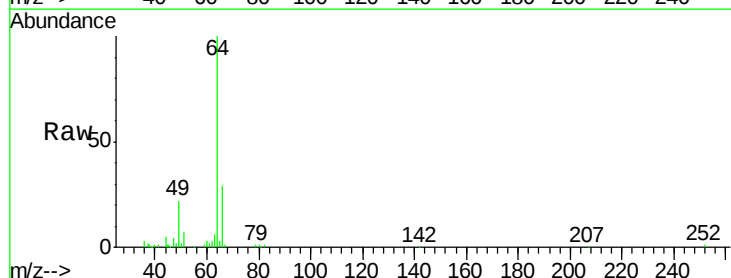
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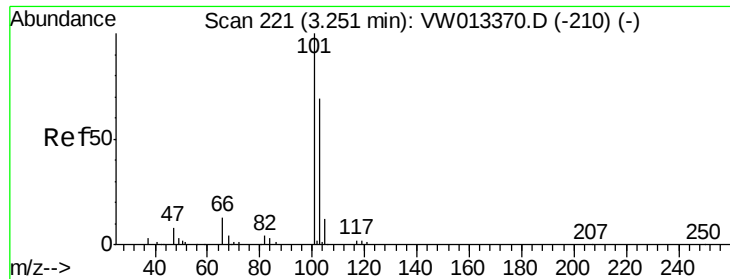
Tgt Ion: 64 Resp: 37029

Ion Ratio Lower Upper

64 100

66 29.6 26.9 40.3





#7

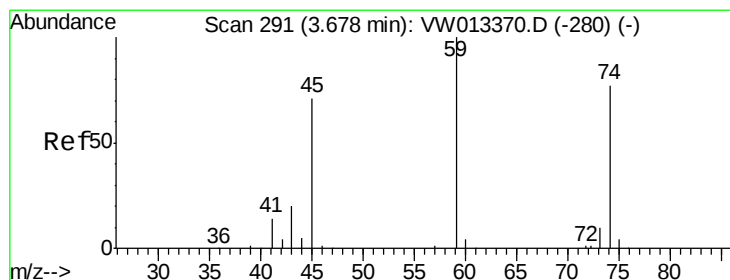
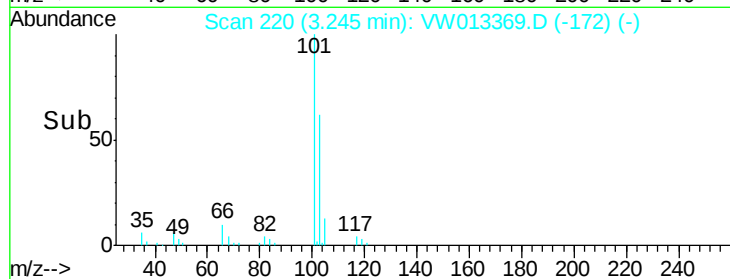
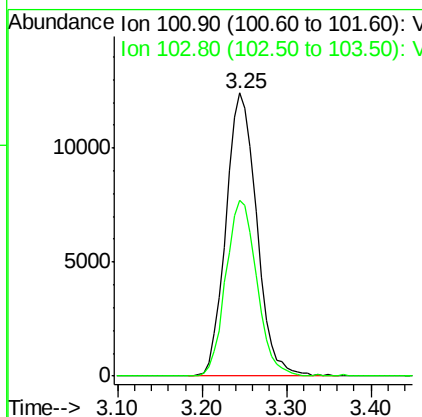
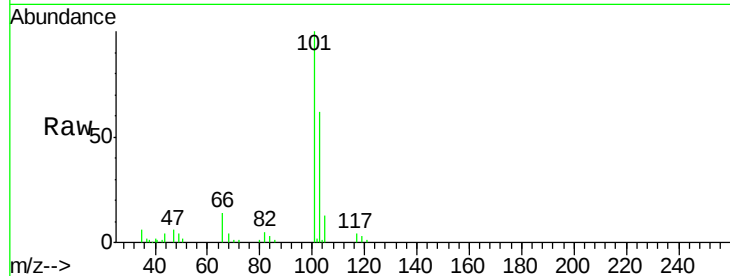
Trichlorofluoromethane
 Concen: 20.427 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	55.3	82.9

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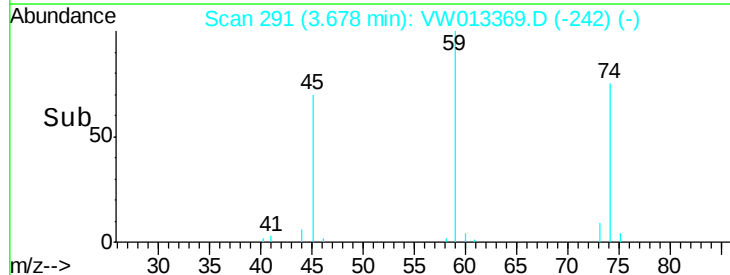
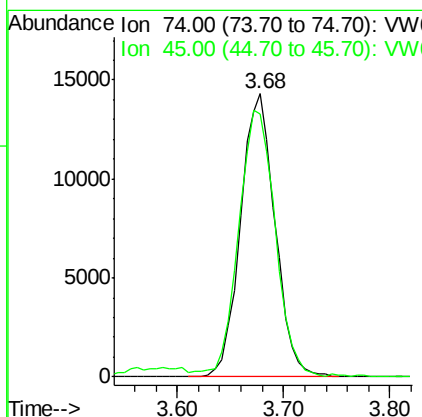
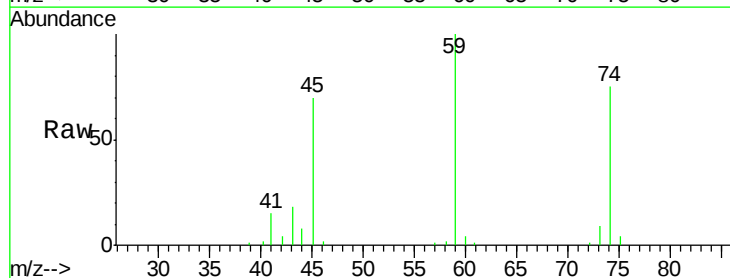
MMDadoda
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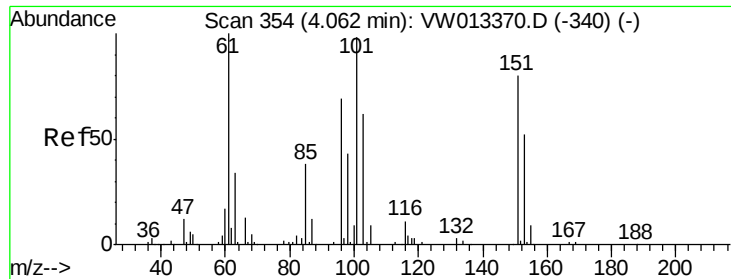


#8

Diethyl Ether
 Concen: 19.275 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.243 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

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MSVOA_W

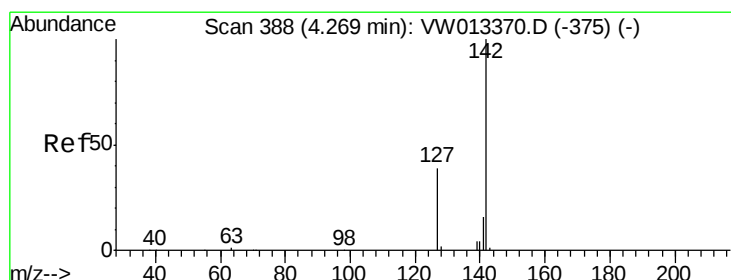
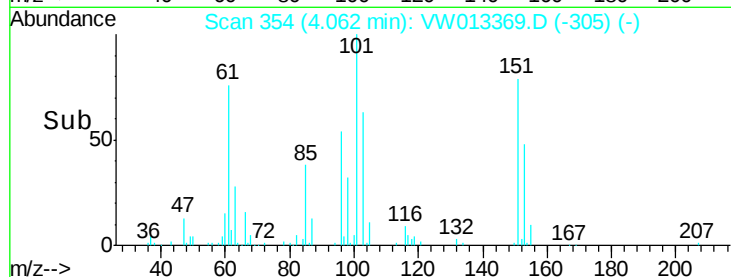
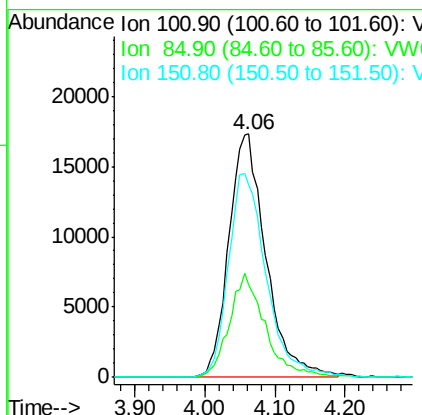
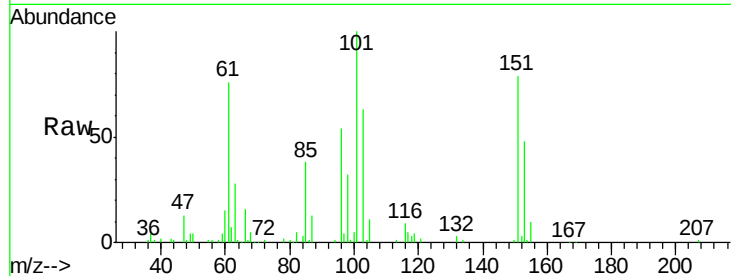
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	64000
Ion Ratio	Lower	Upper	
101	100		
85	40.8	31.9	47.9
151	85.2	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.357 ug/l

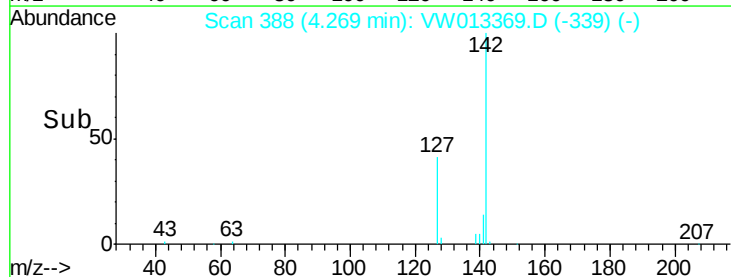
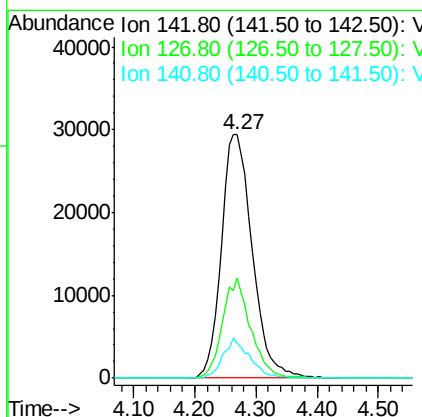
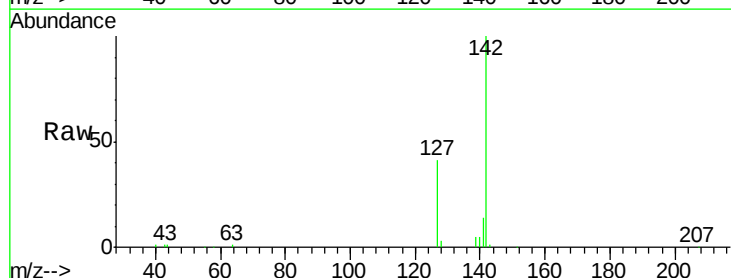
RT: 4.27 min Scan# 388

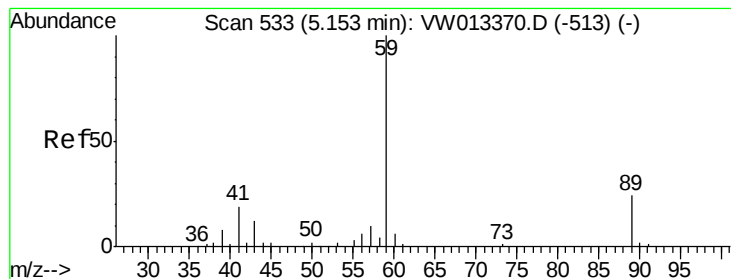
Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion:	142	Resp:	102328
Ion Ratio	Lower	Upper	
142	100		
127	37.3	30.1	45.1
141	14.1	11.7	17.5





#11

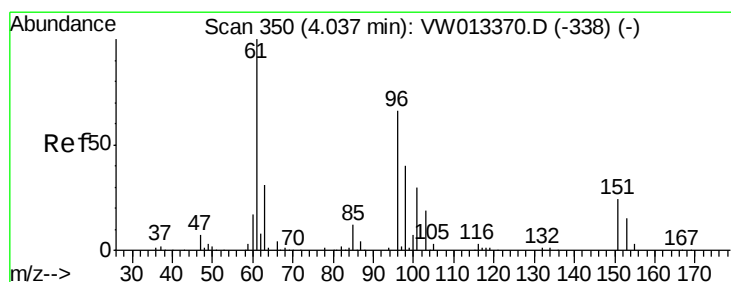
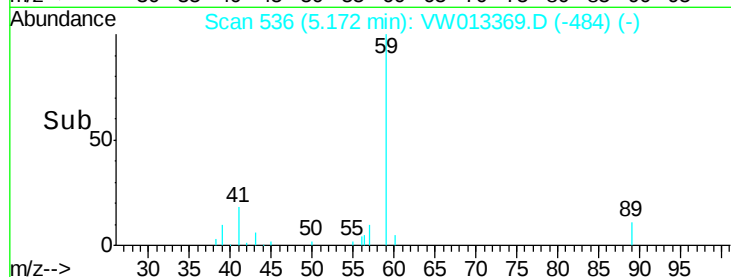
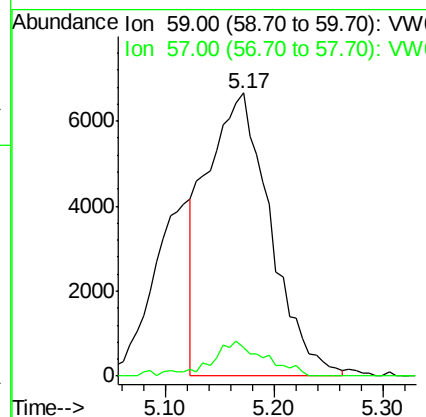
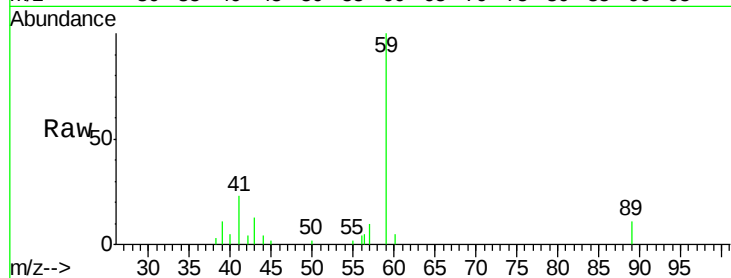
Tert butyl alcohol
 Concen: 46.550 ug/l m
 RT: 5.17 min Scan# 536
 Delta R.T. 0.02 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.1	10.7

Manual Integrations
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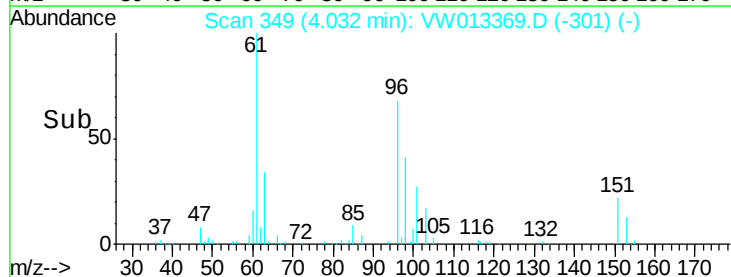
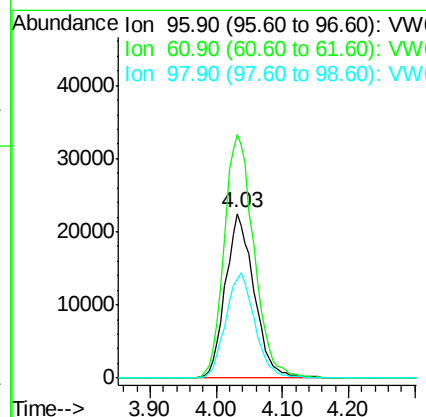
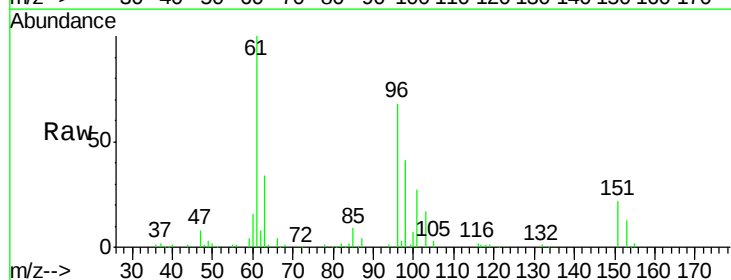
MMDadoda
 10/7/2019 8:22:39 AM

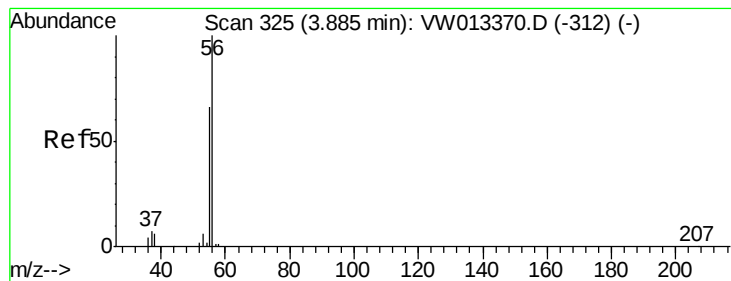


#12

1,1-Dichloroethene
 Concen: 19.356 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.7	121.4	182.2
98	60.4	48.9	73.3





#13

Acrolein

Concen: 116.401 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 27876

Ion Ratio Lower Upper

56 100

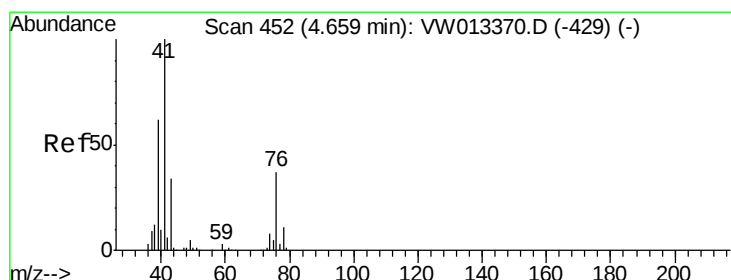
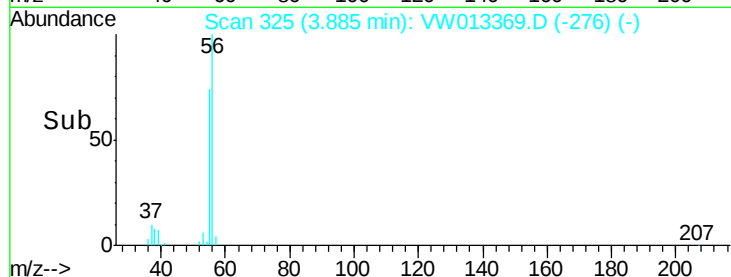
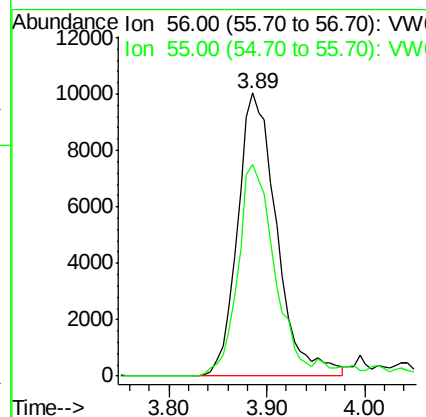
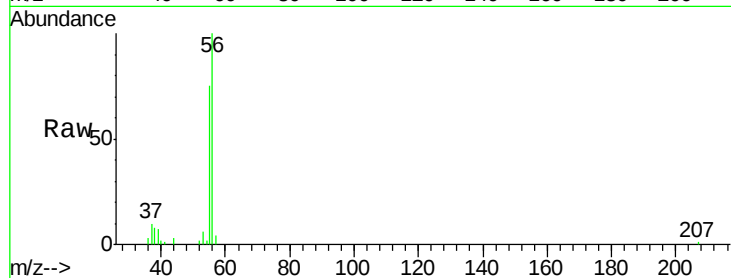
55 69.7 55.3 82.9

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 19.672 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

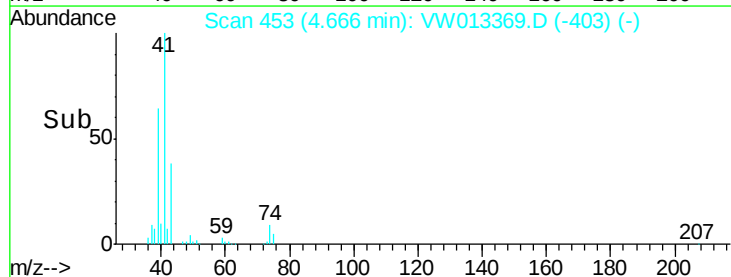
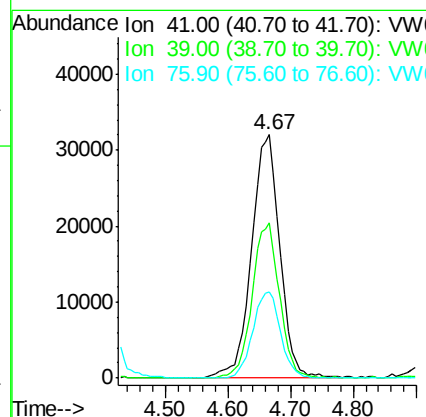
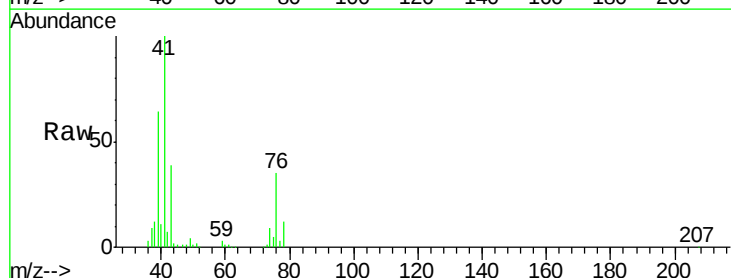
Tgt Ion: 41 Resp: 100254

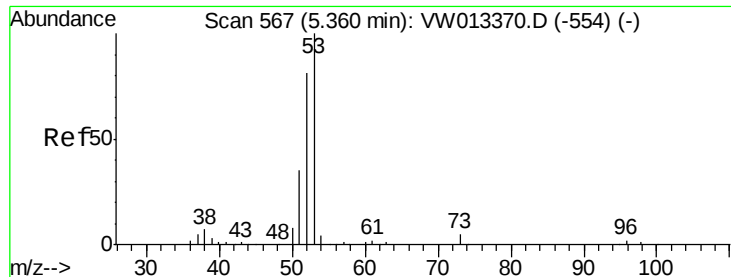
Ion Ratio Lower Upper

41 100

39 61.2 49.4 74.0

76 34.2 29.1 43.7





#15

Acrylonitrile

Concen: 94.200 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

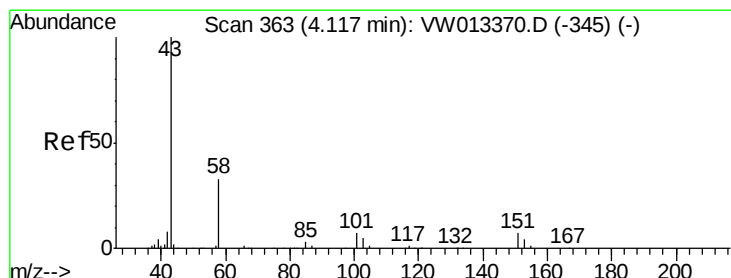
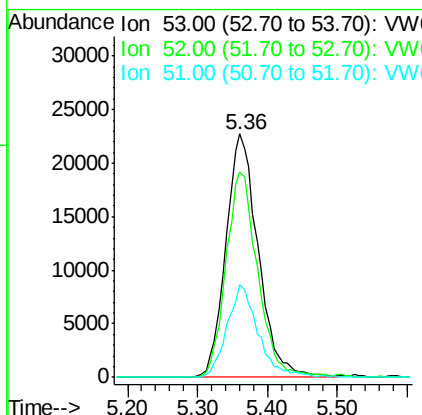
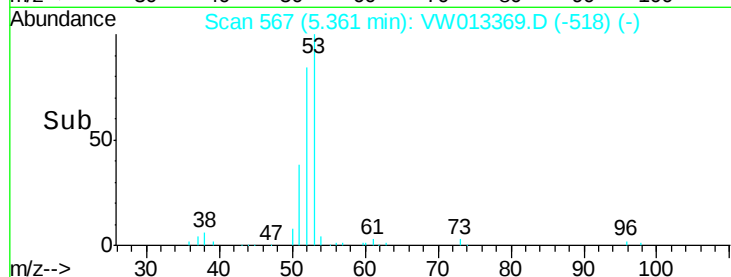
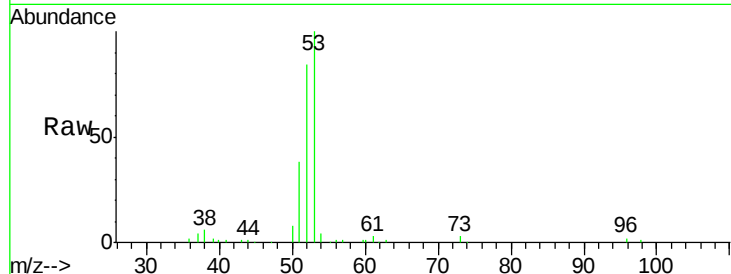
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	73075
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.8
51	36.3	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 78.574 ug/l

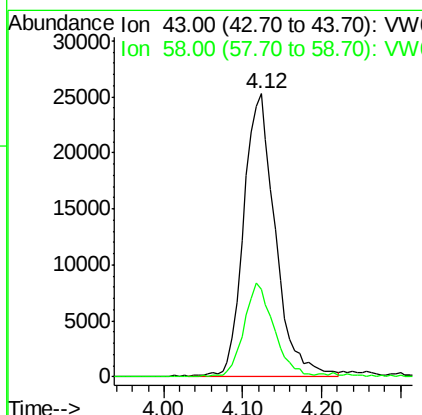
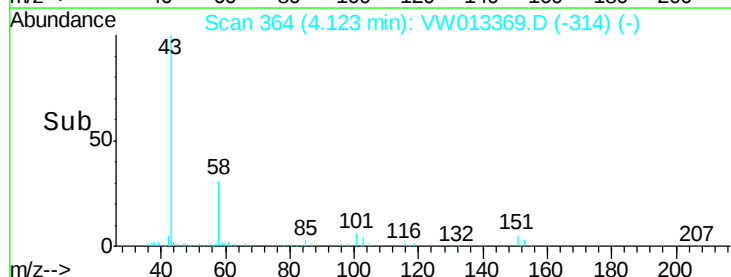
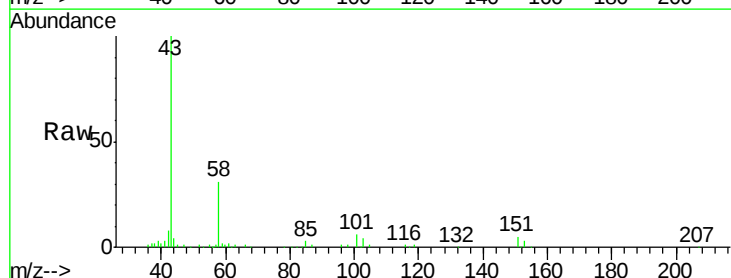
RT: 4.12 min Scan# 364

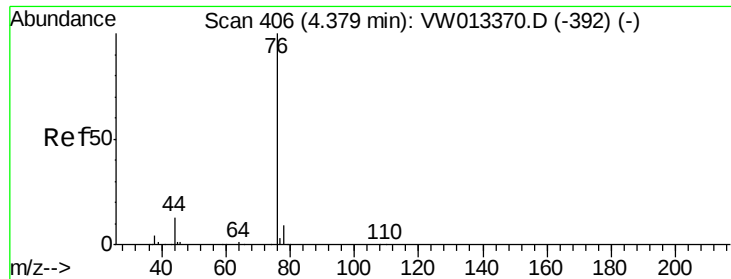
Delta R.T. 0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion:	43	Resp:	70910
Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.2	39.4





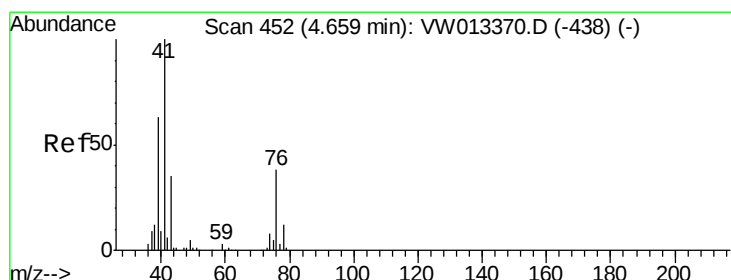
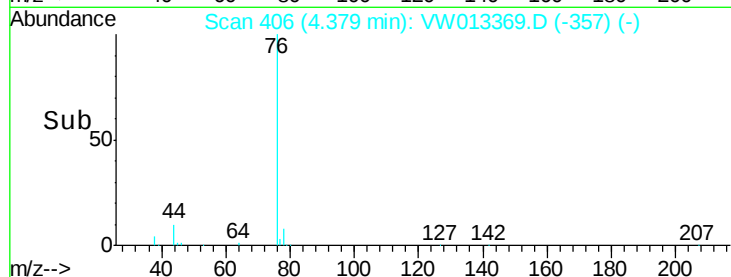
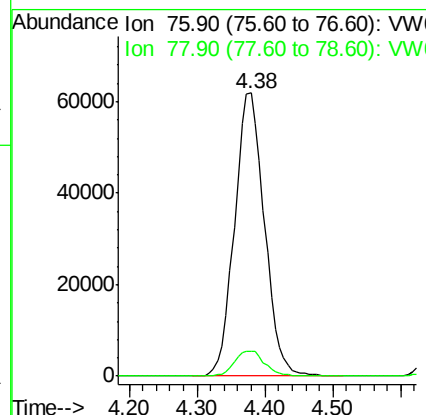
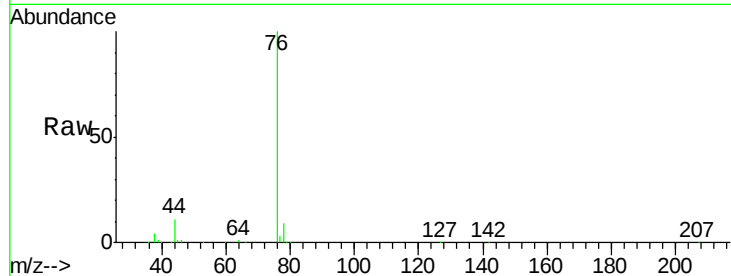
#17
Carbon Disulfide
Concen: 19.679 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

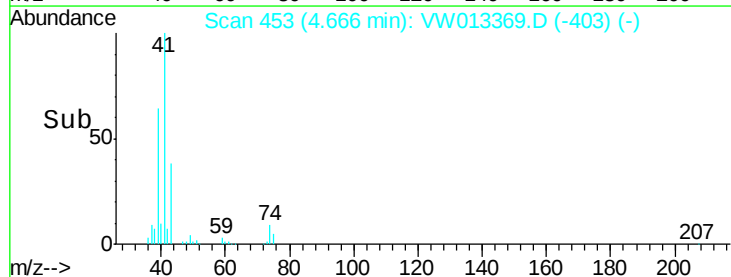
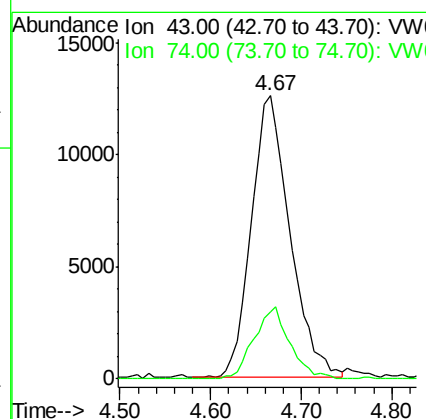
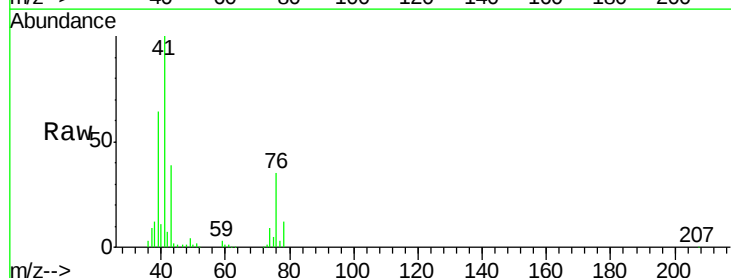
Manual Integrations
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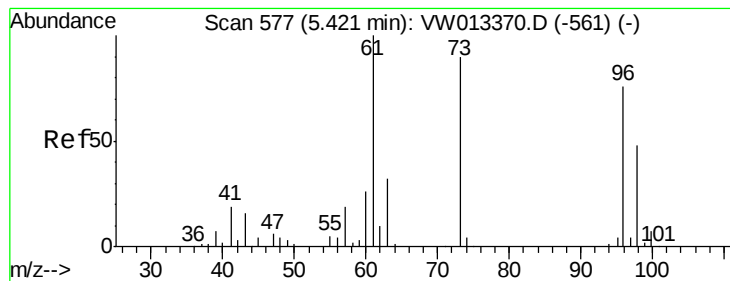
MMDadoda
10/7/2019 8:22:39 AM



#18
Methyl Acetate
Concen: 18.155 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	20.8	31.2





#19

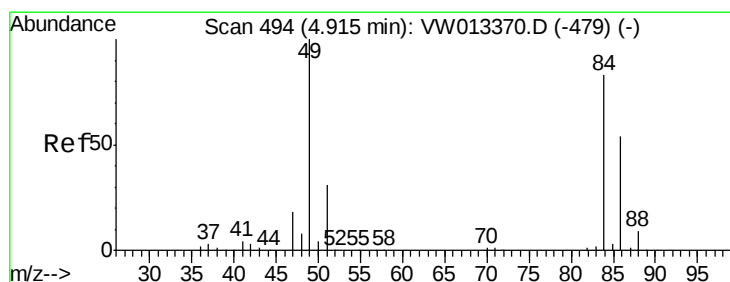
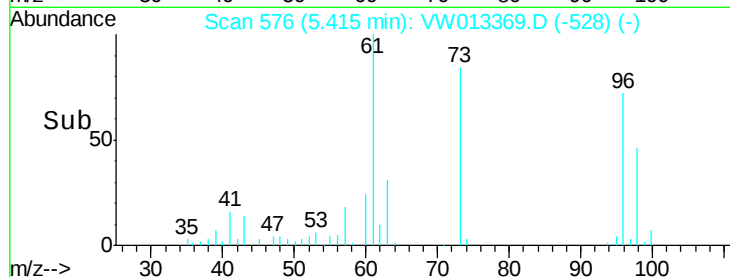
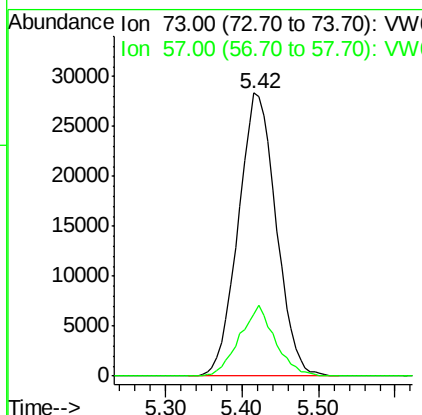
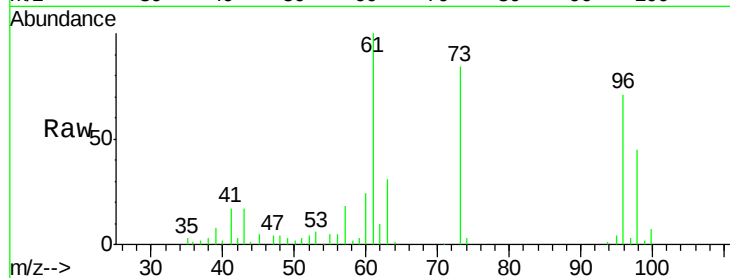
Methyl tert-butyl Ether
 Concen: 19.067 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 73 Resp: 97578
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.1 25.7

Manual Integrations
 APPROVED

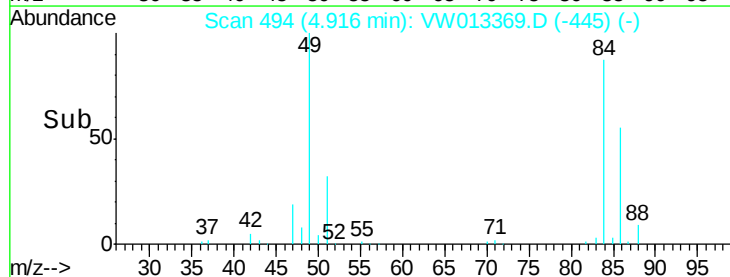
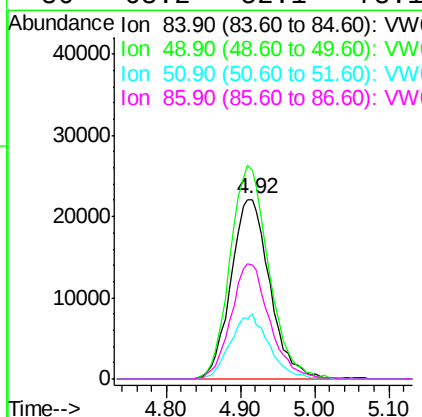
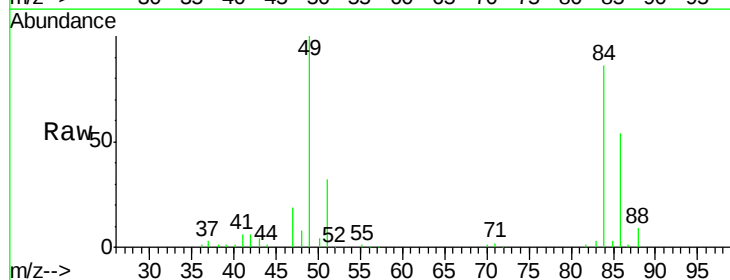
MMDadoda
 10/7/2019 8:22:39 AM

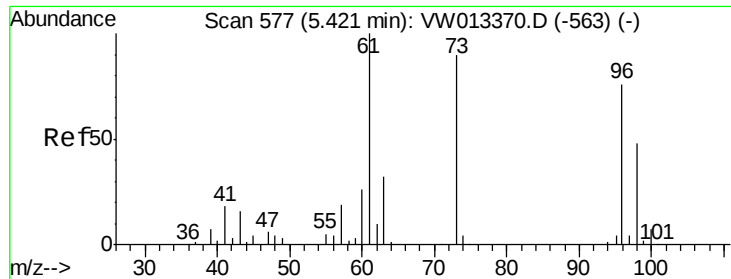


#20

Methylene Chloride
 Concen: 17.908 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 84 Resp: 81161
 Ion Ratio Lower Upper
 84 100
 49 116.4 96.3 144.5
 51 36.7 30.2 45.4
 86 63.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 20.001 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 73671

Ion Ratio Lower Upper

96 100

61 127.6 105.4 158.0

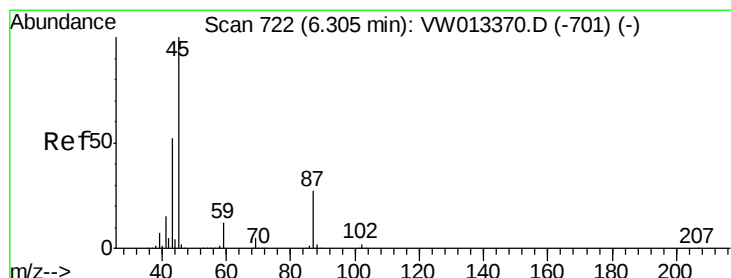
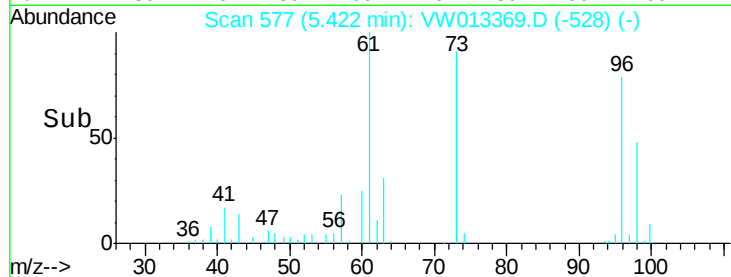
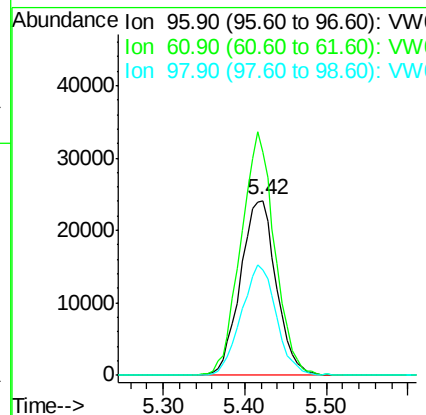
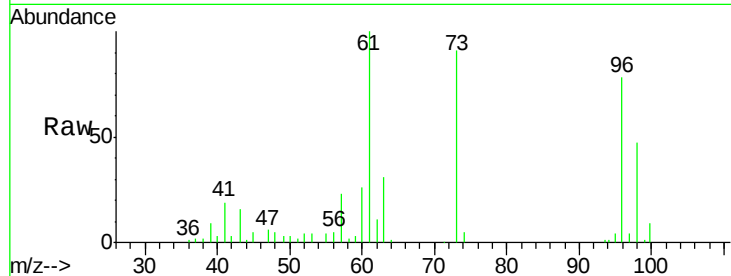
98 60.6 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.265 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion: 45 Resp: 189517

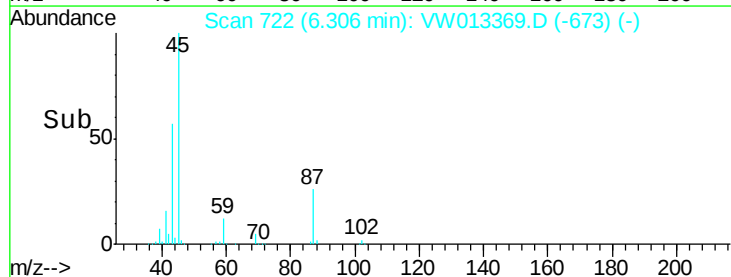
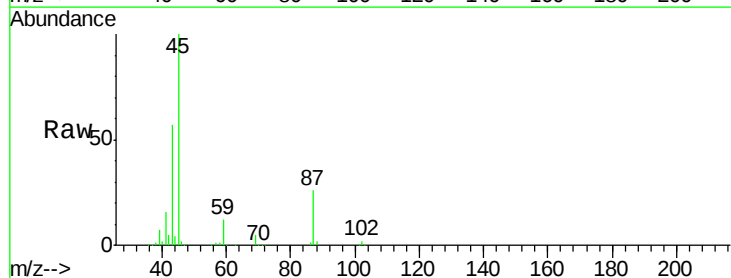
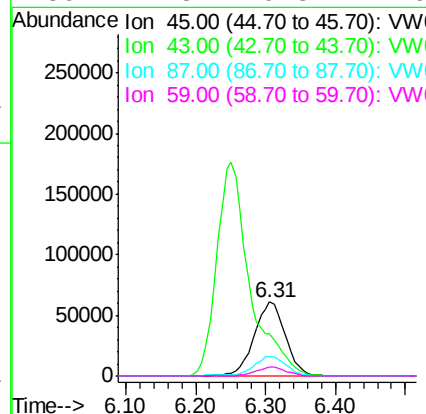
Ion Ratio Lower Upper

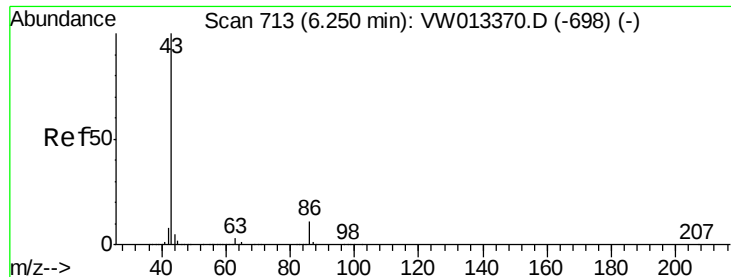
45 100

43 56.3 41.3 61.9

87 25.6 22.1 33.1

59 11.8 9.8 14.6





#23

Vinyl Acetate

Concen: 98.398 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 579063

Ion Ratio Lower Upper

43 100

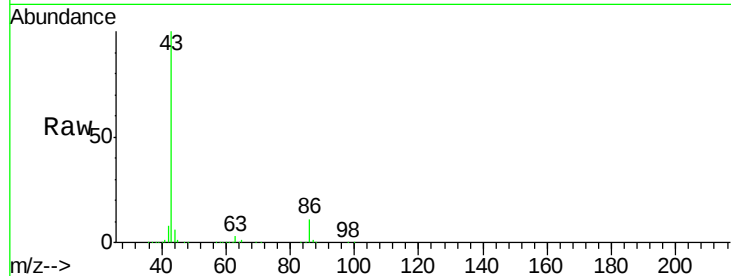
86 11.1 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

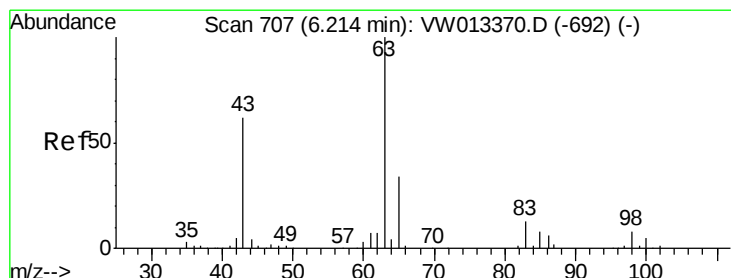
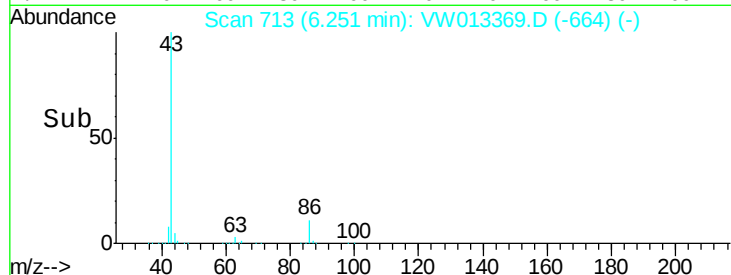
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.426 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

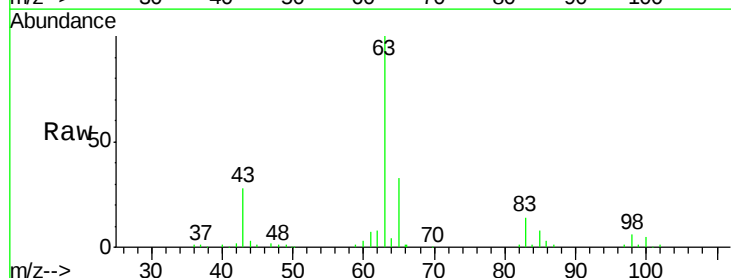
Tgt Ion: 63 Resp: 118084

Ion Ratio Lower Upper

63 100

98 5.9 4.0 12.2

100 4.5 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

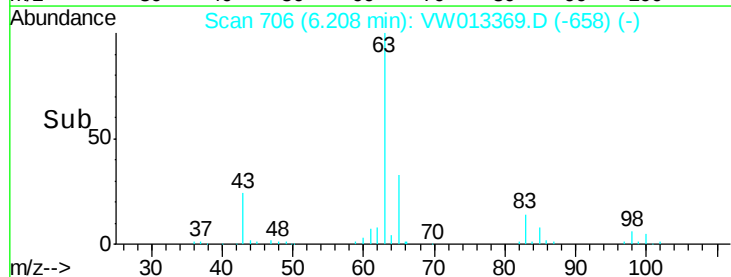
30000

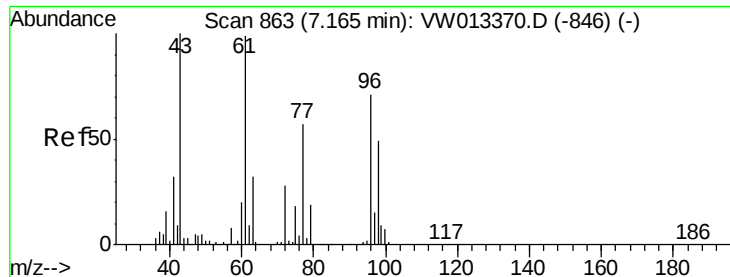
20000

10000

0

Time-->





#25

2-Butanone

Concen: 86.984 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 98748

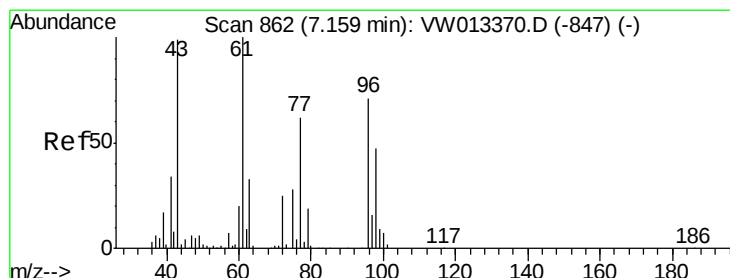
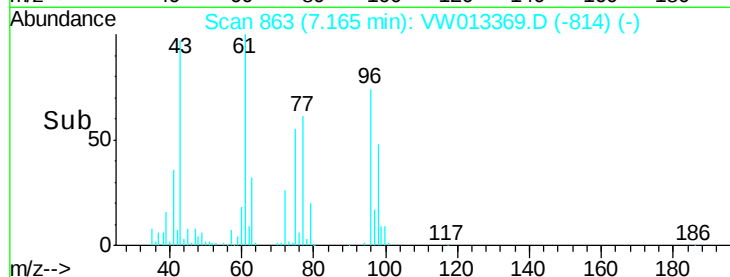
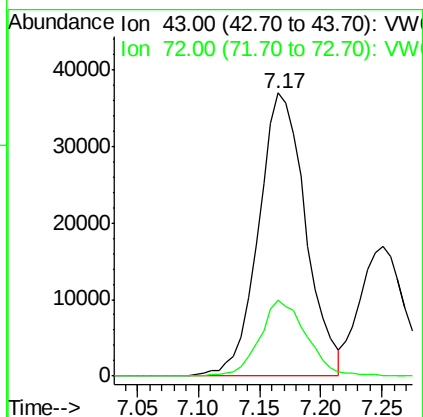
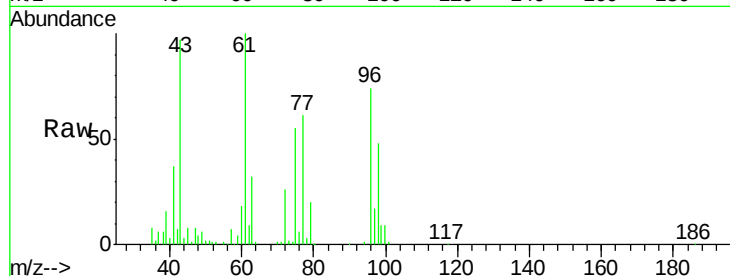
Ion Ratio Lower Upper

43 100

72 26.7 22.6 33.8

Manual Integrations
APPROVED

MMDadoda
10/7/2019 8:22:39 AM



#26

2,2-Dichloropropane

Concen: 17.714 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013369.D

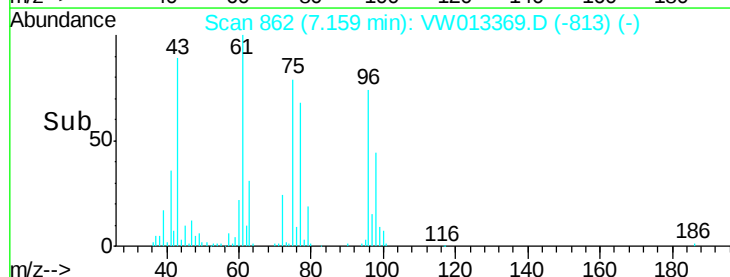
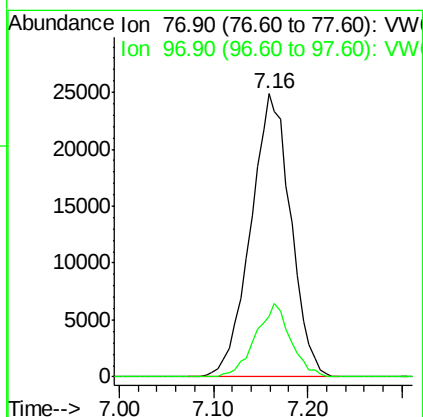
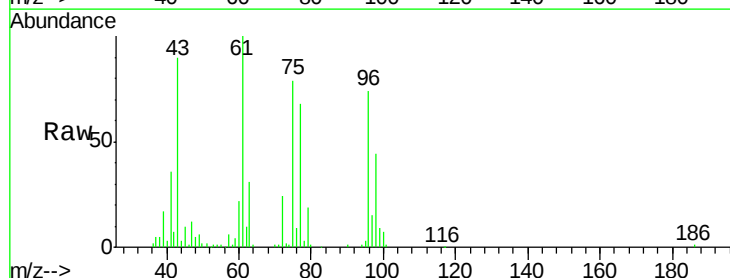
Acq: 01 Oct 2019 13:54

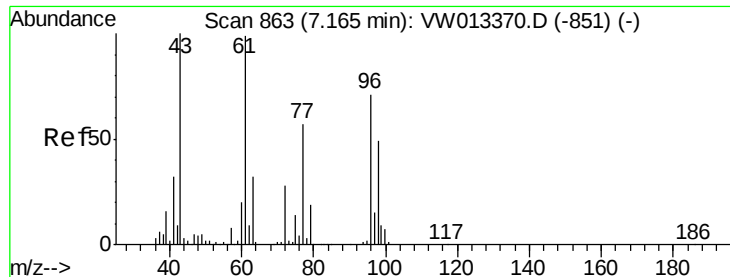
Tgt Ion: 77 Resp: 73942

Ion Ratio Lower Upper

77 100

97 22.8 12.3 36.8





#27

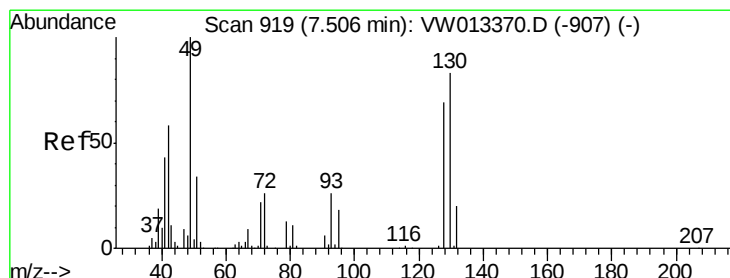
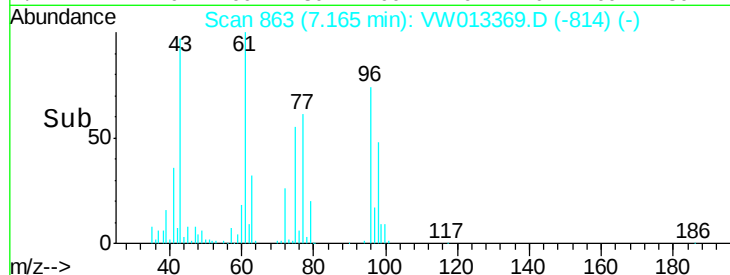
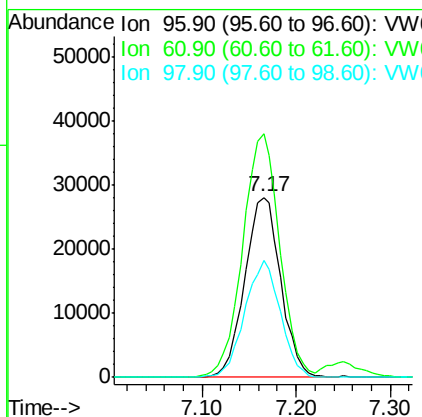
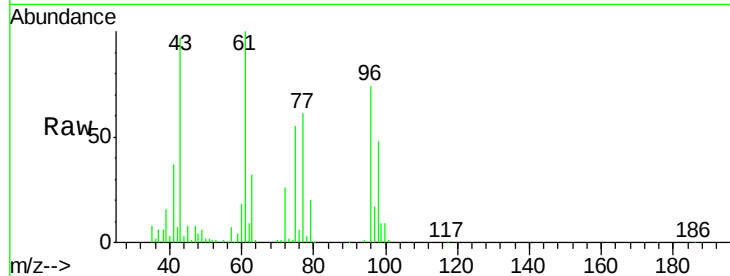
cis-1,2-Dichloroethene
Concen: 19.398 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	273.2
98	64.1	0.0	130.0

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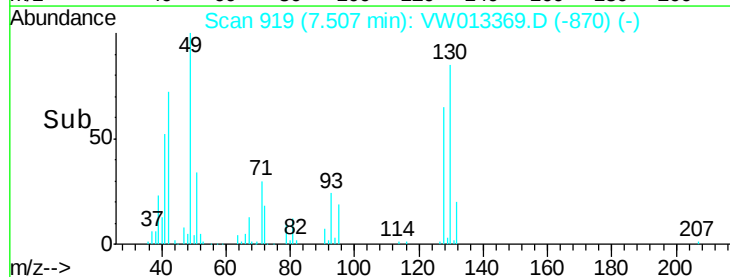
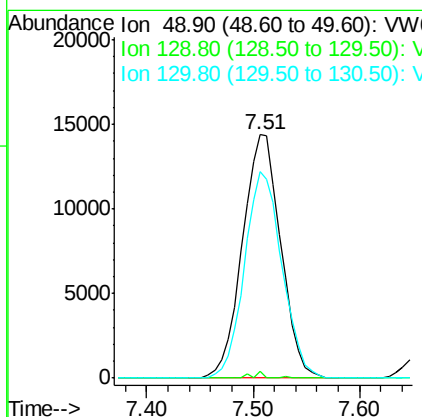
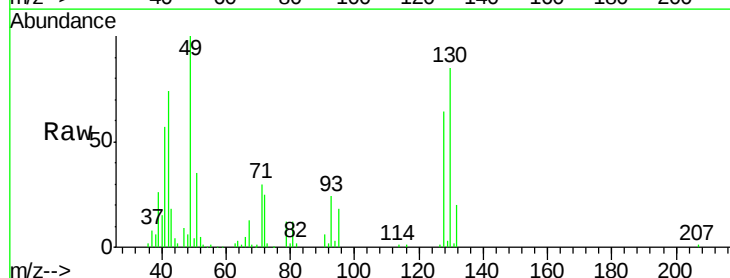
MMDadoda
10/7/2019 8:22:39 AM

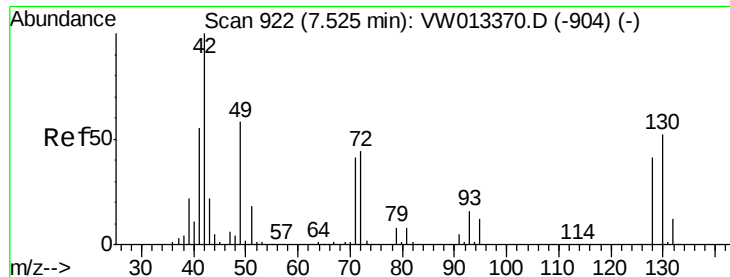


#28

Bromochloromethane
Concen: 17.390 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	0.8
130	83.3	68.3	102.5





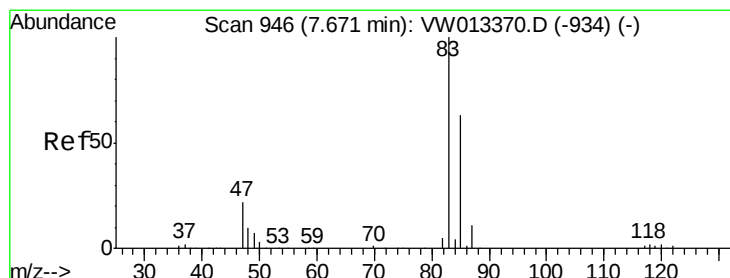
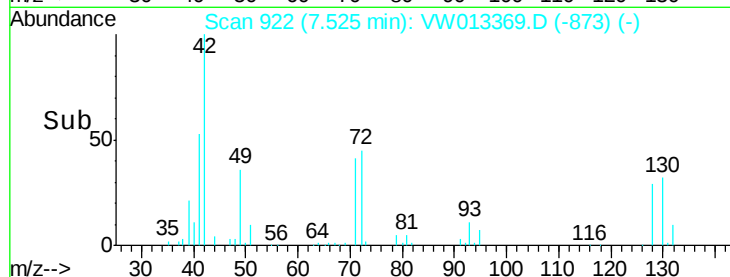
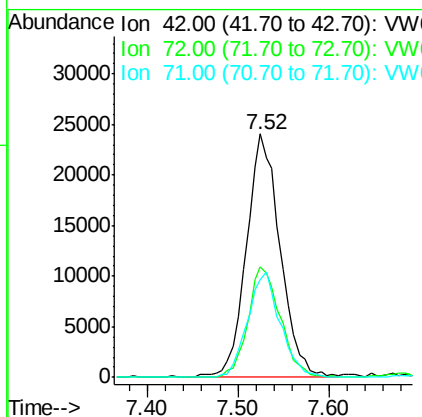
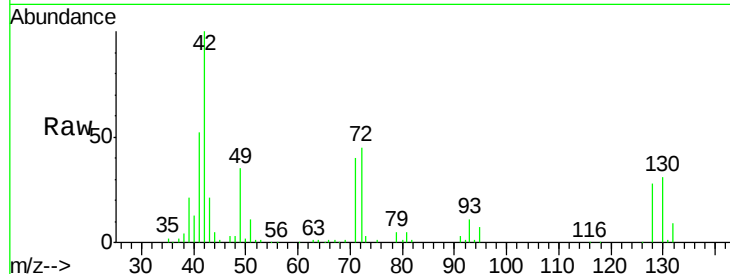
#29
Tetrahydrofuran
Concen: 94.375 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.4
71	41.8	33.1	49.7

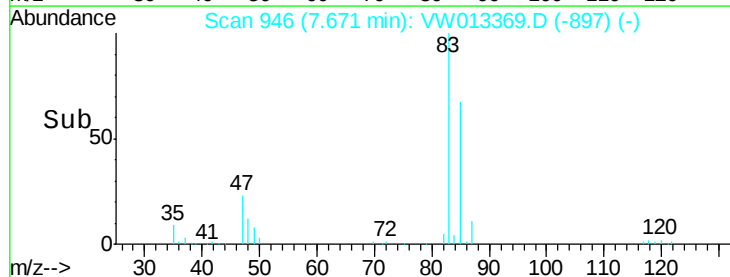
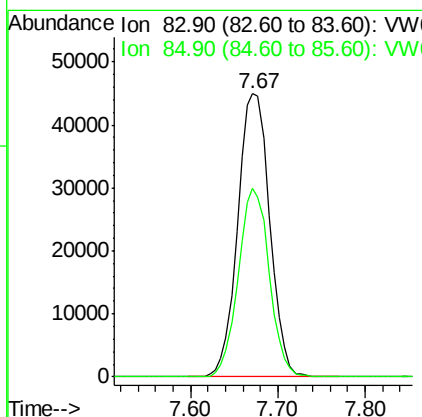
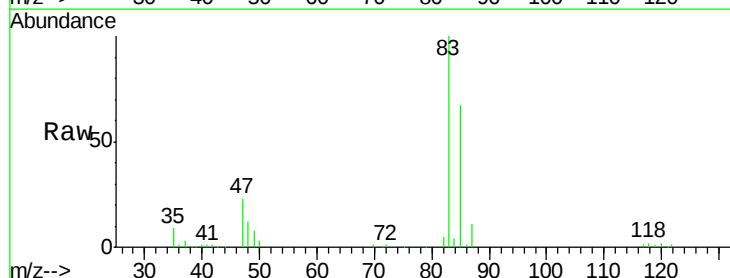
Manual Integrations
APPROVED

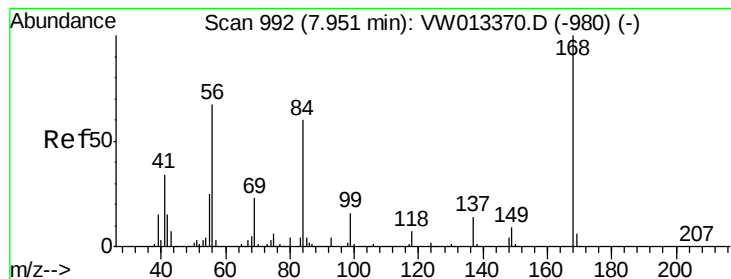
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#30
Chloroform
Concen: 19.204 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.6	76.0





#31

Cyclohexane

Concen: 19.158 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

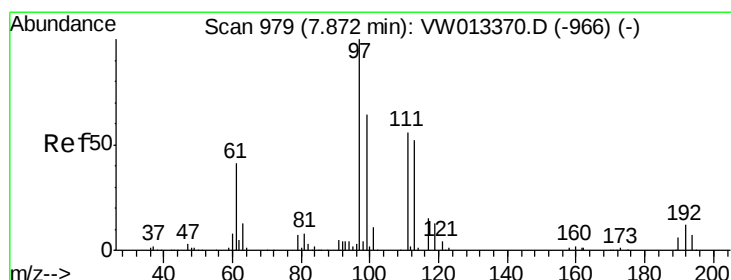
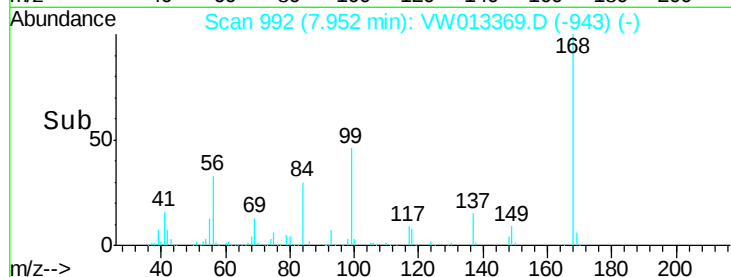
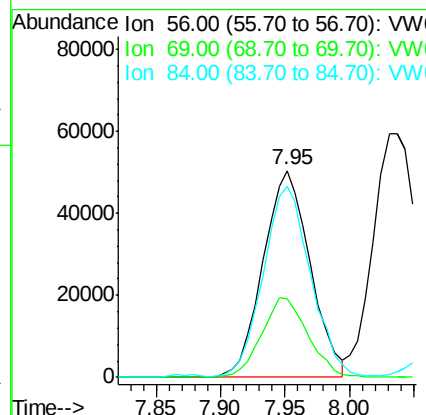
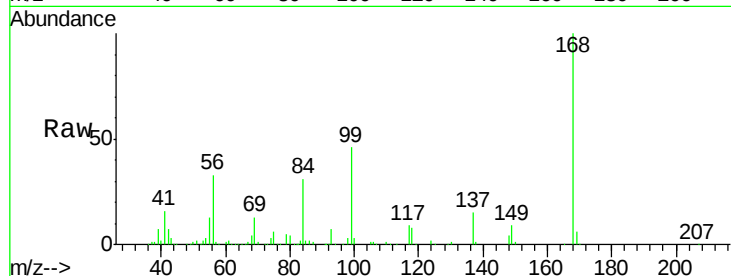
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	127666
Ion	Ratio	Lower	Upper
56	100		
69	37.9	27.5	41.3
84	91.5	71.4	107.0

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#32

1,1,1-Trichloroethane

Concen: 19.686 ug/l

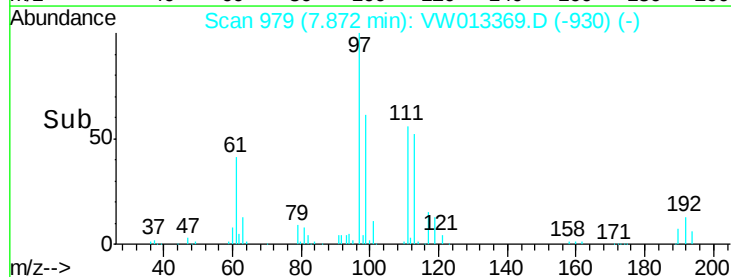
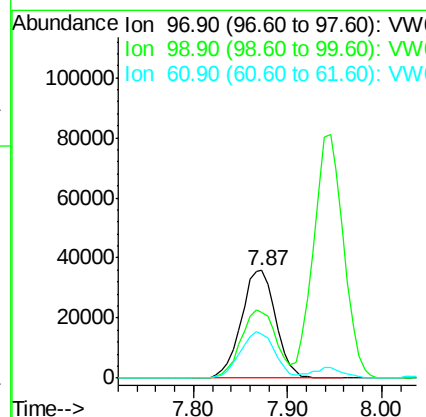
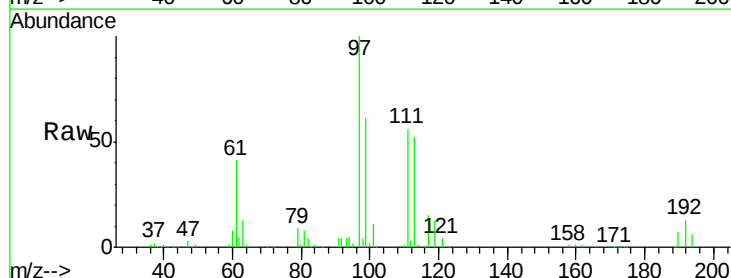
RT: 7.87 min Scan# 979

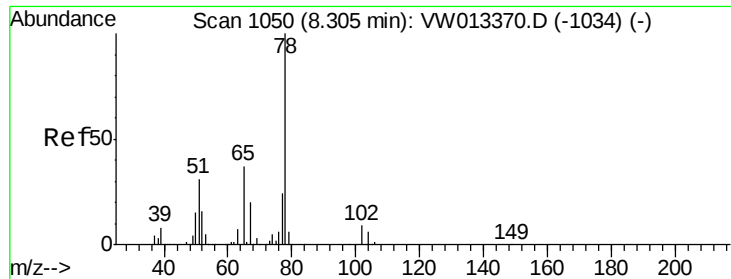
Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion:	97	Resp:	91653
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	43.0	33.0	49.4





#33

1,2-Dichloroethane-d4

Concen: 19.104 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 53389

Ion Ratio Lower Upper

65 100

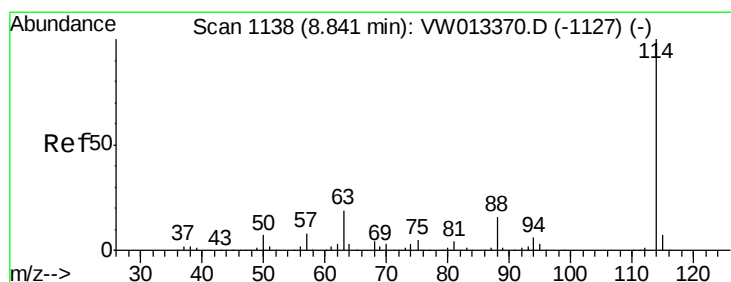
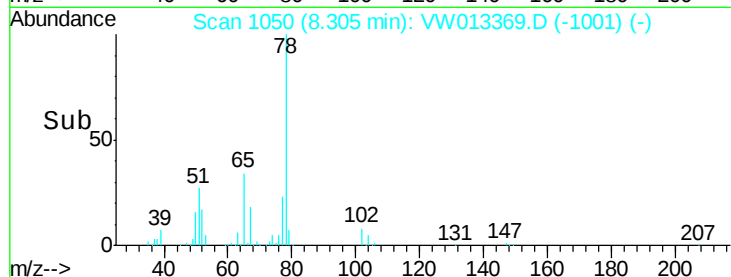
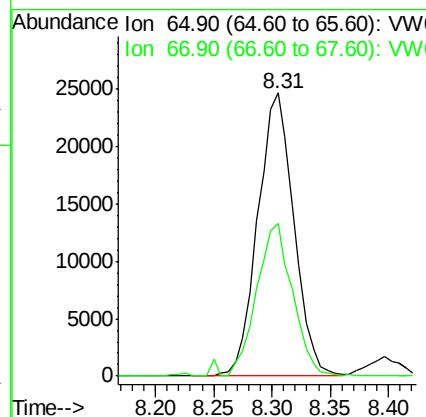
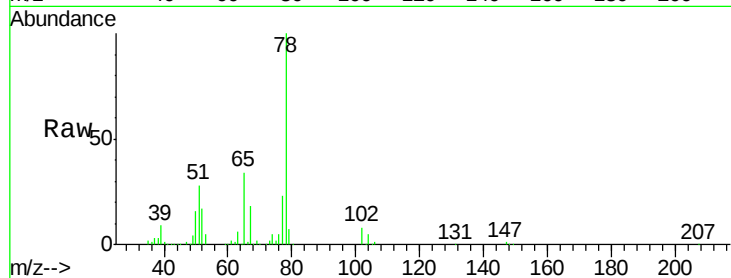
67 53.9 0.0 109.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

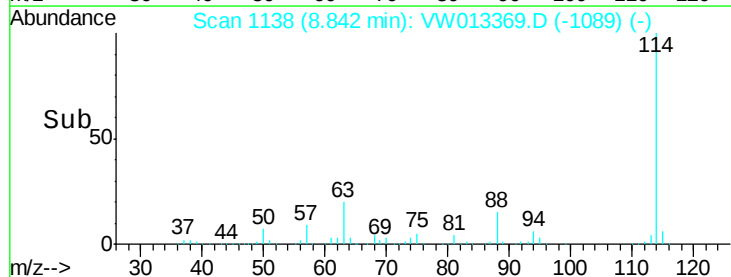
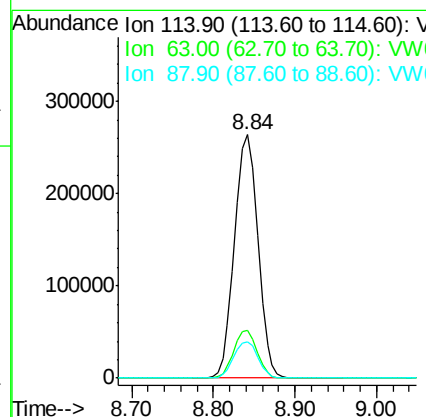
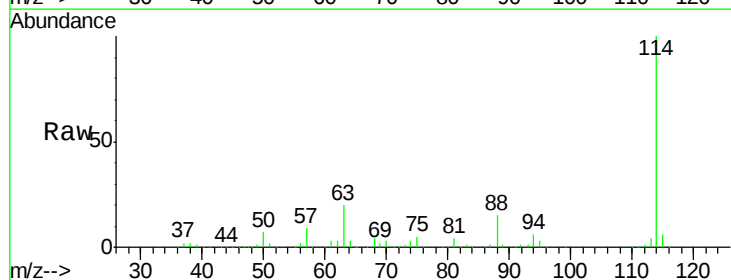
Tgt Ion: 114 Resp: 522954

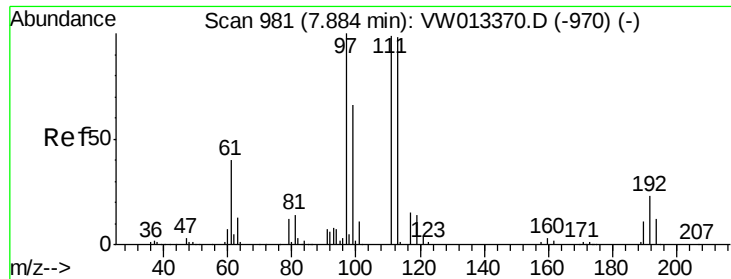
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 15.2 0.0 31.2





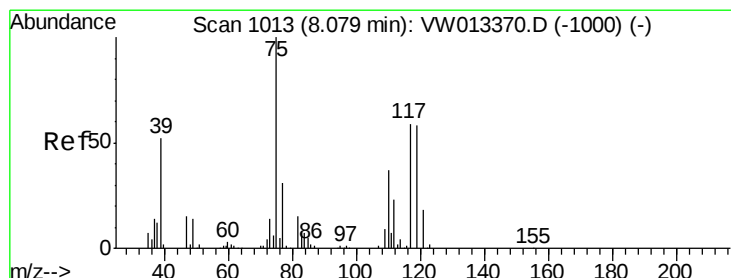
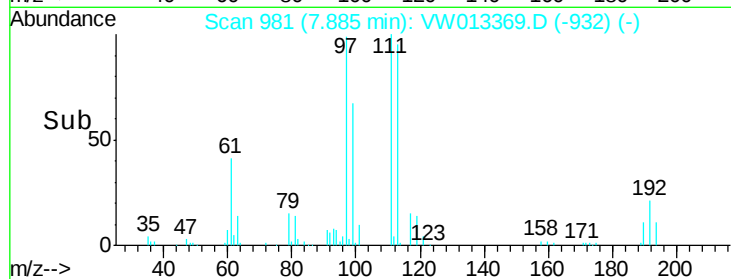
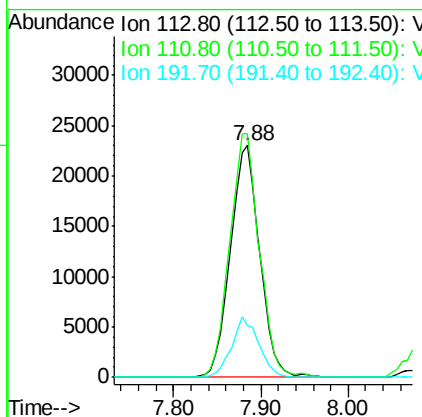
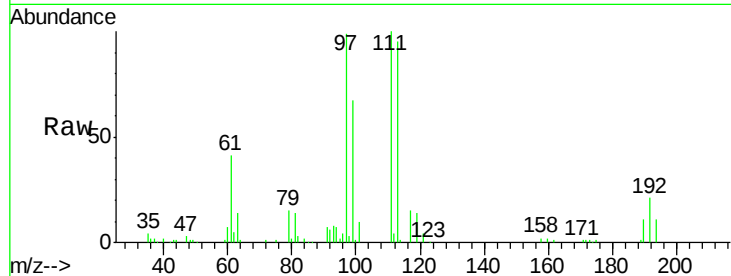
#35
Dibromofluoromethane
Concen: 19.134 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.0	80.9	121.3
192	24.1	19.1	28.7

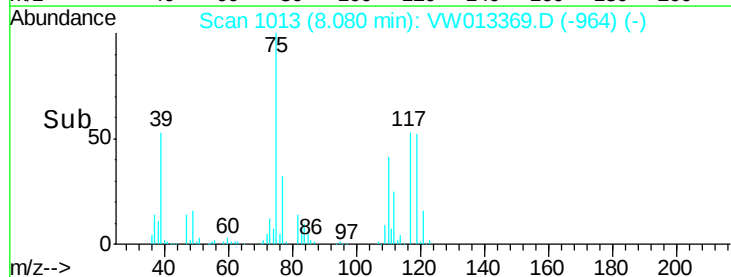
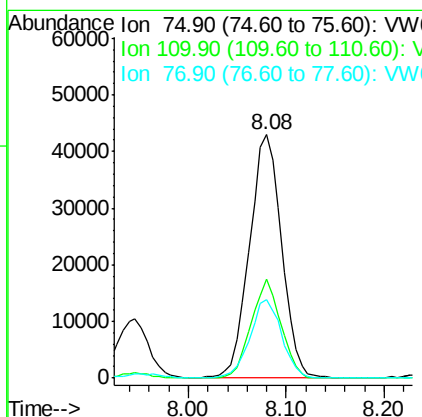
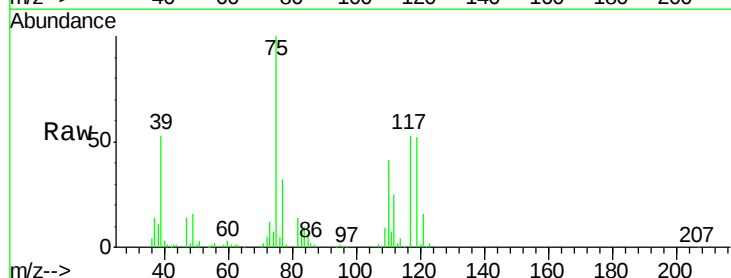
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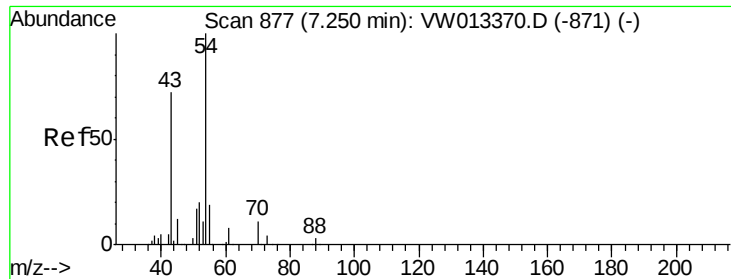
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#36
1,1-Dichloropropene
Concen: 19.310 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	17.9	53.8
77	32.0	25.0	37.4





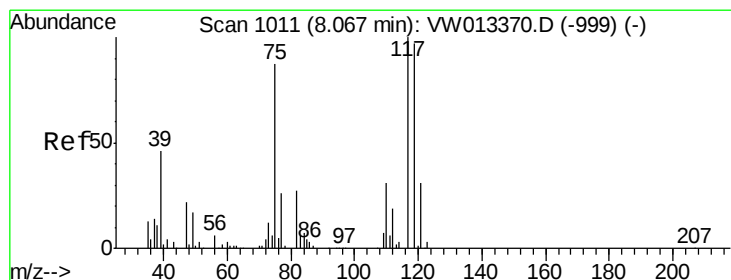
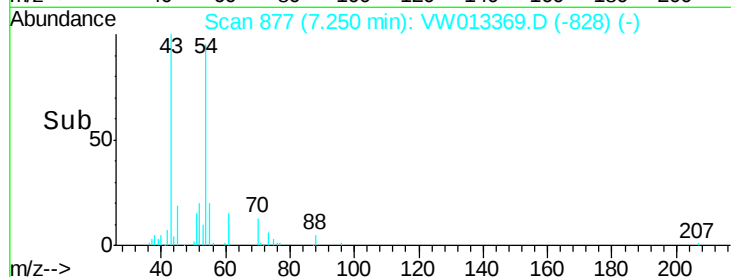
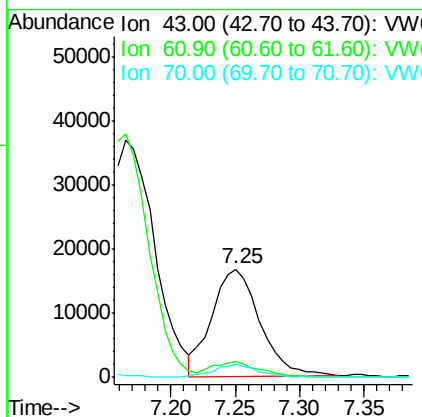
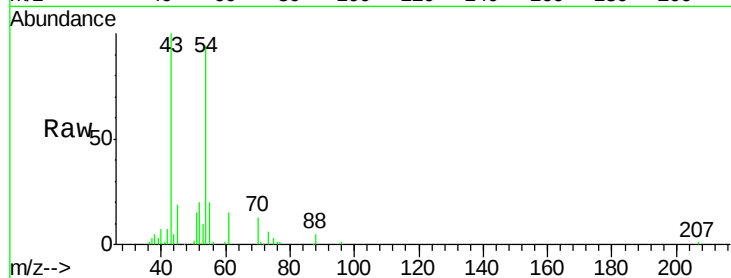
#37
Ethyl Acetate
Concen: 17.067 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.4	17.2
70	10.9	9.3	13.9

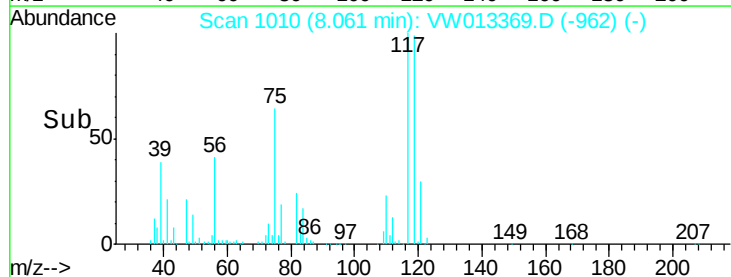
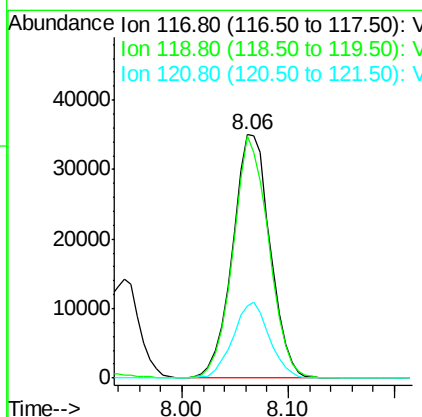
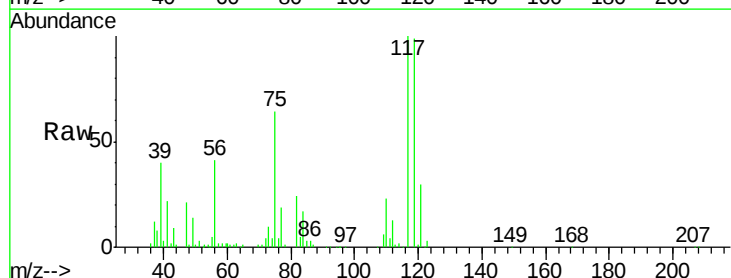
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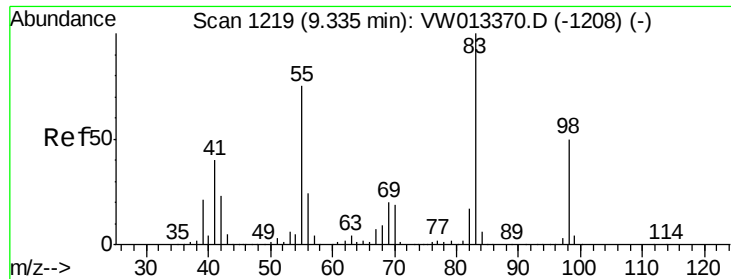
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#38
Carbon Tetrachloride
Concen: 19.978 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.3	115.9
121	29.8	24.7	37.1





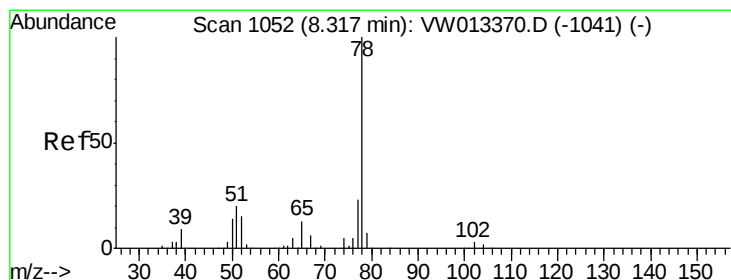
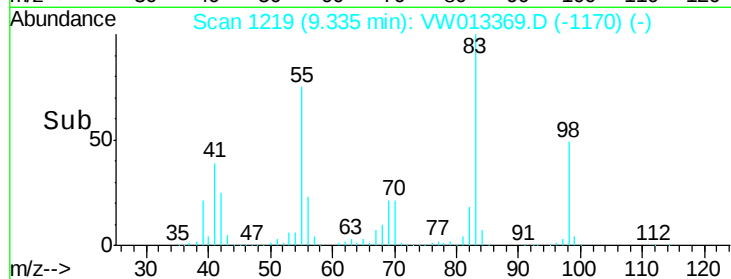
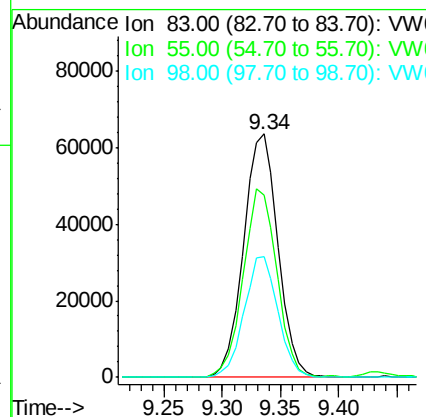
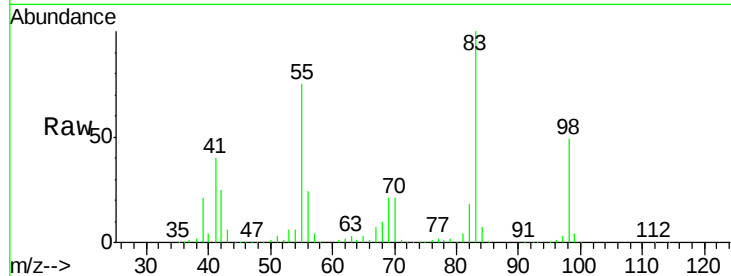
#39
Methvlcvclohexane
Concen: 19.787 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	59.9	89.9
98	49.4	40.3	60.5

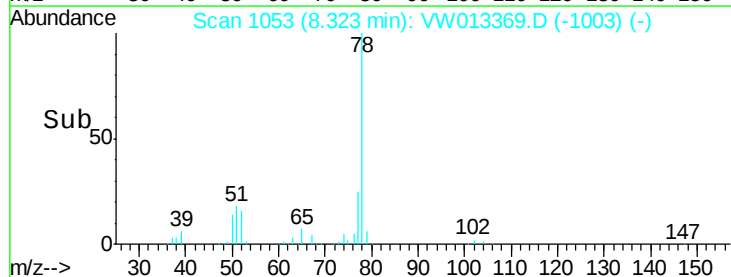
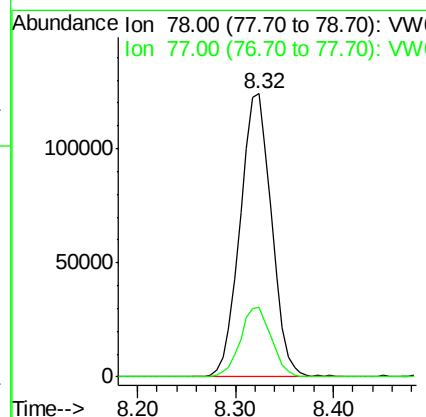
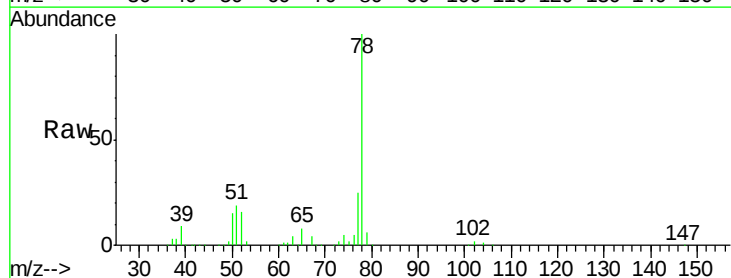
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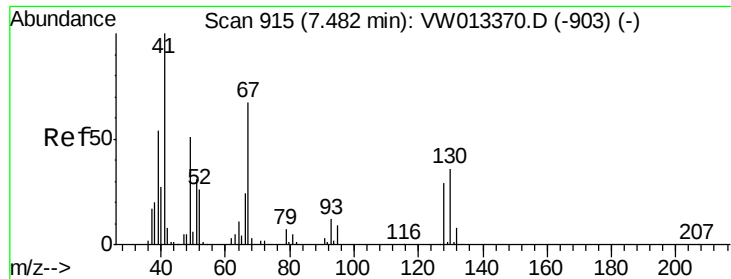
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#40
Benzene
Concen: 19.346 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.4	27.6





#41

Methacrylonitrile

Concen: 9.333 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

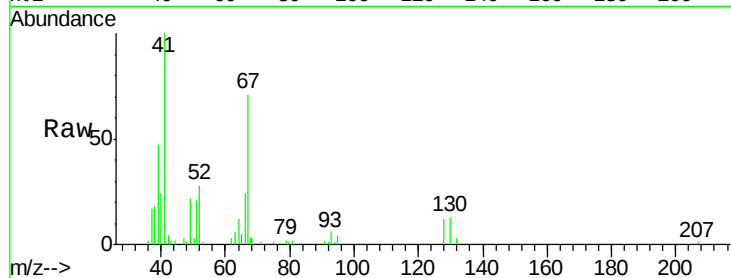
ClientSampleId :

VSTDIC020

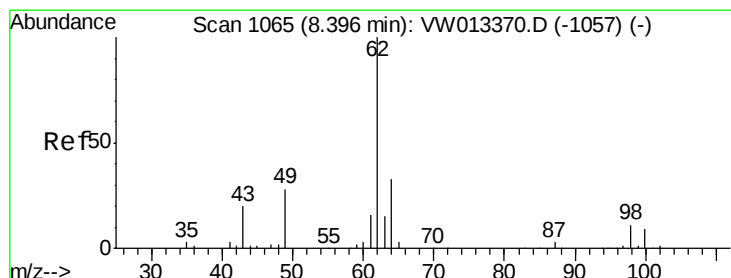
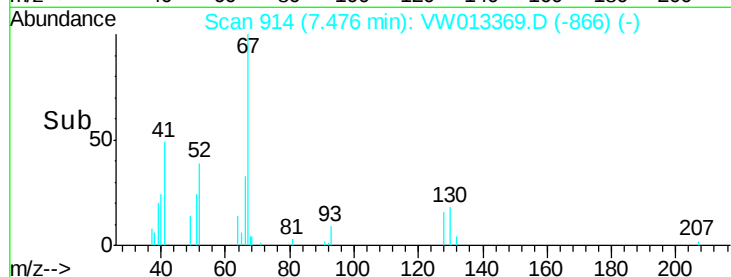
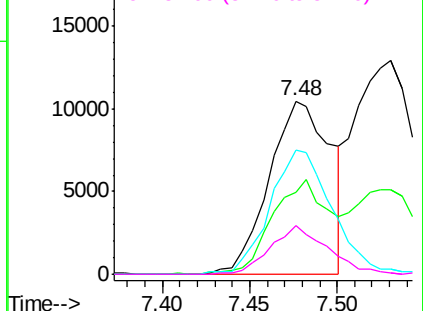
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25655		
39	50.6	40.7	61.1		
67	72.2	54.7	82.1		
52	26.1	21.4	32.2		

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.347 ug/l

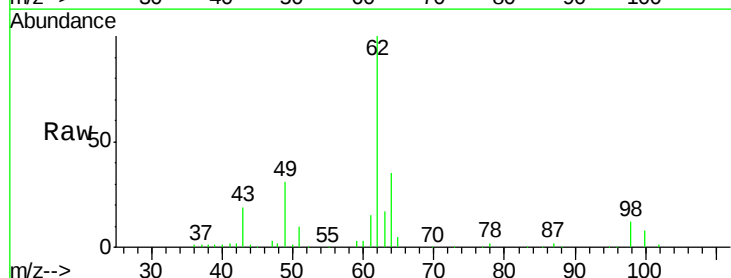
RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

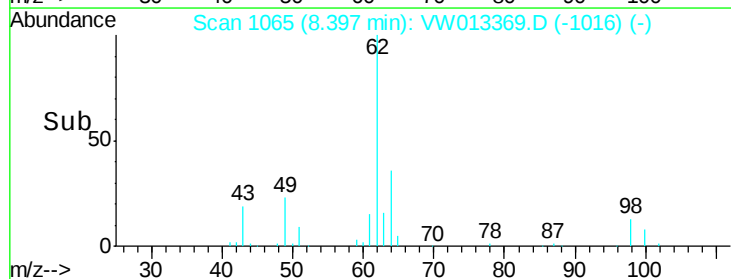
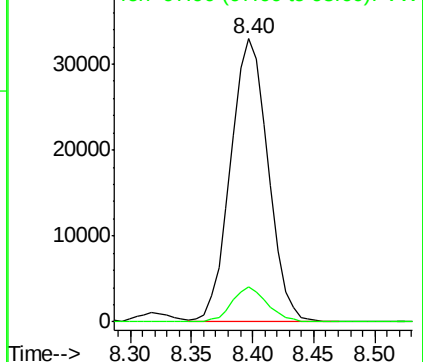
Lab File: VW013369.D

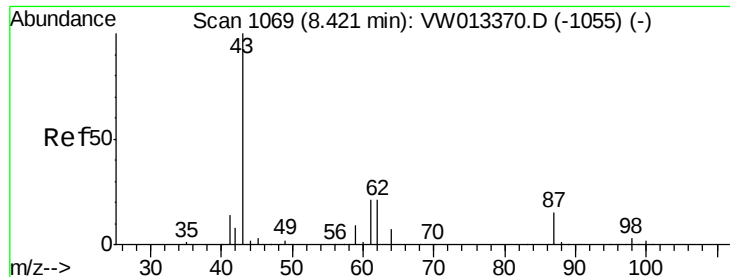
Acq: 01 Oct 2019 13:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		70159		
98	11.5	0.0	22.2		



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.984 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

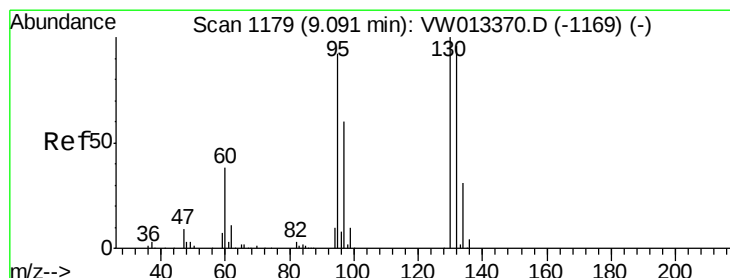
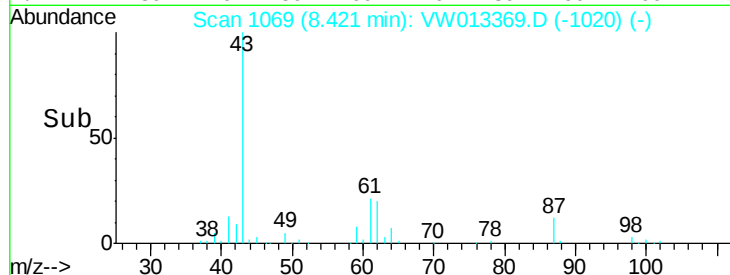
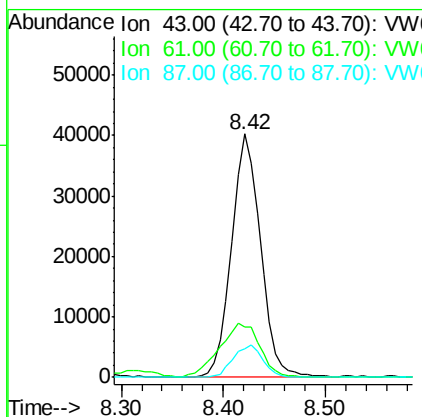
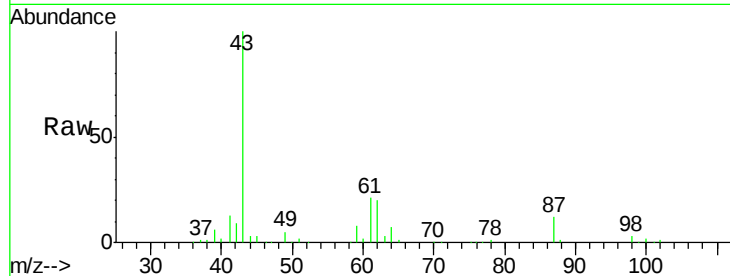
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	79557
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.8	37.2
87	13.6	11.3	16.9

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#44

Trichloroethene

Concen: 19.568 ug/l

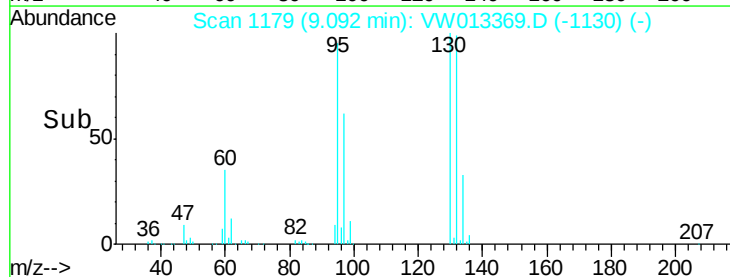
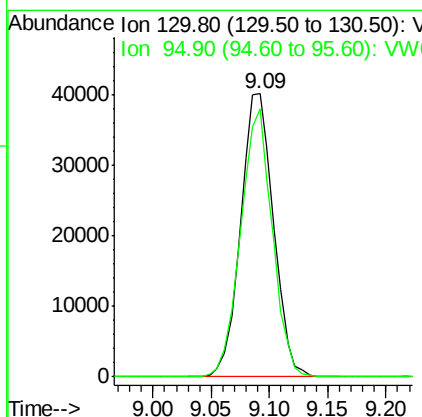
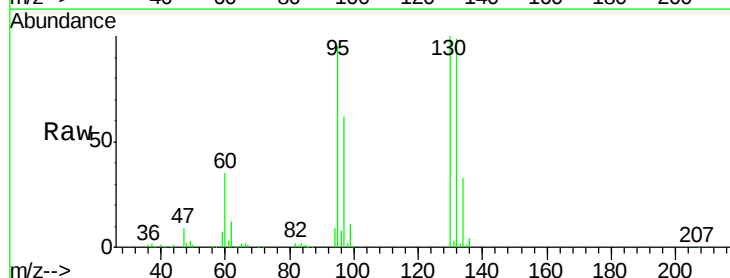
RT: 9.09 min Scan# 1179

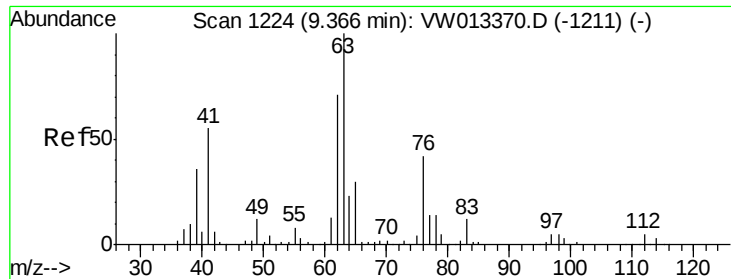
Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion:	130	Resp:	78996
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	183.8





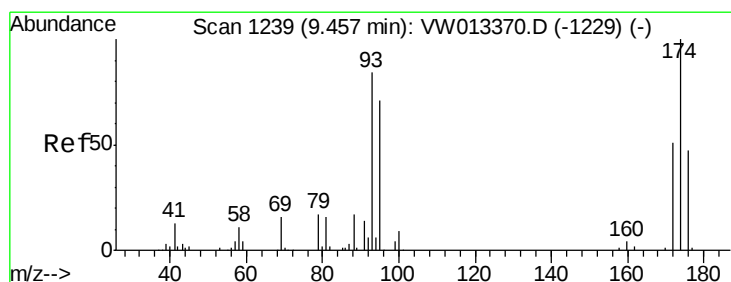
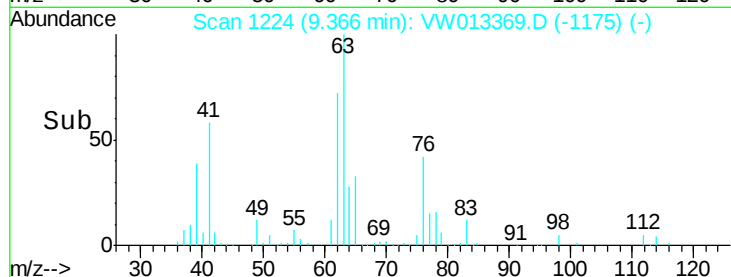
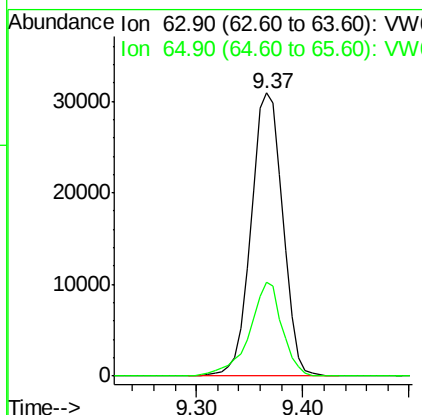
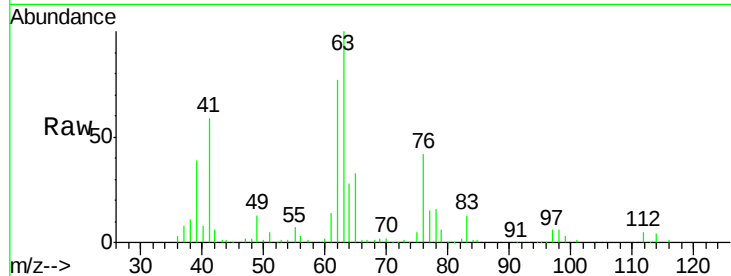
#45
 1,2-Dichloropropane
 Concen: 19.112 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 64684
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.2 36.4

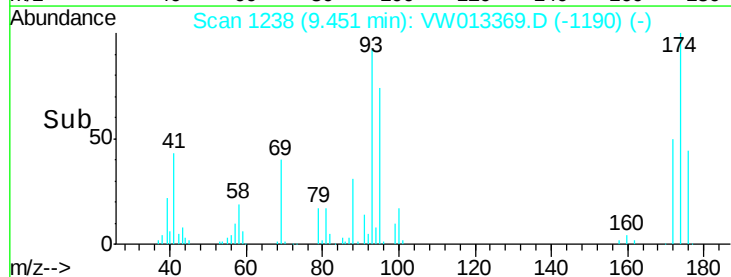
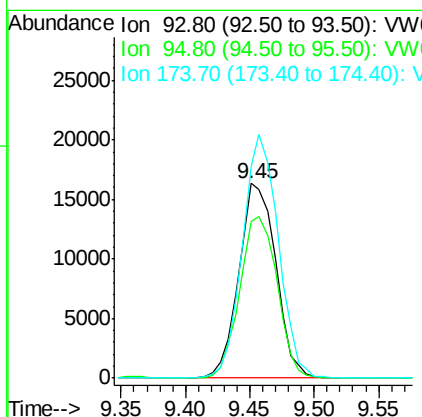
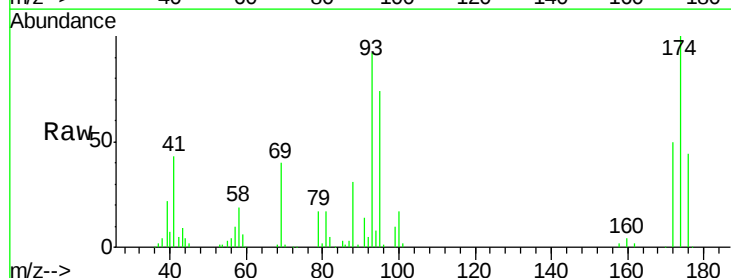
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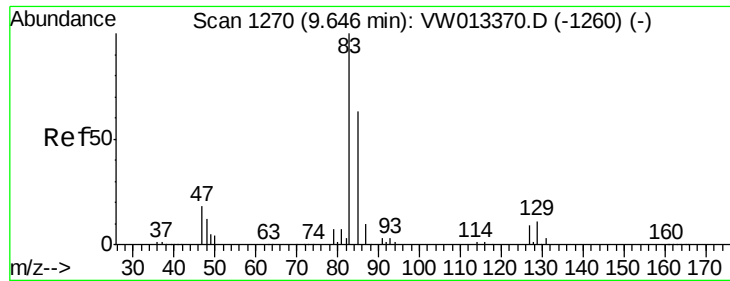
MMDadoda
 10/7/2019 8:22:39 AM



#46
 Dibromomethane
 Concen: 19.102 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 93 Resp: 32469
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.8 98.8
 174 121.2 95.0 142.6





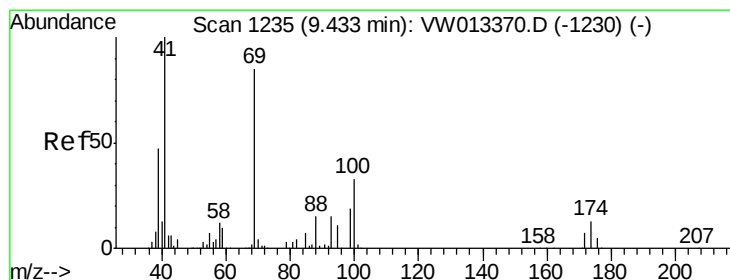
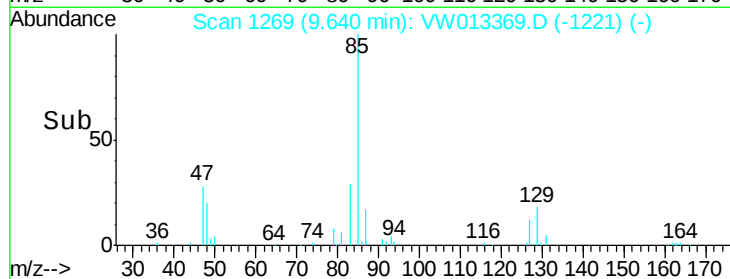
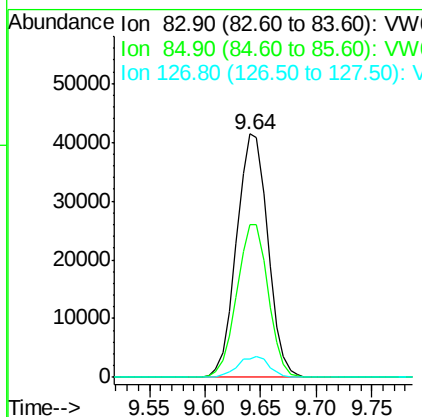
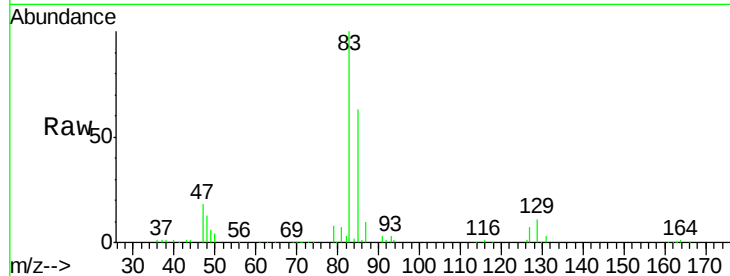
#47
Bromodichloromethane
Concen: 19.626 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	80754
Ion Ratio	100	Lower	Upper
83	100		
85	62.6	50.4	75.6
127	7.4	7.0	10.6

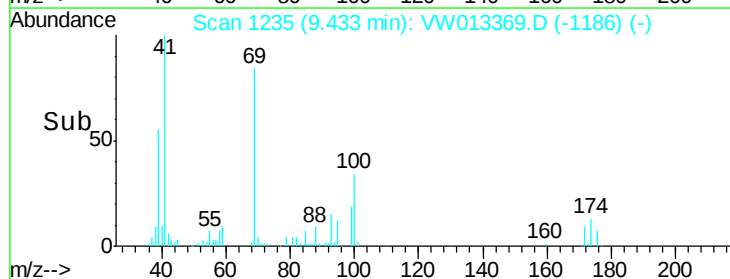
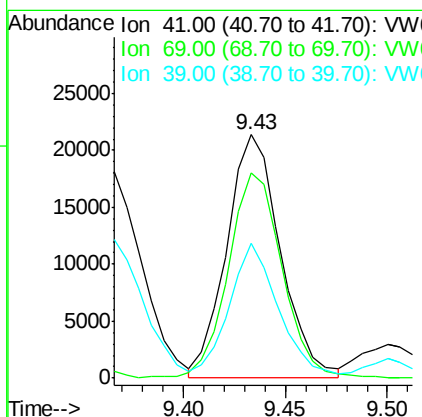
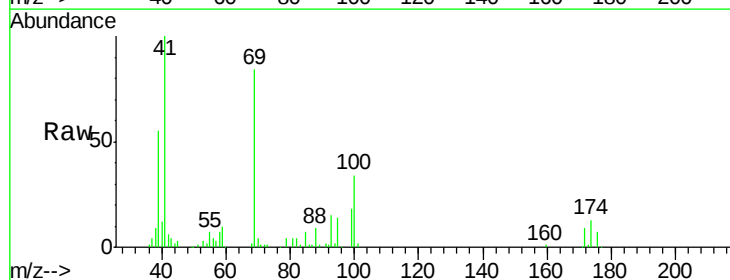
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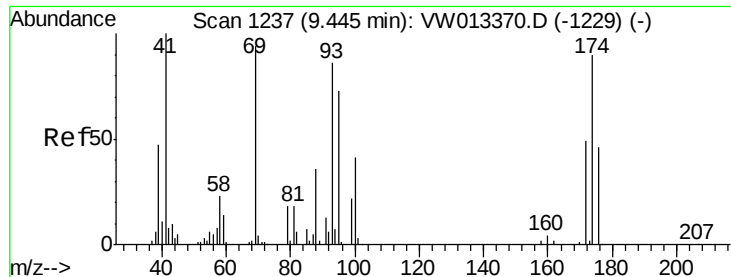
MMDadoda
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#48
Methyl methacrylate
Concen: 19.940 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	41	Resp	39035
Ion Ratio	100	Lower	Upper
41	100		
69	85.0	70.8	106.2
39	47.4	39.1	58.7





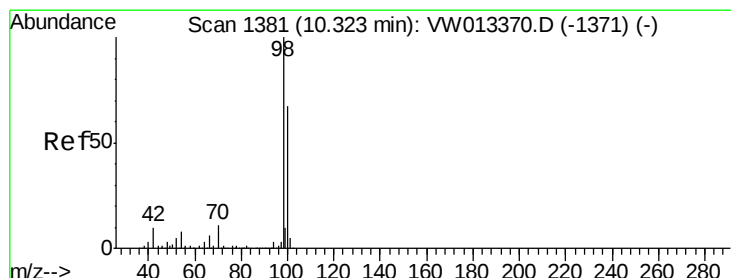
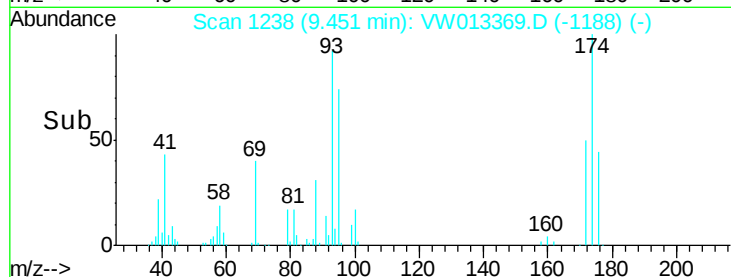
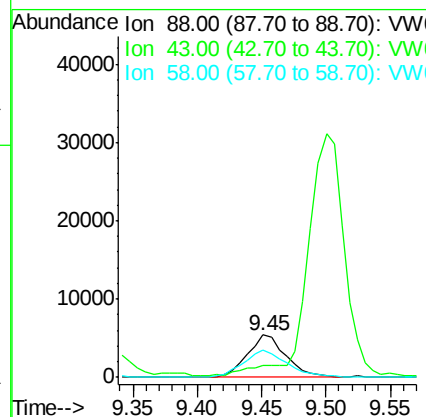
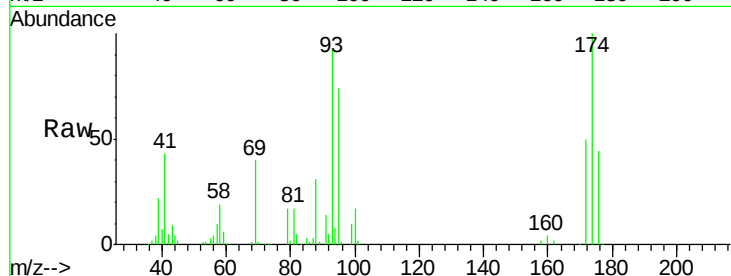
#49
1,4-Dioxane
Concen: 371.748 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.1	34.7#
58	72.6	57.3	85.9

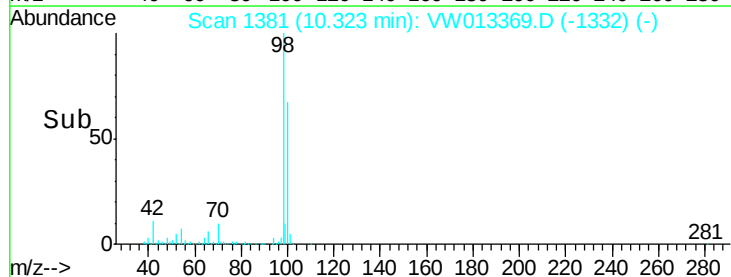
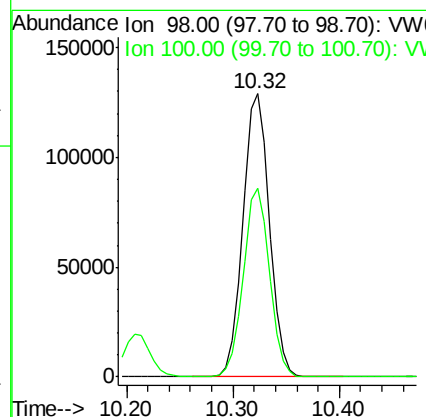
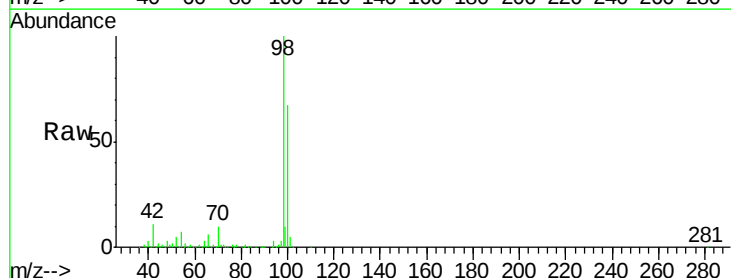
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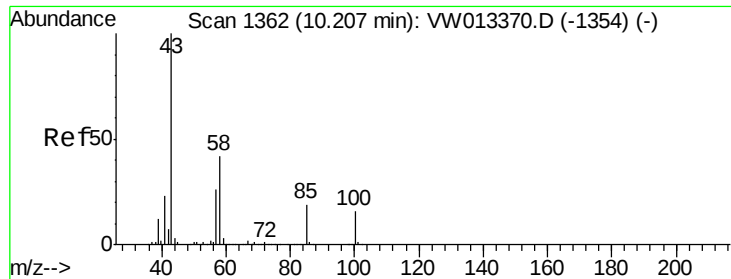
MMDadoda
10/7/2019 8:22:39 AM



#50
Toluene-d8
Concen: 19.500 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 91.530 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 206722

Ion Ratio Lower Upper

43 100

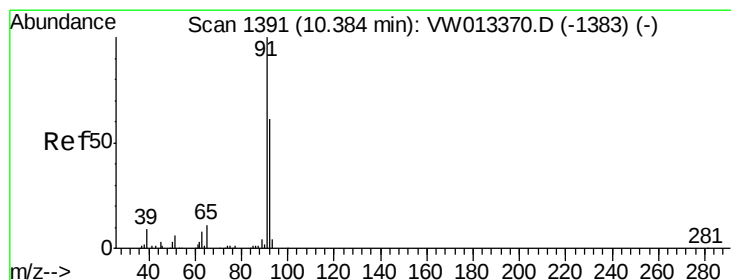
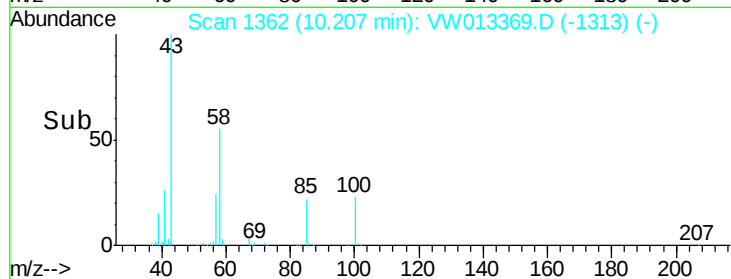
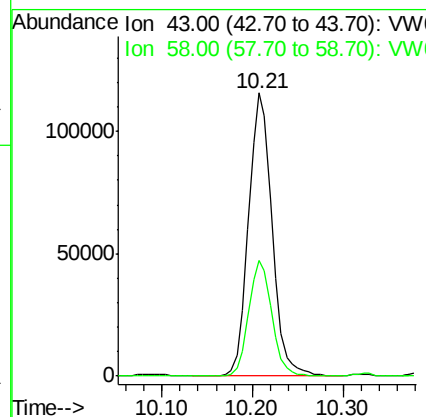
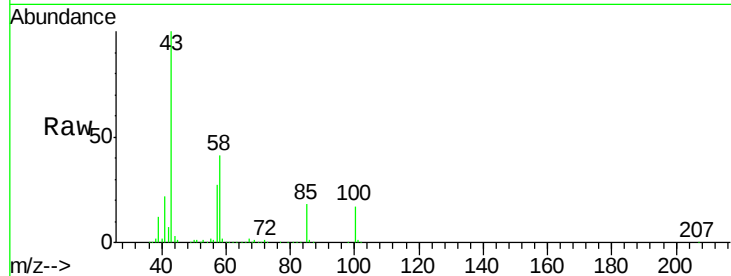
58 40.4 32.9 49.3

Manual Integrations

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#52

Toluene

Concen: 19.520 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013369.D

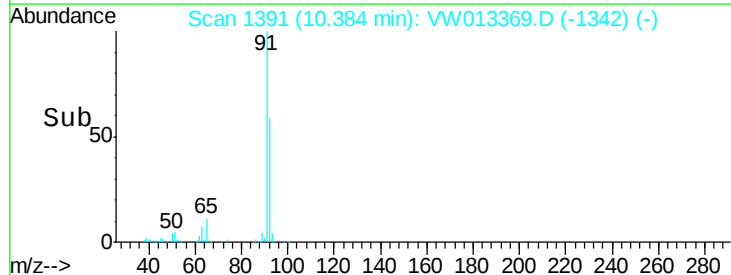
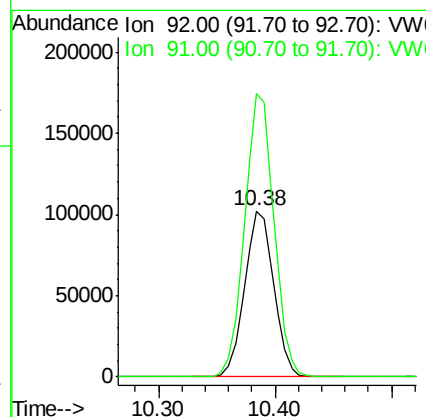
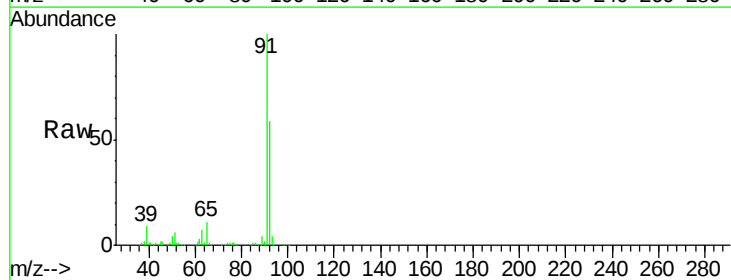
Acq: 01 Oct 2019 13:54

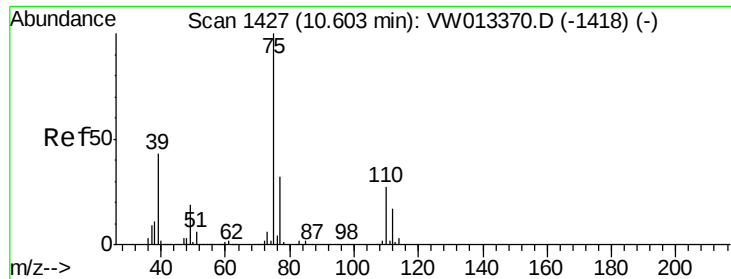
Tgt Ion: 92 Resp: 178280

Ion Ratio Lower Upper

92 100

91 172.1 134.8 202.2





#53

t-1,3-Dichloropropene

Concen: 19.531 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 81273

Ion Ratio Lower Upper

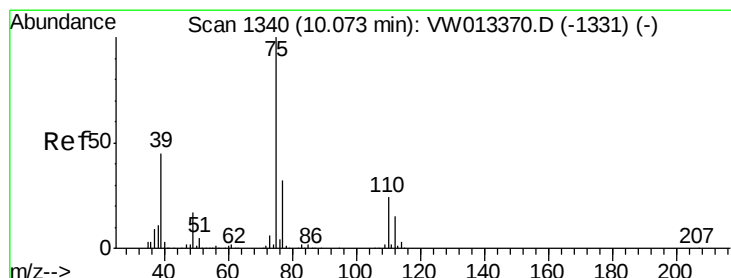
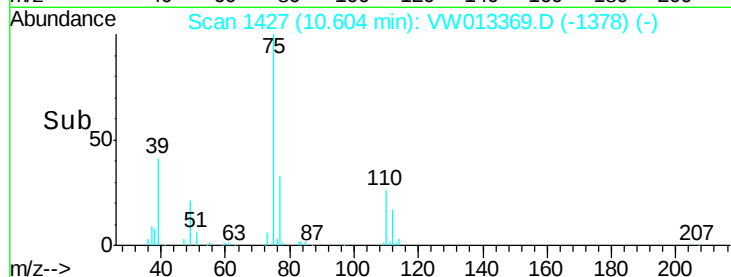
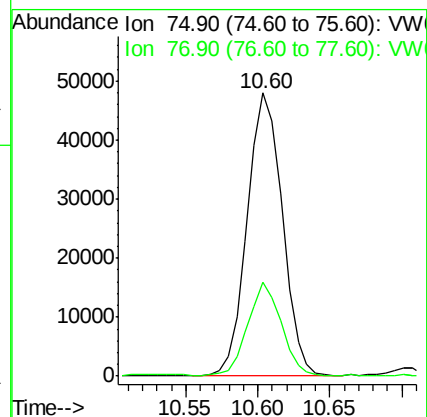
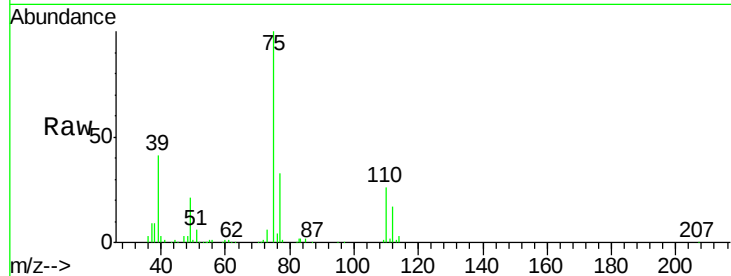
75 100

77 32.8 25.6 38.4

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.557 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

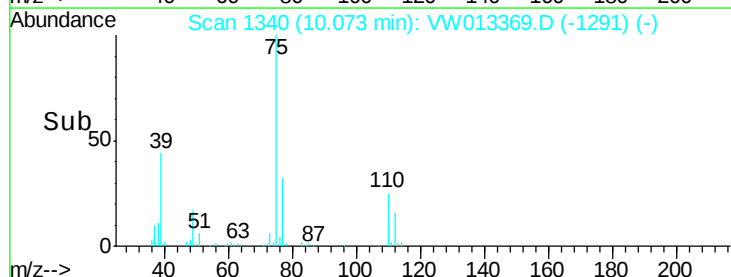
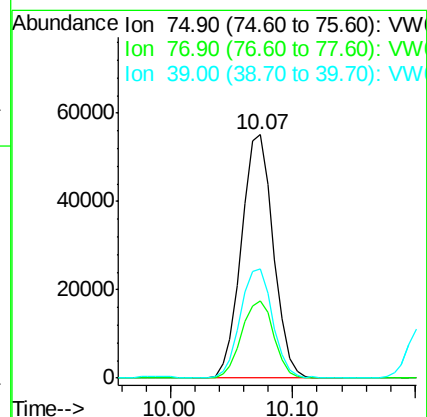
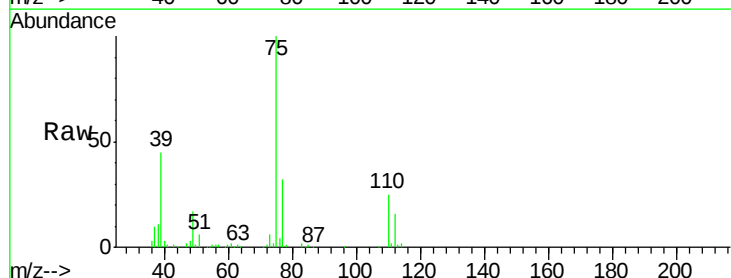
Tgt Ion: 75 Resp: 99931

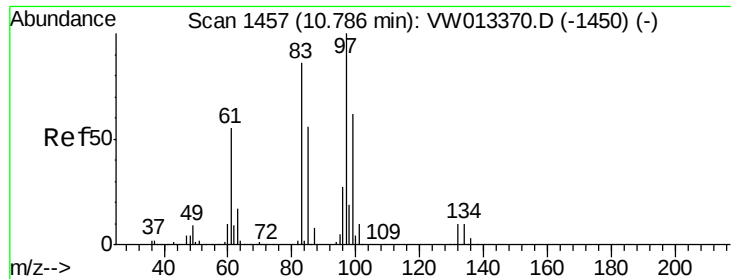
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 45.1 36.3 54.5





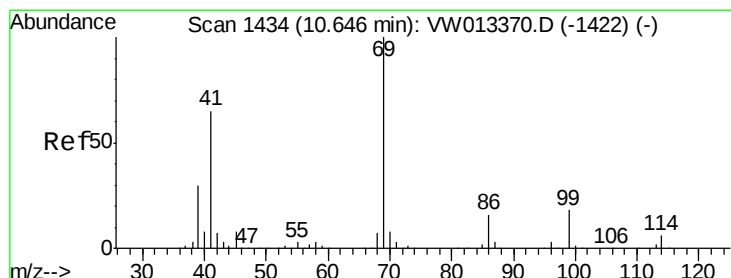
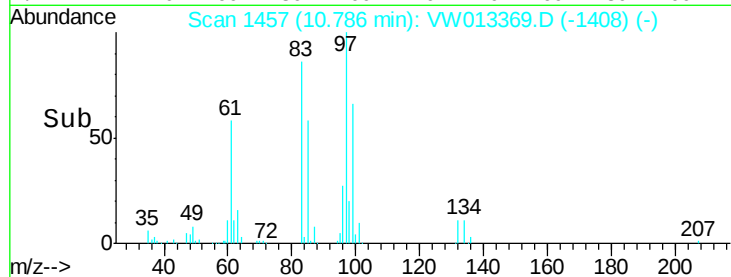
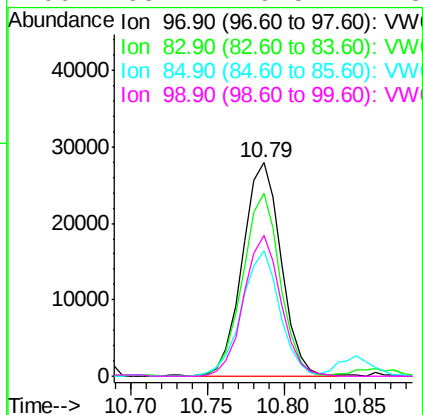
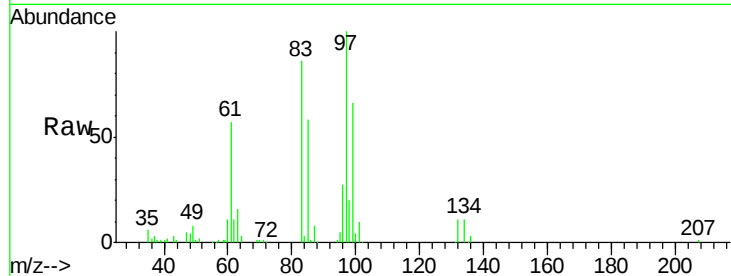
#55
 1,1,2-Trichloroethane
 Concen: 19.412 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.2	103.8
85	58.5	44.5	66.7
99	65.7	49.5	74.3

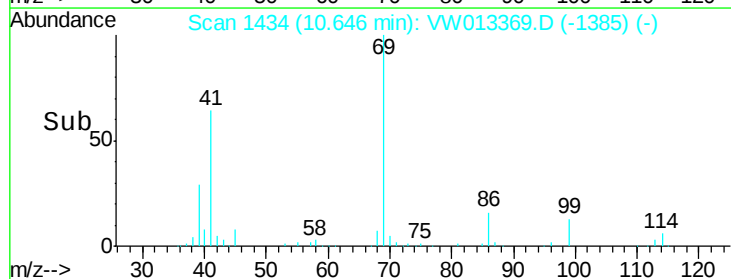
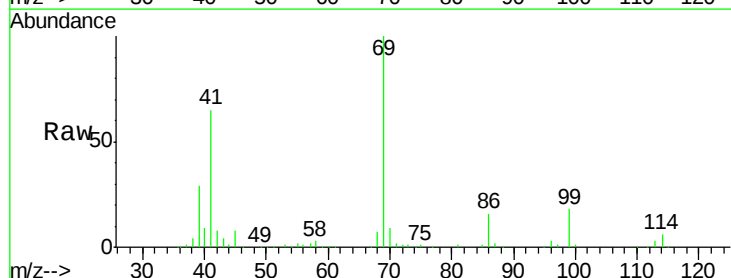
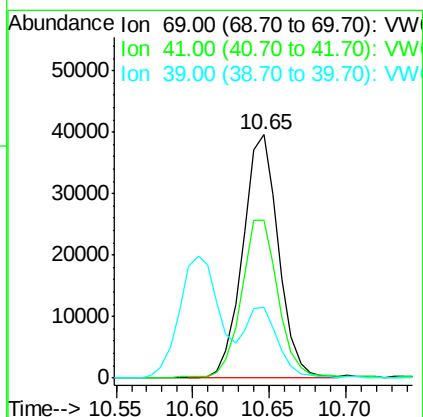
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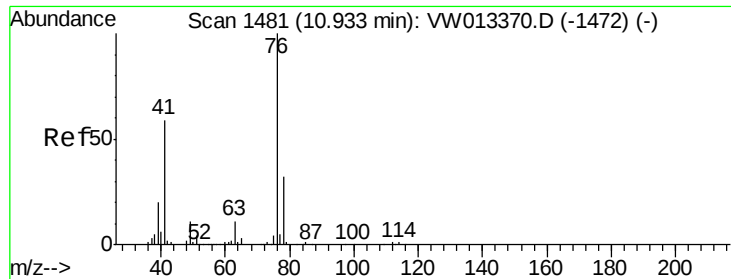
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#56
 Ethyl methacrylate
 Concen: 19.268 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.3	53.4	80.2
39	27.4	22.3	33.5





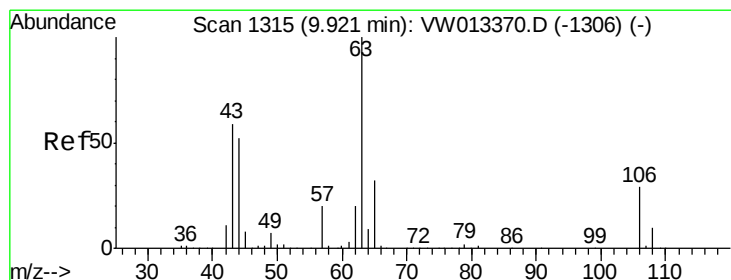
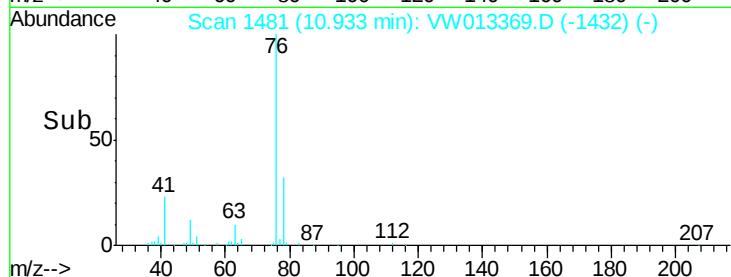
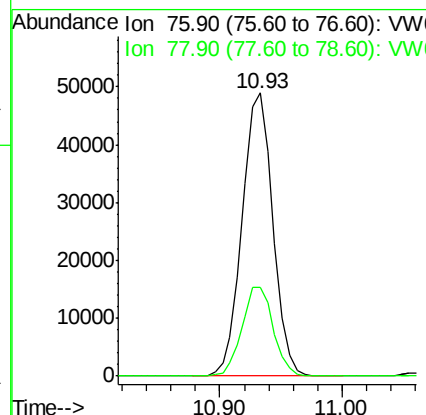
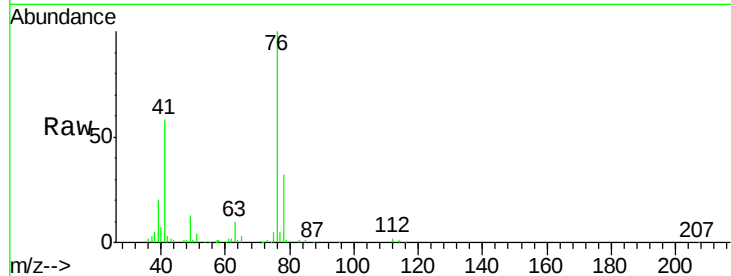
#57
 1,3-Dichloropropane
 Concen: 19.122 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 85019
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

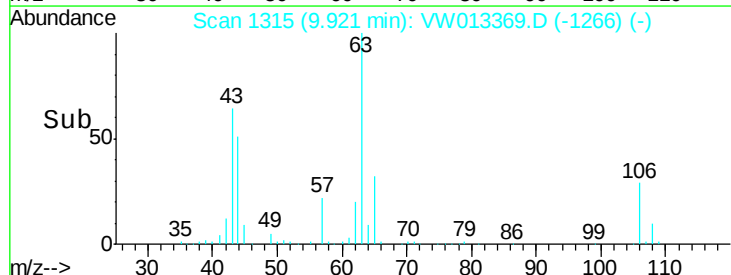
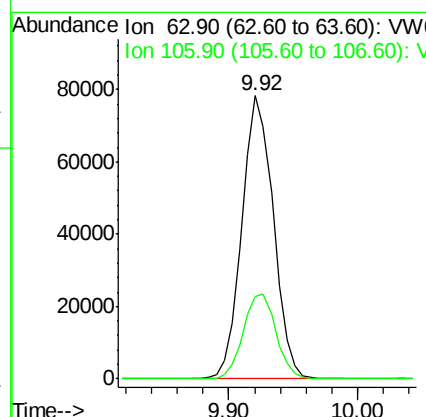
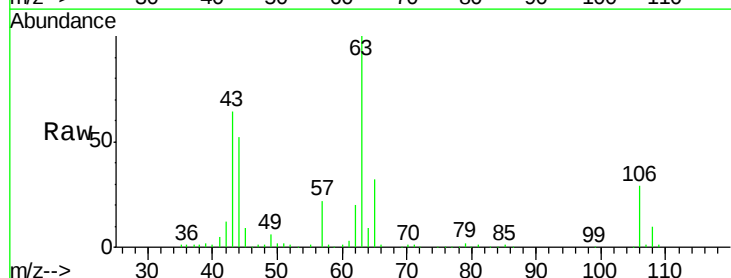
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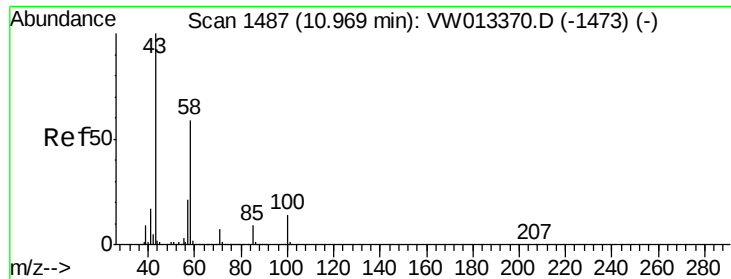
MMDadoda
 10/7/2019 8:22:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.218 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 63 Resp: 132020
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.0 36.0





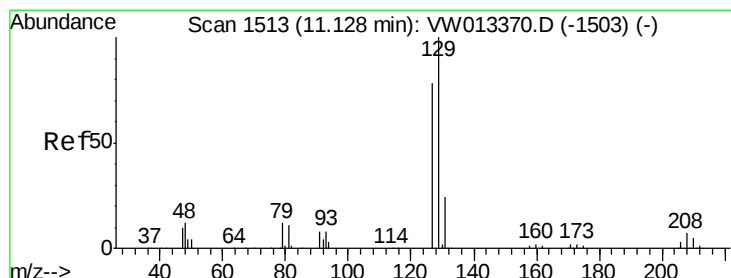
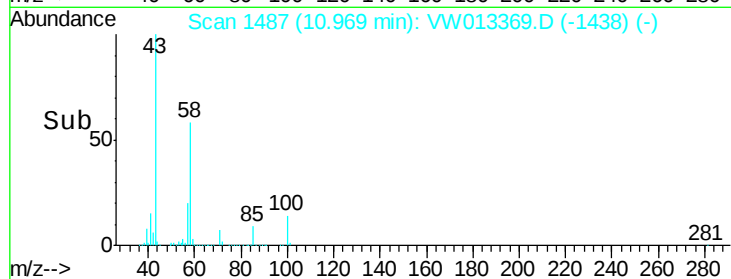
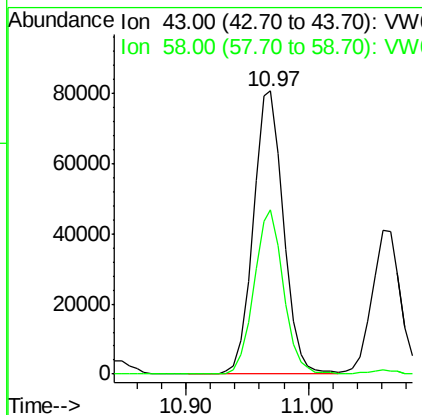
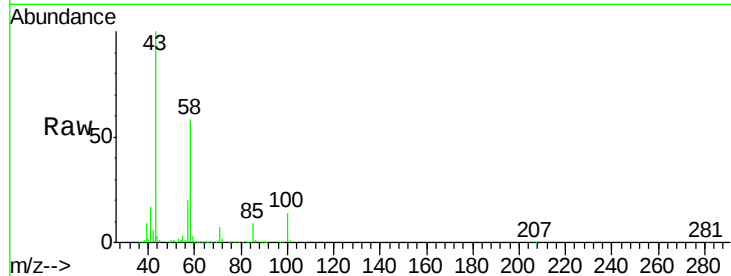
#59
2-Hexanone
Concen: 92.178 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	138918
Ion Ratio	43	100	
Lower	58	56.2	28.8
Upper			86.5

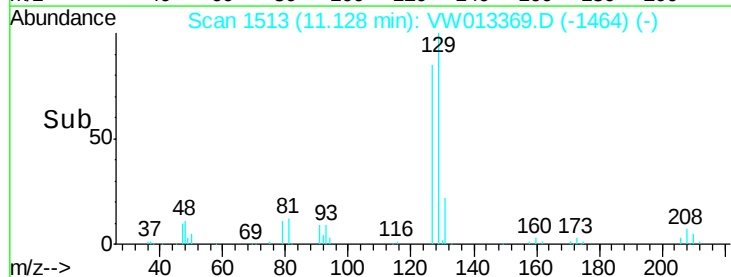
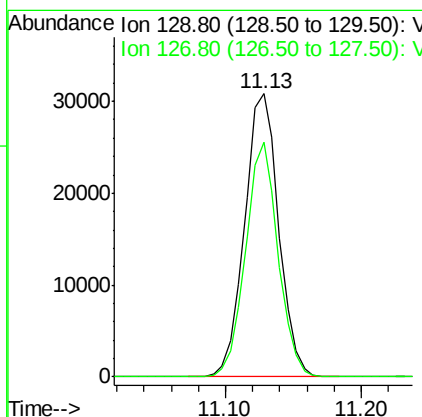
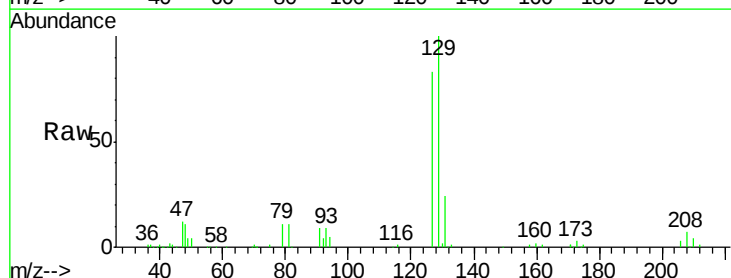
Manual Integrations
APPROVED

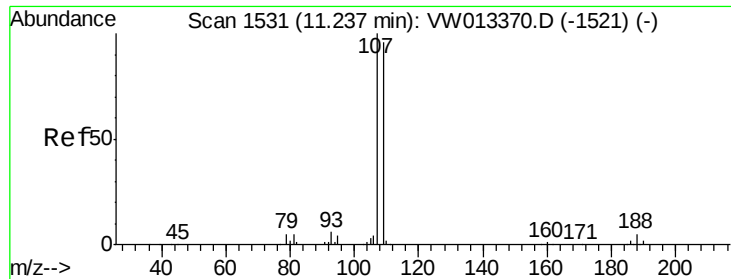
MMDadoda
10/7/2019 8:22:39 AM



#60
Dibromochloromethane
Concen: 19.362 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	129	Resp	54191
Ion Ratio	129	100	
Lower	127	78.9	38.6
Upper			115.7





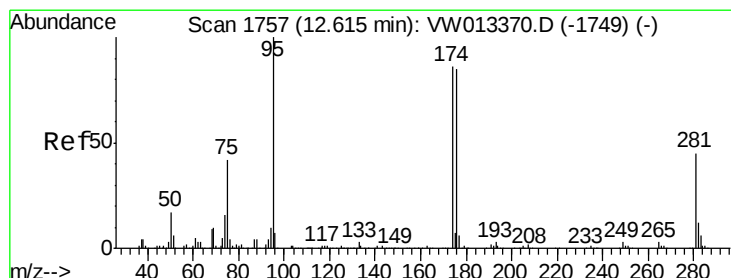
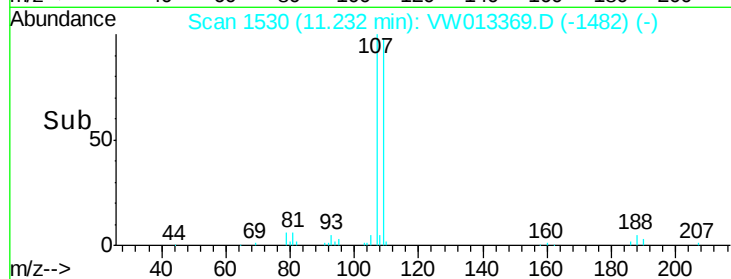
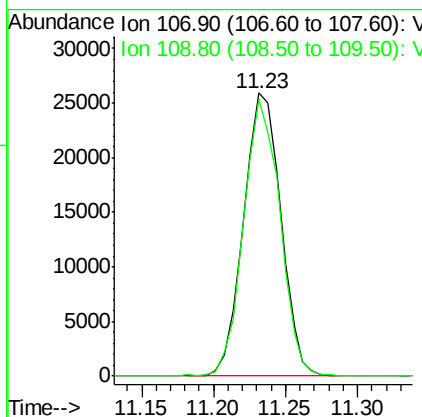
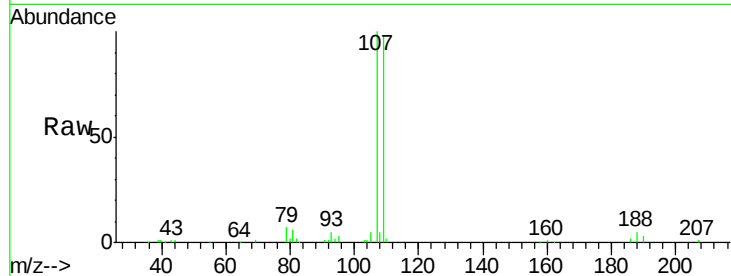
#61
 1,2-Dibromoethane
 Concen: 18.880 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 46527
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.6 112.0

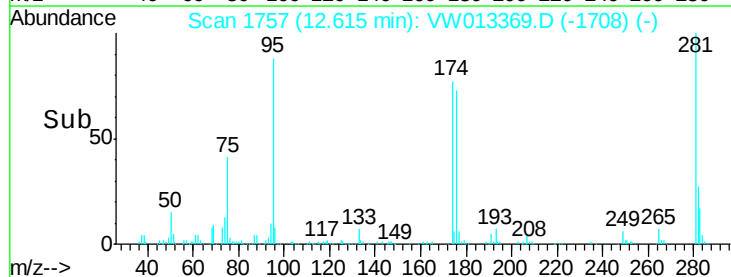
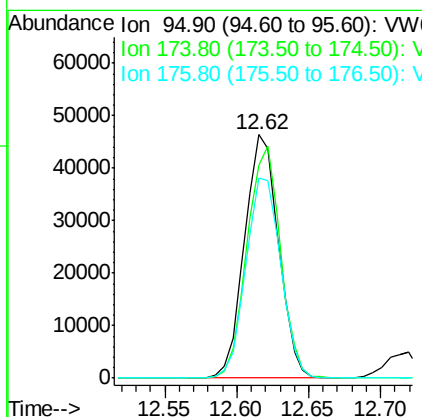
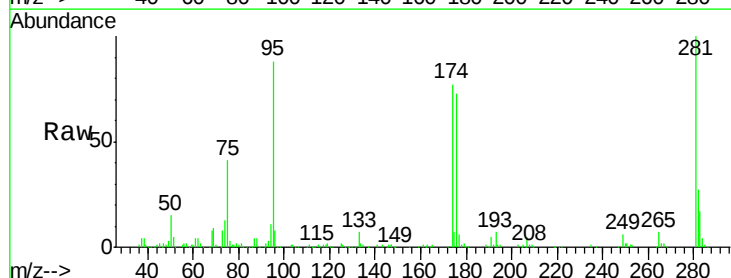
Manual Integrations
 APPROVED

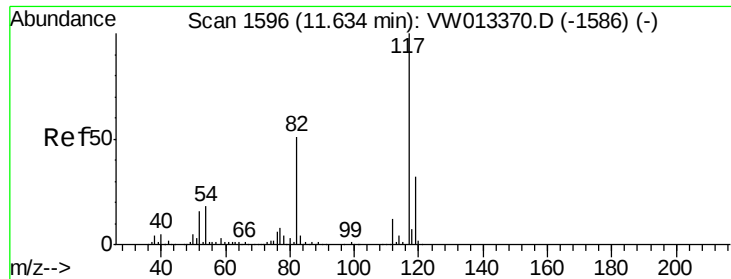
MMDadoda
 10/7/2019 8:22:39 AM



#62
 4-Bromofluorobenzene
 Concen: 19.707 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 95 Resp: 75676
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 184.6
 176 84.5 0.0 178.4





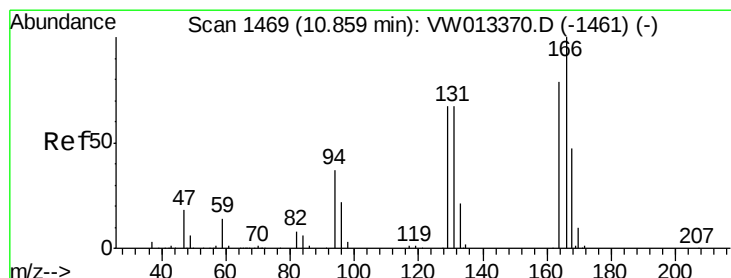
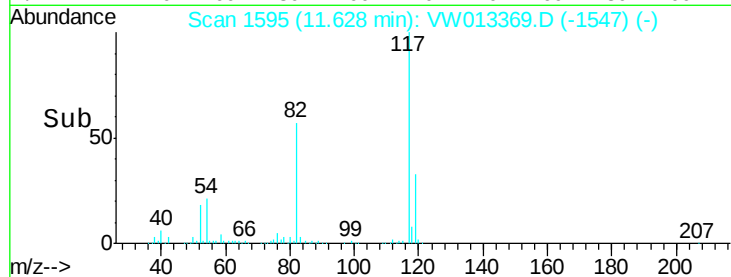
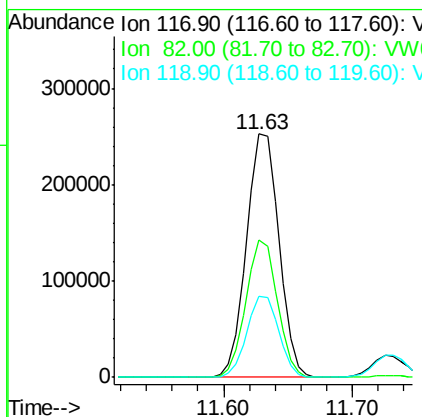
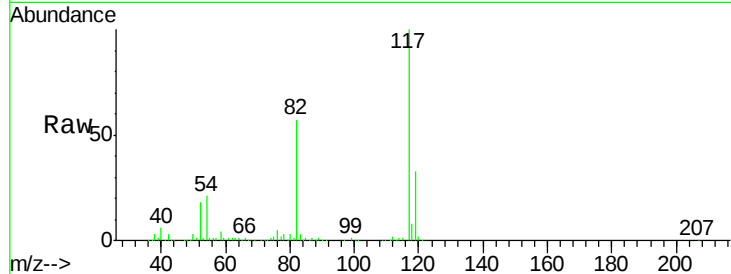
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	40.5	60.7
119	33.3	25.9	38.9

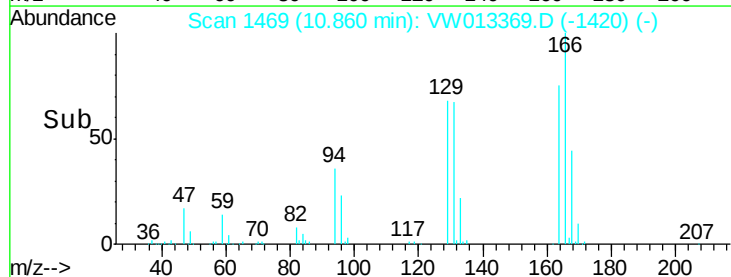
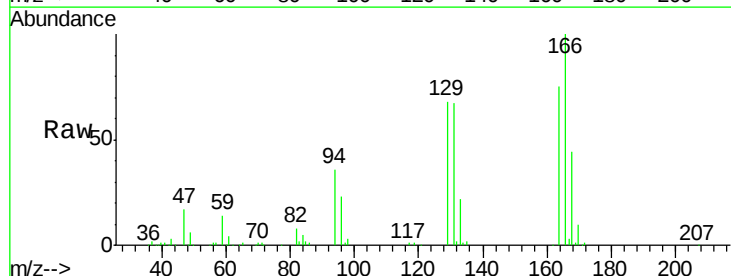
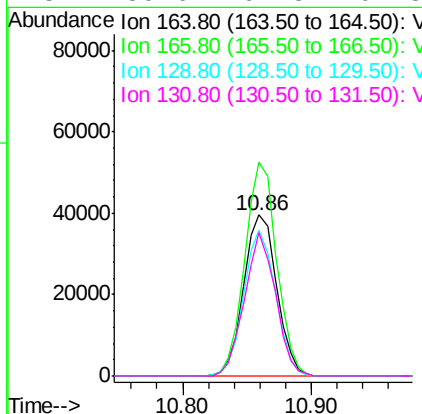
Manual Integrations
APPROVED

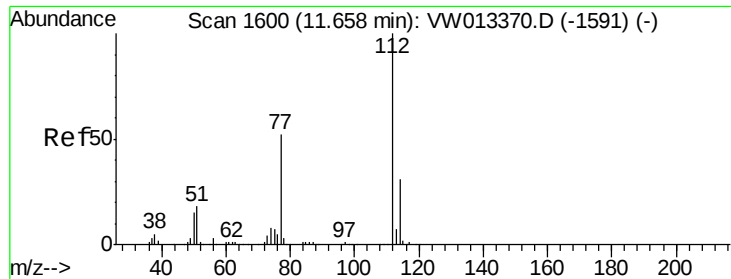
MMDadoda
10/7/2019 8:22:39 AM



#64
Tetrachloroethene
Concen: 19.906 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	101.4	152.2
129	90.6	68.0	102.0
131	89.6	67.8	101.8





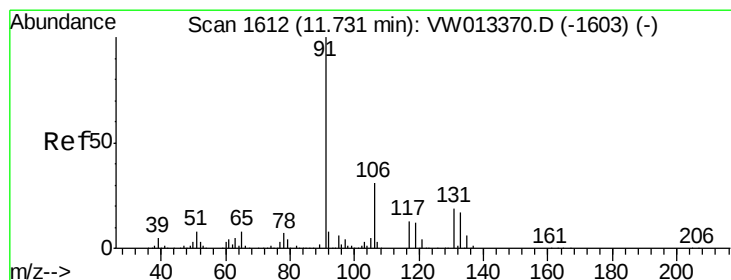
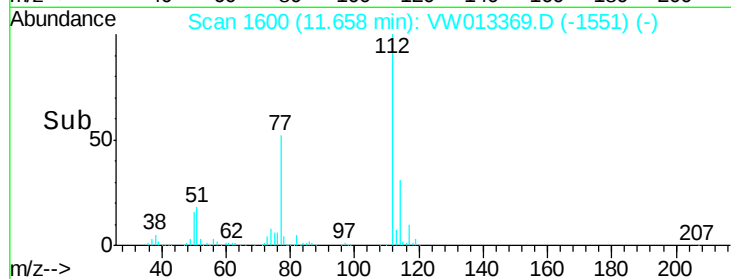
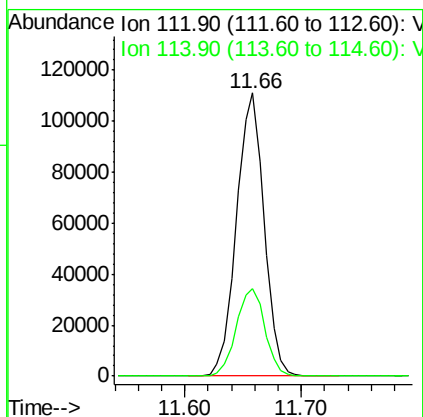
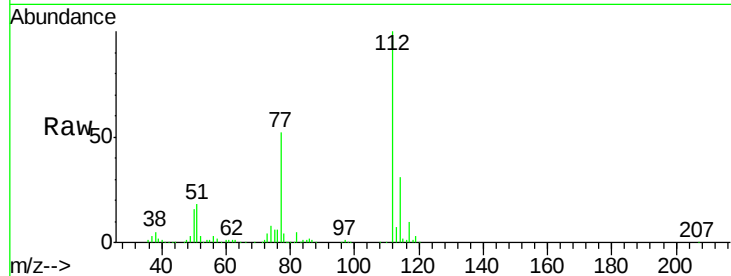
#65
Chlorobenzene
Concen: 19.457 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.0	37.4

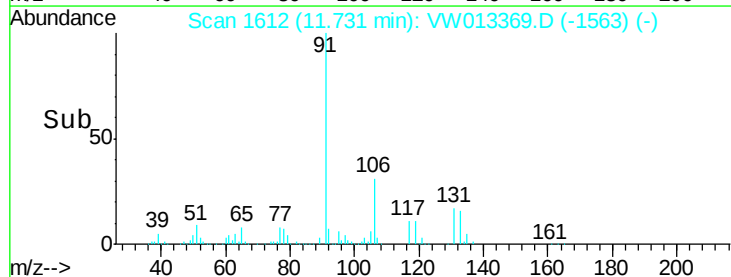
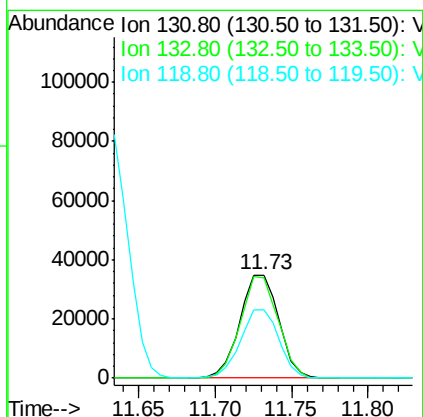
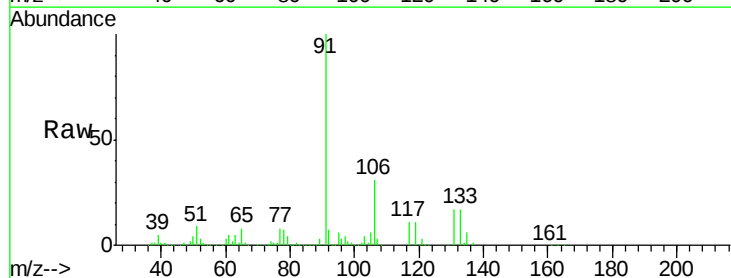
Manual Integrations
APPROVED

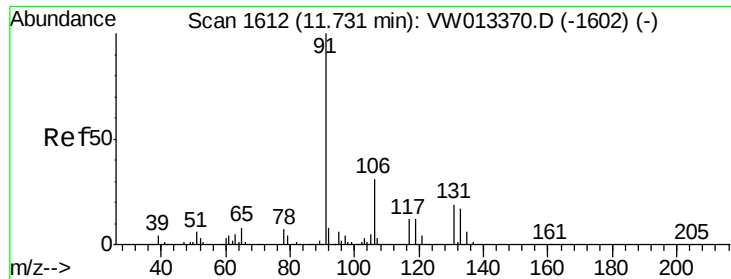
MMDadoda
10/7/2019 8:22:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.836 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.5	142.6
119	65.8	31.9	95.9





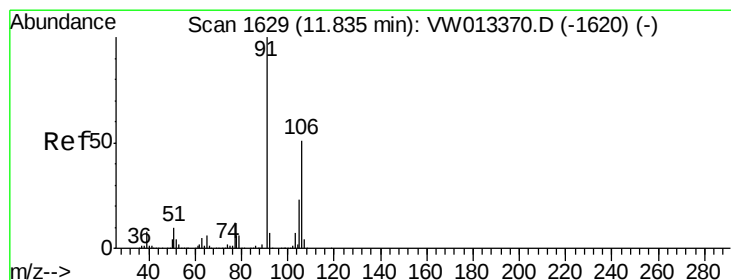
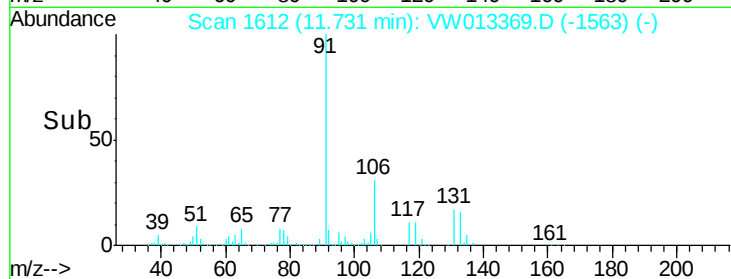
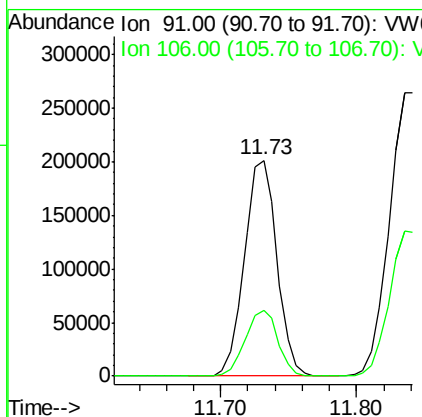
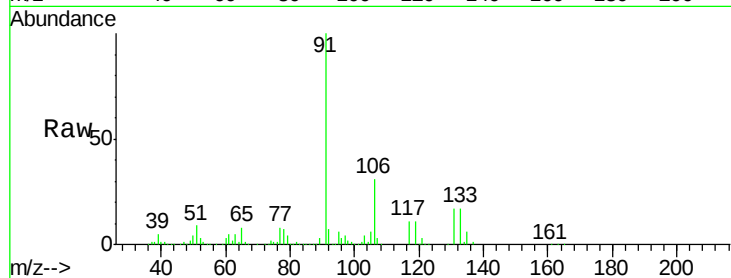
#67
Ethyl Benzene
Concen: 19.954 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 336349
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

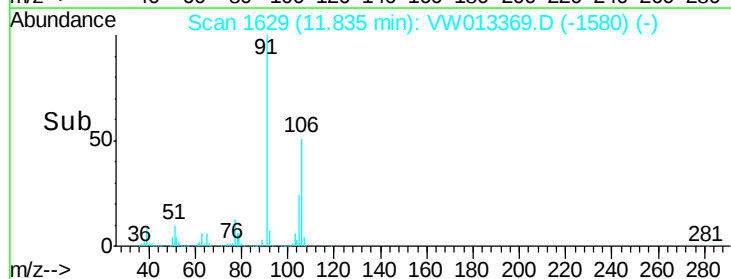
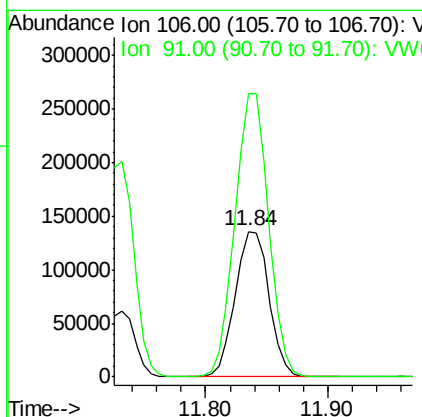
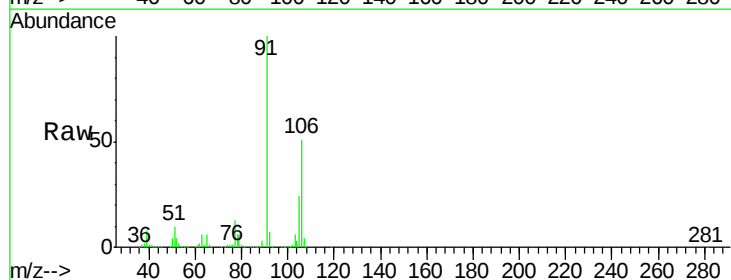
Manual Integrations
APPROVED

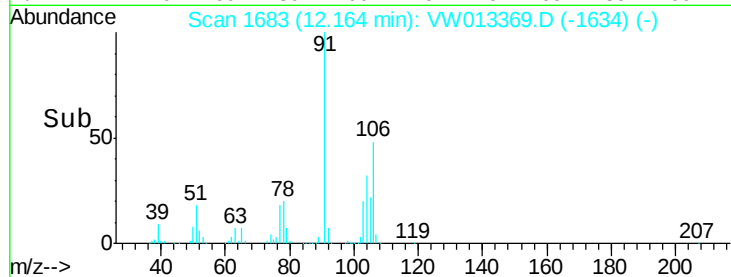
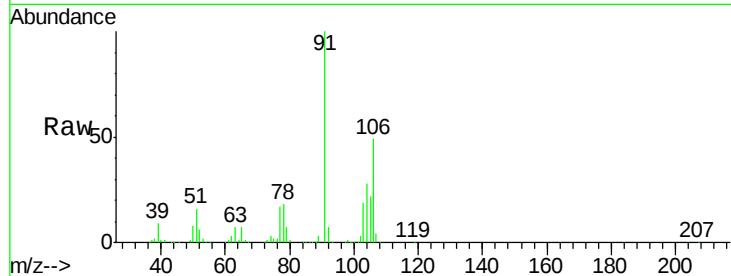
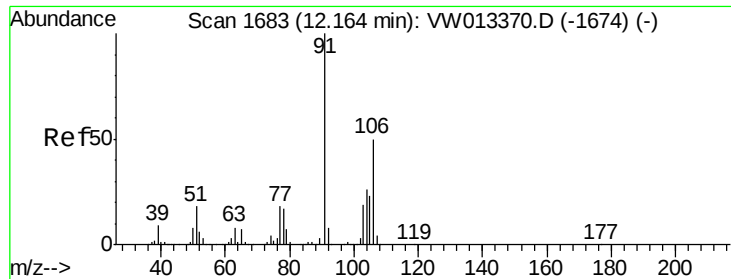
MMDadoda
10/7/2019 8:22:39 AM



#68
m/p-Xylenes
Concen: 39.988 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion: 106 Resp: 260979
Ion Ratio Lower Upper
106 100
91 193.2 160.5 240.7





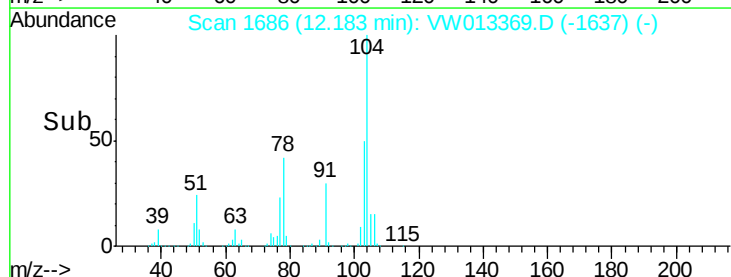
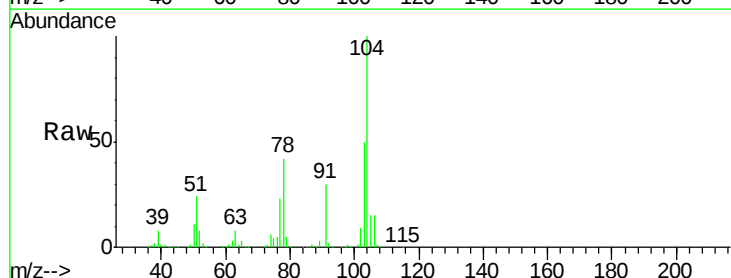
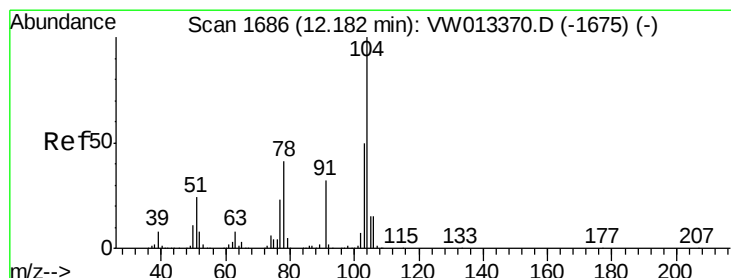
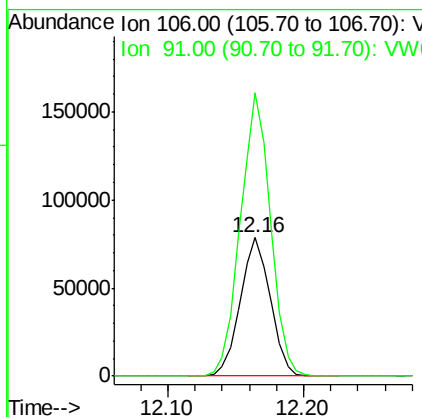
#69
o-Xylene
Concen: 20.367 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.9	104.4	313.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

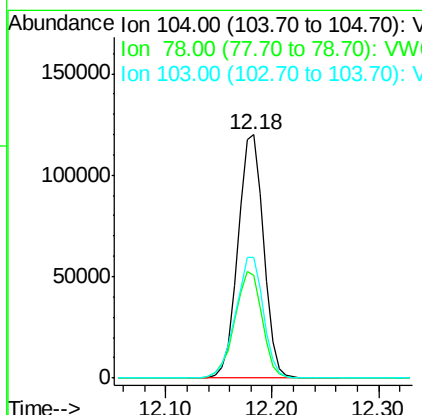
Manual Integrations
APPROVED

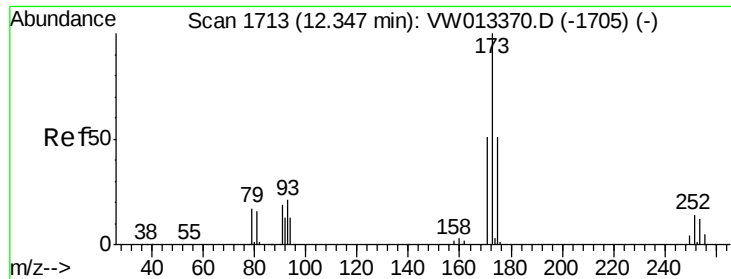
MMDadoda
10/7/2019 8:22:39 AM



#70
Styrene
Concen: 19.912 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.4	56.2
103	53.8	43.2	64.8





#71

Bromoform

Concen: 19.172 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 32592

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.4

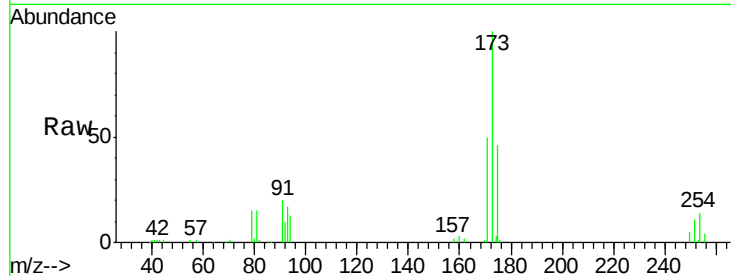
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

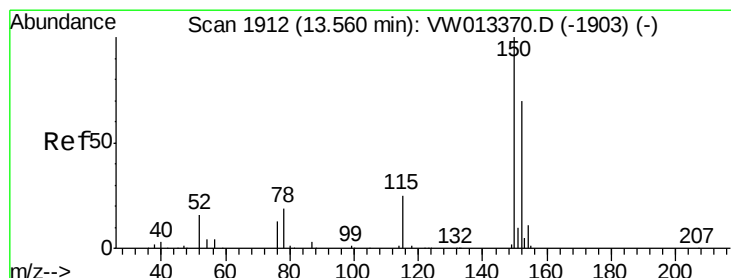
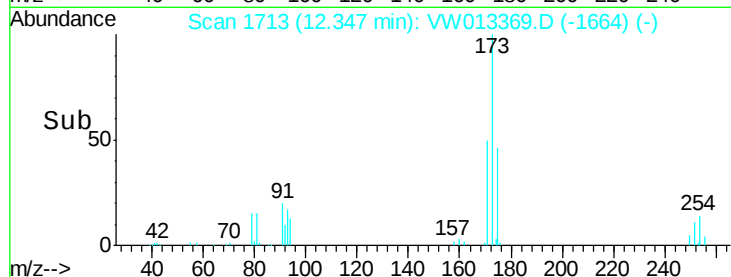
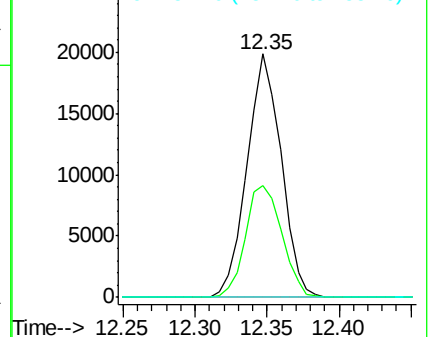
10/7/2019 8:22:39 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

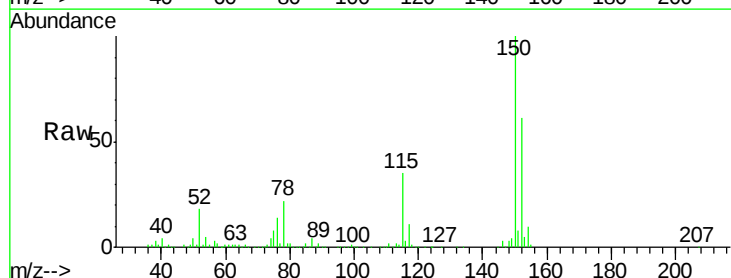
Tgt Ion:152 Resp: 217173

Ion Ratio Lower Upper

152 100

115 56.4 27.2 81.5

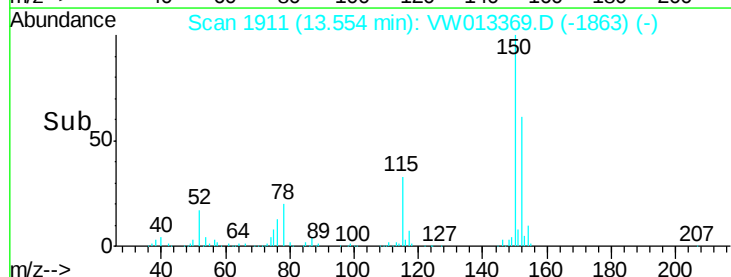
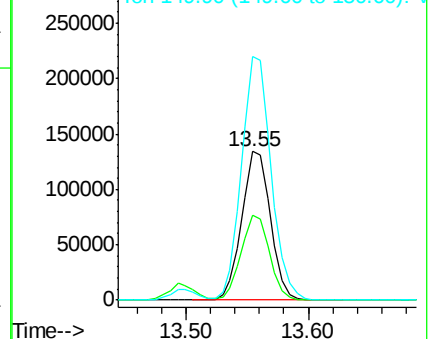
150 169.1 0.0 344.6

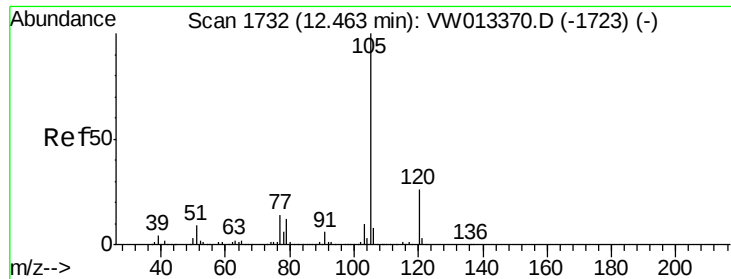


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





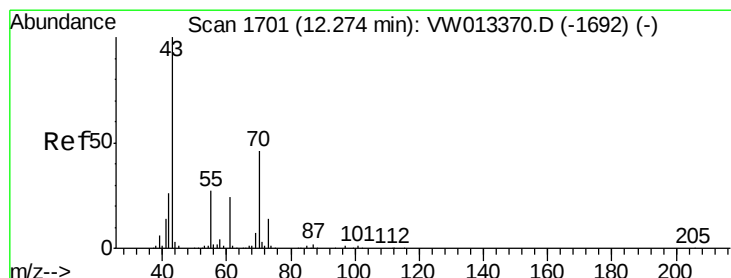
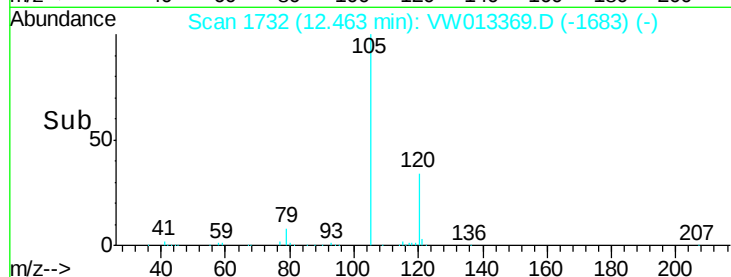
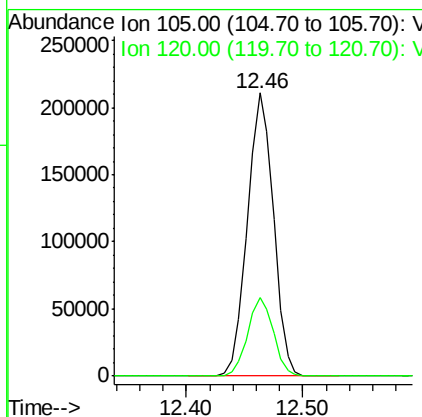
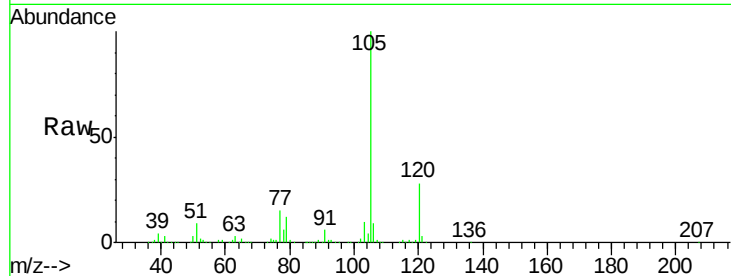
#73
Isopropylbenzene
Concen: 20.198 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.3	39.8

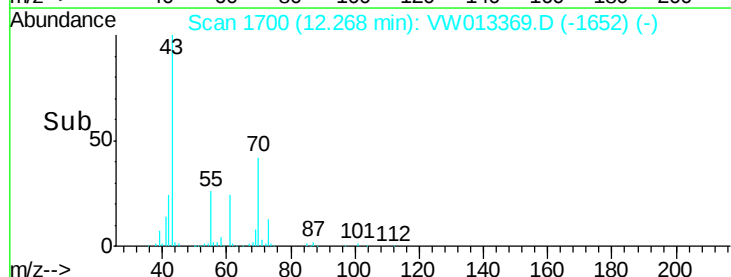
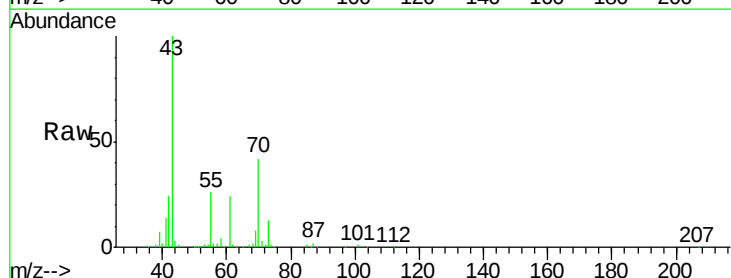
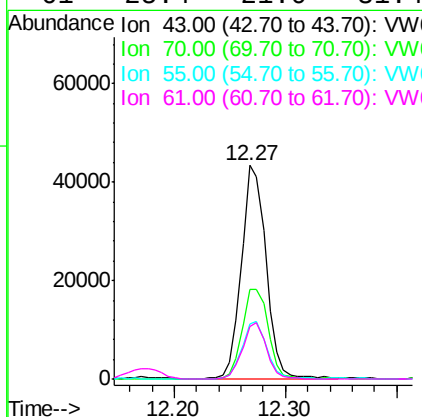
Manual Integrations
APPROVED

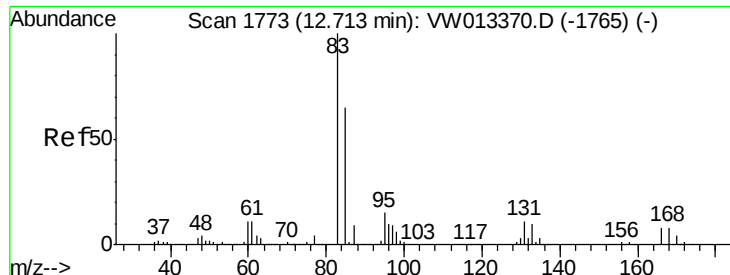
MMDadoda
10/7/2019 8:22:39 AM



#74
N-ethyl acetate
Concen: 18.968 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.5	36.6	55.0
55	27.2	21.0	31.6
61	25.4	21.0	31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.383 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

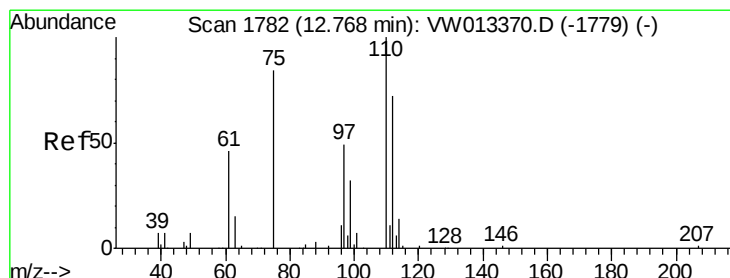
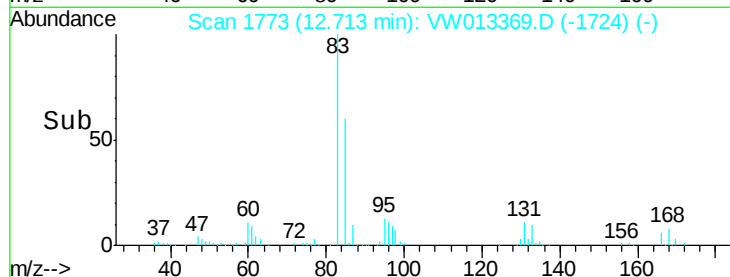
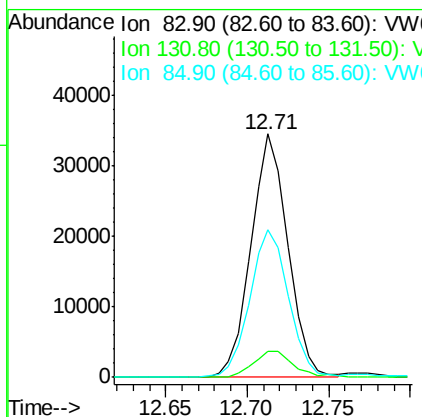
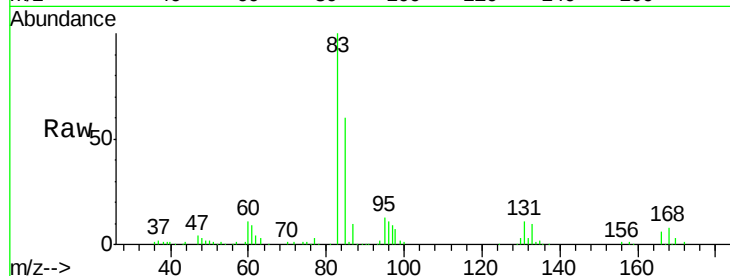
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	54363
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.6	16.8
85	63.6	33.1	99.2

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#76

1,2,3-Trichloropropane

Concen: 21.575 ug/l m

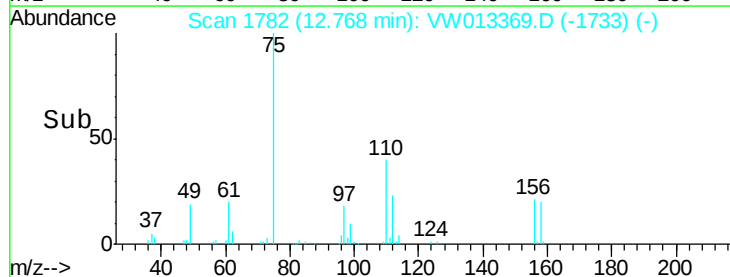
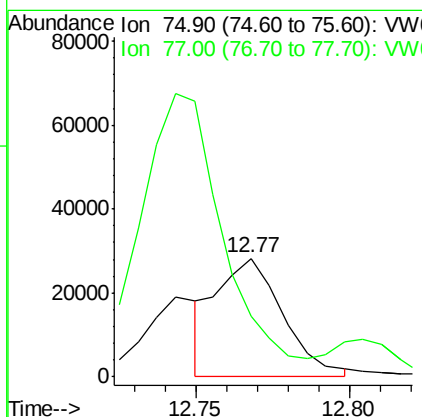
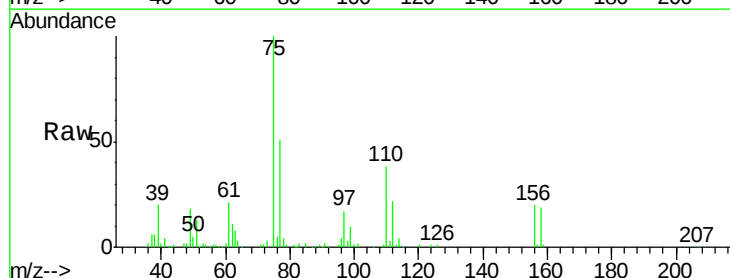
RT: 12.77 min Scan# 1782

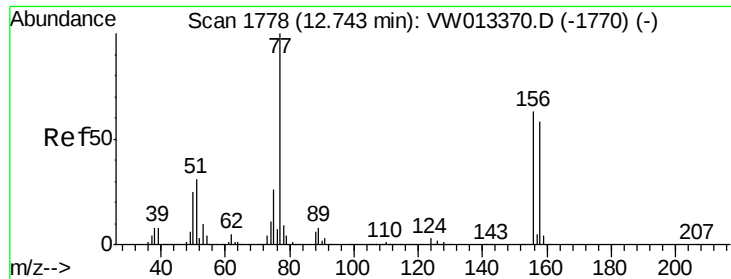
Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion:	75	Resp:	42370
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.609 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

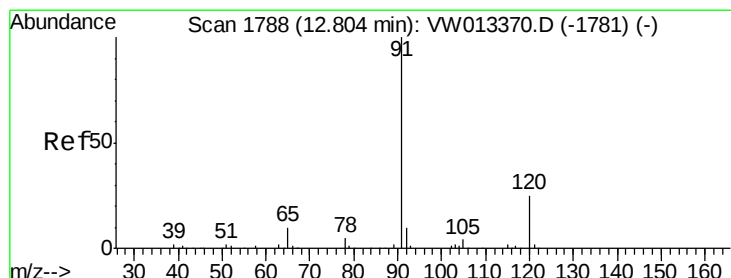
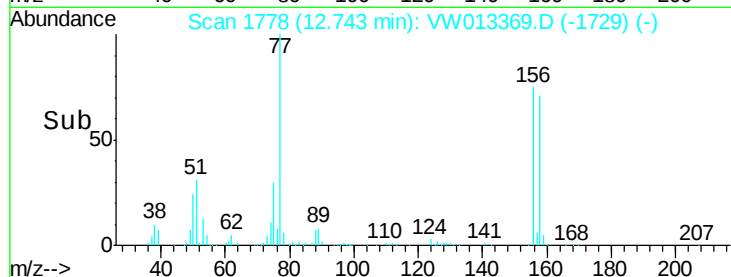
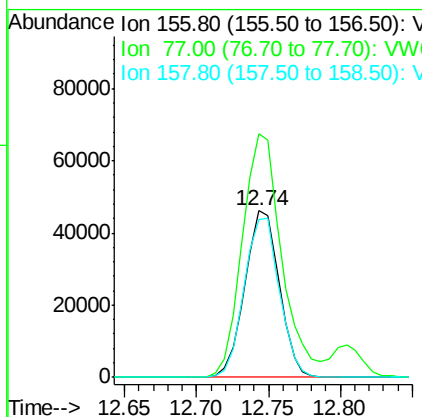
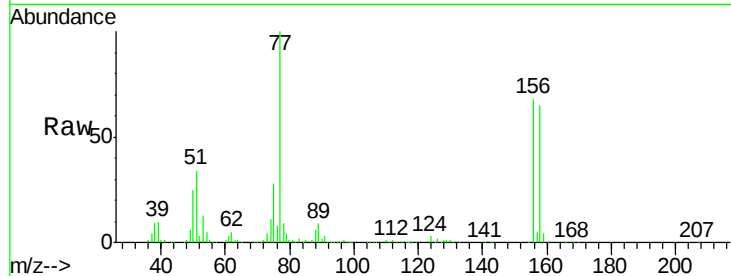
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.3	86.7	260.1
158	97.7	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.404 ug/l

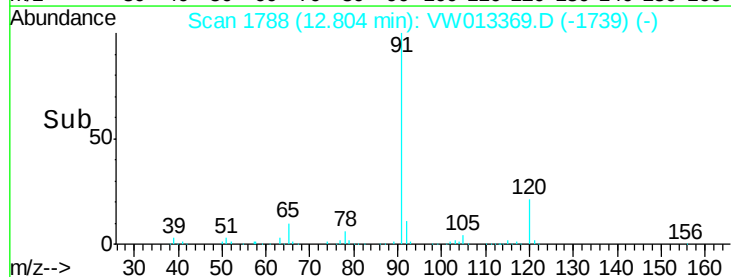
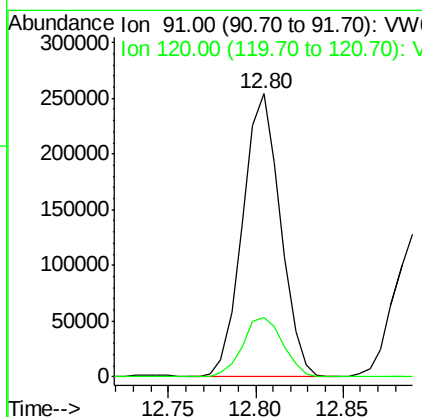
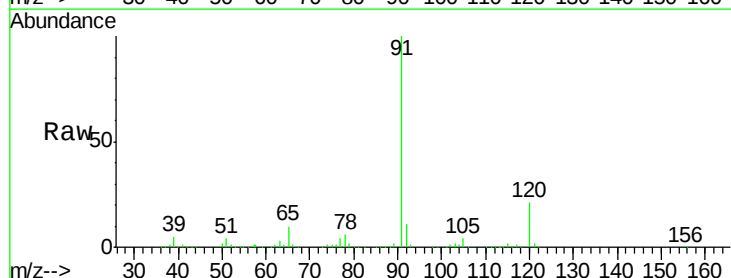
RT: 12.80 min Scan# 1788

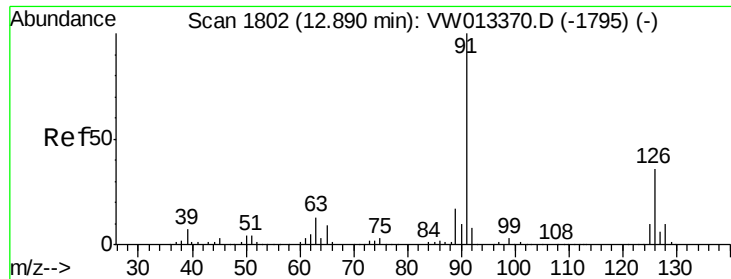
Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	12.1	36.3





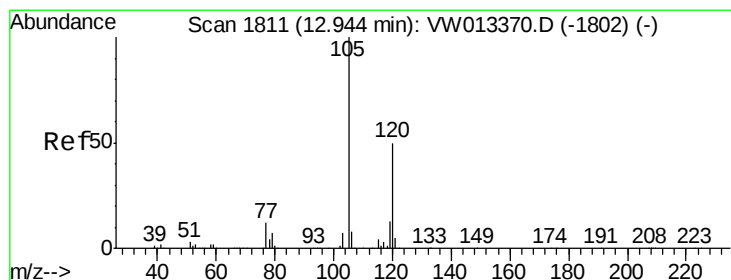
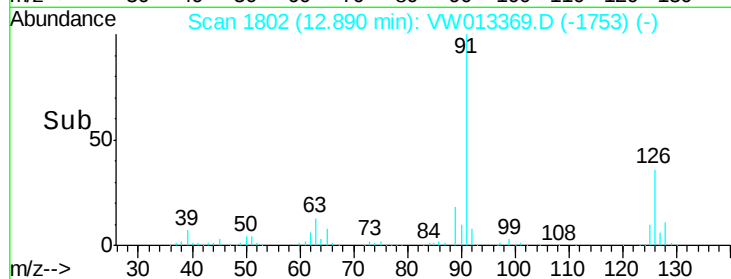
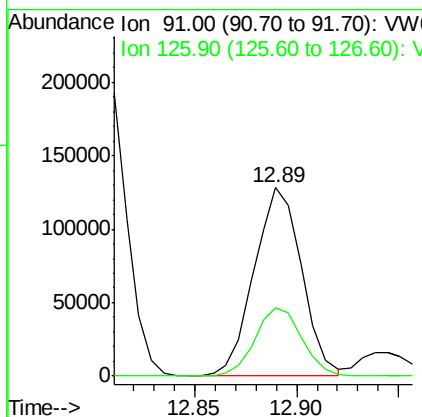
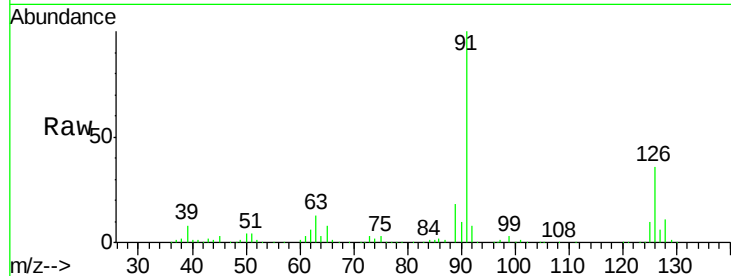
#79
 2-Chlorotoluene
 Concen: 19.685 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 208363
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.6 52.9

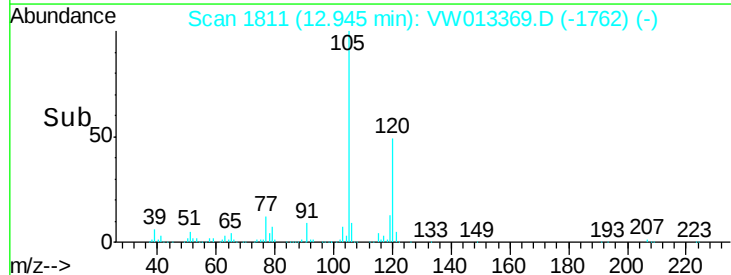
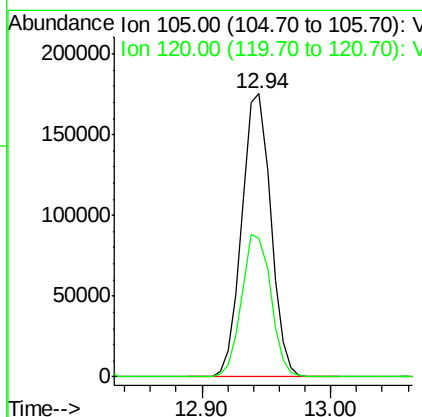
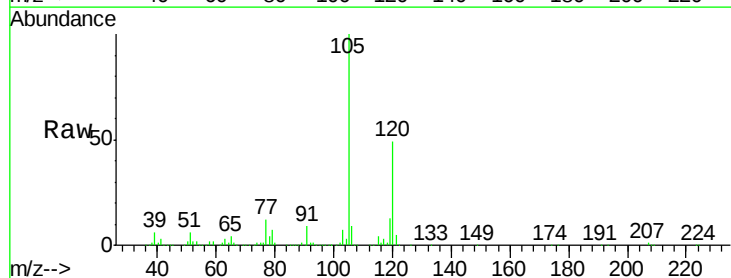
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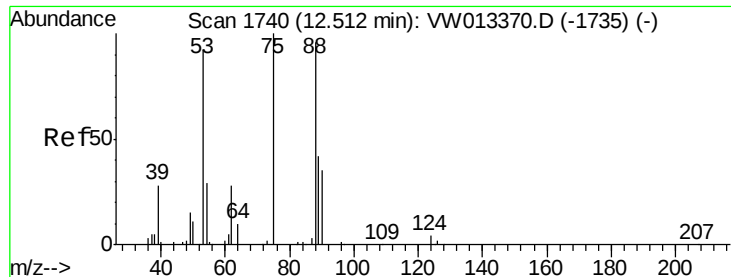
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.789 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion: 105 Resp: 272377
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.830 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

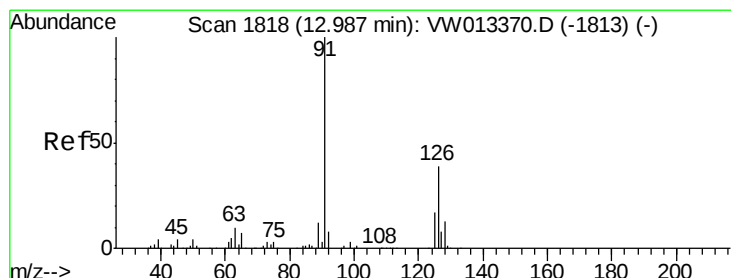
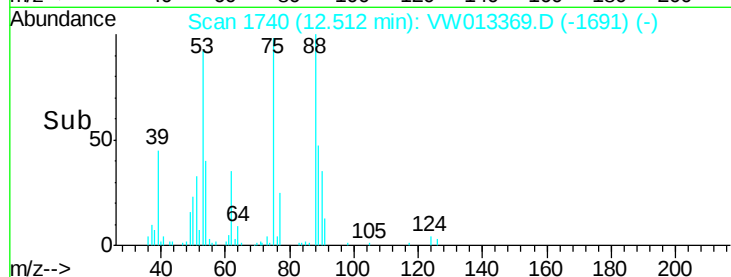
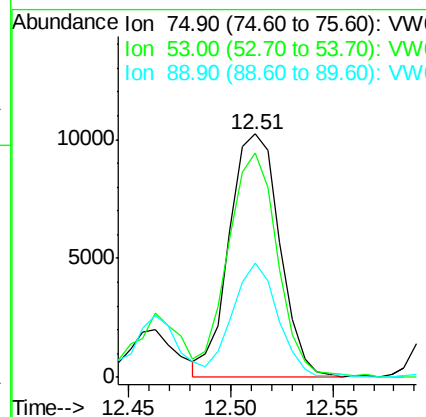
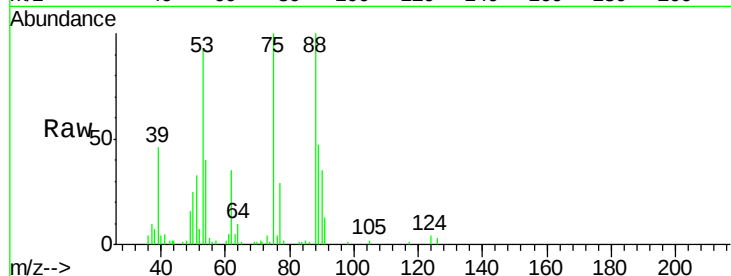
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	17537
Ion	Ratio	Lower	Upper
75	100		
53	90.9	75.0	112.6
89	42.5	37.6	56.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.804 ug/l

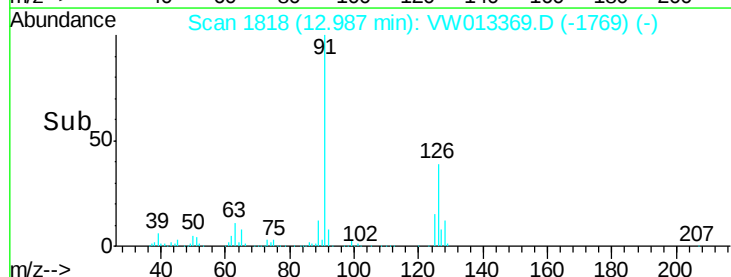
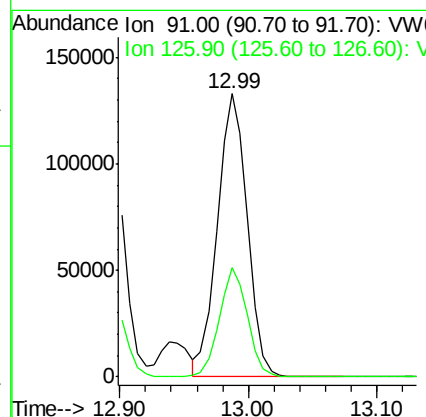
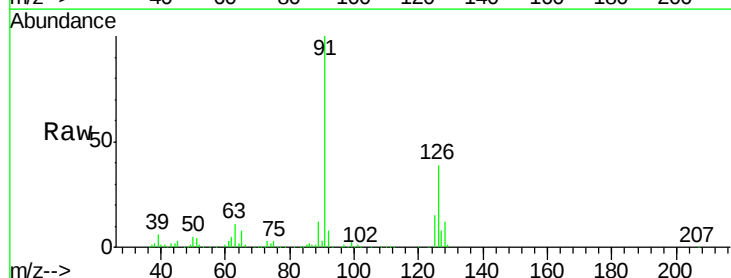
RT: 12.99 min Scan# 1818

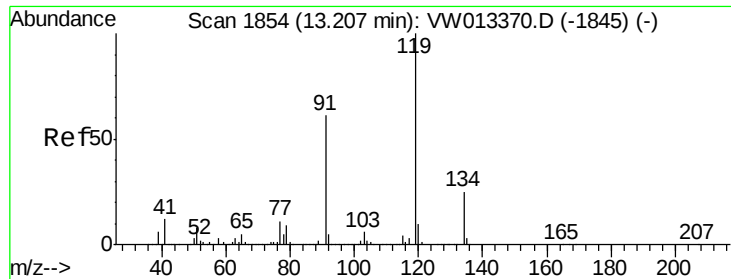
Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Tgt Ion:	91	Resp:	215944
Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.1	54.4





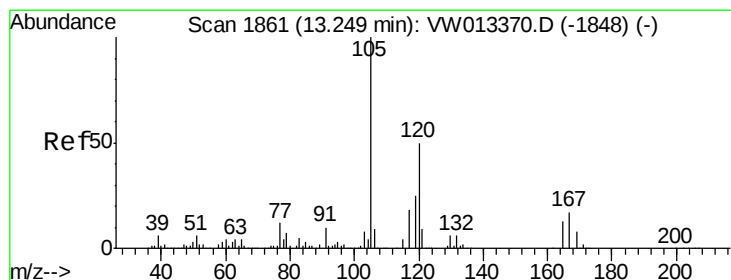
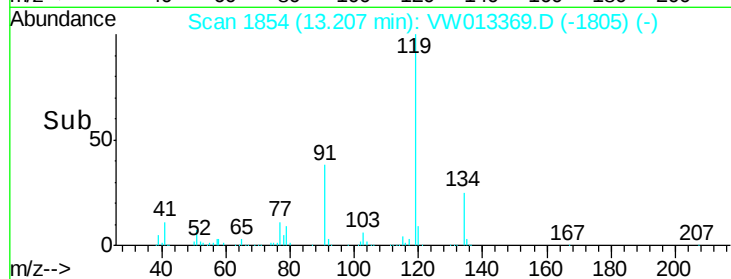
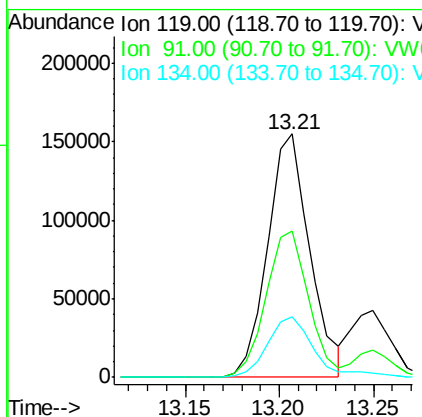
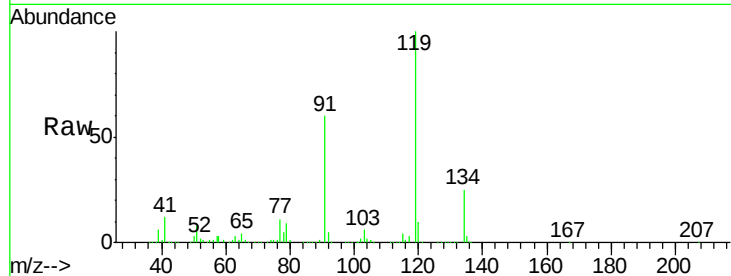
#83
tert-Butylbenzene
Concen: 19.916 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	29.9	89.7
134	27.3	13.9	41.6

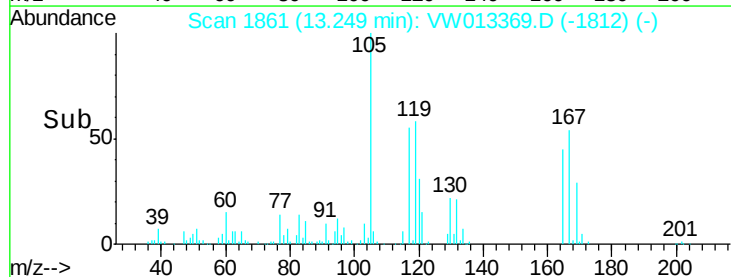
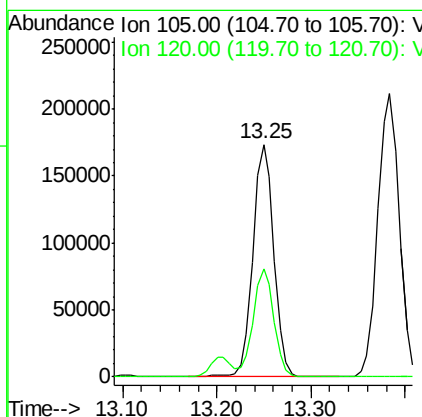
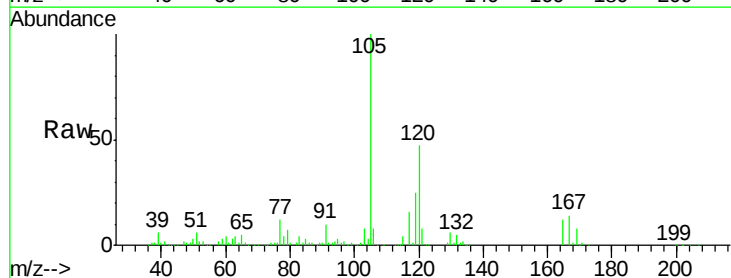
Manual Integrations
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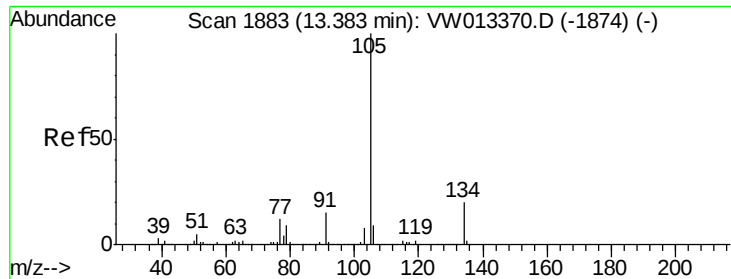
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#84
1,2,4-Trimethylbenzene
Concen: 19.911 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.6	70.8





#85

sec-Butylbenzene

Concen: 19.987 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 333759

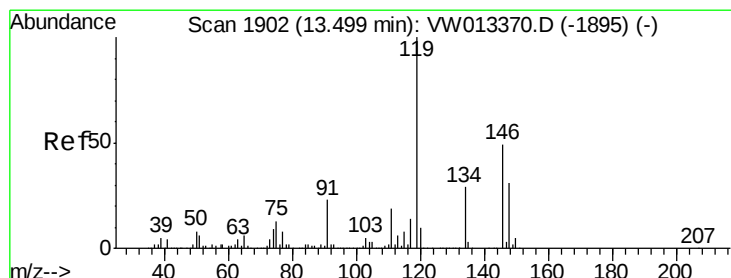
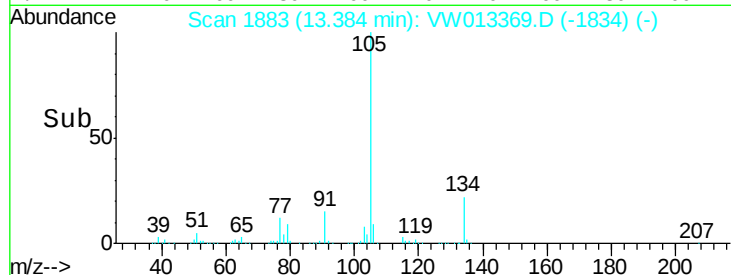
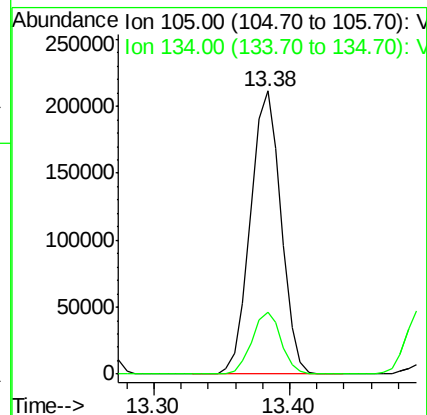
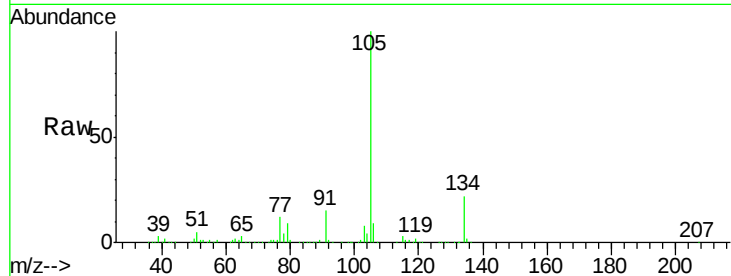
Ion Ratio Lower Upper

105 100

134 21.0 10.2 30.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.279 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013369.D

Acq: 01 Oct 2019 13:54

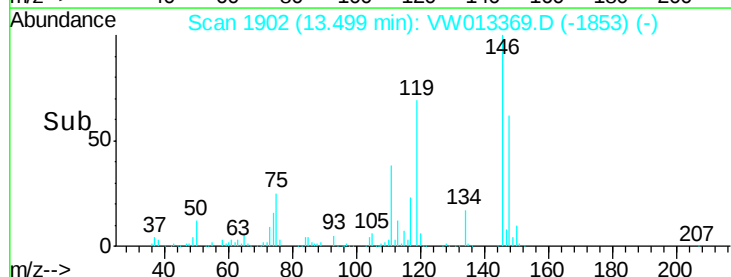
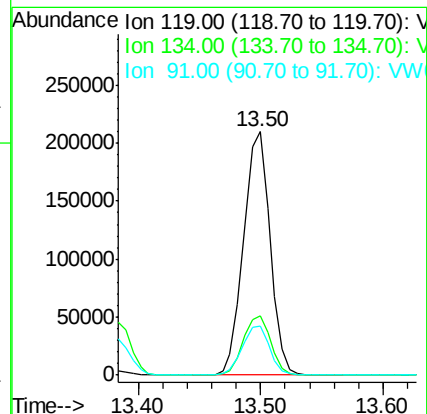
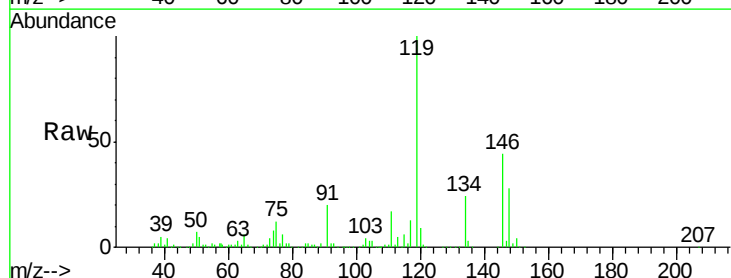
Tgt Ion:119 Resp: 314034

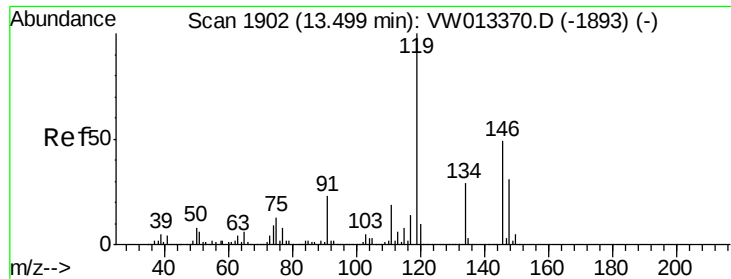
Ion Ratio Lower Upper

119 100

134 25.1 13.4 40.2

91 20.9 11.1 33.1





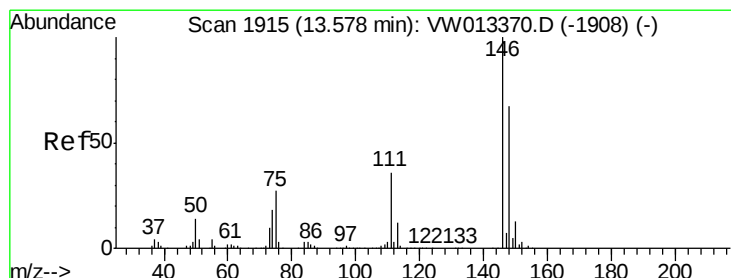
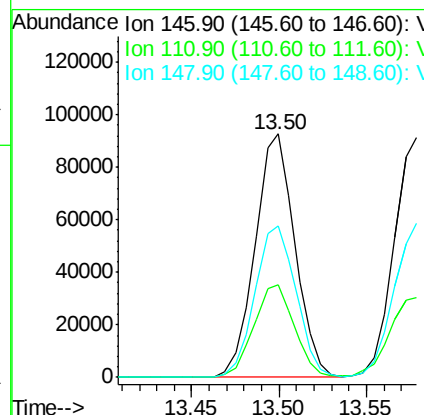
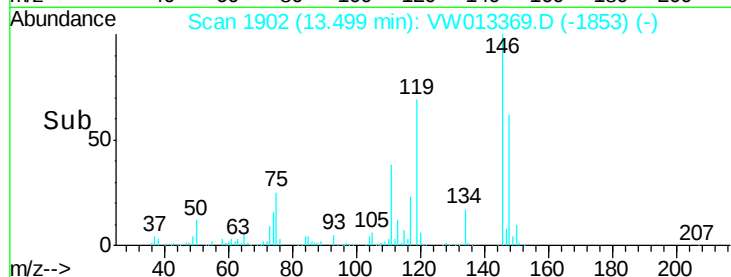
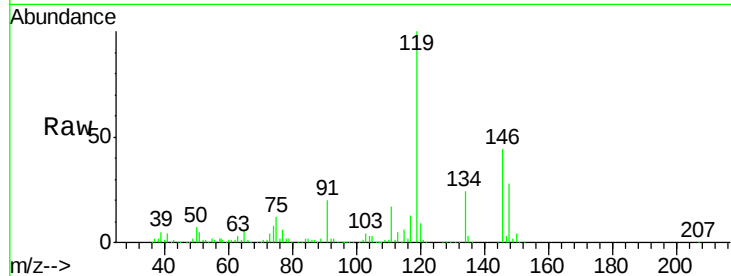
#87
 1,3-Dichlorobenzene
 Concen: 19.467 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.7
148	64.5	31.8	95.3

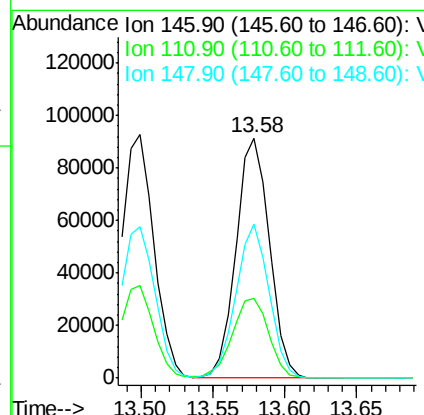
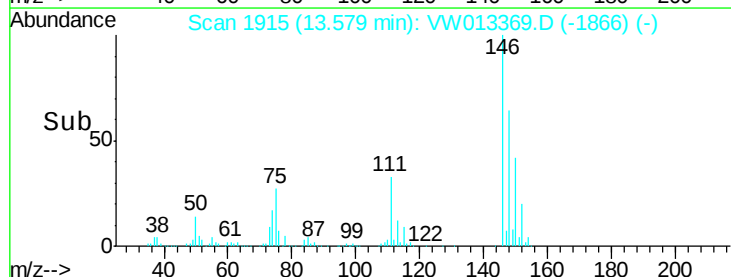
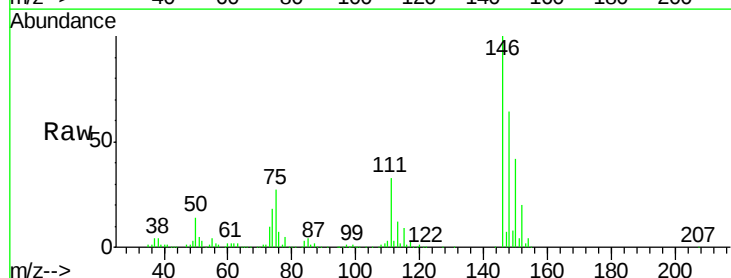
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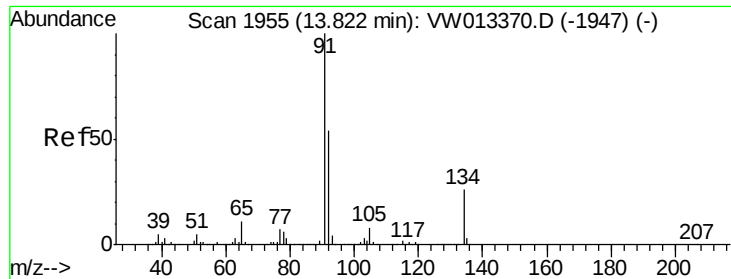
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#88
 1,4-Dichlorobenzene
 Concen: 19.725 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.2	54.6
148	63.6	32.4	97.0





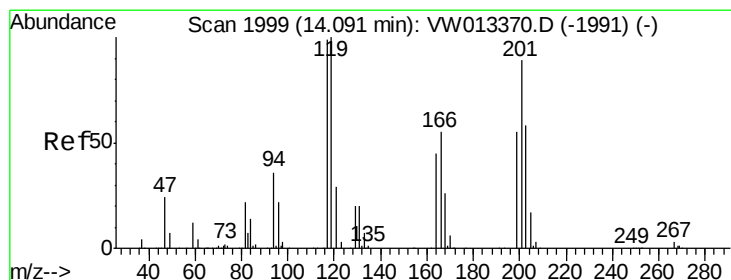
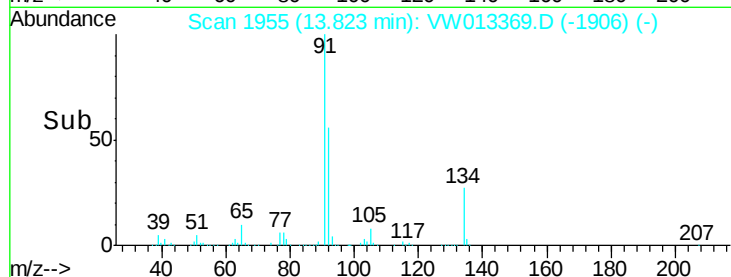
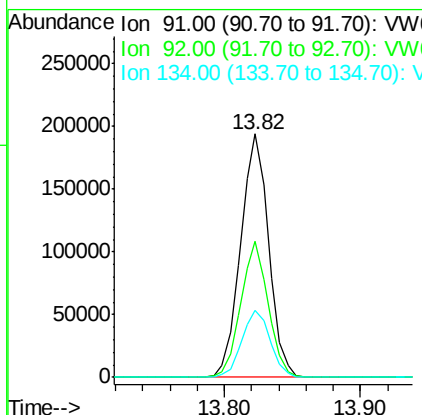
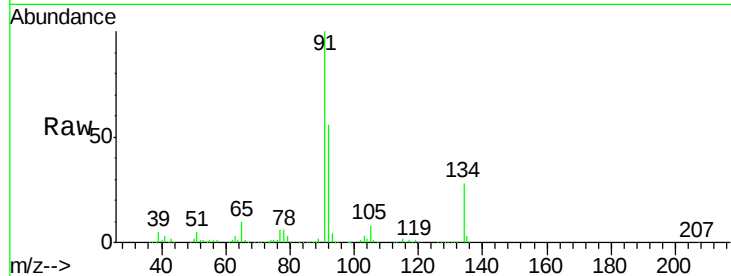
#89
n-Butylbenzene
Concen: 19.935 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.8
134	28.0	13.8	41.4

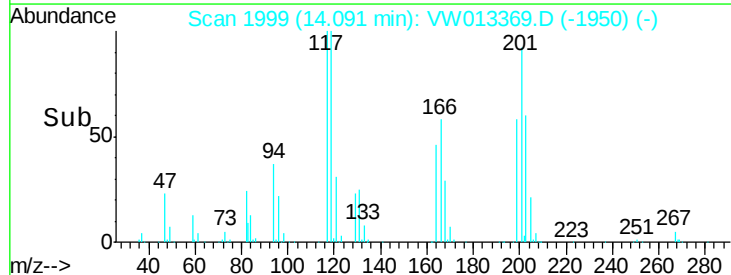
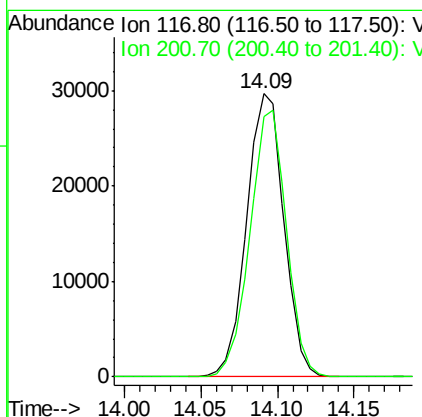
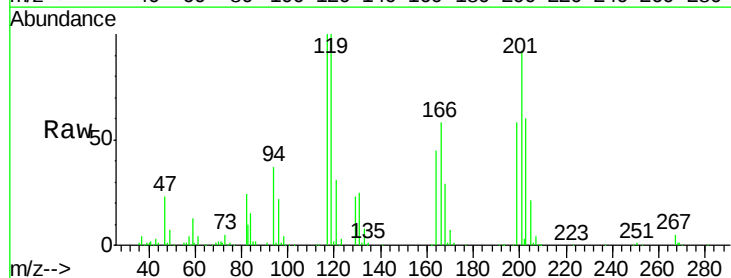
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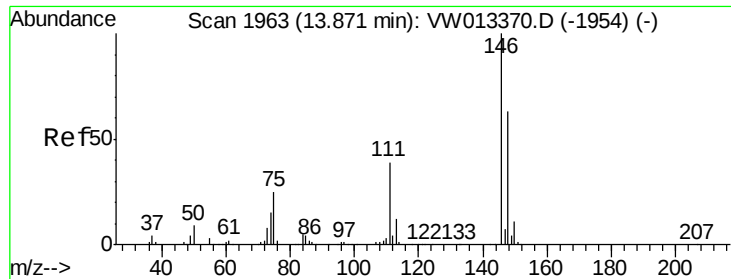
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#90
Hexachloroethane
Concen: 19.838 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	46.9	140.6





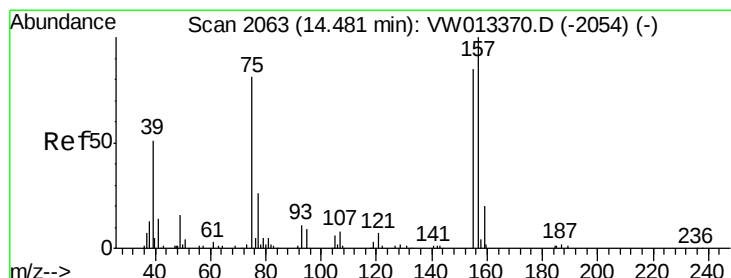
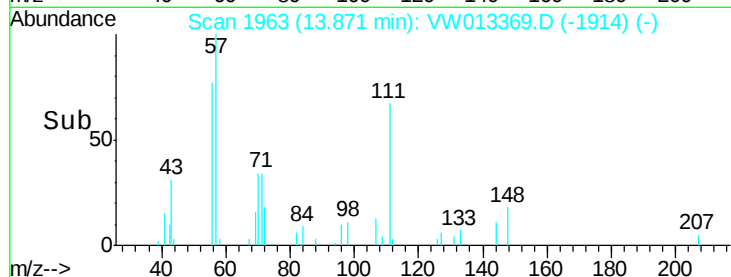
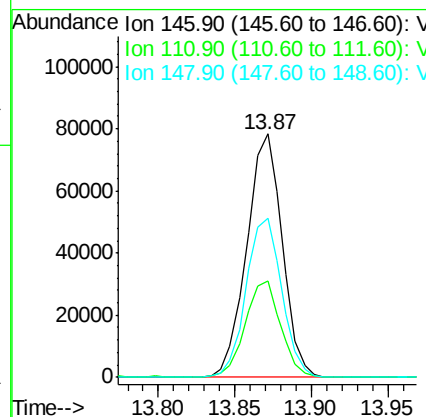
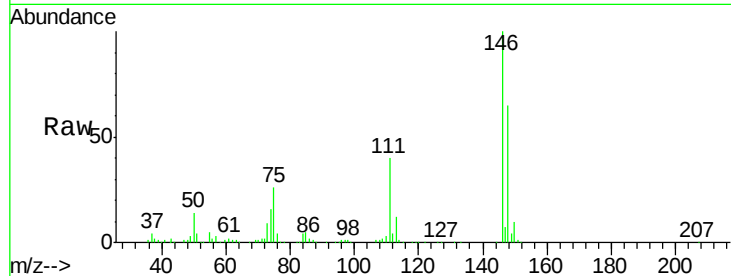
#91
 1,2-Dichlorobenzene
 Concen: 19.072 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	65.9	31.8	95.4

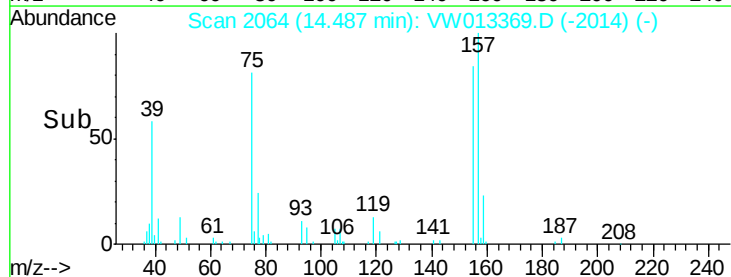
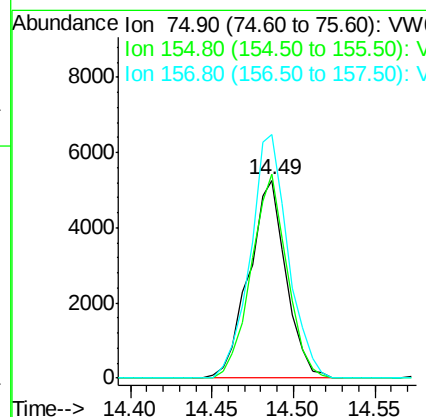
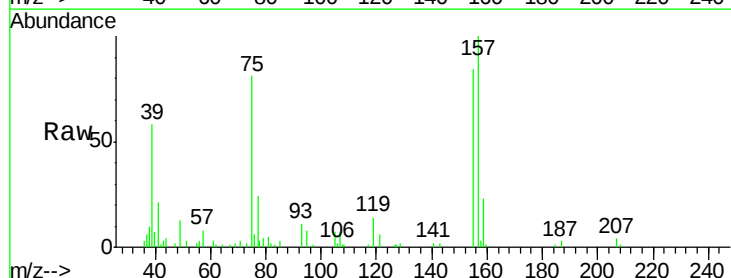
Manual Integrations
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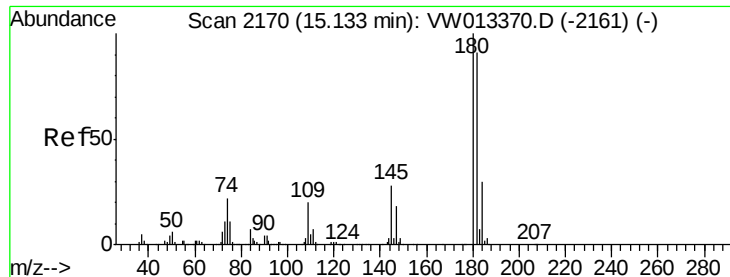
MMDadoda
 10/7/2019 8:22:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.311 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013369.D
 Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	54.4	163.2
157	125.3	66.1	198.3





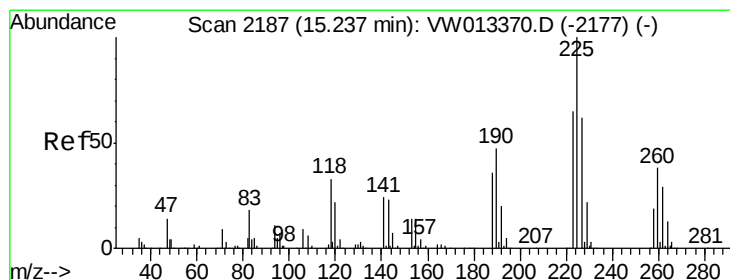
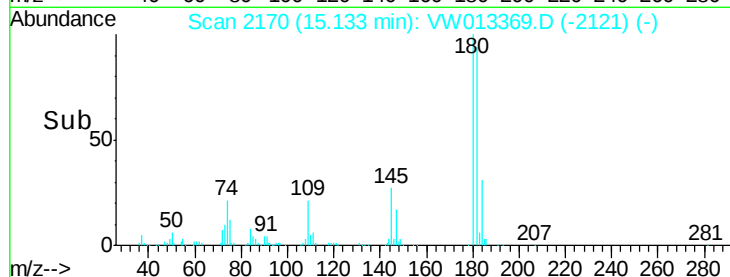
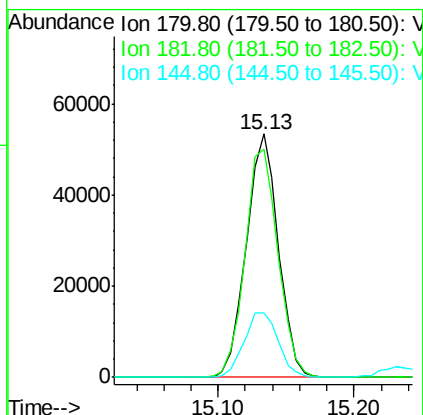
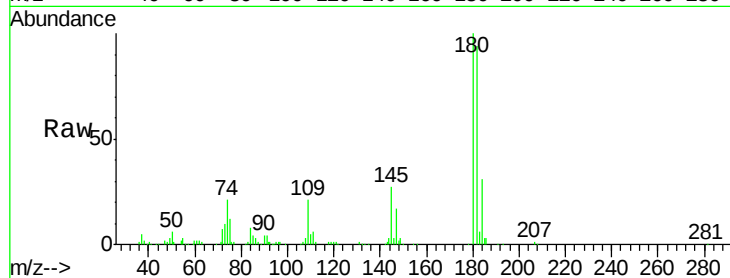
#93
1,2,4-Trichlorobenzene
Concen: 19.054 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	46.9	140.7	
145	28.6	13.9	41.7	

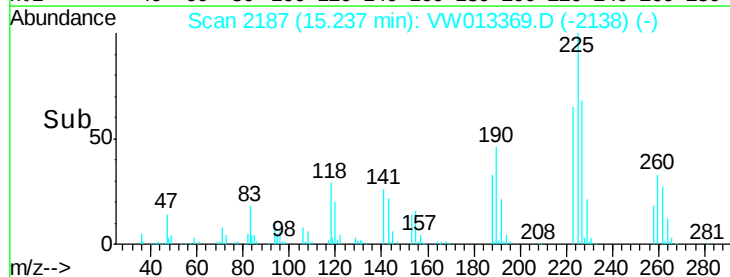
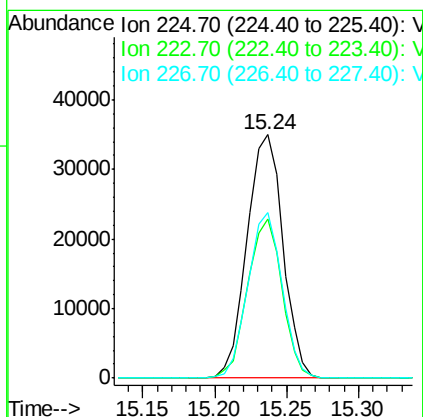
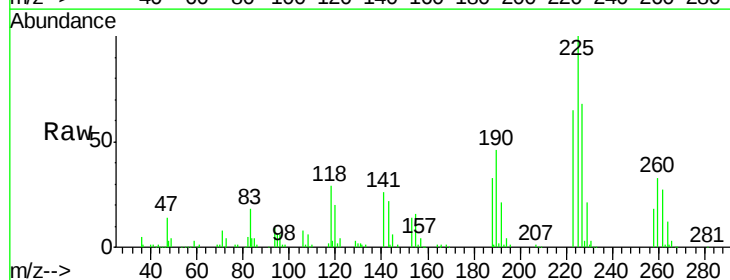
Manual Integrations
APPROVED

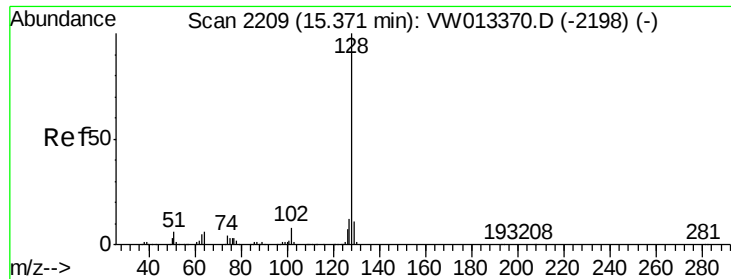
MMDadoda
10/7/2019 8:22:39 AM



#94
Hexachlorobutadiene
Concen: 19.363 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	32.2	96.6	
227	64.8	32.3	96.9	





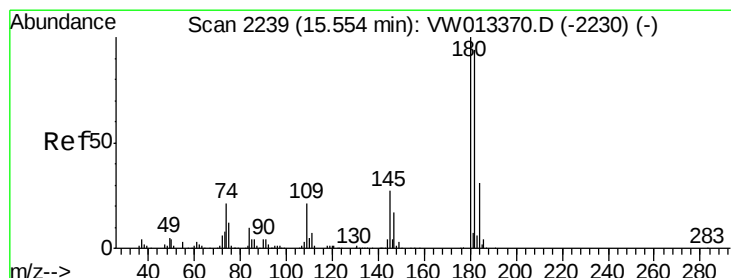
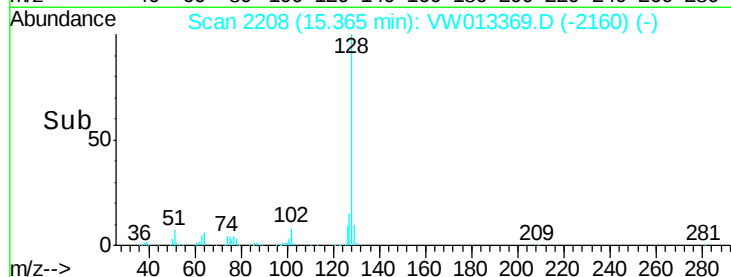
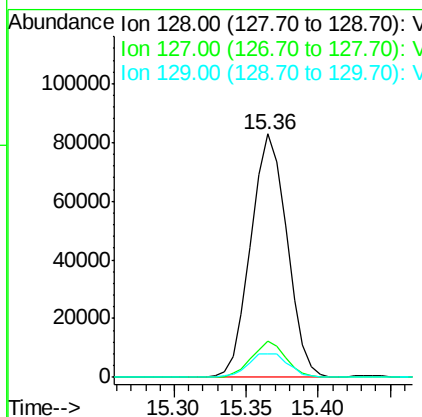
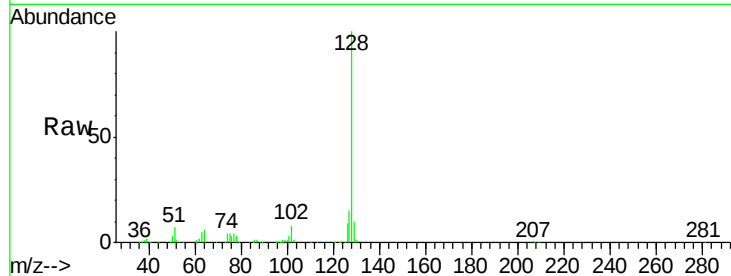
#95
Naphthalene
Concen: 18.984 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	144165		
127	14.0		10.5	15.7
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/7/2019 8:22:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.398 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013369.D
Acq: 01 Oct 2019 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	78428		
182	93.8		47.6	142.9
145	28.4		14.9	44.7

