

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013371.D
 Acq On : 01 Oct 2019 14:46
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 8:22:47 AM

Quant Time: Oct 01 15:54:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	383562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	552441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	477136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229444	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	286889	91.65	ug/l	0.00
Spiked Amount			Recovery	=	183.30%	
35) Dibromofluoromethane	7.88	113	294532	96.94	ug/l	0.00
Spiked Amount			Recovery	=	193.88%	
50) Toluene-d8	10.32	98	1223229	96.19	ug/l	0.00
Spiked Amount			Recovery	=	192.38%	
62) 4-Bromofluorobenzene	12.62	95	405581	93.37	ug/l	0.00
Spiked Amount			Recovery	=	186.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	155630	70.340	ug/l	93
3) Chloromethane	2.21	50	216288	76.047	ug/l	100
4) Vinyl Chloride	2.36	62	328353	89.551	ug/l	99
5) Bromomethane	2.76	94	210693	90.674	ug/l	97
6) Chloroethane	2.91	64	191903	88.790	ug/l	99
7) Trichlorofluoromethane	3.25	101	145551	68.841	ug/l	94
8) Diethyl Ether	3.68	74	174089	96.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	322558	93.706	ug/l	99
10) Methyl Iodide	4.27	142	537117	100.643	ug/l	98
11) Tert butyl alcohol	5.17	59	110658	426.234	ug/l	97
12) 1,1-Dichloroethene	4.04	96	342976	96.220	ug/l	99
13) Acrolein	3.89	56	142402	790.227	ug/l	99
14) Allyl chloride	4.66	41	522928	92.180	ug/l	98
15) Acrylonitrile	5.36	53	376803	483.402	ug/l	99
16) Acetone	4.12	43	409434	579.979	ug/l	97
17) Carbon Disulfide	4.38	76	994487	96.527	ug/l	99
18) Methyl Acetate	4.67	43	185739	93.599	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	508764	93.129	ug/l	99
20) Methylene Chloride	4.92	84	353090	88.261	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	370568	96.187	ug/l	99
22) Diisopropyl ether	6.31	45	1017032	94.278	ug/l	98
23) Vinyl Acetate	6.25	43	3094857	483.590	ug/l	99
24) 1,1-Dichloroethane	6.21	63	612520	94.096	ug/l	99
25) 2-Butanone	7.16	43	538028	507.697	ug/l	95
26) 2,2-Dichloropropane	7.16	77	345402	79.906	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	400621	98.536	ug/l	96
28) Bromochloromethane	7.51	49	240730	96.355	ug/l	95
29) Tetrahydrofuran	7.52	42	312419	480.715	ug/l	98
30) Chloroform	7.67	83	589108	92.436	ug/l	98
31) Cyclohexane	7.95	56	617234	90.963	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	472348	91.510	ug/l	98
36) 1,1-Dichloropropene	8.08	75	502152	93.847	ug/l	99
37) Ethyl Acetate	7.25	43	215866	94.924	ug/l	98
38) Carbon Tetrachloride	8.07	117	447338	93.261	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	665775	96.821	ug/l	97
40) Benzene	8.32	78	1431012	95.881	ug/l	99
41) Methacrylonitrile	7.48	41	135272	99.666	ug/l	98
42) 1,2-Dichloroethane	8.40	62	369267	92.038	ug/l	98
43) Isopropyl Acetate	8.42	43	416649	95.595	ug/l	99
44) Trichloroethene	9.09	130	407919	97.414	ug/l	96
45) 1,2-Dichloropropane	9.37	63	353203	96.933	ug/l	99
46) Dibromomethane	9.46	93	171227	96.790	ug/l	96
47) Bromodichloromethane	9.64	83	443661	98.560	ug/l	99
48) Methyl methacrylate	9.43	41	212962	103.911	ug/l	96
49) 1,4-Dioxane	9.46	88	49261	1855.077	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	1045071	478.292	ug/l	98
52) Toluene	10.38	92	934671	97.715	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	467093	100.998	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	560847	99.740	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	256204	96.894	ug/l	97
56) Ethyl methacrylate	10.65	69	358226	103.519	ug/l	98
57) 1,3-Dichloropropane	10.93	76	448415	97.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	662910	413.796	ug/l	97
59) 2-Hexanone	10.97	43	784387	521.784	ug/l	99
60) Dibromochloromethane	11.13	129	305309	101.688	ug/l	99
61) 1,2-Dibromoethane	11.23	107	250148	99.500	ug/l	100
64) Tetrachloroethene	10.86	164	351231	97.020	ug/l	96
65) Chlorobenzene	11.66	112	970102	97.365	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	342466	100.611	ug/l	99
67) Ethyl Benzene	11.73	91	1735274	96.122	ug/l	96
68) m/p-Xylenes	11.84	106	1334803	194.032	ug/l	100
69) o-Xylene	12.16	106	617114	96.487	ug/l	94
70) Styrene	12.18	104	1044039	95.083	ug/l	99
71) Bromoform	12.35	173	186133	103.507	ug/l #	99
73) Isopropylbenzene	12.46	105	1661816	98.047	ug/l	98
74) N-amyl acetate	12.27	43	354454	94.244	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	270579	95.455	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	217119m	107.151	ug/l	
77) Bromobenzene	12.75	156	409348	101.917	ug/l	98
78) n-propylbenzene	12.80	91	1978201	99.710	ug/l	99
79) 2-Chlorotoluene	12.89	91	1080039	97.171	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1395229	97.927	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	94281	104.407	ug/l	94
82) 4-Chlorotoluene	12.99	91	1133141	96.676	ug/l	100
83) tert-Butylbenzene	13.21	119	1245775	99.620	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1349800	95.206	ug/l	99
85) sec-Butylbenzene	13.38	105	1633748	94.760	ug/l	98
86) p-Isopropyltoluene	13.50	119	1564467	97.834	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	736026	95.217	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	743643	98.090	ug/l	99
89) n-Butylbenzene	13.82	91	1413127	96.780	ug/l	99
90) Hexachloroethane	14.09	117	265981	99.012	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	652928	97.635	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	41558	95.851	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	489019	102.048	ug/l	98
94) Hexachlorobutadiene	15.24	225	309114	94.286	ug/l	99
95) Naphthalene	15.36	128	836048	106.672	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	418263	101.013	ug/l	99

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

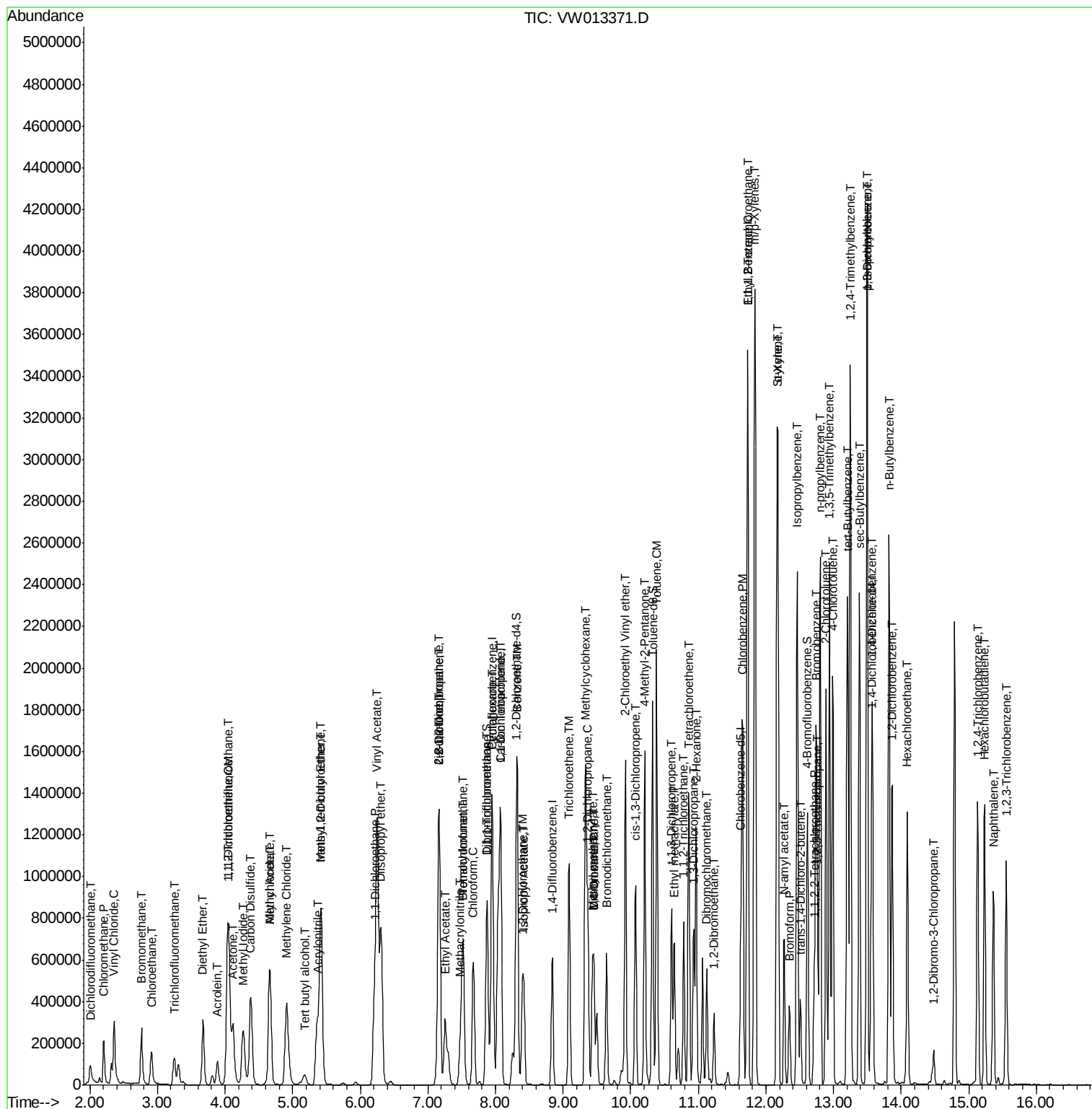
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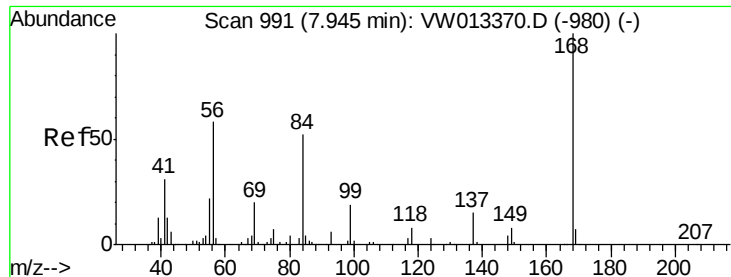
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

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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: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 383562

Ion Ratio Lower Upper

168 100

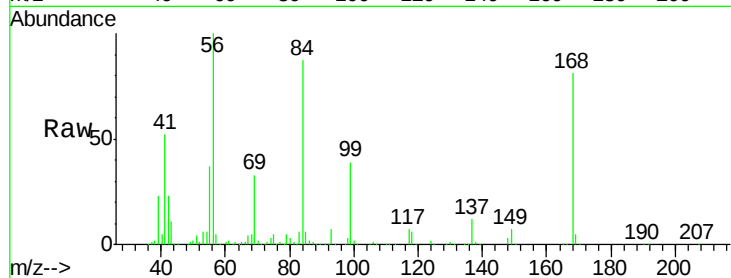
99 48.6 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

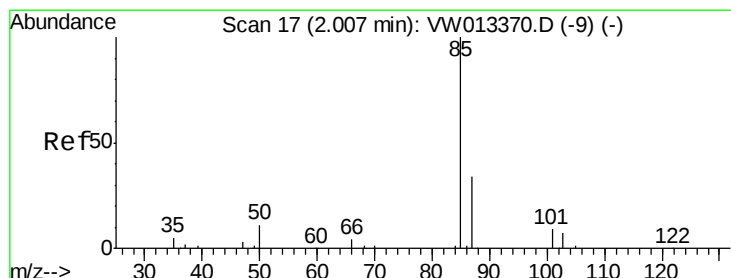
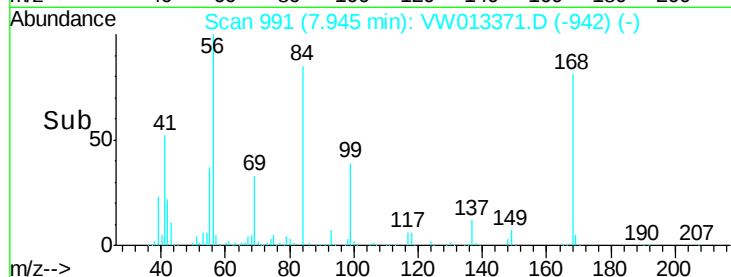
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 70.340 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013371.D

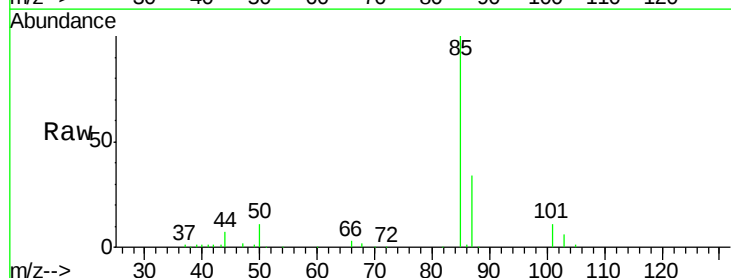
Acq: 01 Oct 2019 14:46

Tgt Ion: 85 Resp: 155630

Ion Ratio Lower Upper

85 100

87 33.8 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

30000

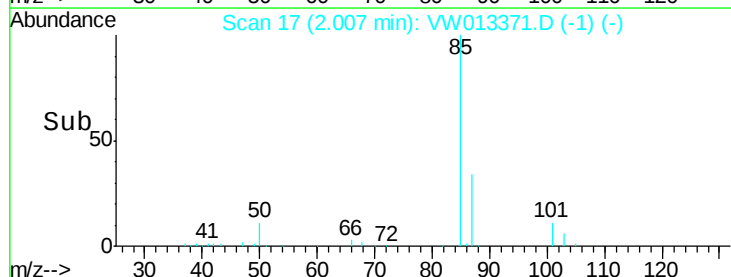
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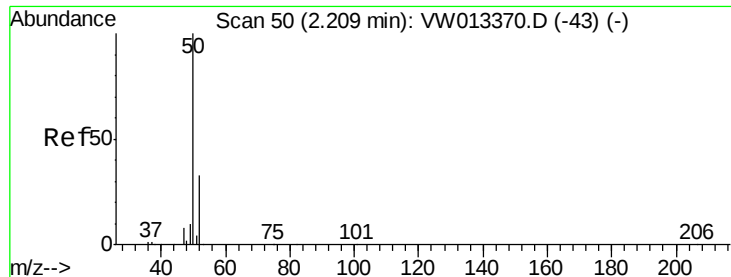
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0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 76.047 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 216288

Ion Ratio Lower Upper

50 100

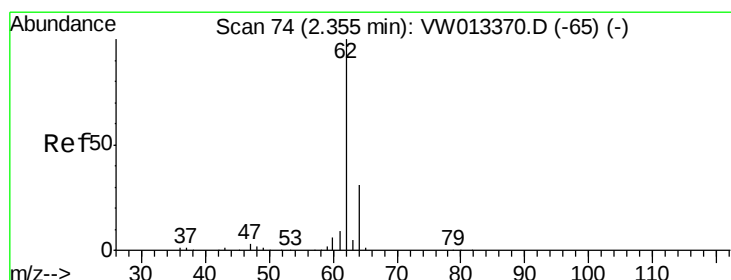
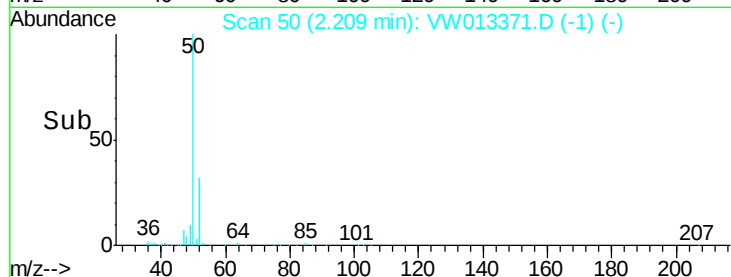
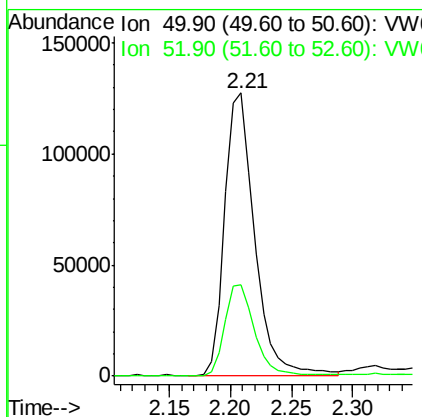
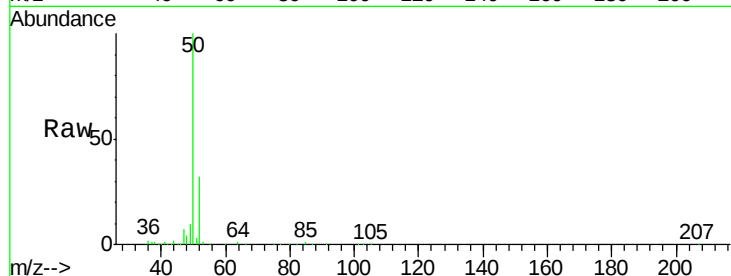
52 32.4 26.1 39.1

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#4

Vinyl Chloride

Concen: 89.551 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013371.D

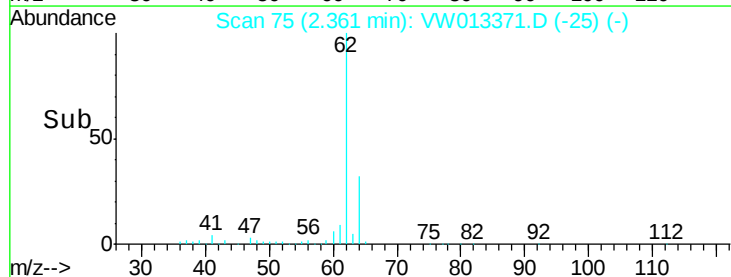
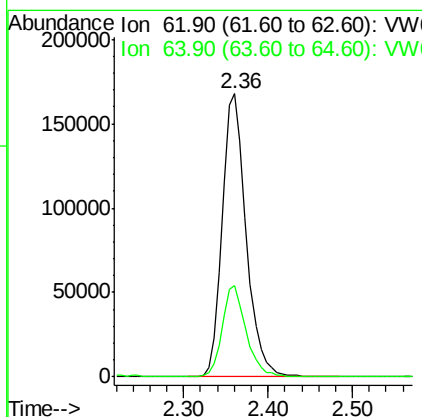
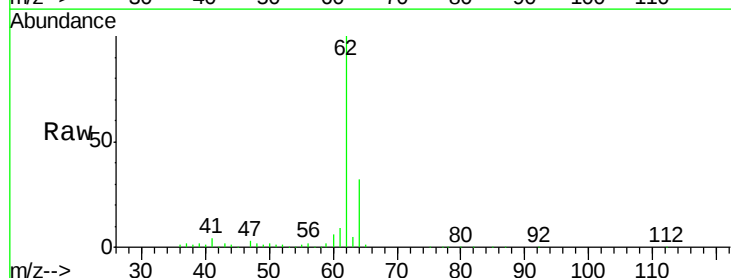
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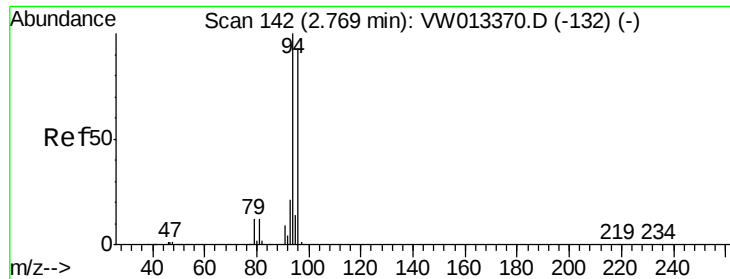
Tgt Ion: 62 Resp: 328353

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 90.674 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 210693

Ion Ratio Lower Upper

94 100

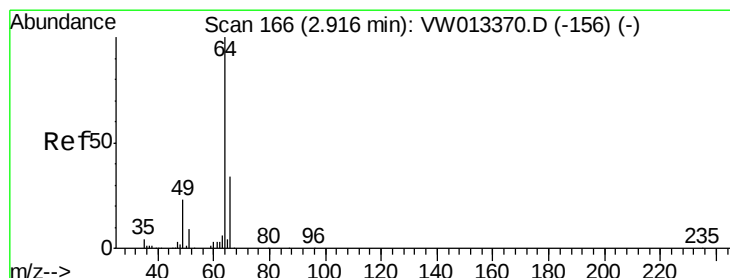
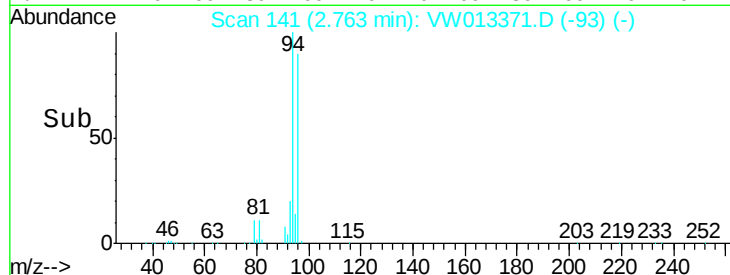
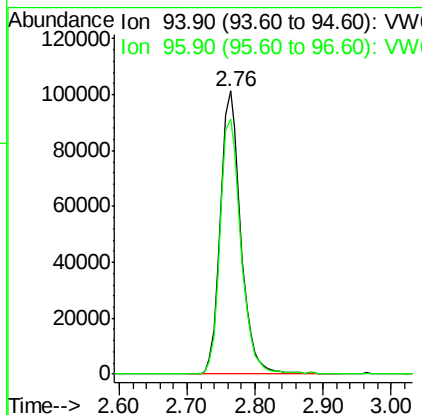
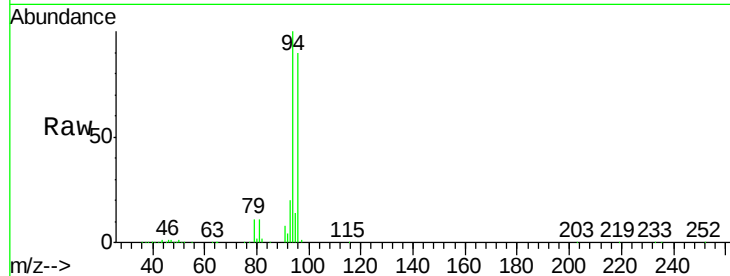
96 90.2 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 88.790 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013371.D

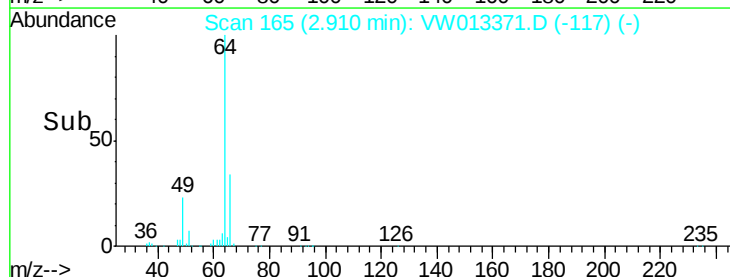
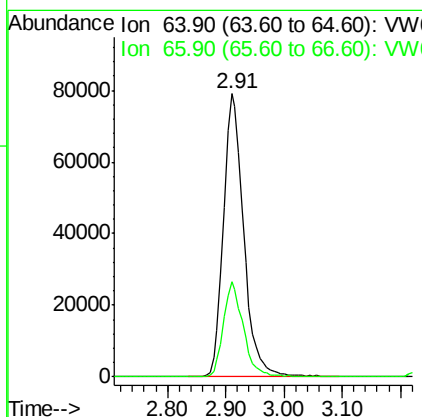
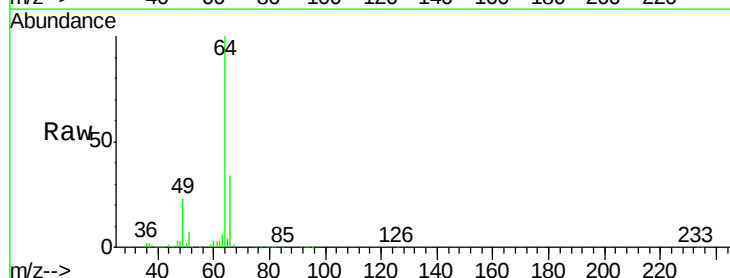
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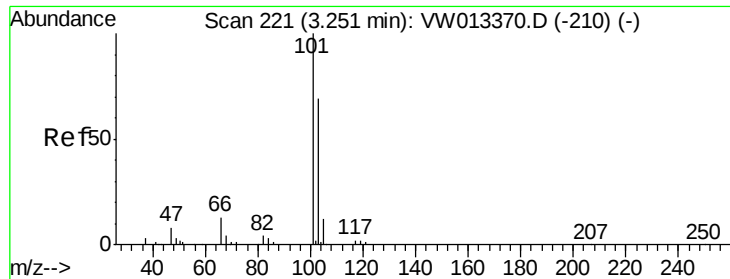
Tgt Ion: 64 Resp: 191903

Ion Ratio Lower Upper

64 100

66 33.7 26.6 39.8





#7

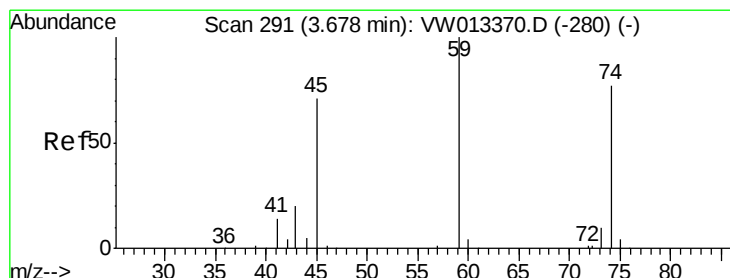
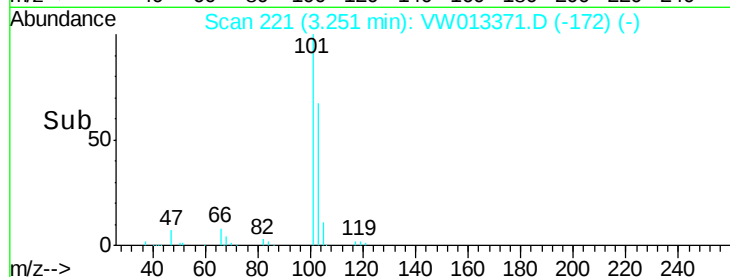
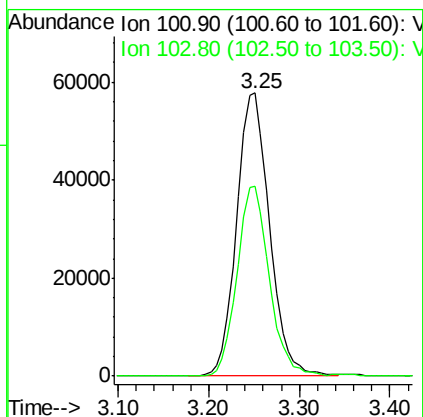
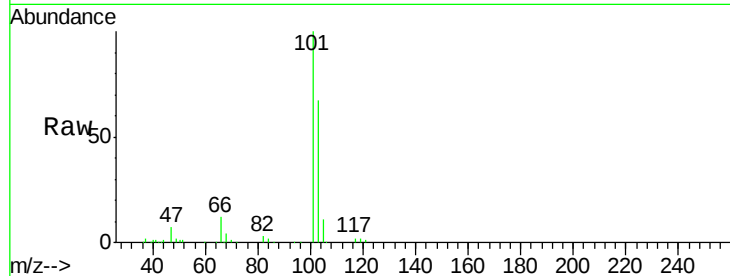
Trichlorofluoromethane
Concen: 68.841 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	49.7	74.5

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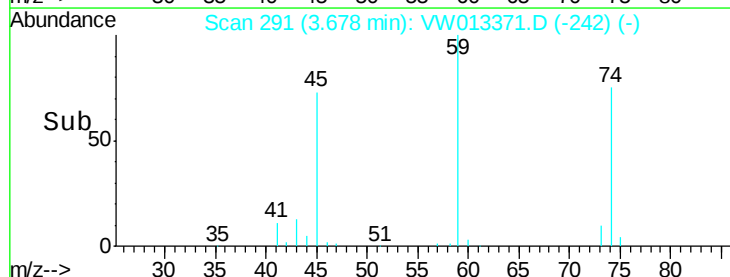
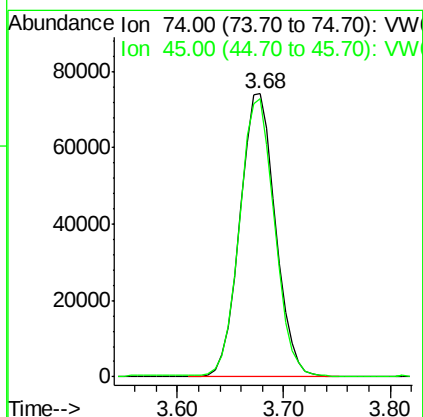
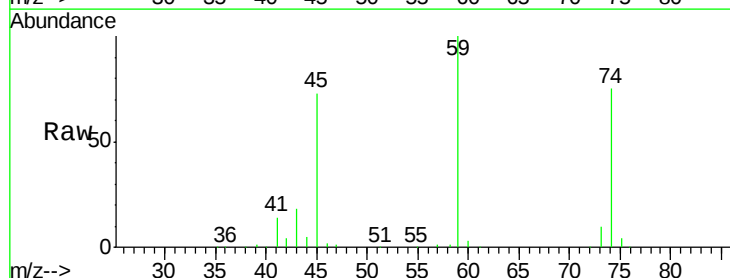
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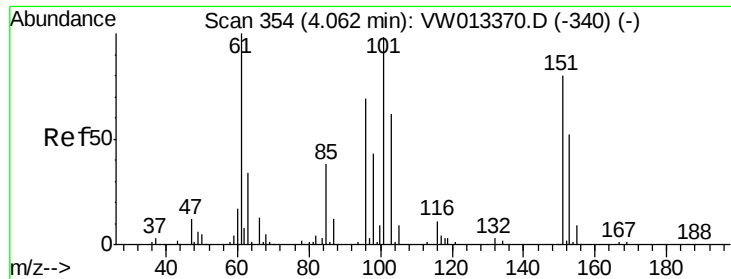


#8

Diethyl Ether
Concen: 96.398 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013371.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.706 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

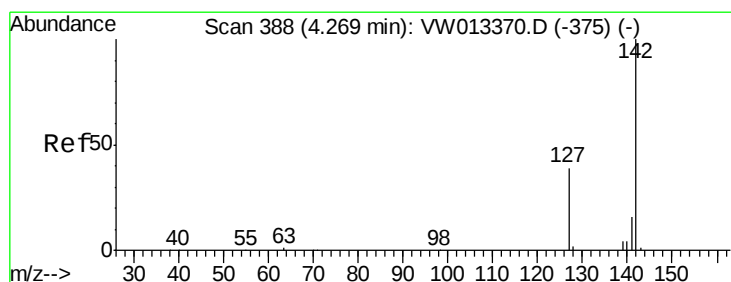
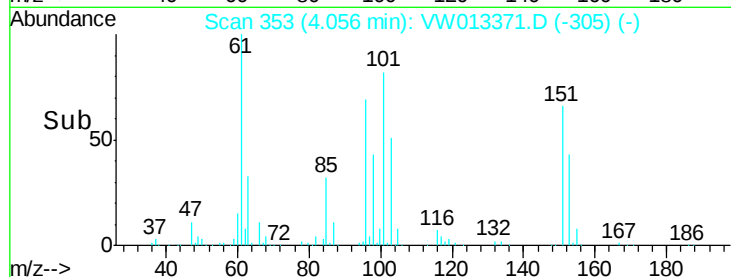
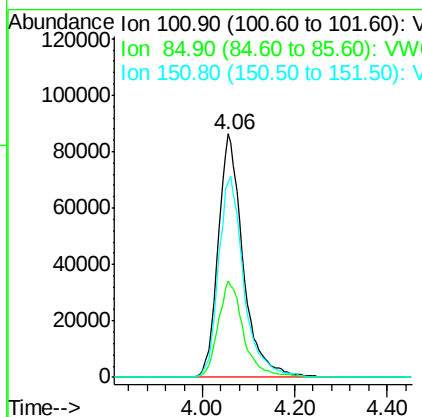
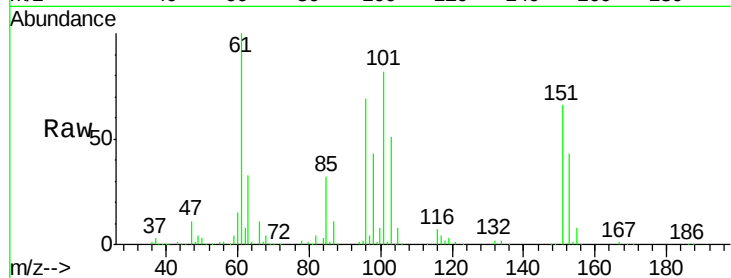
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	322558
Ion Ratio	Lower	Upper	
101	100		
85	40.3	33.4	50.0
151	83.8	66.9	100.3

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 100.643 ug/l

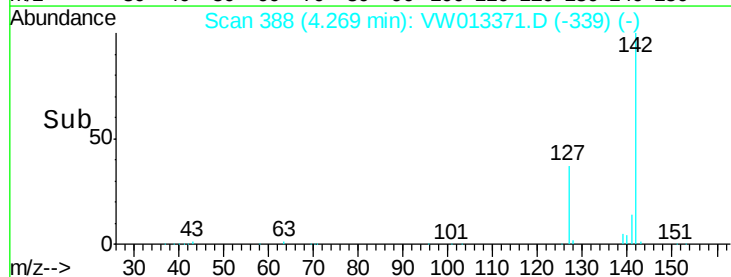
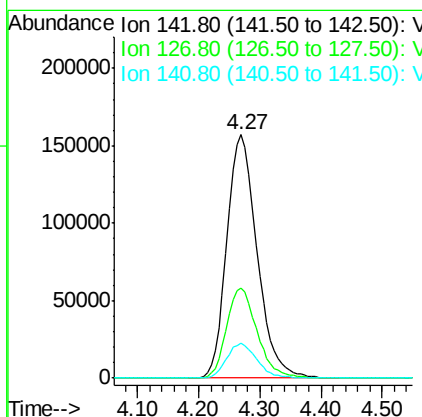
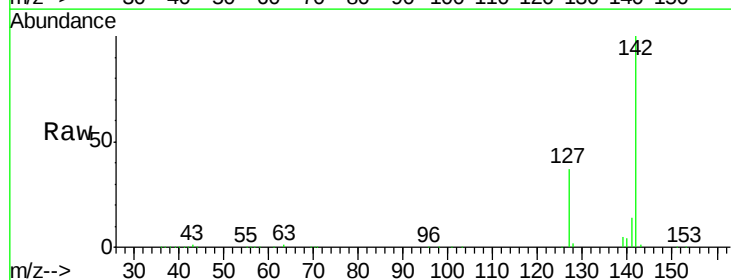
RT: 4.27 min Scan# 388

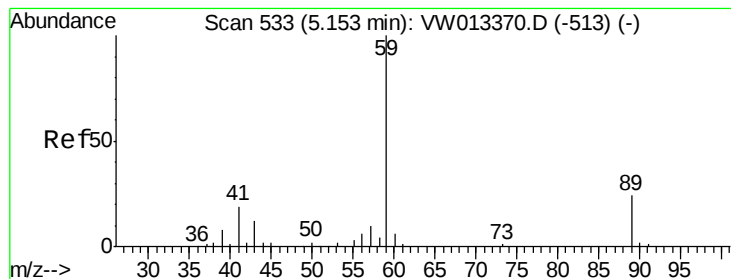
Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion:	142	Resp:	537117
Ion Ratio	Lower	Upper	
142	100		
127	37.2	30.9	46.3
141	14.3	11.7	17.5





#11

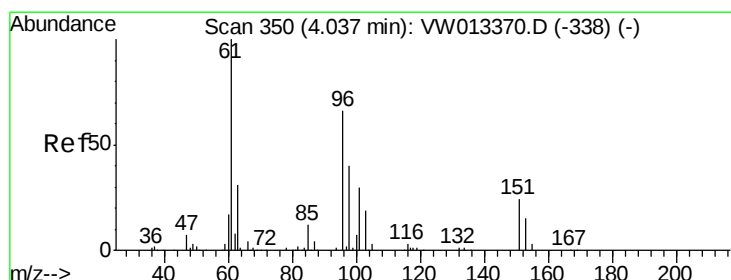
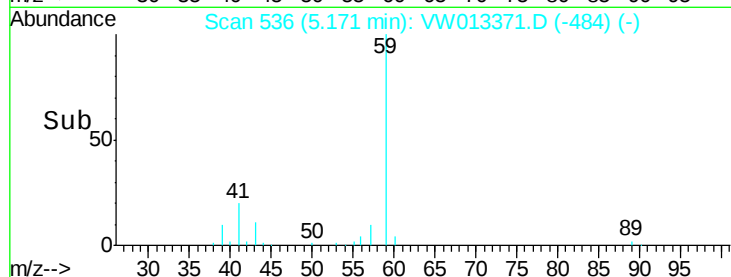
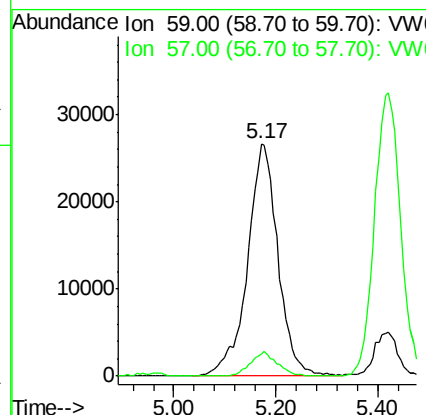
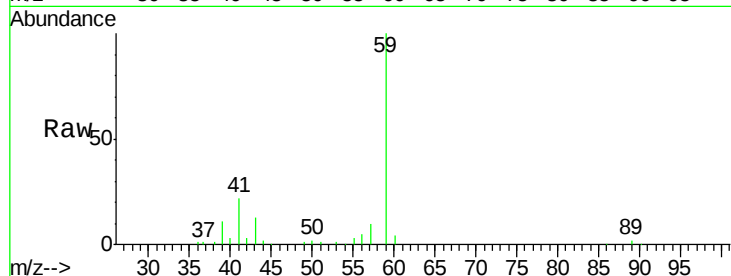
Tert butyl alcohol
Concen: 426.234 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.02 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	110658		
57	9.2		8.2	12.2

Manual Integrations
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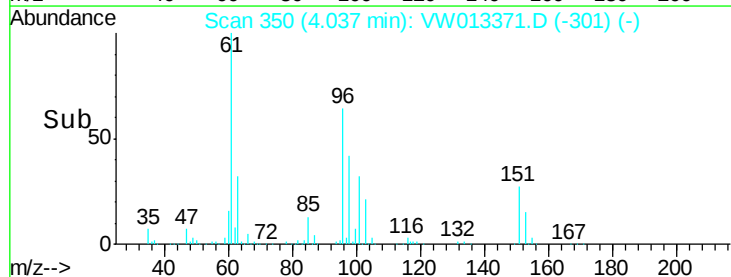
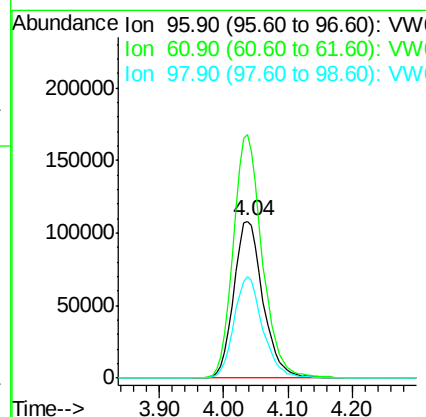
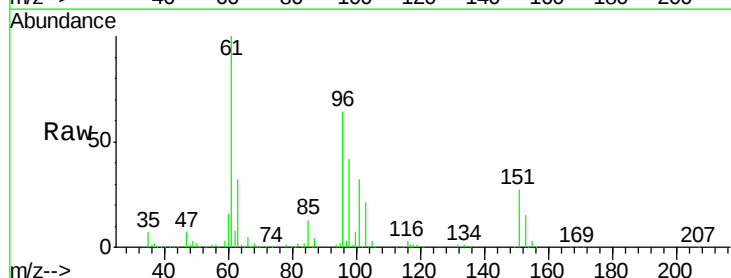
MMDadoda
10/7/2019 8:22:47 AM

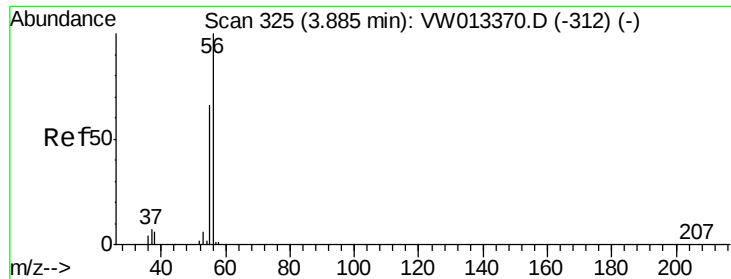


#12

1,1-Dichloroethene
Concen: 96.220 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	342976		
61	155.1		125.1	187.7
98	64.8		50.8	76.2





#13

Acrolein

Concen: 790.227 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 142402

Ion Ratio Lower Upper

56 100

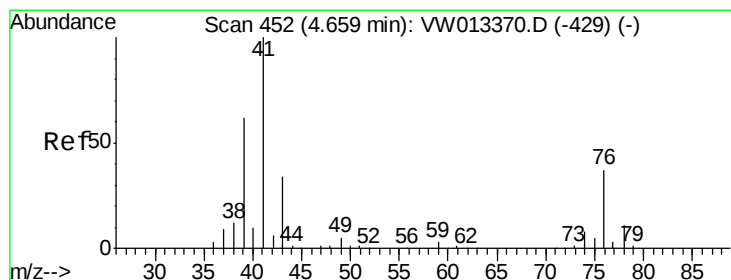
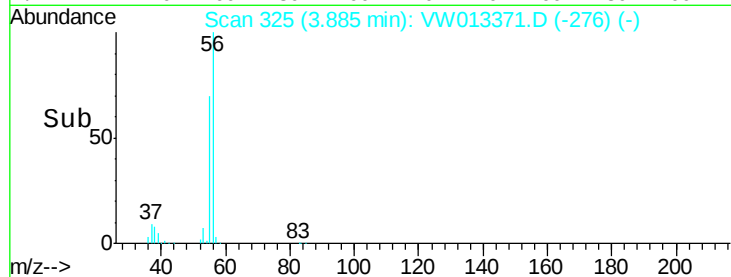
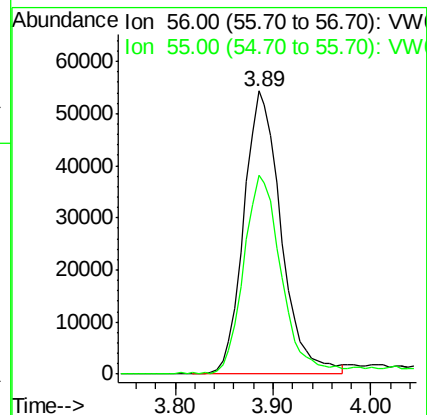
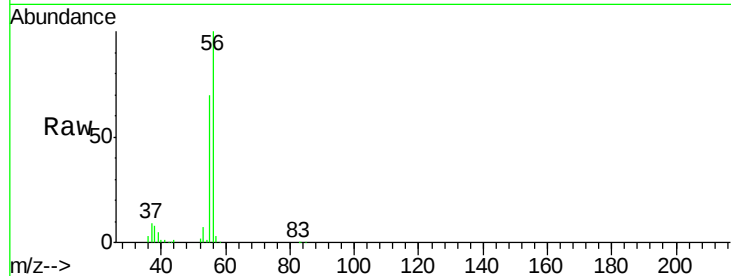
55 70.4 55.4 83.0

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 92.180 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

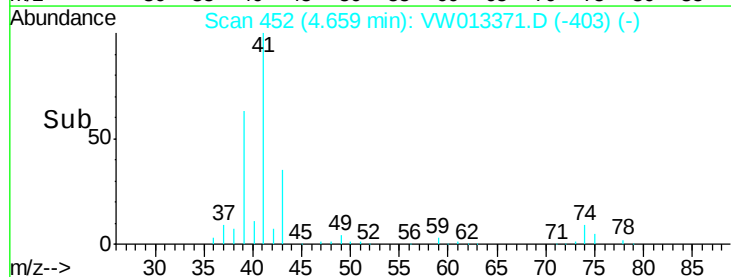
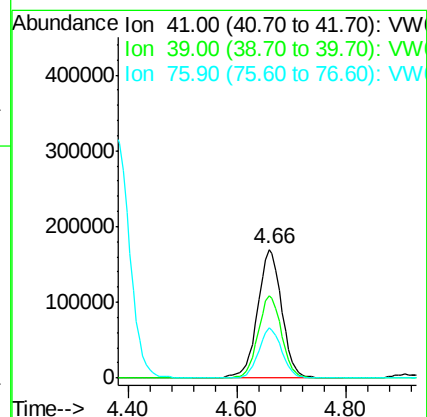
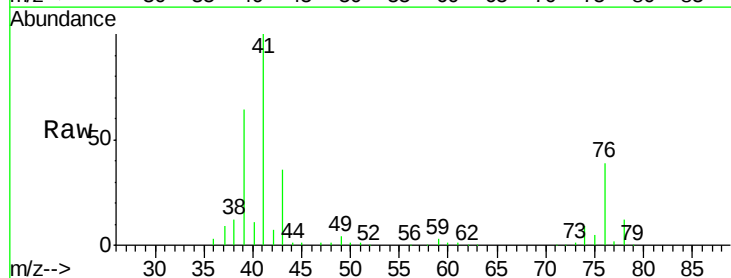
Tgt Ion: 41 Resp: 522928

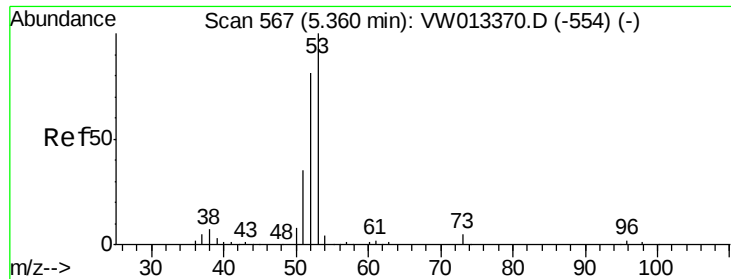
Ion Ratio Lower Upper

41 100

39 62.1 51.0 76.4

76 36.6 28.4 42.6





#15

Acrylonitrile

Concen: 483.402 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

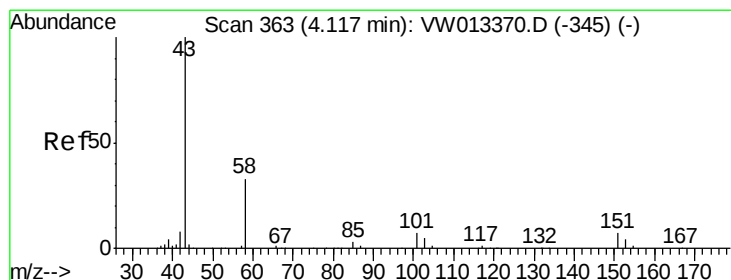
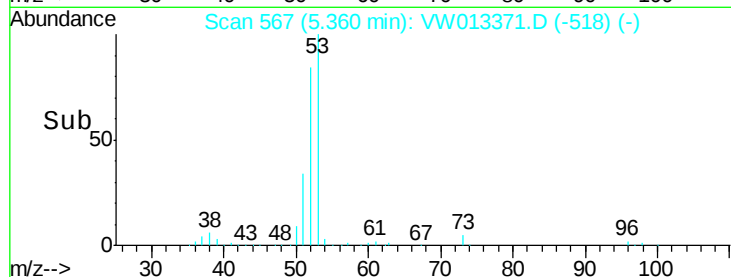
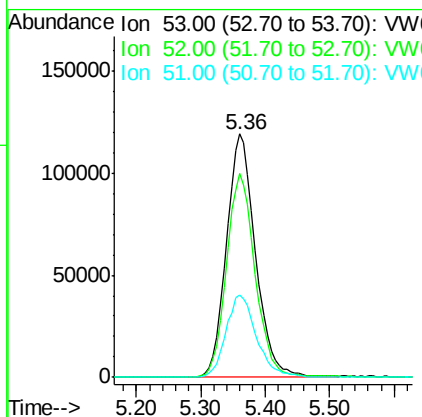
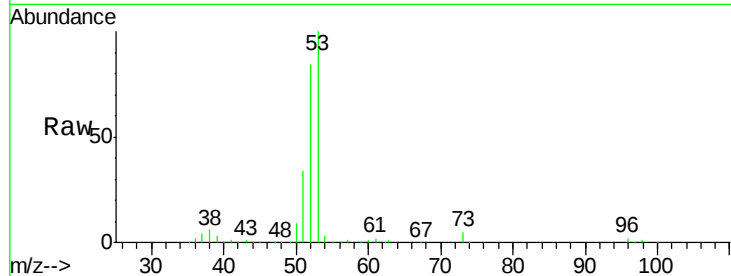
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	376803
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.3	97.9
51	35.4	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 579.979 ug/l

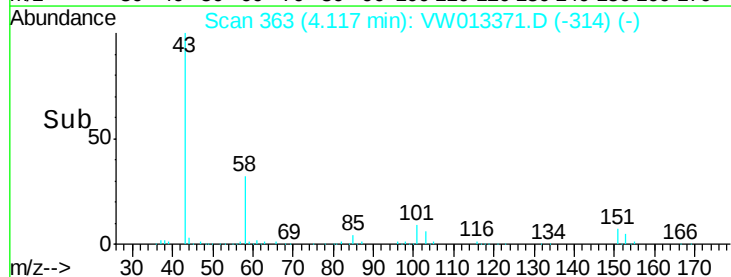
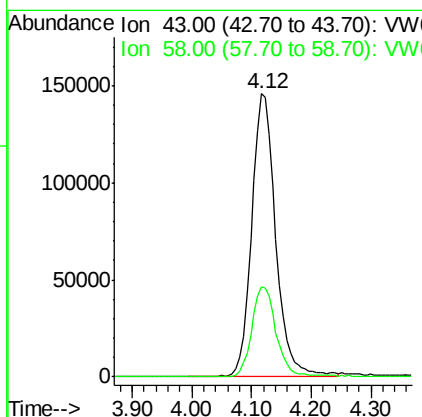
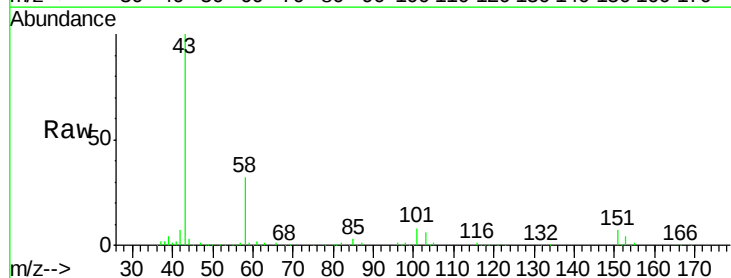
RT: 4.12 min Scan# 363

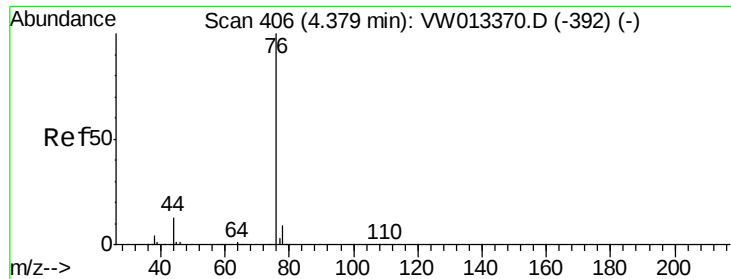
Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion:	43	Resp:	409434
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.1	36.1





#17

Carbon Disulfide

Concen: 96.527 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 994487

Ion Ratio Lower Upper

76 100

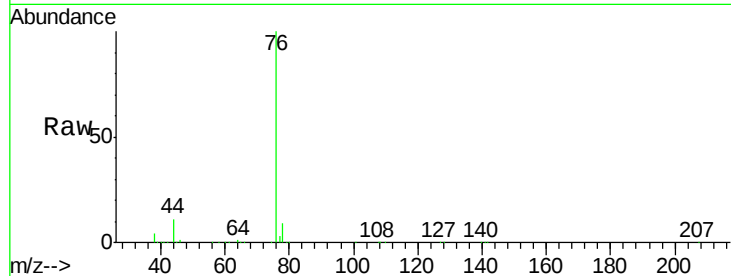
78 9.0 7.0 10.4

Manual Integrations

APPROVED

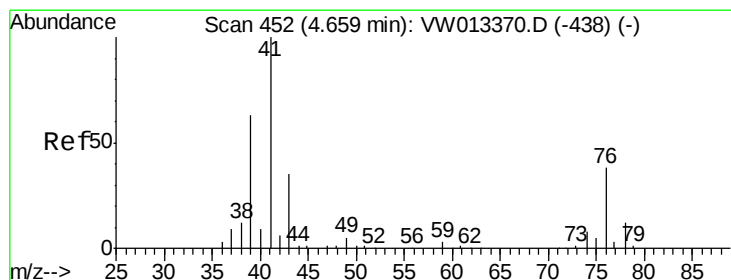
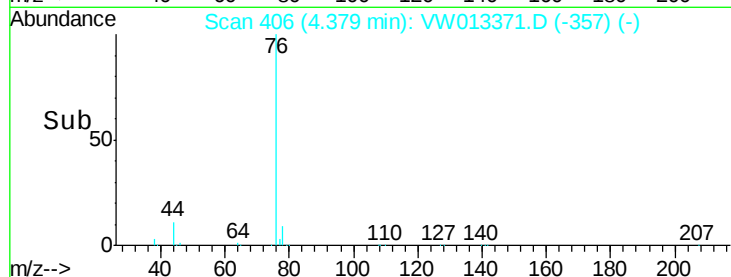
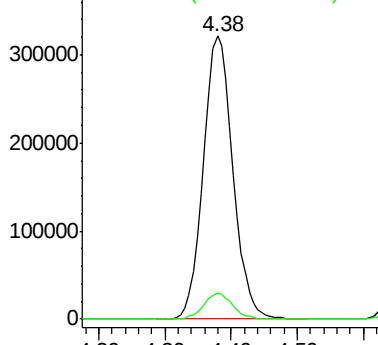
MMDadoda

10/7/2019 8:22:47 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 93.599 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013371.D

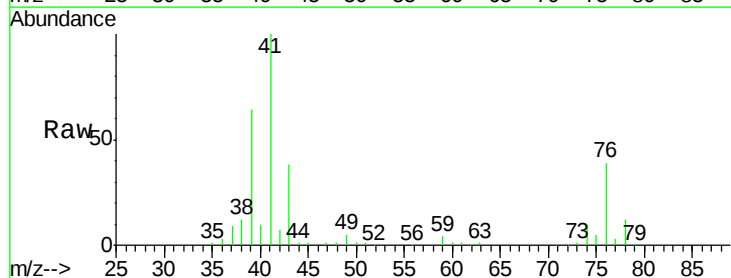
Acq: 01 Oct 2019 14:46

Tgt Ion: 43 Resp: 185739

Ion Ratio Lower Upper

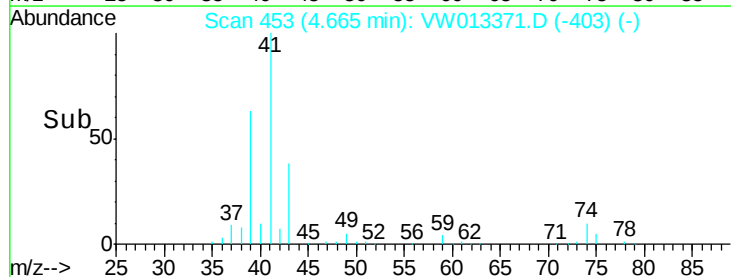
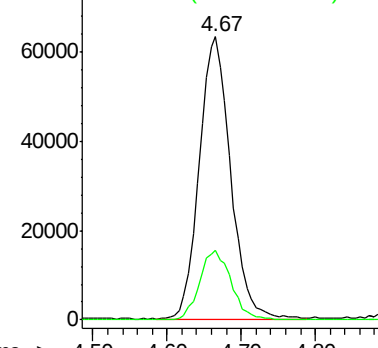
43 100

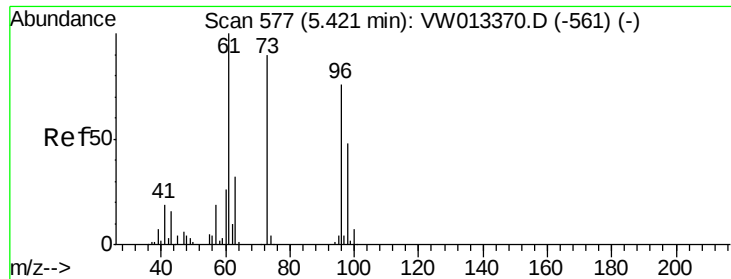
74 24.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





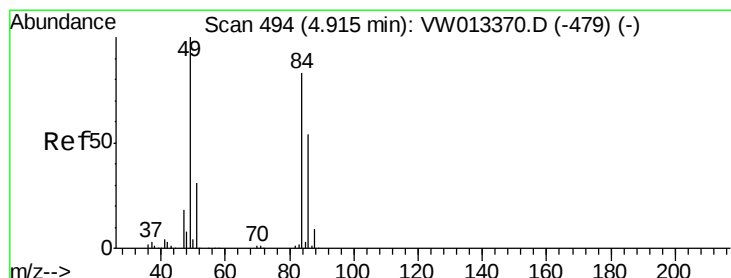
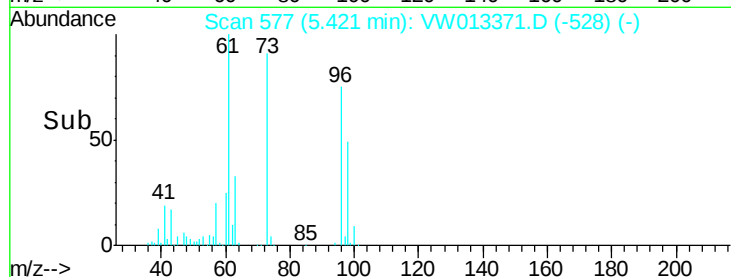
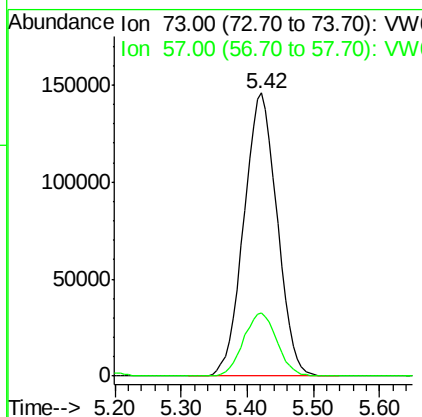
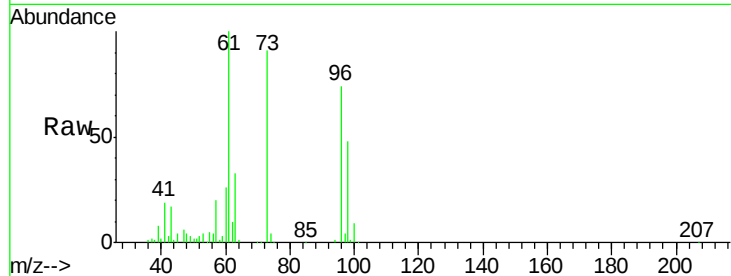
#19
Methyl tert-butyl Ether
Concen: 93.129 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 508764
Ion Ratio Lower Upper
73 100
57 22.3 17.6 26.4

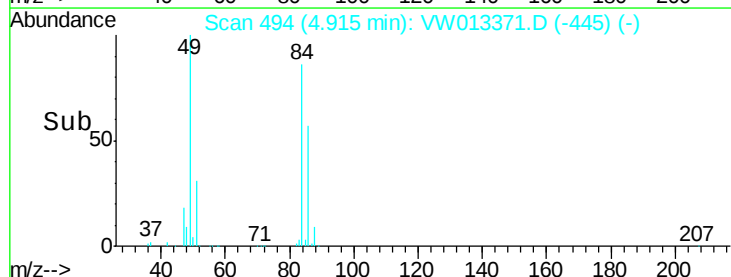
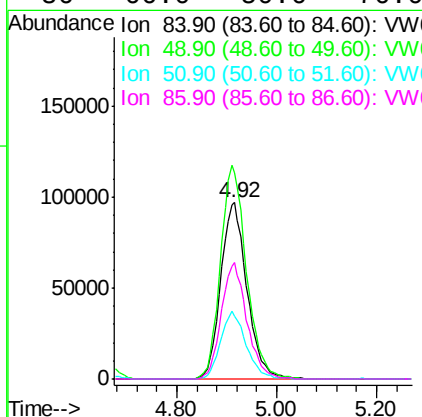
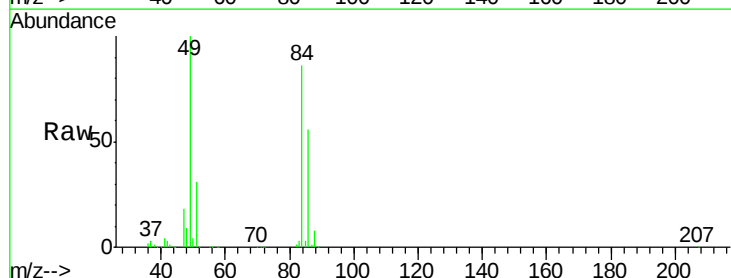
Manual Integrations
APPROVED

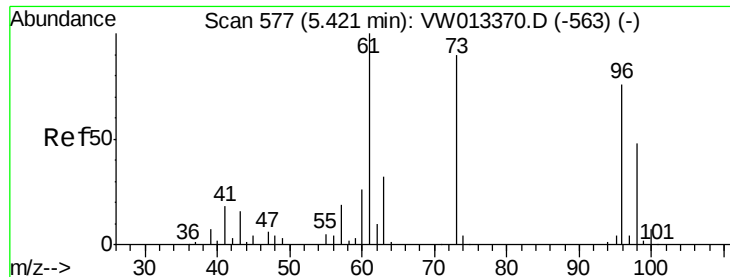
MMDadoda
10/7/2019 8:22:47 AM



#20
Methylene Chloride
Concen: 88.261 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion: 84 Resp: 353090
Ion Ratio Lower Upper
84 100
49 116.9 97.6 146.4
51 35.7 30.2 45.2
86 66.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 96.187 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 370568

Ion Ratio Lower Upper

96 100

61 132.5 106.6 159.8

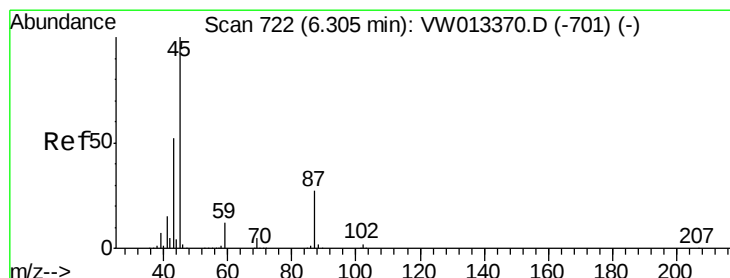
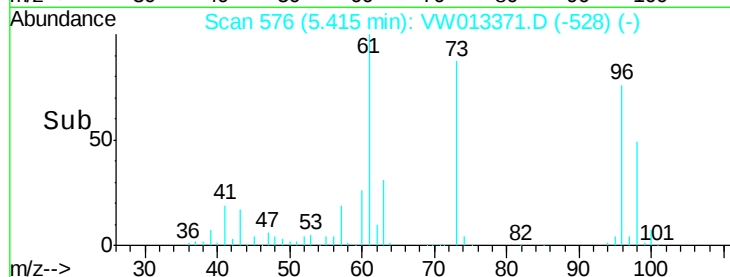
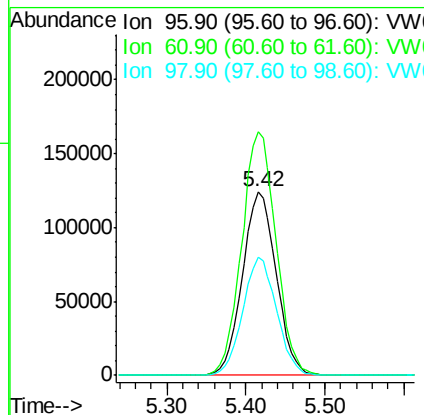
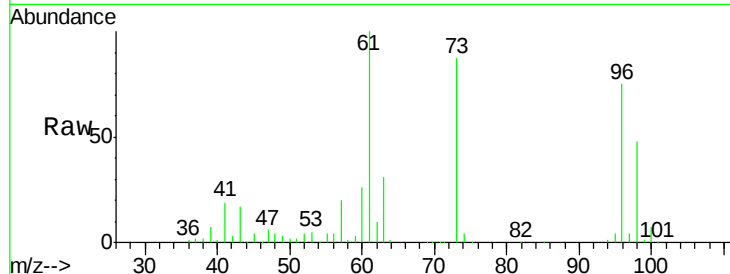
98 64.2 49.8 74.8

Manual Integrations

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MMDadoda

10/7/2019 8:22:47 AM



#22

Diisopropyl ether

Concen: 94.278 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion: 45 Resp: 1017032

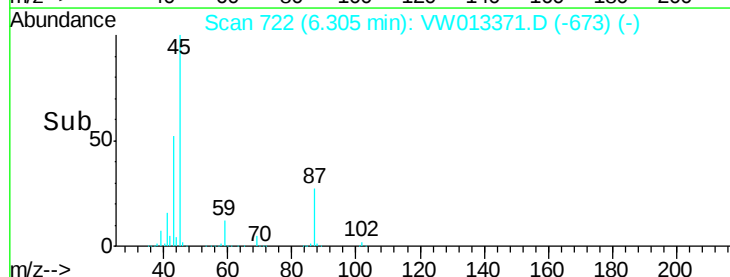
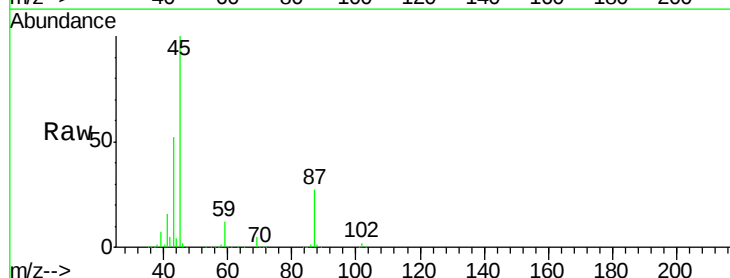
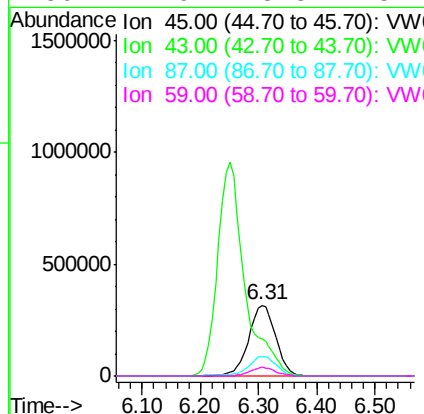
Ion Ratio Lower Upper

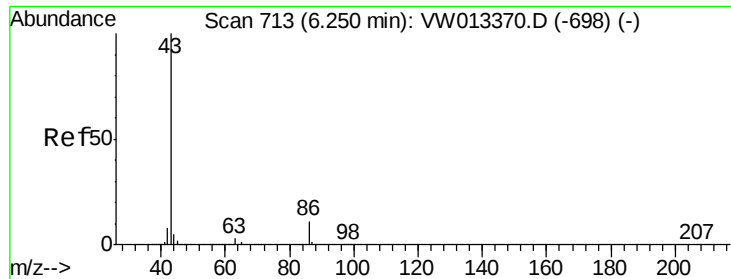
45 100

43 52.0 42.4 63.6

87 27.3 20.4 30.6

59 11.9 8.8 13.2





#23

Vinyl Acetate

Concen: 483.590 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 3094857

Ion Ratio Lower Upper

43 100

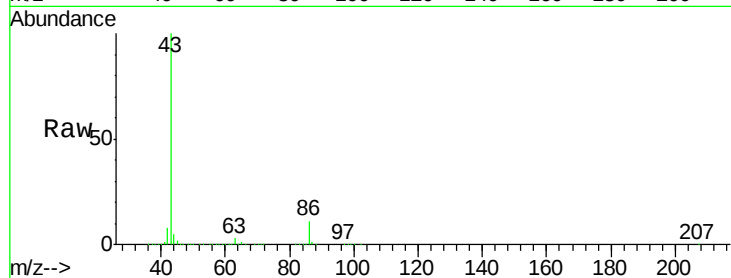
86 10.7 8.3 12.5

Manual Integrations

APPROVED

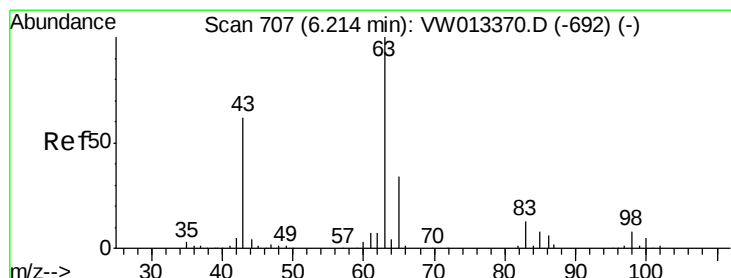
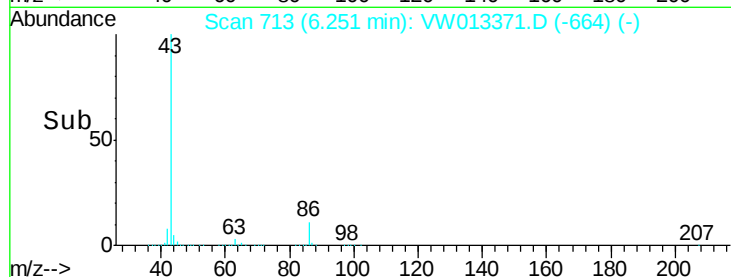
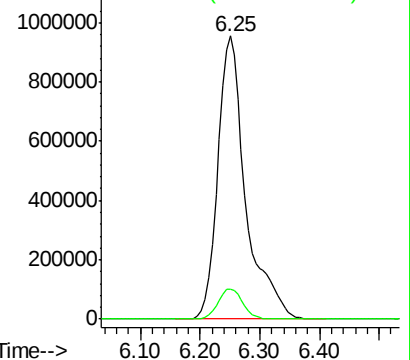
MMDadoda

10/7/2019 8:22:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 94.096 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

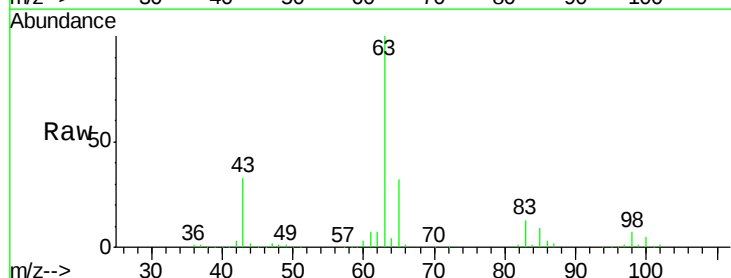
Tgt Ion: 63 Resp: 612520

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

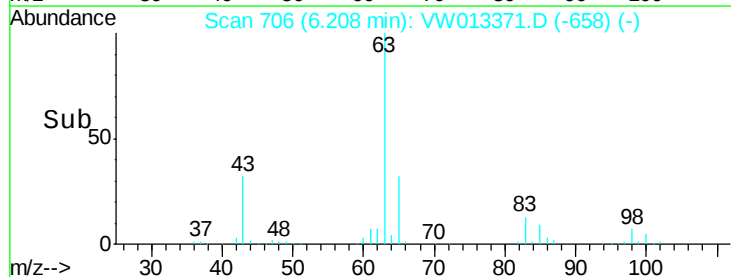
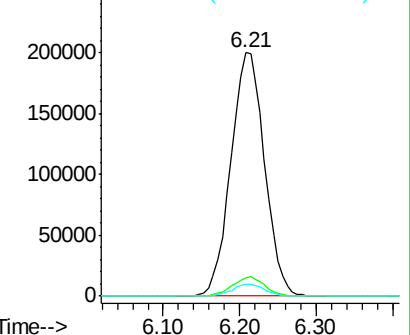
100 5.0 2.4 7.1

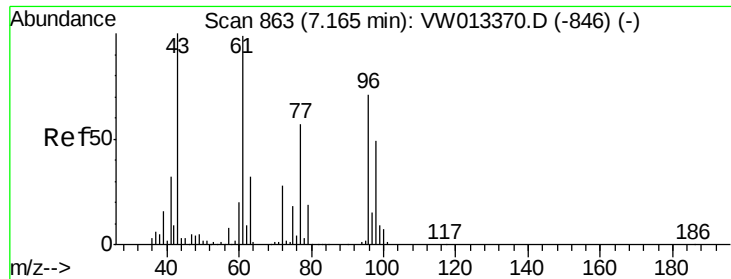


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 507.697 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 538028

Ion Ratio Lower Upper

43 100

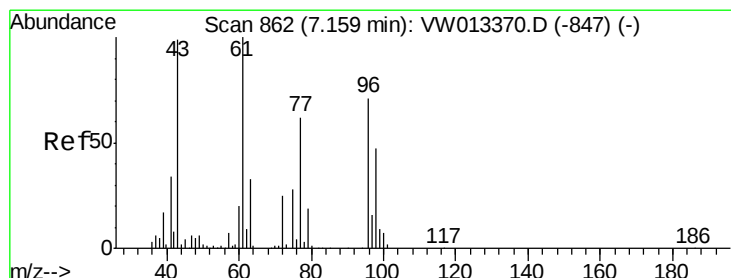
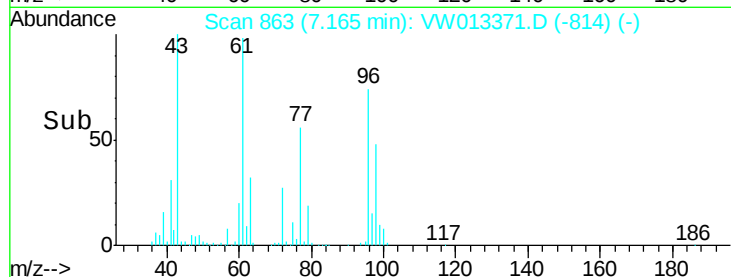
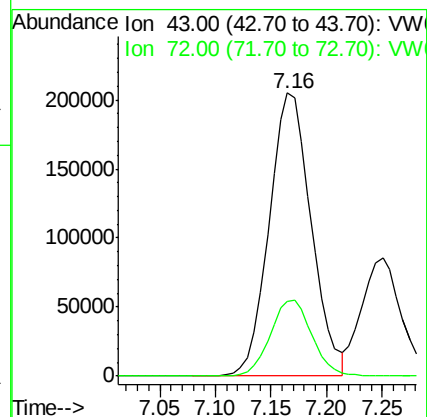
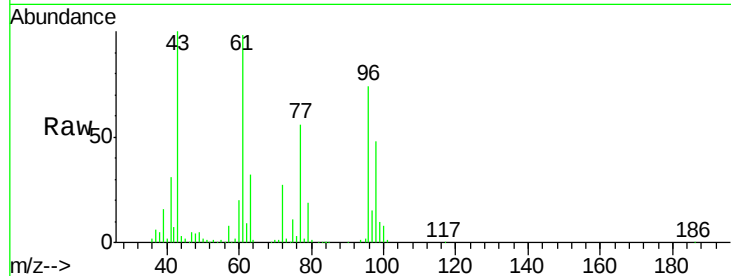
72 26.6 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 79.906 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013371.D

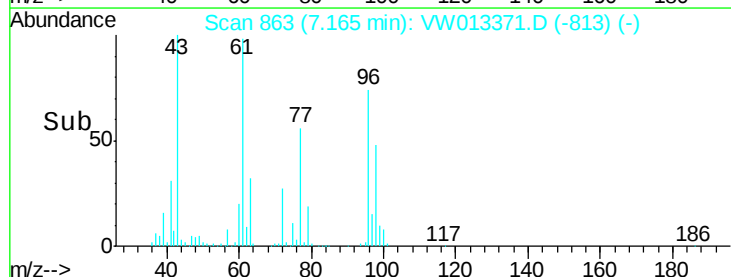
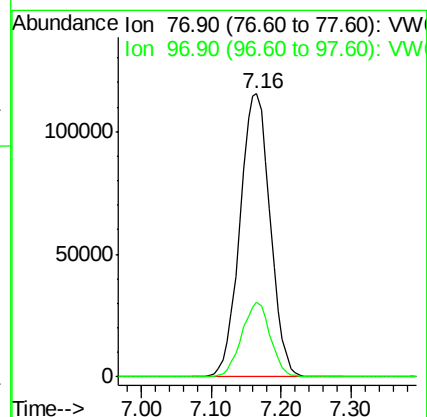
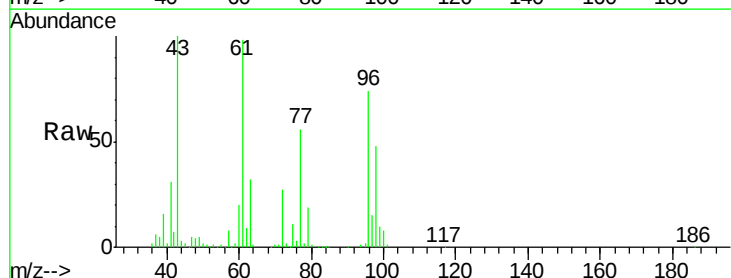
Acq: 01 Oct 2019 14:46

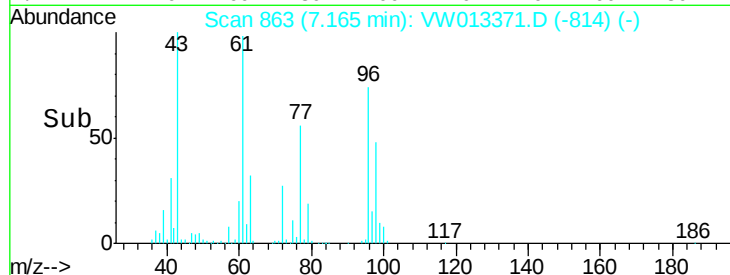
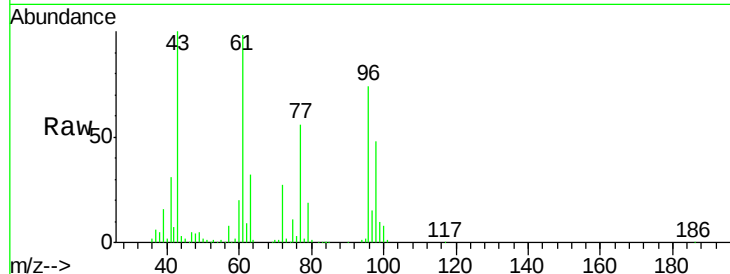
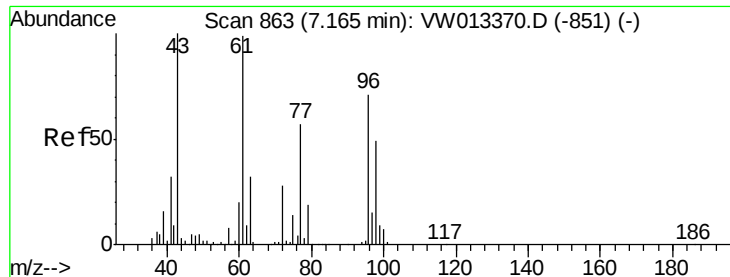
Tgt Ion: 77 Resp: 345402

Ion Ratio Lower Upper

77 100

97 25.1 11.8 35.4





#27

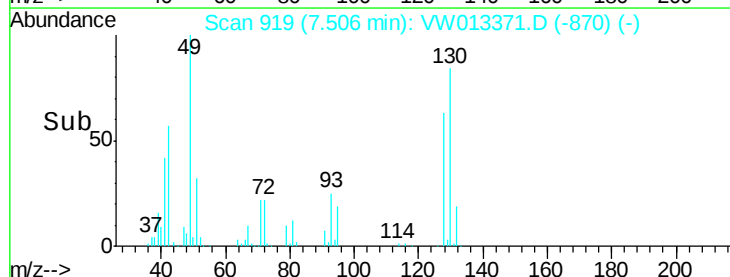
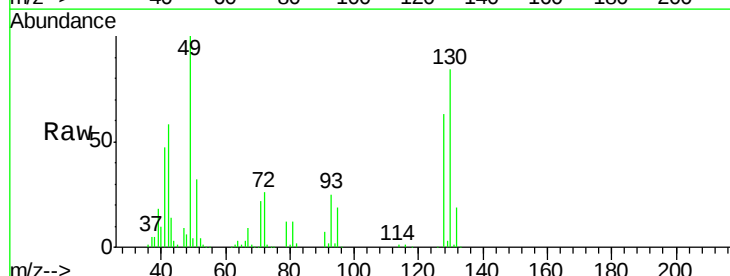
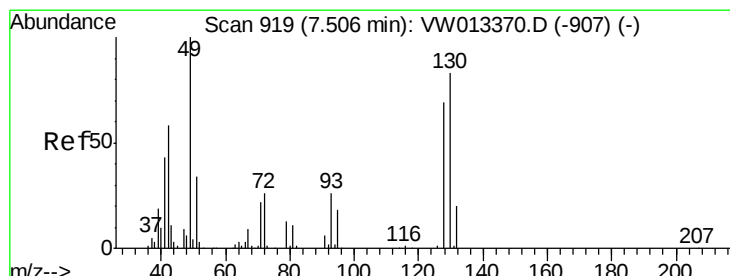
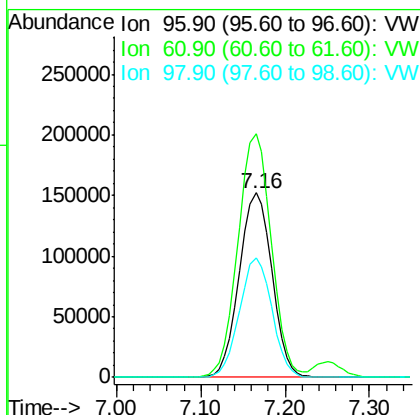
cis-1,2-Dichloroethene
Concen: 98.536 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		400621		
61	133.9	0.0	282.4		
98	64.0	0.0	128.2		

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Manual Integrations
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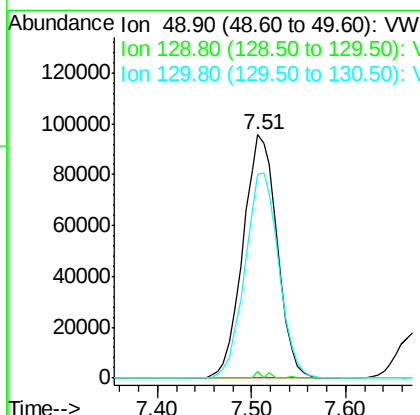
MMDadoda
10/7/2019 8:22:47 AM

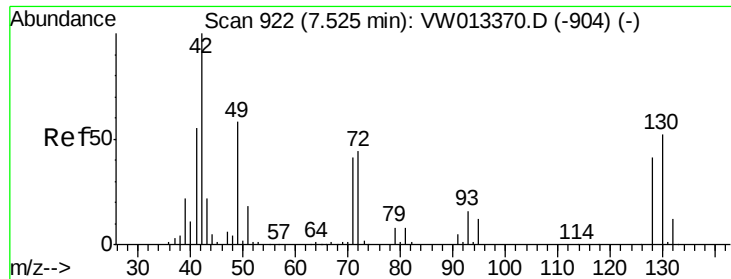


#28

Bromochloromethane
Concen: 96.355 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		240730		
129	0.7	0.0	1.0		
130	83.9	63.4	95.2		





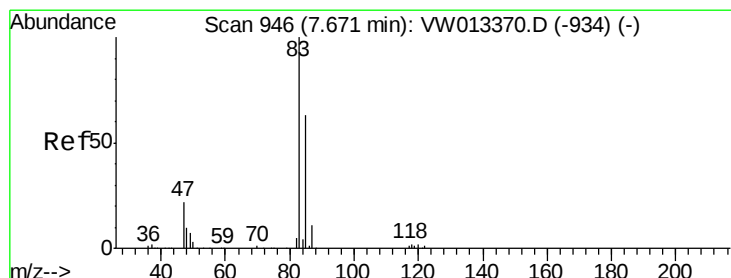
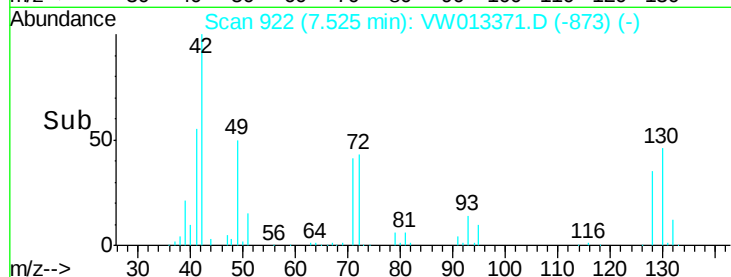
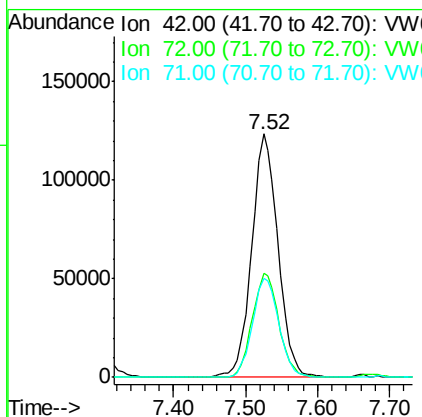
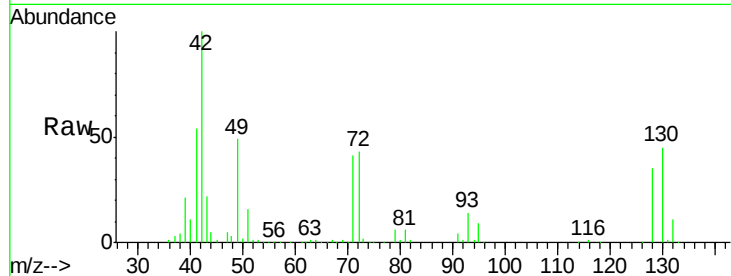
#29
Tetrahydrofuran
Concen: 480.715 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.9	50.9
71	41.1	31.9	47.9

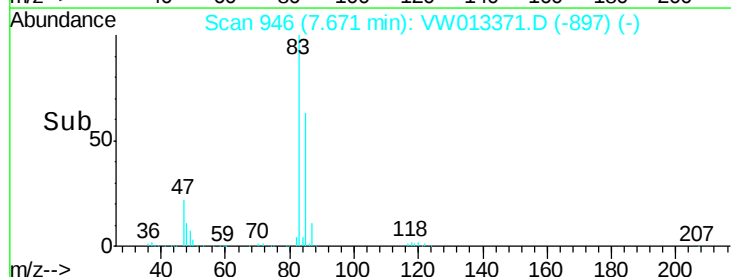
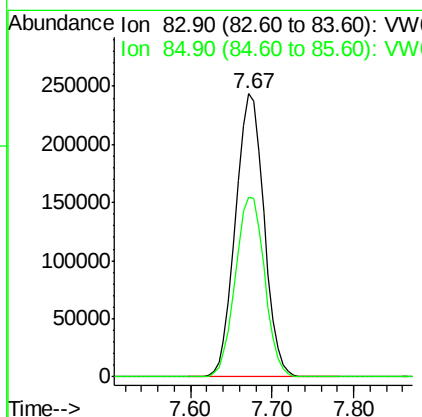
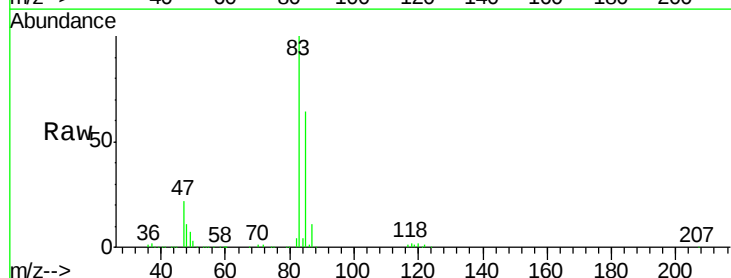
Manual Integrations
APPROVED

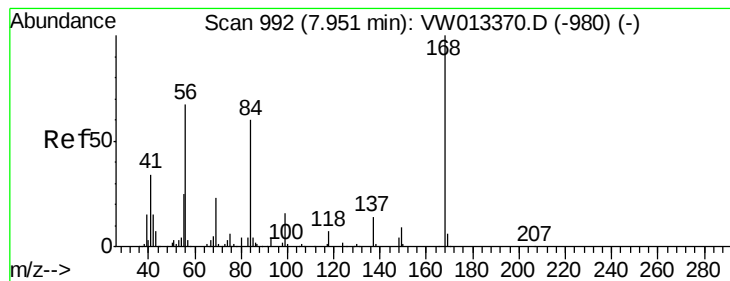
MMDadoda
10/7/2019 8:22:47 AM



#30
Chloroform
Concen: 92.436 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





#31

Cyclohexane

Concen: 90.963 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 617234

Ion Ratio Lower Upper

56 100

69 33.8 27.2 40.8

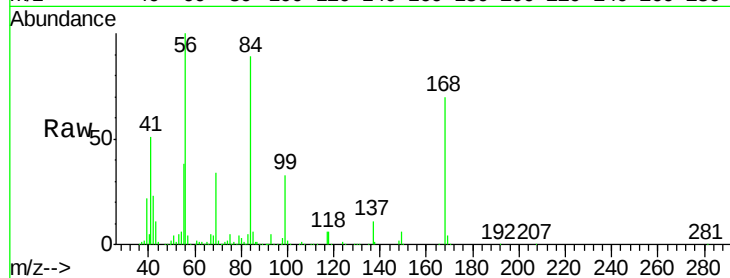
84 88.6 70.8 106.2

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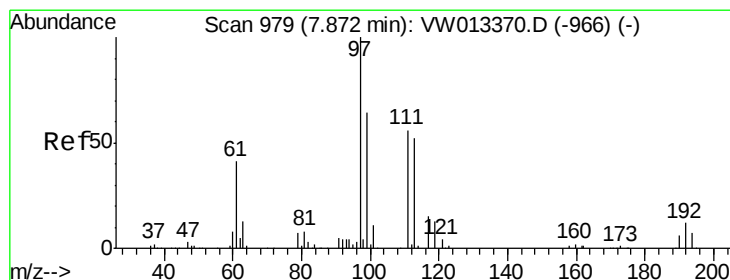
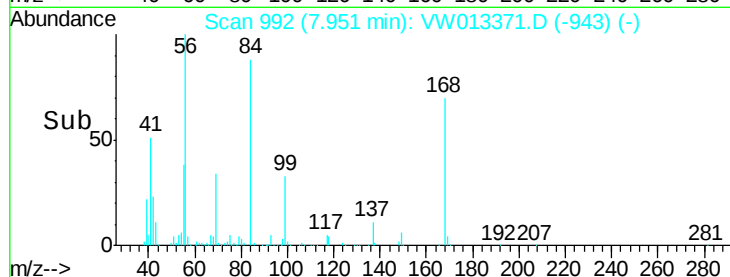
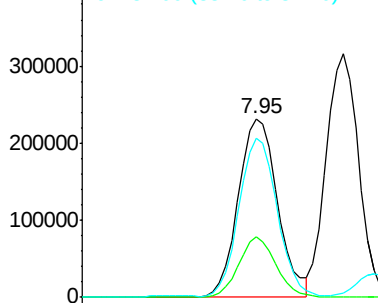


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 91.510 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

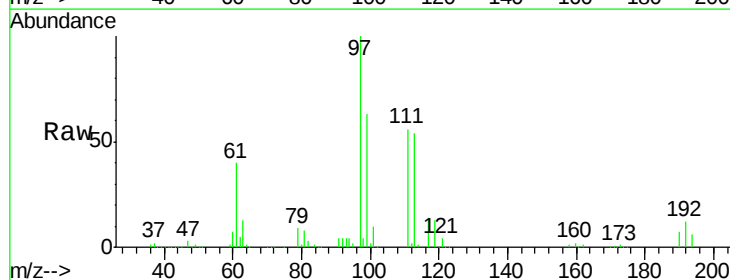
Tgt Ion: 97 Resp: 472348

Ion Ratio Lower Upper

97 100

99 63.6 51.7 77.5

61 41.5 34.6 51.8

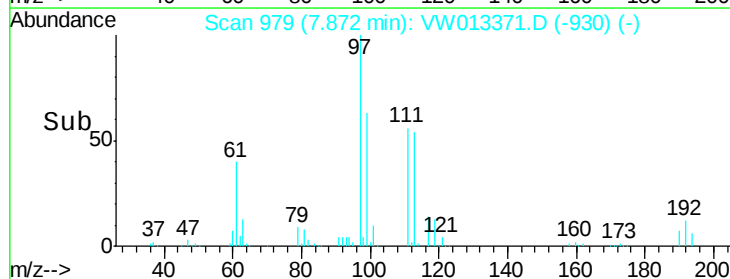
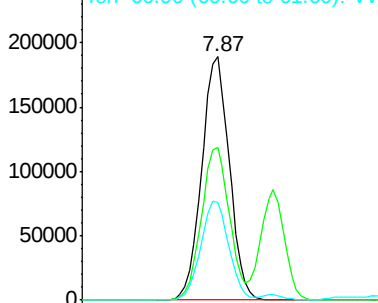


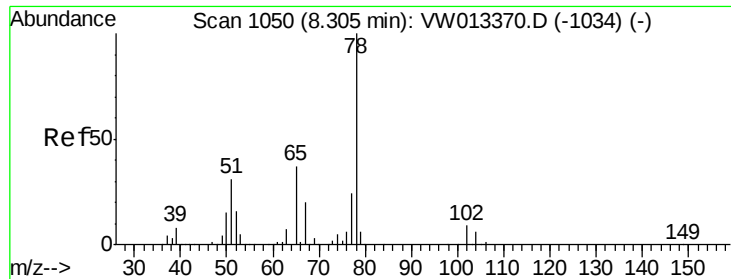
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 91.645 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tot Ion: 65 Resp: 286889

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.2

Instrument :

MSVOA_W

ClientSampleId :

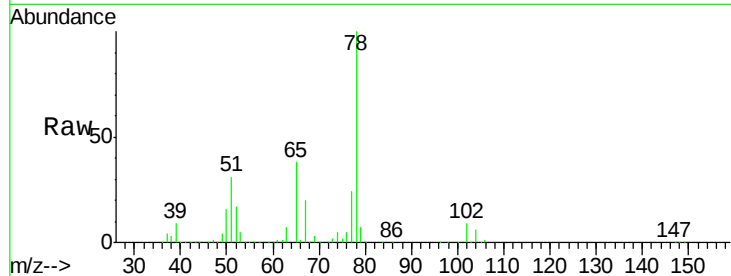
VSTDIC100

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

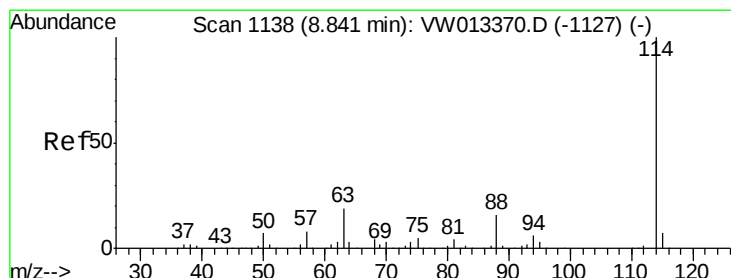
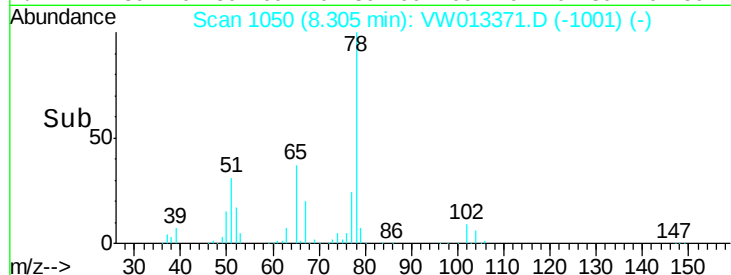
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

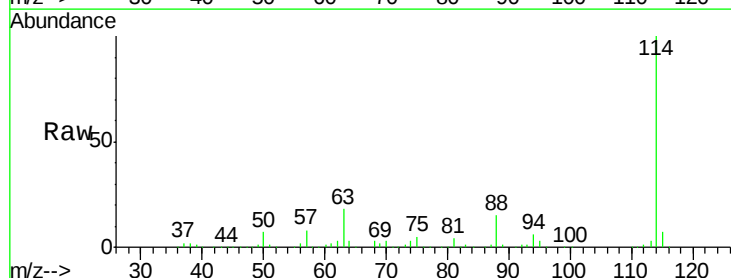
Tgt Ion: 114 Resp: 552441

Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.4

88 14.6 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

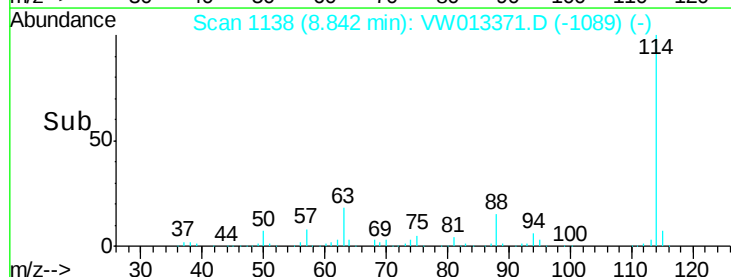
300000

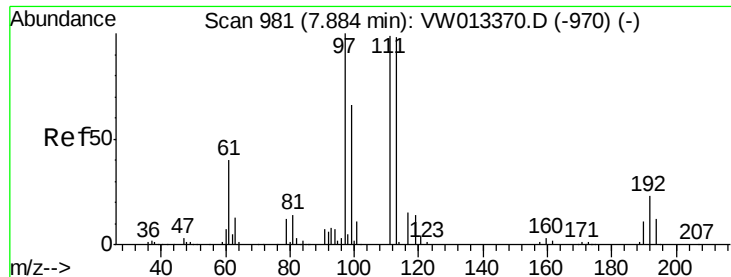
200000

100000

0

Time-->





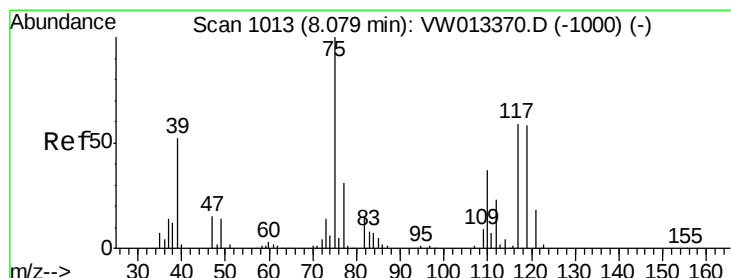
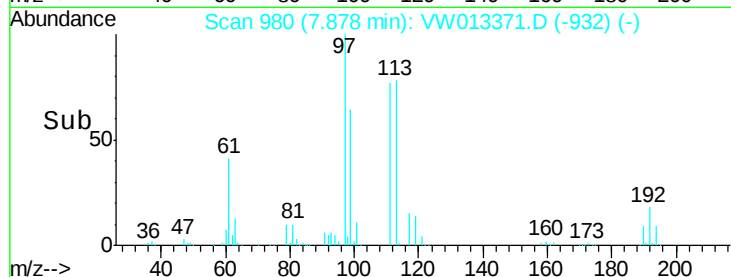
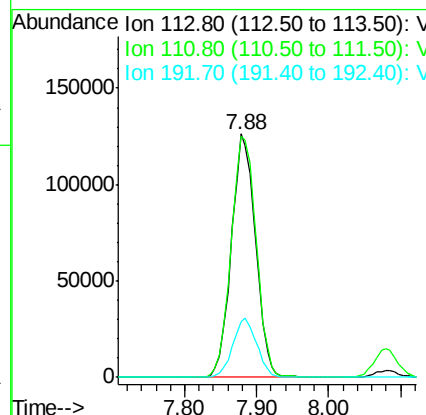
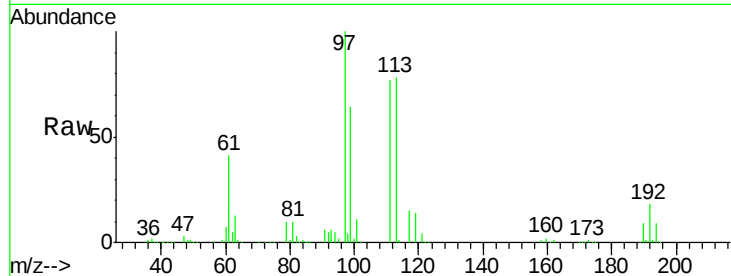
#35
Dibromofluoromethane
Concen: 96.936 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	294532		
111	102.8	81.9	122.9	
192	23.9	19.1	28.7	

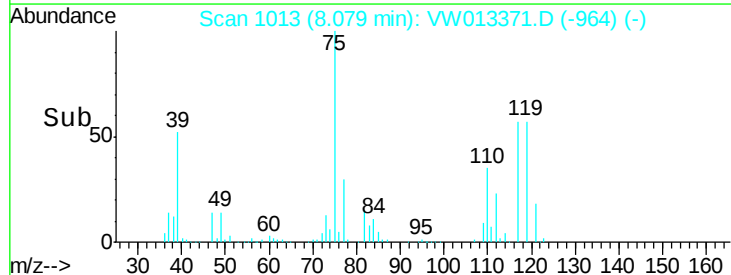
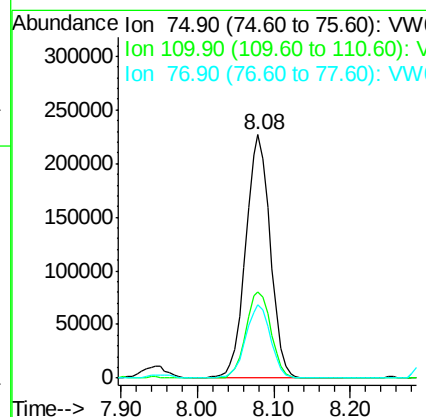
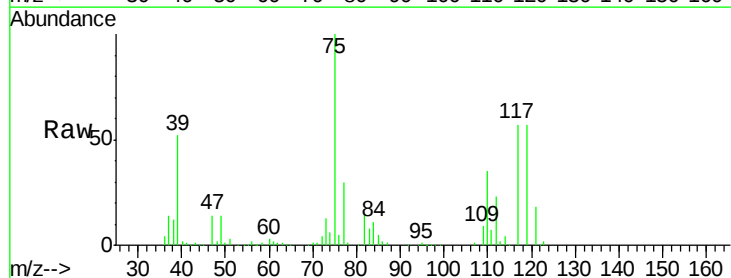
Manual Integrations
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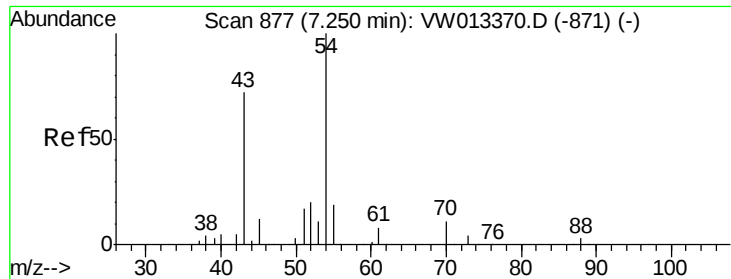
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#36
1,1-Dichloropropene
Concen: 93.847 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	502152		
110	36.3	18.1	54.3	
77	30.9	25.8	38.6	





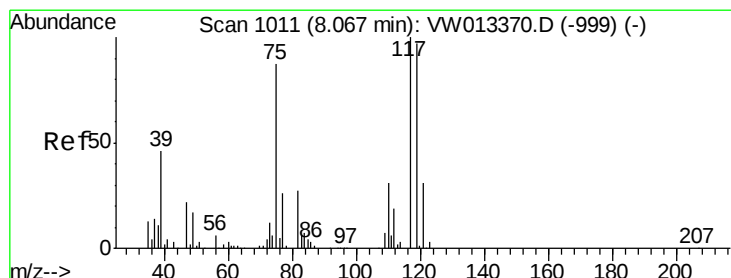
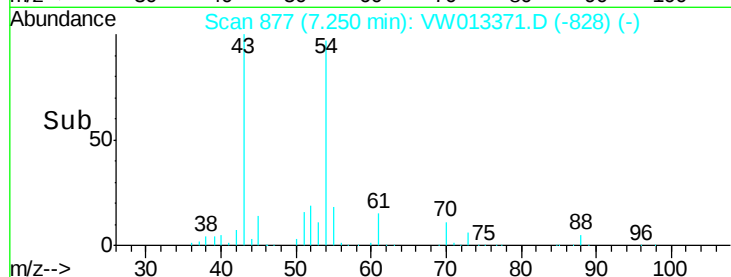
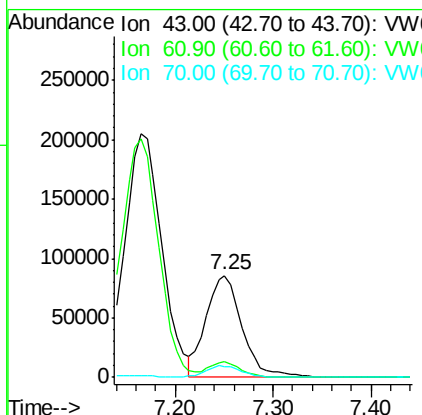
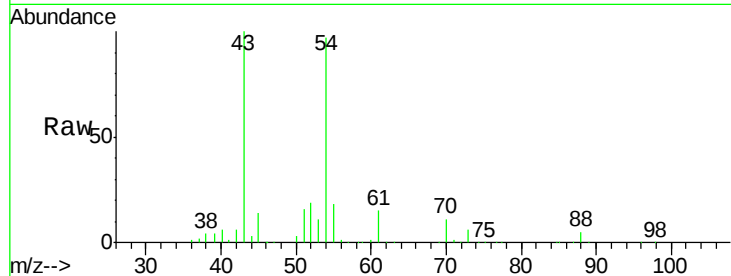
#37
Ethyl Acetate
Concen: 94.924 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	11.2	8.2	12.2

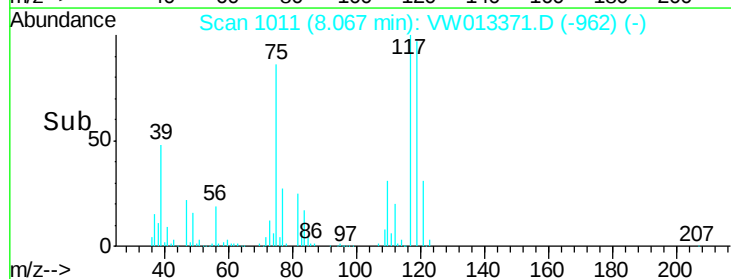
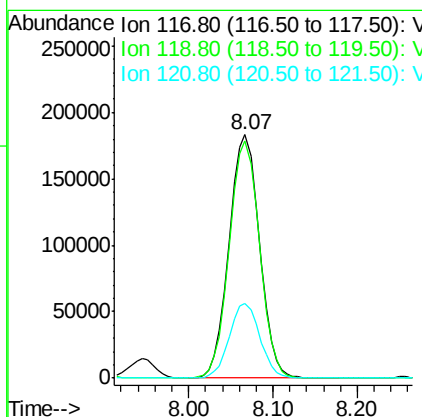
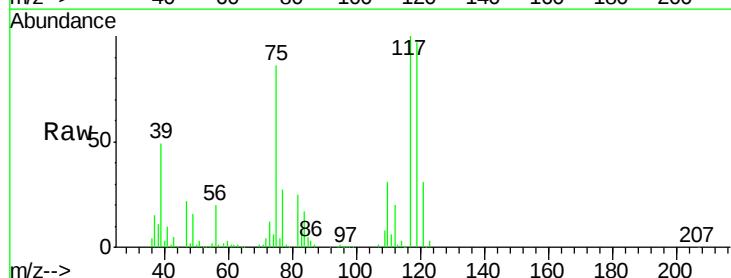
Manual Integrations
APPROVED

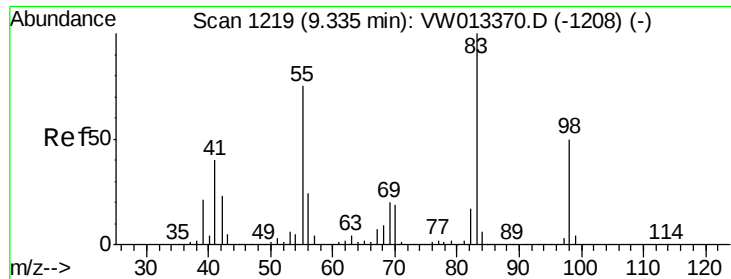
MMDadoda
10/7/2019 8:22:47 AM



#38
Carbon Tetrachloride
Concen: 93.261 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	73.5	110.3
121	30.7	25.0	37.6





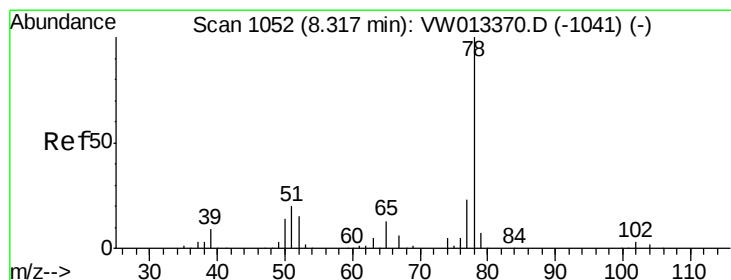
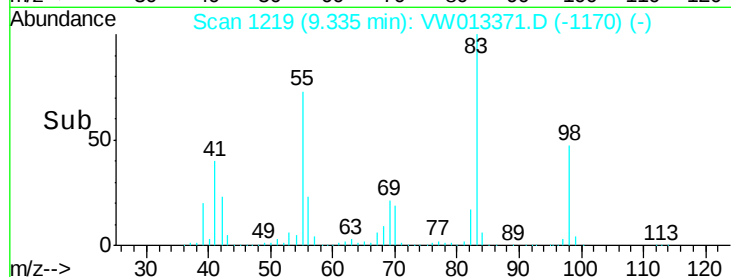
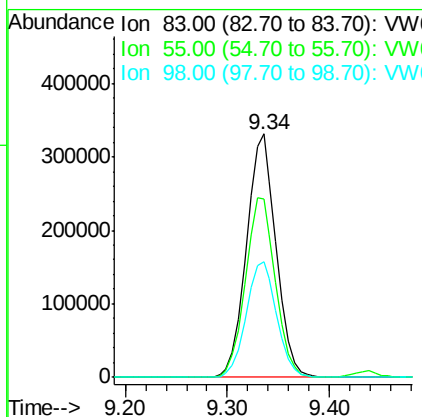
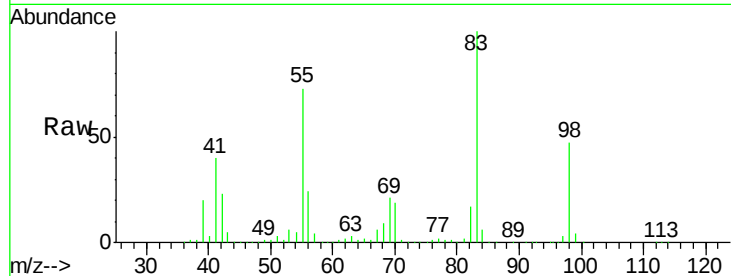
#39
Methvlcvclohexane
Concen: 96.821 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	665775
Ion Ratio	100	Lower	Upper
83	100		
55	73.1	60.4	90.6
98	47.4	40.0	60.0

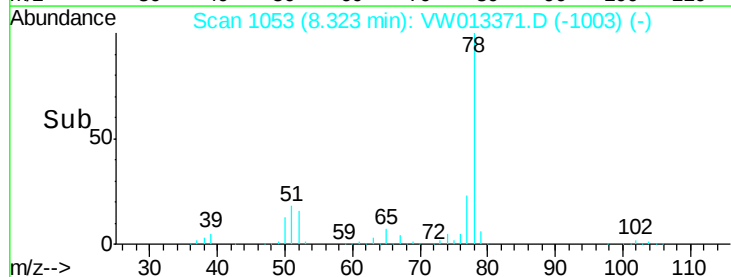
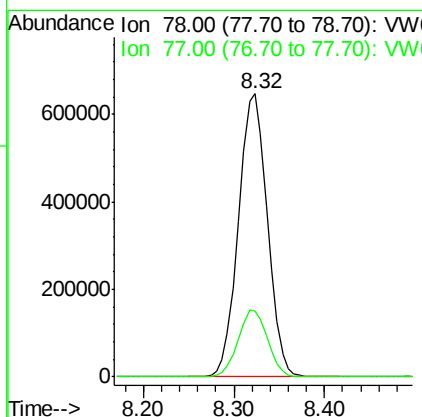
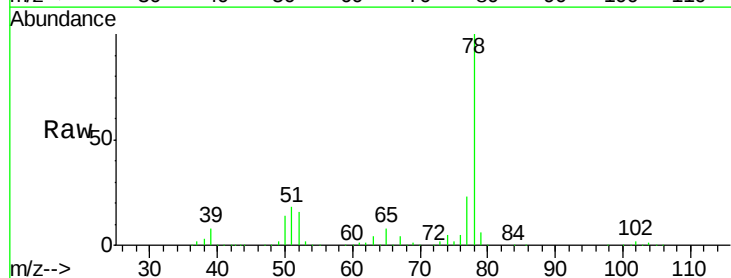
Manual Integrations
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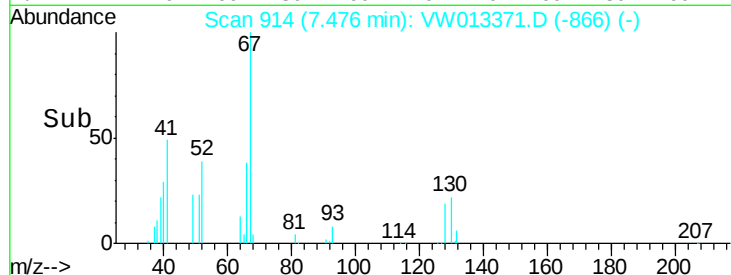
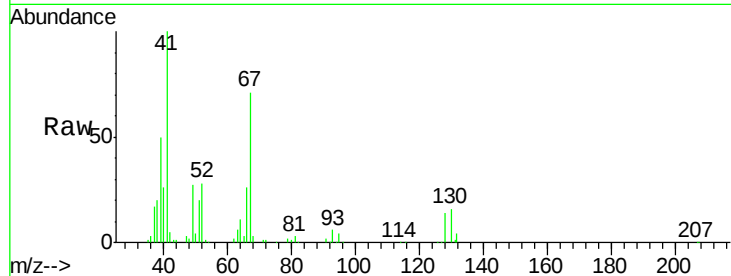
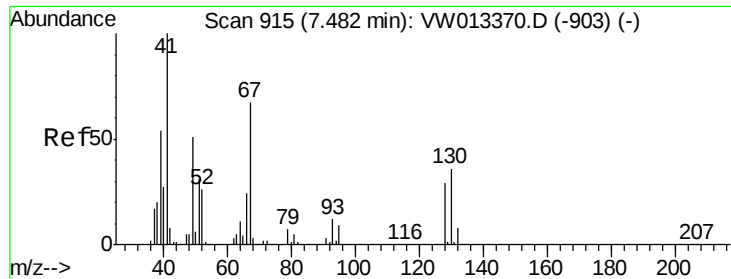
MMDadoda
10/7/2019 8:22:47 AM



#40
Benzene
Concen: 95.881 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	78	Resp	1431012
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	19.1	28.7





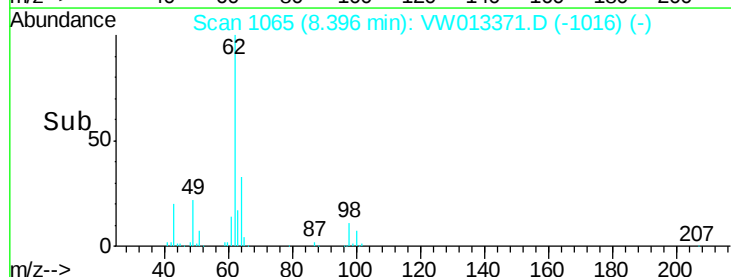
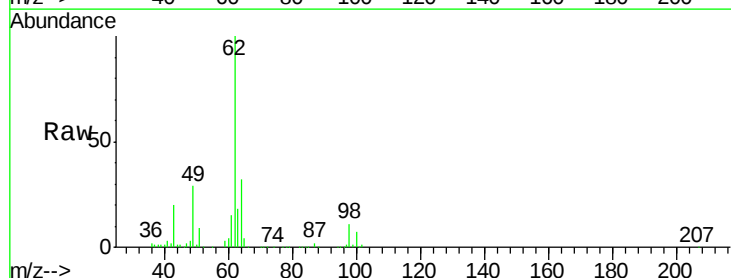
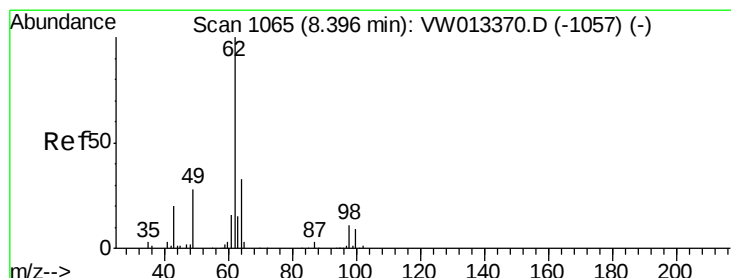
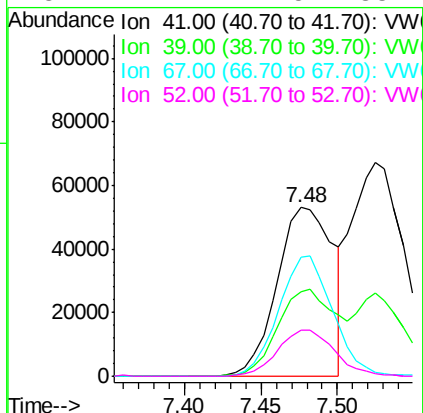
#41
Methacrylonitrile
Concen: 99.666 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		135272		
39	54.9	45.9	68.9		
67	68.8	54.5	81.7		
52	27.7	22.5	33.7		

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

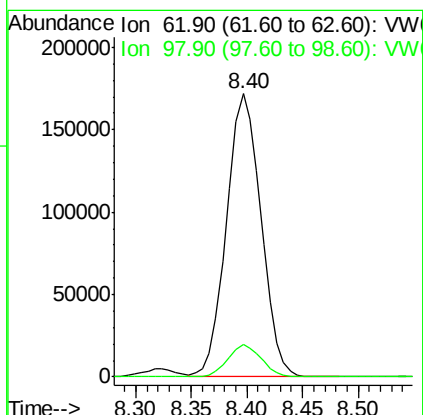
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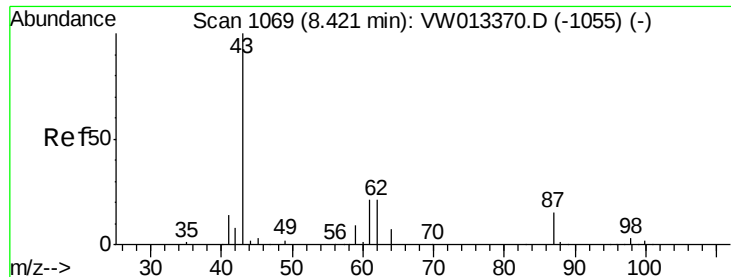
MMDadoda
10/7/2019 8:22:47 AM



#42
1,2-Dichloroethane
Concen: 92.038 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		369267		
98	11.0	0.0	20.6		





#43

Isopropyl Acetate

Concen: 95.595 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

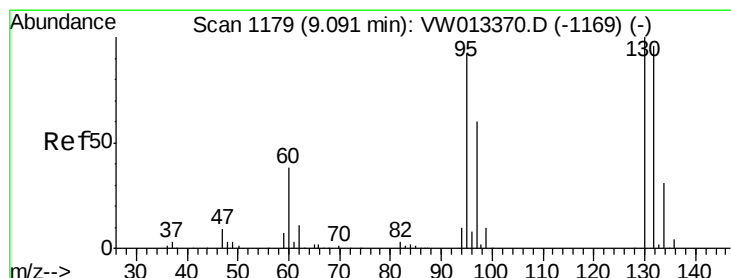
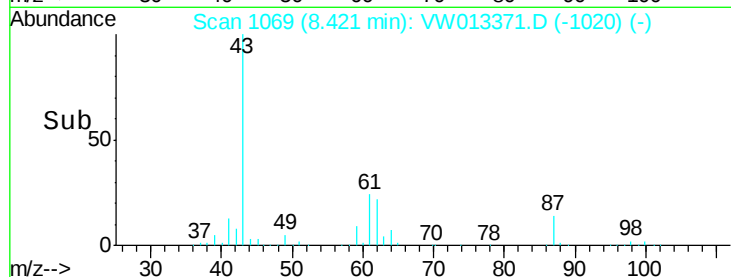
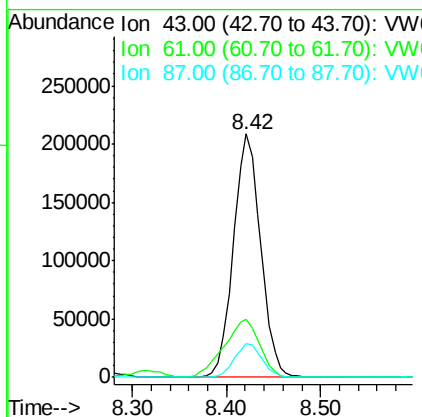
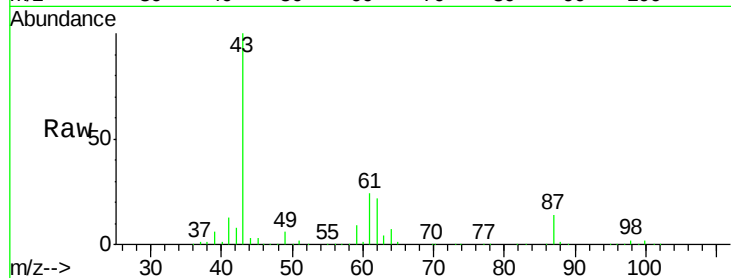
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	416649
Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.5	38.3
87	14.0	11.0	16.4

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#44

Trichloroethene

Concen: 97.414 ug/l

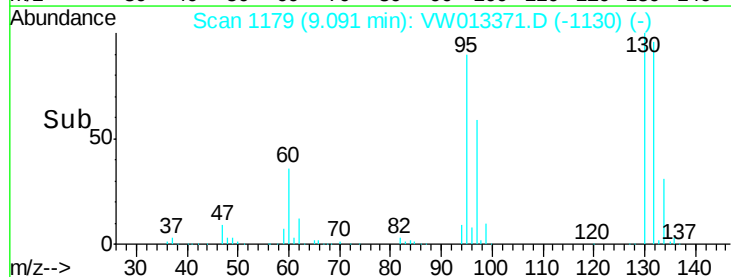
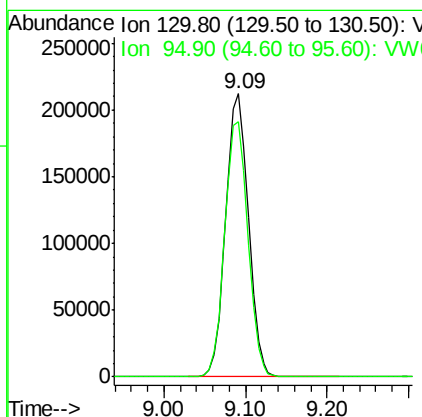
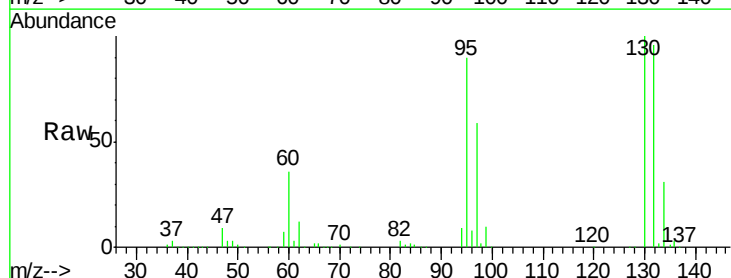
RT: 9.09 min Scan# 1179

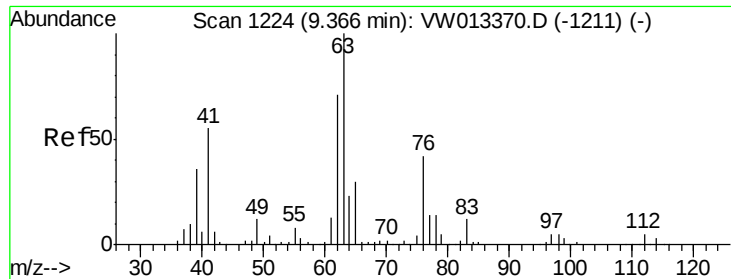
Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion:	130	Resp:	407919
Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	188.0





#45

1,2-Dichloropropane

Concen: 96.933 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 353203

Ion Ratio Lower Upper

63 100

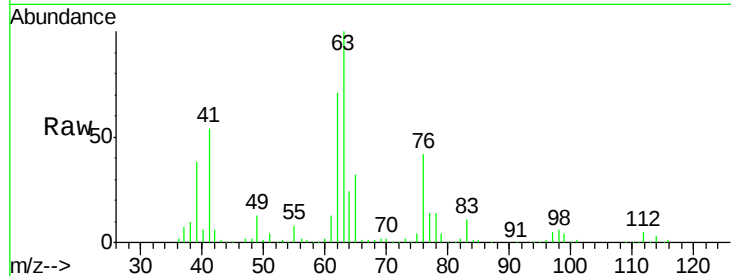
65 32.3 25.3 37.9

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

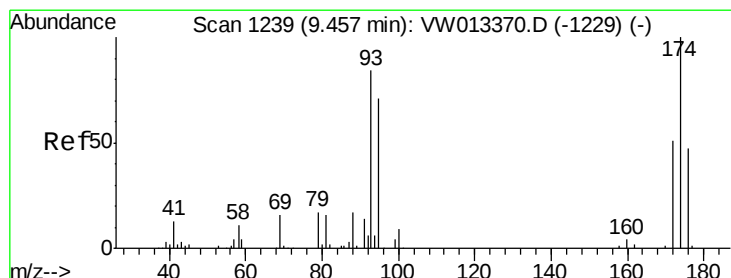
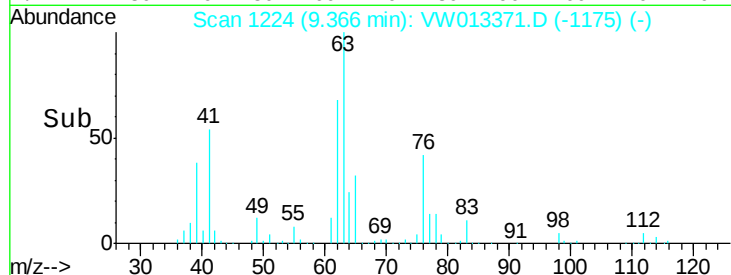
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 96.790 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

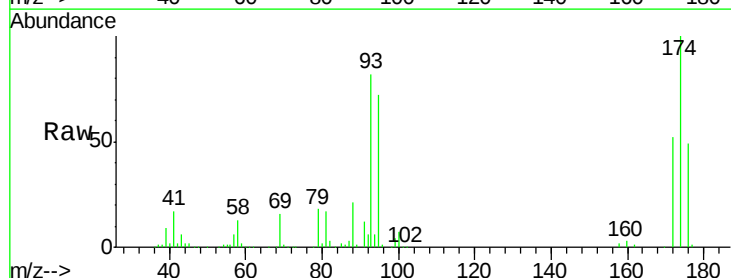
Tgt Ion: 93 Resp: 171227

Ion Ratio Lower Upper

93 100

95 84.9 66.4 99.6

174 122.2 93.0 139.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

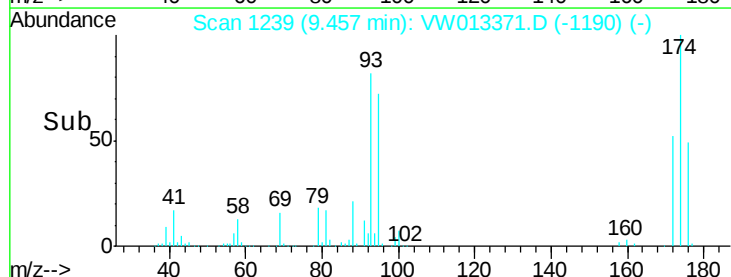
9.46

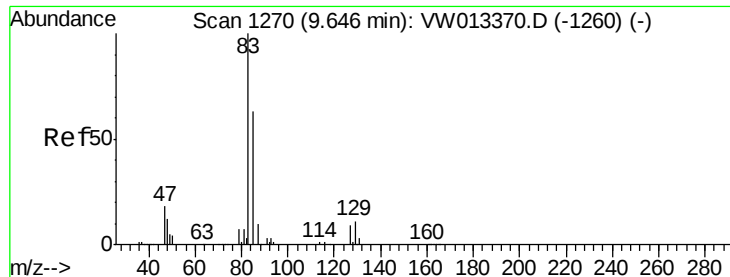
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 98.560 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

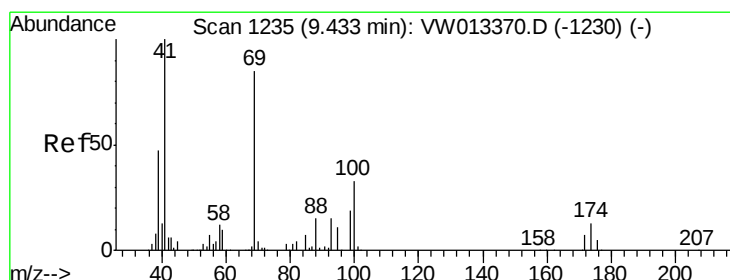
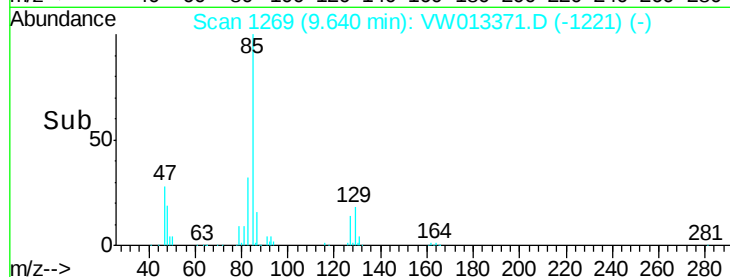
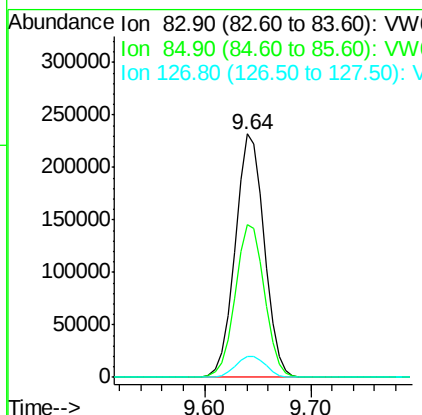
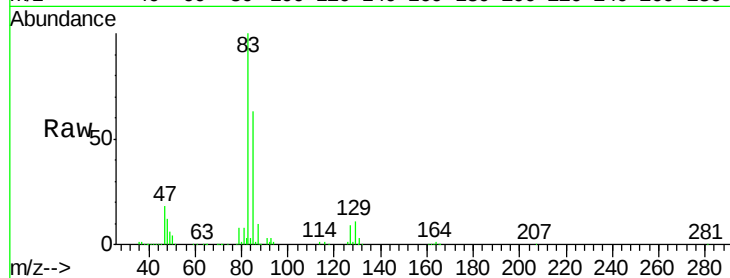
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	443661
Ion Ratio	Lower	Upper	
83	100		
85	62.7	49.4	74.2
127	8.8	6.5	9.7

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#48

Methyl methacrylate

Concen: 103.911 ug/l

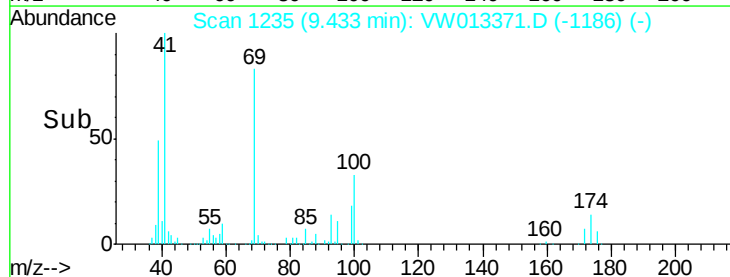
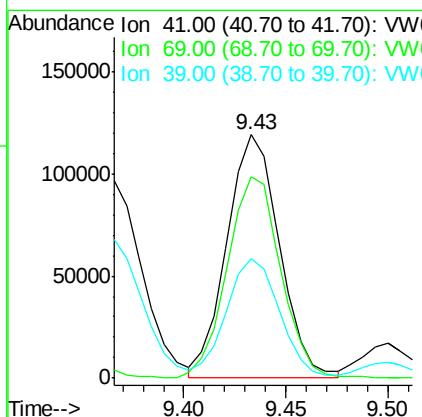
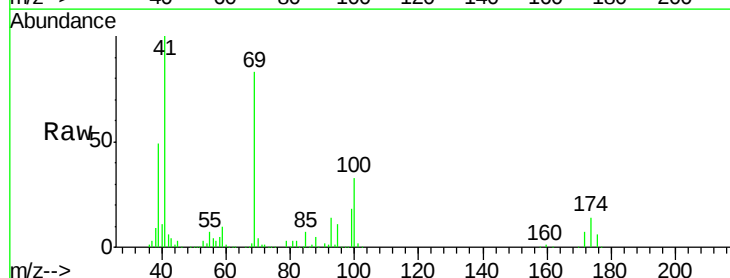
RT: 9.43 min Scan# 1235

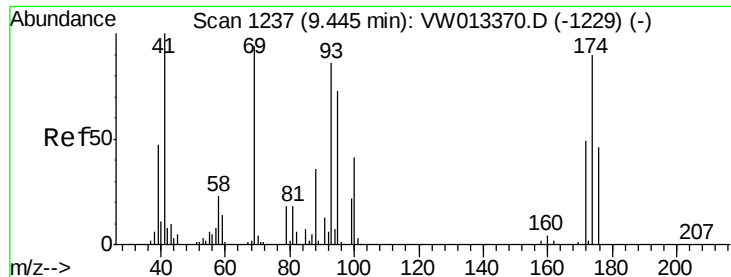
Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion:	41	Resp:	212962
Ion Ratio	Lower	Upper	
41	100		
69	84.0	69.7	104.5
39	47.4	41.1	61.7





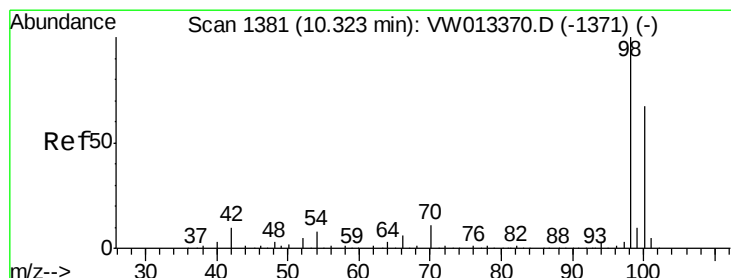
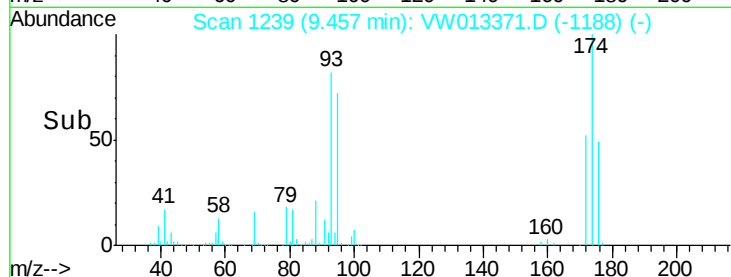
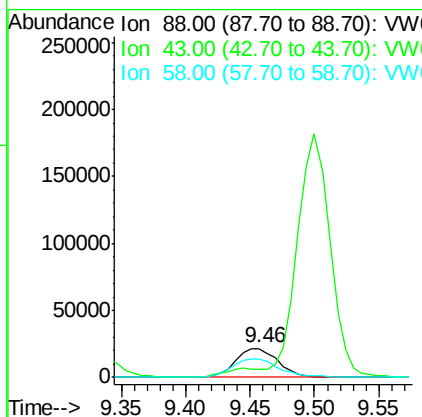
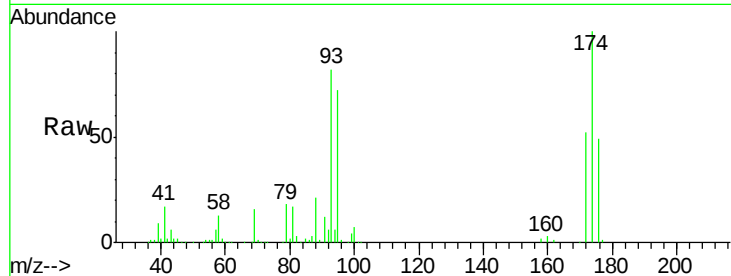
#49
1,4-Dioxane
Concen: 1855.077 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	49261
Ion	Ratio	Lower	Upper
88	100		
43	24.0	0.0	0.0#
58	72.4	65.4	98.0

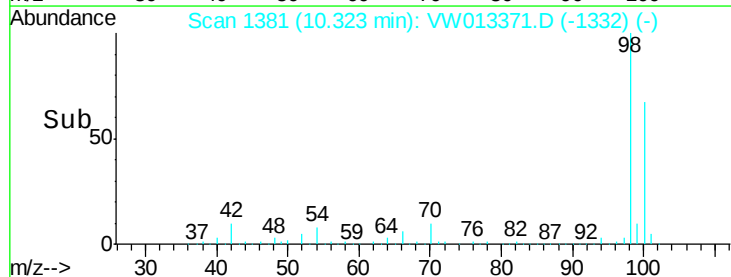
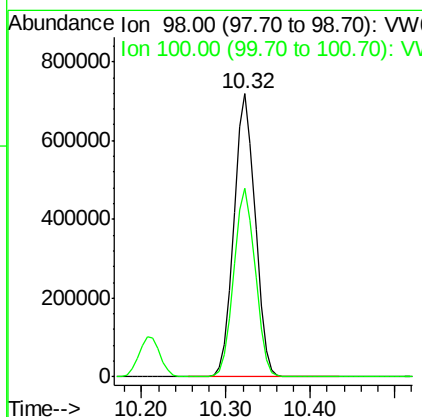
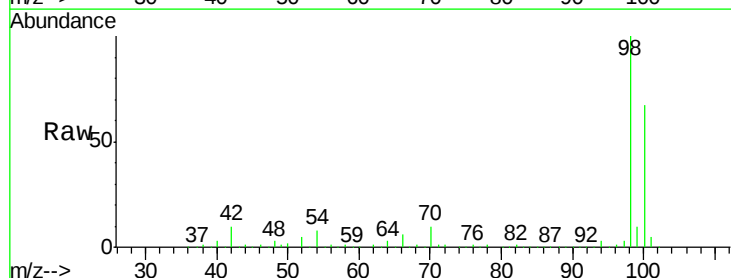
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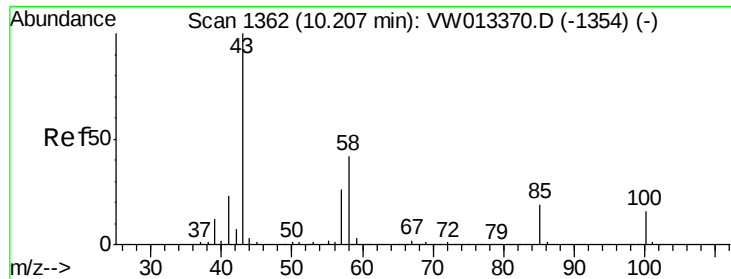
MMDadoda
10/7/2019 8:22:47 AM



#50
Toluene-d8
Concen: 96.195 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	98	Resp	1223229
Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 478.292 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1045071

Ion Ratio Lower Upper

43 100

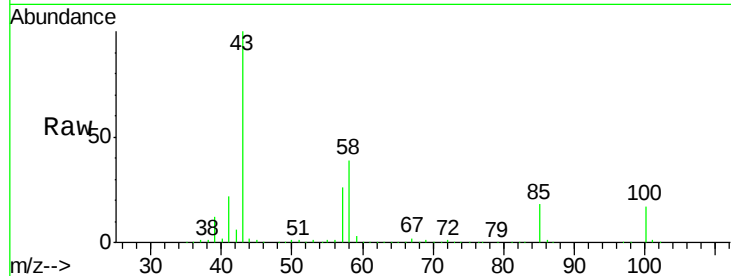
58 40.7 31.7 47.5

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

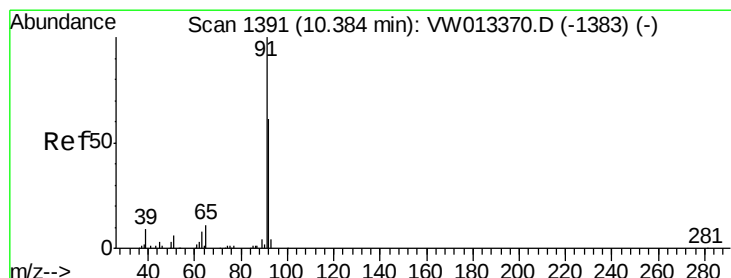
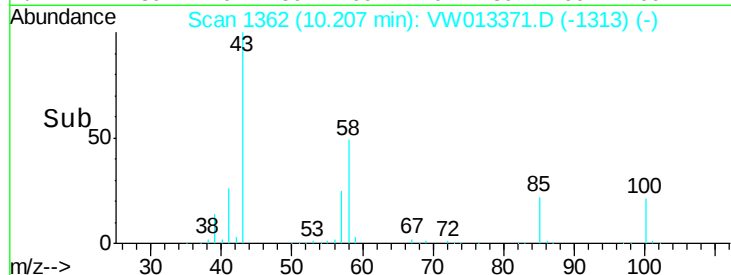
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 97.715 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013371.D

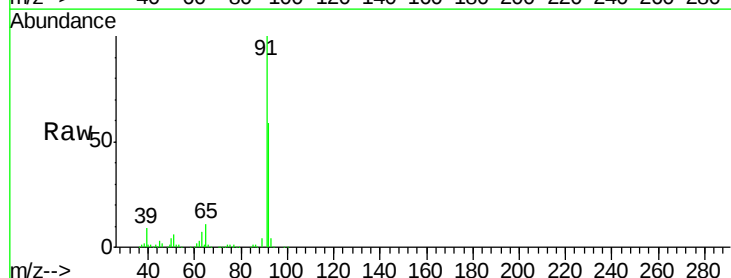
Acq: 01 Oct 2019 14:46

Tgt Ion: 92 Resp: 934671

Ion Ratio Lower Upper

92 100

91 168.4 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

1000000

800000

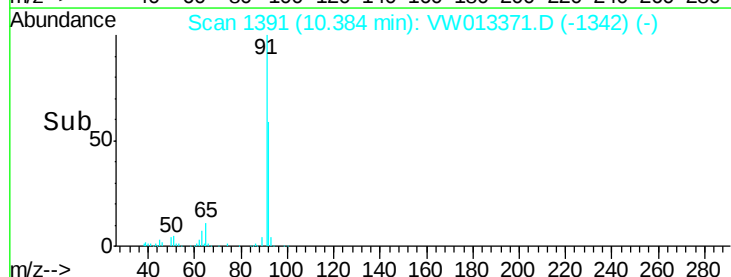
600000

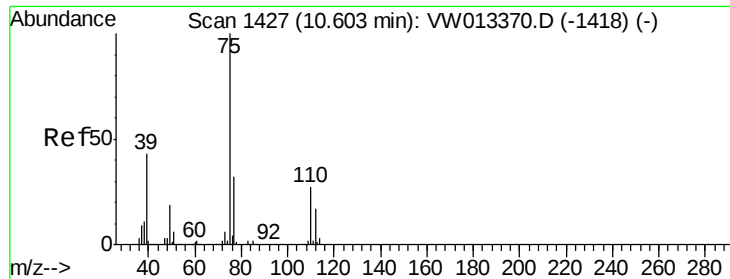
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 100.998 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 467093

Ion Ratio Lower Upper

75 100

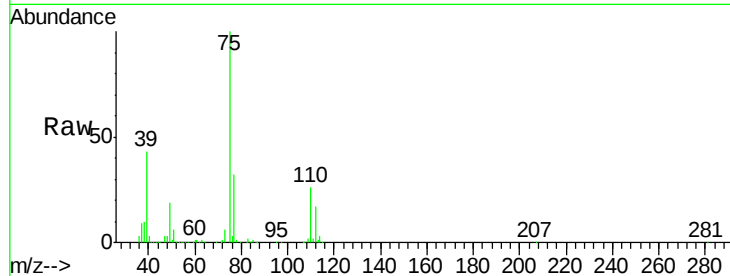
77 31.5 25.5 38.3

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

300000

250000

200000

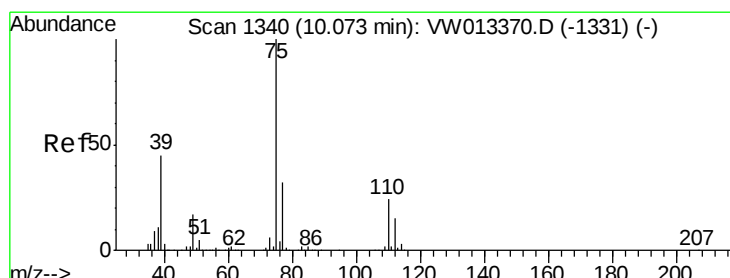
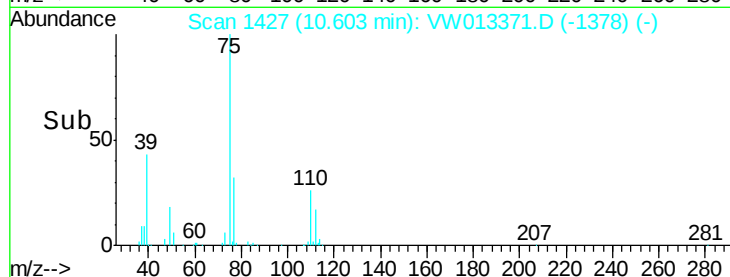
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 99.740 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

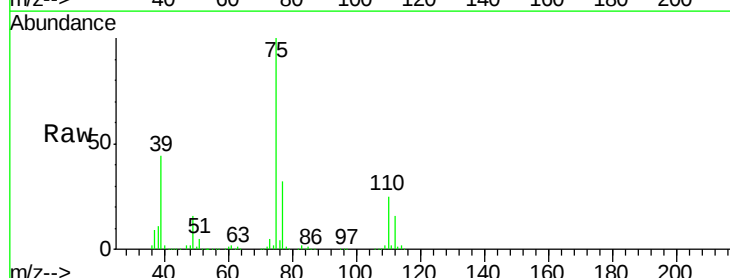
Tgt Ion: 75 Resp: 560847

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

39 44.0 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

400000

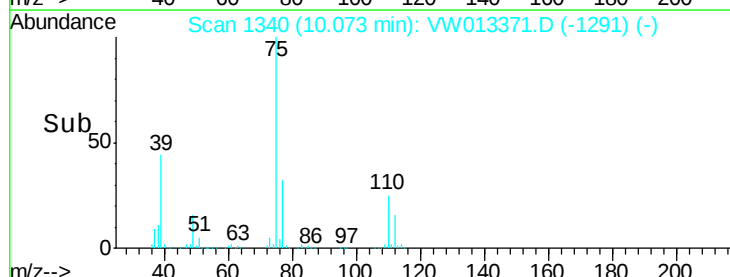
300000

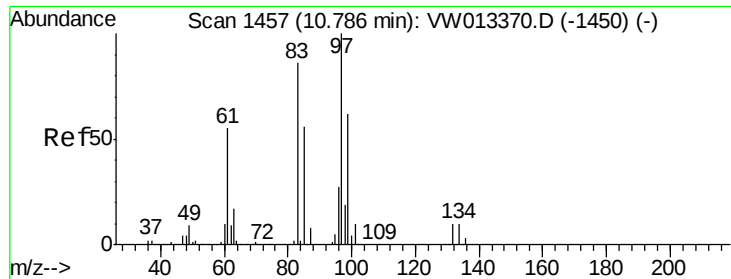
200000

100000

0

Time-->





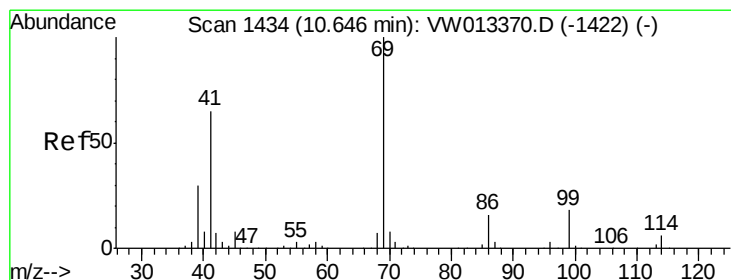
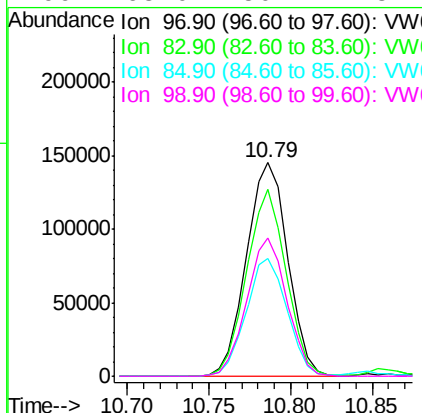
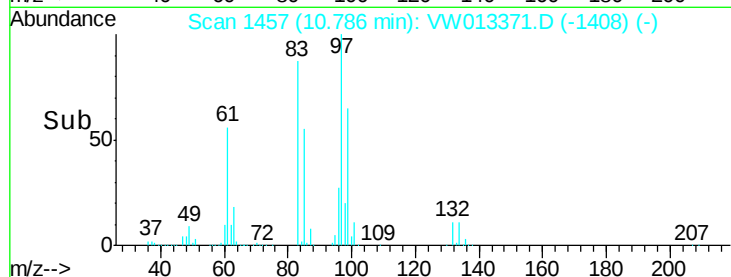
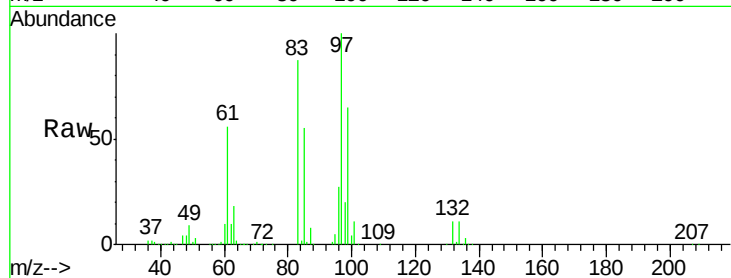
#55
 1,1,2-Trichloroethane
 Concen: 96.894 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.6	101.4
85	55.0	41.9	62.9
99	65.0	50.1	75.1

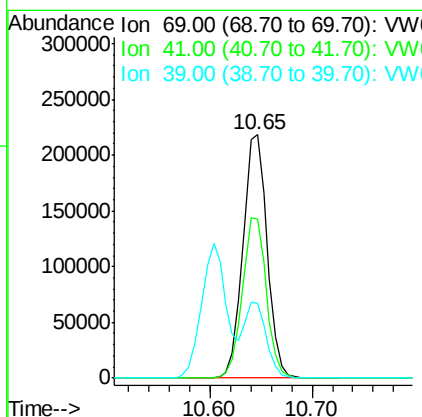
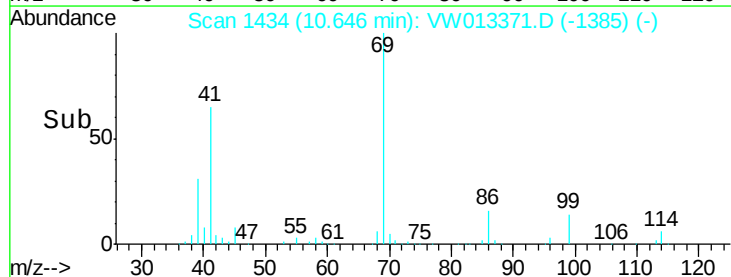
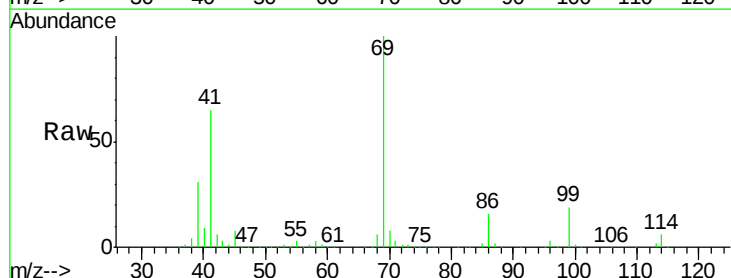
Manual Integrations
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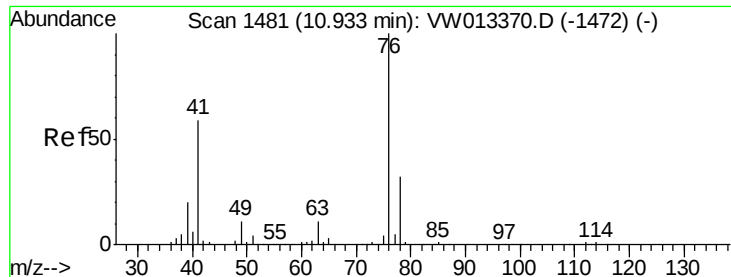
MMDadoda
 10/7/2019 8:22:47 AM



#56
 Ethyl methacrylate
 Concen: 103.519 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.9	53.9	80.9
39	27.8	23.8	35.6





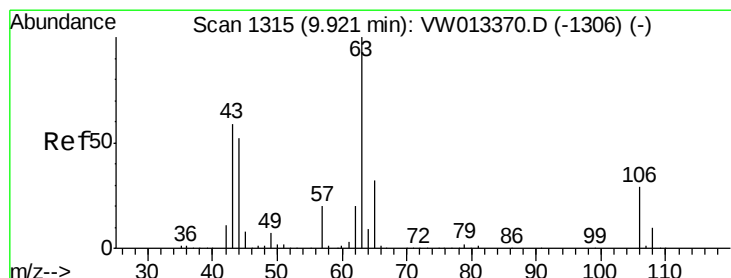
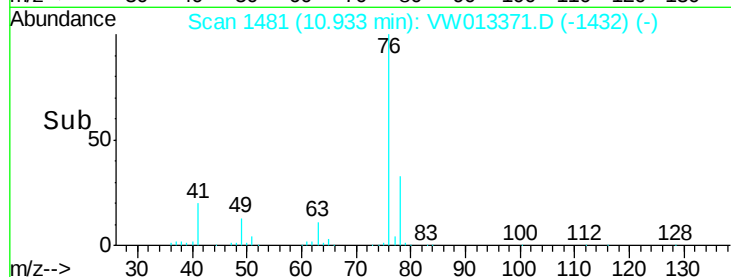
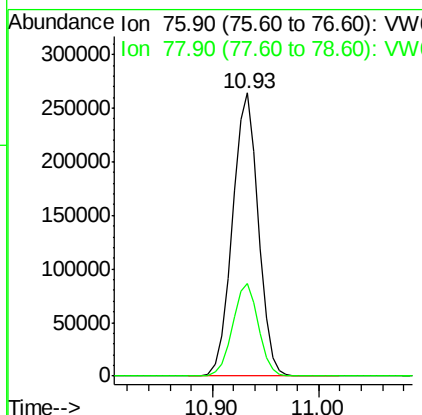
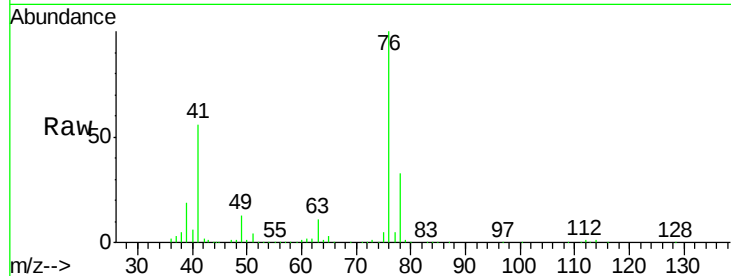
#57
 1,3-Dichloropropane
 Concen: 97.182 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 448415
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3

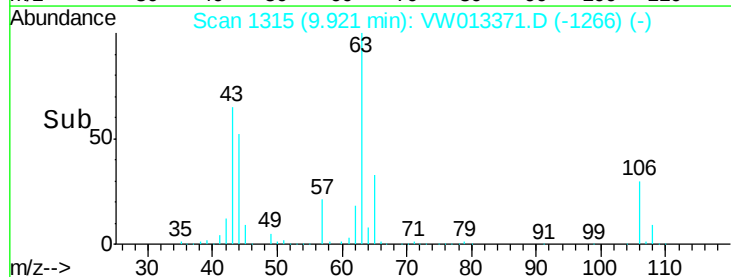
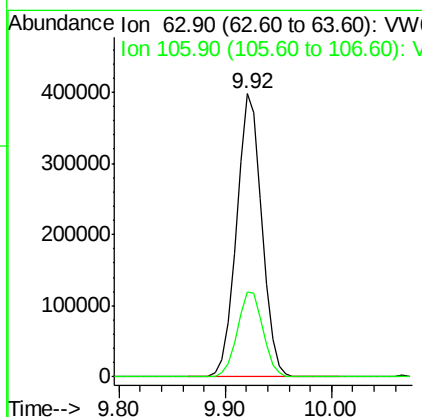
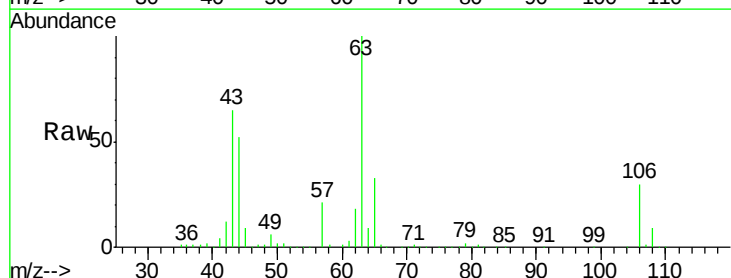
Manual Integrations
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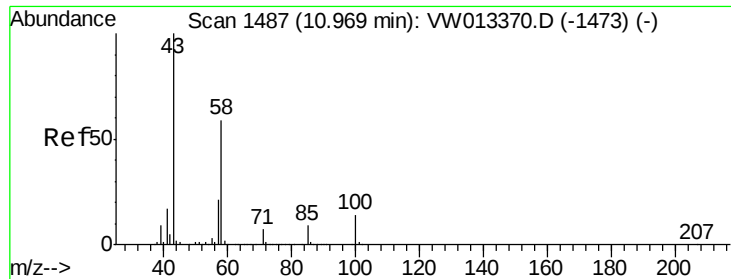
MMDadoda
 10/7/2019 8:22:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 413.796 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Tgt Ion: 63 Resp: 662910
 Ion Ratio Lower Upper
 63 100
 106 30.6 23.4 35.0





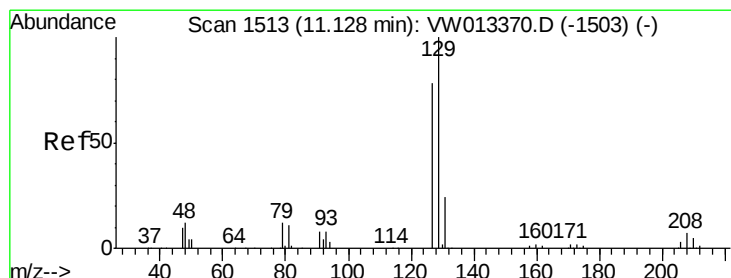
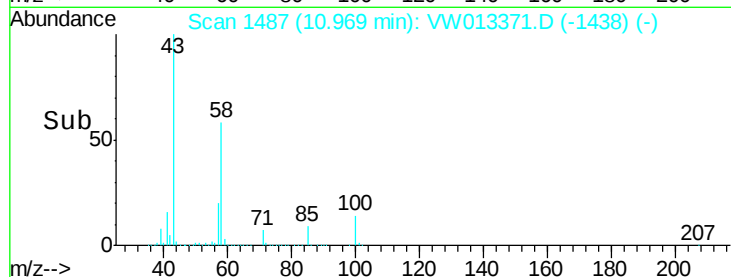
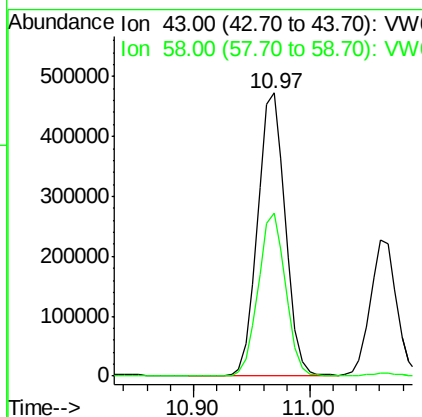
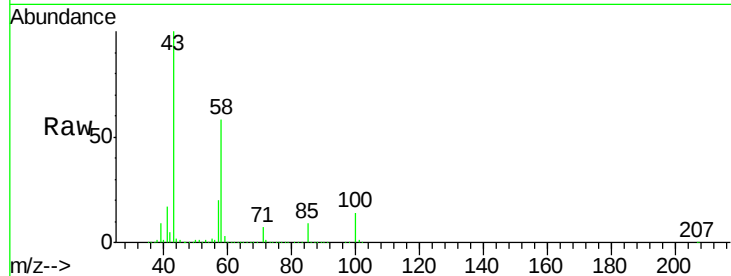
#59
2-Hexanone
Concen: 521.784 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 784387
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.2

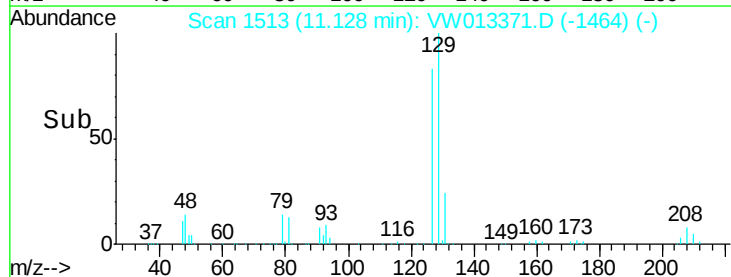
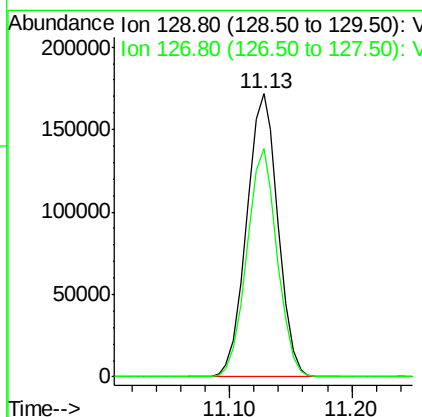
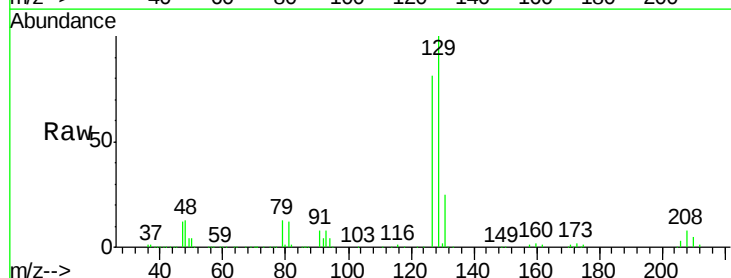
Manual Integrations
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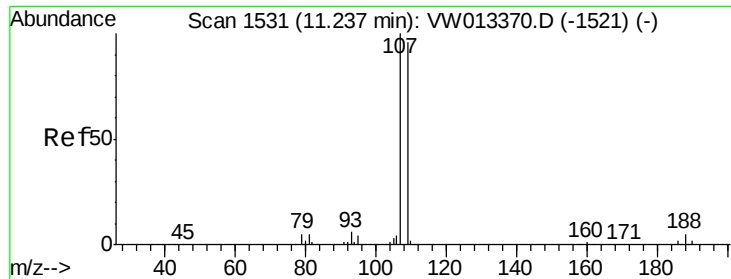
MMDadoda
10/7/2019 8:22:47 AM



#60
Dibromochloromethane
Concen: 101.688 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion: 129 Resp: 305309
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.4





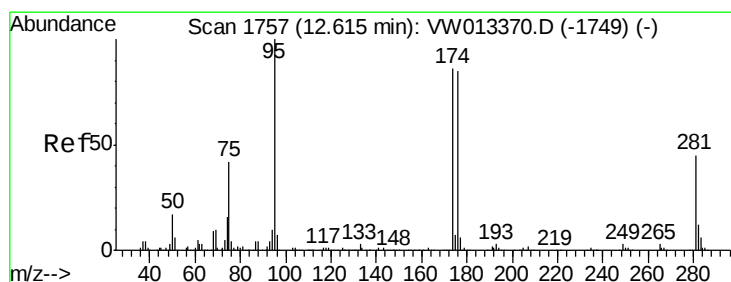
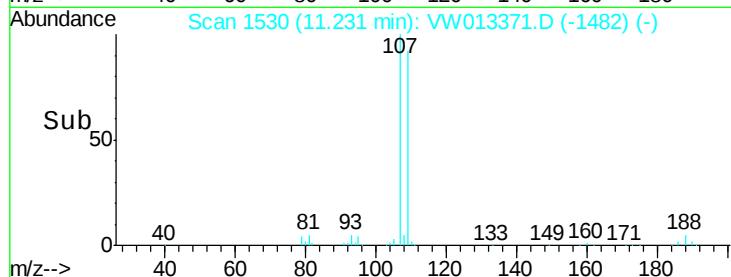
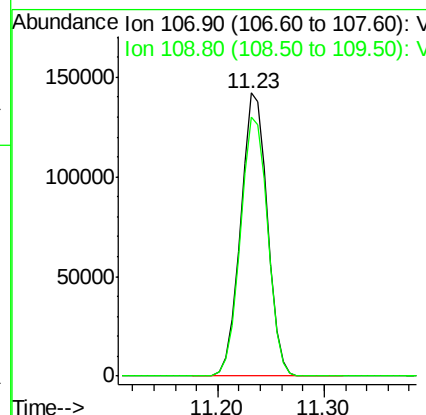
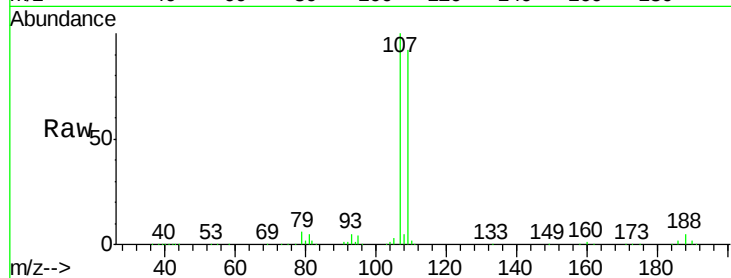
#61
1,2-Dibromoethane
Concen: 99.500 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	250148		
109	93.6	75.2	112.8	

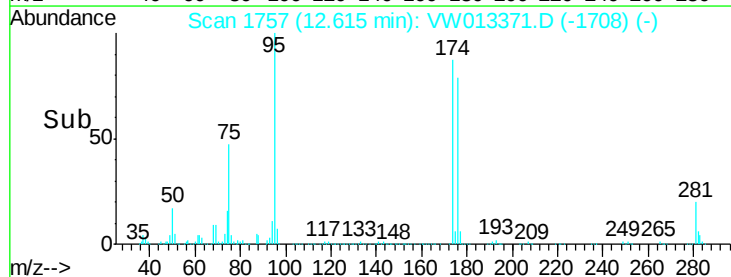
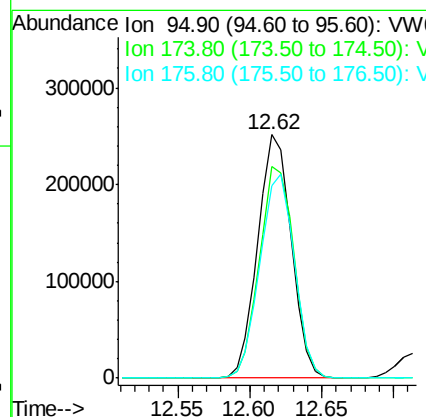
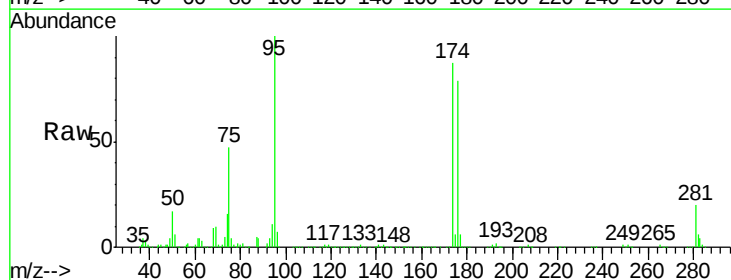
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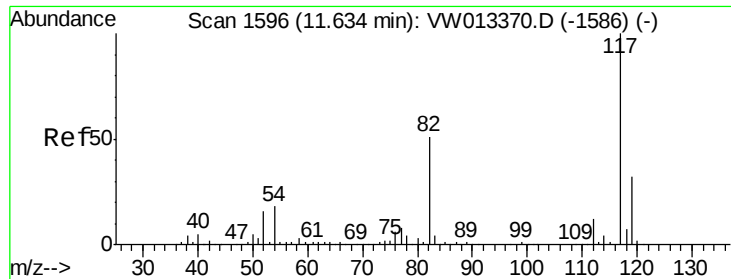
MMDadoda
10/7/2019 8:22:47 AM



#62
4-Bromofluorobenzene
Concen: 93.372 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	405581		
174	89.5	0.0	178.4	
176	85.9	0.0	172.2	





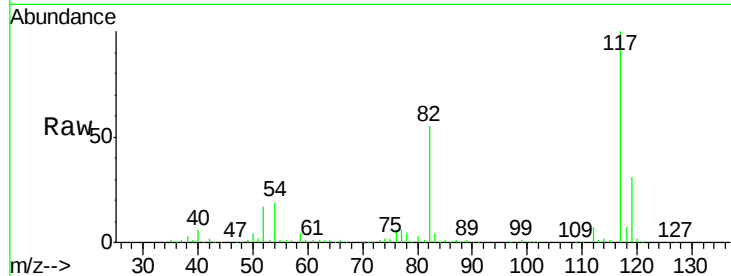
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	477136		
82	55.4	45.9	68.9	
119	30.7	26.2	39.2	

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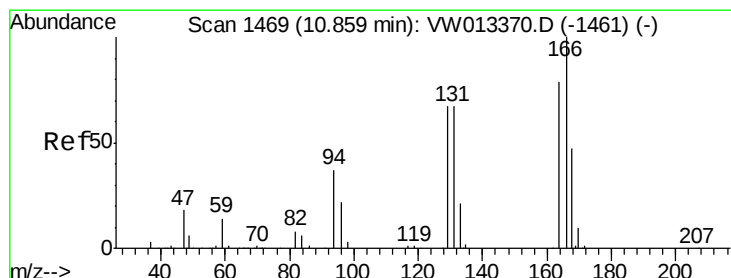
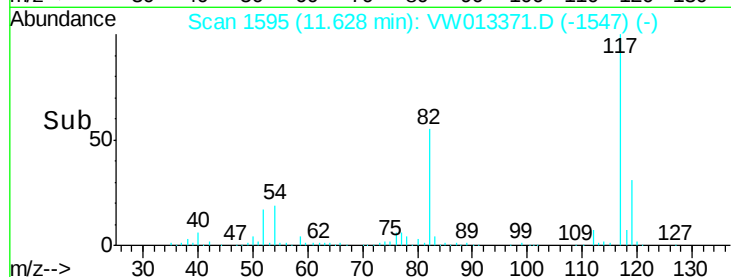
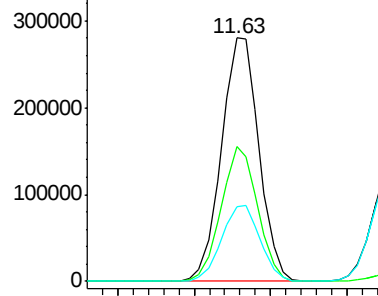


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 97.020 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	351231		
166	127.7	101.2	151.8	
129	90.8	68.8	103.2	
131	87.6	65.2	97.8	

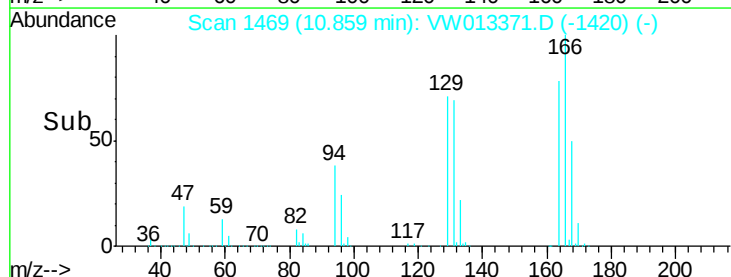
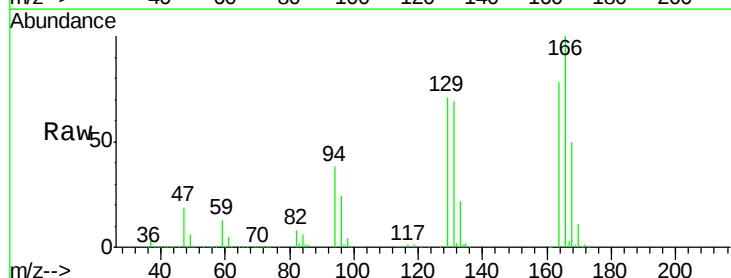
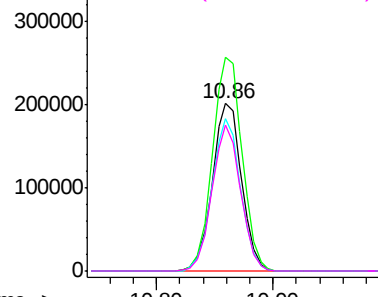
Abundance

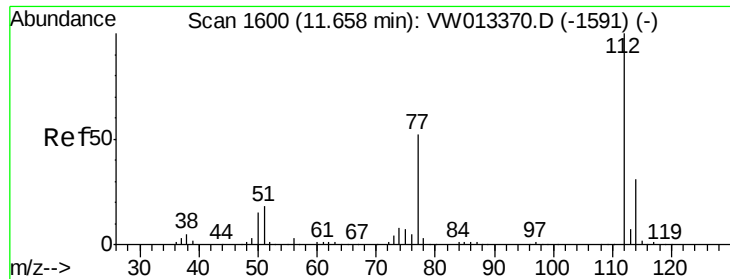
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





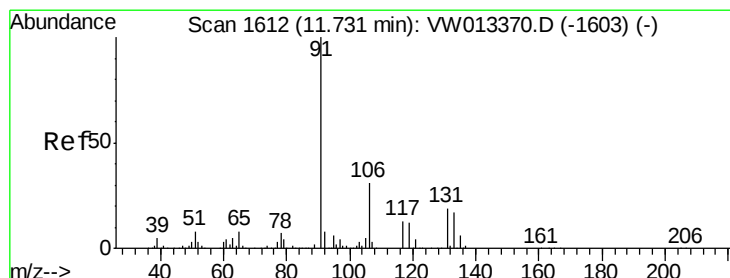
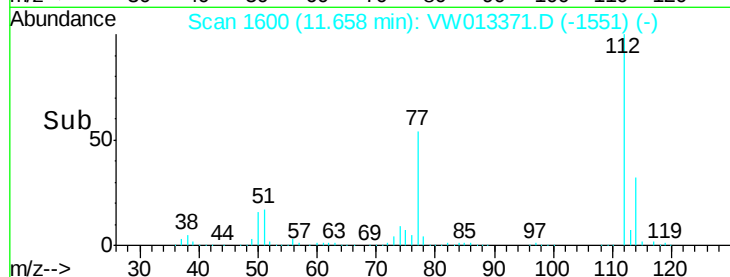
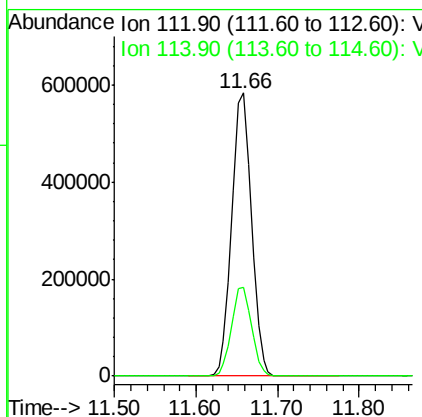
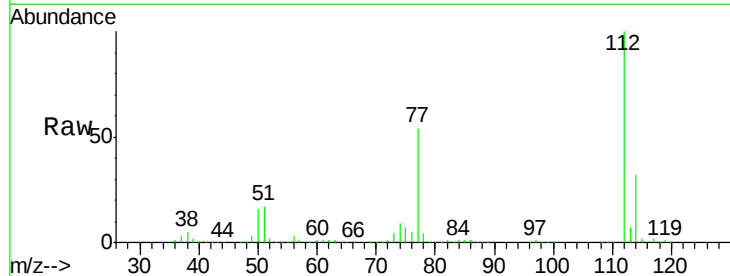
#65
Chlorobenzene
Concen: 97.365 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 970102
Ion Ratio Lower Upper
112 100
114 31.6 26.5 39.7

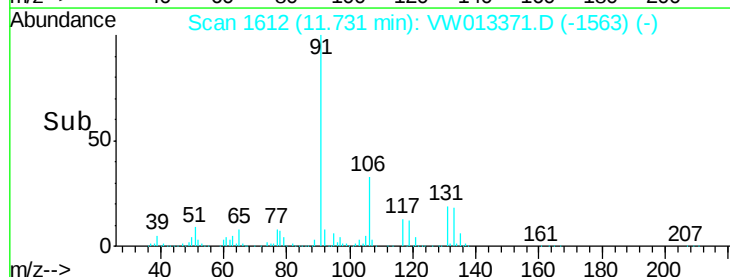
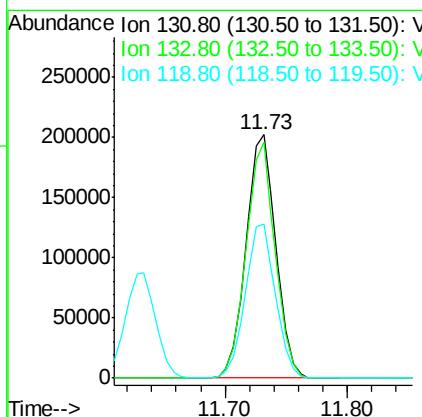
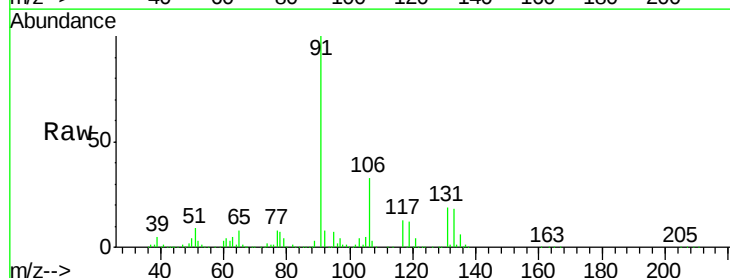
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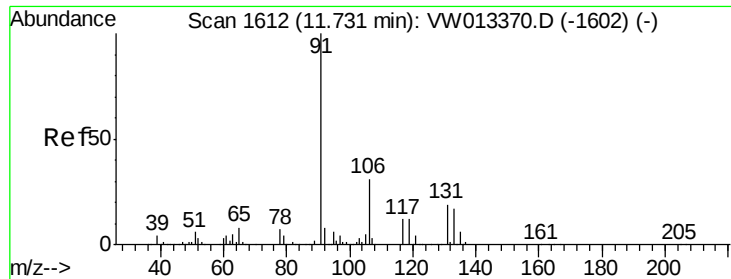
MMDadoda
10/7/2019 8:22:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 100.611 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion:131 Resp: 342466
Ion Ratio Lower Upper
131 100
133 94.4 47.5 142.6
119 64.0 32.5 97.5





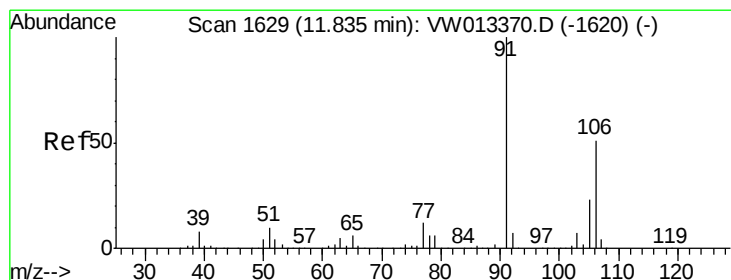
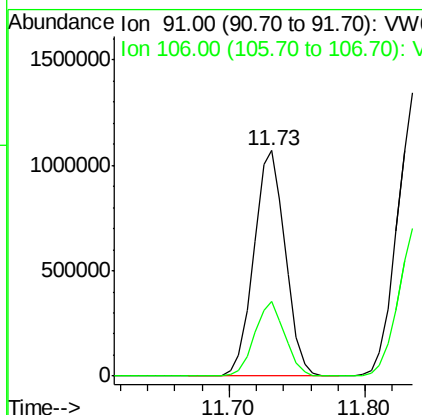
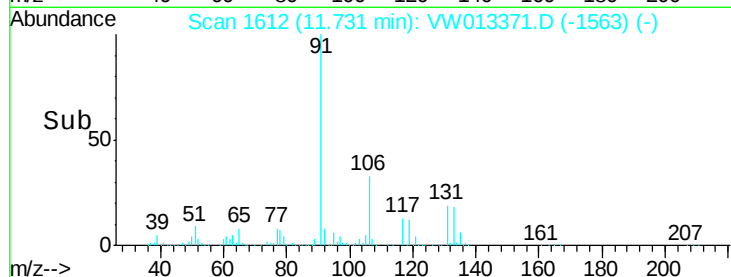
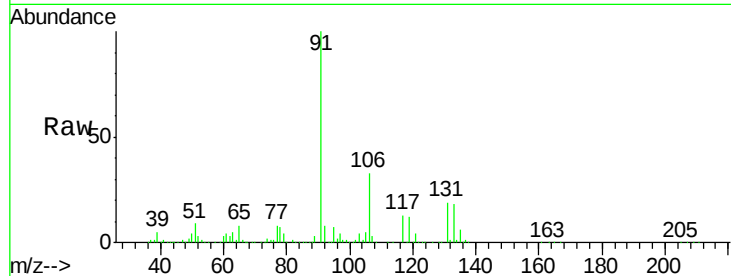
#67
Ethyl Benzene
Concen: 96.122 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1735274
Ion Ratio Lower Upper
91 100
106 33.2 24.9 37.3

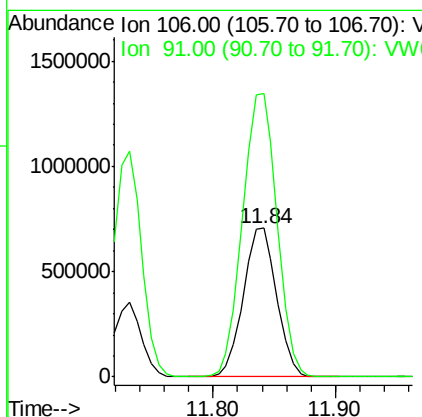
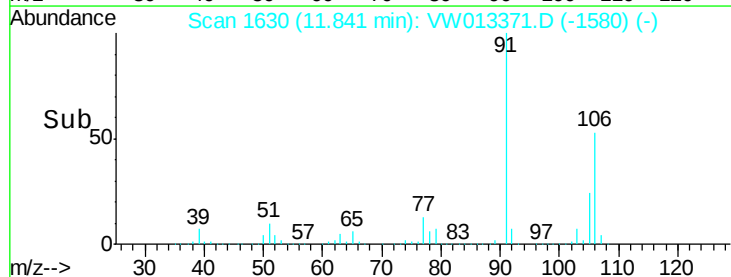
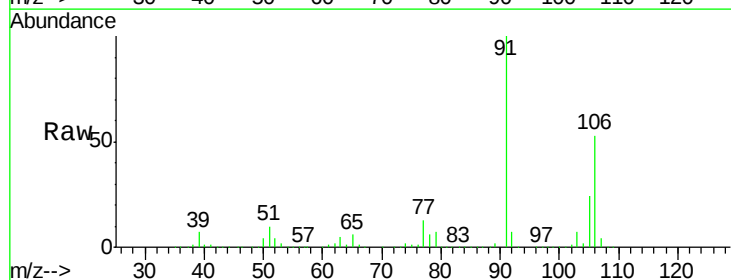
Manual Integrations
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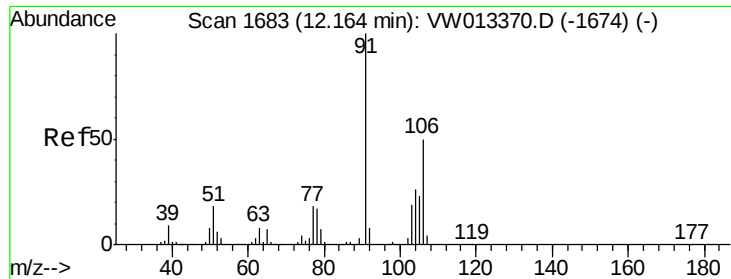
MMDadoda
10/7/2019 8:22:47 AM



#68
m/p-Xylenes
Concen: 194.032 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion: 106 Resp: 1334803
Ion Ratio Lower Upper
106 100
91 197.4 157.9 236.9





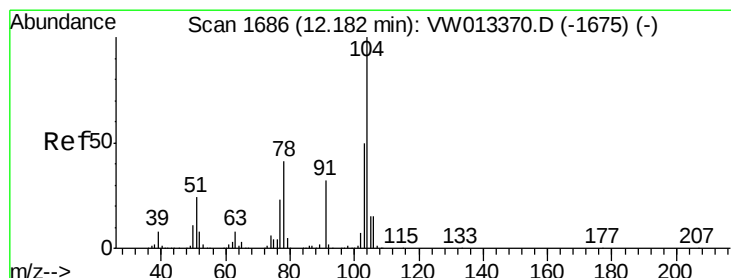
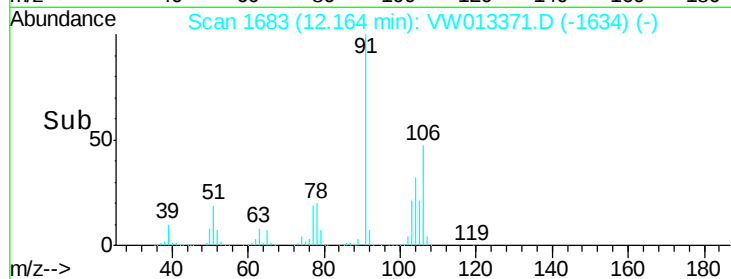
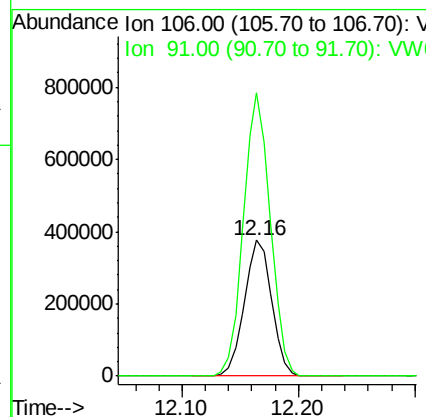
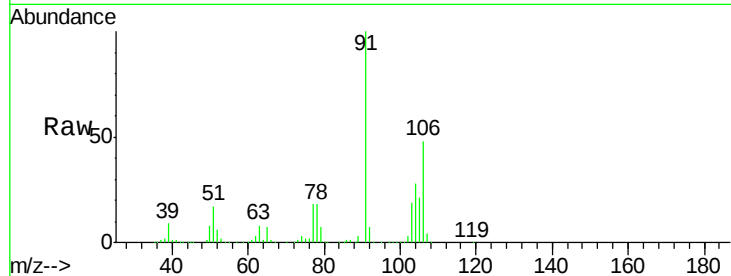
#69
o-Xylene
Concen: 96.487 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 617114
Ion Ratio Lower Upper
106 100
91 204.1 106.5 319.5

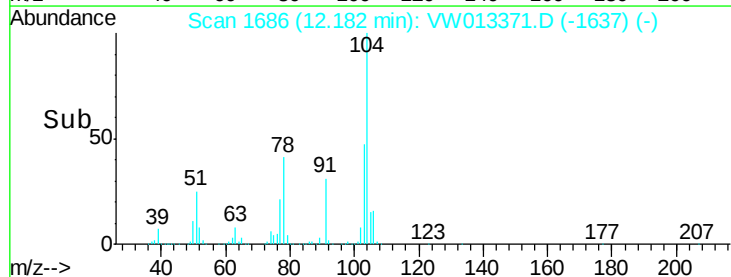
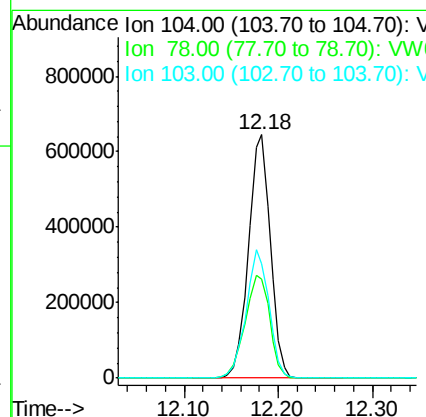
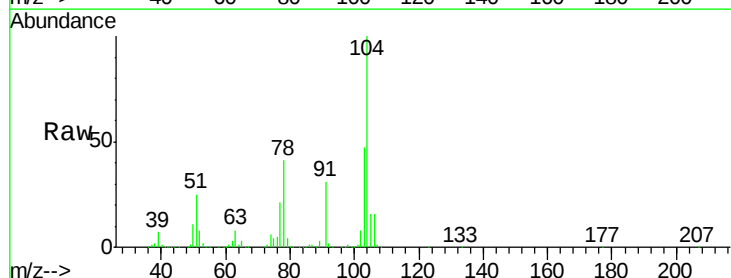
Manual Integrations
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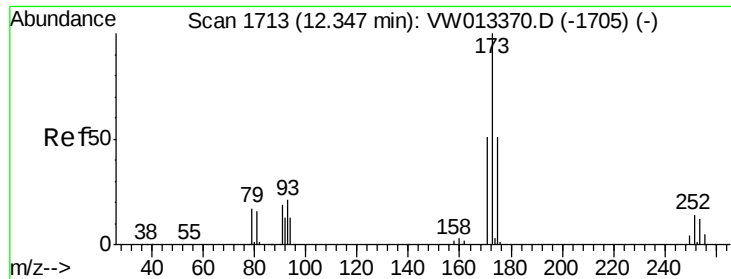
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#70
Styrene
Concen: 95.083 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion:104 Resp: 1044039
Ion Ratio Lower Upper
104 100
78 47.8 38.4 57.6
103 55.2 43.3 64.9





#71

Bromoform

Concen: 103.507 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

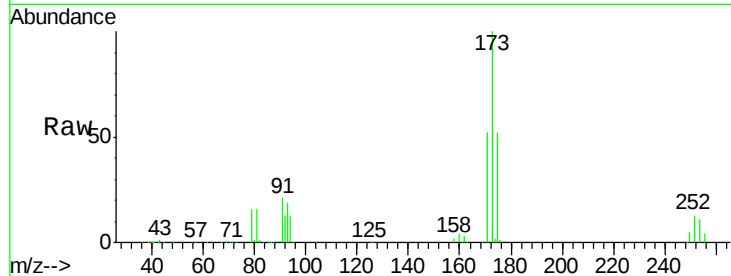
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	0.1	0.1	0.1

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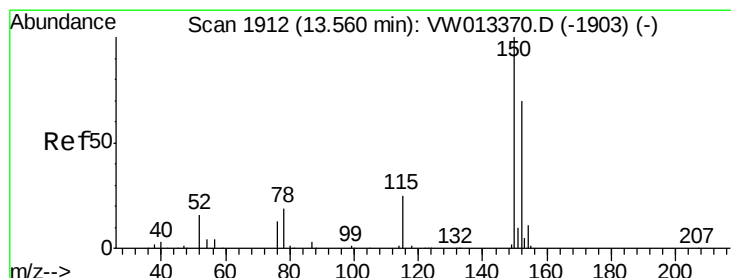
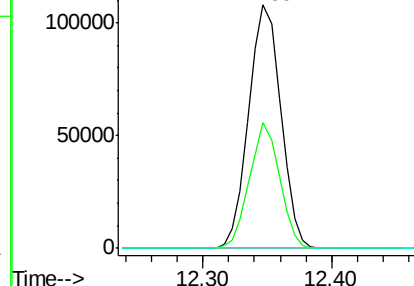
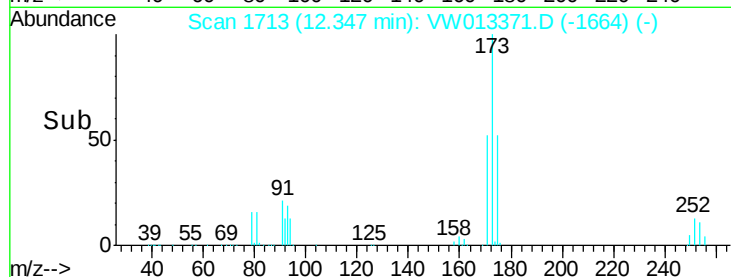


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

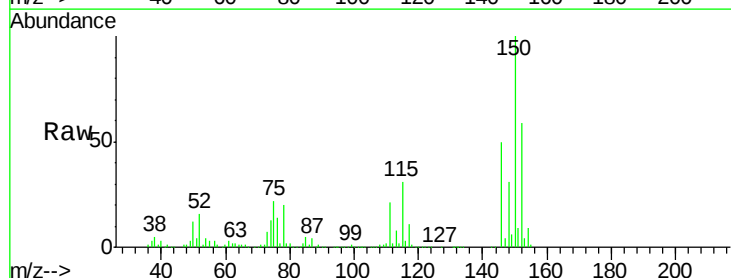
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.3	81.9
150	189.9	0.0	349.0

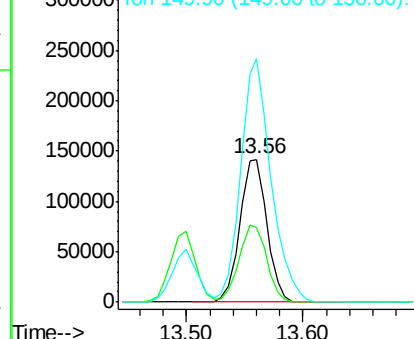
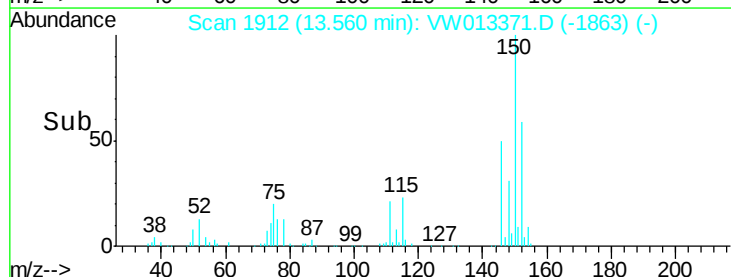


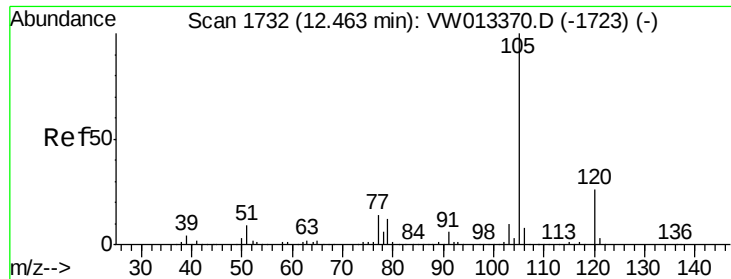
Abundance

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: 98.047 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1661816

Ion Ratio Lower Upper

105 100

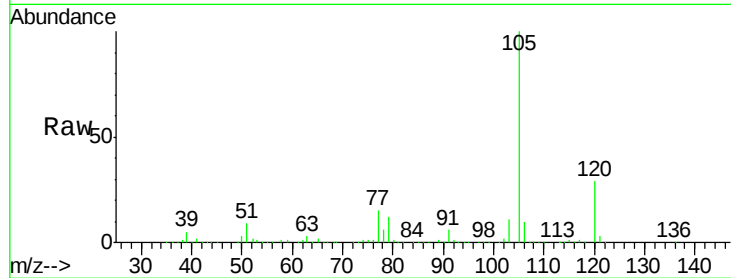
120 27.7 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

400000

200000

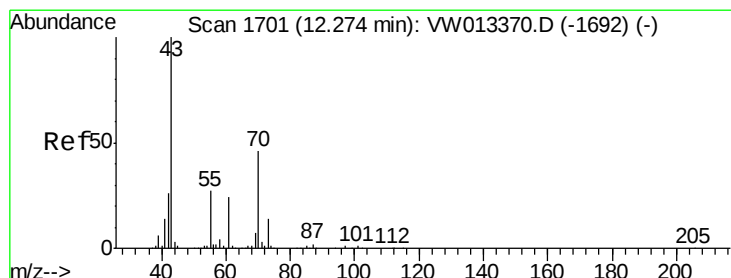
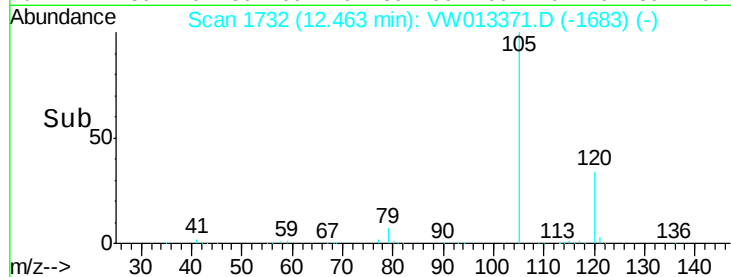
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 94.244 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion: 43 Resp: 354454

Ion Ratio Lower Upper

43 100

70 46.4 35.1 52.7

55 25.5 19.9 29.9

61 26.5 19.5 29.3

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

300000

200000

100000

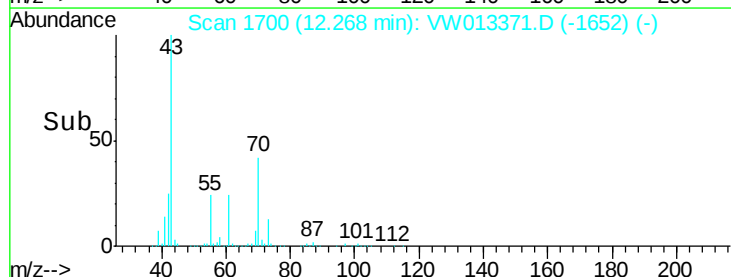
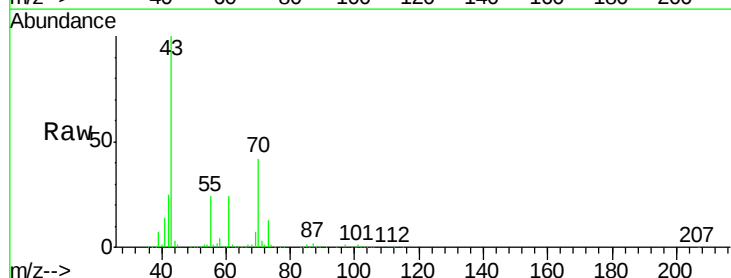
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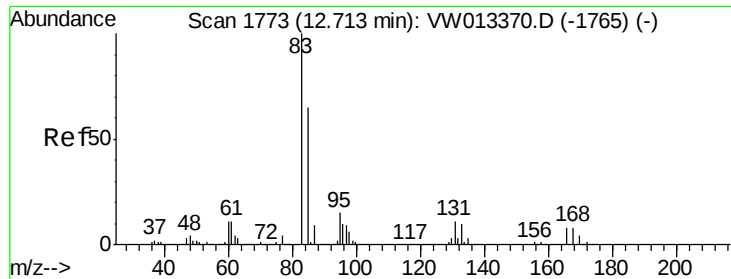
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 95.455 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

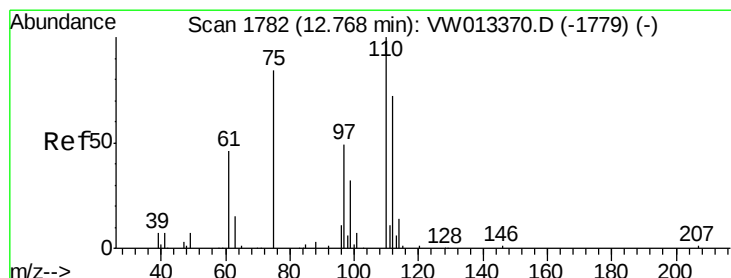
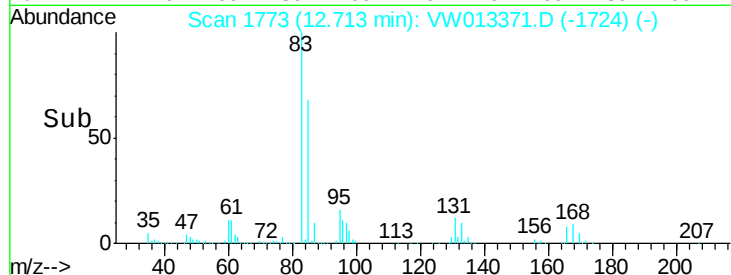
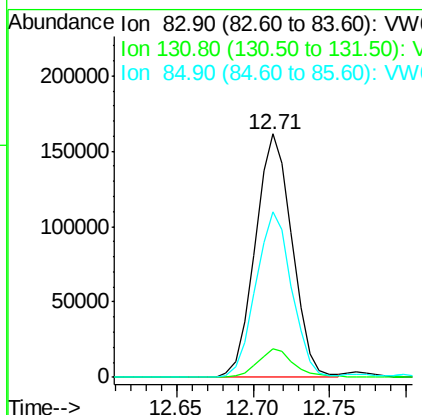
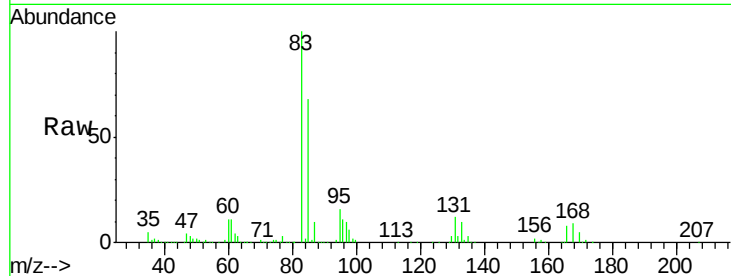
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	270579
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.4	16.2
85	66.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 107.151 ug/l m

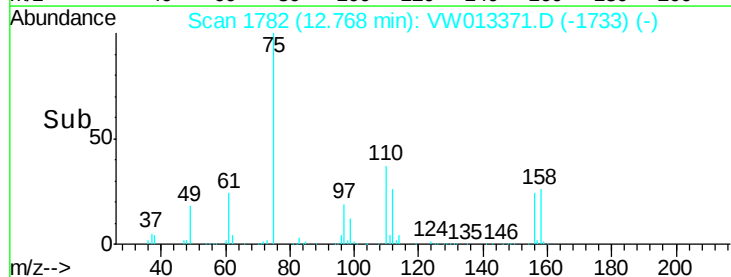
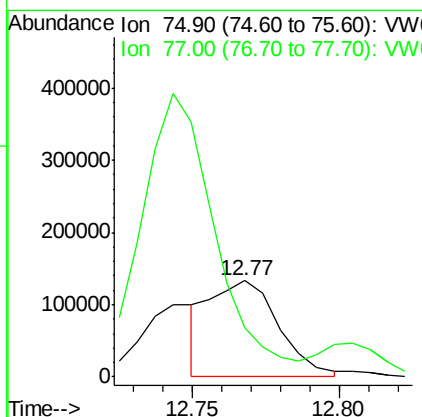
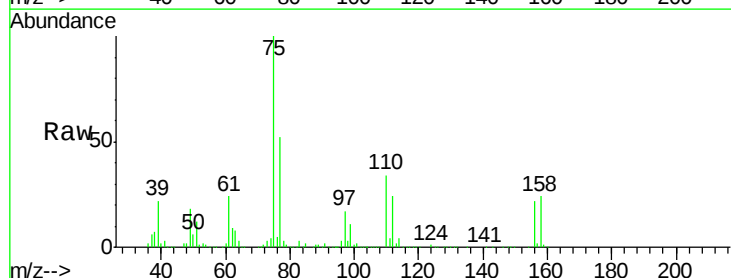
RT: 12.77 min Scan# 1782

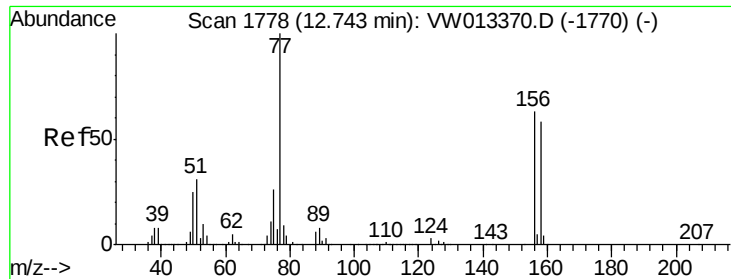
Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion:	75	Resp:	217119
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 101.917 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

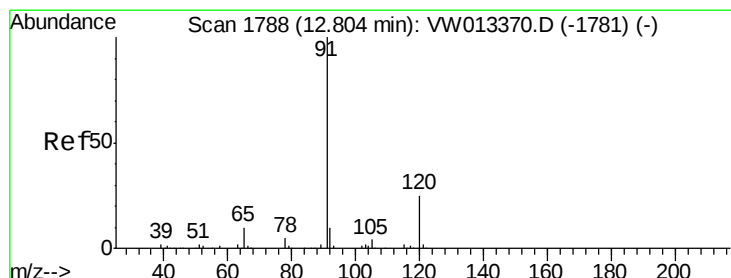
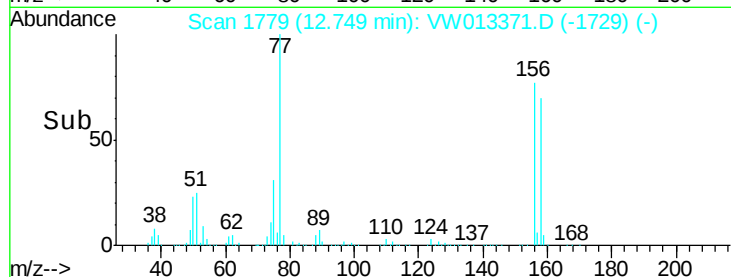
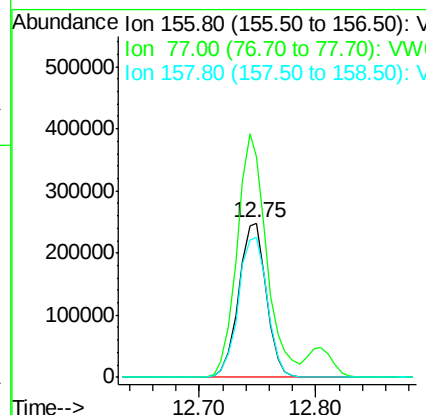
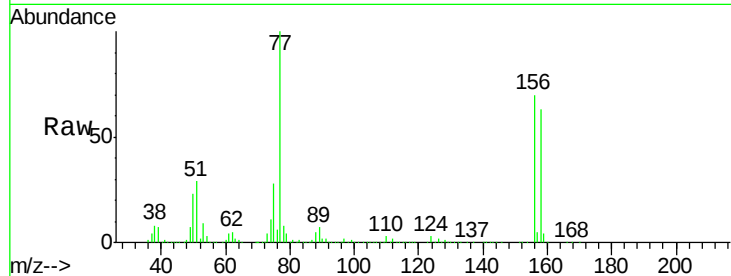
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.0	85.7	257.1
158	95.1	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 99.710 ug/l

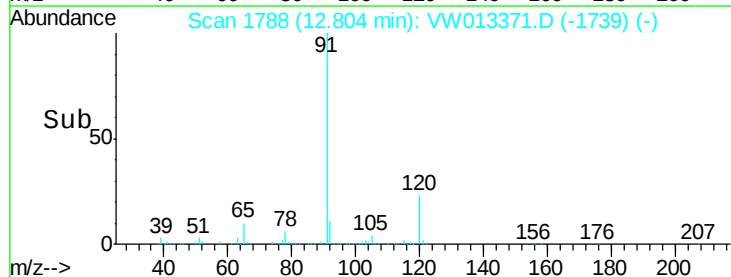
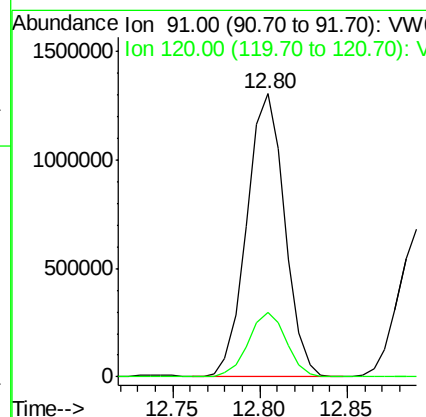
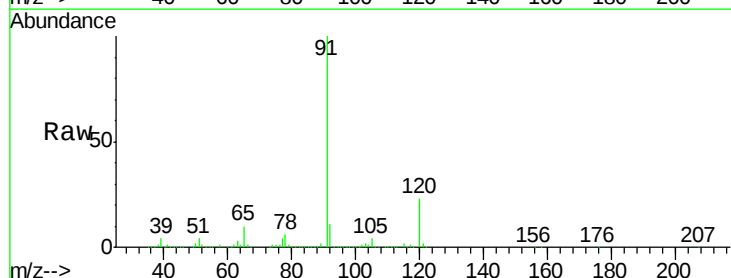
RT: 12.80 min Scan# 1788

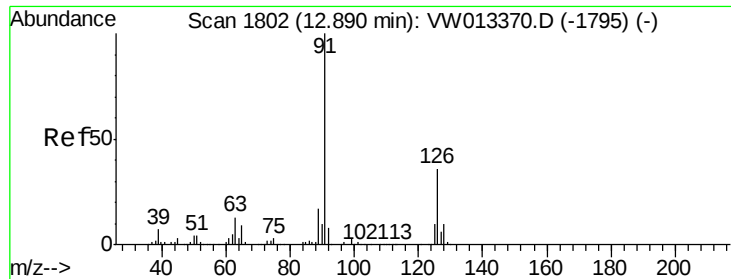
Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.7	35.1





#79

2-Chlorotoluene

Concen: 97.171 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1080039

Ion Ratio Lower Upper

91 100

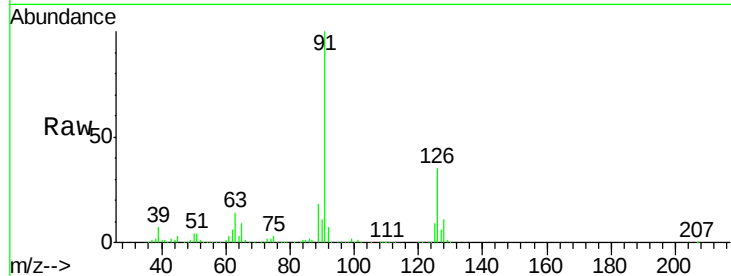
126 35.3 17.2 51.5

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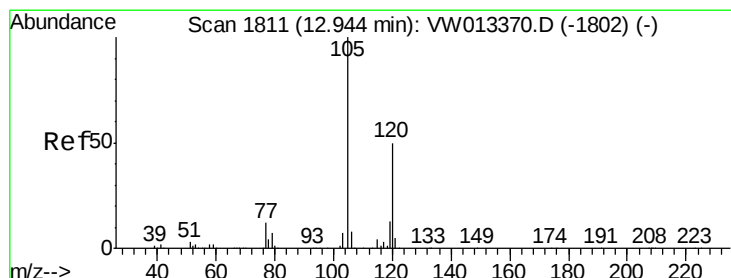
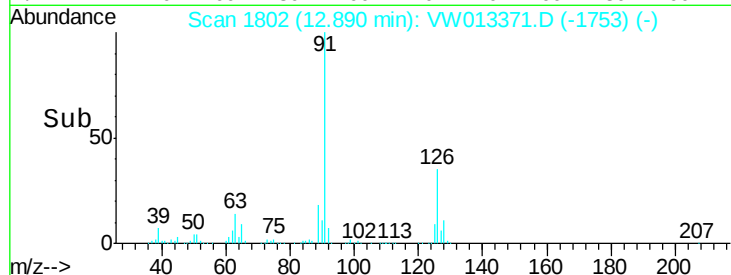
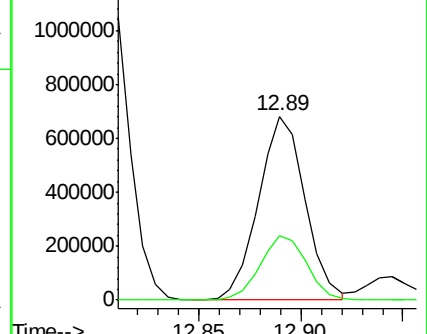
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 97.927 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013371.D

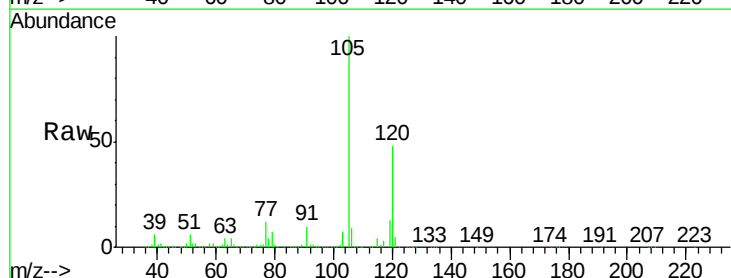
Acq: 01 Oct 2019 14:46

Tgt Ion:105 Resp: 1395229

Ion Ratio Lower Upper

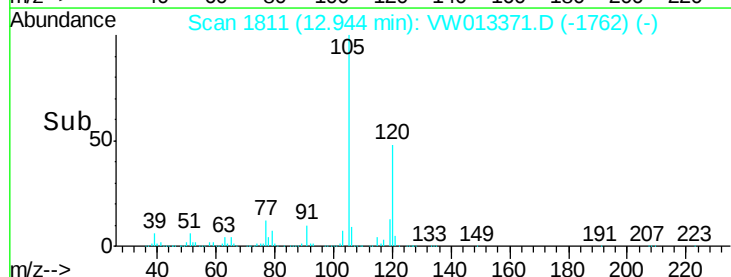
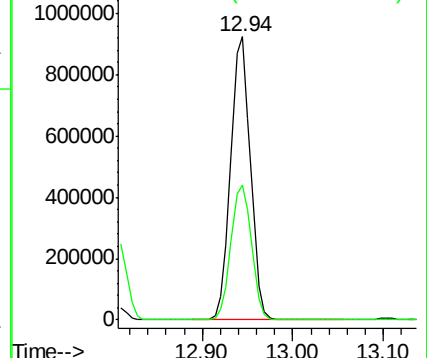
105 100

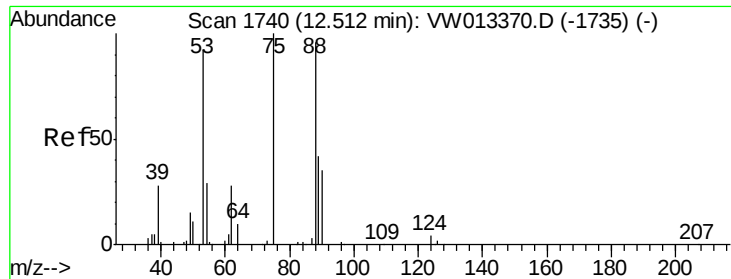
120 49.9 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.407 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

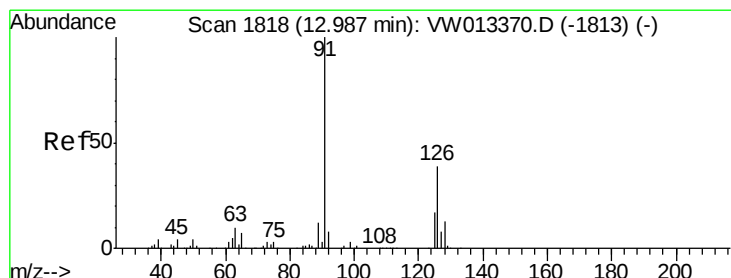
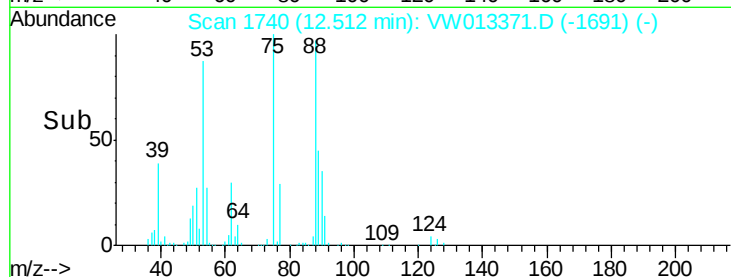
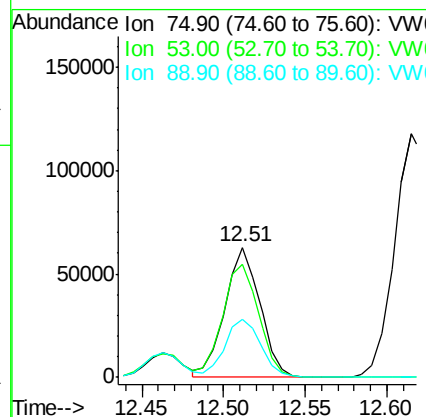
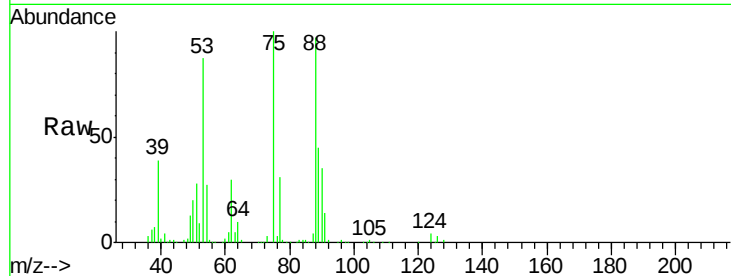
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	94281
Ion	Ratio	Lower	Upper
75	100		
53	90.1	76.6	114.8
89	45.3	33.5	50.3

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#82

4-Chlorotoluene

Concen: 96.676 ug/l

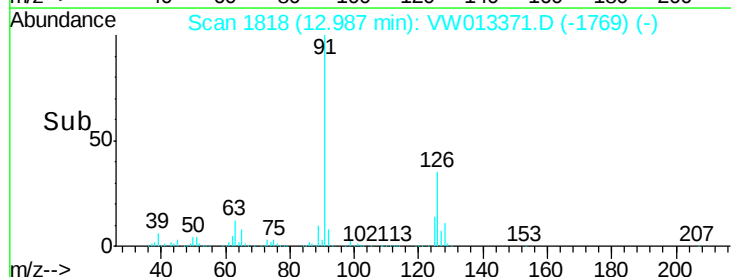
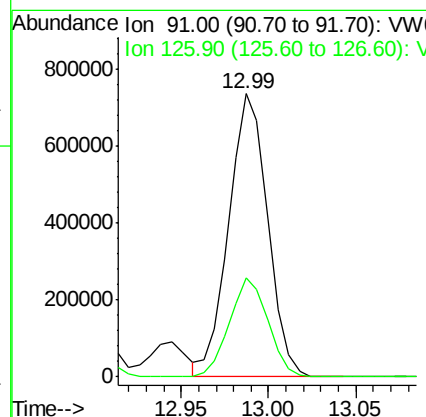
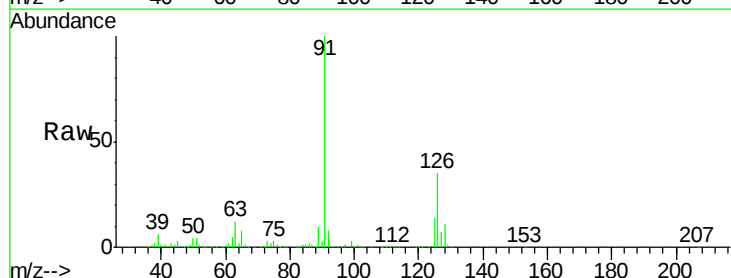
RT: 12.99 min Scan# 1818

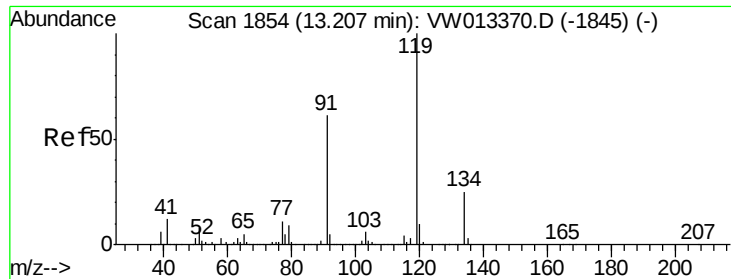
Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion:	91	Resp:	1133141
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





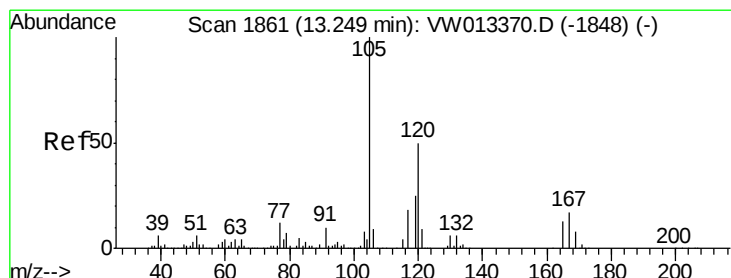
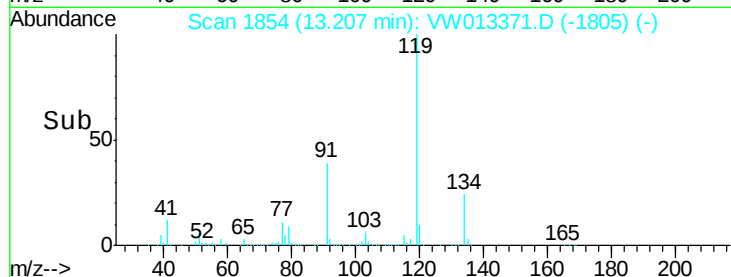
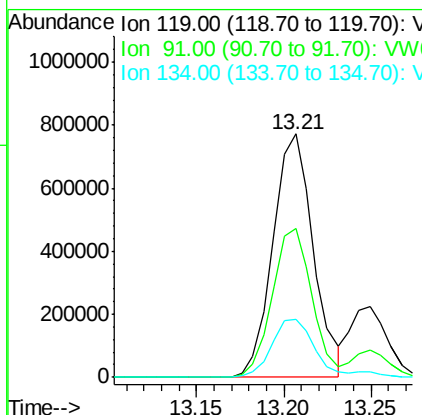
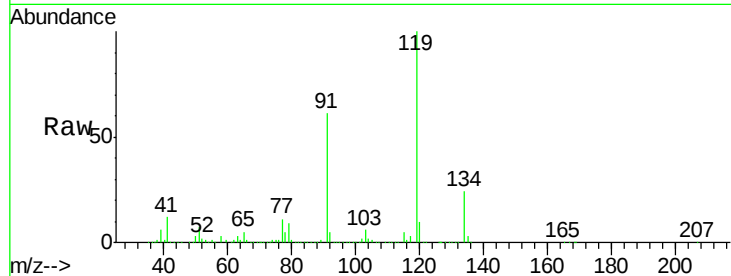
#83
tert-Butylbenzene
Concen: 99.620 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1245775
Ion Ratio Lower Upper
119 100
91 60.1 30.7 92.1
134 26.4 12.6 37.6

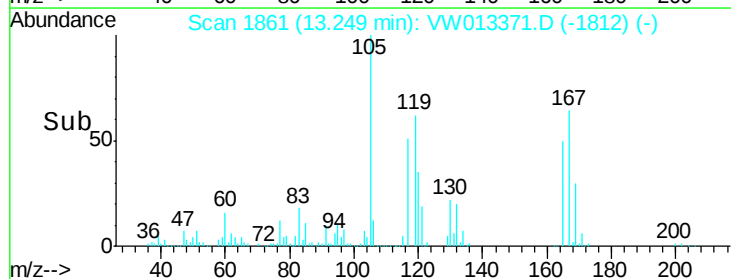
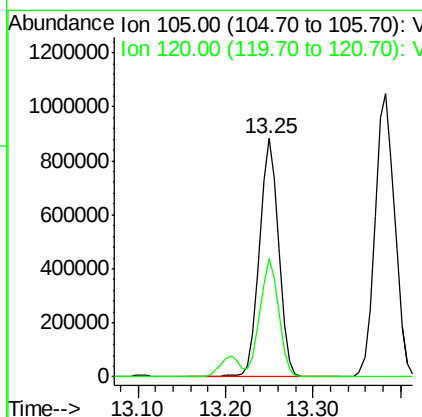
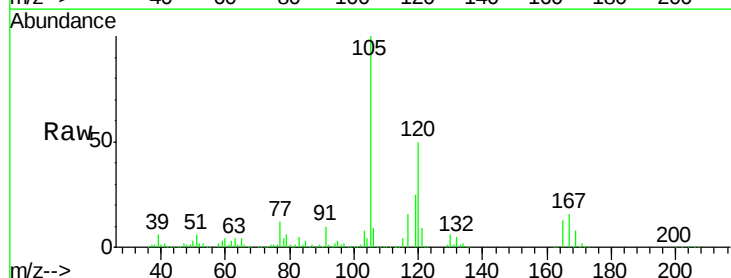
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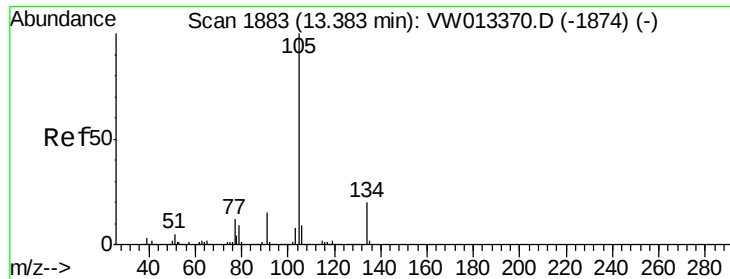
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#84
1,2,4-Trimethylbenzene
Concen: 95.206 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion:105 Resp: 1349800
Ion Ratio Lower Upper
105 100
120 47.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 94.760 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1633748

Ion Ratio Lower Upper

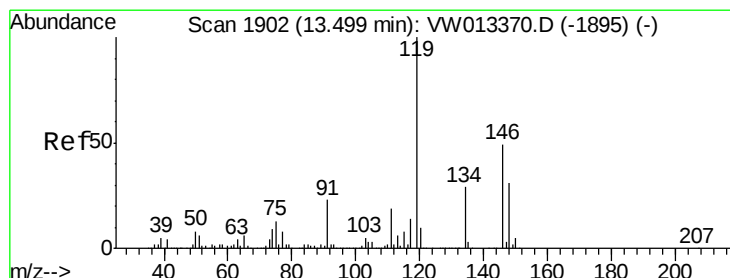
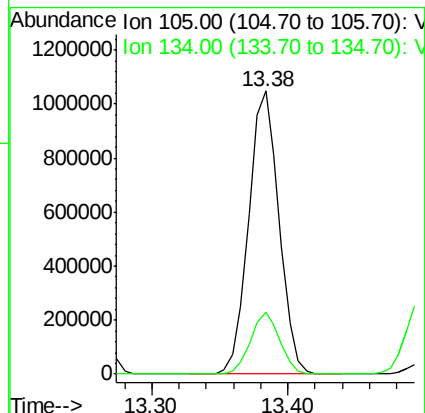
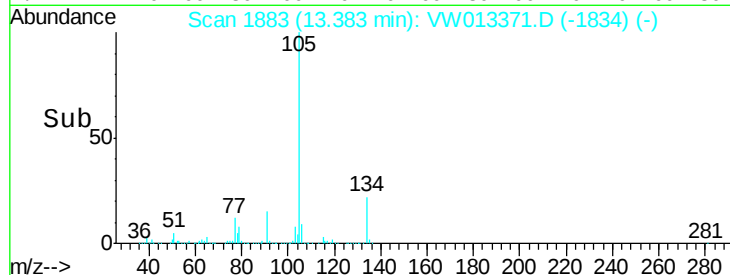
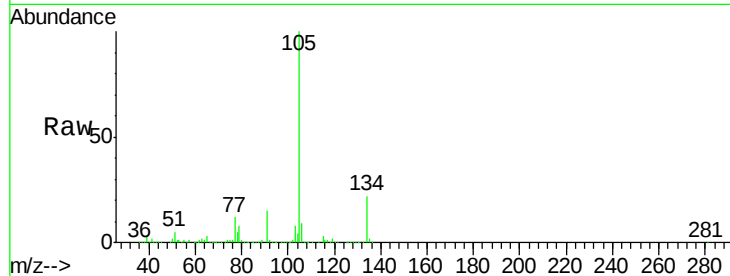
105 100

134 21.2 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 97.834 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

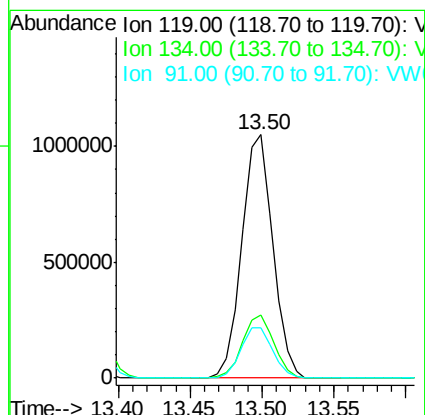
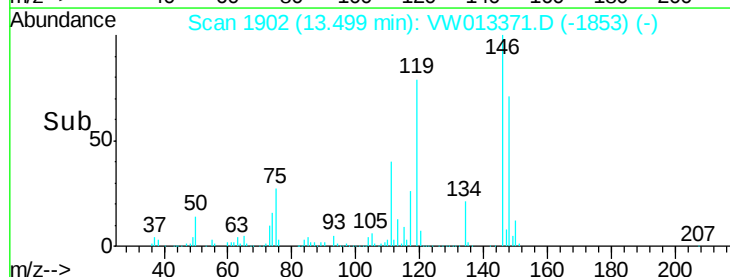
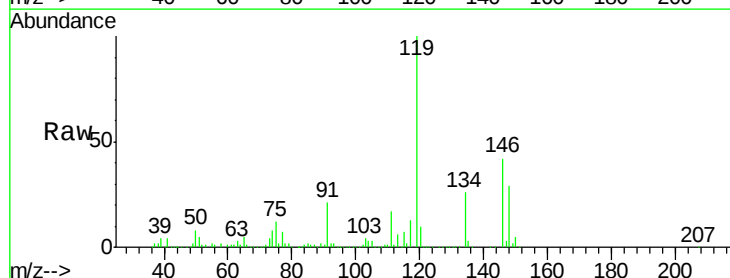
Tgt Ion:119 Resp: 1564467

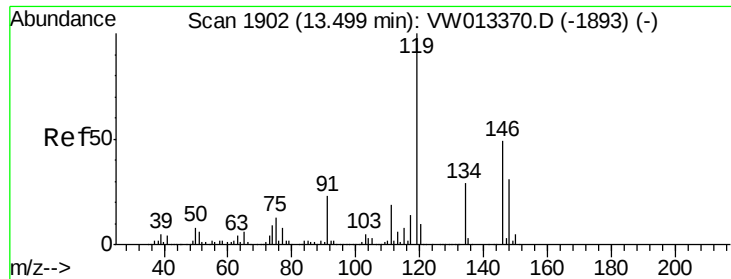
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 21.3 10.8 32.4





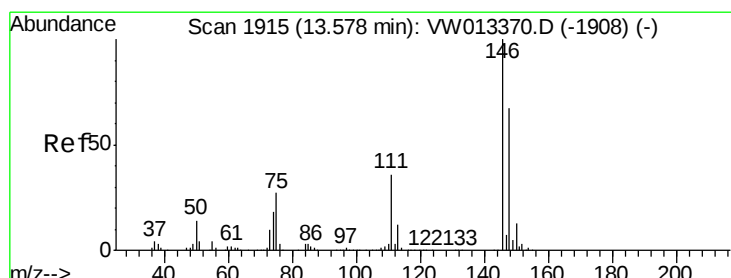
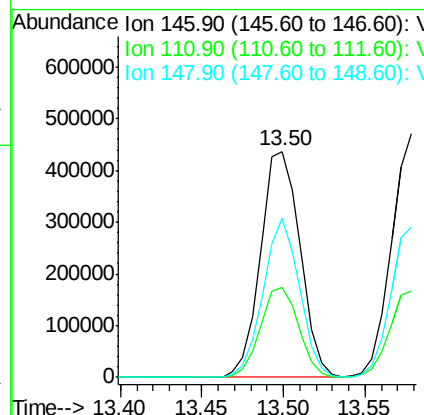
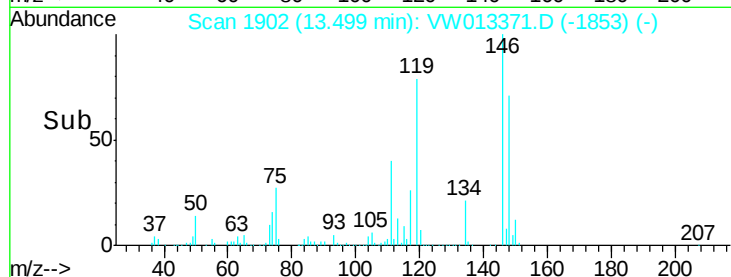
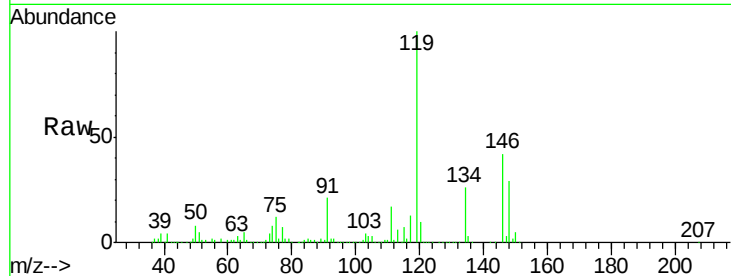
#87
 1,3-Dichlorobenzene
 Concen: 95.217 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	736026		
111	39.0	18.9	56.9	
148	64.9	31.9	95.5	

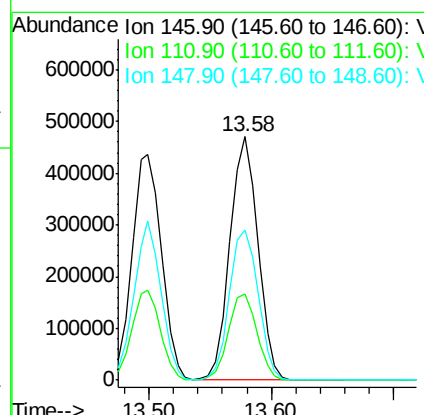
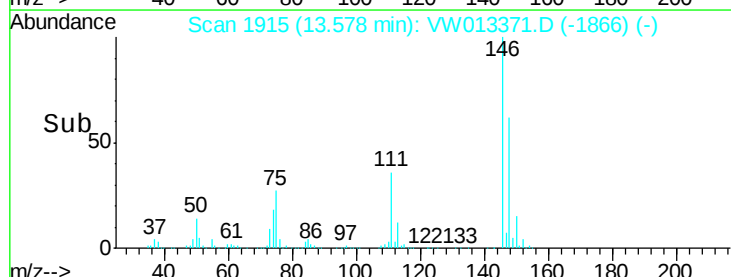
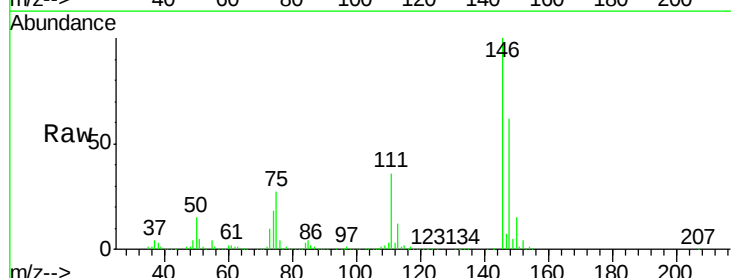
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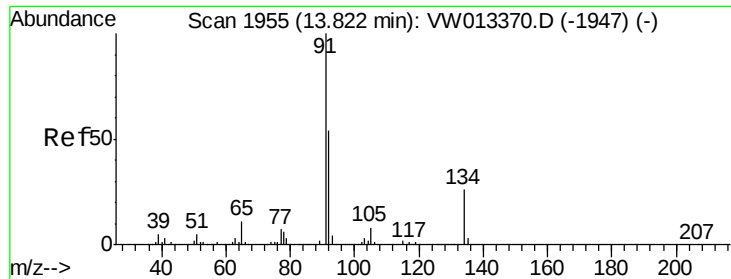
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#88
 1,4-Dichlorobenzene
 Concen: 98.090 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	743643		
111	36.3	18.4	55.0	
148	63.6	32.1	96.3	





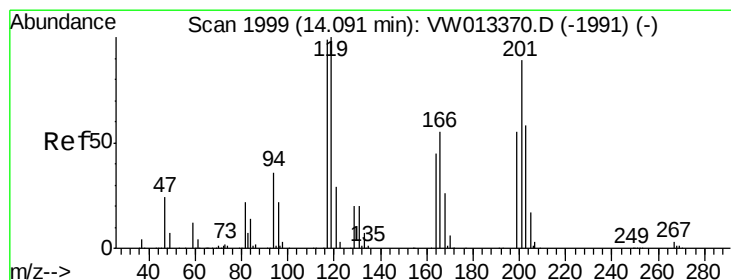
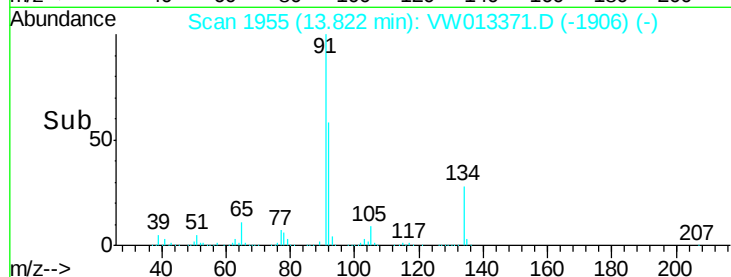
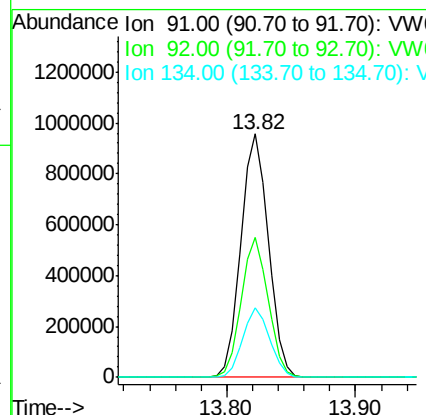
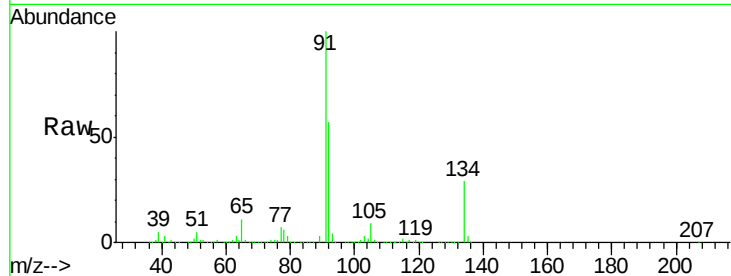
#89
n-Butylbenzene
Concen: 96.780 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1413127
Ion Ratio Lower Upper
91 100
92 56.1 27.6 82.8
134 28.0 13.7 41.1

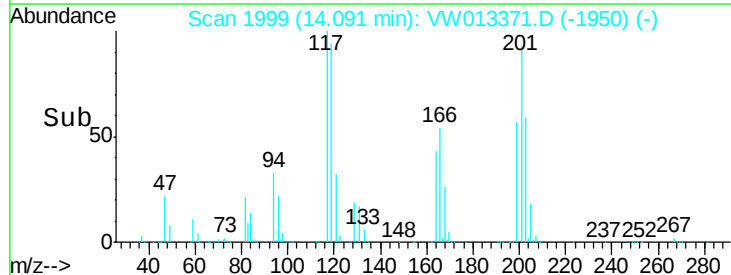
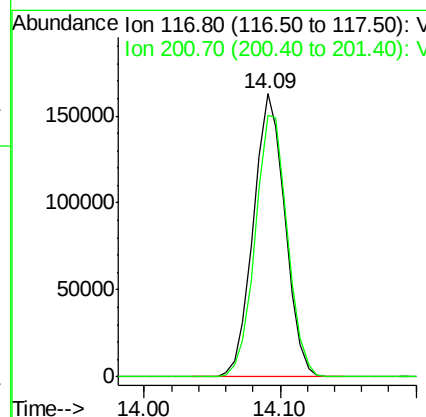
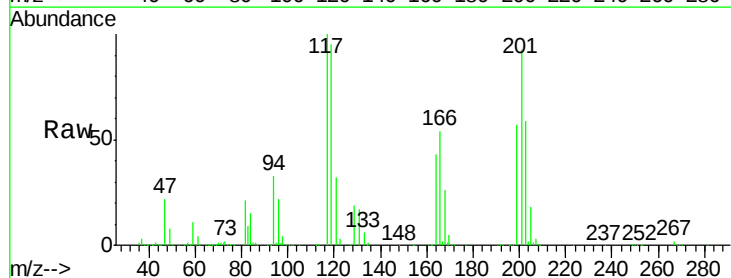
Manual Integrations
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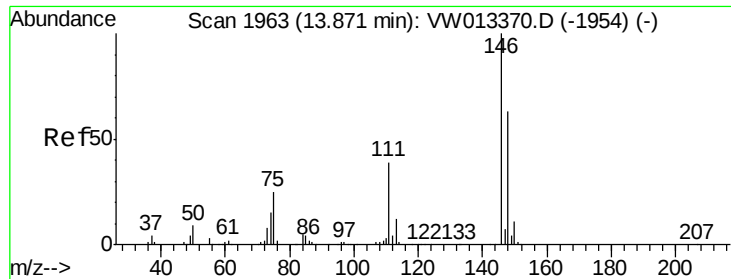
MMDadoda
10/7/2019 8:22:47 AM



#90
Hexachloroethane
Concen: 99.012 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion: 117 Resp: 265981
Ion Ratio Lower Upper
117 100
201 93.9 44.5 133.5





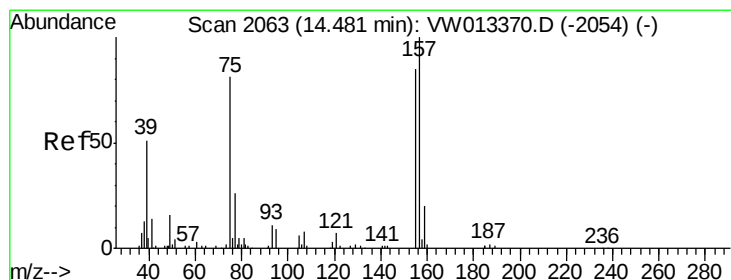
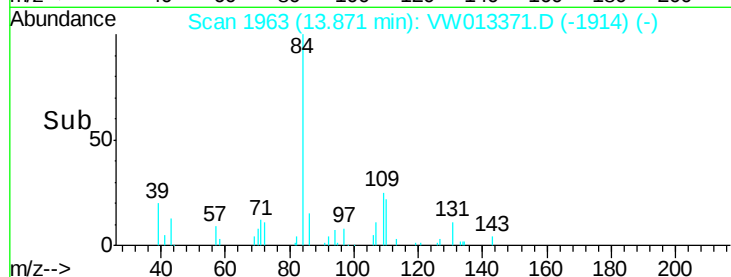
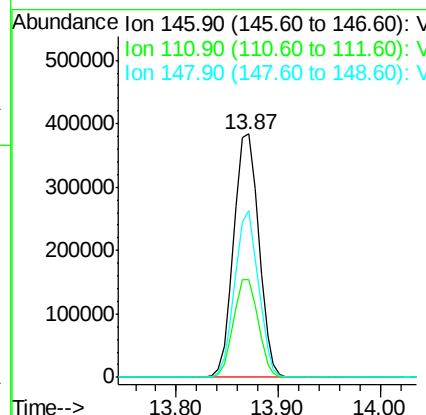
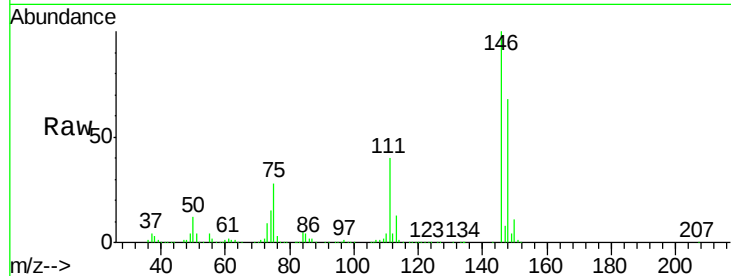
#91
 1,2-Dichlorobenzene
 Concen: 97.635 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.3
148	64.9	32.0	96.0

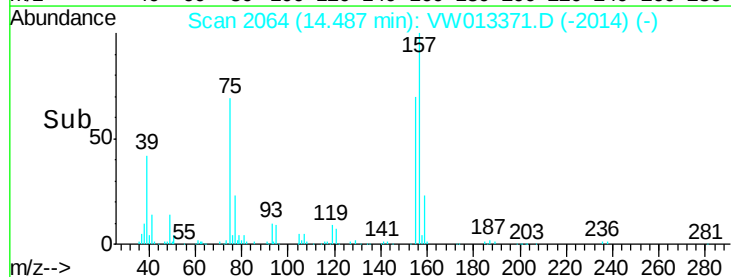
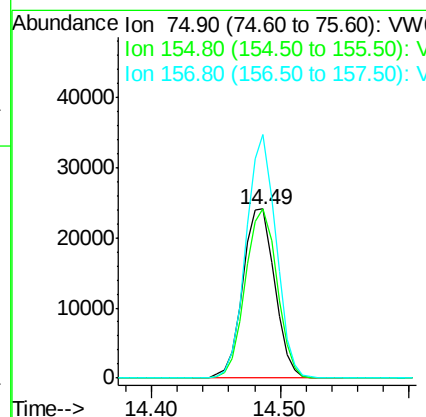
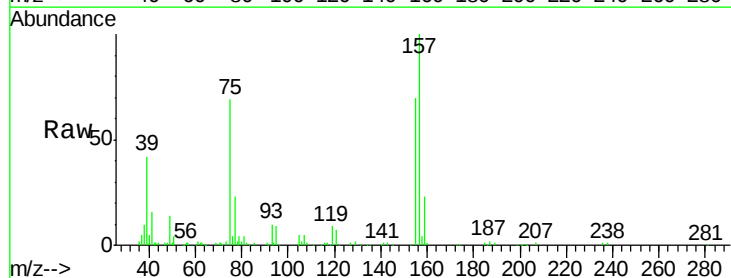
Manual Integrations
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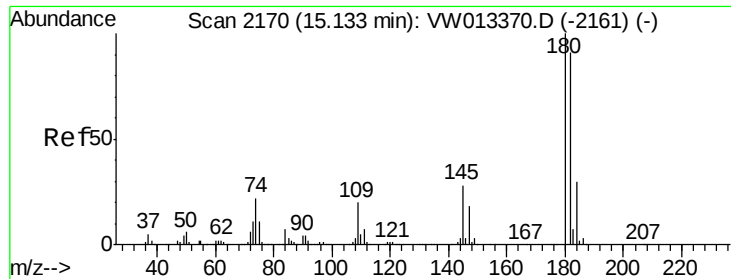
MMDadoda
 10/7/2019 8:22:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.851 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	46.1	138.3
157	133.4	60.4	181.2





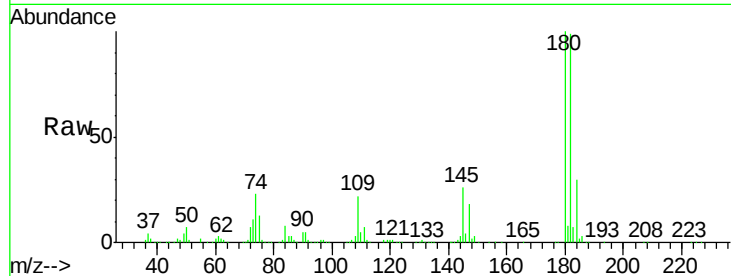
#93
1,2,4-Trichlorobenzene
Concen: 102.048 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

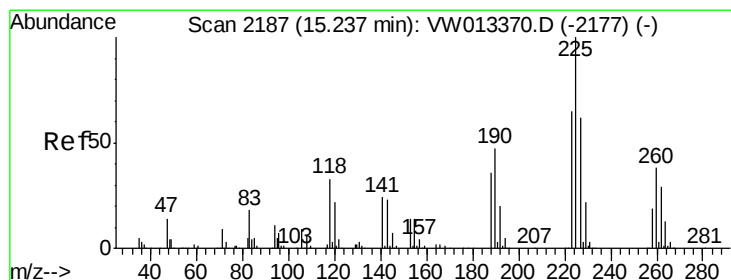
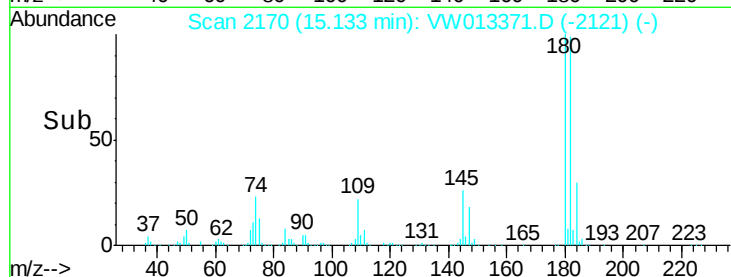
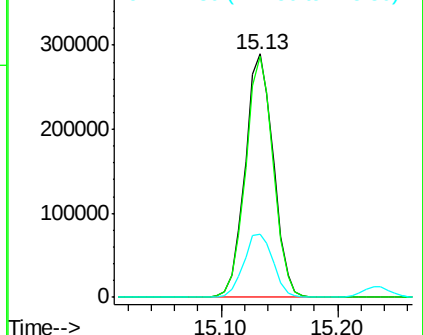
Tot Ion	Ratio	Resp	Lower	Upper
180	100	489019		
182	96.8		47.3	142.0
145	27.2		14.2	42.8

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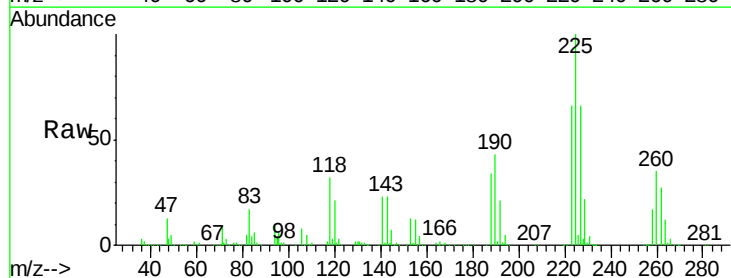


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

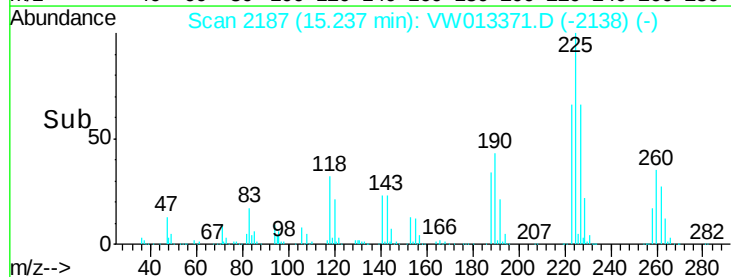
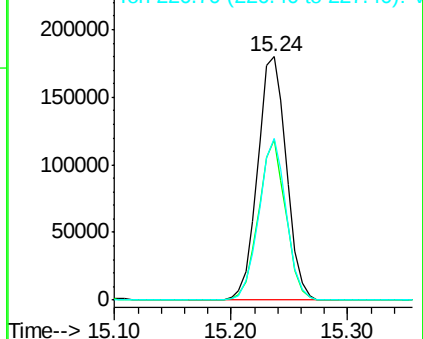


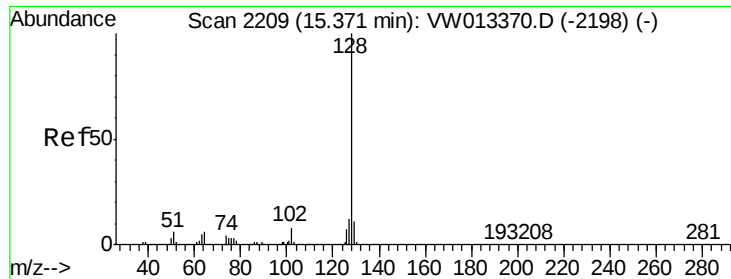
#94
Hexachlorobutadiene
Concen: 94.286 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	309114		
223	62.4		30.6	91.8
227	63.0		31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 106.672 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

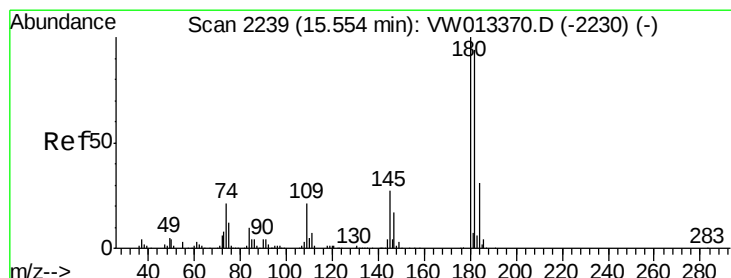
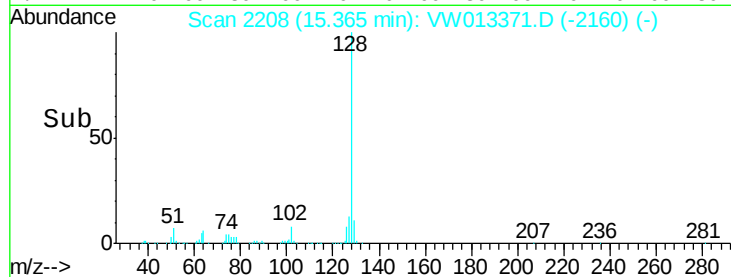
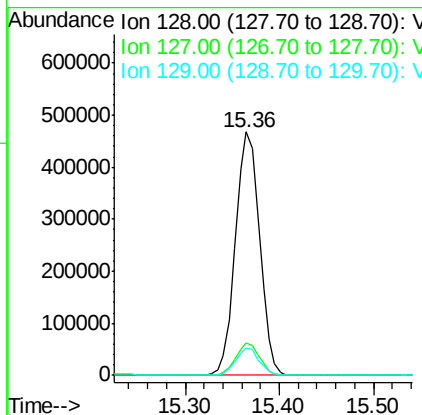
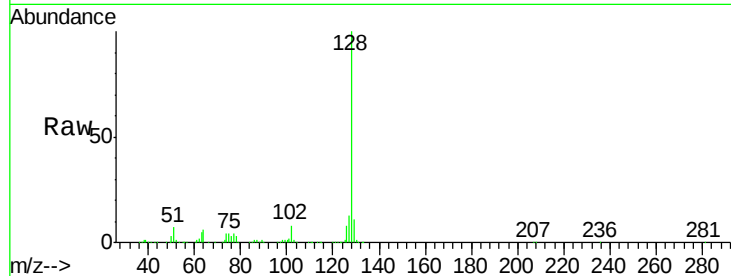
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	836048
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.0	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 101.013 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Tgt Ion:	180	Resp:	418263
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.9	143.7
145	29.8	15.0	45.0

