

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

Quant Time: Oct 01 15:46:55 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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100119\
 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

Quant Time: Oct 01 15:46:55 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)
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	357494	176.428	ug/l #	100
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

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

Quant Time: Oct 01 15:46:55 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

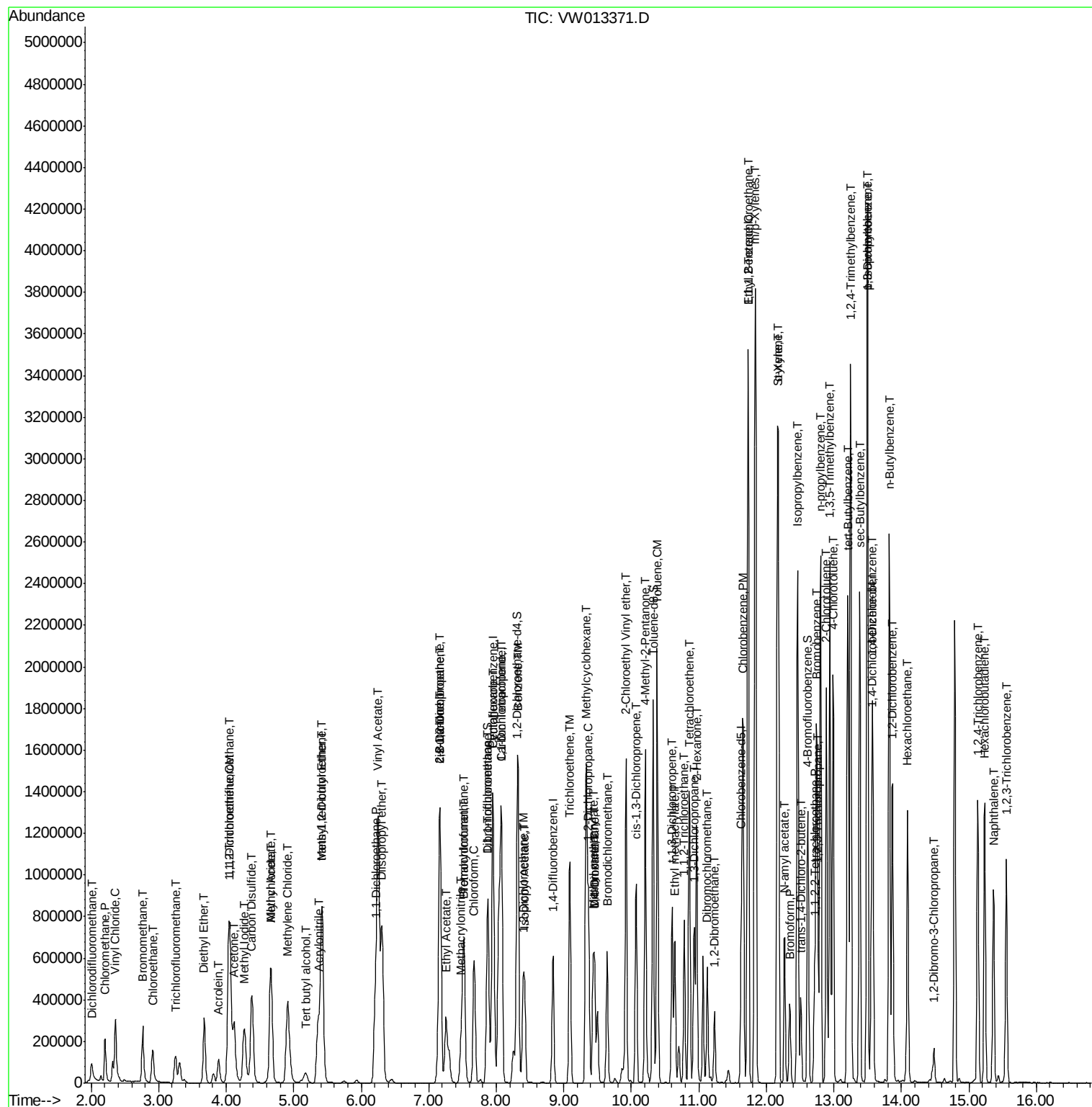
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	489019	102.048	ug/l	98
94) Hexachlorobutadiene	15.24	225	309114	94.286	ug/l	99
95) Naphthalene	15.36	128	836048	106.672	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	418263	101.013	ug/l	99

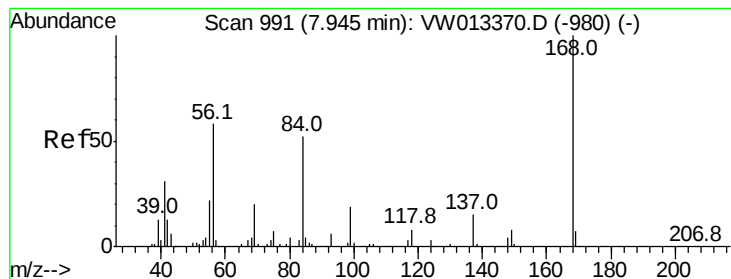
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013371.D
 Acq On : 01 Oct 2019 14:46
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Quant Time: Oct 01 15:46:55 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:43:14 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013371.D

Acq: 01 Oct 2019 14:46

Instrument :

MSVOA_W

ClientSampleId :

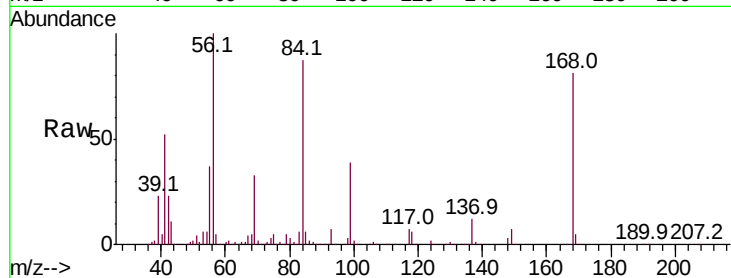
VSTDIC100

Tot Ion:168 Resp: 383562

Ion Ratio Lower Upper

168 100

99 48.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

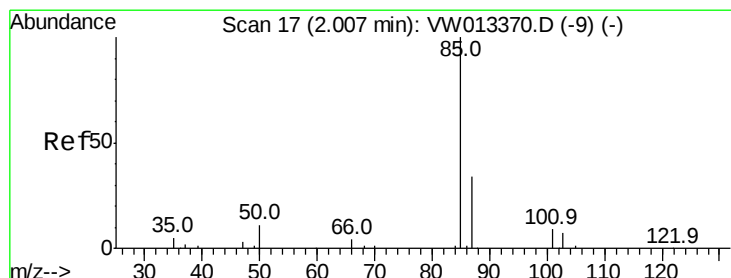
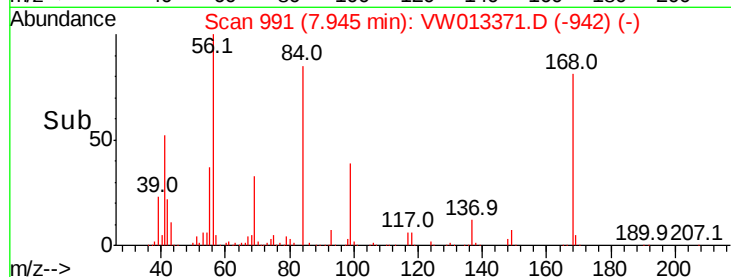
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 70.340 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013371.D

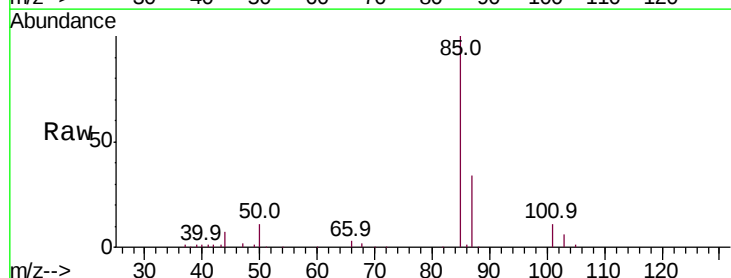
Acq: 01 Oct 2019 14:46

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

60000

50000

40000

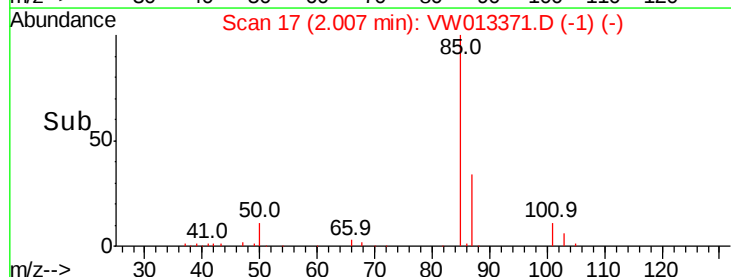
30000

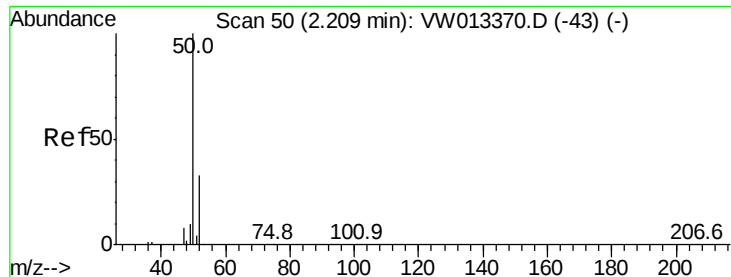
20000

10000

0

Time--> 2.00 2.20





#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 :

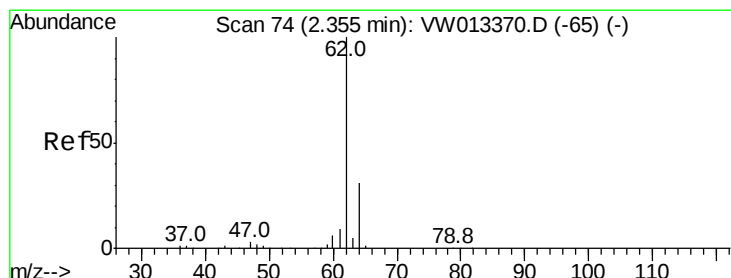
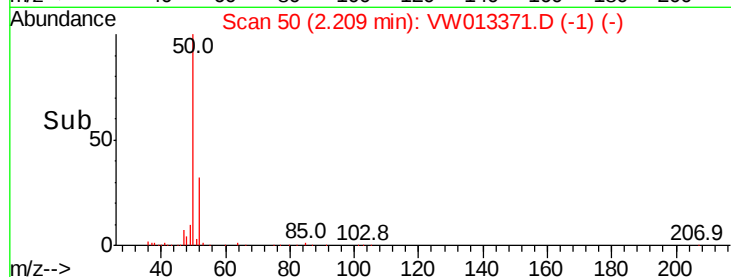
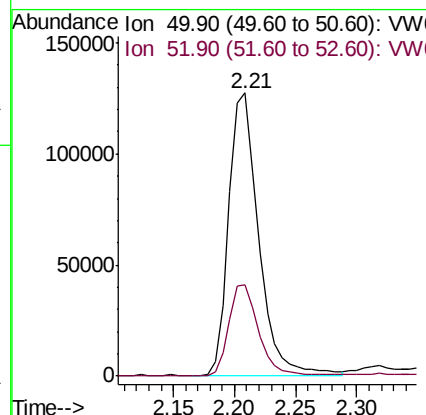
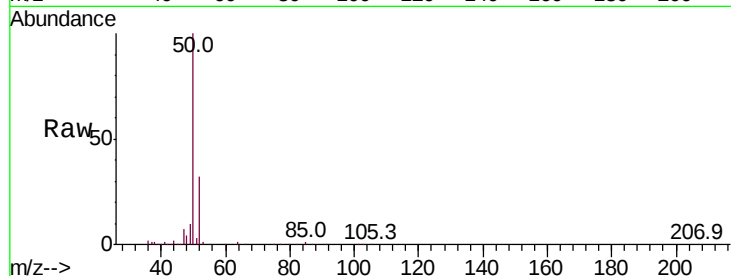
VSTDIC100

Tot Ion: 50 Resp: 216288

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#4

Vinyl Chloride

Concen: 89.551 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013371.D

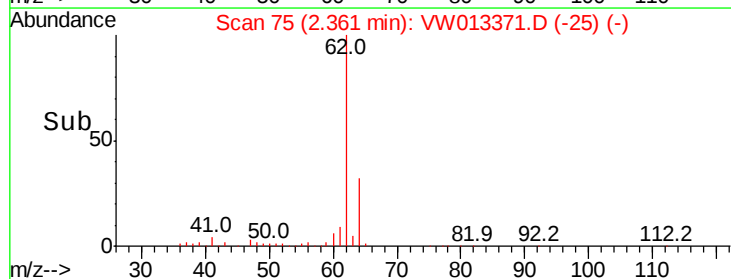
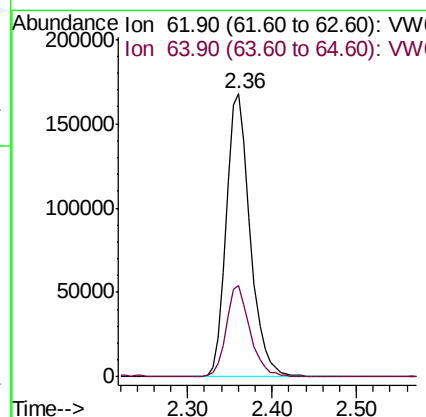
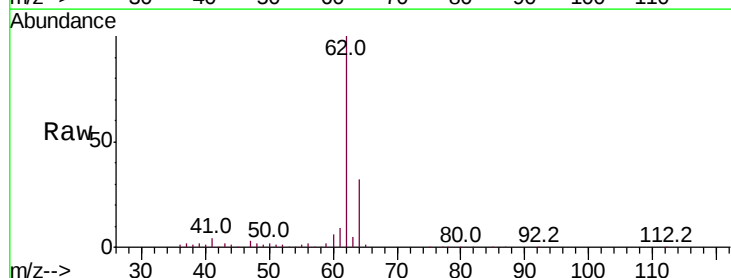
Acq: 01 Oct 2019 14:46

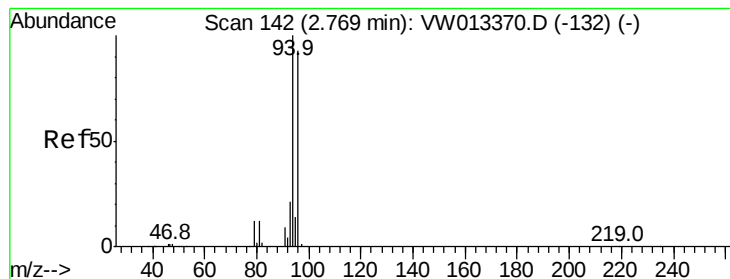
Tgt Ion: 62 Resp: 328353

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 :

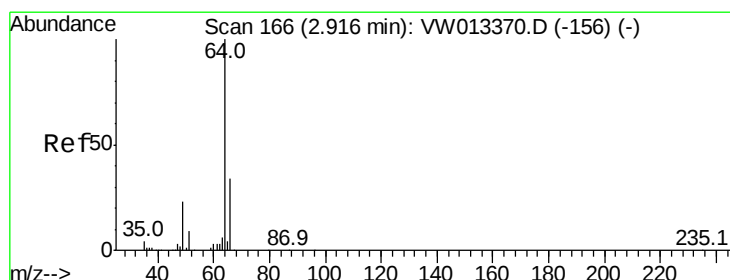
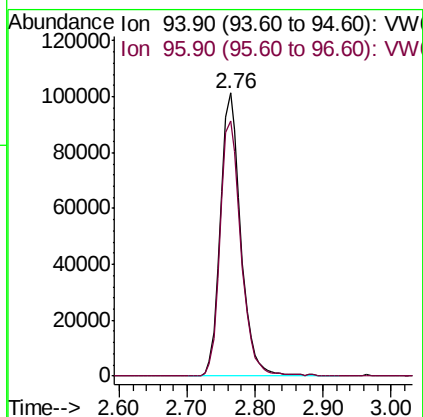
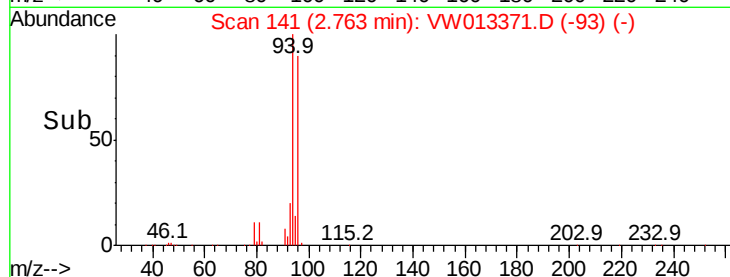
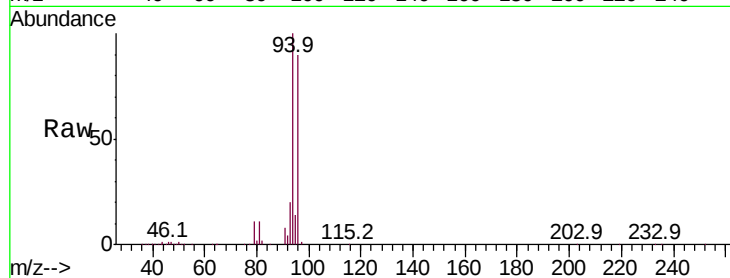
VSTDIC100

Tot Ion: 94 Resp: 210693

Ion Ratio Lower Upper

94 100

96 90.2 69.7 104.5



#6

Chloroethane

Concen: 88.790 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013371.D

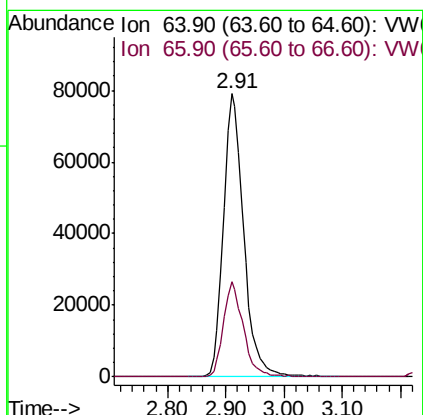
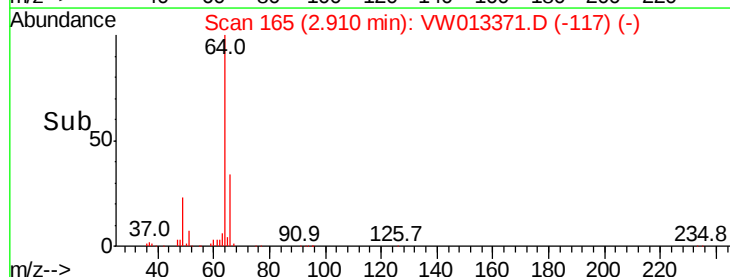
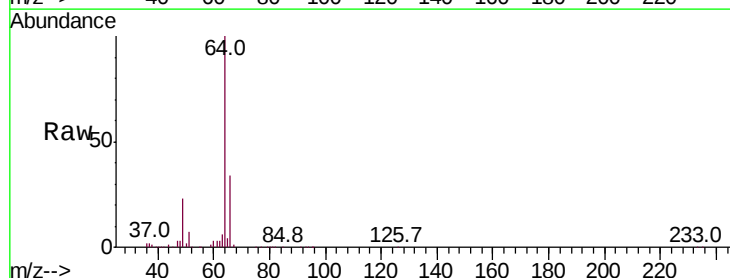
Acq: 01 Oct 2019 14:46

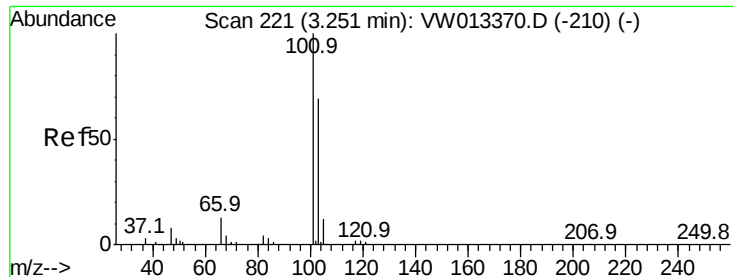
Tgt Ion: 64 Resp: 191903

Ion Ratio Lower Upper

64 100

66 33.7 26.6 39.8



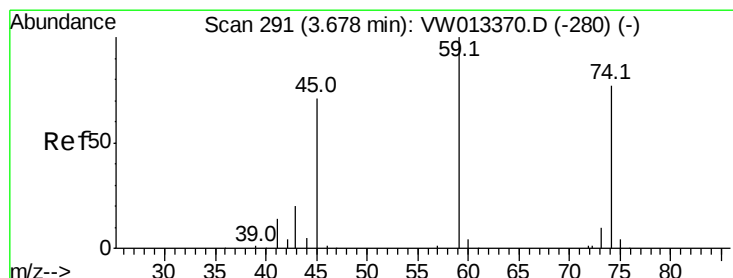
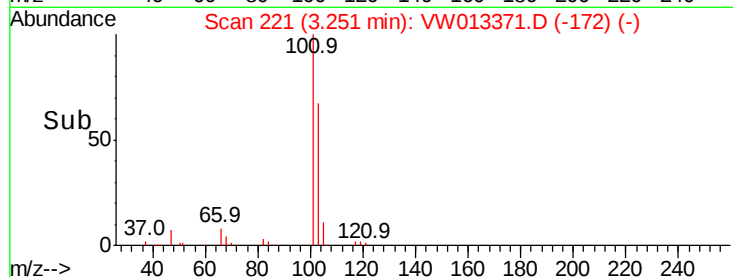
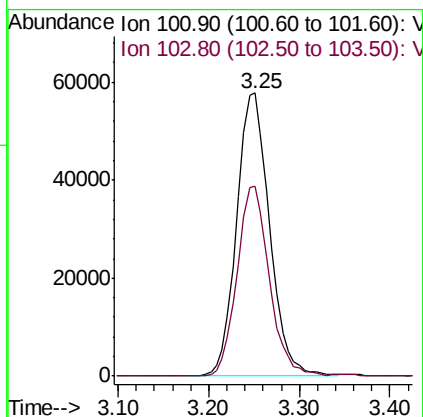
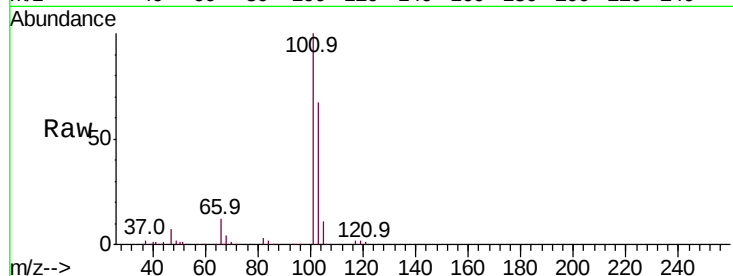


#7

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

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

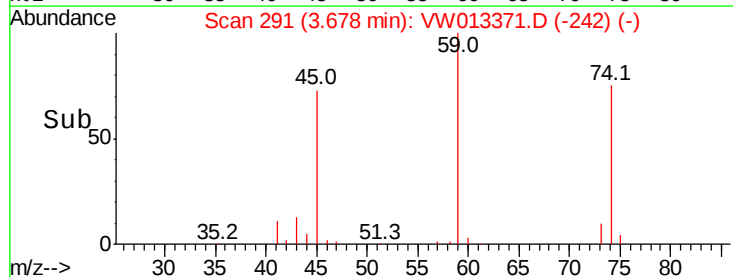
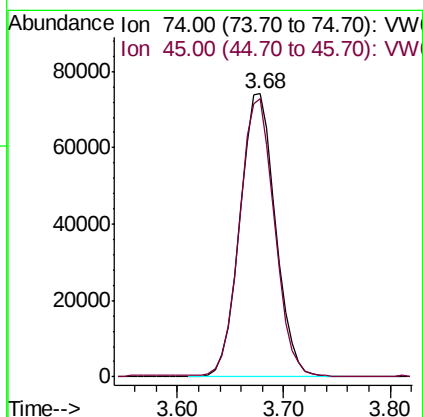
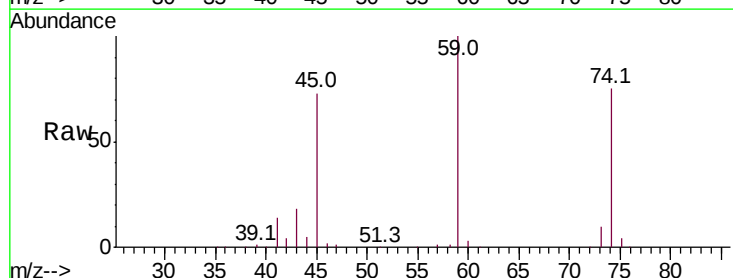
Tot Ion:101 Resp: 145551
 Ion Ratio Lower Upper
 101 100
 103 67.0 49.7 74.5

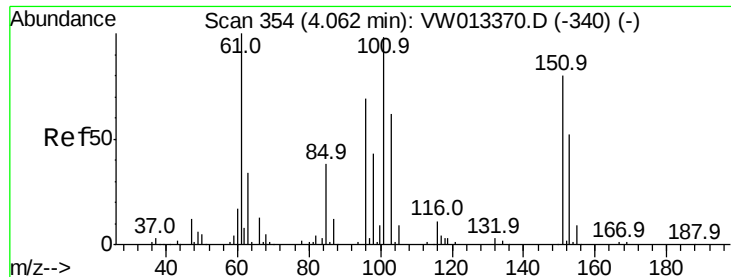


#8

Diethyl Ether
 Concen: 96.398 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Tgt Ion: 74 Resp: 174089
 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

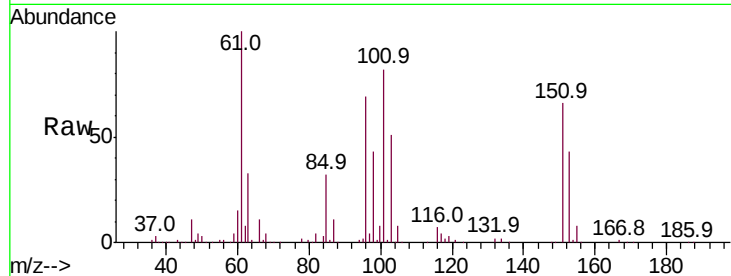
Tot Ion:101 Resp: 322558

Ion Ratio Lower Upper

101 100

85 40.3 33.4 50.0

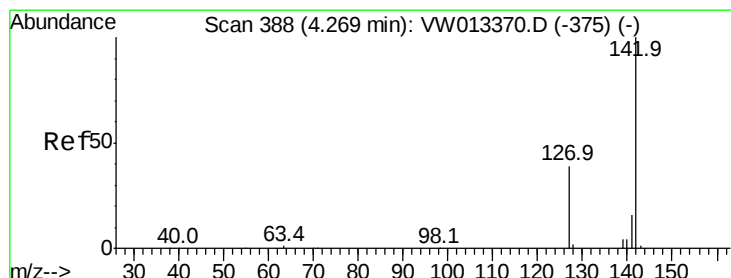
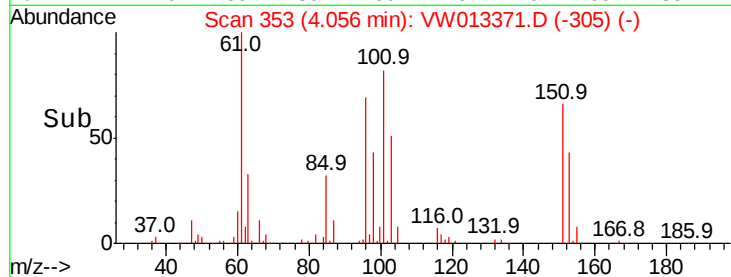
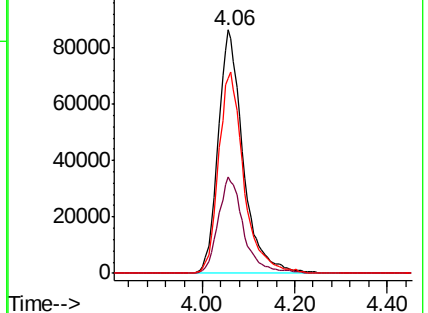
151 83.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#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

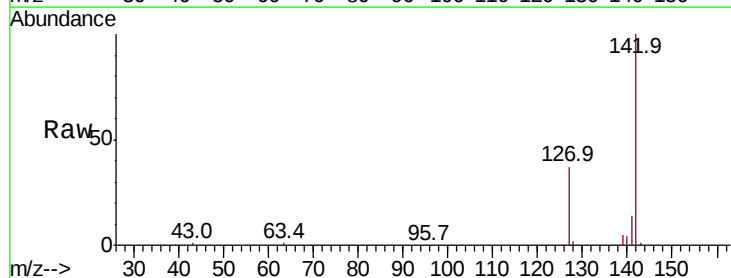
Tgt Ion:142 Resp: 537117

Ion Ratio Lower Upper

142 100

127 37.2 30.9 46.3

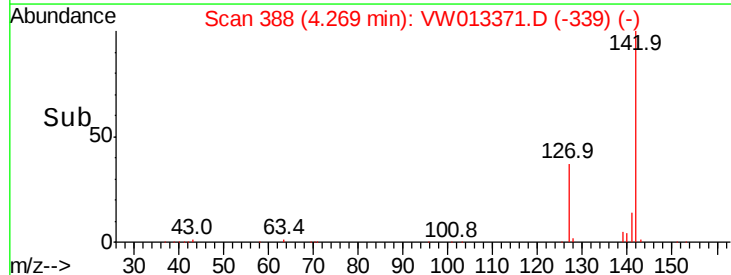
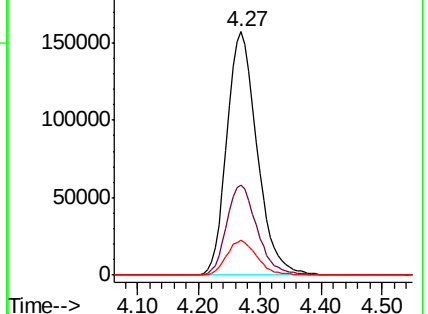
141 14.3 11.7 17.5

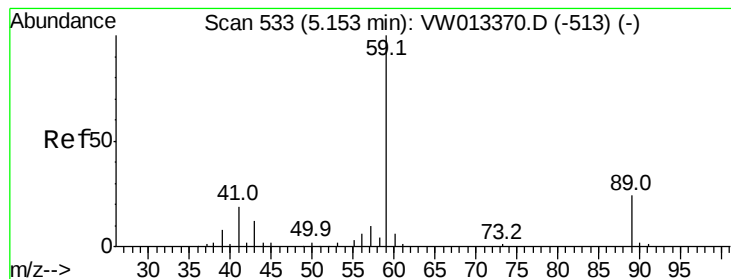


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



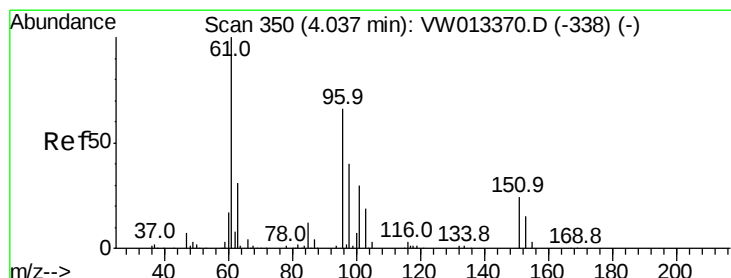
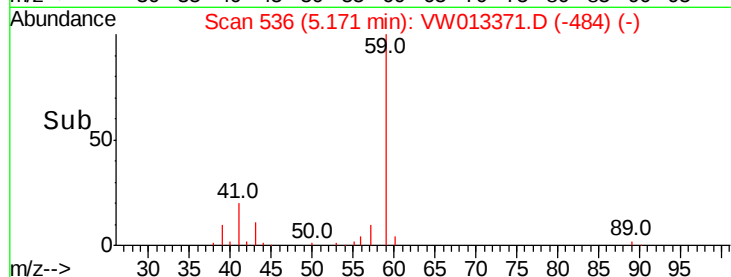
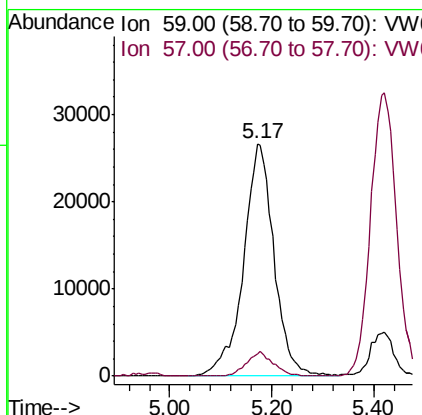
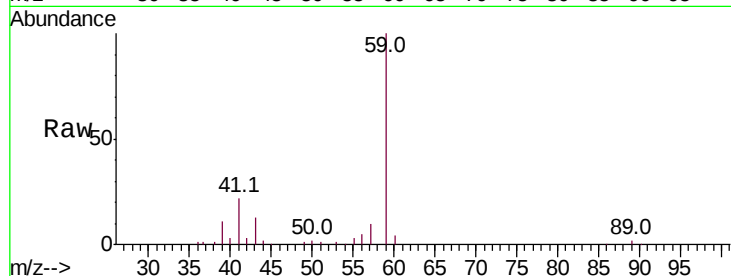


#11

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

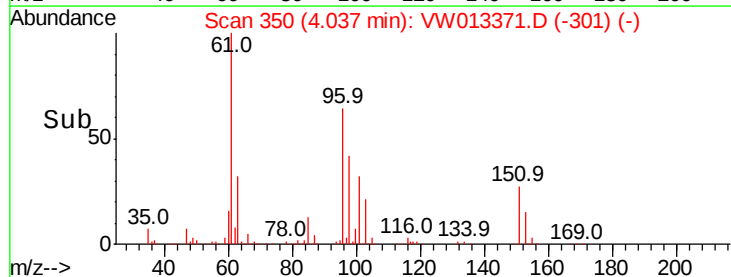
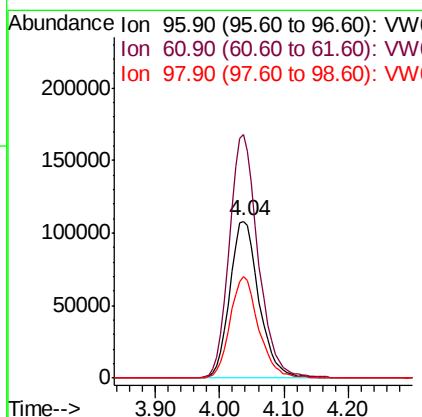
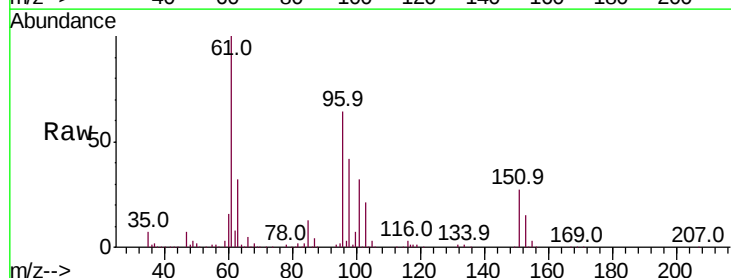
Tot Ion: 59 Resp: 110658
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.2 12.2

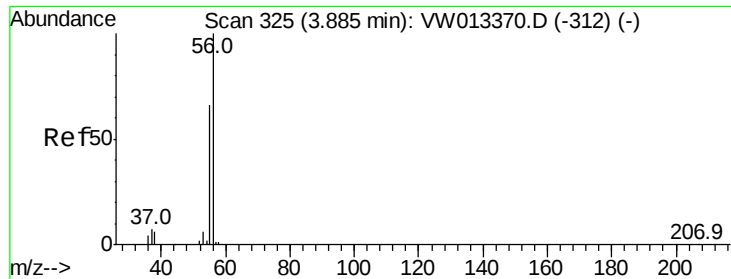


#12

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: 96 Resp: 342976
 Ion Ratio Lower Upper
 96 100
 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 :

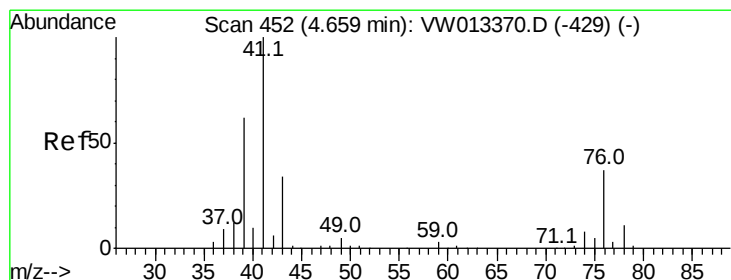
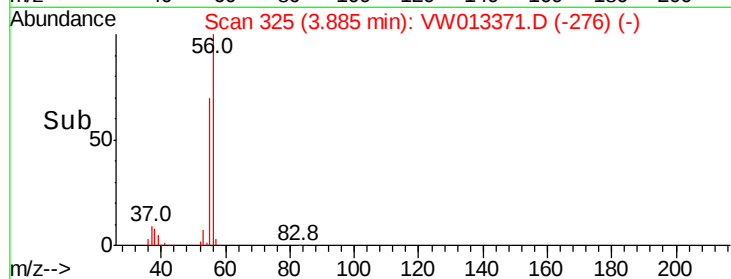
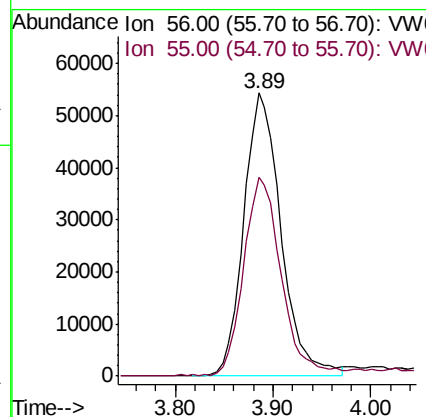
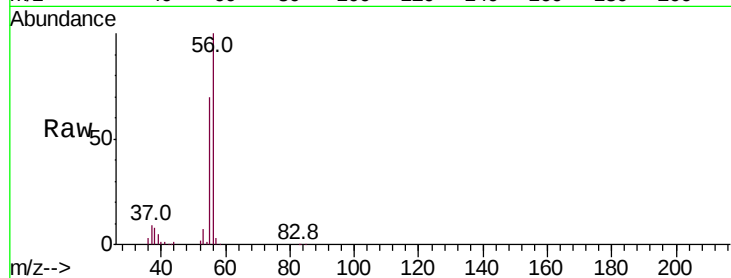
VSTDICC100

Tot Ion: 56 Resp: 142402

Ion Ratio Lower Upper

56 100

55 70.4 55.4 83.0



#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

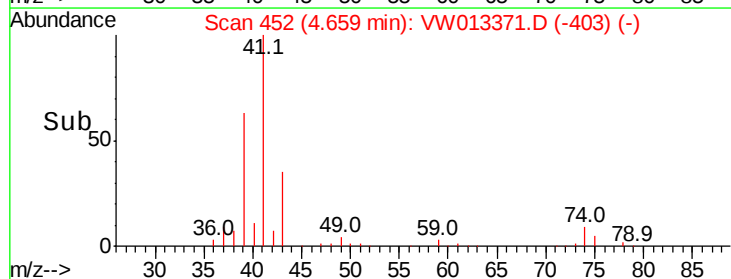
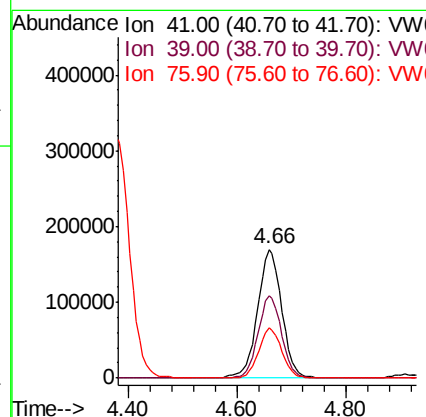
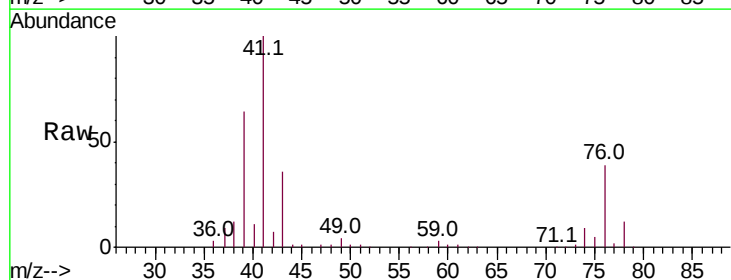
Tgt Ion: 41 Resp: 522928

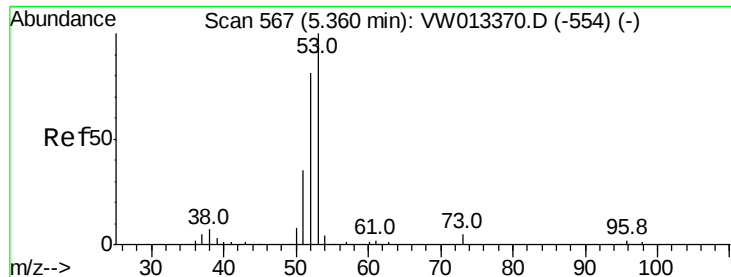
Ion Ratio Lower Upper

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

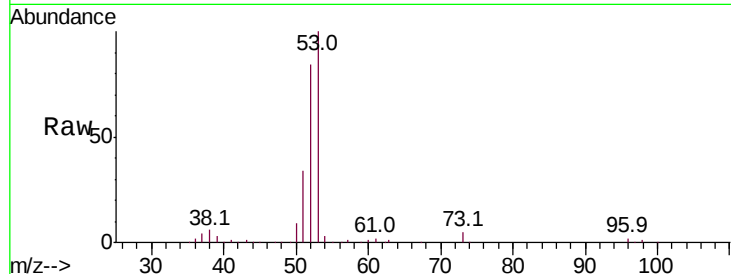
Tot Ion: 53 Resp: 376803

Ion Ratio Lower Upper

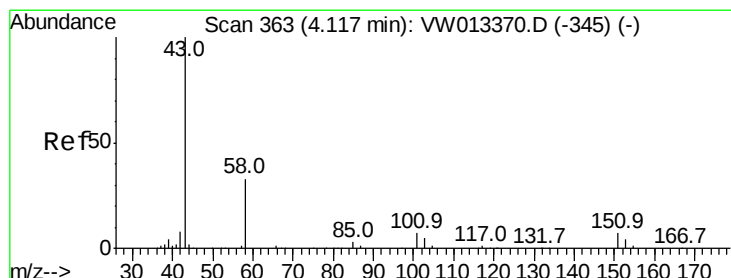
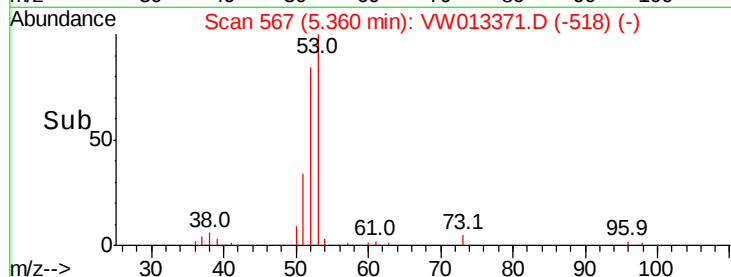
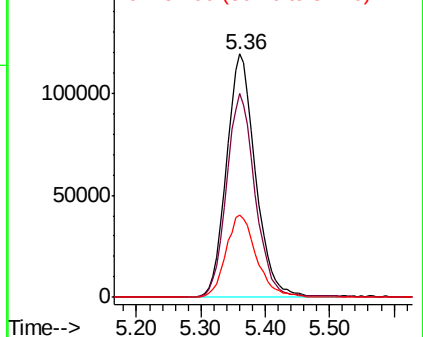
53 100

52 82.7 65.3 97.9

51 35.4 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 579.979 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013371.D

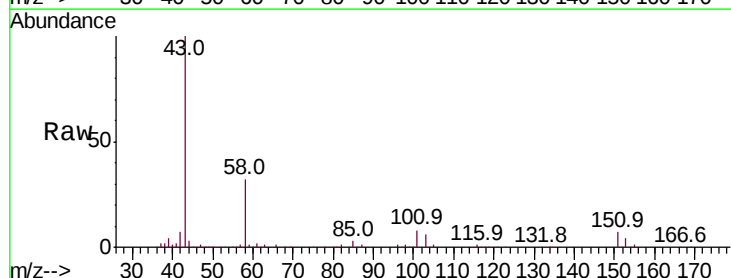
Acq: 01 Oct 2019 14:46

Tgt Ion: 43 Resp: 409434

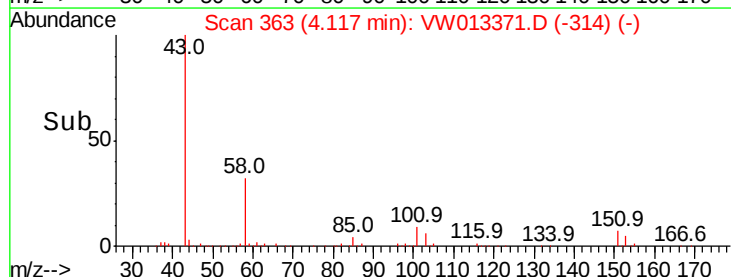
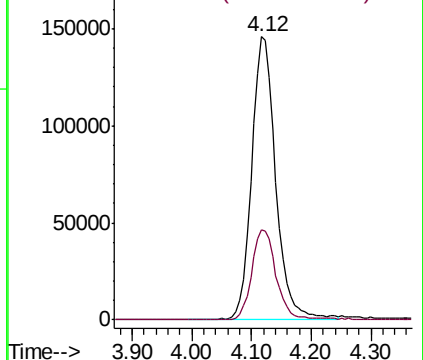
Ion Ratio Lower Upper

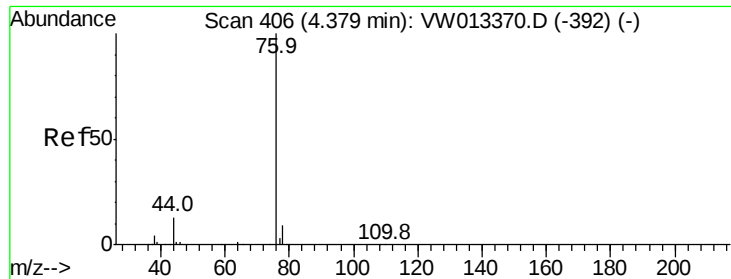
43 100

58 31.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#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 :

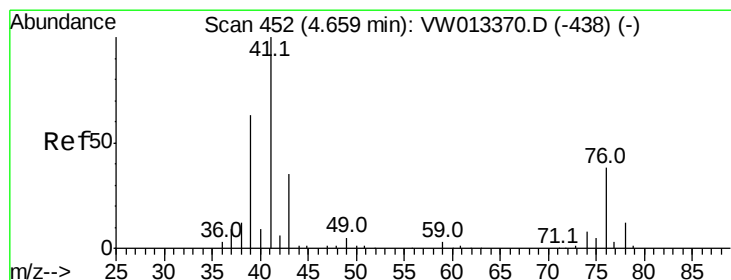
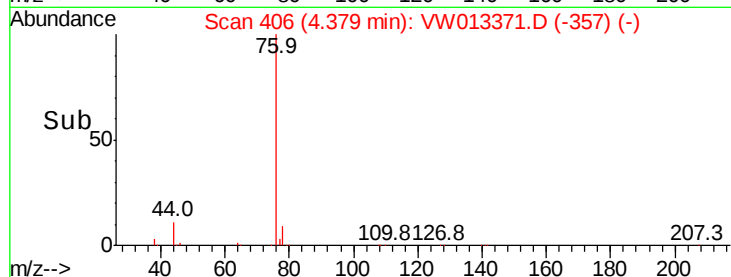
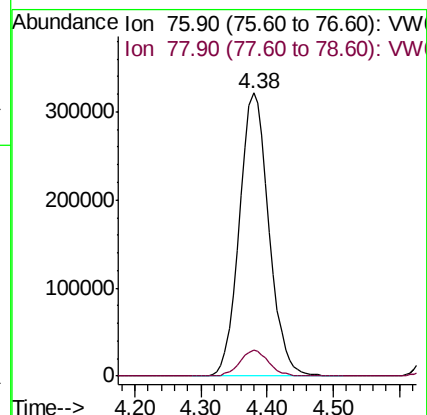
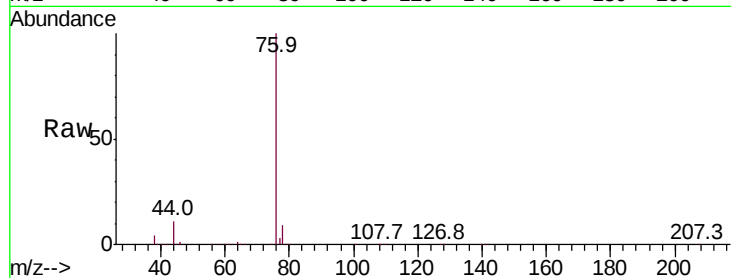
VSTDIC100

Tot Ion: 76 Resp: 994487

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



#18

Methyl Acetate

Concen: 93.599 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013371.D

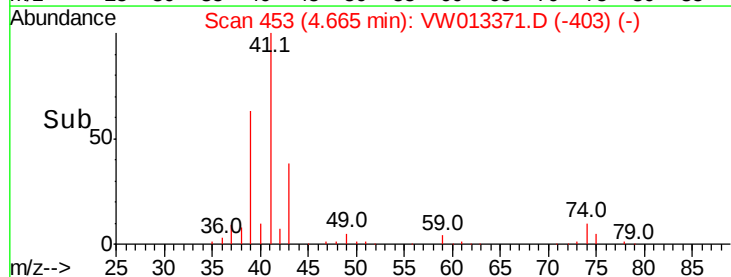
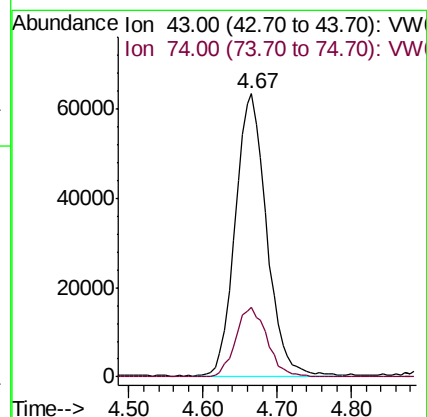
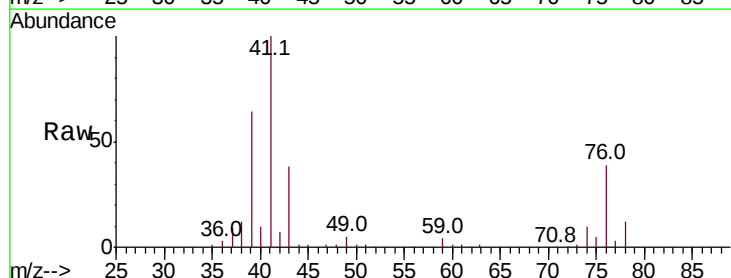
Acq: 01 Oct 2019 14:46

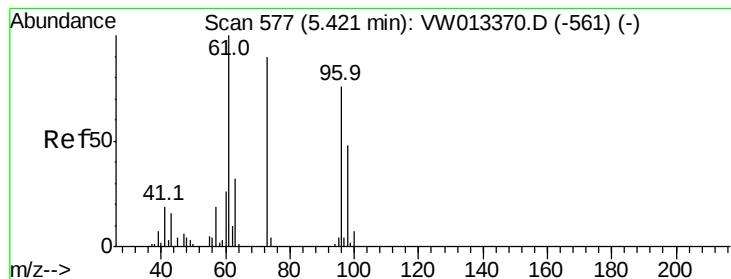
Tgt Ion: 43 Resp: 185739

Ion Ratio Lower Upper

43 100

74 24.9 19.3 28.9



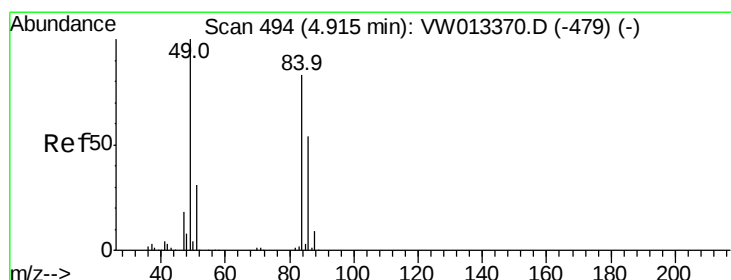
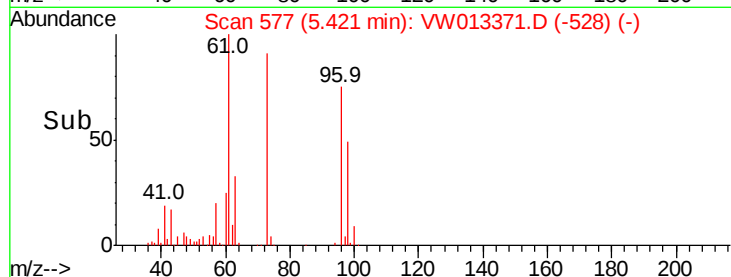
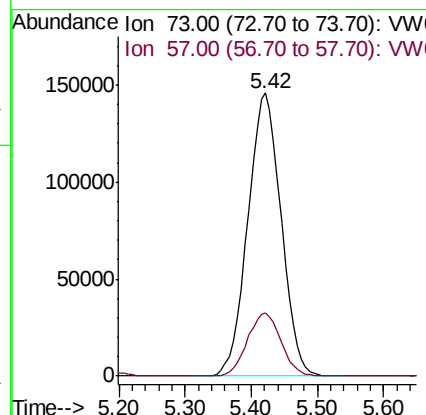
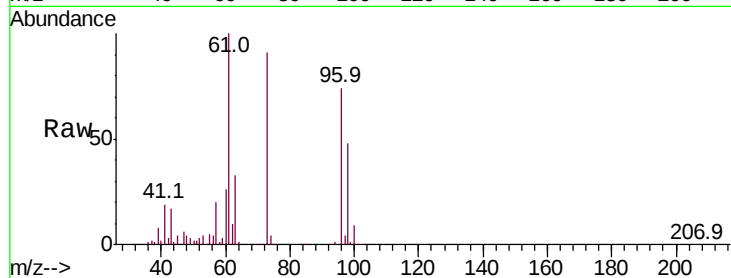


#19

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

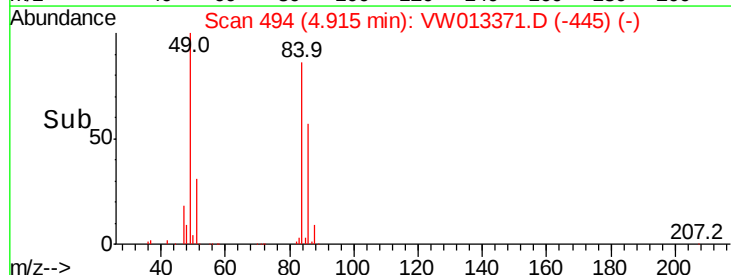
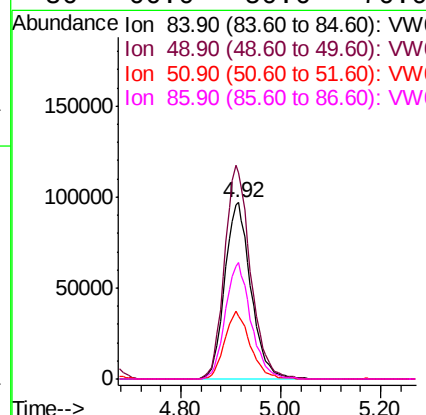
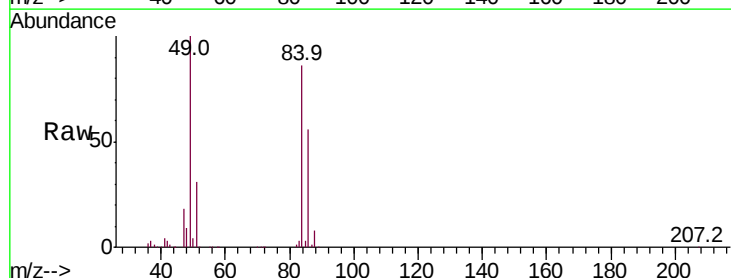
Tot Ion: 73 Resp: 508764
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.6 26.4

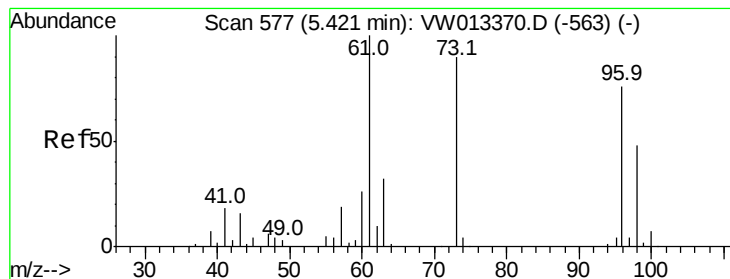


#20

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

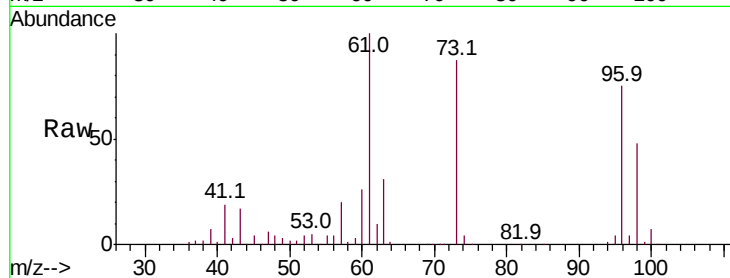
Tot Ion: 96 Resp: 370568

Ion Ratio Lower Upper

96 100

61 132.5 106.6 159.8

98 64.2 49.8 74.8

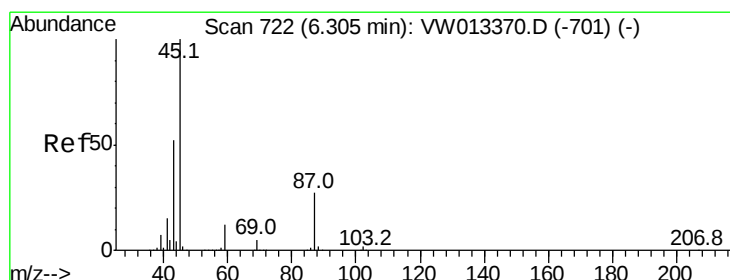
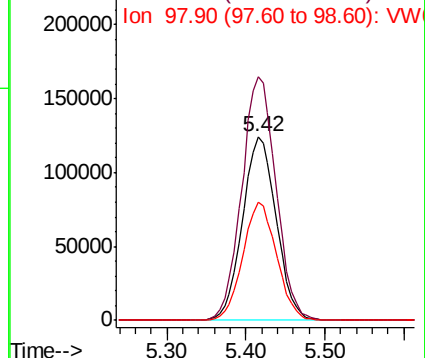
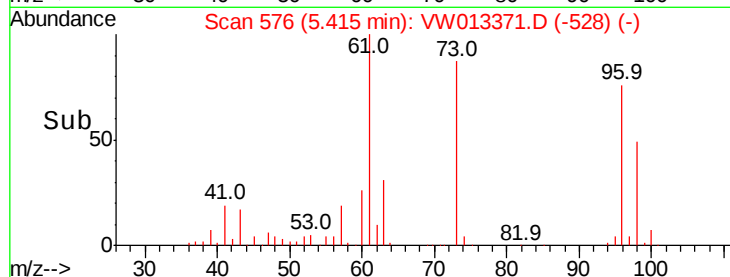


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#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

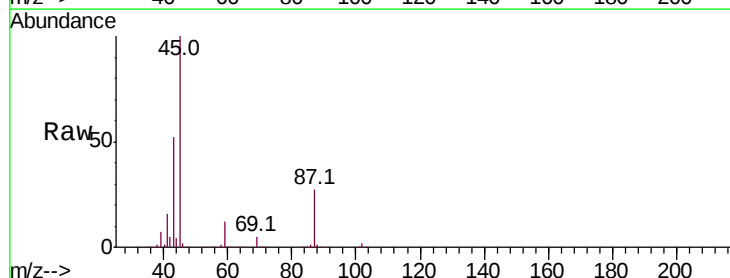
Ion Ratio Lower Upper

45 100

43 52.0 42.4 63.6

87 27.3 20.4 30.6

59 11.9 8.8 13.2



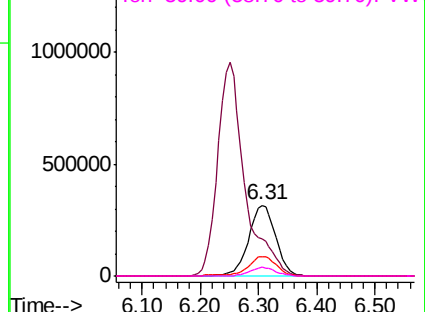
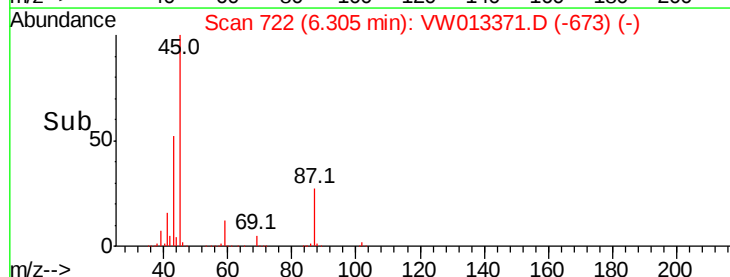
Abundance

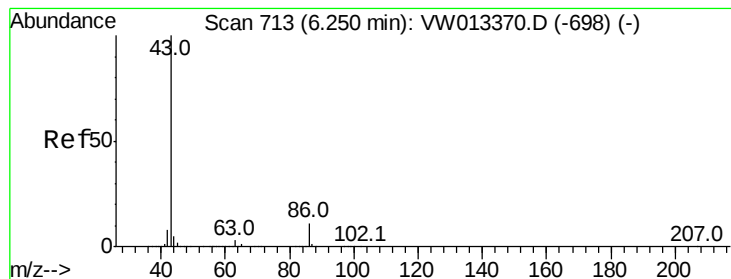
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#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 :

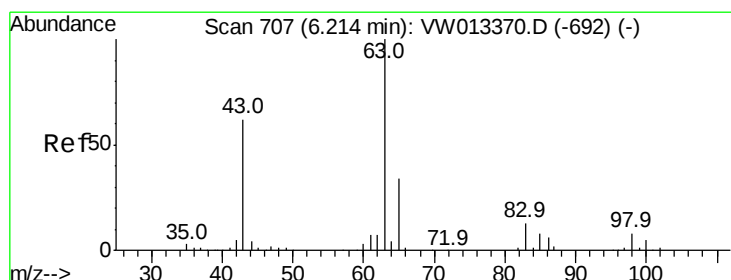
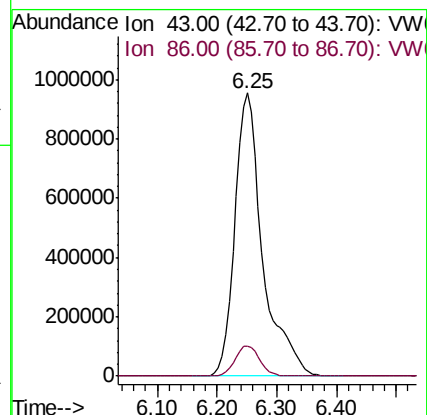
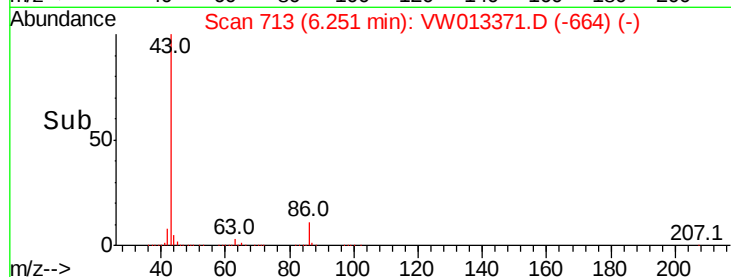
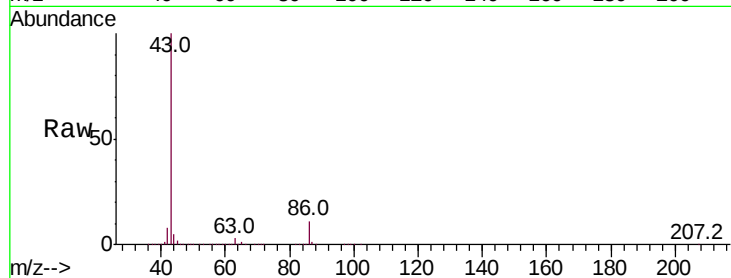
VSTDIC100

Tot Ion: 43 Resp: 3094857

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#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

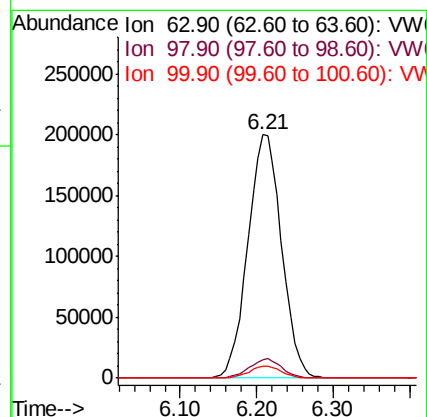
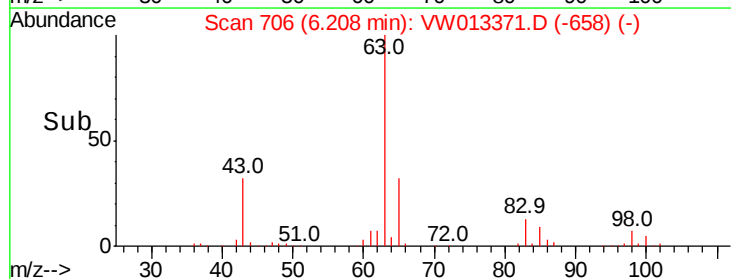
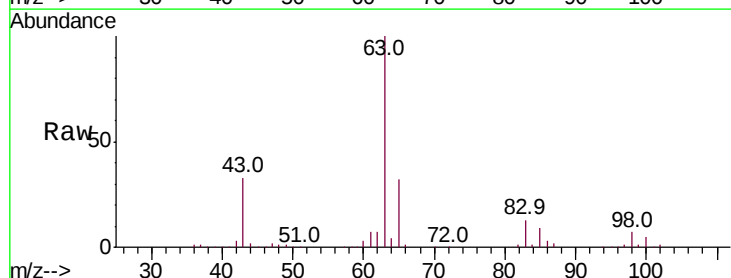
Tgt Ion: 63 Resp: 612520

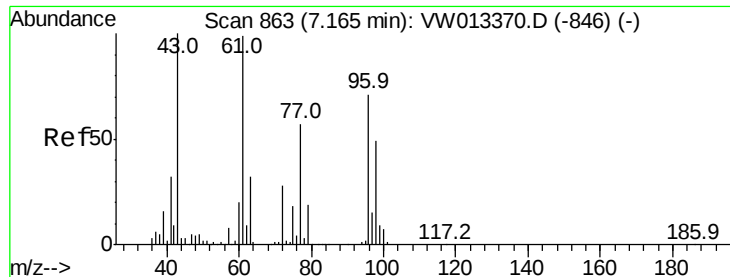
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 5.0 2.4 7.1

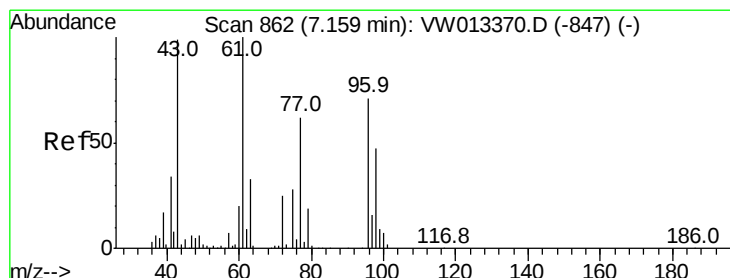
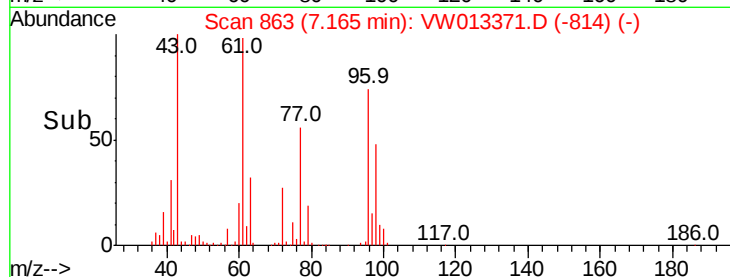
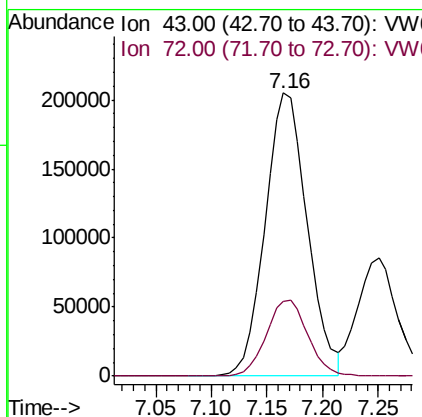
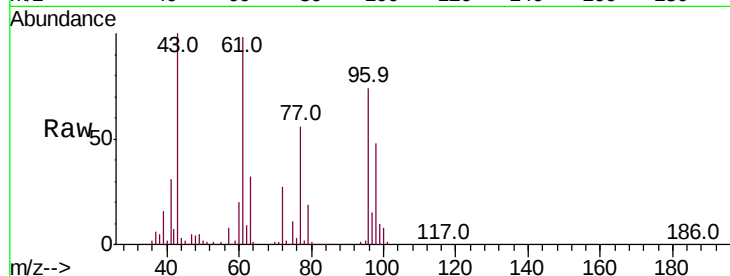




#25
2-Butanone
Concen: 507.697 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

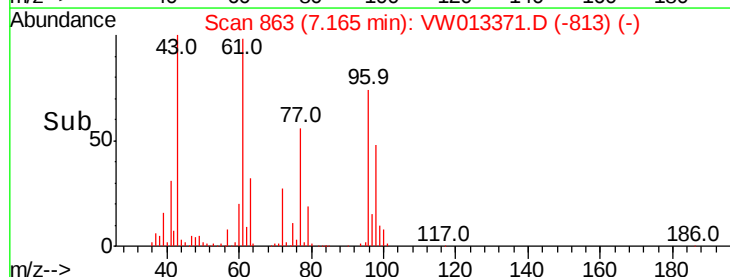
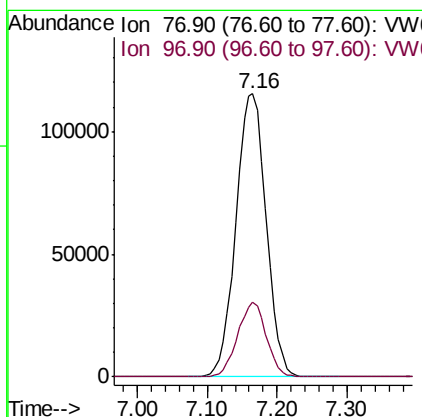
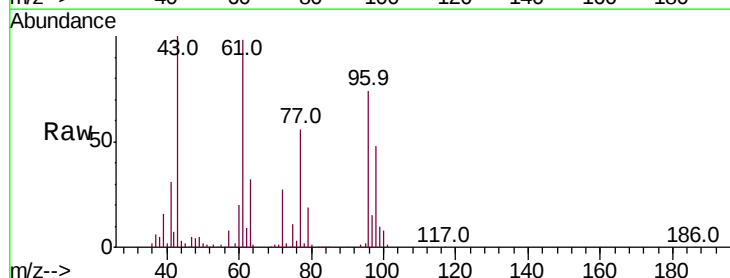
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

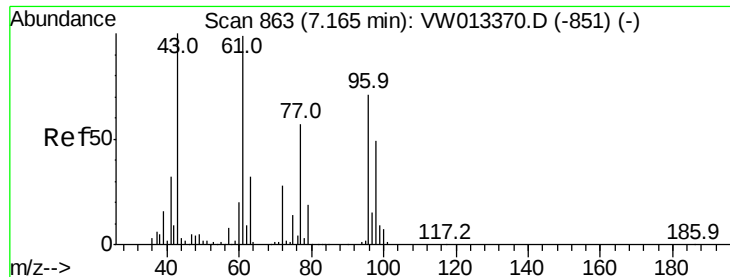
Tot Ion: 43 Resp: 538028
Ion Ratio Lower Upper
43 100
72 26.6 19.4 29.0



#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



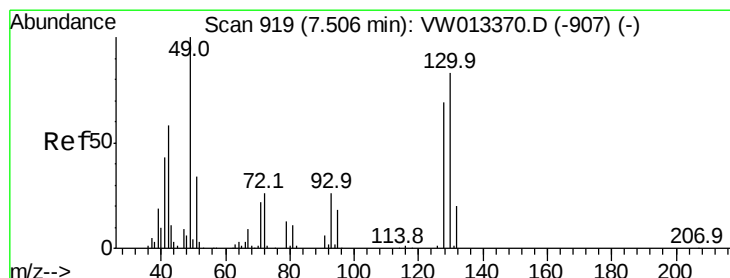
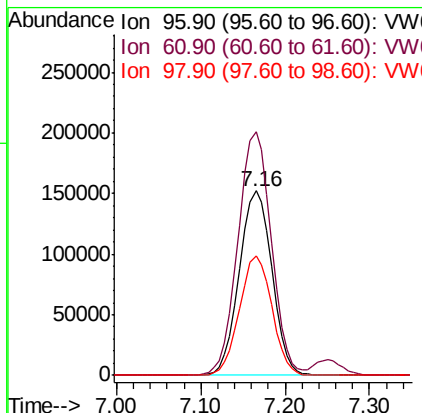
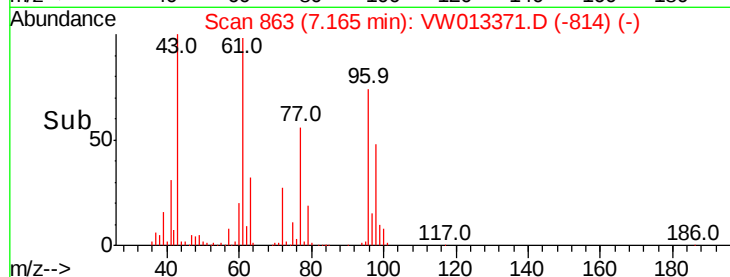
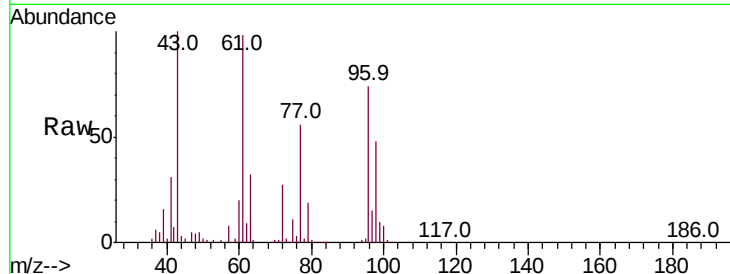


#27

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

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

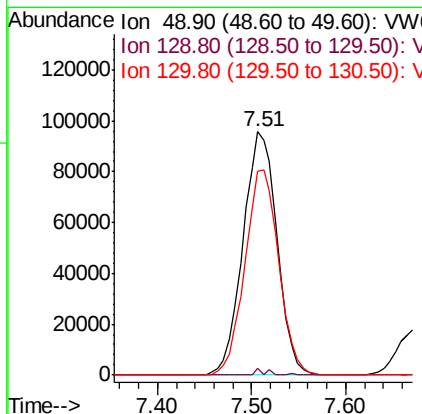
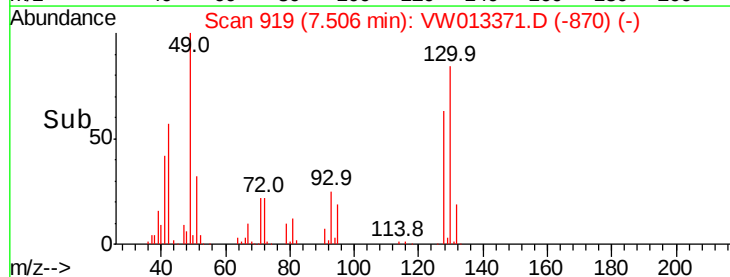
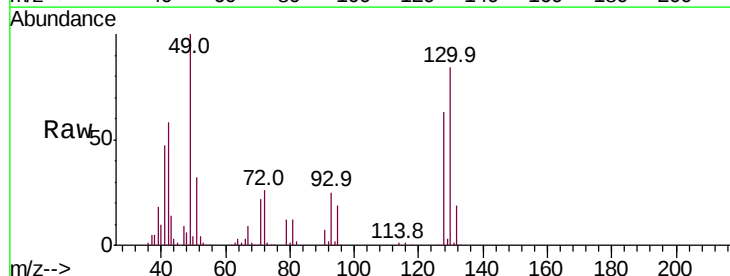
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	282.4
98	64.0	0.0	128.2

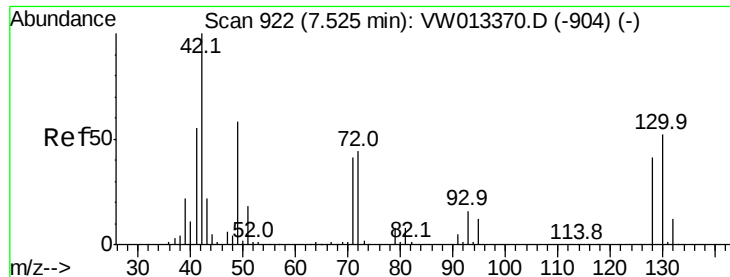


#28

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	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	83.9	63.4	95.2

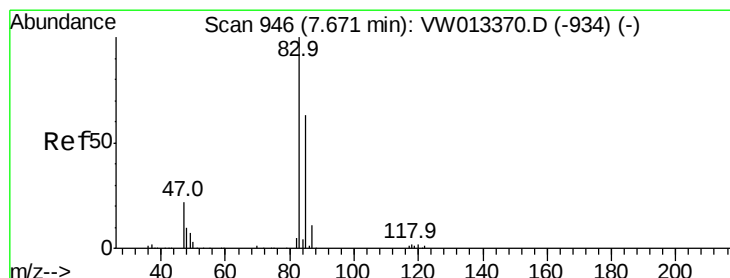
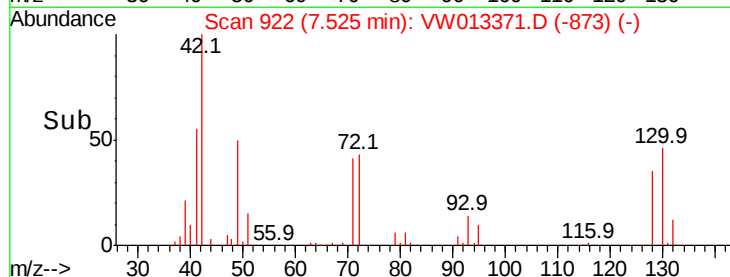
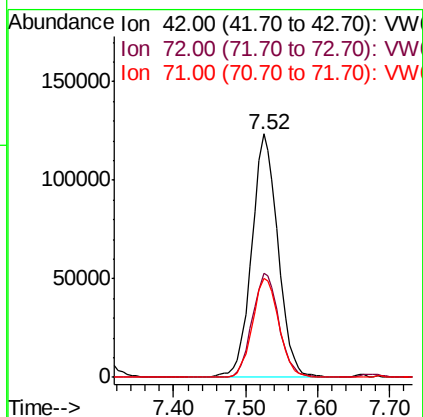
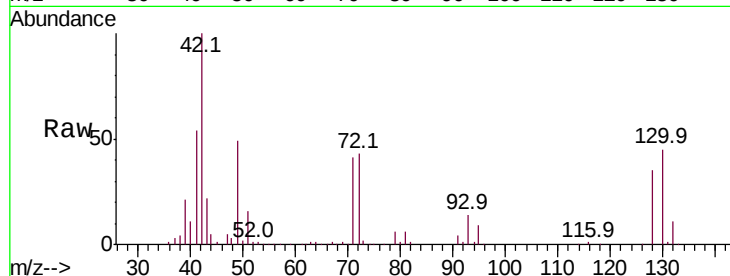




#29
Tetrahydrofuran
Concen: 480.715 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

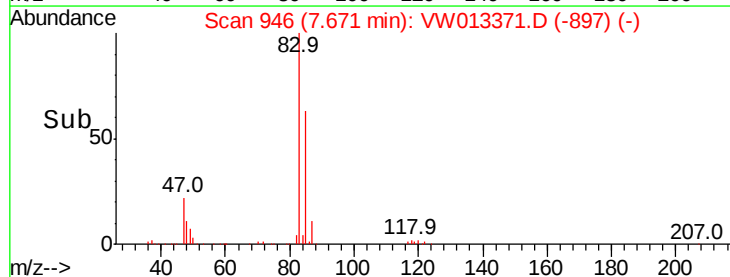
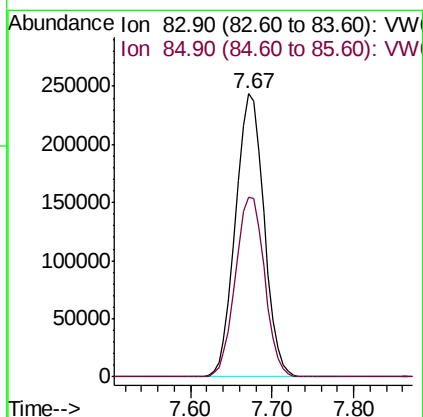
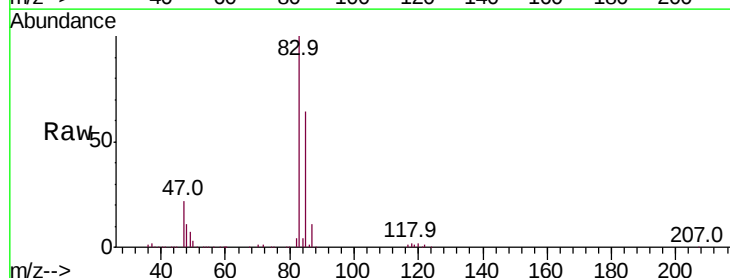
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

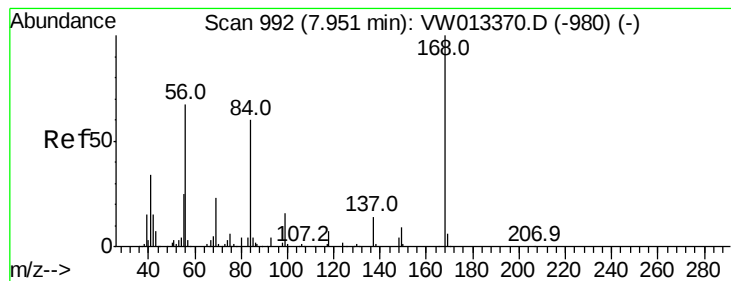
Tot Ion: 42 Resp: 312419
Ion Ratio Lower Upper
42 100
72 43.4 33.9 50.9
71 41.1 31.9 47.9



#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: 83 Resp: 589108
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

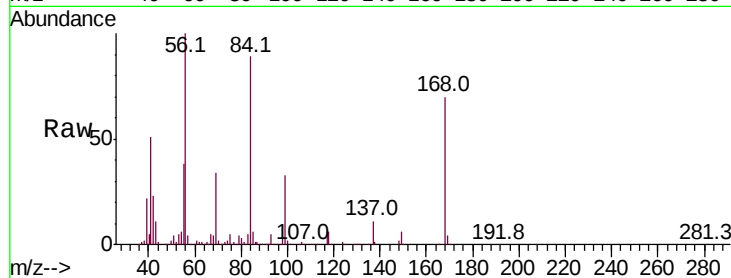
Tot Ion: 56 Resp: 617234

Ion Ratio Lower Upper

56 100

69 33.8 27.2 40.8

84 88.6 70.8 106.2

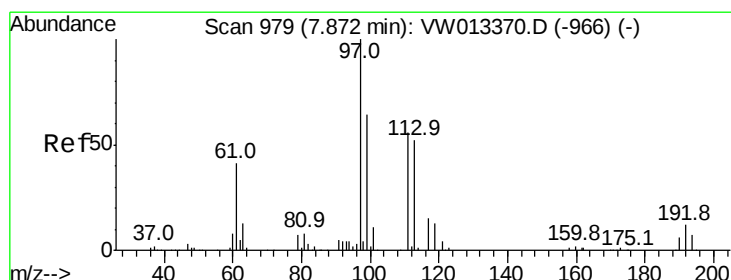
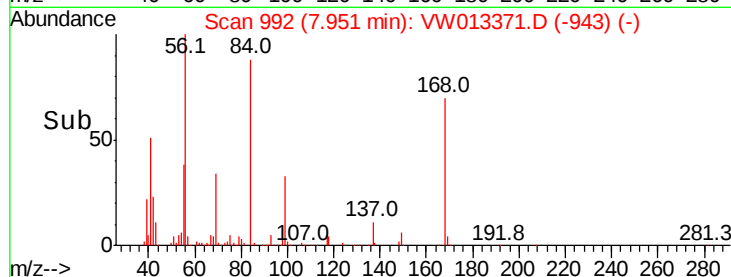
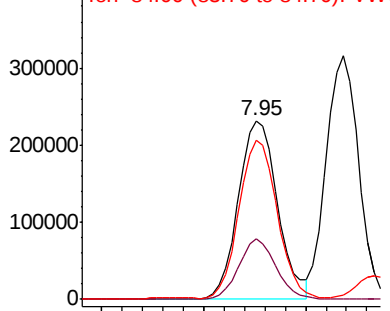


Abundance

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

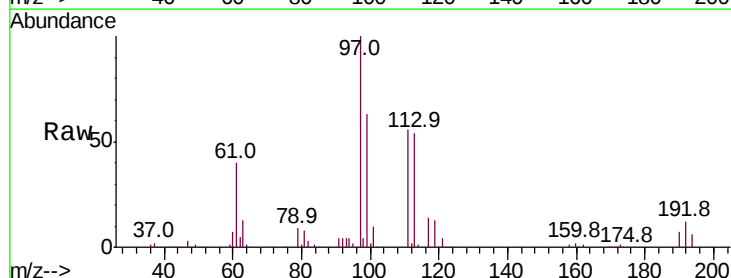
Tgt Ion: 97 Resp: 472348

Ion Ratio Lower Upper

97 100

99 63.6 51.7 77.5

61 41.5 34.6 51.8

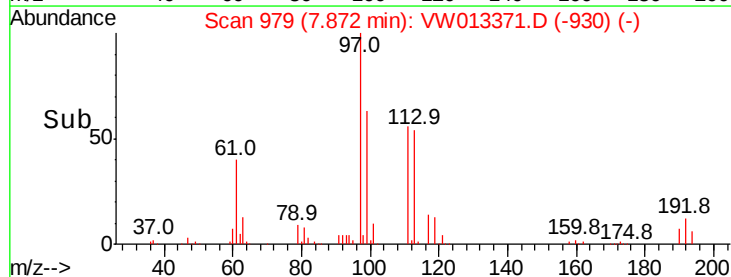
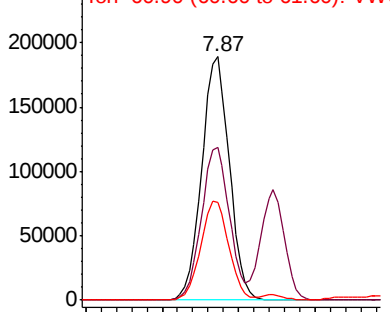


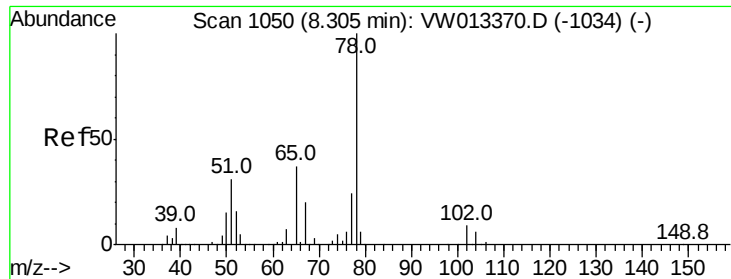
Abundance

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

Instrument :

MSVOA_W

ClientSampled :

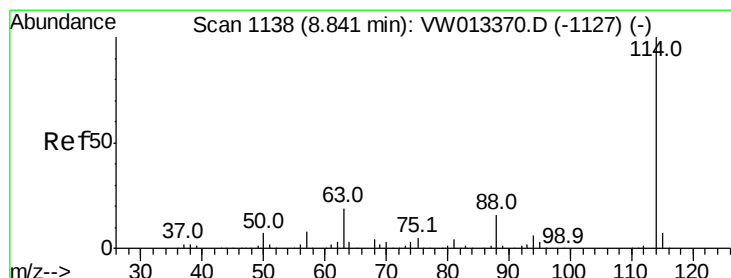
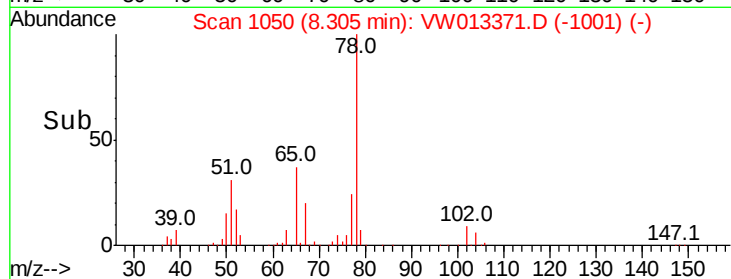
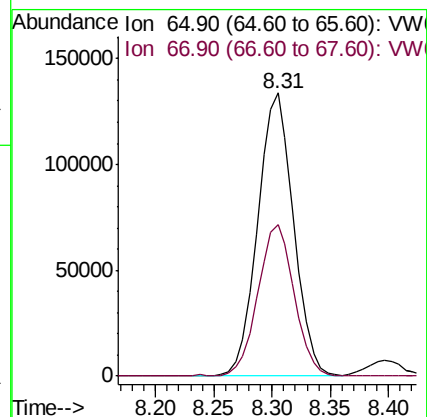
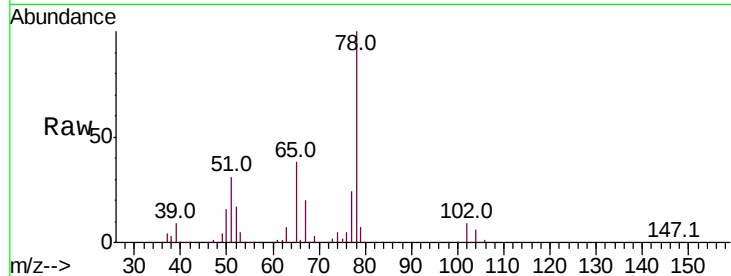
VSTDIC100

Tot Ion: 65 Resp: 286889

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.2



#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

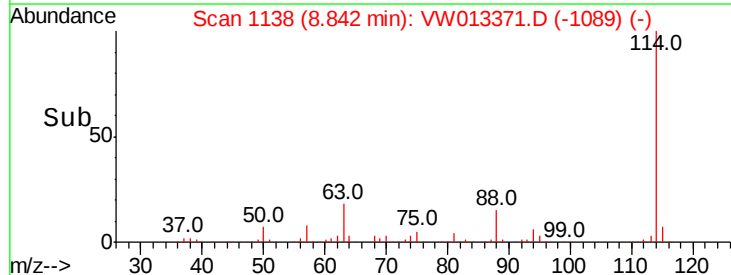
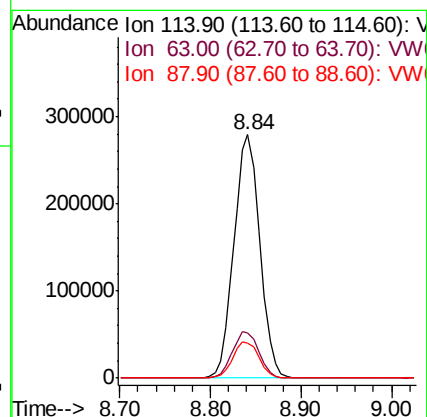
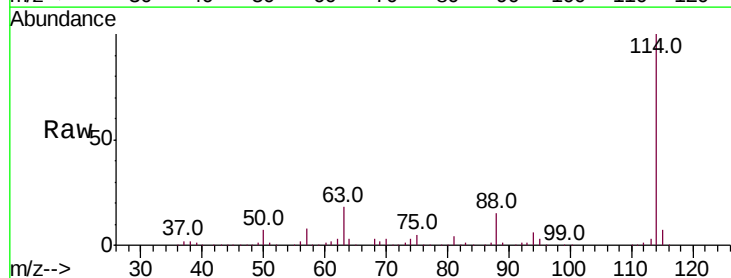
Tgt Ion: 114 Resp: 552441

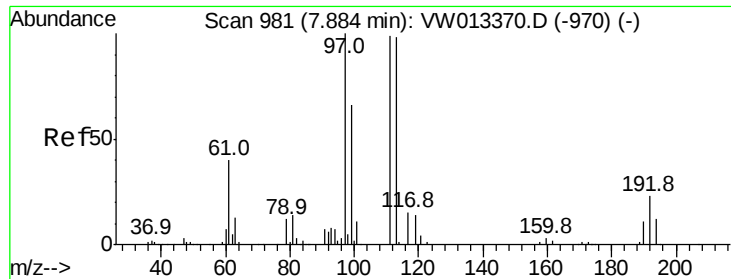
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.4

88 14.6 0.0 32.0





#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

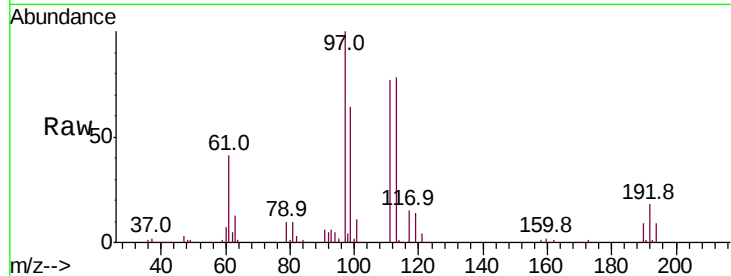
Tot Ion:113 Resp: 294532

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

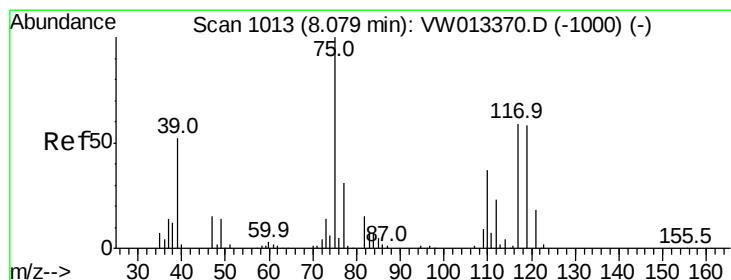
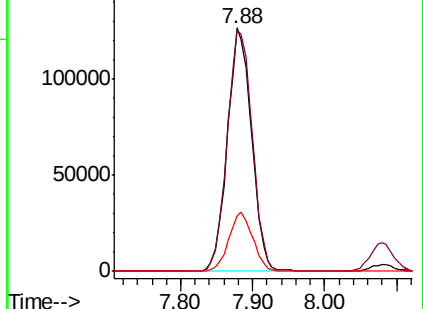
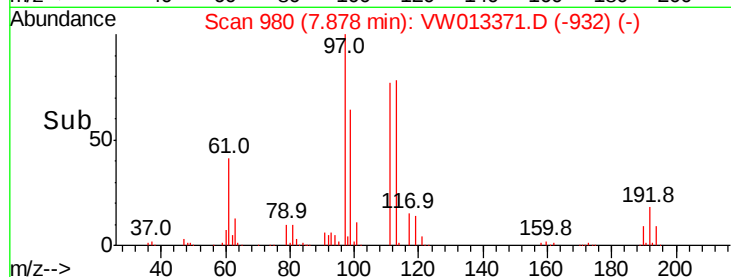
192 23.9 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#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

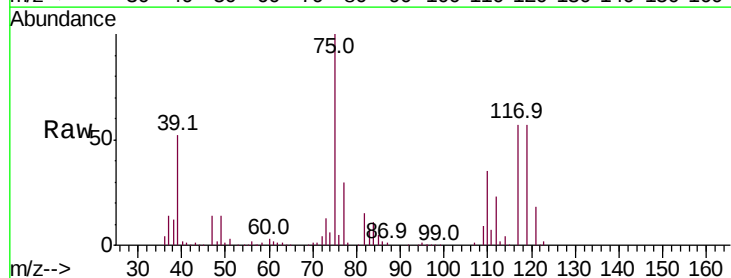
Tgt Ion: 75 Resp: 502152

Ion Ratio Lower Upper

75 100

110 36.3 18.1 54.3

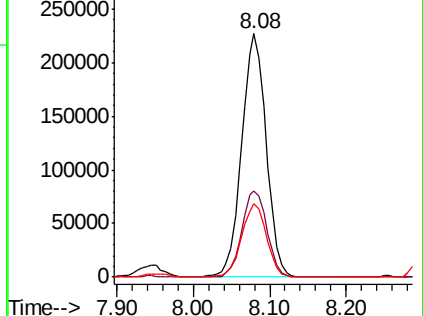
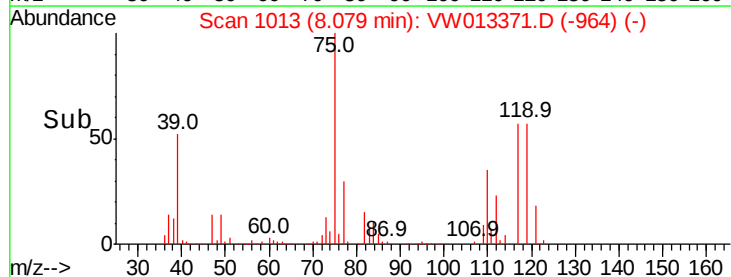
77 30.9 25.8 38.6

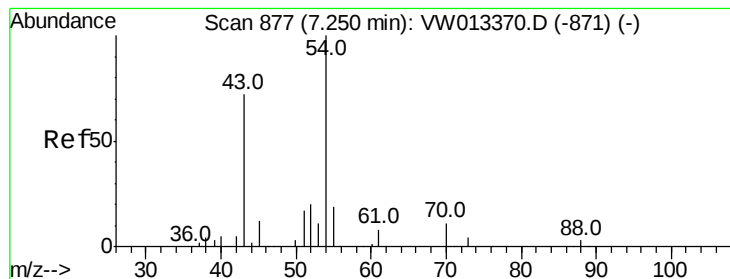


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#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

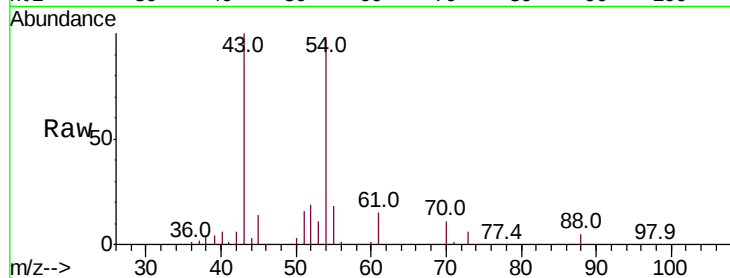
Tot Ion: 43 Resp: 215866

Ion Ratio Lower Upper

43 100

61 13.9 10.9 16.3

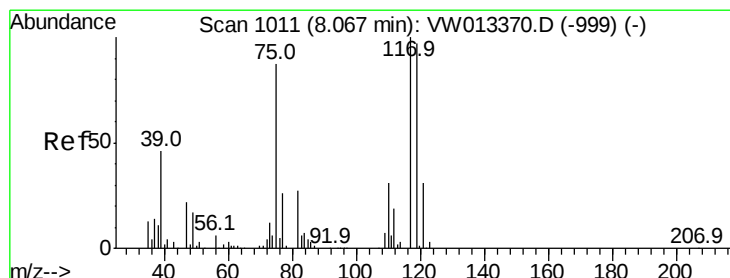
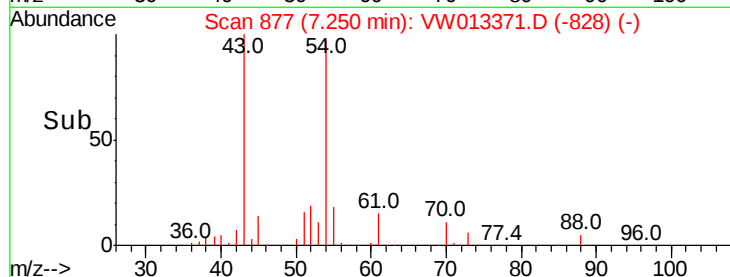
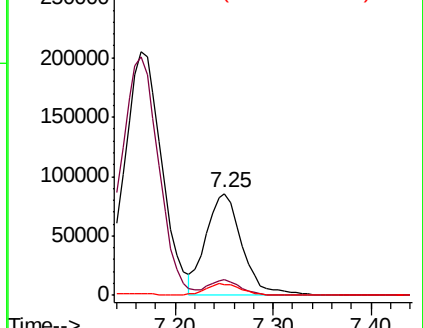
70 11.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#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

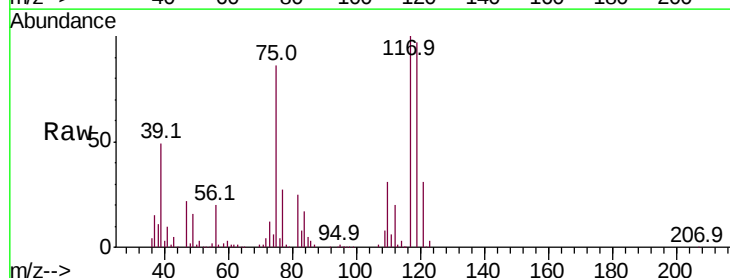
Tgt Ion: 117 Resp: 447338

Ion Ratio Lower Upper

117 100

119 97.2 73.5 110.3

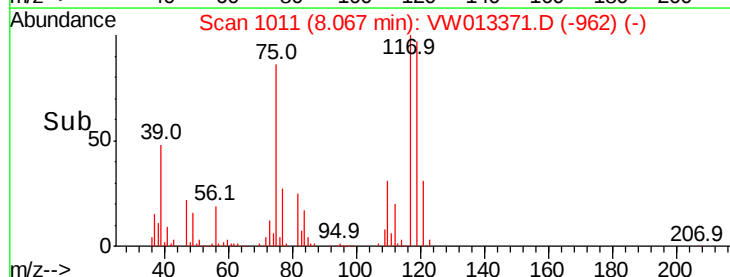
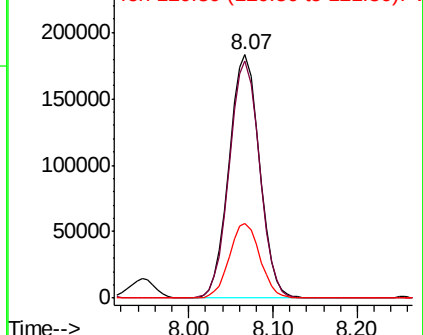
121 30.7 25.0 37.6

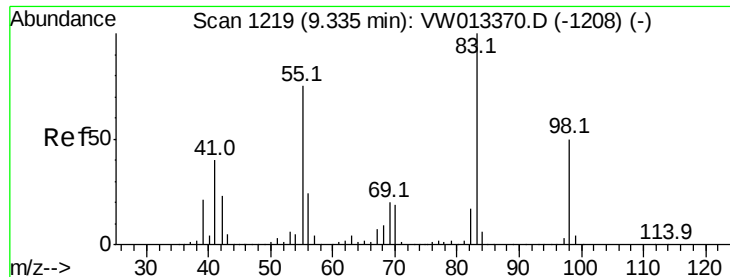


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

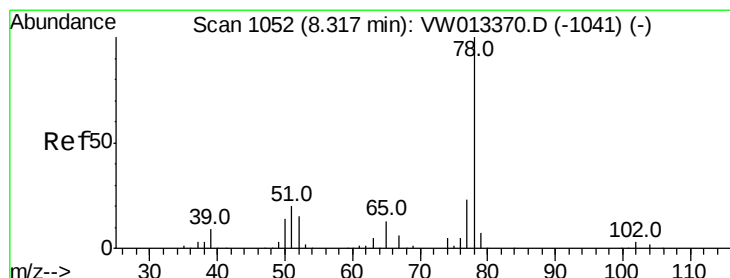
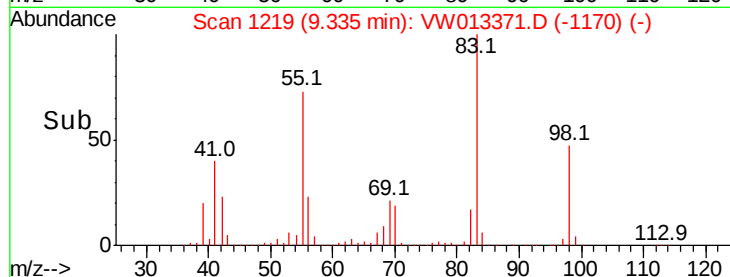
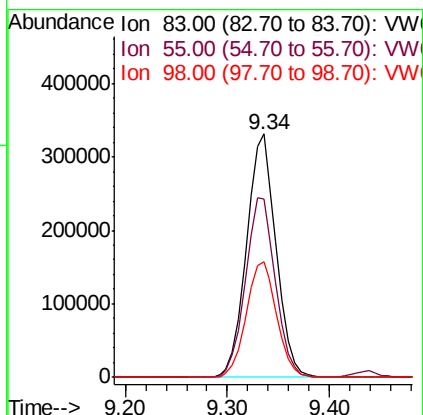
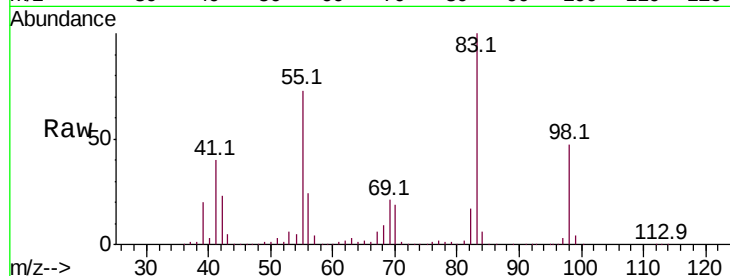




#39
Methvlcvclohexane
Concen: 96.821 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

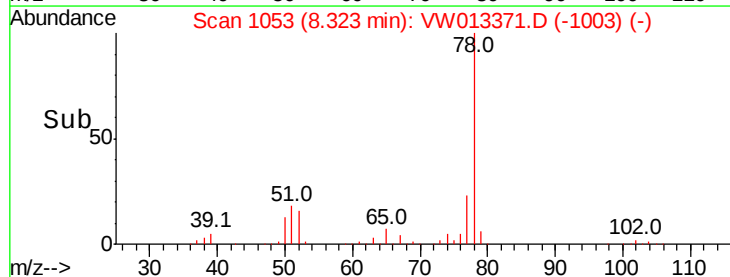
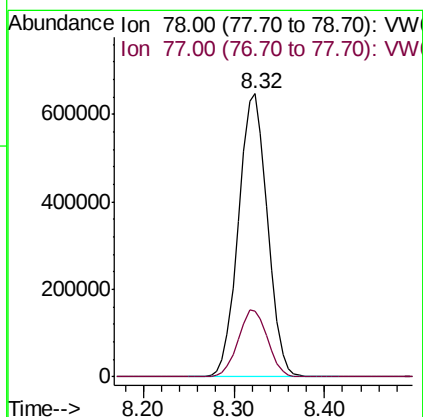
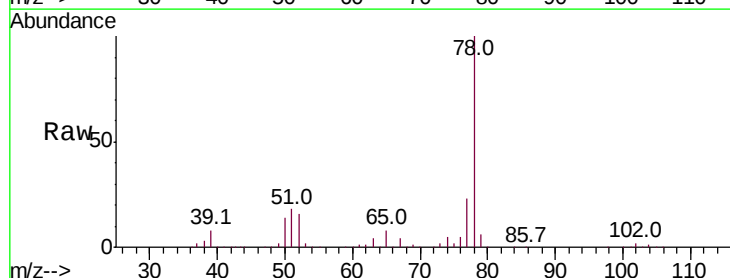
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

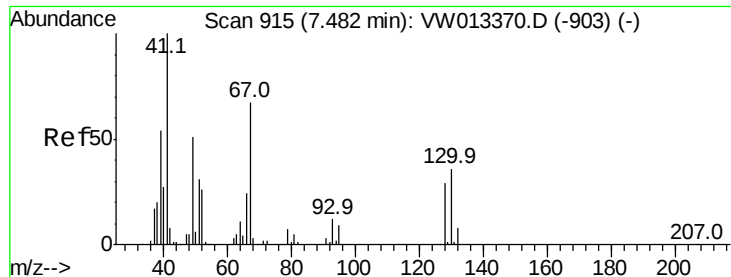
Tot Ion: 83 Resp: 665775
Ion Ratio Lower Upper
83 100
55 73.1 60.4 90.6
98 47.4 40.0 60.0



#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 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

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 135272

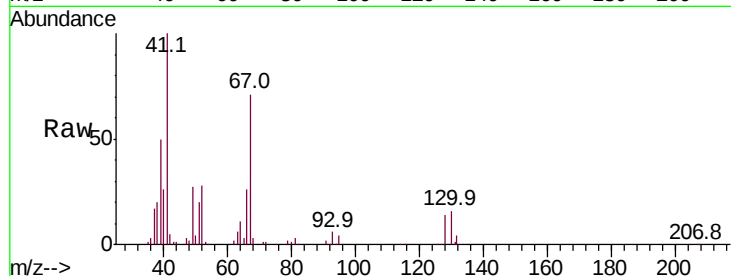
Ion Ratio Lower Upper

41 100

39 54.9 45.9 68.9

67 68.8 54.5 81.7

52 27.7 22.5 33.7



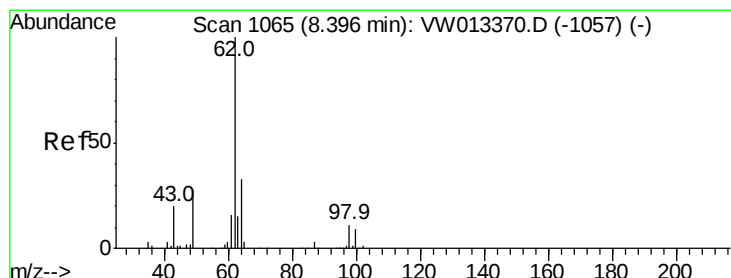
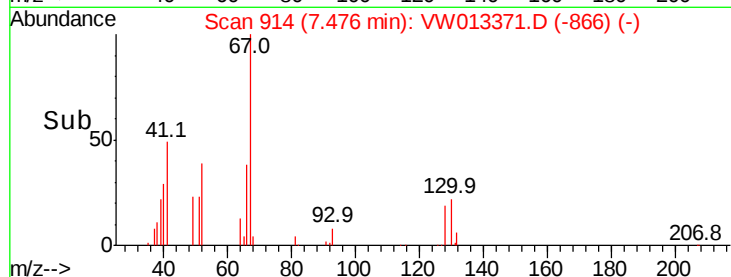
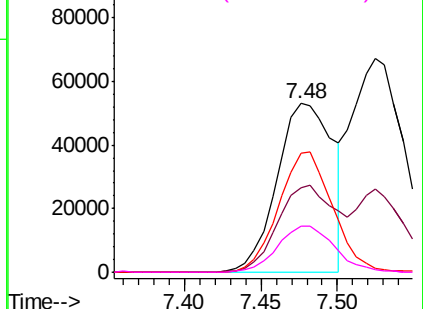
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 92.038 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013371.D

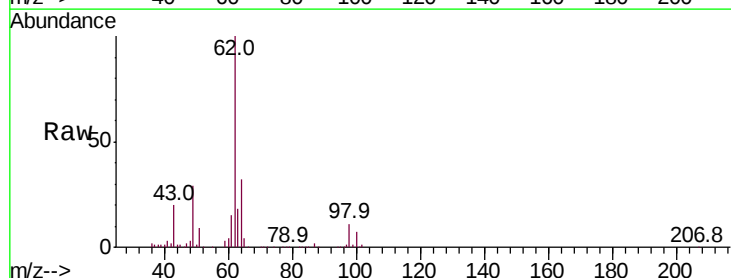
Acq: 01 Oct 2019 14:46

Tgt Ion: 62 Resp: 369267

Ion Ratio Lower Upper

62 100

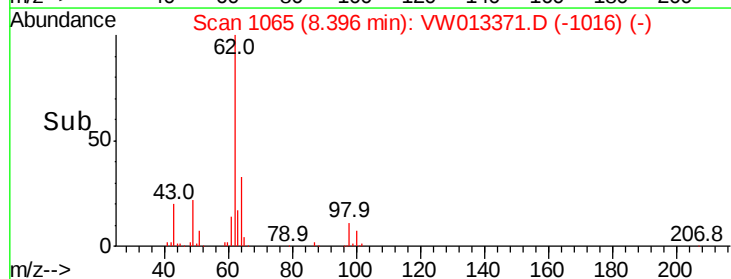
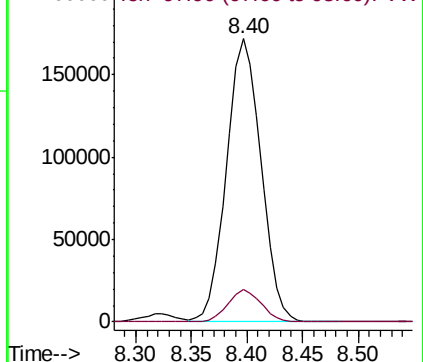
98 11.0 0.0 20.6

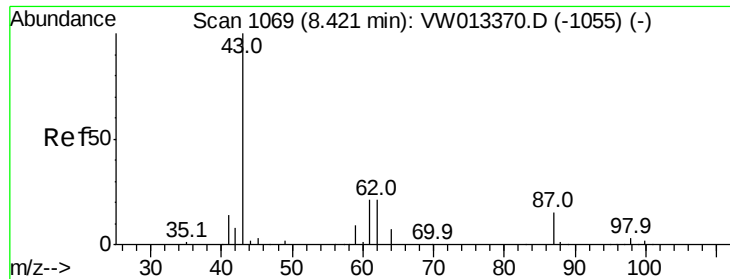


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#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

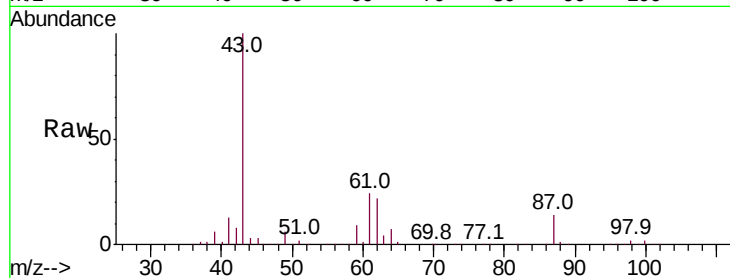
Tot Ion: 43 Resp: 416649

Ion Ratio Lower Upper

43 100

61 31.1 25.5 38.3

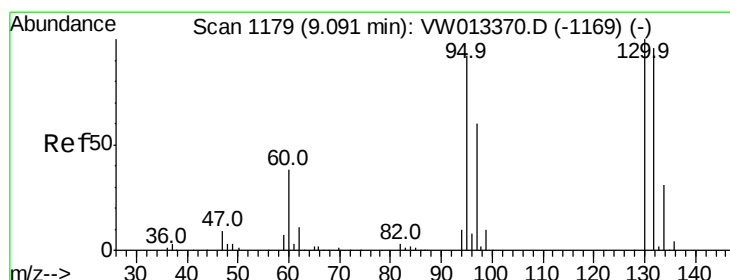
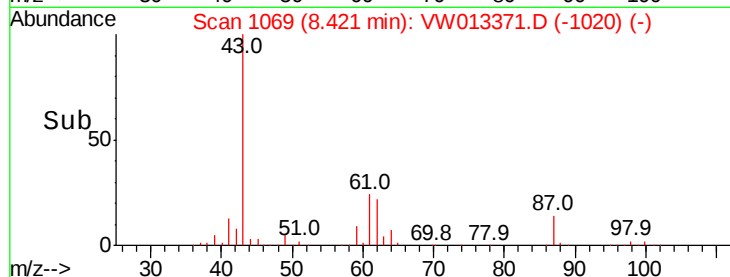
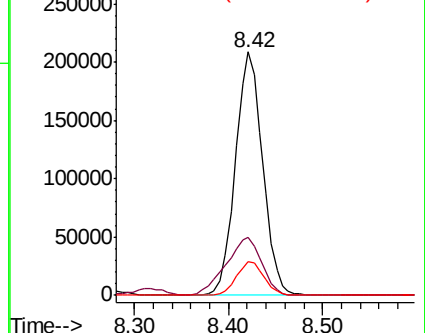
87 14.0 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 97.414 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013371.D

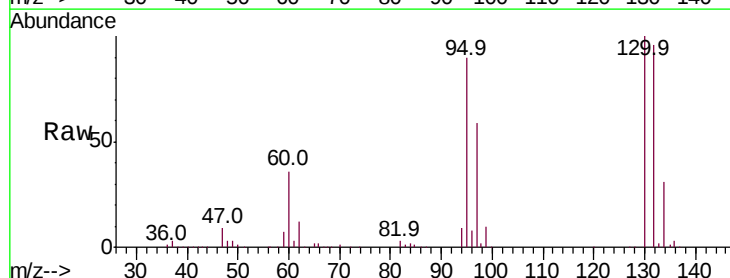
Acq: 01 Oct 2019 14:46

Tgt Ion: 130 Resp: 407919

Ion Ratio Lower Upper

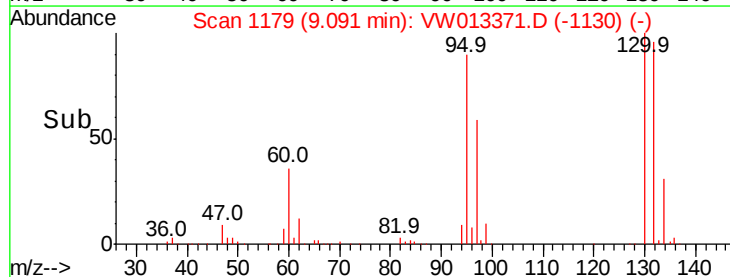
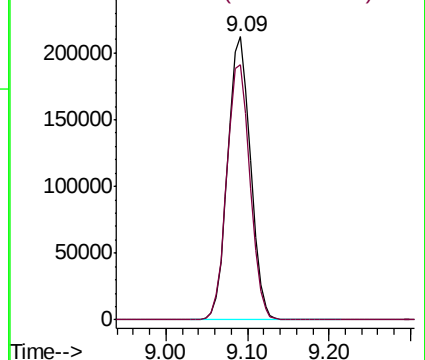
130 100

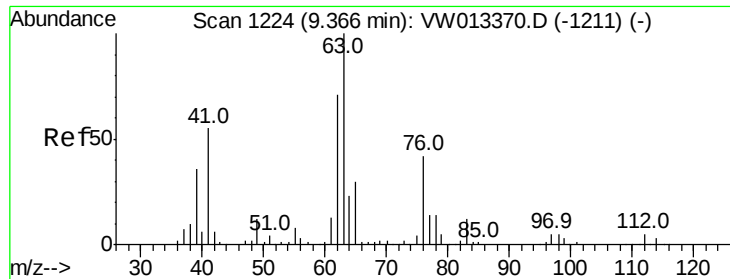
95 90.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#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 :

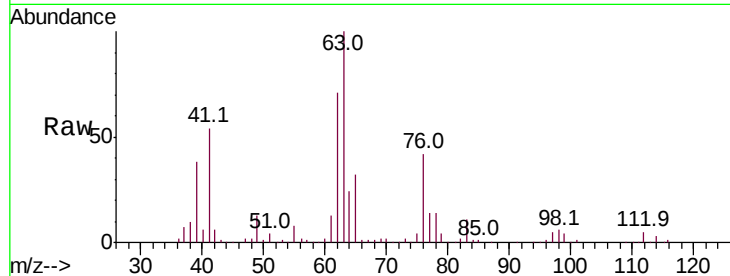
VSTDIC100

Tot Ion: 63 Resp: 353203

Ion Ratio Lower Upper

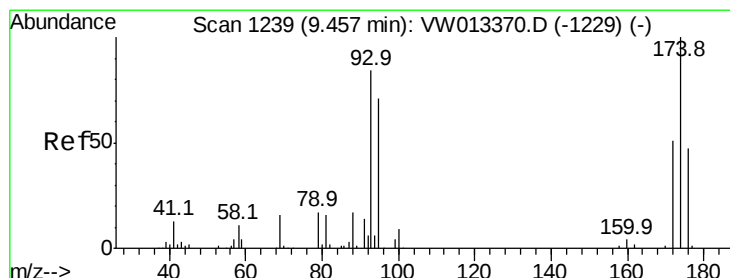
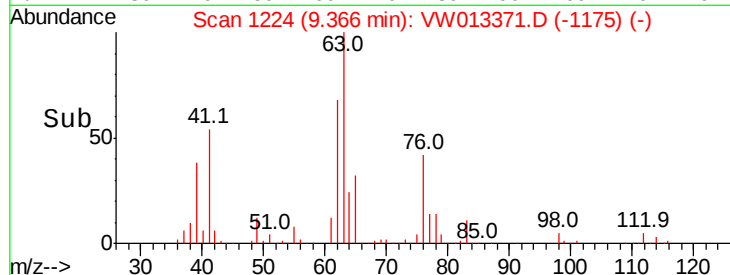
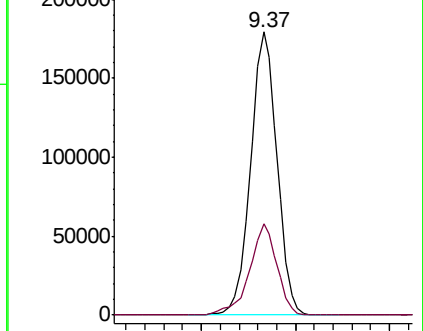
63 100

65 32.3 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#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

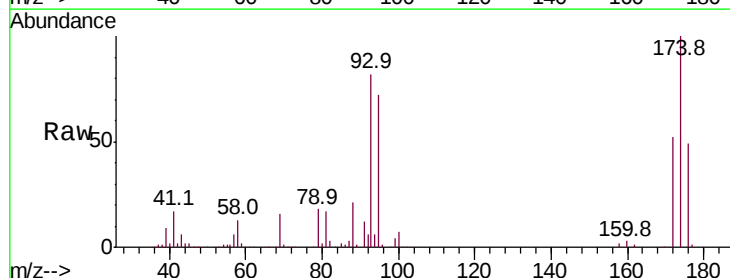
Tgt Ion: 93 Resp: 171227

Ion Ratio Lower Upper

93 100

95 84.9 66.4 99.6

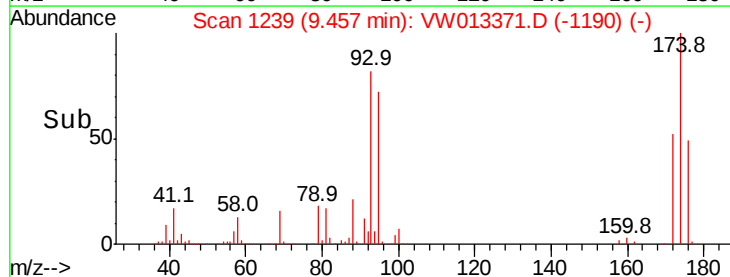
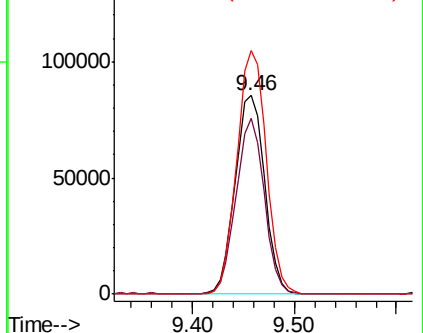
174 122.2 93.0 139.6

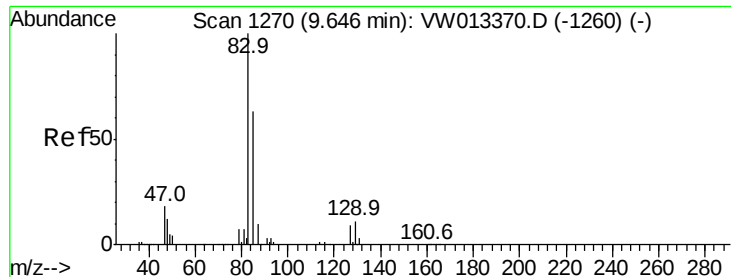


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#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

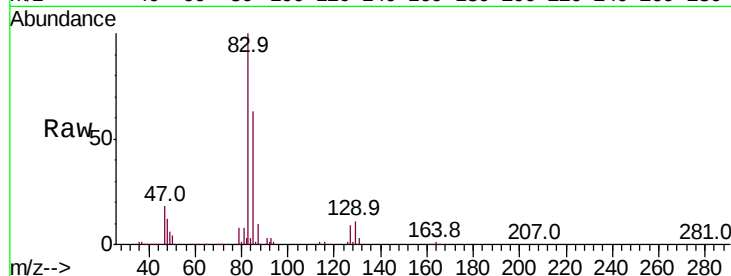
Tot Ion: 83 Resp: 443661

Ion Ratio Lower Upper

83 100

85 62.7 49.4 74.2

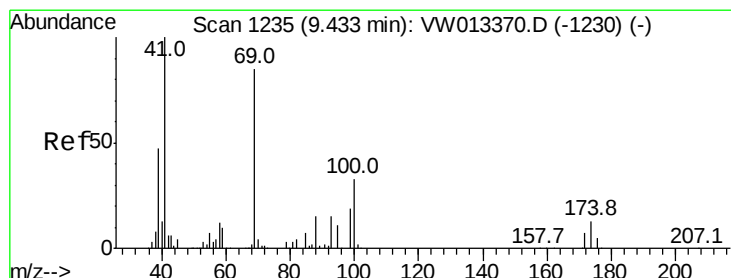
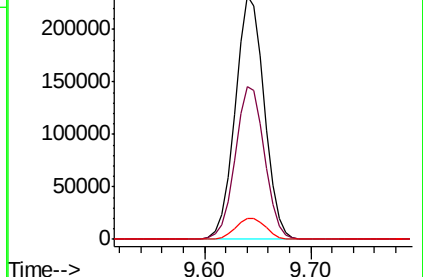
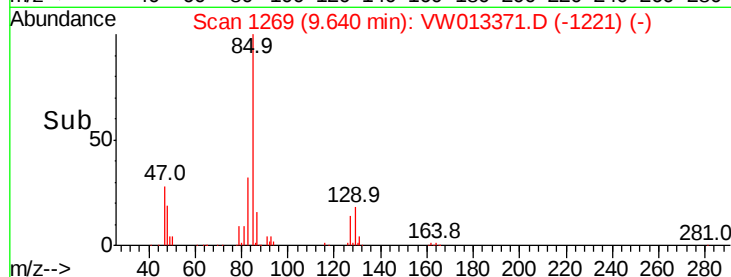
127 8.8 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#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

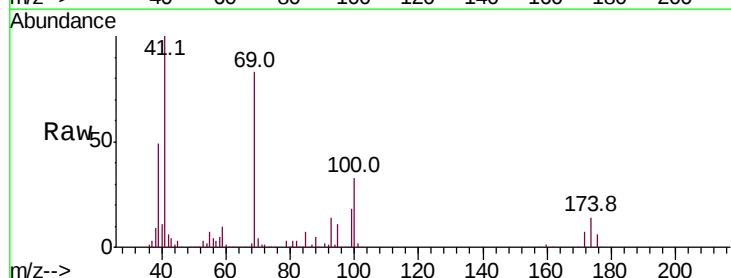
Tgt Ion: 41 Resp: 212962

Ion Ratio Lower Upper

41 100

69 84.0 69.7 104.5

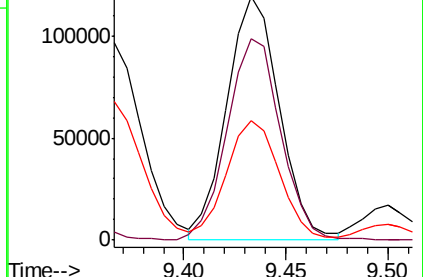
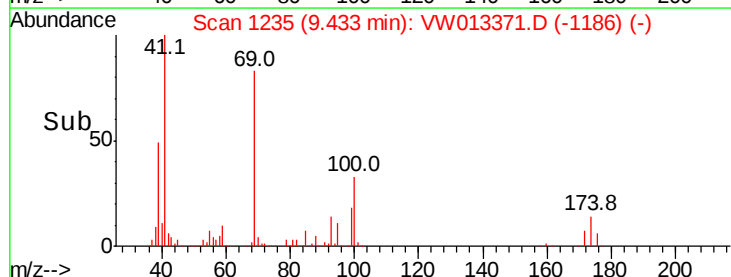
39 47.4 41.1 61.7

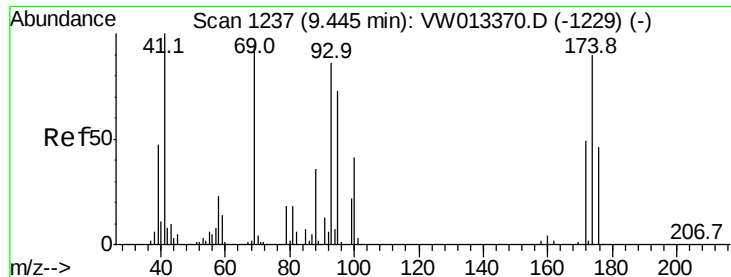


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#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

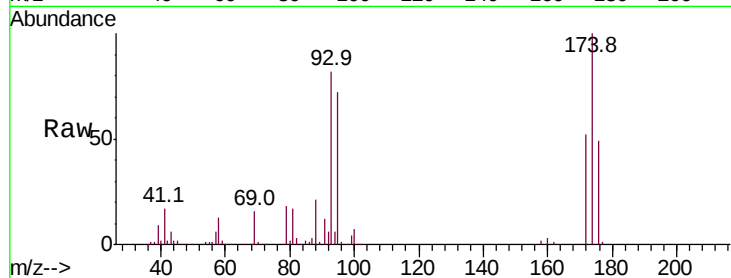
Tot Ion: 88 Resp: 49261

Ion Ratio Lower Upper

88 100

43 24.0 0.0 0.0#

58 72.4 65.4 98.0

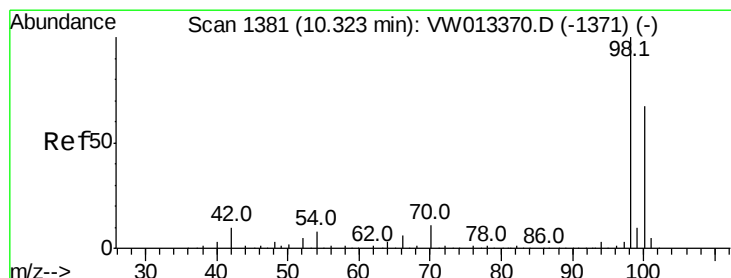
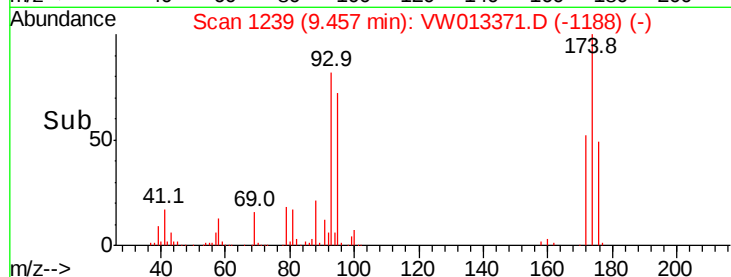
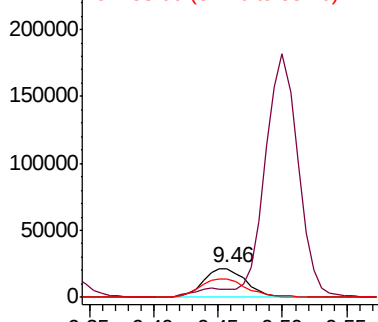


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 96.195 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013371.D

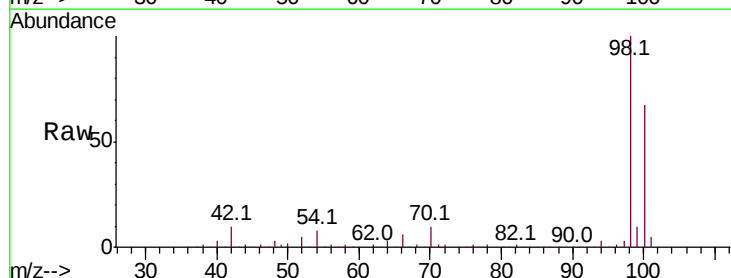
Acq: 01 Oct 2019 14:46

Tgt Ion: 98 Resp: 1223229

Ion Ratio Lower Upper

98 100

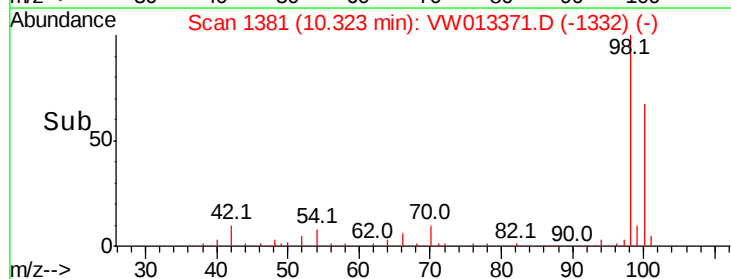
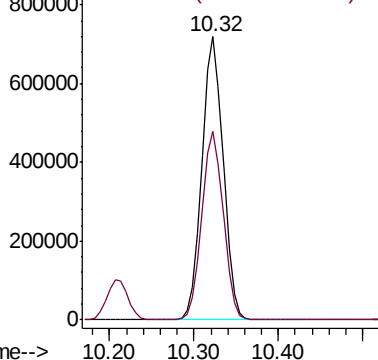
100 67.1 52.9 79.3

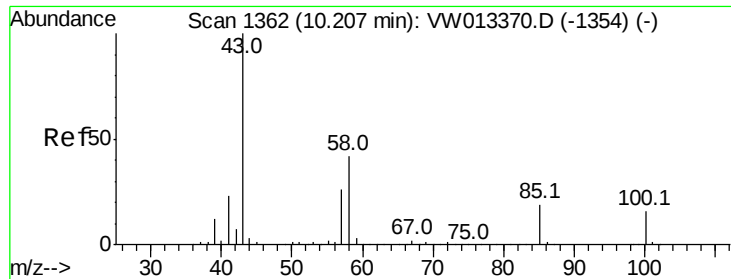


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#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

ClientSampled :

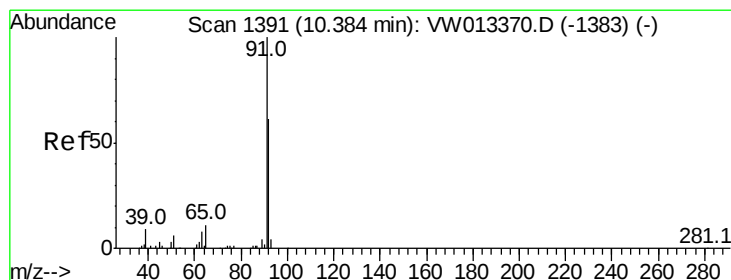
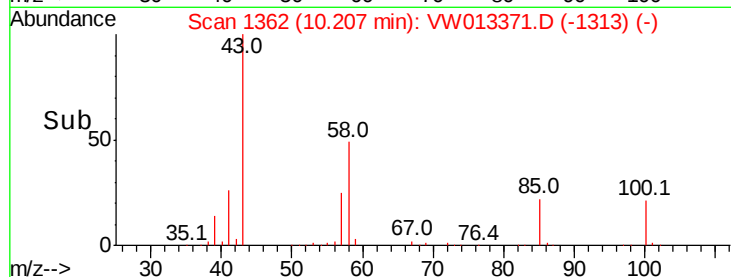
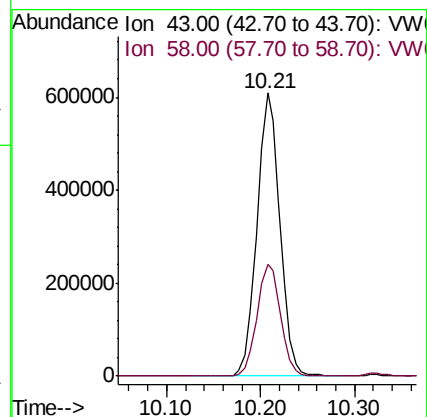
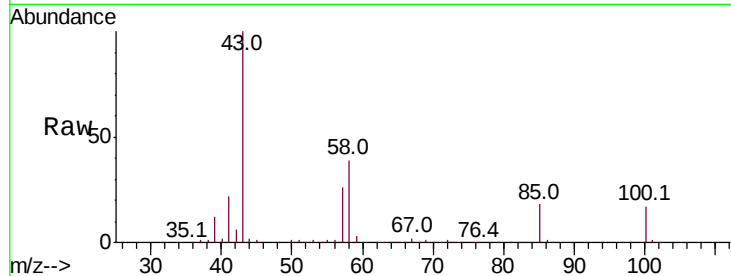
VSTDIC100

Tot Ion: 43 Resp: 1045071

Ion Ratio Lower Upper

43 100

58 40.7 31.7 47.5



#52

Toluene

Concen: 97.715 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013371.D

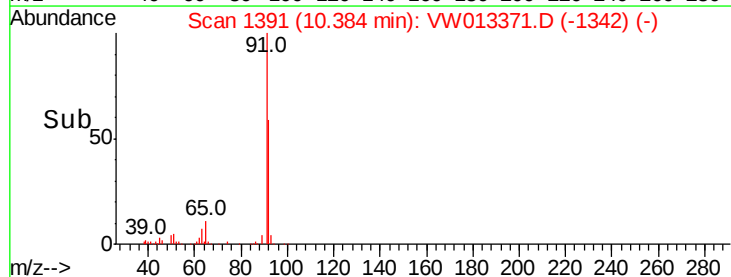
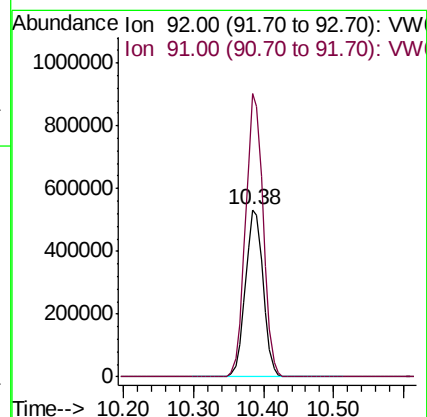
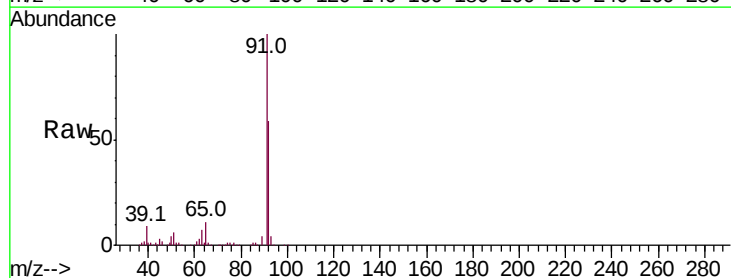
Acq: 01 Oct 2019 14:46

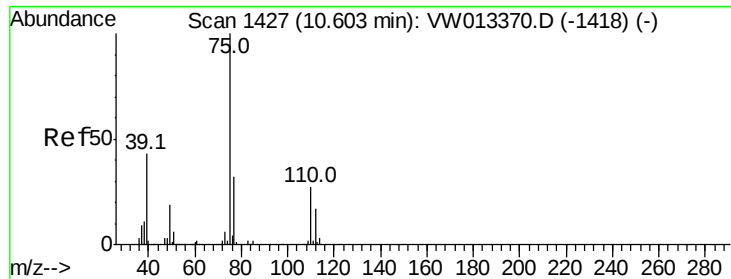
Tgt Ion: 92 Resp: 934671

Ion Ratio Lower Upper

92 100

91 168.4 135.7 203.5





#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 :

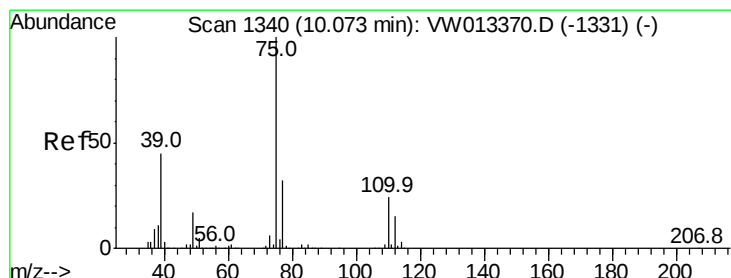
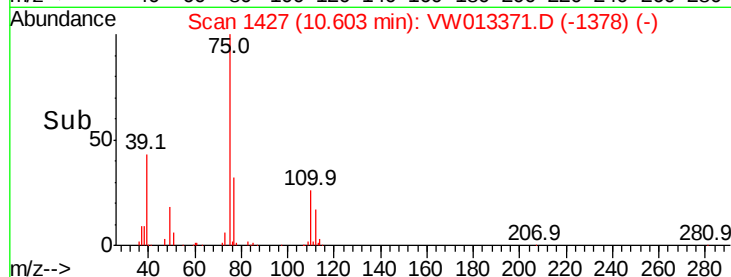
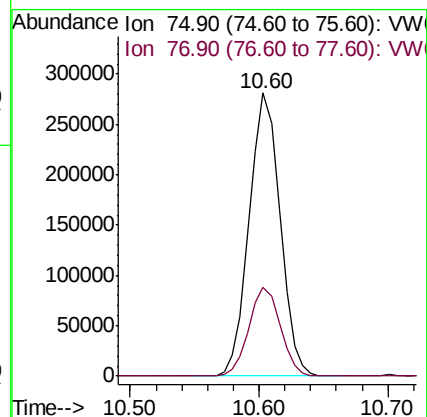
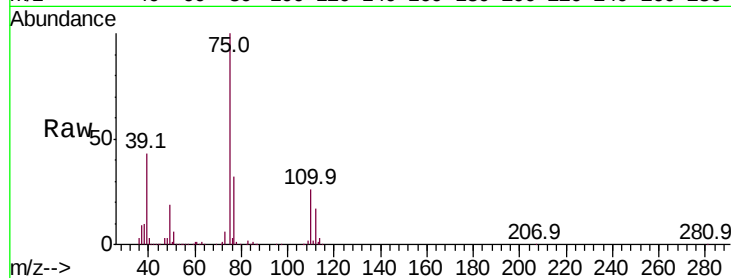
VSTDIC100

Tot Ion: 75 Resp: 467093

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#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

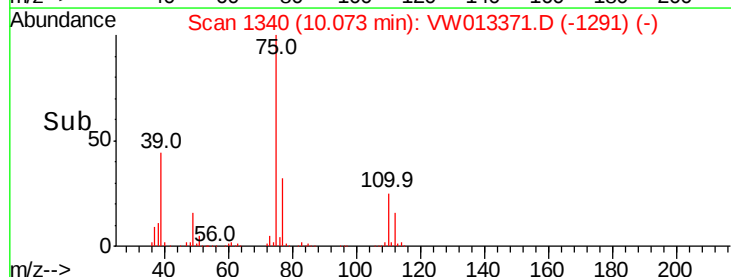
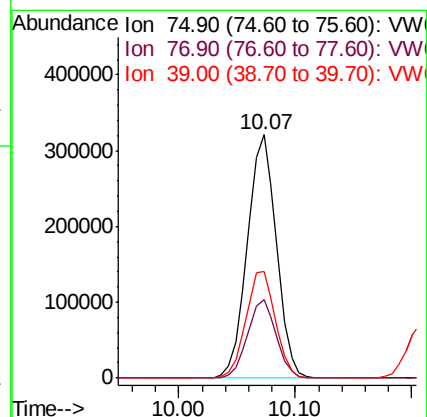
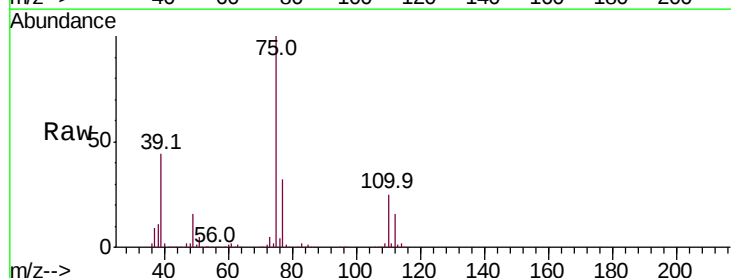
Tgt Ion: 75 Resp: 560847

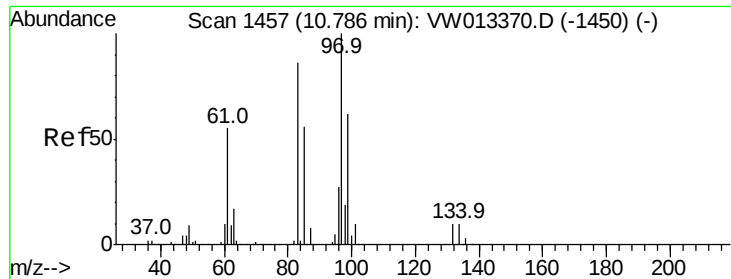
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

39 44.0 36.6 55.0





#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: 97 Resp: 256204

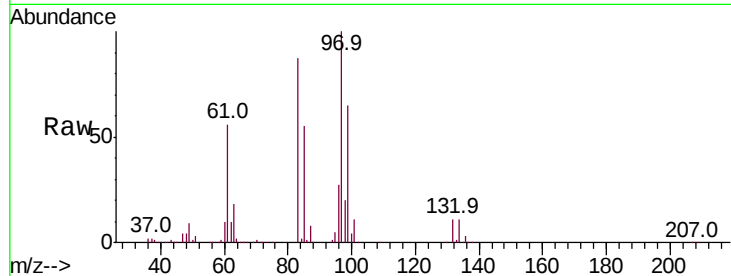
Ion Ratio Lower Upper

97 100

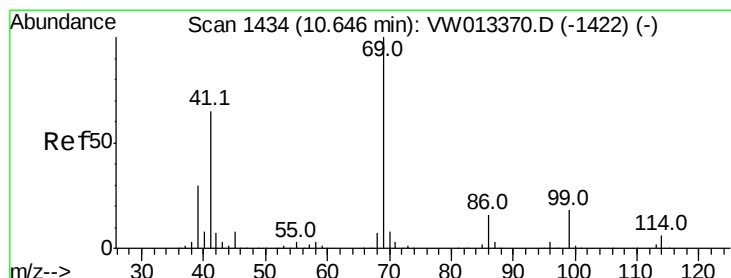
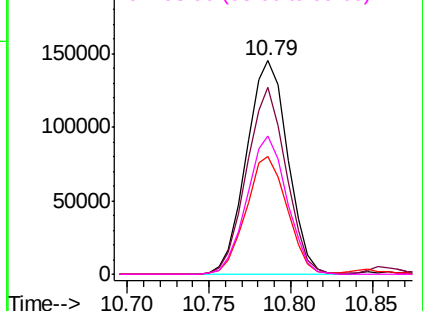
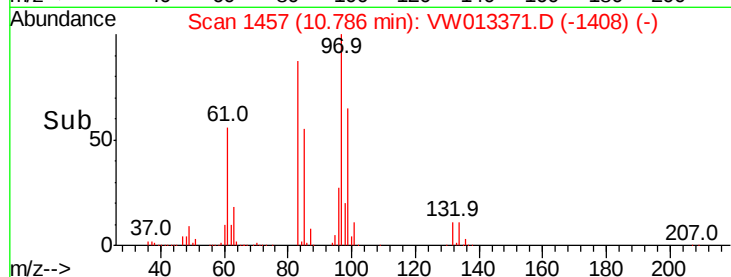
83 87.2 67.6 101.4

85 55.0 41.9 62.9

99 65.0 50.1 75.1



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#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

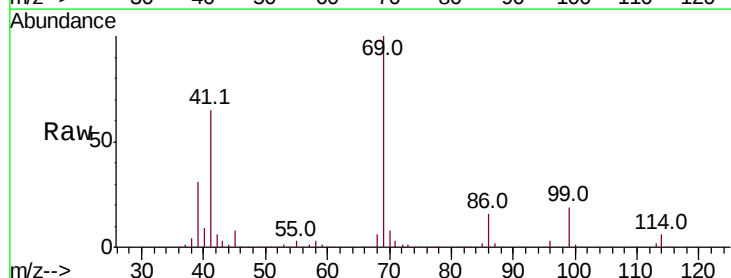
Tgt Ion: 69 Resp: 358226

Ion Ratio Lower Upper

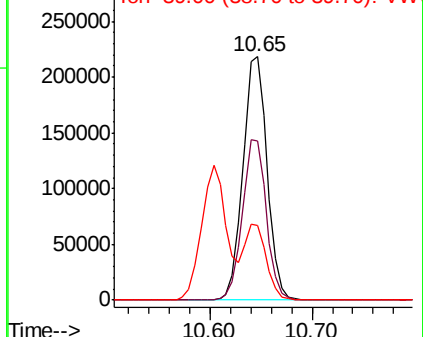
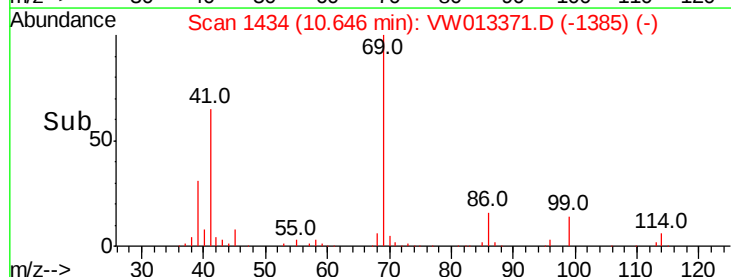
69 100

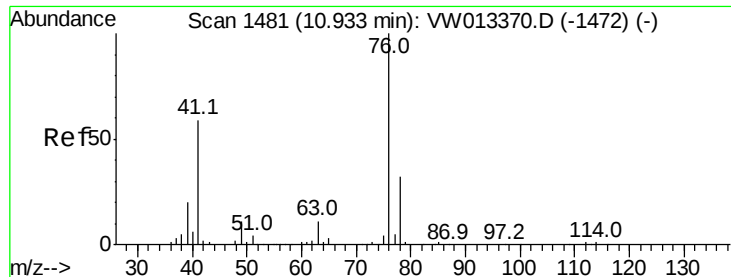
41 65.9 53.9 80.9

39 27.8 23.8 35.6



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW





#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 :

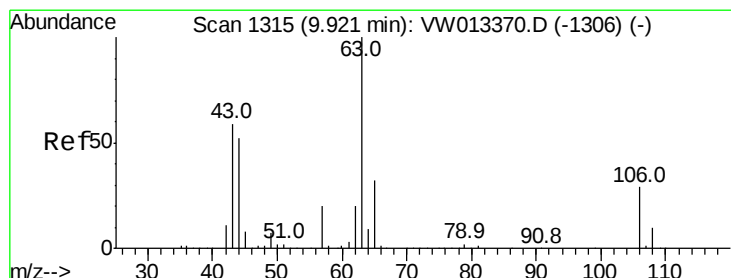
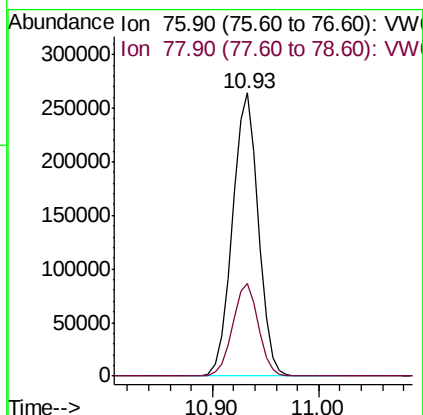
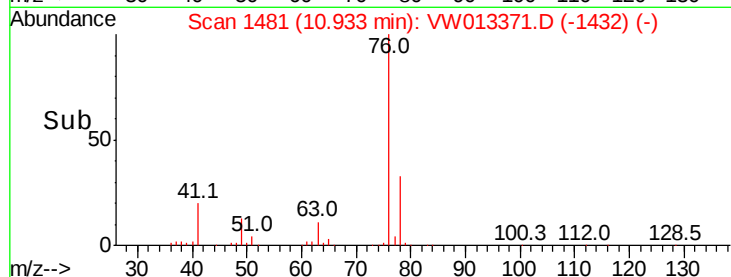
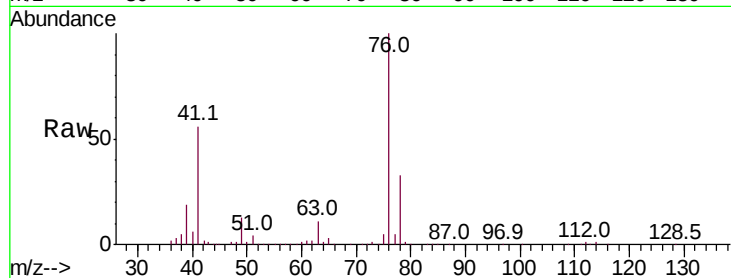
VSTDIC100

Tot Ion: 76 Resp: 448415

Ion Ratio Lower Upper

76 100

78 32.7 25.5 38.3



#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

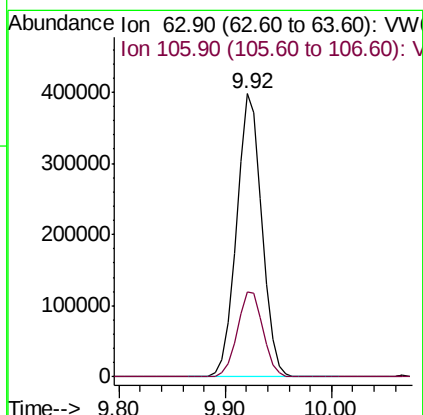
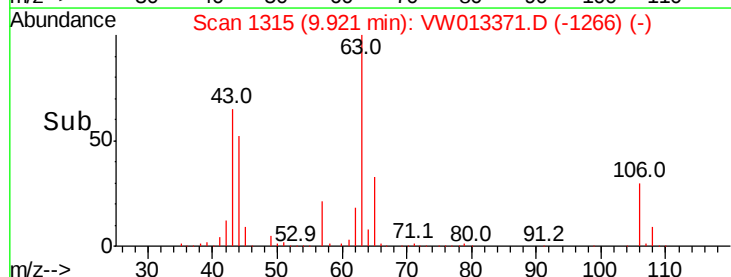
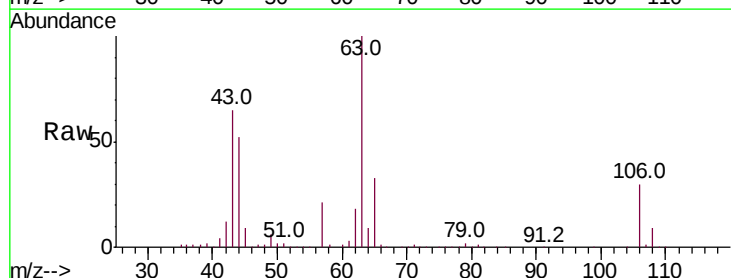
Acq: 01 Oct 2019 14:46

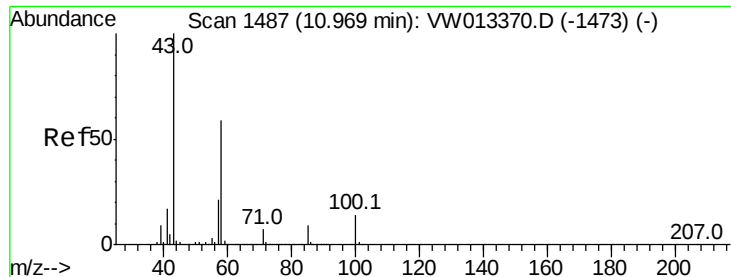
Tgt Ion: 63 Resp: 662910

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 :

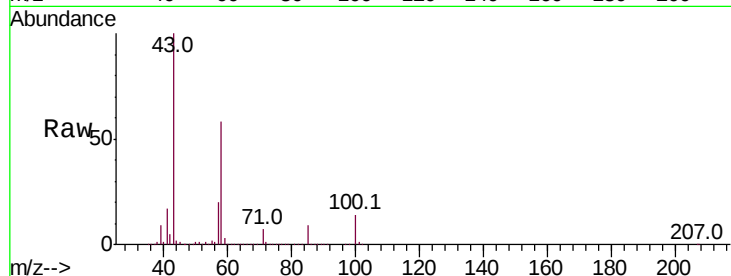
VSTDIC100

Tot Ion: 43 Resp: 784387

Ion Ratio Lower Upper

43 100

58 57.0 28.1 84.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.97

500000

400000

300000

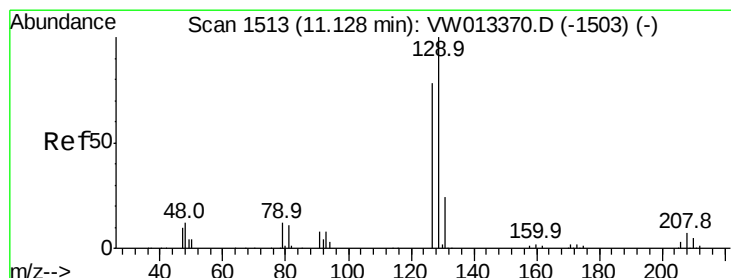
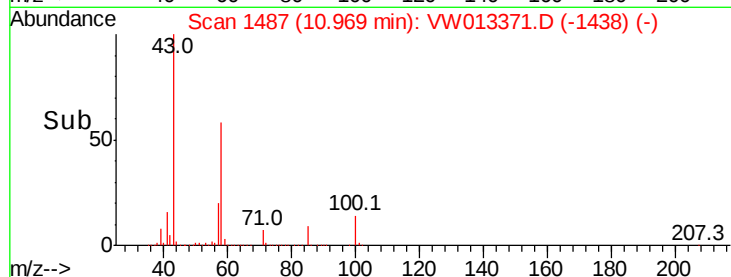
200000

100000

0

Time-->

10.90 11.00



#60

Dibromochloromethane

Concen: 101.688 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013371.D

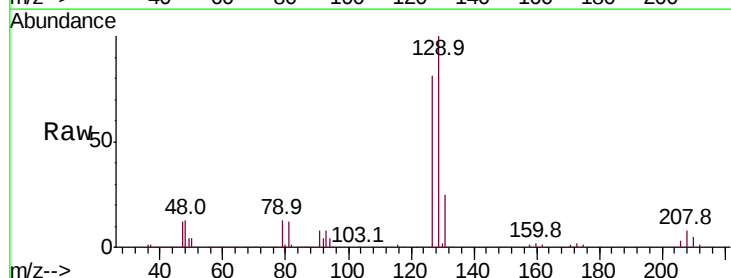
Acq: 01 Oct 2019 14:46

Tgt Ion: 129 Resp: 305309

Ion Ratio Lower Upper

129 100

127 78.0 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

200000

150000

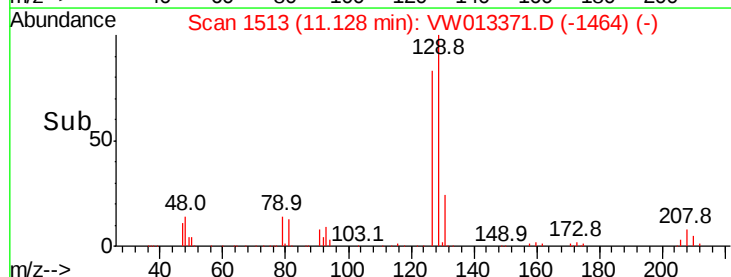
100000

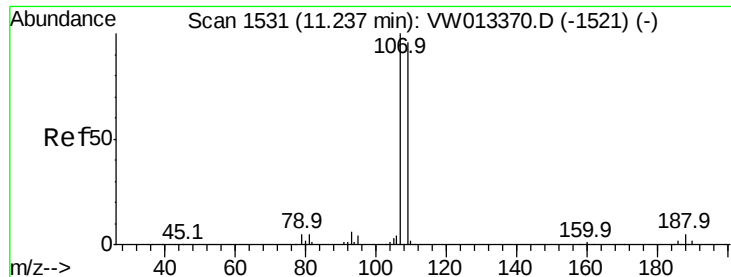
50000

0

Time-->

11.10 11.20

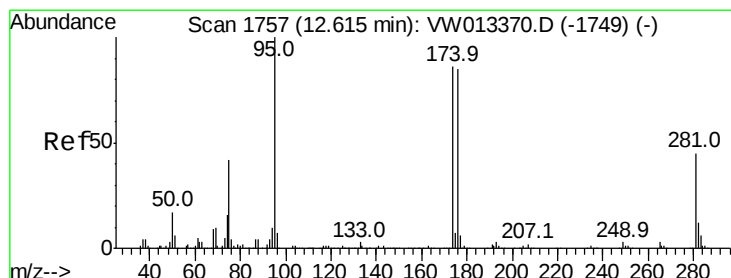
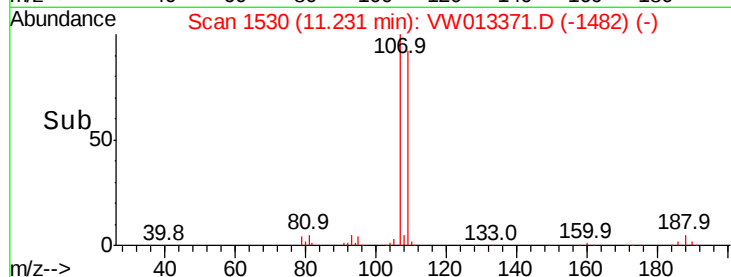
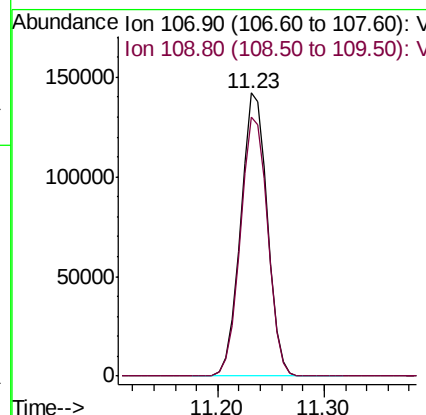
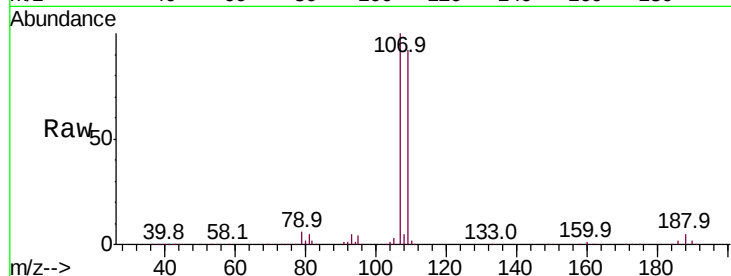




#61
 1,2-Dibromoethane
 Concen: 99.500 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

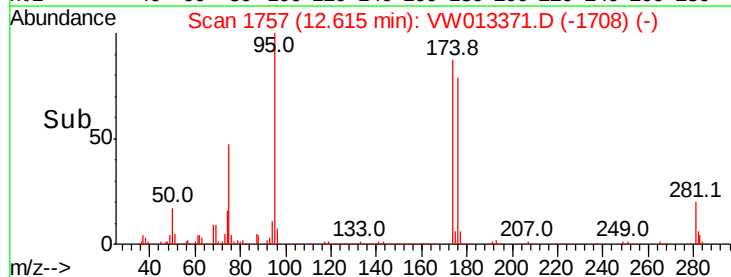
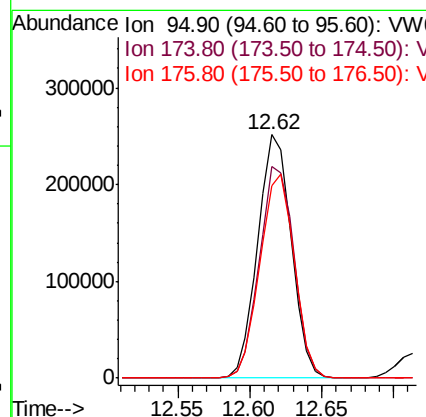
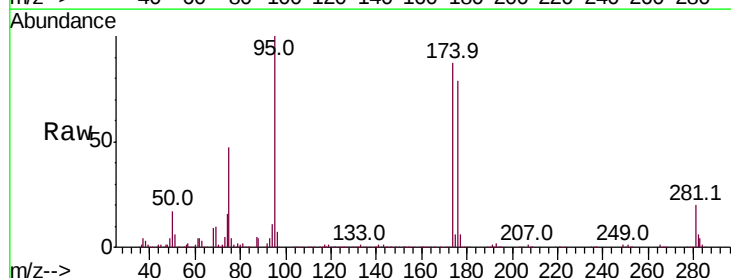
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

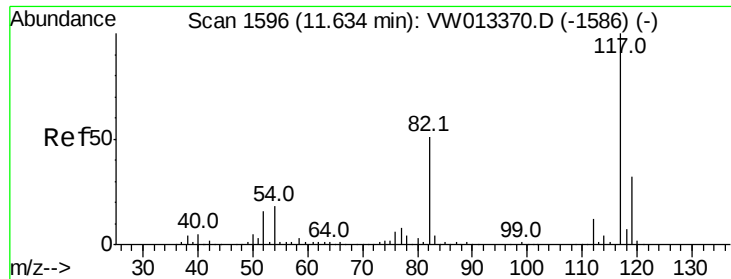
Tot Ion:107 Resp: 250148
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.2 112.8



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

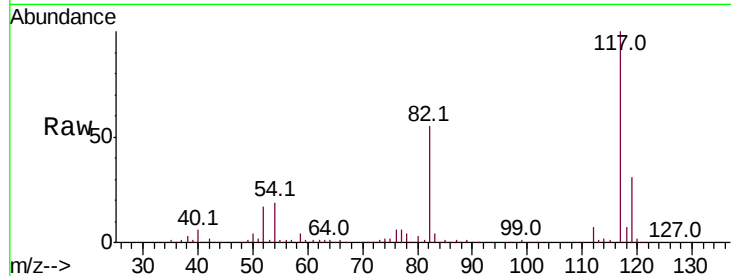




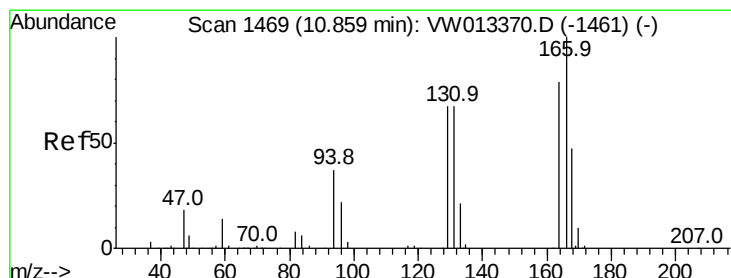
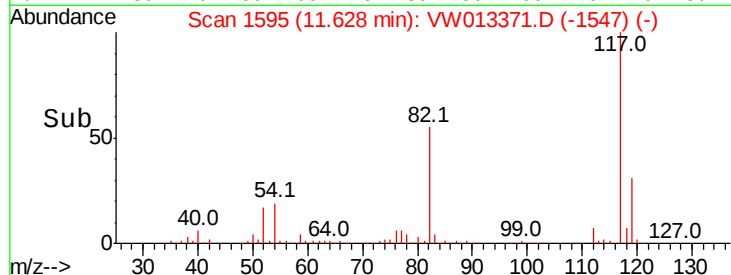
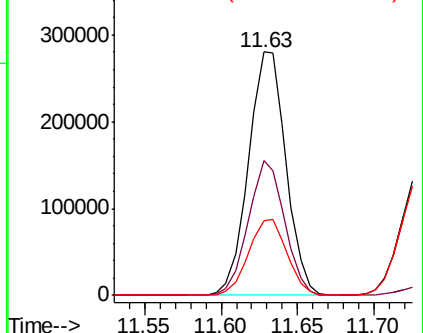
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

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

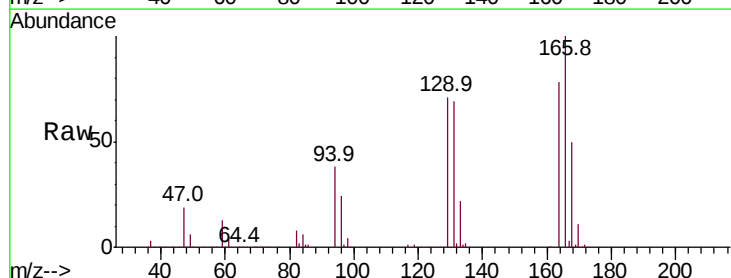


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

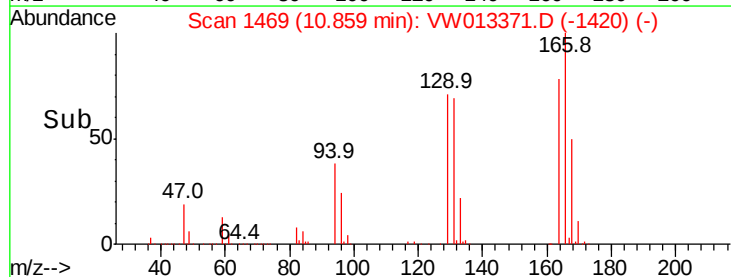
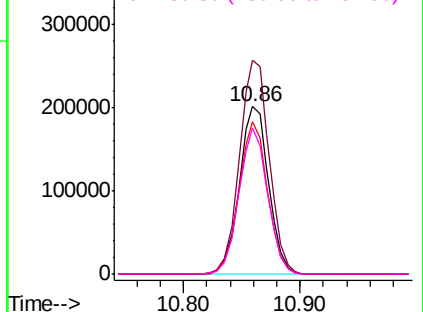


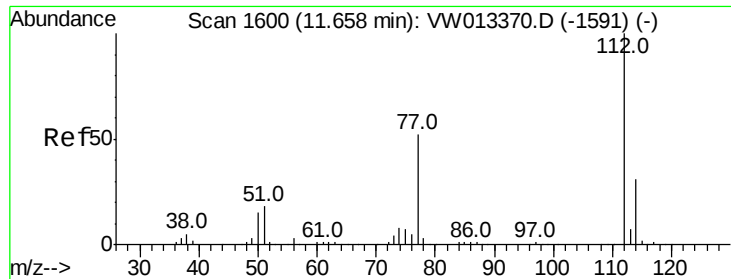
#64
Tetrachloroethene
Concen: 97.020 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion:164 Resp: 351231
Ion Ratio Lower Upper
164 100
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

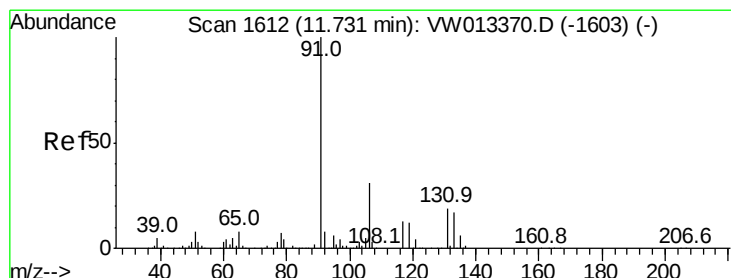
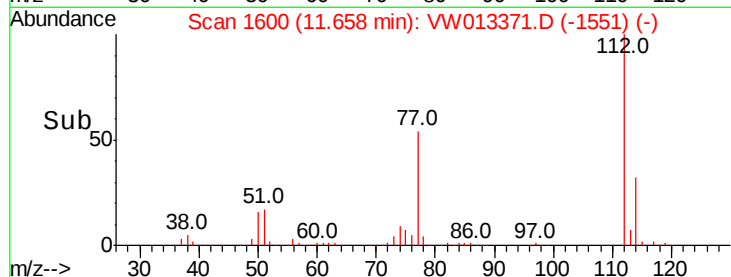
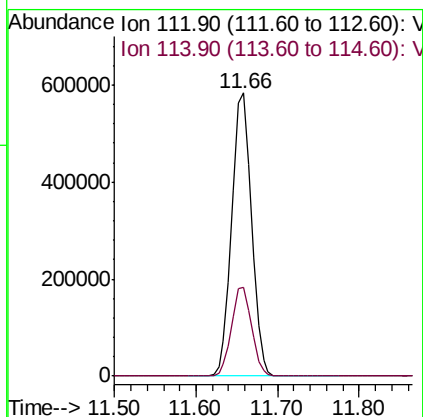
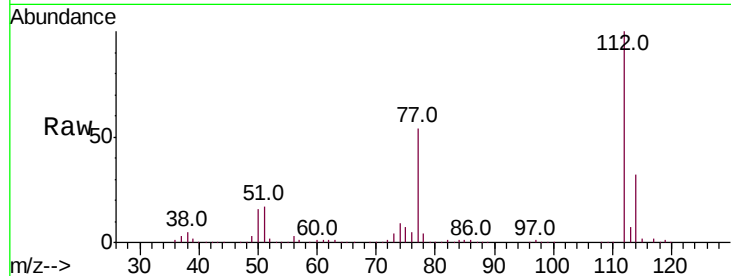




#65
Chlorobenzene
Concen: 97.365 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

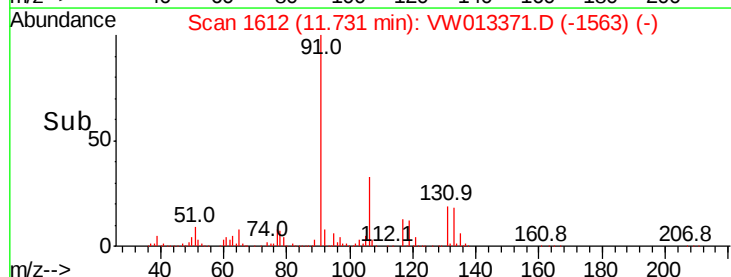
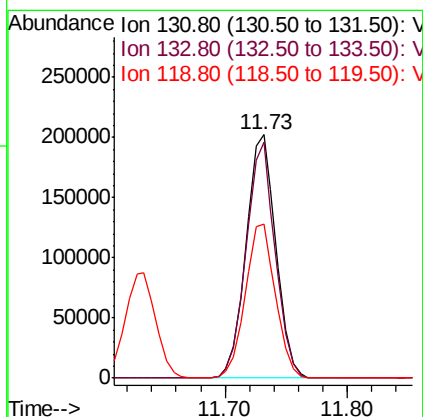
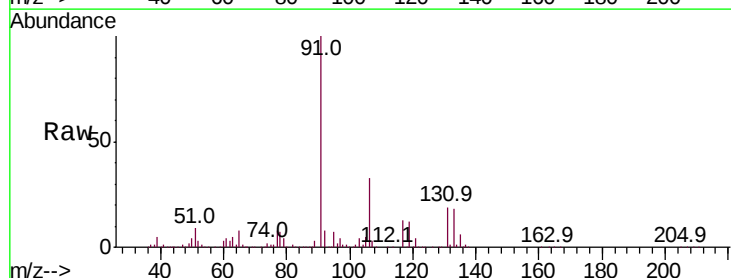
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

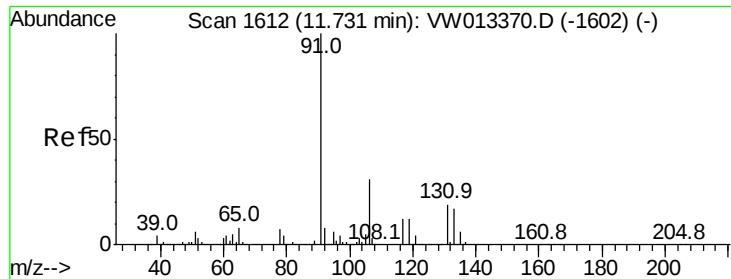
Tot Ion:112 Resp: 970102
Ion Ratio Lower Upper
112 100
114 31.6 26.5 39.7



#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

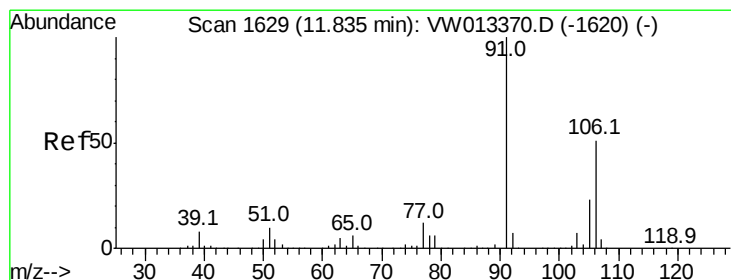
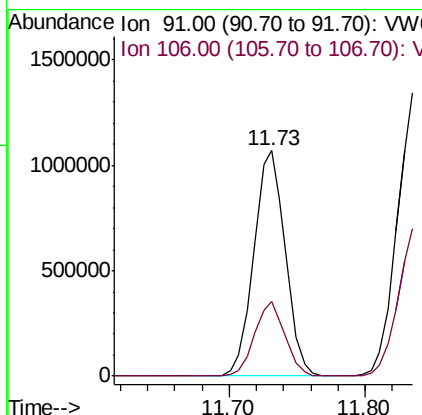
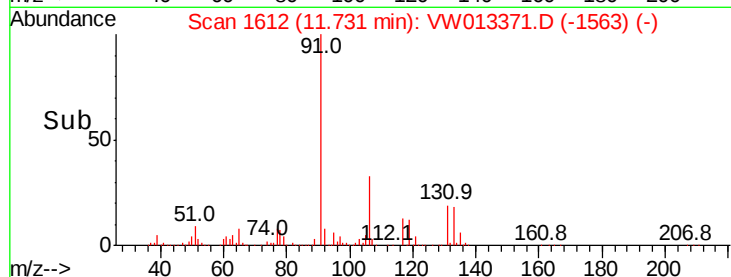
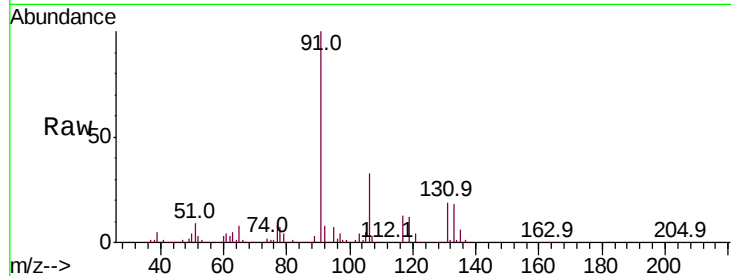




#67
Ethyl Benzene
Concen: 96.122 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

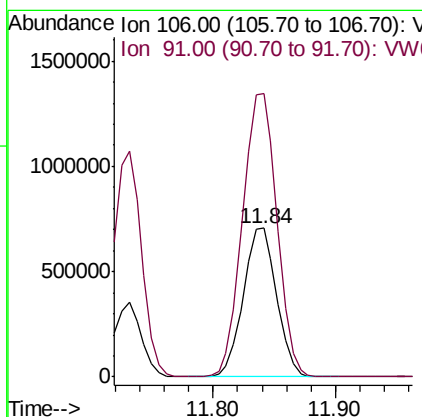
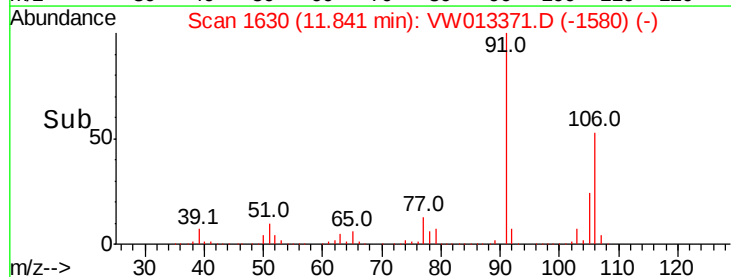
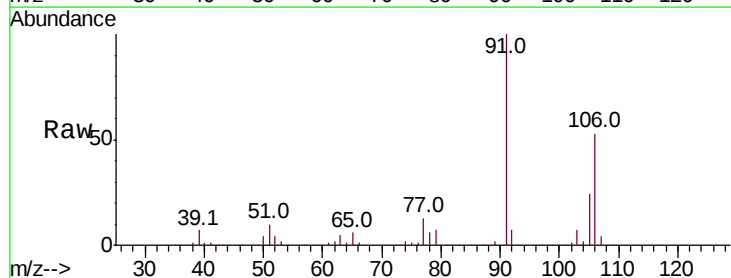
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

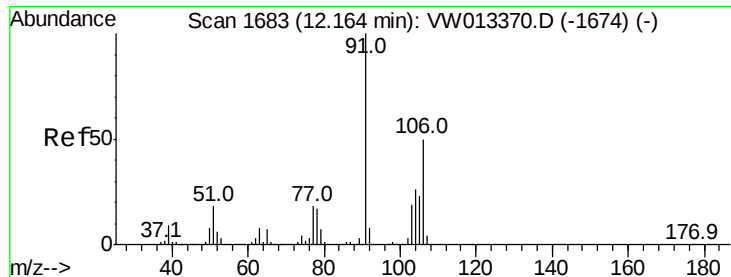
Tot Ion: 91 Resp: 1735274
Ion Ratio Lower Upper
91 100
106 33.2 24.9 37.3



#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

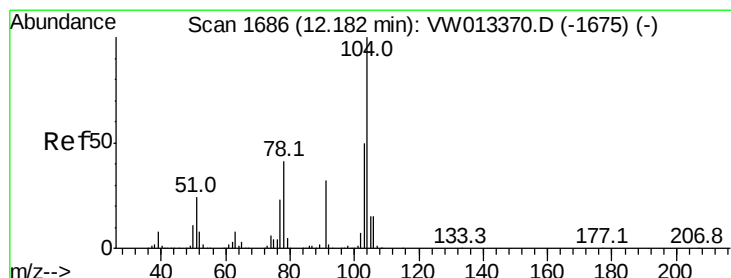
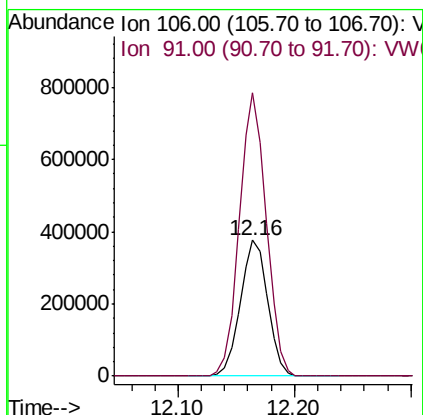
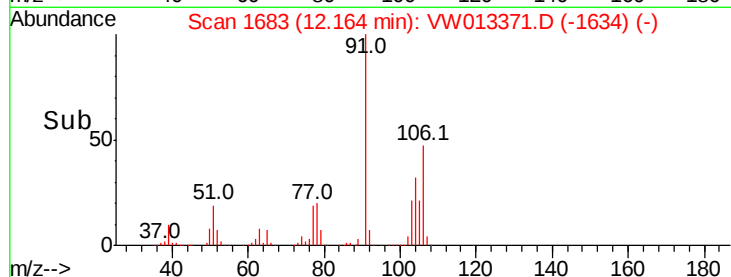
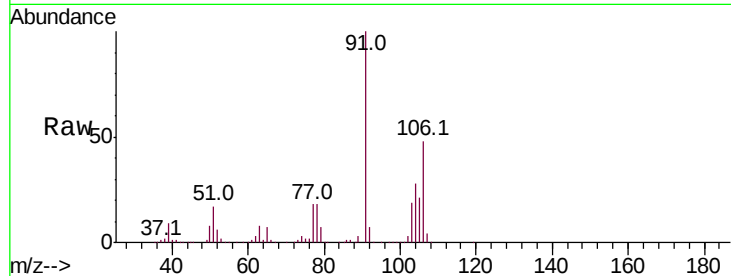




#69
o-Xylene
Concen: 96.487 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

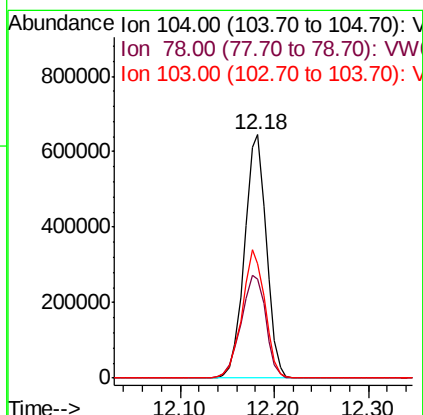
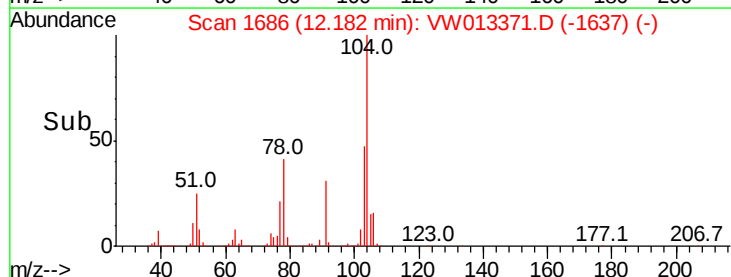
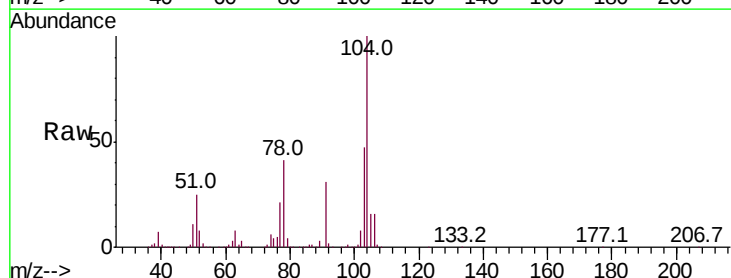
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

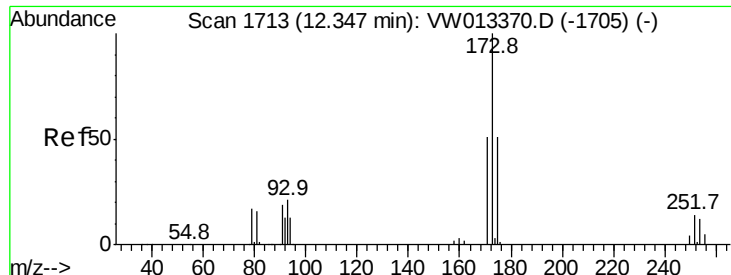
Tot Ion:106 Resp: 617114
Ion Ratio Lower Upper
106 100
91 204.1 106.5 319.5



#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

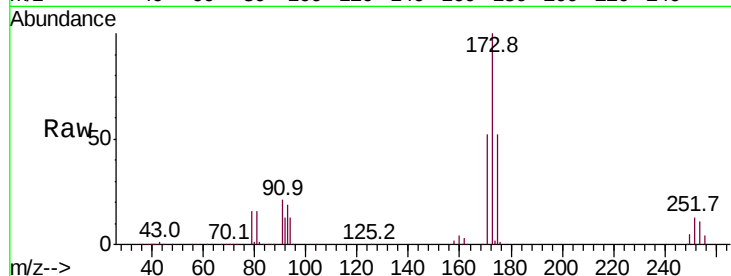




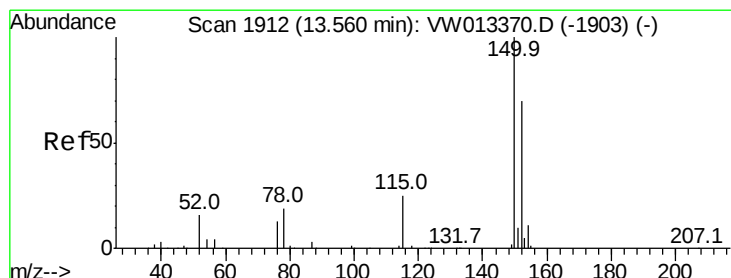
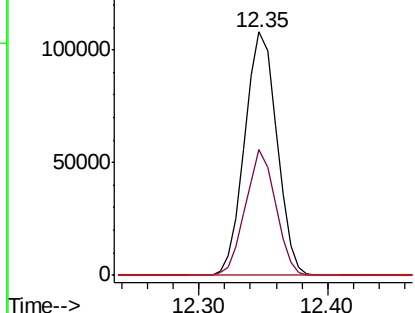
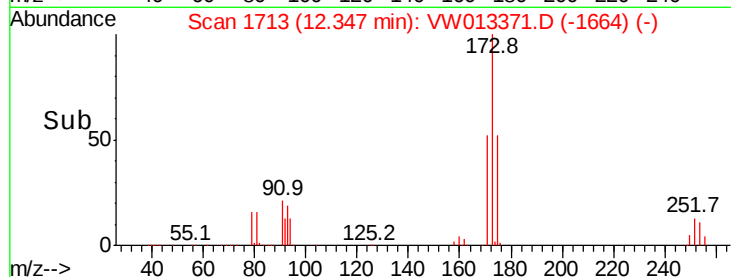
#71
Bromoform
Concen: 103.507 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:173 Resp: 186133
Ion Ratio Lower Upper
173 100
175 48.3 24.3 73.0
254 0.1 0.1 0.1#

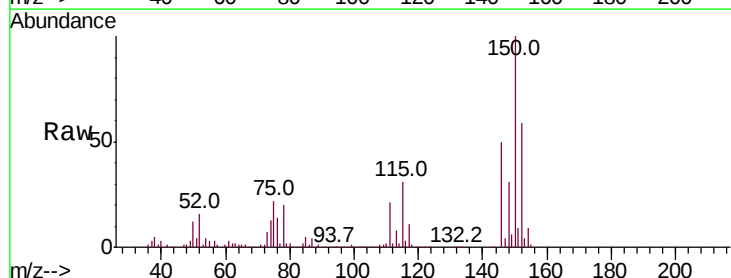


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

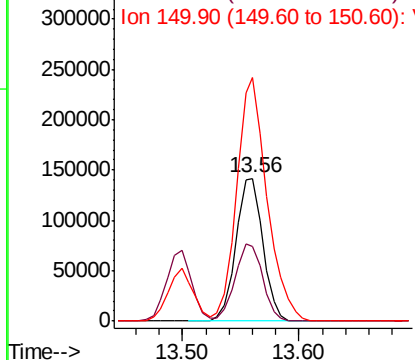
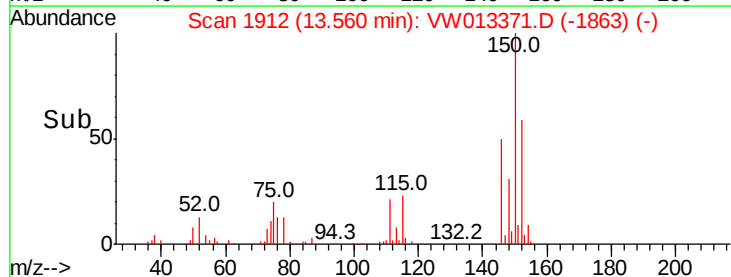


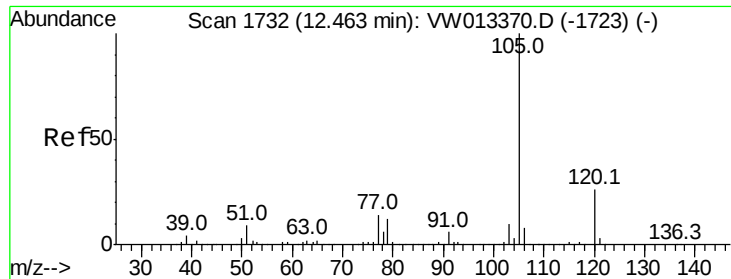
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

Tgt Ion:152 Resp: 229444
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 :

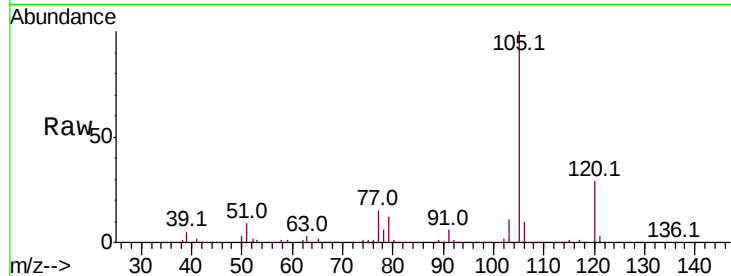
VSTDIC100

Tot Ion:105 Resp: 1661816

Ion Ratio Lower Upper

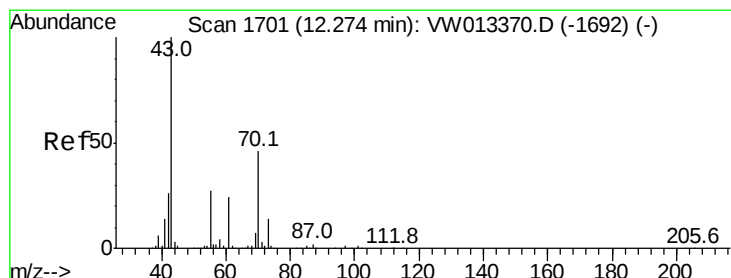
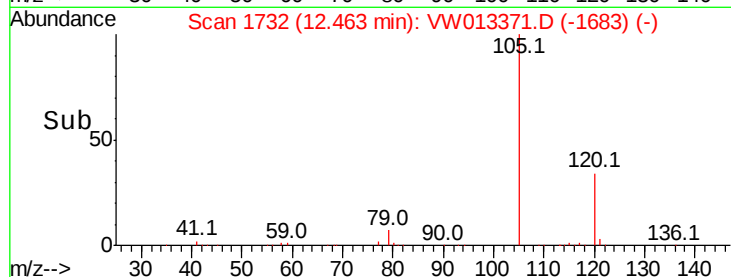
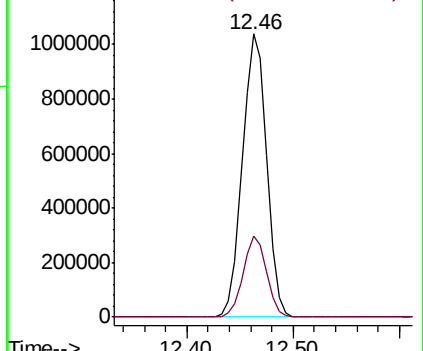
105 100

120 27.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#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

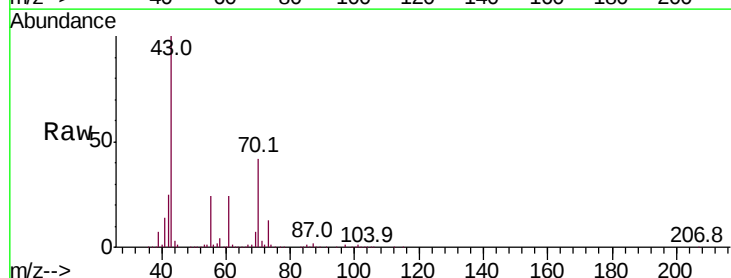
Ion Ratio Lower Upper

43 100

70 46.4 35.1 52.7

55 25.5 19.9 29.9

61 26.5 19.5 29.3

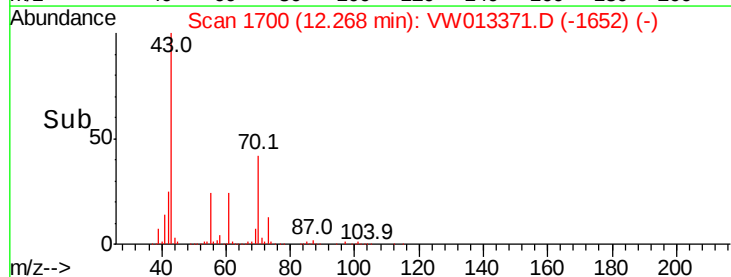
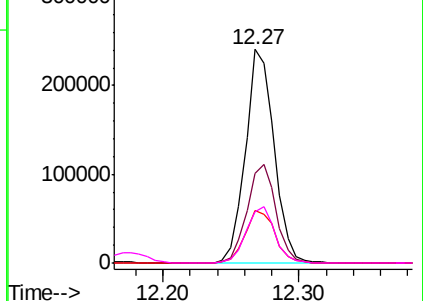


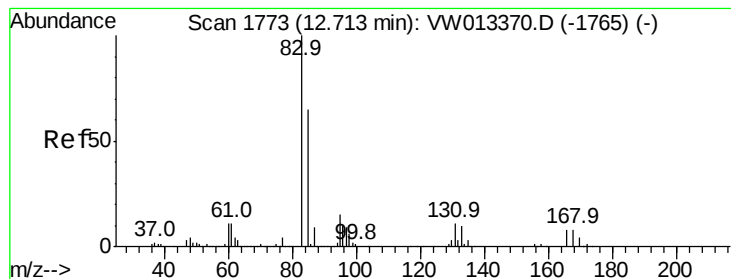
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#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

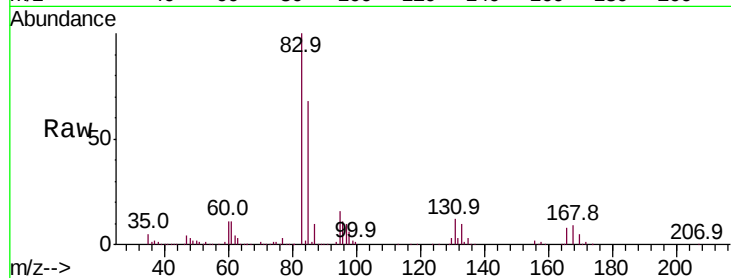
Tot Ion: 83 Resp: 270579

Ion Ratio Lower Upper

83 100

131 11.5 5.4 16.2

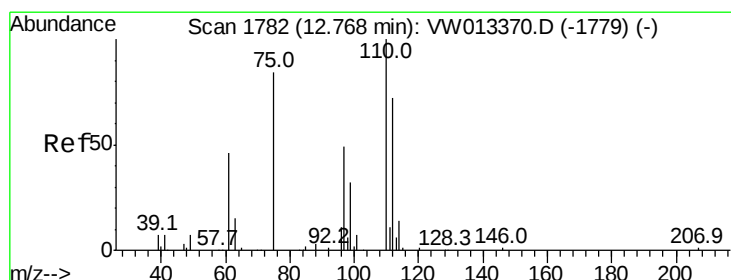
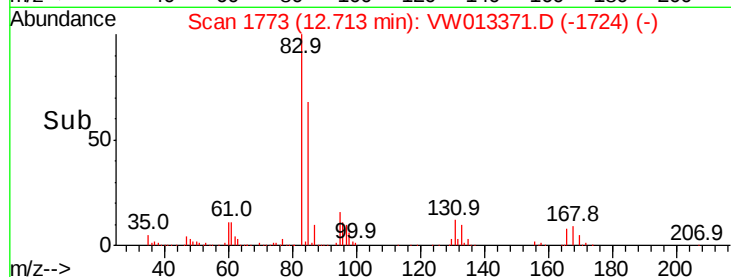
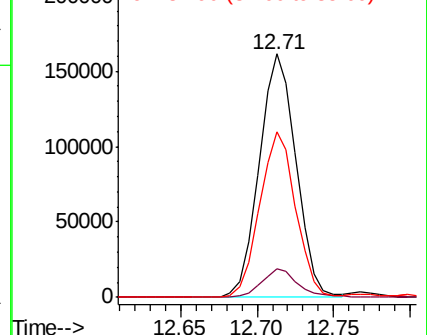
85 66.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 176.428 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013371.D

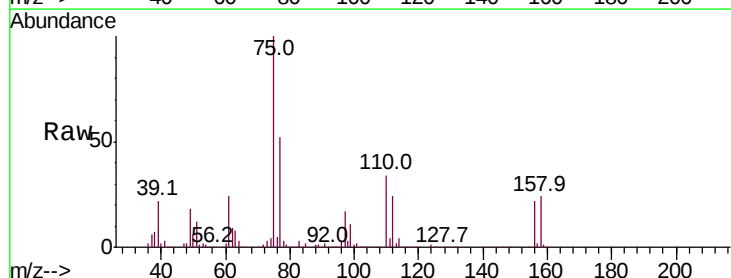
Acq: 01 Oct 2019 14:46

Tgt Ion: 75 Resp: 357494

Ion Ratio Lower Upper

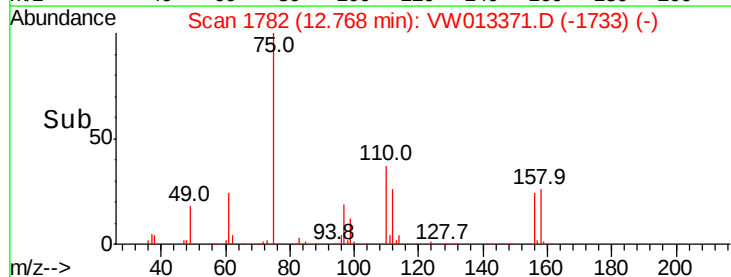
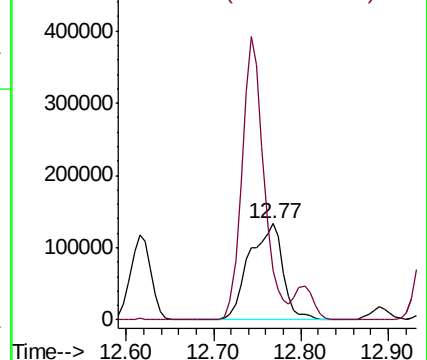
75 100

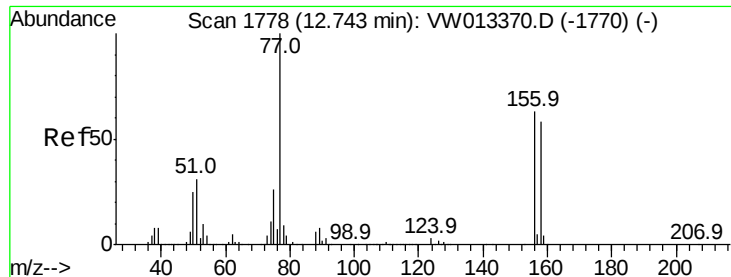
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#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

ClientSampled :

VSTDIC100

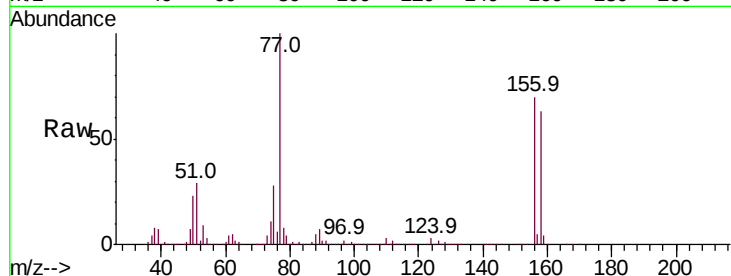
Tot Ion:156 Resp: 409348

Ion Ratio Lower Upper

156 100

77 169.0 85.7 257.1

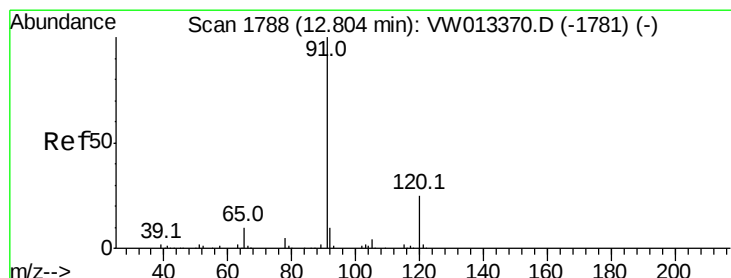
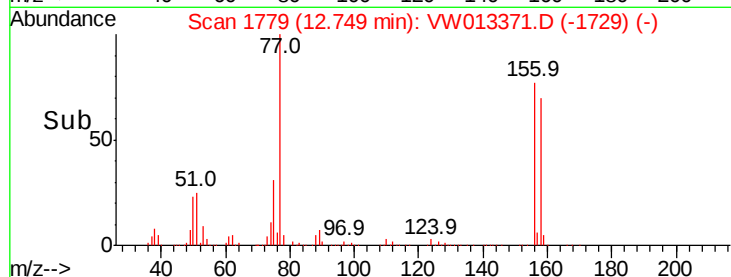
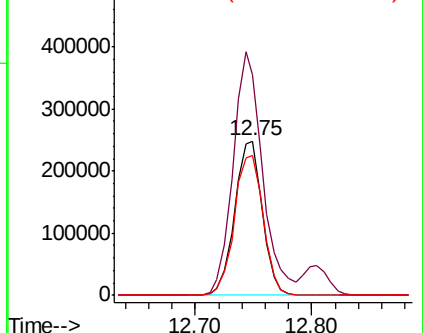
158 95.1 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 99.710 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013371.D

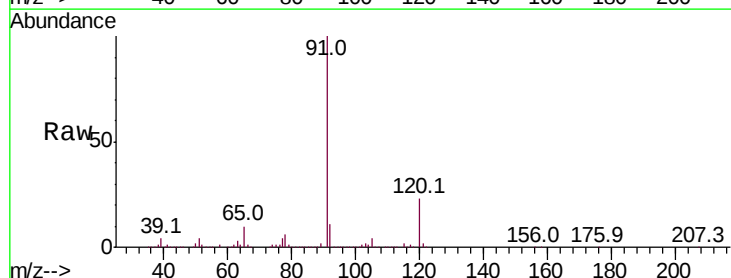
Acq: 01 Oct 2019 14:46

Tgt Ion: 91 Resp: 1978201

Ion Ratio Lower Upper

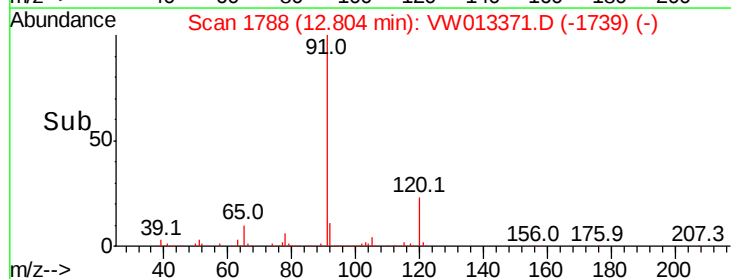
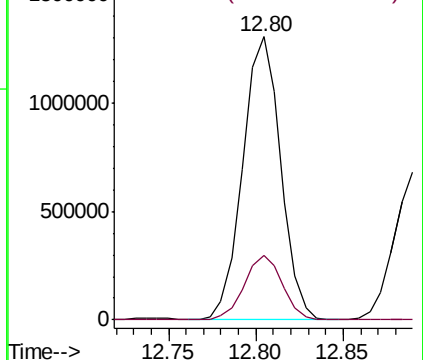
91 100

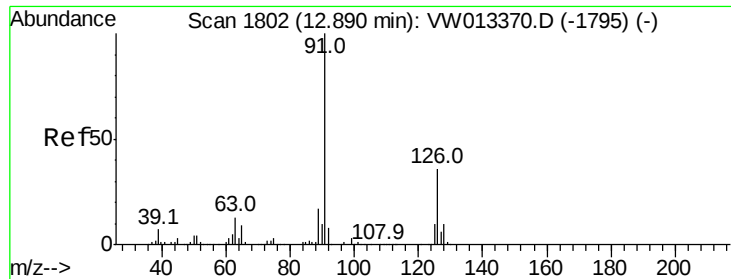
120 22.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#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 :

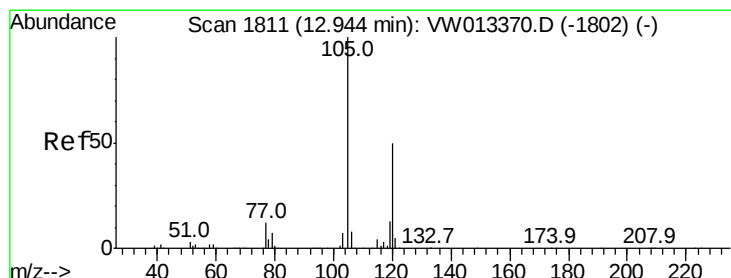
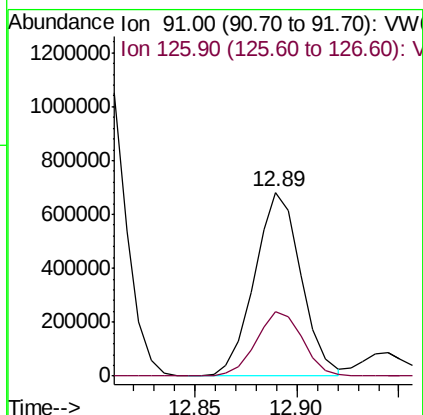
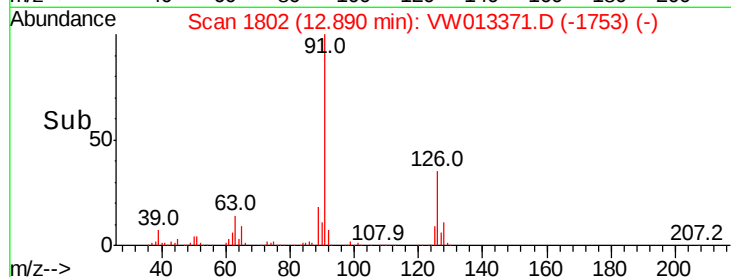
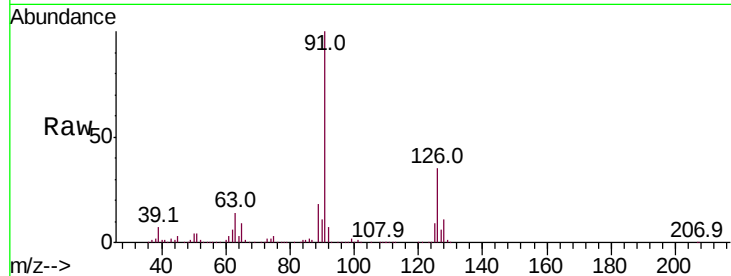
VSTDIC100

Tot Ion: 91 Resp: 1080039

Ion Ratio Lower Upper

91 100

126 35.3 17.2 51.5



#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

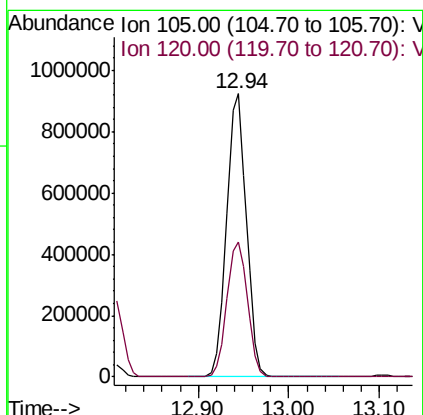
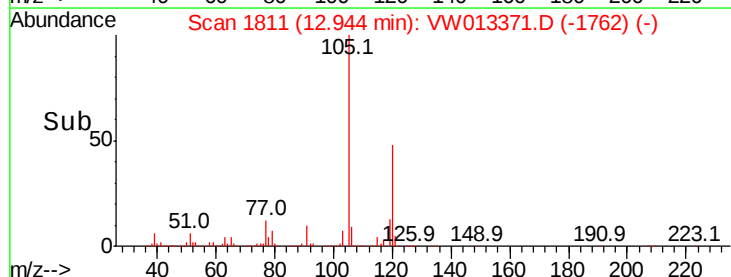
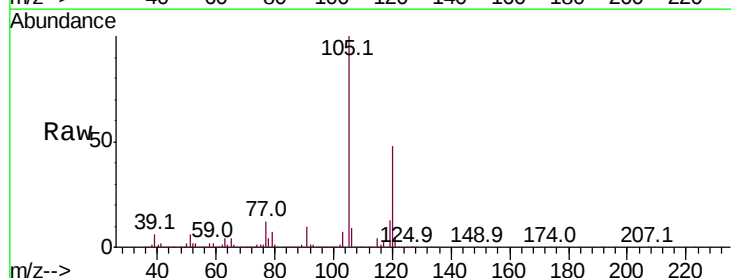
Acq: 01 Oct 2019 14:46

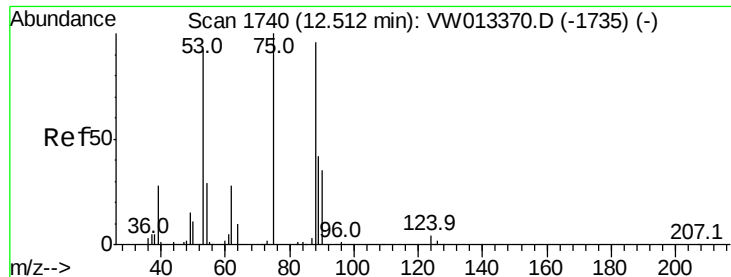
Tgt Ion:105 Resp: 1395229

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.8

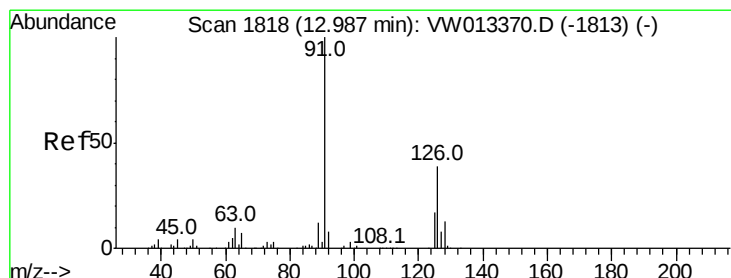
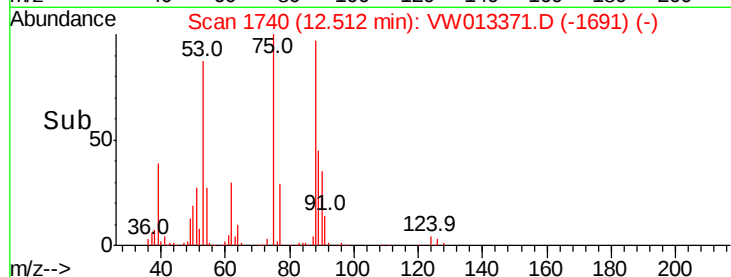
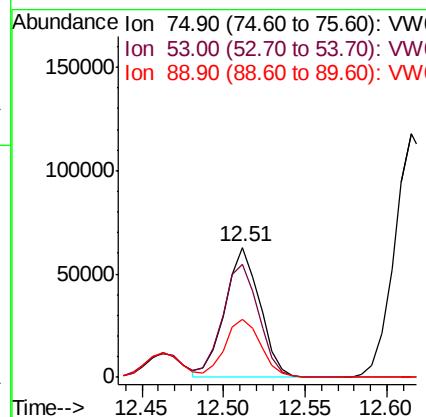
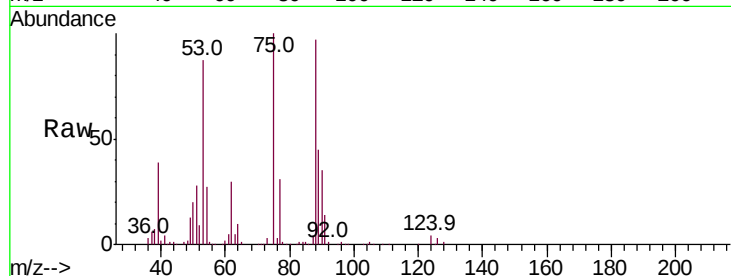




#81
trans-1,4-Dichloro-2-butene
Concen: 104.407 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013371.D
Acq: 01 Oct 2019 14:46

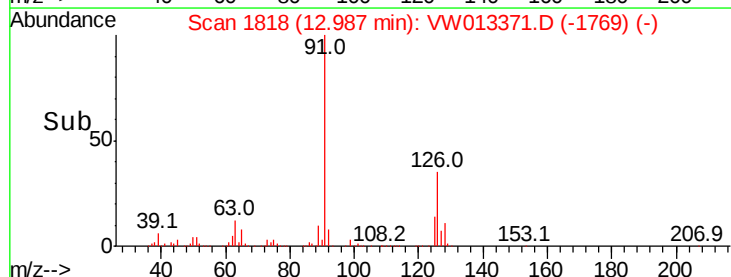
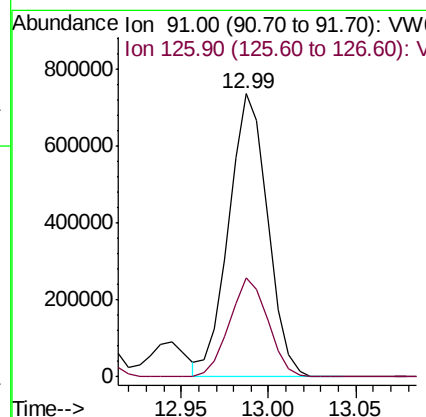
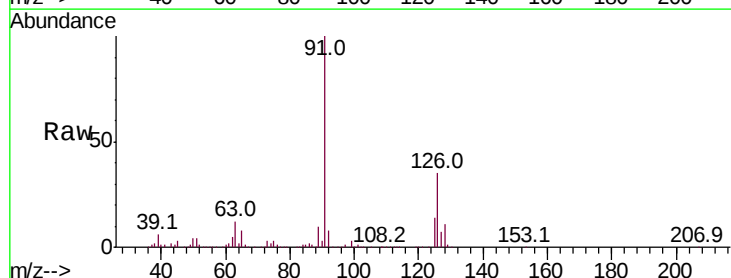
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

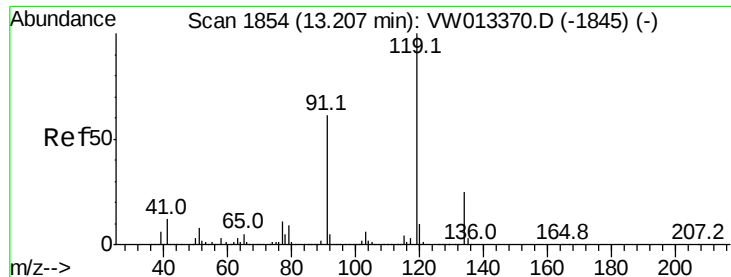
Tot Ion: 75 Resp: 94281
Ion Ratio Lower Upper
75 100
53 90.1 76.6 114.8
89 45.3 33.5 50.3



#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

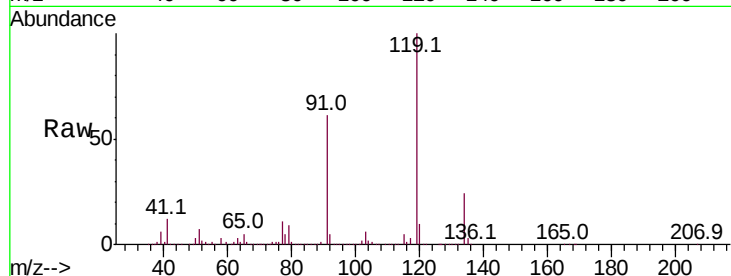
Tot Ion:119 Resp: 1245775

Ion Ratio Lower Upper

119 100

91 60.1 30.7 92.1

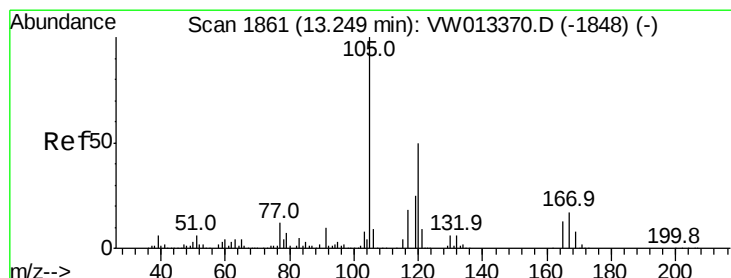
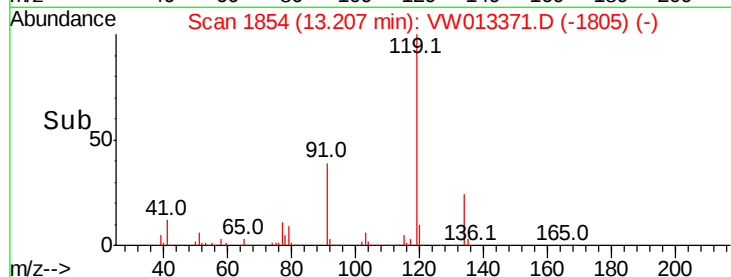
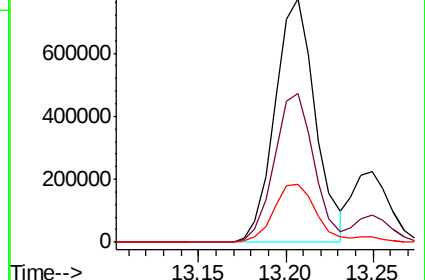
134 26.4 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#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

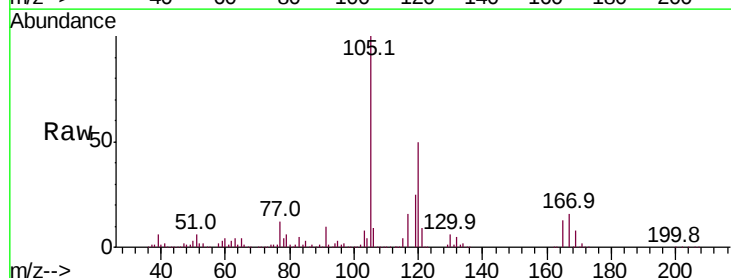
Acq: 01 Oct 2019 14:46

Tgt Ion:105 Resp: 1349800

Ion Ratio Lower Upper

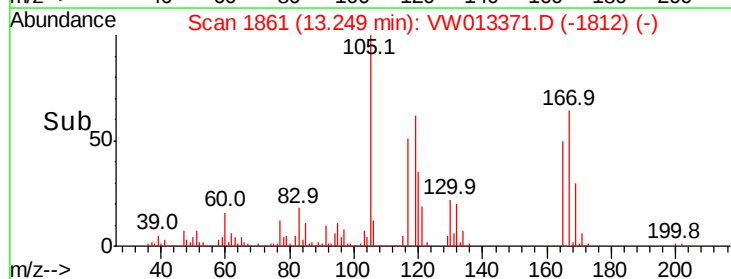
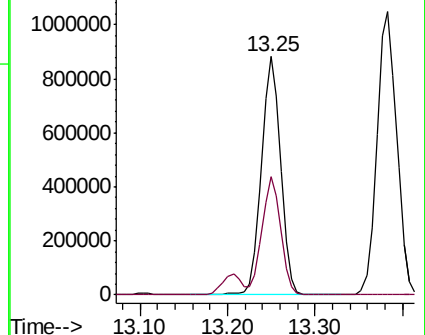
105 100

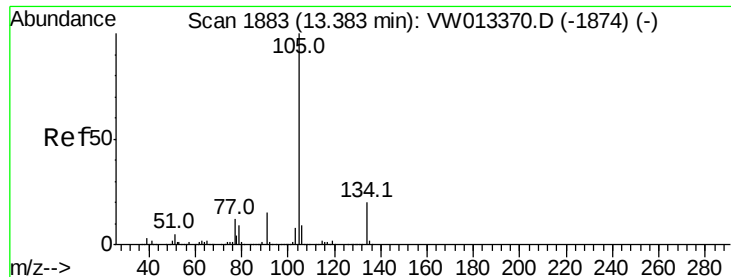
120 47.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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 :

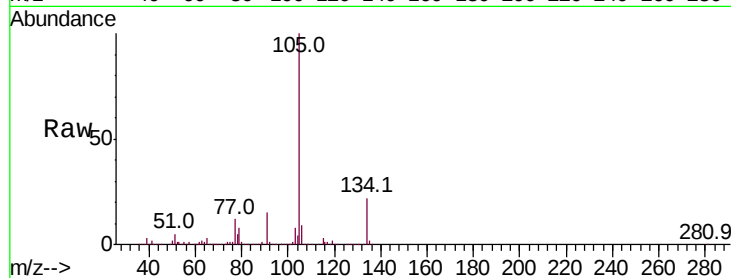
VSTDIC100

Tot Ion:105 Resp: 1633748

Ion Ratio Lower Upper

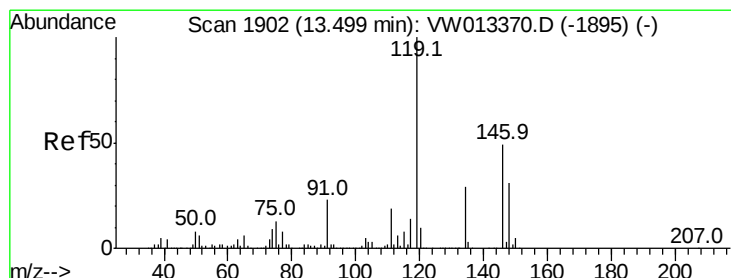
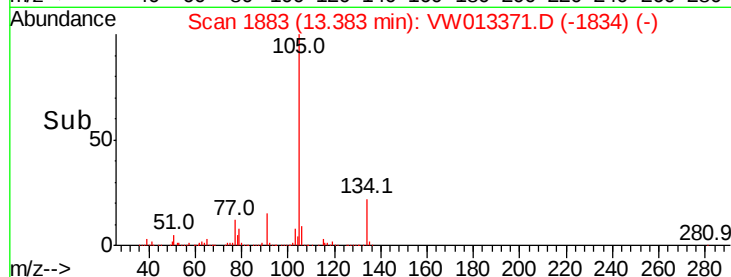
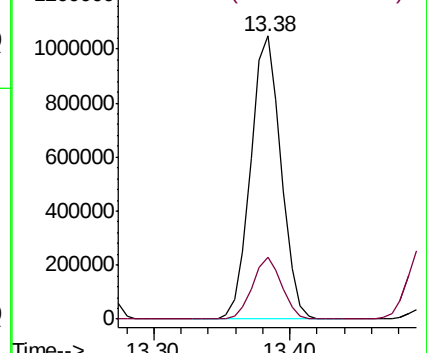
105 100

134 21.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

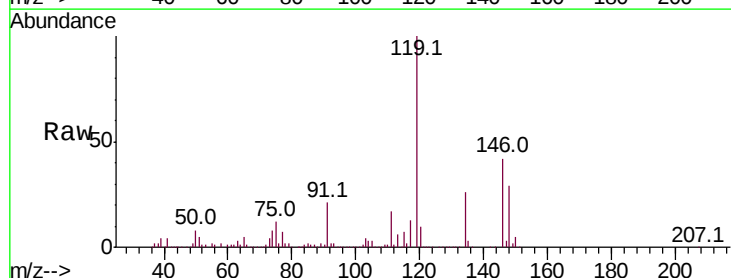
Tgt Ion:119 Resp: 1564467

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

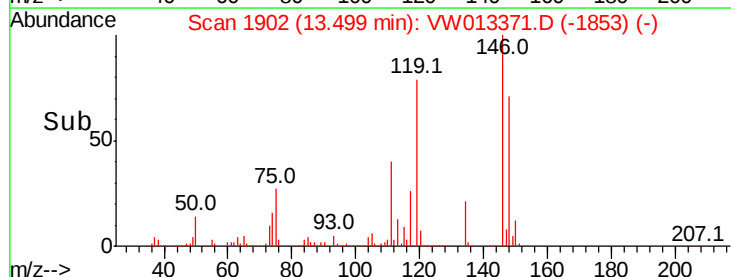
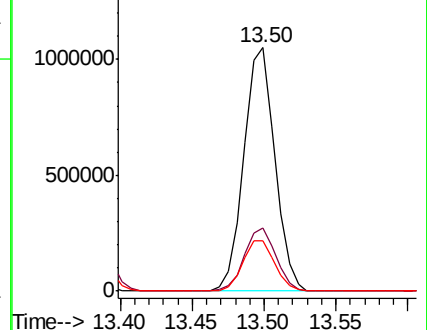
91 21.3 10.8 32.4

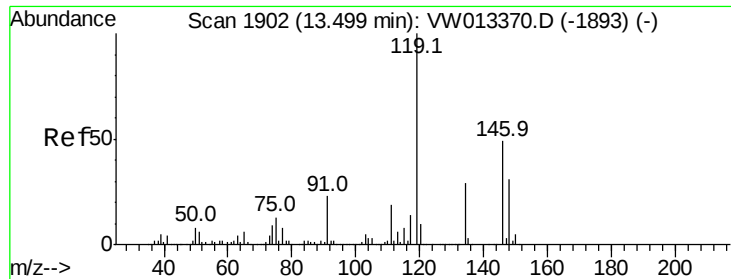


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

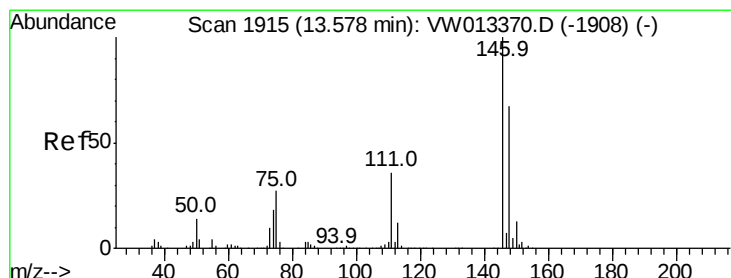
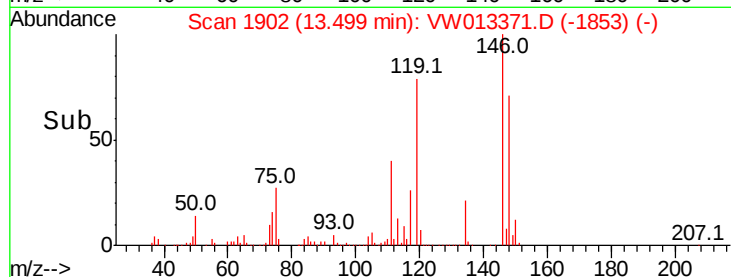
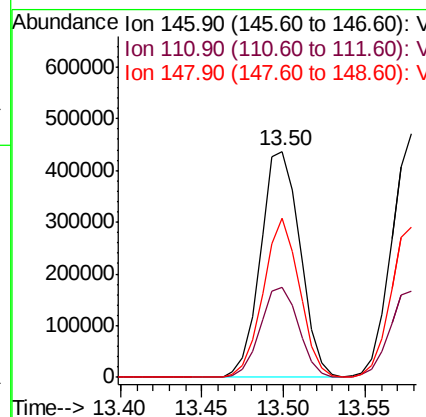
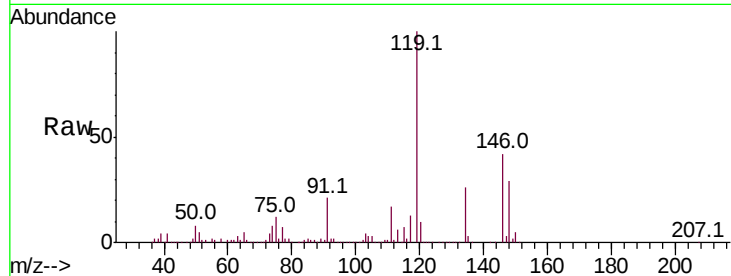




#87
 1,3-Dichlorobenzene
 Concen: 95.217 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

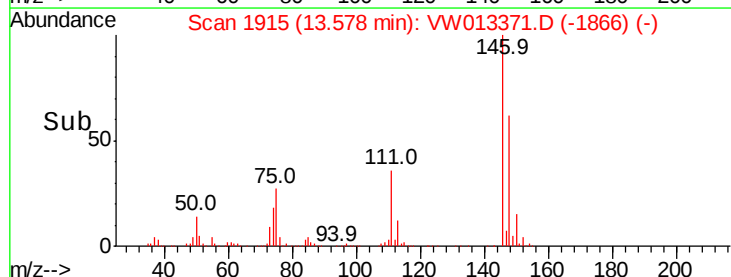
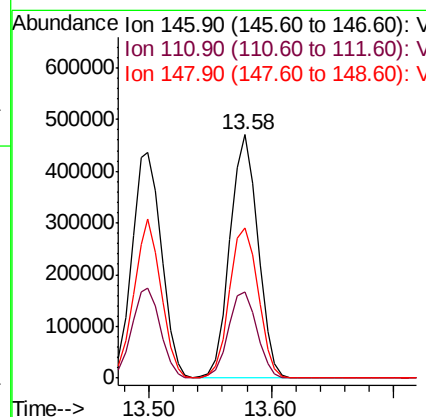
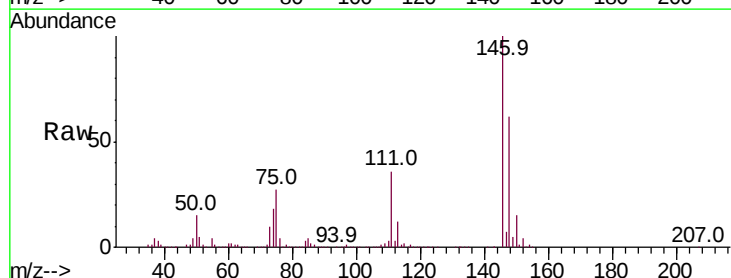
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

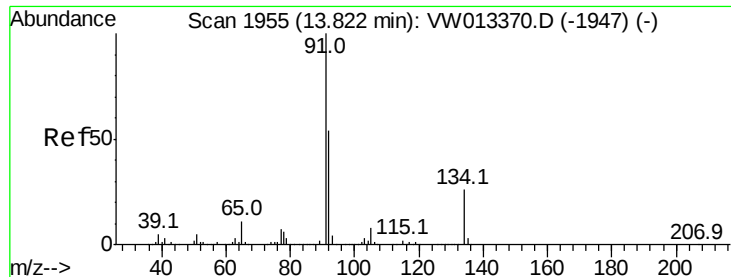
Tot Ion:146 Resp: 736026
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.9 56.9
 148 64.9 31.9 95.5



#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:146 Resp: 743643
 Ion Ratio Lower Upper
 146 100
 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

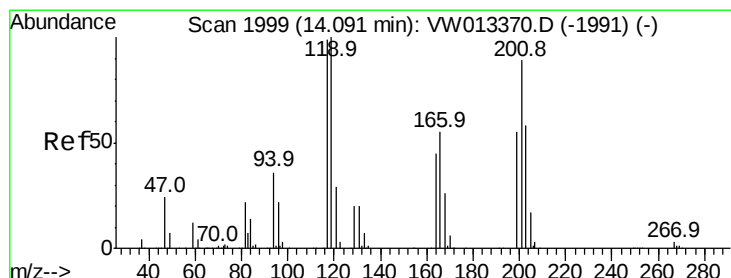
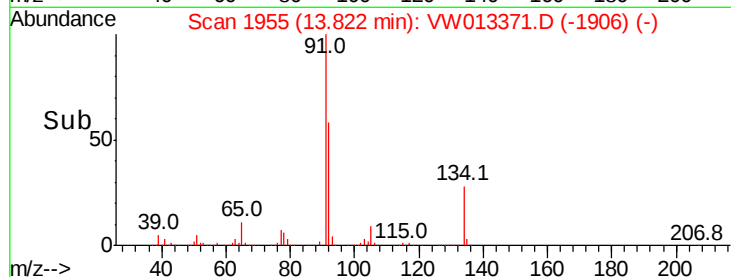
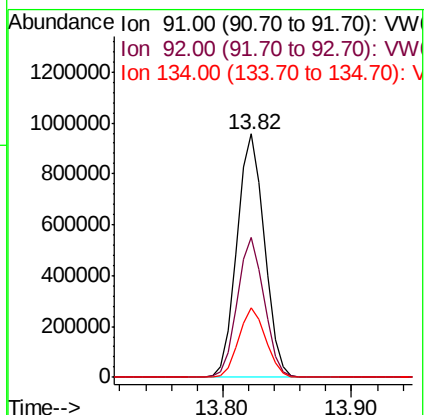
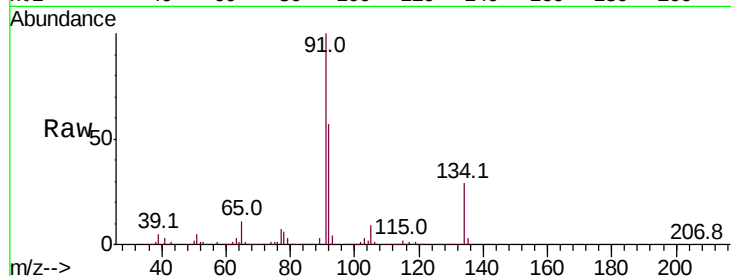
Tot Ion: 91 Resp: 1413127

Ion Ratio Lower Upper

91 100

92 56.1 27.6 82.8

134 28.0 13.7 41.1



#90

Hexachloroethane

Concen: 99.012 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013371.D

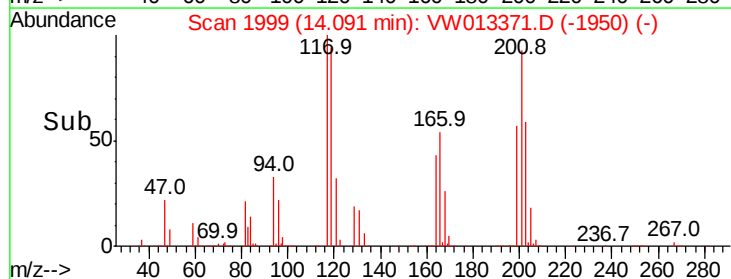
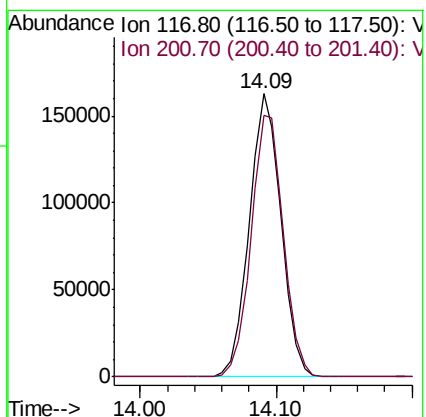
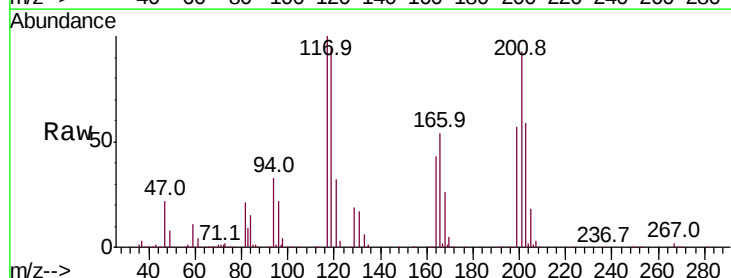
Acq: 01 Oct 2019 14:46

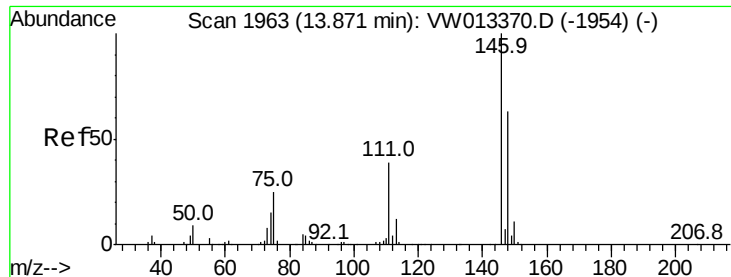
Tgt Ion: 117 Resp: 265981

Ion Ratio Lower Upper

117 100

201 93.9 44.5 133.5

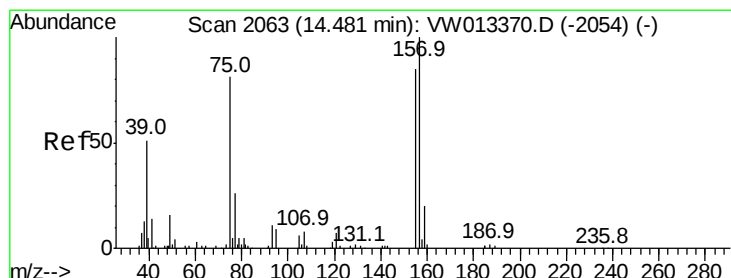
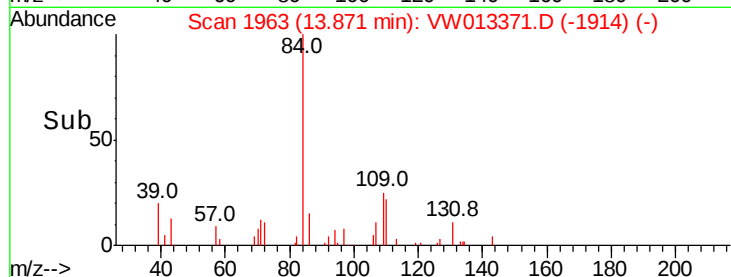
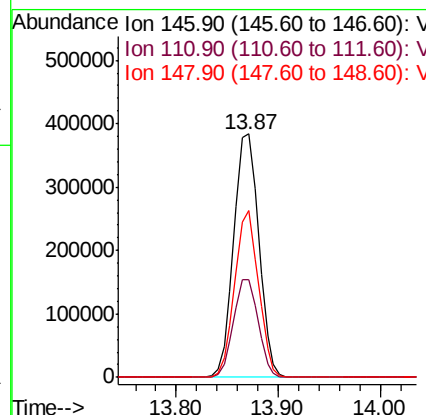
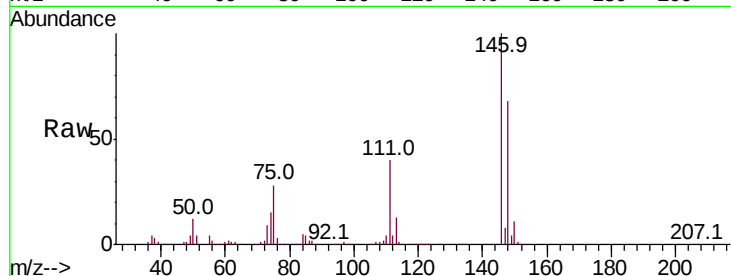




#91
 1,2-Dichlorobenzene
 Concen: 97.635 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

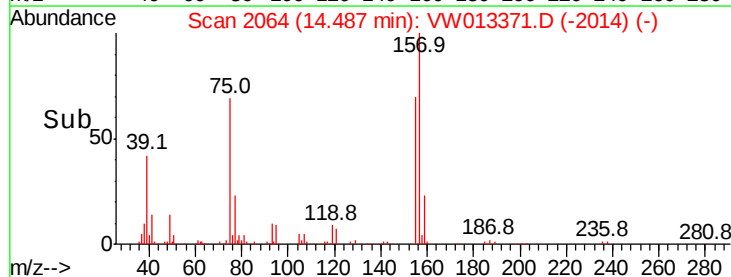
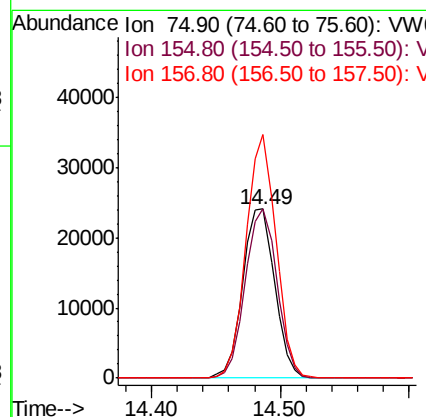
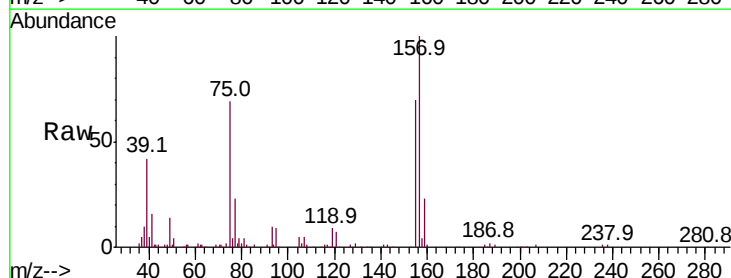
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

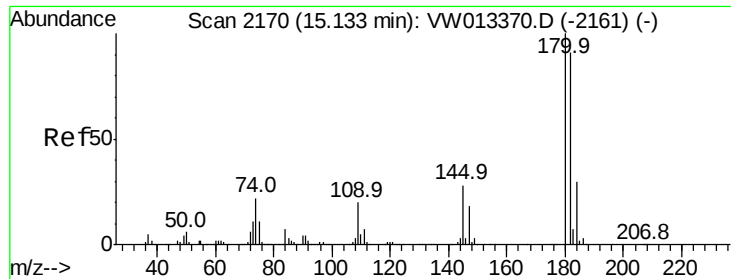
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.3
148	64.9	32.0	96.0



#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

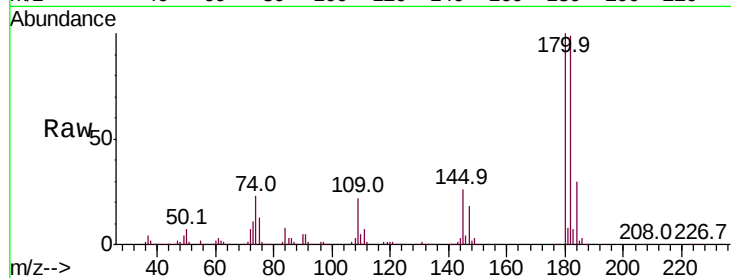




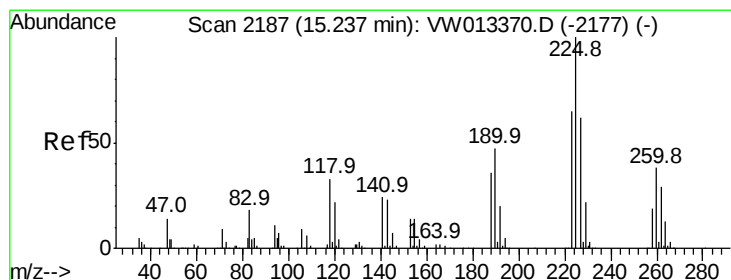
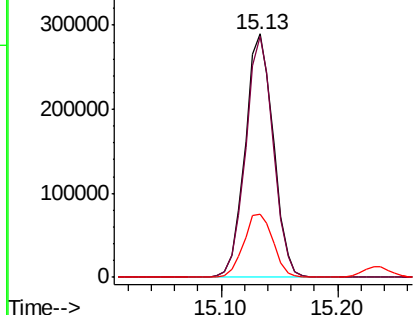
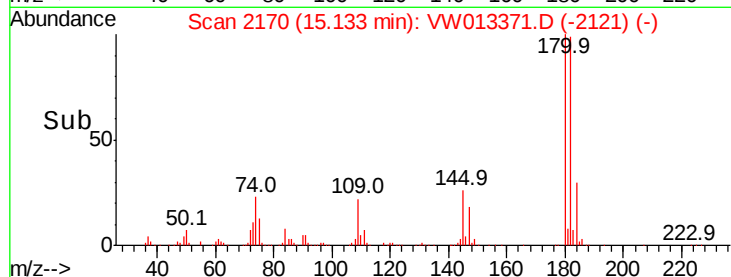
#93
 1,2,4-Trichlorobenzene
 Concen: 102.048 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

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

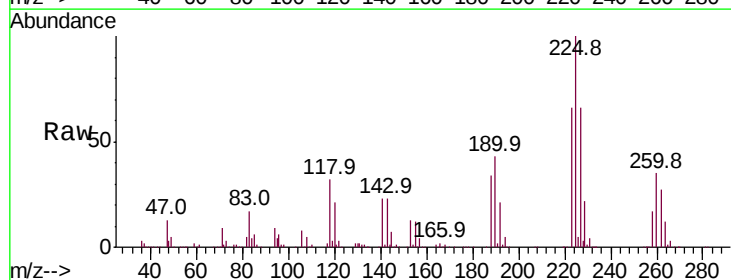


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

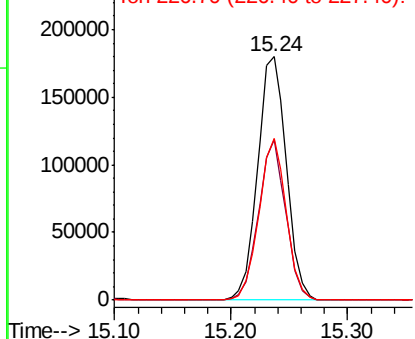
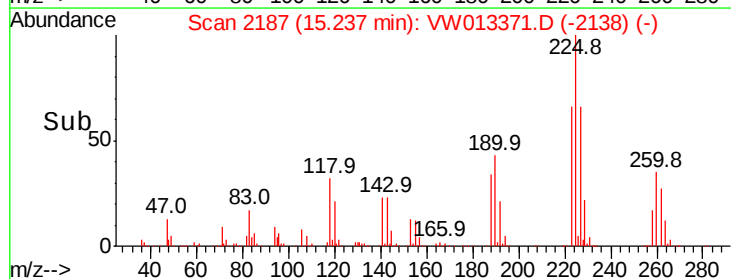


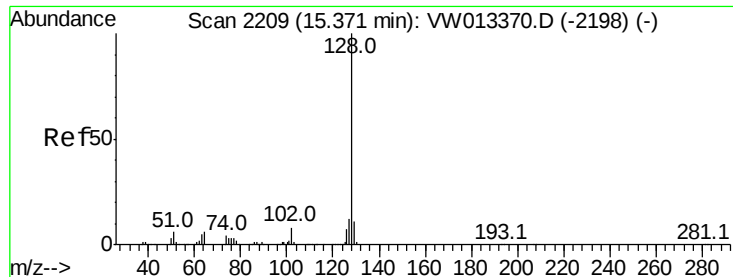
#94
 Hexachlorobutadiene
 Concen: 94.286 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013371.D
 Acq: 01 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
225	100		
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

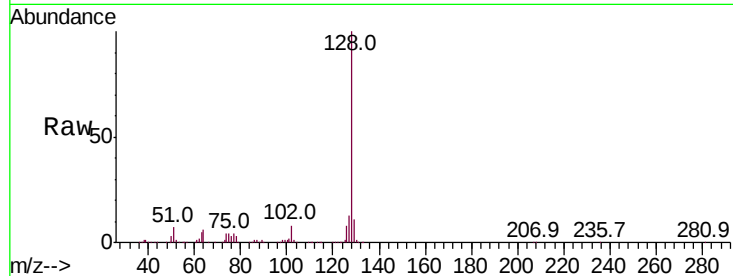
Tot Ion:128 Resp: 836048

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

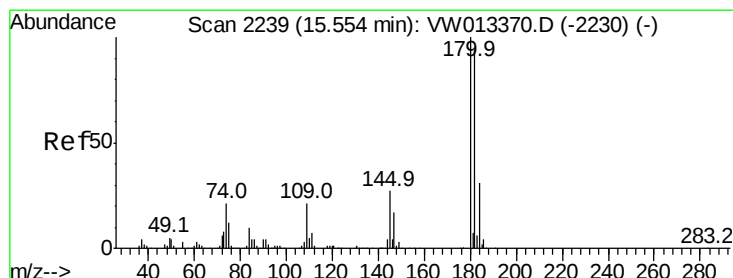
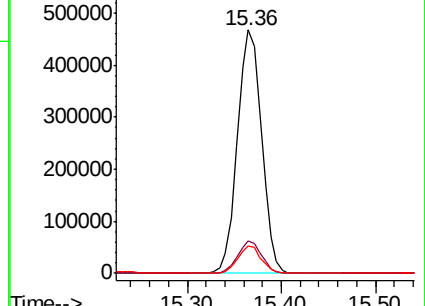
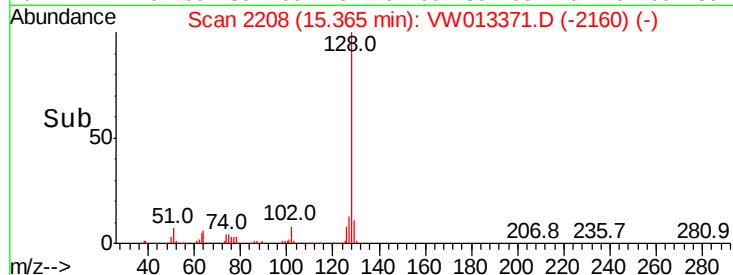
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#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

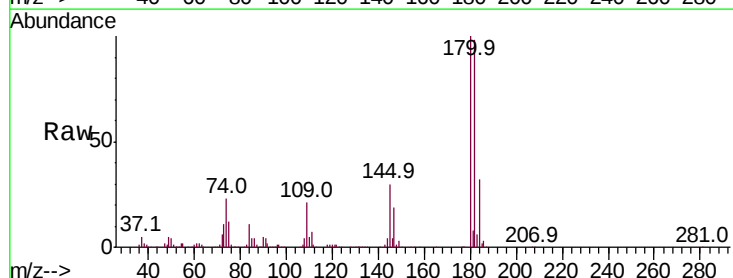
Tgt Ion:180 Resp: 418263

Ion Ratio Lower Upper

180 100

182 97.2 47.9 143.7

145 29.8 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

