

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067829.D
 Acq On : 01 Dec 2020 11:28
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 02 03:48:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	239462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	310289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	160876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	50677	19.71	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.42%#
35) Dibromofluoromethane	7.92	113	44913	19.85	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	39.70%#
50) Toluene-d8	10.34	98	162485	19.95	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	39.90%#
62) 4-Bromofluorobenzene	12.64	95	54959	19.52	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	39.04%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39339	18.877	ug/l	91
3) Chloromethane	2.21	50	23644	19.659	ug/l	97
4) Vinyl Chloride	2.35	62	28377	18.734	ug/l	98
5) Bromomethane	2.76	94	26637	19.699	ug/l	90
6) Chloroethane	2.91	64	19065	19.332	ug/l	96
7) Trichlorofluoromethane	3.27	101	93419	20.155	ug/l	91
8) Diethyl Ether	3.71	74	17633	19.519	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	43435	20.551	ug/l	98
10) Methyl Iodide	4.30	142	42180	18.828	ug/l	96
11) Tert butyl alcohol	5.20	59	20238	101.708	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	40926	20.625	ug/l	86
13) Acrolein	3.93	56	8826	98.993	ug/l	96
14) Allyl chloride	4.72	41	35739	19.469	ug/l	97
15) Acrylonitrile	5.42	53	33470	106.849	ug/l	97
16) Acetone	4.16	43	29107	92.622	ug/l	97
17) Carbon Disulfide	4.41	76	109362	19.740	ug/l	97
18) Methyl Acetate	4.72	43	12666	19.601	ug/l #	76
19) Methyl tert-butyl Ether	5.48	73	84586	19.907	ug/l	99
20) Methylene Chloride	4.97	84	47848	19.831	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	45503	20.152	ug/l	92
22) Diisopropyl ether	6.36	45	75866	20.549	ug/l #	93
23) Vinyl Acetate	6.30	43	207455	101.004	ug/l	99
24) 1,1-Dichloroethane	6.27	63	64080	19.800	ug/l	98
25) 2-Butanone	7.21	43	33753	101.021	ug/l	89
26) 2,2-Dichloropropane	7.20	77	75534	19.572	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	47907	19.398	ug/l	95
28) Bromochloromethane	7.54	49	20333	19.788	ug/l	94
29) Tetrahydrofuran	7.56	42	18868	107.878	ug/l	95
30) Chloroform	7.71	83	85876	19.855	ug/l	99
31) Cyclohexane	7.98	56	54450	20.104	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	94069	20.604	ug/l	98
36) 1,1-Dichloropropene	8.11	75	58662	20.042	ug/l	98
37) Ethyl Acetate	7.29	43	15492	22.667	ug/l	97
38) Carbon Tetrachloride	8.09	117	89827	20.284	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70010	20.184	ug/l	93
40) Benzene	8.36	78	164388	20.526	ug/l	99
41) Methacrylonitrile	7.56	41	22345	58.259	ug/l #	32
42) 1,2-Dichloroethane	8.43	62	57684	20.209	ug/l	98
43) Isopropyl Acetate	8.46	43	30759	19.817	ug/l	98
44) Trichloroethene	9.12	130	56718	20.598	ug/l	92
45) 1,2-Dichloropropane	9.39	63	33393	20.315	ug/l #	89
46) Dibromomethane	9.48	93	23480	20.545	ug/l	95
47) Bromodichloromethane	9.67	83	66416	20.384	ug/l	94
48) Methyl methacrylate	9.46	41	15949	20.236	ug/l	97
49) 1,4-Dioxane	9.47	88	5496	420.855	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	76796	104.539	ug/l	100
52) Toluene	10.41	92	117587	21.000	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	57259	20.361	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	64581	21.112	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	32525	20.795	ug/l	98
56) Ethyl methacrylate	10.67	69	32199	20.234	ug/l	98
57) 1,3-Dichloropropane	10.95	76	52160	21.053	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	66422	91.729	ug/l	98
59) 2-Hexanone	10.98	43	54672	105.572	ug/l	98
60) Dibromochloromethane	11.14	129	48230	20.457	ug/l	98
61) 1,2-Dibromoethane	11.26	107	32106	20.874	ug/l	99
64) Tetrachloroethene	10.88	164	51254	20.251	ug/l	93
65) Chlorobenzene	11.67	112	130790	20.428	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	53160	20.357	ug/l	98
67) Ethyl Benzene	11.75	91	221379	20.298	ug/l	96
68) m/p-Xylenes	11.86	106	179909	41.834	ug/l	98
69) o-Xylene	12.18	106	78572	20.580	ug/l	100
70) Styrene	12.20	104	138640	20.883	ug/l	98
71) Bromoform	12.37	173	28506	20.622	ug/l #	98
73) Isopropylbenzene	12.48	105	223427	20.195	ug/l	99
74) N-amyl acetate	12.29	43	27782	20.301	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	29156	19.961	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	42906	35.863	ug/l #	1
77) Bromobenzene	12.77	156	56910	20.691	ug/l	99
78) n-propylbenzene	12.83	91	252425	20.586	ug/l	98
79) 2-Chlorotoluene	12.91	91	149975	20.790	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	199940	20.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10147	20.718	ug/l	98
82) 4-Chlorotoluene	13.01	91	162238	21.083	ug/l	100
83) tert-Butylbenzene	13.23	119	162898	19.985	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	197748	20.761	ug/l	100
85) sec-Butylbenzene	13.40	105	223211	20.517	ug/l	100
86) p-Isopropyltoluene	13.52	119	221992	20.820	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	109569	20.651	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	107878	20.324	ug/l	99
89) n-Butylbenzene	13.84	91	180573	20.385	ug/l	99
90) Hexachloroethane	14.11	117	39833	20.235	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	92782	20.163	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6064	19.893	ug/l	93

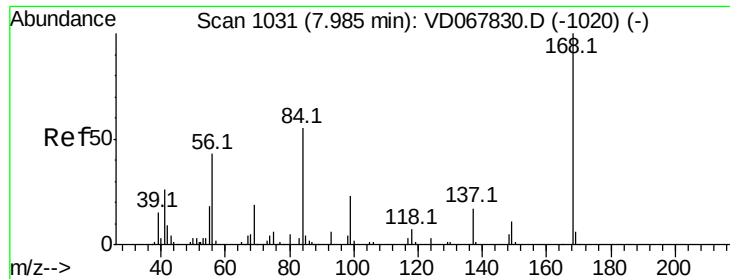
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	64255	19.963	ug/l	99
94) Hexachlorobutadiene	15.27	225	41642	19.826	ug/l	98
95) Naphthalene	15.40	128	102377	19.546	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	57581	20.715	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

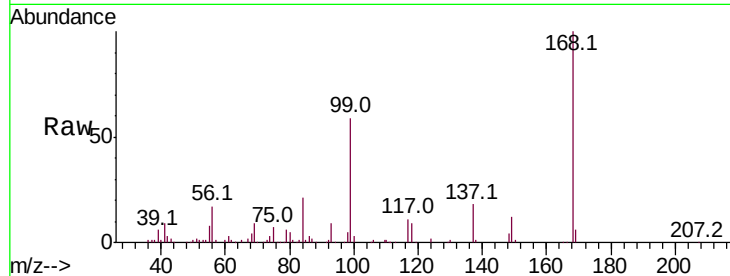
VSTDIC020

Tot Ion:168 Resp: 239462

Ion Ratio Lower Upper

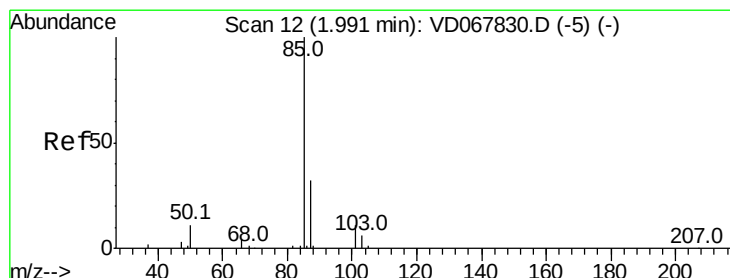
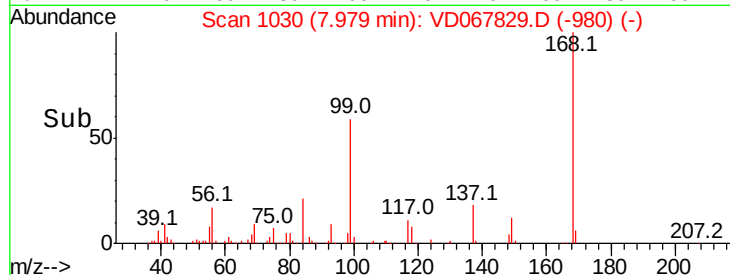
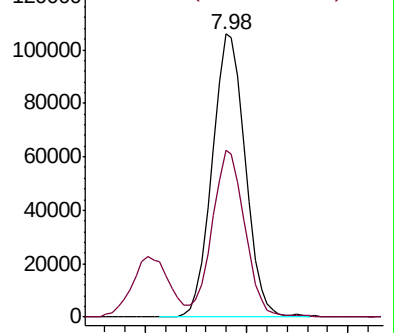
168 100

99 58.3 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.877 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067829.D

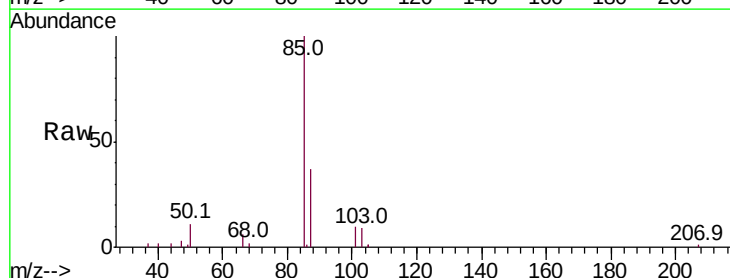
Acq: 01 Dec 2020 11:28

Tgt Ion: 85 Resp: 39339

Ion Ratio Lower Upper

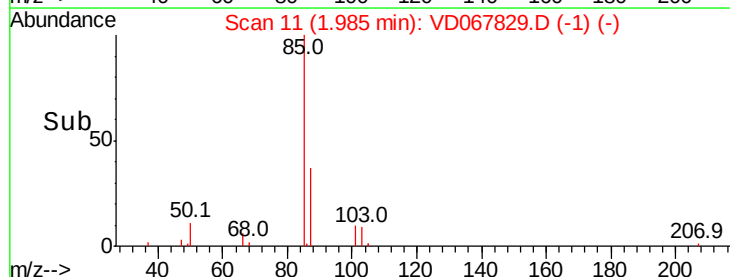
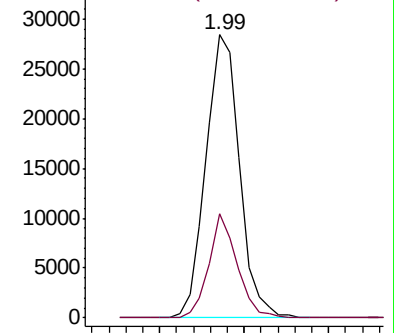
85 100

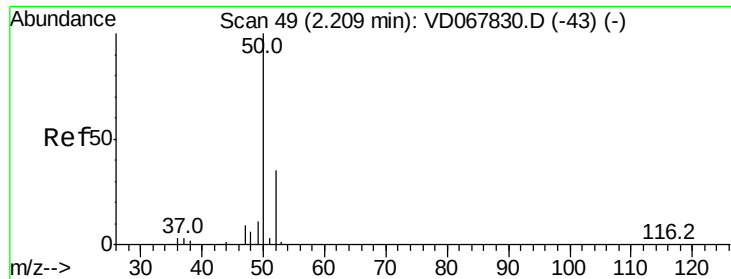
87 36.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.659 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

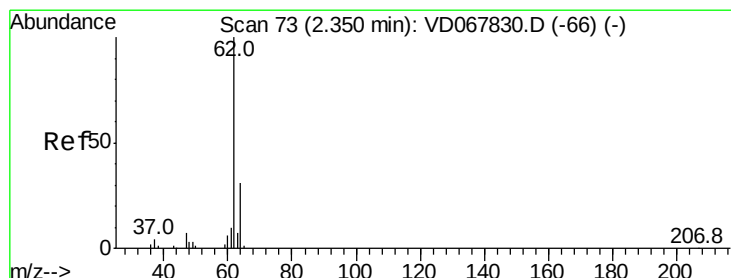
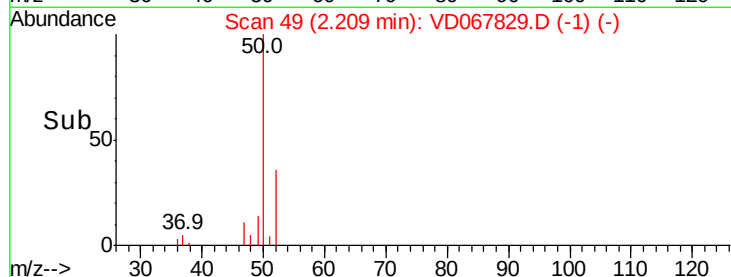
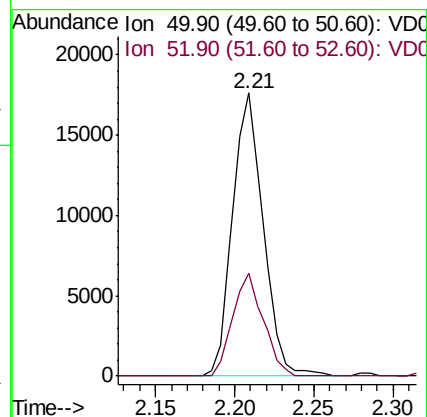
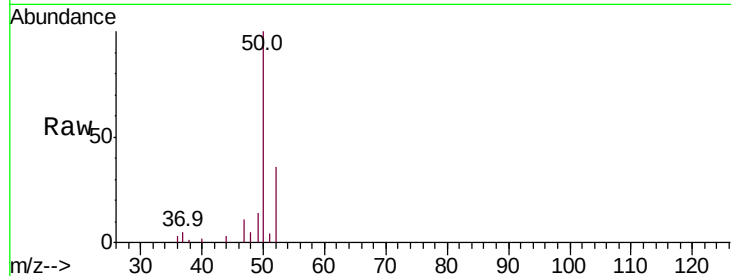
VSTDIC020

Tot Ion: 50 Resp: 23644

Ion Ratio Lower Upper

50 100

52 36.3 27.8 41.6



#4

Vinyl Chloride

Concen: 18.734 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067829.D

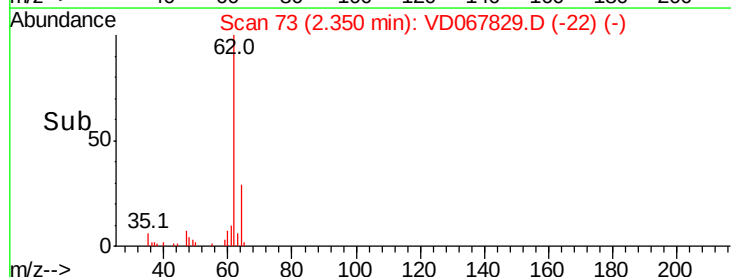
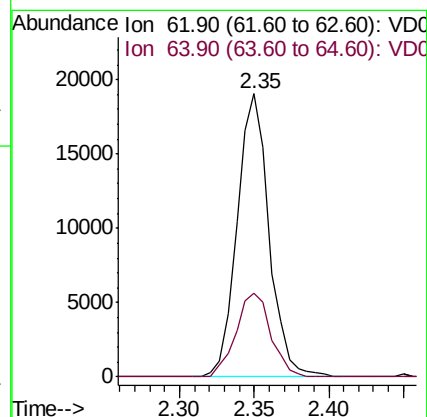
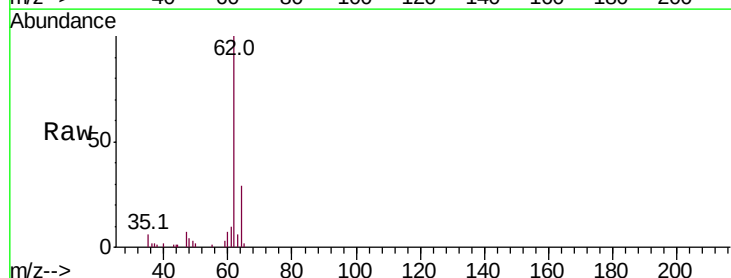
Acq: 01 Dec 2020 11:28

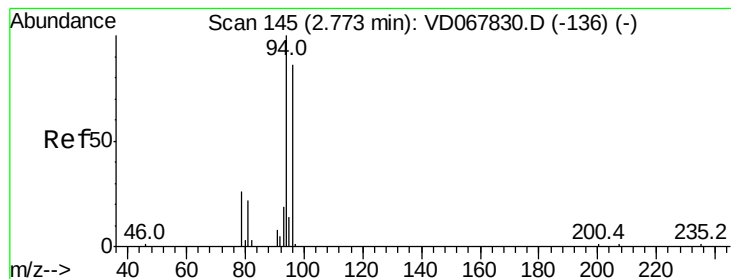
Tgt Ion: 62 Resp: 28377

Ion Ratio Lower Upper

62 100

64 29.5 24.5 36.7





#5

Bromomethane

Concen: 19.699 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

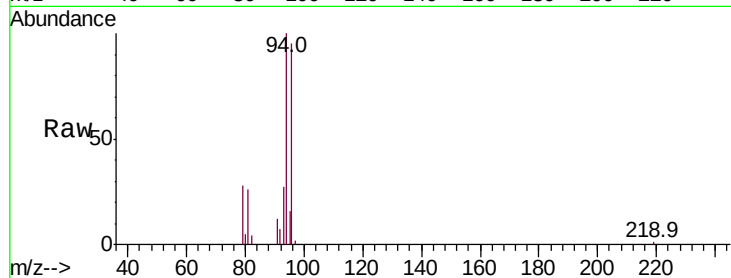
VSTDIC020

Tot Ion: 94 Resp: 26637

Ion Ratio Lower Upper

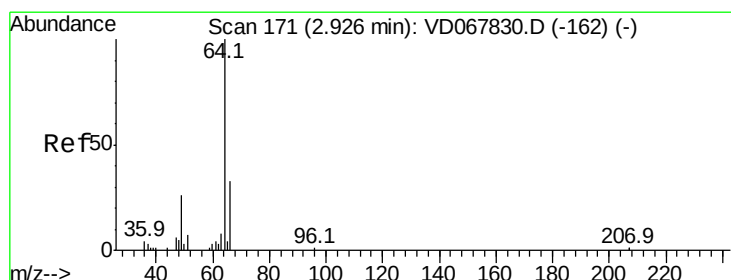
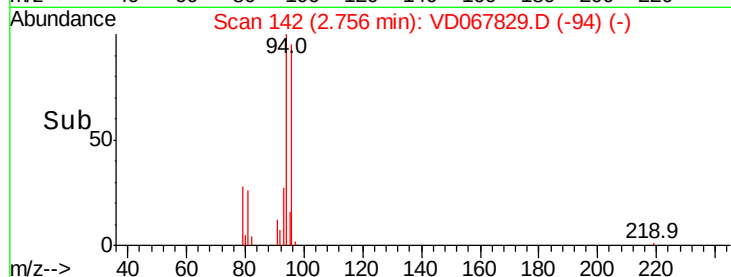
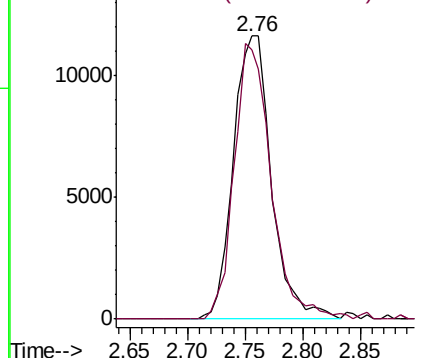
94 100

96 95.3 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.332 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067829.D

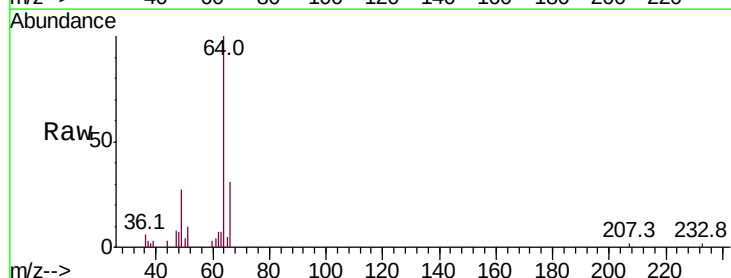
Acq: 01 Dec 2020 11:28

Tgt Ion: 64 Resp: 19065

Ion Ratio Lower Upper

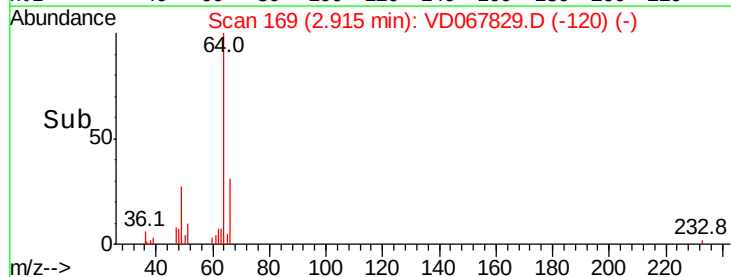
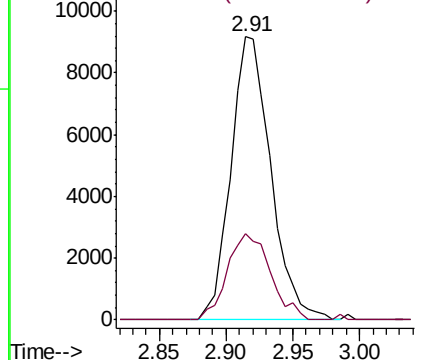
64 100

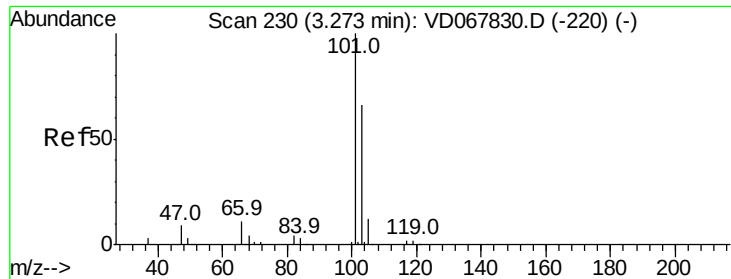
66 30.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



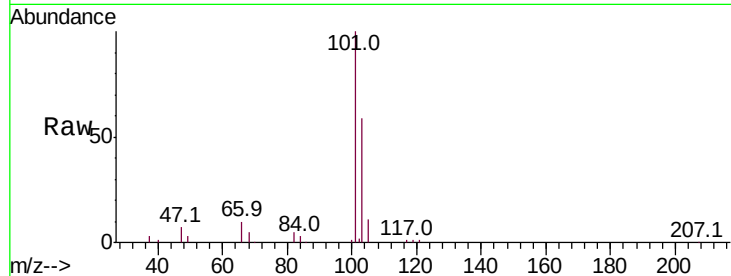


#7

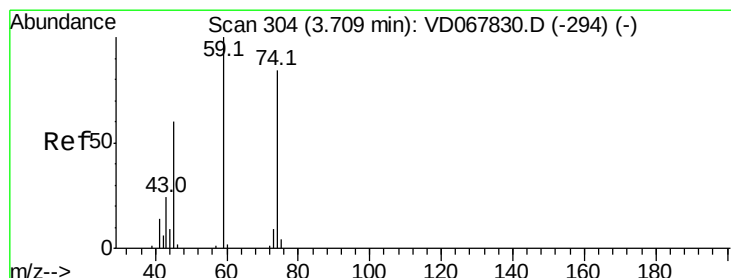
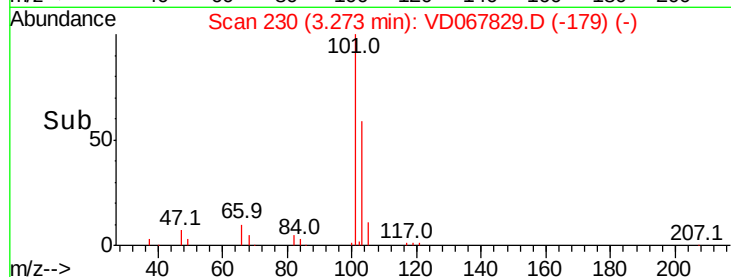
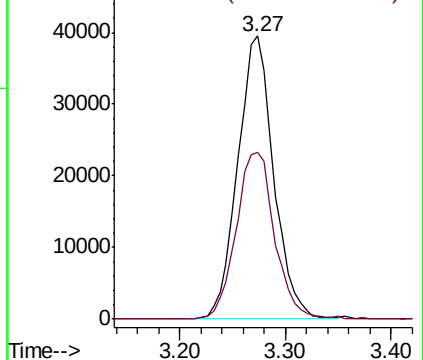
Trichlorofluoromethane
 Concen: 20.155 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:101 Resp: 93419
 Ion Ratio Lower Upper
 101 100
 103 58.8 53.0 79.6



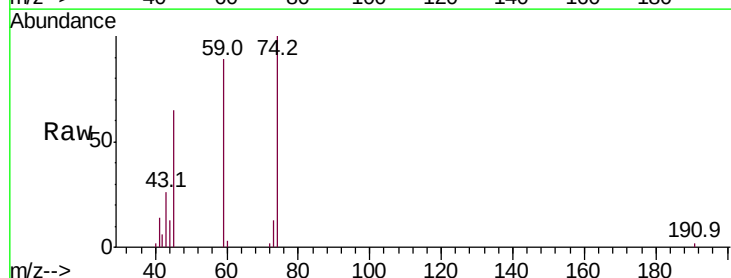
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



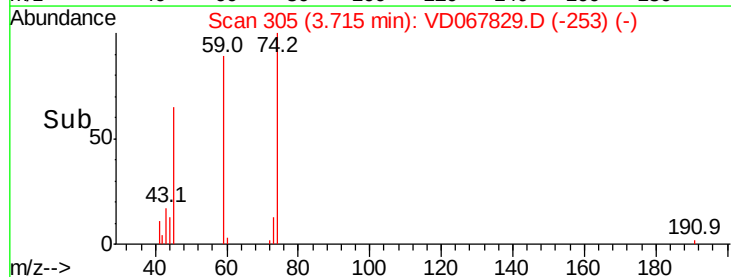
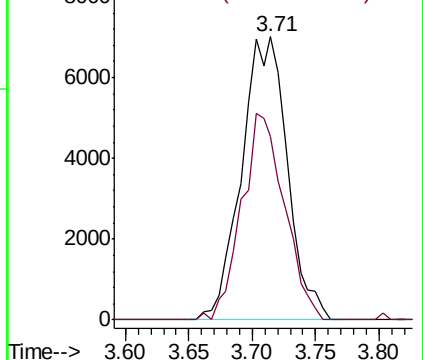
#8

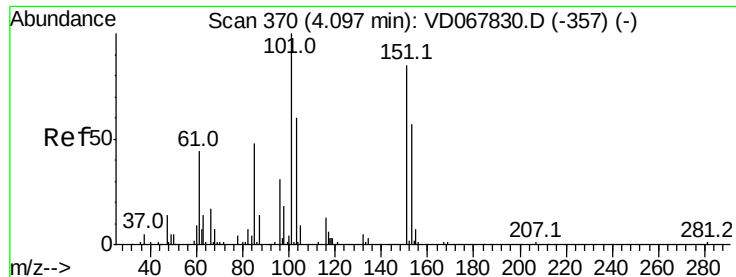
Diethyl Ether
 Concen: 19.519 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Tgt Ion: 74 Resp: 17633
 Ion Ratio Lower Upper
 74 100
 45 67.9 33.9 101.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.551 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

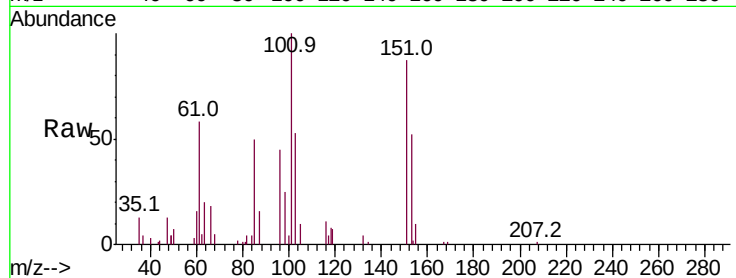
Tot Ion:101 Resp: 43435

Ion Ratio Lower Upper

101 100

85 47.0 36.2 54.4

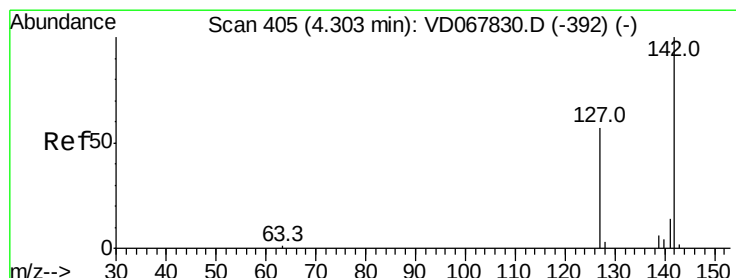
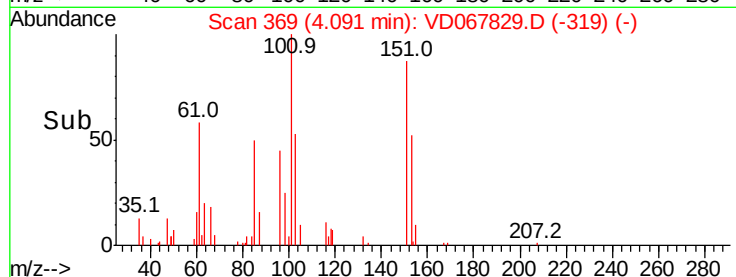
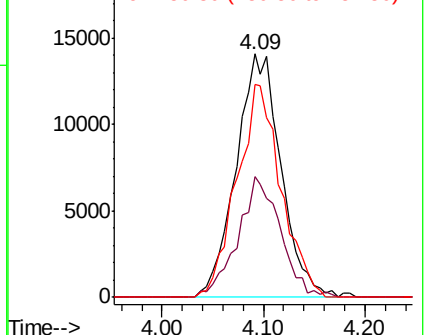
151 85.8 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.828 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

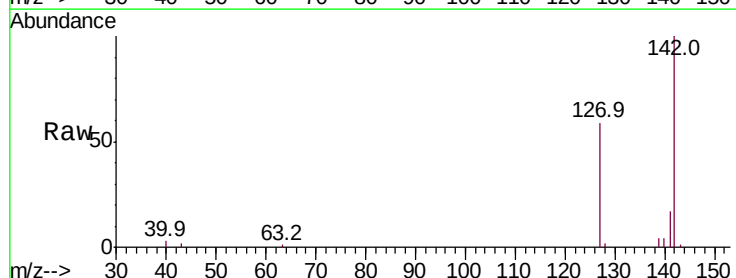
Tgt Ion:142 Resp: 42180

Ion Ratio Lower Upper

142 100

127 51.9 43.9 65.9

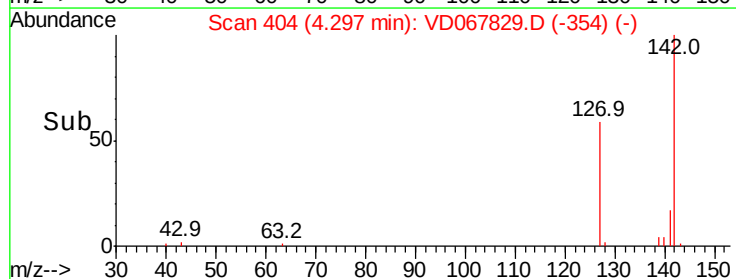
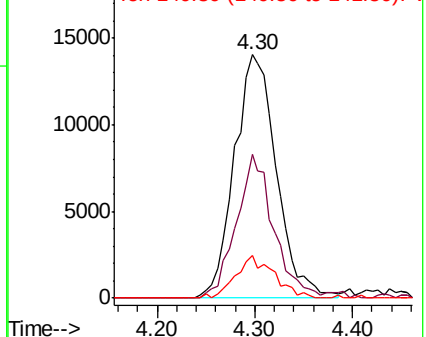
141 15.7 12.2 18.2

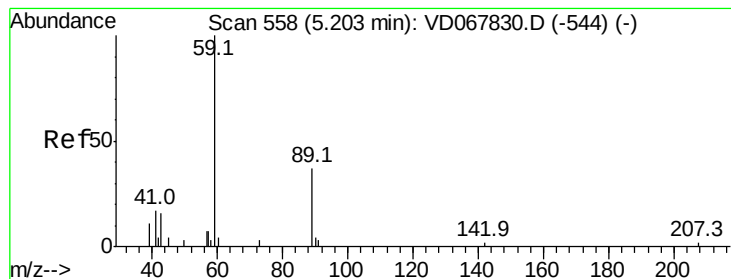


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



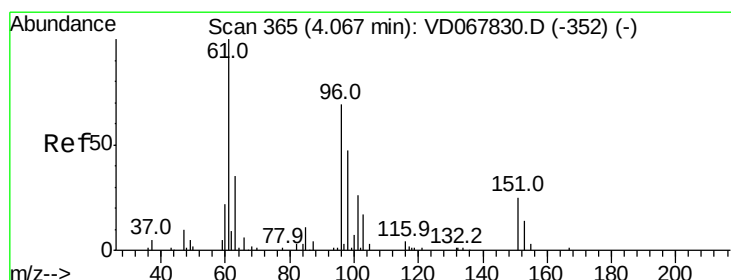
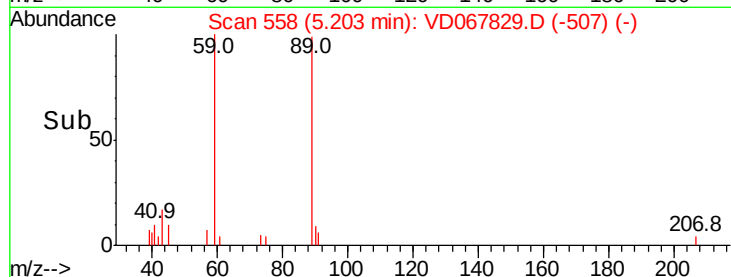
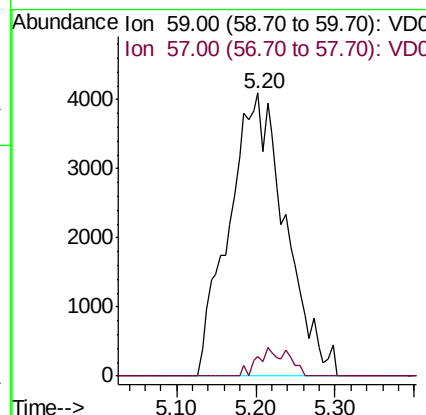
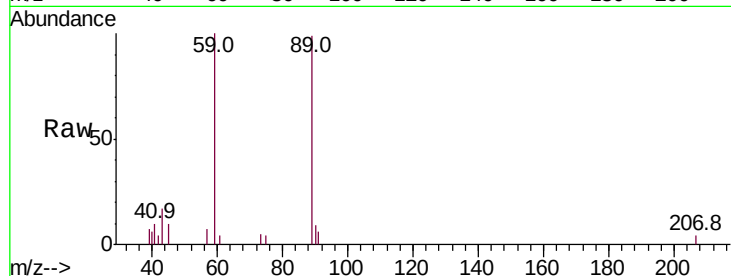


#11

Tert butyl alcohol
 Concen: 101.708 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

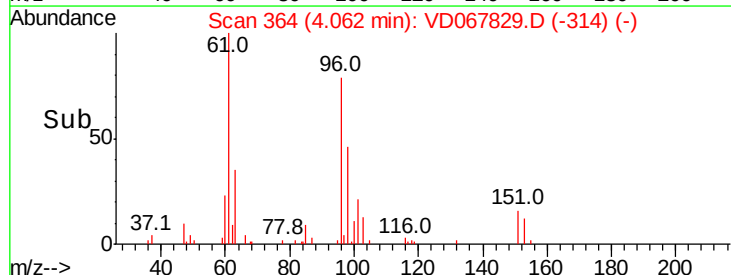
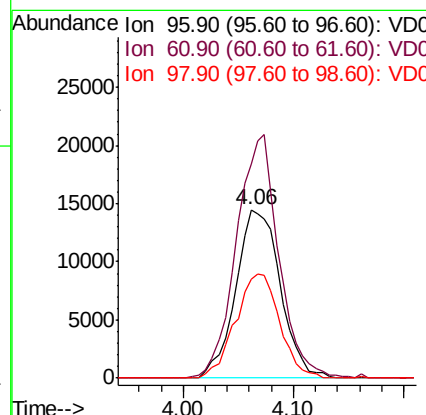
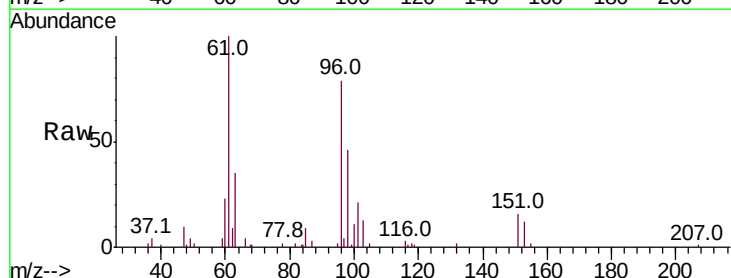
Tot Ion: 59 Resp: 20238
 Ion Ratio Lower Upper
 59 100
 57 3.8 7.7 11.5#

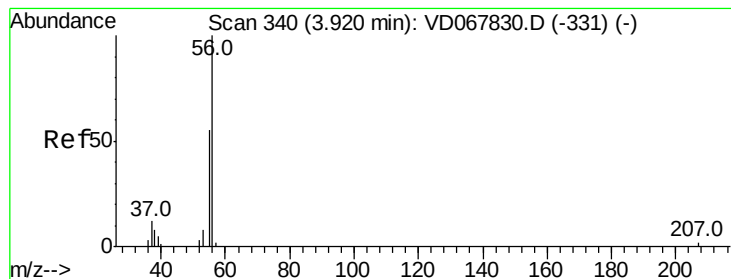


#12

1,1-Dichloroethene
 Concen: 20.625 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Tgt Ion: 96 Resp: 40926
 Ion Ratio Lower Upper
 96 100
 61 126.2 116.1 174.1
 98 59.1 54.6 82.0





#13

Acrolein

Concen: 98.993 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

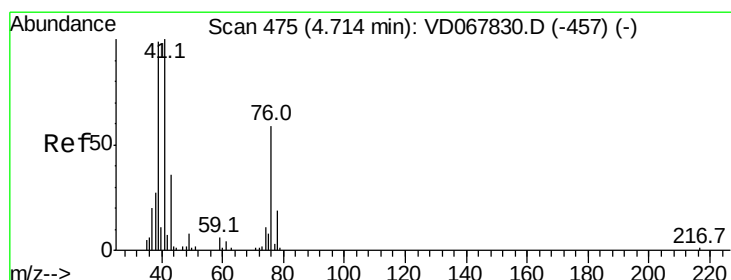
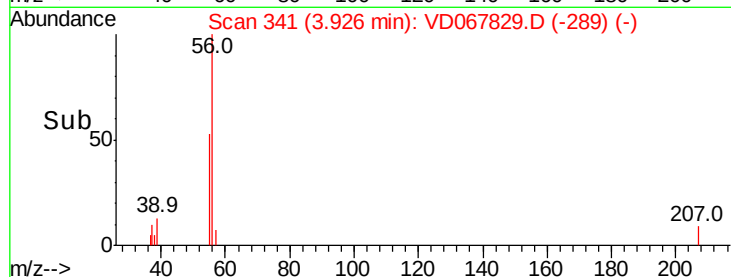
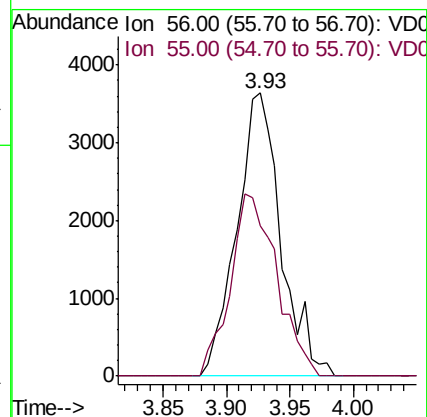
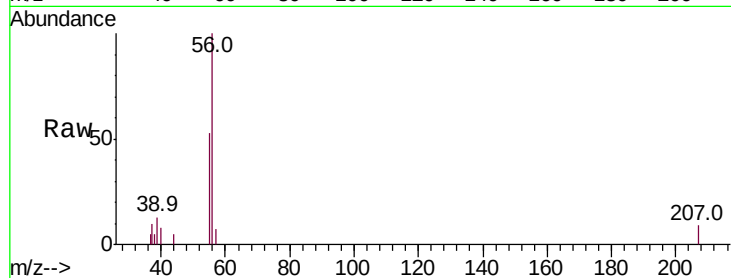
VSTDIC020

Tot Ion: 56 Resp: 8826

Ion Ratio Lower Upper

56 100

55 67.2 56.5 84.7



#14

Allyl chloride

Concen: 19.469 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

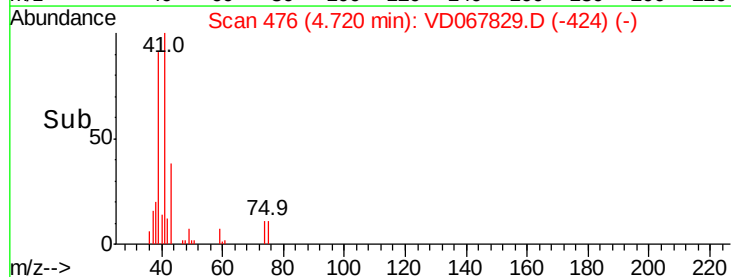
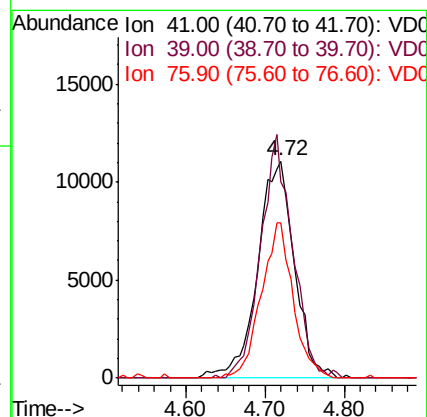
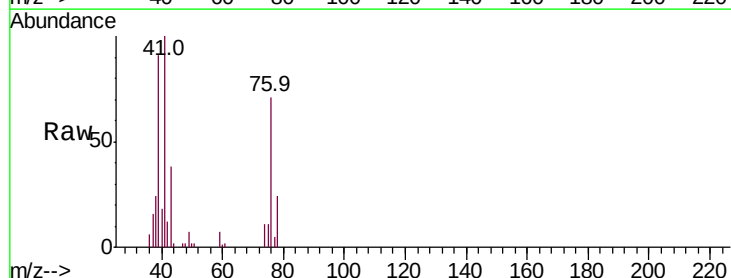
Tgt Ion: 41 Resp: 35739

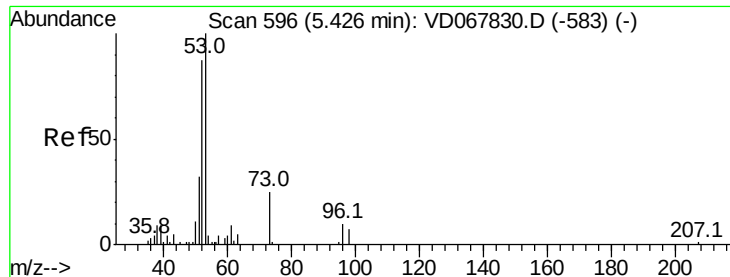
Ion Ratio Lower Upper

41 100

39 97.8 79.0 118.6

76 62.3 46.6 70.0





#15

Acrylonitrile

Concen: 106.849 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

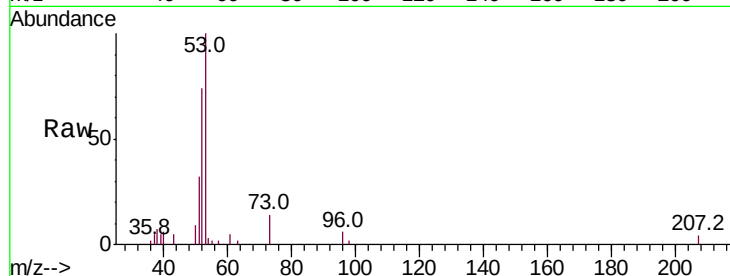
Tot Ion: 53 Resp: 33470

Ion Ratio Lower Upper

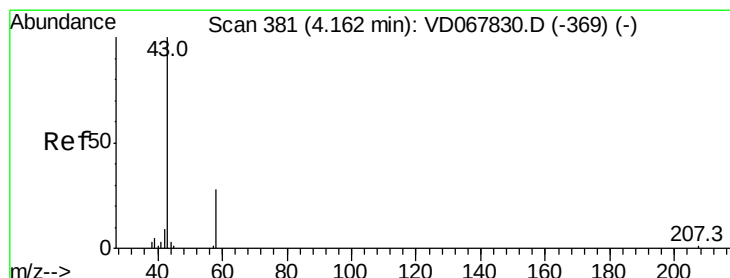
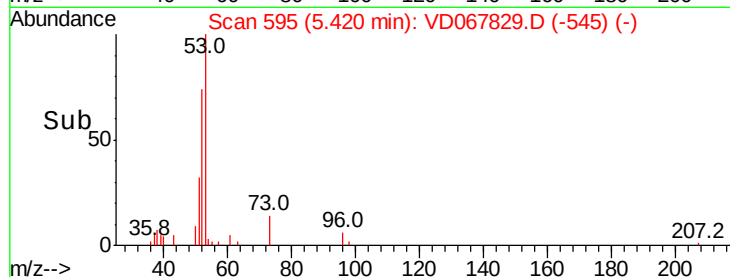
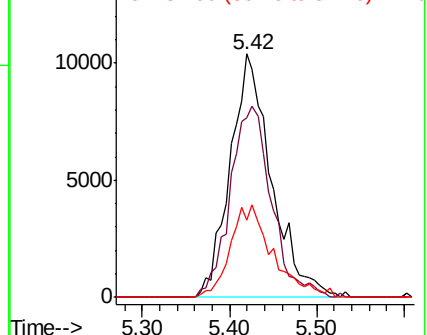
53 100

52 78.2 66.2 99.2

51 39.0 31.1 46.7



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



#16

Acetone

Concen: 92.622 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067829.D

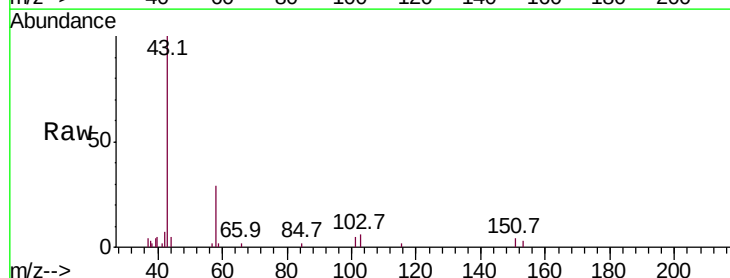
Acq: 01 Dec 2020 11:28

Tgt Ion: 43 Resp: 29107

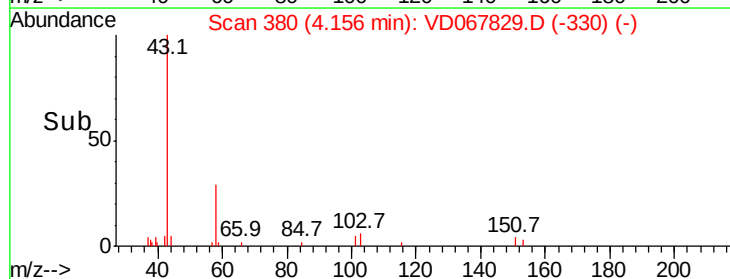
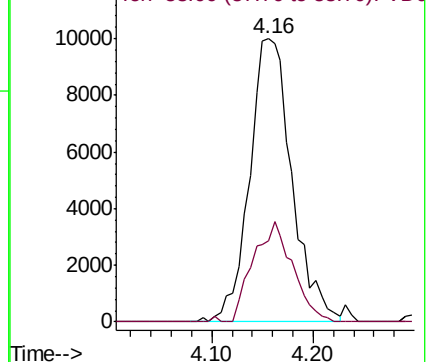
Ion Ratio Lower Upper

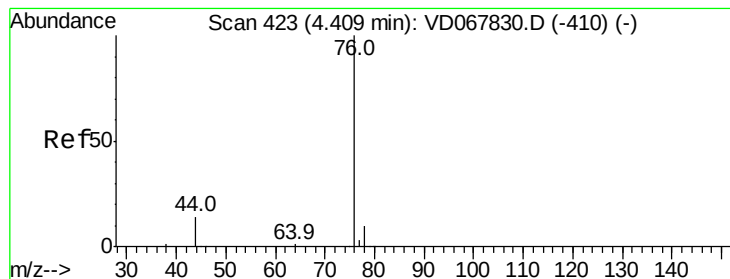
43 100

58 28.8 21.9 32.9



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





#17

Carbon Disulfide

Concen: 19.740 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

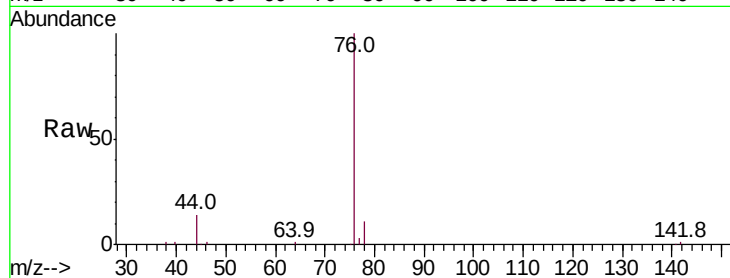
VSTDIC020

Tot Ion: 76 Resp: 109362

Ion Ratio Lower Upper

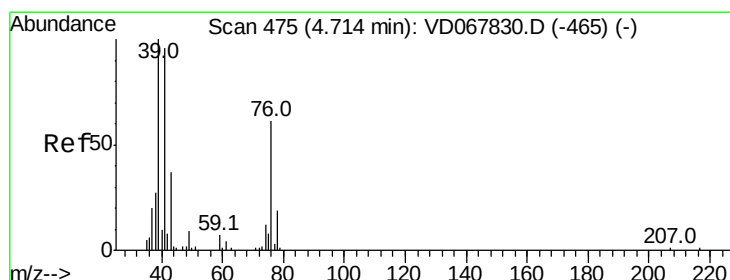
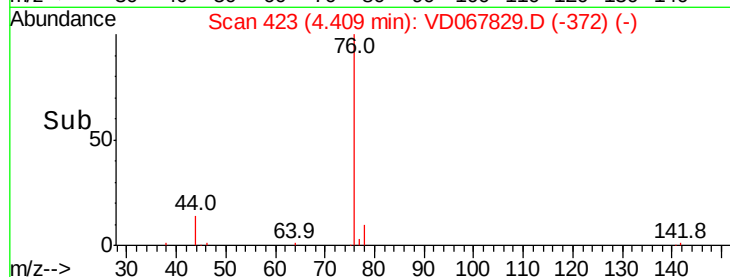
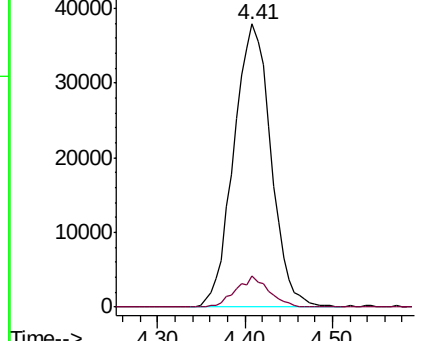
76 100

78 10.9 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.601 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067829.D

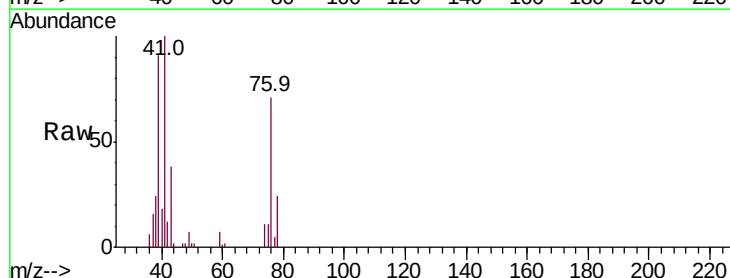
Acq: 01 Dec 2020 11:28

Tgt Ion: 43 Resp: 12666

Ion Ratio Lower Upper

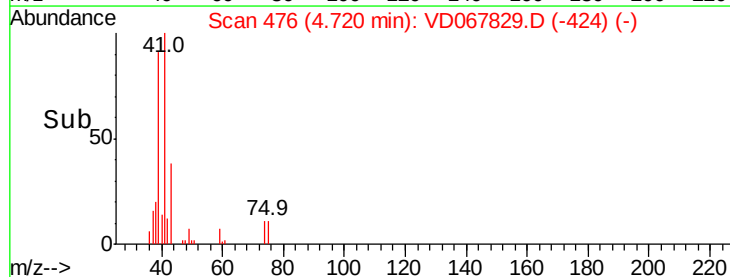
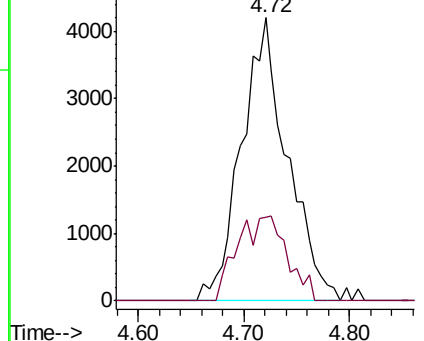
43 100

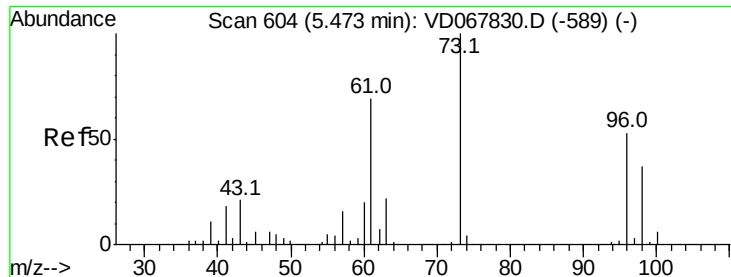
74 19.9 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

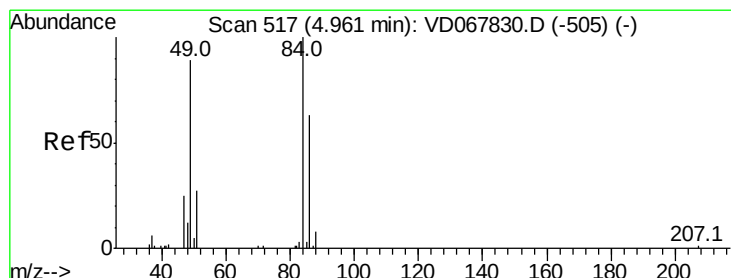
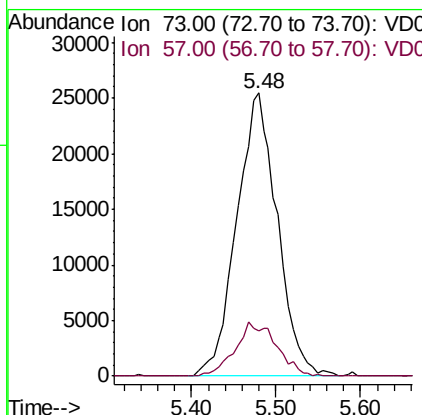
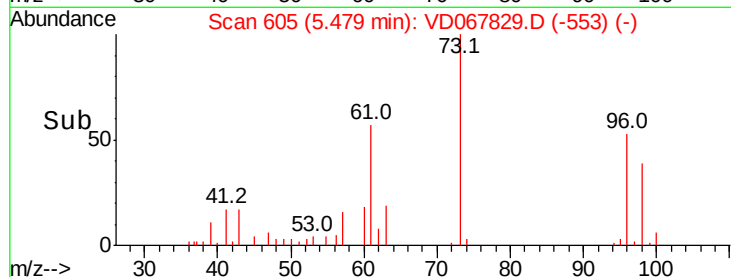
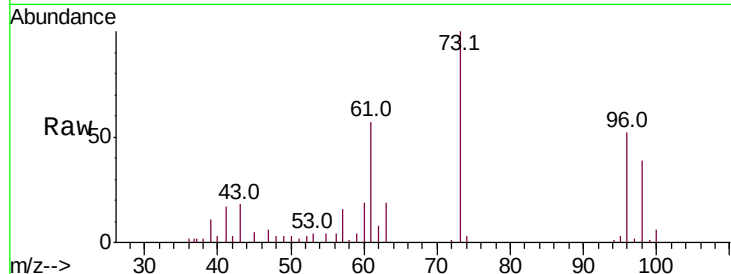




#19
Methyl tert-butyl Ether
Concen: 19.907 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

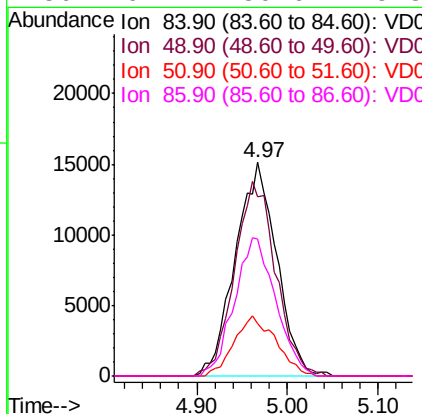
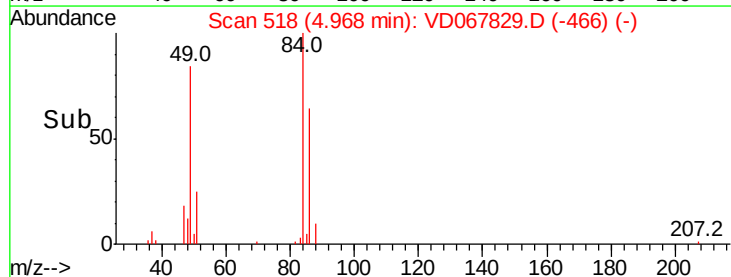
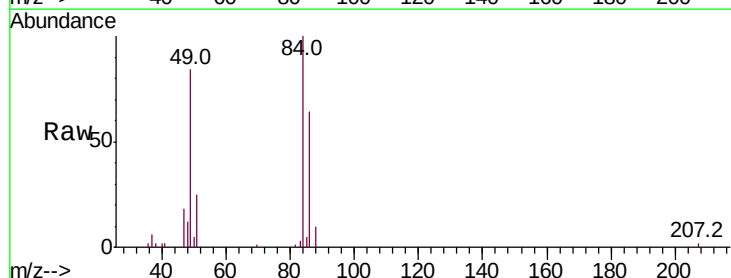
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

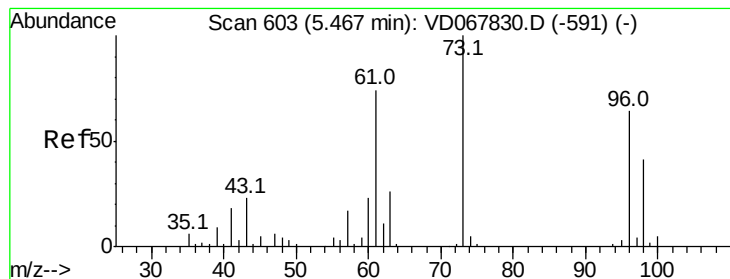
Tot Ion: 73 Resp: 84586
Ion Ratio Lower Upper
73 100
57 16.2 13.2 19.8



#20
Methylene Chloride
Concen: 19.831 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 84 Resp: 47848
Ion Ratio Lower Upper
84 100
49 83.7 71.4 107.0
51 24.9 21.8 32.8
86 64.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.152 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

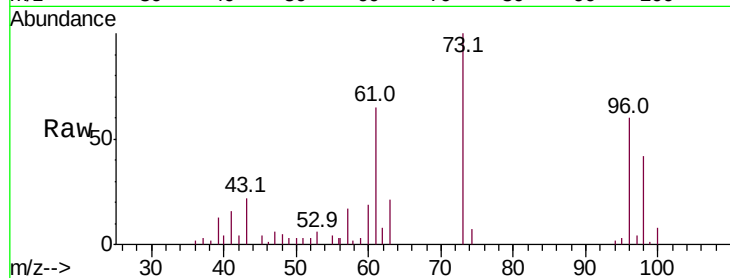
Tot Ion: 96 Resp: 45503

Ion Ratio Lower Upper

96 100

61 107.8 93.1 139.7

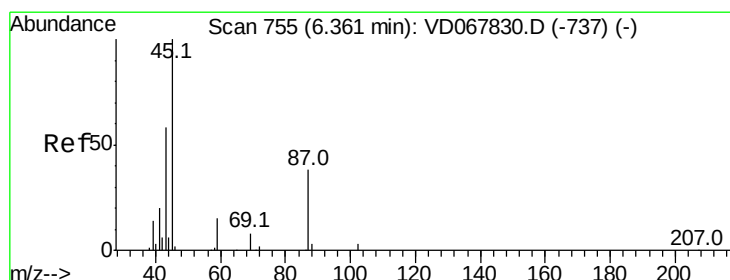
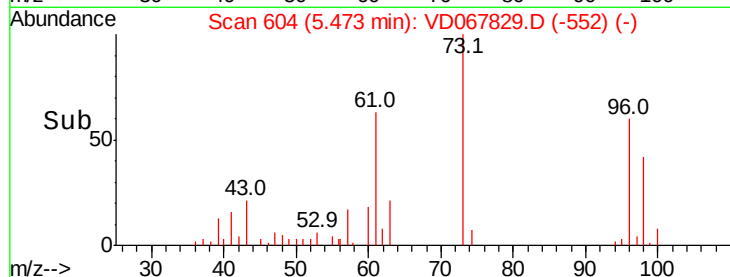
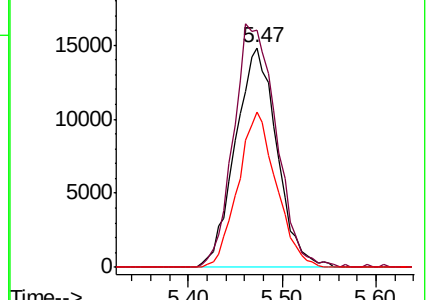
98 70.9 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.549 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Tgt Ion: 45 Resp: 75866

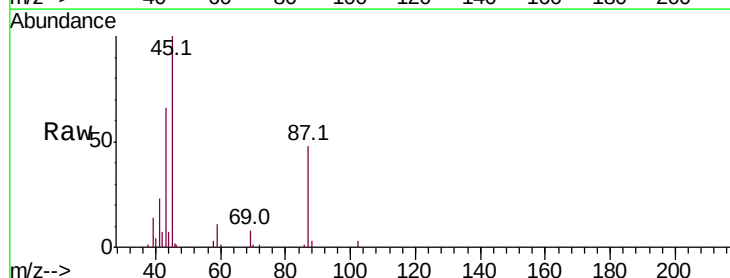
Ion Ratio Lower Upper

45 100

43 65.2 49.8 74.6

87 47.6 32.1 48.1

59 11.5 11.9 17.9#

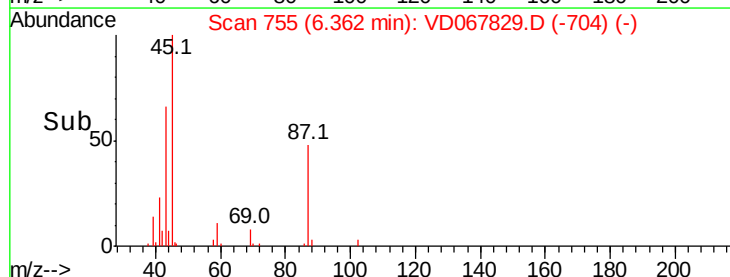
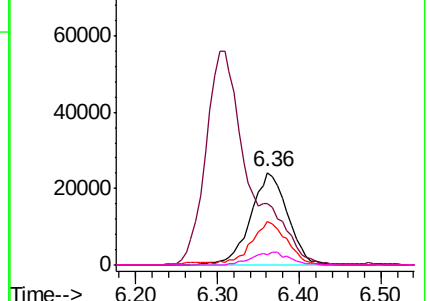


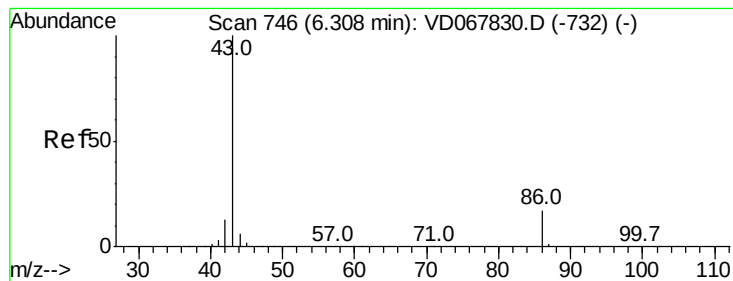
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 101.004 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

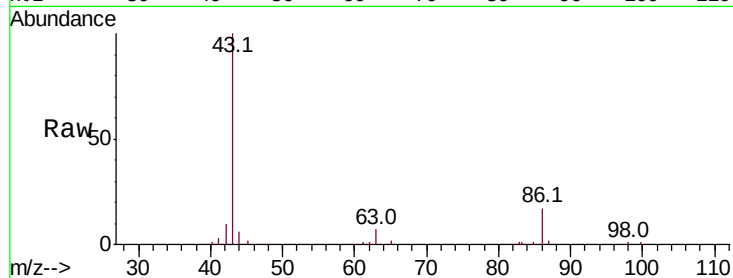
VSTDIC020

Tot Ion: 43 Resp: 207455

Ion Ratio Lower Upper

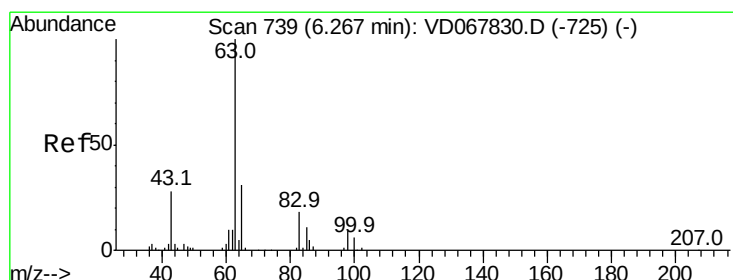
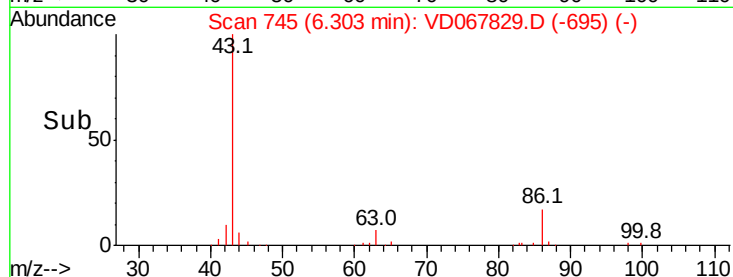
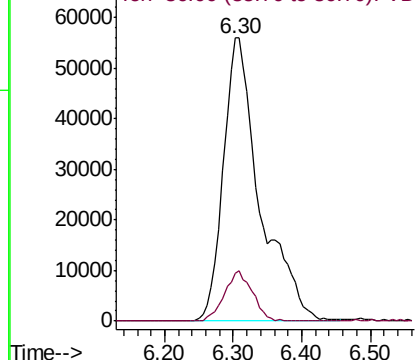
43 100

86 16.7 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.800 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

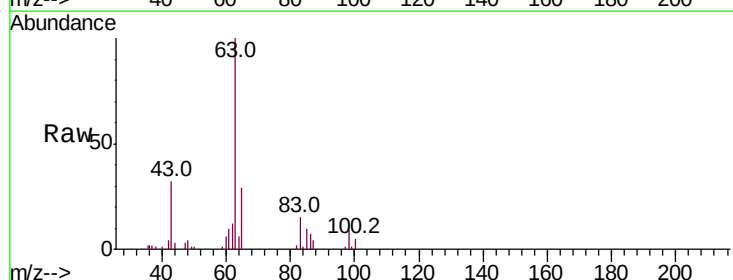
Tgt Ion: 63 Resp: 64080

Ion Ratio Lower Upper

63 100

98 8.6 4.5 13.5

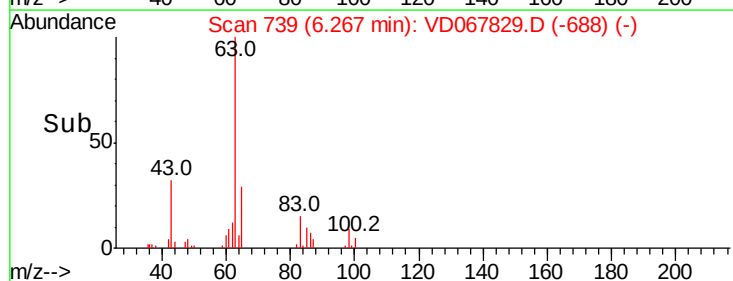
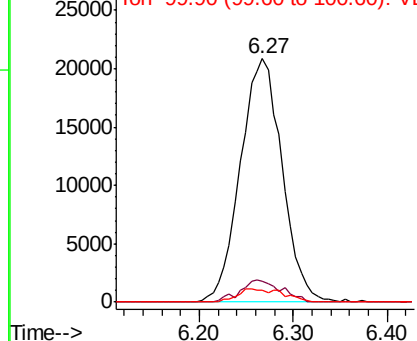
100 4.7 3.0 9.2

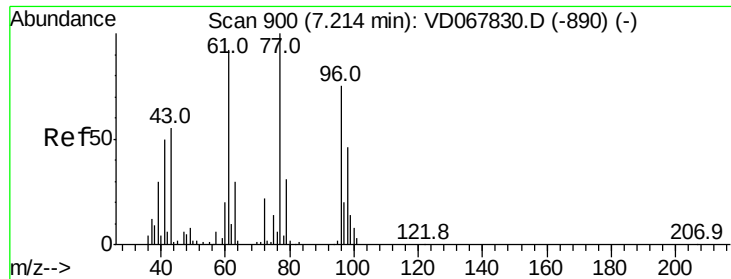


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

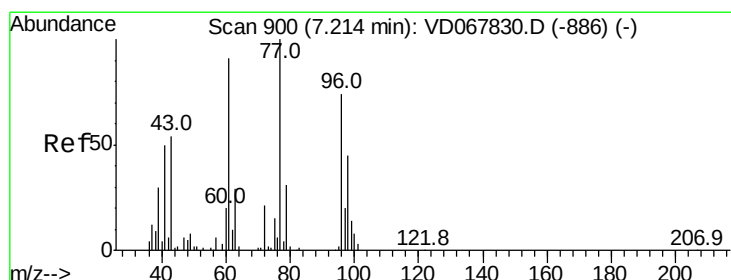
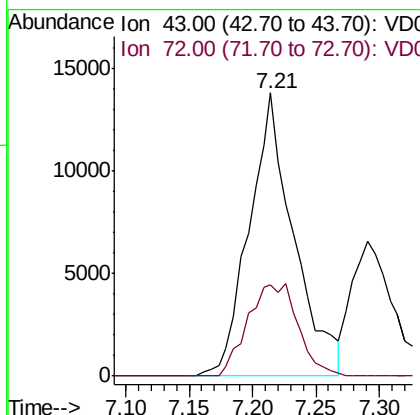
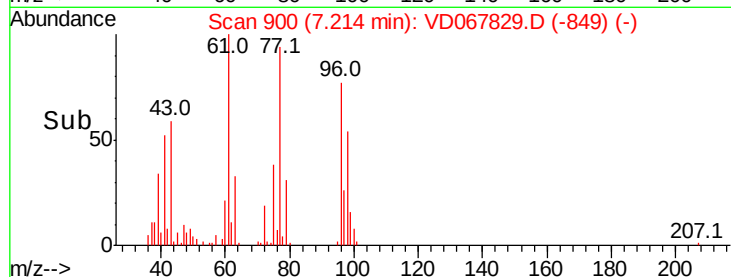
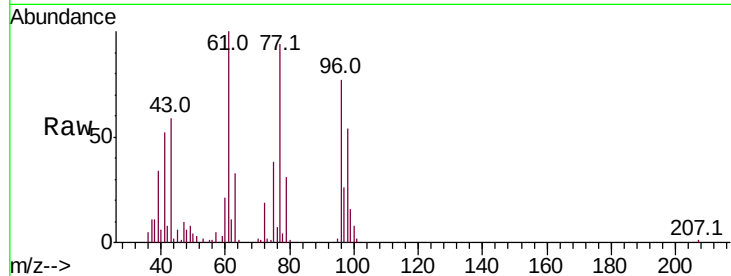




#25
2-Butanone
Concen: 101.021 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

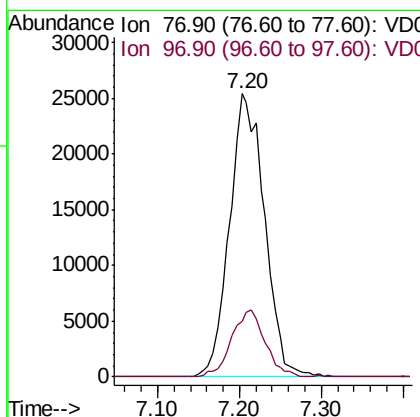
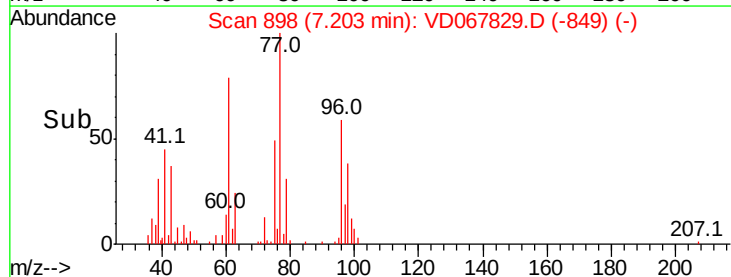
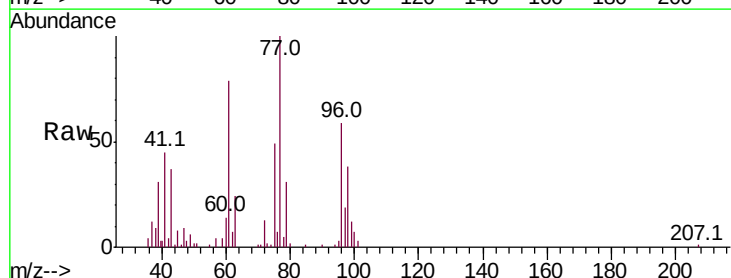
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

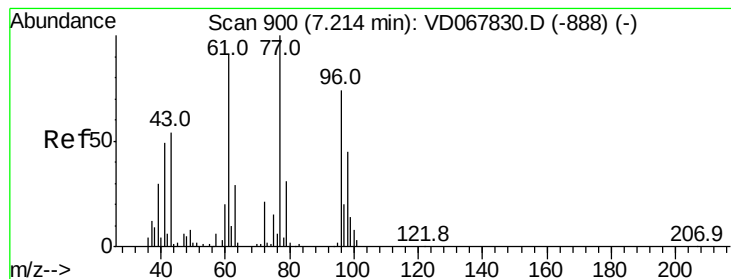
Tot Ion: 43 Resp: 33753
Ion Ratio Lower Upper
43 100
72 32.4 31.3 46.9



#26
2,2-Dichloropropane
Concen: 19.572 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 77 Resp: 75534
Ion Ratio Lower Upper
77 100
97 22.5 11.1 33.1



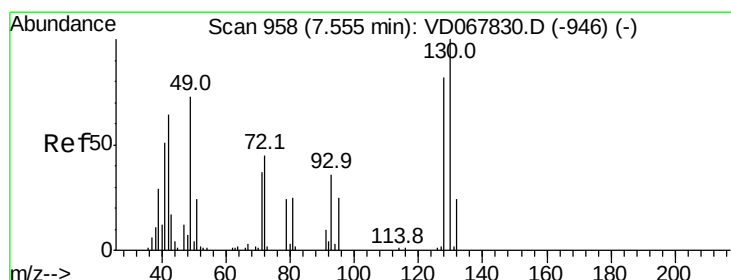
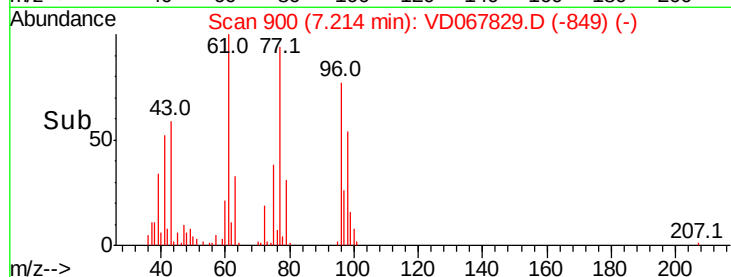
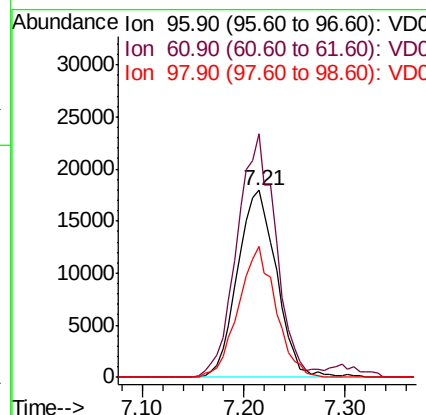
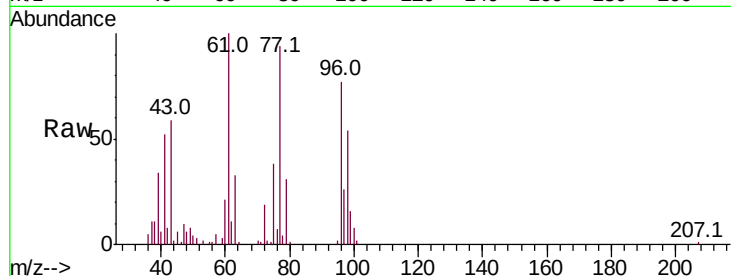


#27

cis-1,2-Dichloroethene
 Concen: 19.398 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

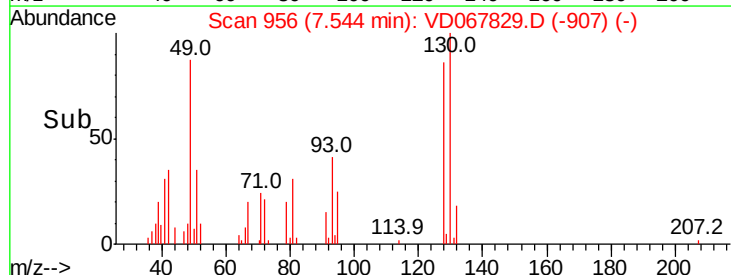
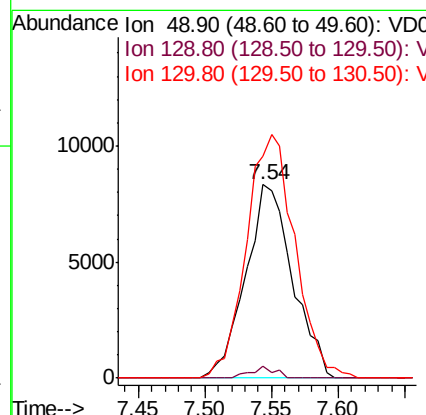
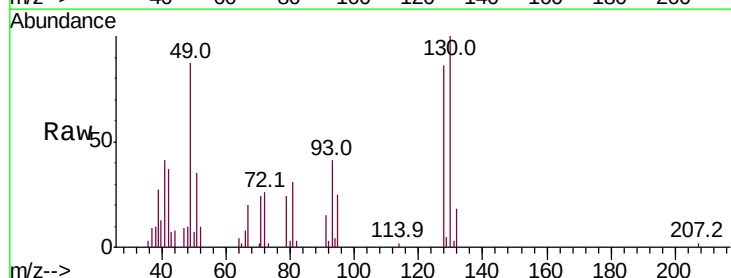
Tot Ion	96	Resp	47907
Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	248.4
98	67.0	0.0	127.4

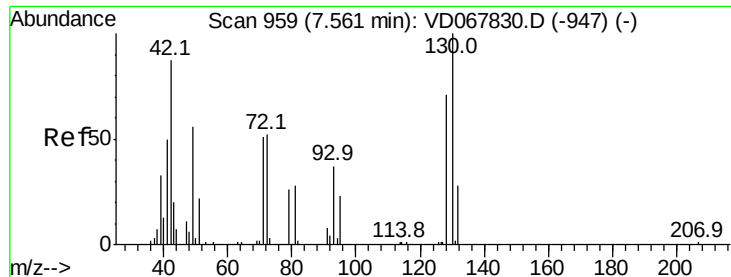


#28

Bromochloromethane
 Concen: 19.788 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Tgt Ion	49	Resp	20333
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	3.4
130	130.2	110.2	165.2

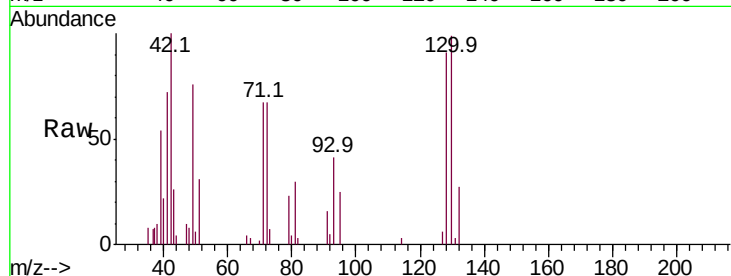




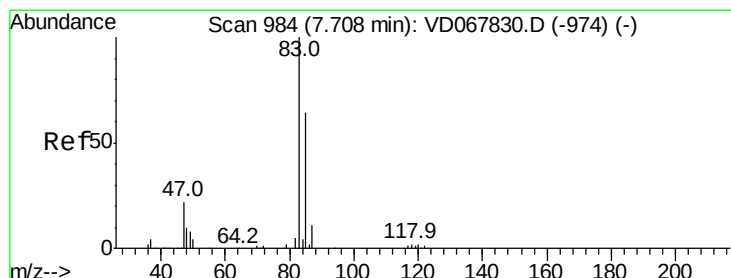
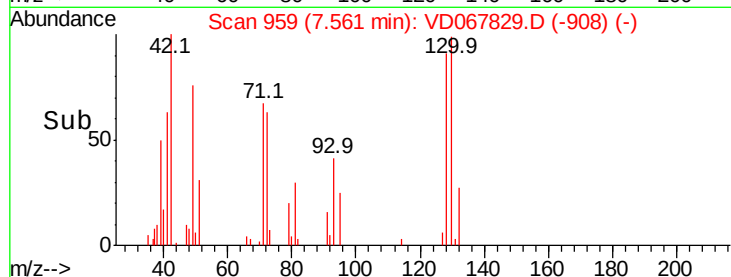
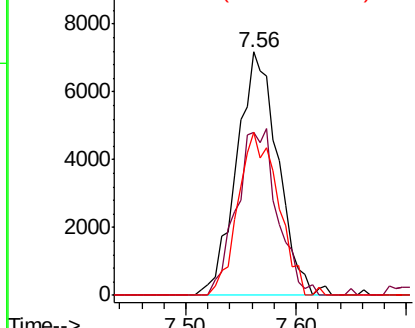
#29
Tetrahydrofuran
Concen: 107.878 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 18868
Ion Ratio Lower Upper
42 100
72 67.4 51.9 77.9
71 64.9 48.2 72.4

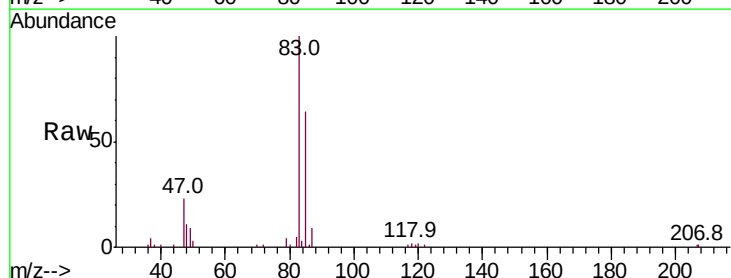


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

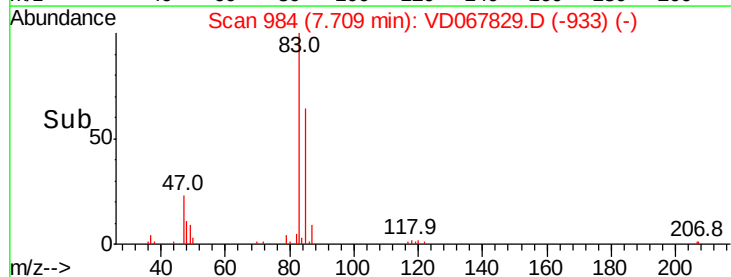
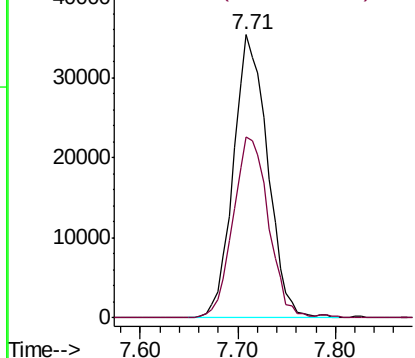


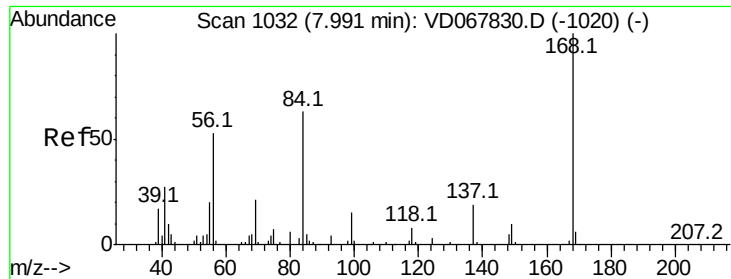
#30
Chloroform
Concen: 19.855 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 83 Resp: 85876
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

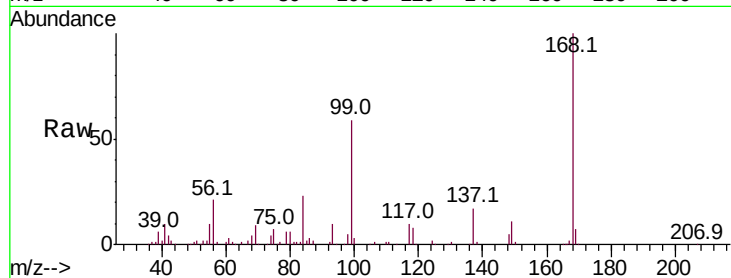




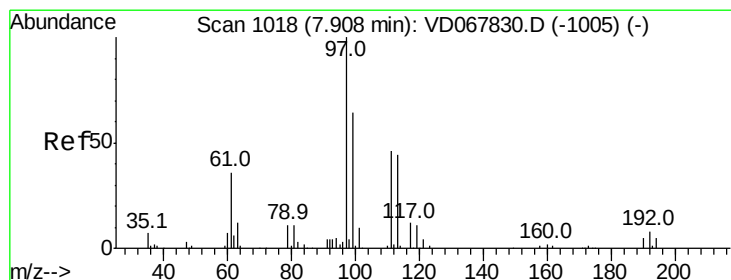
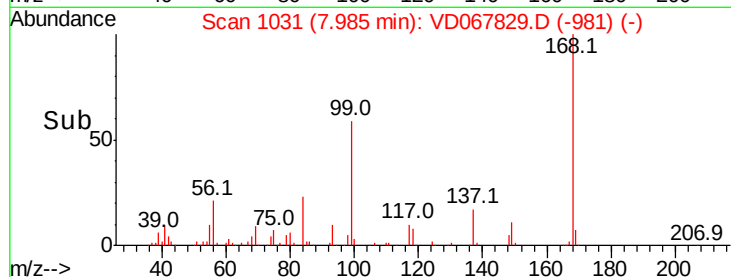
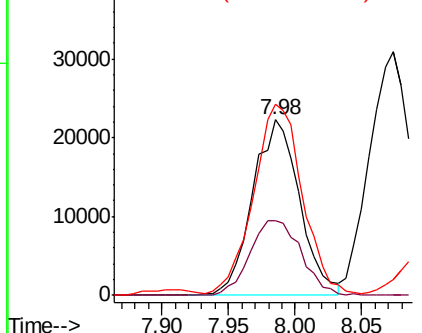
#31
Cyclohexane
Concen: 20.104 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 54450
Ion Ratio Lower Upper
56 100
69 42.6 32.1 48.1
84 106.8 93.2 139.8

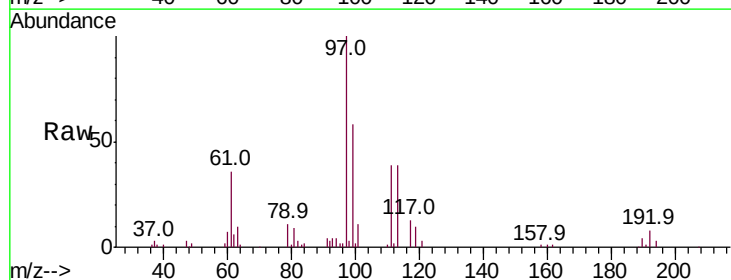


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

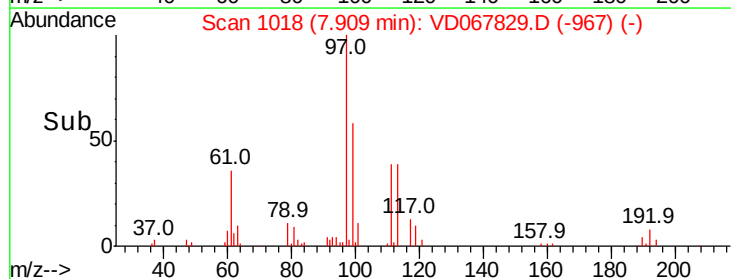
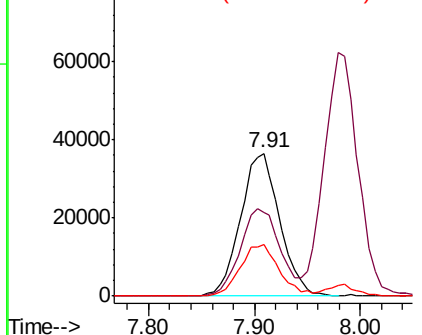


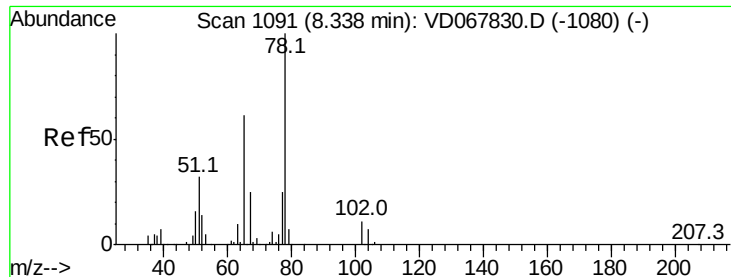
#32
1,1,1-Trichloroethane
Concen: 20.604 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 97 Resp: 94069
Ion Ratio Lower Upper
97 100
99 63.1 51.4 77.2
61 36.1 30.8 46.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.713 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

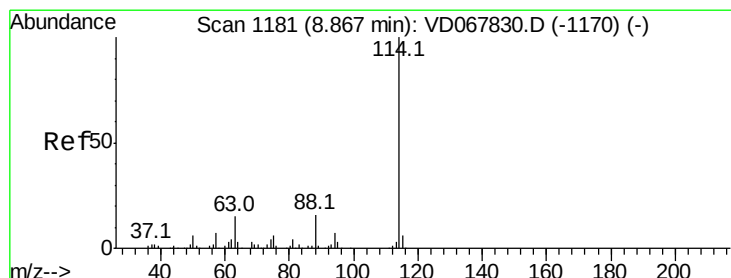
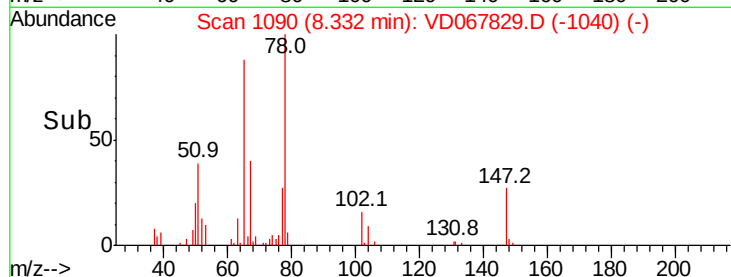
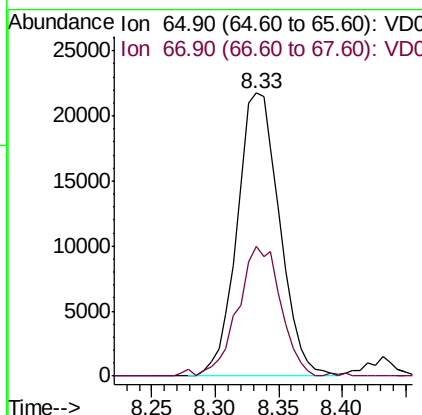
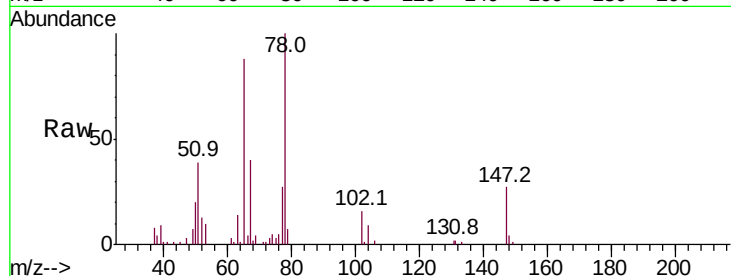
Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 65 Resp: 50677

Ion	Ratio	Lower	Upper
65	100		
67	46.1	0.0	92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

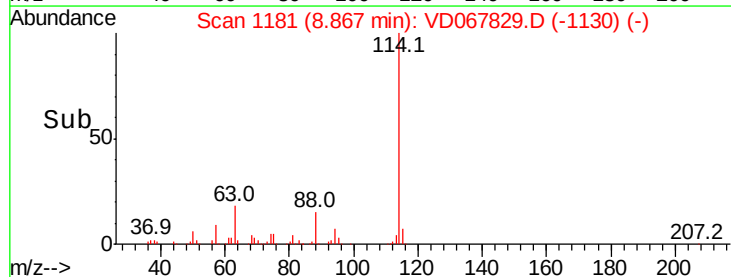
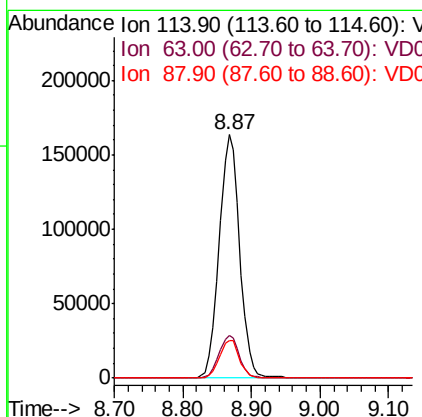
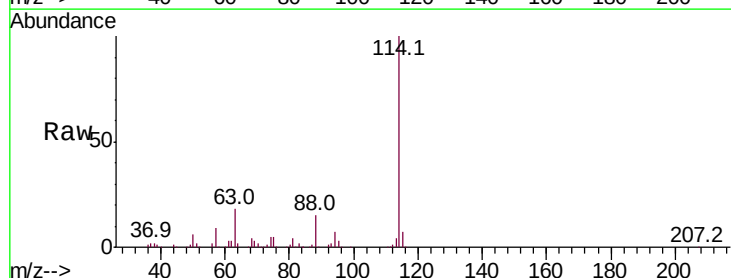
Delta R.T. 0.00 min

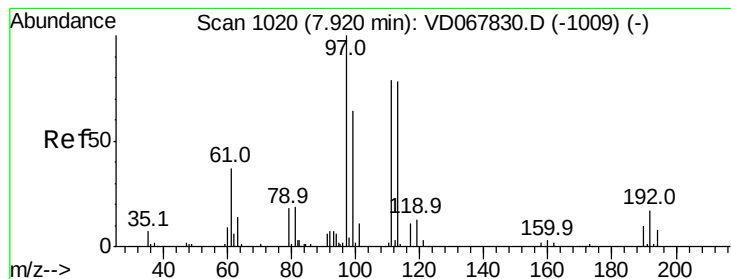
Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Tgt Ion: 114 Resp: 338101

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	30.8
88	15.4	0.0	31.8





#35

Dibromofluoromethane

Concen: 19.852 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

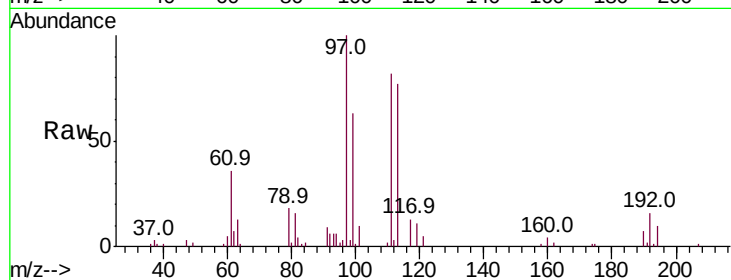
Tot Ion:113 Resp: 44913

Ion Ratio Lower Upper

113 100

111 103.6 81.2 121.8

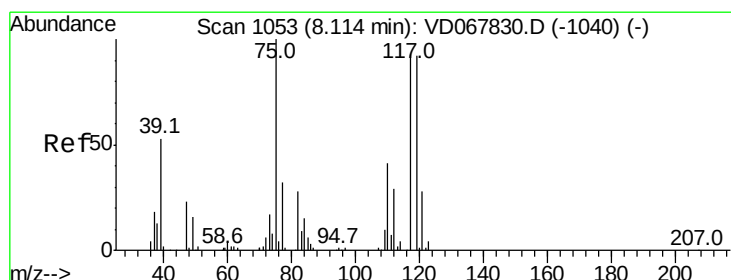
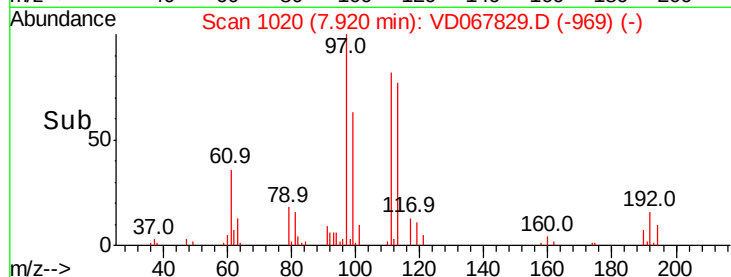
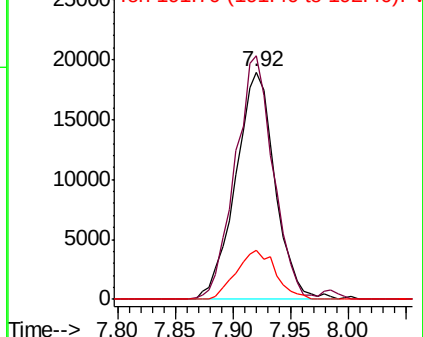
192 21.5 16.8 25.2



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: 20.042 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

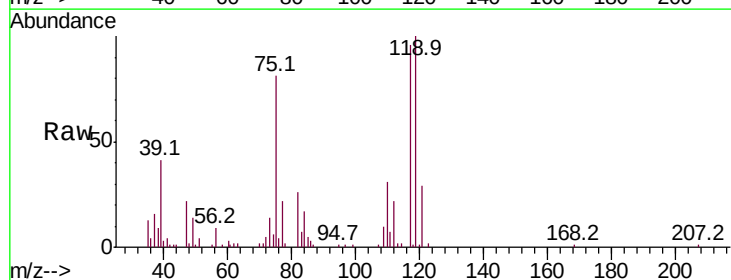
Tgt Ion: 75 Resp: 58662

Ion Ratio Lower Upper

75 100

110 41.7 20.3 61.0

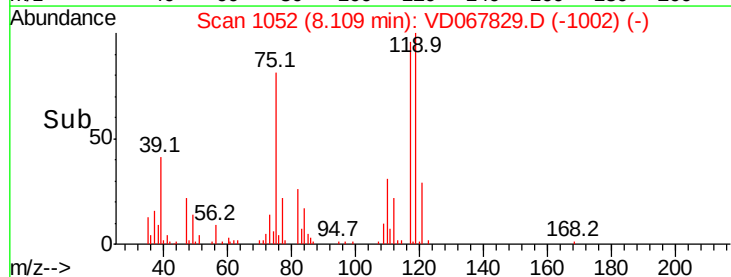
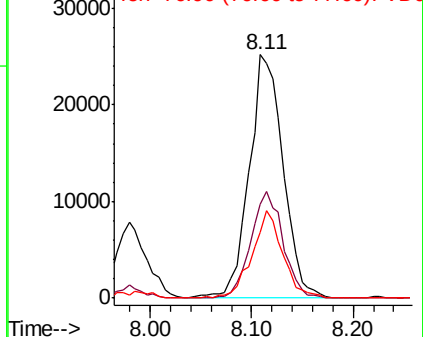
77 32.3 24.7 37.1

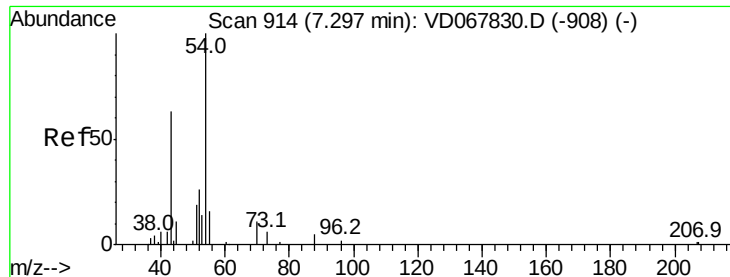


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

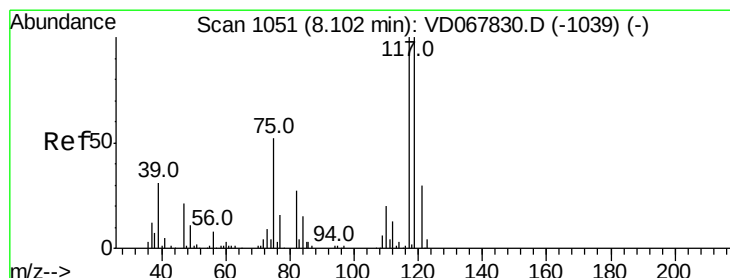
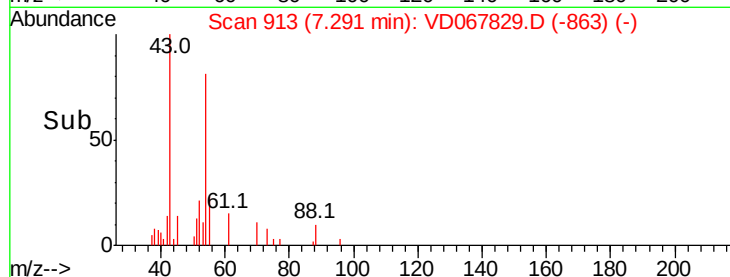
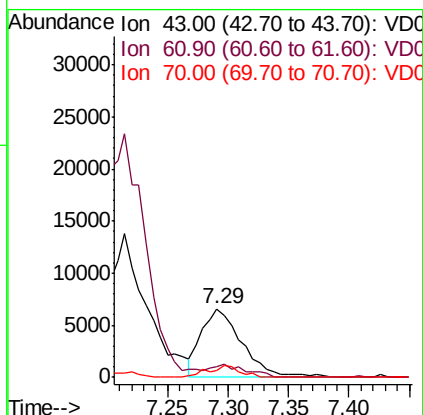
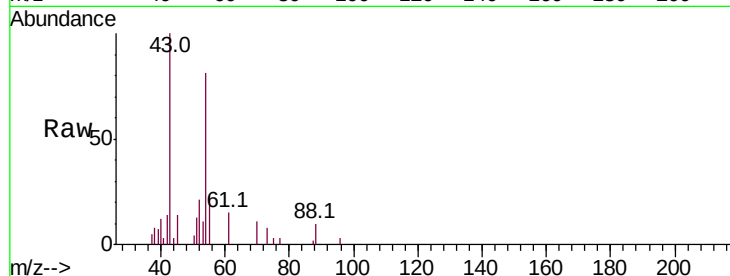




#37
Ethyl Acetate
Concen: 22.667 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

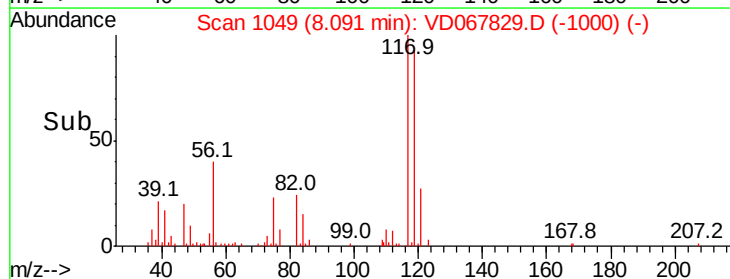
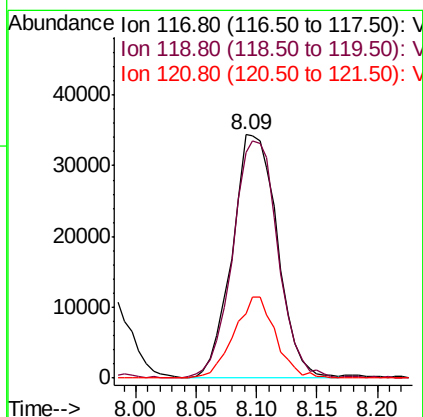
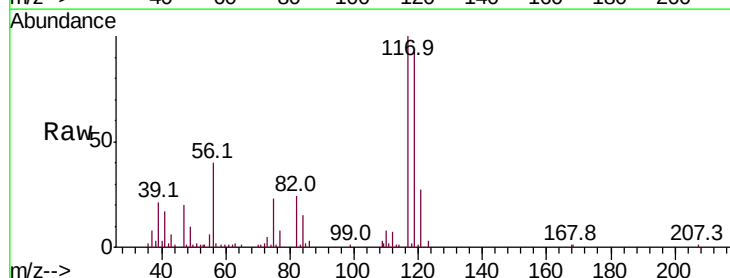
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

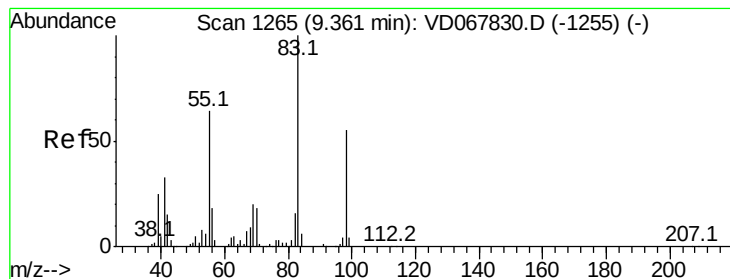
Tot Ion: 43 Resp: 15492
Ion Ratio Lower Upper
43 100
61 15.7 11.4 17.2
70 13.4 11.5 17.3



#38
Carbon Tetrachloride
Concen: 20.284 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 117 Resp: 89827
Ion Ratio Lower Upper
117 100
119 92.9 79.7 119.5
121 26.6 23.8 35.6





#39

Methylvlcyclohexane

Concen: 20.184 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

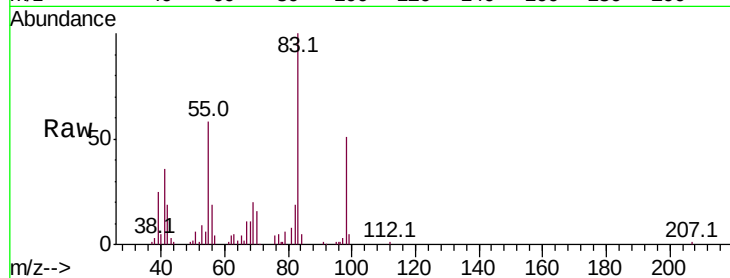
Tot Ion: 83 Resp: 70010

Ion Ratio Lower Upper

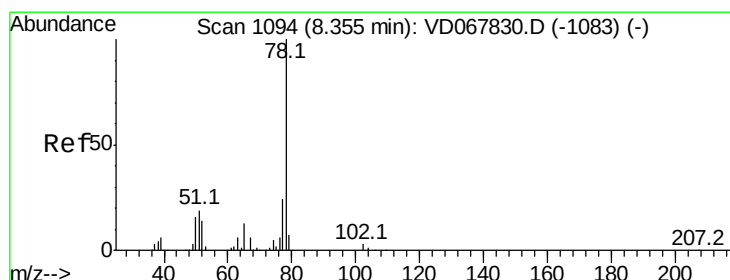
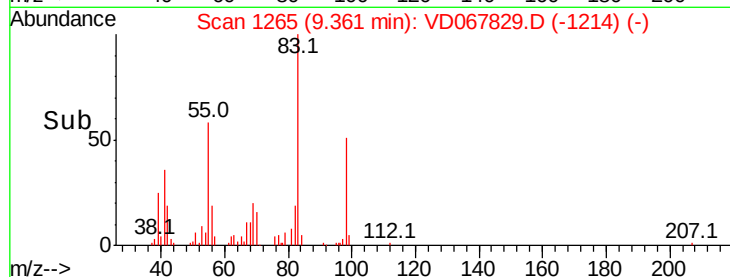
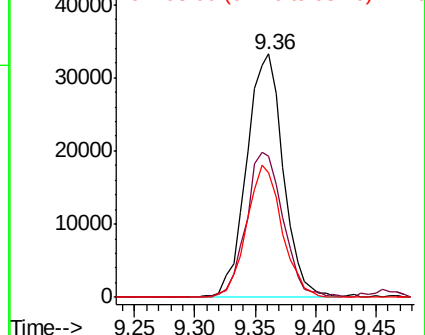
83 100

55 57.9 51.6 77.4

98 51.0 44.3 66.5



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 20.526 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD067829.D

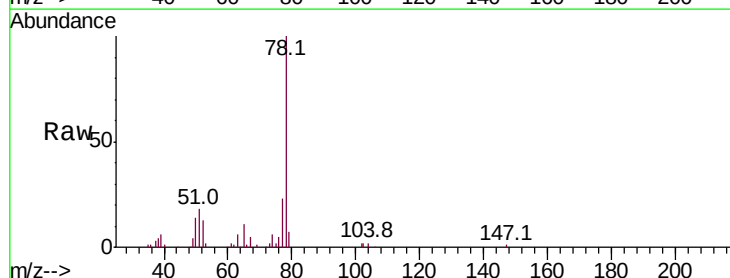
Acq: 01 Dec 2020 11:28

Tgt Ion: 78 Resp: 164388

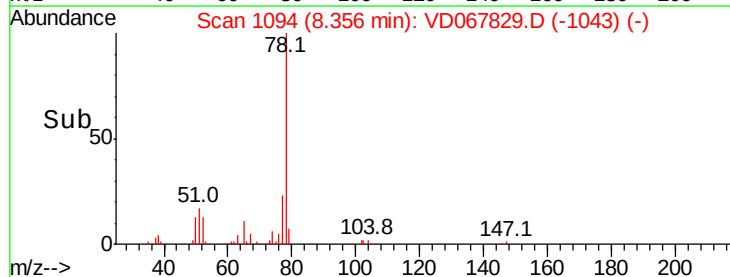
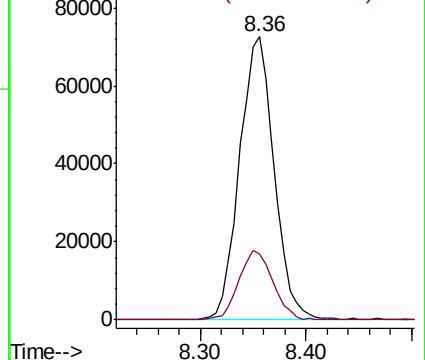
Ion Ratio Lower Upper

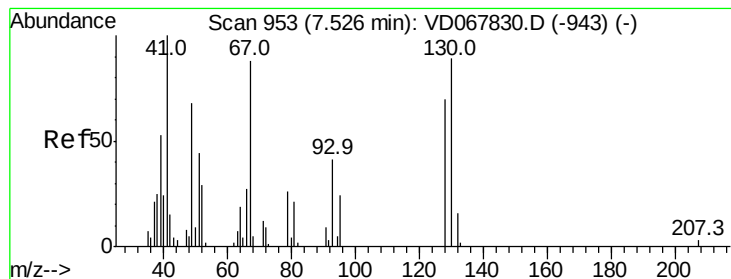
78 100

77 23.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 58.259 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.03 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 22345

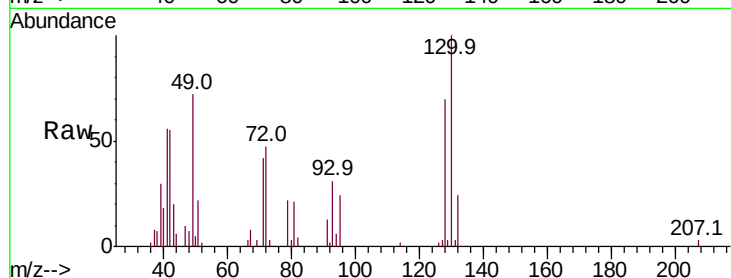
Ion Ratio Lower Upper

41 100

39 48.8 42.1 63.1

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

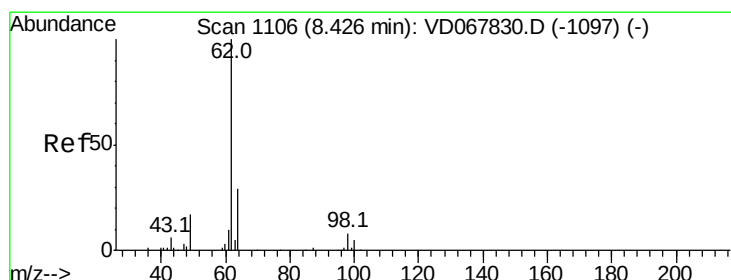
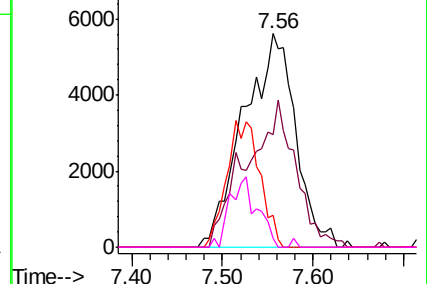
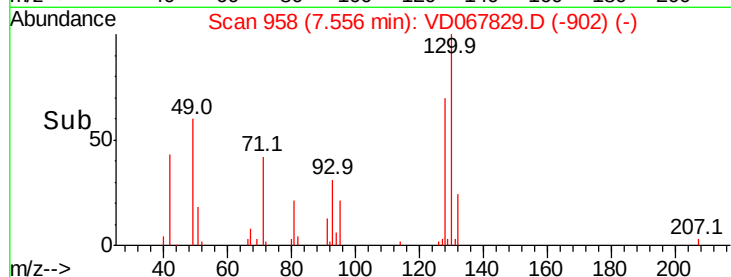


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.209 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067829.D

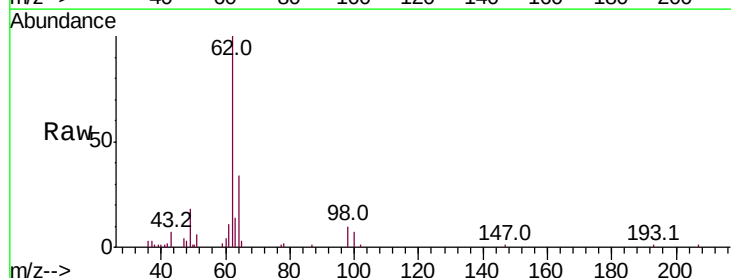
Acq: 01 Dec 2020 11:28

Tgt Ion: 62 Resp: 57684

Ion Ratio Lower Upper

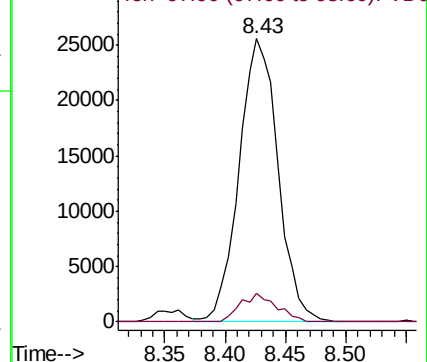
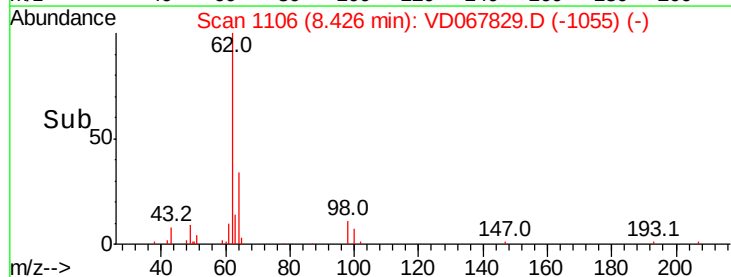
62 100

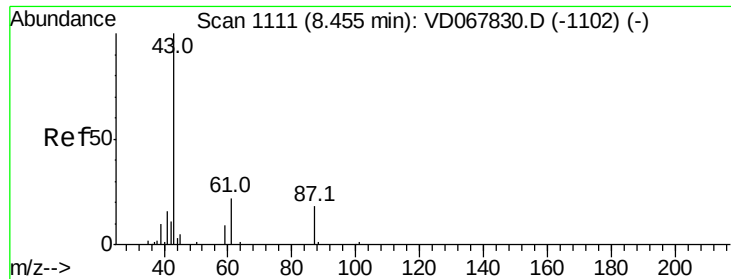
98 9.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

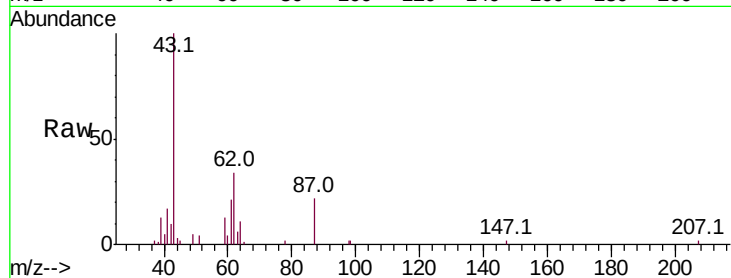




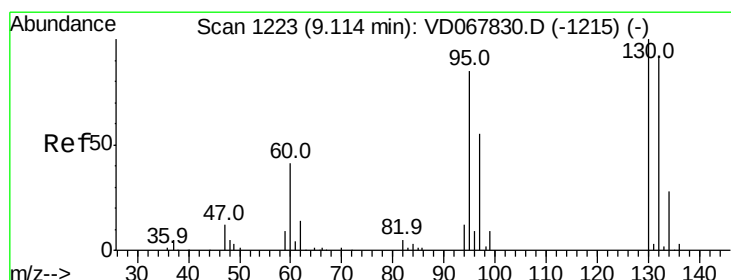
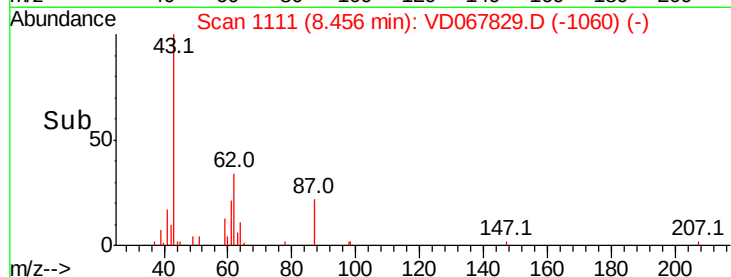
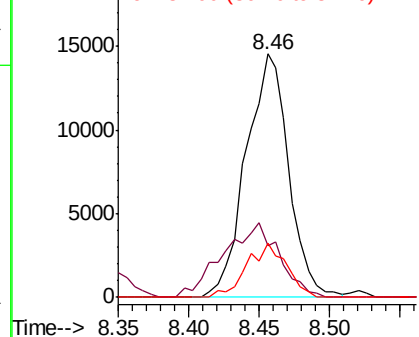
#43
Isopropyl Acetate
Concen: 19.817 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 30759
Ion Ratio Lower Upper
43 100
61 40.0 30.4 45.6
87 20.7 16.2 24.2

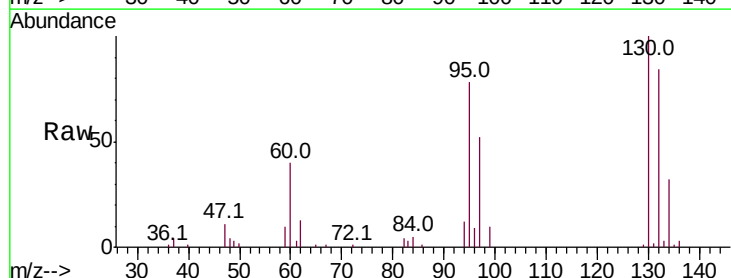


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

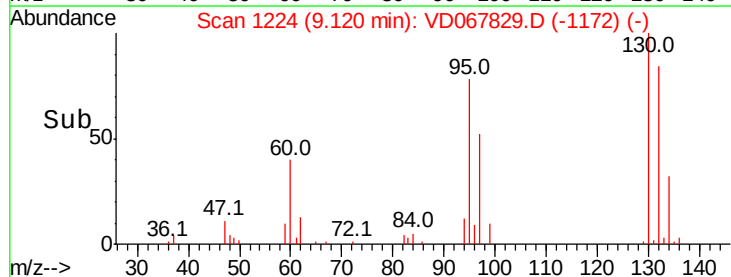
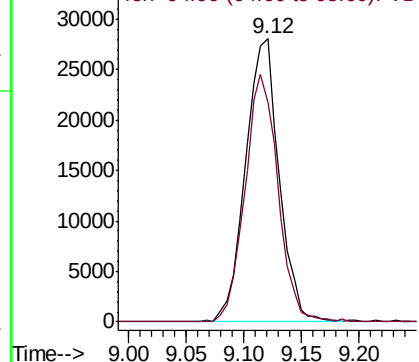


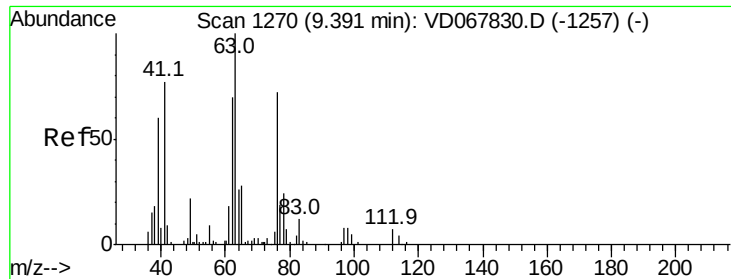
#44
Trichloroethene
Concen: 20.598 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion:130 Resp: 56718
Ion Ratio Lower Upper
130 100
95 77.7 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

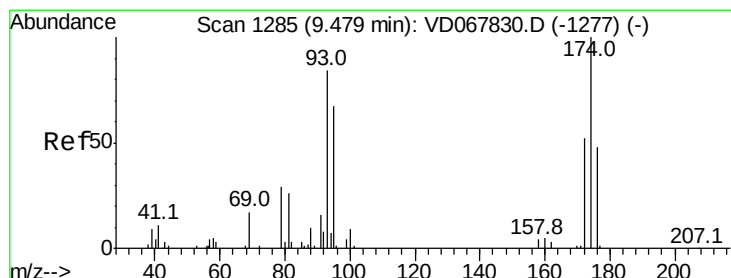
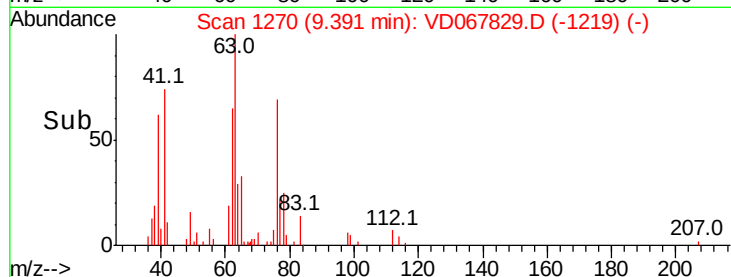
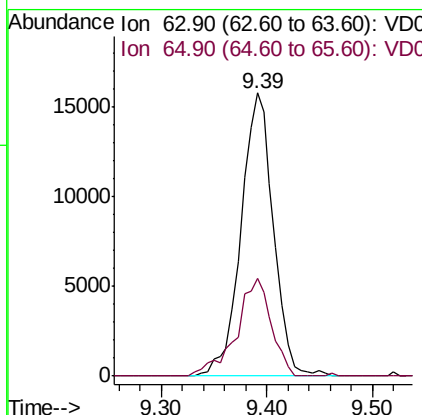
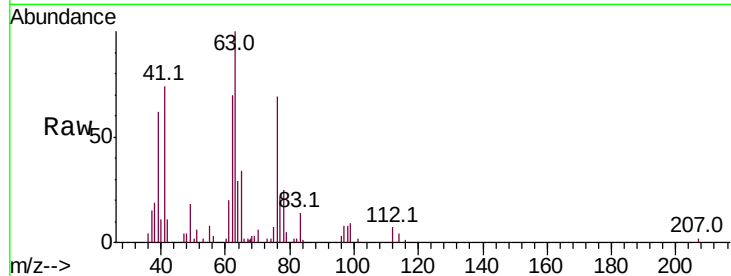




#45
 1,2-Dichloropropane
 Concen: 20.315 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

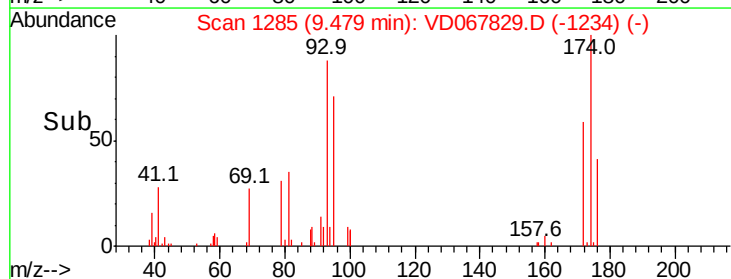
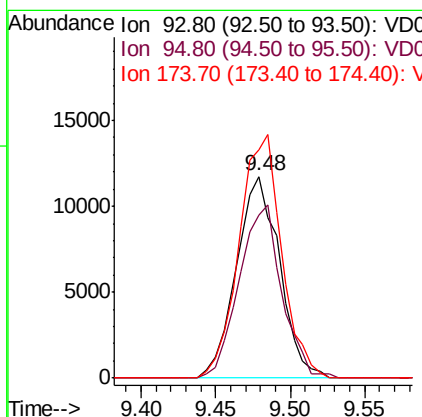
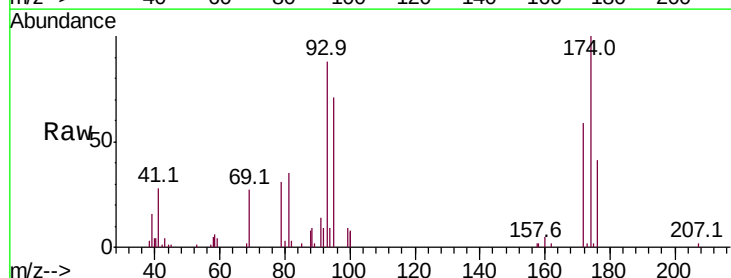
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

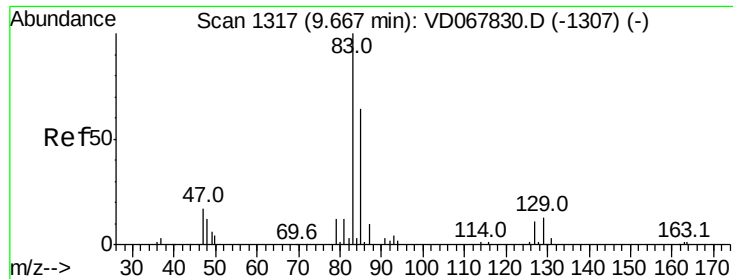
Tot Ion: 63 Resp: 33393
 Ion Ratio Lower Upper
 63 100
 65 34.3 22.8 34.2#



#46
 Dibromomethane
 Concen: 20.545 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Tgt Ion: 93 Resp: 23480
 Ion Ratio Lower Upper
 93 100
 95 84.6 64.2 96.4
 174 119.1 91.5 137.3

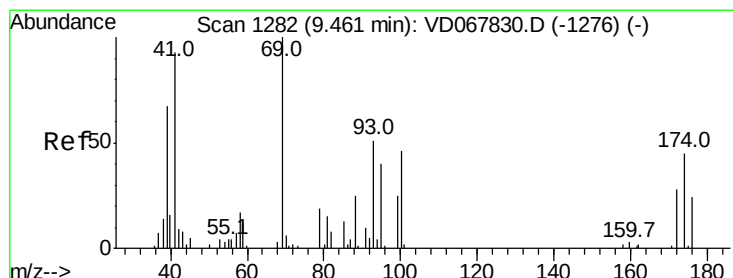
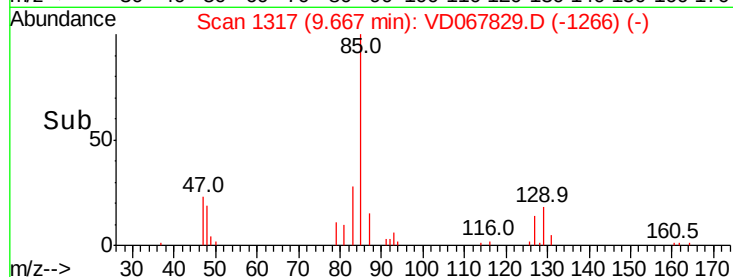
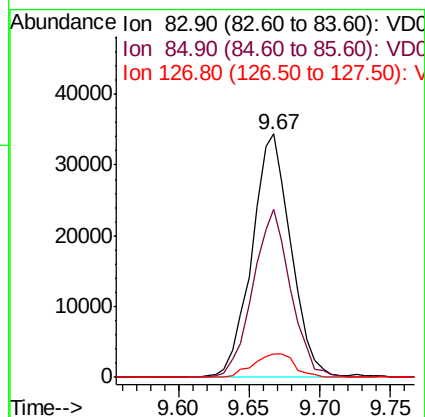
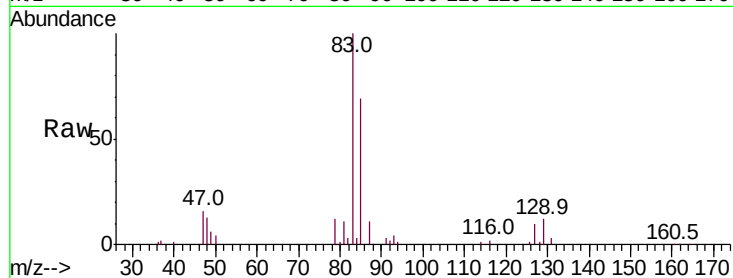




#47
Bromodichloromethane
Concen: 20.384 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

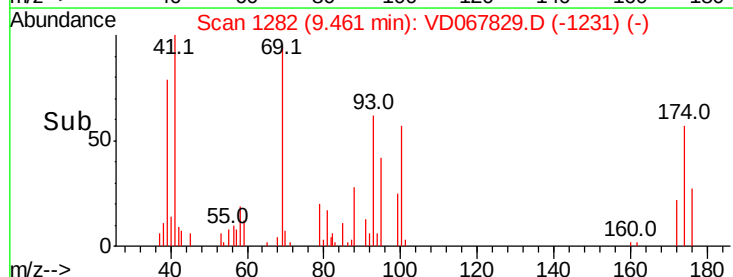
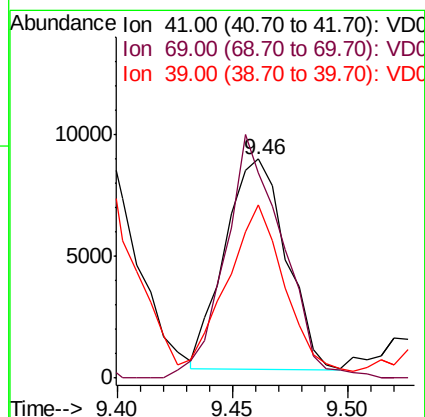
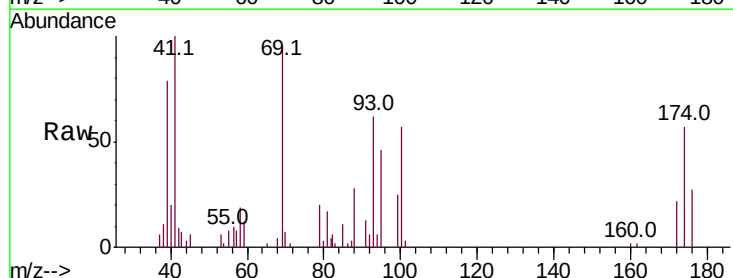
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

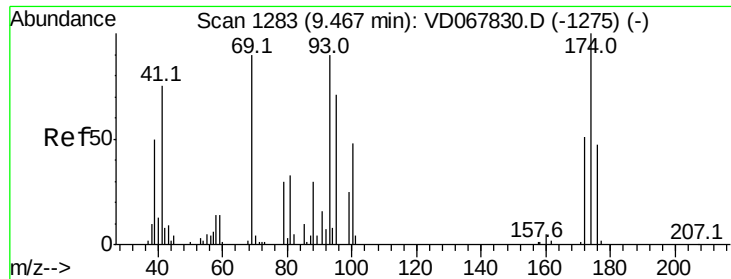
Tot Ion: 83 Resp: 66416
Ion Ratio Lower Upper
83 100
85 69.2 51.4 77.0
127 9.8 8.5 12.7



#48
Methyl methacrylate
Concen: 20.236 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 41 Resp: 15949
Ion Ratio Lower Upper
41 100
69 108.6 87.6 131.4
39 81.7 61.2 91.8





#49

1,4-Dioxane

Concen: 420.855 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

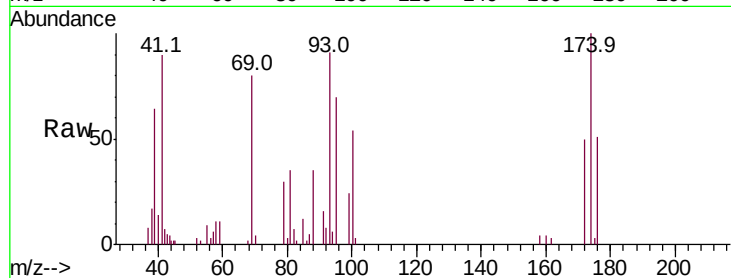
Tot Ion: 88 Resp: 5496

Ion Ratio Lower Upper

88 100

43 14.9 30.1 45.1#

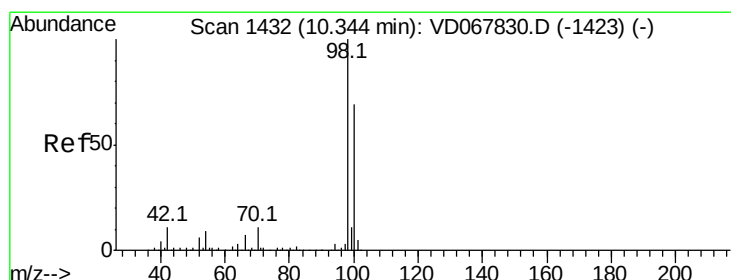
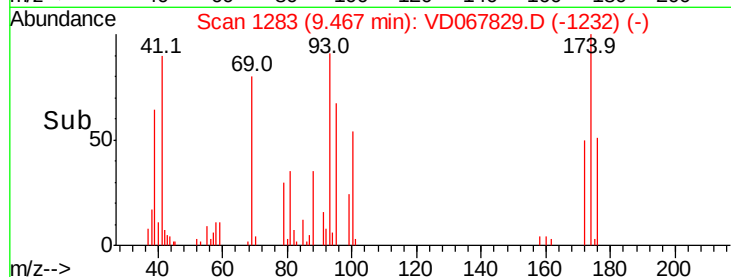
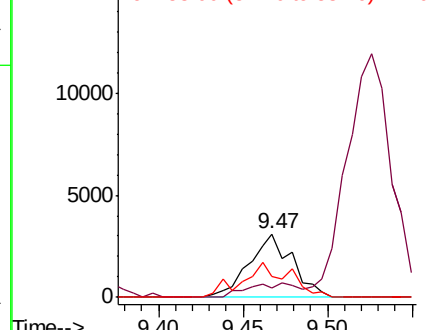
58 59.7 42.4 63.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 19.951 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067829.D

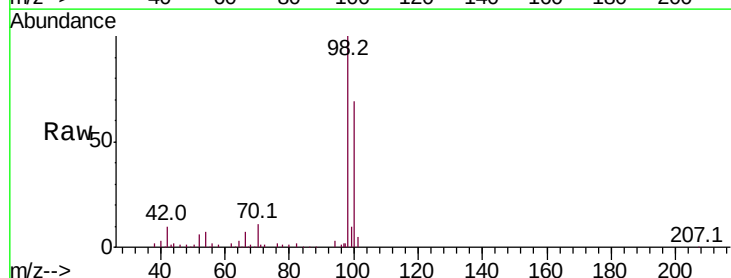
Acq: 01 Dec 2020 11:28

Tgt Ion: 98 Resp: 162485

Ion Ratio Lower Upper

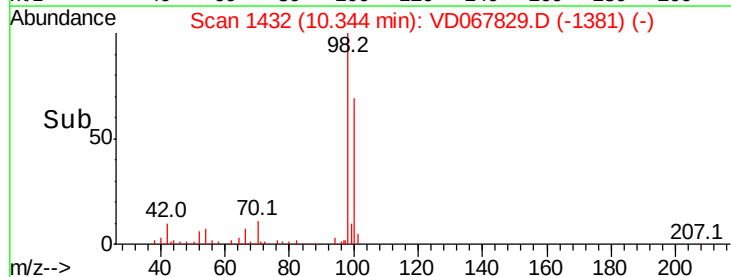
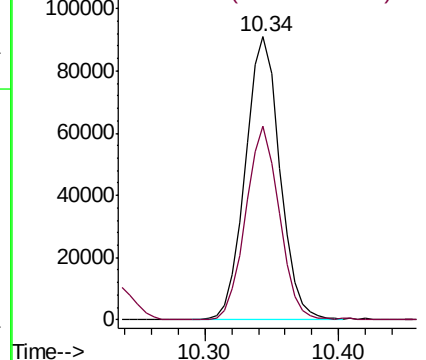
98 100

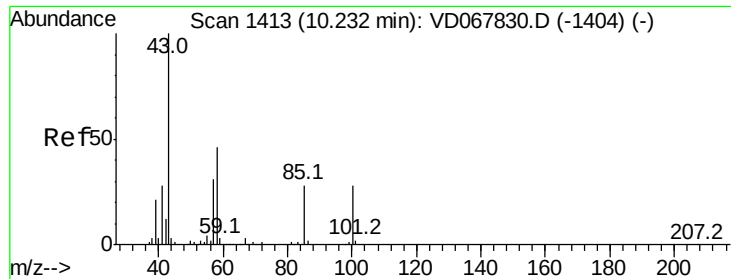
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

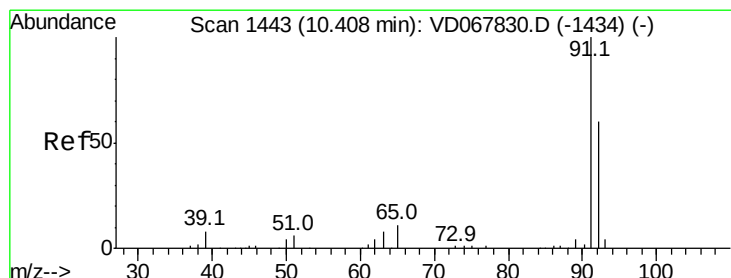
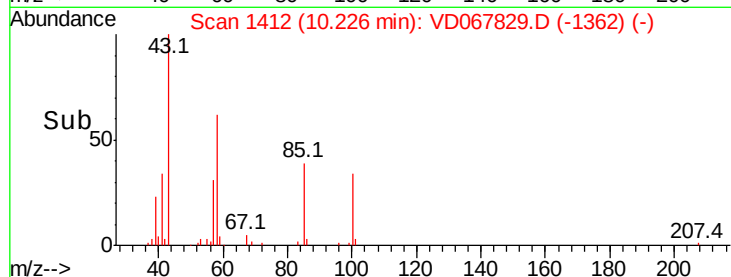
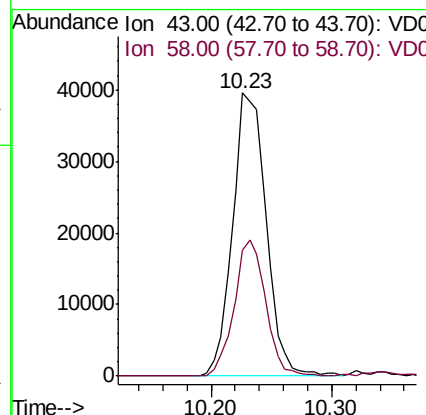
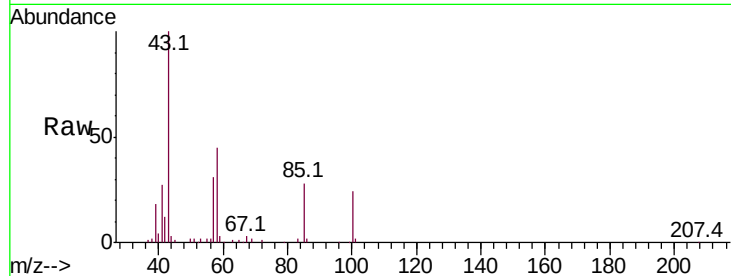




#51
4-Methyl-2-Pentanone
Concen: 104.539 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

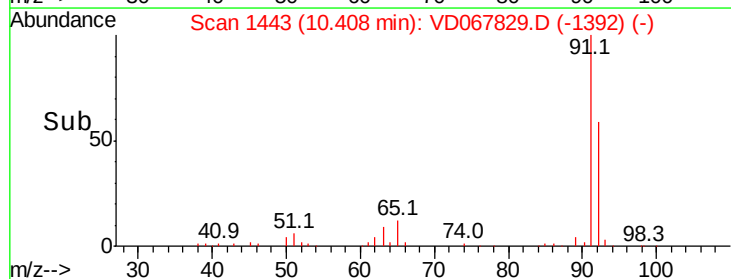
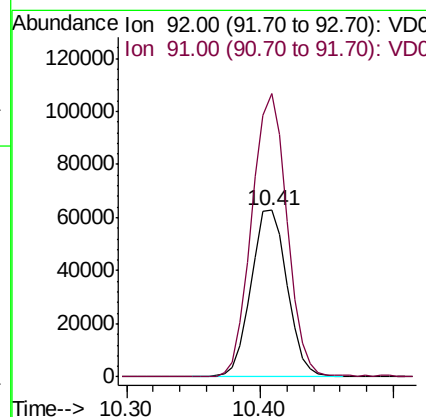
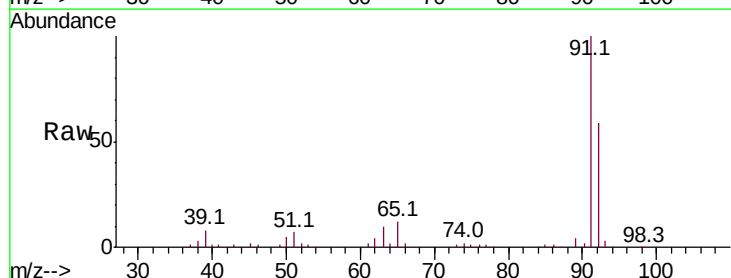
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

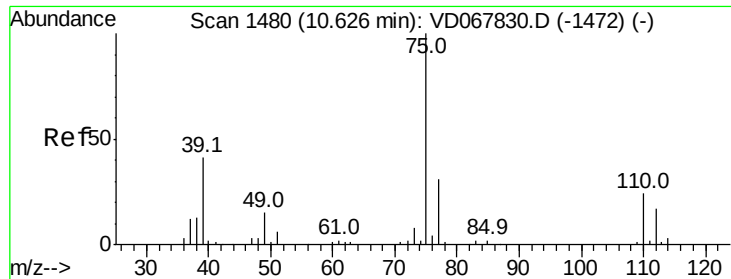
Tot Ion: 43 Resp: 76796
Ion Ratio Lower Upper
43 100
58 44.9 35.7 53.5



#52
Toluene
Concen: 21.000 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 92 Resp: 117587
Ion Ratio Lower Upper
92 100
91 165.8 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 20.361 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

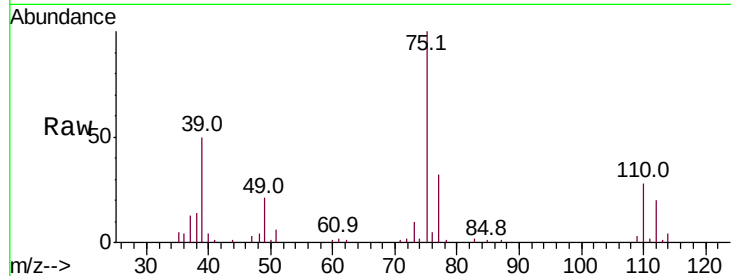
VSTDIC020

Tot Ion: 75 Resp: 57259

Ion Ratio Lower Upper

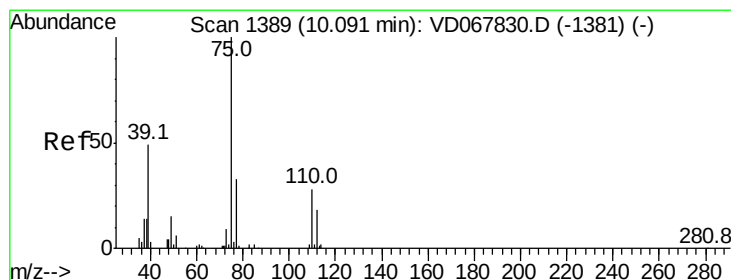
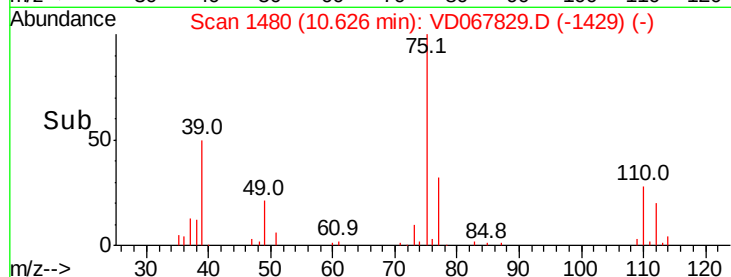
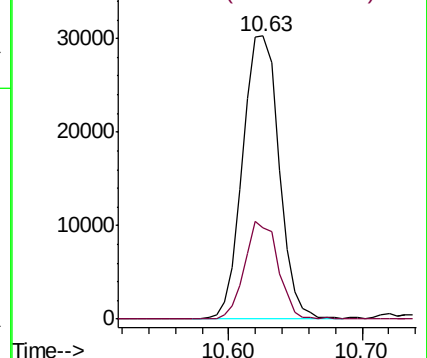
75 100

77 32.2 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.112 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

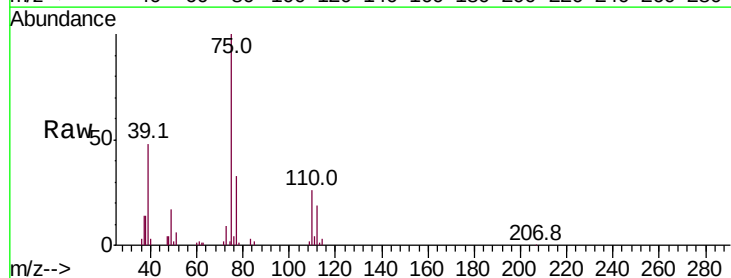
Tgt Ion: 75 Resp: 64581

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

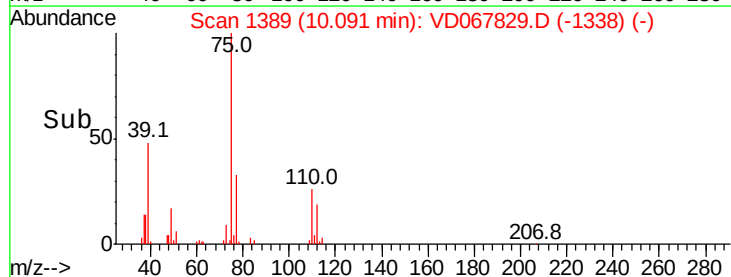
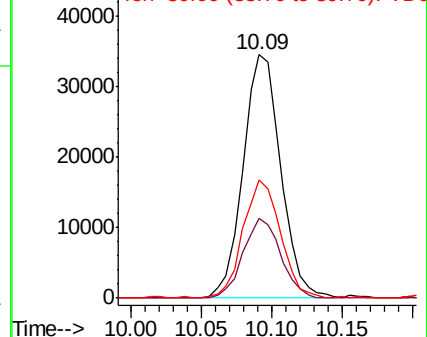
39 48.3 39.0 58.4

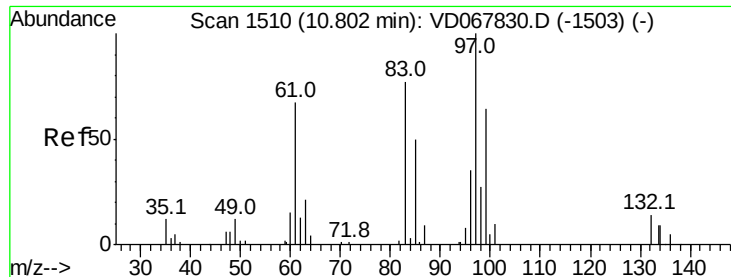


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 20.795 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 32525

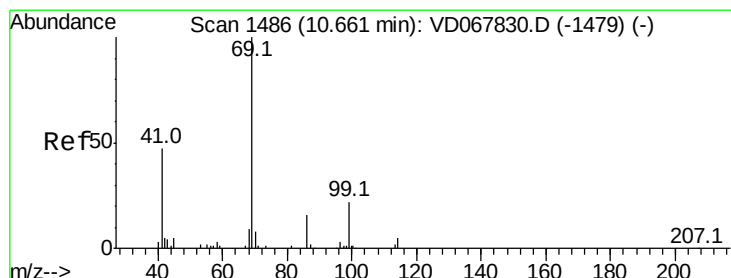
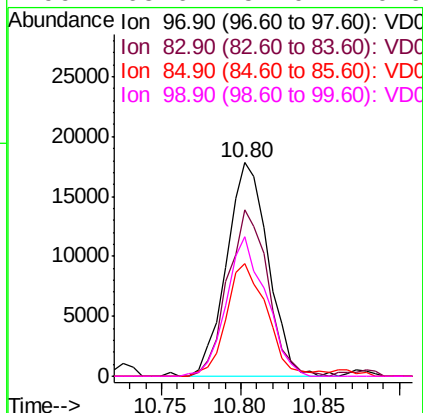
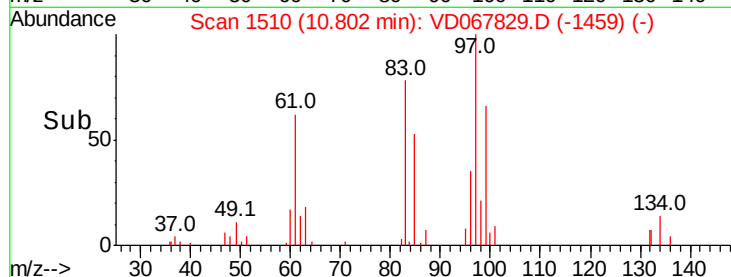
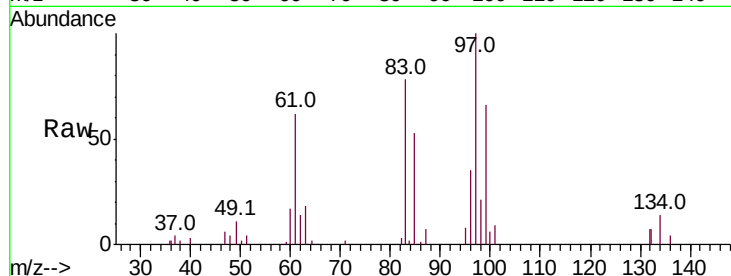
Ion	Ratio	Lower	Upper
97	100		
83	77.7	61.9	92.9
85	52.5	40.2	60.4
99	65.6	51.0	76.6

97 100

83 77.7 61.9 92.9

85 52.5 40.2 60.4

99 65.6 51.0 76.6



#56

Ethyl methacrylate

Concen: 20.234 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

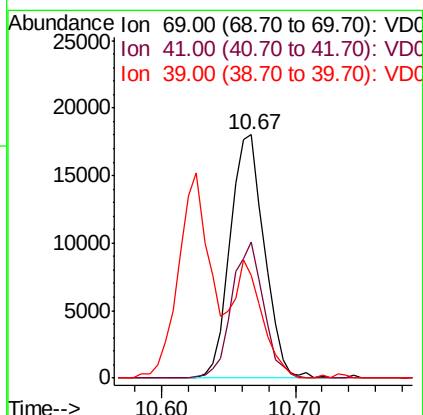
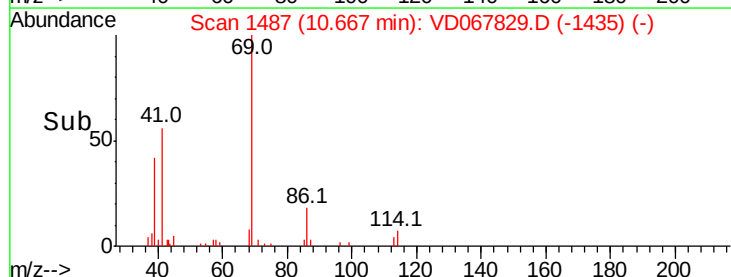
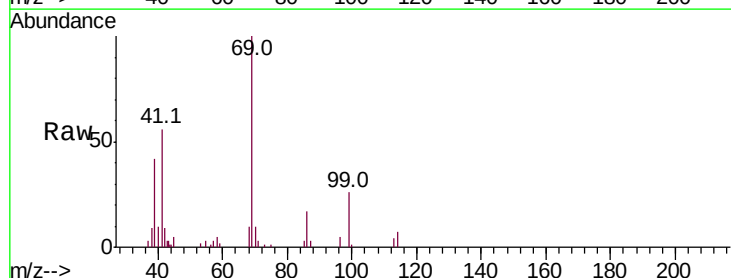
Tgt Ion: 69 Resp: 32199

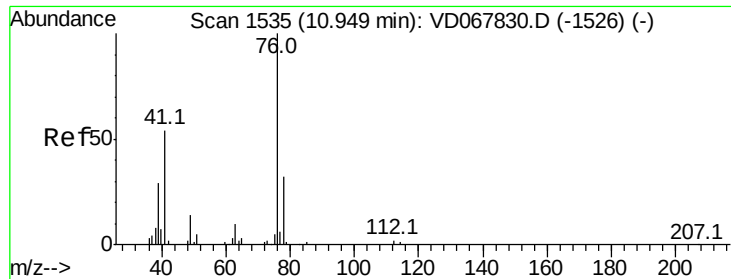
Ion	Ratio	Lower	Upper
69	100		
41	52.2	42.8	64.2
39	37.1	30.5	45.7

69 100

41 52.2 42.8 64.2

39 37.1 30.5 45.7





#57

1,3-Dichloropropane

Concen: 21.053 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

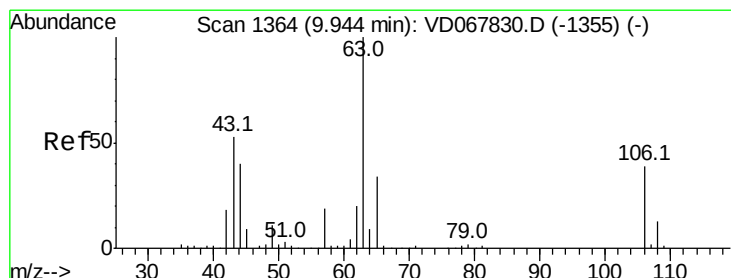
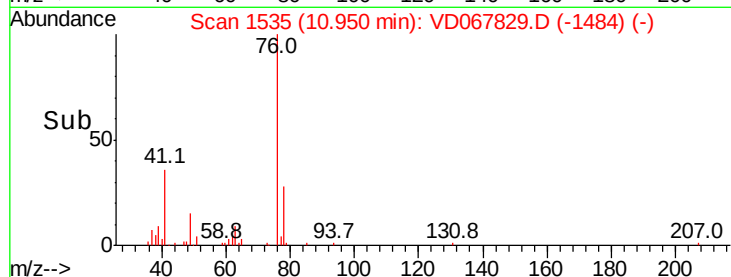
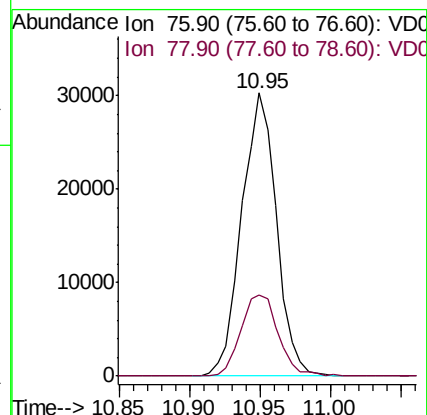
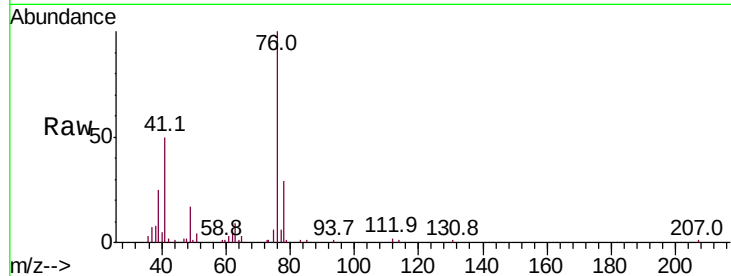
VSTDIC020

Tot Ion: 76 Resp: 52160

Ion Ratio Lower Upper

76 100

78 31.1 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 91.729 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067829.D

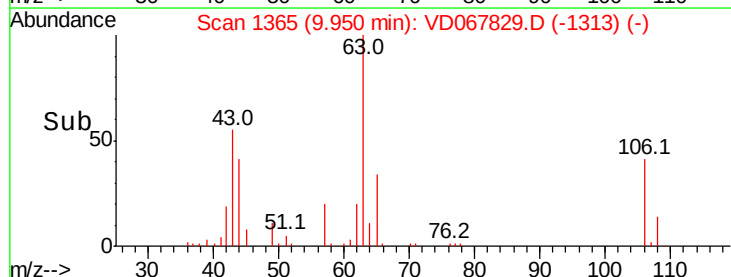
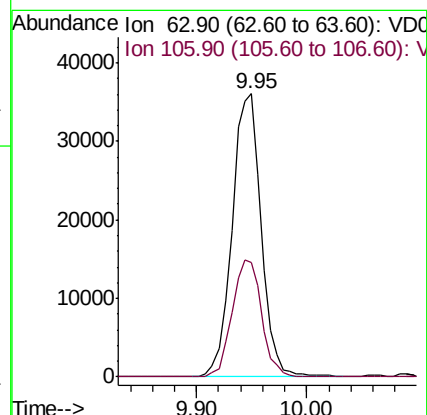
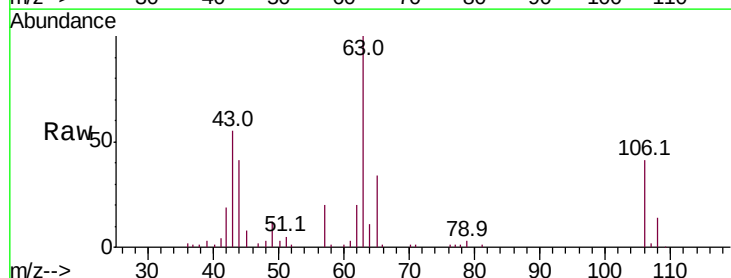
Acq: 01 Dec 2020 11:28

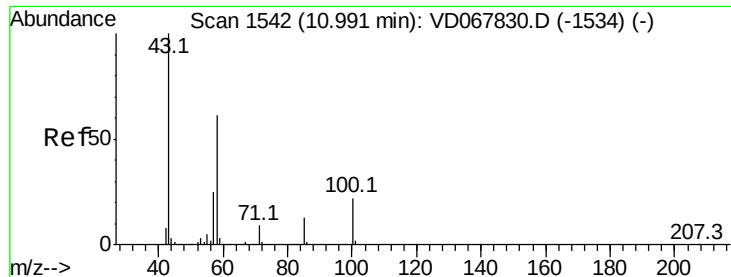
Tgt Ion: 63 Resp: 66422

Ion Ratio Lower Upper

63 100

106 41.5 32.0 48.0

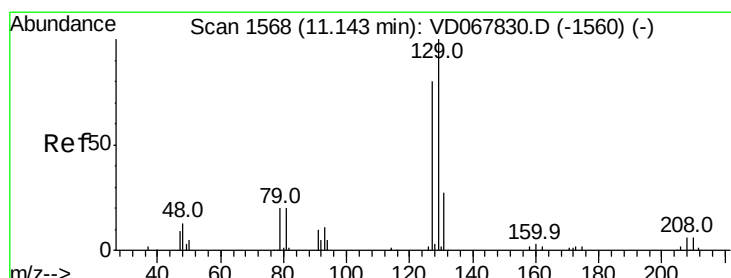
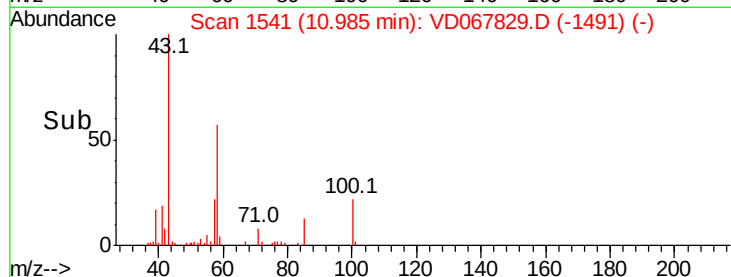
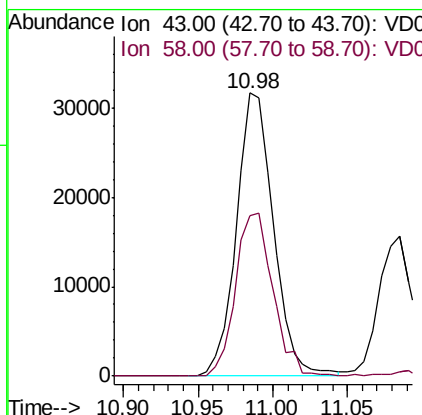
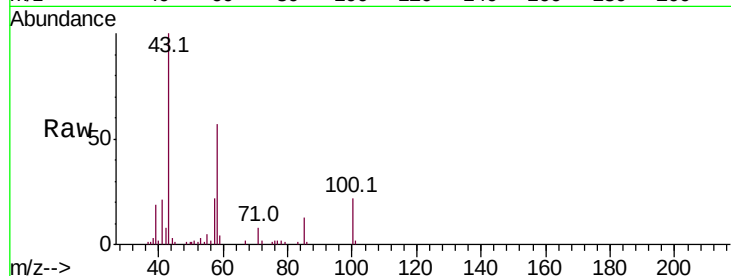




#59
2-Hexanone
Concen: 105.572 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

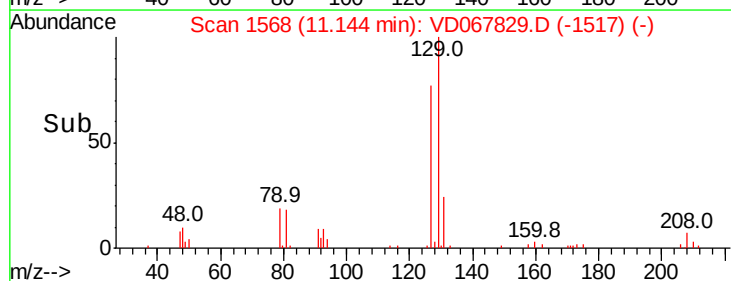
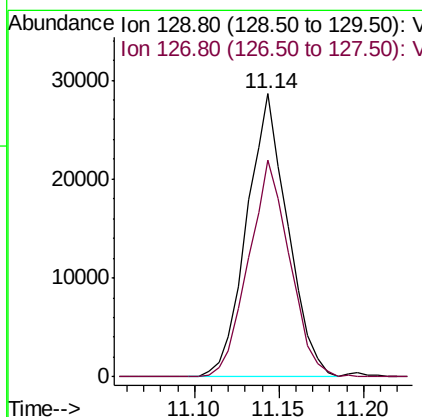
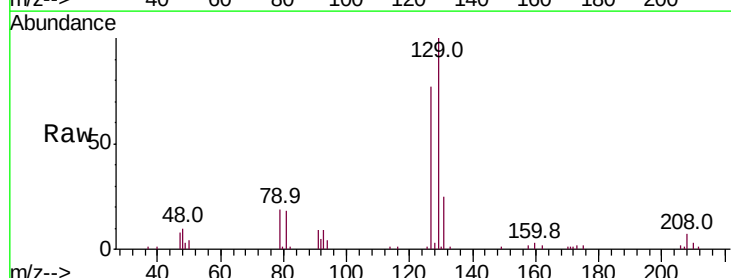
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

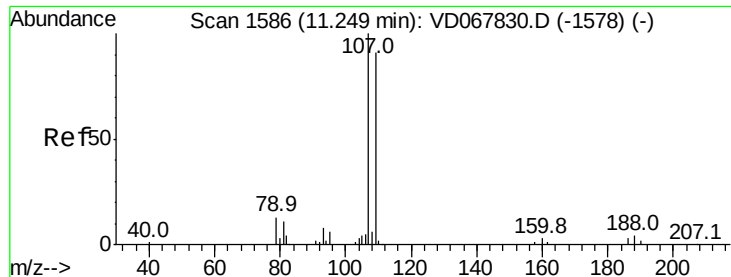
Tot Ion: 43 Resp: 54672
Ion Ratio Lower Upper
43 100
58 58.0 29.9 89.7



#60
Dibromochloromethane
Concen: 20.457 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 129 Resp: 48230
Ion Ratio Lower Upper
129 100
127 76.7 39.2 117.6

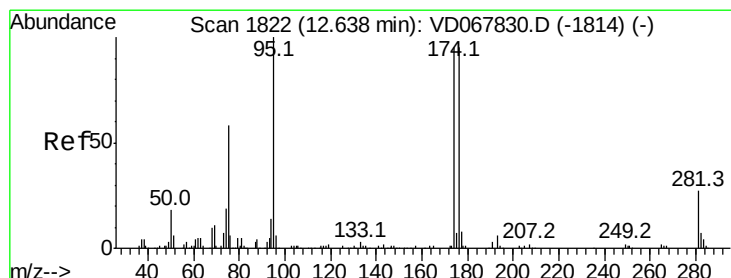
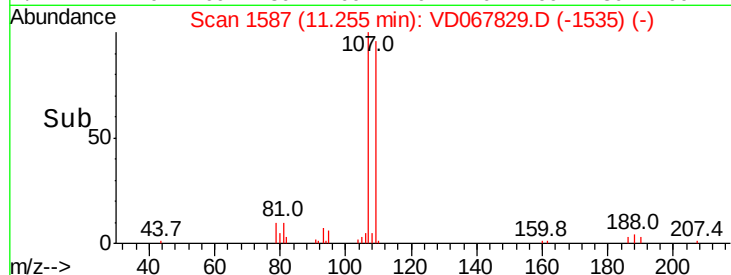
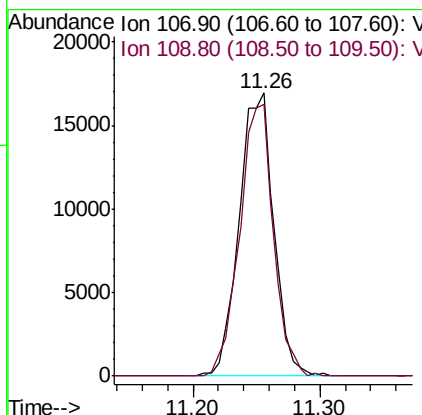
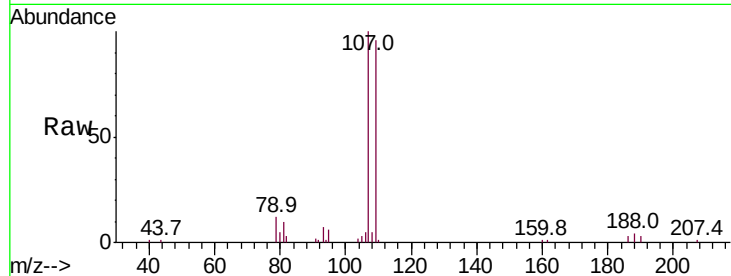




#61
 1,2-Dibromoethane
 Concen: 20.874 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

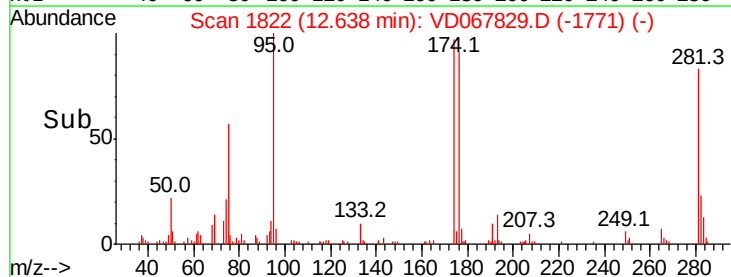
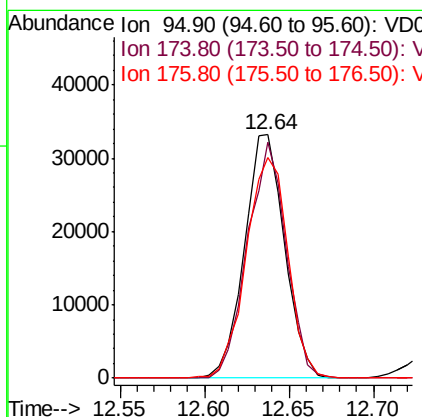
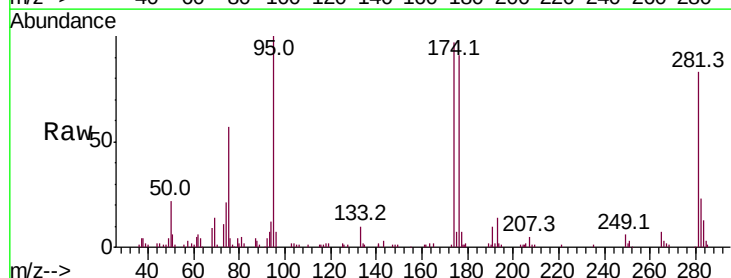
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

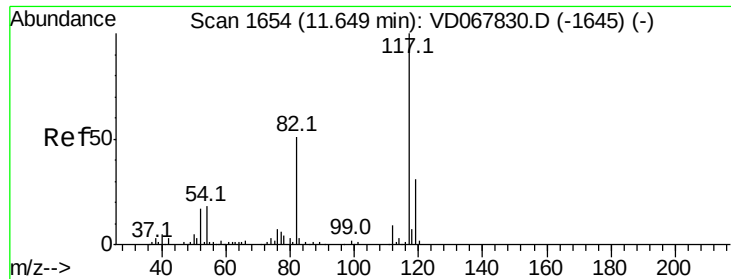
Tot Ion:107 Resp: 32106
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 19.519 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Tgt Ion: 95 Resp: 54959
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 186.0
 176 94.2 0.0 184.2

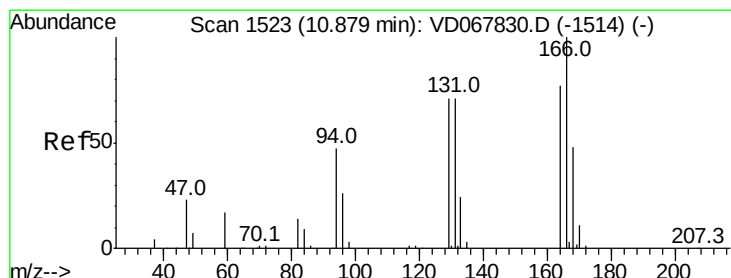
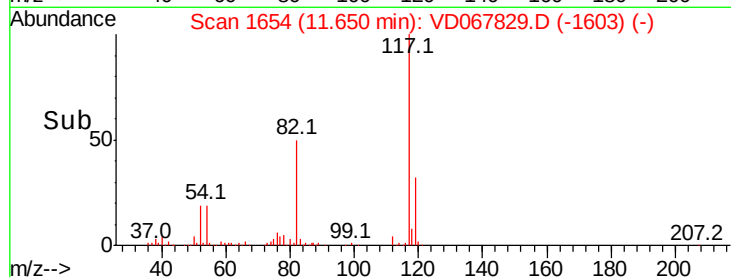
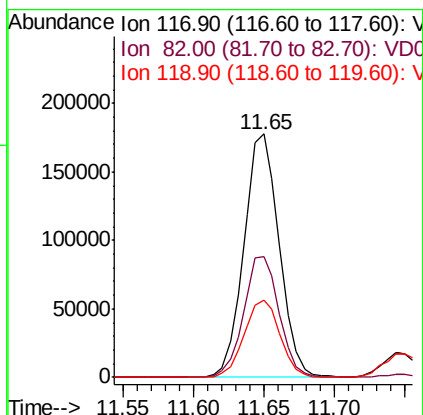
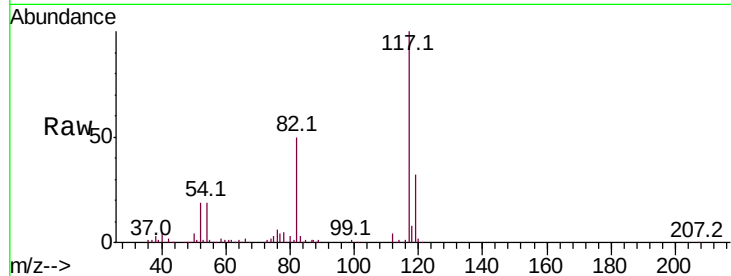




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

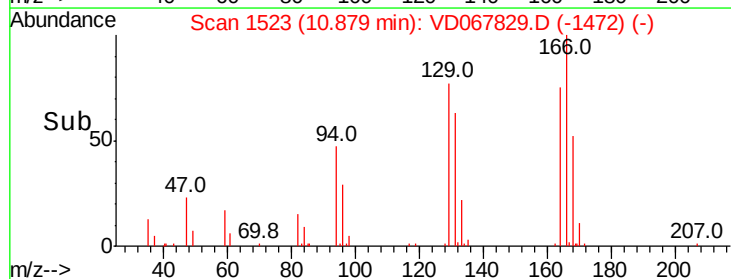
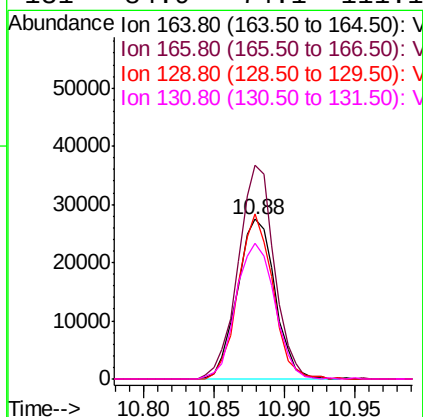
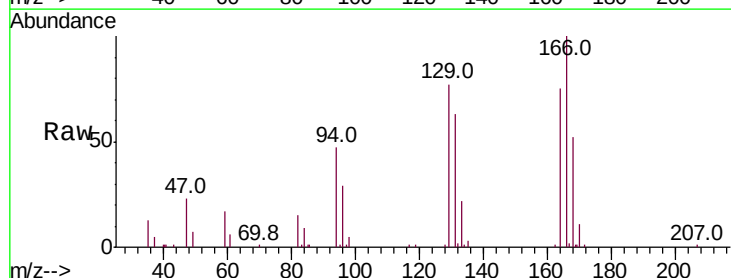
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

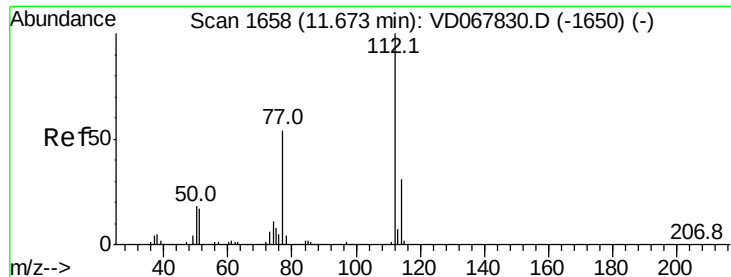
Tot Ion:117 Resp: 310289
Ion Ratio Lower Upper
117 100
82 49.6 40.6 60.8
119 31.9 25.1 37.7



#64
Tetrachloroethene
Concen: 20.251 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion:164 Resp: 51254
Ion Ratio Lower Upper
164 100
166 133.8 103.8 155.6
129 103.6 73.3 109.9
131 84.9 74.1 111.1

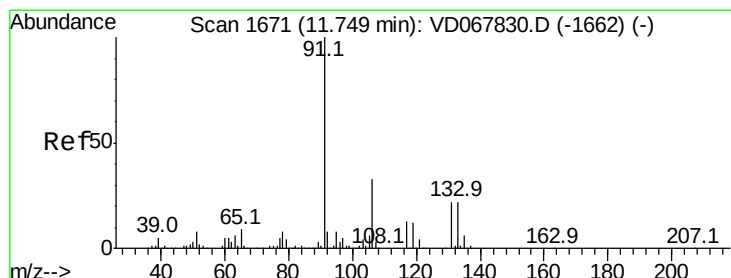
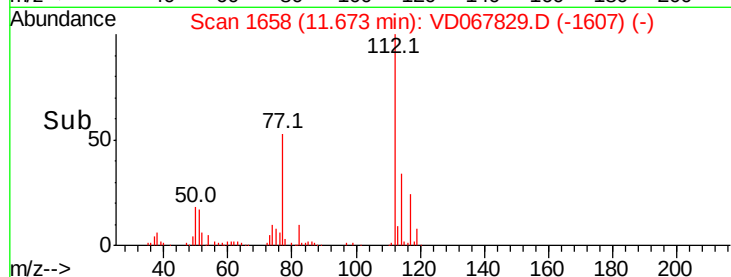
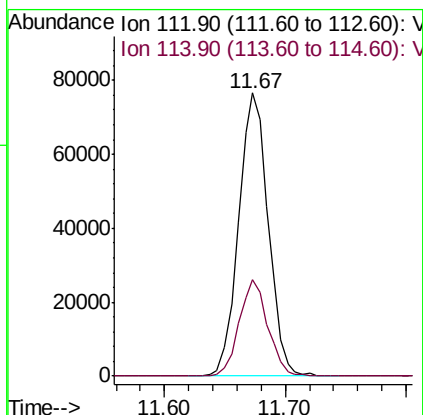
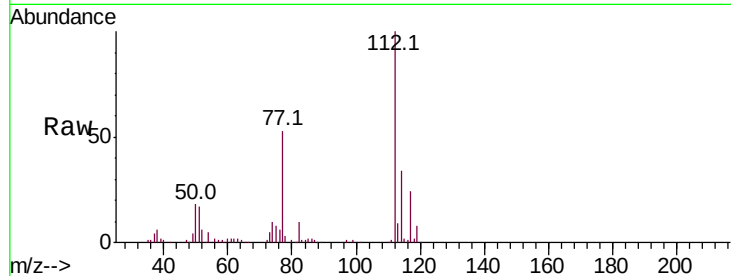




#65
Chlorobenzene
Concen: 20.428 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

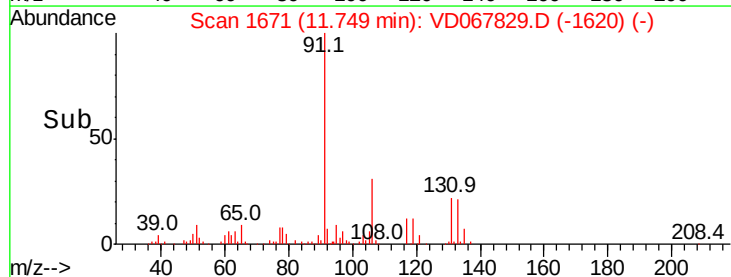
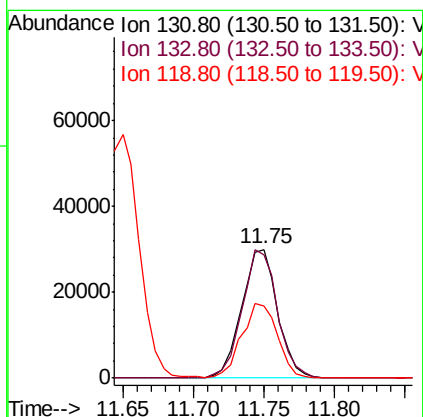
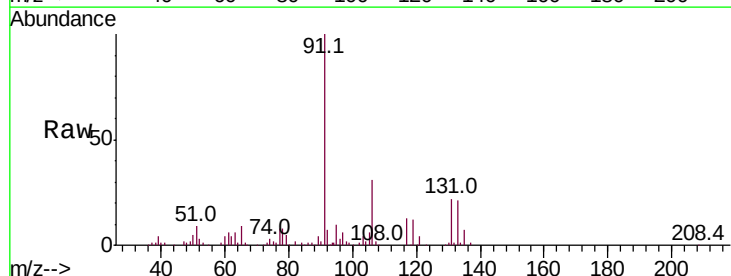
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

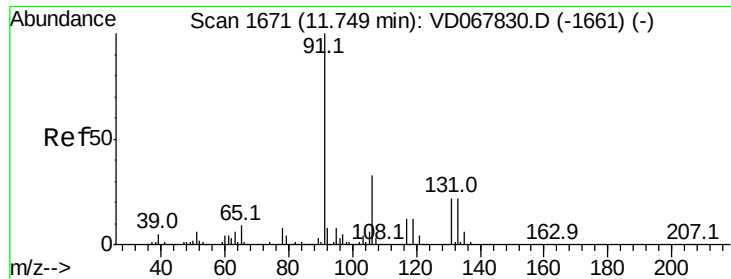
Tot Ion:112 Resp: 130790
Ion Ratio Lower Upper
112 100
114 34.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.357 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion:131 Resp: 53160
Ion Ratio Lower Upper
131 100
133 98.4 49.9 149.7
119 58.0 29.6 88.9

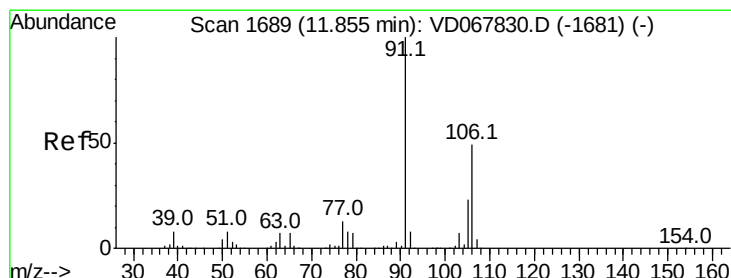
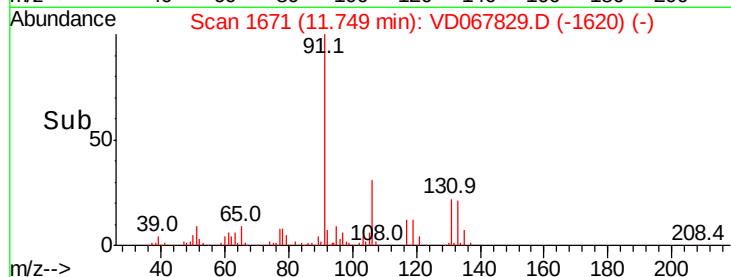
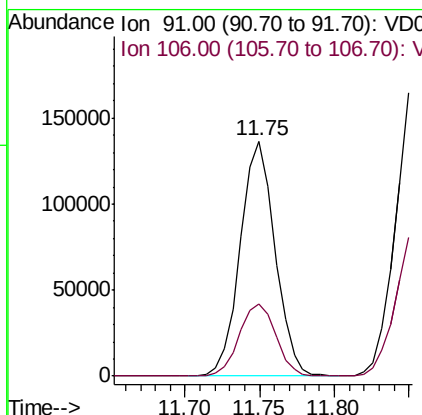
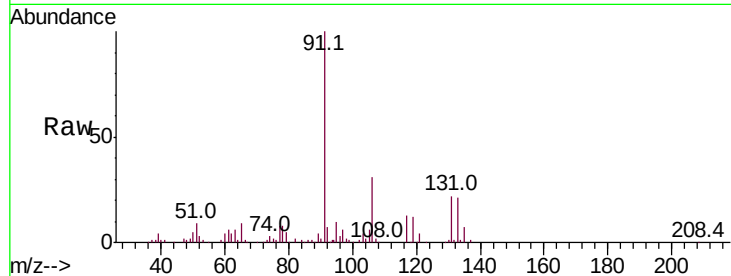




#67
Ethyl Benzene
Concen: 20.298 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

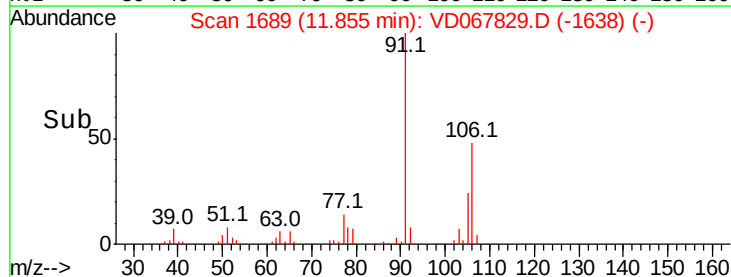
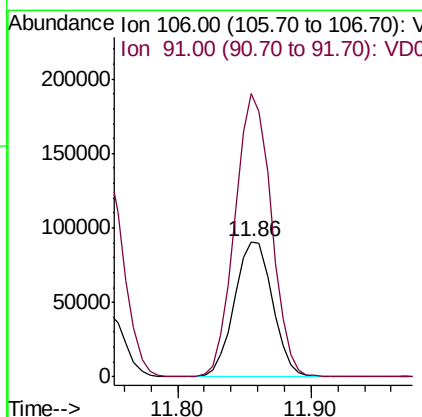
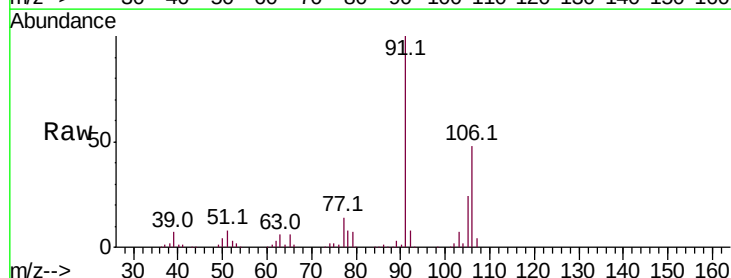
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

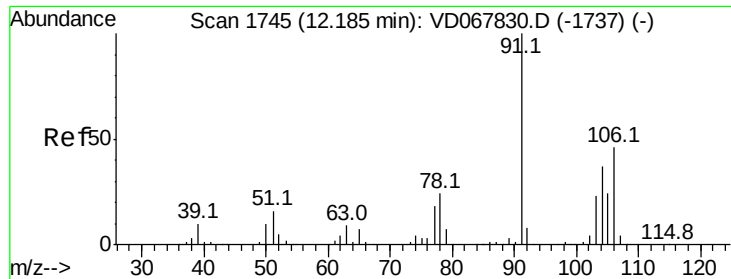
Tot Ion: 91 Resp: 221379
Ion Ratio Lower Upper
91 100
106 30.6 26.2 39.2



#68
m/p-Xylenes
Concen: 41.834 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 106 Resp: 179909
Ion Ratio Lower Upper
106 100
91 200.4 162.8 244.2

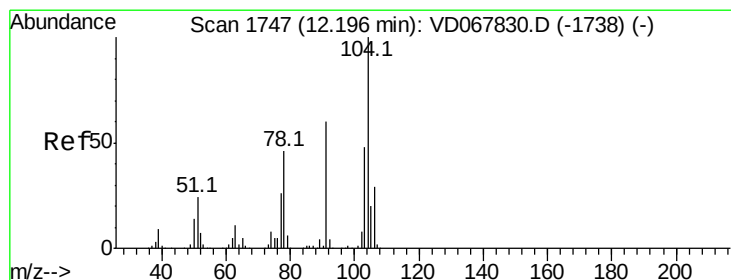
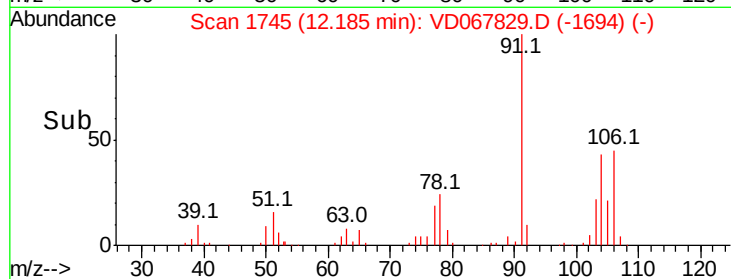
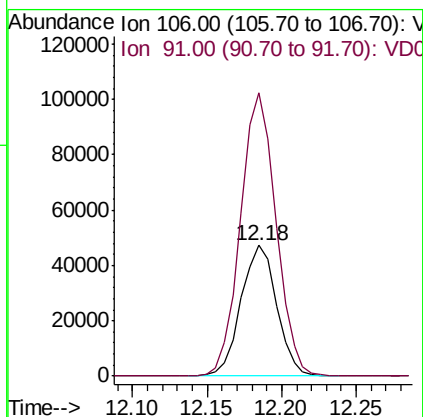
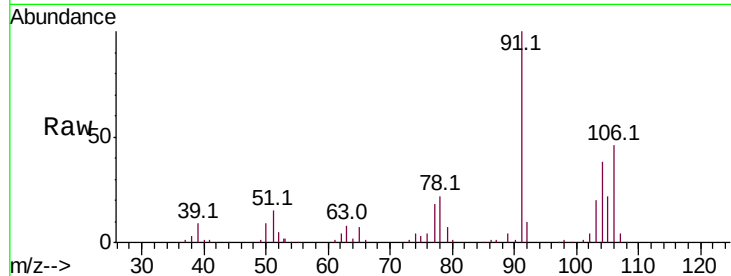




#69
o-Xylene
Concen: 20.580 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

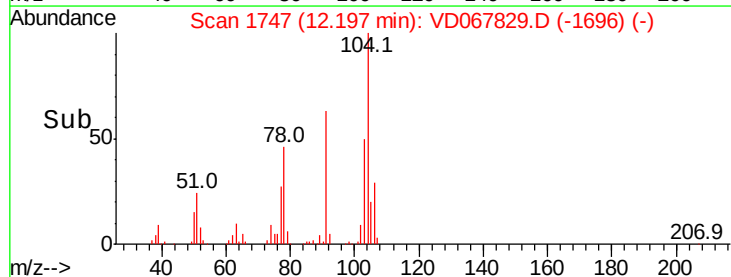
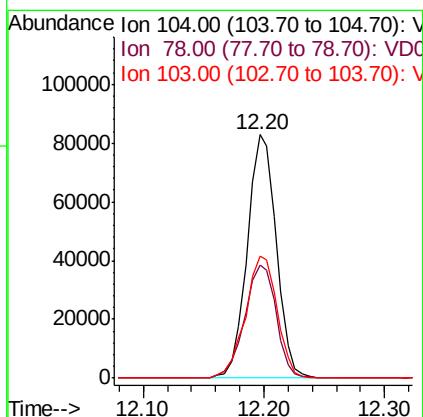
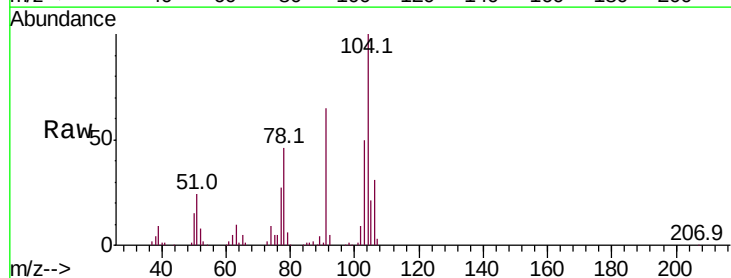
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

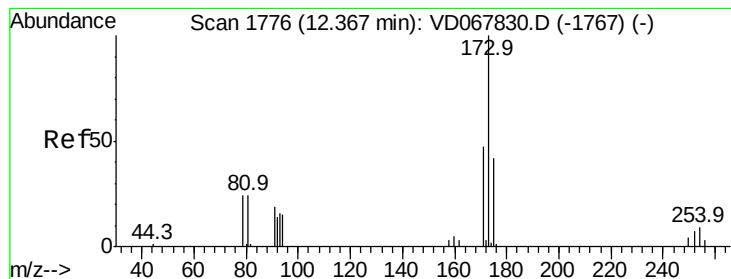
Tot Ion:106 Resp: 78572
Ion Ratio Lower Upper
106 100
91 215.8 107.5 322.5



#70
Styrene
Concen: 20.883 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion:104 Resp: 138640
Ion Ratio Lower Upper
104 100
78 50.7 41.6 62.4
103 55.0 43.2 64.8





#71

Bromoform

Concen: 20.622 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

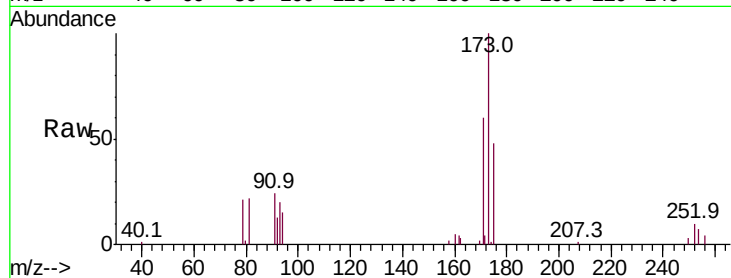
Tot Ion:173 Resp: 28506

Ion Ratio Lower Upper

173 100

175 48.4 23.4 70.3

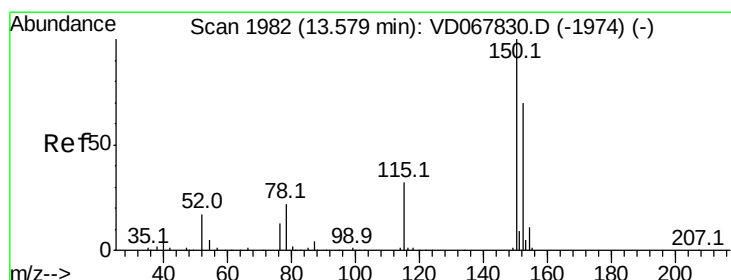
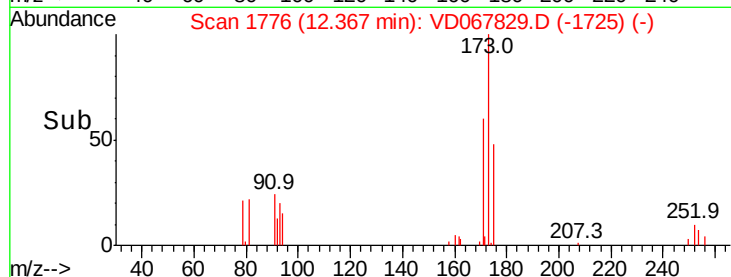
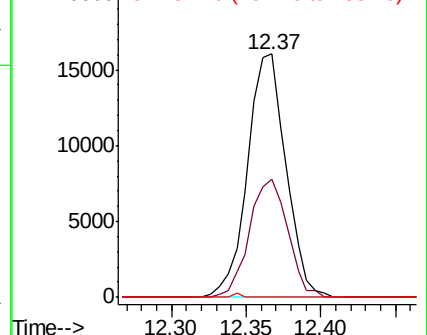
254 0.0 0.1 0.1#



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: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

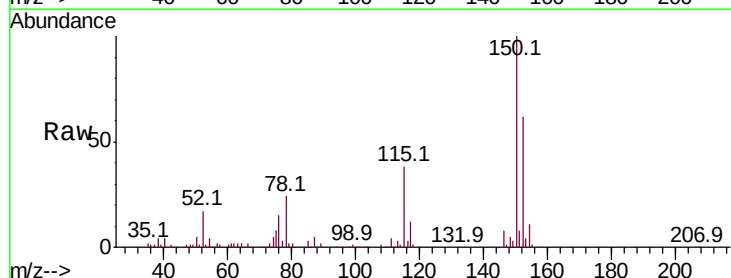
Tgt Ion:152 Resp: 160876

Ion Ratio Lower Upper

152 100

115 60.9 29.1 87.4

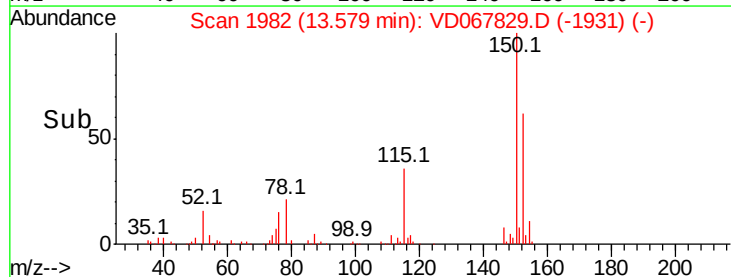
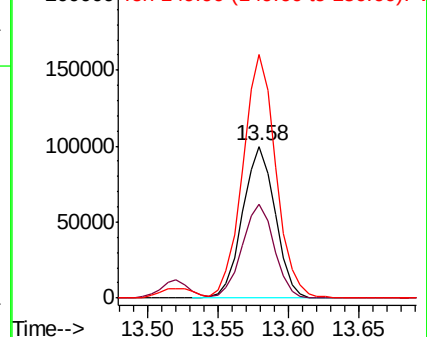
150 163.6 0.0 339.0

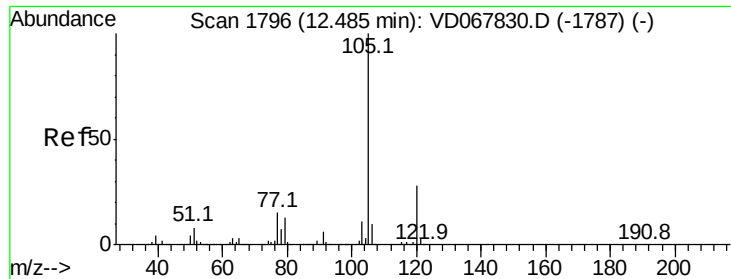


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.195 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

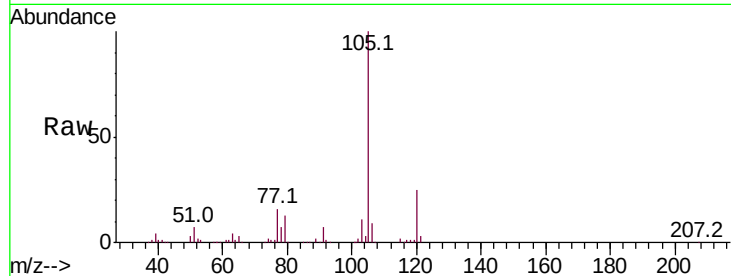
VSTDIC020

Tot Ion:105 Resp: 223427

Ion Ratio Lower Upper

105 100

120 27.0 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

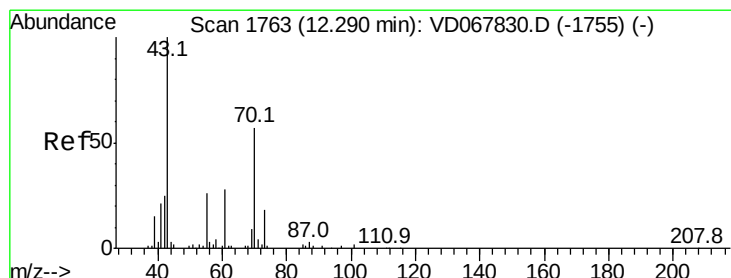
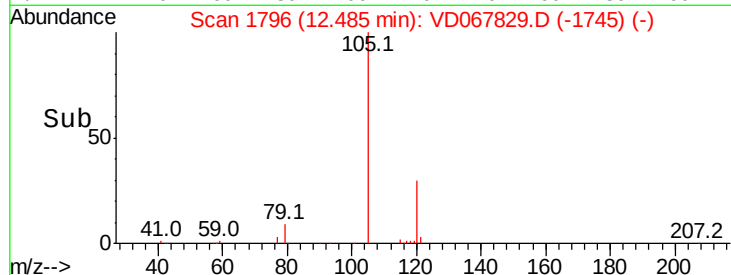
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.301 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Tgt Ion: 43 Resp: 27782

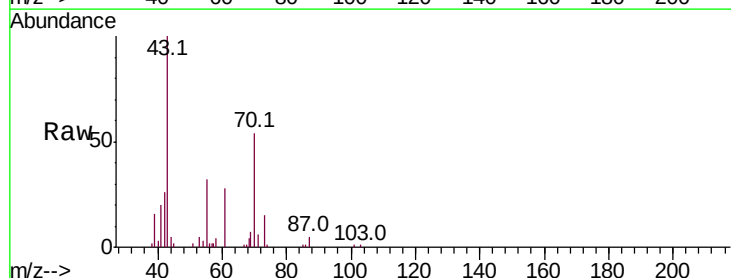
Ion Ratio Lower Upper

43 100

70 58.4 44.6 66.8

55 28.5 22.2 33.2

61 28.6 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.29

25000

20000

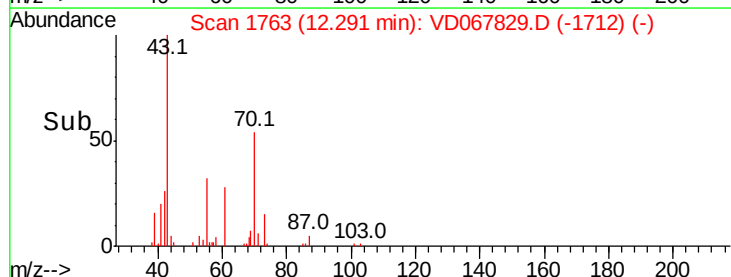
15000

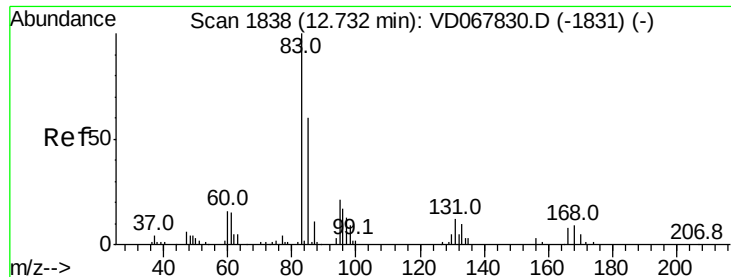
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.961 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

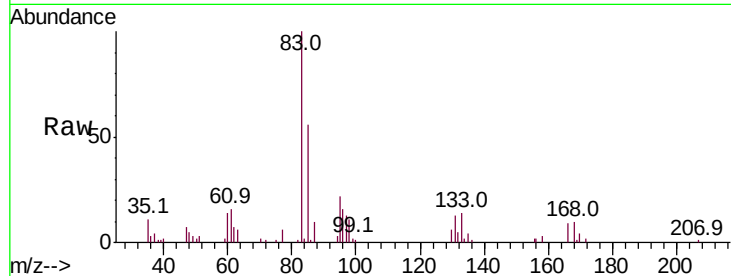
Tot Ion: 83 Resp: 29156

Ion Ratio Lower Upper

83 100

131 16.8 8.0 24.0

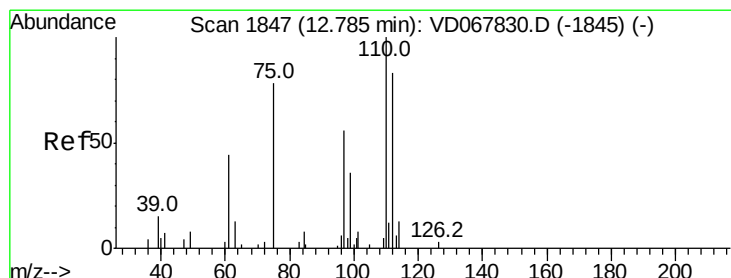
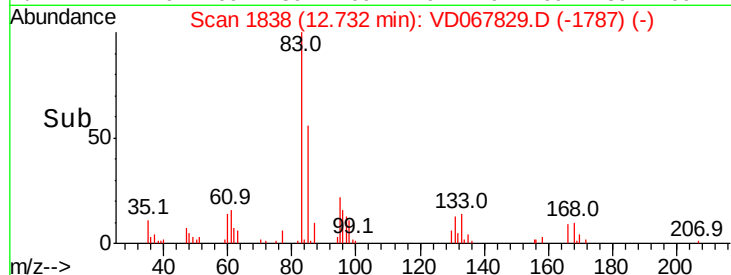
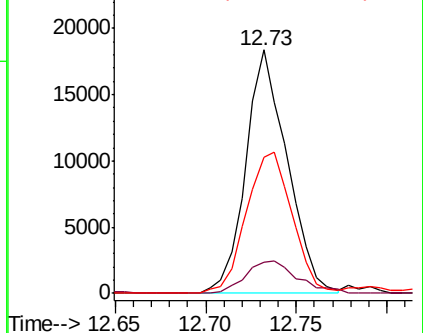
85 64.5 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 35.863 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD067829.D

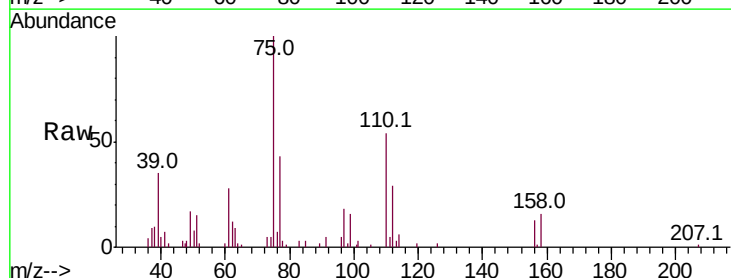
Acq: 01 Dec 2020 11:28

Tgt Ion: 75 Resp: 42906

Ion Ratio Lower Upper

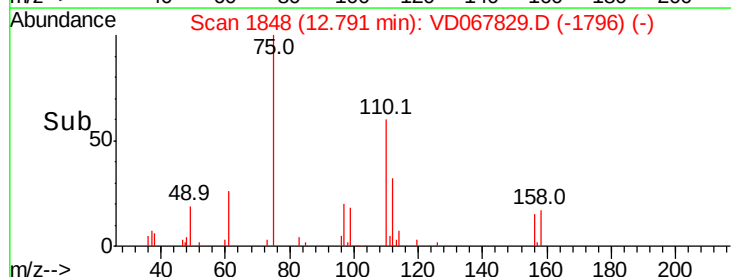
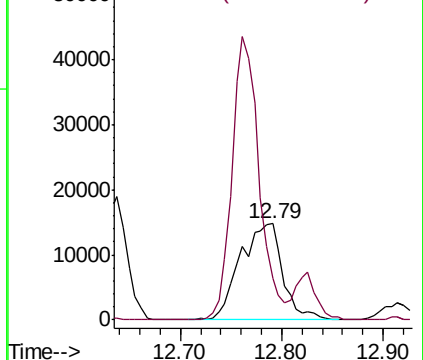
75 100

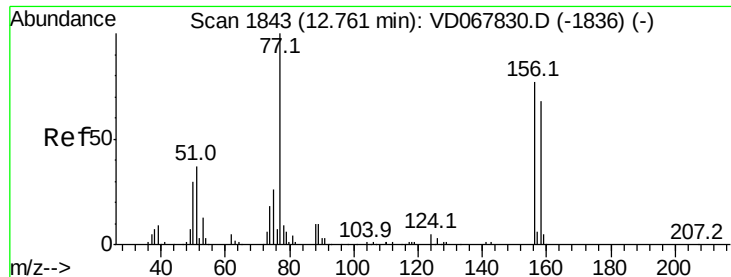
77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.691 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

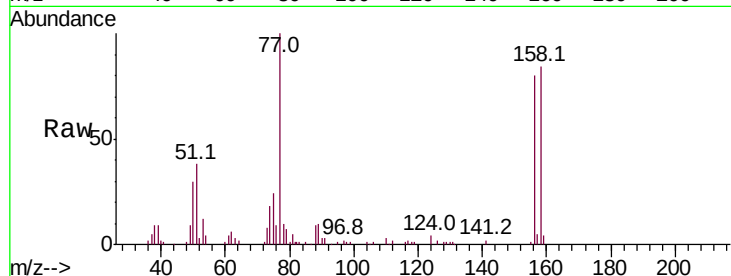
Tot Ion:156 Resp: 56910

Ion Ratio Lower Upper

156 100

77 142.2 71.5 214.5

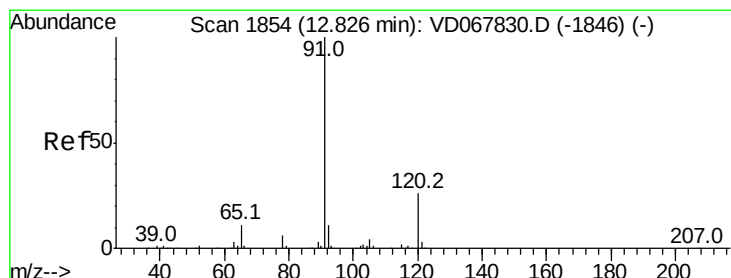
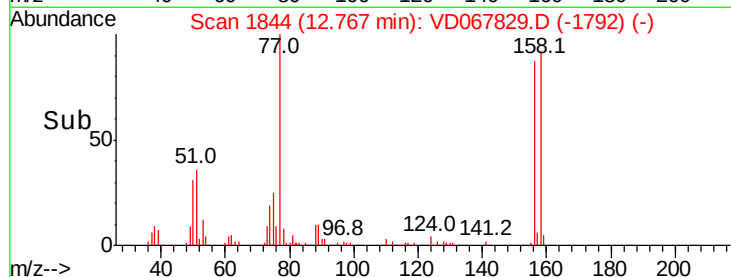
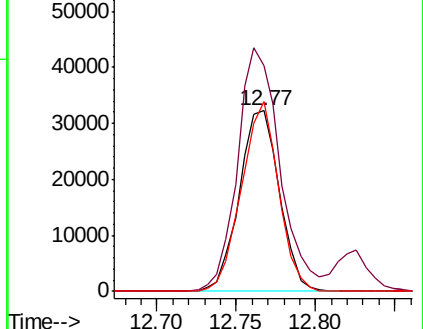
158 96.8 47.1 141.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.586 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067829.D

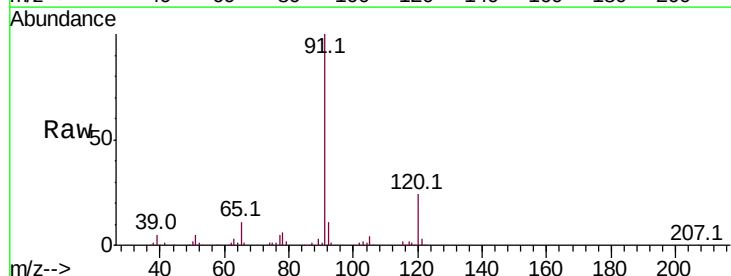
Acq: 01 Dec 2020 11:28

Tgt Ion: 91 Resp: 252425

Ion Ratio Lower Upper

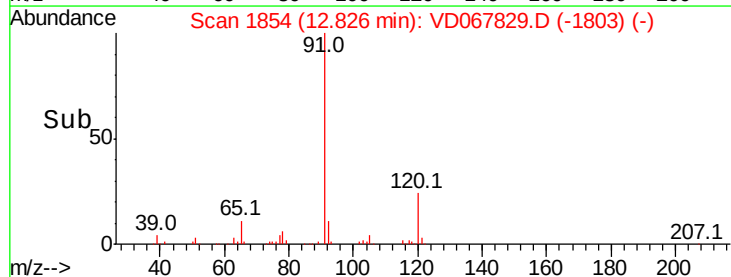
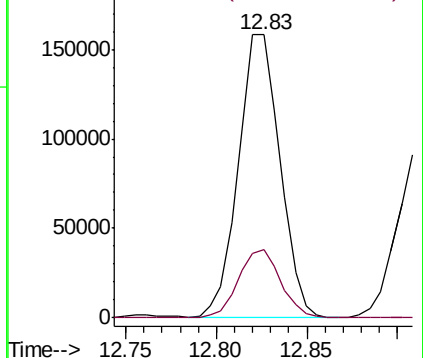
91 100

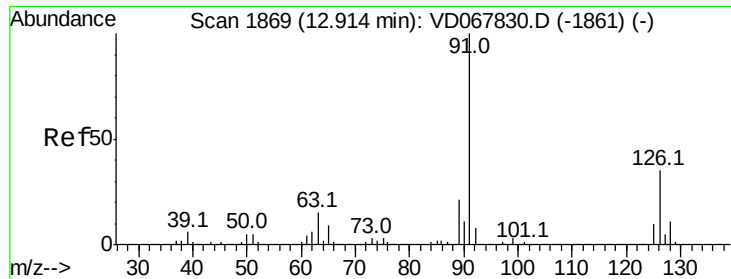
120 24.4 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

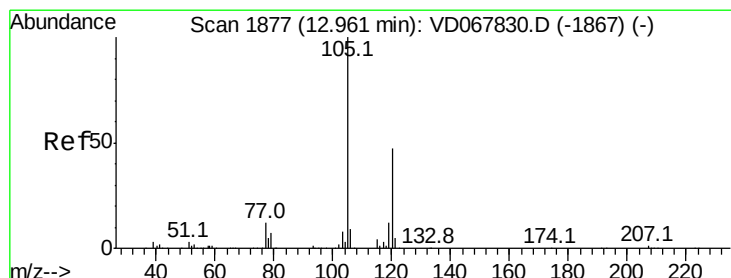
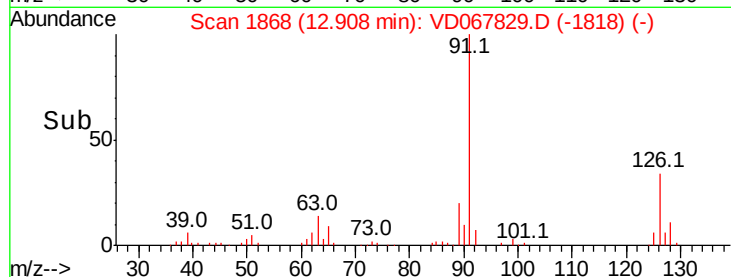
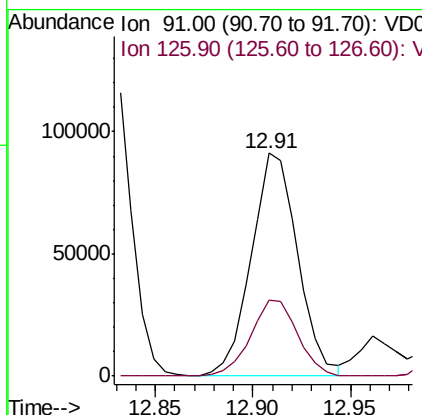
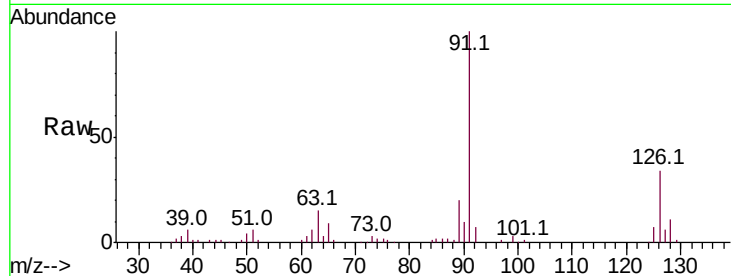




#79
2-Chlorotoluene
Concen: 20.790 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

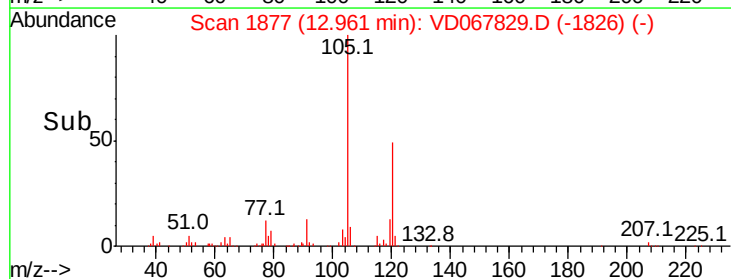
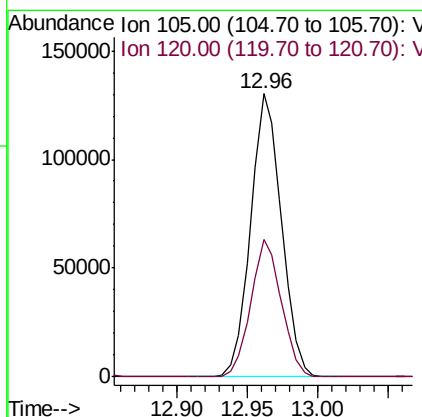
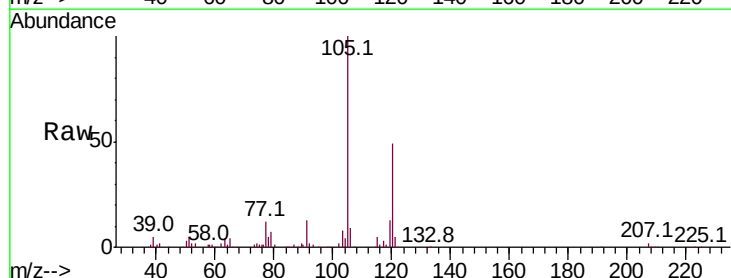
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

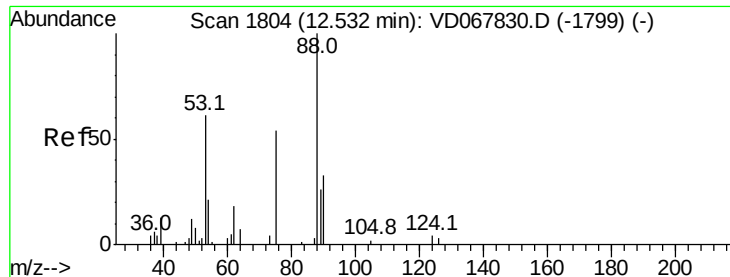
Tot Ion: 91 Resp: 149975
Ion Ratio Lower Upper
91 100
126 34.7 17.9 53.7



#80
1,3,5-Trimethylbenzene
Concen: 20.873 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion:105 Resp: 199940
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 20.718 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

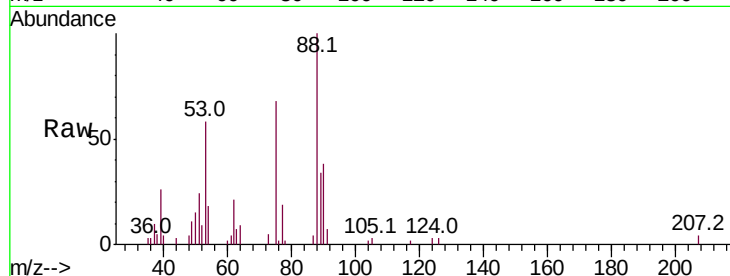
Tot Ion: 75 Resp: 10147

Ion Ratio Lower Upper

75 100

53 104.3 84.6 127.0

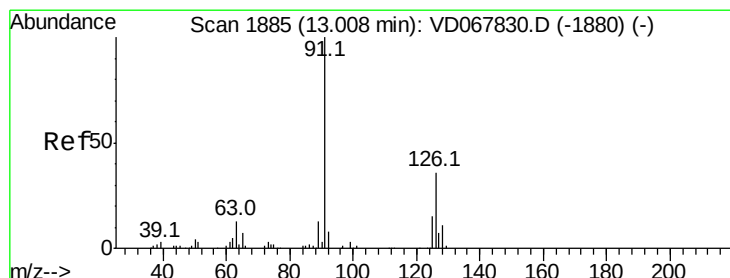
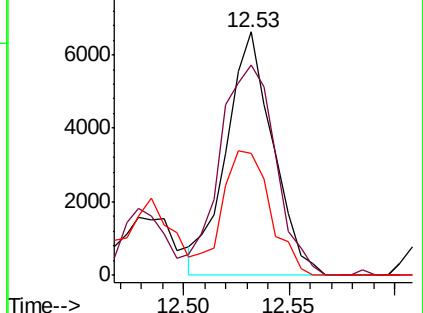
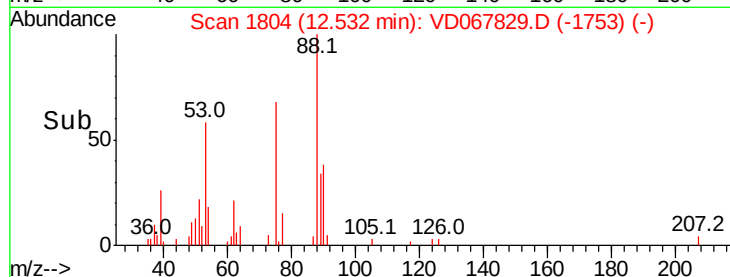
89 53.2 41.0 61.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.083 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067829.D

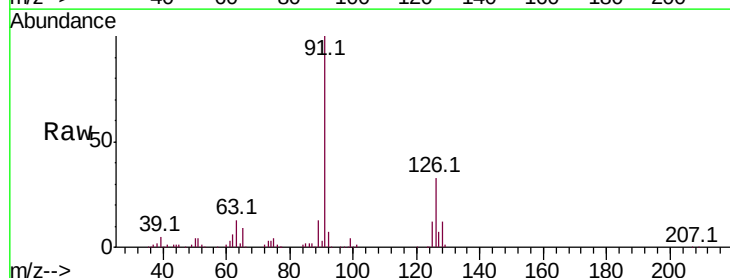
Acq: 01 Dec 2020 11:28

Tgt Ion: 91 Resp: 162238

Ion Ratio Lower Upper

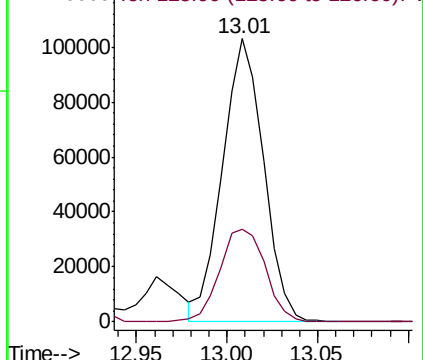
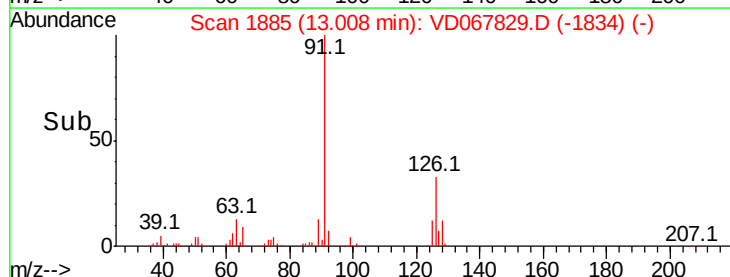
91 100

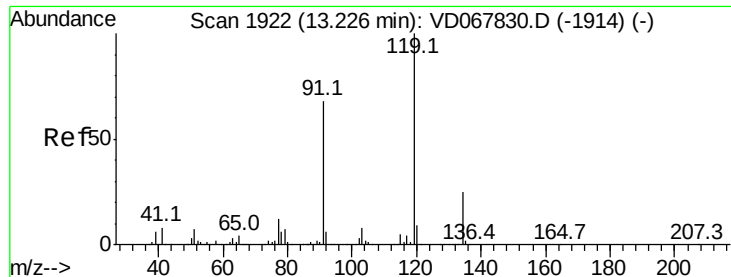
126 36.5 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

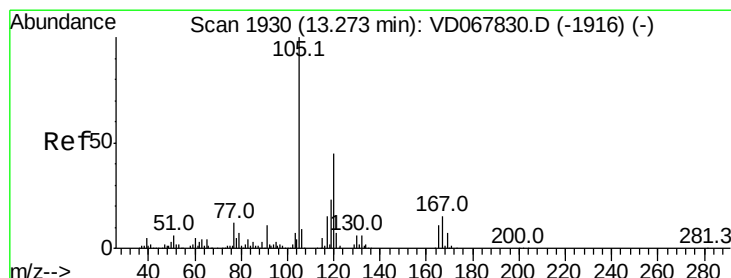
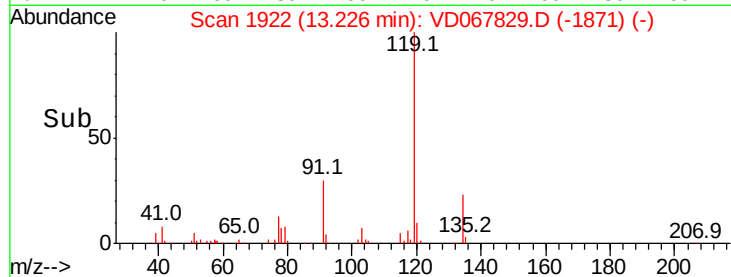
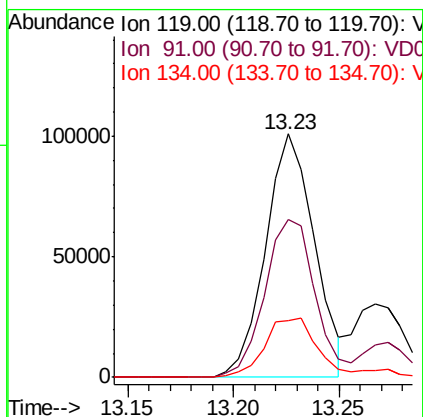
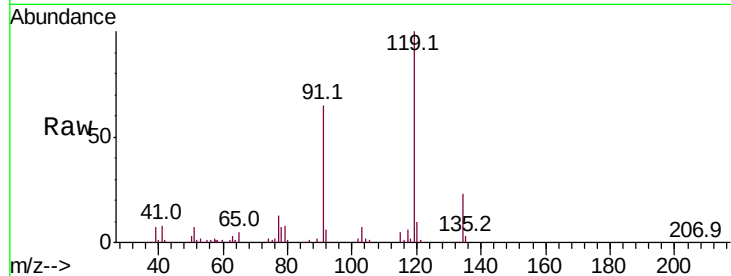




#83
tert-Butylbenzene
Concen: 19.985 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

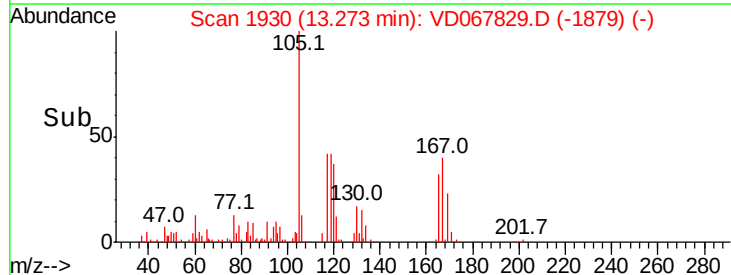
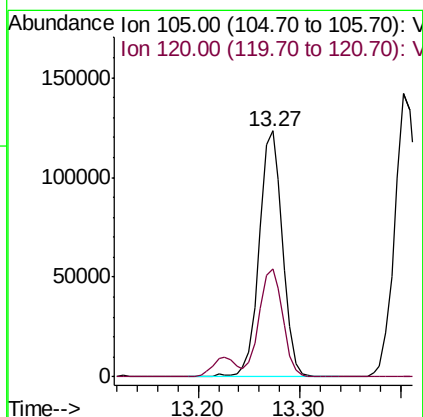
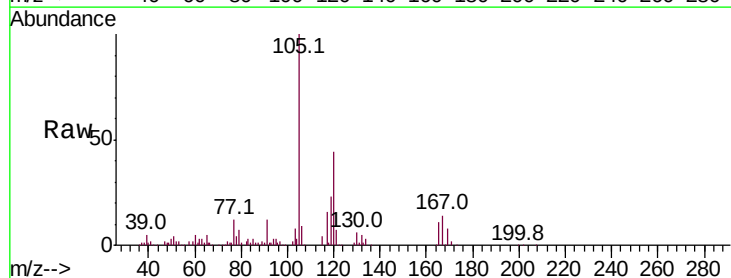
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

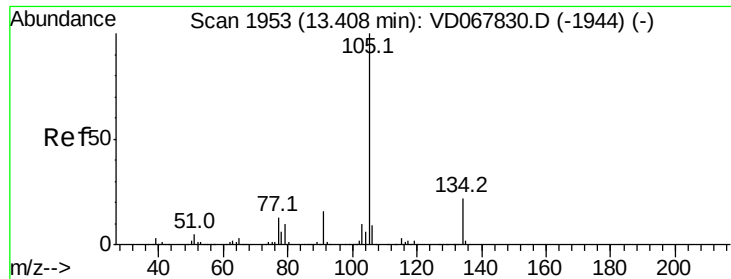
Tot Ion:119 Resp: 162898
Ion Ratio Lower Upper
119 100
91 67.0 33.1 99.3
134 26.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.761 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion:105 Resp: 197748
Ion Ratio Lower Upper
105 100
120 44.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.517 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

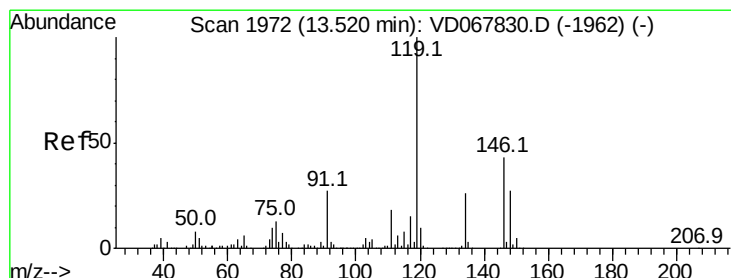
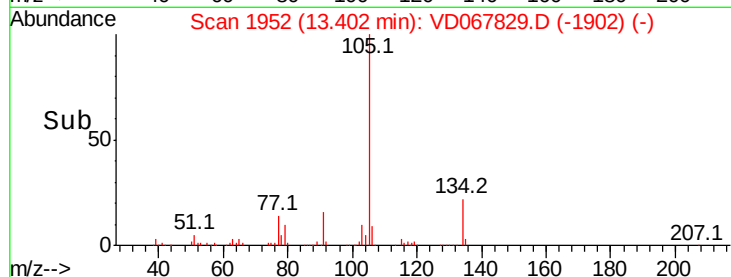
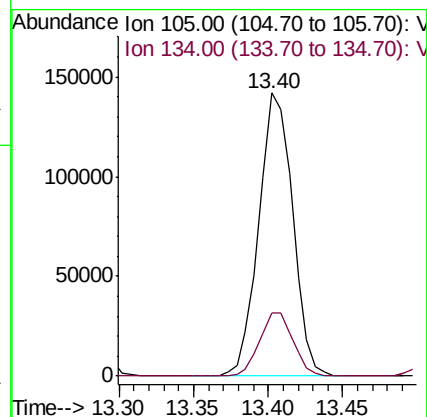
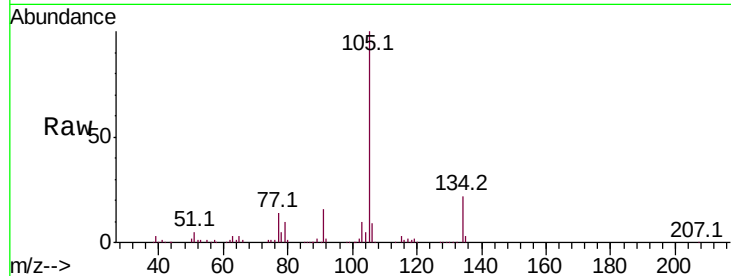
VSTDIC020

Tot Ion:105 Resp: 223211

Ion Ratio Lower Upper

105 100

134 22.1 10.9 32.9



#86

p-Isopropyltoluene

Concen: 20.820 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

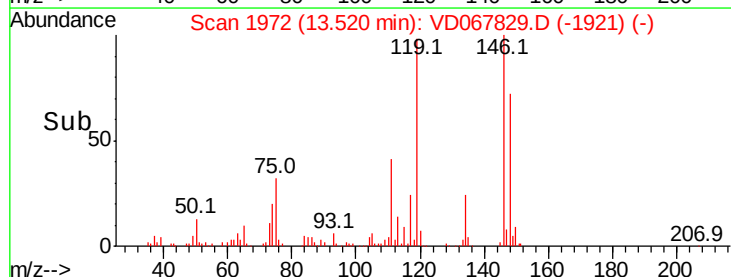
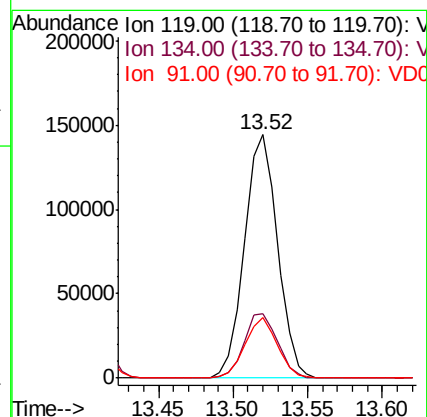
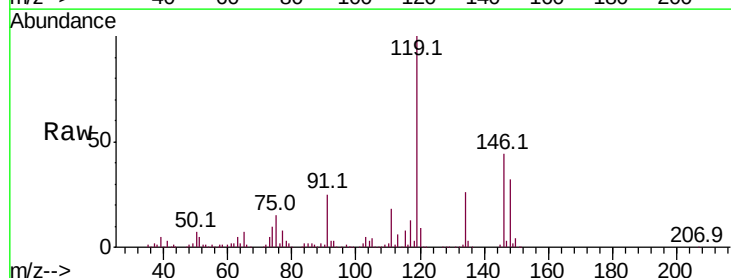
Tgt Ion:119 Resp: 221992

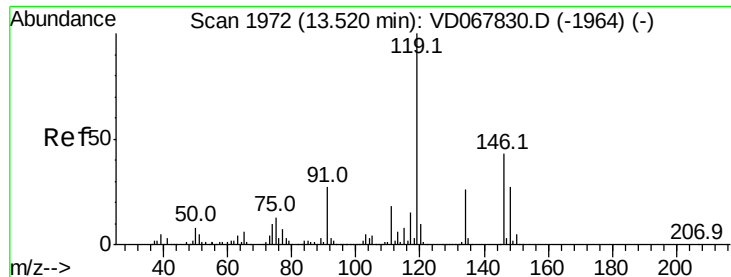
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 24.1 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 20.651 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

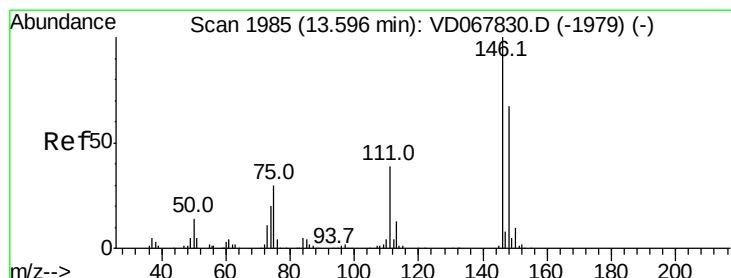
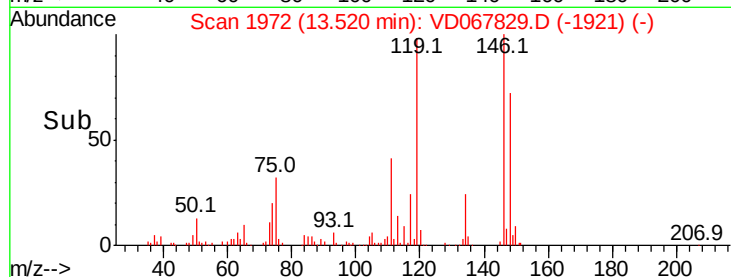
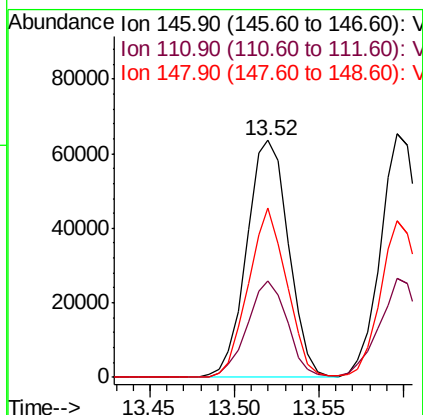
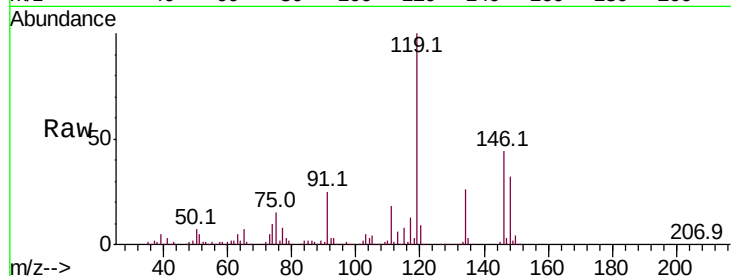
Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:146 Resp: 109569

Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.8	62.2
148	65.8	32.9	98.6



#88

1,4-Dichlorobenzene

Concen: 20.324 ug/l

RT: 13.60 min Scan# 1985

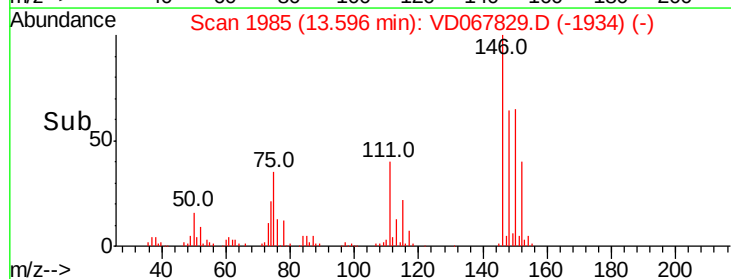
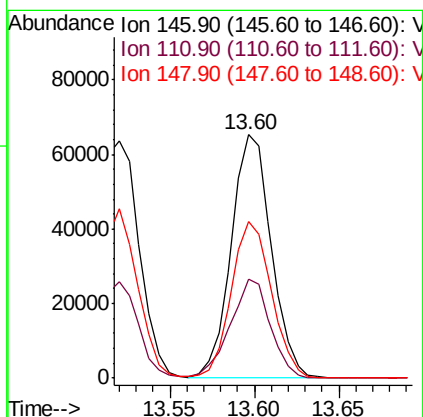
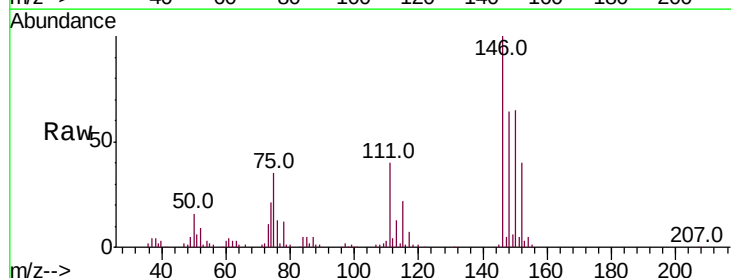
Delta R.T. 0.00 min

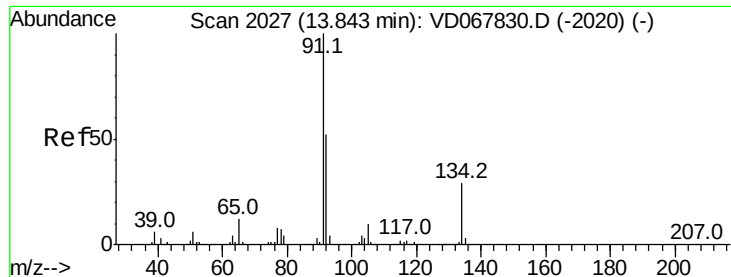
Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Tgt Ion:146 Resp: 107878

Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.9	59.6
148	64.5	32.4	97.2

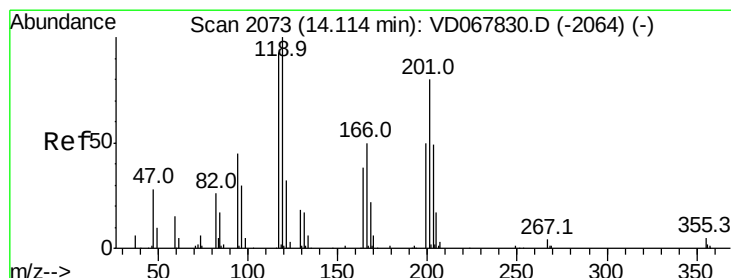
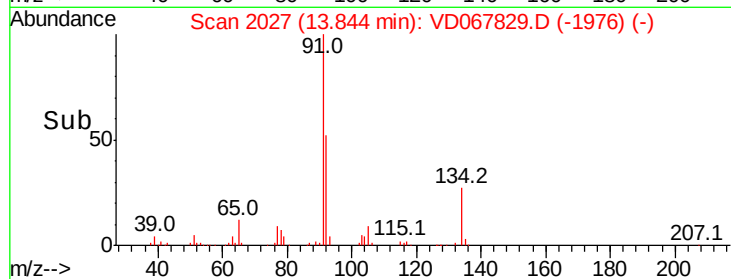
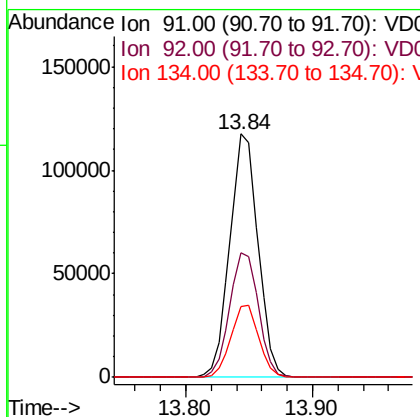
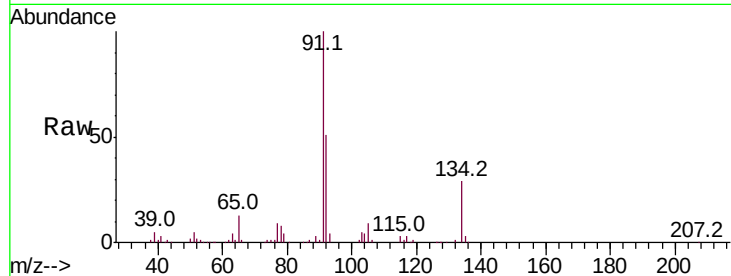




#89
n-Butylbenzene
Concen: 20.385 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

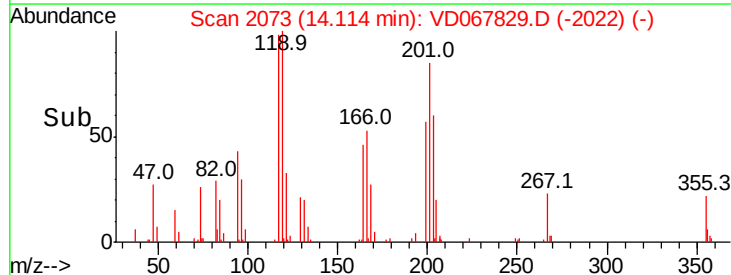
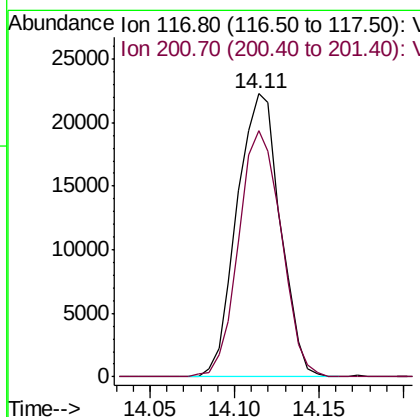
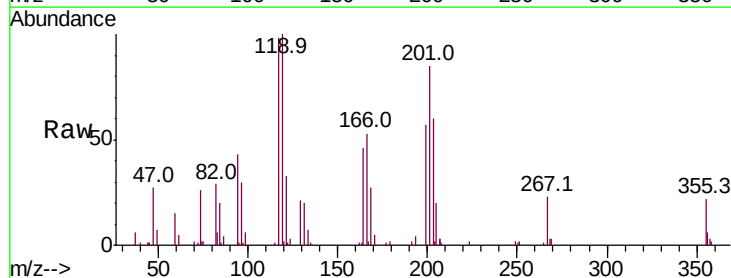
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

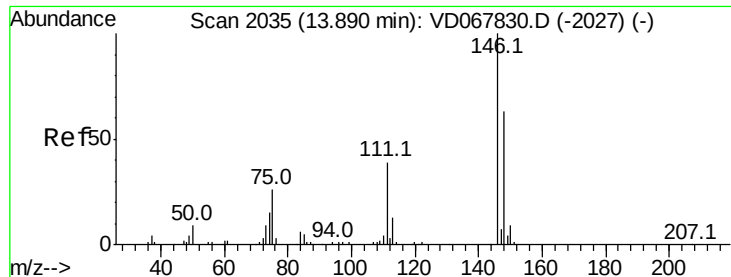
Tot Ion: 91 Resp: 180573
Ion Ratio Lower Upper
91 100
92 52.0 26.3 78.8
134 29.3 14.8 44.3



#90
Hexachloroethane
Concen: 20.235 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion: 117 Resp: 39833
Ion Ratio Lower Upper
117 100
201 85.4 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 20.163 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

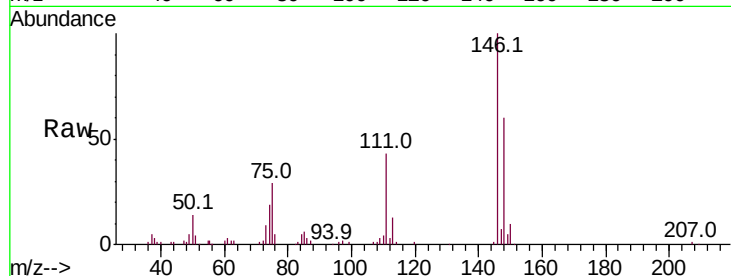
Tot Ion:146 Resp: 92782

Ion Ratio Lower Upper

146 100

111 43.6 20.4 61.2

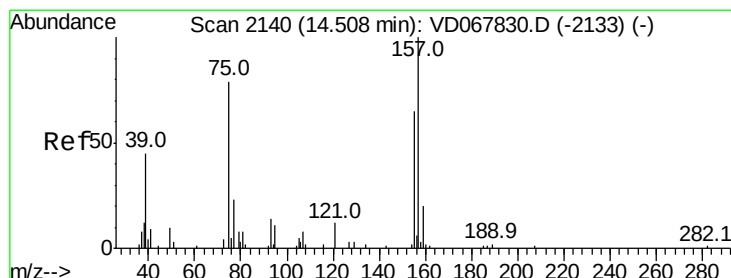
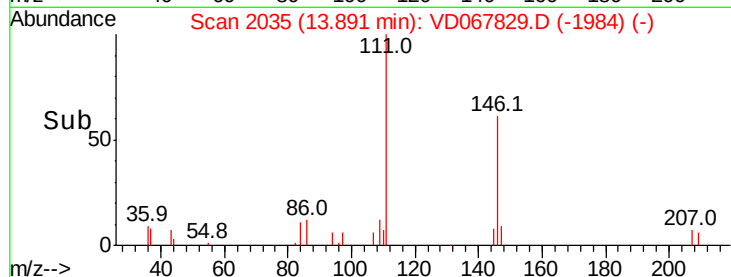
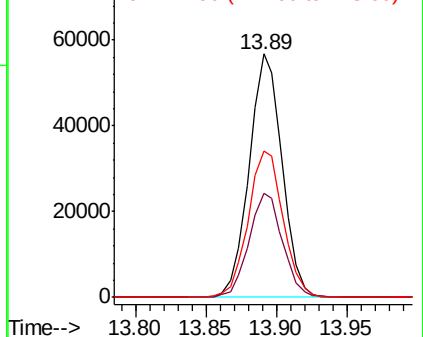
148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.893 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD067829.D

Acq: 01 Dec 2020 11:28

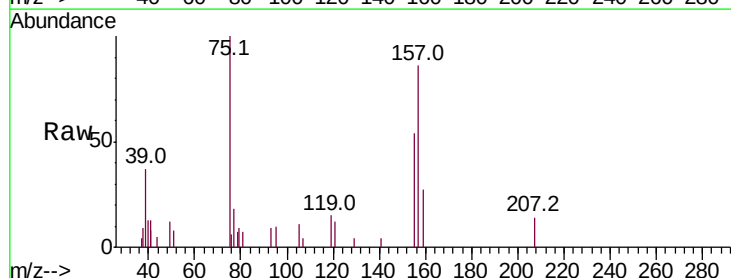
Tgt Ion: 75 Resp: 6064

Ion Ratio Lower Upper

75 100

155 89.1 44.1 132.4

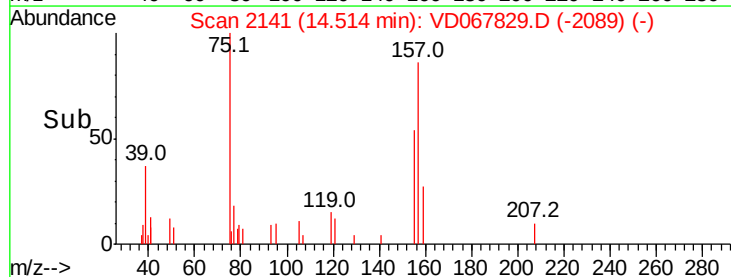
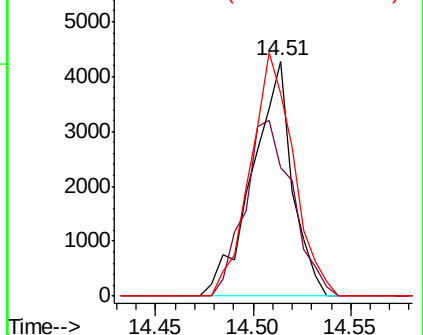
157 111.6 62.4 187.2

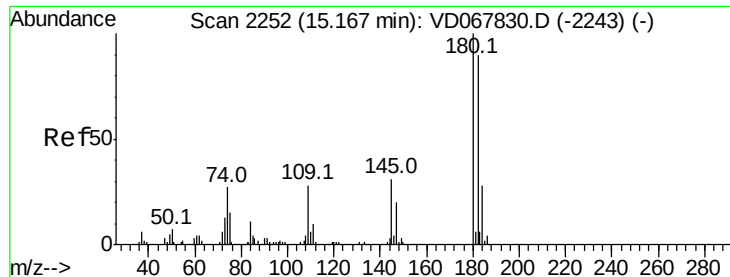


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

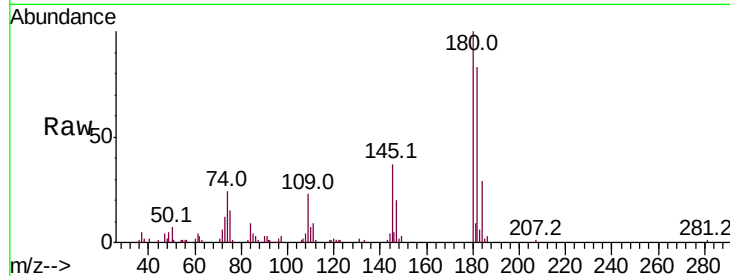




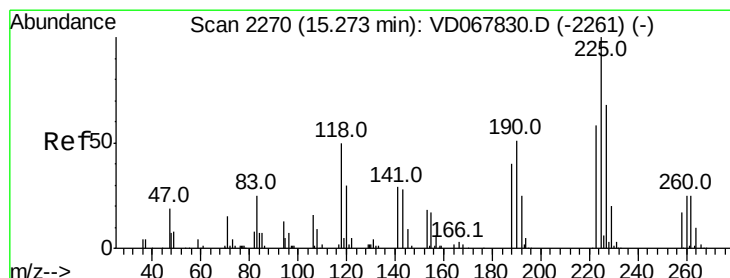
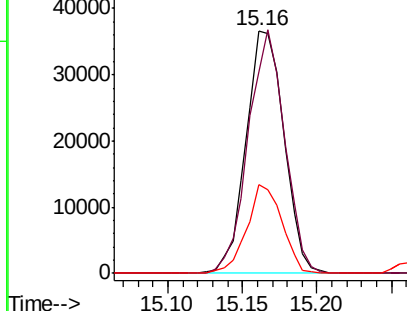
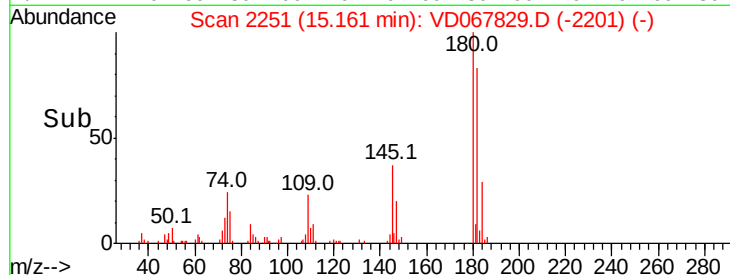
#93
 1,2,4-Trichlorobenzene
 Concen: 19.963 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	33.9	16.4	49.4

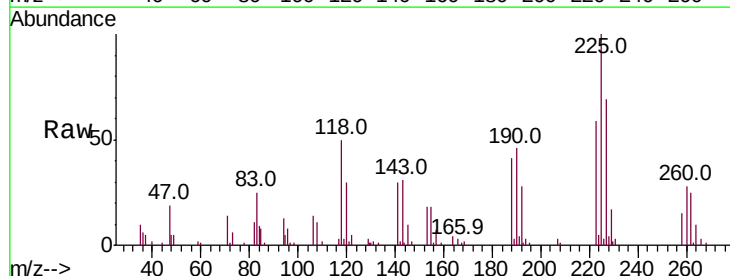


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

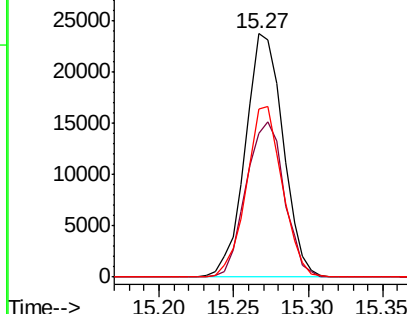
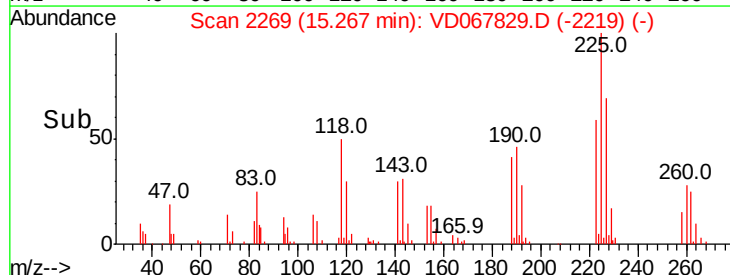


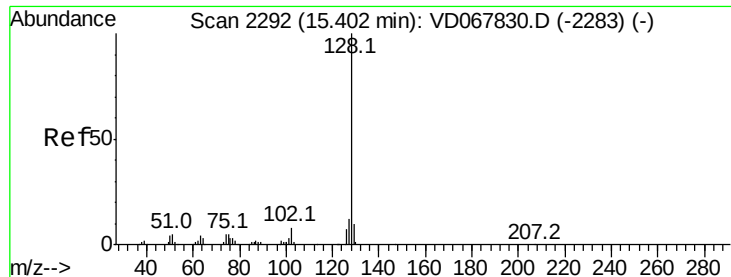
#94
 Hexachlorobutadiene
 Concen: 19.826 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067829.D
 Acq: 01 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.1	93.3
227	66.6	33.1	99.3



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

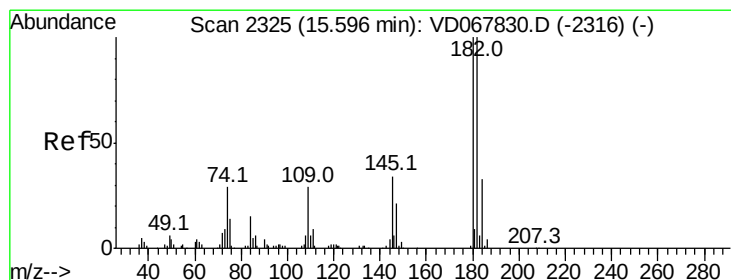
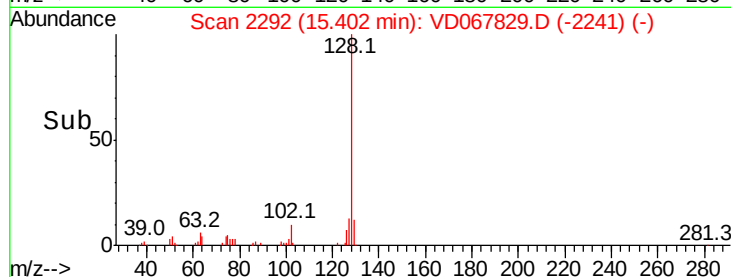
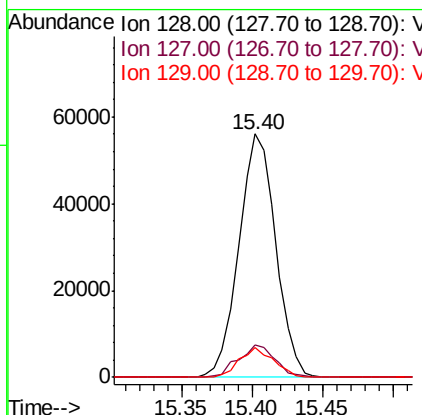
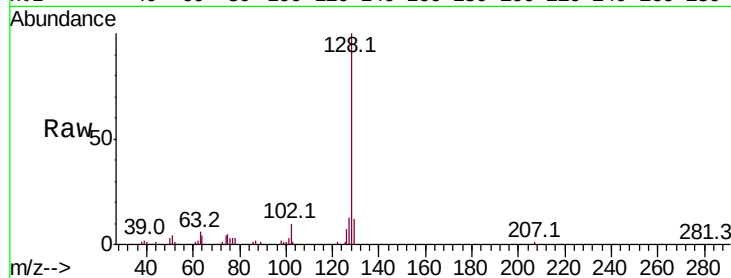




#95
Naphthalene
Concen: 19.546 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 102377
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.3 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 20.715 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067829.D
Acq: 01 Dec 2020 11:28

Tgt Ion:180 Resp: 57581
Ion Ratio Lower Upper
180 100
182 94.6 47.3 142.0
145 32.9 16.8 50.4

