

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062363.D
 Acq On : 6 Jul 2020 12:50
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 07 04:37:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 04:35:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	1023023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1730941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1568968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	678237	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	99649	6.44	ug/l	0.00
Spiked Amount			Recovery	=	12.88%	
35) Dibromofluoromethane	7.55	113	56205	4.89	ug/l	0.00
Spiked Amount			Recovery	=	9.78%	
50) Toluene-d8	10.06	98	216557	4.76	ug/l	0.00
Spiked Amount			Recovery	=	9.52%	
62) 4-Bromofluorobenzene	12.38	95	77290	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	55972	4.801	ug/l	93
3) Chloromethane	2.04	50	88448	5.662	ug/l	98
4) Vinyl Chloride	2.16	62	74305	4.191	ug/l	98
5) Bromomethane	2.52	94	38714	3.487	ug/l	98
6) Chloroethane	2.66	64	47813	4.039	ug/l	98
7) Trichlorofluoromethane	2.98	101	111004	4.907	ug/l	89
8) Diethyl Ether	3.37	74	38397	4.875	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57447	4.900	ug/l	97
10) Methyl Iodide	3.91	142	60007	4.485	ug/l	99
11) Tert butyl alcohol	4.74	59	63485	28.862	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	52543	4.516	ug/l	95
13) Acrolein	3.57	56	37910	20.532	ug/l #	79
14) Allyl chloride	4.27	41	126694	7.160	ug/l	98
15) Acrylonitrile	4.93	53	163764	27.839	ug/l	98
16) Acetone	3.78	43	210991	36.884	ug/l	93
17) Carbon Disulfide	4.01	76	170594	4.591	ug/l	95
18) Methyl Acetate	4.28	43	88243	6.999	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	100425	2.621	ug/l	94
20) Methylene Chloride	4.50	84	77191	5.349	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	57569	4.363	ug/l	93
22) Diisopropyl ether	5.90	45	252231	6.396	ug/l	93
23) Vinyl Acetate	5.84	43	1069080	33.304	ug/l	98
24) 1,1-Dichloroethane	5.80	63	131995	5.488	ug/l	95
25) 2-Butanone	6.79	43	258190	33.391	ug/l	98
26) 2,2-Dichloropropane	6.77	77	99733	5.017	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	63207	4.236	ug/l	96
28) Bromochloromethane	7.15	49	67851	6.132	ug/l	98
29) Tetrahydrofuran	7.17	42	161977	32.066	ug/l	97
30) Chloroform	7.33	83	131597	5.446	ug/l	92
31) Cyclohexane	7.62	56	141330	6.843	ug/l #	76
32) 1,1,1-Trichloroethane	7.53	97	100835	4.950	ug/l	97
36) 1,1-Dichloropropene	7.75	75	90254	5.117	ug/l	99
37) Ethyl Acetate	6.89	43	106457	6.703	ug/l #	96
38) Carbon Tetrachloride	7.73	117	90650	5.390	ug/l	92

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 Acq On : 6 Jul 2020 12:50
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 07 04:37:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 04:35:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	96448	5.017	ug/l	96
40) Benzene	8.00	78	263651	4.950	ug/l	96
41) Methacrylonitrile	7.13	41	44954	6.238	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	116207	6.183	ug/l	99
43) Isopropyl Acetate	8.13	43	172100	6.632	ug/l	98
44) Trichloroethene	8.80	130	62442	4.694	ug/l	98
45) 1,2-Dichloropropane	9.08	63	75955	5.622	ug/l	97
46) Dibromomethane	9.17	93	47463	5.279	ug/l	97
47) Bromodichloromethane	9.37	83	102491	5.598	ug/l	98
48) Methyl methacrylate	9.17	41	89921	7.542	ug/l	94
49) 1,4-Dioxane	9.17	88	24671	105.075	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	522509	34.769	ug/l	96
52) Toluene	10.12	92	156654	4.857	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	102736	5.085	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	113599	5.317	ug/l	94
55) 1,1,2-Trichloroethane	10.54	97	64395	5.080	ug/l	94
56) Ethyl methacrylate	10.40	69	94341	5.376	ug/l	97
57) 1,3-Dichloropropane	10.68	76	119990	5.406	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	162160	24.588	ug/l	99
59) 2-Hexanone	10.72	43	375493	34.235	ug/l	98
60) Dibromochloromethane	10.87	129	67292	4.937	ug/l	97
61) 1,2-Dibromoethane	10.98	107	62265	4.772	ug/l	98
64) Tetrachloroethene	10.60	164	50320	4.729	ug/l	94
65) Chlorobenzene	11.40	112	170851	4.977	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	59686	4.981	ug/l	93
67) Ethyl Benzene	11.48	91	293006	5.013	ug/l	100
68) m/p-Xylenes	11.60	106	208680	9.327	ug/l	94
69) o-Xylene	11.92	106	100494	4.763	ug/l	98
70) Styrene	11.94	104	158100	4.484	ug/l	97
71) Bromoform	12.10	173	47893	5.540	ug/l #	98
73) Isopropylbenzene	12.22	105	277418	5.298	ug/l	100
74) N-amyl acetate	12.05	43	129105	6.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	94211	5.365	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	119728	7.486	ug/l #	100
77) Bromobenzene	12.50	156	60455	4.678	ug/l	97
78) n-propylbenzene	12.57	91	308802	5.140	ug/l	99
79) 2-Chlorotoluene	12.65	91	190199	5.210	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	223517	5.237	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	26613	4.812	ug/l	97
82) 4-Chlorotoluene	12.75	91	194982	5.165	ug/l	99
83) tert-Butylbenzene	12.97	119	188174	5.181	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	220362	5.182	ug/l	97
85) sec-Butylbenzene	13.15	105	242822	5.034	ug/l	99
86) p-Isopropyltoluene	13.26	119	216127	5.126	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	112630	4.948	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	113341	4.825	ug/l	95
89) n-Butylbenzene	13.59	91	177880	5.037	ug/l	97
90) Hexachloroethane	13.85	117	42641	5.081	ug/l	89
91) 1,2-Dichlorobenzene	13.63	146	108376	4.908	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	18638	6.409	ug/l	99

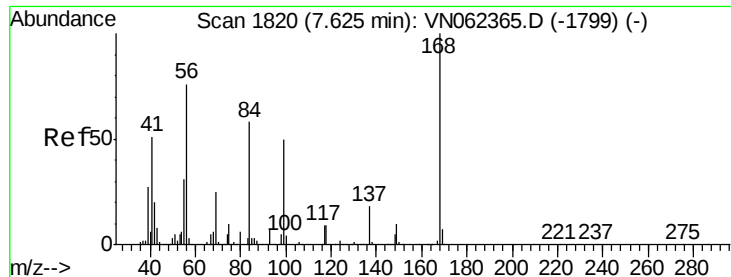
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
Data File : VN062363.D
Acq On : 6 Jul 2020 12:50
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jul 07 04:37:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 07 04:35:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	40973	4.201	ug/l	98
94) Hexachlorobutadiene	14.98	225	31327	6.993	ug/l	99
95) Naphthalene	15.10	128	102464	3.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	40350	4.057	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

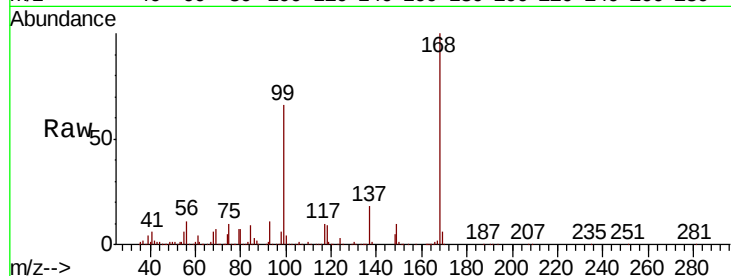
VSTDIC005

Tot Ion:168 Resp: 1023023

Ion Ratio Lower Upper

168 100

99 65.6 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062363.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062363.D (-1727) (-)

7.62

400000

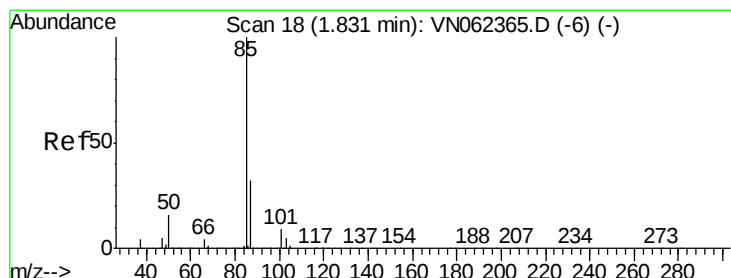
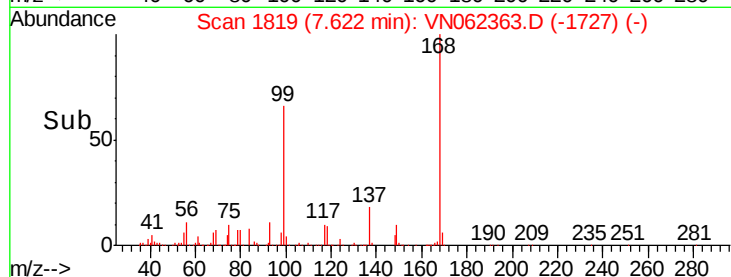
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.801 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062363.D

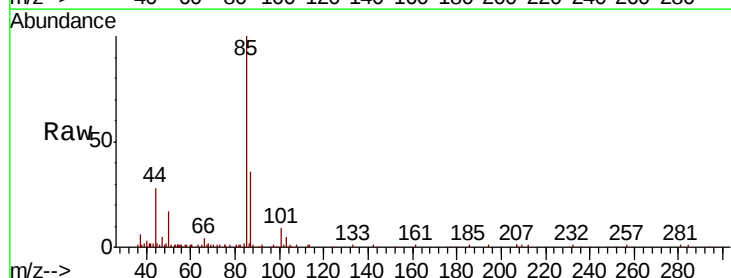
Acq: 6 Jul 2020 12:50

Tgt Ion: 85 Resp: 55972

Ion Ratio Lower Upper

85 100

87 35.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN062363.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN062363.D (-1) (-)

1.83

40000

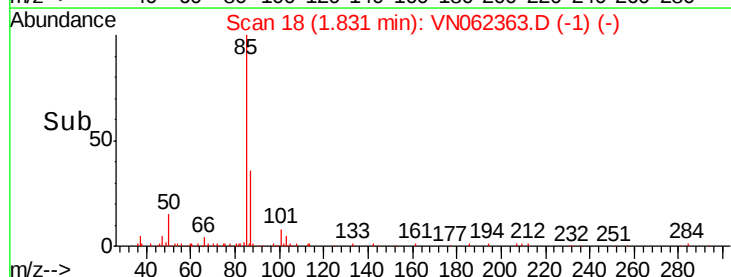
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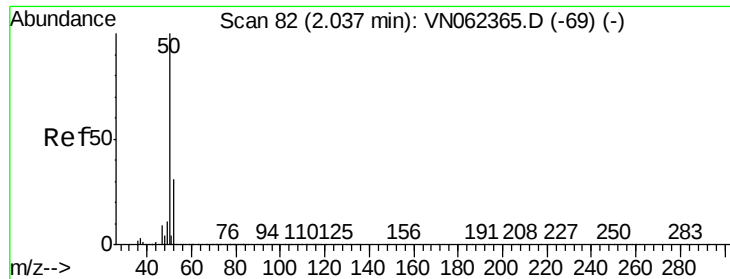
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Time-->

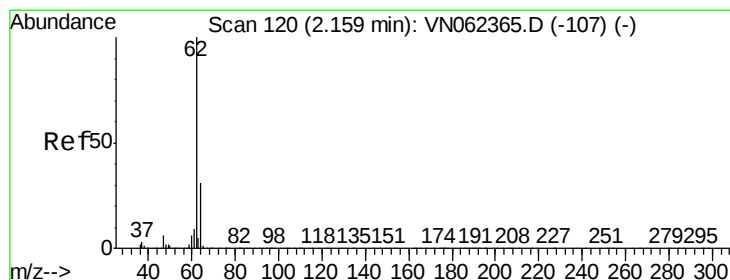
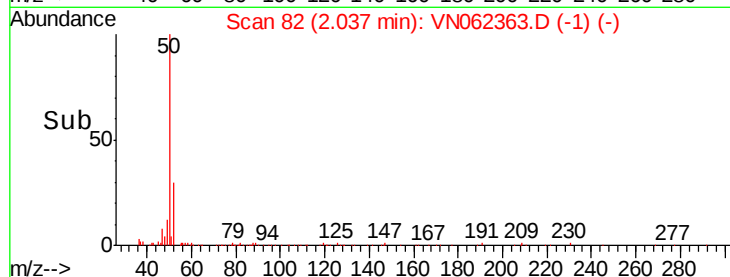
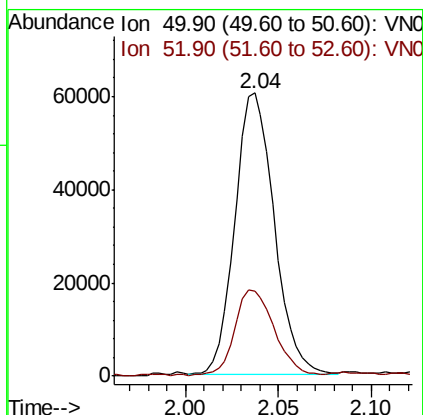
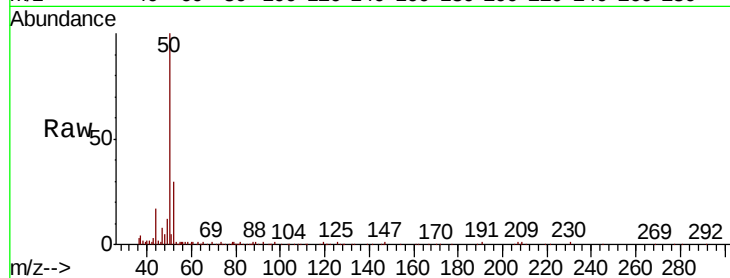




#3
Chloromethane
Concen: 5.662 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

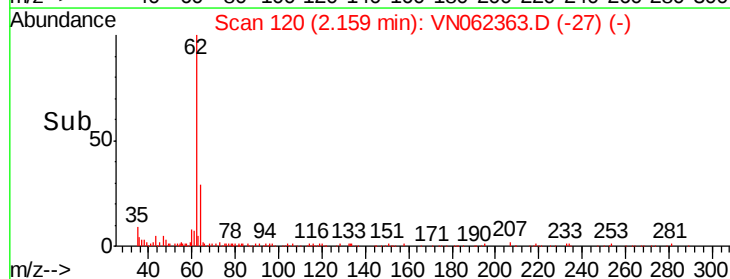
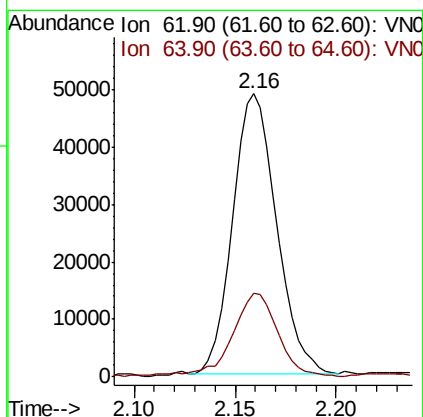
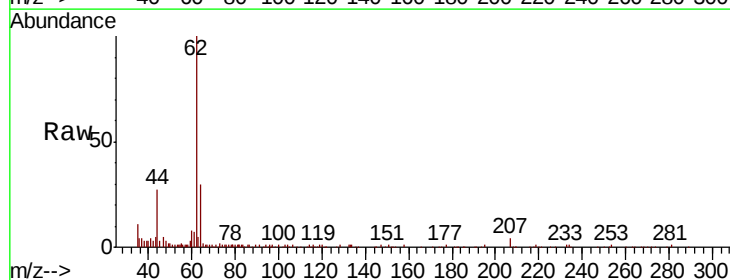
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

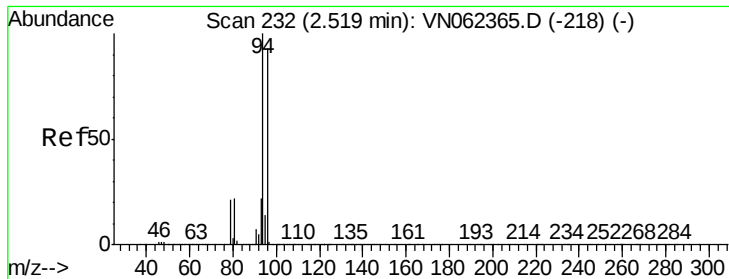
Tot Ion: 50 Resp: 88448
Ion Ratio Lower Upper
50 100
52 30.0 25.0 37.6



#4
Vinyl Chloride
Concen: 4.191 ug/l
RT: 2.16 min Scan# 120
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 62 Resp: 74305
Ion Ratio Lower Upper
62 100
64 29.9 24.9 37.3





#5

Bromomethane

Concen: 3.487 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

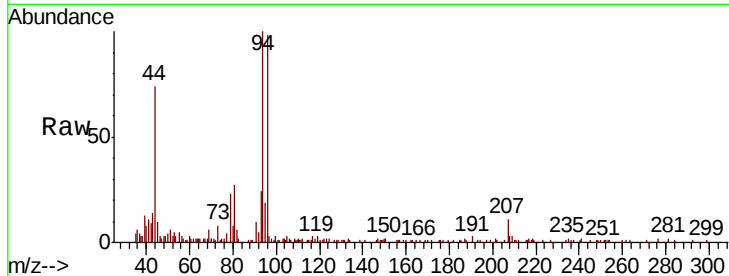
VSTDIC005

Tot Ion: 94 Resp: 38714

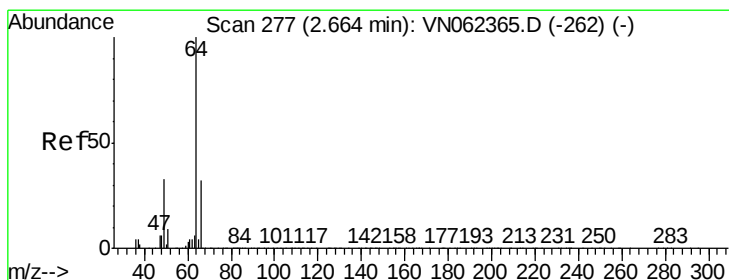
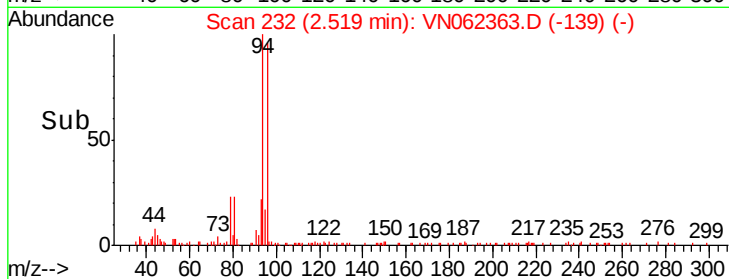
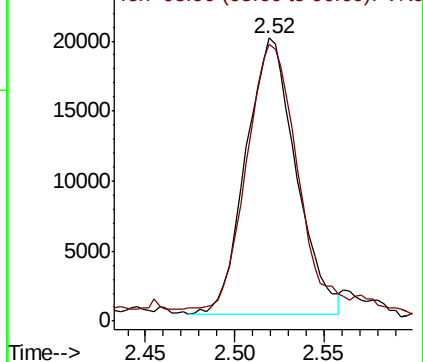
Ion Ratio Lower Upper

94 100

96 95.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 4.039 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062363.D

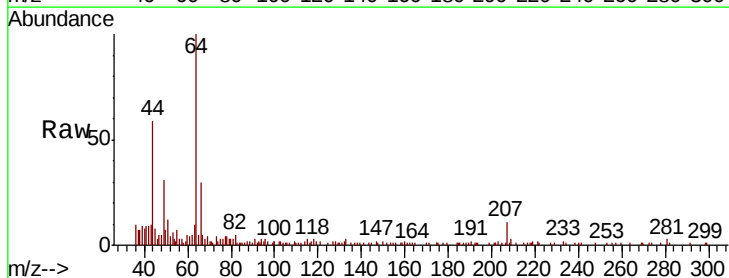
Acq: 6 Jul 2020 12:50

Tgt Ion: 64 Resp: 47813

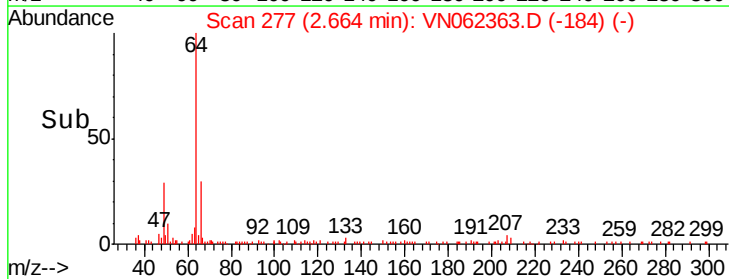
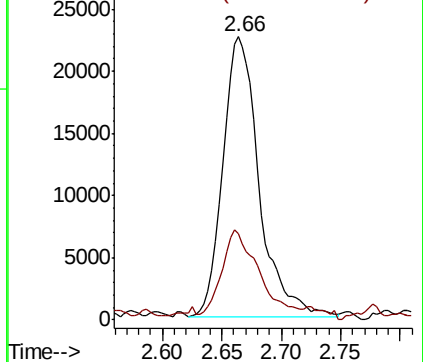
Ion Ratio Lower Upper

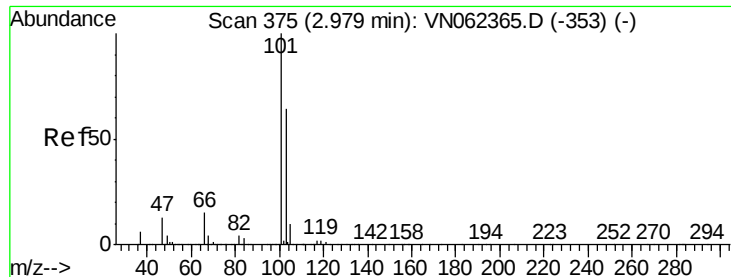
64 100

66 30.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



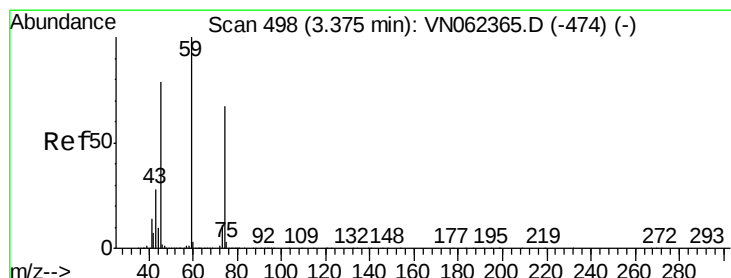
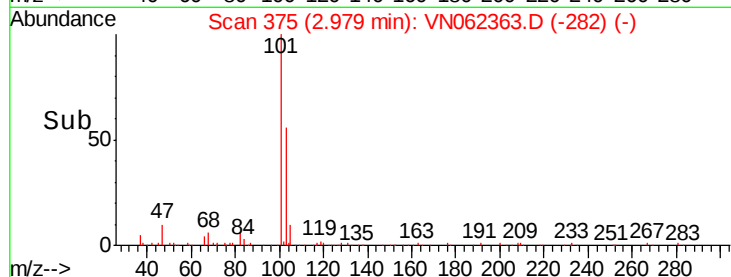
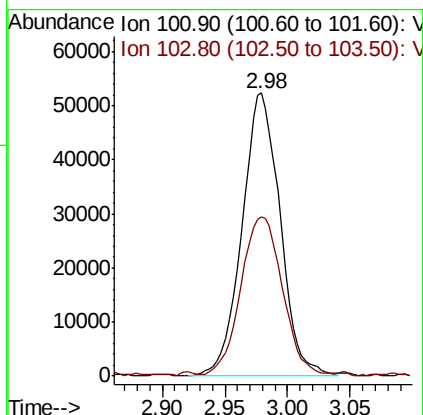
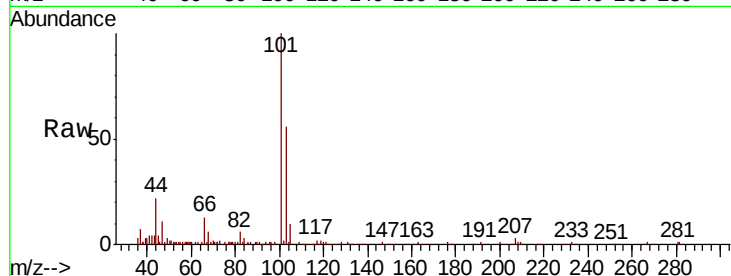


#7

Trichlorofluoromethane
Concen: 4.907 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

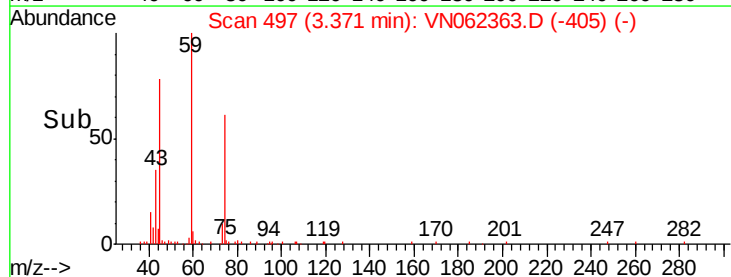
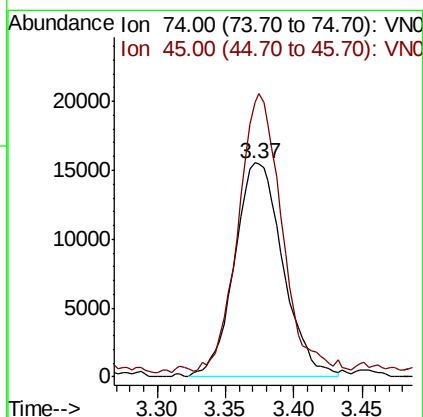
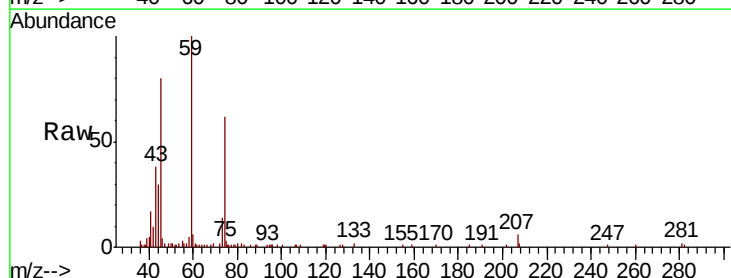
Tot Ion:101 Resp: 111004
Ion Ratio Lower Upper
101 100
103 55.2 51.0 76.6

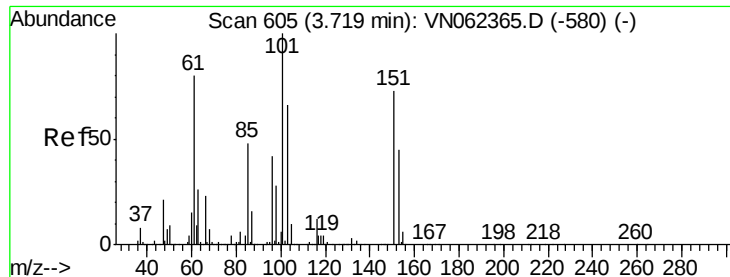


#8

Diethyl Ether
Concen: 4.875 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 74 Resp: 38397
Ion Ratio Lower Upper
74 100
45 114.1 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.900 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

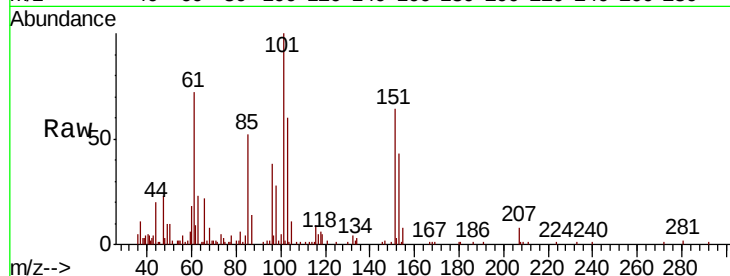
Tot Ion:101 Resp: 57447

Ion Ratio Lower Upper

101 100

85 51.3 38.6 57.8

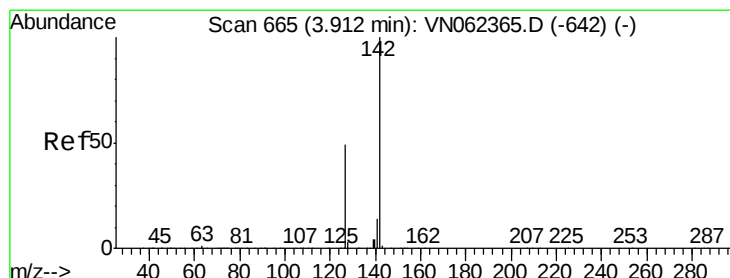
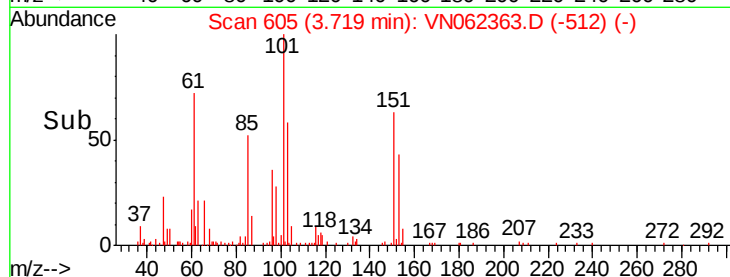
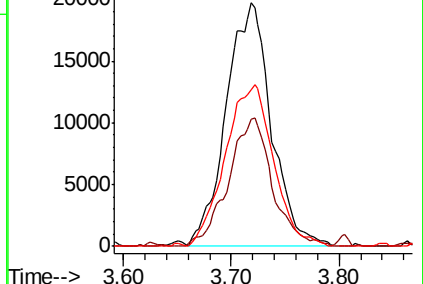
151 70.7 58.3 87.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.485 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

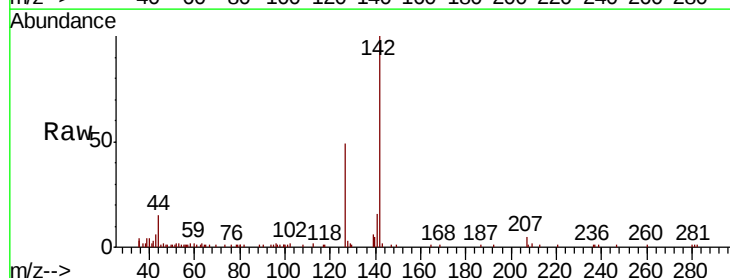
Tgt Ion:142 Resp: 60007

Ion Ratio Lower Upper

142 100

127 51.5 41.0 61.6

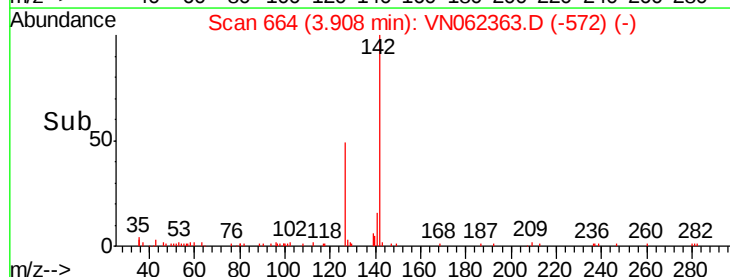
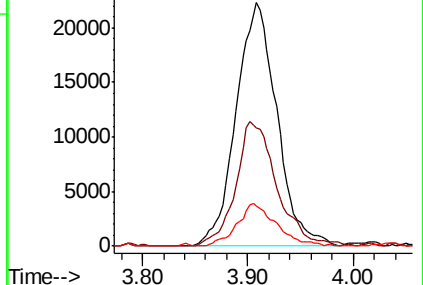
141 16.1 11.8 17.8

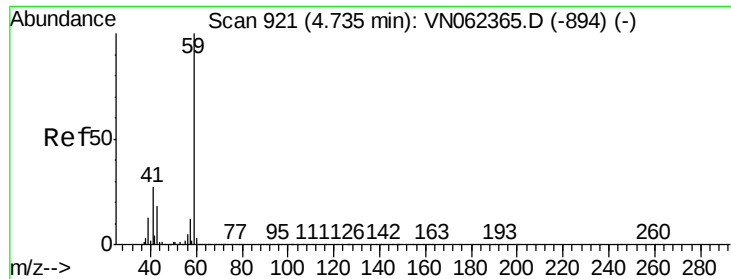


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

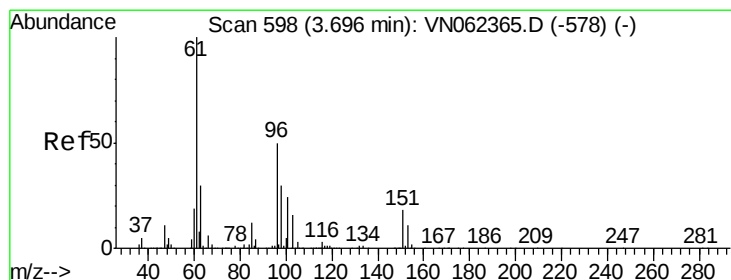
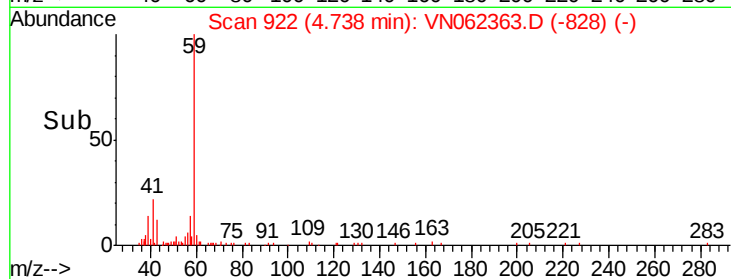
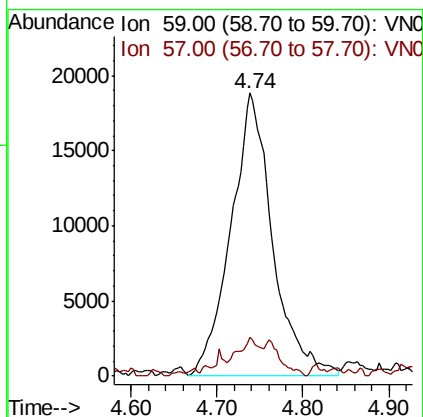
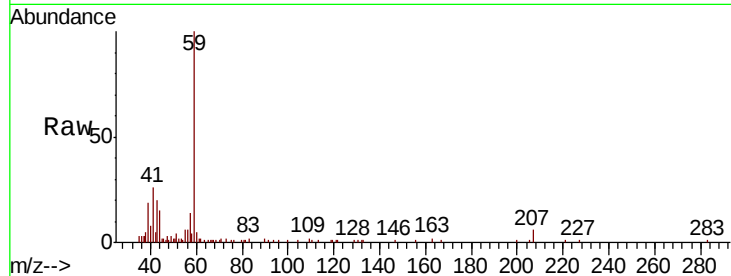




#11
Tert butyl alcohol
Concen: 28.862 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

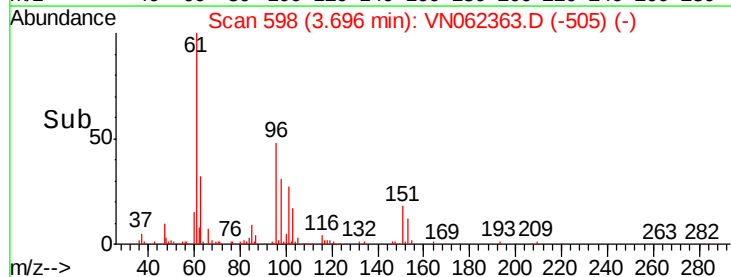
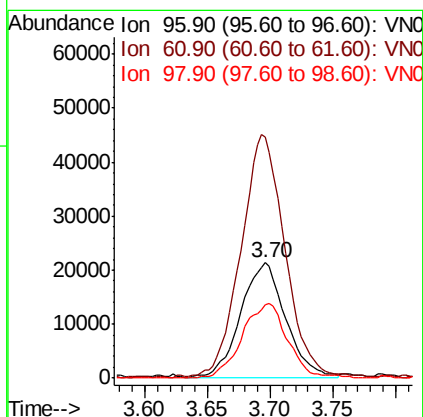
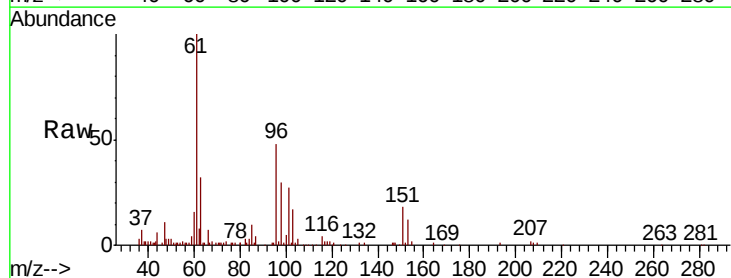
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

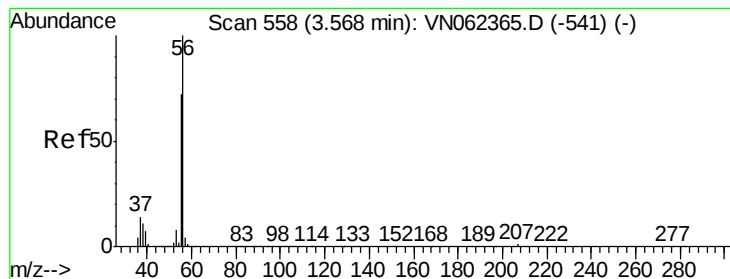
Tot Ion: 59 Resp: 63485
Ion Ratio Lower Upper
59 100
57 5.5 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 4.516 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 96 Resp: 52543
Ion Ratio Lower Upper
96 100
61 210.1 161.4 242.0
98 64.4 48.8 73.2





#13

Acrolein

Concen: 20.532 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

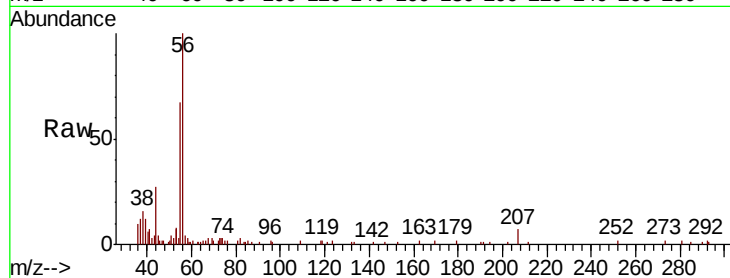
VSTDIC005

Tot Ion: 56 Resp: 37910

Ion Ratio Lower Upper

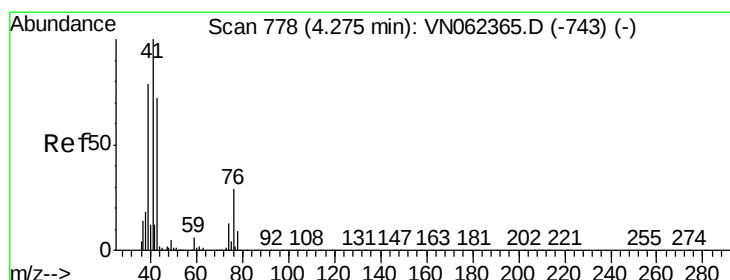
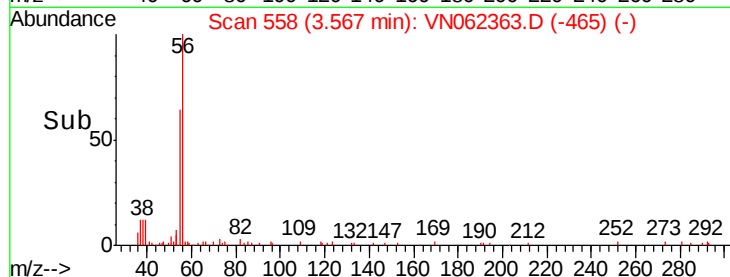
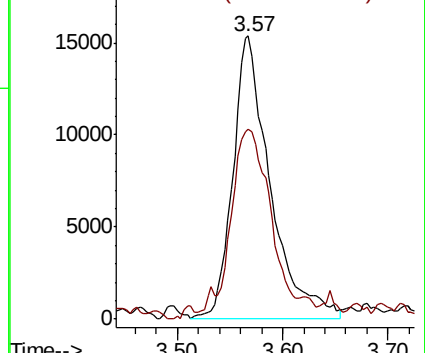
56 100

55 56.8 59.6 89.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 7.160 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

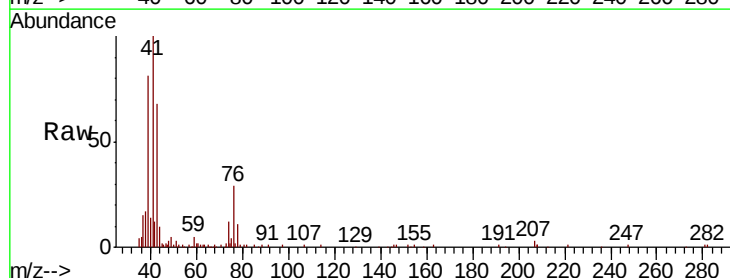
Tgt Ion: 41 Resp: 126694

Ion Ratio Lower Upper

41 100

39 77.0 59.8 89.6

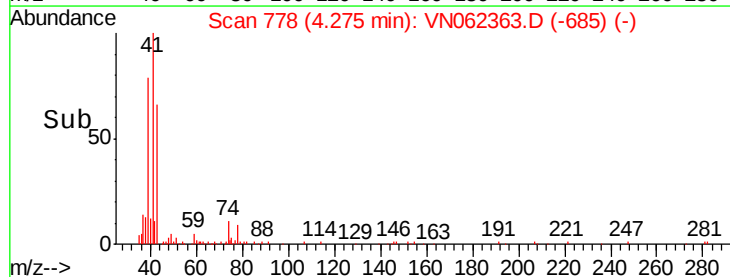
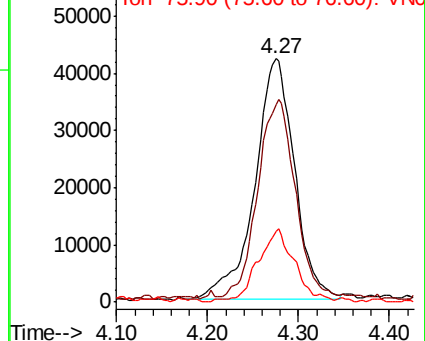
76 25.9 20.7 31.1

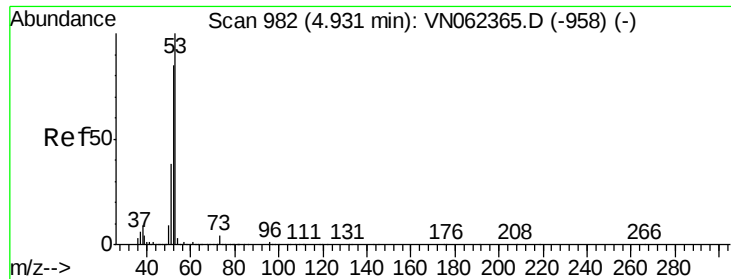


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 27.839 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

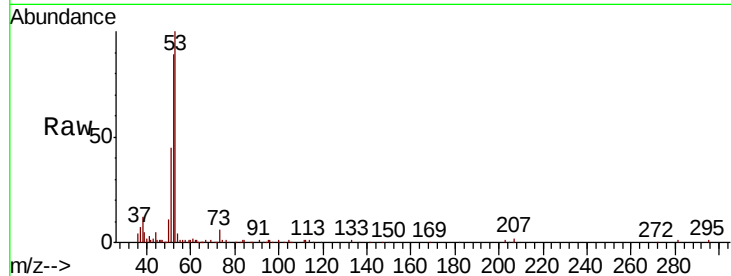
Tot Ion: 53 Resp: 163764

Ion Ratio Lower Upper

53 100

52 86.8 67.6 101.4

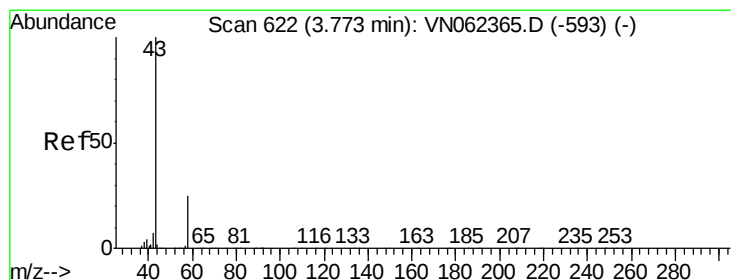
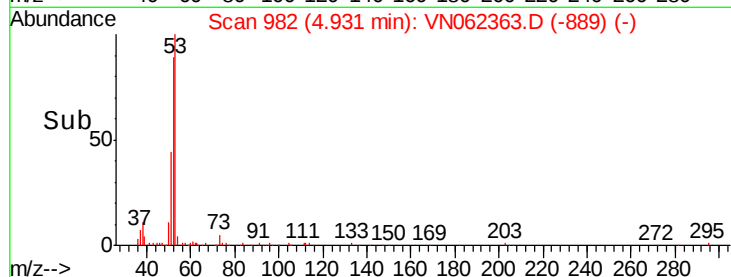
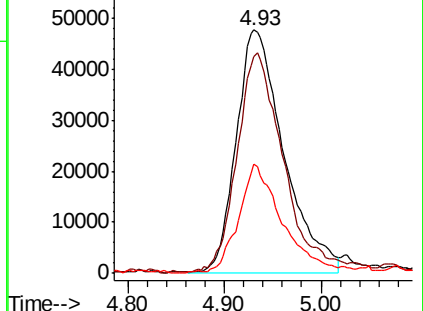
51 39.2 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VN062363.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN062363.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN062363.D (-958) (-)



#16

Acetone

Concen: 36.884 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062363.D

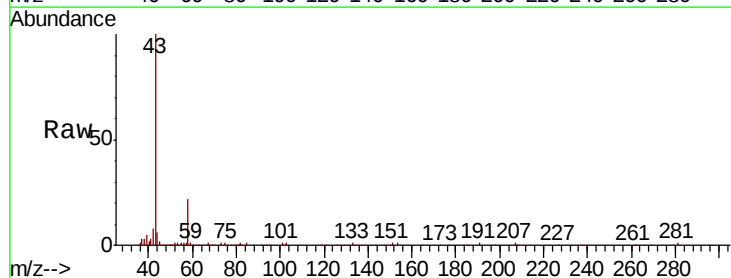
Acq: 6 Jul 2020 12:50

Tgt Ion: 43 Resp: 210991

Ion Ratio Lower Upper

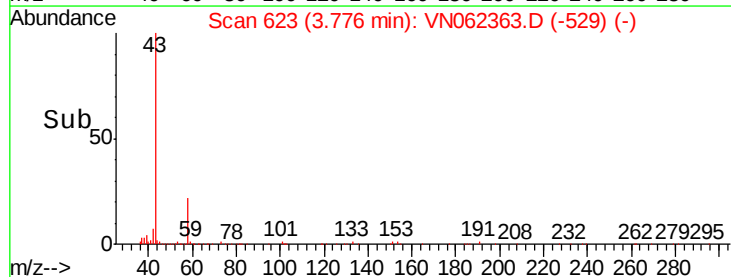
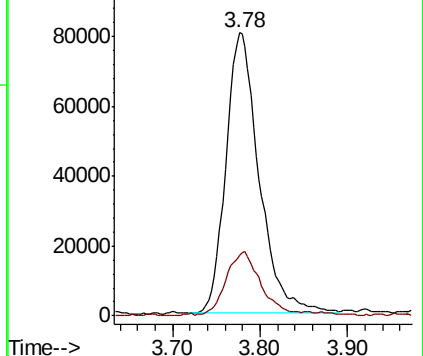
43 100

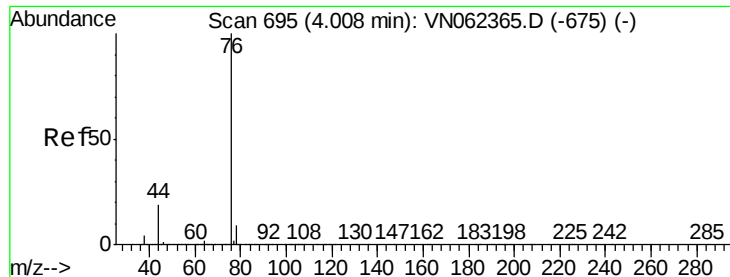
58 21.1 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN062363.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062363.D (-529) (-)





#17

Carbon Disulfide

Concen: 4.591 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

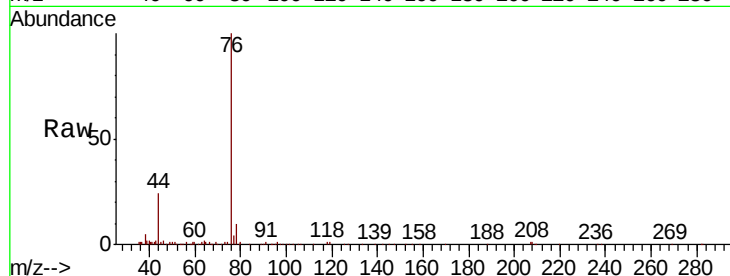
VSTDIC005

Tot Ion: 76 Resp: 170594

Ion Ratio Lower Upper

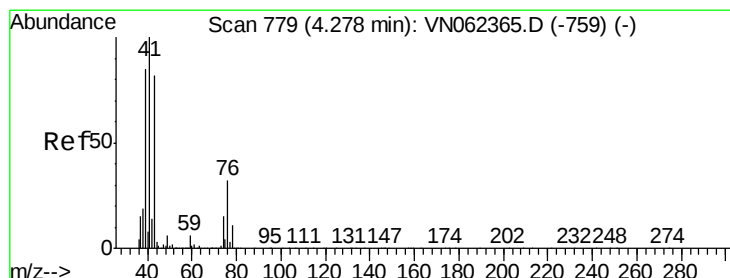
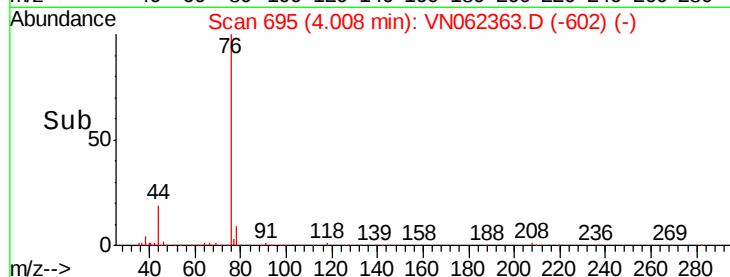
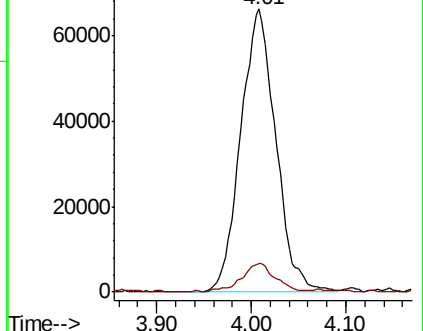
76 100

78 10.3 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VN062363.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN062363.D (-675) (-)



#18

Methyl Acetate

Concen: 6.999 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062363.D

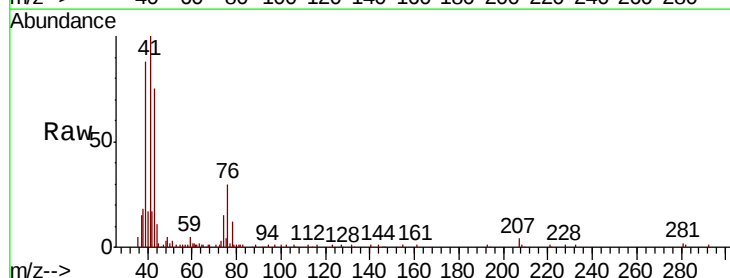
Acq: 6 Jul 2020 12:50

Tgt Ion: 43 Resp: 88243

Ion Ratio Lower Upper

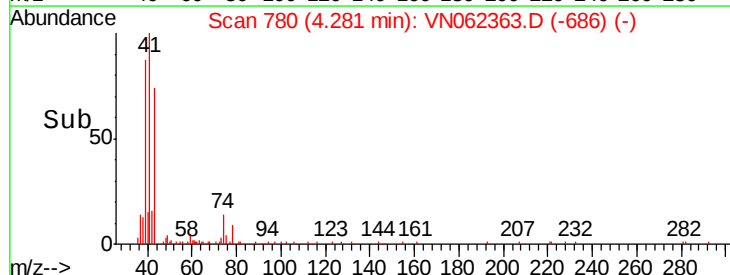
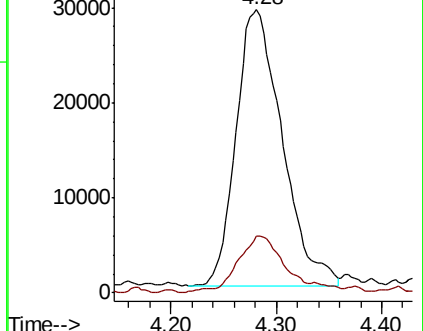
43 100

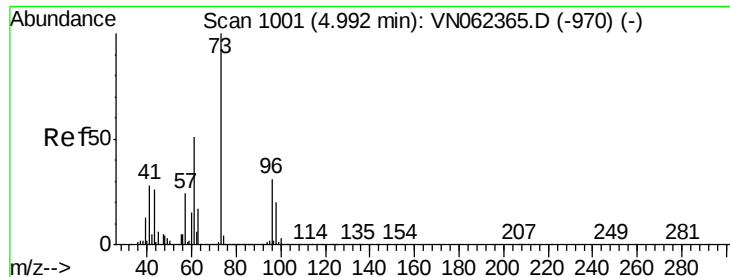
74 17.3 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VN062363.D (-686) (-)

Ion 74.00 (73.70 to 74.70): VN062363.D (-686) (-)



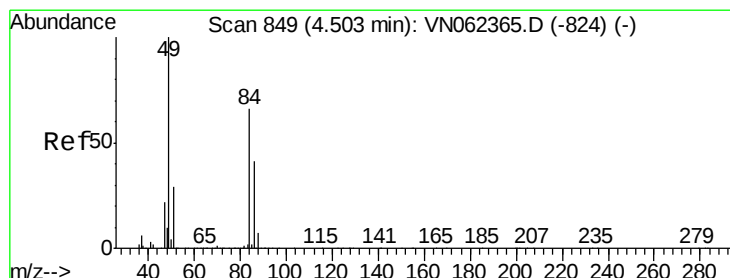
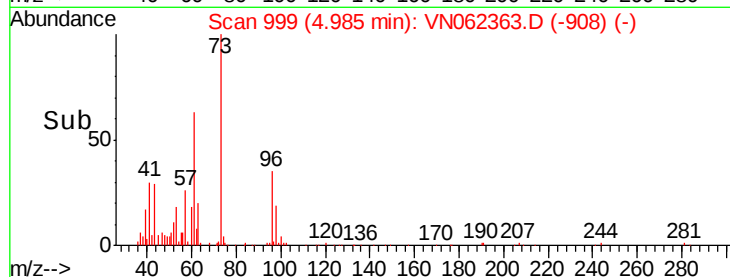
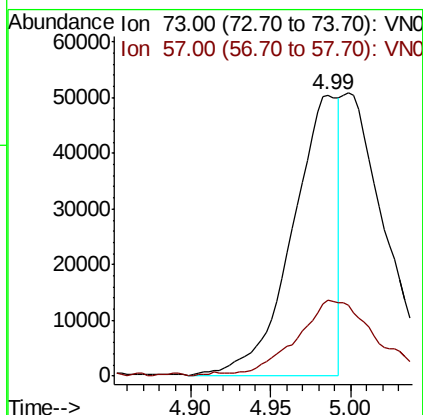
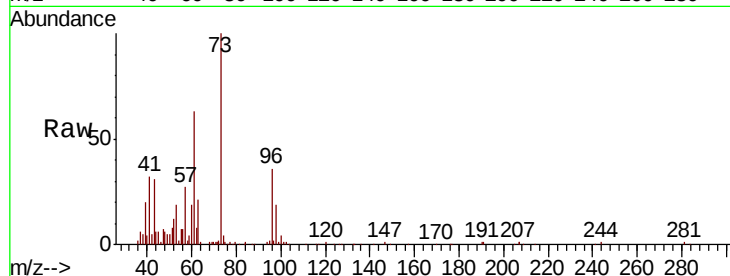


#19

Methyl tert-butyl Ether
 Concen: 2.621 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

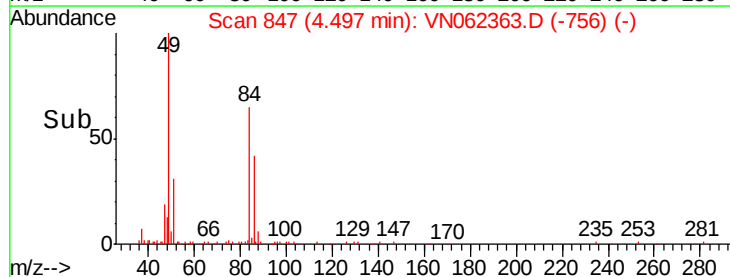
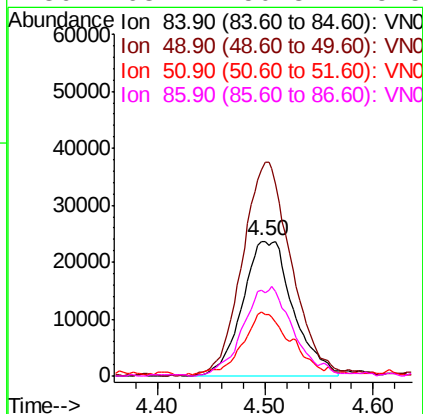
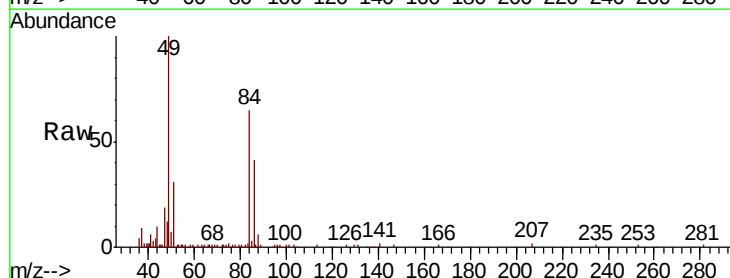
Tot Ion: 73 Resp: 100425
 Ion Ratio Lower Upper
 73 100
 57 26.6 18.9 28.3

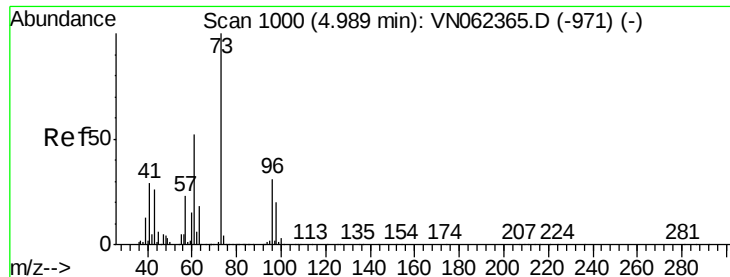


#20

Methylene Chloride
 Concen: 5.349 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

Tgt Ion: 84 Resp: 77191
 Ion Ratio Lower Upper
 84 100
 49 153.2 121.8 182.6
 51 46.0 35.0 52.4
 86 63.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 4.363 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

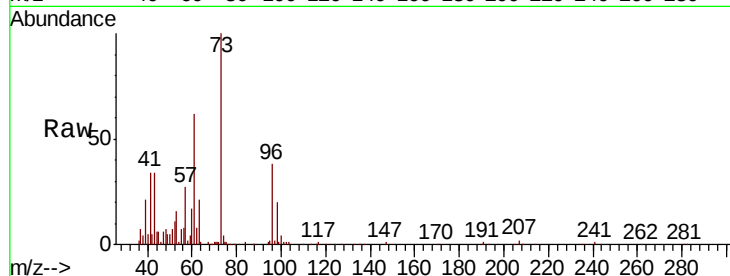
Tot Ion: 96 Resp: 57569

Ion Ratio Lower Upper

96 100

61 162.4 134.7 202.1

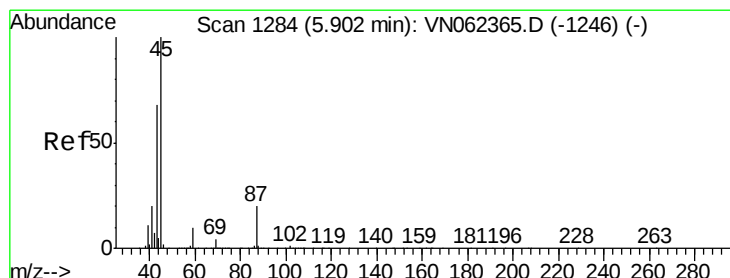
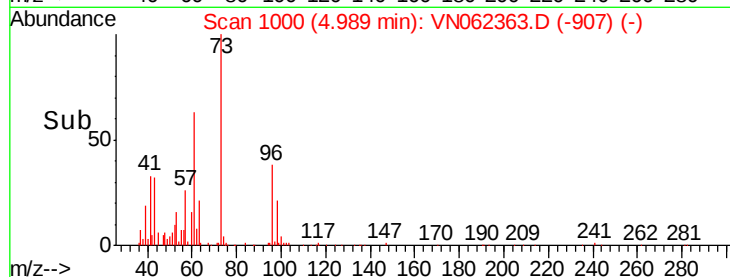
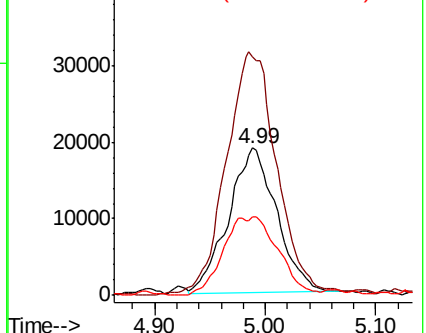
98 54.4 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VN062363.D (-971) (-)

Ion 60.90 (60.60 to 61.60): VN062363.D (-971) (-)

Ion 97.90 (97.60 to 98.60): VN062363.D (-971) (-)



#22

Diisopropyl ether

Concen: 6.396 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Tgt Ion: 45 Resp: 252231

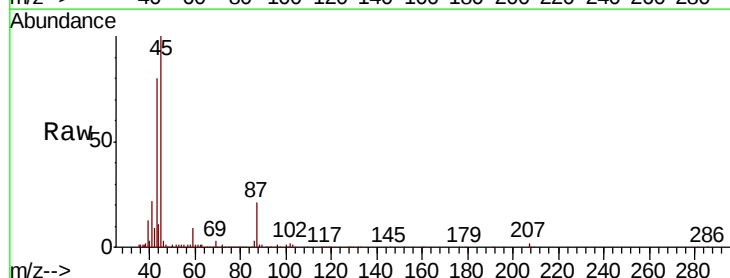
Ion Ratio Lower Upper

45 100

43 76.1 54.6 81.8

87 20.3 16.6 24.8

59 8.8 7.7 11.5

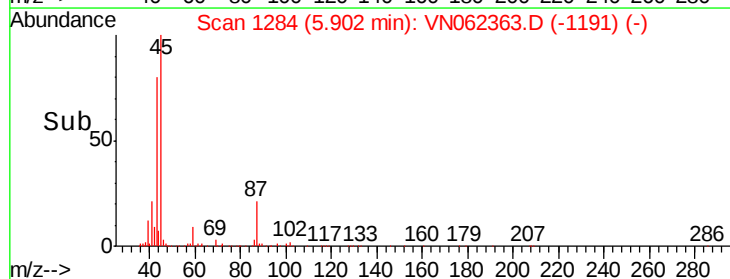
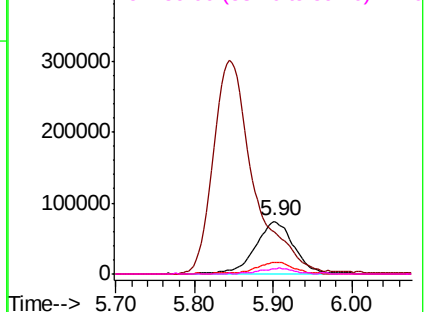


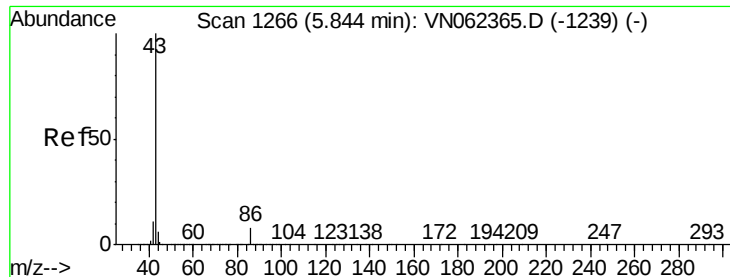
Abundance Ion 45.00 (44.70 to 45.70): VN062363.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN062363.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN062363.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN062363.D (-1191) (-)





#23

Vinyl Acetate

Concen: 33.304 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

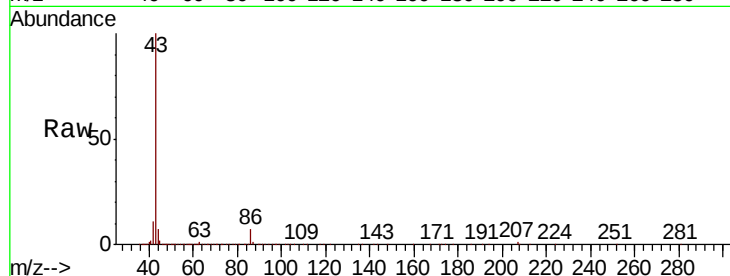
VSTDIC005

Tot Ion: 43 Resp: 1069080

Ion Ratio Lower Upper

43 100

86 7.3 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN062363.D (-1239) (-)

Ion 86.00 (85.70 to 86.70): VN062363.D (-1239) (-)

5.84

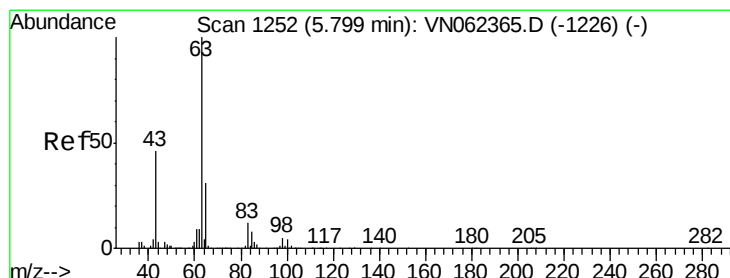
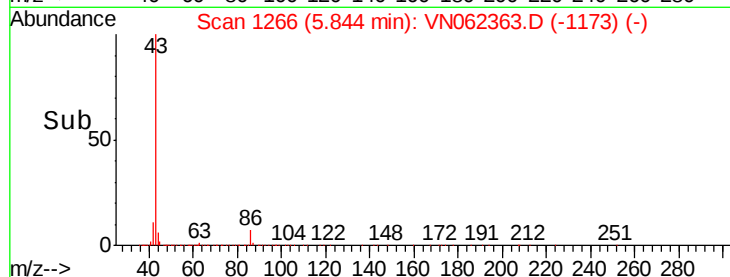
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 5.488 ug/l

RT: 5.80 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

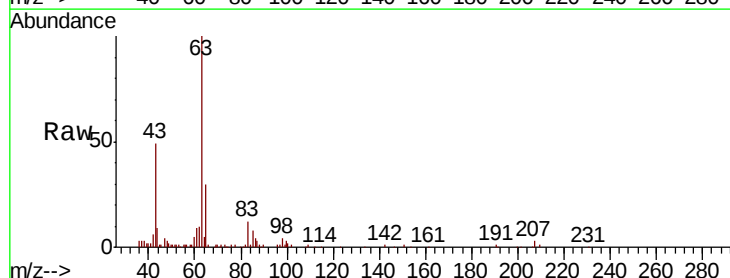
Tgt Ion: 63 Resp: 131995

Ion Ratio Lower Upper

63 100

98 3.4 2.6 7.8

100 4.9 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN062363.D (-1226) (-)

Ion 97.90 (97.60 to 98.60): VN062363.D (-1226) (-)

Ion 99.90 (99.60 to 100.60): VN062363.D (-1226) (-)

5.80

50000

40000

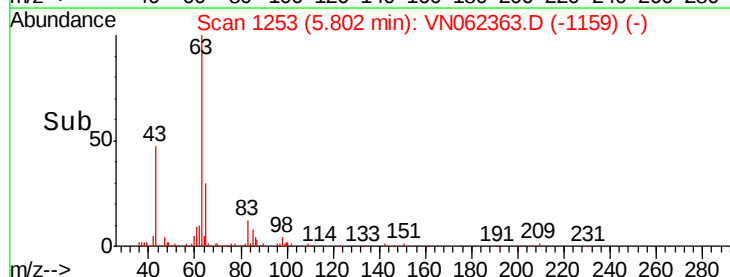
30000

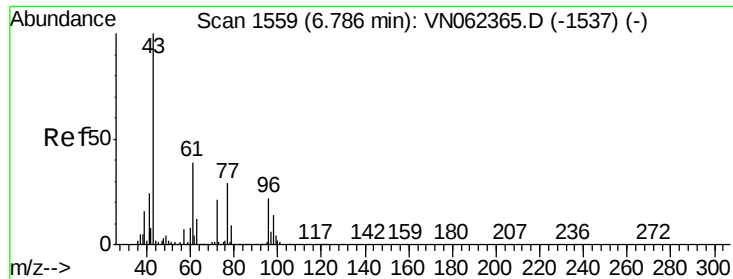
20000

10000

0

Time-->

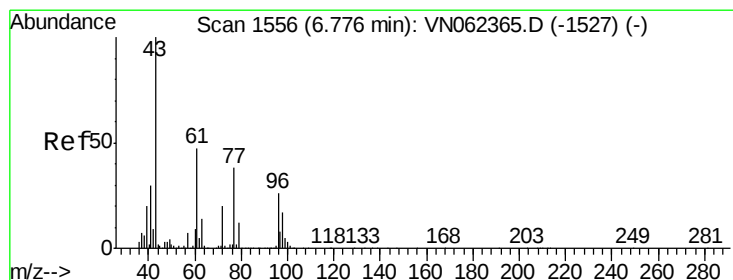
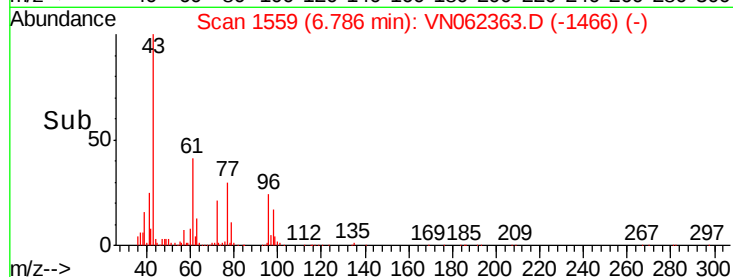
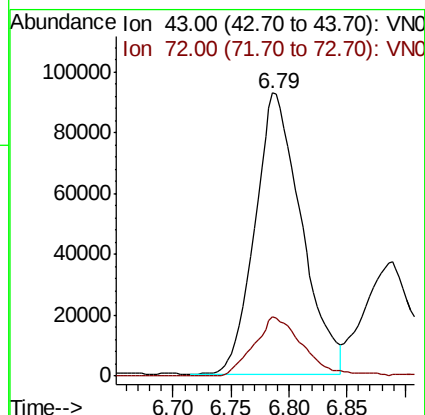
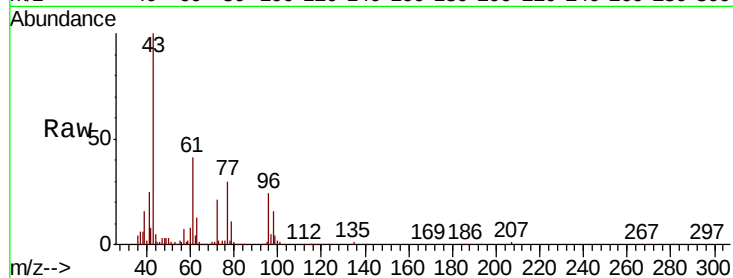




#25
2-Butanone
Concen: 33.391 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

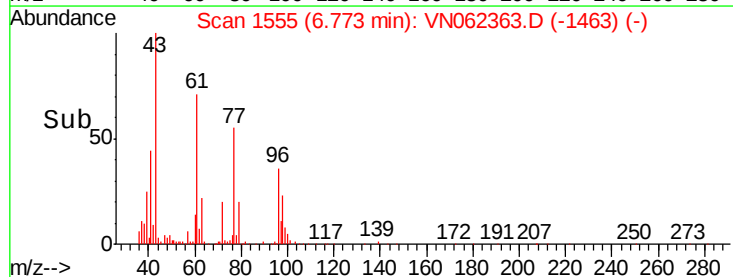
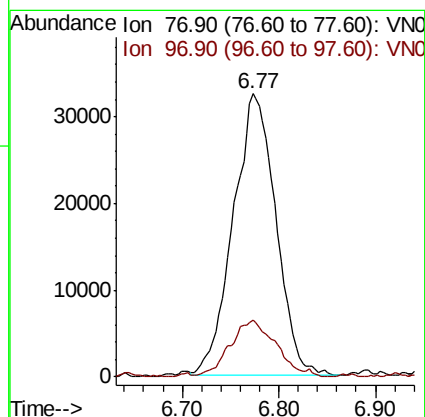
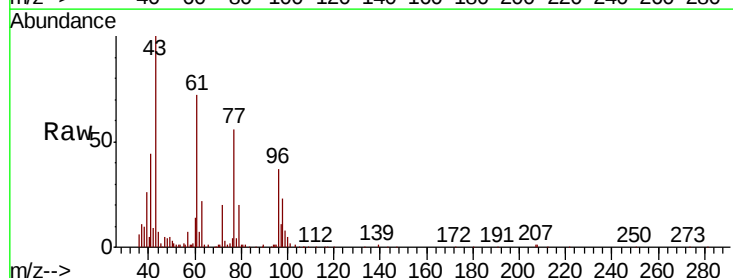
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

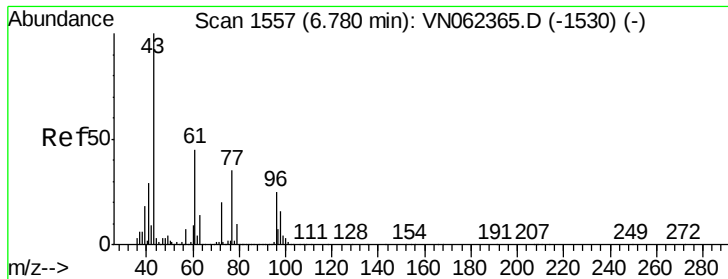
Tot Ion: 43 Resp: 258190
Ion Ratio Lower Upper
43 100
72 21.2 16.4 24.6



#26
2,2-Dichloropropane
Concen: 5.017 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 77 Resp: 99733
Ion Ratio Lower Upper
77 100
97 20.3 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 4.236 ug/l

RT: 6.78 min Scan# 1558

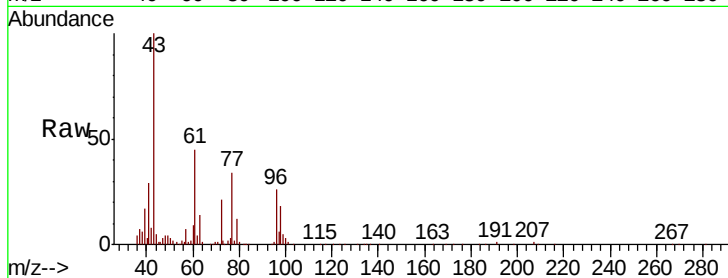
Delta R.T. 0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

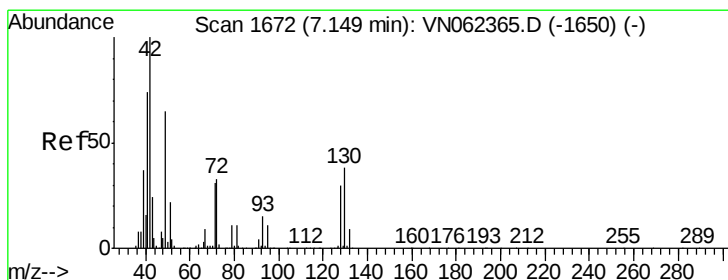
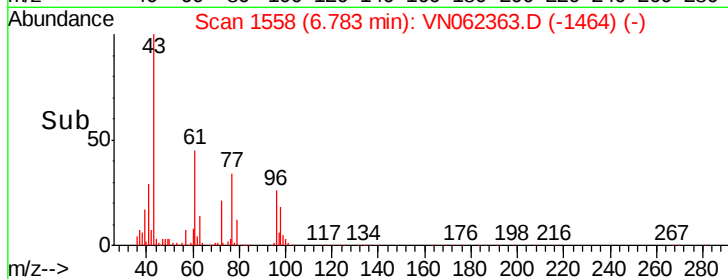
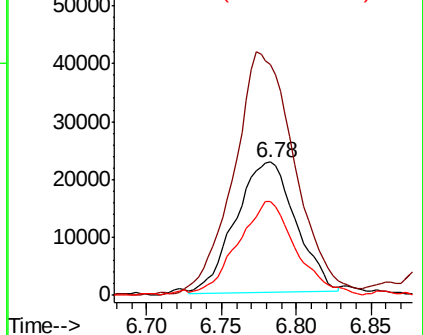
Tot Ion	Ratio	Lower	Upper
96	100		
61	185.2	0.0	358.8
98	67.5	0.0	130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 6.132 ug/l

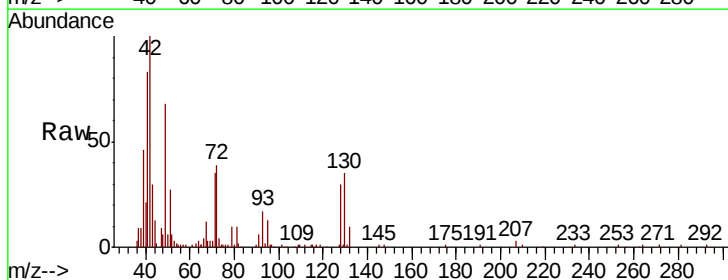
RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

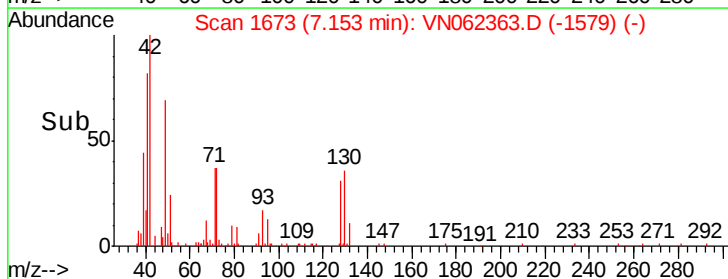
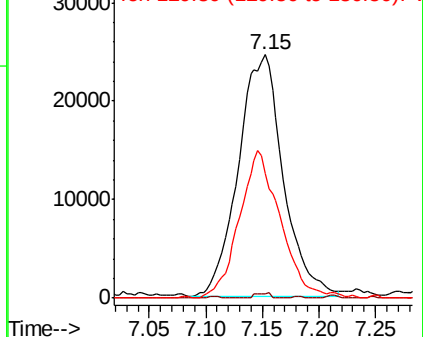
Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	56.0	45.8	68.8

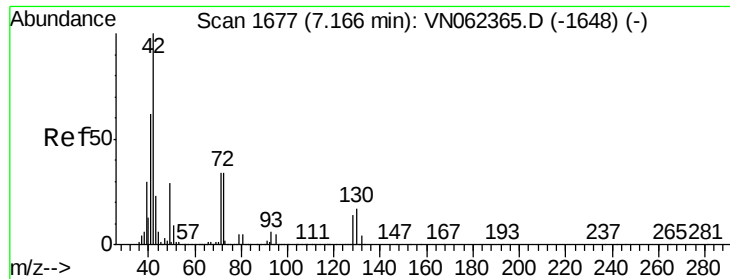


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 32.066 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

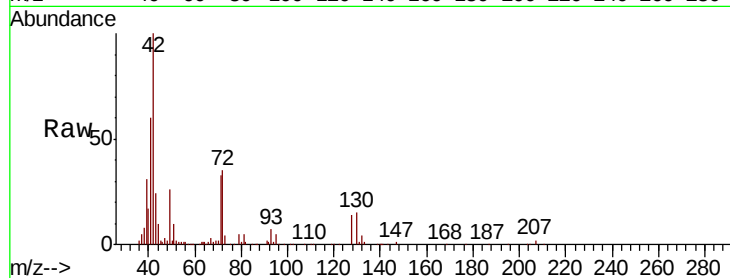
Tot Ion: 42 Resp: 161977

Ion Ratio Lower Upper

42 100

72 35.9 26.8 40.2

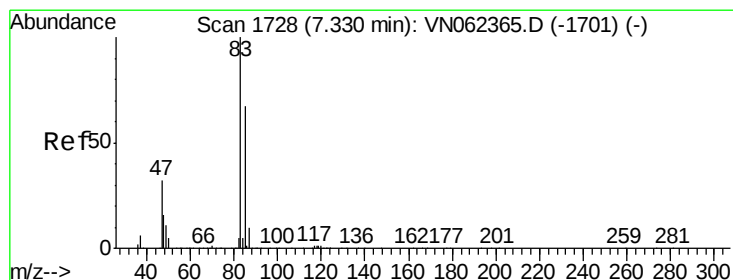
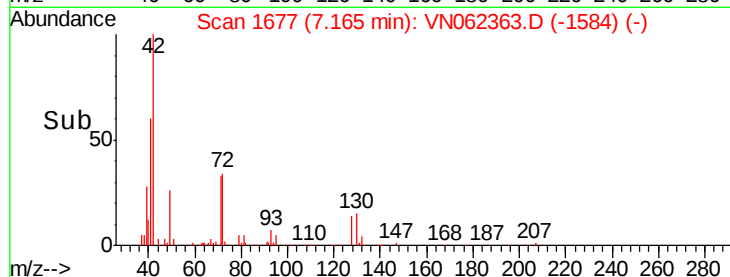
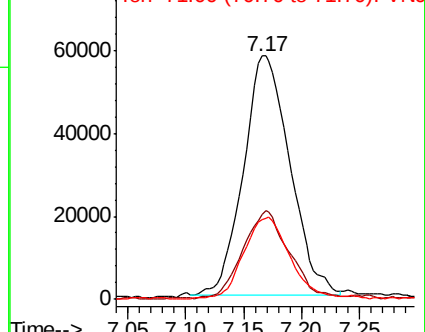
71 34.0 26.0 39.0



Abundance Ion 42.00 (41.70 to 42.70): VN062365.D (-1648) (-)

Ion 72.00 (71.70 to 72.70): VN062365.D (-1648) (-)

Ion 71.00 (70.70 to 71.70): VN062365.D (-1648) (-)



#30

Chloroform

Concen: 5.446 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062363.D

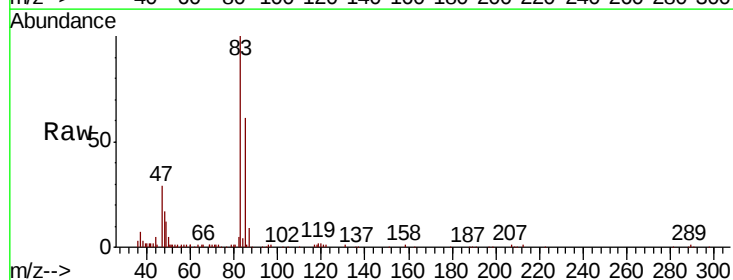
Acq: 6 Jul 2020 12:50

Tgt Ion: 83 Resp: 131597

Ion Ratio Lower Upper

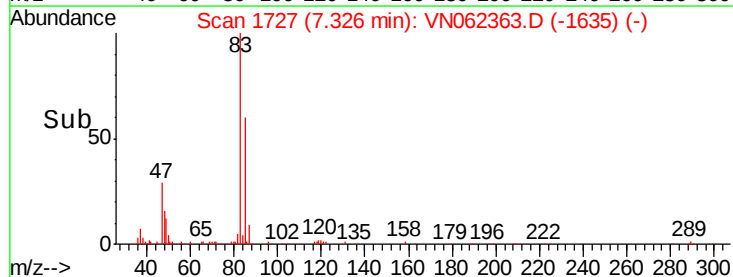
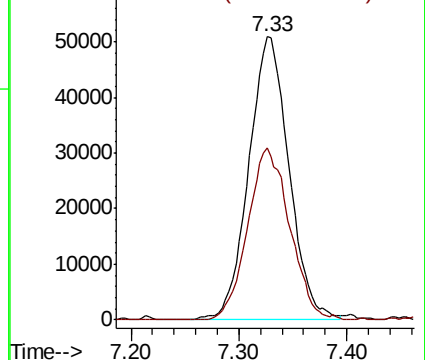
83 100

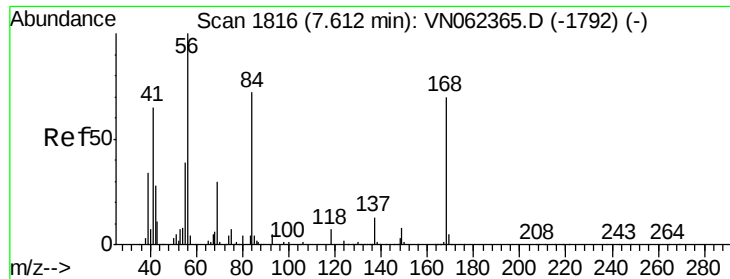
85 60.6 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VN062365.D (-1701) (-)

Ion 84.90 (84.60 to 85.60): VN062365.D (-1701) (-)

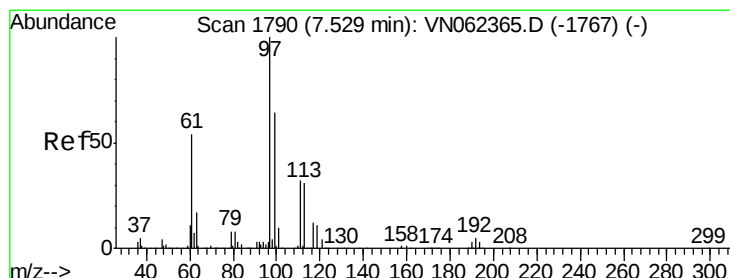
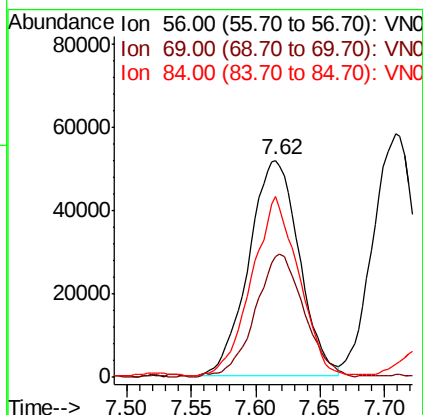
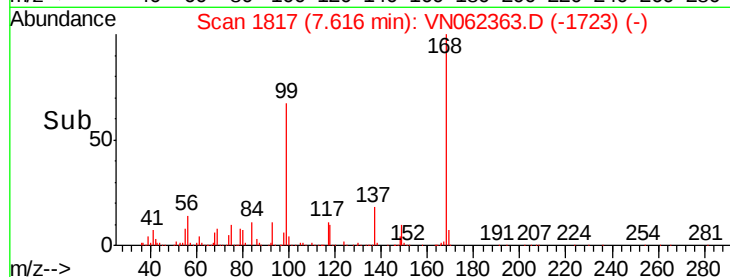
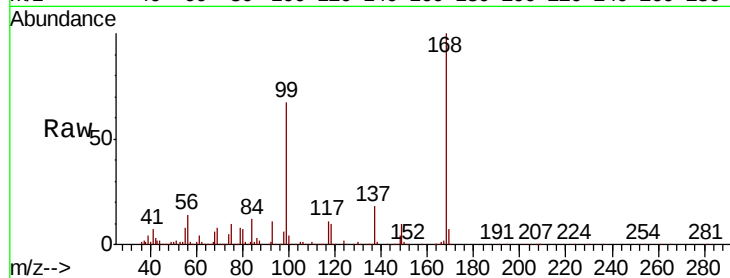




#31
Cyclohexane
Concen: 6.843 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

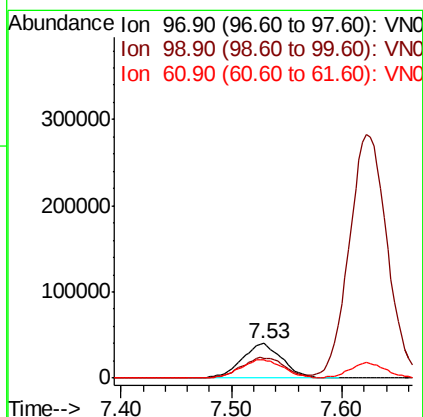
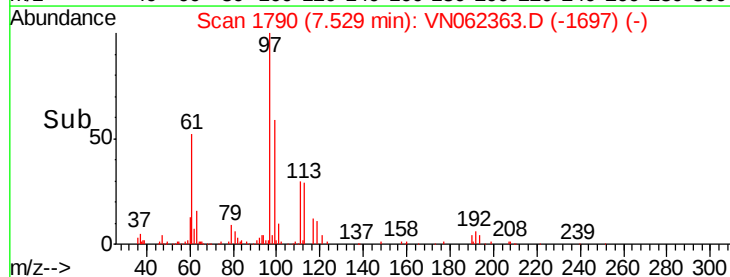
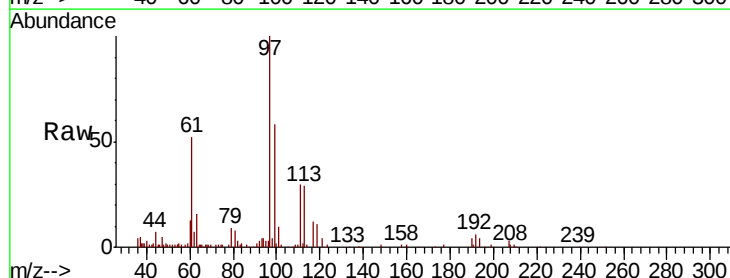
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

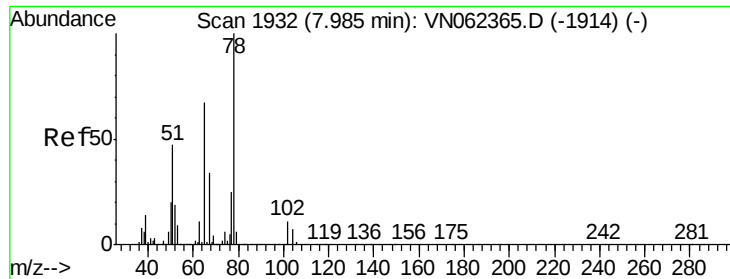
Tot Ion: 56 Resp: 141330
Ion Ratio Lower Upper
56 100
69 55.5 23.7 35.5#
84 83.0 57.2 85.8



#32
1,1,1-Trichloroethane
Concen: 4.950 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 97 Resp: 100835
Ion Ratio Lower Upper
97 100
99 65.0 51.1 76.7
61 57.2 42.5 63.7





#33

1,2-Dichloroethane-d4

Concen: 6.437 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

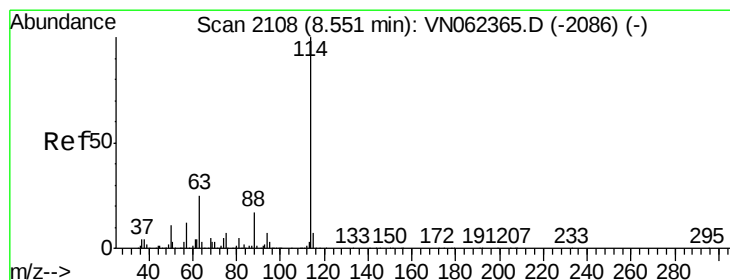
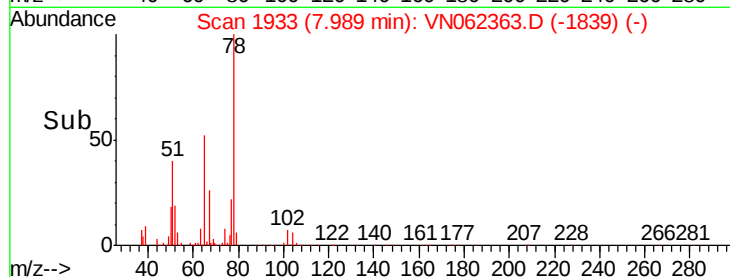
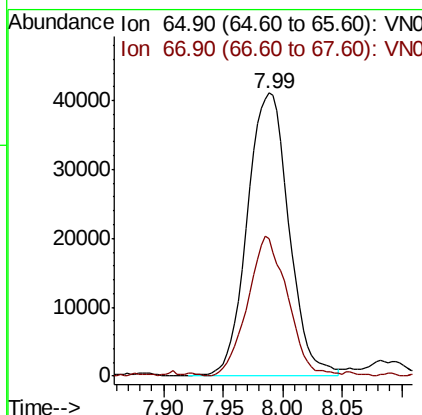
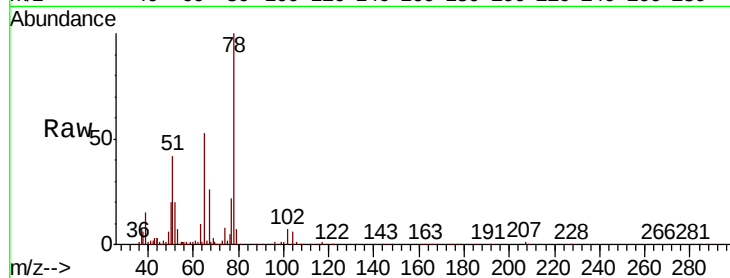
Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 65 Resp: 99649

Ion	Ratio	Lower	Upper
65	100		
67	47.5	0.0	101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

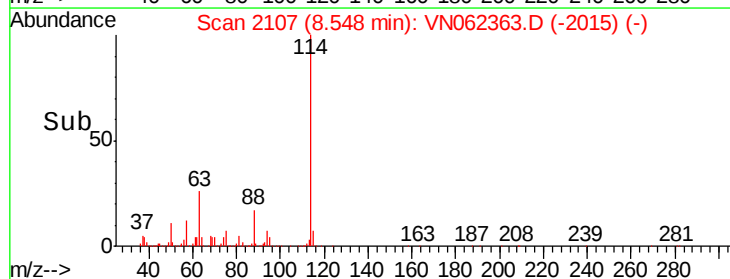
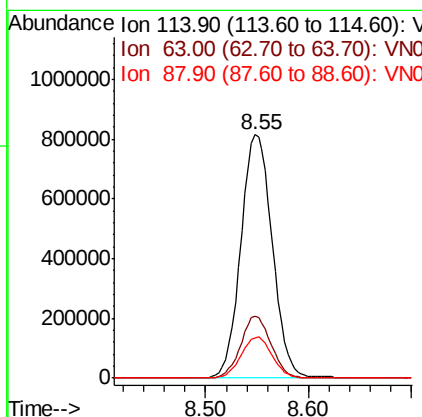
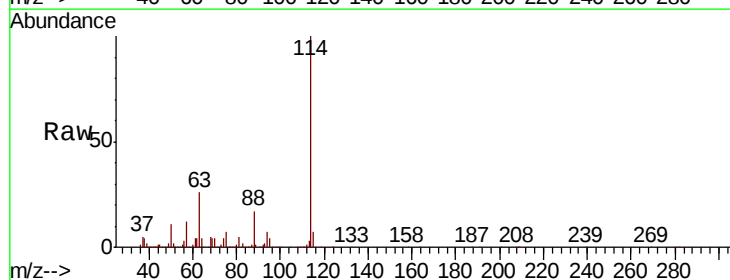
Delta R.T. -0.00 min

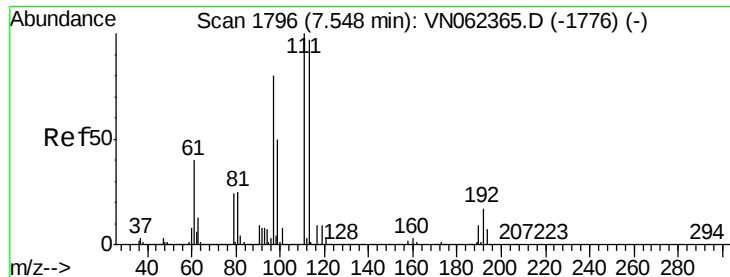
Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Tgt Ion: 114 Resp: 1730941

Ion	Ratio	Lower	Upper
114	100		
63	25.7	0.0	49.0
88	16.7	0.0	34.0

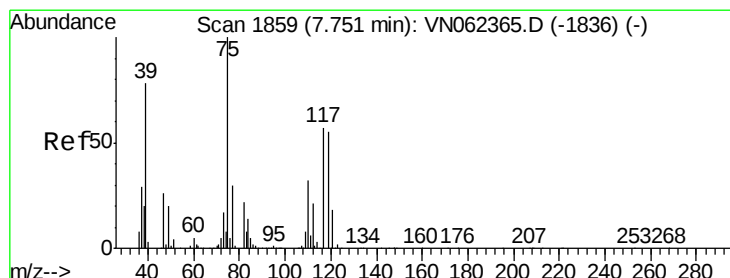
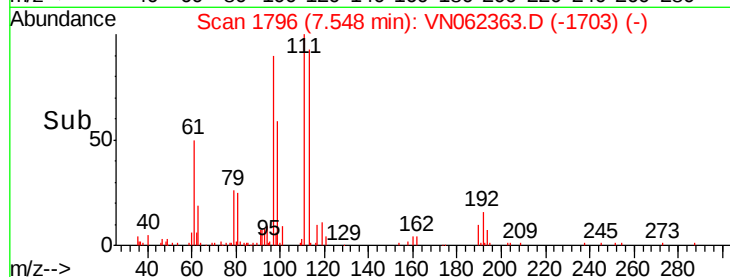
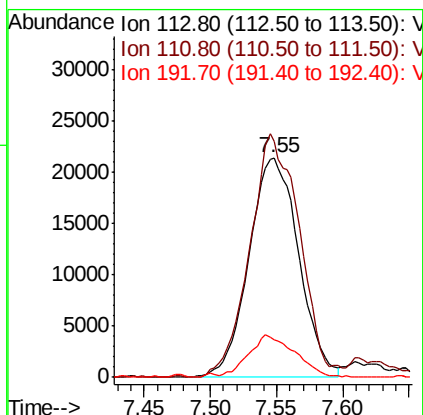
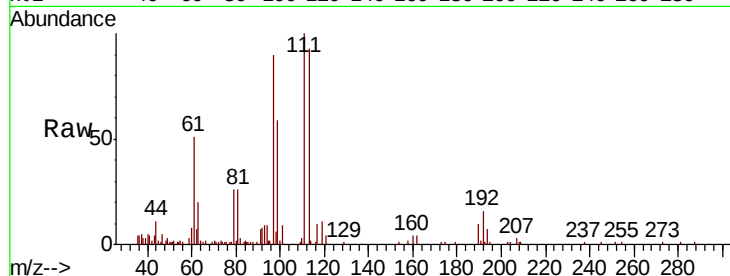




#35
 Dibromofluoromethane
 Concen: 4.887 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

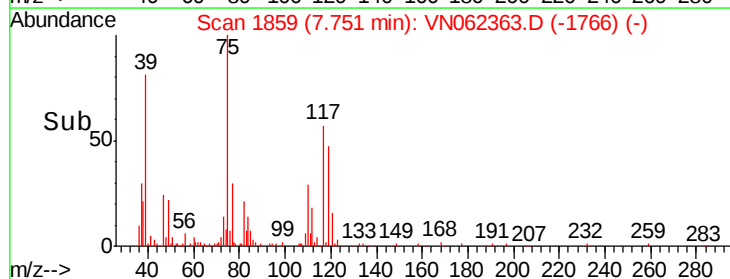
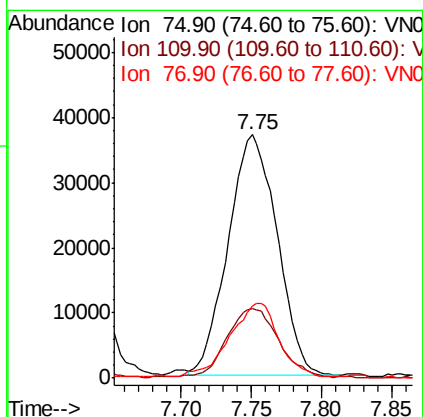
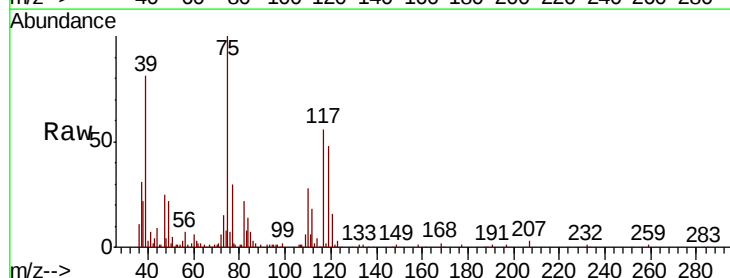
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

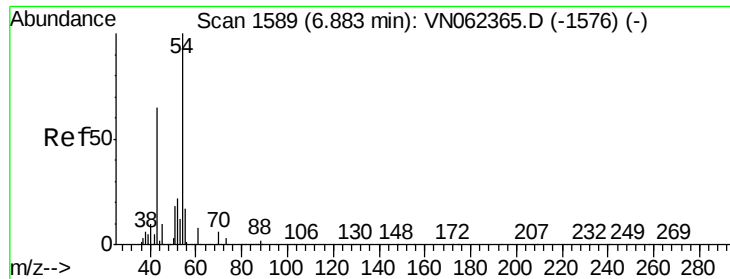
Tot Ion:113 Resp: 56205
 Ion Ratio Lower Upper
 113 100
 111 110.3 83.2 124.8
 192 18.1 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 5.117 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

Tgt Ion: 75 Resp: 90254
 Ion Ratio Lower Upper
 75 100
 110 30.7 15.7 47.1
 77 30.1 24.3 36.5

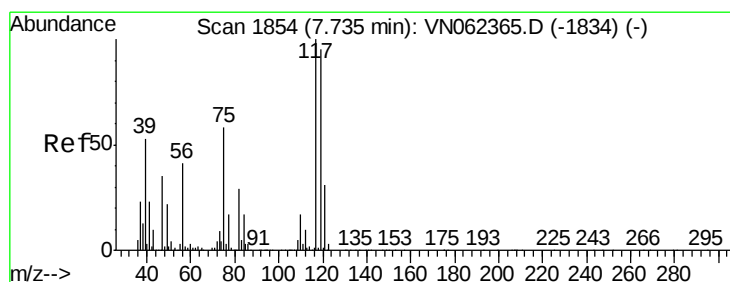
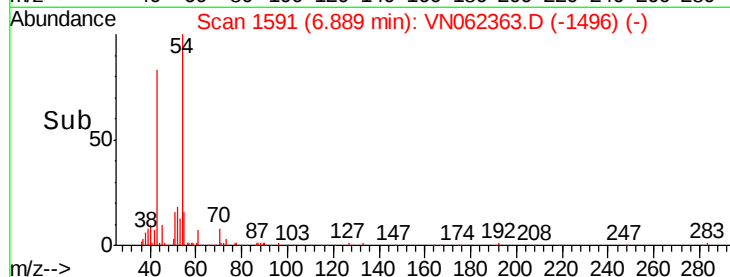
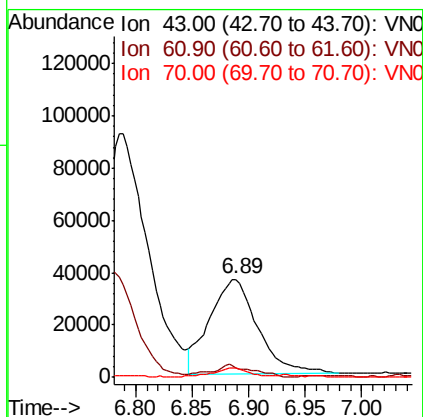
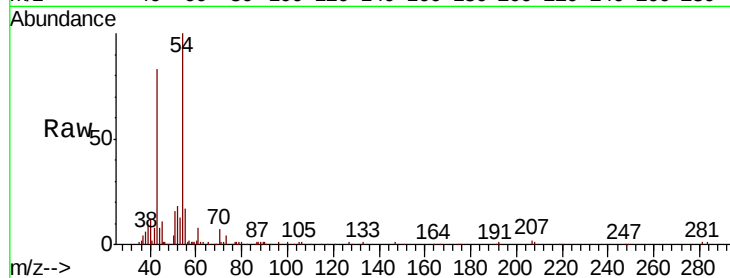




#37
Ethyl Acetate
Concen: 6.703 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

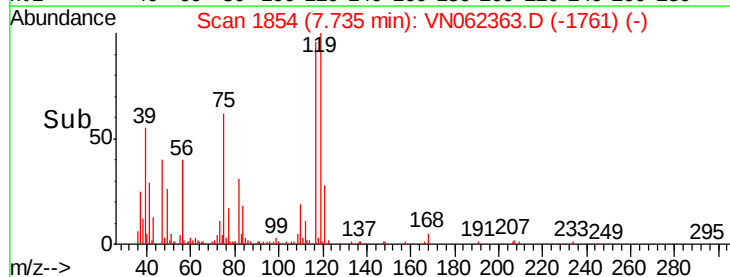
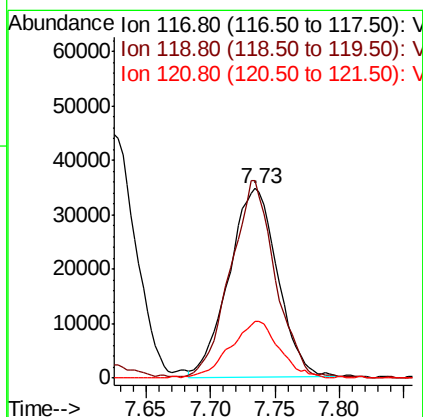
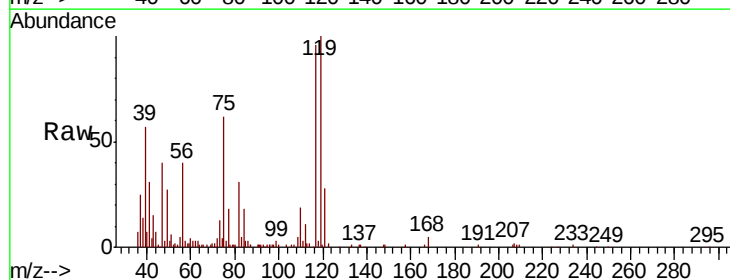
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

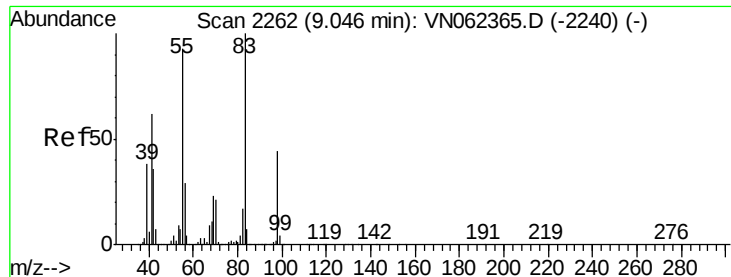
Tot Ion: 43 Resp: 106457
Ion Ratio Lower Upper
43 100
61 8.7 8.8 13.2#
70 7.7 6.2 9.4



#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 117 Resp: 90650
Ion Ratio Lower Upper
117 100
119 104.0 75.9 113.9
121 29.1 24.6 36.8

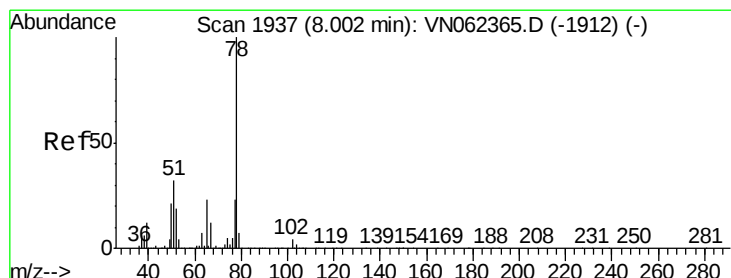
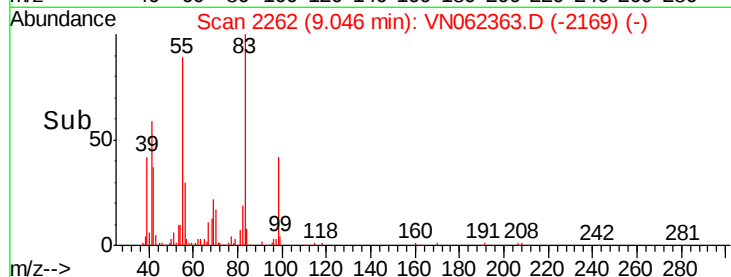
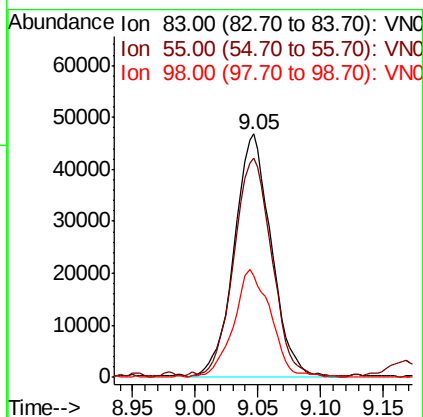
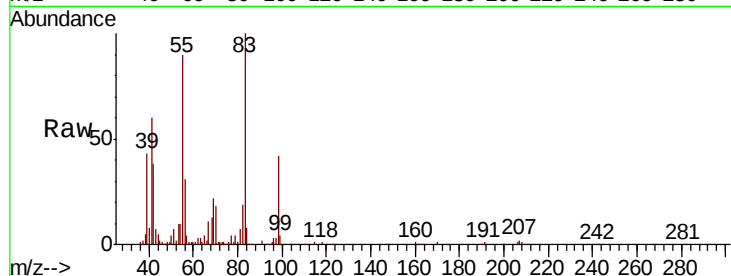




#39
Methvlcvclohexane
Concen: 5.017 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

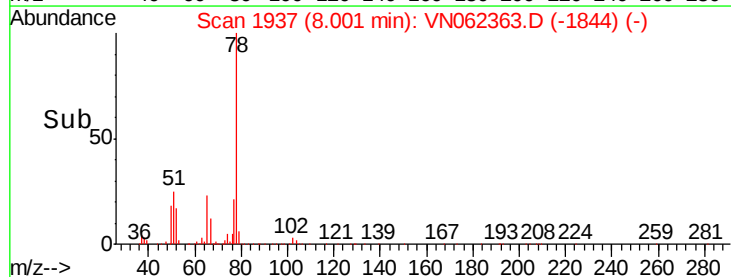
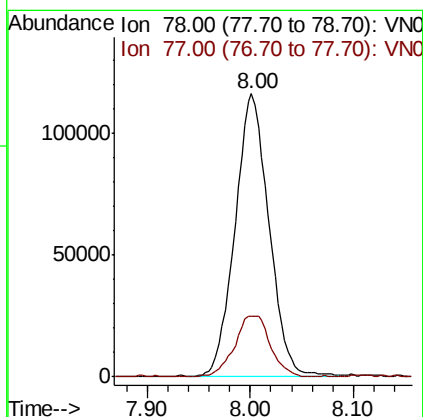
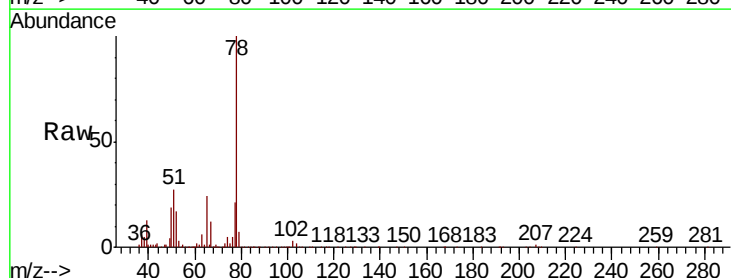
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

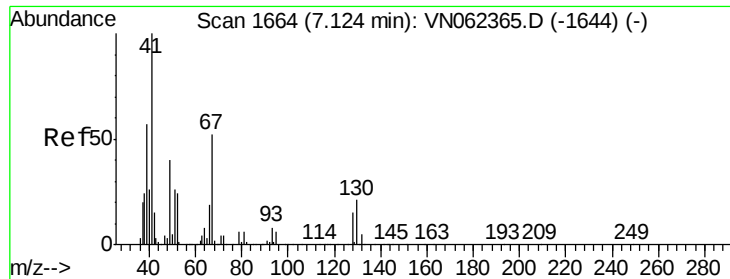
Tot Ion: 83 Resp: 96448
Ion Ratio Lower Upper
83 100
55 89.5 74.1 111.1
98 41.7 35.6 53.4



#40
Benzene
Concen: 4.950 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 78 Resp: 263651
Ion Ratio Lower Upper
78 100
77 21.2 18.6 28.0

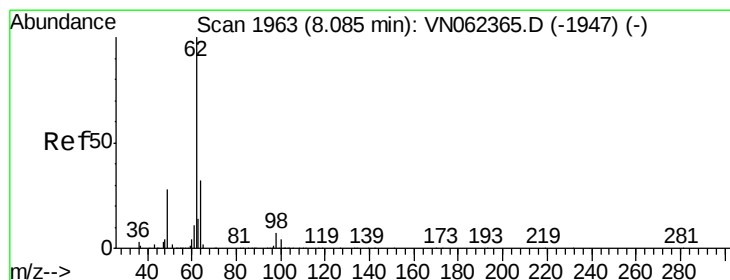
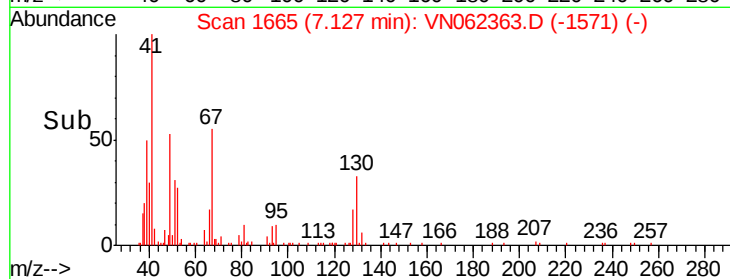
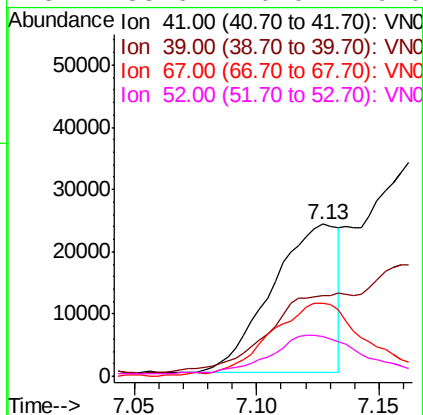
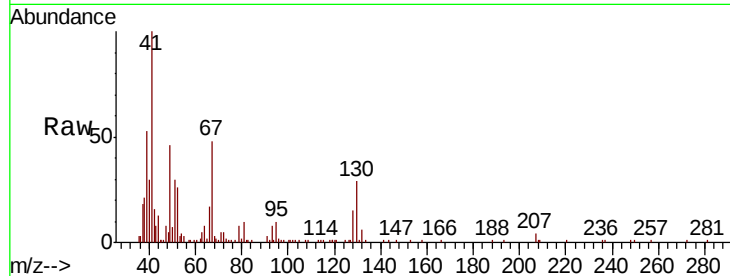




#41
Methacrylonitrile
Concen: 6.238 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

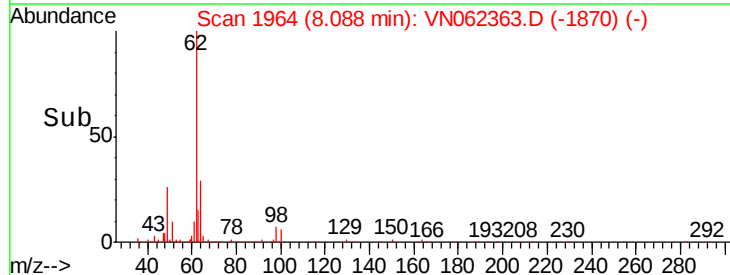
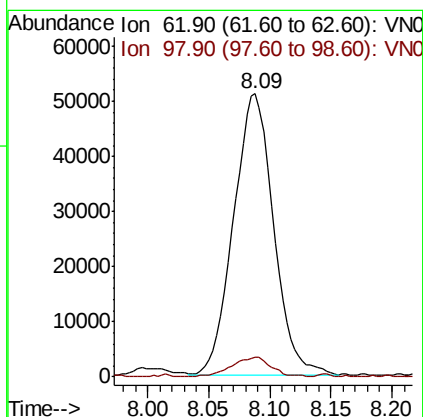
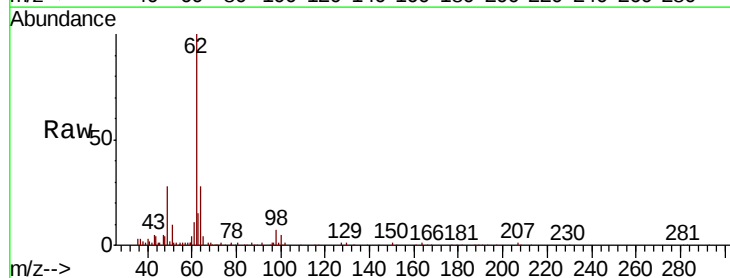
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

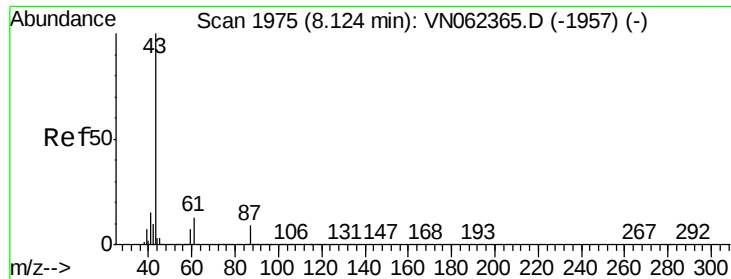
Tot Ion:	41	Resp:	44954
Ion	Ratio	Lower	Upper
41	100		
39	67.9	0.0	0.0#
67	73.1	0.0	0.0#
52	33.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 6.183 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion:	62	Resp:	116207
Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	13.4





#43

Isopropyl Acetate

Concen: 6.632 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.01 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

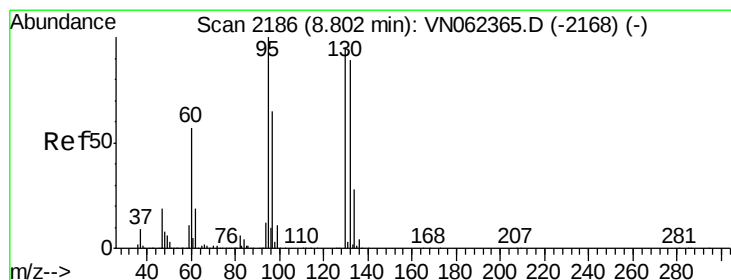
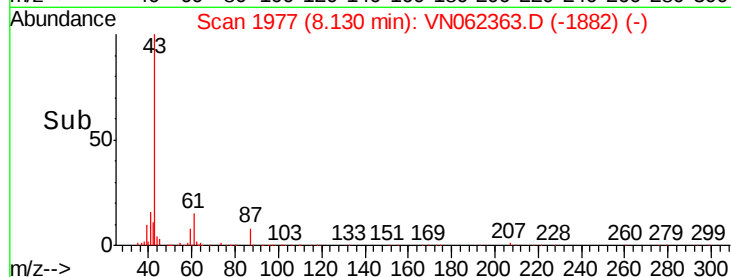
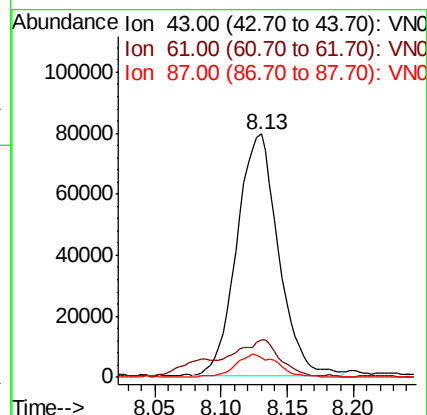
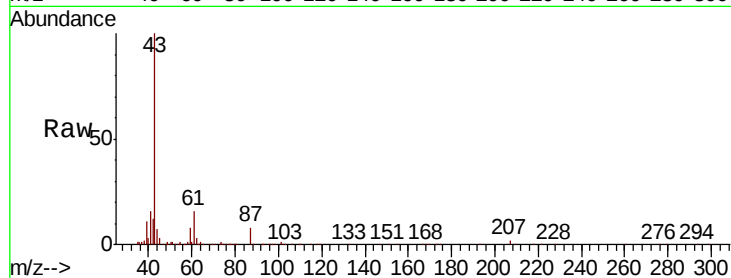
Tot Ion: 43 Resp: 172100

Ion Ratio Lower Upper

43 100

61 15.4 13.1 19.7

87 9.7 7.5 11.3



#44

Trichloroethene

Concen: 4.694 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062363.D

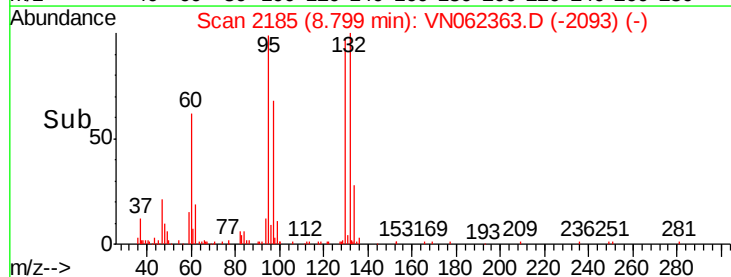
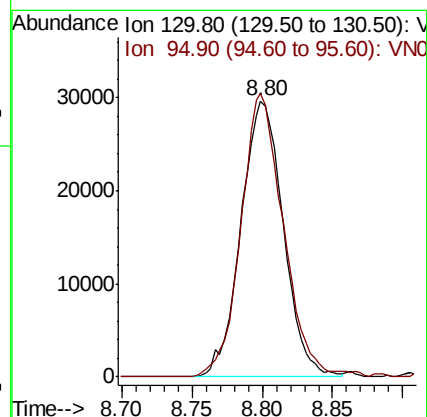
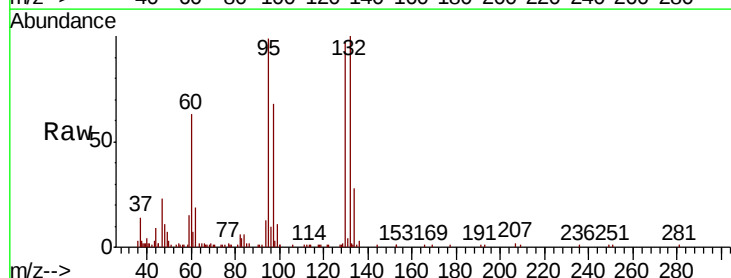
Acq: 6 Jul 2020 12:50

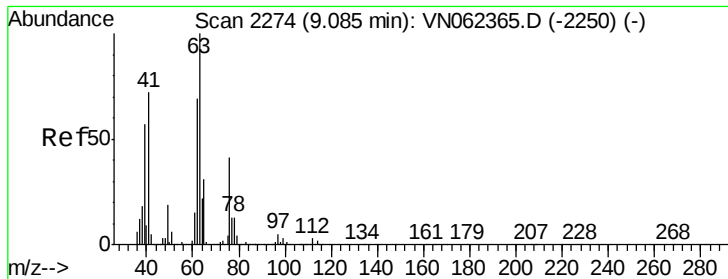
Tgt Ion:130 Resp: 62442

Ion Ratio Lower Upper

130 100

95 102.7 0.0 209.8





#45

1,2-Dichloropropane

Concen: 5.622 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

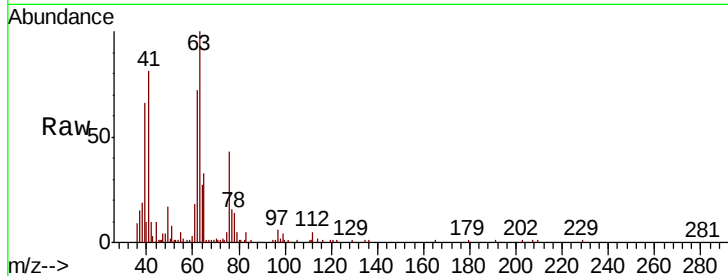
VSTDIC005

Tot Ion: 63 Resp: 75955

Ion Ratio Lower Upper

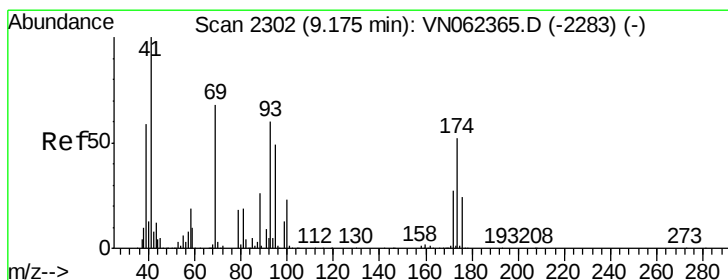
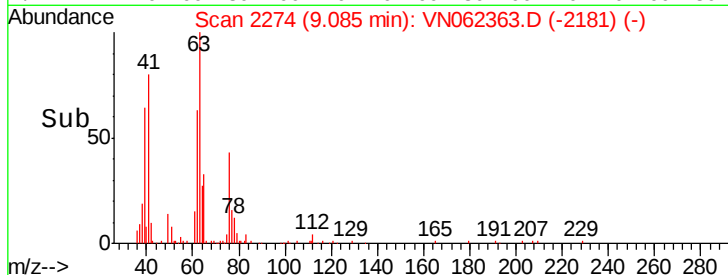
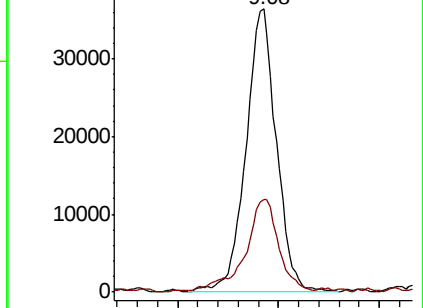
63 100

65 31.9 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VN062363.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062363.D (-2181) (-)



#46

Dibromomethane

Concen: 5.279 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

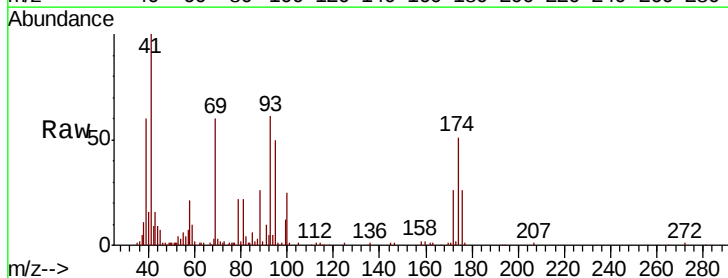
Tgt Ion: 93 Resp: 47463

Ion Ratio Lower Upper

93 100

95 83.5 64.8 97.2

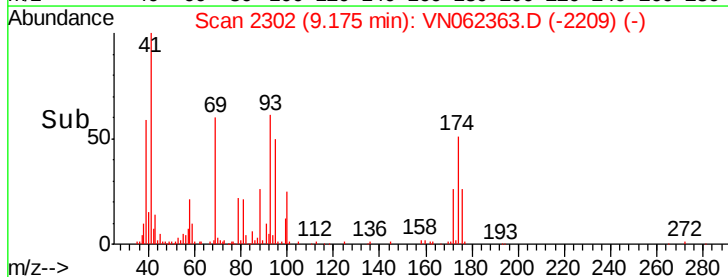
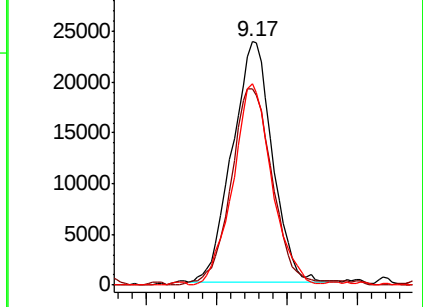
174 81.1 67.6 101.4

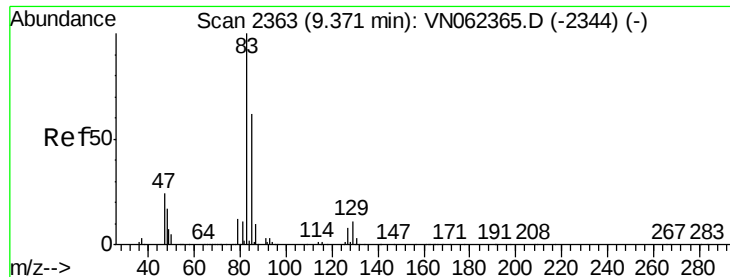


Abundance Ion 92.80 (92.50 to 93.50): VN062363.D (-2209) (-)

Ion 94.80 (94.50 to 95.50): VN062363.D (-2209) (-)

Ion 173.70 (173.40 to 174.40): VN062363.D (-2209) (-)

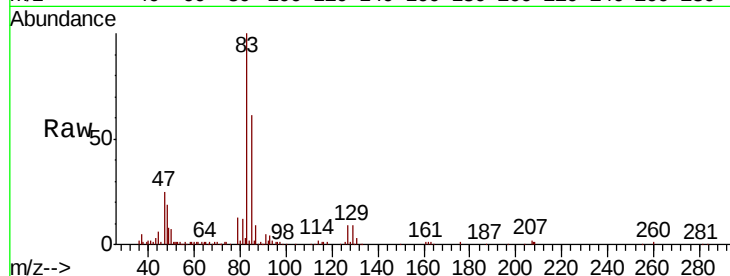




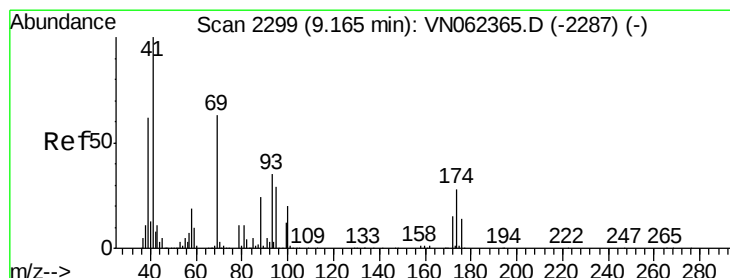
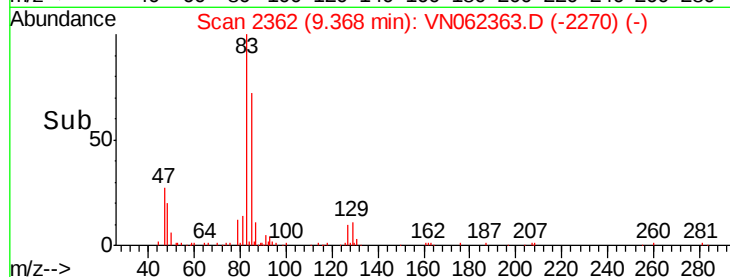
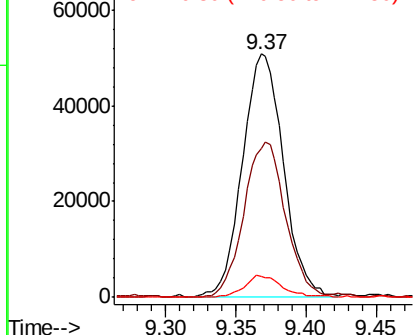
#47
Bromodichloromethane
Concen: 5.598 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 102491
Ion Ratio Lower Upper
83 100
85 61.2 49.8 74.6
127 8.7 6.2 9.2

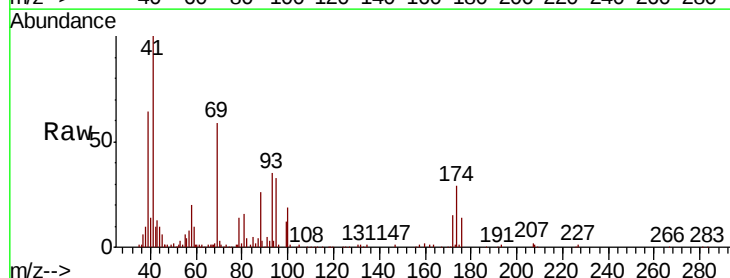


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

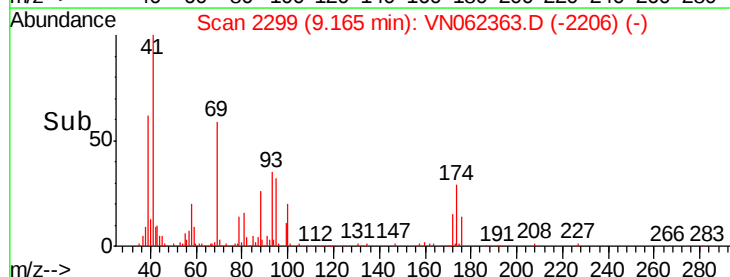
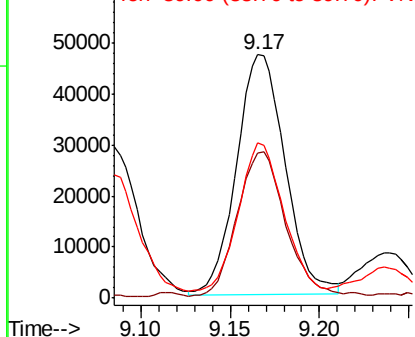


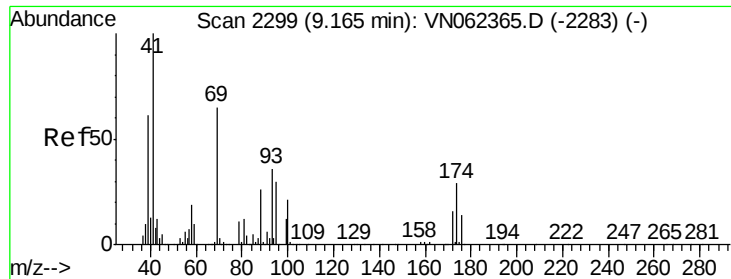
#48
Methyl methacrylate
Concen: 7.542 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 41 Resp: 89921
Ion Ratio Lower Upper
41 100
69 59.2 51.5 77.3
39 60.5 51.2 76.8



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

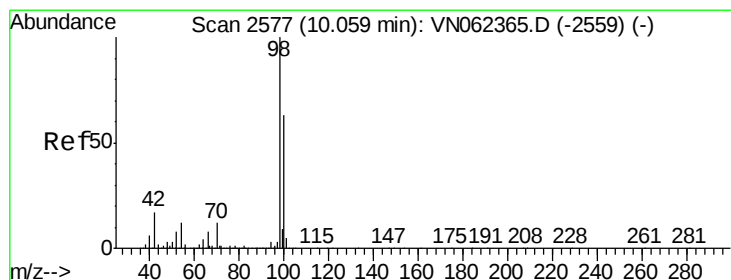
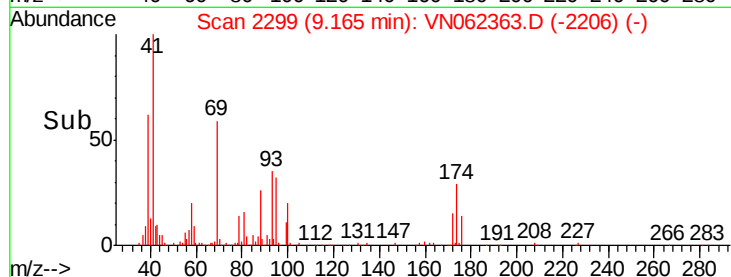
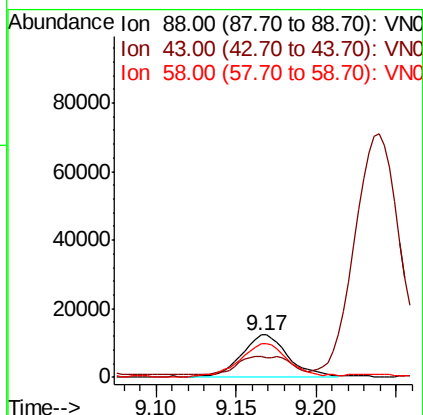
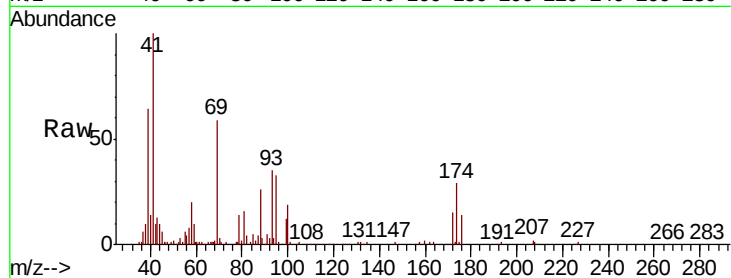




#49
1,4-Dioxane
Concen: 105.075 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

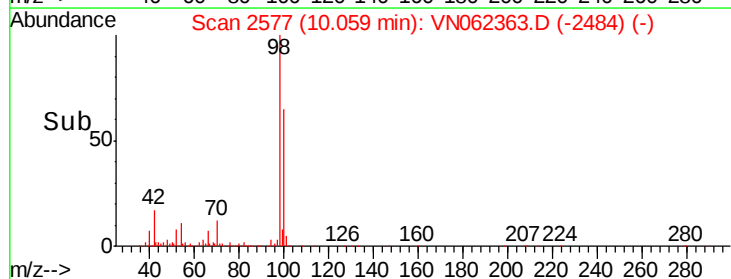
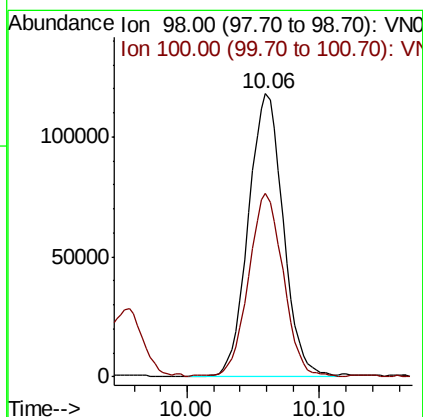
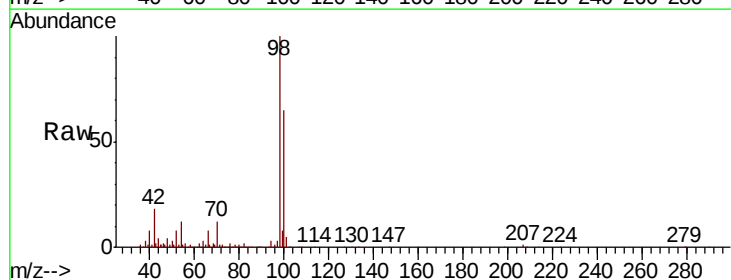
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

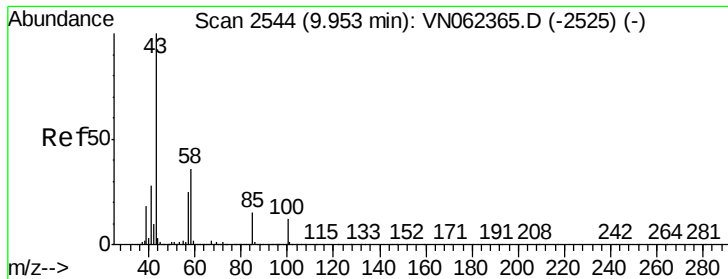
Tot Ion: 88 Resp: 24671
Ion Ratio Lower Upper
88 100
43 49.2 34.0 51.0
58 82.0 63.0 94.4



#50
Toluene-d8
Concen: 4.756 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 98 Resp: 216557
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 34.769 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

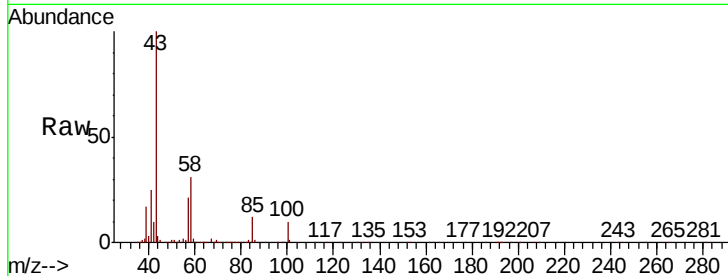
VSTDIC005

Tot Ion: 43 Resp: 522509

Ion Ratio Lower Upper

43 100

58 32.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN062365.D (-2525) (-)

Ion 58.00 (57.70 to 58.70): VN062365.D (-2525) (-)

9.95

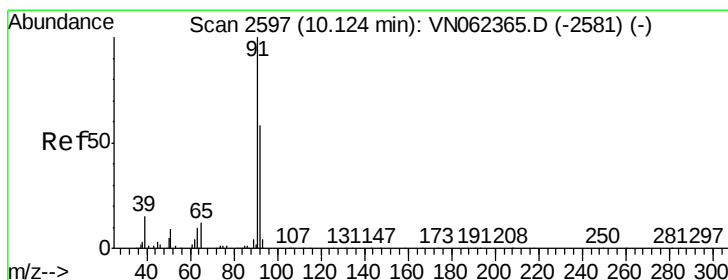
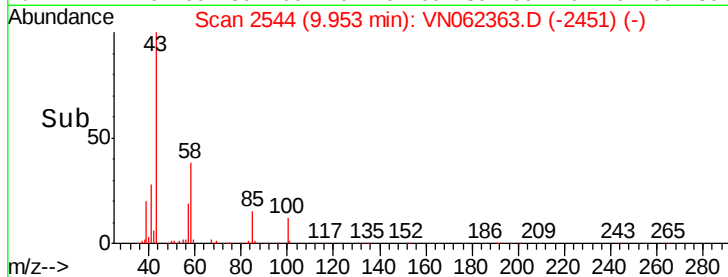
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 4.857 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062363.D

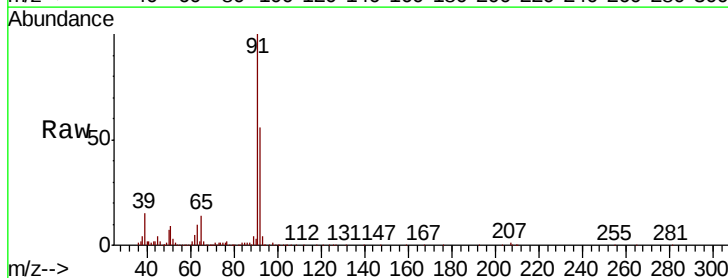
Acq: 6 Jul 2020 12:50

Tgt Ion: 92 Resp: 156654

Ion Ratio Lower Upper

92 100

91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN062365.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062365.D (-2581) (-)

10.12

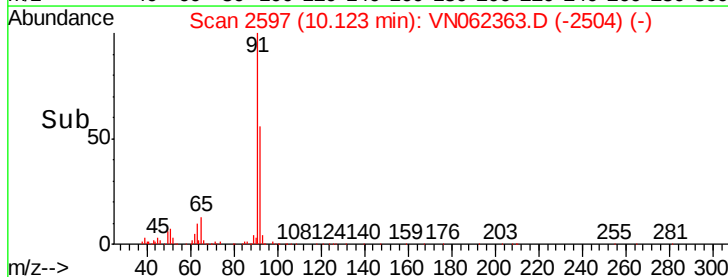
150000

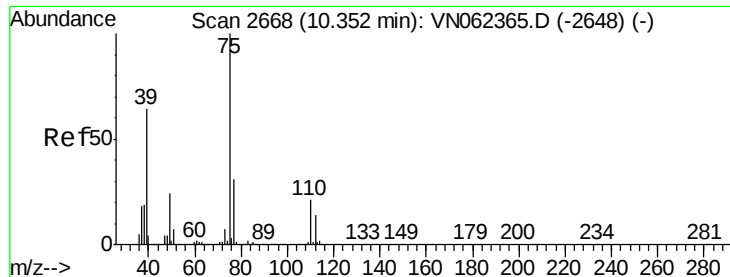
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.085 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

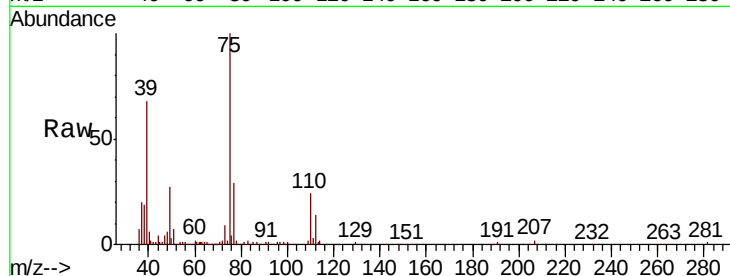
VSTDIC005

Tot Ion: 75 Resp: 102736

Ion Ratio Lower Upper

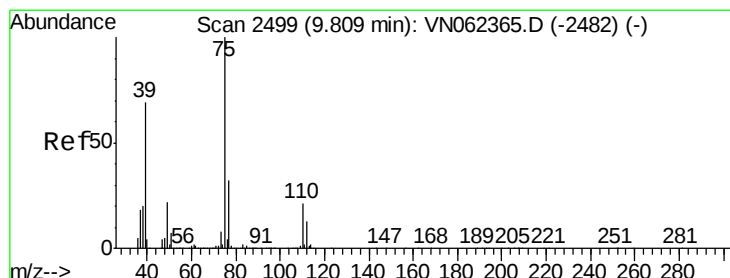
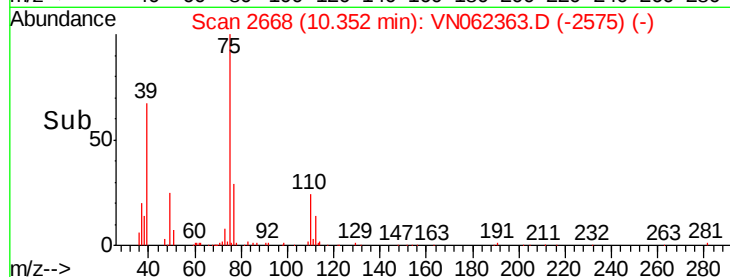
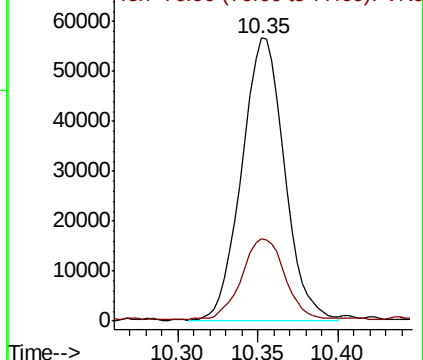
75 100

77 28.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.317 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

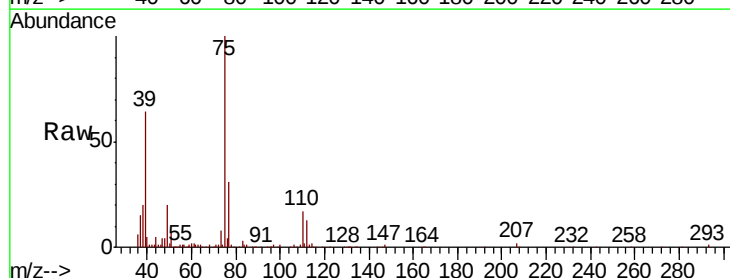
Tgt Ion: 75 Resp: 113599

Ion Ratio Lower Upper

75 100

77 31.0 26.0 39.0

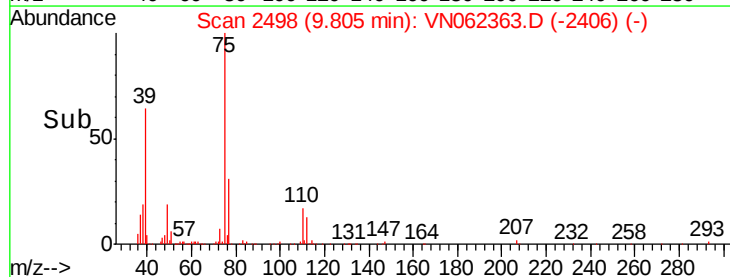
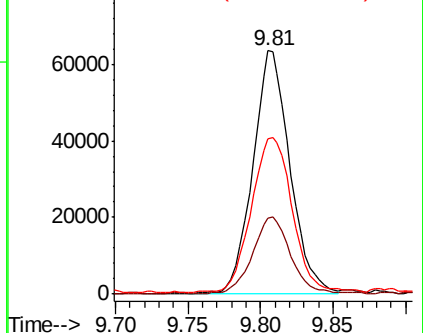
39 63.2 55.3 82.9

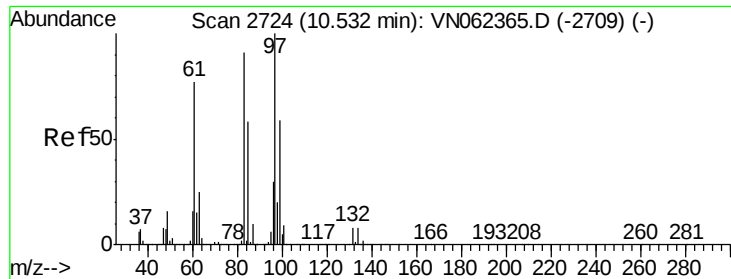


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

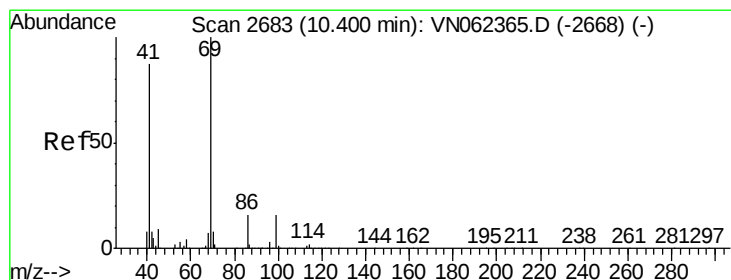
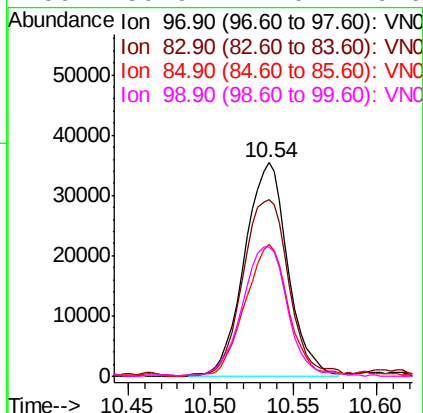
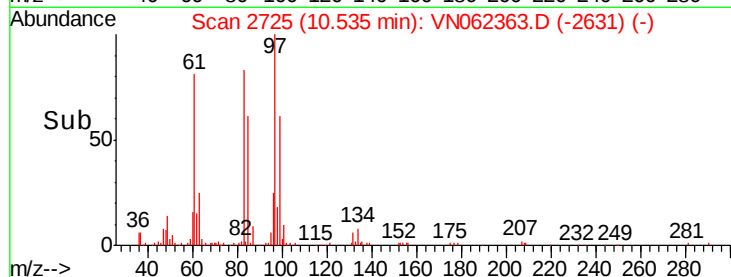
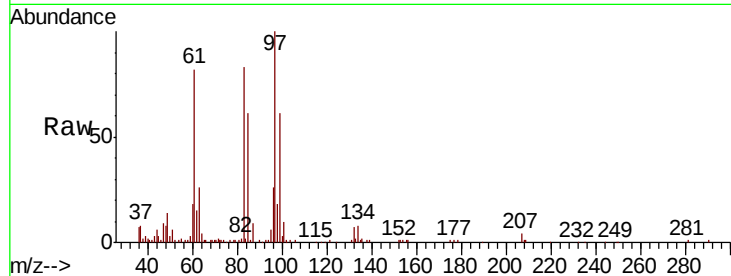




#55
 1,1,2-Trichloroethane
 Concen: 5.080 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

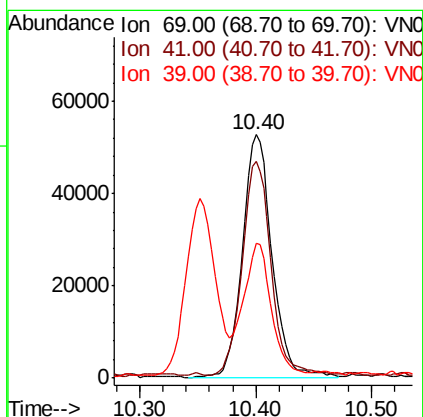
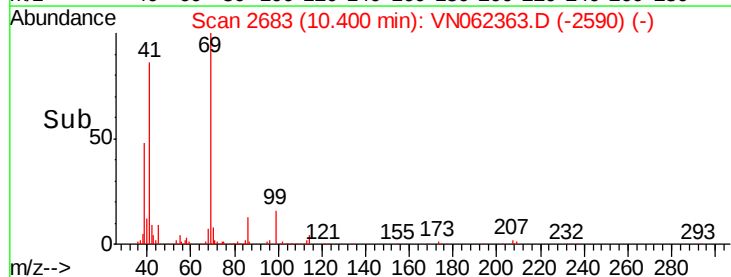
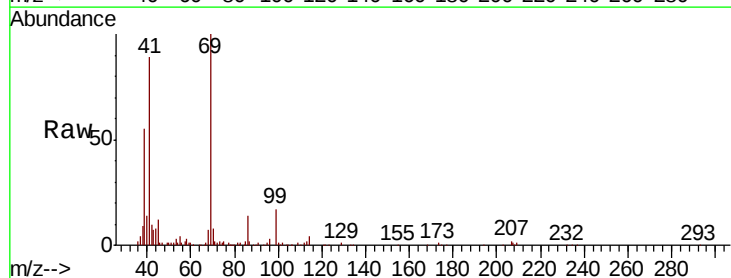
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

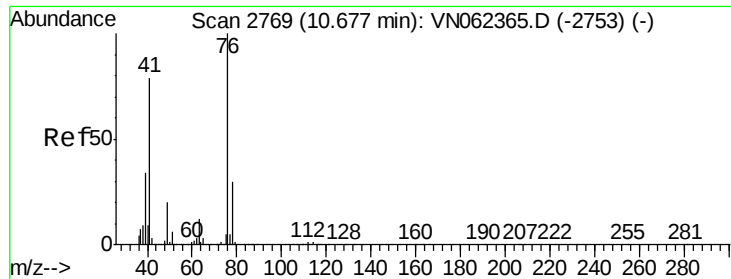
Tot Ion:	97	Resp:	64395
Ion	Ratio	Lower	Upper
97	100		
83	81.7	72.4	108.6
85	61.0	46.3	69.5
99	59.9	47.0	70.6



#56
 Ethyl methacrylate
 Concen: 5.376 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

Tgt Ion:	69	Resp:	94341
Ion	Ratio	Lower	Upper
69	100		
41	84.8	69.4	104.0
39	49.3	42.4	63.6





#57

1,3-Dichloropropane

Concen: 5.406 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

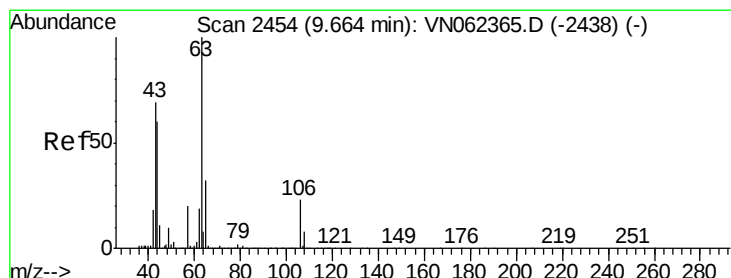
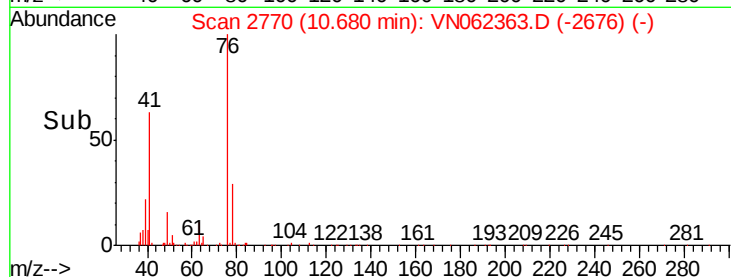
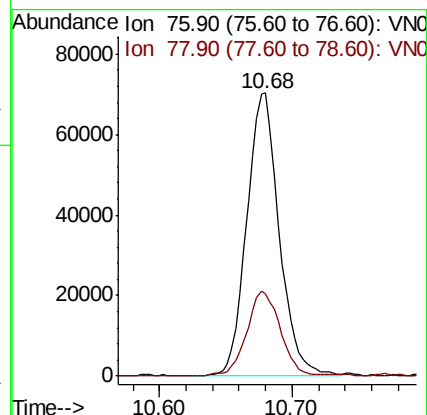
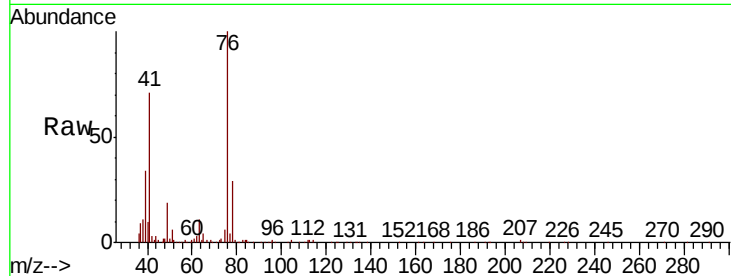
VSTDIC005

Tot Ion: 76 Resp: 119990

Ion Ratio Lower Upper

76 100

78 31.0 25.0 37.4



#58

2-Chloroethyl Vinyl ether

Concen: 24.588 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062363.D

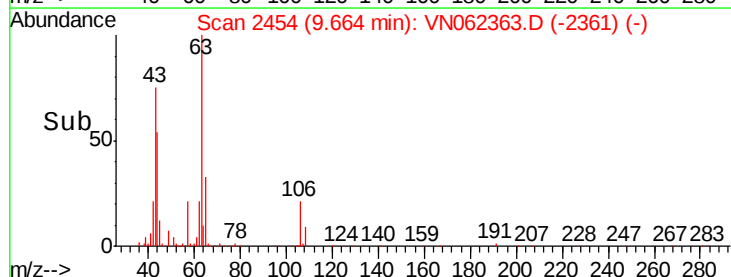
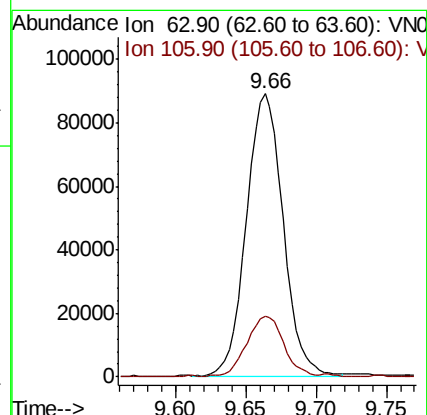
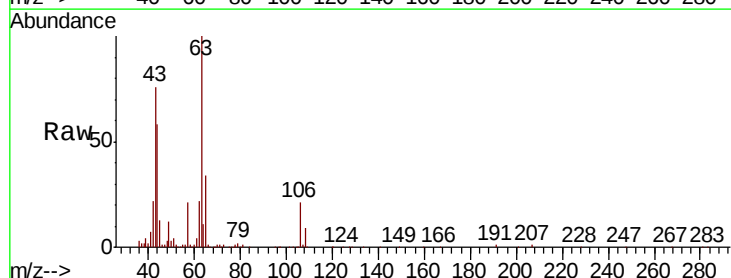
Acq: 6 Jul 2020 12:50

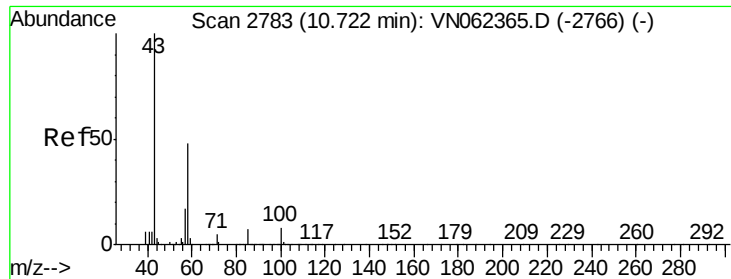
Tgt Ion: 63 Resp: 162160

Ion Ratio Lower Upper

63 100

106 21.9 18.0 27.0

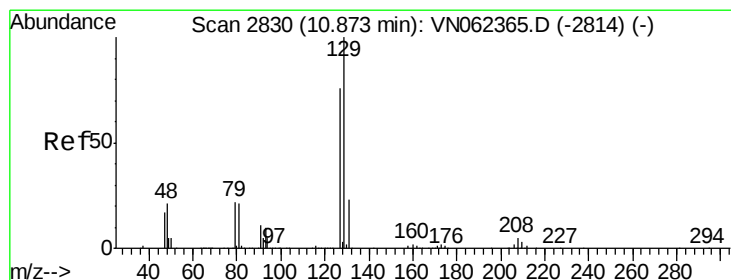
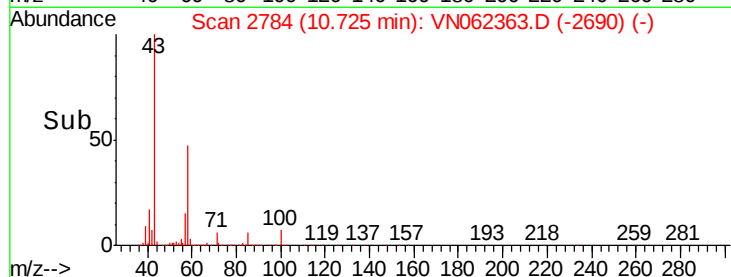
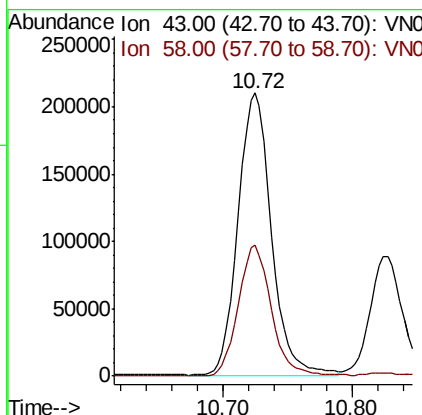
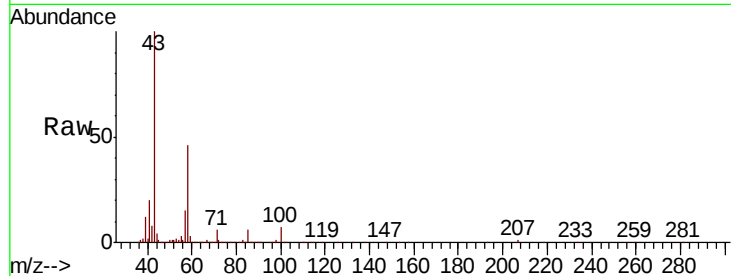




#59
2-Hexanone
Concen: 34.235 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

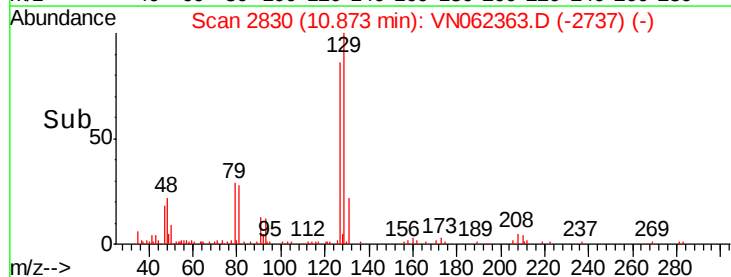
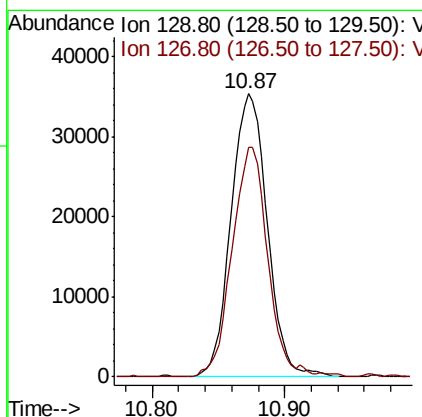
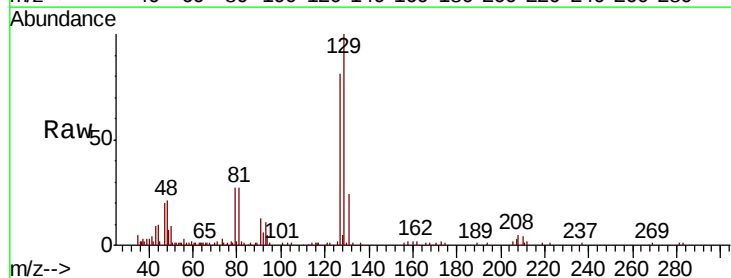
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

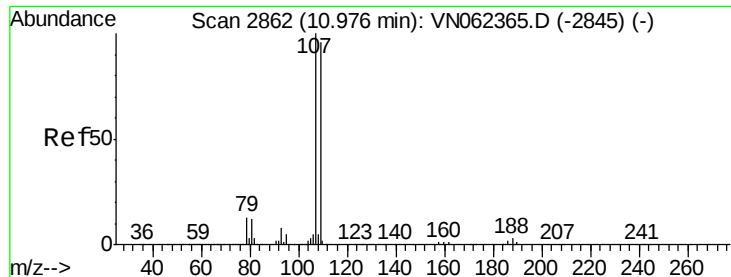
Tot Ion: 43 Resp: 375493
Ion Ratio Lower Upper
43 100
58 46.0 23.5 70.6



#60
Dibromochloromethane
Concen: 4.937 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion:129 Resp: 67292
Ion Ratio Lower Upper
129 100
127 80.1 38.8 116.3

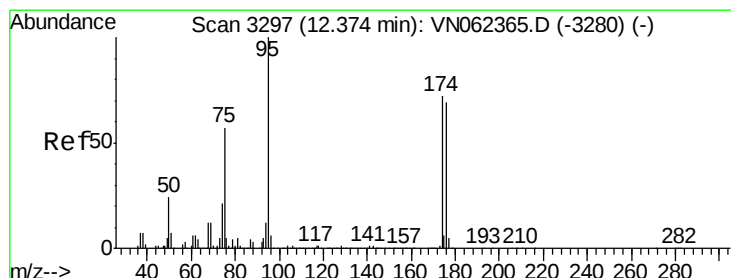
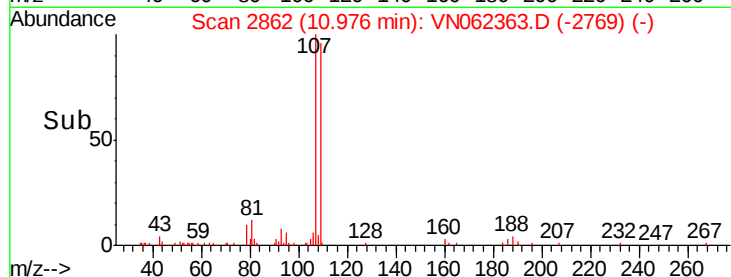
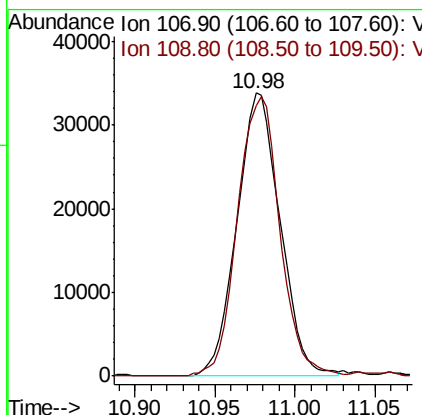
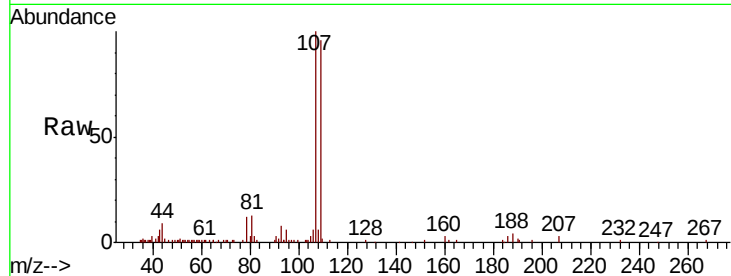




#61
 1,2-Dibromoethane
 Concen: 4.772 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

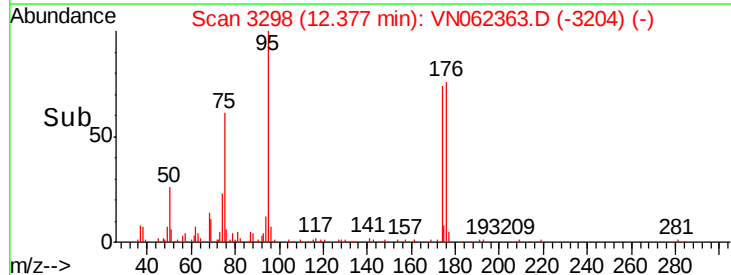
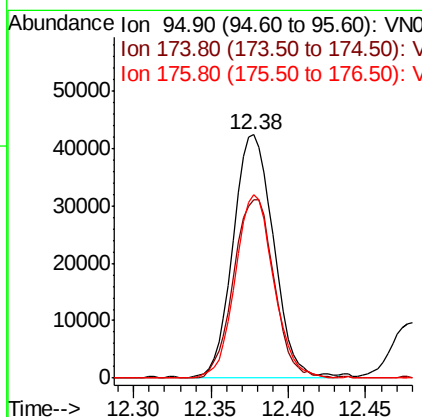
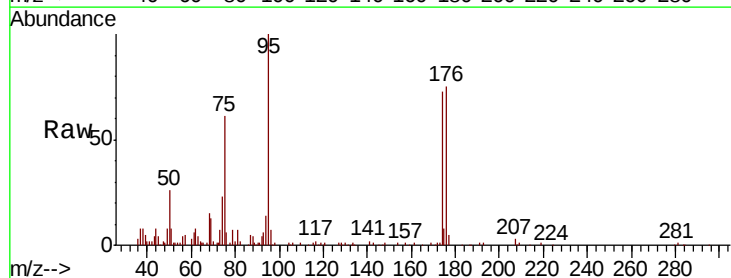
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

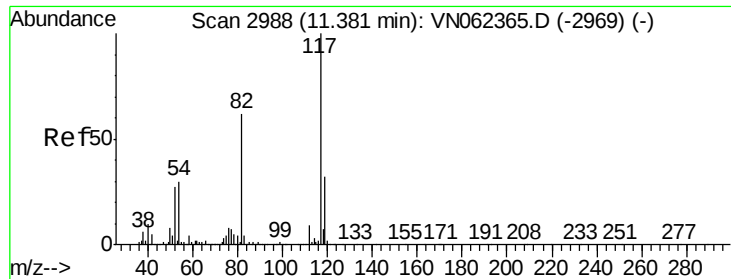
Tot Ion:107 Resp: 62265
 Ion Ratio Lower Upper
 107 100
 109 97.1 76.4 114.6



#62
 4-Bromofluorobenzene
 Concen: 4.916 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

Tgt Ion: 95 Resp: 77290
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 145.8
 176 71.3 0.0 140.2

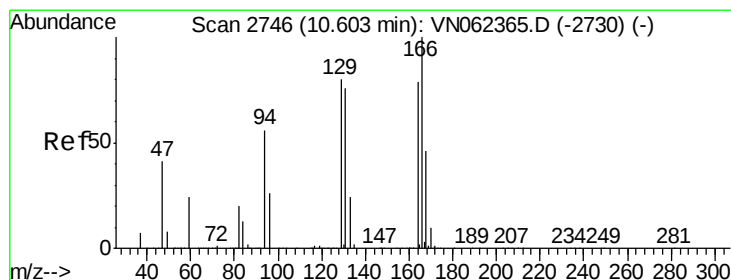
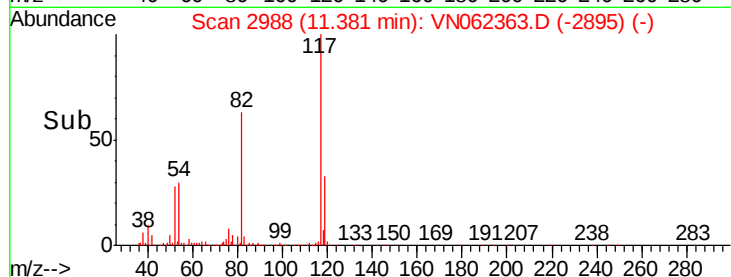
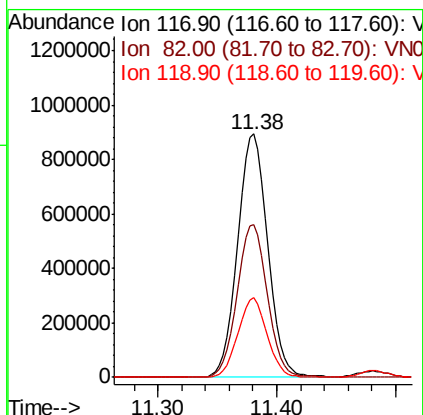
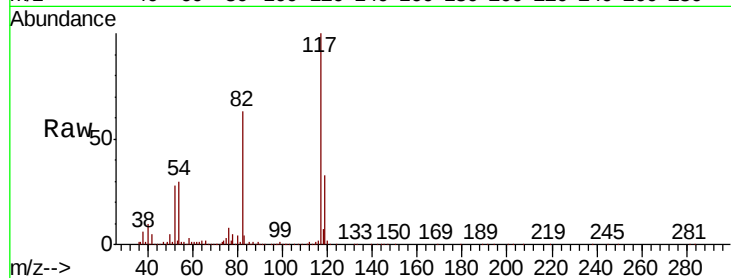




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

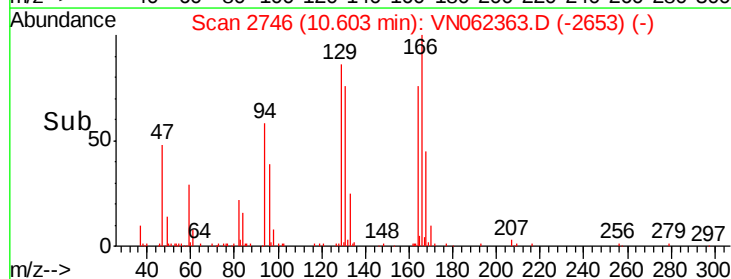
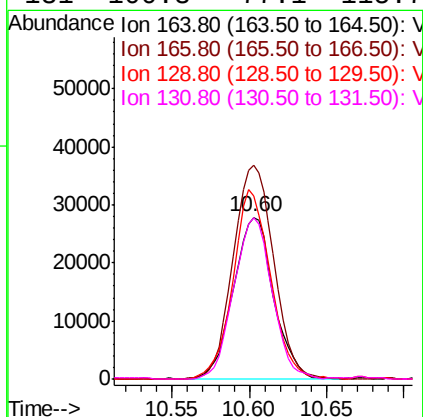
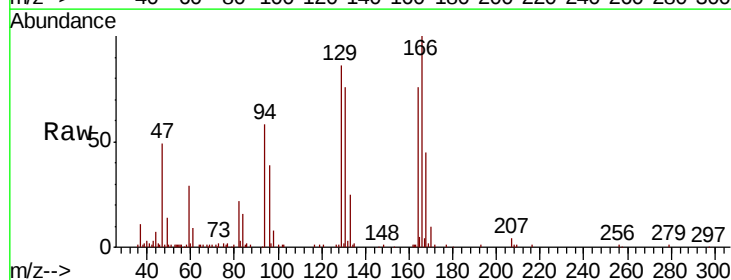
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

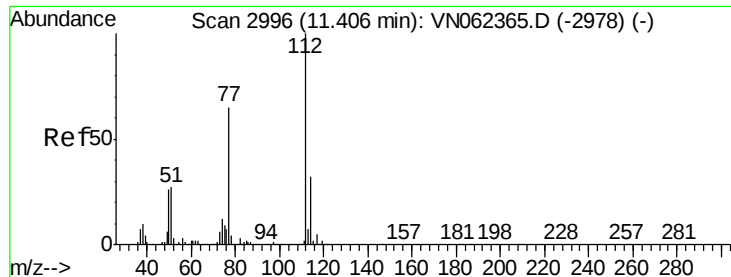
Tot Ion:117 Resp: 1568968
Ion Ratio Lower Upper
117 100
82 62.5 49.4 74.2
119 32.7 25.6 38.4



#64
Tetrachloroethene
Concen: 4.729 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion:164 Resp: 50320
Ion Ratio Lower Upper
164 100
166 131.6 101.6 152.4
129 113.3 81.4 122.2
131 100.3 77.1 115.7





#65

Chlorobenzene

Concen: 4.977 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

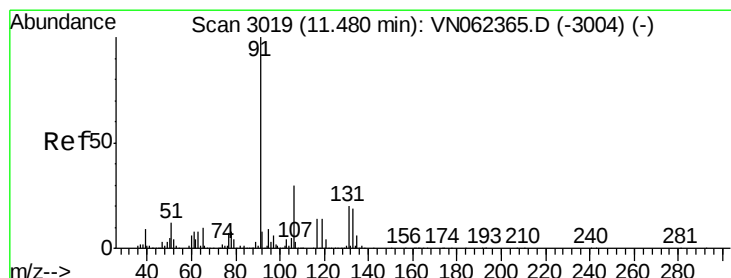
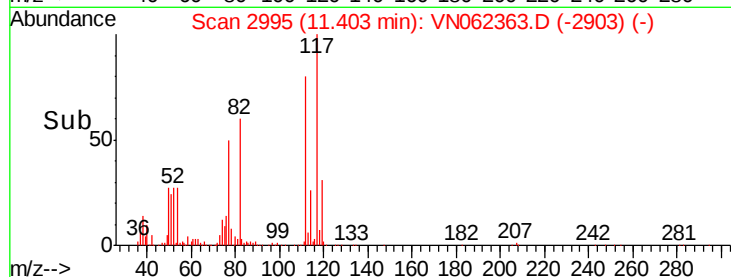
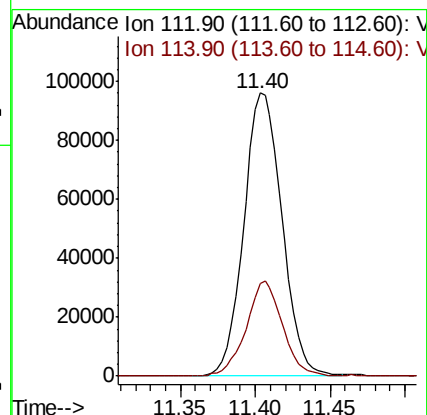
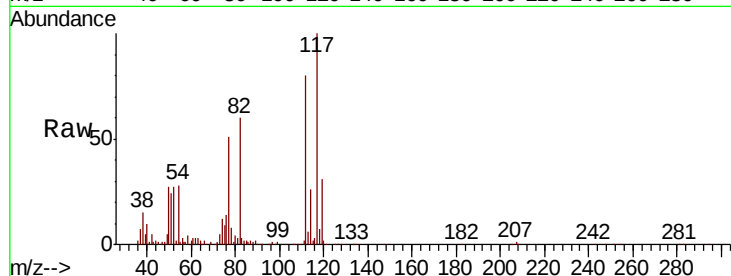
VSTDIC005

Tot Ion:112 Resp: 170851

Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 4.981 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

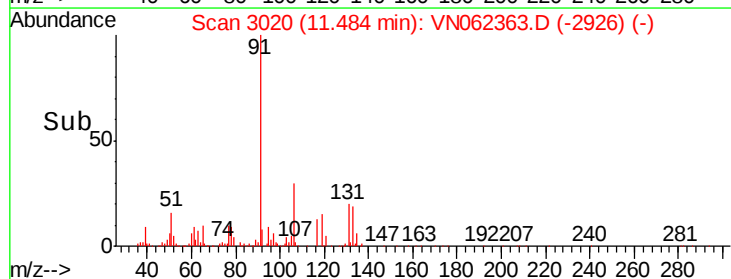
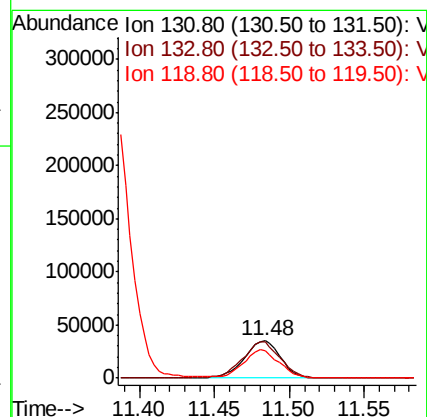
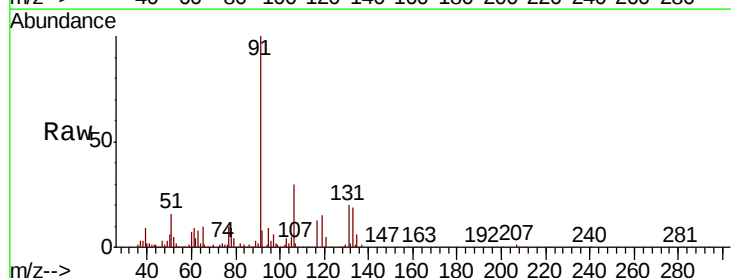
Tgt Ion:131 Resp: 59686

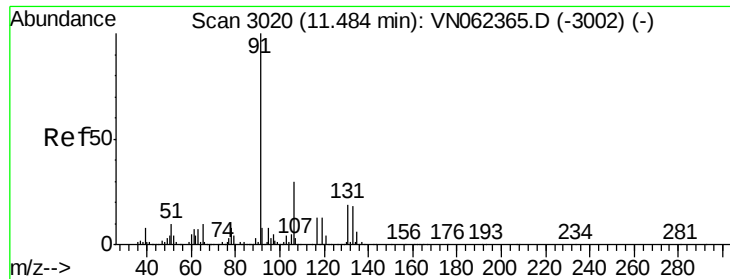
Ion Ratio Lower Upper

131 100

133 100.5 47.3 141.9

119 73.9 33.3 99.9

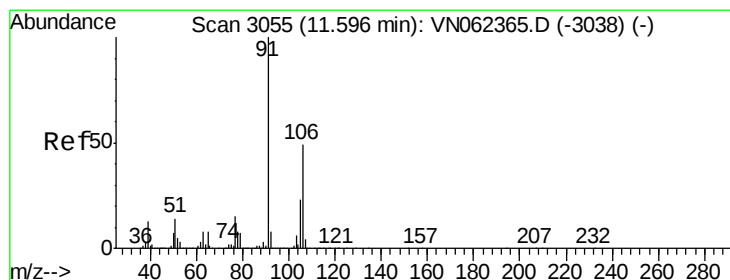
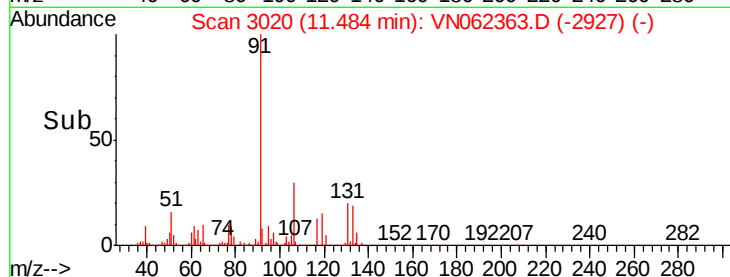
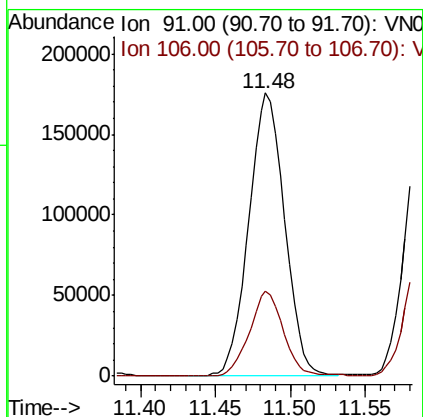
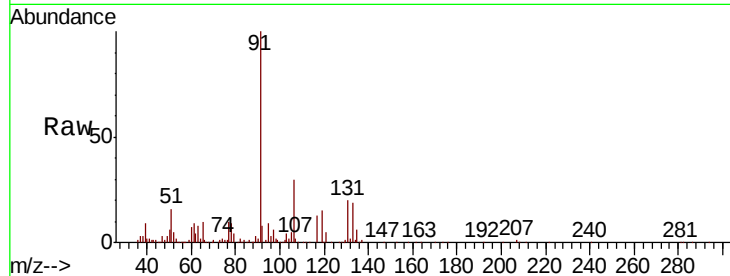




#67
Ethyl Benzene
Concen: 5.013 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

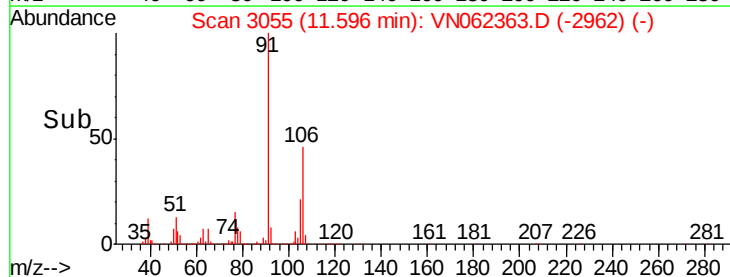
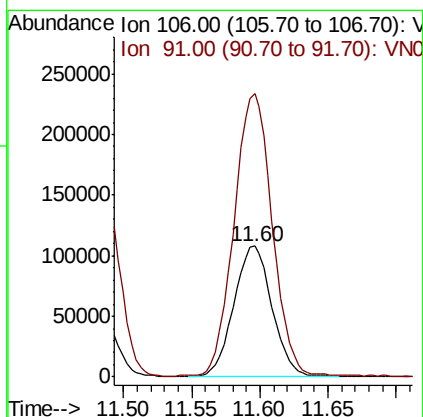
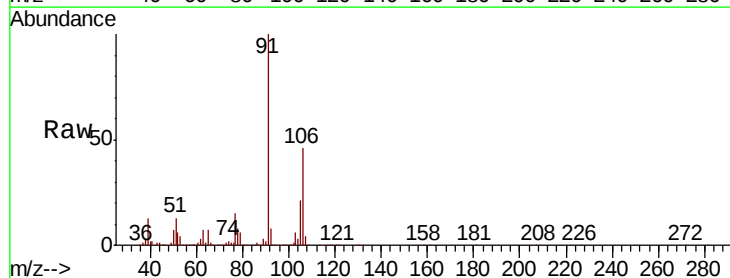
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

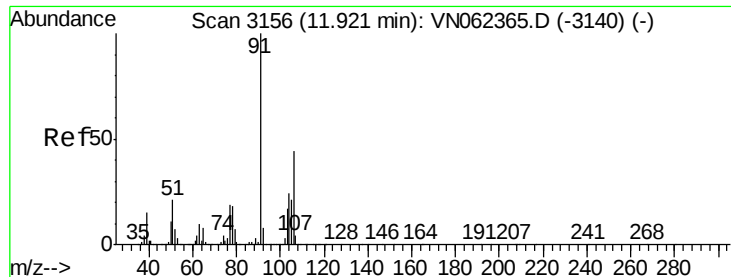
Tot Ion: 91 Resp: 293006
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2



#68
m/p-Xylenes
Concen: 9.327 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion: 106 Resp: 208680
Ion Ratio Lower Upper
106 100
91 216.5 165.4 248.2

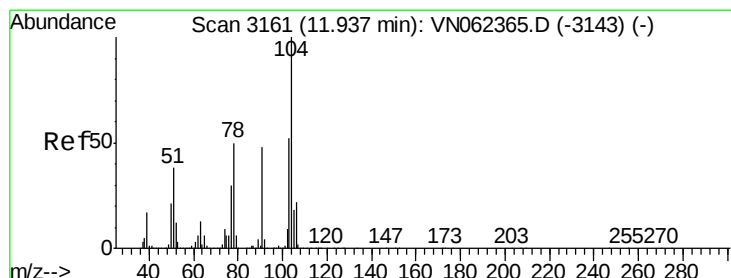
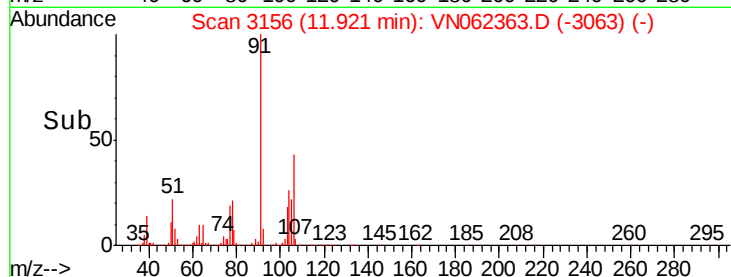
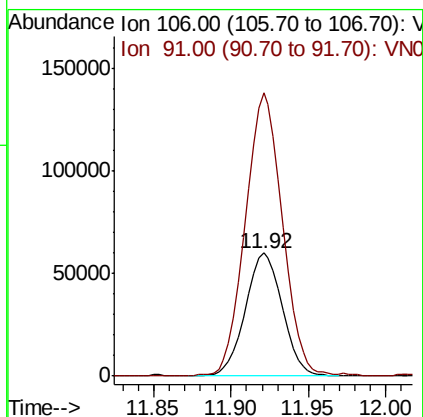
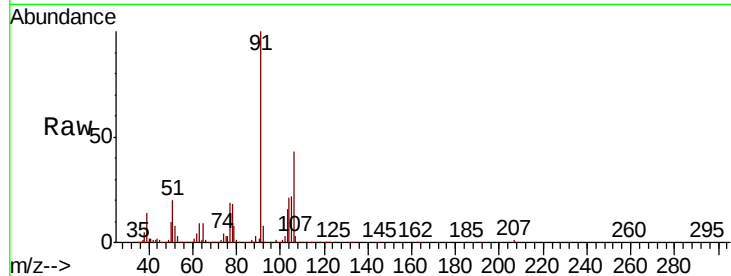




#69
o-Xylene
Concen: 4.763 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

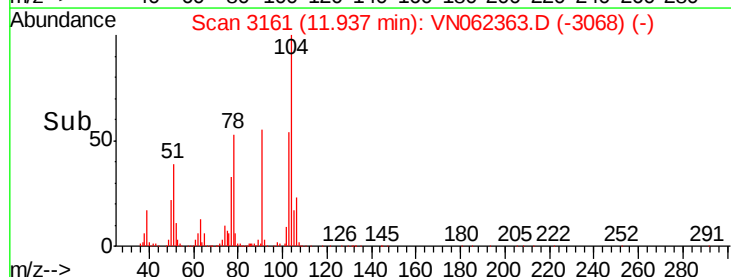
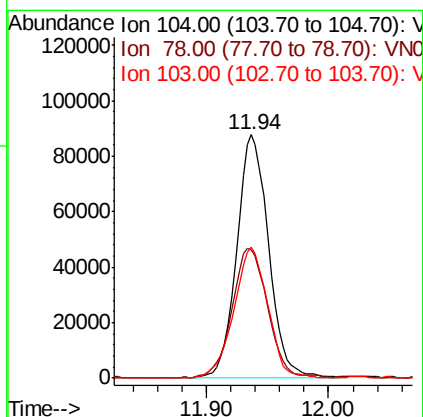
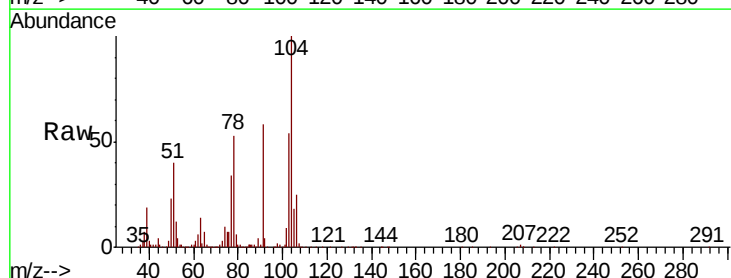
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

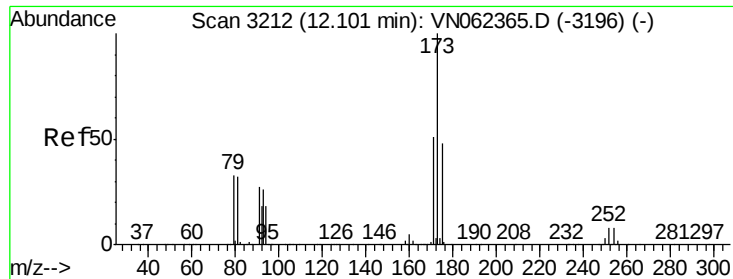
Tot Ion:106 Resp: 100494
Ion Ratio Lower Upper
106 100
91 229.7 113.1 339.4



#70
Styrene
Concen: 4.484 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion:104 Resp: 158100
Ion Ratio Lower Upper
104 100
78 58.6 44.8 67.2
103 57.6 45.0 67.4

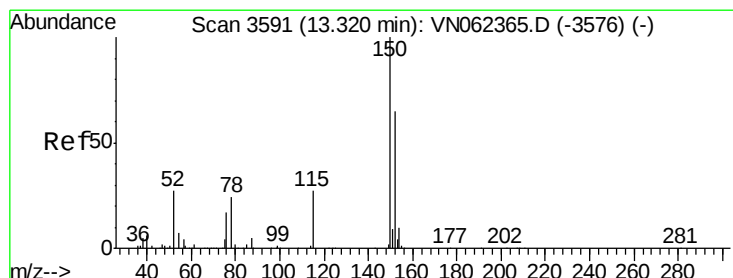
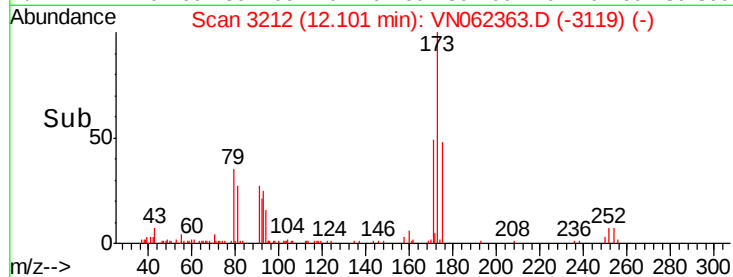
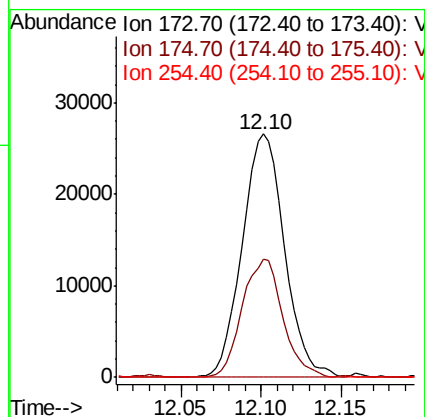
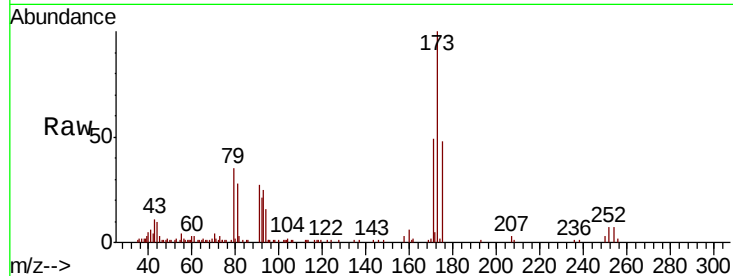




#71
Bromoform
Concen: 5.540 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

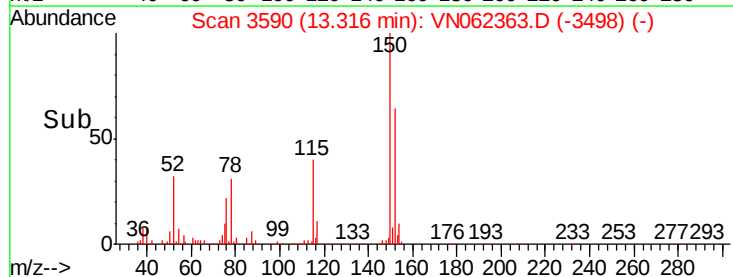
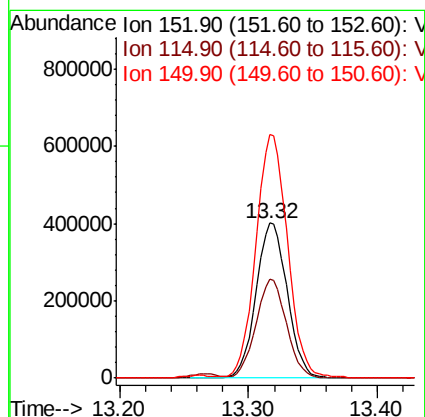
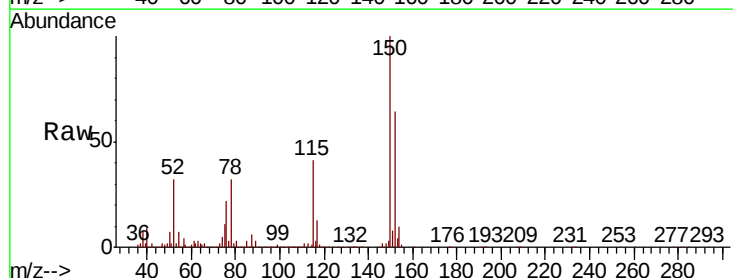
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

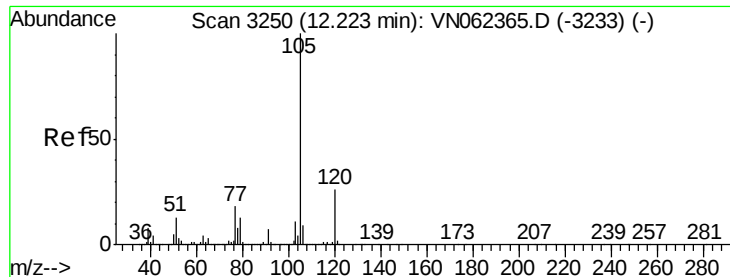
Tot Ion:173 Resp: 47893
Ion Ratio Lower Upper
173 100
175 46.5 24.1 72.2
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion:152 Resp: 678237
Ion Ratio Lower Upper
152 100
115 61.5 30.5 91.5
150 158.8 0.0 346.8





#73

Isopropylbenzene

Concen: 5.298 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

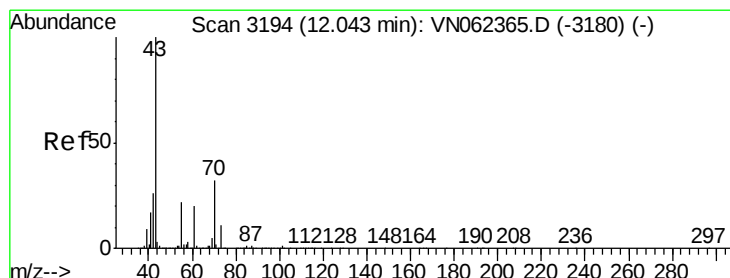
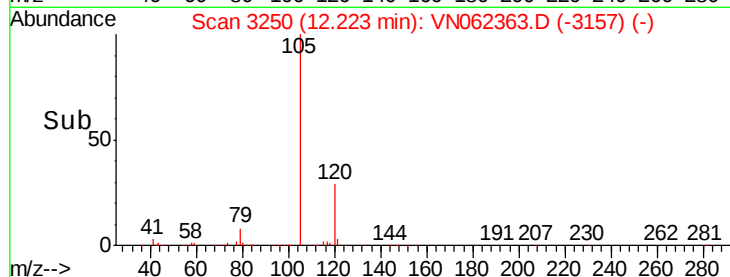
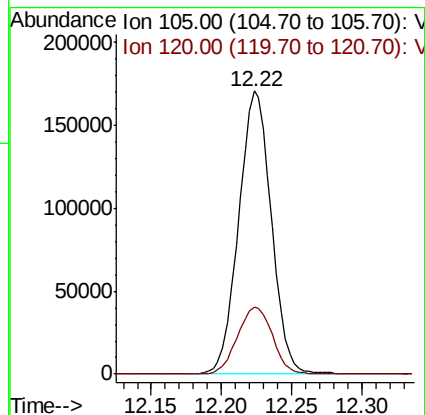
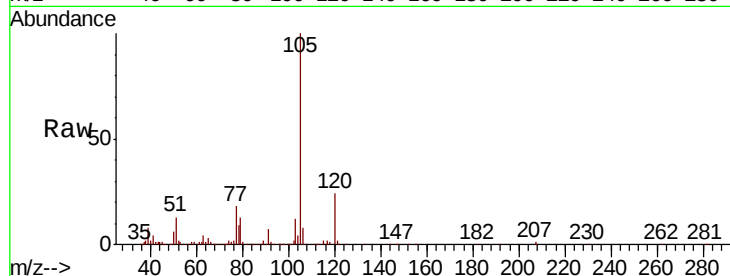
VSTDIC005

Tot Ion:105 Resp: 277418

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3



#74

N-ethyl acetate

Concen: 6.806 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Tgt Ion: 43 Resp: 129105

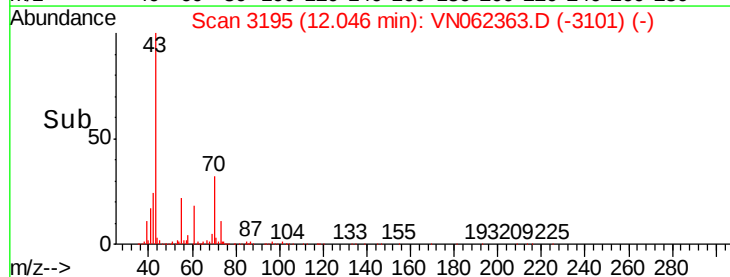
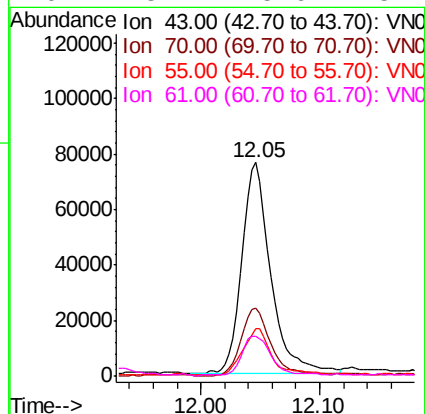
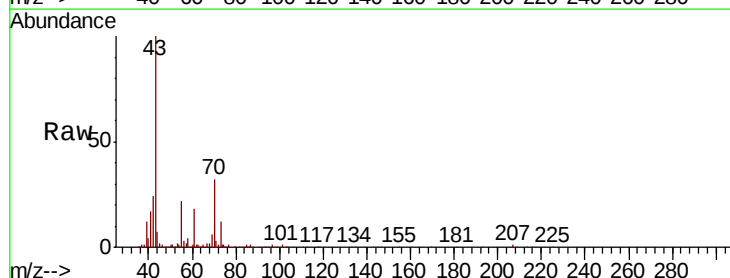
Ion Ratio Lower Upper

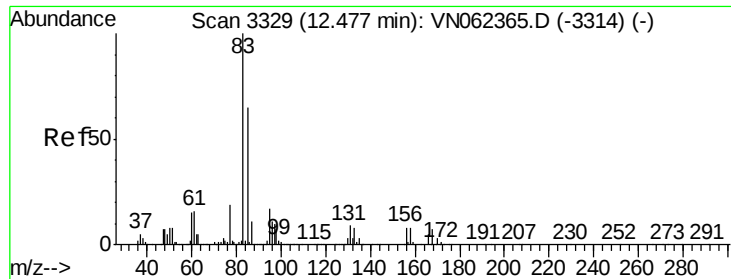
43 100

70 33.2 25.9 38.9

55 21.4 17.4 26.0

61 18.4 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.365 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

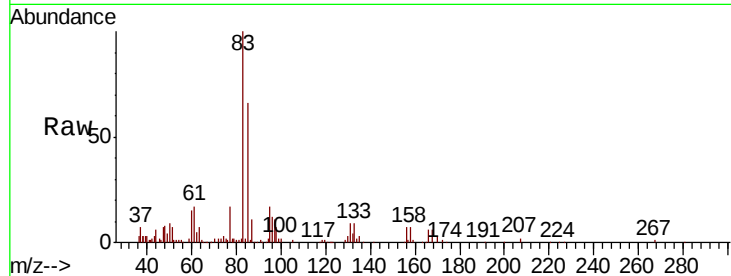
Tot Ion: 83 Resp: 94211

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

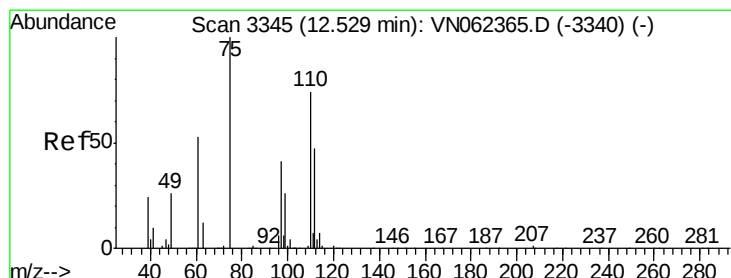
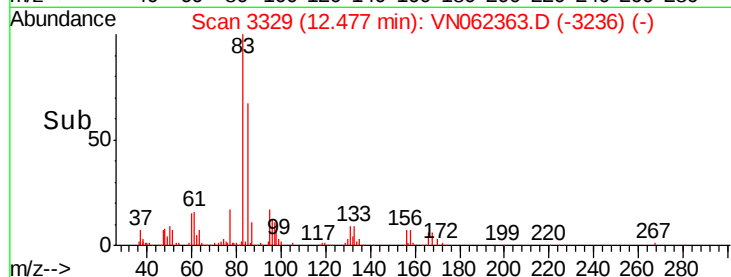
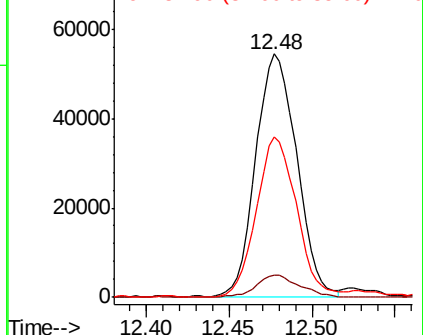
85 64.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN062363.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN062363.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN062363.D (-3326) (-)



#76

1,2,3-Trichloropropane

Concen: 7.486 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062363.D

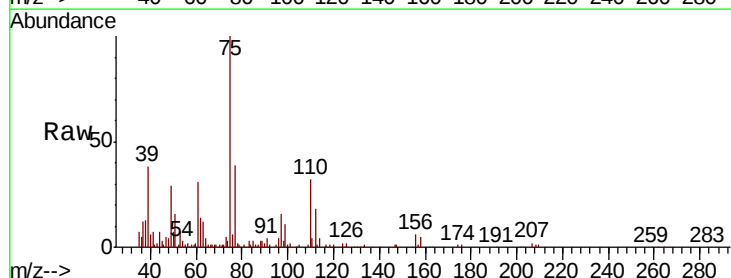
Acq: 6 Jul 2020 12:50

Tgt Ion: 75 Resp: 119728

Ion Ratio Lower Upper

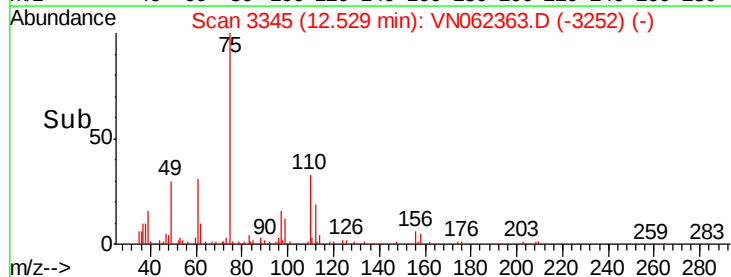
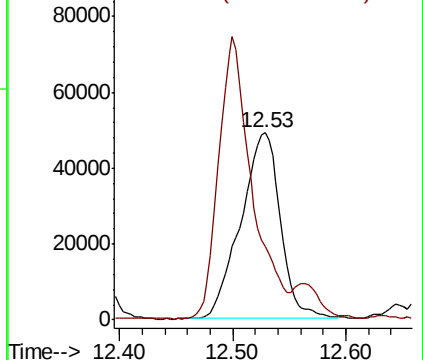
75 100

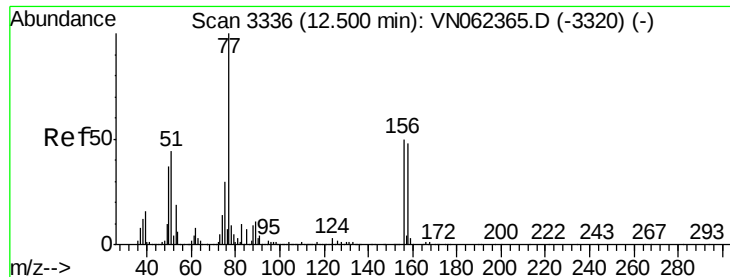
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062363.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062363.D (-3252) (-)





#77

Bromobenzene

Concen: 4.678 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

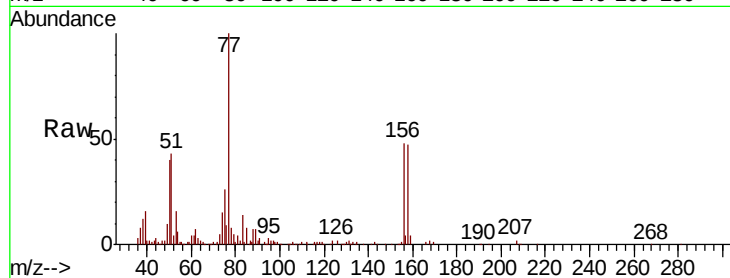
Tot Ion:156 Resp: 60455

Ion Ratio Lower Upper

156 100

77 251.6 123.3 369.8

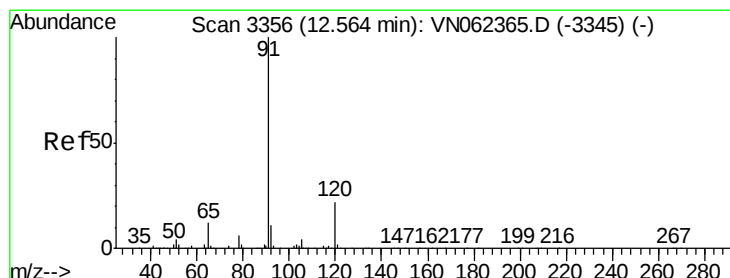
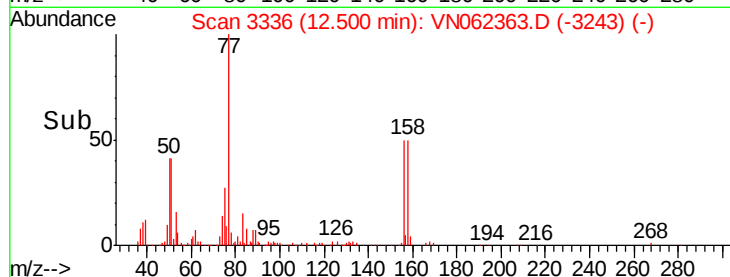
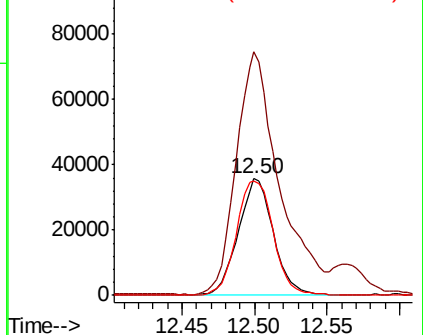
158 103.1 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.140 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062363.D

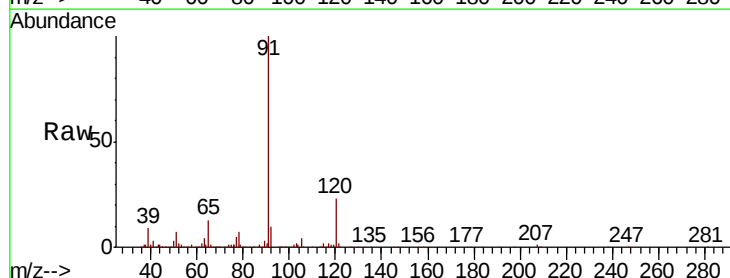
Acq: 6 Jul 2020 12:50

Tgt Ion: 91 Resp: 308802

Ion Ratio Lower Upper

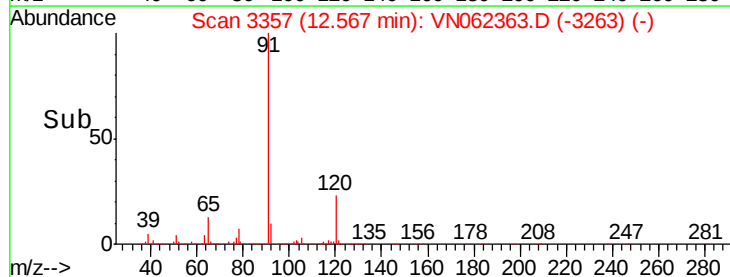
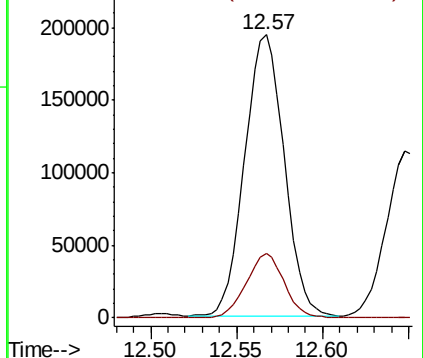
91 100

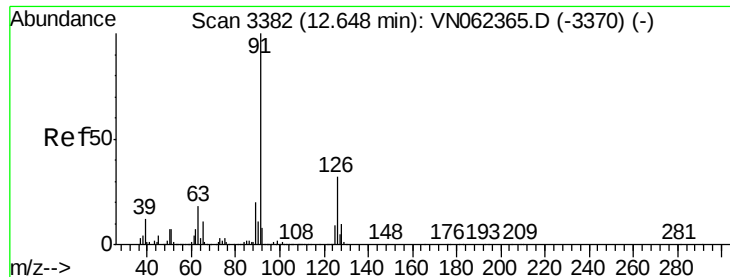
120 22.2 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.210 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

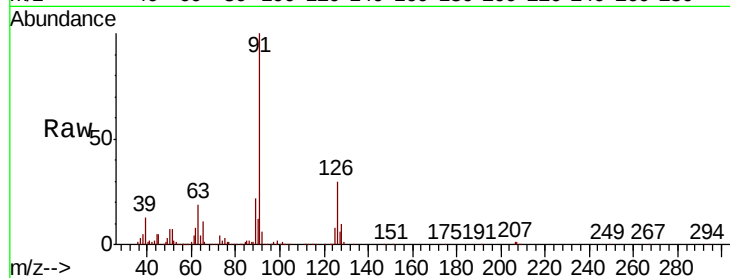
VSTDIC005

Tot Ion: 91 Resp: 190199

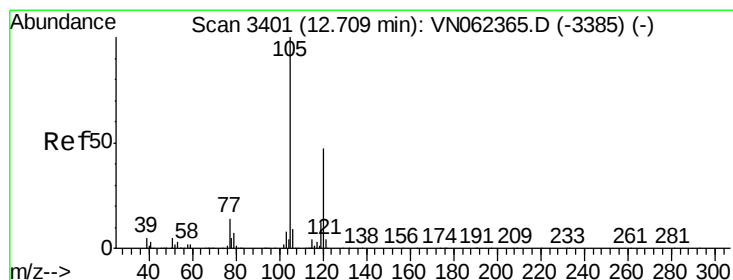
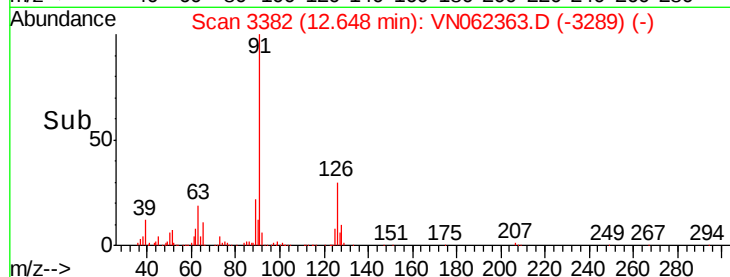
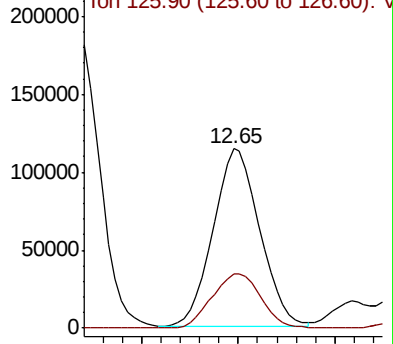
Ion Ratio Lower Upper

91 100

126 32.5 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN062363.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.237 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062363.D

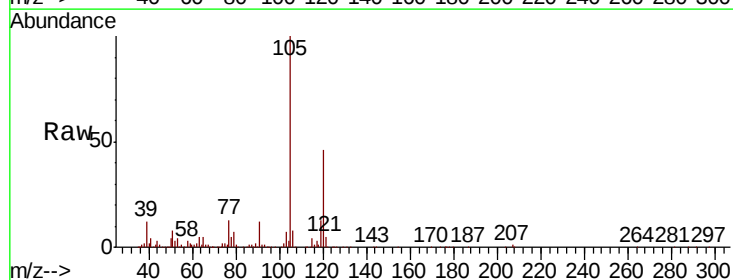
Acq: 6 Jul 2020 12:50

Tgt Ion: 105 Resp: 223517

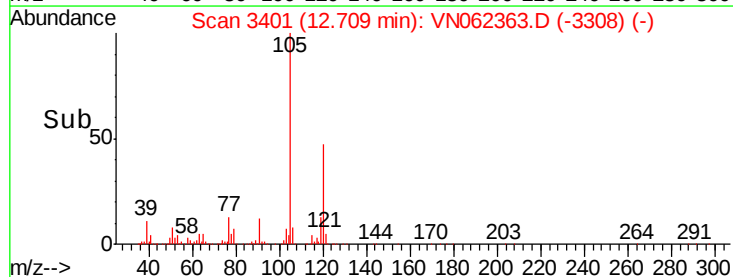
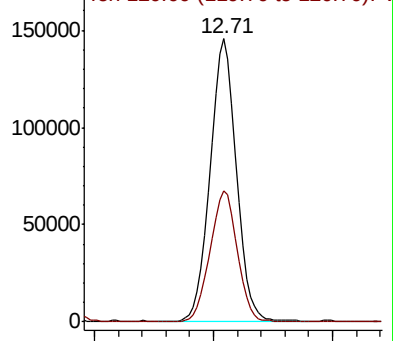
Ion Ratio Lower Upper

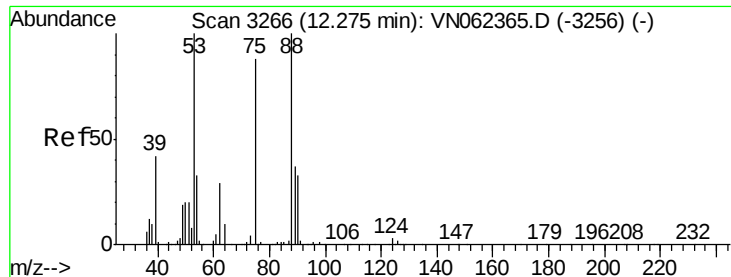
105 100

120 48.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062363.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.812 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

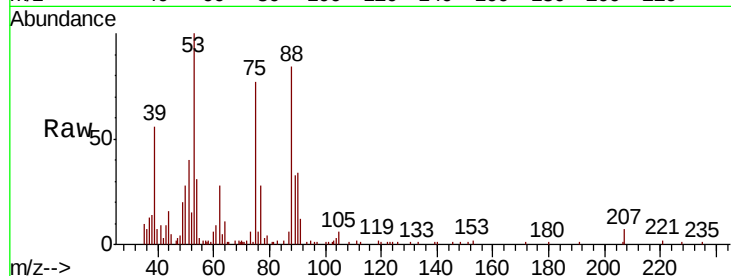
Tot Ion: 75 Resp: 26613

Ion Ratio Lower Upper

75 100

53 119.2 92.3 138.5

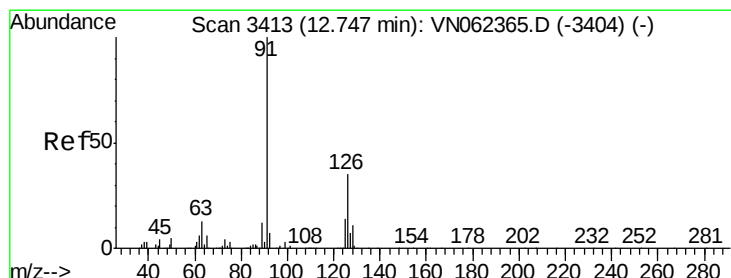
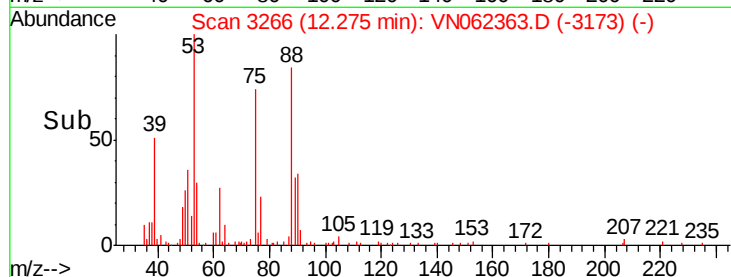
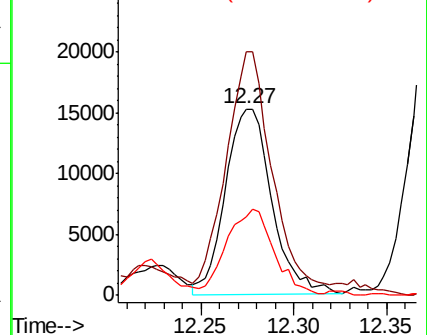
89 47.5 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.165 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062363.D

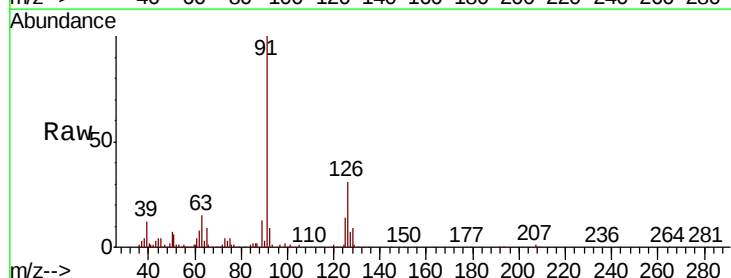
Acq: 6 Jul 2020 12:50

Tgt Ion: 91 Resp: 194982

Ion Ratio Lower Upper

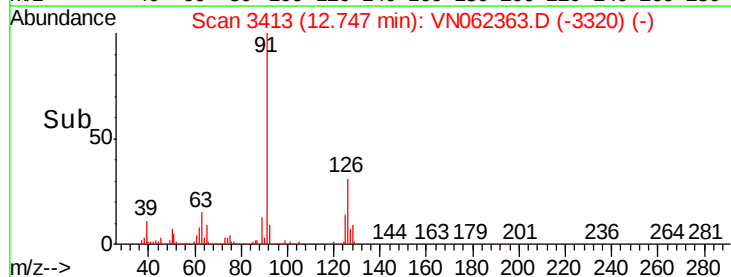
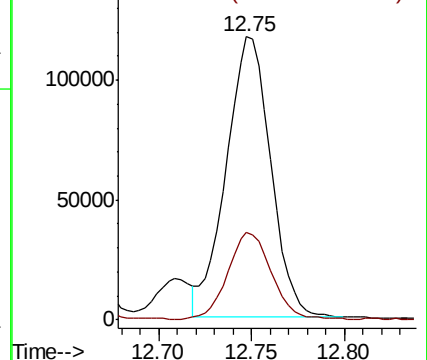
91 100

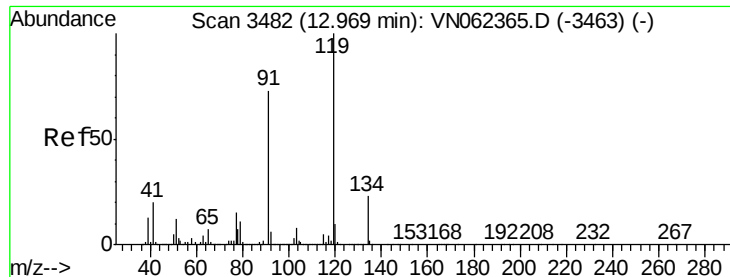
126 30.5 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.181 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

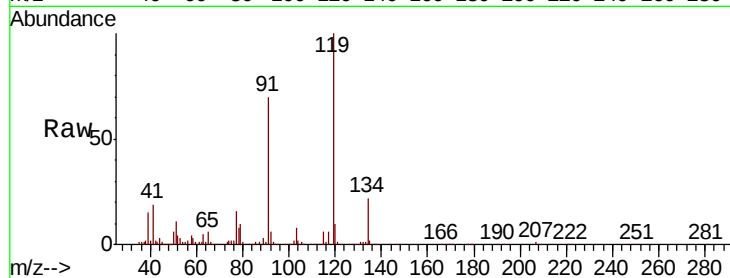
Tot Ion:119 Resp: 188174

Ion Ratio Lower Upper

119 100

91 71.2 36.4 109.1

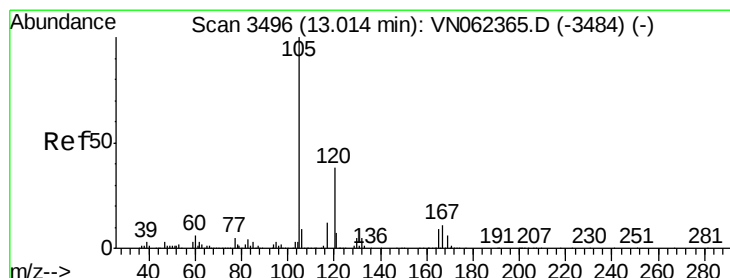
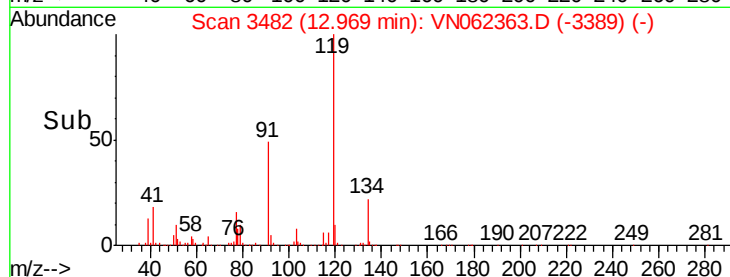
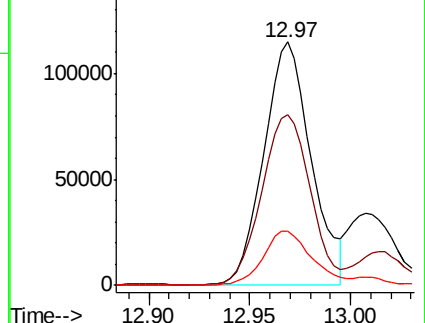
134 22.9 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.182 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN062363.D

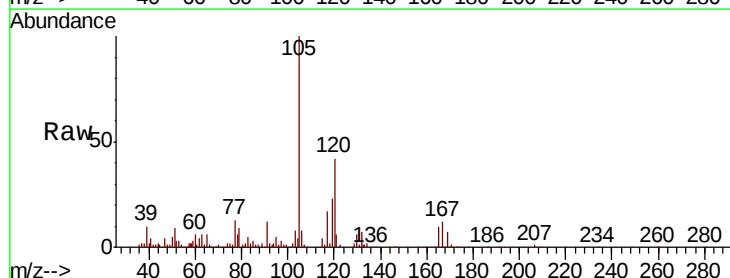
Acq: 6 Jul 2020 12:50

Tgt Ion:105 Resp: 220362

Ion Ratio Lower Upper

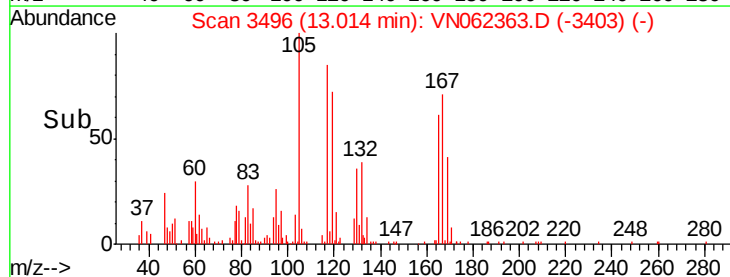
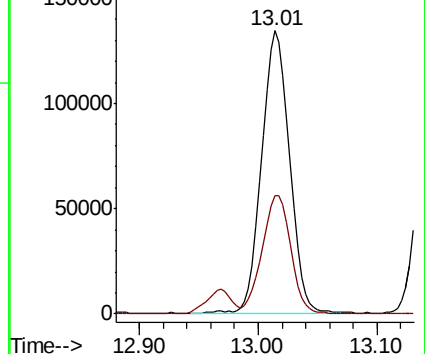
105 100

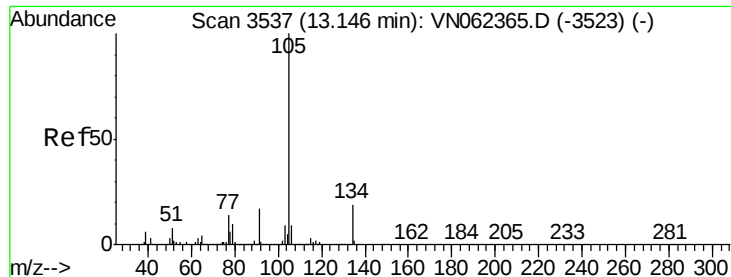
120 42.2 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

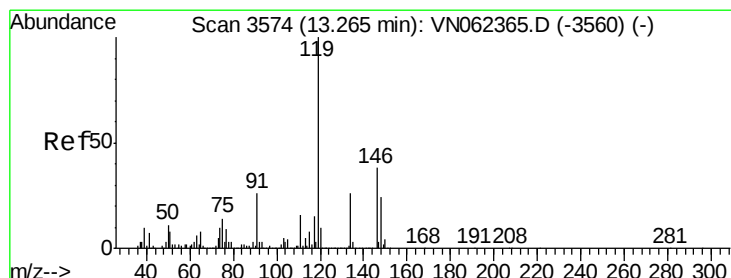
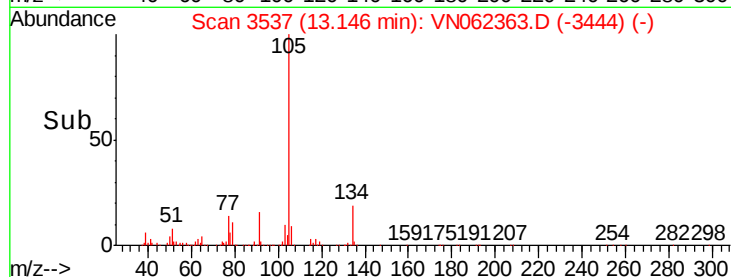
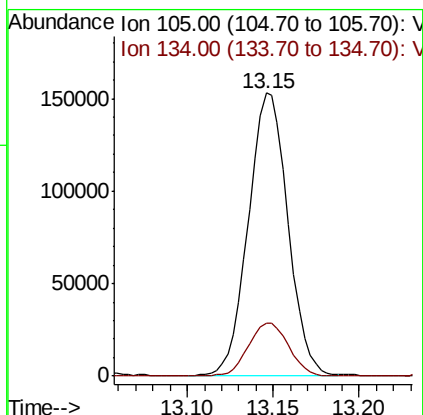
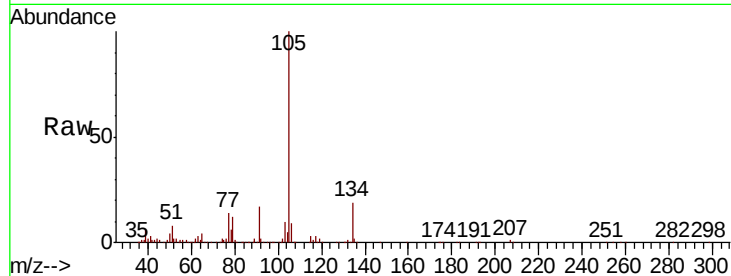




#85
 sec-Butylbenzene
 Concen: 5.034 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

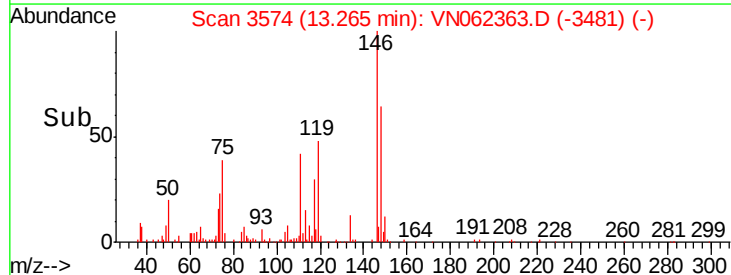
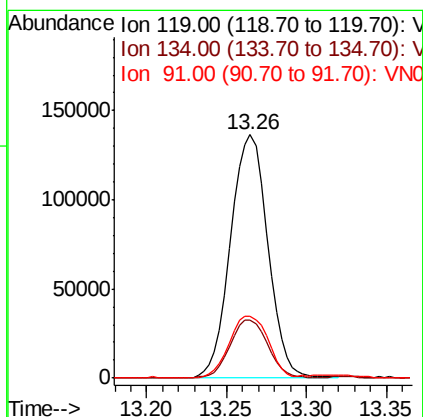
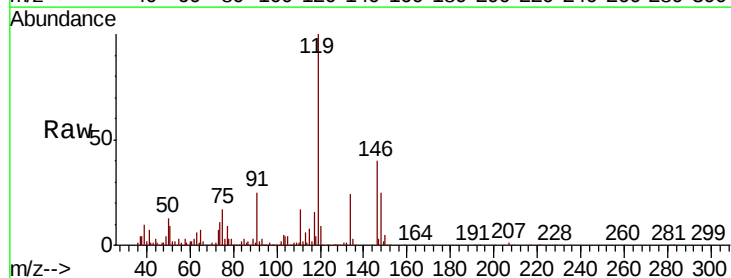
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

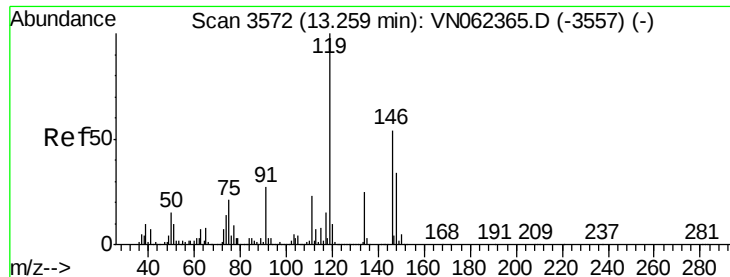
Tot Ion:105 Resp: 242822
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 5.126 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

Tgt Ion:119 Resp: 216127
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.7 38.1
 91 26.3 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 4.948 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

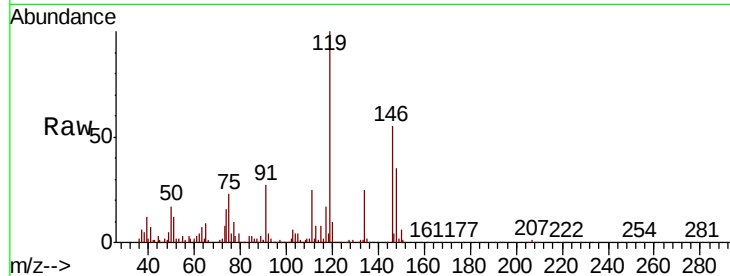
Tot Ion:146 Resp: 112630

Ion Ratio Lower Upper

146 100

111 43.3 21.3 63.9

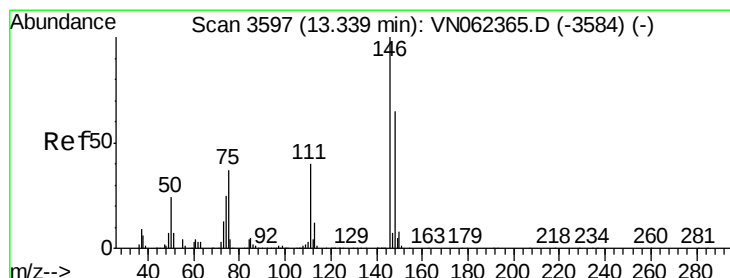
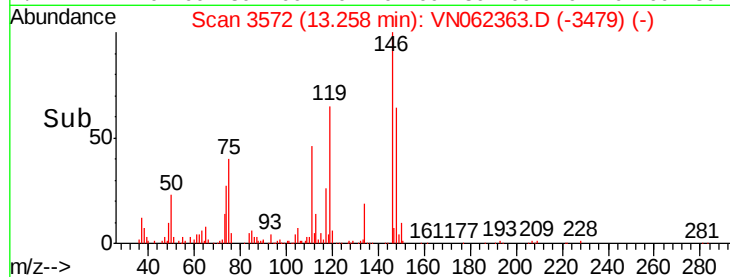
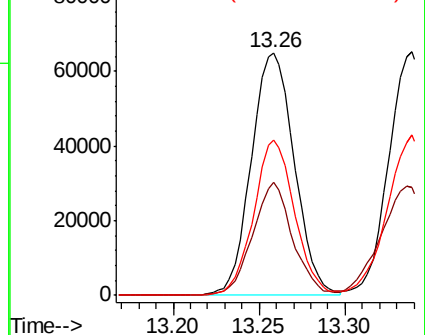
148 61.0 31.6 95.0



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



#88

1,4-Dichlorobenzene

Concen: 4.825 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

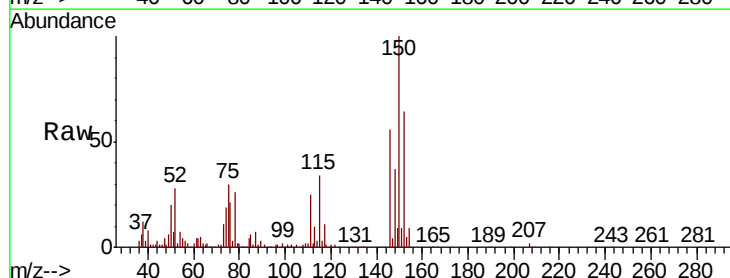
Tgt Ion:146 Resp: 113341

Ion Ratio Lower Upper

146 100

111 49.6 20.6 61.8

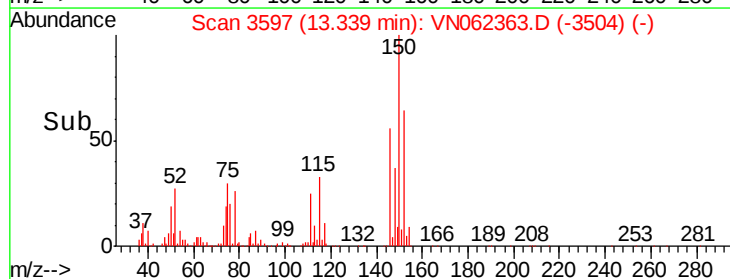
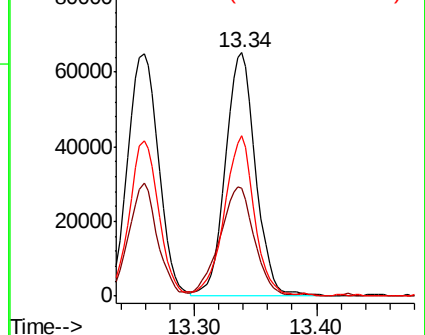
148 63.9 31.8 95.4

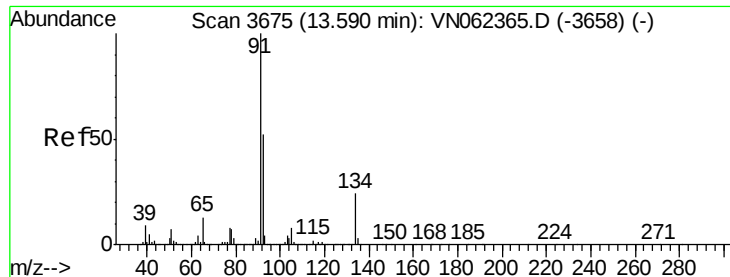


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 5.037 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062363.D

Acq: 6 Jul 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

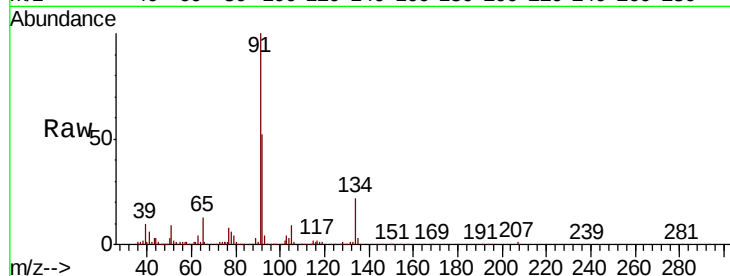
Tot Ion: 91 Resp: 177880

Ion Ratio Lower Upper

91 100

92 54.2 25.7 77.1

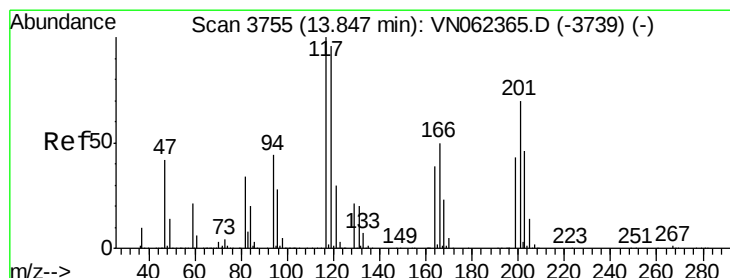
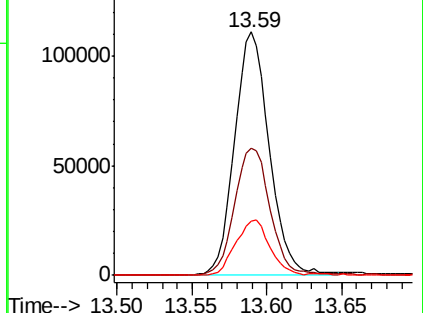
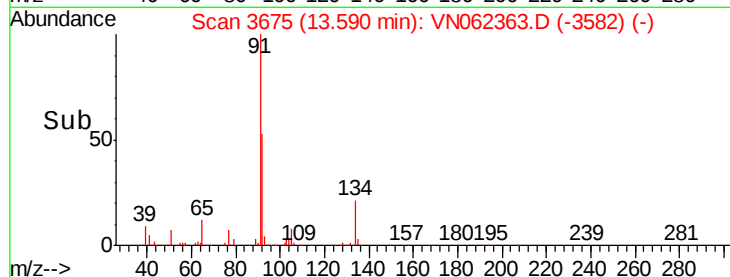
134 22.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VN062363.D (-3658) (-)

Ion 92.00 (91.70 to 92.70): VN062363.D (-3658) (-)

Ion 134.00 (133.70 to 134.70): VN062363.D (-3658) (-)



#90

Hexachloroethane

Concen: 5.081 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062363.D

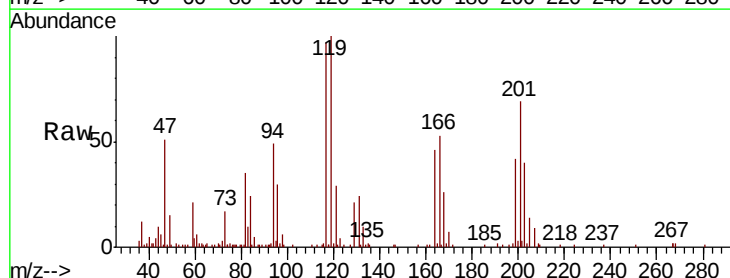
Acq: 6 Jul 2020 12:50

Tgt Ion: 117 Resp: 42641

Ion Ratio Lower Upper

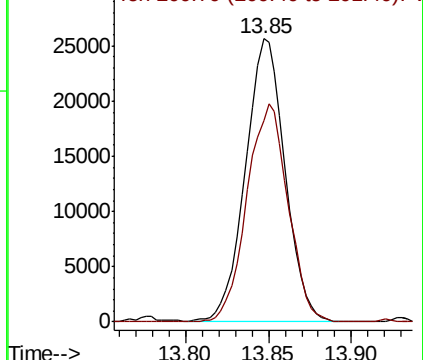
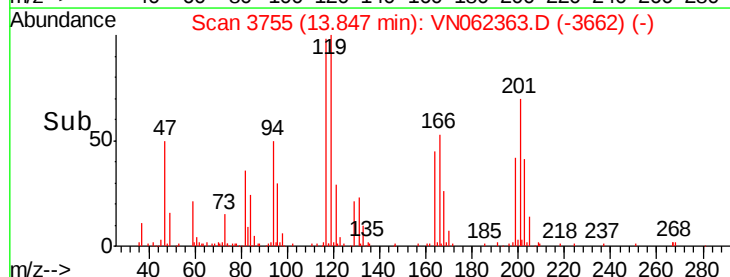
117 100

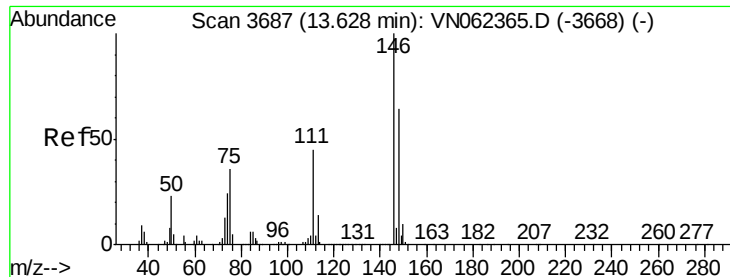
201 79.7 35.4 106.2



Abundance Ion 116.80 (116.50 to 117.50): VN062363.D (-3662) (-)

Ion 200.70 (200.40 to 201.40): VN062363.D (-3662) (-)

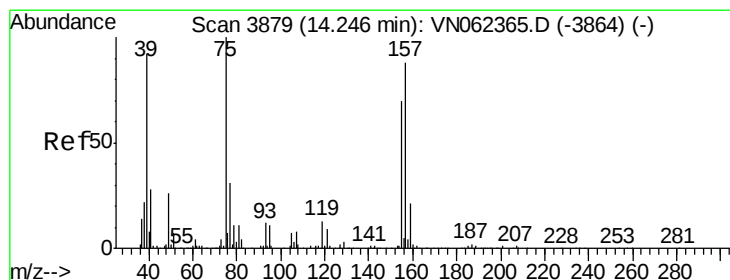
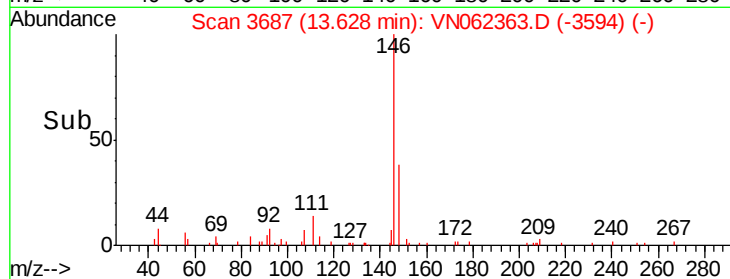
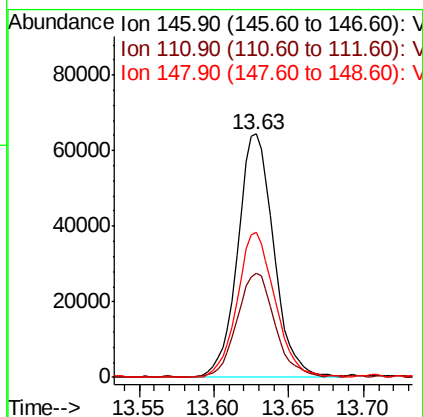
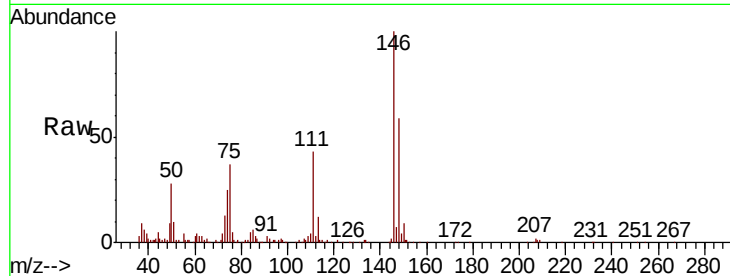




#91
 1,2-Dichlorobenzene
 Concen: 4.908 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

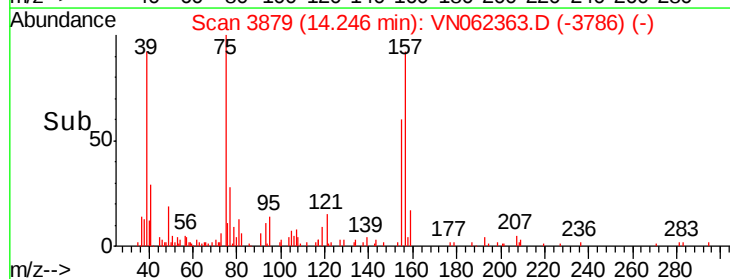
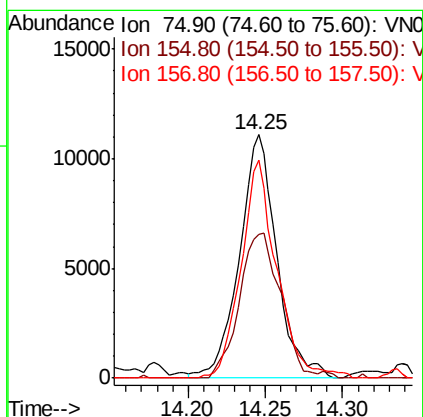
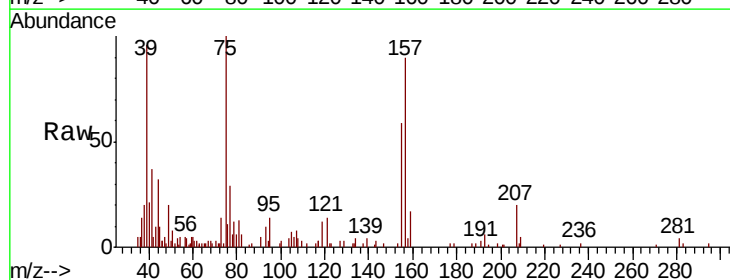
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

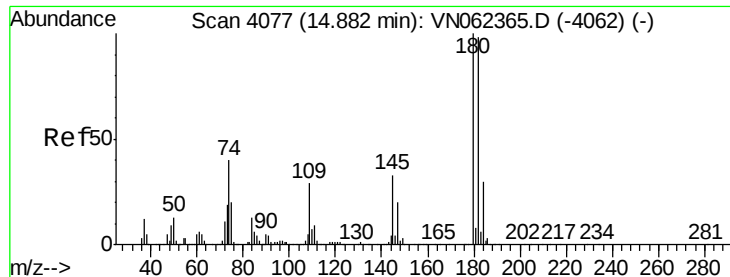
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.3	66.9
148	62.1	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.409 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.7	34.1	102.2
157	86.2	43.3	129.8

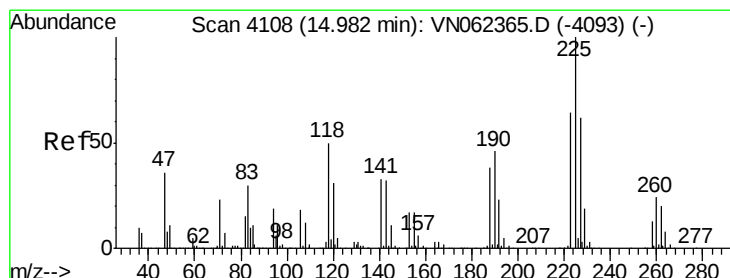
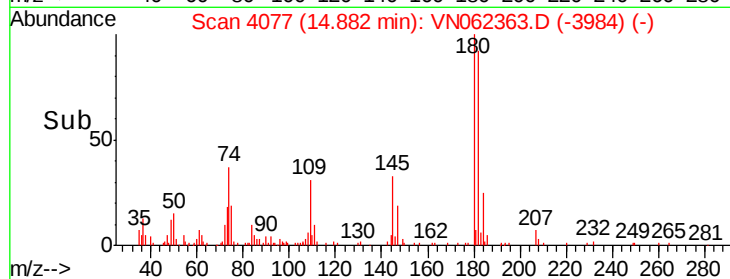
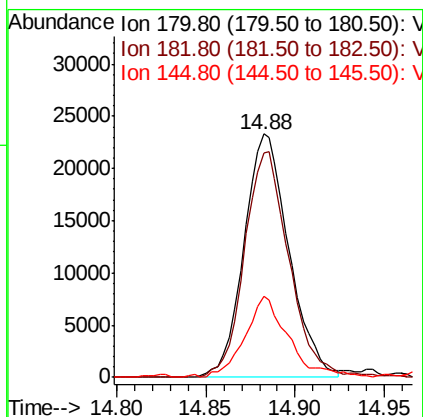
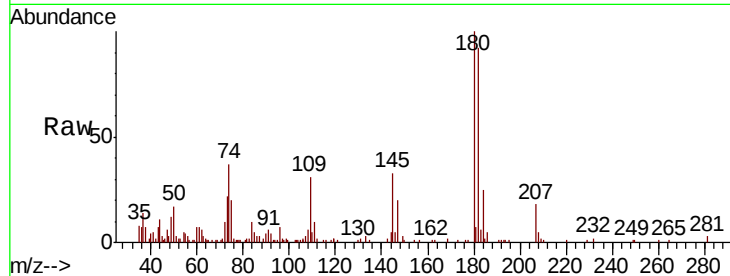




#93
 1,2,4-Trichlorobenzene
 Concen: 4.201 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

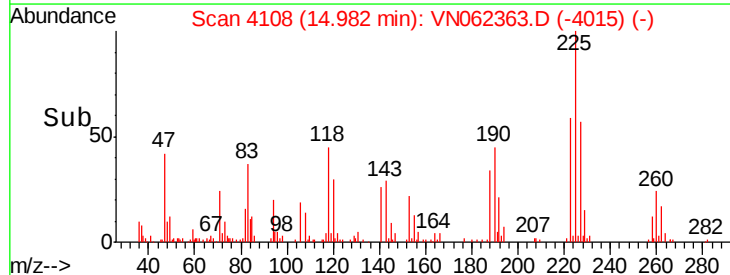
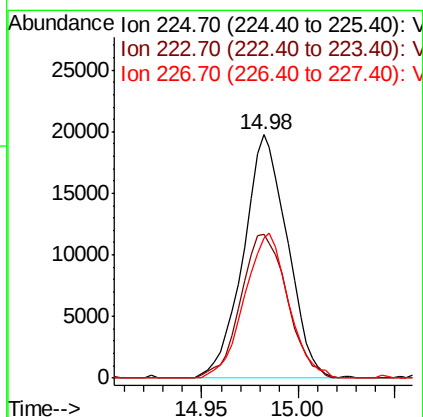
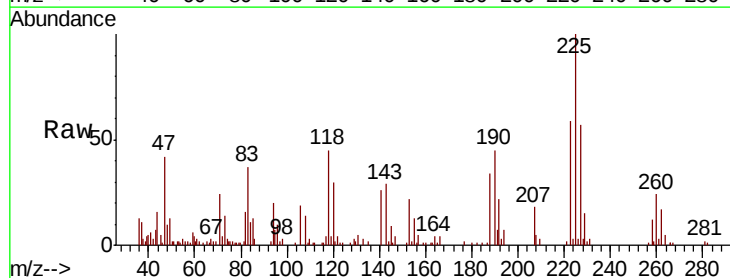
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

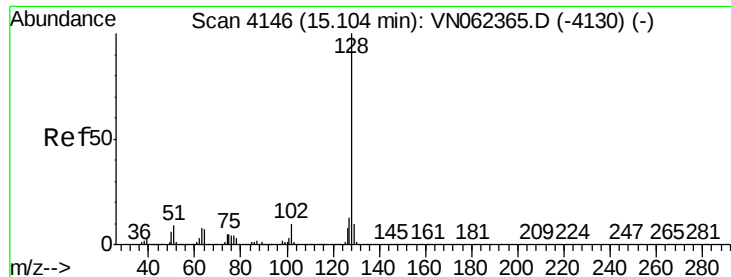
Tot Ion:180 Resp: 40973
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.6 142.8
 145 32.3 15.9 47.7



#94
 Hexachlorobutadiene
 Concen: 6.993 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062363.D
 Acq: 6 Jul 2020 12:50

Tgt Ion:225 Resp: 31327
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.7 95.1
 227 59.4 30.3 90.8

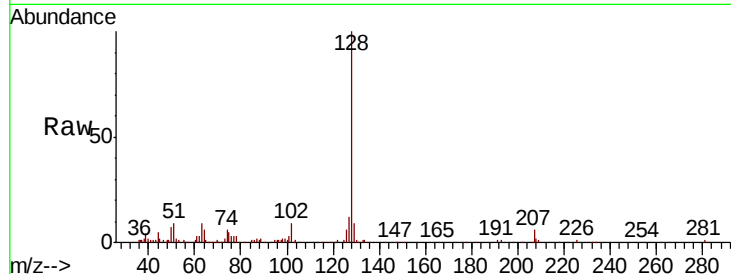




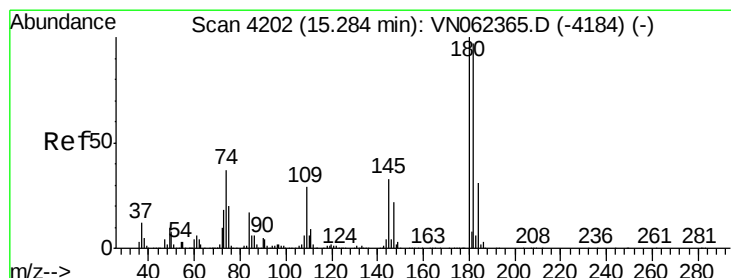
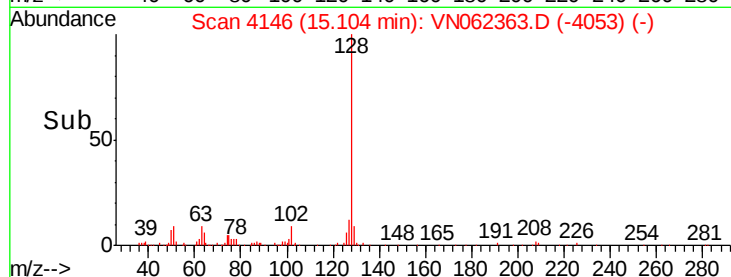
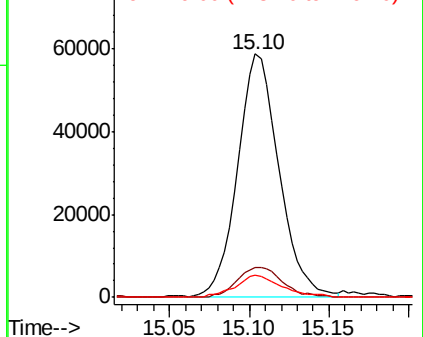
#95
Naphthalene
Concen: 3.662 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 102464
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 10.2 8.6 12.8

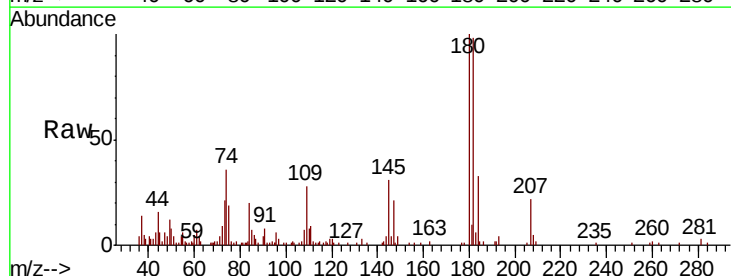


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.057 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN062363.D
Acq: 6 Jul 2020 12:50

Tgt Ion:180 Resp: 40350
Ion Ratio Lower Upper
180 100
182 101.2 47.9 143.7
145 37.7 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

