

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060066.D
 Acq On : 12 Feb 2020 11:19
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:36:56 AM

Quant Time: Feb 12 13:40:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 12:49:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	2107	1.003	ug/l	97
3) Chloromethane	2.04	50	2775	1.090	ug/l	96
4) Vinyl Chloride	2.17	62	3050	1.056	ug/l	100
6) Chloroethane	2.69	64	1608	1.107	ug/l	99
7) Trichlorofluoromethane	3.00	101	4007	1.079	ug/l	99
8) Diethyl Ether	3.38	74	1197	0.987	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2240	1.085	ug/l #	83
12) 1,1-Dichloroethene	3.71	96	2038	1.032	ug/l	84
14) Allyl chloride	4.29	41	3158	1.073	ug/l #	58
15) Acrylonitrile	4.95	53	4037	4.522	ug/l	97
16) Acetone	3.79	43	5526m	5.874	ug/l	
17) Carbon Disulfide	4.03	76	6880	1.144	ug/l #	93
18) Methyl Acetate	4.29	43	1967	0.963	ug/l #	70
19) Methyl tert-butyl Ether	5.00	73	7183	1.080	ug/l	99
20) Methylene Chloride	4.52	84	2430	1.087	ug/l	90
21) trans-1,2-Dichloroethene	5.00	96	2194m	1.134	ug/l	
22) Diisopropyl ether	5.92	45	6679	1.063	ug/l	92
23) Vinyl Acetate	5.86	43	26226	5.033	ug/l	99
24) 1,1-Dichloroethane	5.82	63	4130	1.064	ug/l #	82
25) 2-Butanone	6.80	43	6087	4.498	ug/l	94
26) 2,2-Dichloropropane	6.79	77	3966	1.072	ug/l	82
27) cis-1,2-Dichloroethene	6.79	96	2766m	1.233	ug/l	
28) Bromochloromethane	7.16	49	1446m	1.066	ug/l	
29) Tetrahydrofuran	7.18	42	4063	4.857	ug/l #	87
30) Chloroform	7.34	83	4342	1.067	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	3919	1.057	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	3303	1.090	ug/l	94
37) Ethyl Acetate	6.90	43	2264	0.851	ug/l #	77
38) Carbon Tetrachloride	7.74	117	3542	1.077	ug/l	96
39) Methylcyclohexane	9.07	83	4080	1.087	ug/l	98
40) Benzene	8.02	78	10016	1.106	ug/l	97
41) Methacrylonitrile	7.15	41	1060	0.607	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	3263	1.040	ug/l #	75
43) Isopropyl Acetate	8.15	43	4463	0.977	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	2722	1.083	ug/l	99
45) 1,2-Dichloropropane	9.10	63	2253	1.014	ug/l	93
46) Dibromomethane	9.19	93	1572	1.007	ug/l	98
47) Bromodichloromethane	9.38	83	3296	1.040	ug/l #	91
48) Methyl methacrylate	9.19	41	2152	1.063	ug/l	88
49) 1,4-Dioxane	9.18	88	564	16.600	ug/l #	74
51) 4-Methyl-2-Pentanone	9.97	43	12622	4.807	ug/l	97
52) Toluene	10.14	92	6109	1.069	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	3457	0.986	ug/l #	85
54) cis-1,3-Dichloropropene	9.82	75	3818	1.019	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	2392	1.065	ug/l #	89
56) Ethyl methacrylate	10.42	69	2846	0.953	ug/l	96
57) 1,3-Dichloropropane	10.70	76	4016	1.082	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.68	63	6034	4.284	ug/l	100
59) 2-Hexanone	10.74	43	9292	4.639	ug/l	92
60) Dibromochloromethane	10.89	129	2568	1.022	ug/l	98
61) 1,2-Dibromoethane	11.00	107	2344	1.015	ug/l	97
64) Tetrachloroethene	10.62	164	2632	1.151	ug/l	94
65) Chlorobenzene	11.43	112	6504	1.090	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	2290	1.025	ug/l #	62
67) Ethyl Benzene	11.50	91	11780	1.097	ug/l	100
68) m/p-Xylenes	11.62	106	8532	2.136	ug/l	95
69) o-Xylene	11.94	106	4040	1.052	ug/l	93
70) Styrene	11.96	104	5868	0.985	ug/l	96
71) Bromoform	12.12	173	1688	0.984	ug/l #	90
73) Isopropylbenzene	12.25	105	11175	1.165	ug/l	95
74) N-amyl acetate	12.07	43	3396	1.038	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	2886	1.063	ug/l #	90
76) 1,2,3-Trichloropropane	12.55	75	2322m	0.681	ug/l	
77) Bromobenzene	12.53	156	2579	1.093	ug/l	93
78) n-propylbenzene	12.59	91	12721	1.169	ug/l	94
79) 2-Chlorotoluene	12.67	91	7549	1.176	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	8893	1.124	ug/l	98
82) 4-Chlorotoluene	12.77	91	7436	1.144	ug/l	98
83) tert-Butylbenzene	12.99	119	8567	1.204	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	8261	1.068	ug/l	88
85) sec-Butylbenzene	13.17	105	10753	1.155	ug/l	98
86) p-Isopropyltoluene	13.29	119	9333	1.119	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	4491	1.089	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4669m	1.142	ug/l	
89) n-Butylbenzene	13.61	91	7913	1.096	ug/l	97
90) Hexachloroethane	13.87	117	1701	1.097	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	4625	1.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	854	1.315	ug/l #	56
93) 1,2,4-Trichlorobenzene	14.91	180	2230	0.980	ug/l	98
94) Hexachlorobutadiene	15.01	225	1668	1.162	ug/l	88
95) Naphthalene	15.13	128	5306	0.883	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	2373	1.030	ug/l	98

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MSVOA_N
ClientSampleId :
VSTDICC001

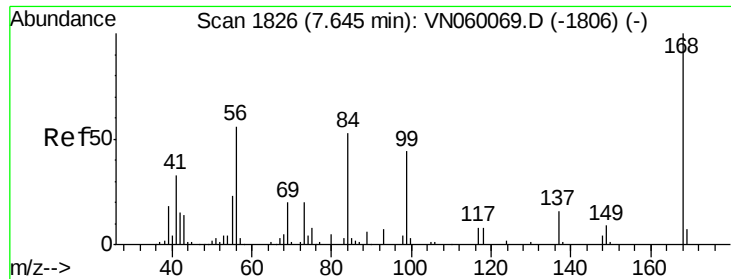
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 210512

Ion Ratio Lower Upper

168 100

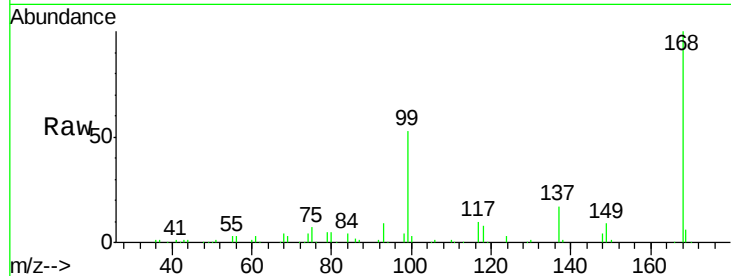
99 53.2 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

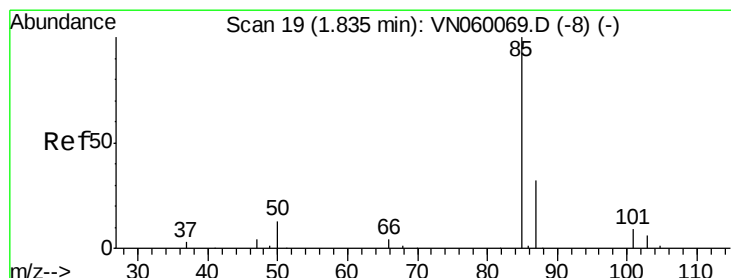
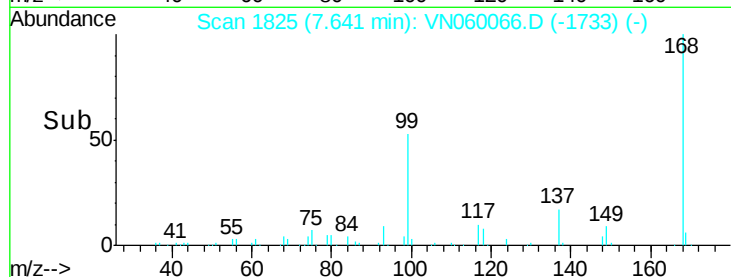
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.003 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060066.D

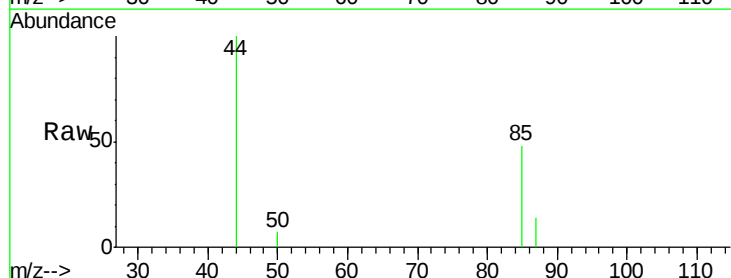
Acq: 12 Feb 2020 11:19

Tgt Ion: 85 Resp: 2107

Ion Ratio Lower Upper

85 100

87 30.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

1500

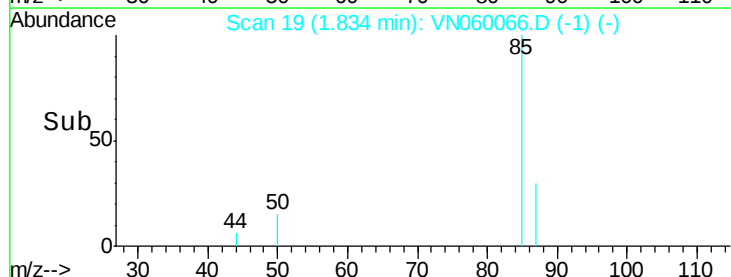
1000

500

0

1.80 1.82 1.84 1.86 1.88

Time-->





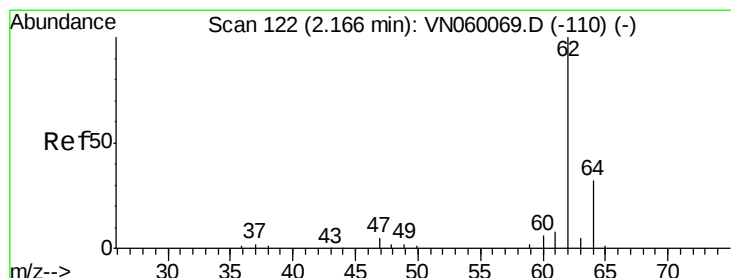
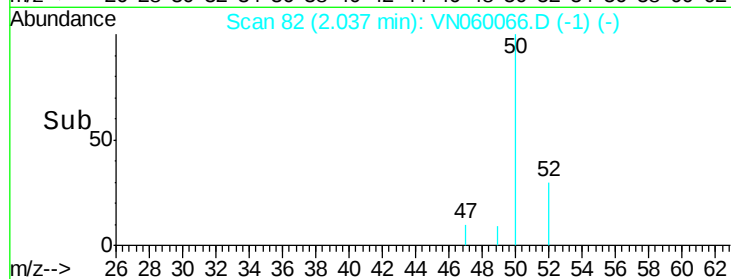
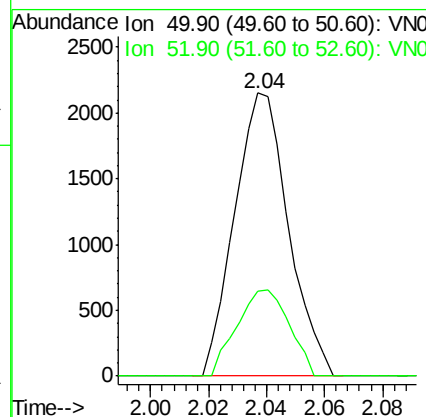
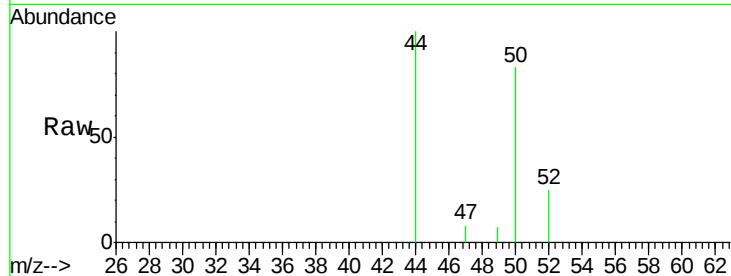
#3
 Chloromethane
 Concen: 1.090 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
50	100		
52	30.0	25.6	38.4

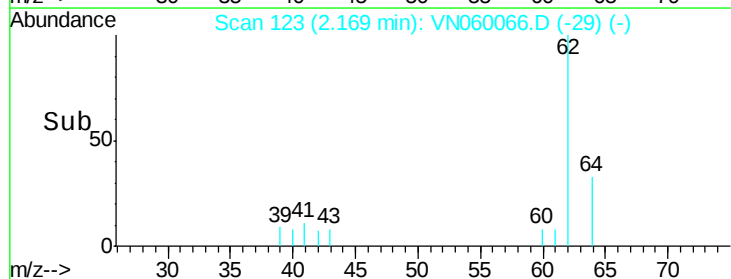
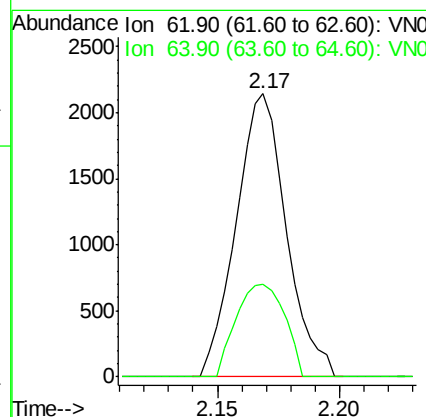
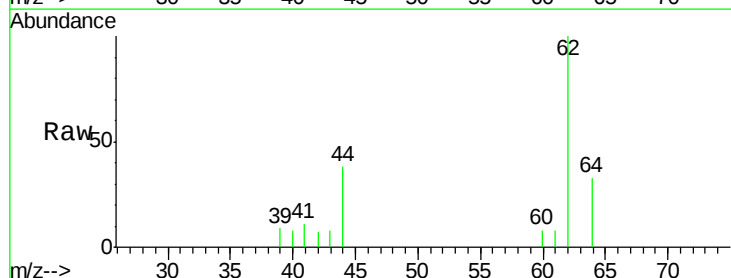
Manual Integrations
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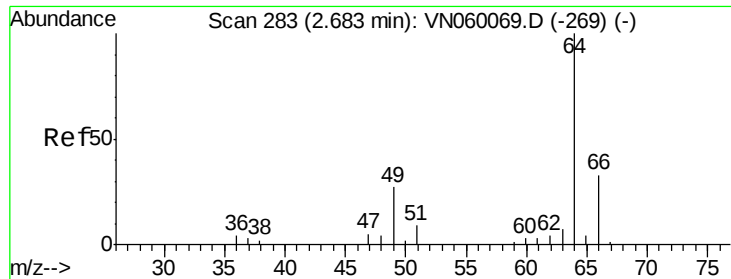
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#4
 Vinyl Chloride
 Concen: 1.056 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.9	38.9





#6

Chloroethane

Concen: 1.107 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 1608

Ion Ratio Lower Upper

64 100

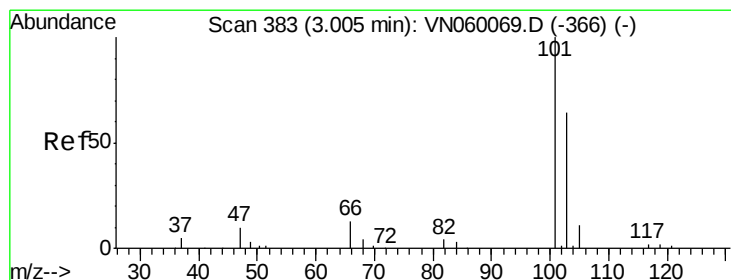
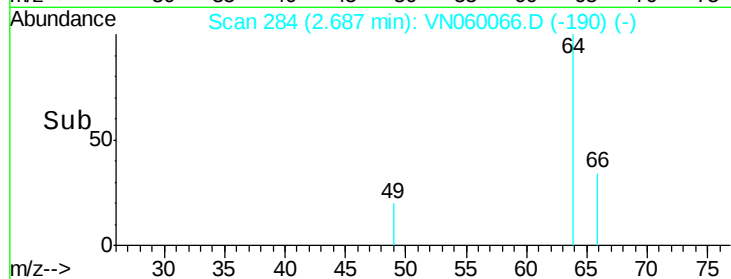
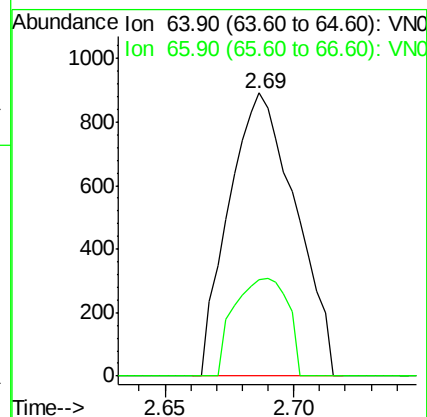
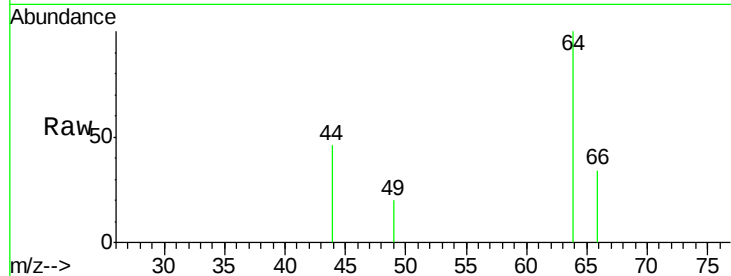
66 33.9 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:36:56 AM



#7

Trichlorofluoromethane

Concen: 1.079 ug/l

RT: 3.00 min Scan# 382

Delta R.T. -0.00 min

Lab File: VN060066.D

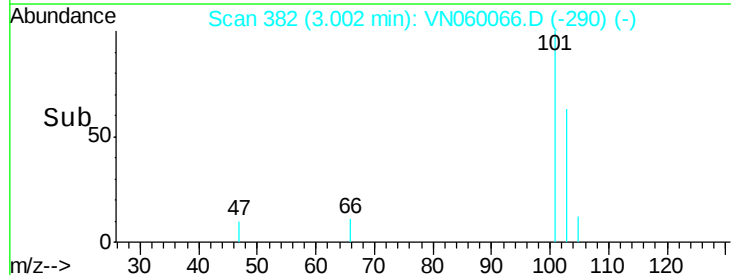
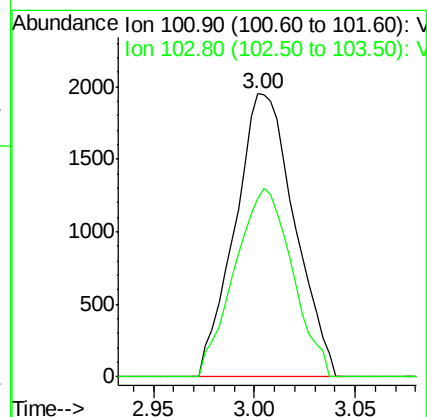
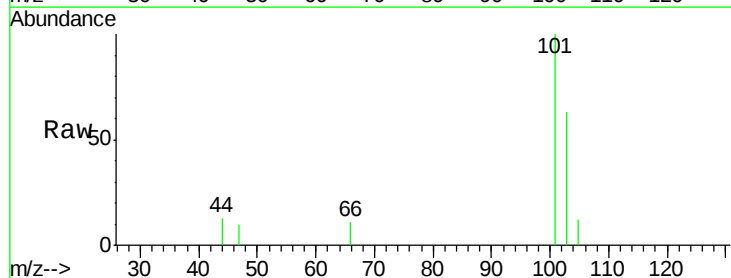
Acq: 12 Feb 2020 11:19

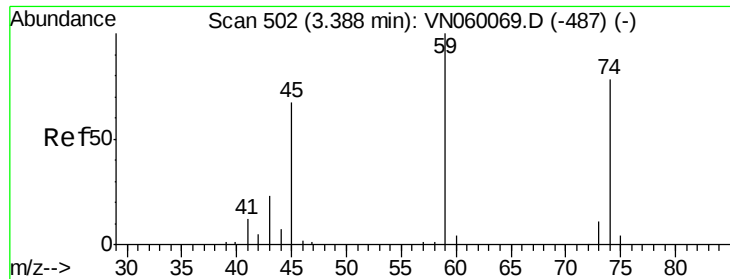
Tgt Ion: 101 Resp: 4007

Ion Ratio Lower Upper

101 100

103 63.1 51.0 76.6





#8

Diethyl Ether

Concen: 0.987 ug/l

RT: 3.38 min Scan# 501

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 74 Resp: 1197

Ion Ratio Lower Upper

74 100

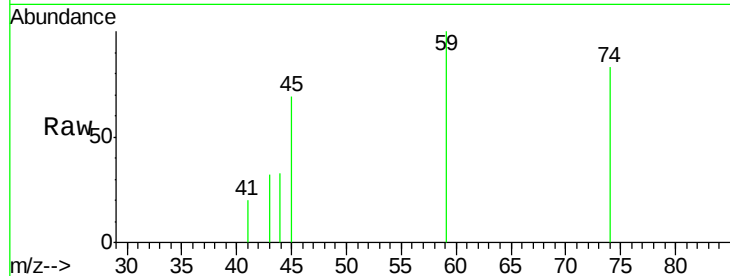
45 93.4 44.7 134.1

Manual Integrations

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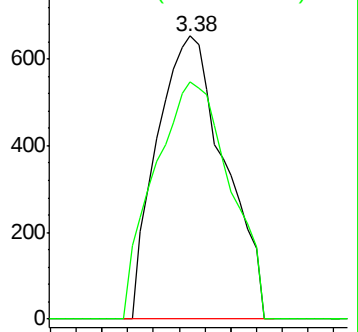
MMDadoda

2/13/2020 10:36:56 AM

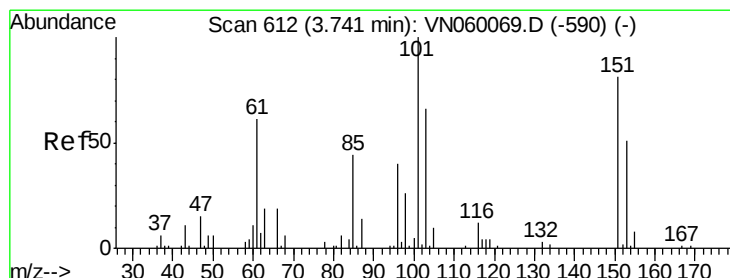
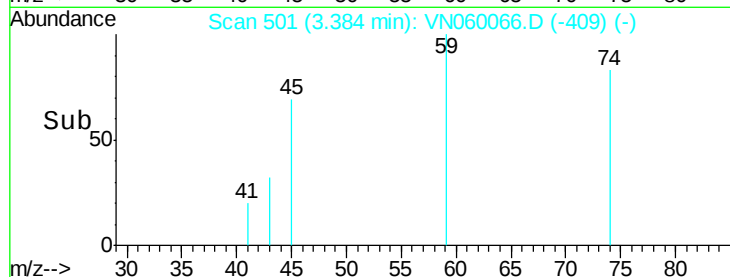


Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.085 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

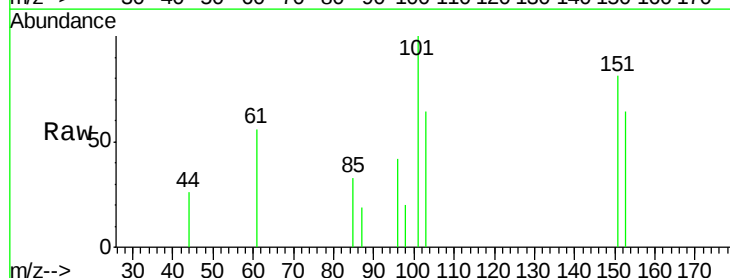
Tgt Ion: 101 Resp: 2240

Ion Ratio Lower Upper

101 100

85 15.5 35.1 52.7#

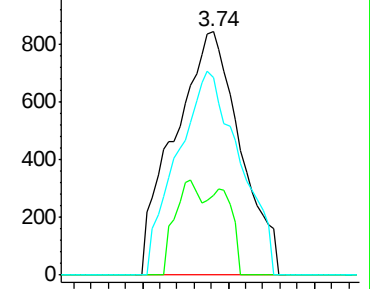
151 79.7 65.8 98.6



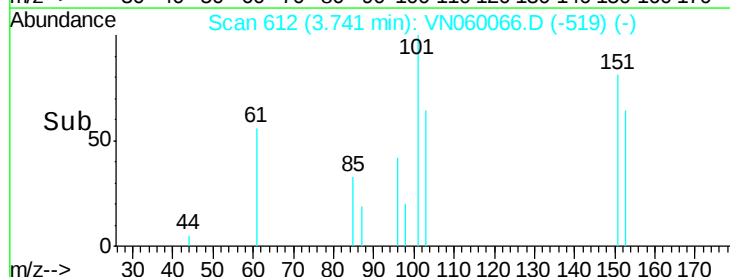
Abundance Ion 100.90 (100.60 to 101.60): V

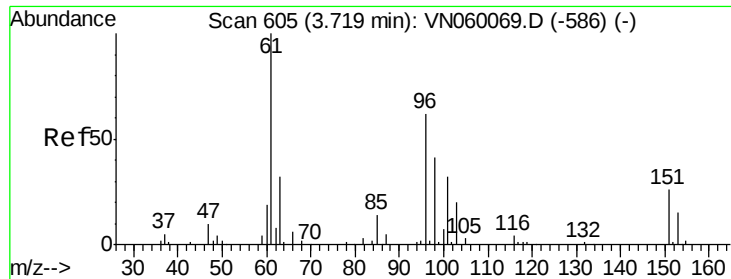
Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



Time-->





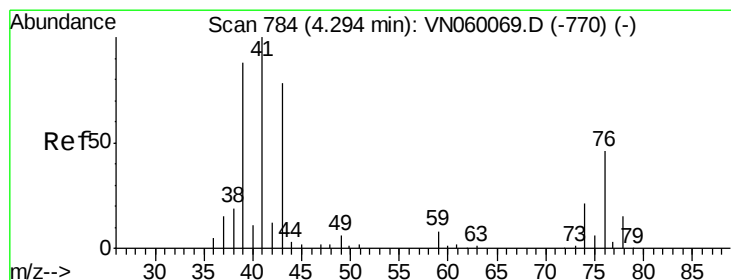
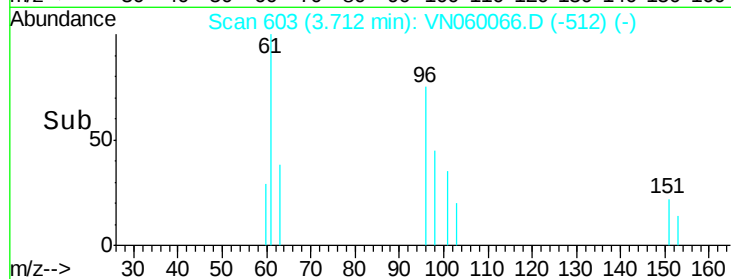
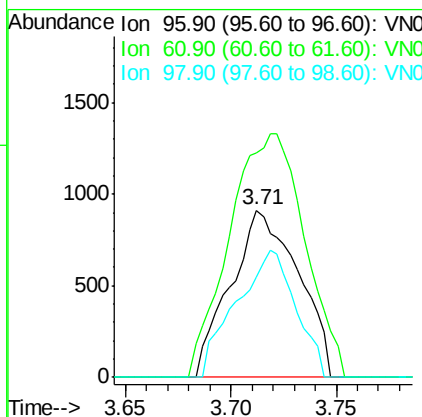
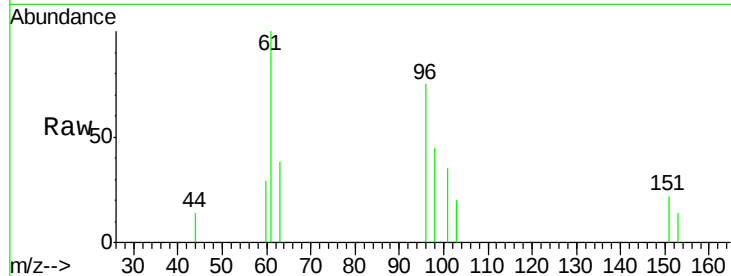
#12
1,1-Dichloroethene
Concen: 1.032 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.8	128.3	192.5
98	60.1	52.2	78.4

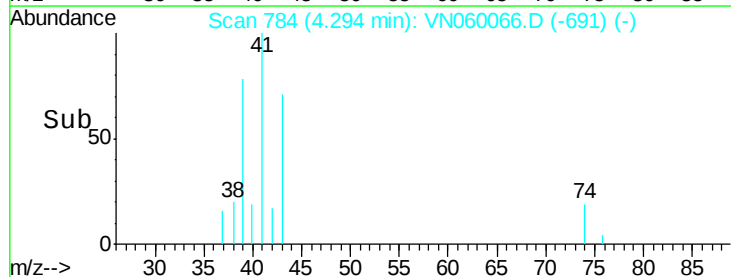
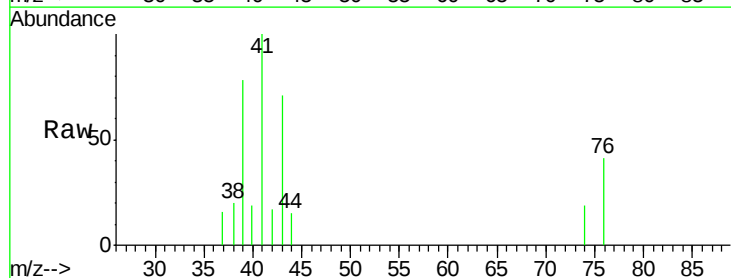
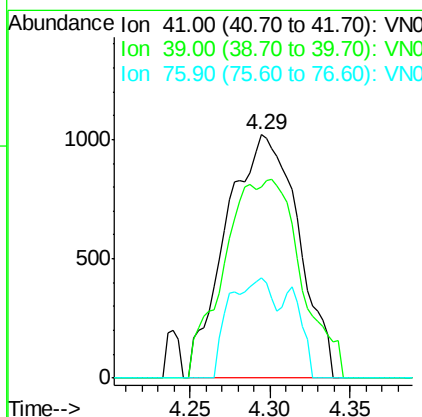
Manual Integrations
APPROVED

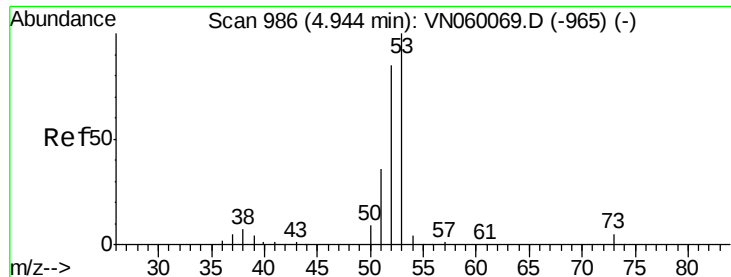
MMDadoda
2/13/2020 10:36:56 AM



#14
Allyl chloride
Concen: 1.073 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	39.3	67.8	101.8#
76	25.0	33.9	50.9#





#15

Acrylonitrile

Concen: 4.522 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

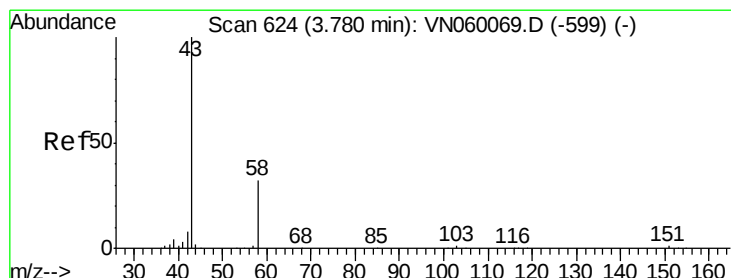
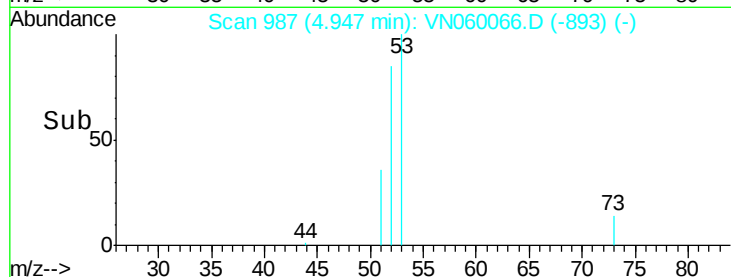
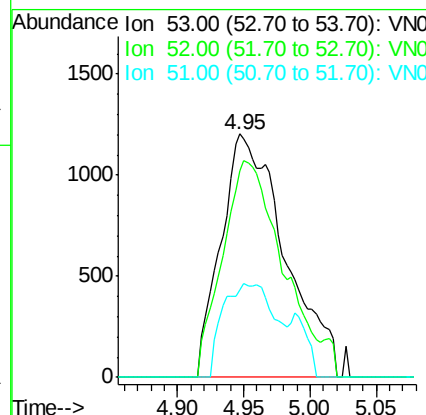
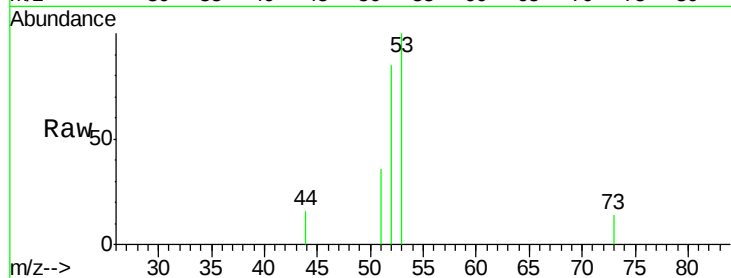
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	4037
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.8	100.2
51	31.2	29.4	44.0

Manual Integrations
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MMDadoda
2/13/2020 10:36:56 AM



#16

Acetone

Concen: 5.874 ug/l m

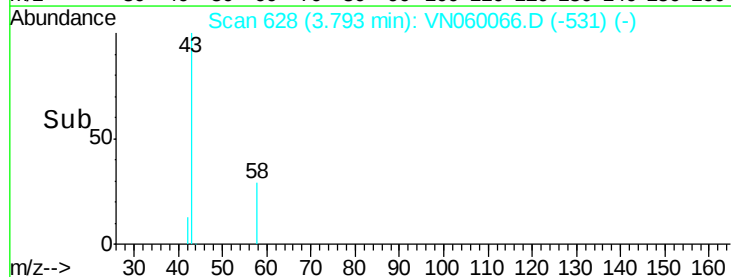
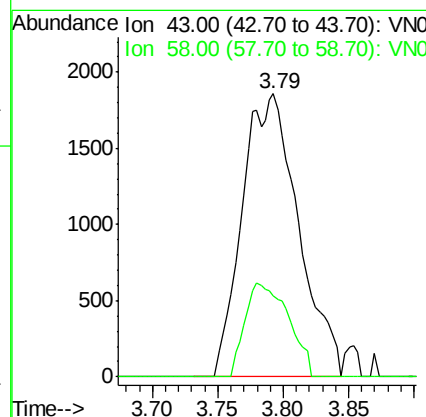
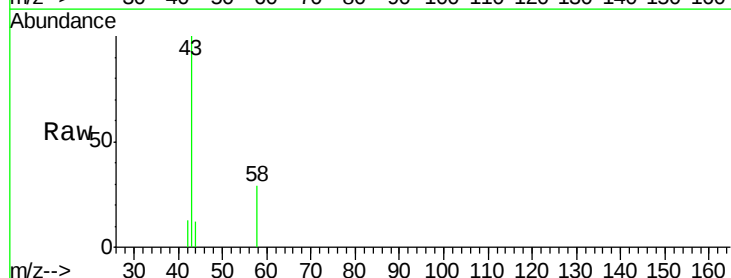
RT: 3.79 min Scan# 628

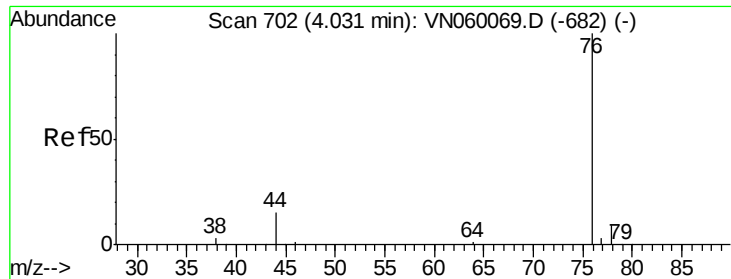
Delta R.T. 0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion:	43	Resp:	5526
Ion	Ratio	Lower	Upper
43	100		
58	28.8	25.2	37.8





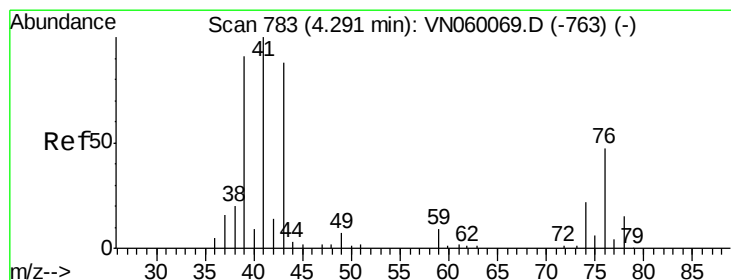
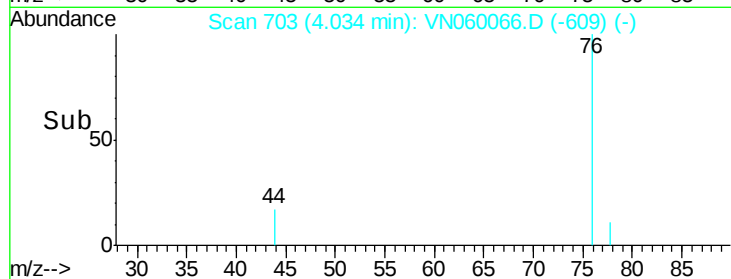
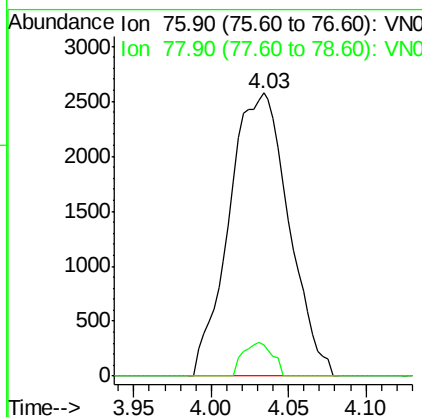
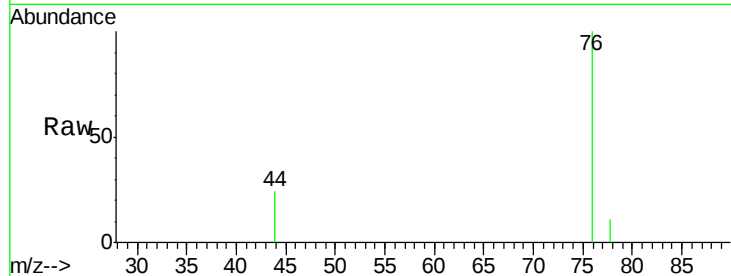
#17
Carbon Disulfide
Concen: 1.144 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 6880
Ion Ratio Lower Upper
76 100
78 11.3 7.0 10.6#

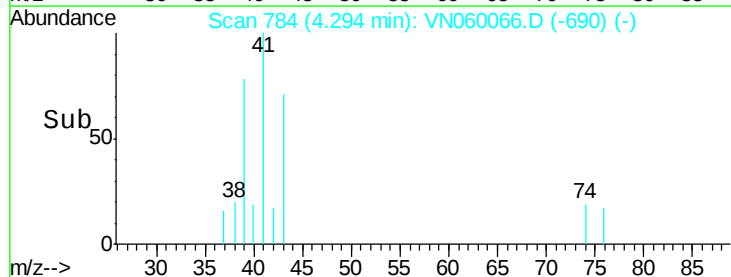
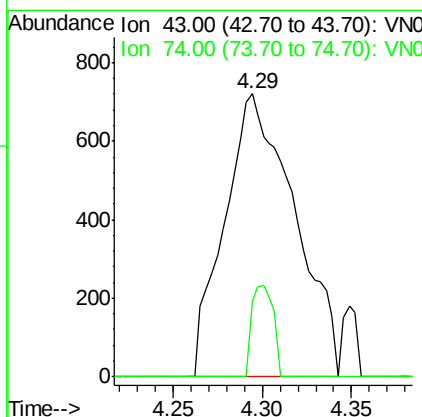
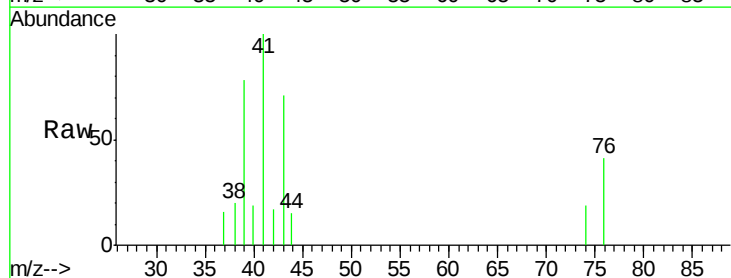
Manual Integrations
APPROVED

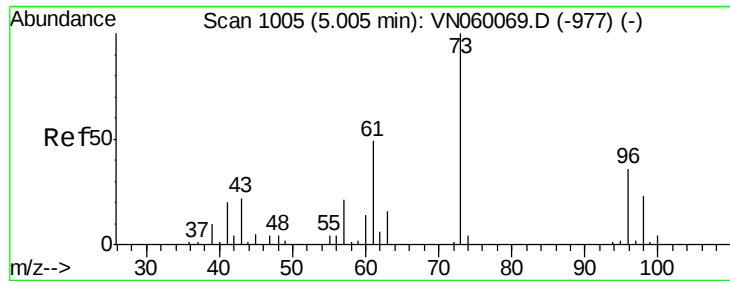
MMDadoda
2/13/2020 10:36:56 AM



#18
Methyl Acetate
Concen: 0.963 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
74 10.1 20.3 30.5#





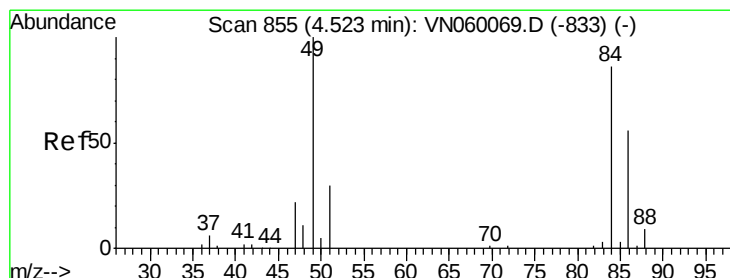
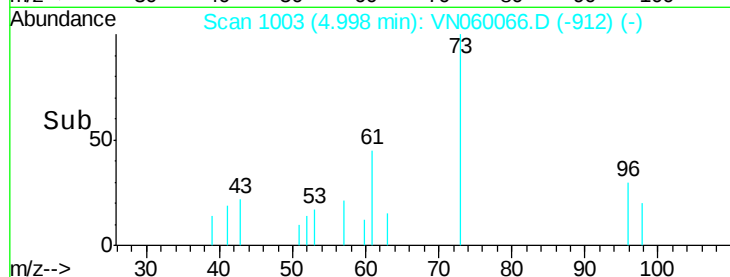
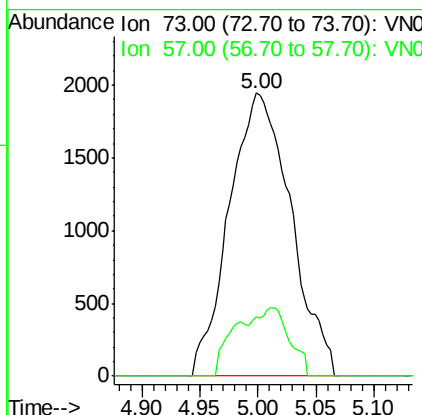
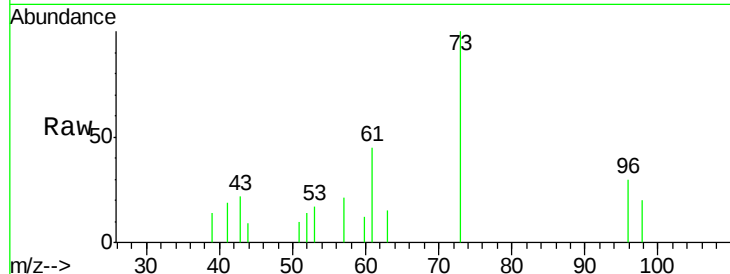
#19
Methvl tert-butvl Ether
Concen: 1.080 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 73 Resp: 7183
Ion Ratio Lower Upper
73 100
57 20.9 17.2 25.8

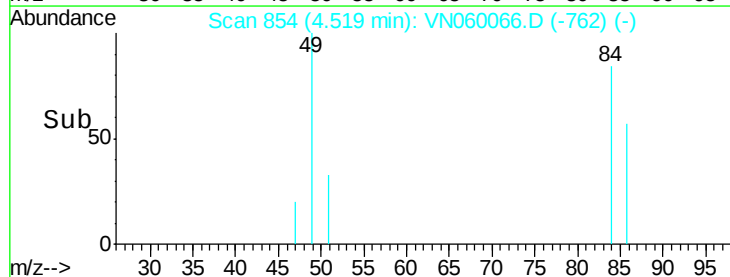
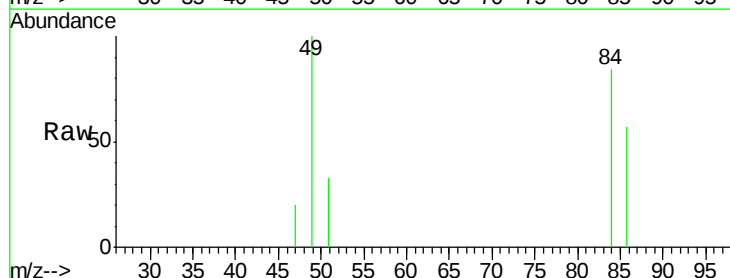
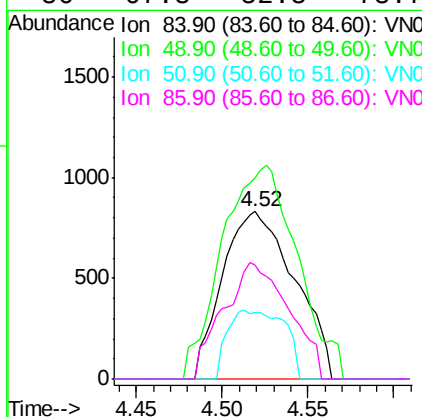
Manual Integrations
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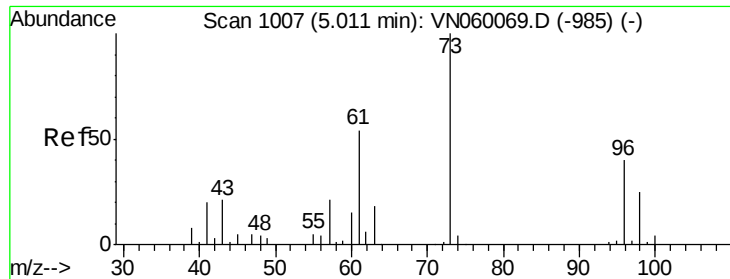
MMDadoda
2/13/2020 10:36:56 AM



#20
Methylene Chloride
Concen: 1.087 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 84 Resp: 2430
Ion Ratio Lower Upper
84 100
49 100.7 93.4 140.0
51 39.4 28.4 42.6
86 67.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 1.134 ug/l m

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060066.D

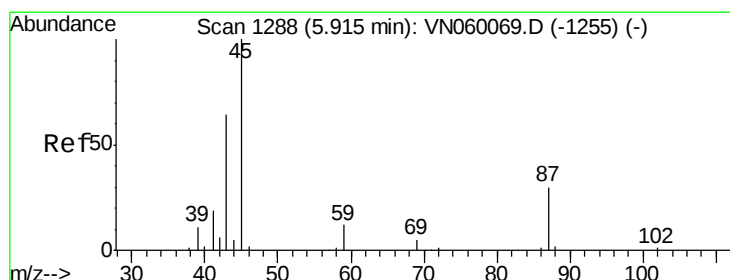
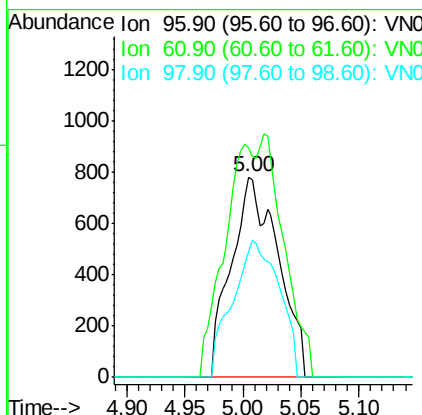
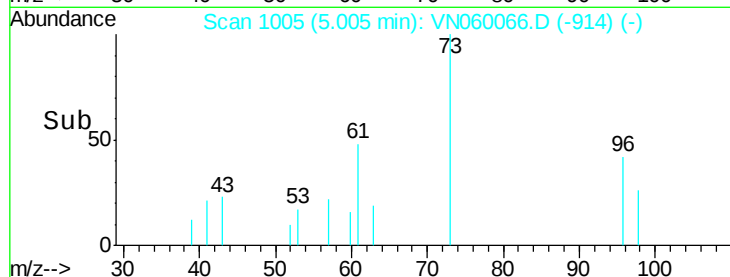
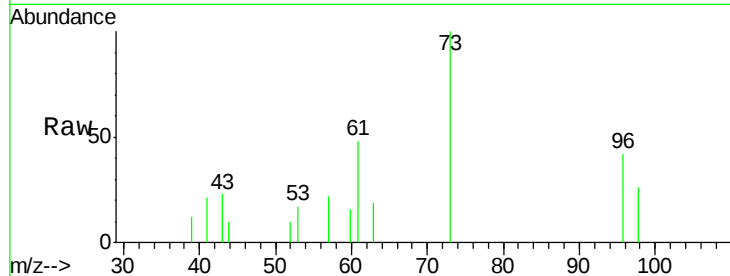
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.3	109.3	163.9
98	63.1	51.0	76.6

Manual Integrations
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2/13/2020 10:36:56 AM



#22

Diisopropyl ether

Concen: 1.063 ug/l

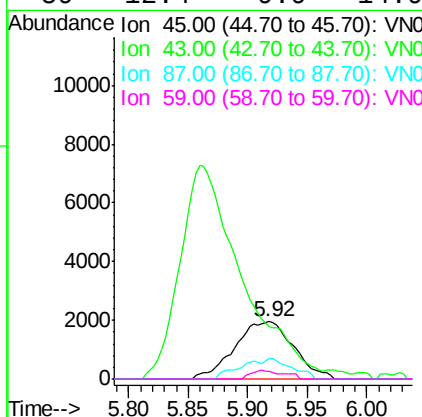
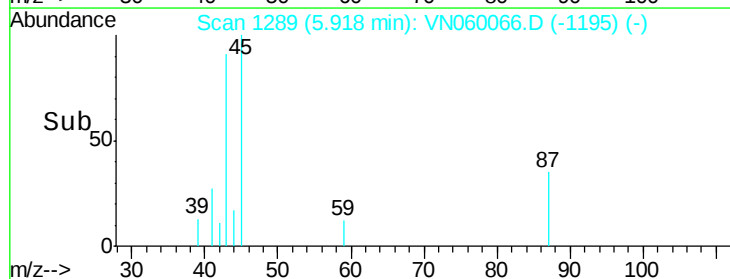
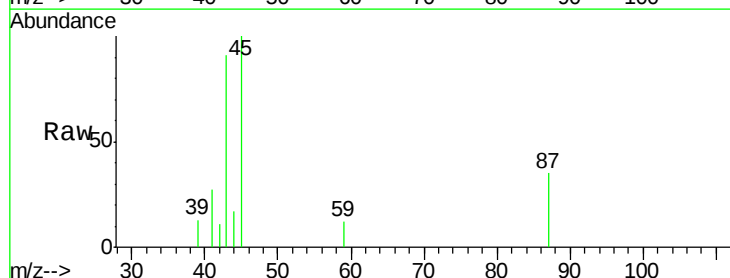
RT: 5.92 min Scan# 1289

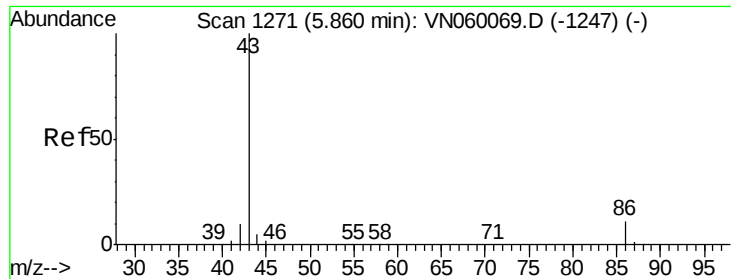
Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.7	55.9	83.9
87	34.7	24.5	36.7
59	12.4	9.9	14.9





#23

Vinyl Acetate

Concen: 5.033 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 26226

Ion Ratio Lower Upper

43 100

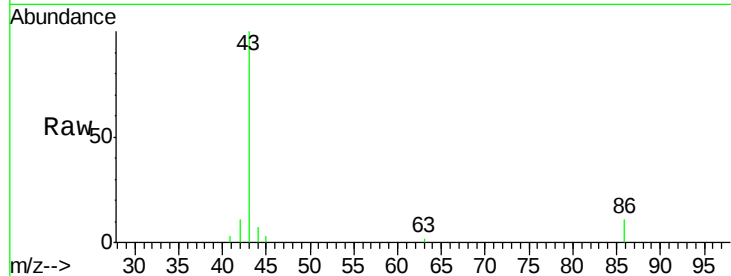
86 11.4 8.9 13.3

Manual Integrations

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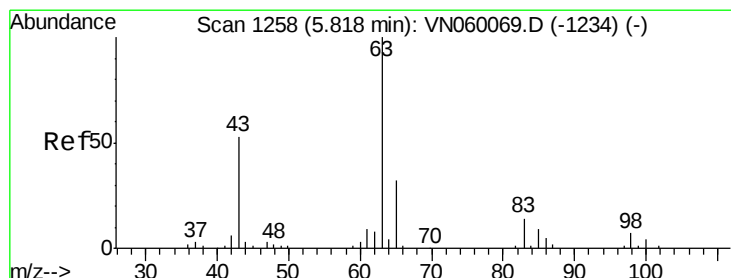
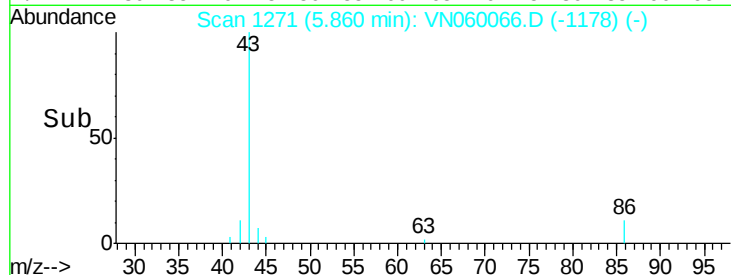
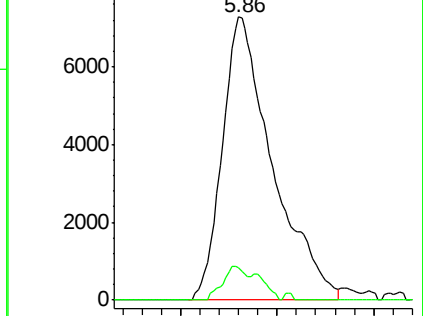
MMDadoda

2/13/2020 10:36:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 1.064 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

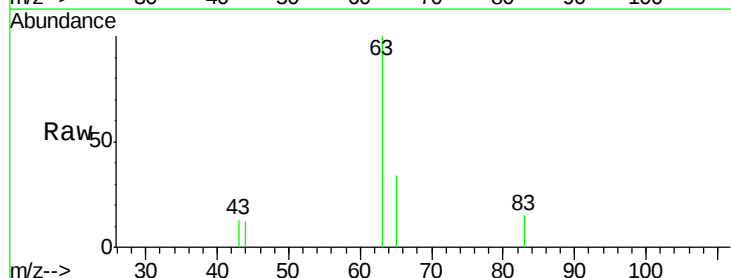
Tgt Ion: 63 Resp: 4130

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

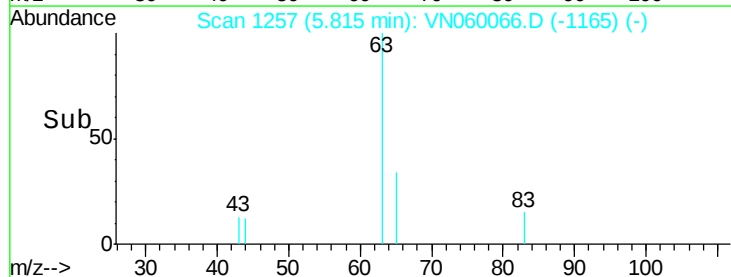
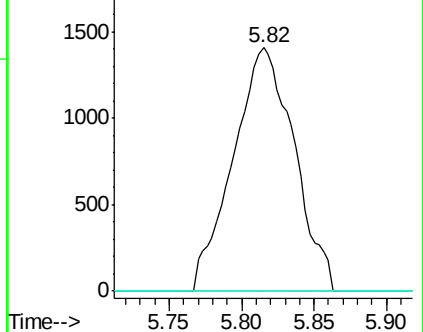
100 0.0 2.2 6.6#

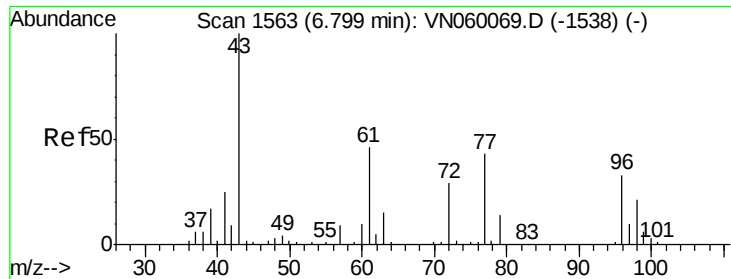


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 4.498 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 6087

Ion Ratio Lower Upper

43 100

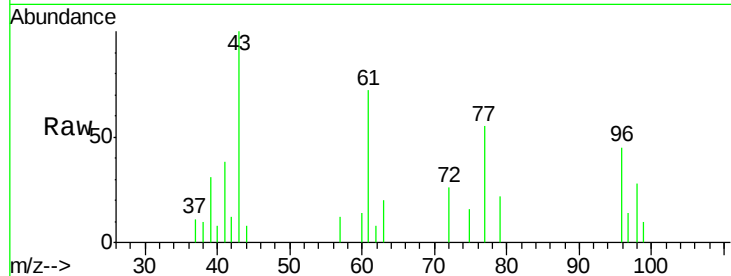
72 26.1 23.3 34.9

Manual Integrations

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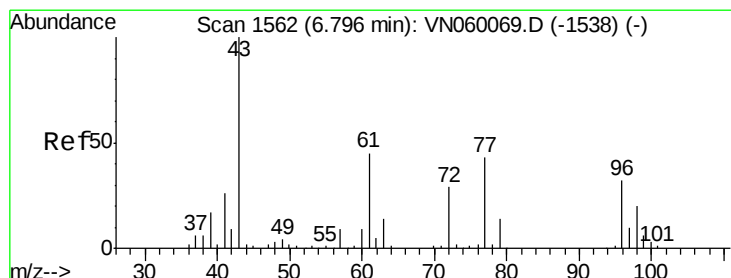
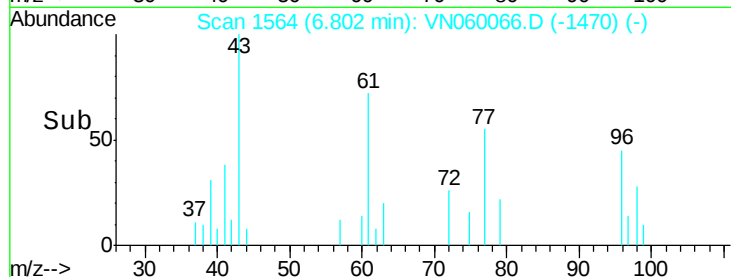
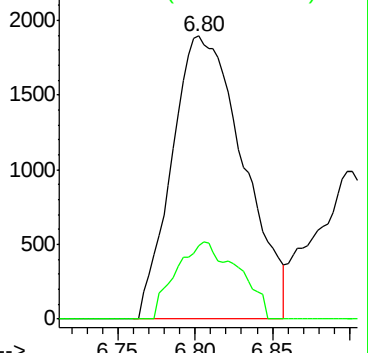
MMDadoda

2/13/2020 10:36:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 1.072 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060066.D

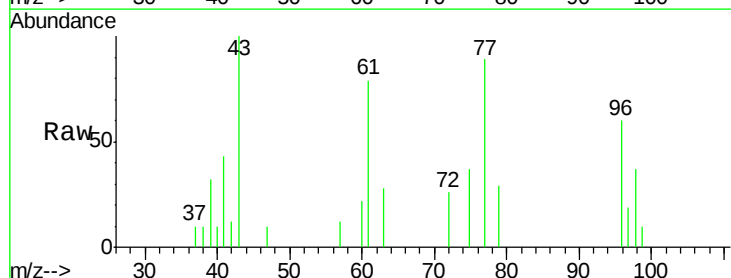
Acq: 12 Feb 2020 11:19

Tgt Ion: 77 Resp: 3966

Ion Ratio Lower Upper

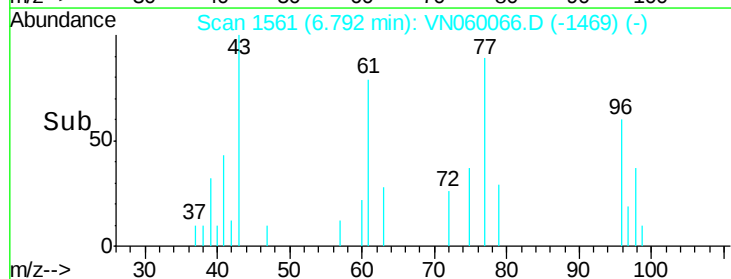
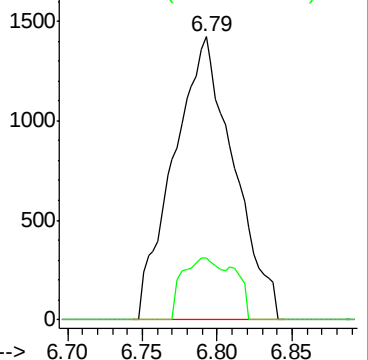
77 100

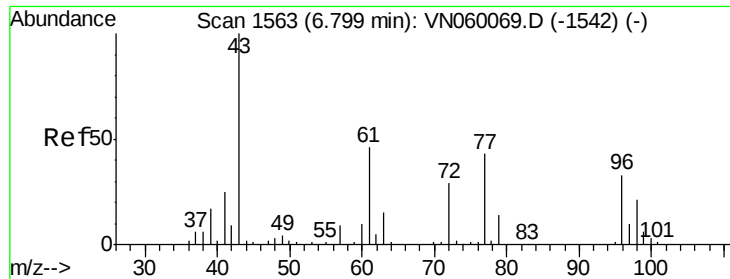
97 14.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 1.233 ug/l m

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

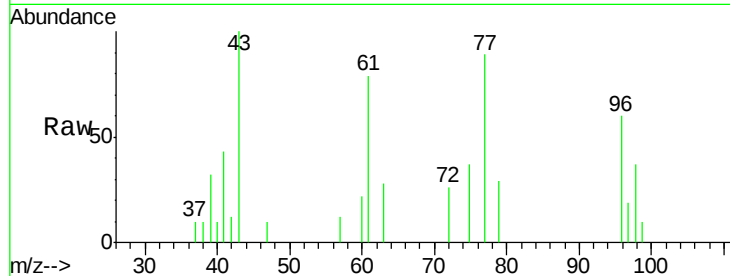
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	2766
Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	285.8
98	32.9	0.0	129.6

Manual Integrations
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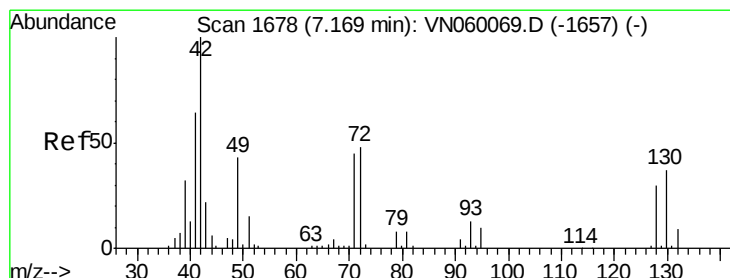
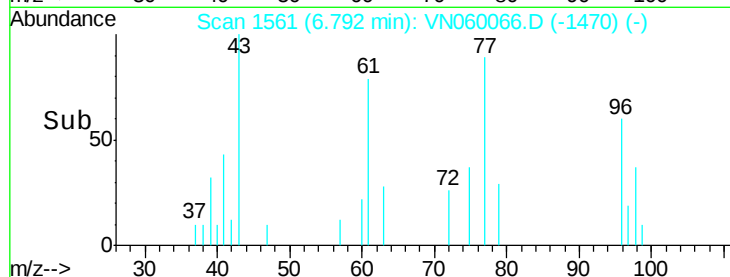
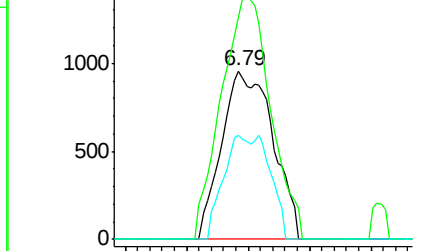
MMDadoda
2/13/2020 10:36:56 AM



Abundance Ion 95.90 (95.60 to 96.60): VN060069.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN060069.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1542) (-)



#28

Bromochloromethane

Concen: 1.066 ug/l m

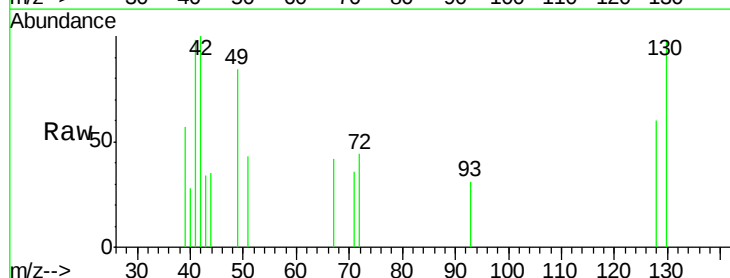
RT: 7.16 min Scan# 1675

Delta R.T. -0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

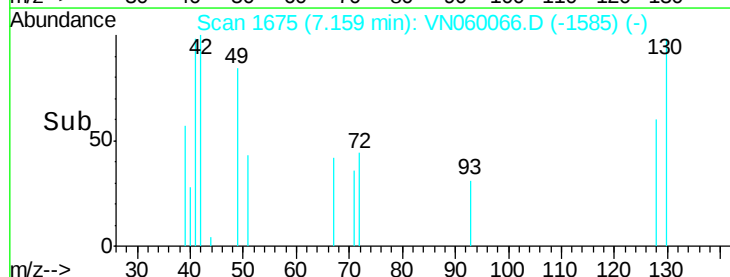
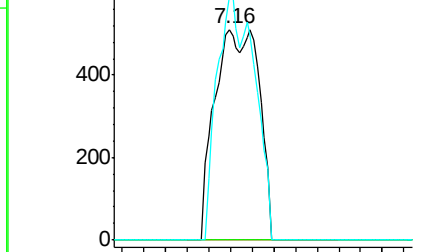
Tgt Ion:	49	Resp:	1446
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	58.6	66.8	100.2#

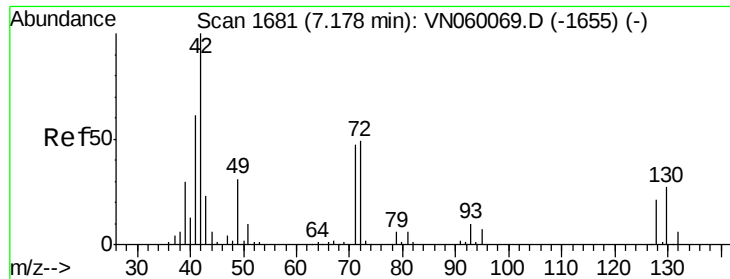


Abundance Ion 48.90 (48.60 to 49.60): VN060069.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN060069.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN060069.D (-1657) (-)





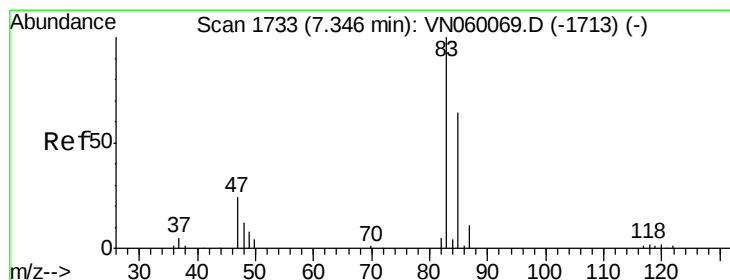
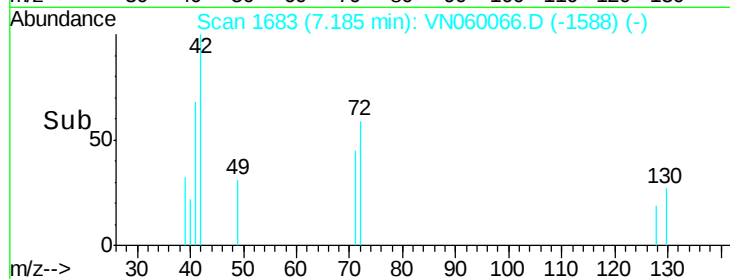
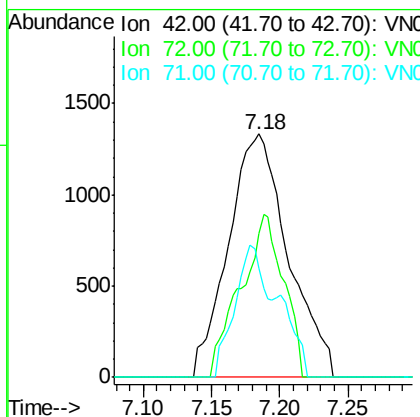
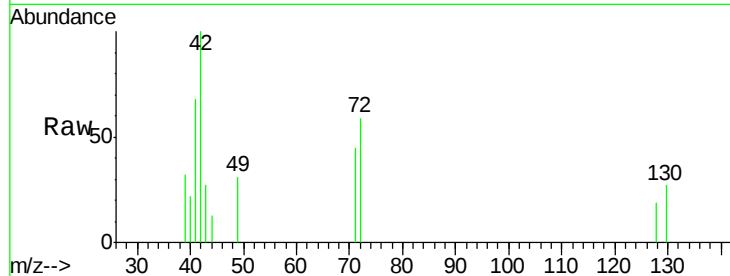
#29
Tetrahydrofuran
Concen: 4.857 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.4
71	28.5	36.6	54.8#

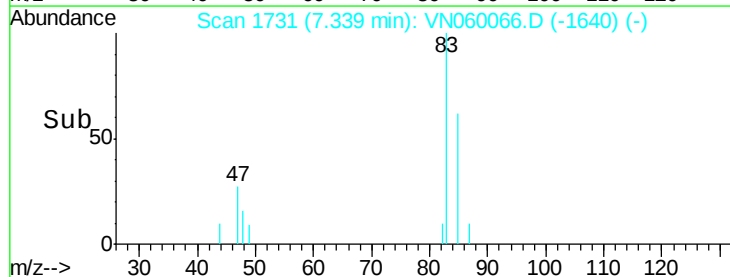
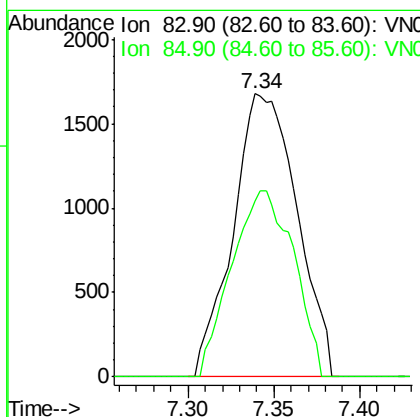
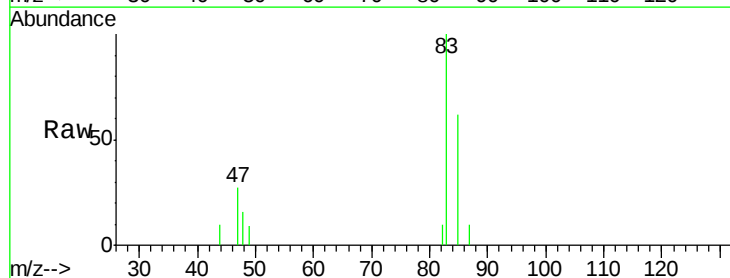
Manual Integrations
APPROVED

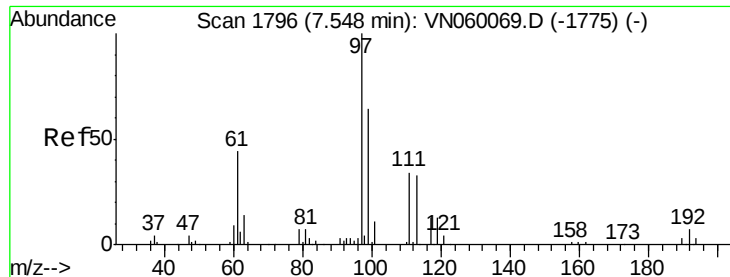
MMDadoda
2/13/2020 10:36:56 AM



#30
Chloroform
Concen: 1.067 ug/l
RT: 7.34 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.4	77.0





#32

1,1,1-Trichloroethane

Concen: 1.057 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

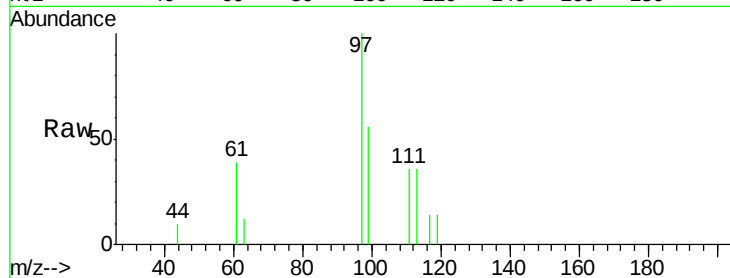
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	3919
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	44.5	34.9	52.3

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:36:56 AM

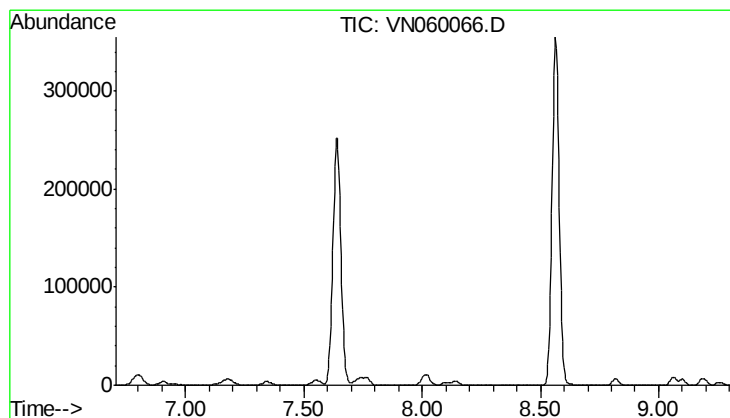
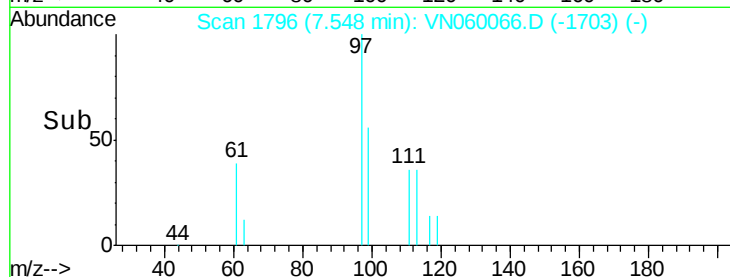
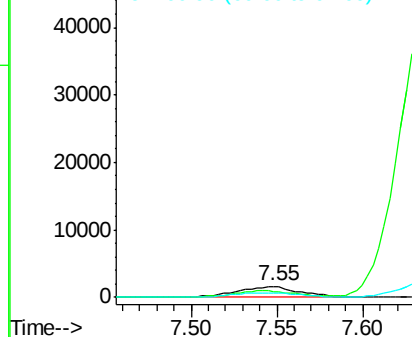


Abundance

Ion 96.90 (96.60 to 97.60): VN060066.D

Ion 98.90 (98.60 to 99.60): VN060066.D

Ion 60.90 (60.60 to 61.60): VN060066.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.00 min

Lab File: VN060066.D

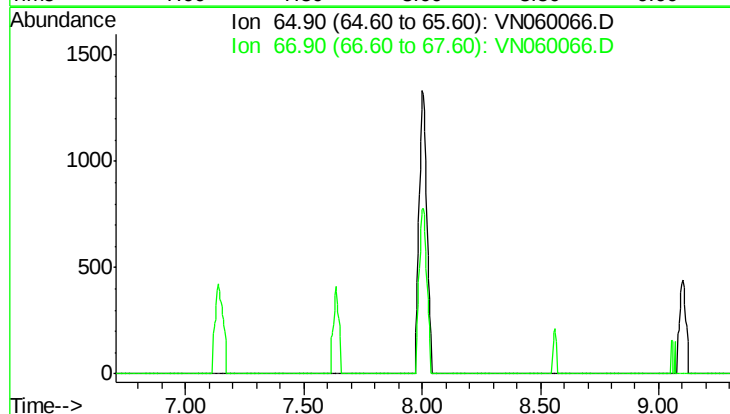
Acq: 12 Feb 2020 11:19

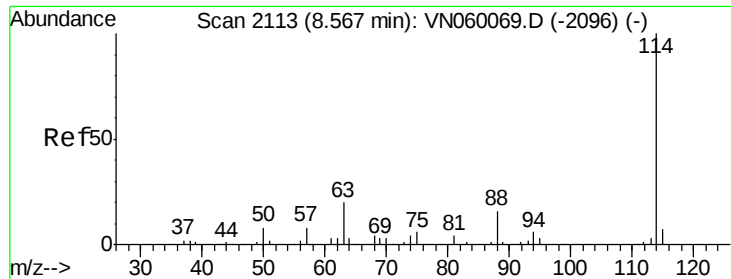
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.0





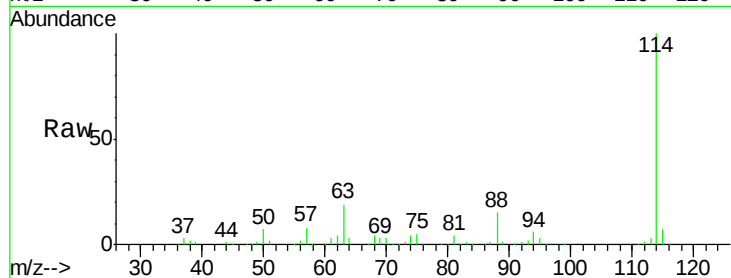
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.0	0.0	40.0
88	15.0	0.0	31.6

Manual Integrations
 APPROVED

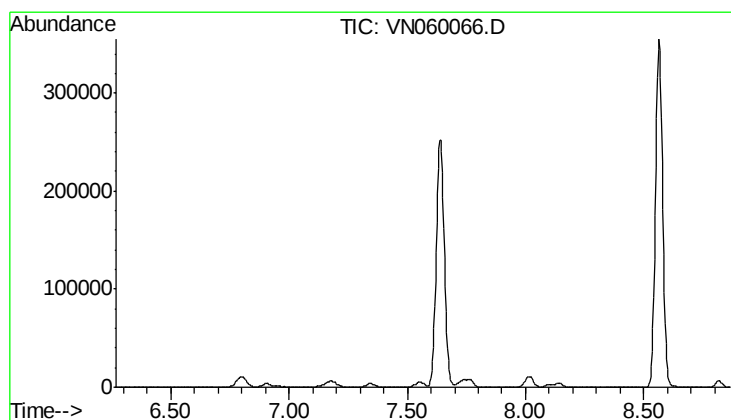
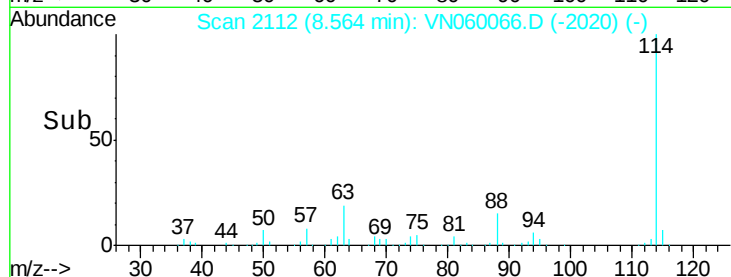
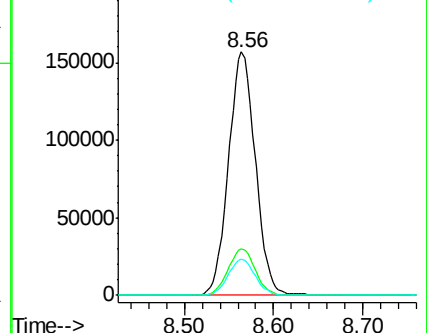
MMDadoda
 2/13/2020 10:36:56 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

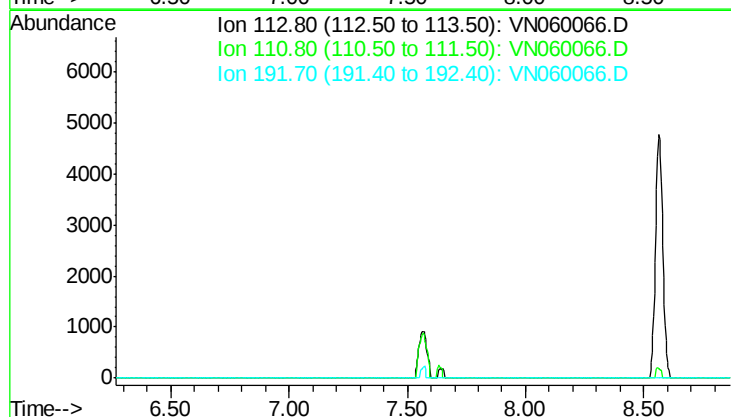
Ion 87.90 (87.60 to 88.60): VN

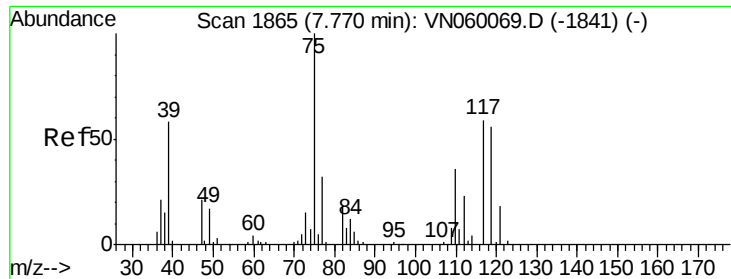


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.57 min

Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion	Exp Ratio
113	100
111	101.8
192	20.2





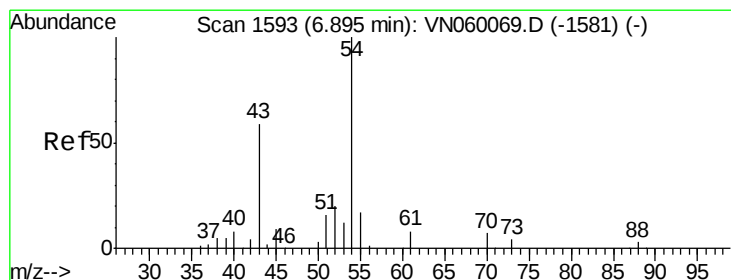
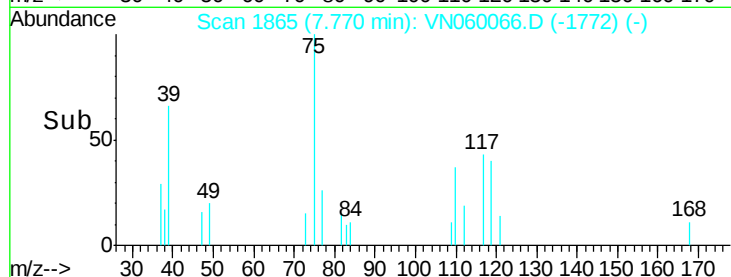
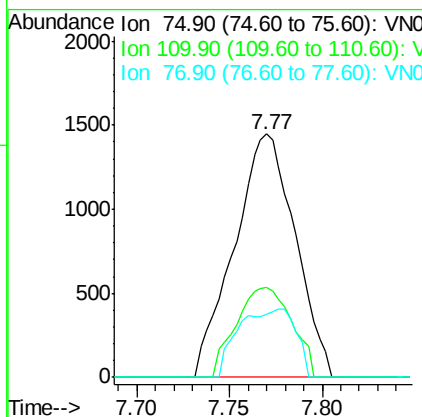
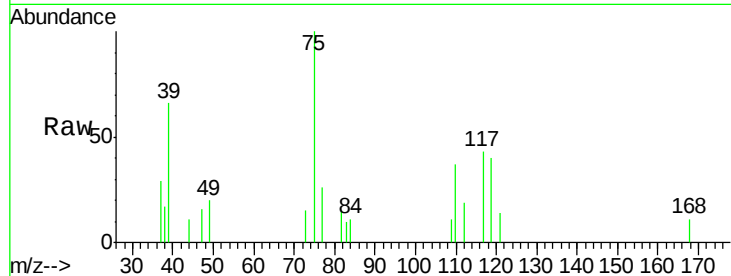
#36
 1,1-Dichloropropene
 Concen: 1.090 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.8	18.1	54.3
77	26.2	25.1	37.7

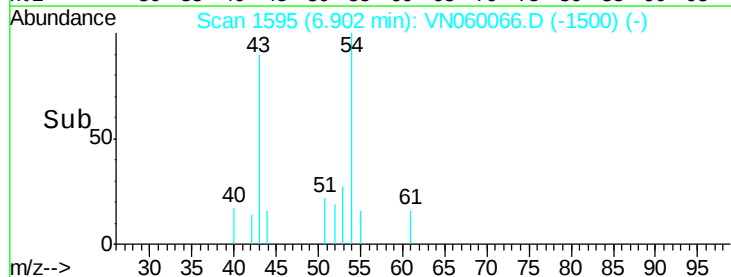
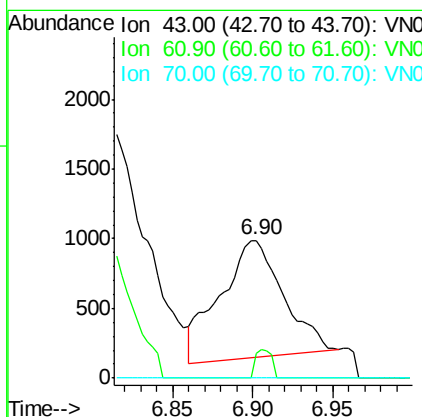
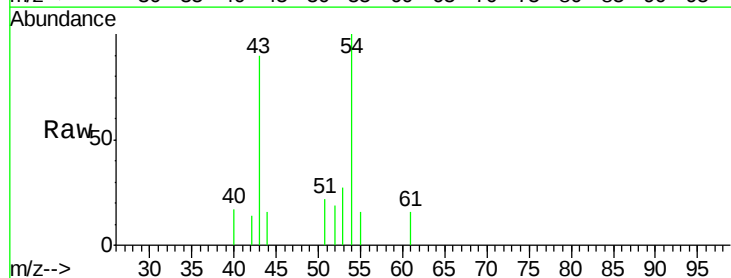
Manual Integrations
 APPROVED

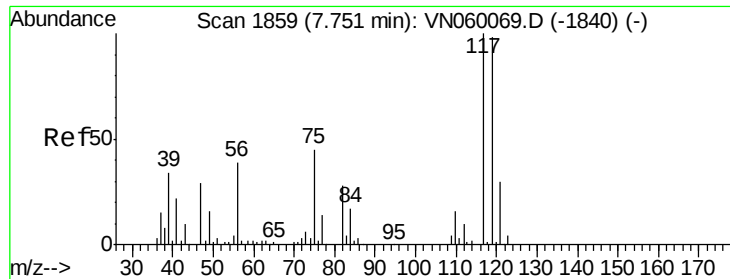
MMDadoda
 2/13/2020 10:36:56 AM



#37
 Ethyl Acetate
 Concen: 0.851 ug/l
 RT: 6.90 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	6.4	11.4	17.2#
70	0.0	8.7	13.1#





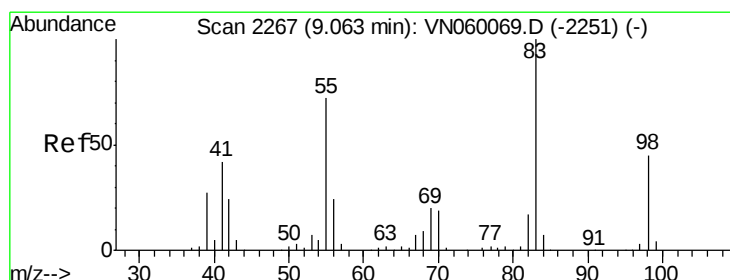
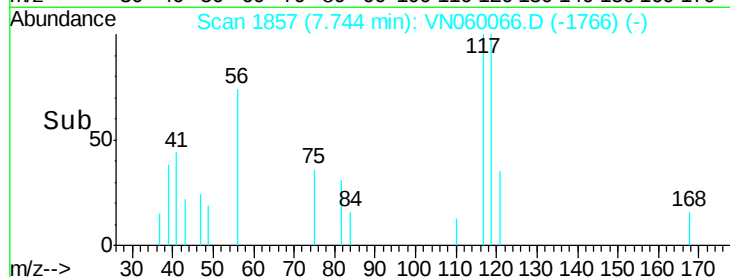
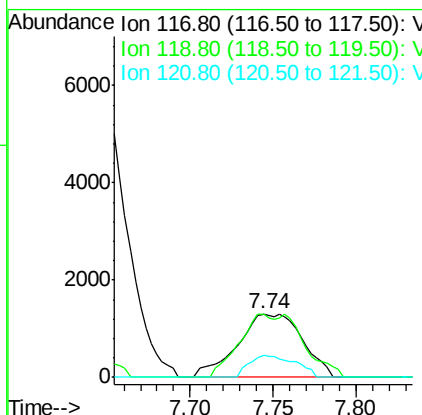
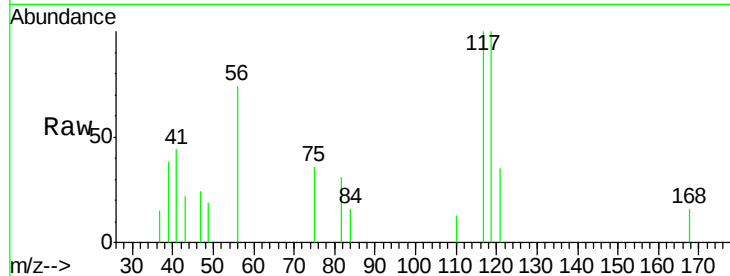
#38
Carbon Tetrachloride
Concen: 1.077 ug/l
RT: 7.74 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.2	78.2	117.4
121	34.7	24.2	36.2

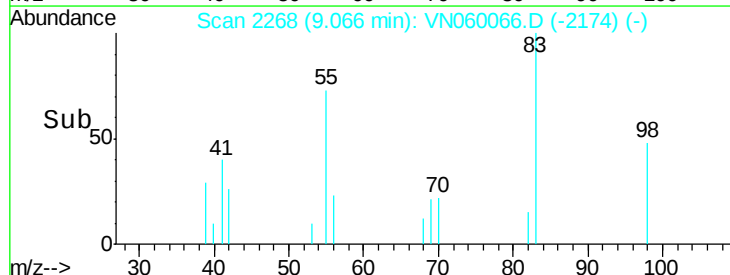
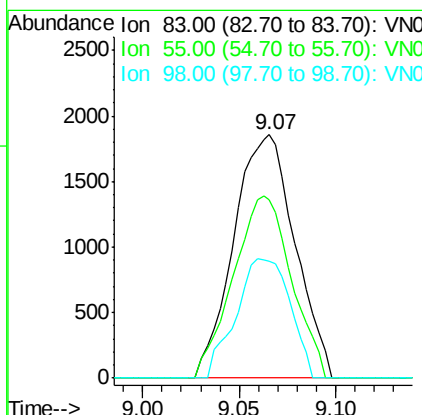
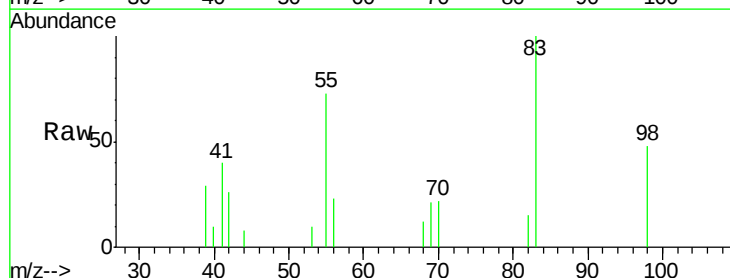
Manual Integrations
APPROVED

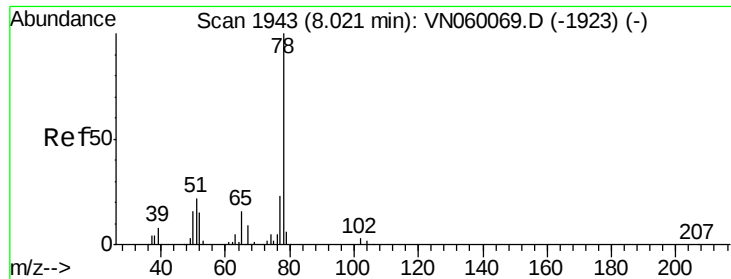
MMDadoda
2/13/2020 10:36:56 AM



#39
Methylcyclohexane
Concen: 1.087 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.3	57.8	86.8
98	48.2	36.4	54.6





#40

Benzene

Concen: 1.106 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 78 Resp: 10016

Ion Ratio Lower Upper

78 100

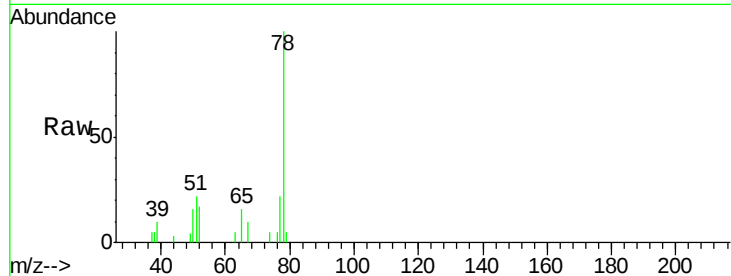
77 22.2 18.8 28.2

Manual Integrations

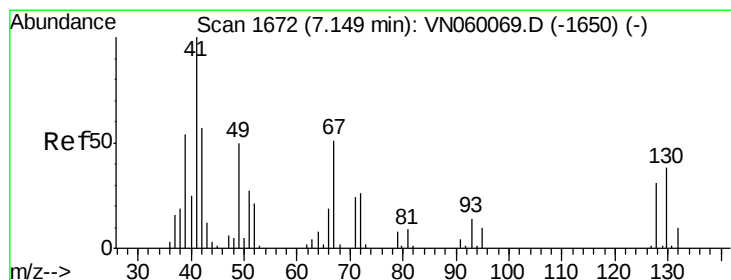
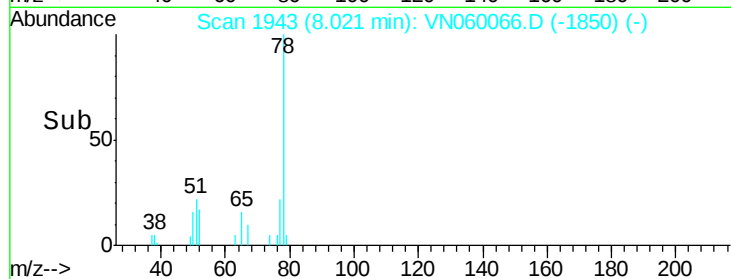
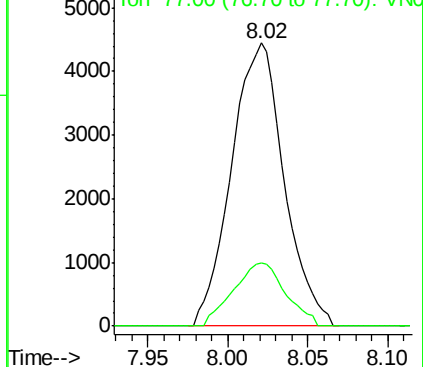
APPROVED

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2/13/2020 10:36:56 AM



Abundance Ion 78.00 (77.70 to 78.70): VN060066.D (-1850) (-)



#41

Methacrylonitrile

Concen: 0.607 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion: 41 Resp: 1060

Ion Ratio Lower Upper

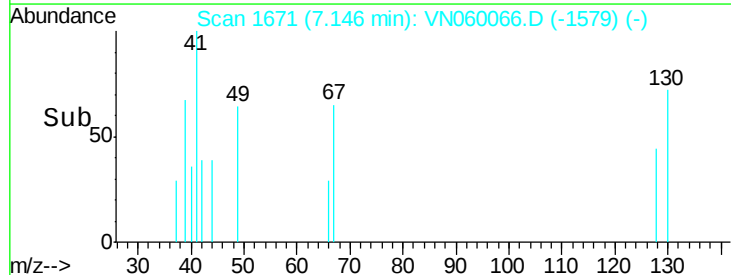
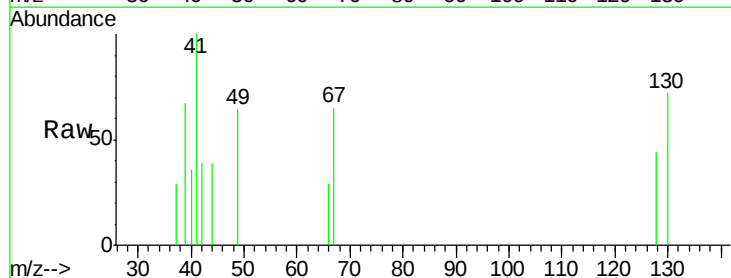
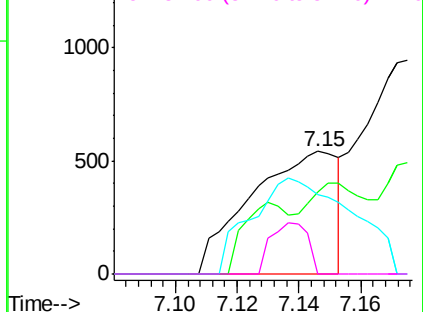
41 100

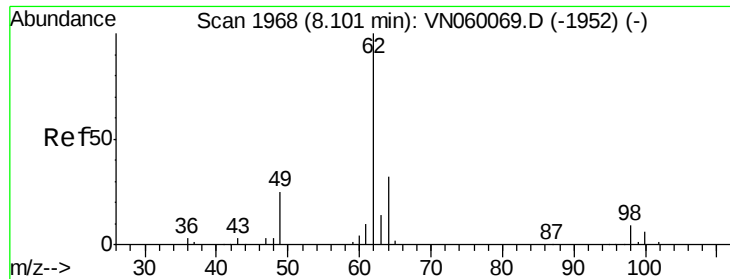
39 19.1 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Abundance Ion 41.00 (40.70 to 41.70): VN060066.D (-1579) (-)





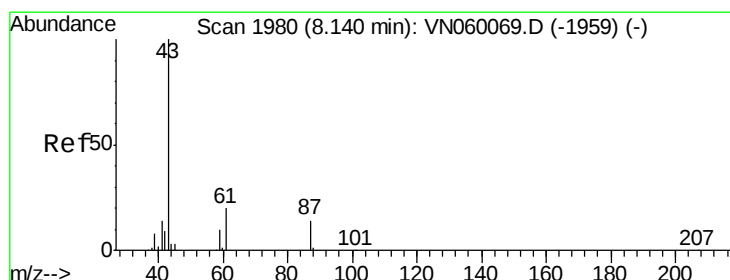
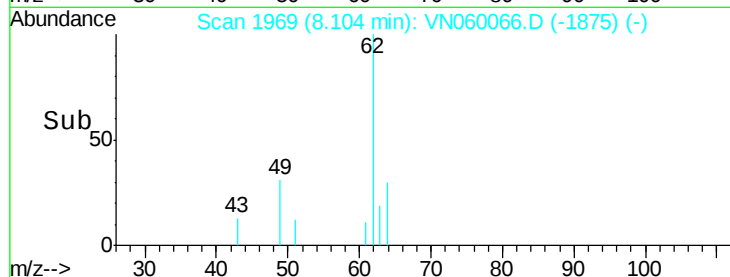
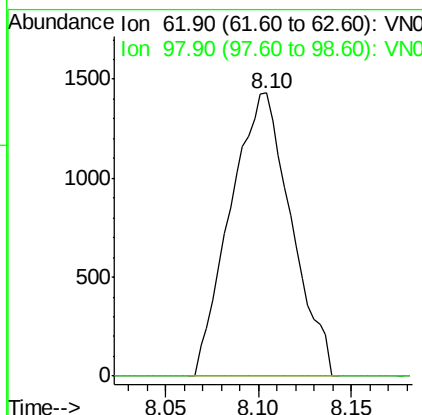
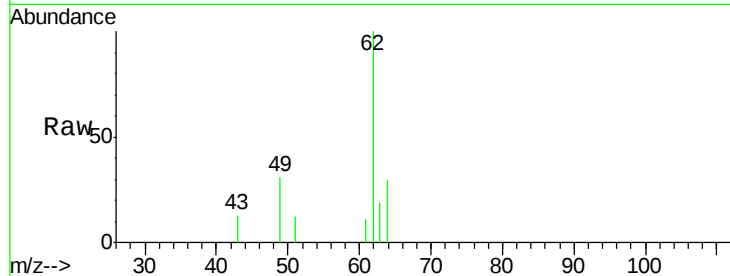
#42
 1,2-Dichloroethane
 Concen: 1.040 ug/l
 RT: 8.10 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.2

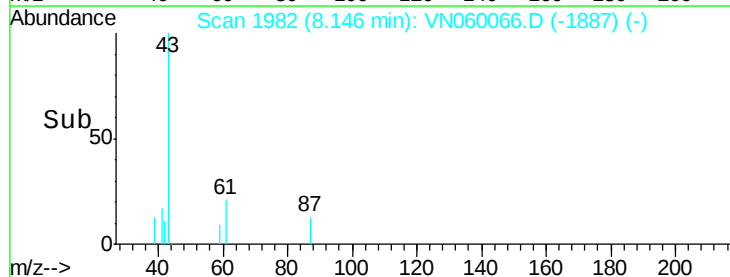
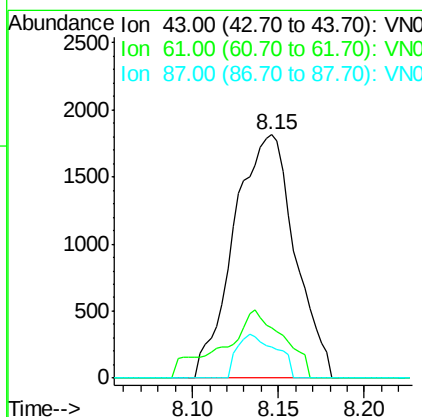
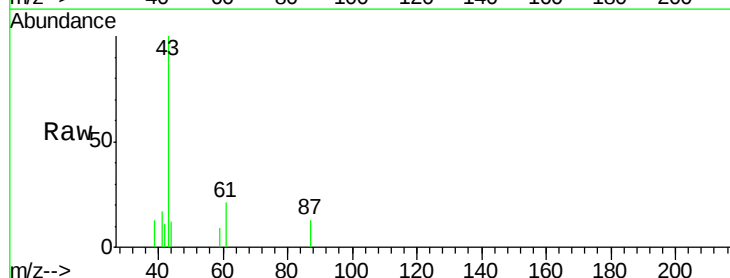
Manual Integrations
 APPROVED

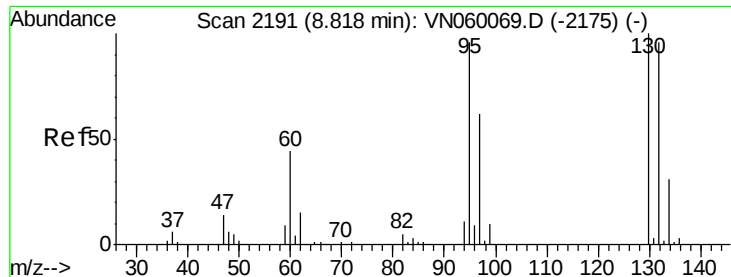
MMDadoda
 2/13/2020 10:36:56 AM



#43
 Isopropyl Acetate
 Concen: 0.977 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.01 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.0	21.8	32.6
87	11.6	11.4	17.2





#44

Trichloroethene

Concen: 1.083 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 2722

Ion Ratio Lower Upper

130 100

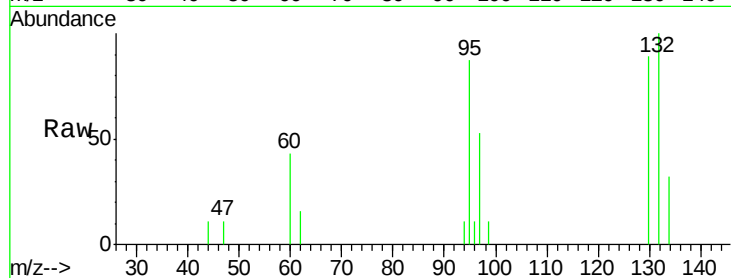
95 97.0 0.0 192.4

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.82

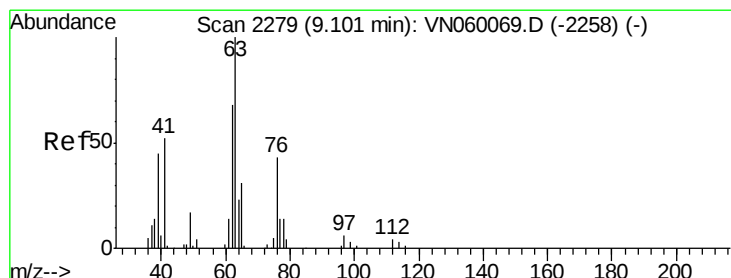
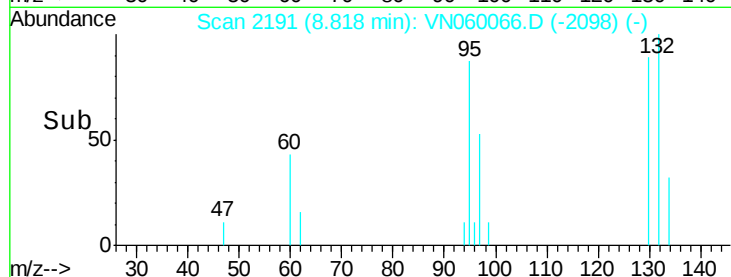
1500

1000

500

0

8.75 8.80 8.85



#45

1,2-Dichloropropane

Concen: 1.014 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060066.D

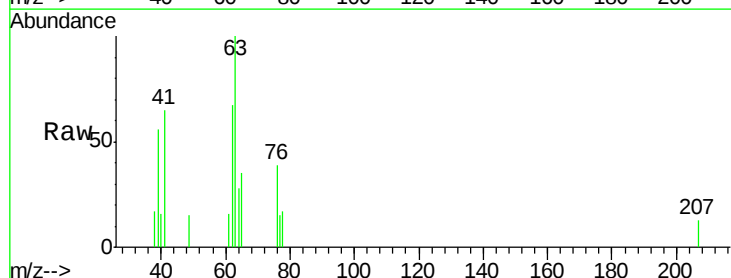
Acq: 12 Feb 2020 11:19

Tgt Ion: 63 Resp: 2253

Ion Ratio Lower Upper

63 100

65 35.0 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

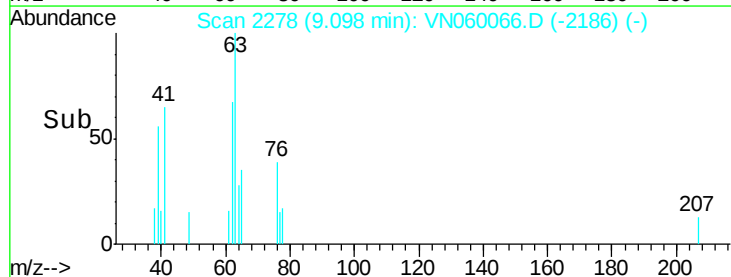
9.10

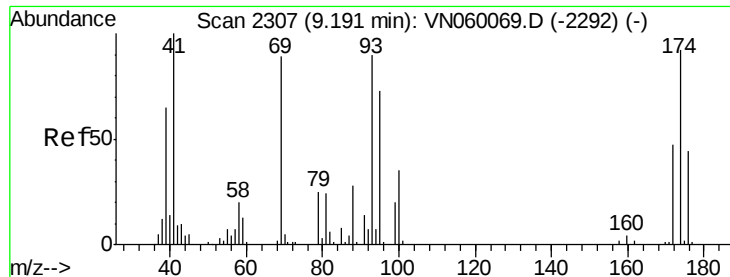
1000

500

0

9.05 9.10 9.15





#46

Dibromomethane

Concen: 1.007 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

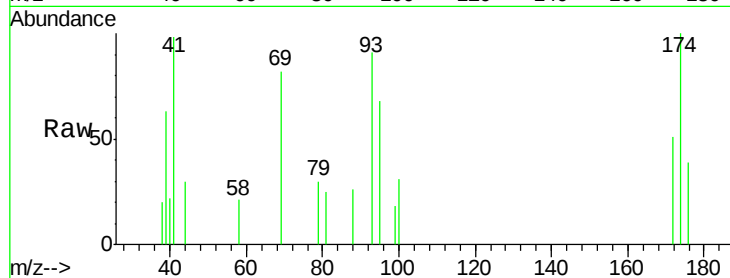
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	1572
Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.6
174	100.6	82.3	123.5

Manual Integrations
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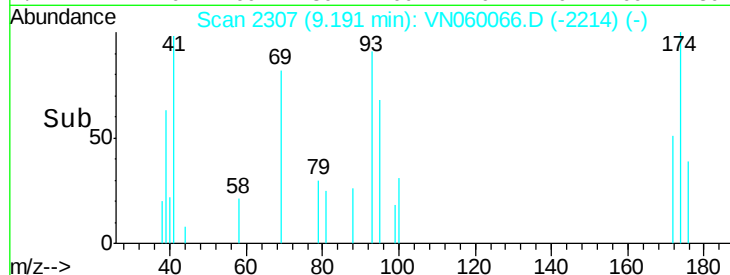


Abundance Ion 92.80 (92.50 to 93.50): VN060066.D (-2214) (-)

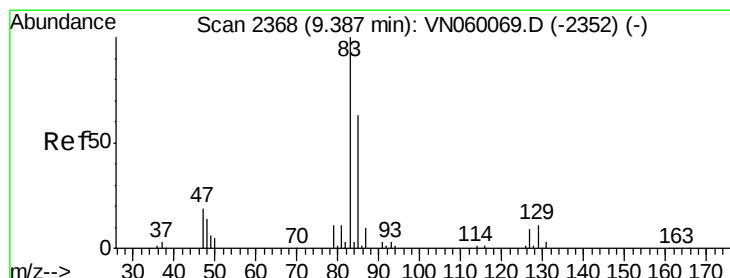
Ion 94.80 (94.50 to 95.50): VN060066.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060066.D (-2214) (-)

Time-->



Time-->



#47

Bromodichloromethane

Concen: 1.040 ug/l

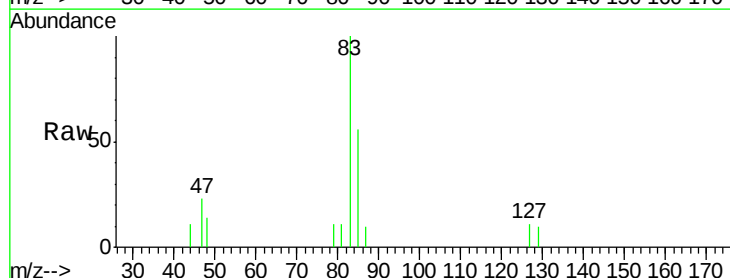
RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion:	83	Resp:	3296
Ion	Ratio	Lower	Upper
83	100		
85	55.9	50.6	75.8
127	10.6	7.0	10.6#

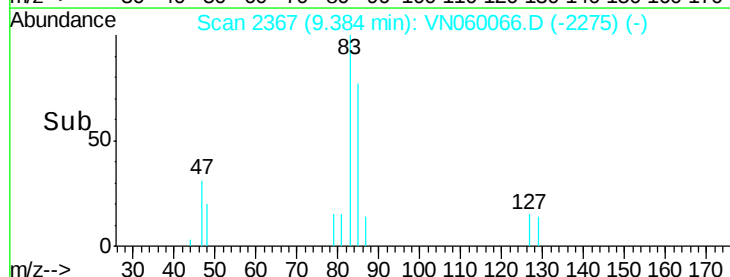


Abundance Ion 82.90 (82.60 to 83.60): VN060066.D (-2275) (-)

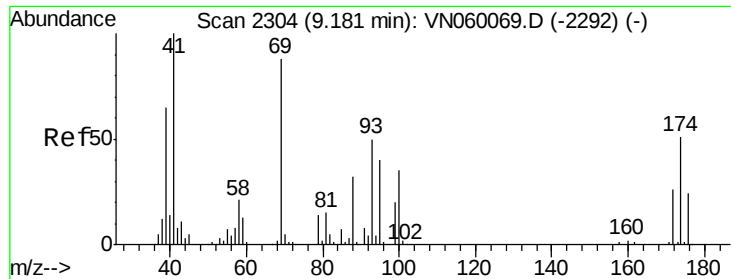
Ion 84.90 (84.60 to 85.60): VN060066.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060066.D (-2275) (-)

Time-->



Time-->



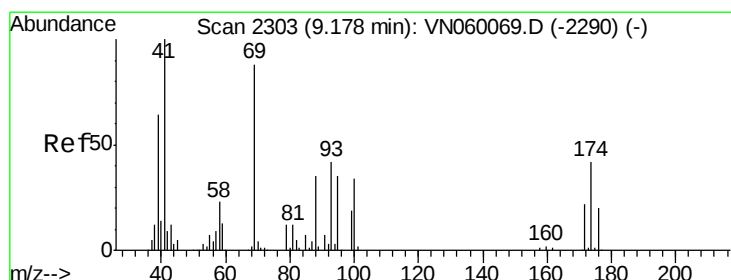
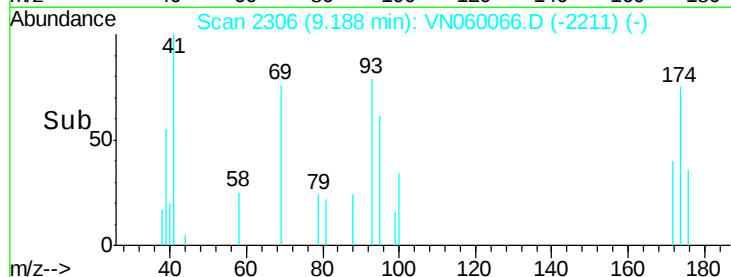
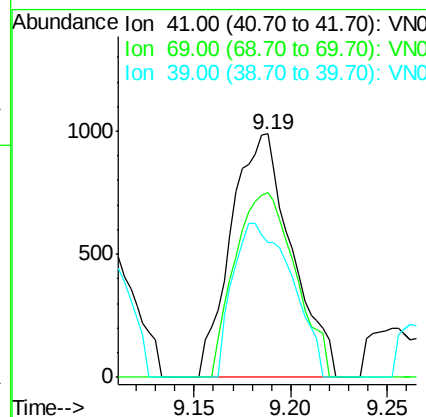
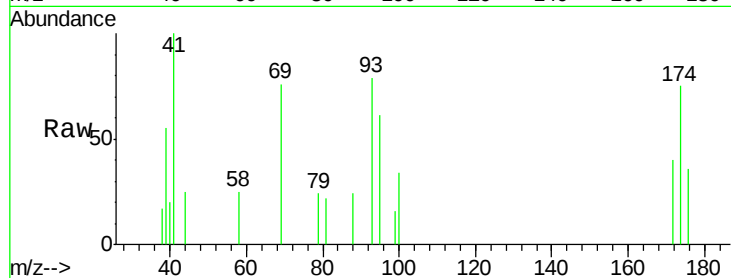
#48
Methvl methacrylate
Concen: 1.063 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.01 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	75.7	72.0	108.0
39	61.6	54.1	81.1

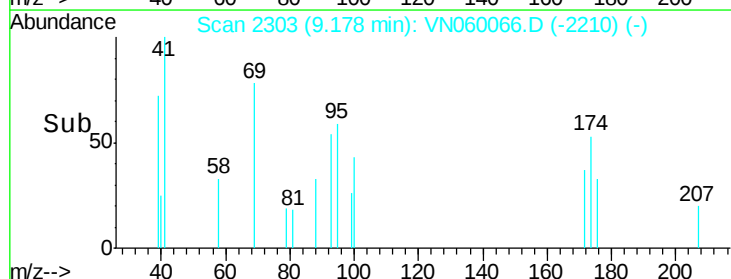
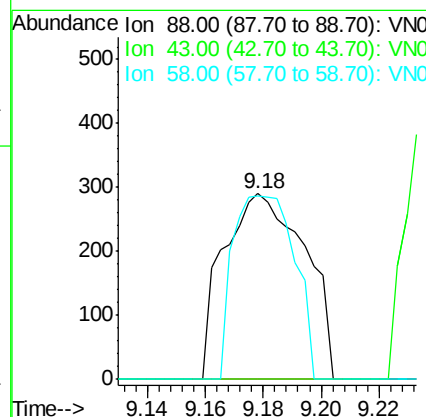
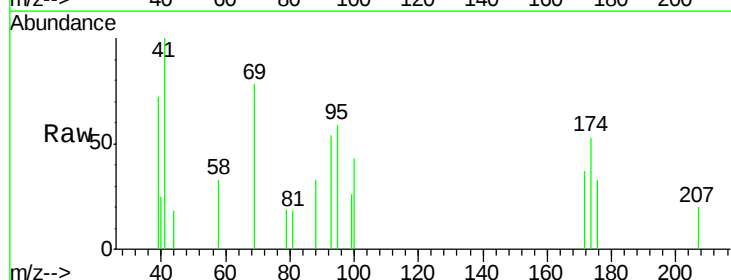
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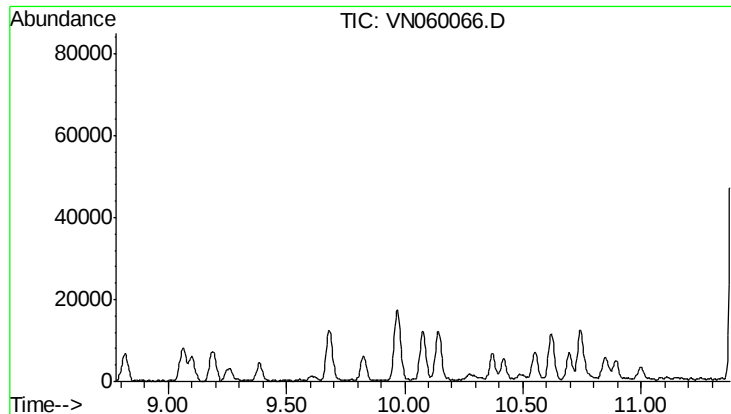
MMDadoda
2/13/2020 10:36:56 AM



#49
1,4-Dioxane
Concen: 16.600 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.2	39.2#
58	74.3	53.2	79.8





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min

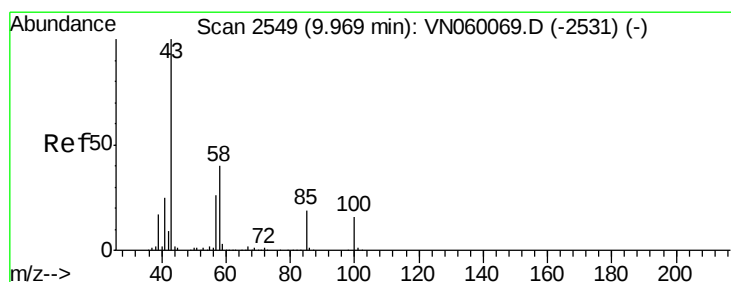
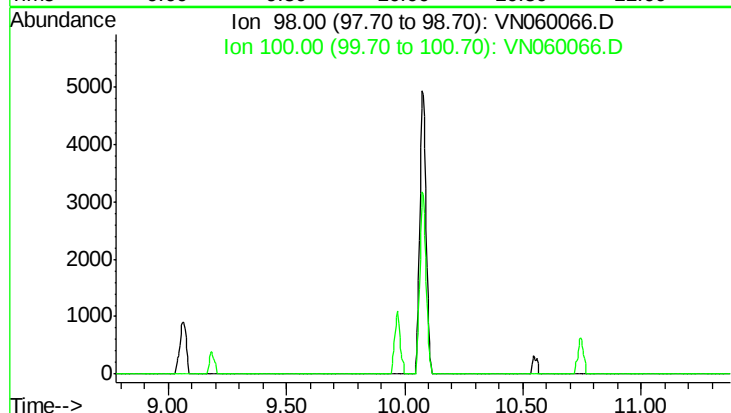
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.6

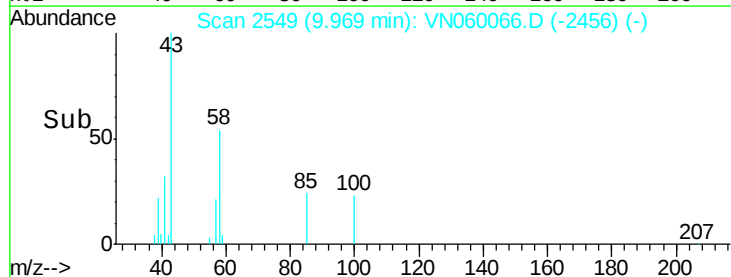
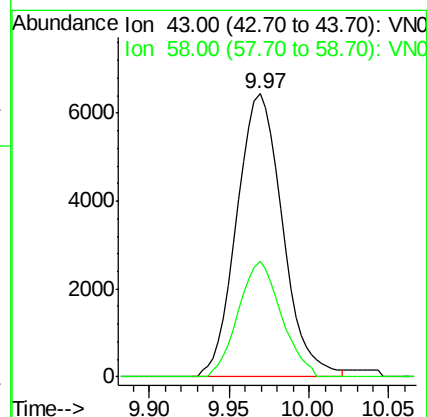
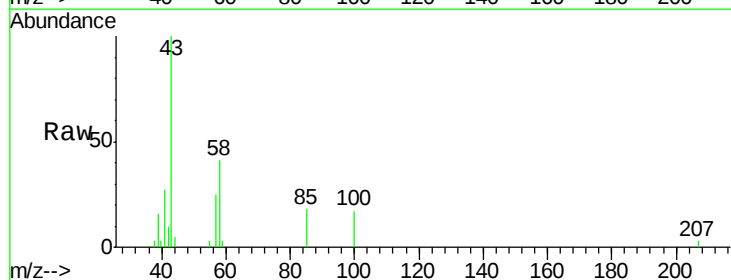
Manual Integrations
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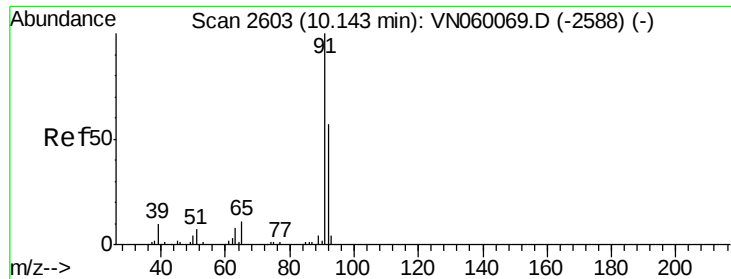
MMDadoda
2/13/2020 10:36:56 AM



#51
4-Methyl-2-Pentanone
Concen: 4.807 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 43 Resp: 12622
Ion Ratio Lower Upper
43 100
58 38.2 31.8 47.8





#52

Toluene

Concen: 1.069 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 6109

Ion Ratio Lower Upper

92 100

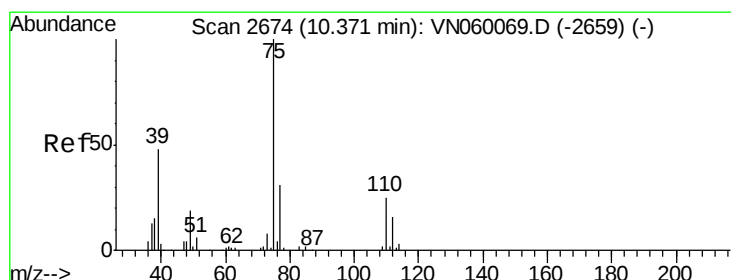
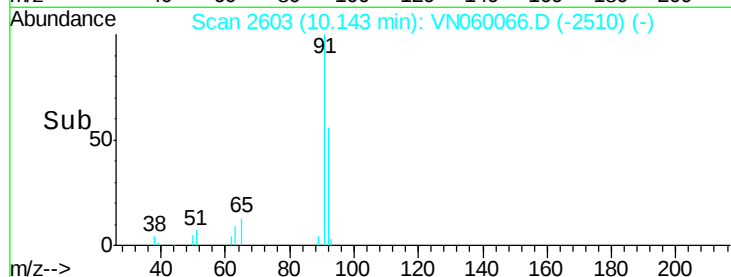
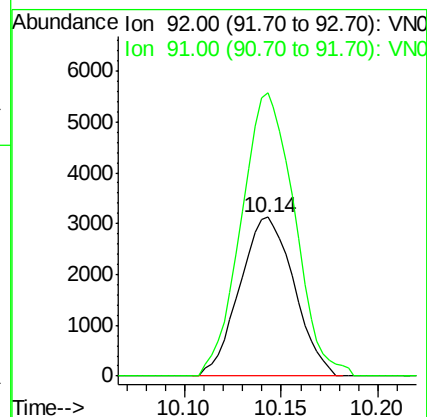
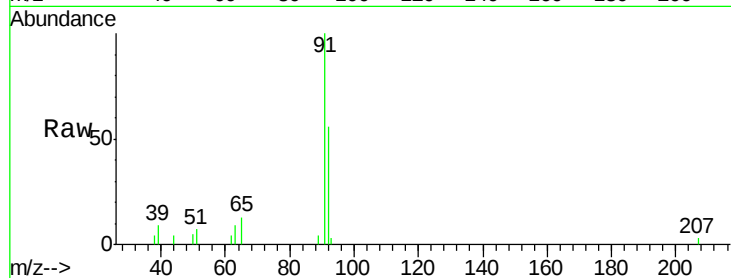
91 174.9 140.9 211.3

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.986 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060066.D

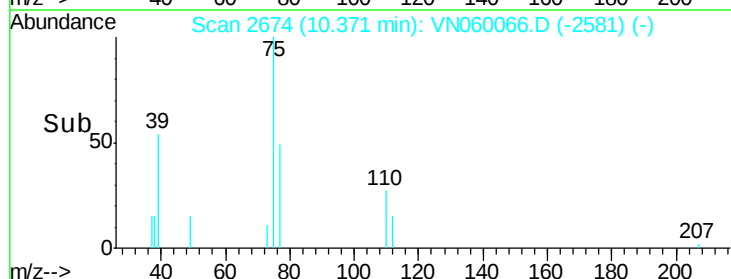
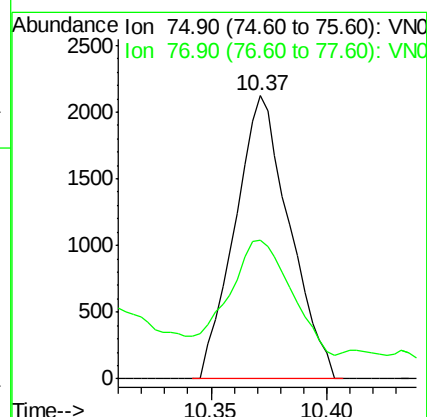
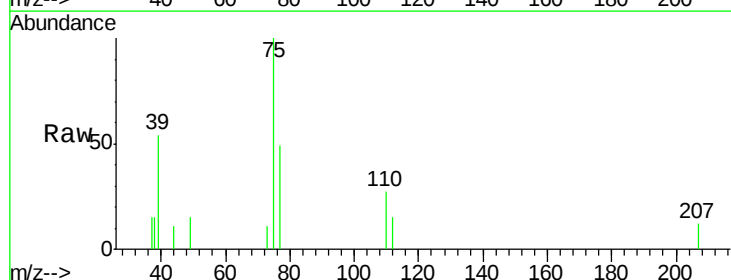
Acq: 12 Feb 2020 11:19

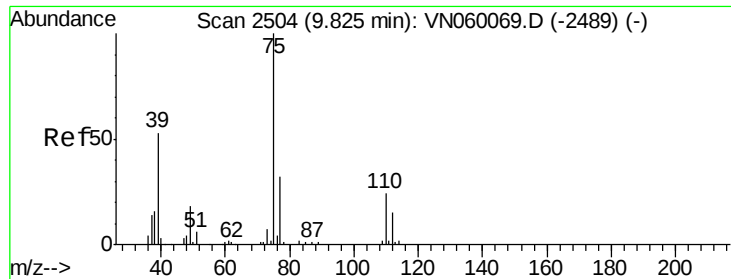
Tgt Ion: 75 Resp: 3457

Ion Ratio Lower Upper

75 100

77 40.0 25.4 38.0#





#54

cis-1,3-Dichloropropene

Concen: 1.019 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

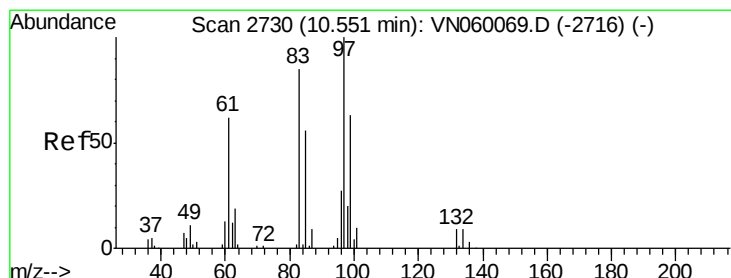
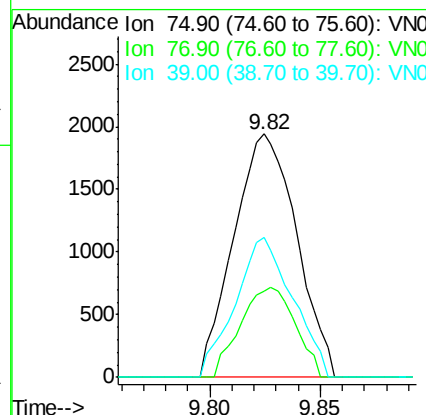
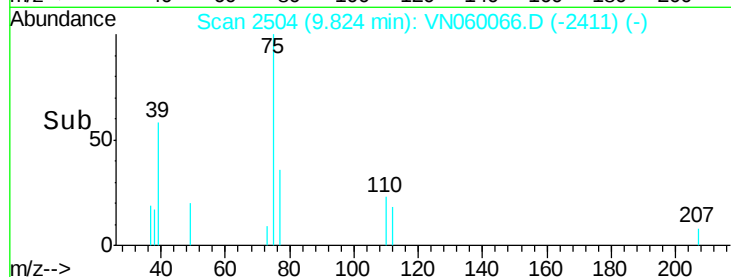
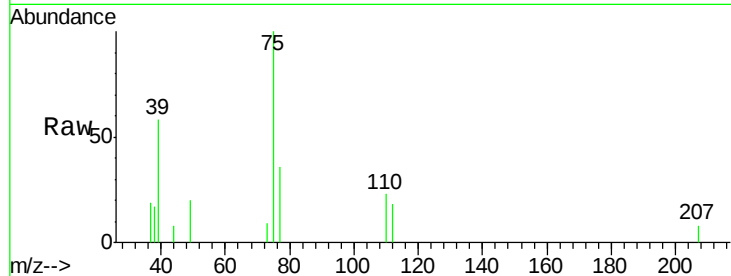
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	3818
Ion	Ratio	Lower	Upper
75	100		
77	35.6	25.6	38.4
39	57.5	42.2	63.4

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#55

1,1,2-Trichloroethane

Concen: 1.065 ug/l

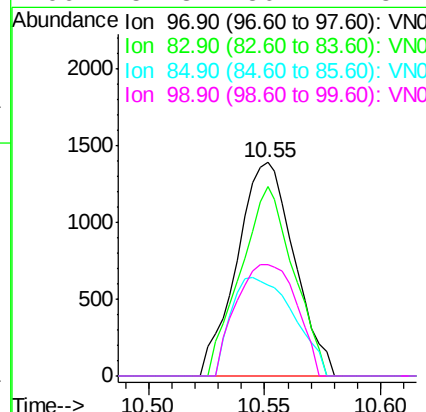
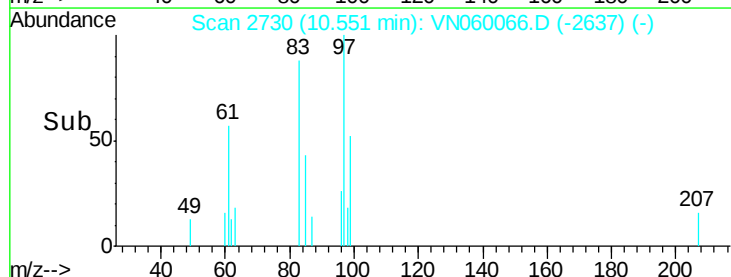
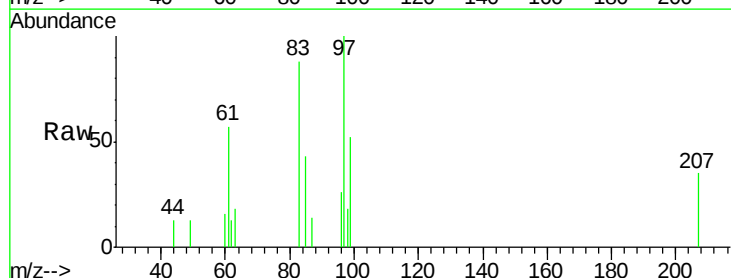
RT: 10.55 min Scan# 2730

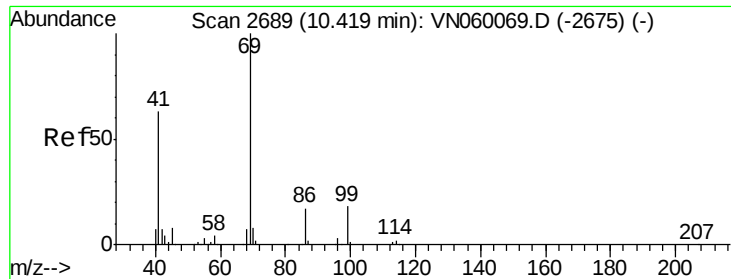
Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion:	97	Resp:	2392
Ion	Ratio	Lower	Upper
97	100		
83	88.4	67.9	101.9
85	42.5	44.6	67.0#
99	52.3	50.1	75.1





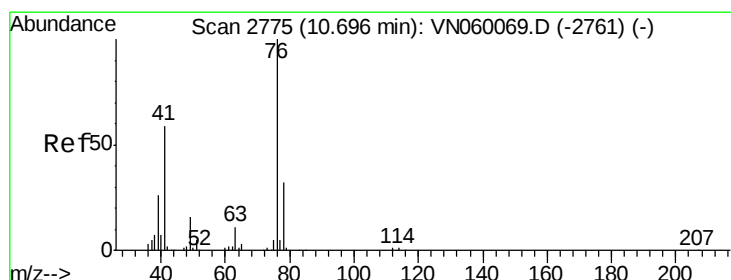
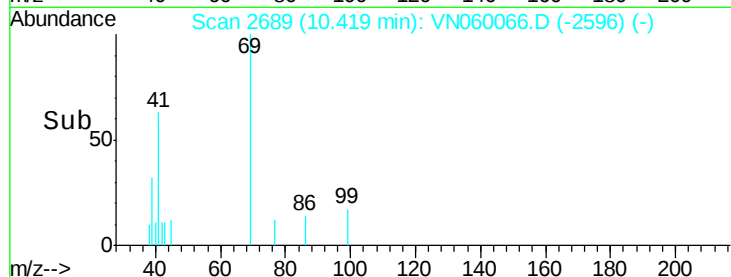
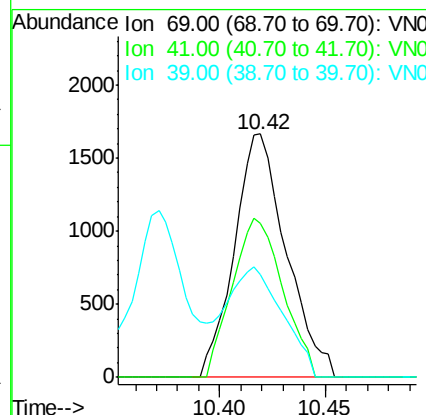
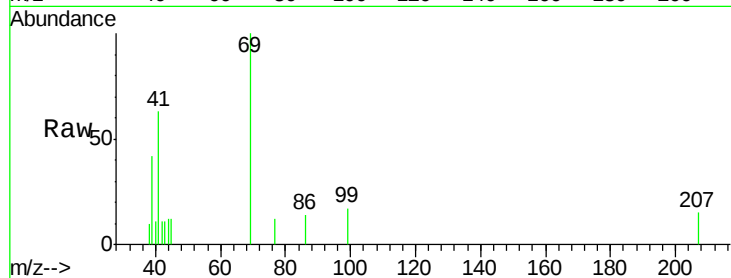
#56
Ethyl methacrylate
Concen: 0.953 ug/l
RT: 10.42 min Scan# 2689
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.1	76.7
39	47.8	33.8	50.8

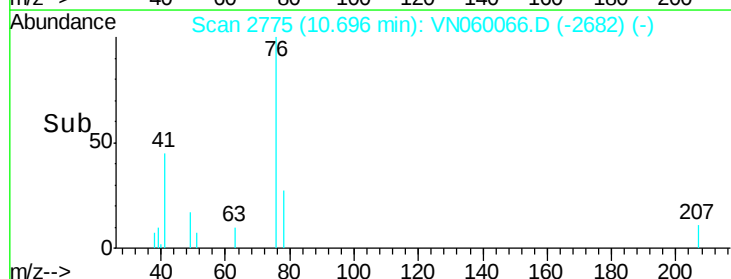
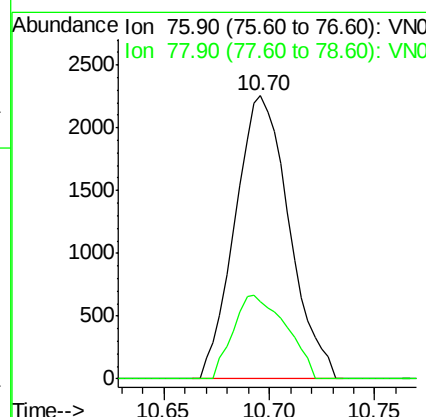
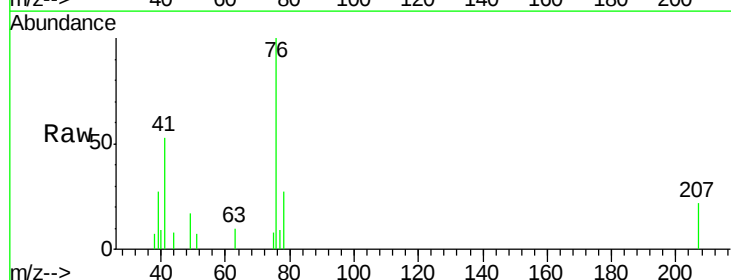
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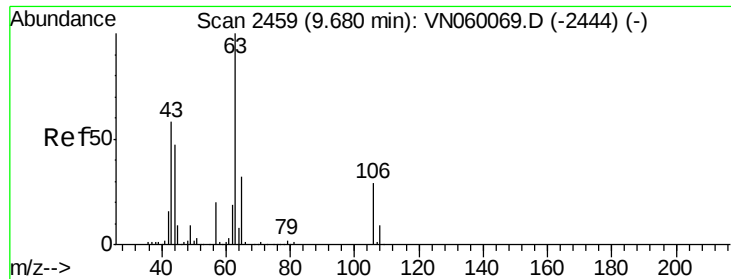
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#57
1,3-Dichloropropane
Concen: 1.082 ug/l
RT: 10.70 min Scan# 2775
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
76	100		
78	28.9	25.7	38.5





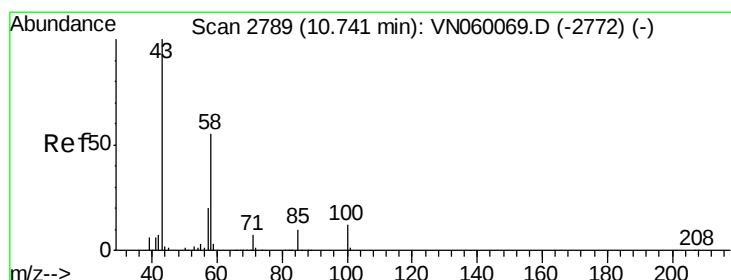
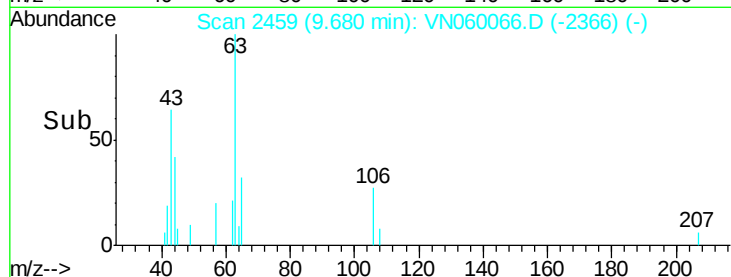
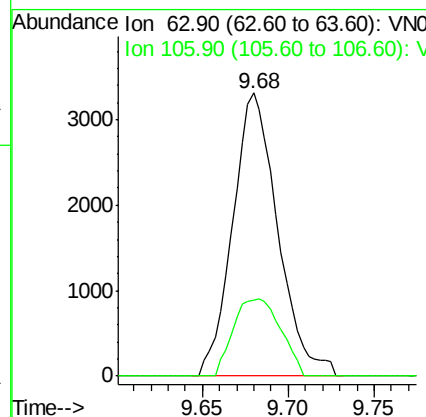
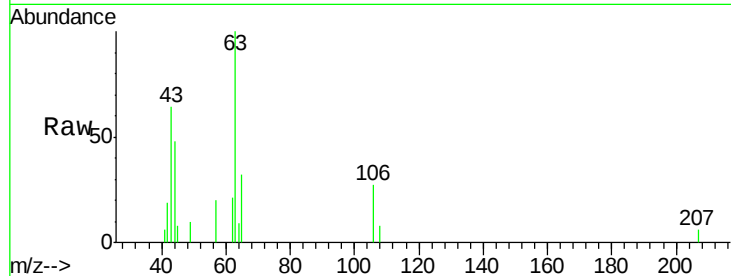
#58
2-Chloroethyl Vinyl ether
Concen: 4.284 ug/l
RT: 9.68 min Scan# 2459
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 6034
Ion Ratio Lower Upper
63 100
106 28.6 22.9 34.3

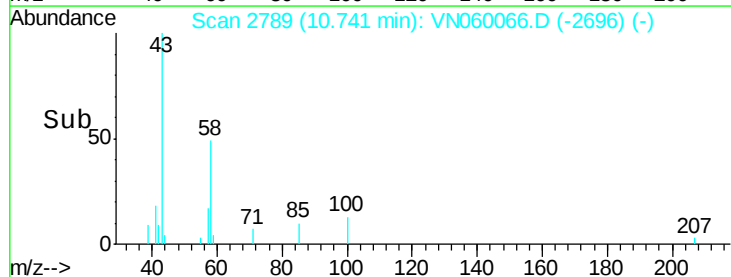
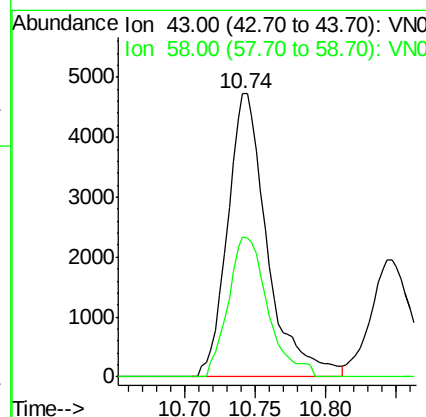
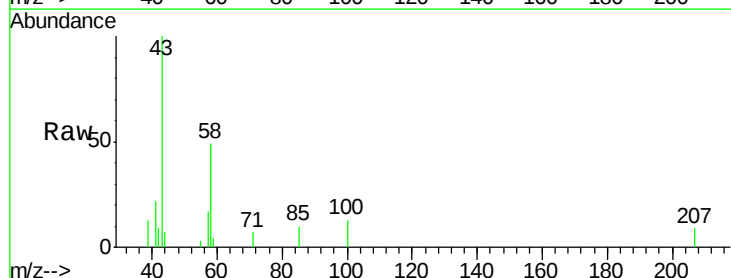
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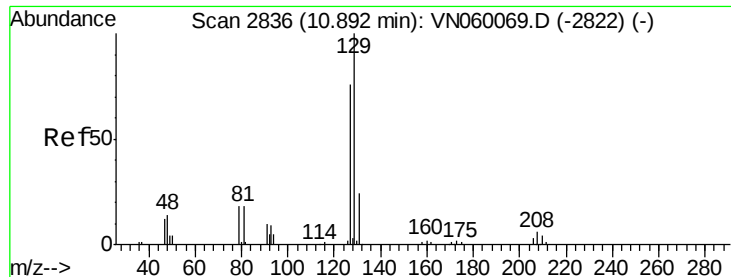
MMDadoda
2/13/2020 10:36:56 AM



#59
2-Hexanone
Concen: 4.639 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion: 43 Resp: 9292
Ion Ratio Lower Upper
43 100
58 49.1 27.5 82.4





#60

Dibromochloromethane

Concen: 1.022 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2568

Ion Ratio Lower Upper

129 100

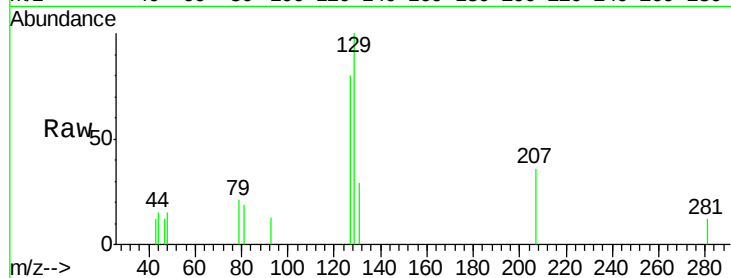
127 74.2 38.0 114.1

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.89

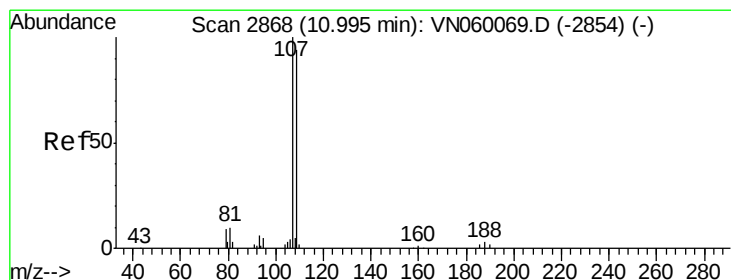
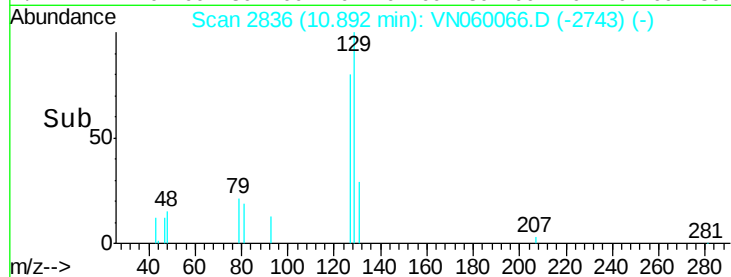
1500

1000

500

0

Time-->



#61

1,2-Dibromoethane

Concen: 1.015 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.01 min

Lab File: VN060066.D

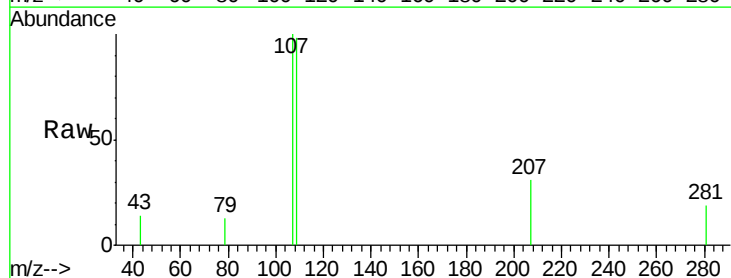
Acq: 12 Feb 2020 11:19

Tgt Ion:107 Resp: 2344

Ion Ratio Lower Upper

107 100

109 96.9 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

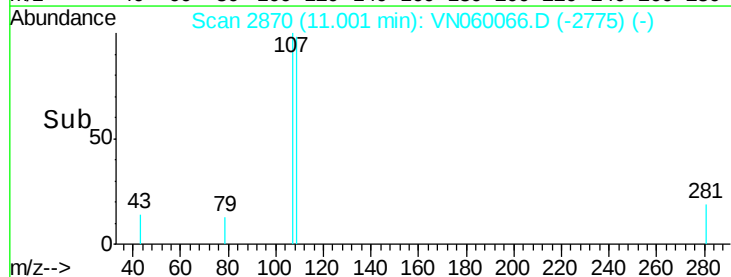
11.00

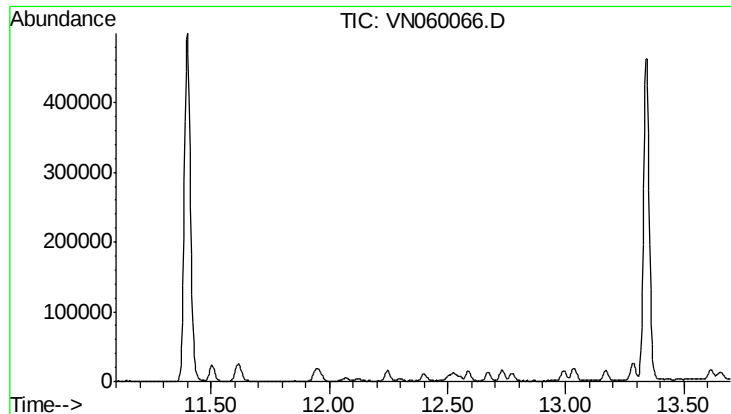
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tot Ion	95	Exp Ratio
95	100	
174	84.9	
176	82.4	

Instrument :

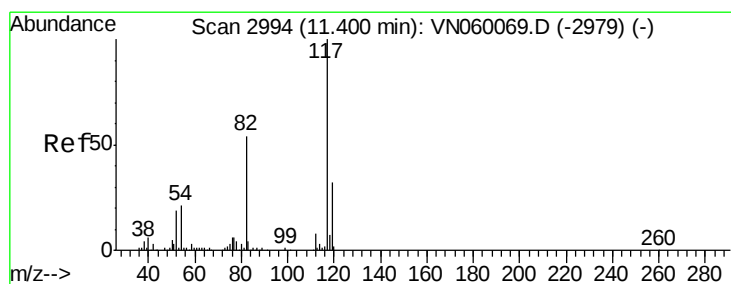
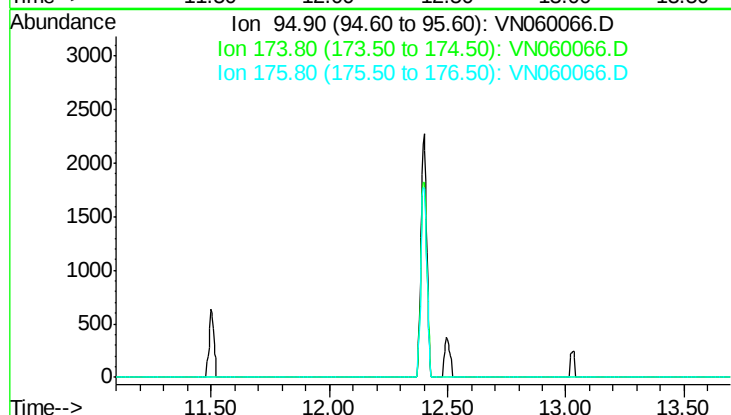
MSVOA_N

ClientSampleId :

VSTDIC001

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

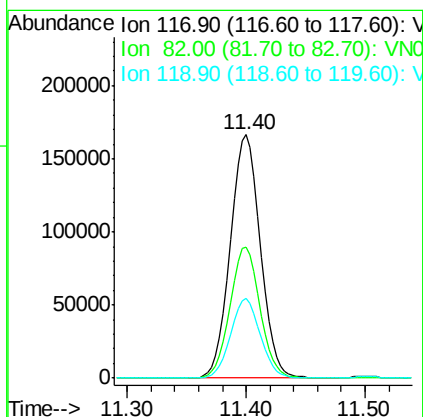
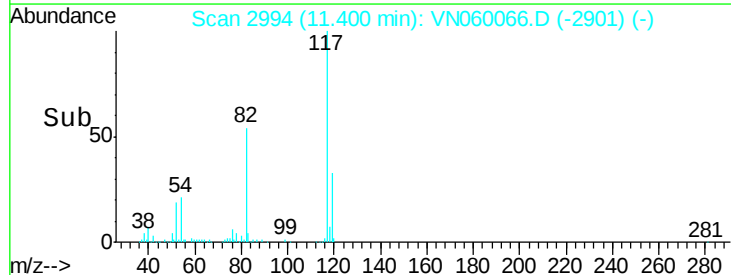
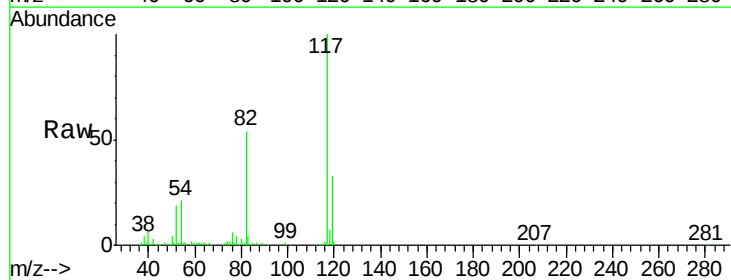
RT: 11.40 min Scan# 2994

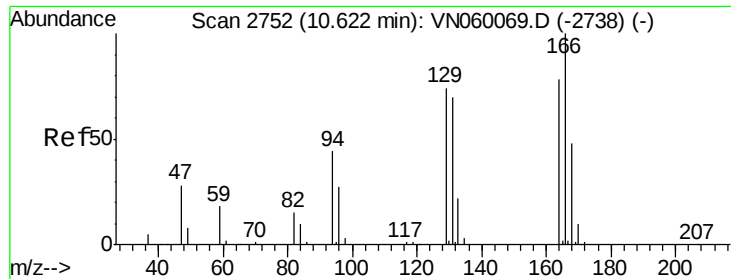
Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion	117	Resp	291580
Ion Ratio	Lower	Upper	
117	100		
82	54.0	43.4	65.0
119	32.6	25.8	38.6





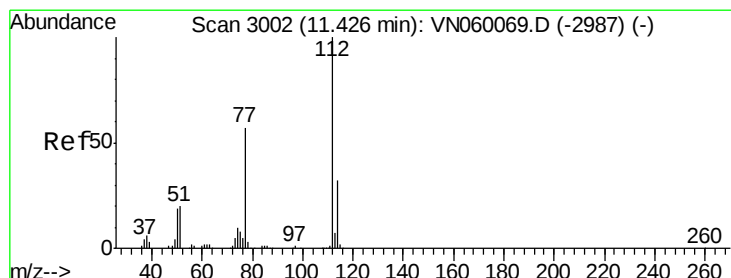
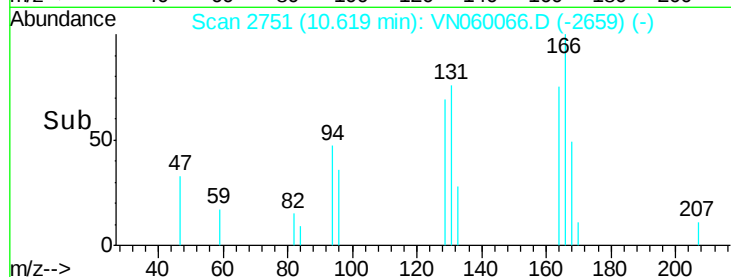
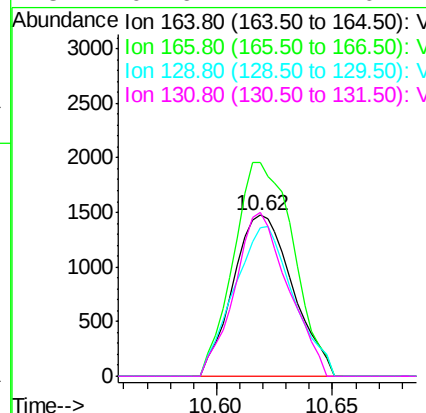
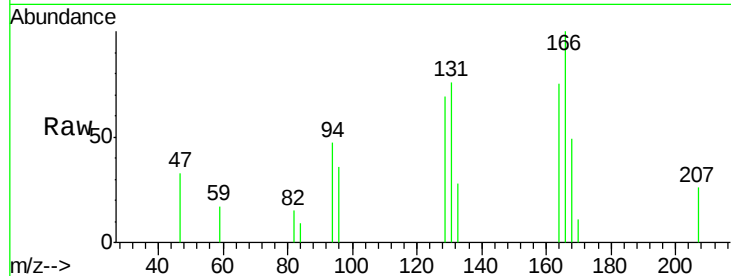
#64
Tetrachloroethene
Concen: 1.151 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.9	152.9
129	92.3	75.4	113.0
131	101.6	71.4	107.2

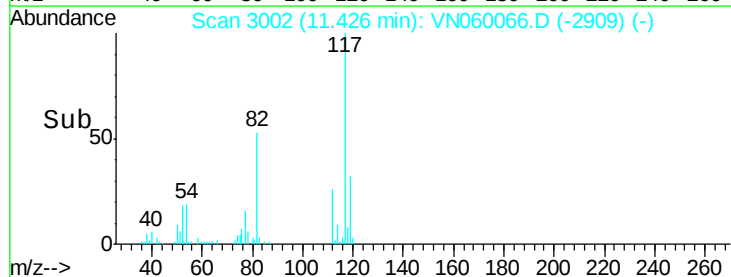
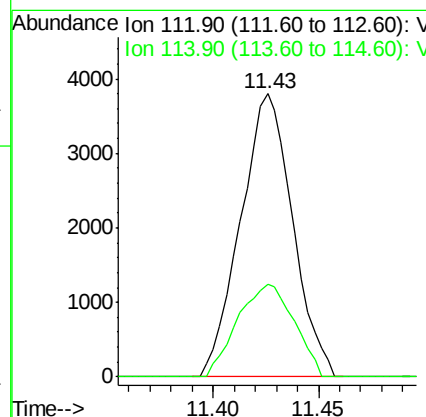
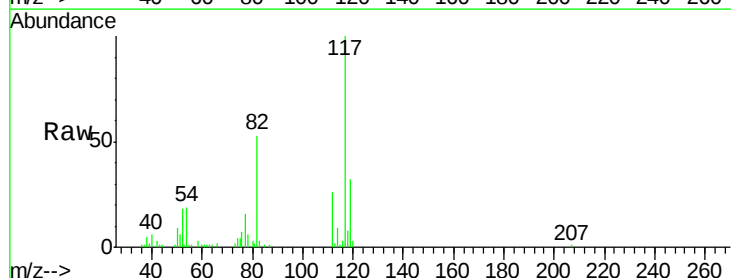
Manual Integrations
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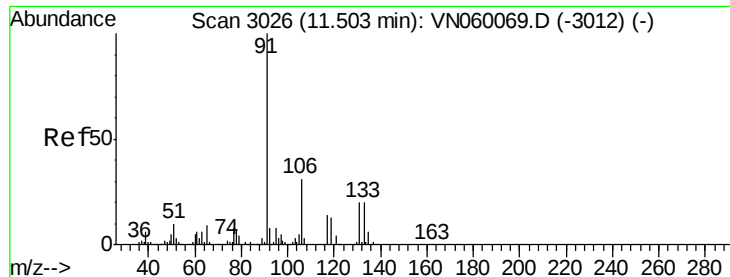
MMDadoda
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#65
Chlorobenzene
Concen: 1.090 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.4	38.0





#66

1,1,1,2-Tetrachloroethane

Concen: 1.025 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

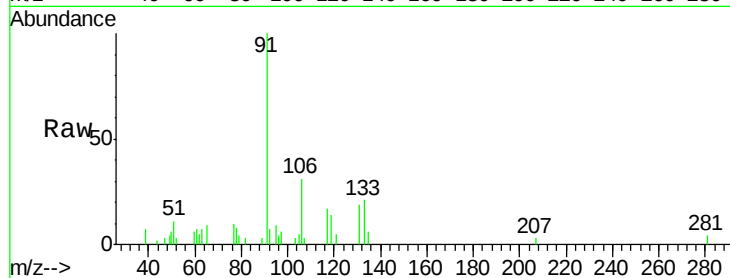
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	102.7	47.9	143.7
119	0.0	32.6	97.7#

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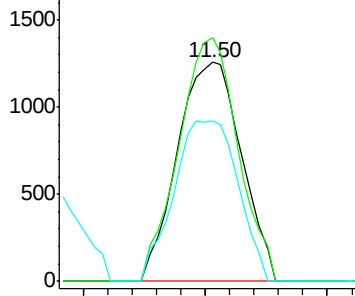
MMDadoda
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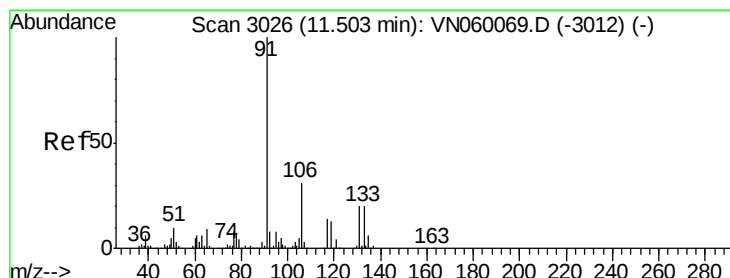
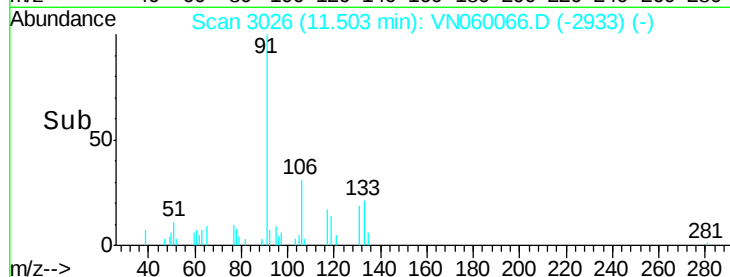
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->



#67

Ethyl Benzene

Concen: 1.097 ug/l

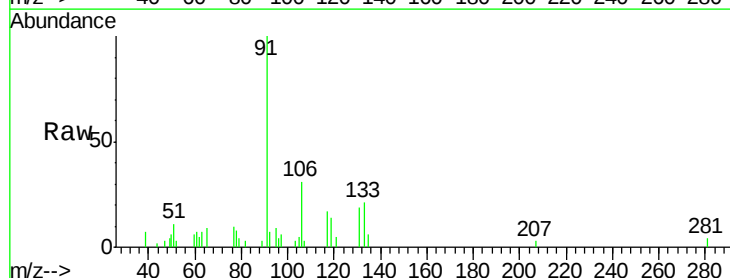
RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060066.D

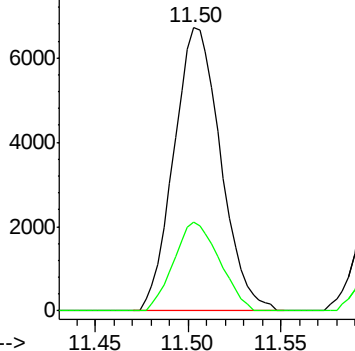
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.1	37.7

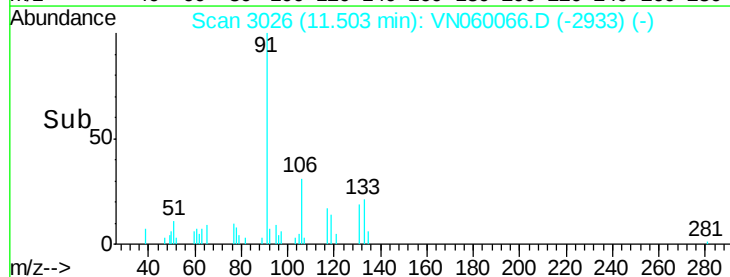


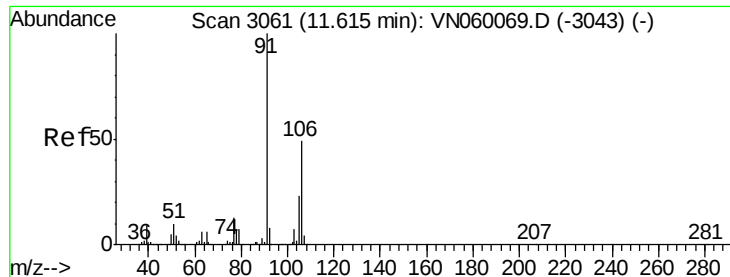
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



Time-->





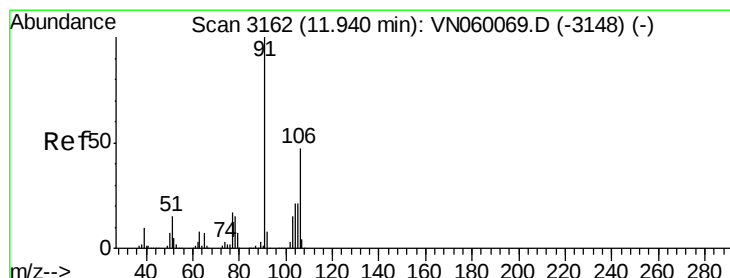
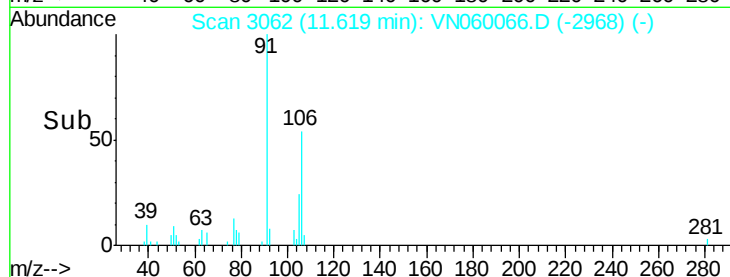
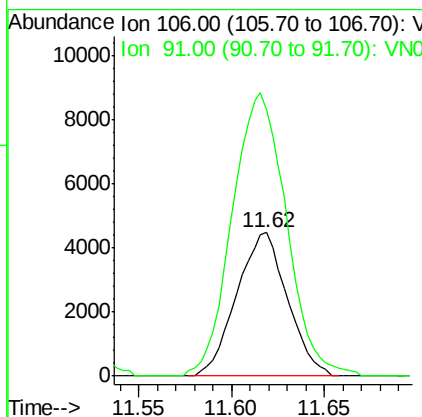
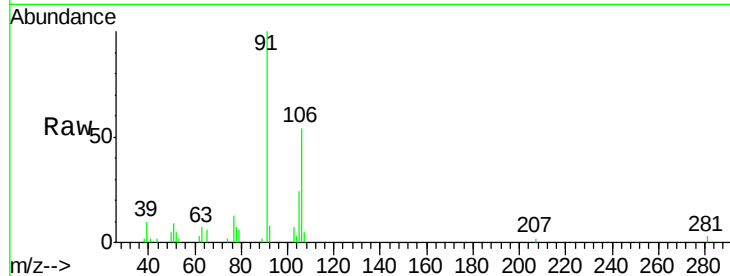
#68
m/p-Xylenes
Concen: 2.136 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 8532
Ion Ratio Lower Upper
106 100
91 211.1 162.7 244.1

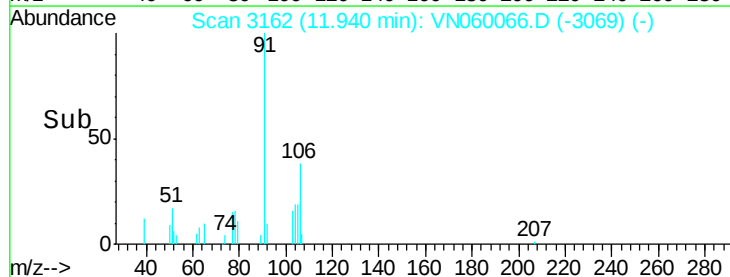
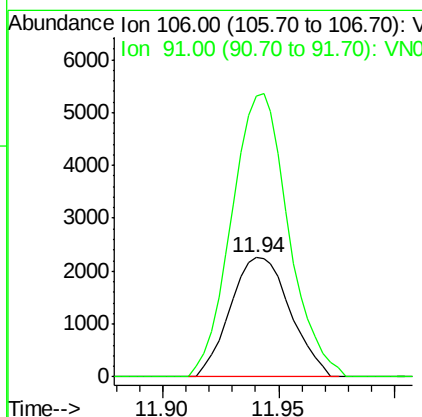
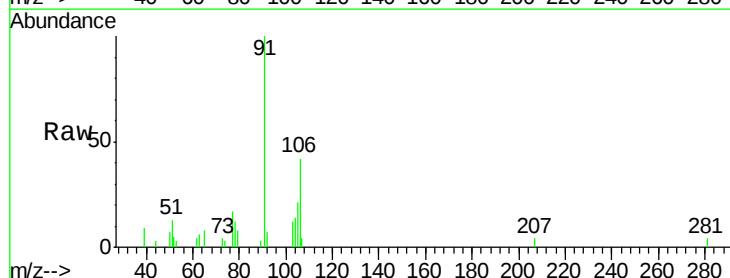
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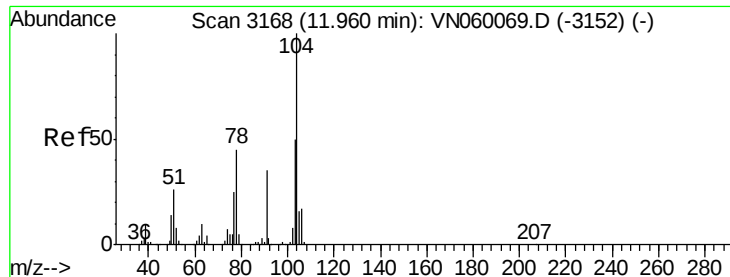
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#69
o-Xylene
Concen: 1.052 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion:106 Resp: 4040
Ion Ratio Lower Upper
106 100
91 225.3 107.2 321.6





#70

Stvrene

Concen: 0.985 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

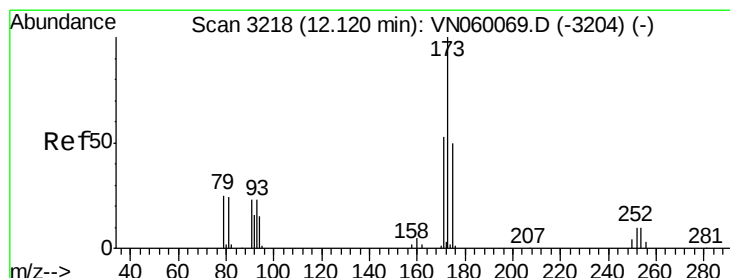
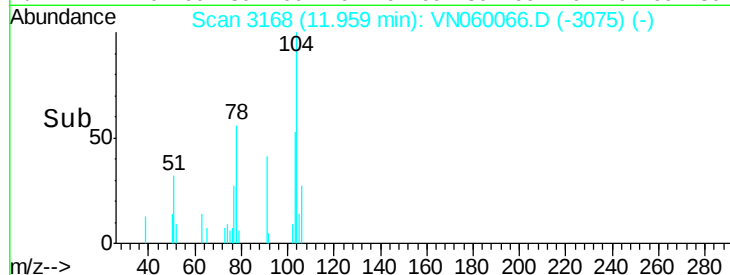
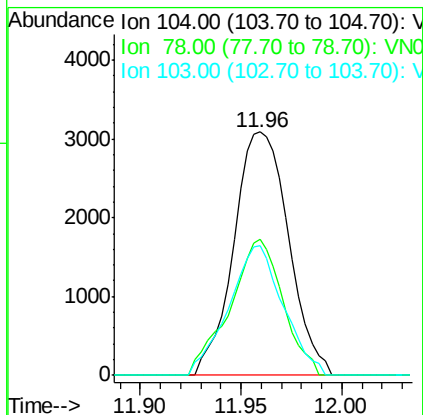
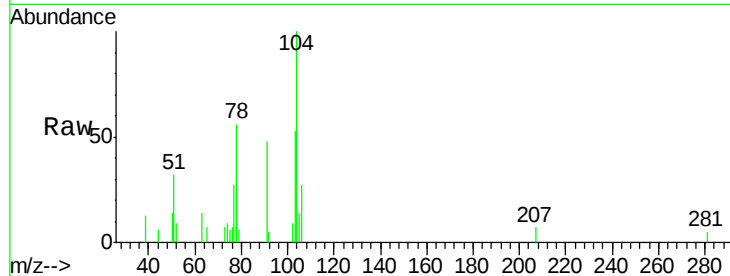
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	5868
Ion Ratio	Lower	Upper	
104	100		
78	53.8	40.2	60.2
103	52.9	44.3	66.5

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#71

Bromoform

Concen: 0.984 ug/l

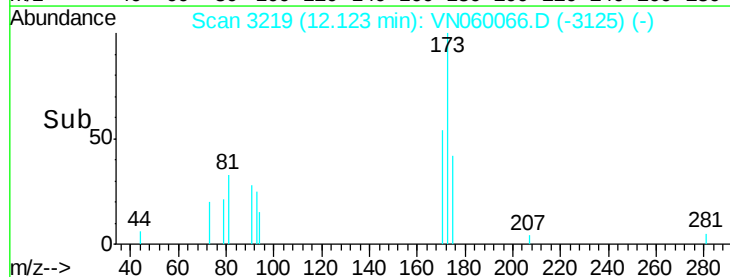
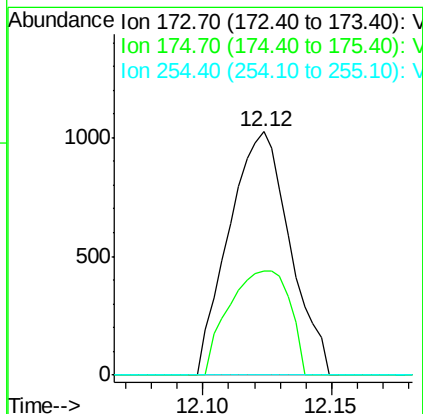
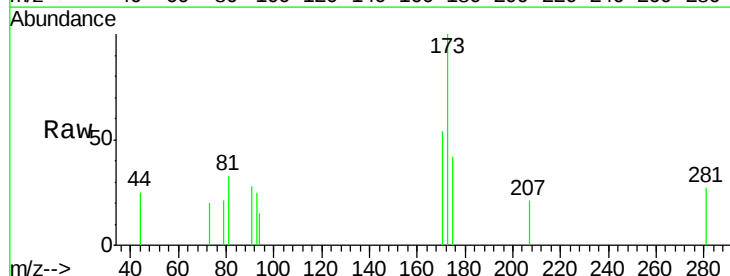
RT: 12.12 min Scan# 3219

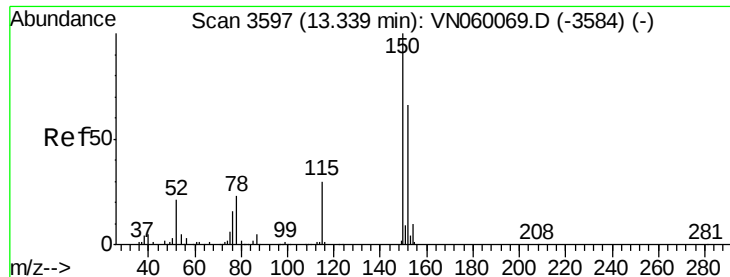
Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion:	173	Resp:	1688
Ion Ratio	Lower	Upper	
173	100		
175	42.7	24.9	74.6
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

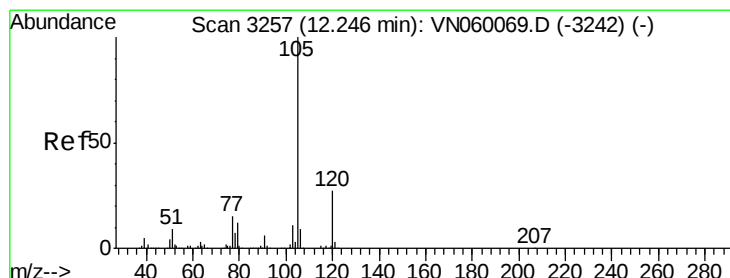
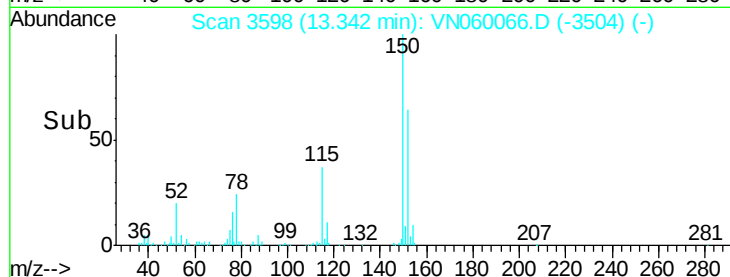
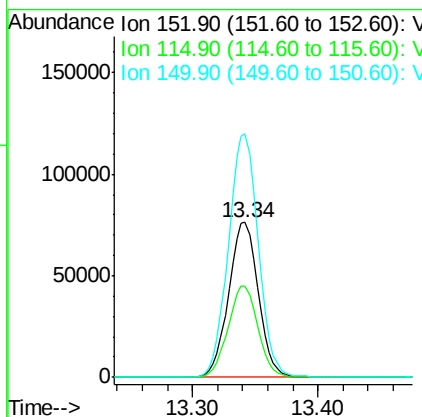
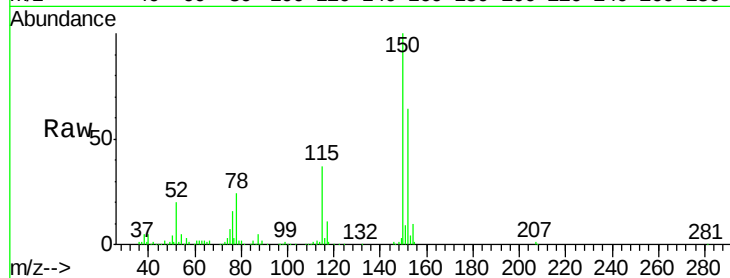
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	125386
Ion Ratio	Lower	Upper	
152	100		
115	59.2	28.9	86.8
150	158.2	0.0	342.4

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#73

Isopropylbenzene

Concen: 1.165 ug/l

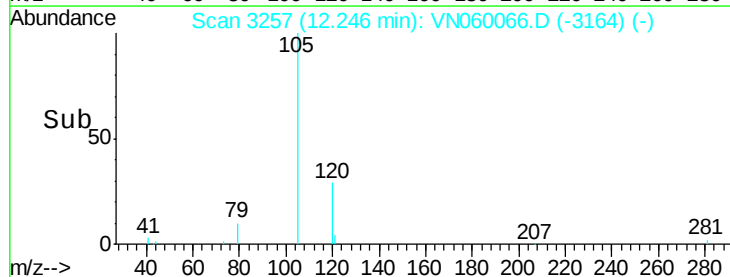
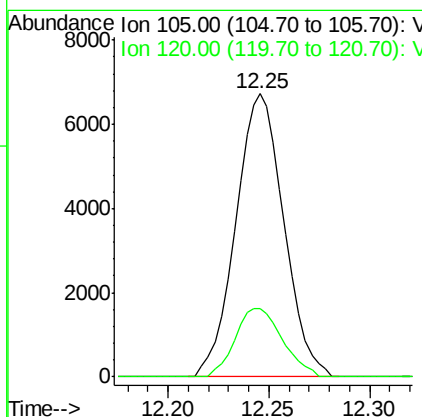
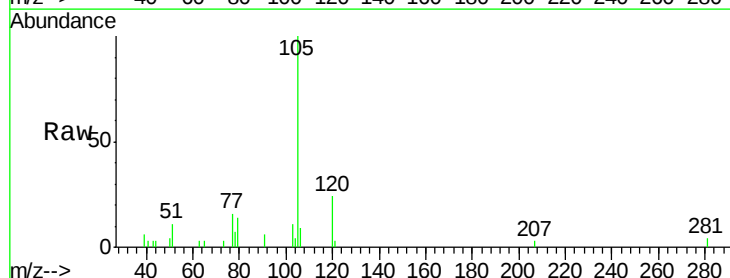
RT: 12.25 min Scan# 3257

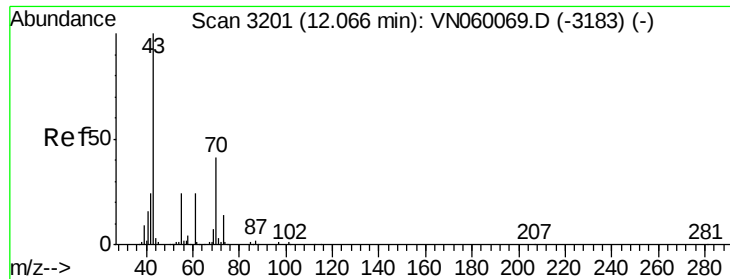
Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion:	105	Resp:	11175
Ion Ratio	Lower	Upper	
105	100		
120	24.0	13.3	39.8





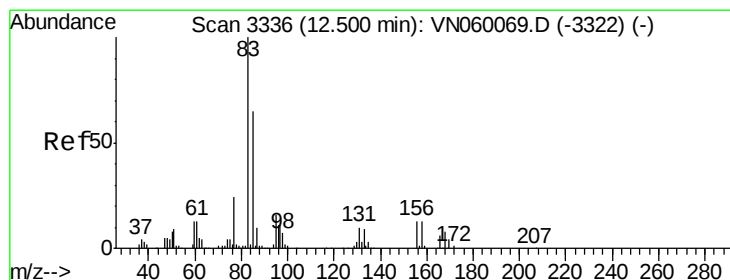
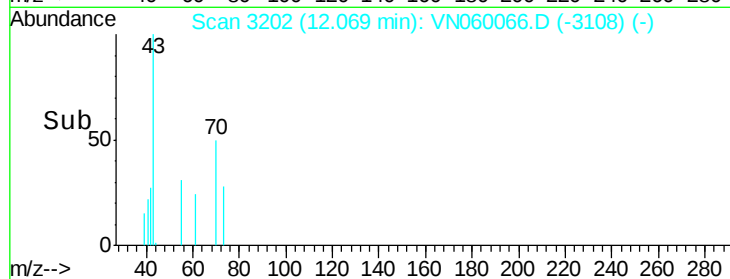
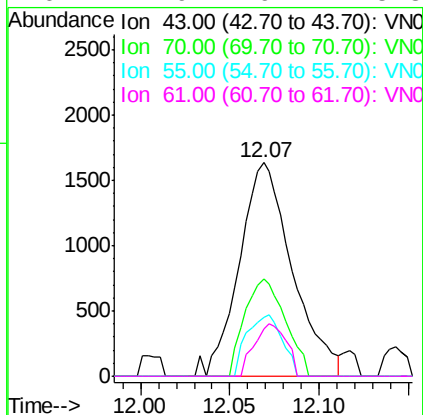
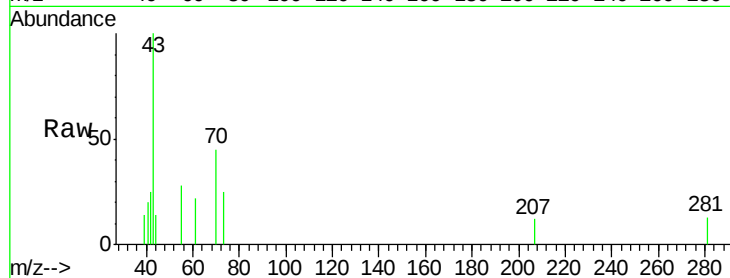
#74
N-amvl acetate
Concen: 1.038 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	34.9	33.4	50.0
55	19.2	18.8	28.2
61	14.9	19.2	28.8#

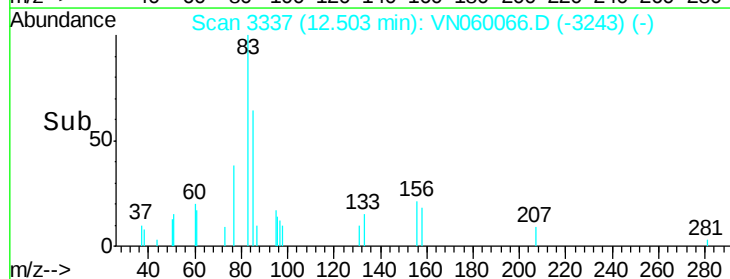
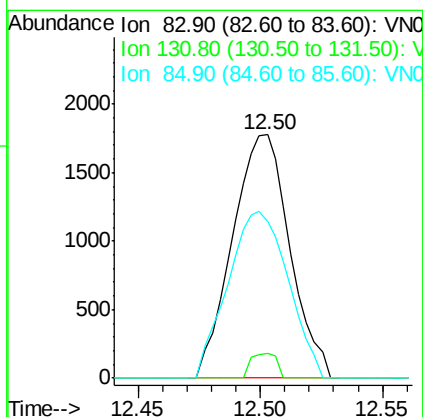
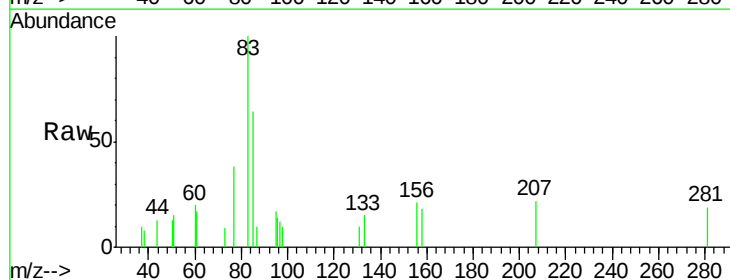
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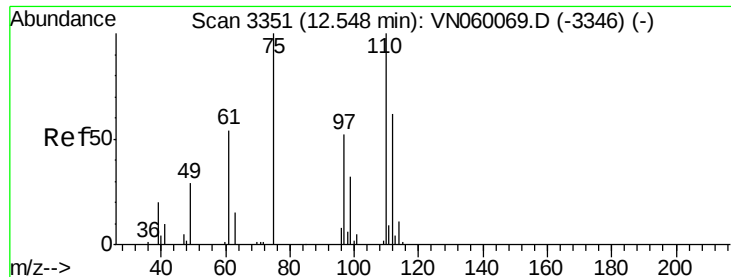
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#75
1,1,2,2-Tetrachloroethane
Concen: 1.063 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
131	4.5	5.2	15.6#
85	72.2	32.3	96.9





#76

1,2,3-Trichloropropane

Concen: 0.681 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 2322

Ion Ratio Lower Upper

75 100

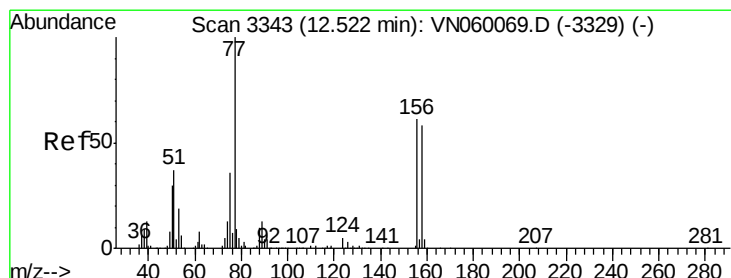
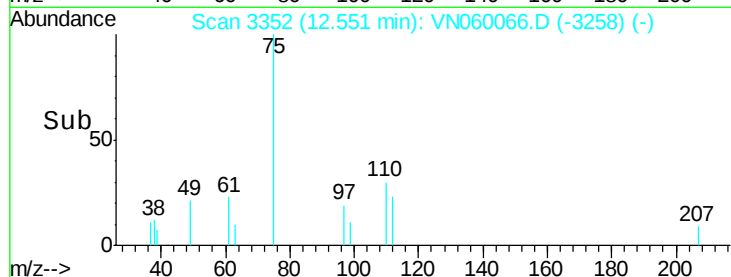
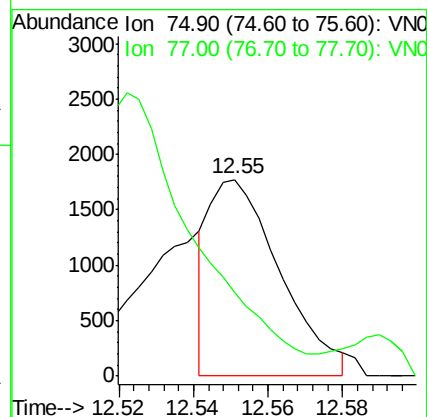
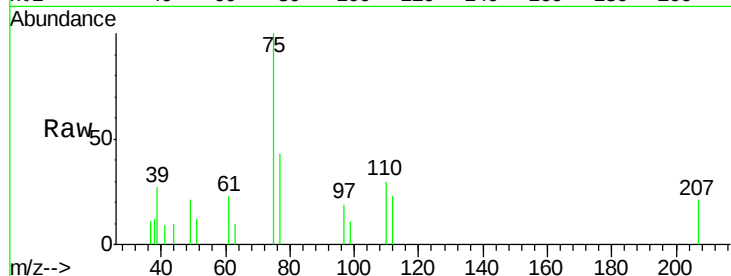
77 0.0 0.0 0.0

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#77

Bromobenzene

Concen: 1.093 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

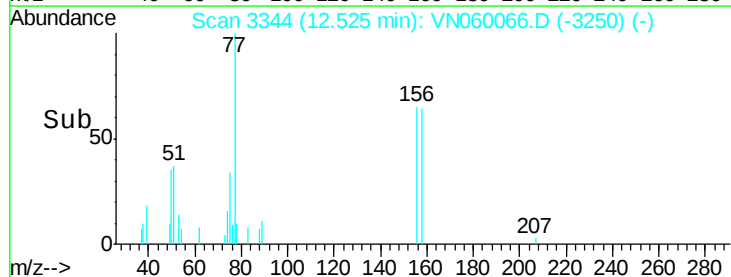
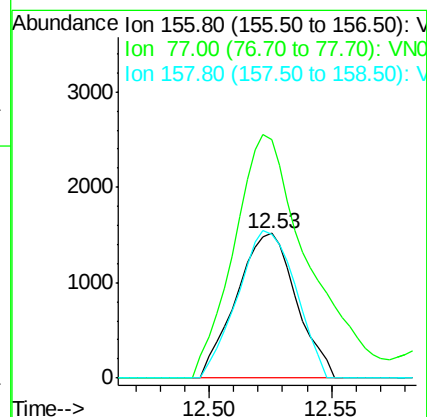
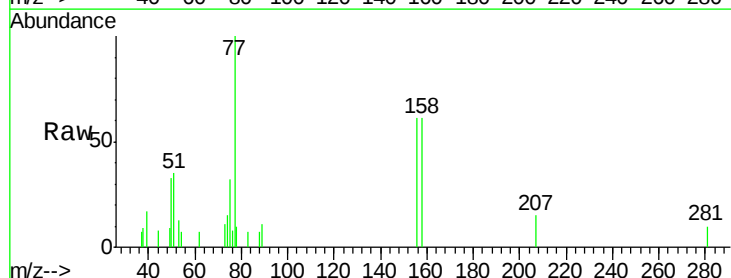
Tgt Ion: 156 Resp: 2579

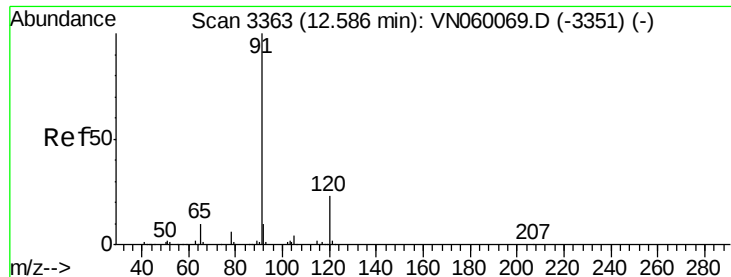
Ion Ratio Lower Upper

156 100

77 210.3 98.7 296.1

158 99.5 48.1 144.4





#78

n-propylbenzene

Concen: 1.169 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 12721

Ion Ratio Lower Upper

91 100

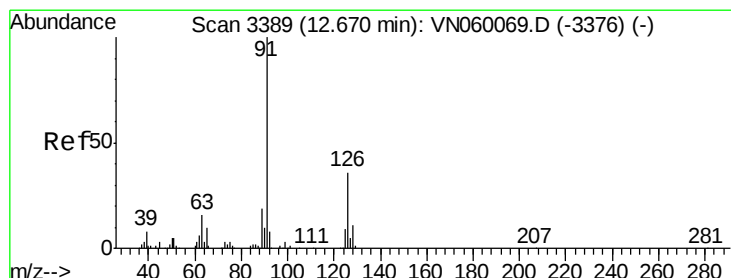
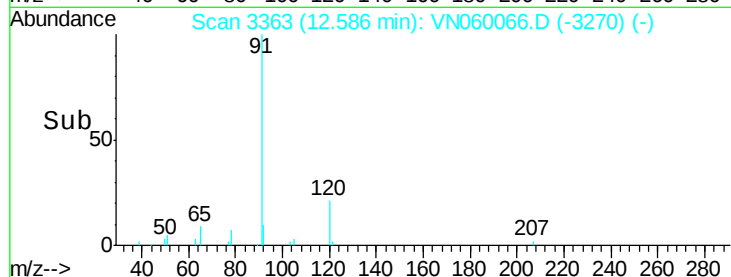
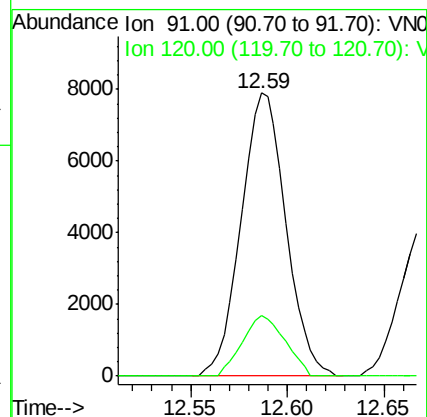
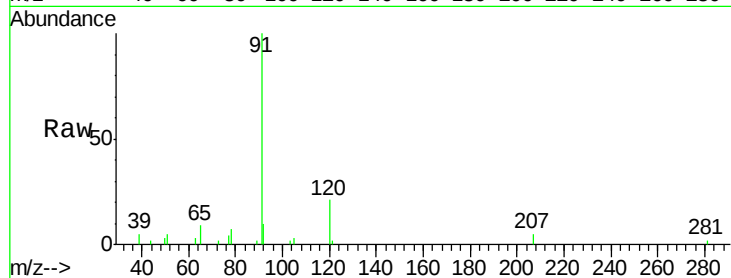
120 20.3 11.5 34.5

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#79

2-Chlorotoluene

Concen: 1.176 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN060066.D

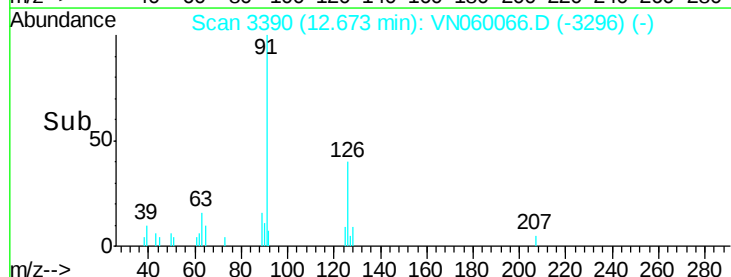
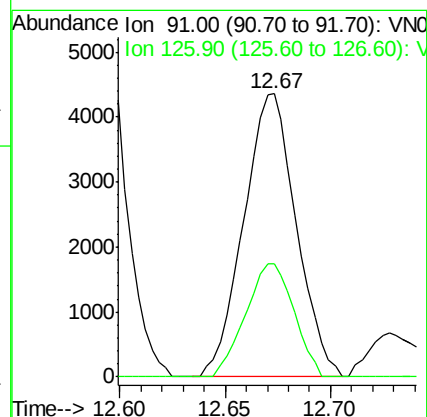
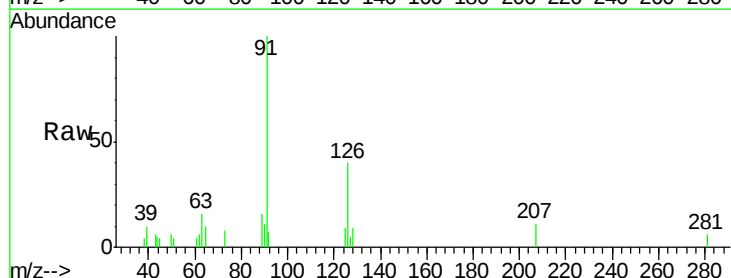
Acq: 12 Feb 2020 11:19

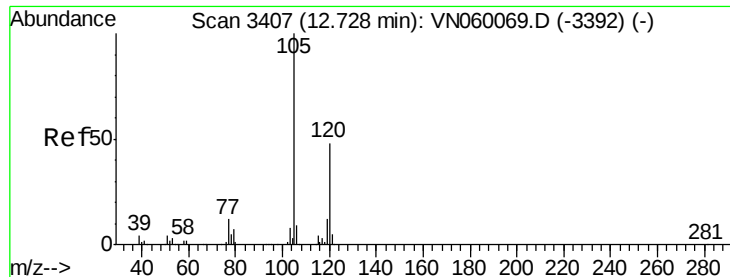
Tgt Ion: 91 Resp: 7549

Ion Ratio Lower Upper

91 100

126 36.6 17.4 52.2





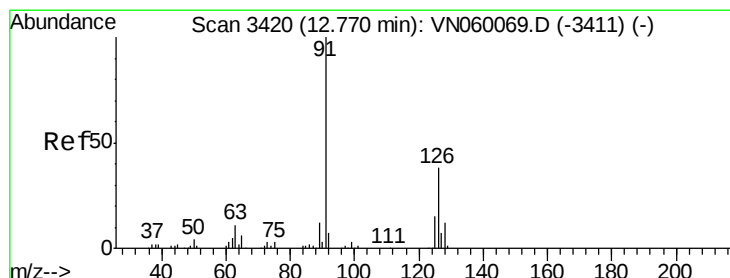
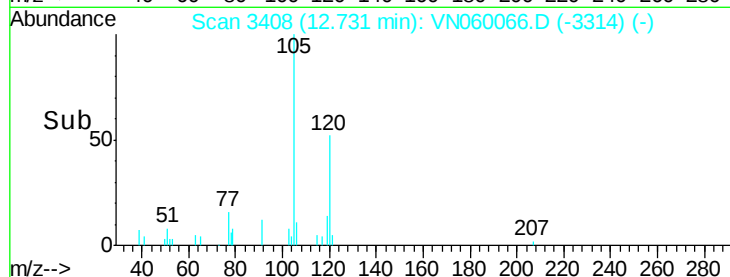
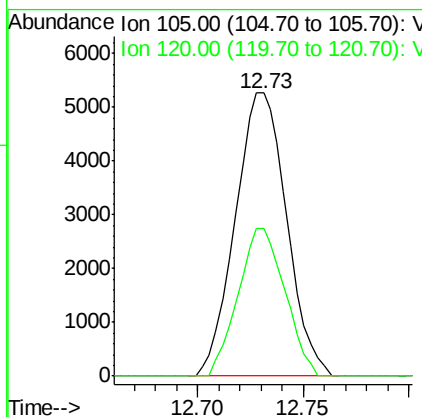
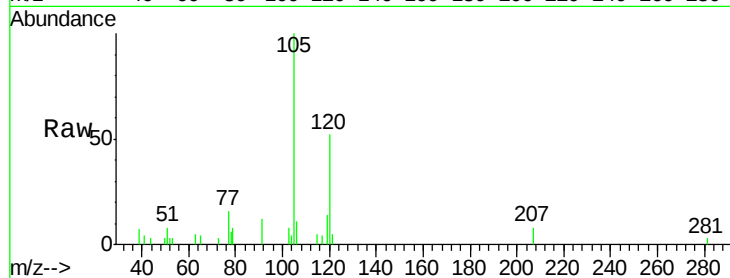
#80
 1,3,5-Trimethylbenzene
 Concen: 1.124 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.3	72.9

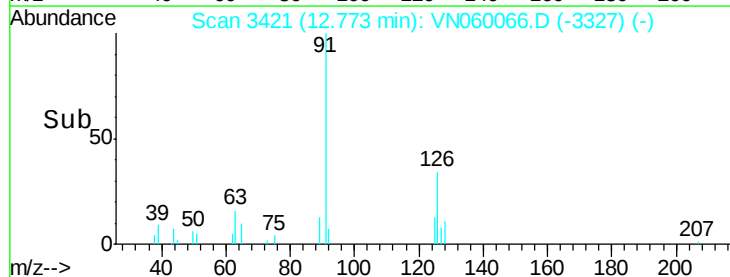
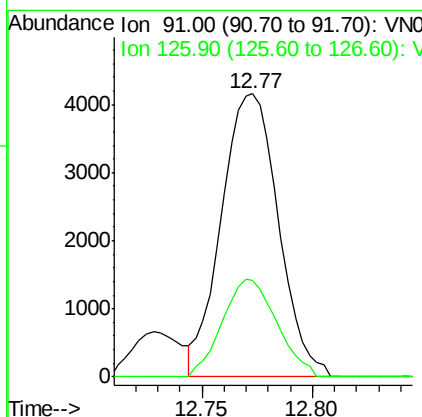
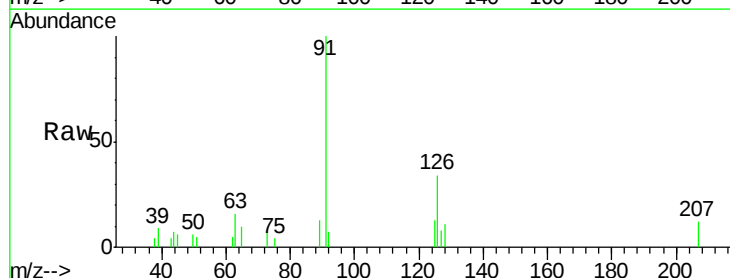
Manual Integrations
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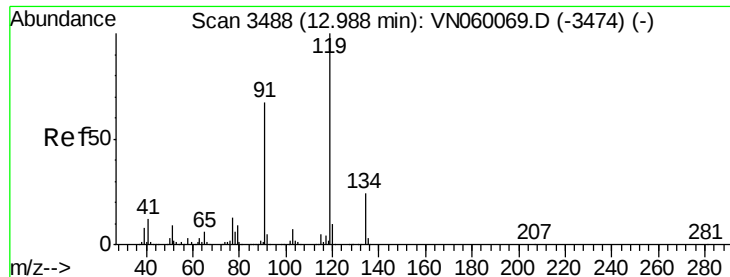
MMDadoda
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#82
 4-Chlorotoluene
 Concen: 1.144 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	17.1	51.3





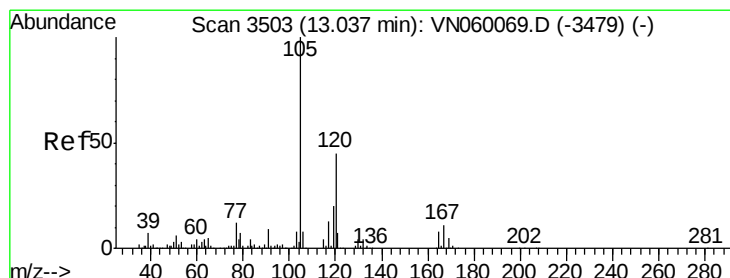
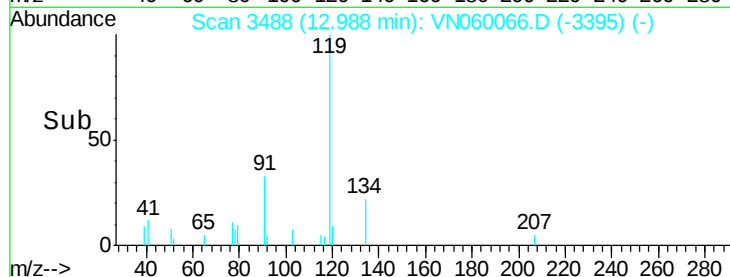
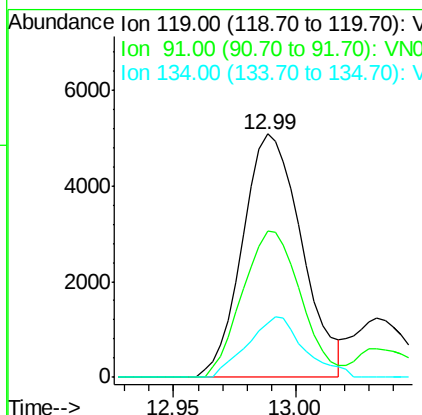
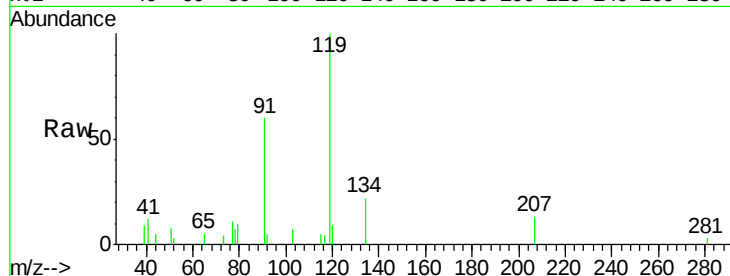
#83
 tert-Butylbenzene
 Concen: 1.204 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	32.7	98.1
134	23.6	12.9	38.7

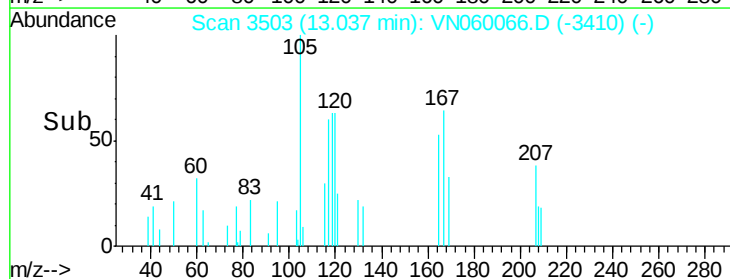
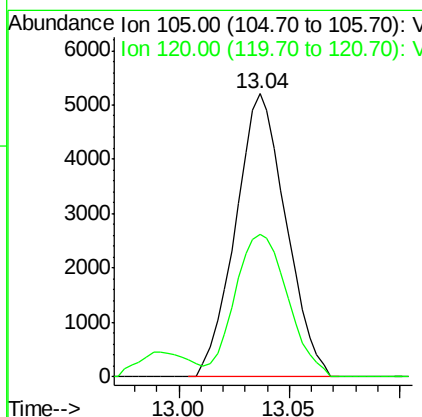
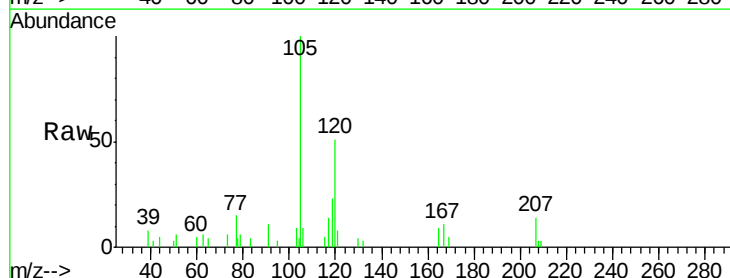
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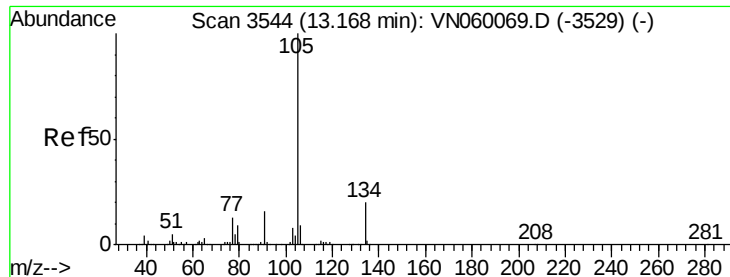
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 2/13/2020 10:36:56 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 1.068 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 1.155 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

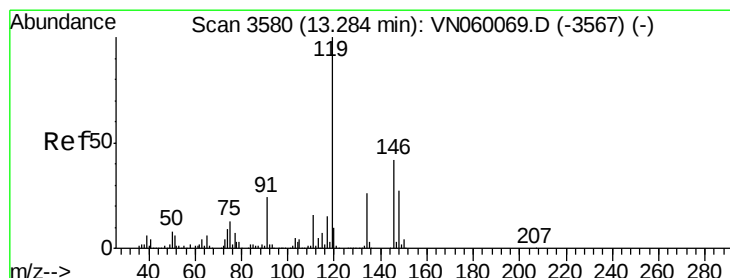
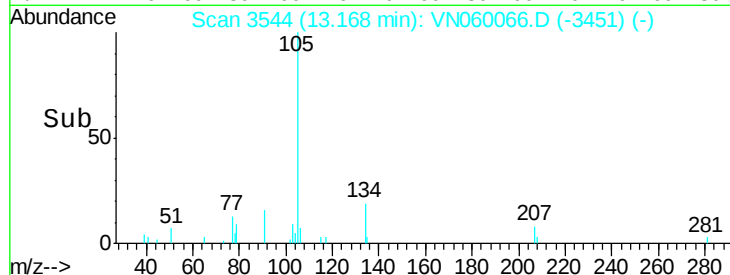
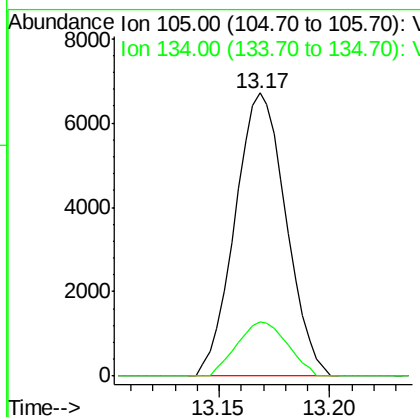
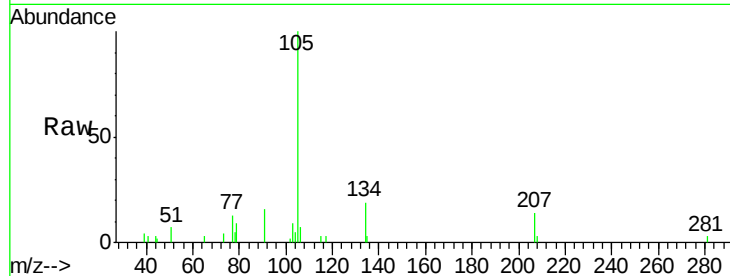
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 1.119 ug/l

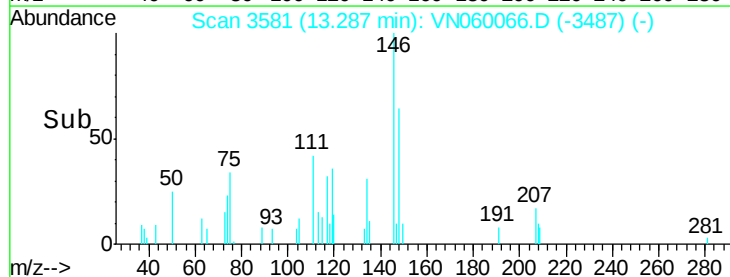
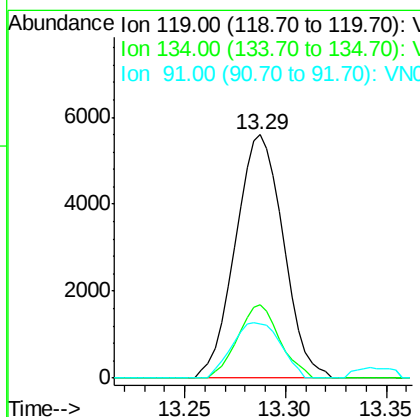
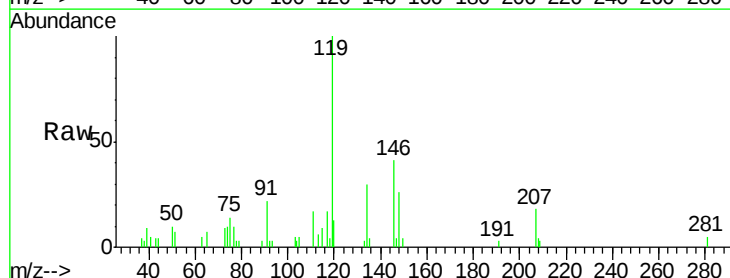
RT: 13.29 min Scan# 3581

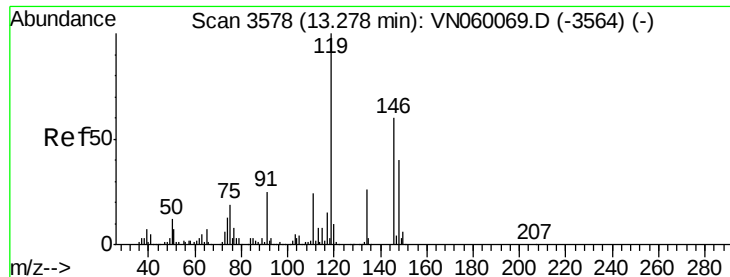
Delta R.T. 0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	23.0	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 1.089 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060066.D

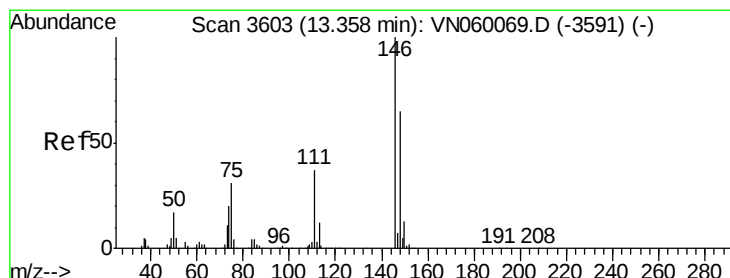
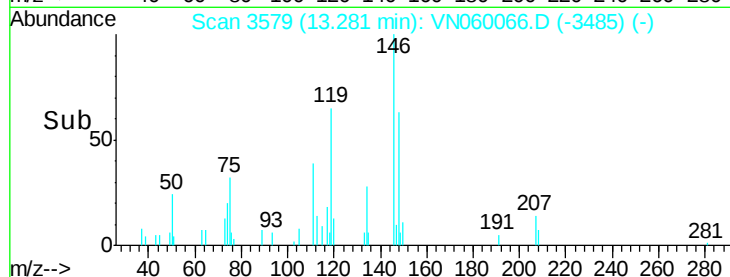
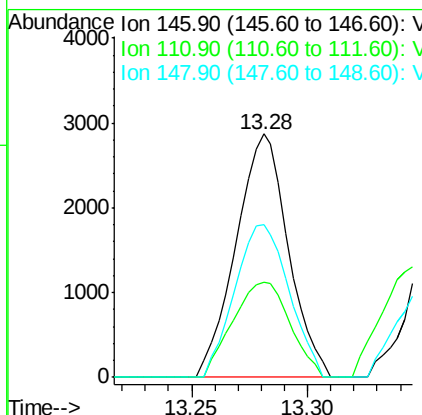
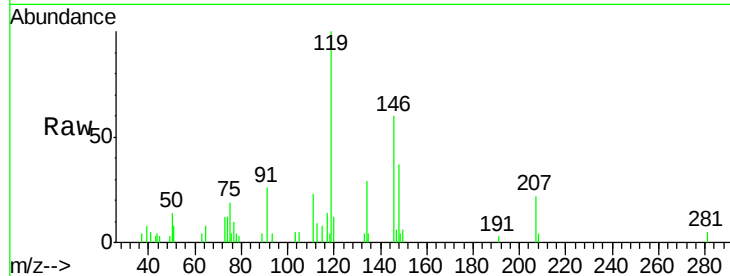
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.8	59.3
148	65.3	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 1.142 ug/l m

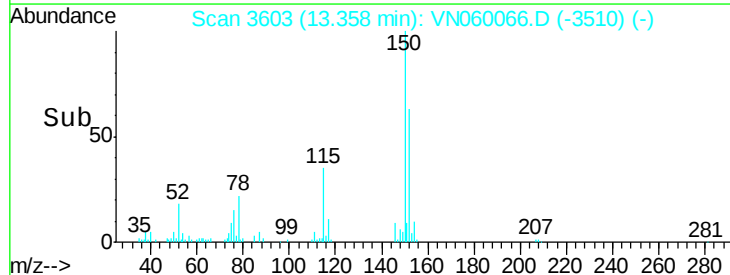
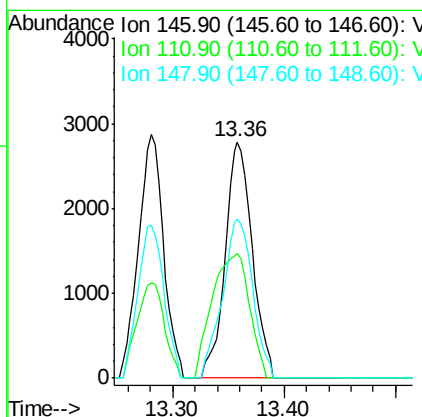
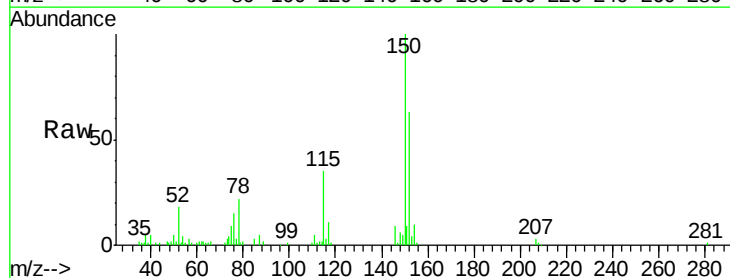
RT: 13.36 min Scan# 3603

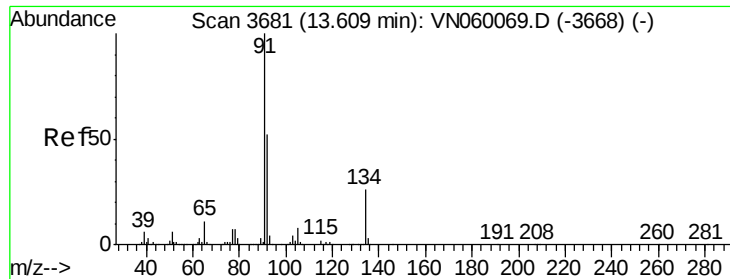
Delta R.T. -0.00 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.9	56.5
148	62.8	32.0	96.0





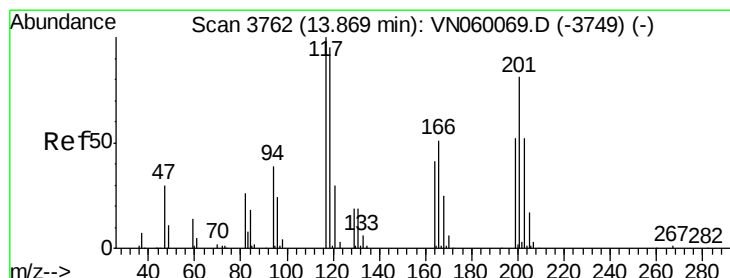
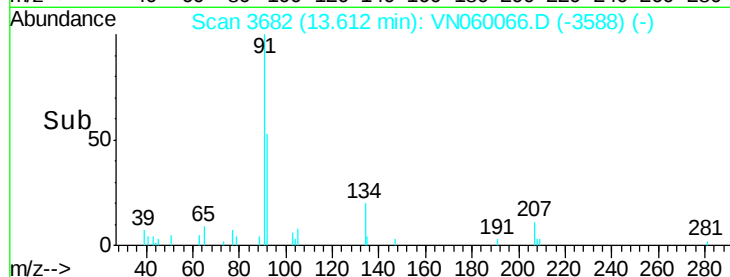
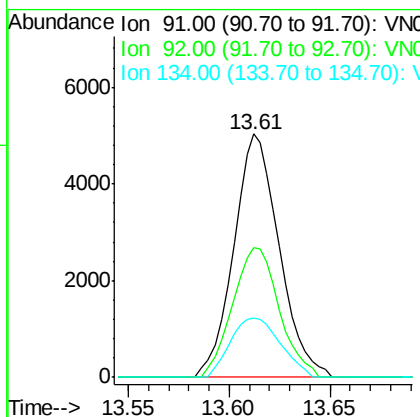
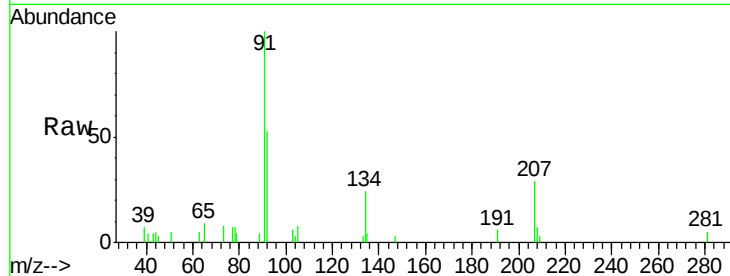
#89
n-Butylbenzene
Concen: 1.096 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	26.1	78.2
134	26.9	13.1	39.3

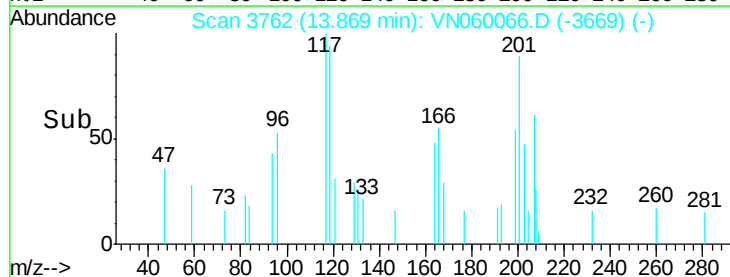
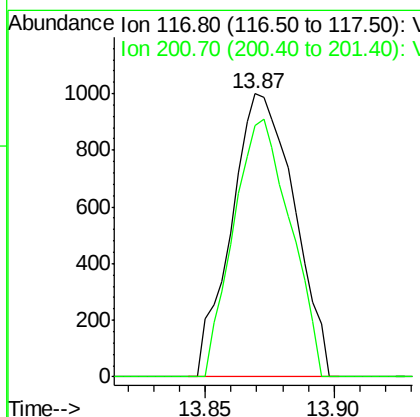
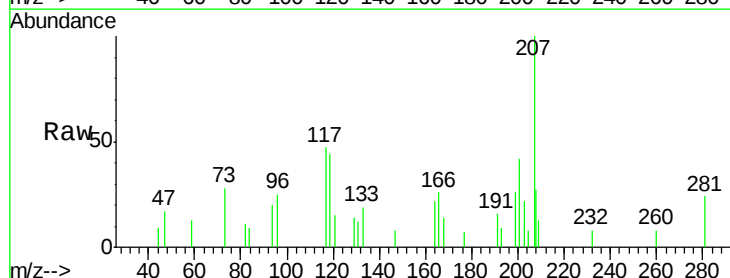
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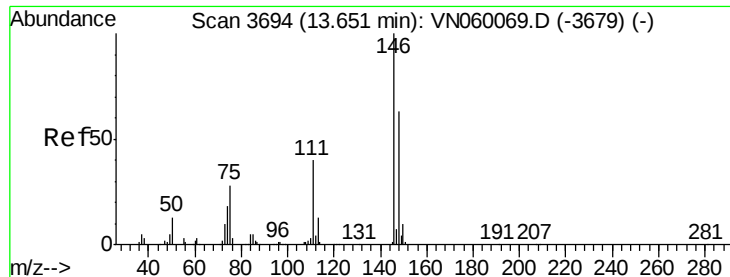
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#90
Hexachloroethane
Concen: 1.097 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	41.7	125.1





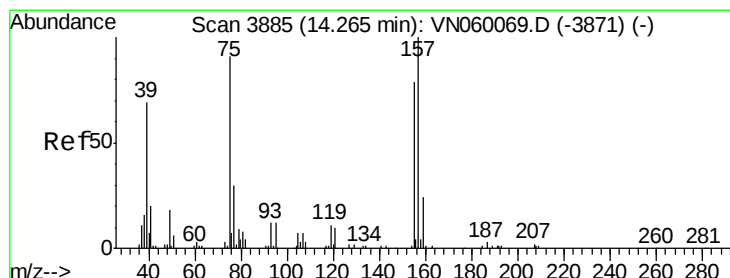
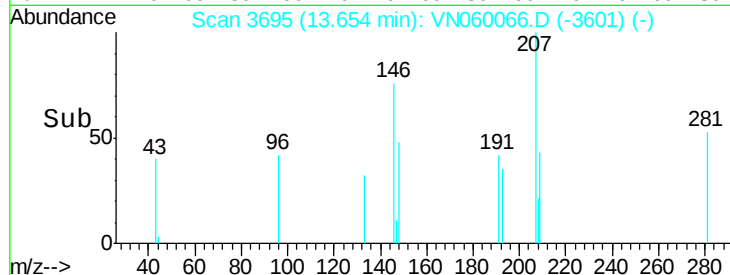
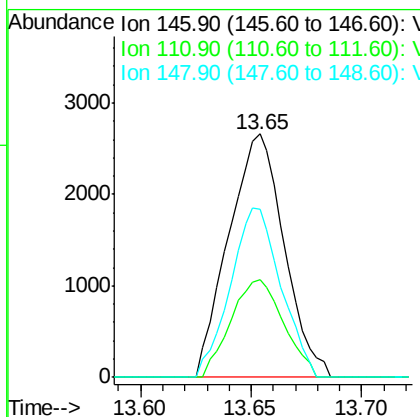
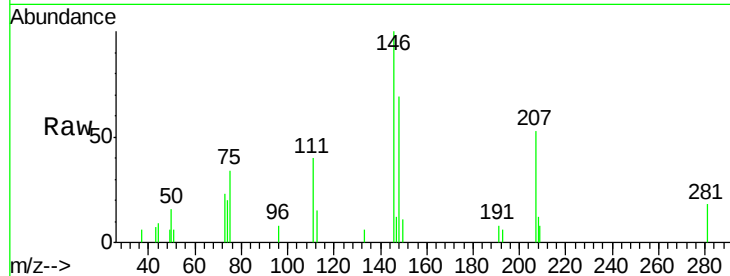
#91
 1,2-Dichlorobenzene
 Concen: 1.132 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.1	60.2
148	63.4	31.9	95.5

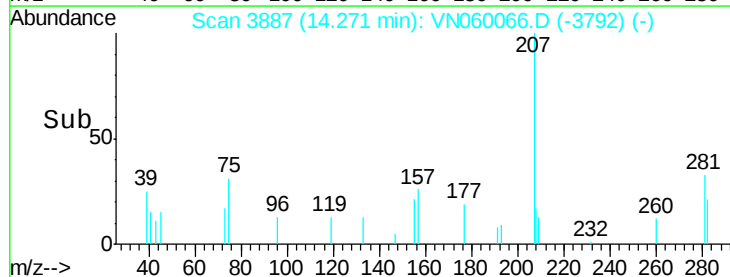
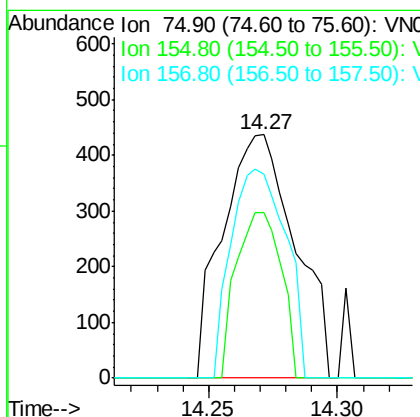
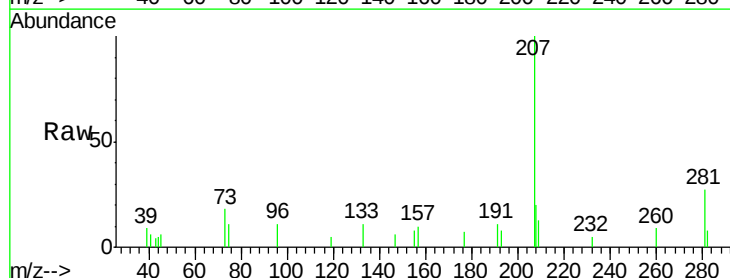
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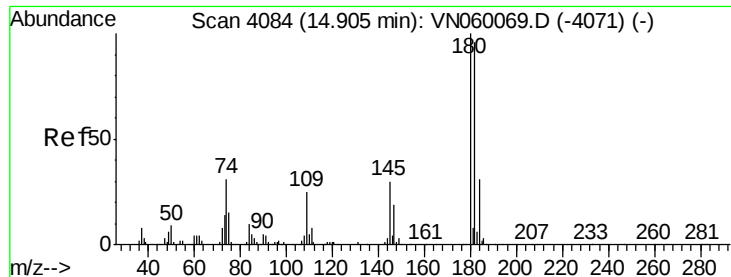
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.315 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.01 min
 Lab File: VN060066.D
 Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	42.4	43.0	129.0#
157	65.3	54.9	164.5





#93

1,2,4-Trichlorobenzene

Concen: 0.980 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN060066.D

Acq: 12 Feb 2020 11:19

Instrument :

MSVOA_N

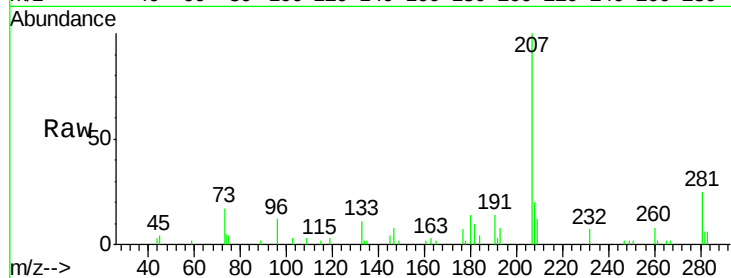
ClientSampleId :

VSTDIC001

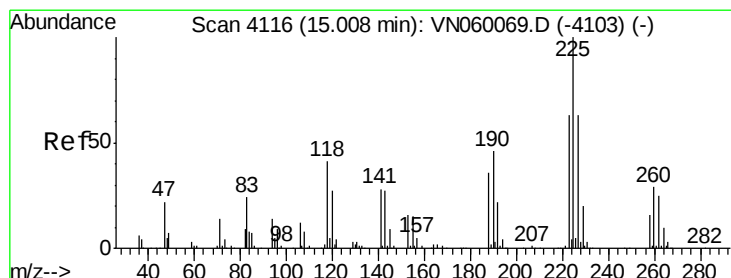
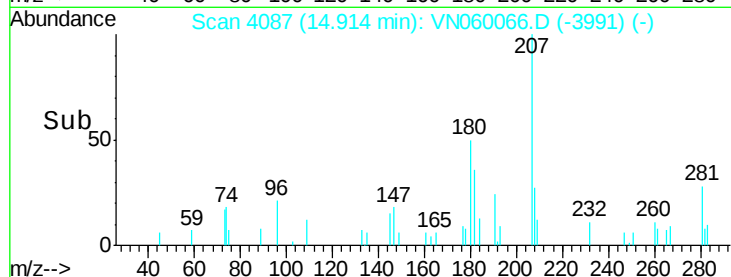
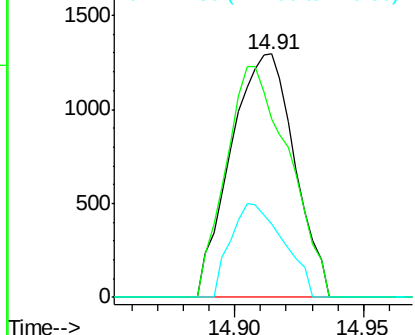
Tot Ion:	180	Resp:	2230
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.9	143.8
145	32.1	15.2	45.5

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



#94

Hexachlorobutadiene

Concen: 1.162 ug/l

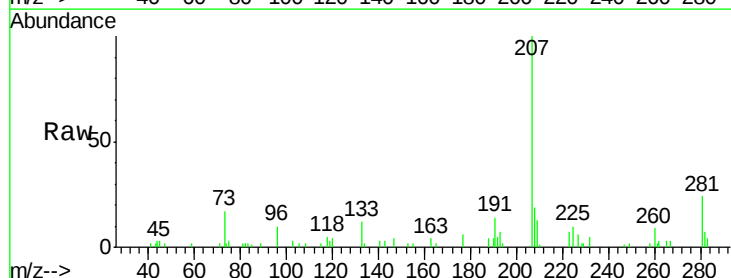
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

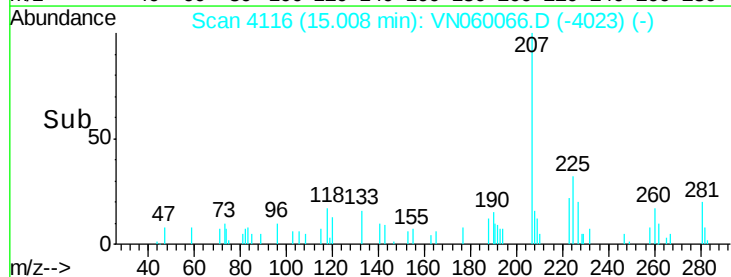
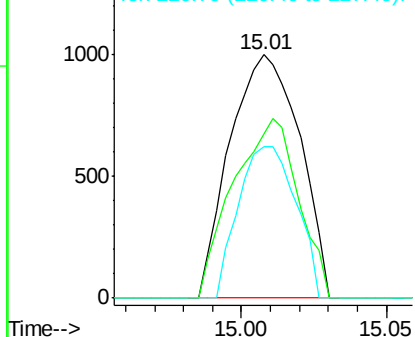
Lab File: VN060066.D

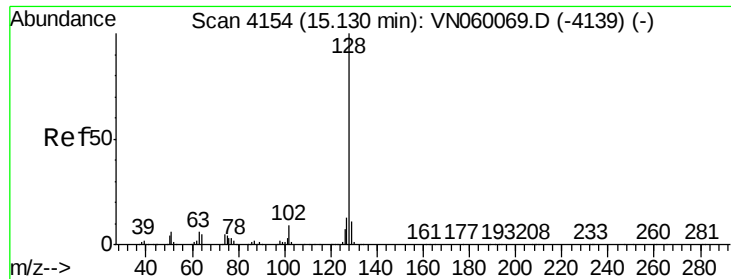
Acq: 12 Feb 2020 11:19

Tgt Ion:	225	Resp:	1668
Ion Ratio	Lower	Upper	
225	100		
223	69.1	31.5	94.5
227	51.3	31.8	95.4



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





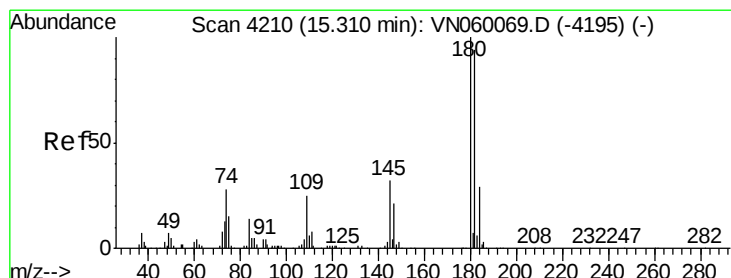
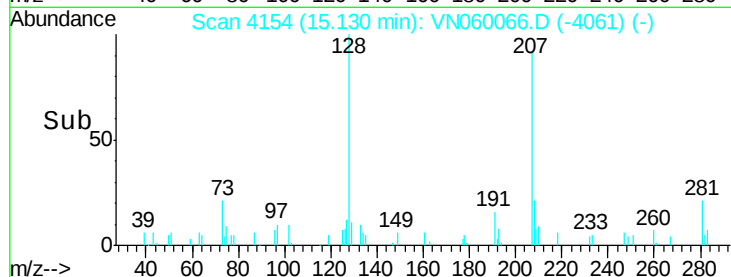
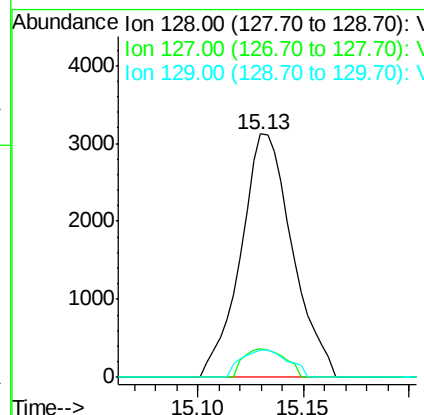
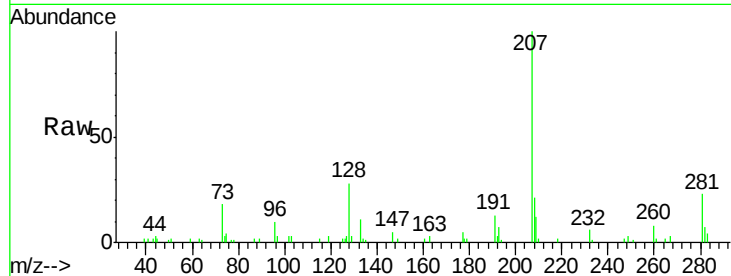
#95
Naphthalene
Concen: 0.883 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.3	15.5#
129	10.4	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 1.030 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060066.D
Acq: 12 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.5
145	34.7	16.1	48.3

