

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052492.D
 Acq On : 27 Nov 2018 21:39
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:32:26 AM

Quant Time: Nov 28 07:10:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	190481	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1113008	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	962132	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	381179	29.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.90%
60) 4-Bromofluorobenzene	12.40	95	436903	29.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.00%
63) Toluene-d8	10.09	98	1331894	29.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	189441	17.46	ug/l	97
3) Chloromethane	2.06	50	254272	17.67	ug/l	100
4) Vinyl Chloride	2.19	62	267469	18.42	ug/l	98
5) Bromomethane	2.58	94	166676	20.13	ug/l	99
6) Chloroethane	2.71	64	159151	18.43	ug/l	100
7) Trichlorofluoromethane	3.02	101	332631	18.56	ug/l	98
8) Diethyl Ether	3.41	74	123346	18.64	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203020	17.87	ug/l	98
10) 1,1-Dichloroethene	3.74	96	200888	18.81	ug/l	99
11) Methyl Iodide	3.96	142	281306	18.97	ug/l	100
12) Methyl Acetate	4.33	43	162575	17.91	ug/l	96
13) Acrolein	3.61	56	86890	81.50	ug/l	97
14) Acrylonitrile	4.99	53	354440	91.66	ug/l	99
15) Acetone	3.82	58	80969	80.85	ug/l	96
16) Carbon Disulfide	4.06	76	582460	17.22	ug/l	99
17) Allyl chloride	4.33	41	335170	17.99	ug/l	97
18) Methylene Chloride	4.55	84	230129	18.61	ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	216897	18.87	ug/l	92
20) Diisopropyl ether	5.95	45	721962	18.44	ug/l	99
21) 1,1-Dichloroethane	5.85	63	416291	18.66	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	249194	18.91	ug/l	99
23) tert-Butyl Alcohol	4.78	59	50717	88.16	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	544467	19.43	ug/l	99
25) Chloroform	7.37	83	405061	18.82	ug/l	99
26) Cyclohexane	7.65	56	375815	17.86	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	313280	18.43	ug/l	99
30) 2-Butanone	6.83	43	386309	84.94	ug/l	98
31) 2,2-Dichloropropane	6.83	77	263975	16.87	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	330287	18.68	ug/l	97
33) Carbon Tetrachloride	7.77	117	279572	18.07	ug/l	98
34) Benzene	8.04	78	948992	18.57	ug/l	99
35) Methacrylonitrile	7.17	41	100173	17.75	ug/l	95
36) 1,2-Dichloroethane	8.12	62	285269	18.42	ug/l	99
37) Trichloroethene	8.83	130	242083	18.68	ug/l	99
38) Methylcyclohexane	9.08	83	370798	17.62	ug/l	97
39) 1,2-Dichloropropane	9.12	63	250161	18.26	ug/l	99
40) Dibromomethane	9.21	93	139459	18.84	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	294015	17.98	ug/l	100
42) Vinyl Acetate	5.90	43	2205370	89.62	ug/l	99
43) Ethyl Acetate	6.93	43	179139	18.52	ug/l #	71
44) Isopropyl Acetate	8.16	43	317233	18.70	ug/l #	77
45) 1,4-Dioxane	9.20	88	31264	336.94	ug/l	97
46) Methyl methacrylate	9.20	41	163857	18.61	ug/l	96
47) n-amyl Acetate	12.07	43	245211	17.44	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	280412	17.68	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	342623	17.73	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	200991	19.16	ug/l	98
51) Ethyl methacrylate	10.43	69	242951	18.44	ug/l	97
52) 1,3-Dichloropropane	10.71	76	341536	18.29	ug/l	100
53) Dibromochloromethane	10.90	129	209019	18.09	ug/l	98
54) 1,2-Dibromoethane	11.01	107	193128	18.84	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	720505	93.40	ug/l	99
56) Bromoform	12.13	173	133801	17.72	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	871902	93.48	ug/l	99
59) 2-Hexanone	10.75	43	562767	88.32	ug/l	98
61) Tetrachloroethene	10.63	164	234140	19.76	ug/l	97
62) Toluene	10.16	91	1041155	19.63	ug/l	100
64) Chlorobenzene	11.43	112	618574	19.11	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	210889	18.77	ug/l	99
66) Ethyl Benzene	11.51	91	1078558	18.87	ug/l	99
67) m/p-Xylenes	11.62	106	821951	38.59	ug/l	100
68) o-Xylene	11.95	106	402325	19.46	ug/l	98
69) Styrene	11.96	104	630731	18.90	ug/l	100
70) Isopropylbenzene	12.25	105	1045572	19.01	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	227648	19.03	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	194985m	18.99	ug/l	
73) Bromobenzene	12.53	156	258191	19.41	ug/l	95
74) n-propylbenzene	12.59	91	1182628	18.46	ug/l	100
75) 2-Chlorotoluene	12.68	91	712826	19.16	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	851383	19.17	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	54354	16.75	ug/l	95
78) 4-Chlorotoluene	12.77	91	688429	18.53	ug/l	99
79) tert-butylbenzene	12.99	119	747729	19.33	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	855791	19.25	ug/l	99
81) sec-Butylbenzene	13.17	105	1010580	18.75	ug/l	100
82) p-Isopropyltoluene	13.29	119	855263	18.64	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	435441	18.61	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	421373	18.64	ug/l	100
85) n-Butylbenzene	13.62	91	692163	17.56	ug/l	100
86) Hexachloroethane	13.88	117	137508	17.69	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	426097	19.14	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31808	18.98	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	199159	18.16	ug/l	98
90) Hexachlorobutadiene	15.01	225	136687	19.00	ug/l	99
91) Naphthalene	15.14	128	410833	18.55	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	188103	18.61	ug/l	98

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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

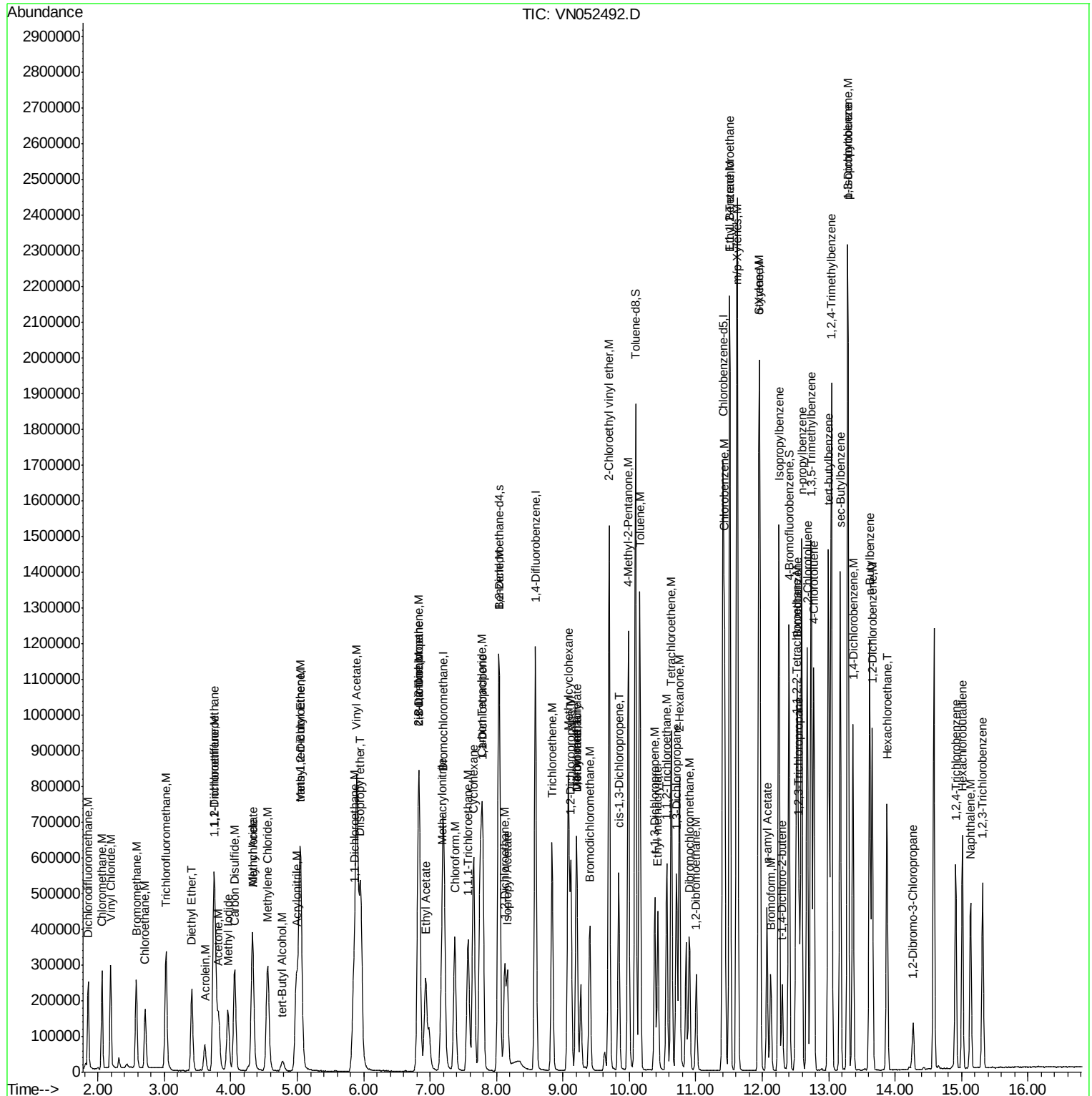
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
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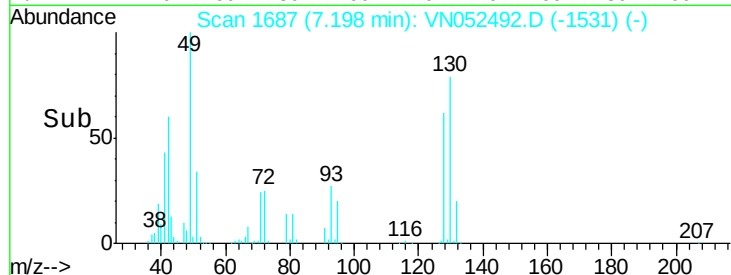
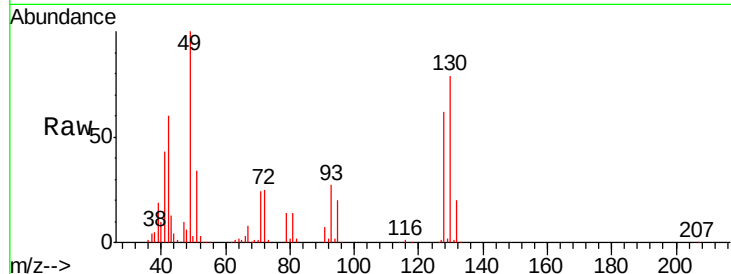
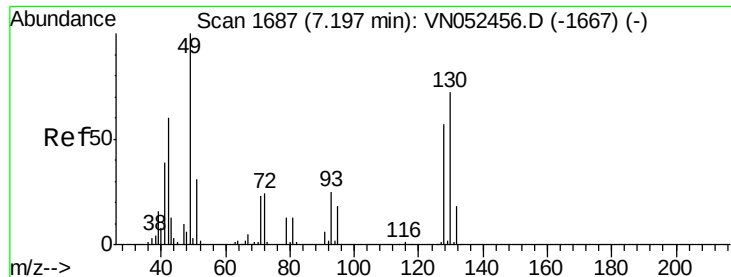
Instrument :
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052492.D

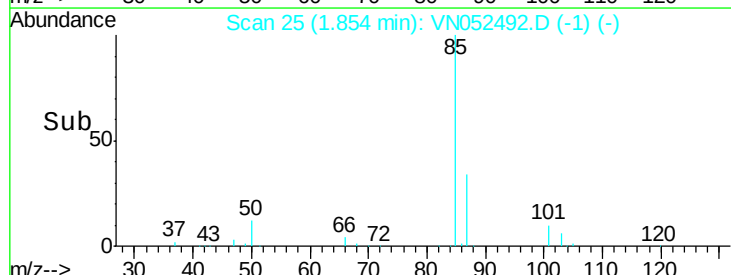
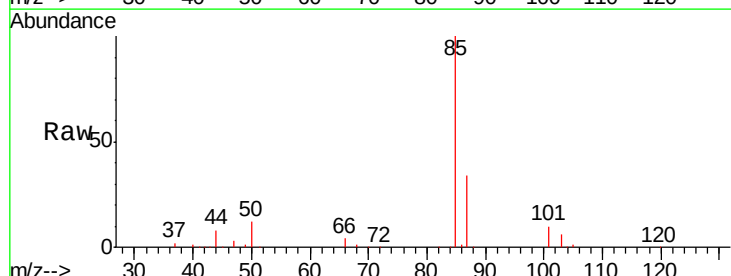
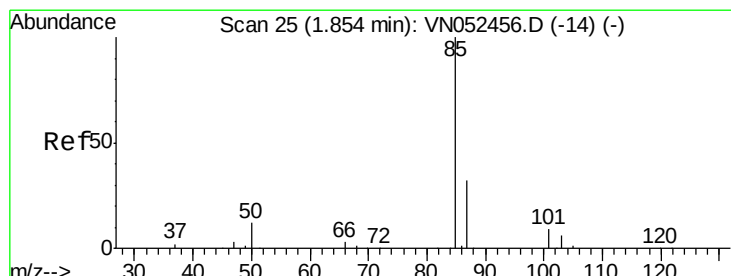
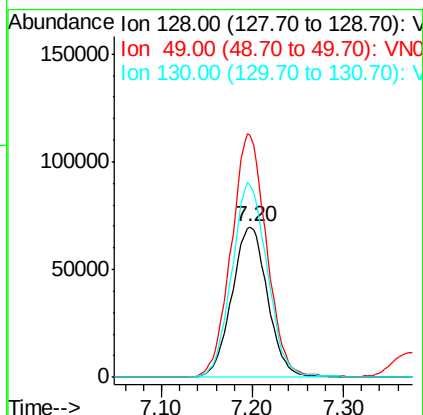
Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	190481		
49	159.9	0.0	431.8	
130	127.6	0.0	317.0	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 17.46 ug/l

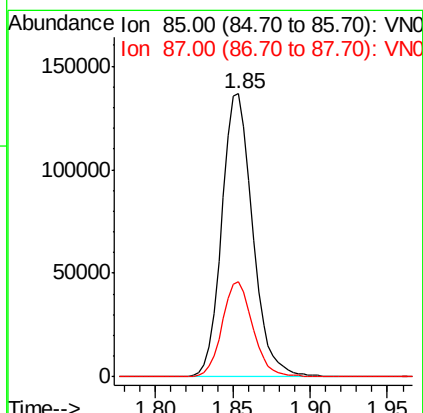
RT: 1.85 min Scan# 25

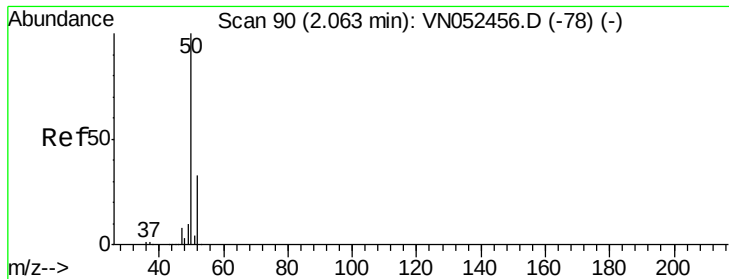
Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	189441		
87	33.7	16.1	48.3	





#3

Chloromethane

Concen: 17.67 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 254272

Ion Ratio Lower Upper

50 100

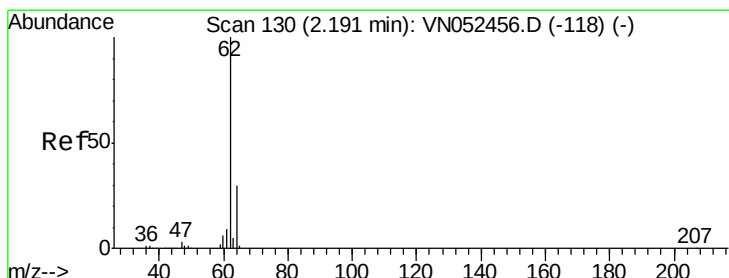
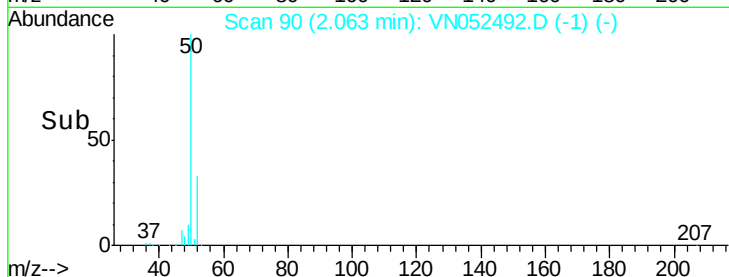
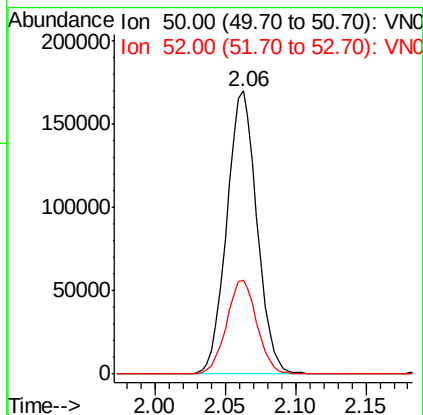
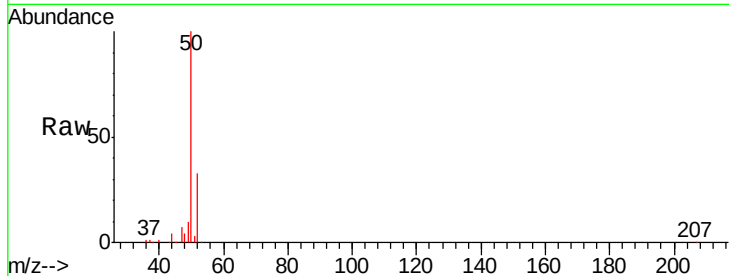
52 33.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.42 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052492.D

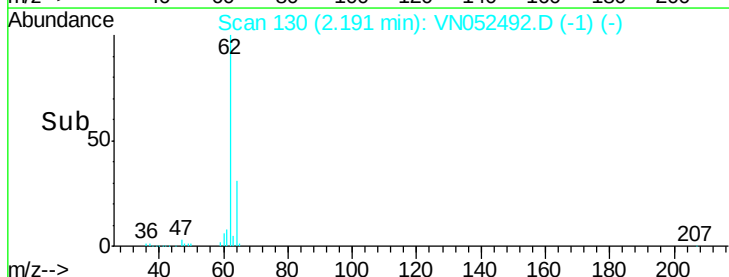
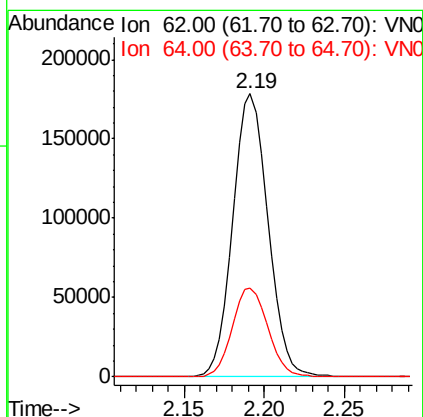
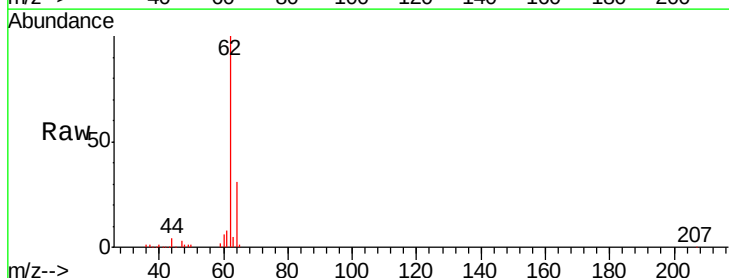
Acq: 27 Nov 2018 21:39

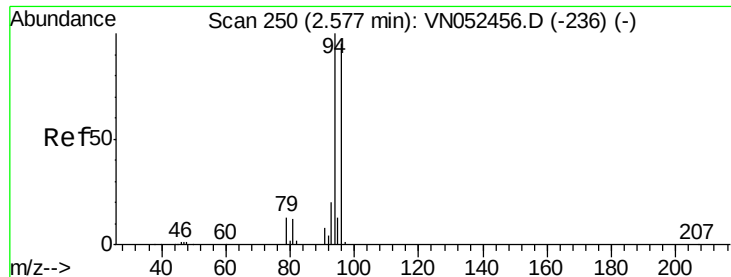
Tgt Ion: 62 Resp: 267469

Ion Ratio Lower Upper

62 100

64 31.5 24.2 36.4





#5

Bromomethane

Concen: 20.13 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 94 Resp: 166676

Ion Ratio Lower Upper

94 100

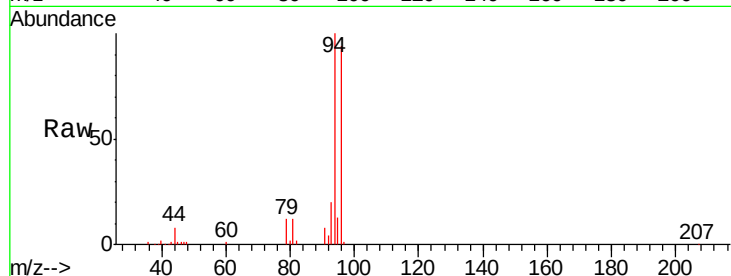
96 94.3 76.2 114.2

Manual Integrations

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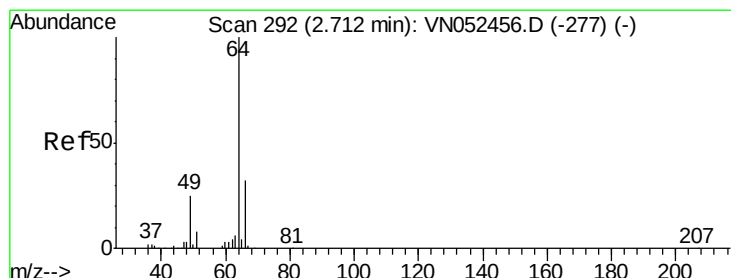
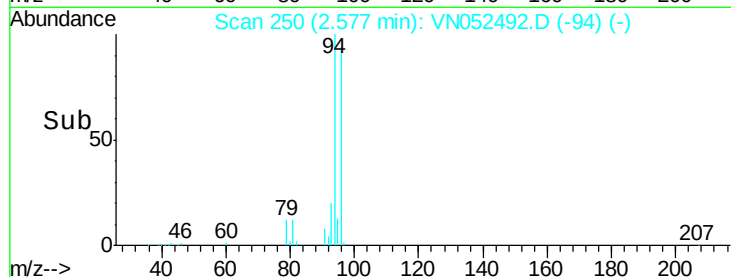
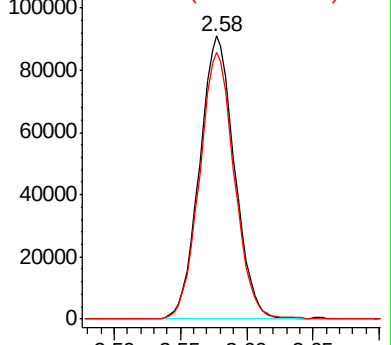
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.43 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052492.D

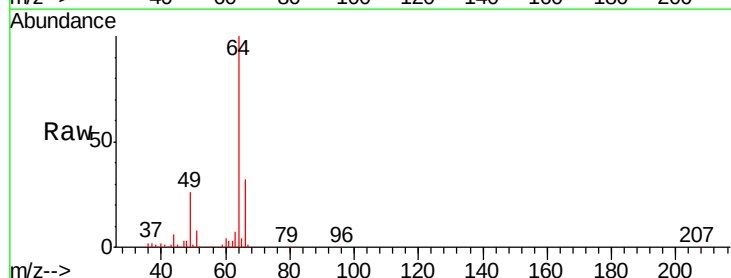
Acq: 27 Nov 2018 21:39

Tgt Ion: 64 Resp: 159151

Ion Ratio Lower Upper

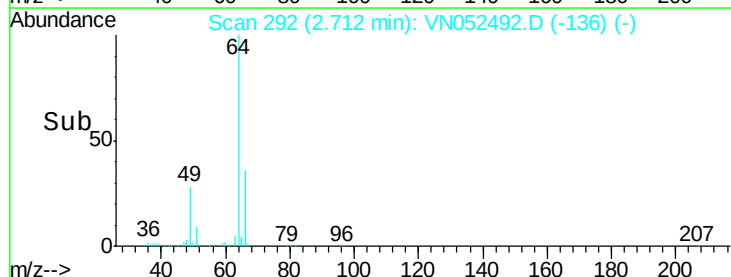
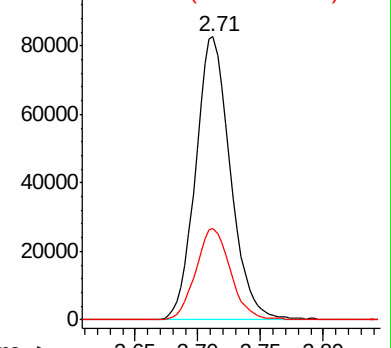
64 100

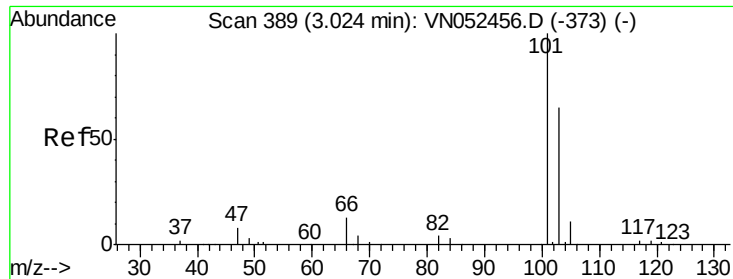
66 32.2 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 18.56 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN052492.D

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Tgt Ion: 101 Resp: 332631

Ion Ratio Lower Upper

101 100

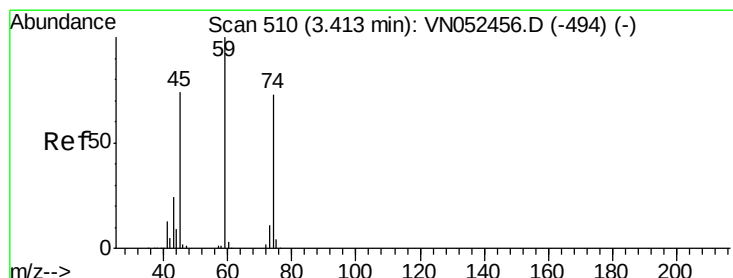
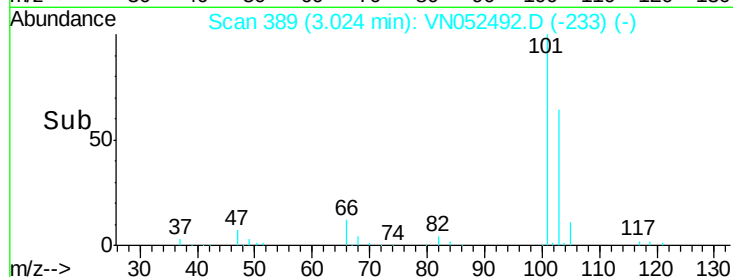
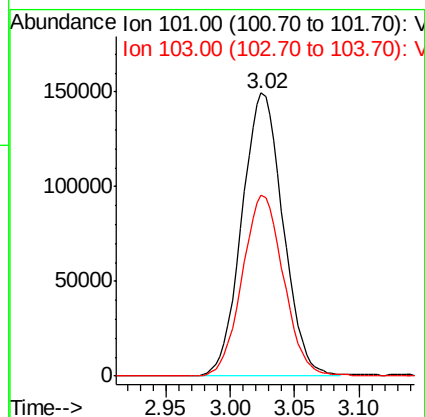
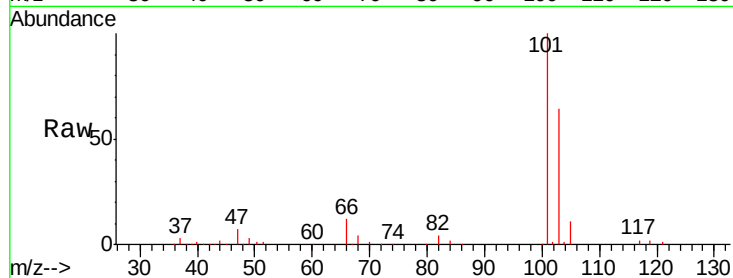
103 63.7 52.1 78.1

Manual Integrations

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#8

Diethyl Ether

Concen: 18.64 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN052492.D

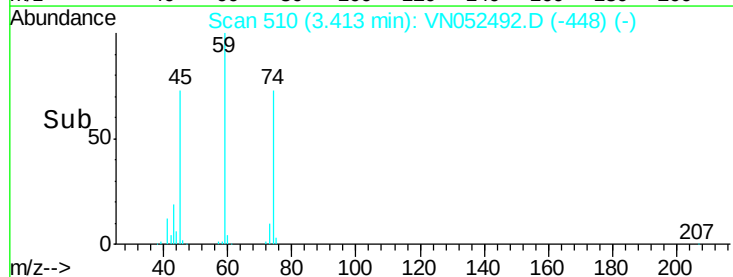
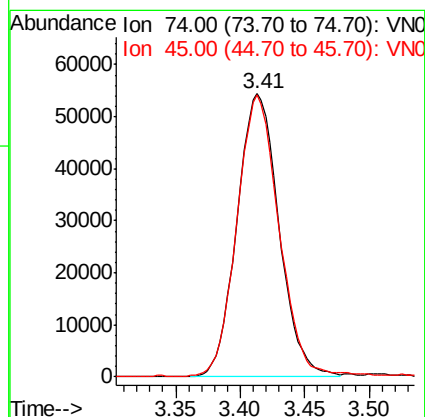
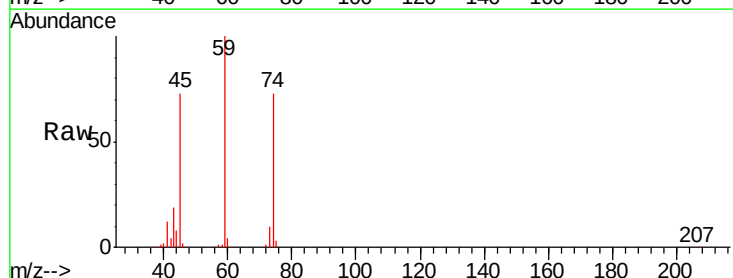
Acq: 27 Nov 2018 21:39

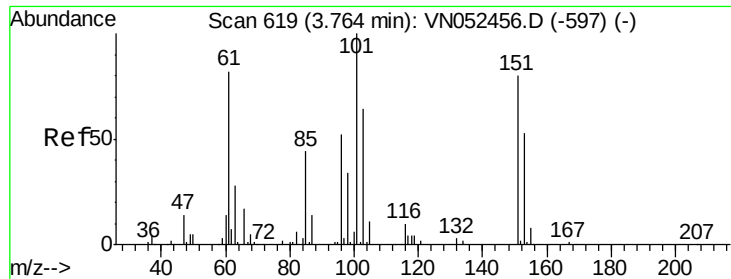
Tgt Ion: 74 Resp: 123346

Ion Ratio Lower Upper

74 100

45 98.3 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.87 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052492.D

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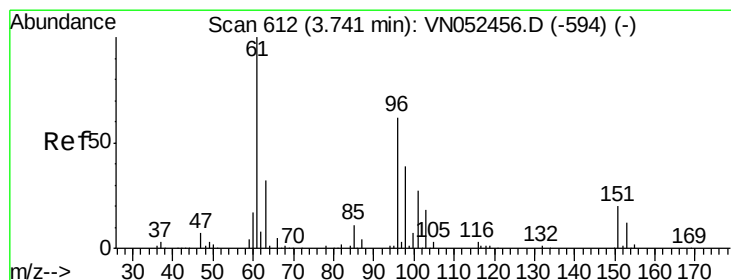
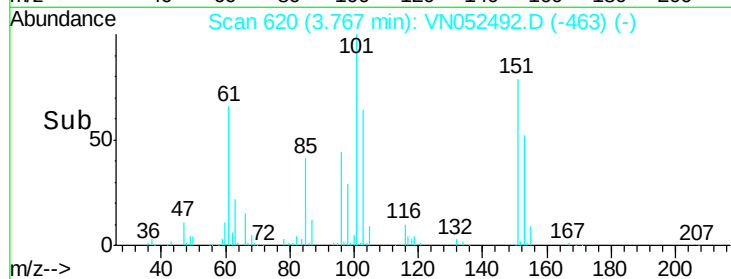
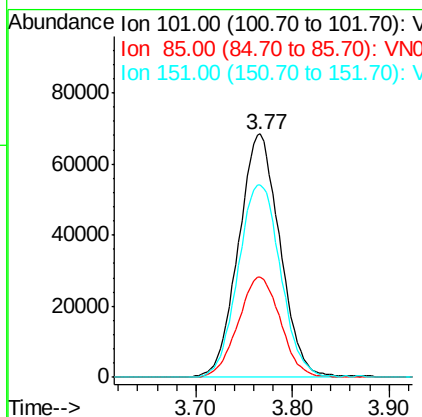
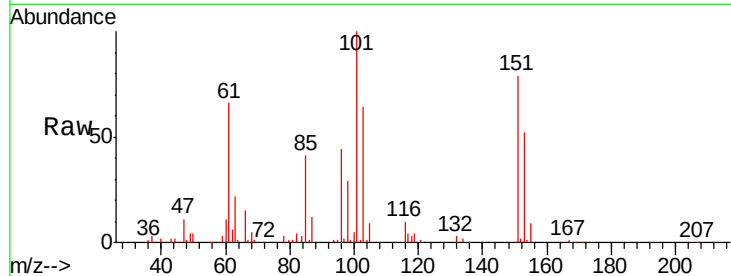
ClientSampleId :

VSTDCCC020

Tgt Ion:	101	Resp:	203020
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	82.6
151	81.4	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 18.81 ug/l

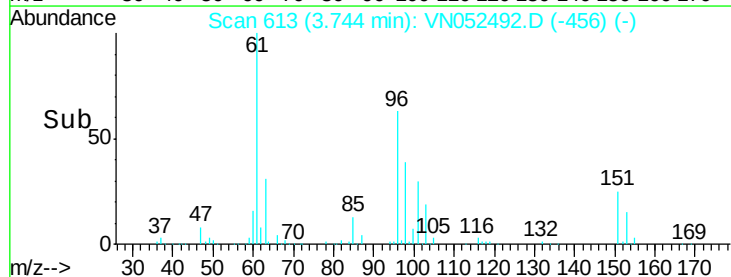
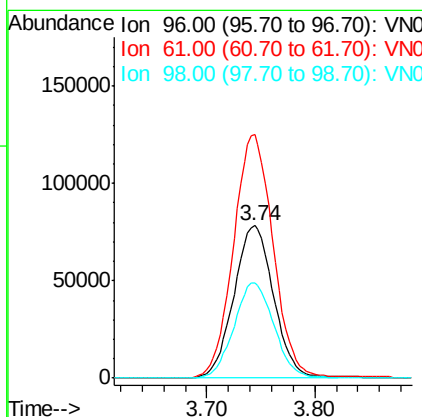
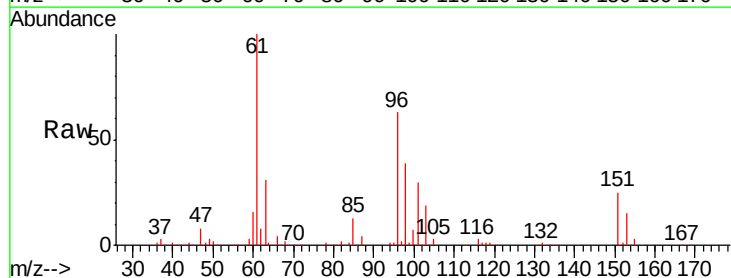
RT: 3.74 min Scan# 613

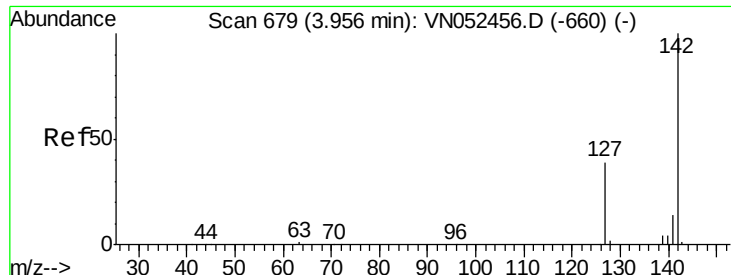
Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion:	96	Resp:	200888
Ion Ratio	Lower	Upper	
96	100		
61	159.7	129.4	194.2
98	62.3	50.4	75.6





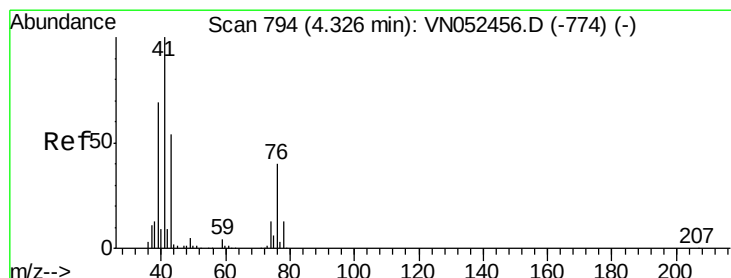
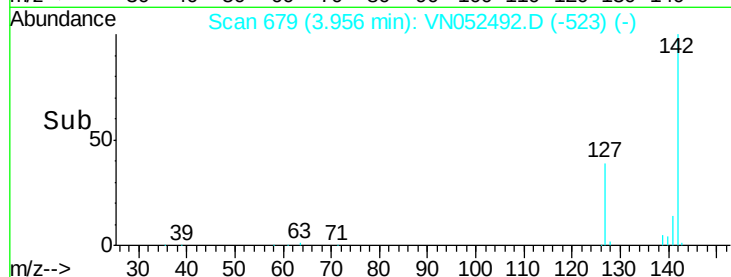
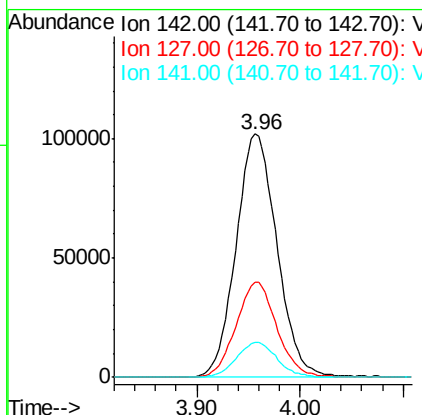
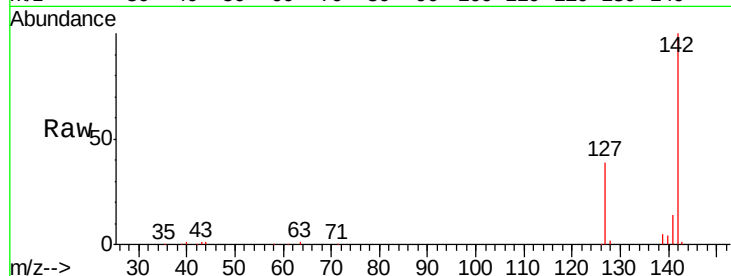
#11
Methyl Iodide
Concen: 18.97 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.9	19.4	58.1
141	14.3	7.2	21.6

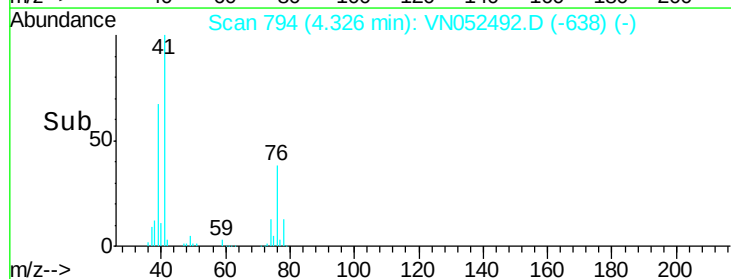
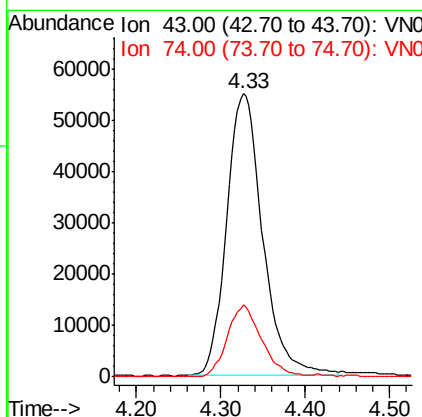
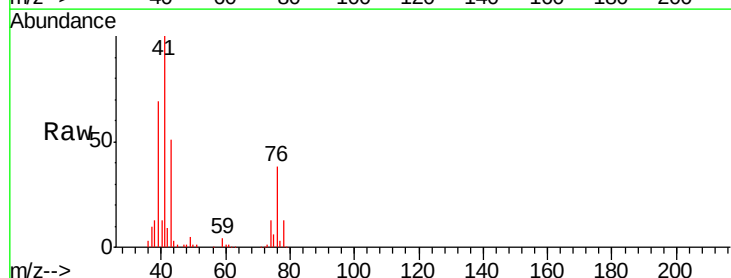
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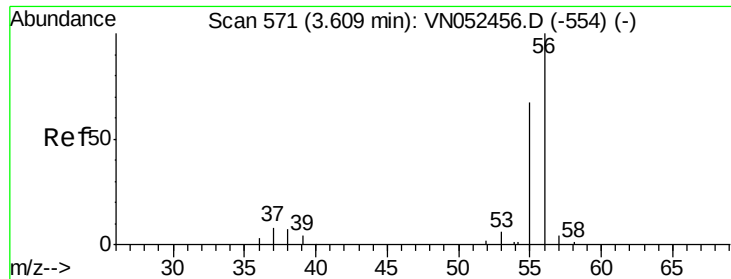
MMDadoda
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#12
Methyl Acetate
Concen: 17.91 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	18.9	28.3





#13

Acrolein

Concen: 81.50 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 56 Resp: 86890

Ion Ratio Lower Upper

56 100

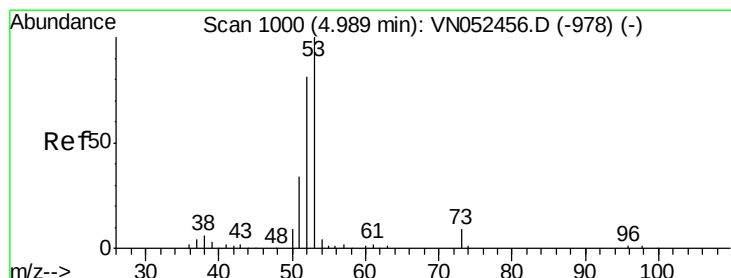
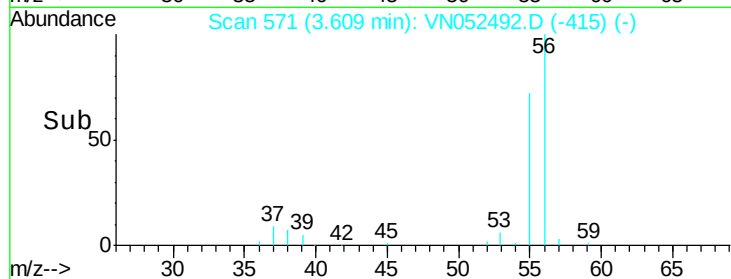
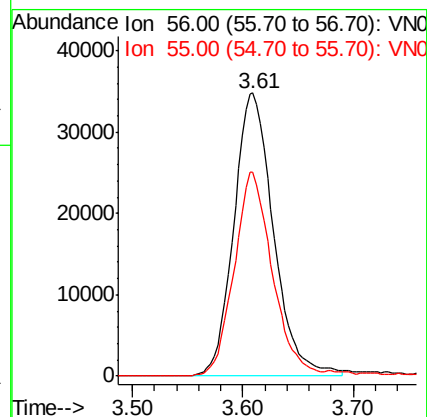
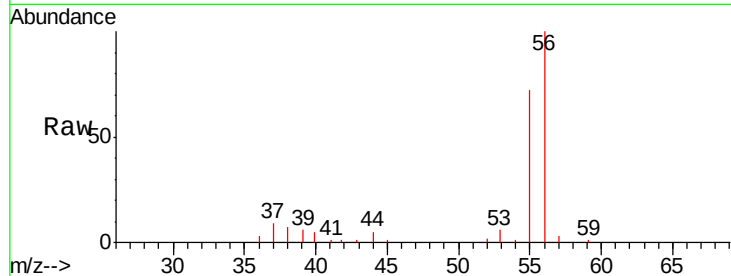
55 68.8 56.7 85.1

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#14

Acrylonitrile

Concen: 91.66 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

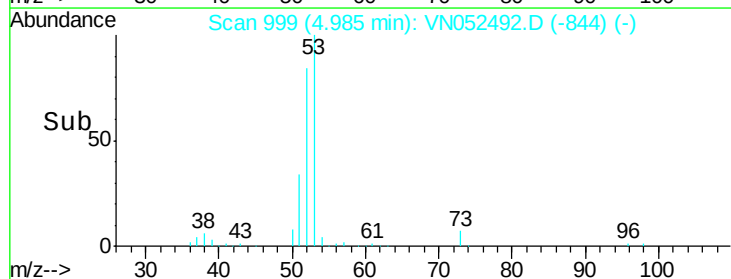
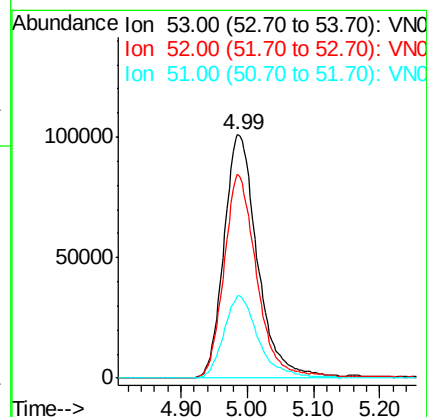
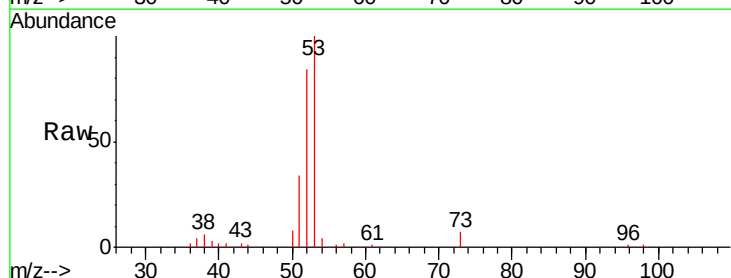
Tgt Ion: 53 Resp: 354440

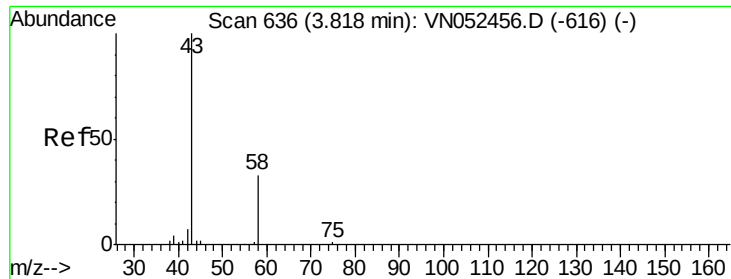
Ion Ratio Lower Upper

53 100

52 81.0 39.9 119.7

51 34.8 17.6 52.9





#15

Acetone

Concen: 80.85 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 80969

Ion Ratio Lower Upper

58 100

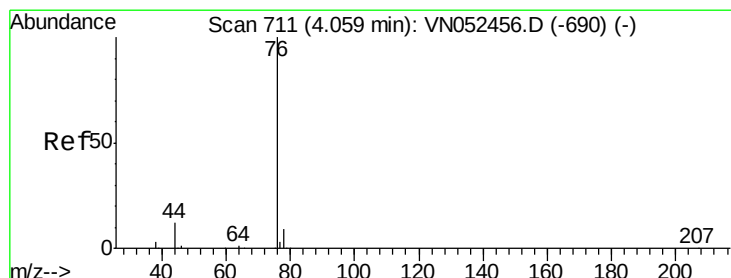
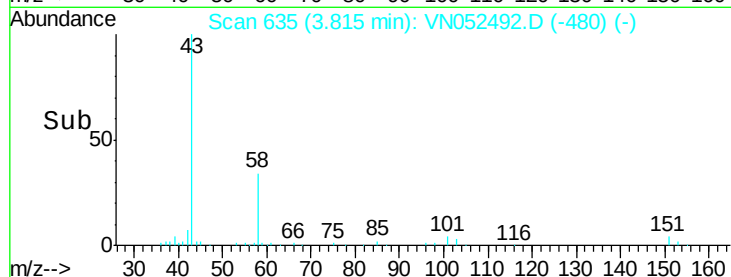
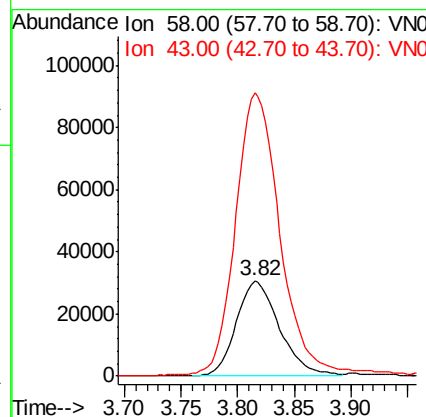
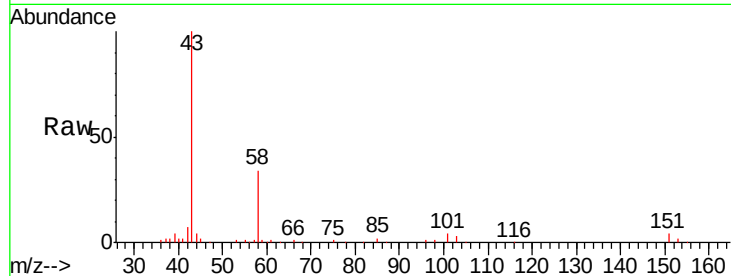
43 295.6 243.6 365.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.22 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052492.D

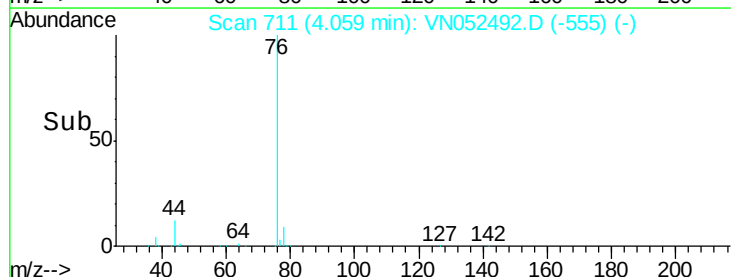
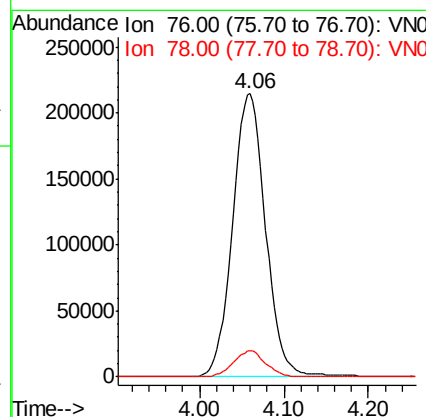
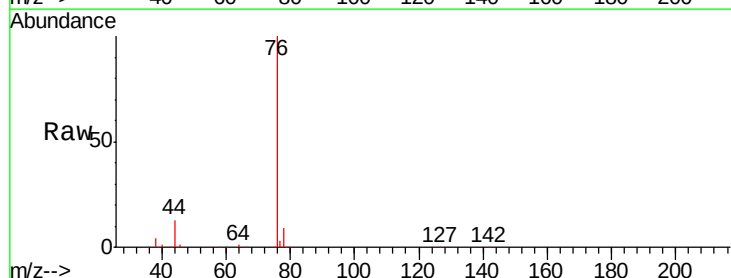
Acq: 27 Nov 2018 21:39

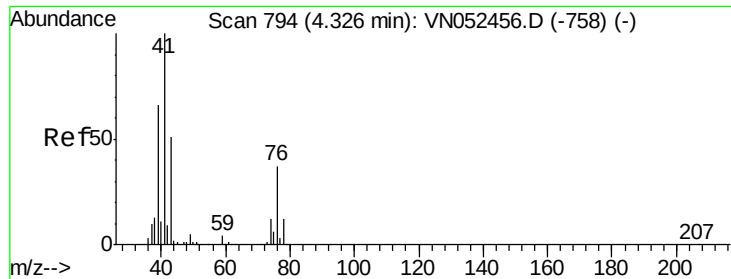
Tgt Ion: 76 Resp: 582460

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





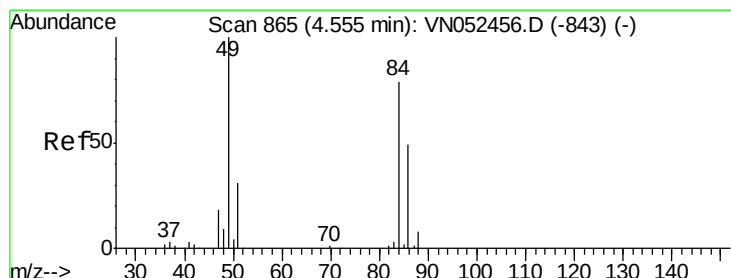
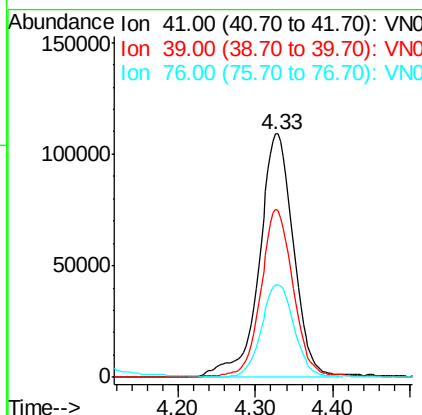
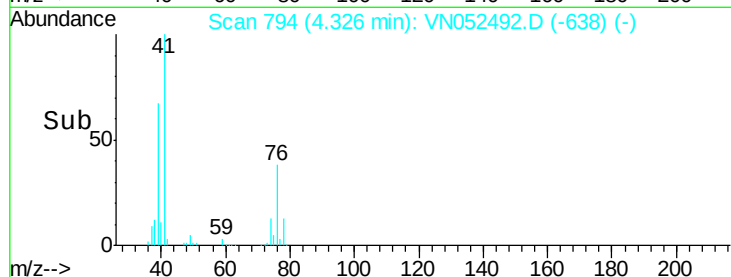
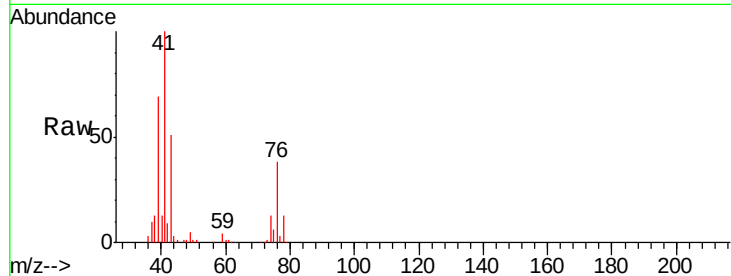
#17
 Allyl chloride
 Concen: 17.99 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.2	32.8	98.3
76	37.4	18.6	55.8

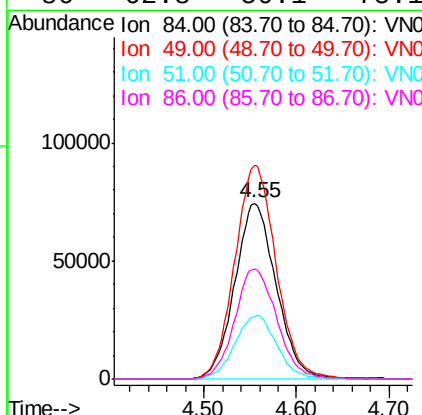
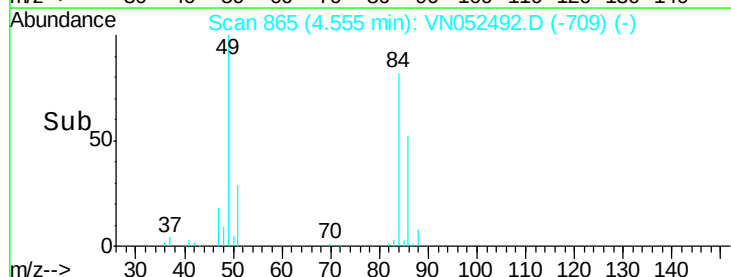
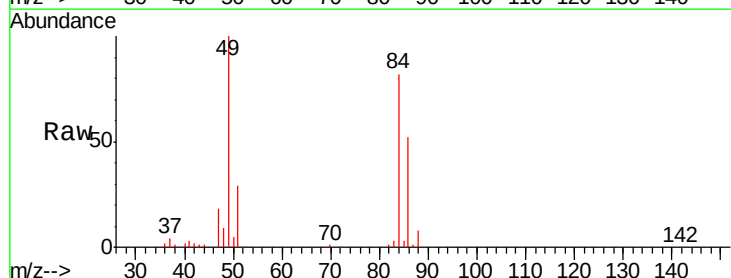
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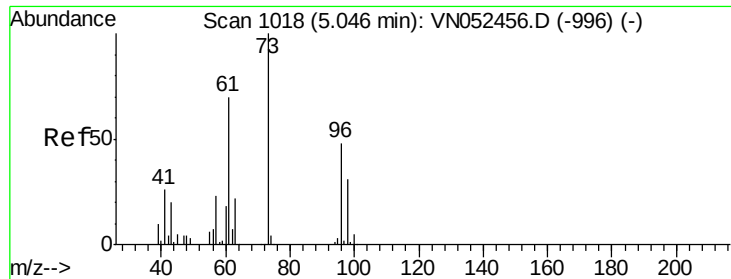
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#18
 Methylene Chloride
 Concen: 18.61 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.4	101.4	152.0
51	35.8	31.7	47.5
86	62.8	50.1	75.1





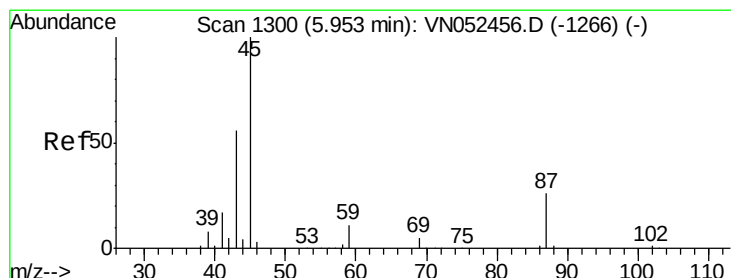
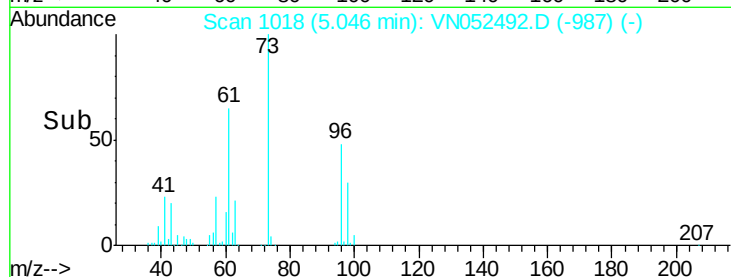
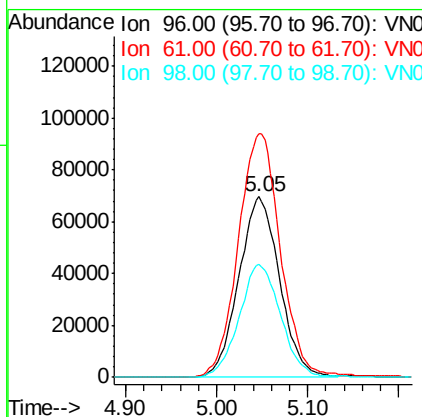
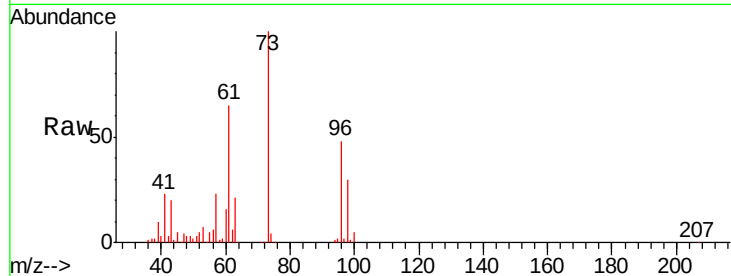
#19
trans-1,2-Dichloroethene
Concen: 18.87 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 96 Resp: 216897
Ion Ratio Lower Upper
96 100
61 134.8 118.2 177.4
98 62.6 51.4 77.2

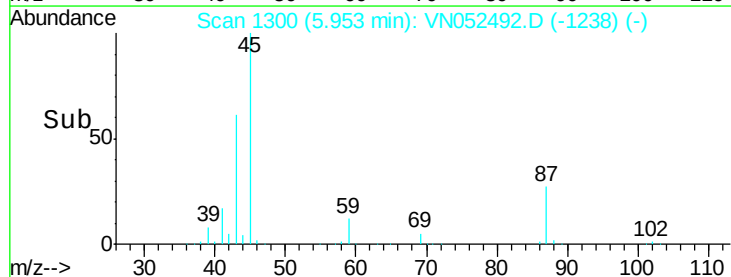
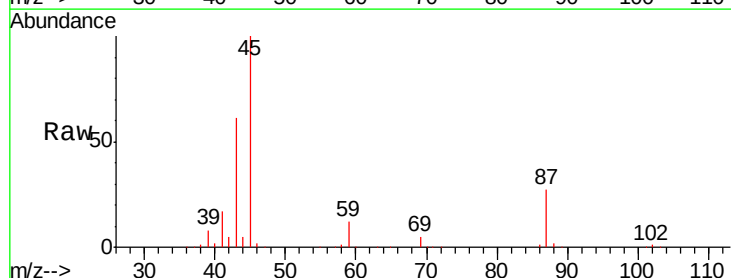
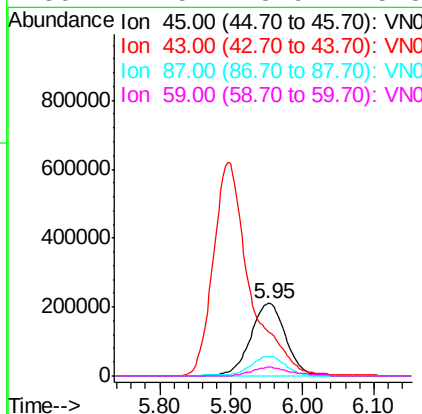
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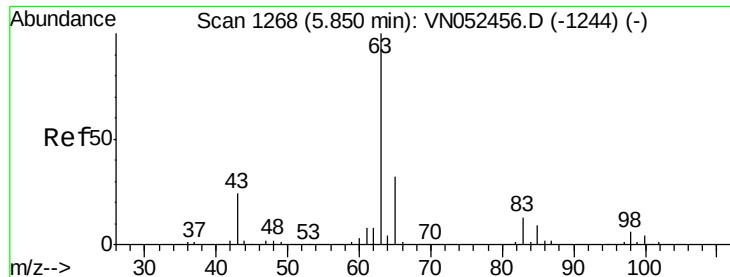
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#20
Diisopropyl ether
Concen: 18.44 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion: 45 Resp: 721962
Ion Ratio Lower Upper
45 100
43 58.7 47.8 71.8
87 26.9 21.3 31.9
59 11.5 8.9 13.3





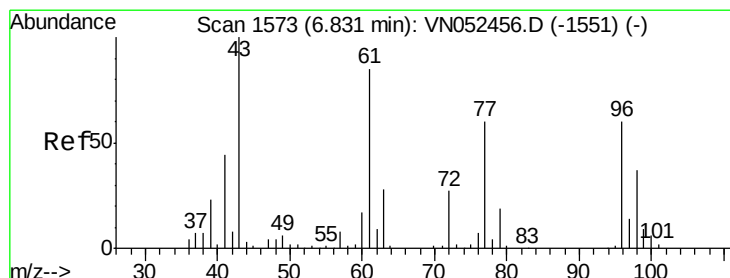
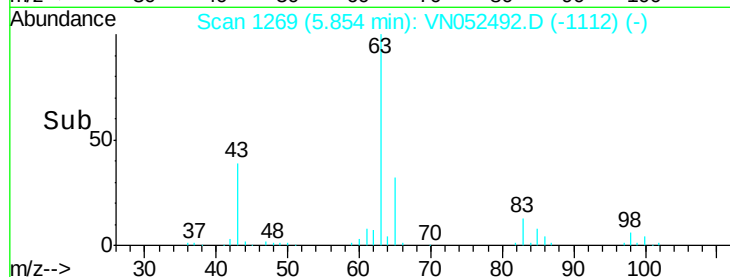
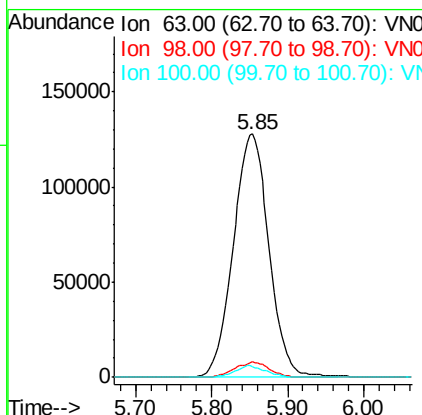
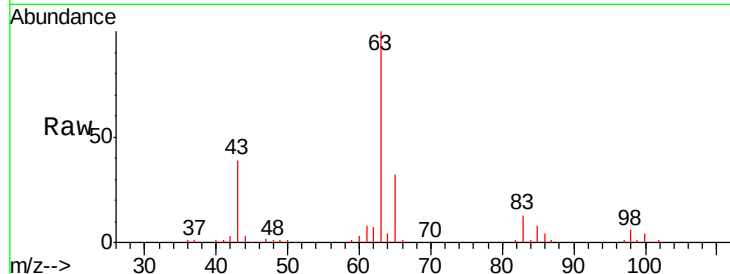
#21
 1,1-Dichloroethane
 Concen: 18.66 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	416291		
98	6.3	3.0	9.2	
100	4.4	1.8	5.5	

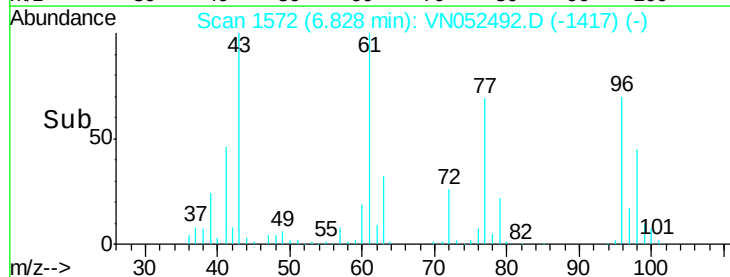
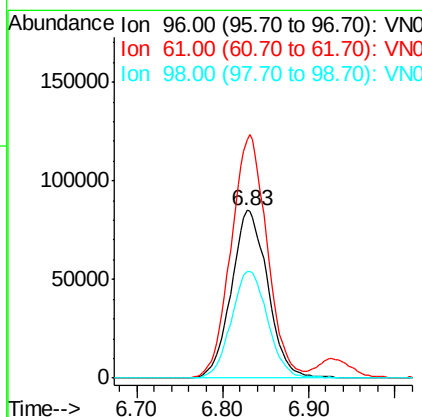
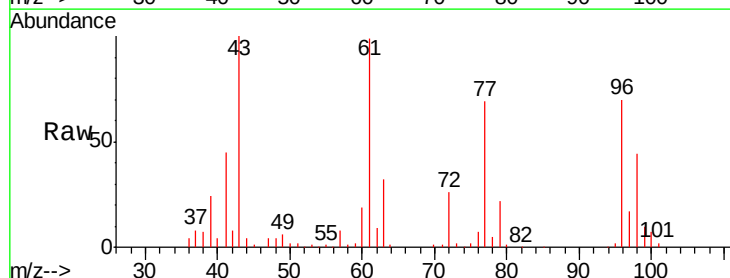
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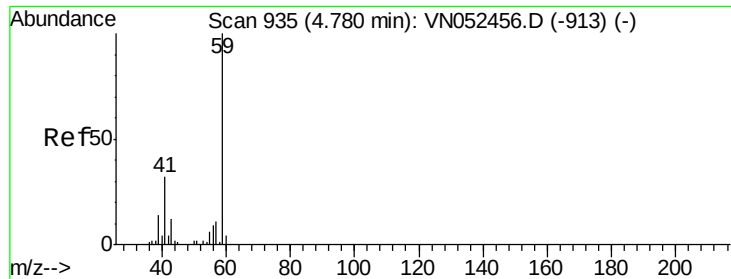
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 11/28/2018 9:32:26 AM



#22
 cis-1,2-Dichloroethene
 Concen: 18.91 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	249194		
61	143.5	116.7	175.1	
98	63.6	50.8	76.2	





#23

tert-Butyl Alcohol

Concen: 88.16 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 59 Resp: 50717

Ion Ratio Lower Upper

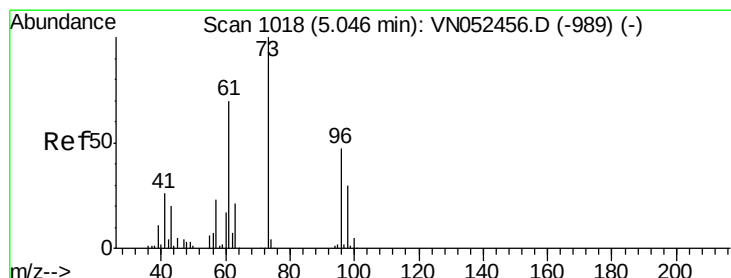
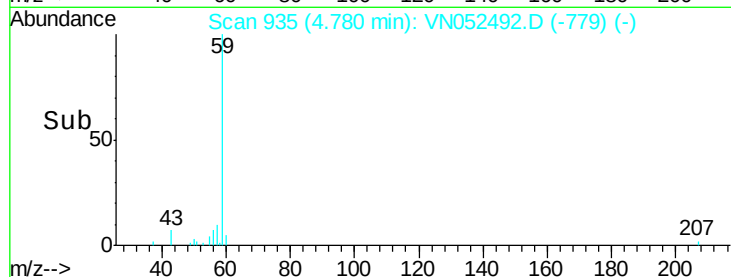
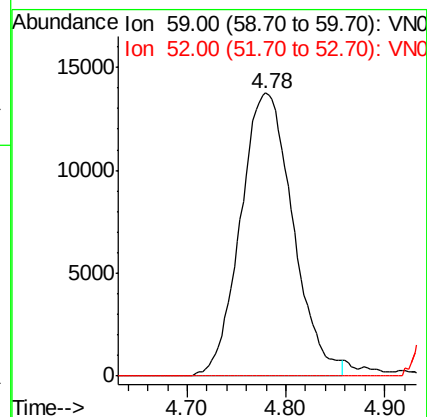
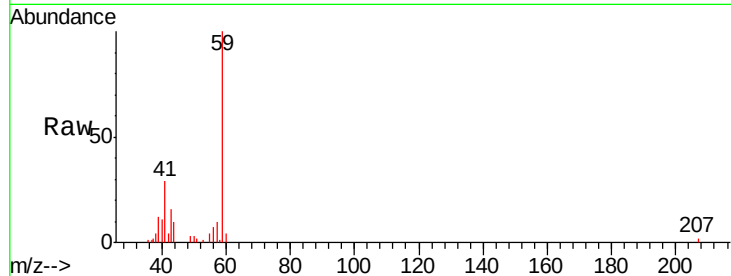
59 100

52 0.0 0.0 0.0

Manual Integrations
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#24

Methyl tert-Butyl Ether

Concen: 19.43 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052492.D

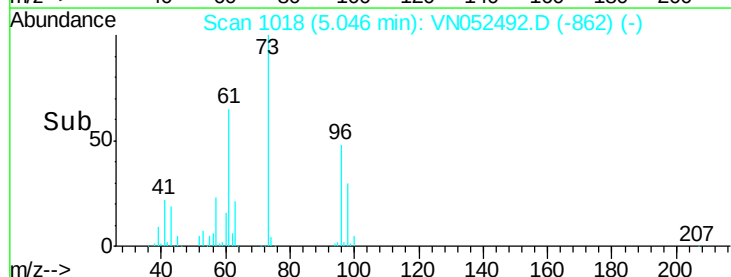
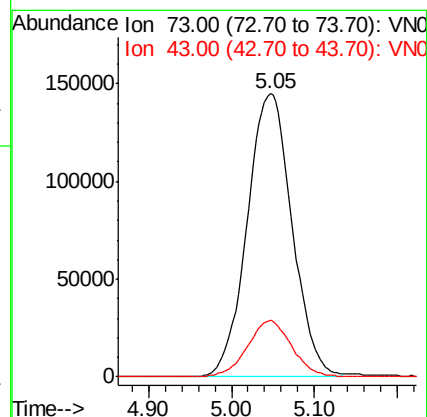
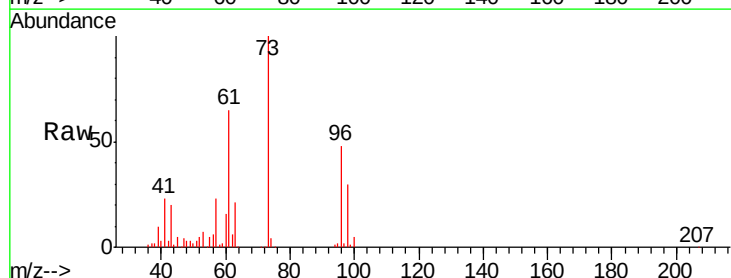
Acq: 27 Nov 2018 21:39

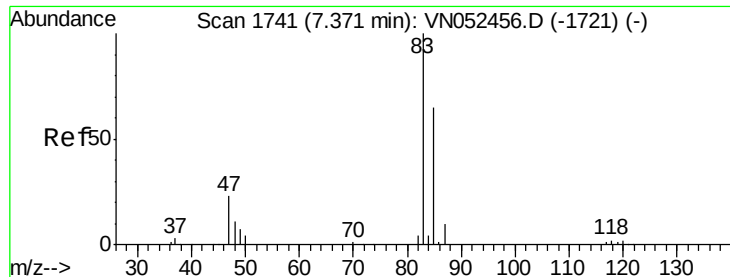
Tgt Ion: 73 Resp: 544467

Ion Ratio Lower Upper

73 100

43 19.6 15.8 23.8





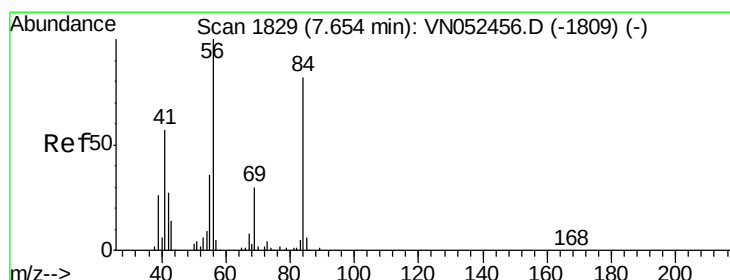
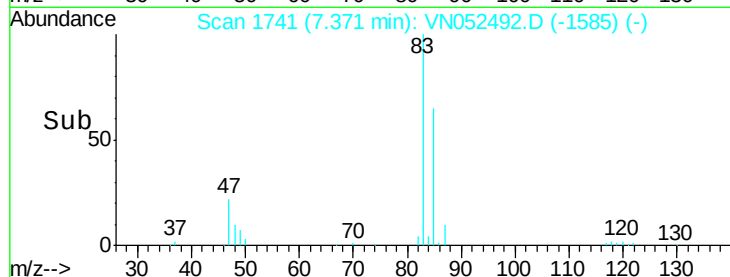
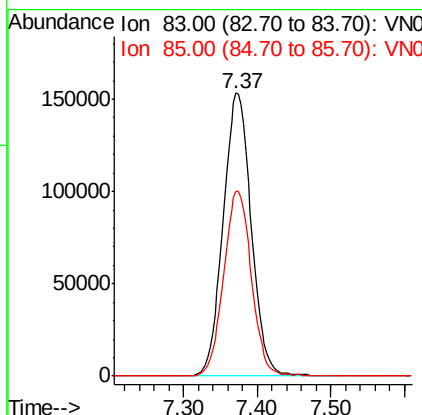
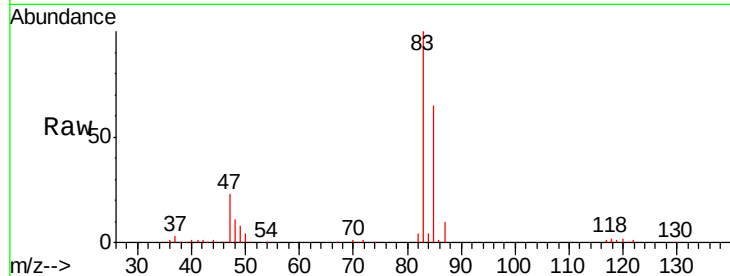
#25
Chloroform
Concen: 18.82 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 405061
Ion Ratio Lower Upper
83 100
85 65.5 51.7 77.5

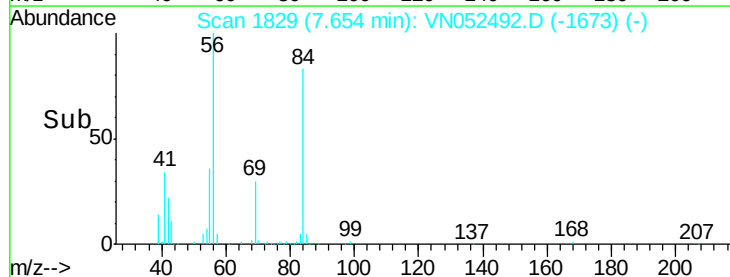
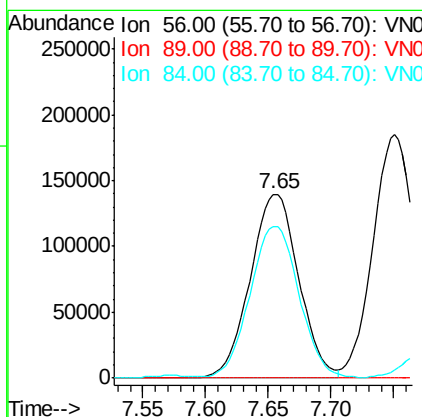
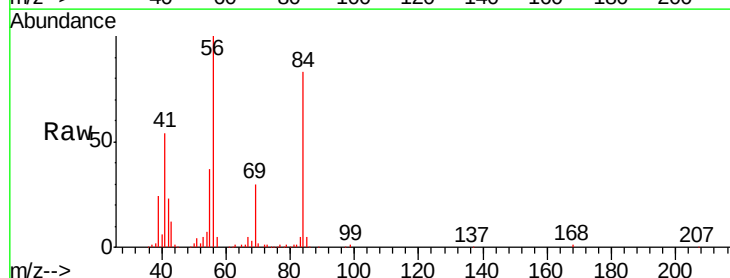
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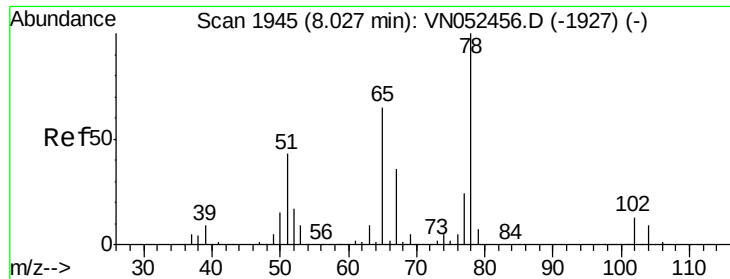
MMDadoda
11/28/2018 9:32:26 AM



#26
Cyclohexane
Concen: 17.86 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion: 56 Resp: 375815
Ion Ratio Lower Upper
56 100
89 0.2 0.5 0.7#
84 83.9 66.2 99.2





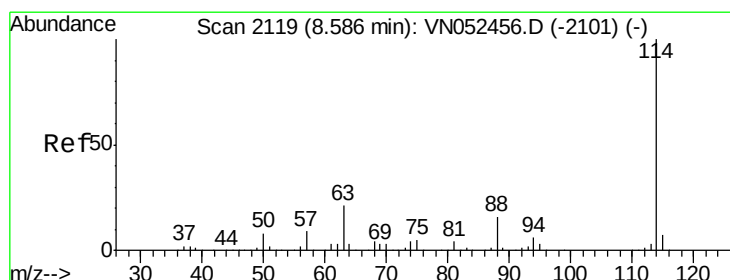
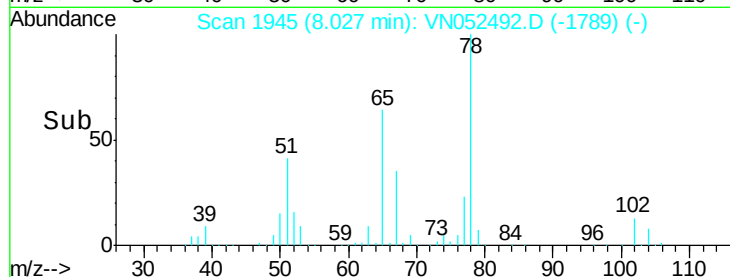
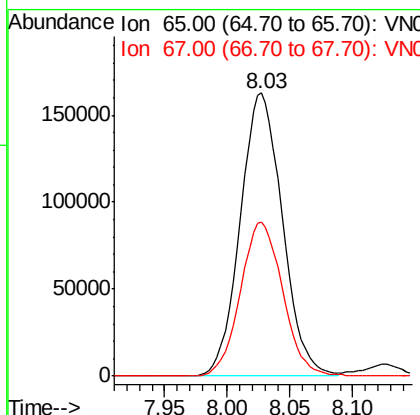
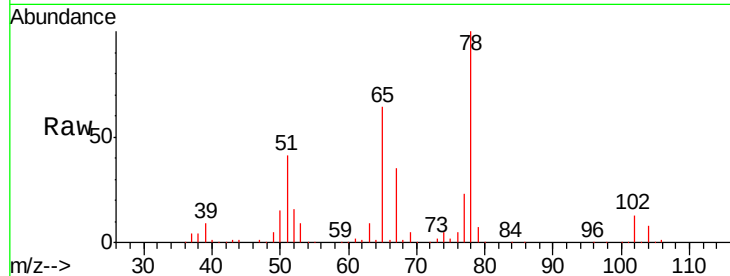
#27
 1,2-Dichloroethane-d4
 Concen: 17.86 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 65 Resp: 381179
 Ion Ratio Lower Upper
 65 100
 67 54.6 44.6 66.8

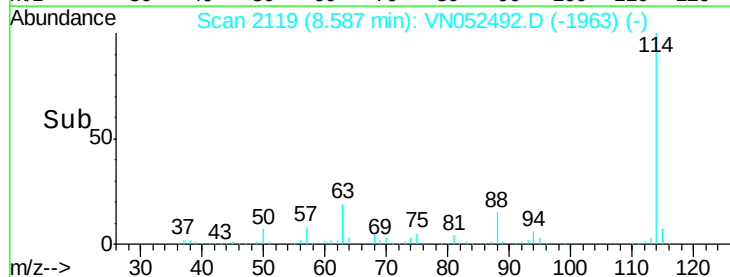
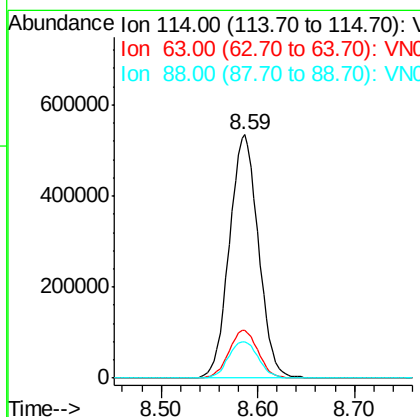
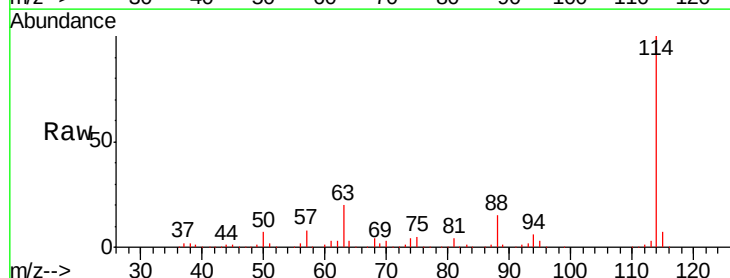
Manual Integrations
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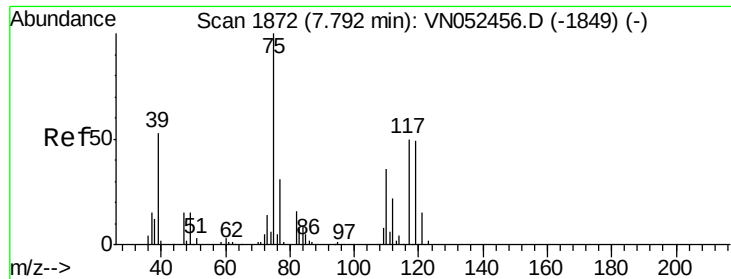
MMDadoda
 11/28/2018 9:32:26 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion: 114 Resp: 1113008
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.9 25.3
 88 15.5 12.8 19.2





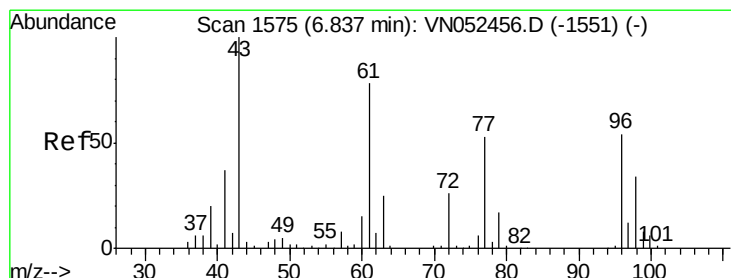
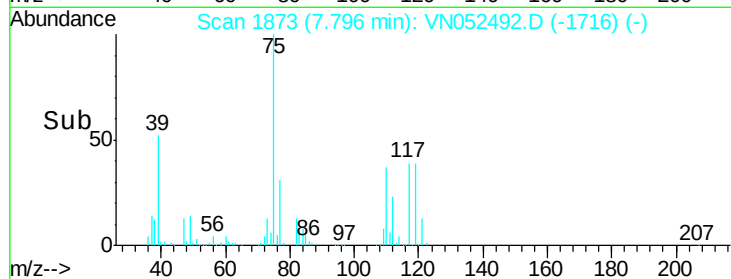
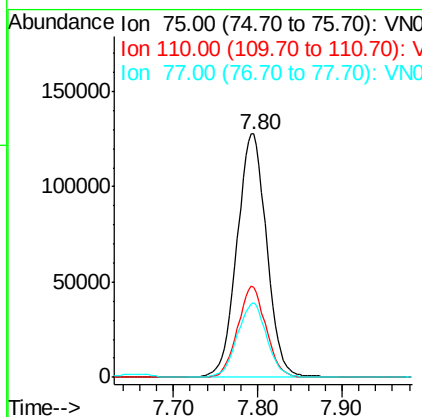
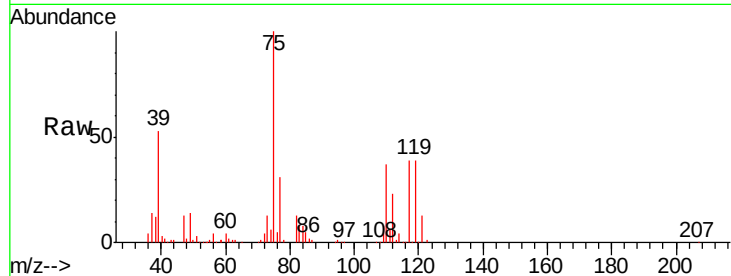
#29
 1,1-Dichloropropene
 Concen: 18.43 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	70.2
77	30.4	0.0	62.6

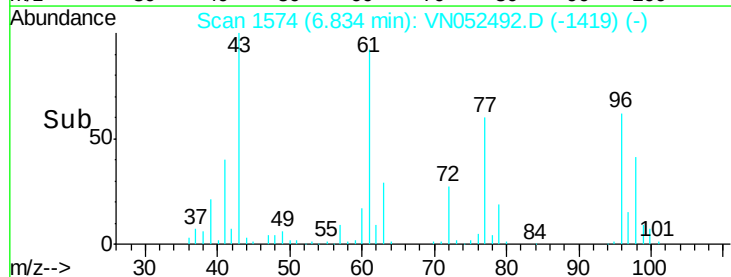
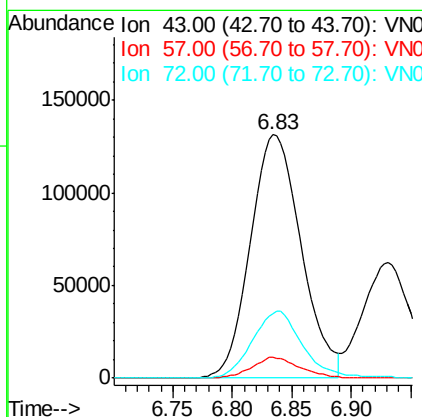
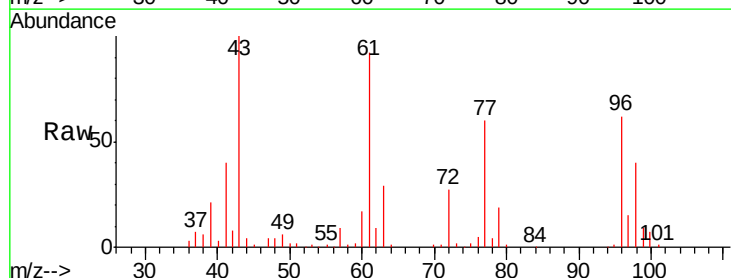
Manual Integrations
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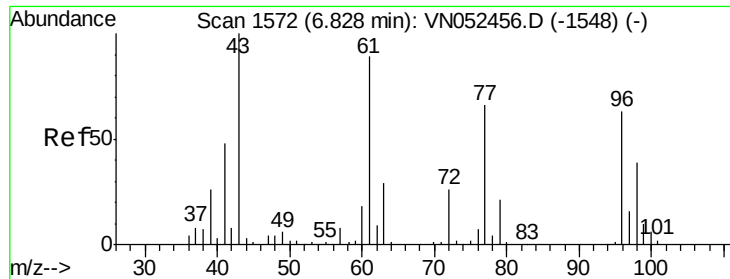
MMDadoda
 11/28/2018 9:32:26 AM



#30
 2-Butanone
 Concen: 84.94 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.2	9.4
72	27.4	21.0	31.6





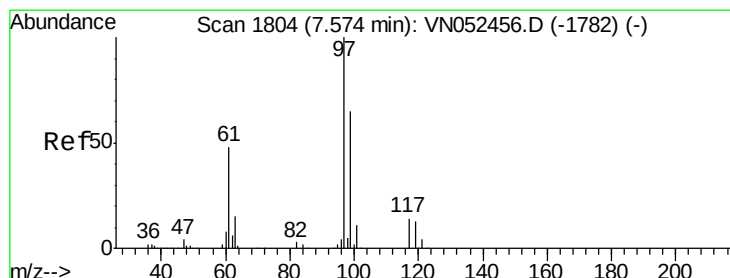
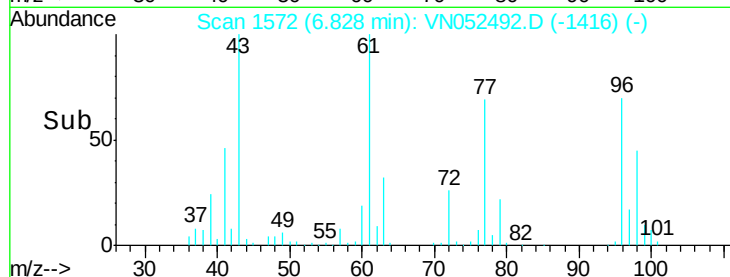
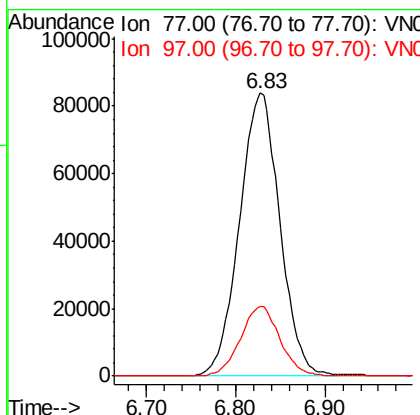
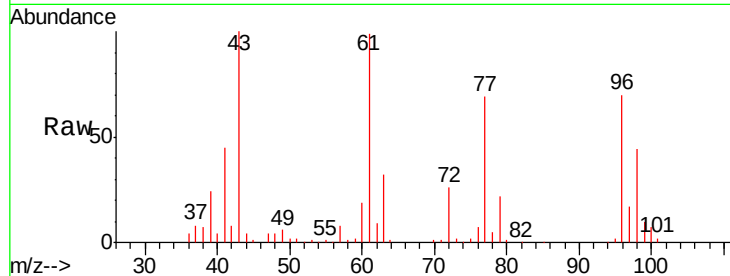
#31
 2,2-Dichloropropane
 Concen: 16.87 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 77 Resp: 263975
 Ion Ratio Lower Upper
 77 100
 97 24.2 18.7 28.1

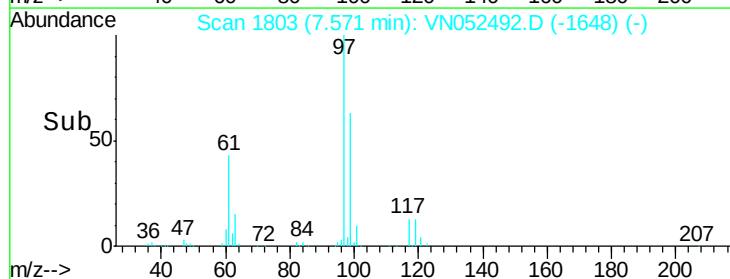
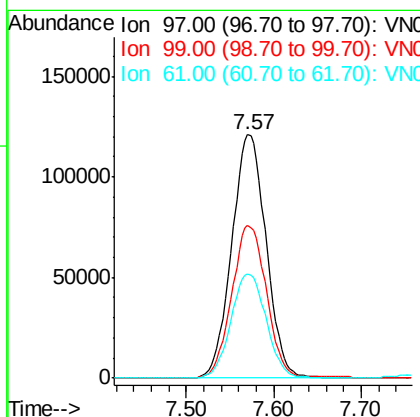
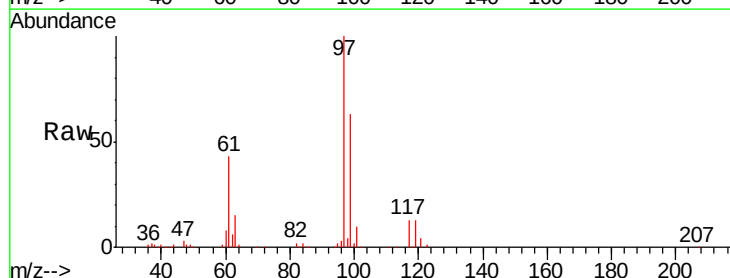
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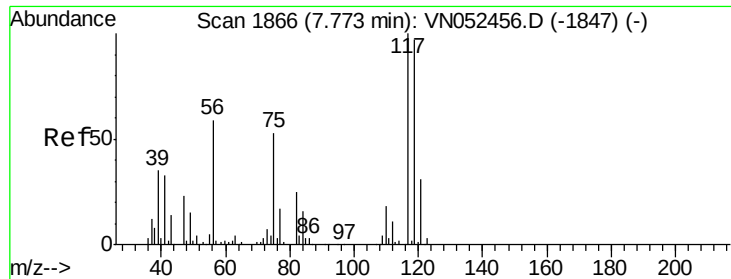
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#32
 1,1,1-Trichloroethane
 Concen: 18.68 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion: 97 Resp: 330287
 Ion Ratio Lower Upper
 97 100
 99 63.3 50.9 76.3
 61 44.0 38.1 57.1





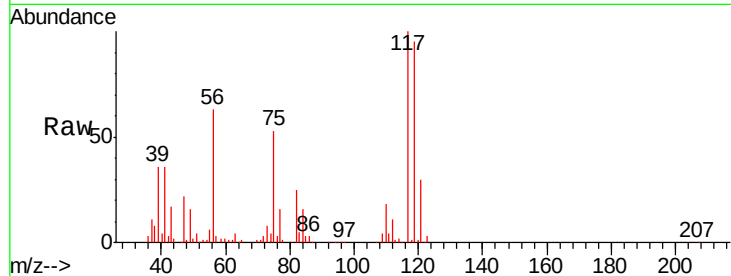
#33
Carbon Tetrachloride
Concen: 18.07 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

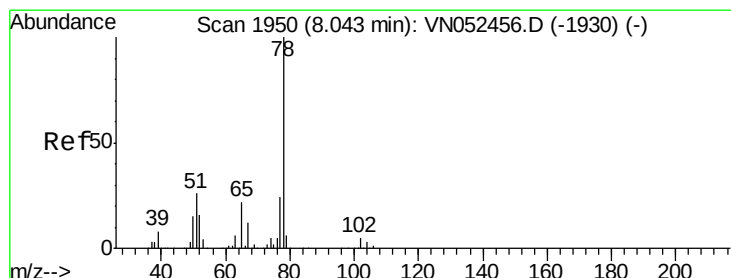
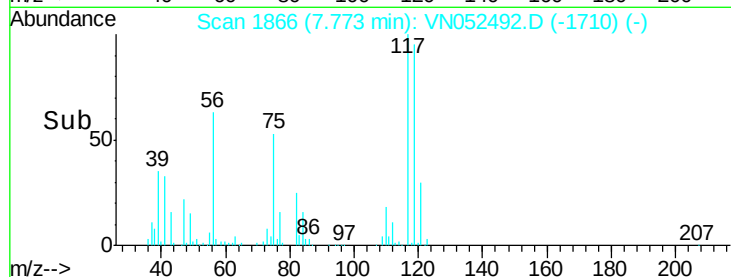
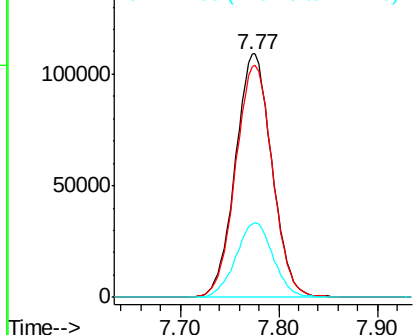
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.3	115.9
121	30.2	24.9	37.3

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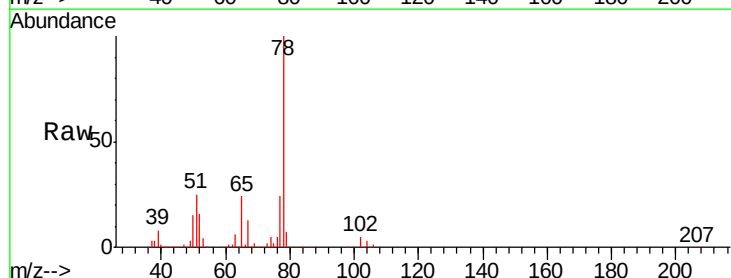


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

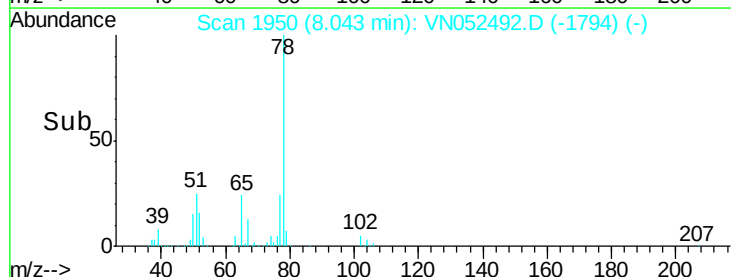
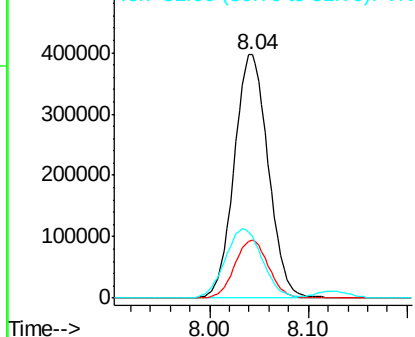


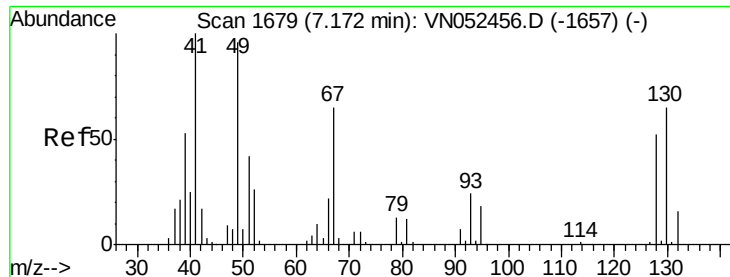
#34
Benzene
Concen: 18.57 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6
51	25.1	20.5	30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V





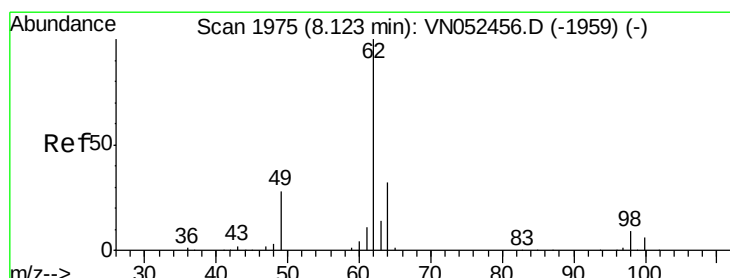
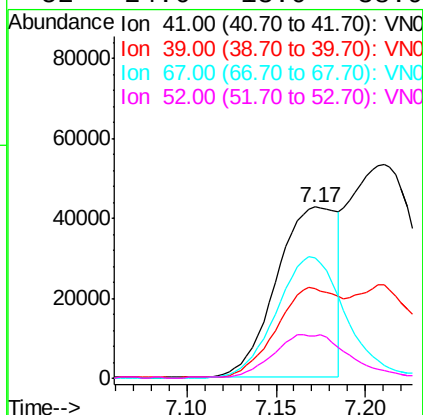
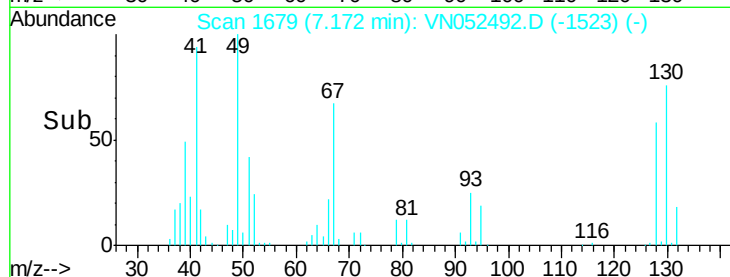
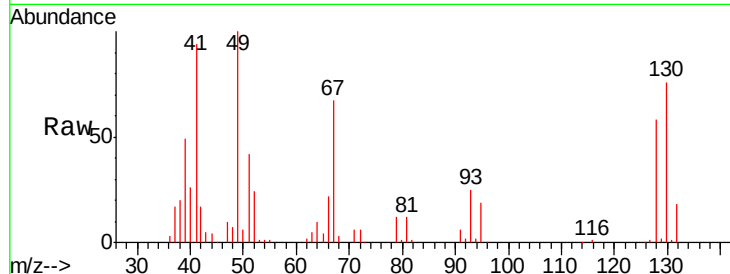
#35
Methacrylonitrile
Concen: 17.75 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.9	26.6	79.7
67	71.0	32.3	96.9
52	24.6	13.0	38.9

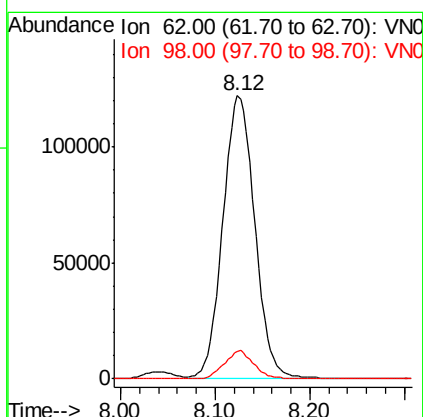
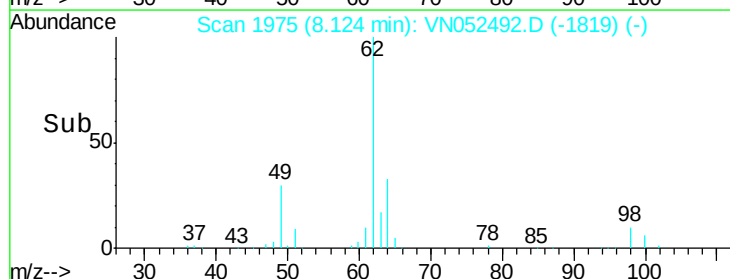
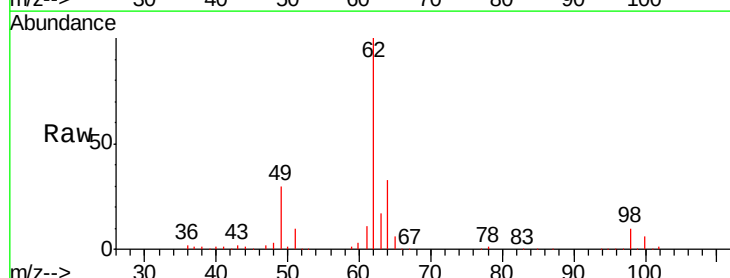
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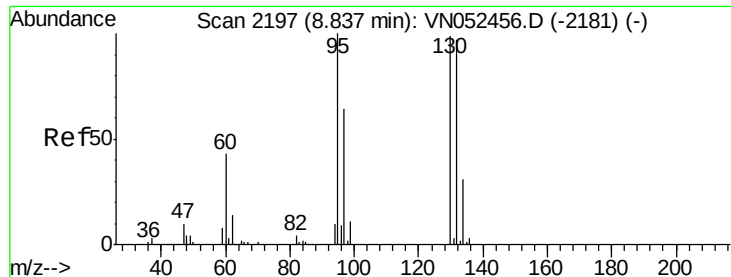
MMDadoda
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#36
1,2-Dichloroethane
Concen: 18.42 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.4	11.2





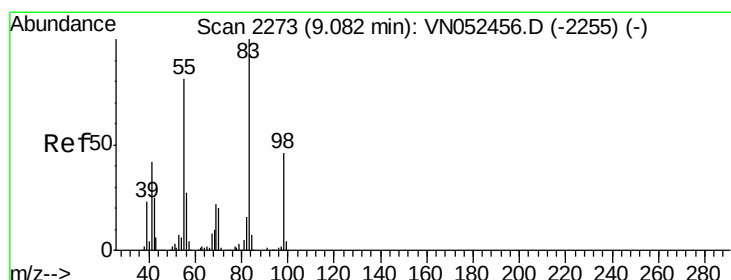
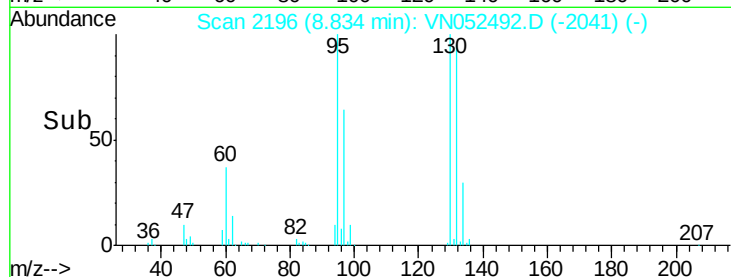
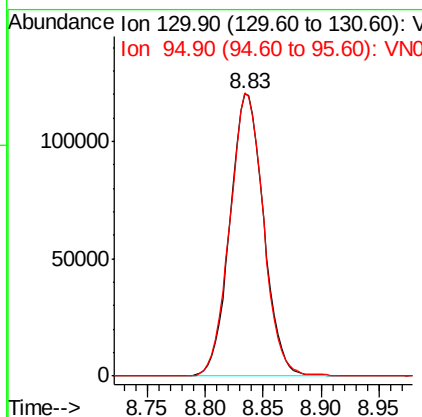
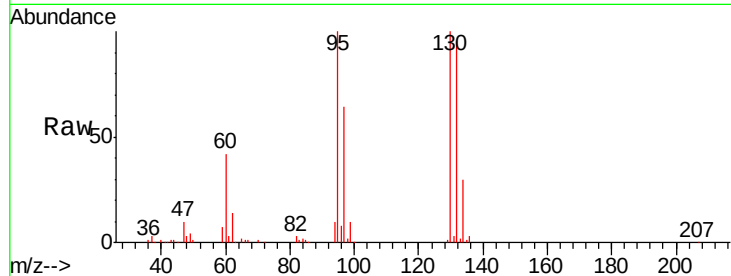
#37
 Trichloroethene
 Concen: 18.68 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	242083		
95	100.2	81.0	121.4	

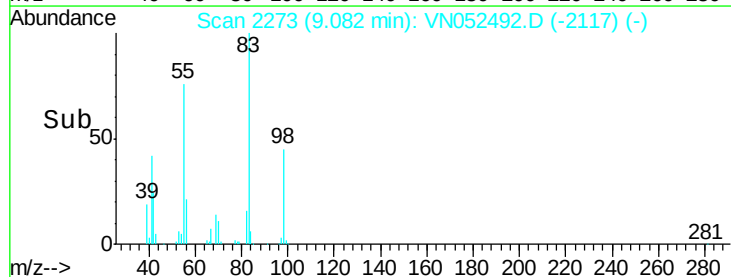
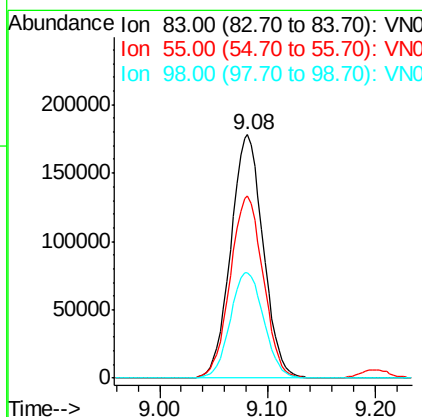
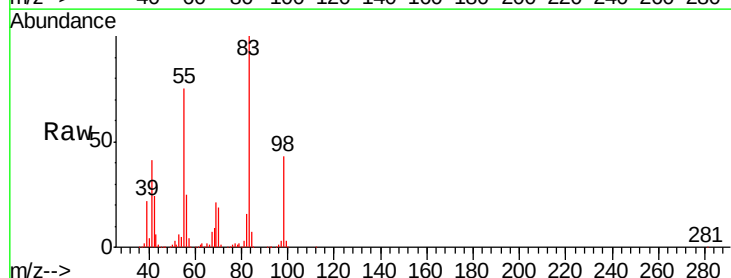
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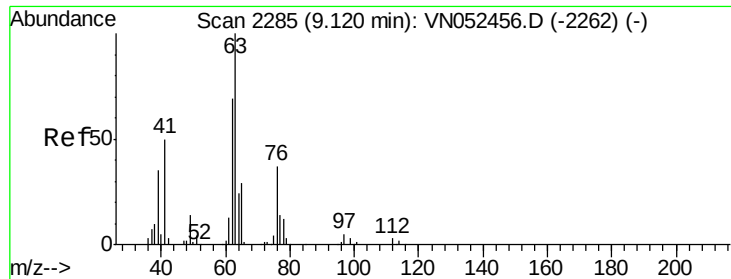
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#38
 Methylcyclohexane
 Concen: 17.62 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	370798		
55	76.4	39.8	119.4	
98	45.0	22.9	68.5	





#39

1,2-Dichloropropane

Concen: 18.26 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 250161

Ion Ratio Lower Upper

63 100

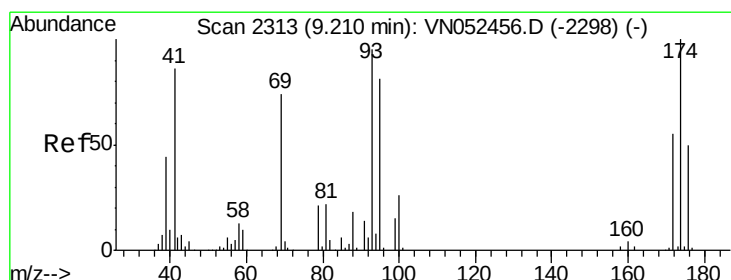
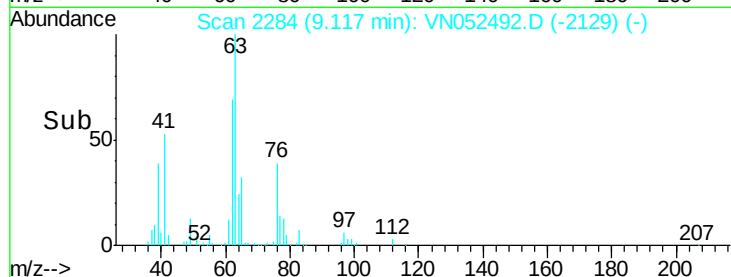
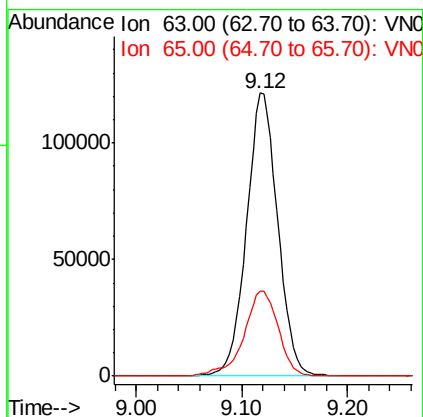
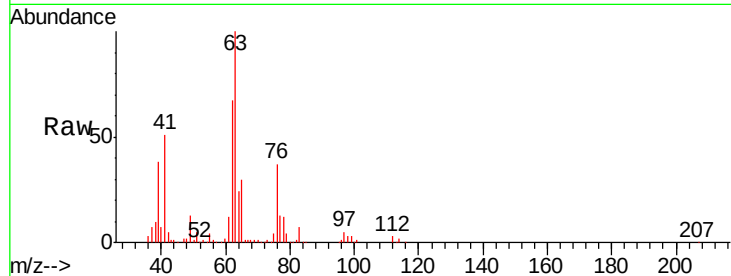
65 30.2 23.6 35.4

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#40

Dibromomethane

Concen: 18.84 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

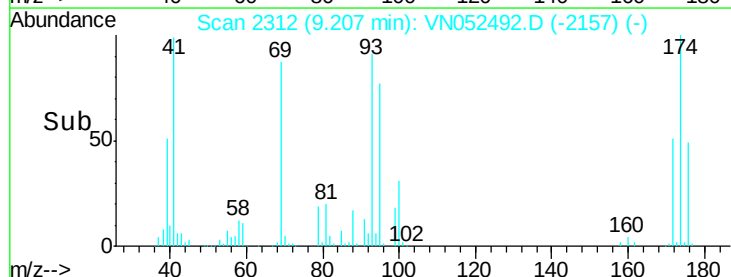
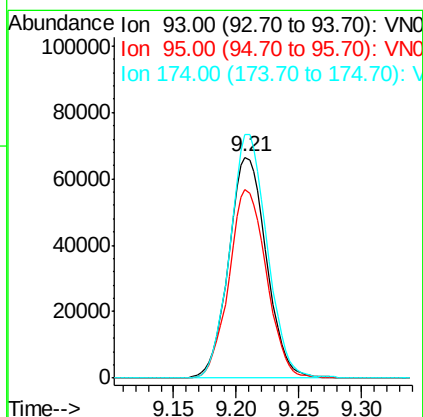
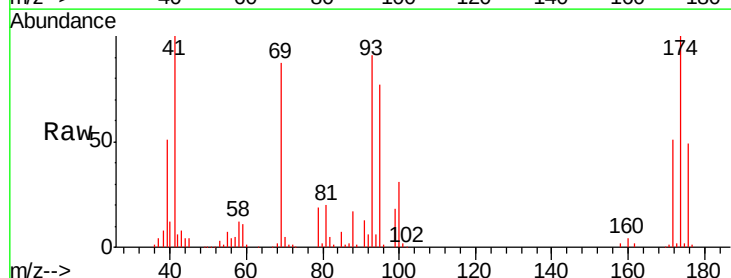
Tgt Ion: 93 Resp: 139459

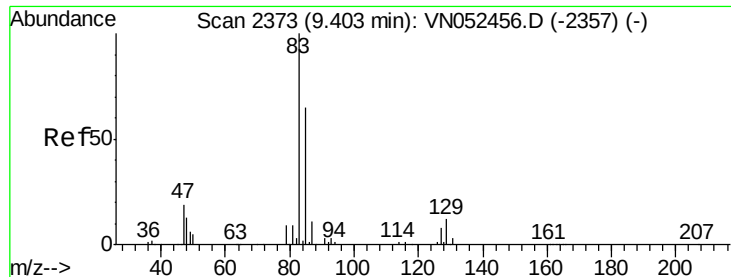
Ion Ratio Lower Upper

93 100

95 84.6 0.0 168.4

174 108.6 0.0 210.0





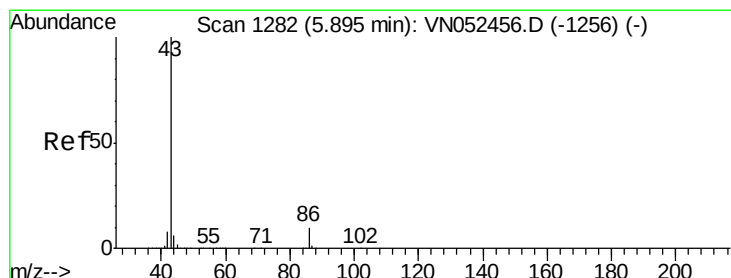
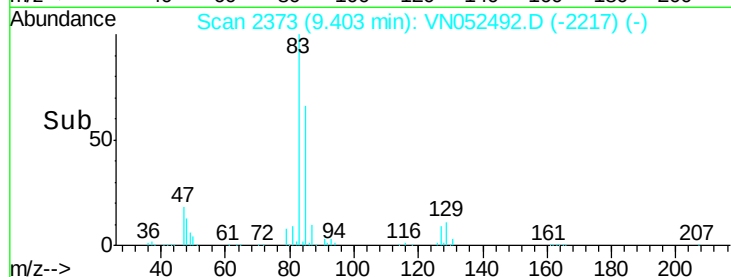
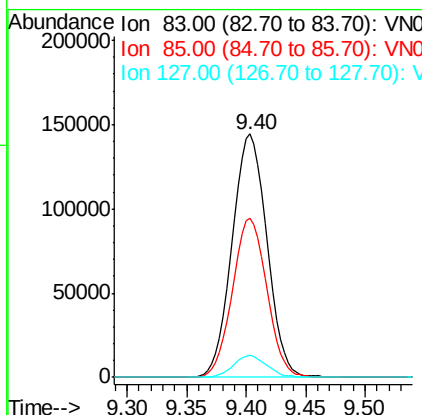
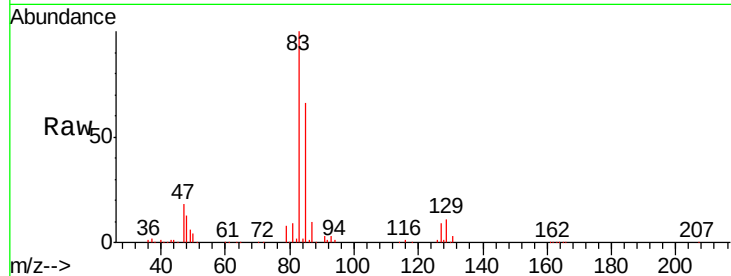
#41
Bromodichloromethane
Concen: 17.98 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6
127	9.0	6.6	9.8

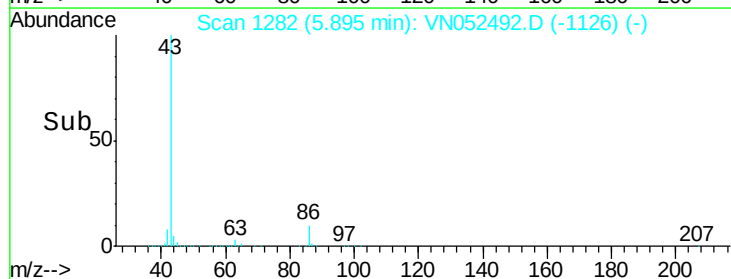
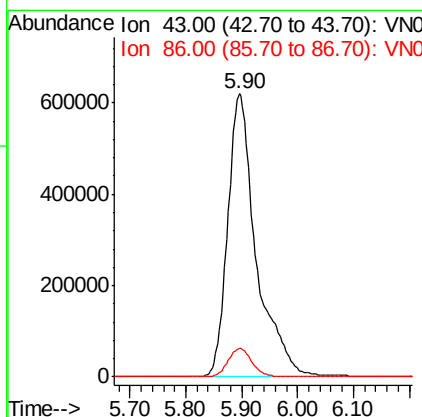
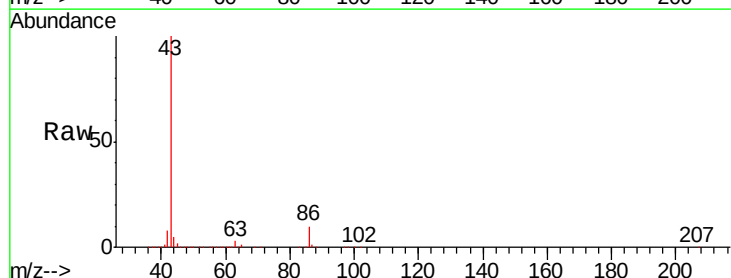
Manual Integrations
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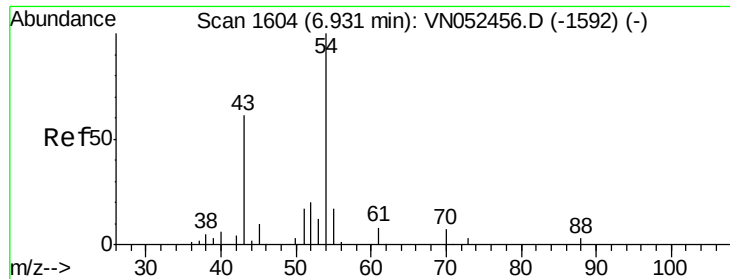
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#42
Vinyl Acetate
Concen: 89.62 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.5	9.7





#43

Ethyl Acetate

Concen: 18.52 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 179139

Ion Ratio Lower Upper

43 100

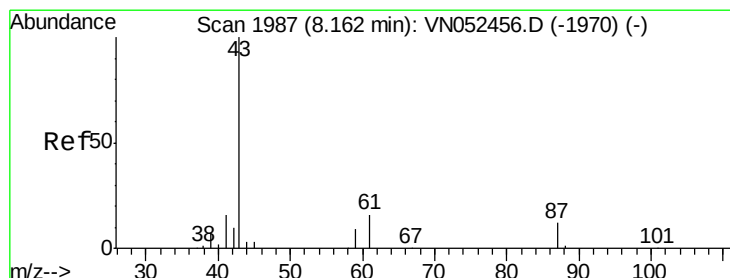
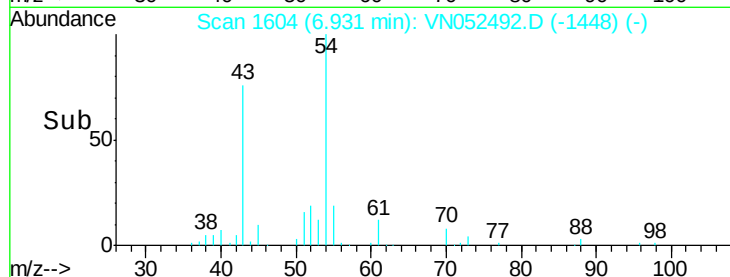
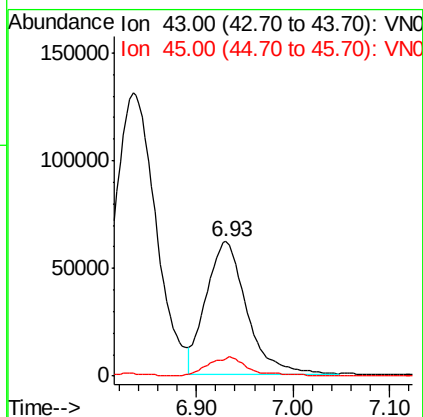
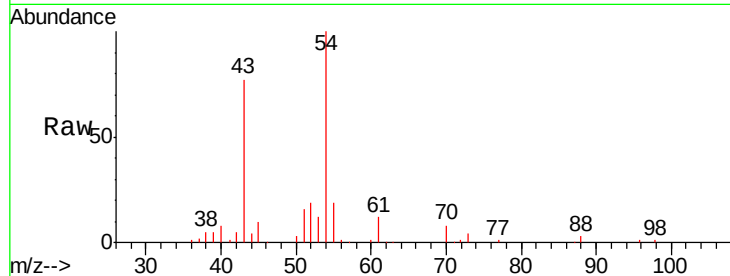
45 12.8 1.0 1.6#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 18.70 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052492.D

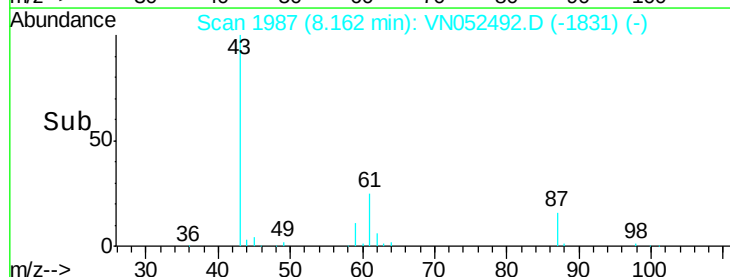
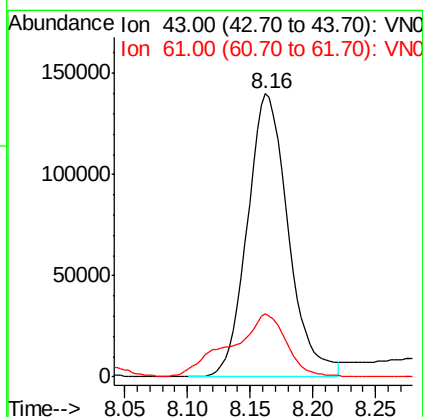
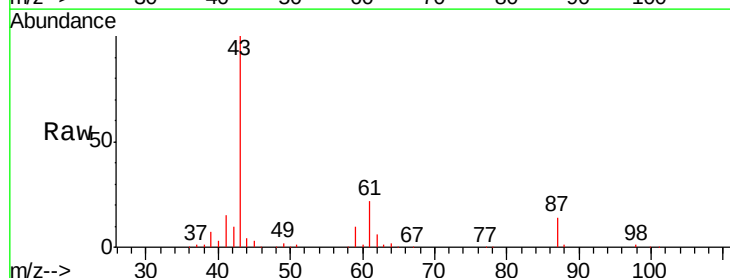
Acq: 27 Nov 2018 21:39

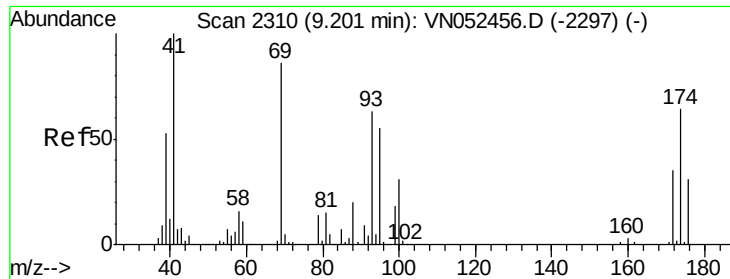
Tgt Ion: 43 Resp: 317233

Ion Ratio Lower Upper

43 100

61 30.7 16.0 24.0#





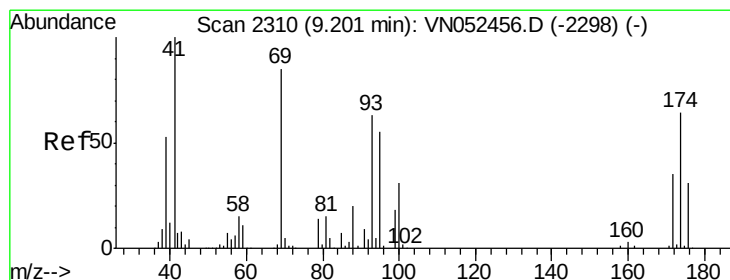
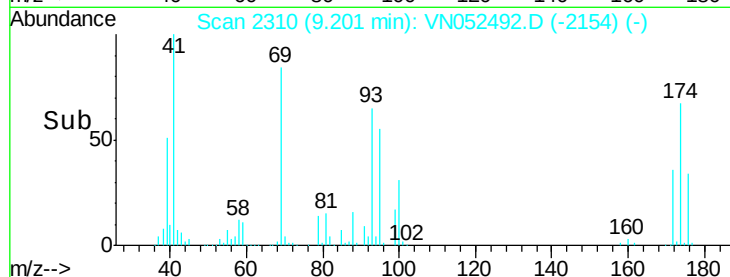
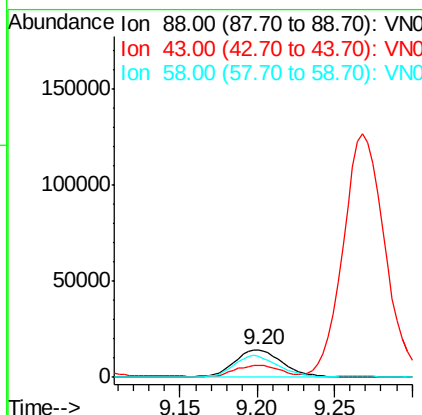
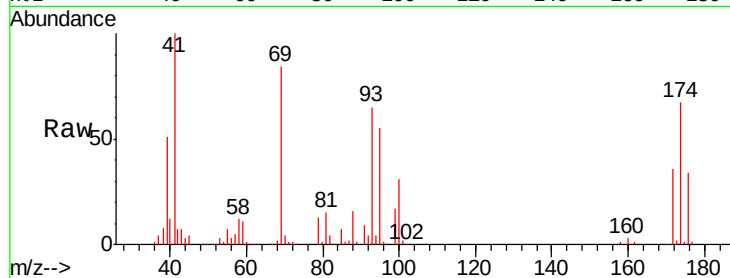
#45
 1,4-Dioxane
 Concen: 336.94 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.5	44.3
58	72.7	61.5	92.3

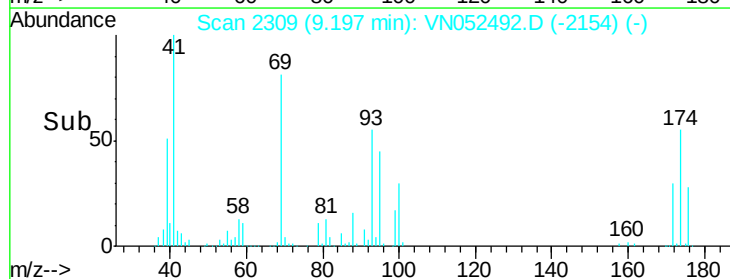
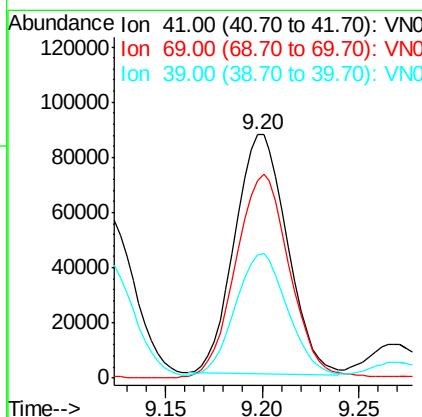
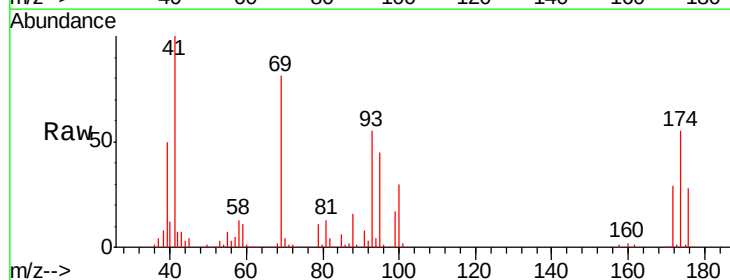
Manual Integrations
 APPROVED

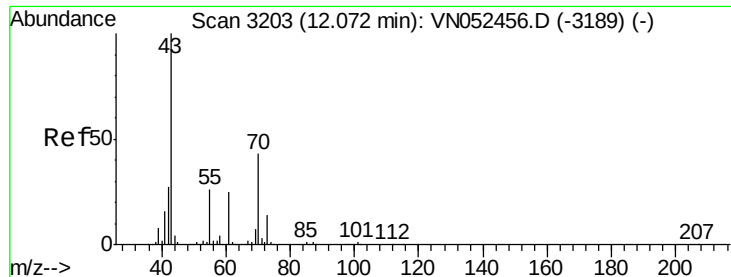
MMDadoda
 11/28/2018 9:32:26 AM



#46
 Methyl methacrylate
 Concen: 18.61 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.7	42.5	127.6
39	50.1	26.3	78.9





#47

n-amyl Acetate

Concen: 17.44 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 245211

Ion Ratio Lower Upper

43 100

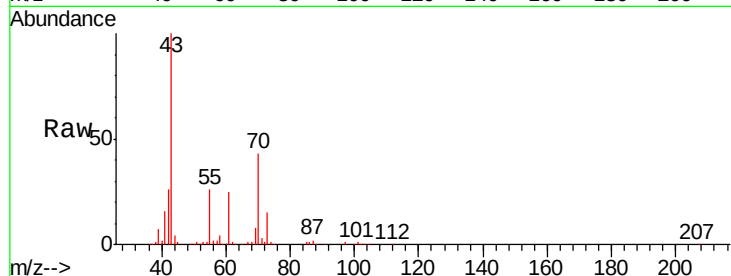
55 25.7 21.1 31.7

Manual Integrations

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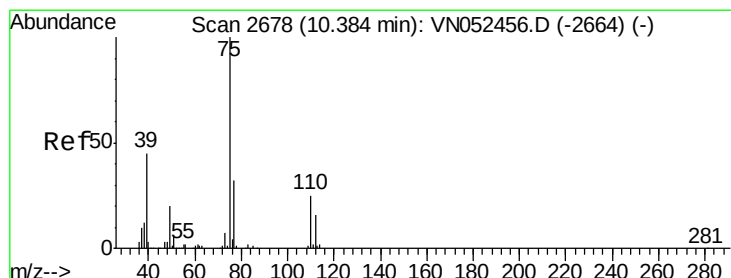
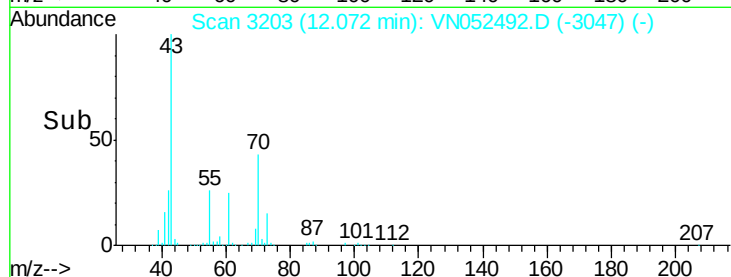
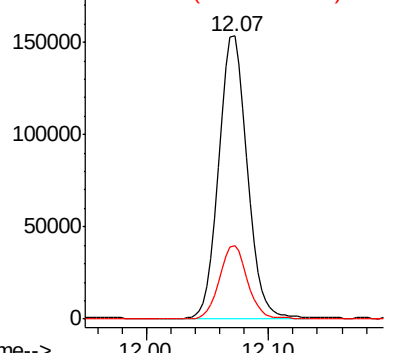
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.68 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052492.D

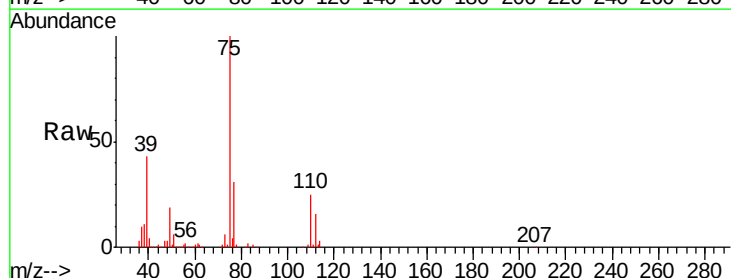
Acq: 27 Nov 2018 21:39

Tgt Ion: 75 Resp: 280412

Ion Ratio Lower Upper

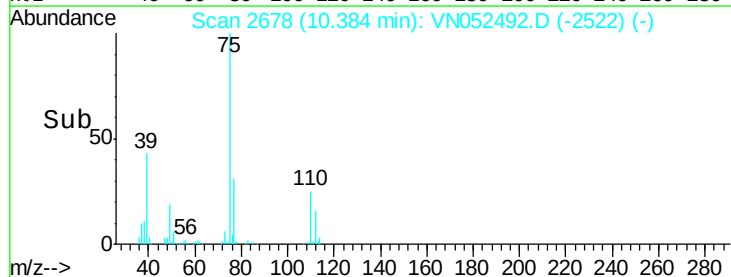
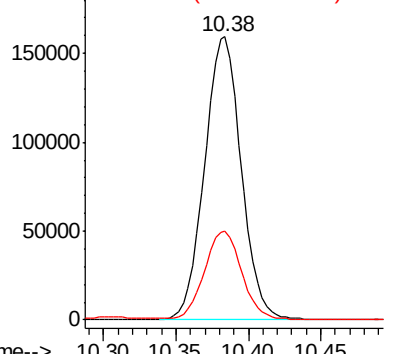
75 100

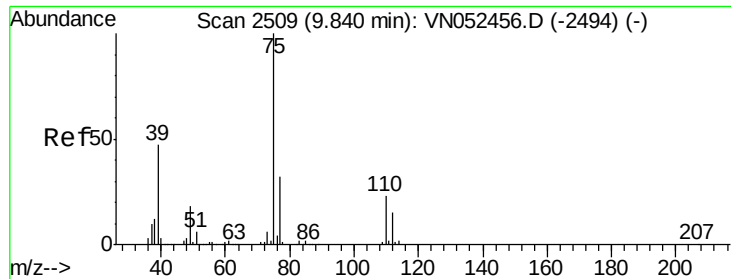
77 30.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 17.73 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

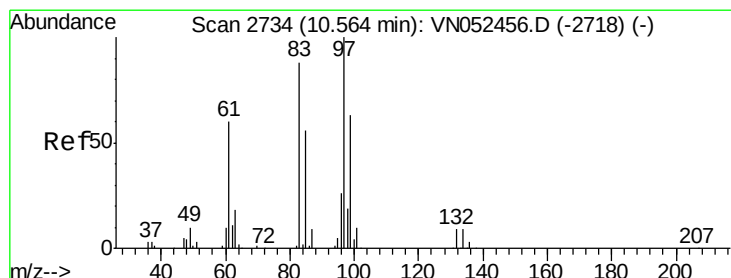
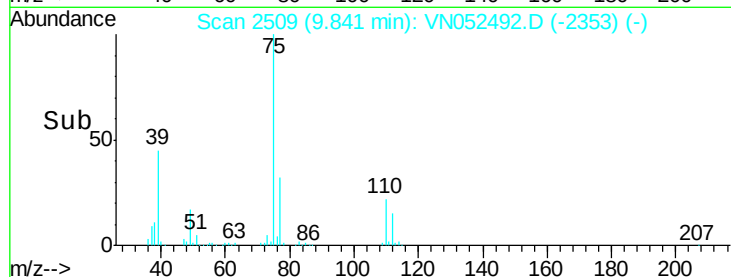
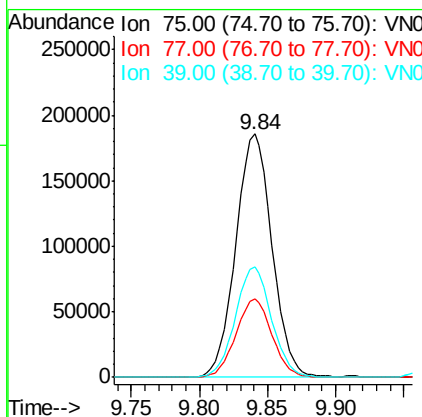
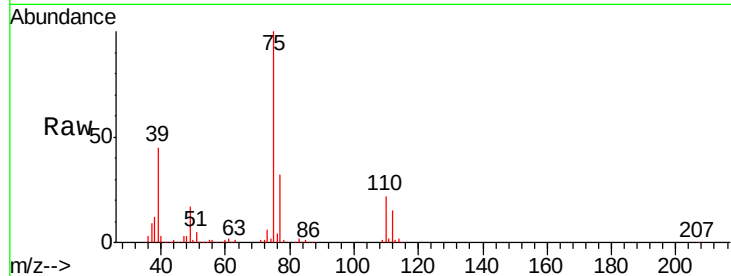
ClientSampleId :

VSTDCCC020

Tgt Ion:	75	Resp:	342623
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	45.1	37.3	55.9

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.16 ug/l

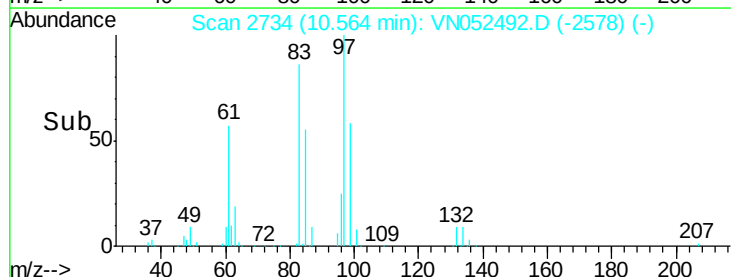
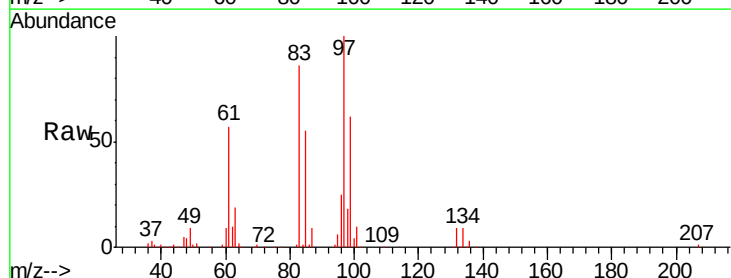
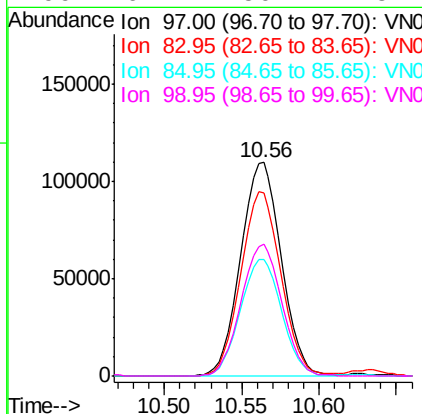
RT: 10.56 min Scan# 2734

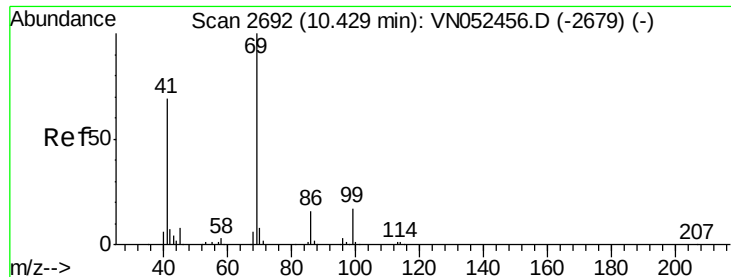
Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion:	97	Resp:	200991
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.4	105.6
85	54.8	45.0	67.6
99	61.4	50.2	75.2





#51

Ethyl methacrylate

Concen: 18.44 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

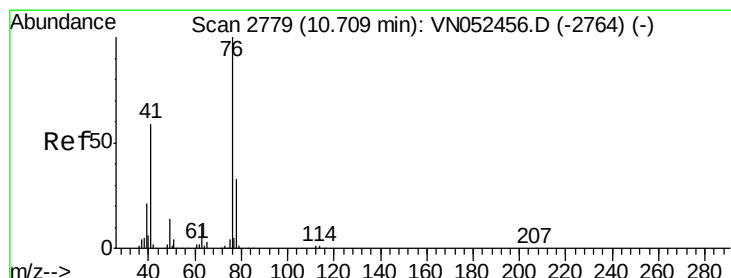
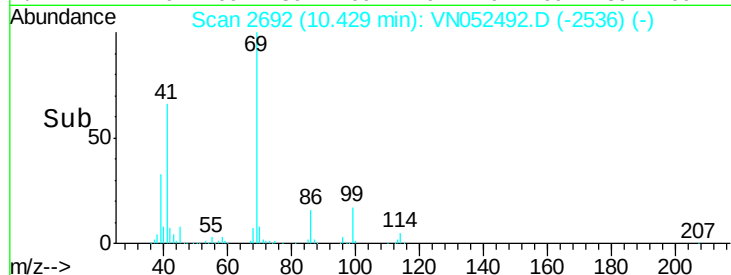
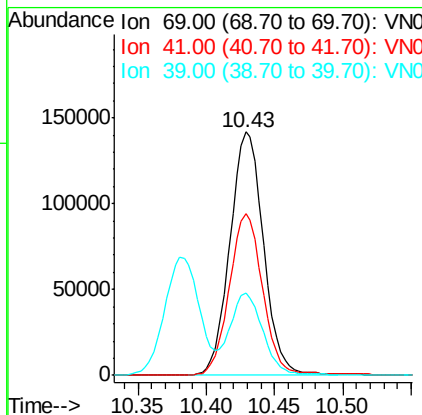
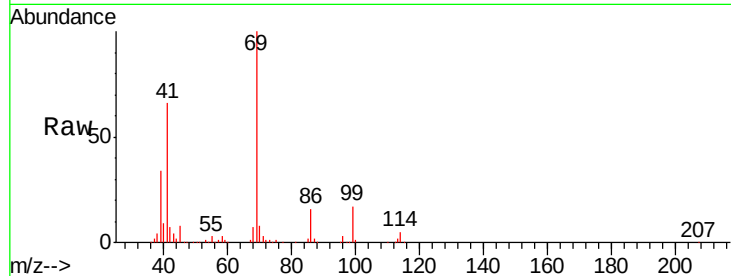
ClientSampleId :

VSTDCCC020

Tgt Ion:	69	Resp:	242951
Ion	Ratio	Lower	Upper
69	100		
41	65.8	34.4	103.3
39	33.4	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.29 ug/l

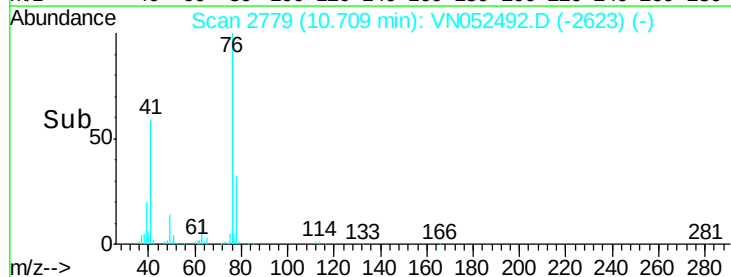
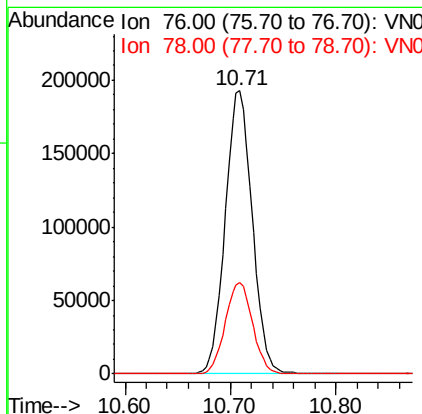
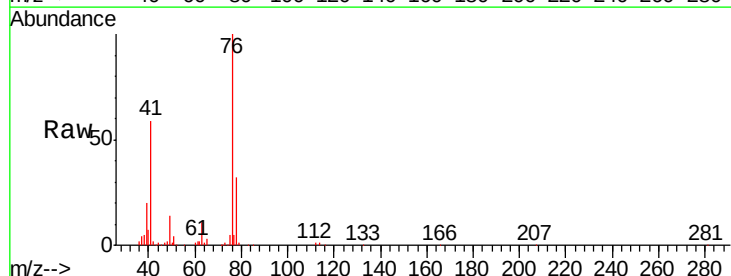
RT: 10.71 min Scan# 2779

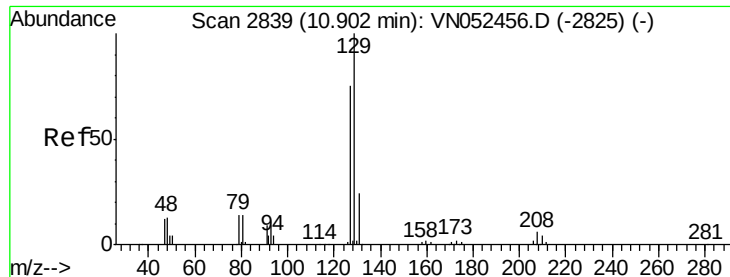
Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion:	76	Resp:	341536
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.8





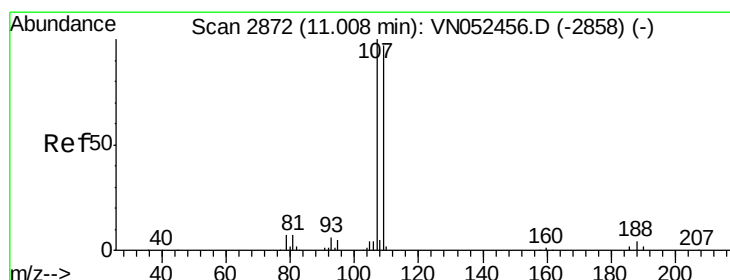
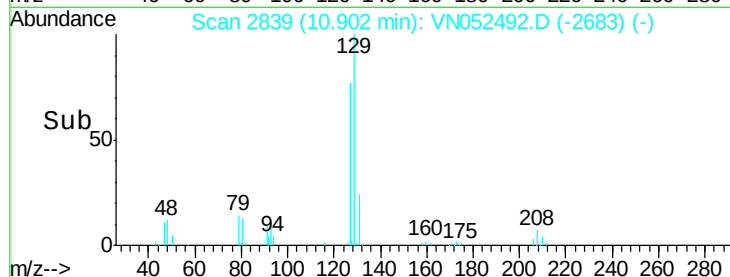
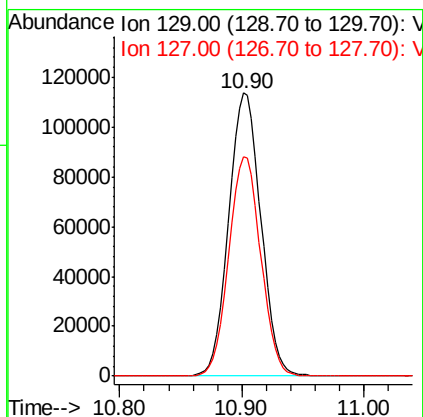
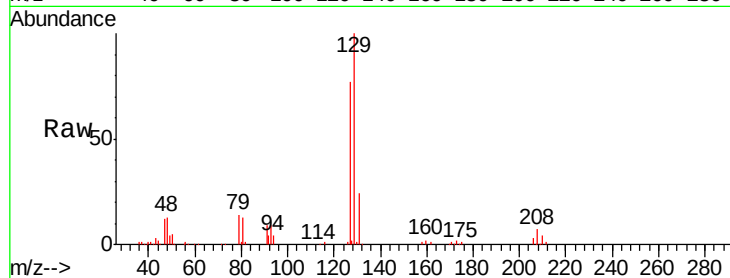
#53
Dibromochloromethane
Concen: 18.09 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:129 Resp: 209019
Ion Ratio Lower Upper
129 100
127 77.0 37.6 112.8

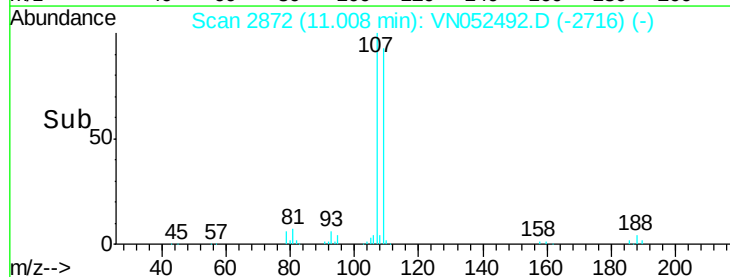
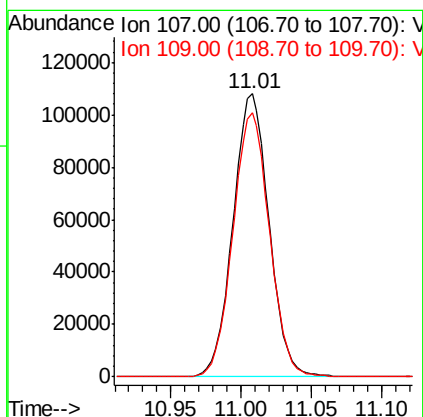
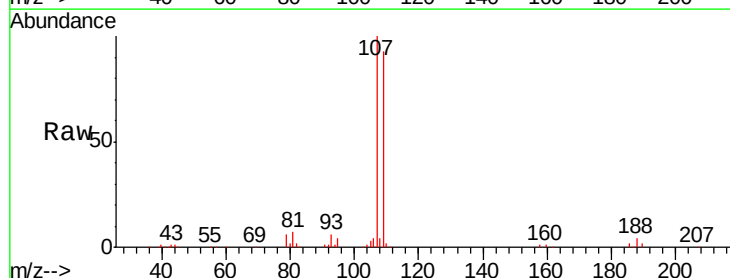
Manual Integrations
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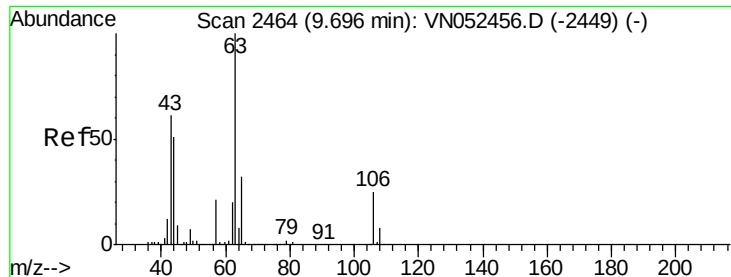
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#54
1,2-Dibromoethane
Concen: 18.84 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion:107 Resp: 193128
Ion Ratio Lower Upper
107 100
109 94.9 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 93.40 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

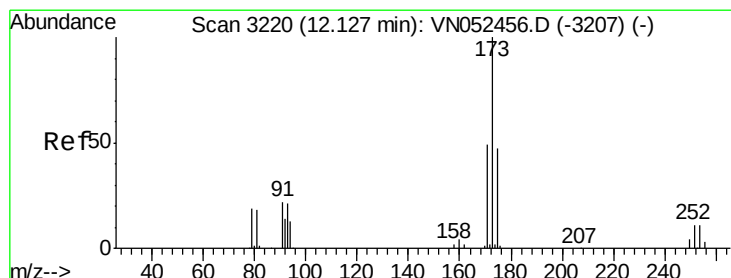
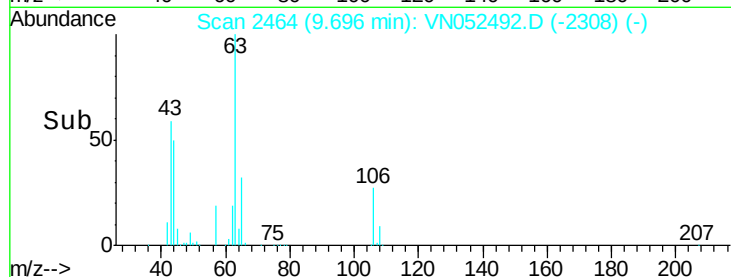
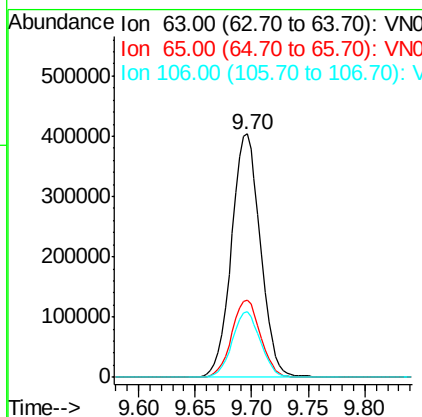
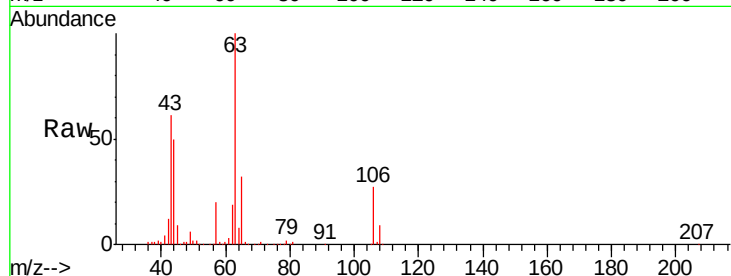
ClientSampleId :

VSTDCCC020

Tgt Ion:	63	Resp:	720505
Ion Ratio	Lower	Upper	
63	100		
65	31.7	25.4	38.2
106	26.4	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 17.72 ug/l

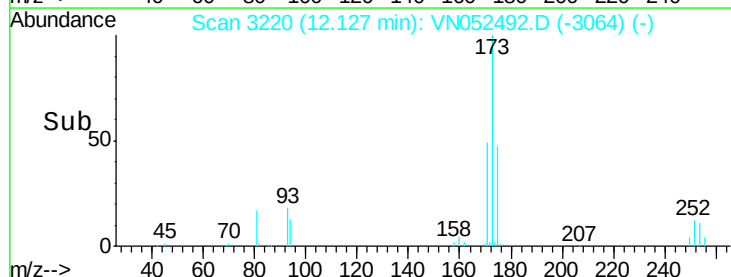
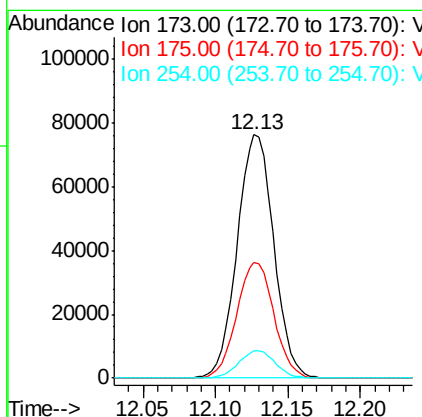
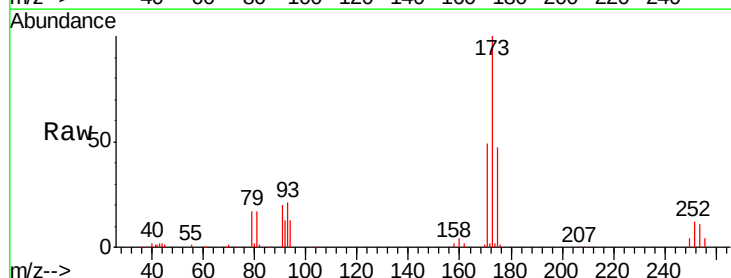
RT: 12.13 min Scan# 3220

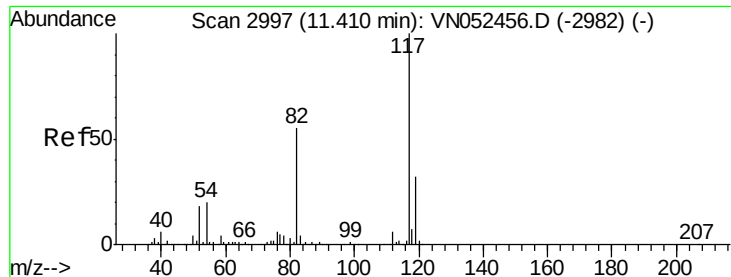
Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion:	173	Resp:	133801
Ion Ratio	Lower	Upper	
173	100		
175	48.1	38.7	58.1
254	11.2	8.4	12.6





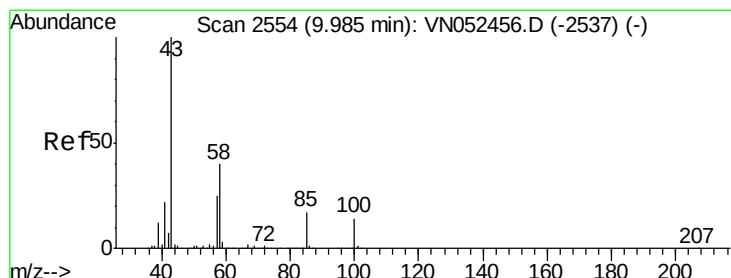
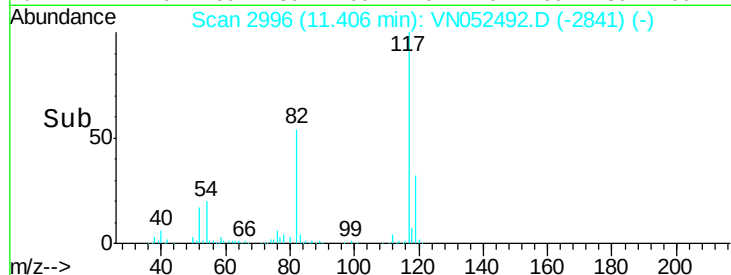
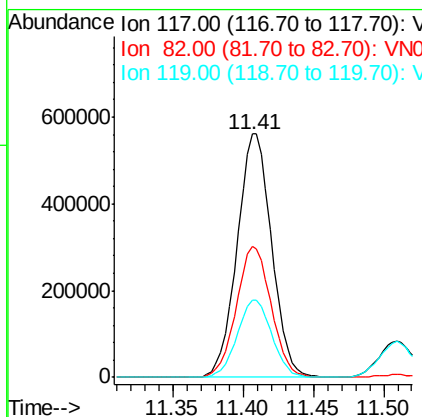
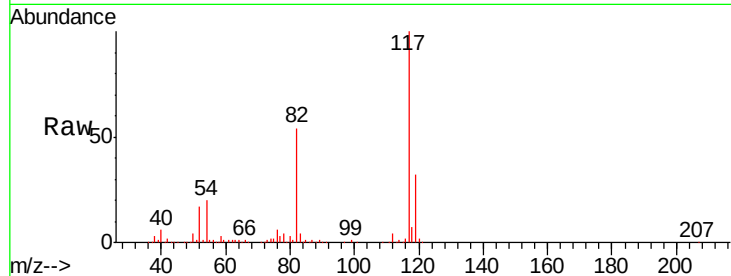
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.1	44.2	66.2
119	31.9	25.4	38.2

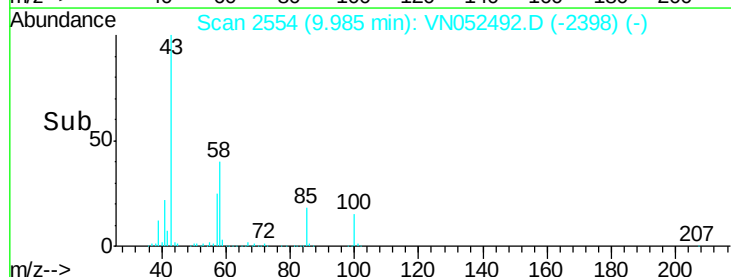
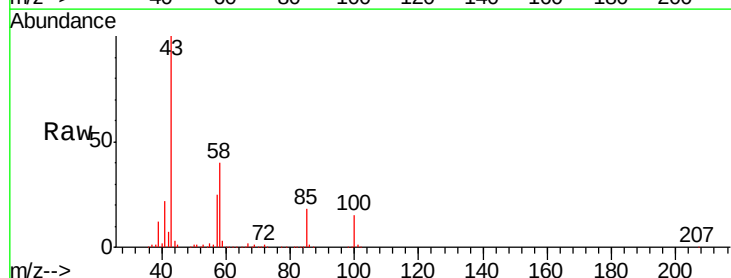
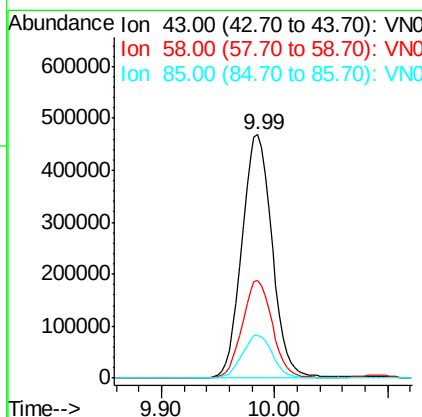
Manual Integrations
APPROVED

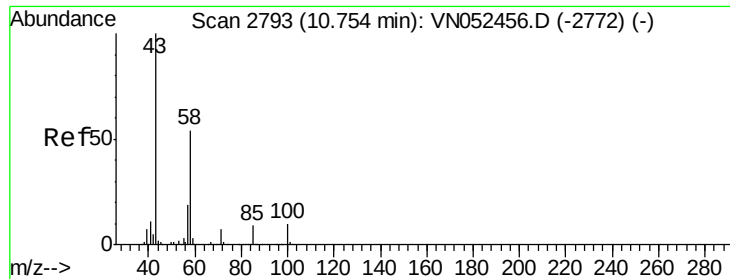
MMDadoda
11/28/2018 9:32:26 AM



#58
4-Methyl-2-Pentanone
Concen: 93.48 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	39.9	31.6	47.4
85	17.9	13.3	19.9





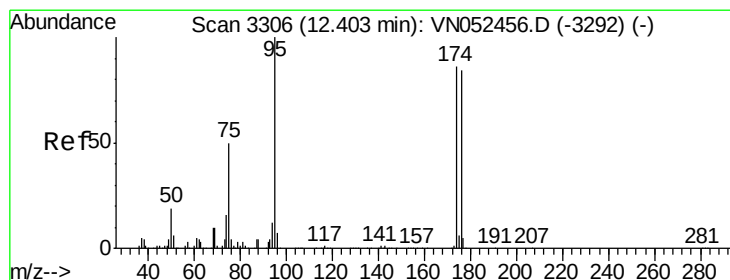
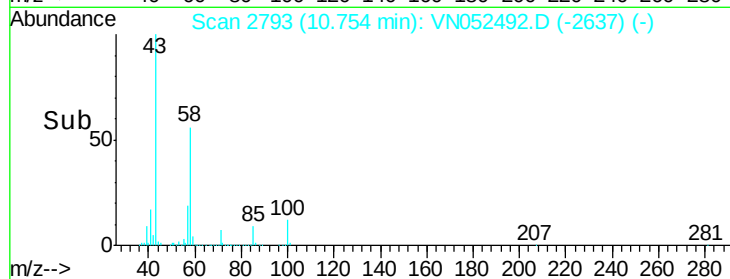
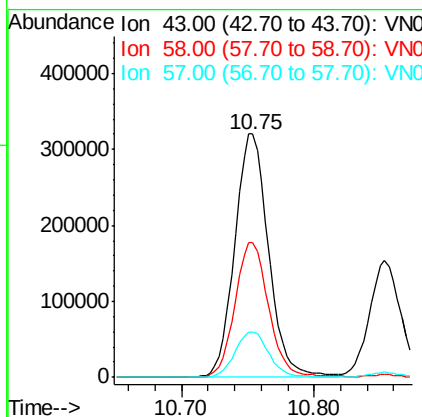
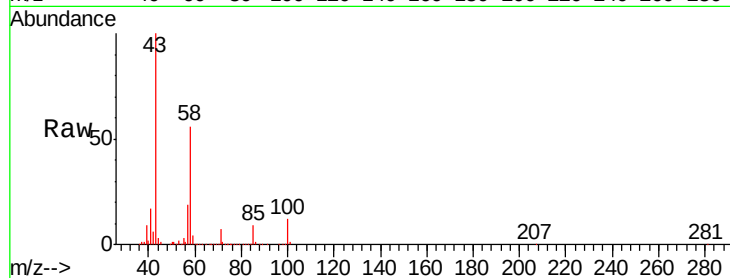
#59
2-Hexanone
Concen: 88.32 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.2	64.8
57	19.1	14.9	22.3

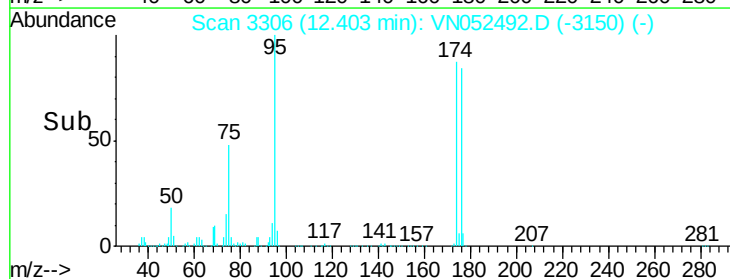
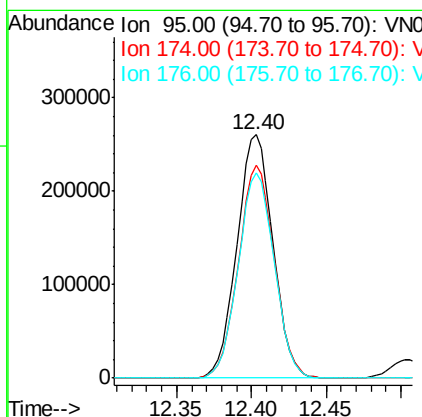
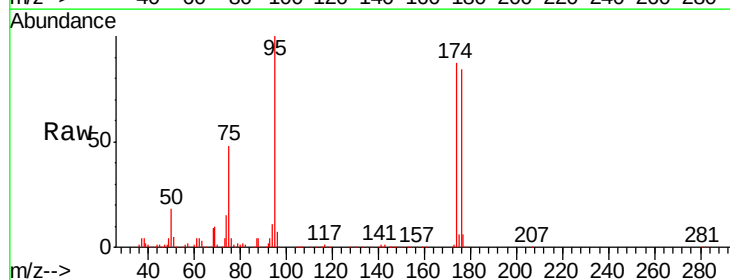
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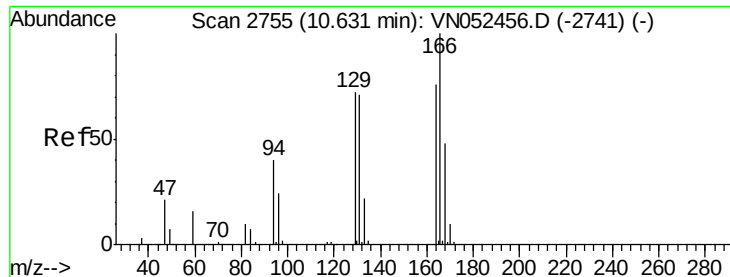
MMDadoda
11/28/2018 9:32:26 AM



#60
4-Bromofluorobenzene
Concen: 88.32 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	67.9	101.9
176	84.2	66.4	99.6





#61

Tetrachloroethene

Concen: 19.76 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

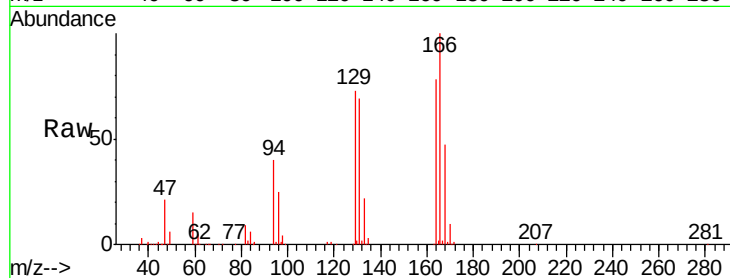
ClientSampleId :

VSTDCCC020

Tgt Ion:	164	Resp:	234140
Ion Ratio	Lower	Upper	
164	100		
166	127.6	104.6	157.0
129	92.5	75.3	112.9
131	87.6	74.3	111.5

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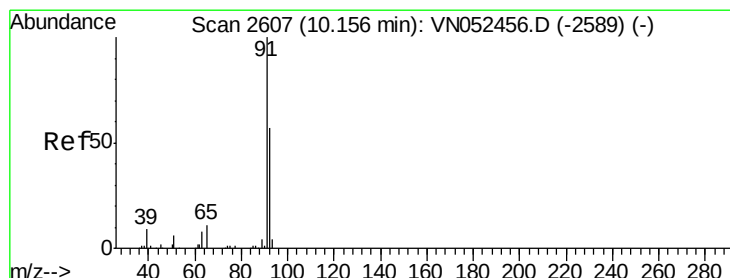
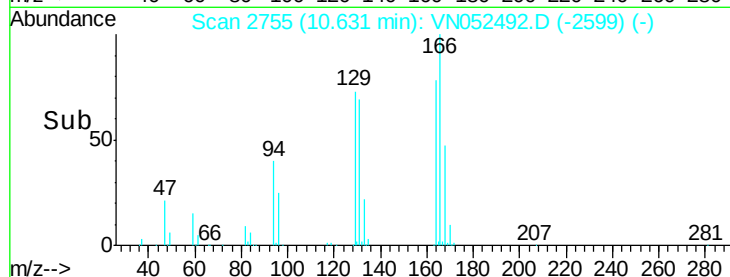
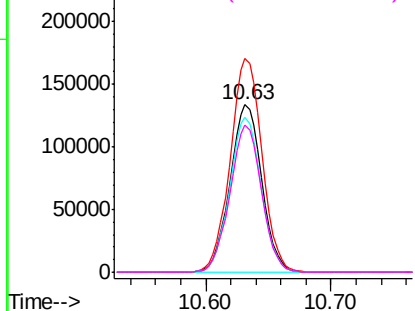


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.63 ug/l

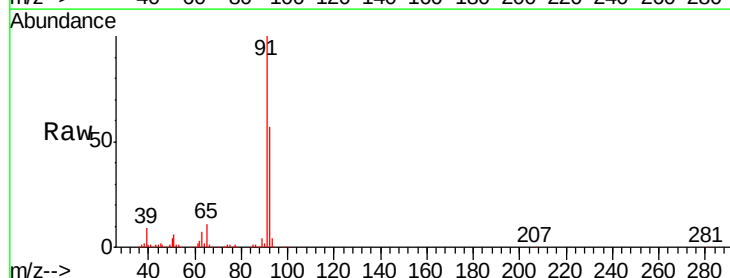
RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052492.D

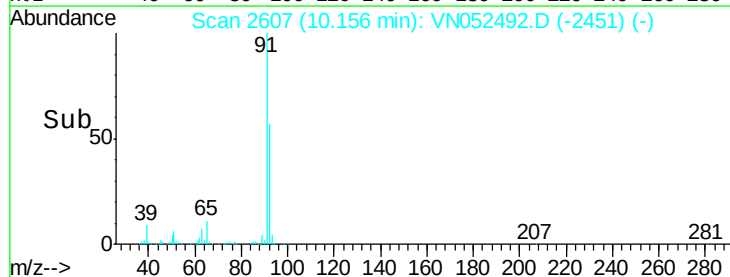
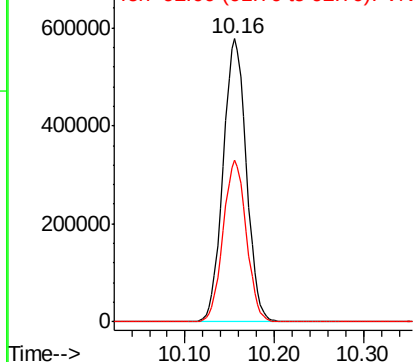
Acq: 27 Nov 2018 21:39

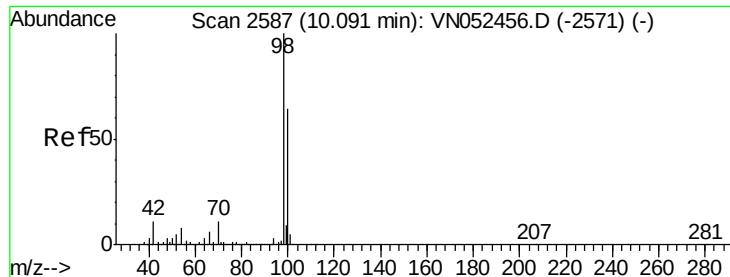
Tgt Ion:	91	Resp:	1041155
Ion Ratio	Lower	Upper	
91	100		
92	57.1	45.4	68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.63 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 1331894

Ion Ratio Lower Upper

98 100

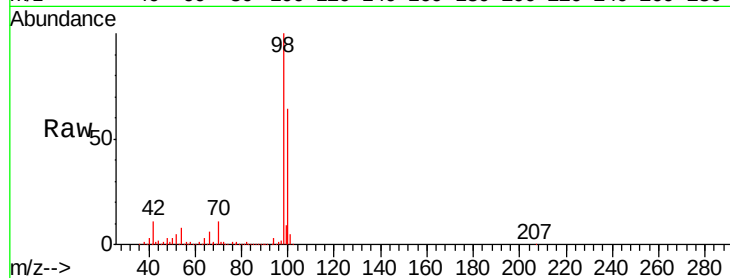
100 64.5 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

800000

600000

400000

200000

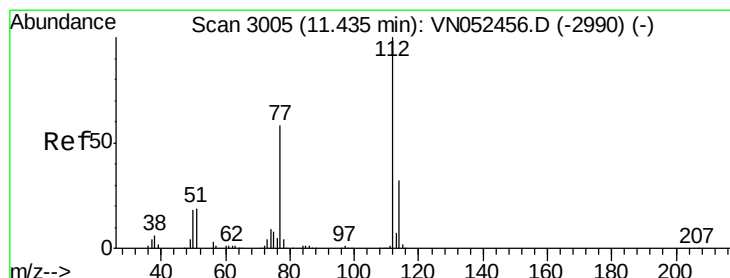
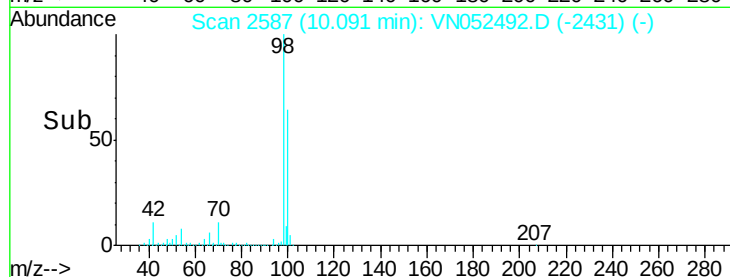
0

10.00

10.10

10.20

Time-->



#64

Chlorobenzene

Concen: 19.11 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052492.D

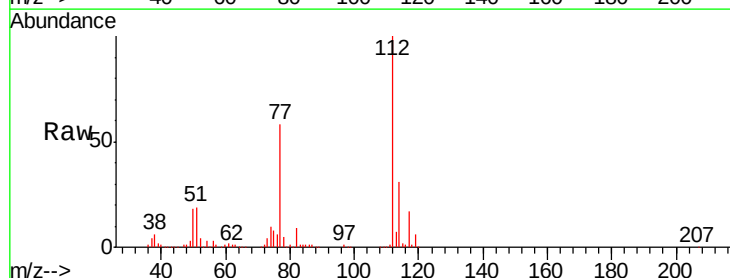
Acq: 27 Nov 2018 21:39

Tgt Ion: 112 Resp: 618574

Ion Ratio Lower Upper

112 100

114 31.2 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

400000

300000

200000

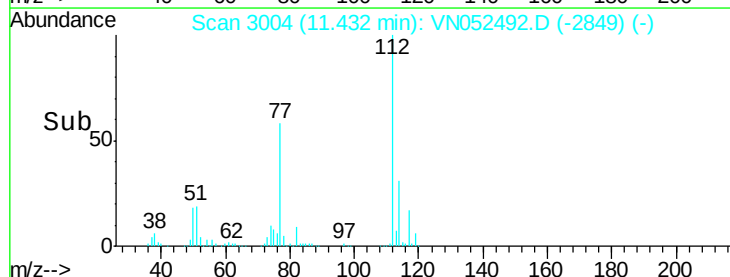
100000

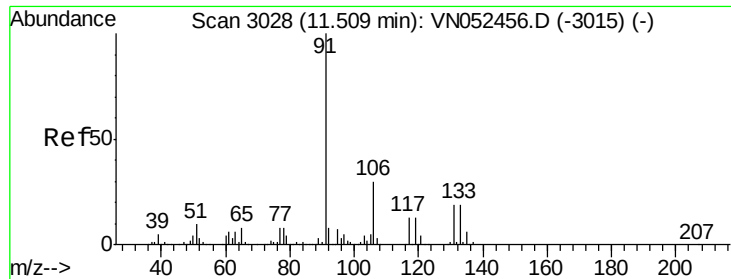
0

11.40

11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 18.77 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

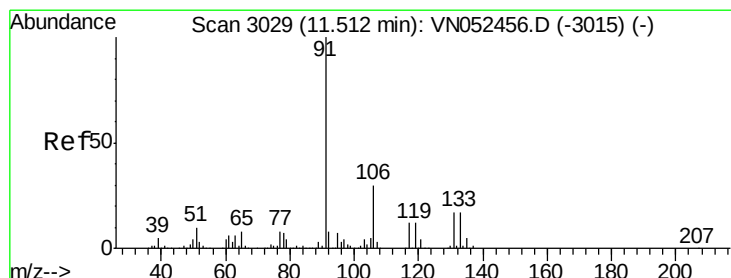
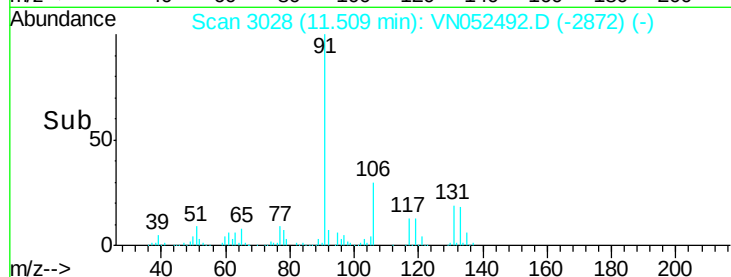
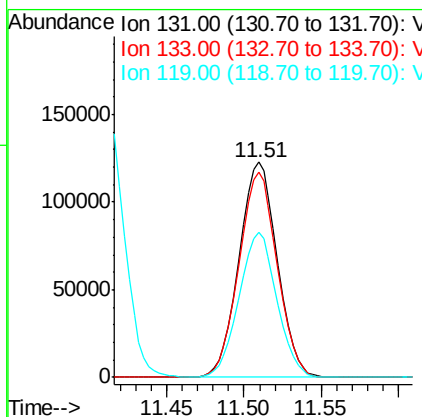
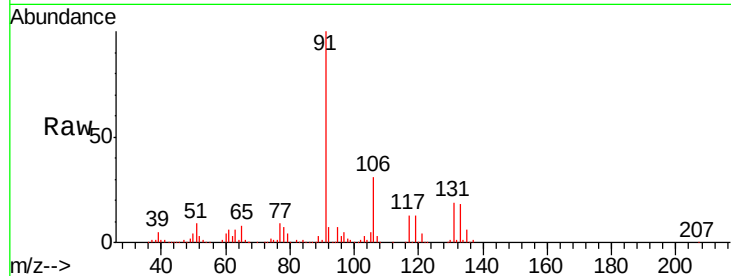
ClientSampleId :

VSTDCCC020

Tgt Ion:	131	Resp:	210889
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	193.4
119	66.6	0.0	133.0

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#66

Ethyl Benzene

Concen: 18.87 ug/l

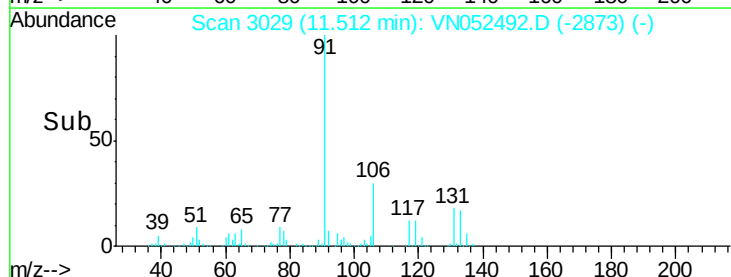
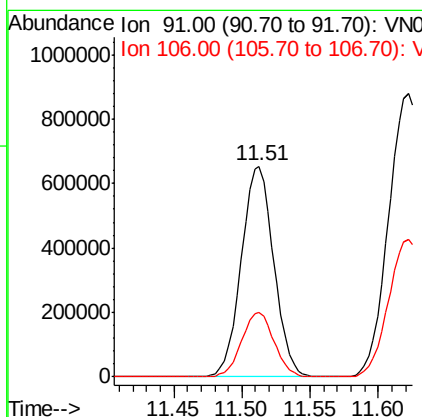
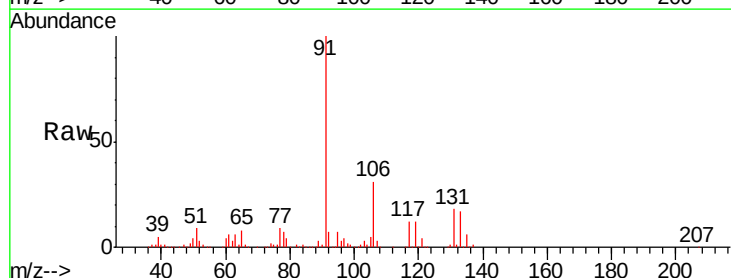
RT: 11.51 min Scan# 3029

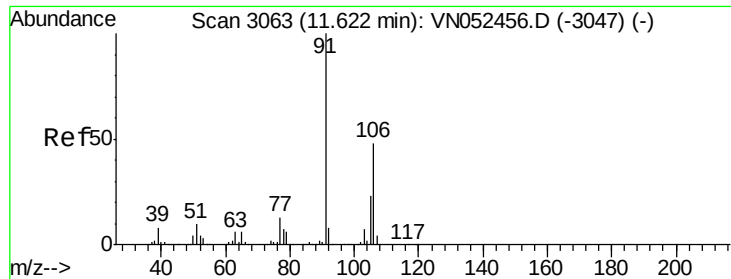
Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion:	91	Resp:	1078558
Ion Ratio	Lower	Upper	
91	100		
106	30.7	24.3	36.5





#67

m/p-Xylenes

Concen: 38.59 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:106 Resp: 821951

Ion Ratio Lower Upper

106 100

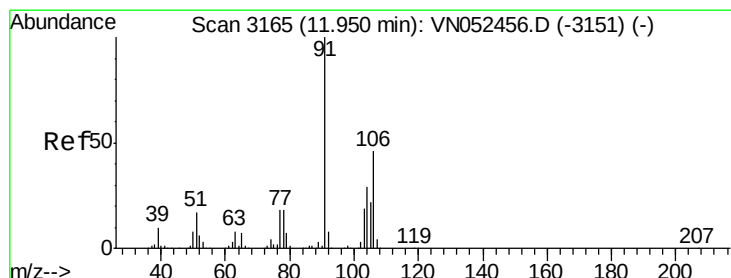
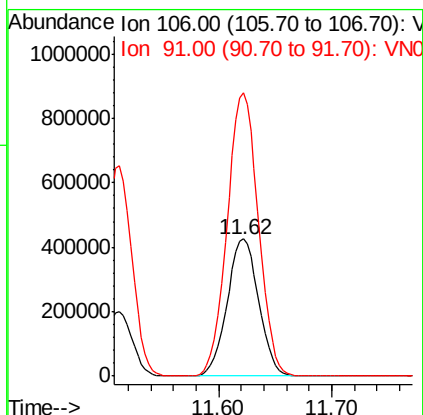
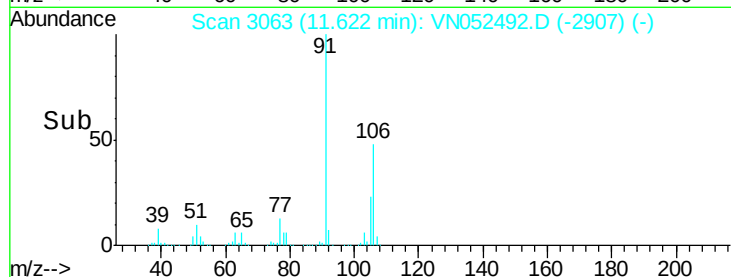
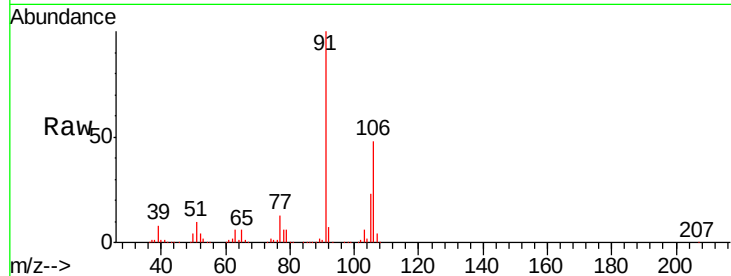
91 204.5 163.9 245.9

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#68

o-Xylene

Concen: 19.46 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052492.D

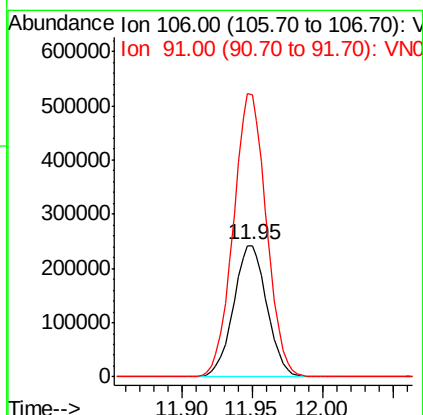
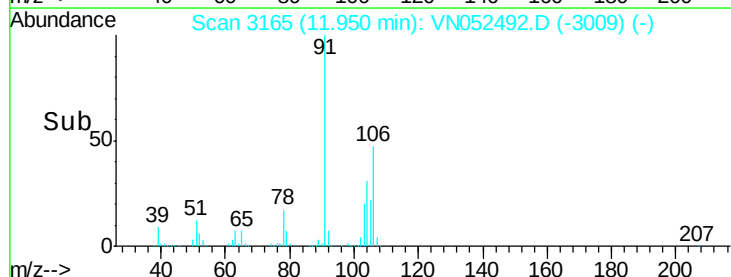
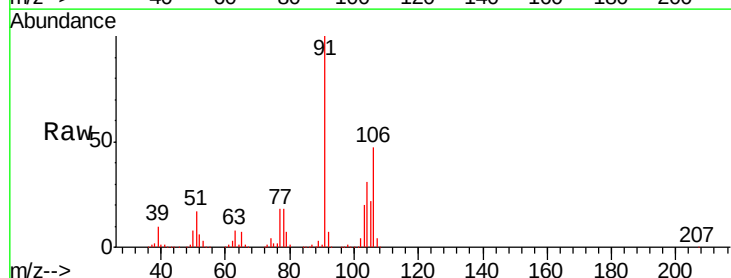
Acq: 27 Nov 2018 21:39

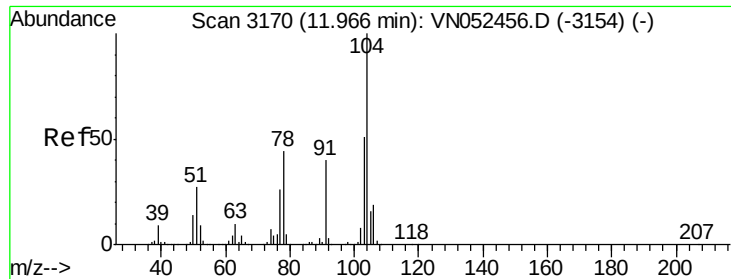
Tgt Ion:106 Resp: 402325

Ion Ratio Lower Upper

106 100

91 212.7 107.8 323.4





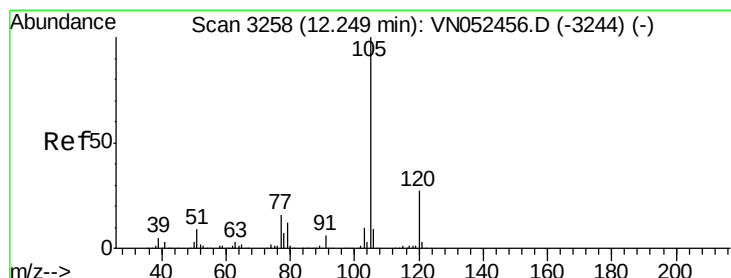
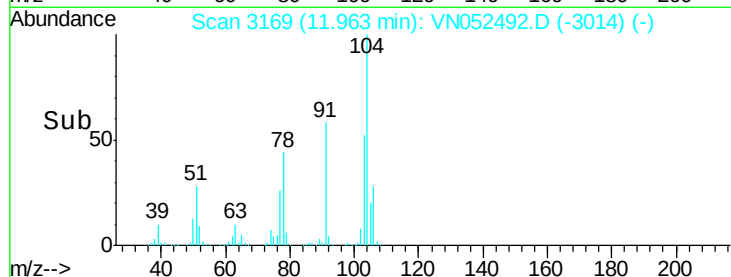
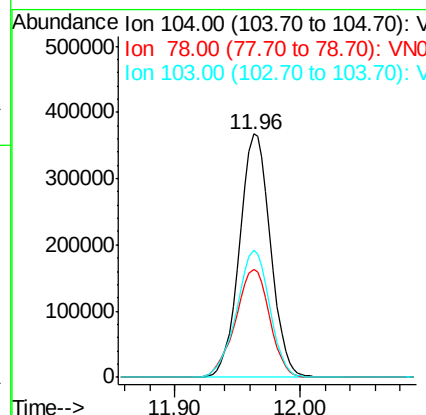
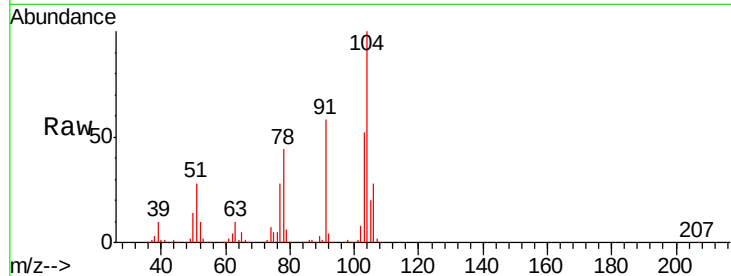
#69
Styrene
Concen: 18.90 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	56.1	44.6	66.8

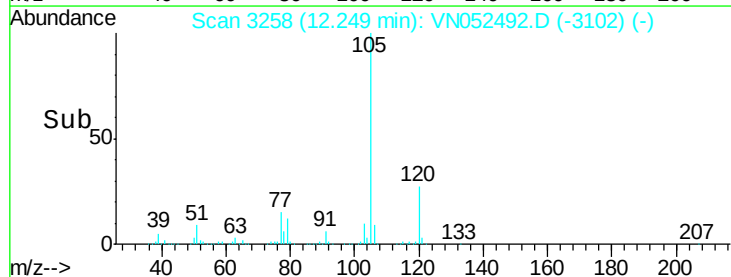
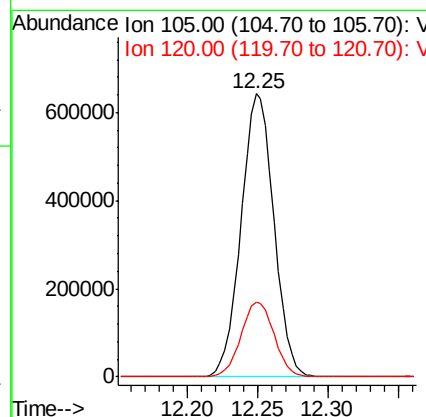
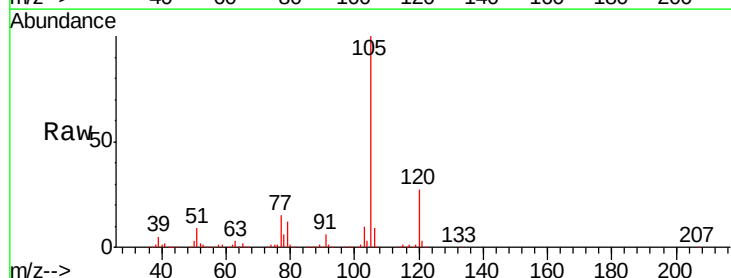
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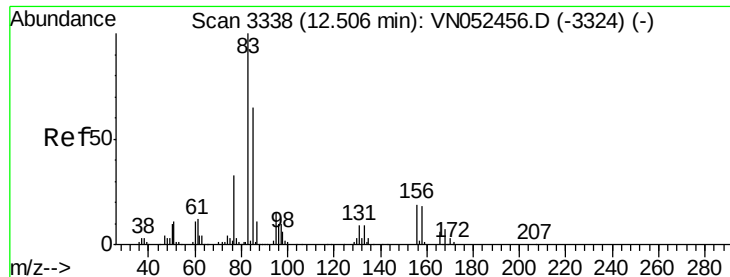
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#70
Isopropylbenzene
Concen: 19.01 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.6	34.6





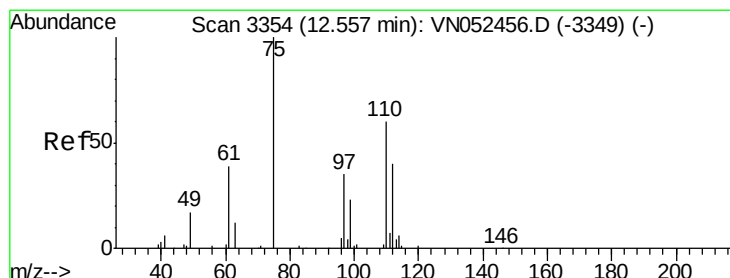
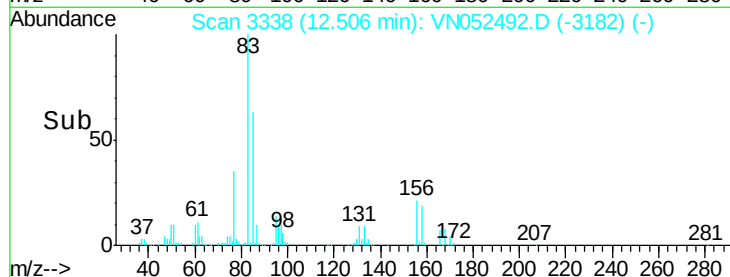
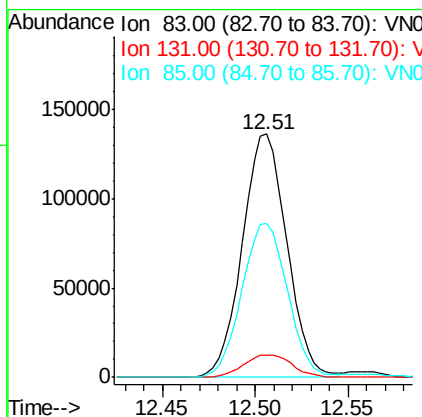
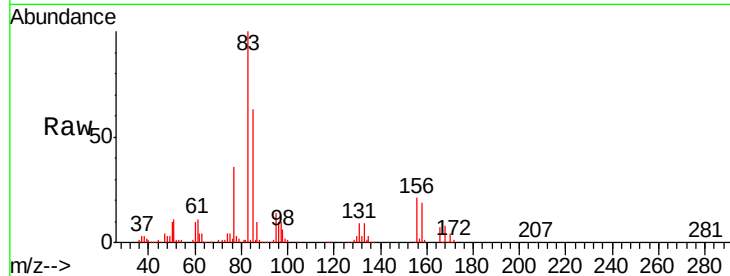
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.03 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.6
85	64.7	32.2	96.6

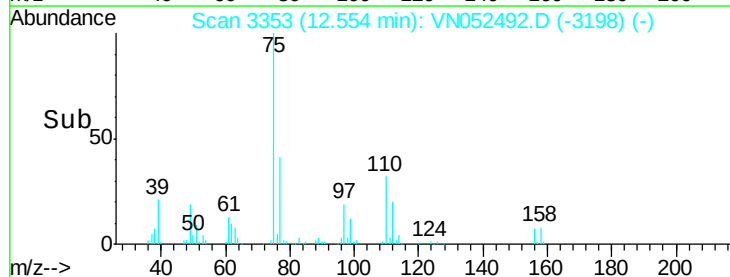
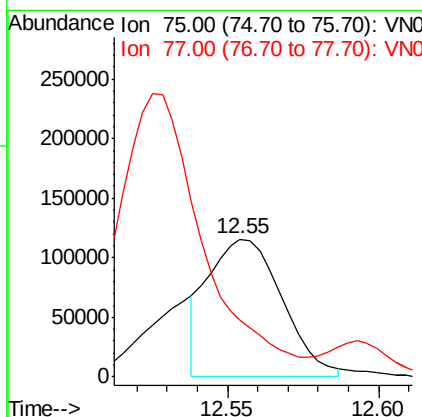
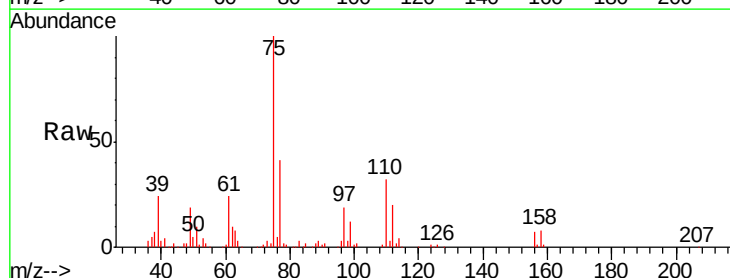
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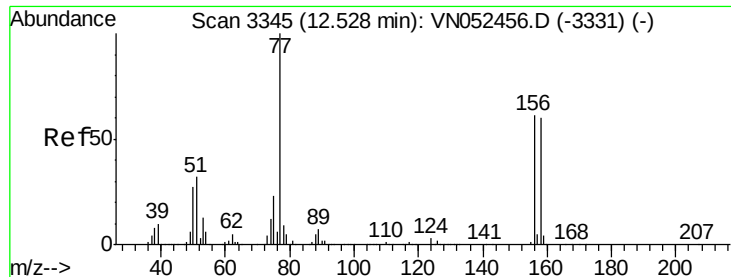
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#72
 1,2,3-Trichloropropane
 Concen: 18.99 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	241.4	0.0	514.8





#73

Bromobenzene

Concen: 19.41 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

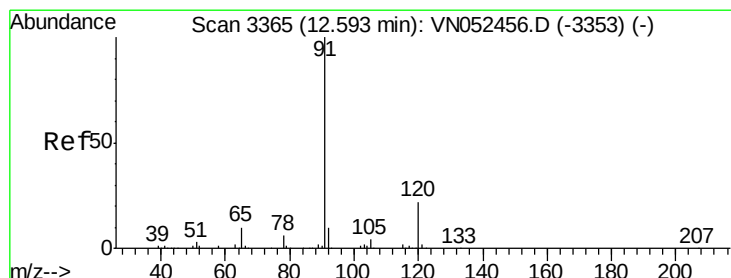
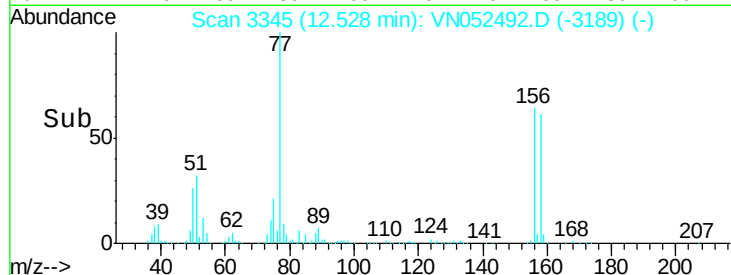
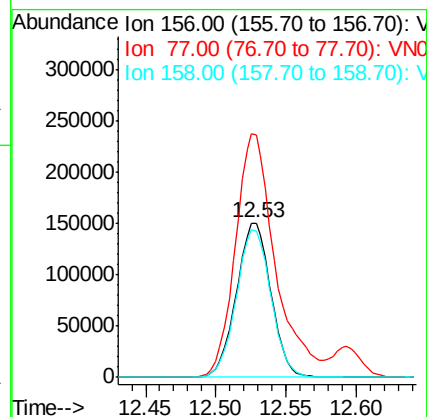
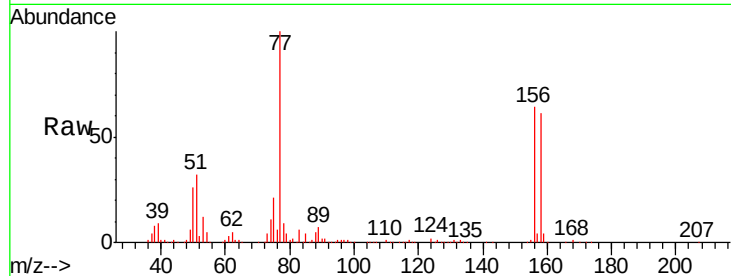
ClientSampleId :

VSTDCCC020

Tgt Ion:	156	Resp:	258191
Ion Ratio	Lower	Upper	
156	100		
77	182.3	0.0	382.6
158	96.2	0.0	196.8

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#74

n-propylbenzene

Concen: 18.46 ug/l

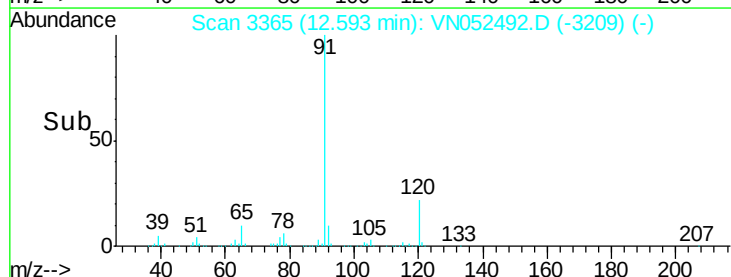
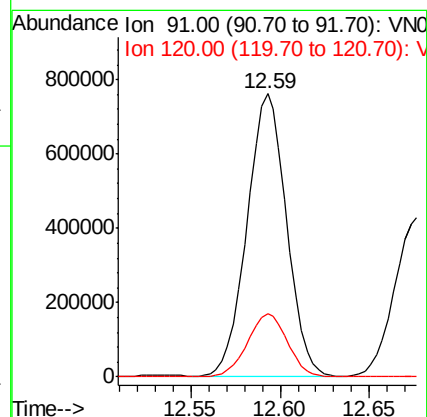
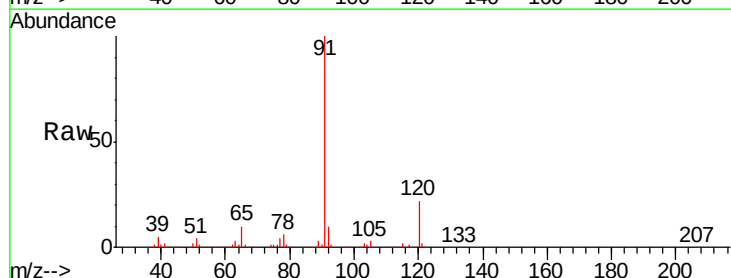
RT: 12.59 min Scan# 3365

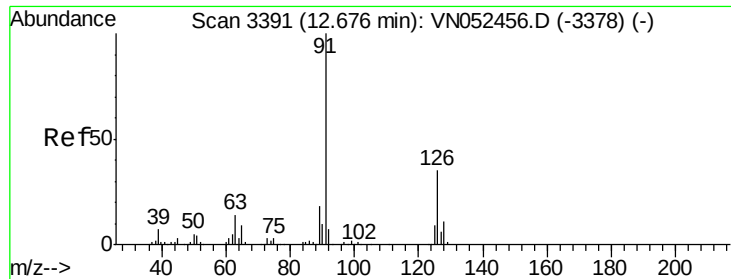
Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion:	91	Resp:	1182628
Ion Ratio	Lower	Upper	
91	100		
120	22.5	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.16 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 91 Resp: 712826

Ion Ratio Lower Upper

91 100

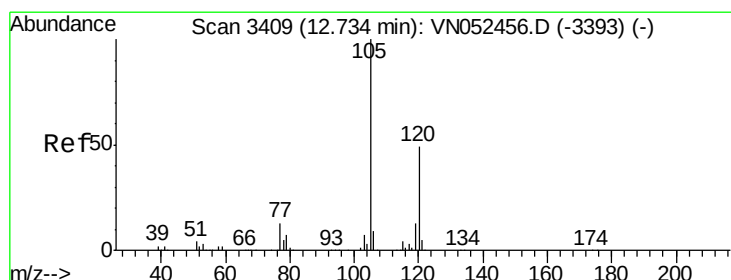
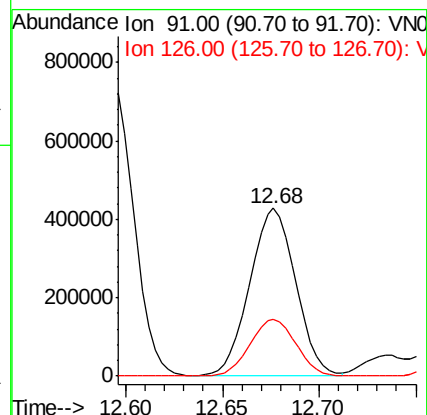
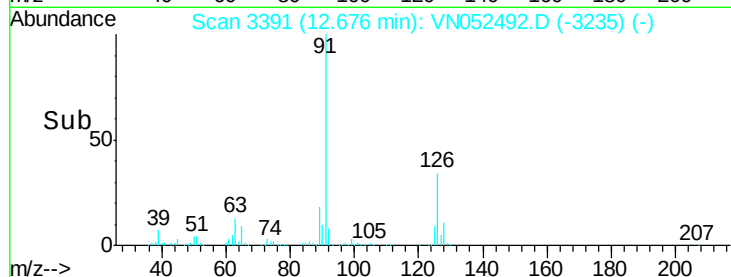
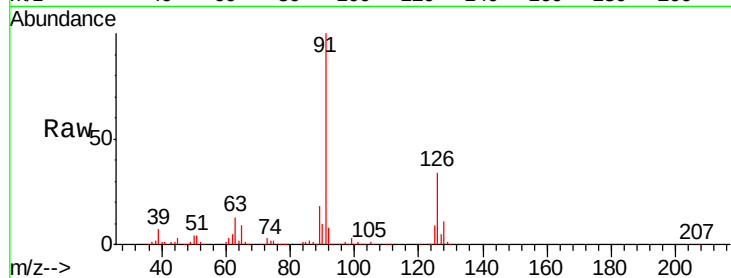
126 33.8 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.17 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052492.D

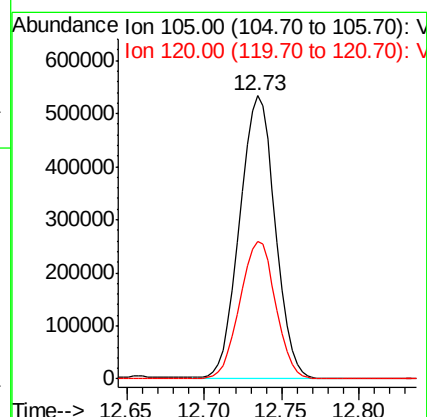
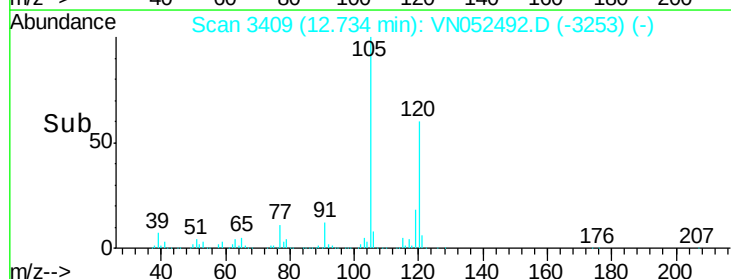
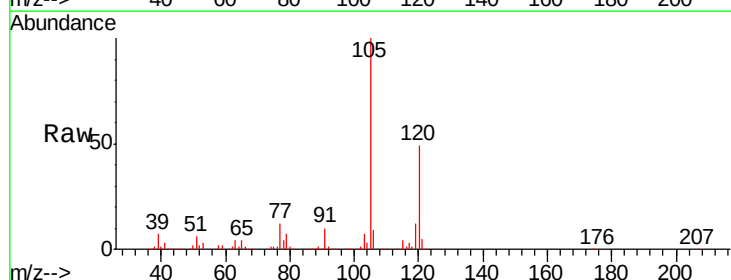
Acq: 27 Nov 2018 21:39

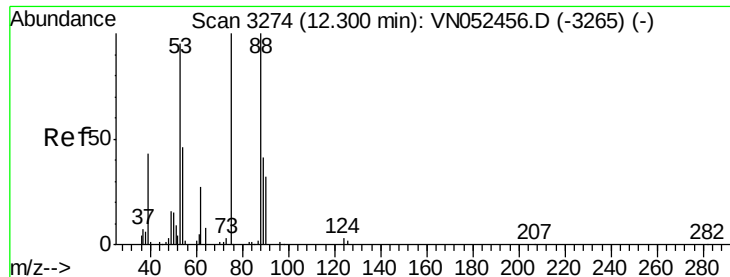
Tgt Ion: 105 Resp: 851383

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 16.75 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

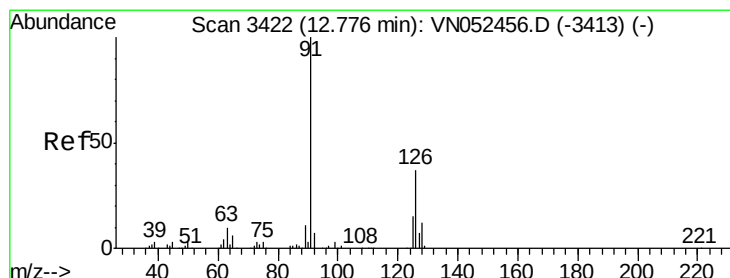
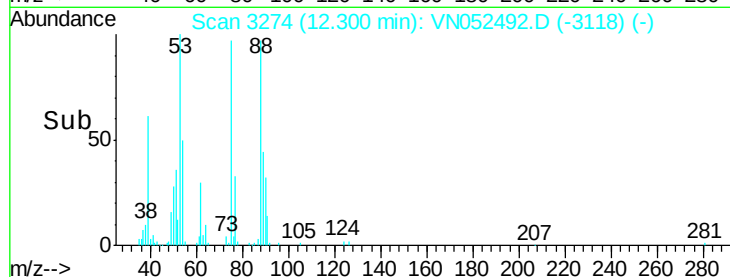
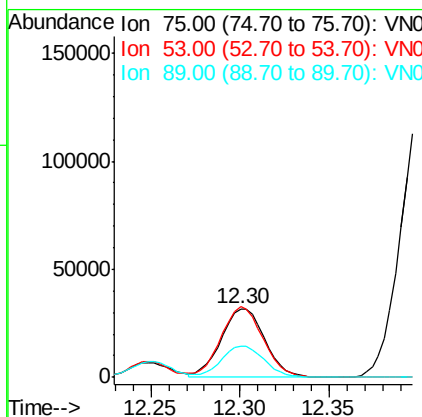
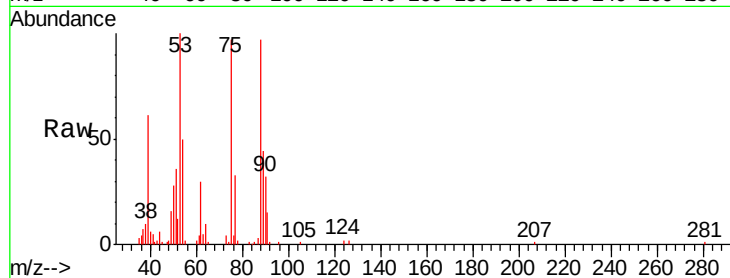
ClientSampleId :

VSTDCCC020

Tgt Ion:	75	Resp:	54354
Ion	Ratio	Lower	Upper
75	100		
53	102.3	48.5	145.6
89	45.1	21.7	65.1

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#78

4-Chlorotoluene

Concen: 18.53 ug/l

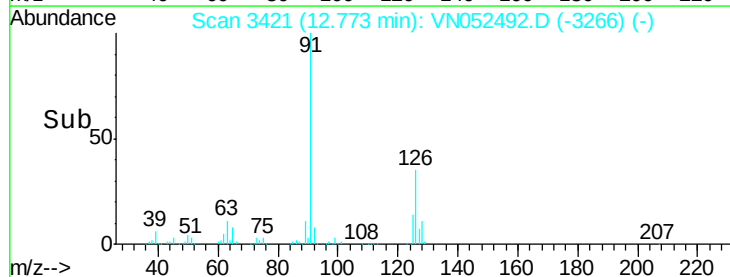
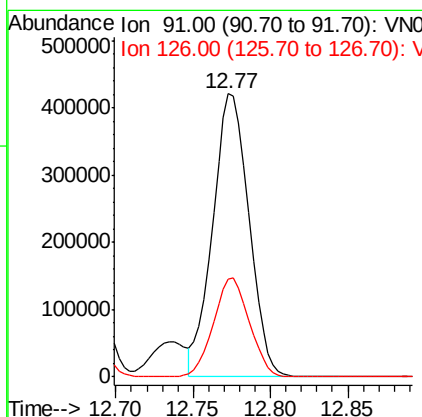
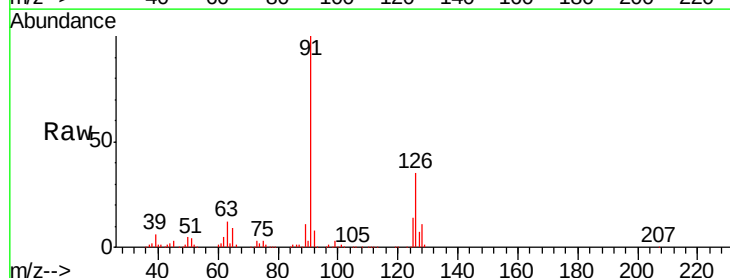
RT: 12.77 min Scan# 3421

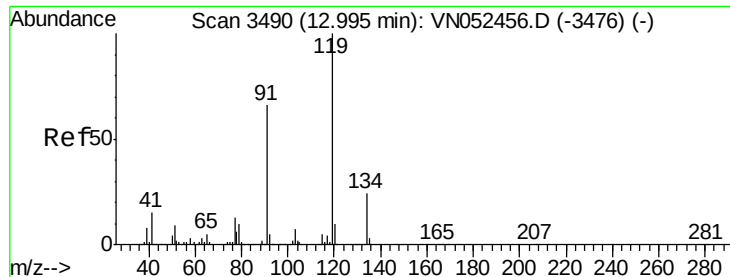
Delta R.T. -0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion:	91	Resp:	688429
Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	68.2





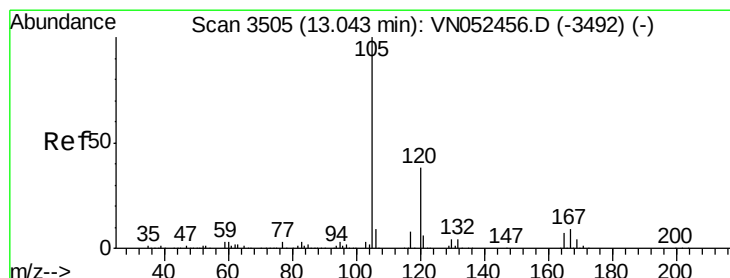
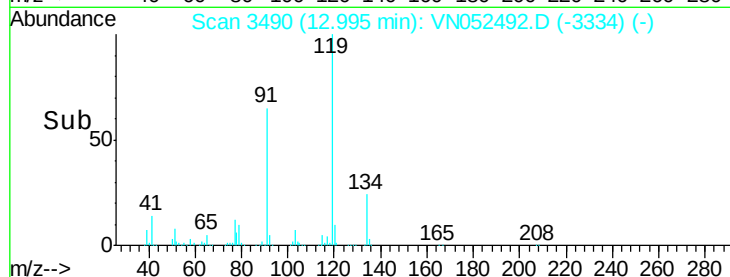
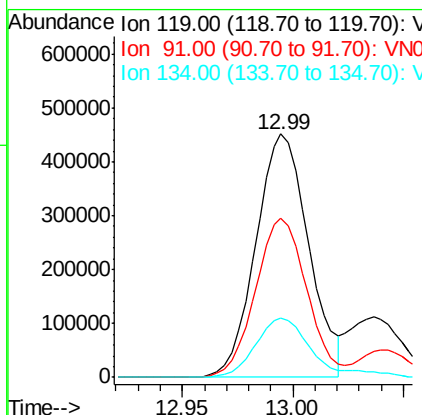
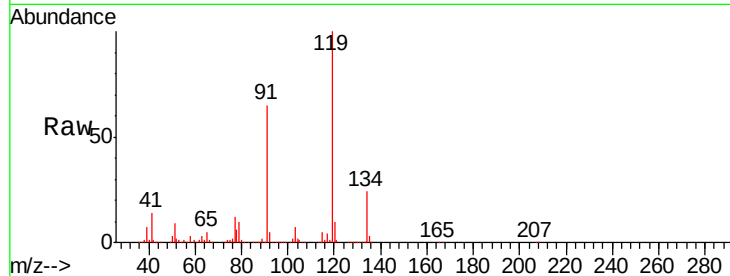
#79
 tert-butylbenzene
 Concen: 19.33 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	747729		
91	63.8	0.0	129.8	
134	24.4	0.0	52.2	

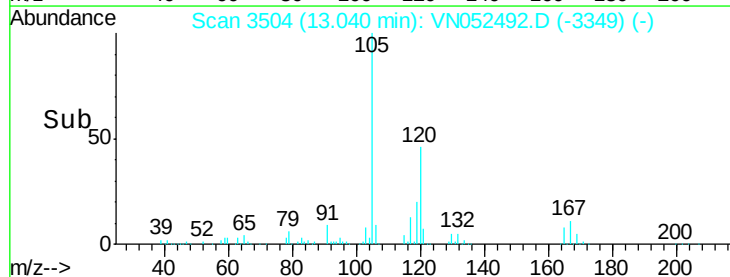
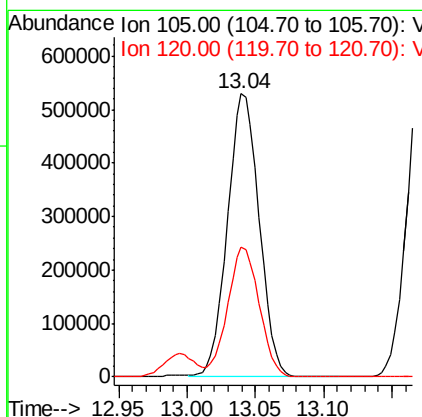
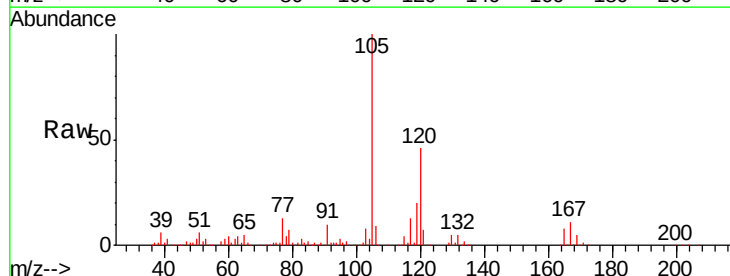
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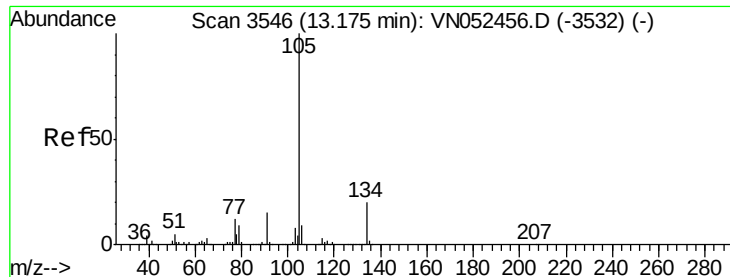
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#80
 1,2,4-Trimethylbenzene
 Concen: 19.25 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	855791		
120	46.0	0.0	91.0	





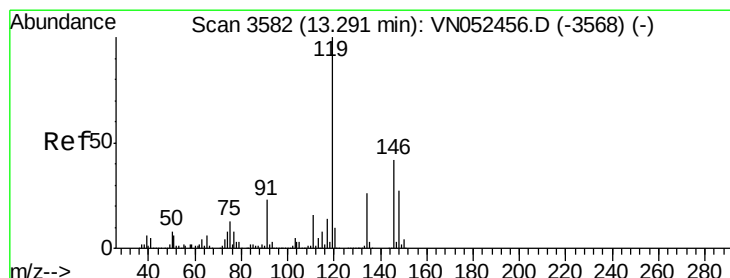
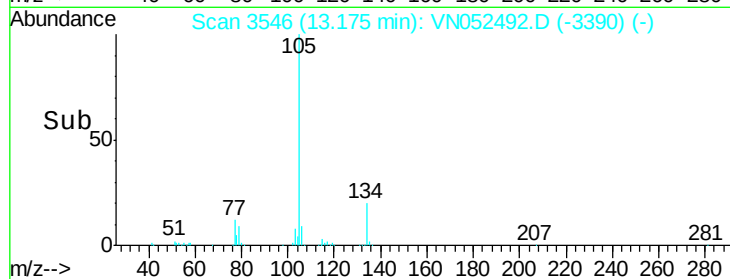
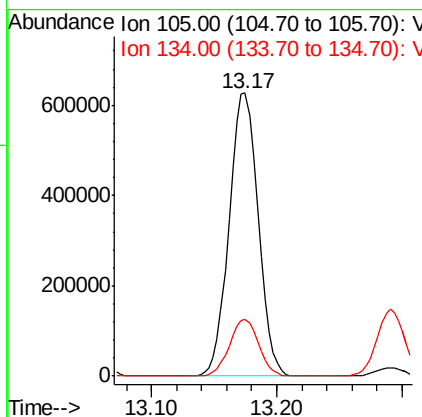
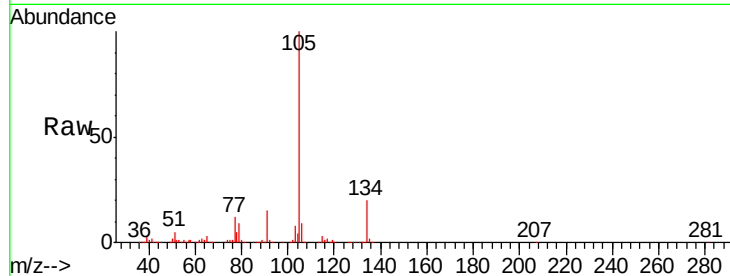
#81
 sec-Butylbenzene
 Concen: 18.75 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:105 Resp: 1010580
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.4

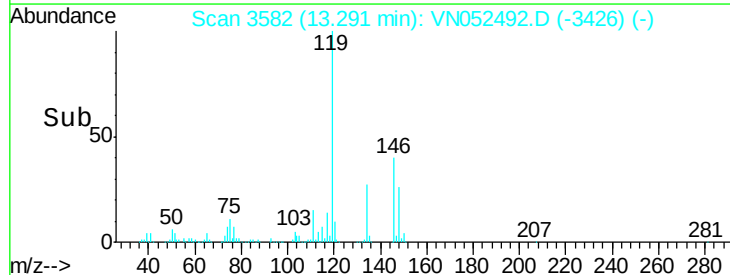
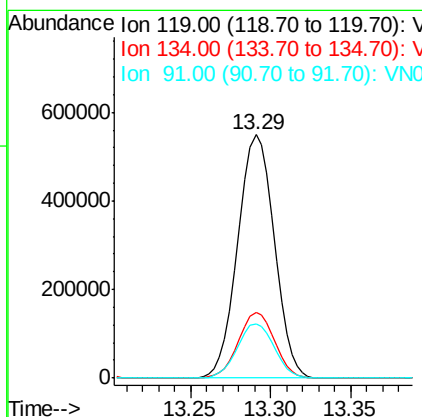
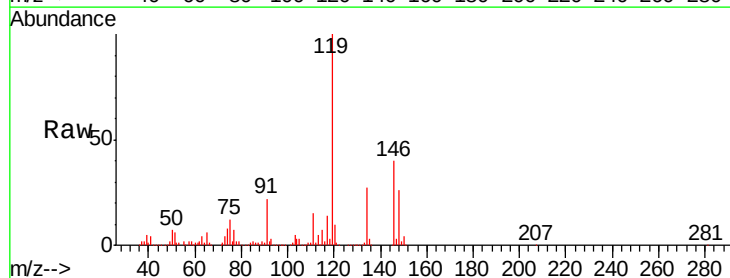
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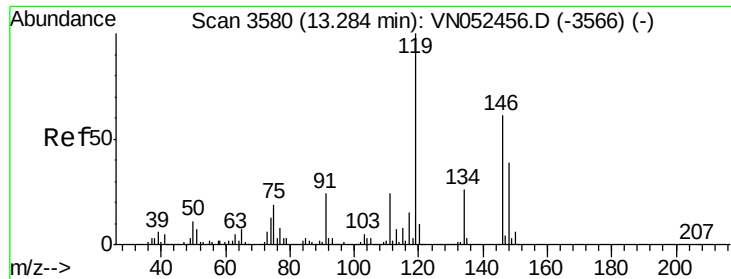
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 11/28/2018 9:32:26 AM



#82
 p-Isopropyltoluene
 Concen: 18.64 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion:119 Resp: 855263
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.6
 91 22.5 0.0 46.2





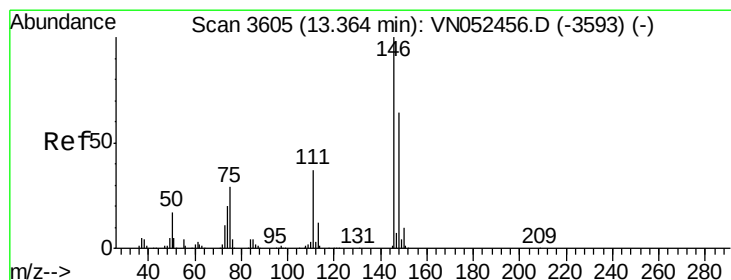
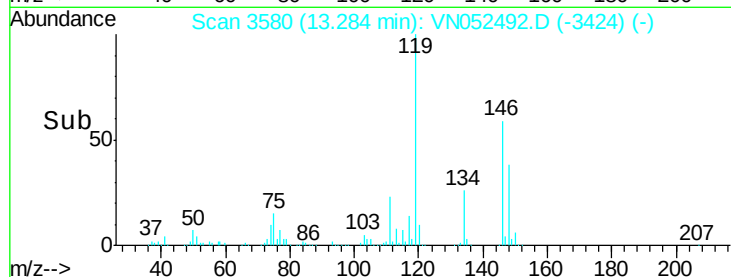
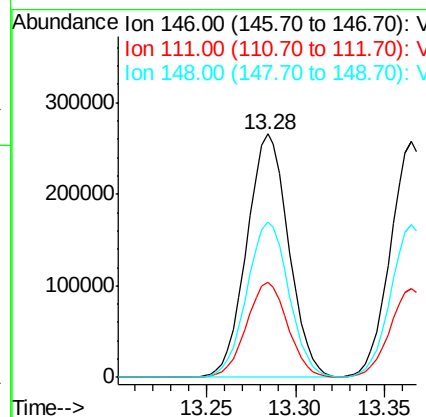
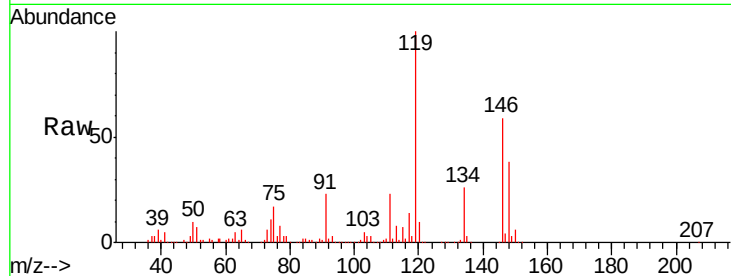
#83
 1,3-Dichlorobenzene
 Concen: 18.61 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	64.3	32.3	96.8

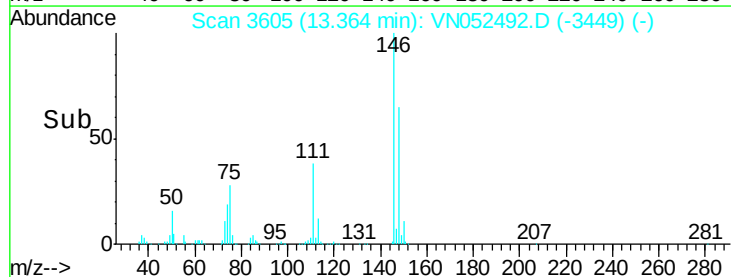
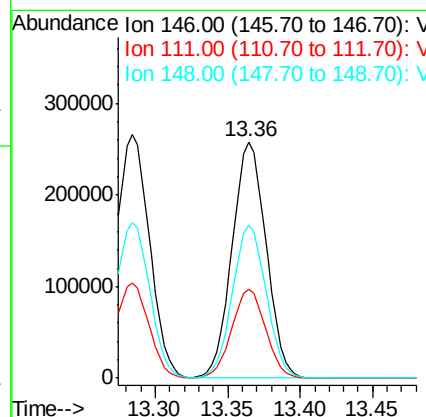
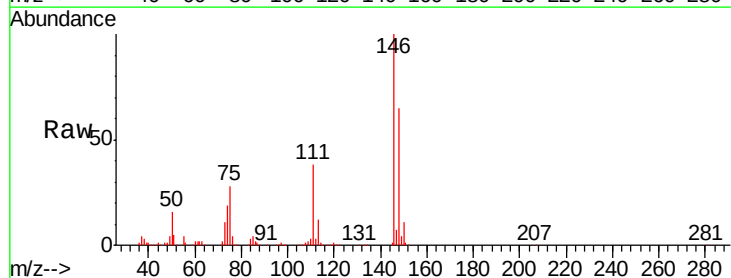
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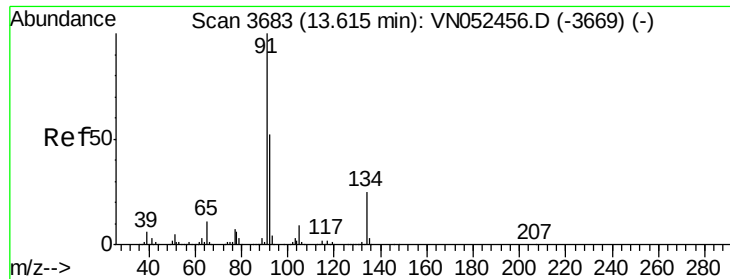
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#84
 1,4-Dichlorobenzene
 Concen: 18.64 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	64.4	32.5	97.4





#85

n-Butylbenzene

Concen: 17.56 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

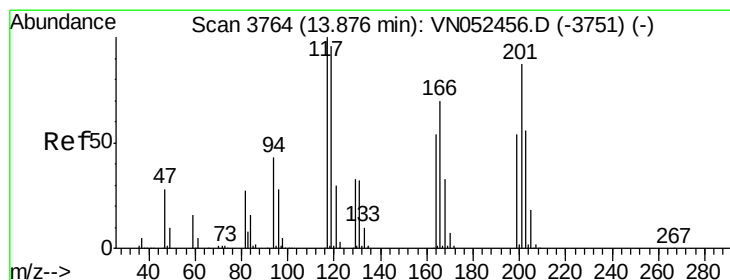
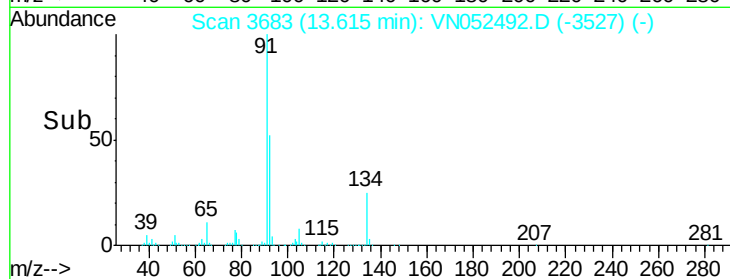
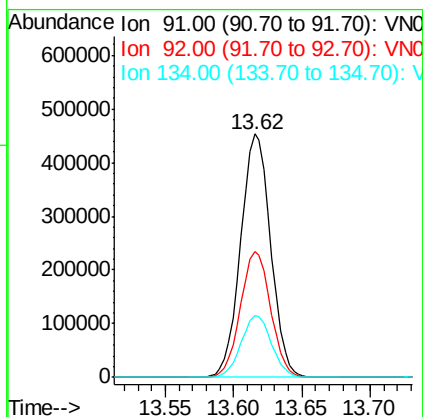
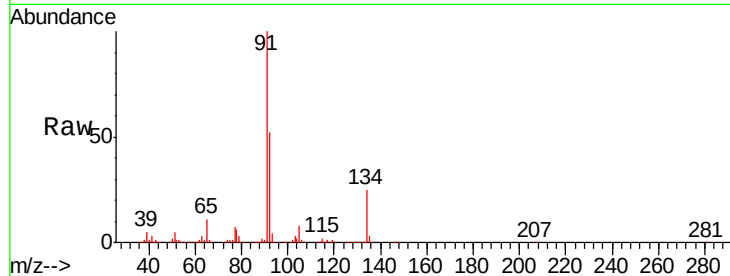
ClientSampleId :

VSTDCCC020

Tgt Ion:	91	Resp:	692163
Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	104.2
134	25.9	0.0	50.6

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#86

Hexachloroethane

Concen: 17.69 ug/l

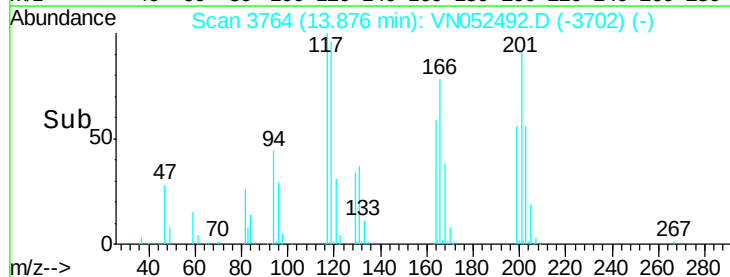
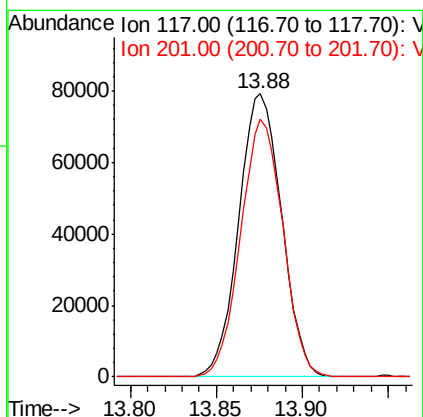
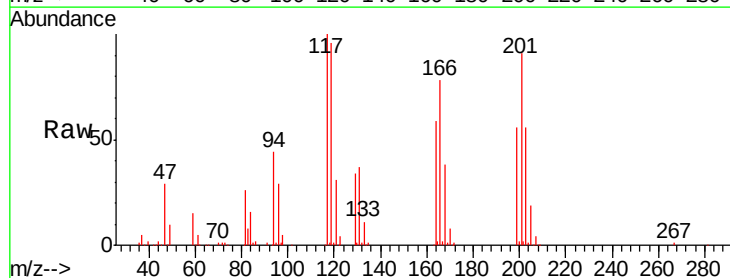
RT: 13.88 min Scan# 3764

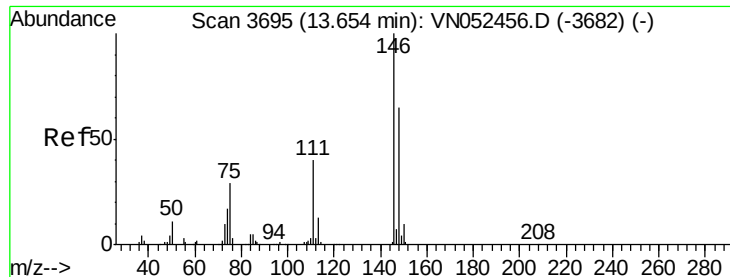
Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion:	117	Resp:	137508
Ion	Ratio	Lower	Upper
117	100		
201	89.4	43.8	131.3





#87

1,2-Dichlorobenzene

Concen: 19.14 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Instrument :

MSVOA_N

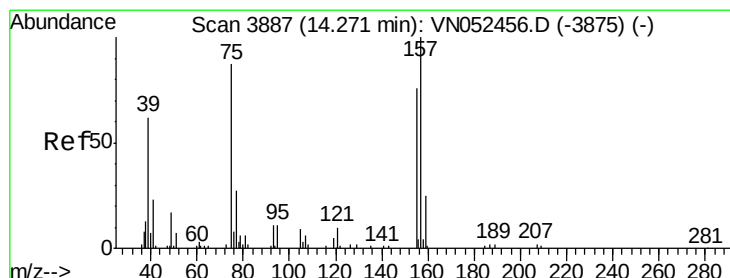
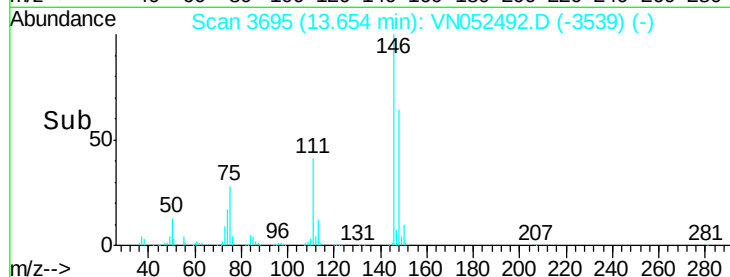
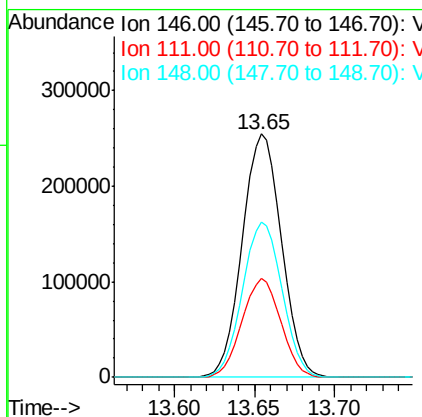
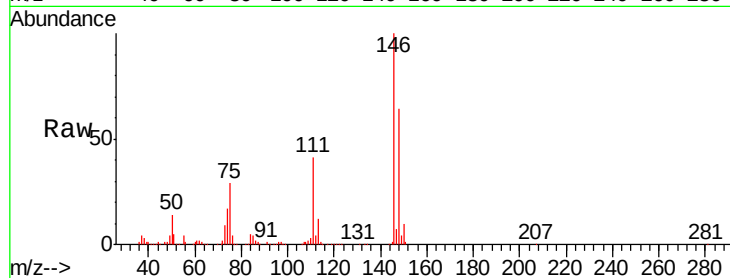
ClientSampleId :

VSTDCCC020

Tgt Ion:	146	Resp:	426097
Ion Ratio		Lower	Upper
146	100		
111	40.2	20.3	60.8
148	64.3	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.98 ug/l

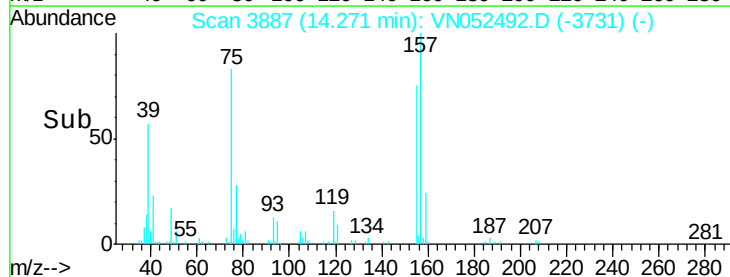
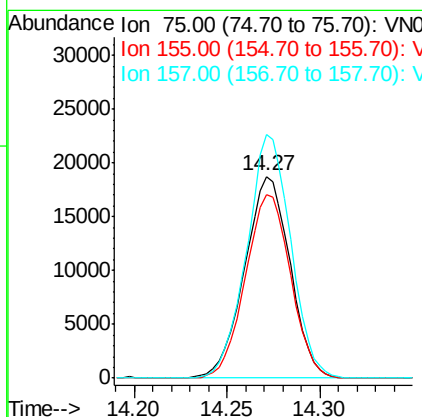
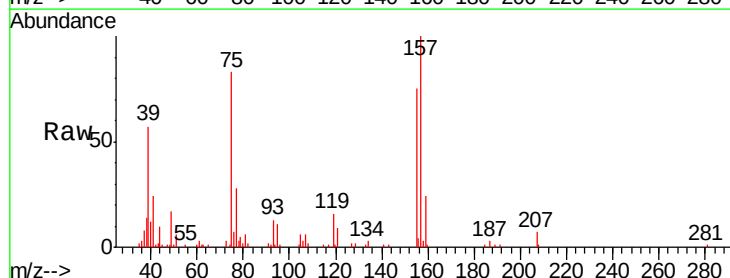
RT: 14.27 min Scan# 3887

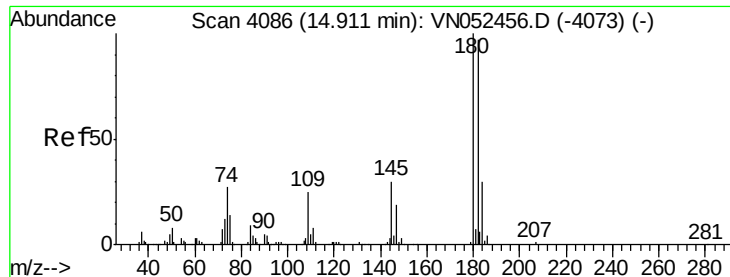
Delta R.T. 0.00 min

Lab File: VN052492.D

Acq: 27 Nov 2018 21:39

Tgt Ion:	75	Resp:	31808
Ion Ratio		Lower	Upper
75	100		
155	90.4	72.2	108.2
157	117.1	94.2	141.2





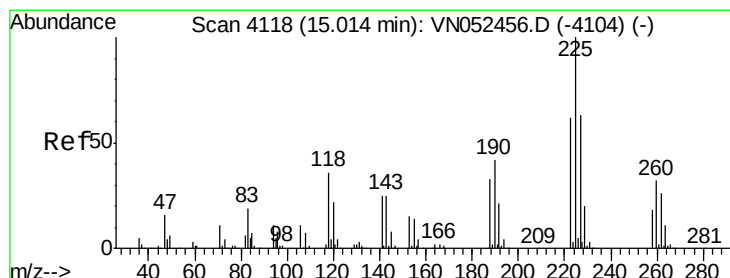
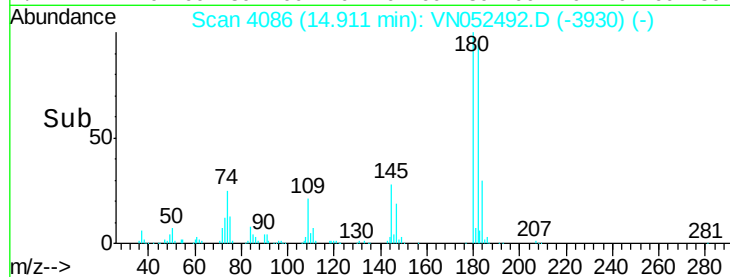
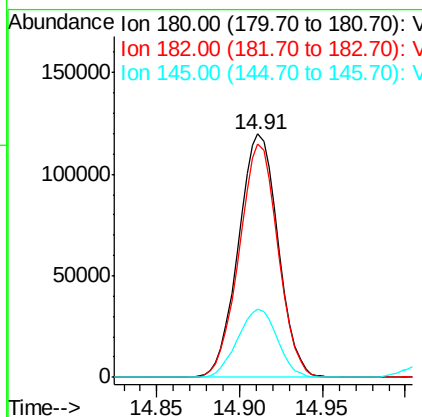
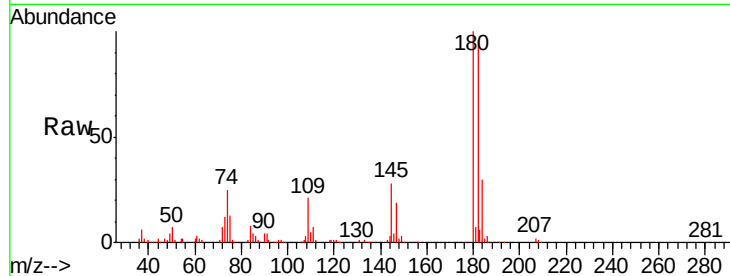
#89
 1,2,4-Trichlorobenzene
 Concen: 18.16 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	199159		
182	93.9	76.6	114.8	
145	28.3	23.6	35.4	

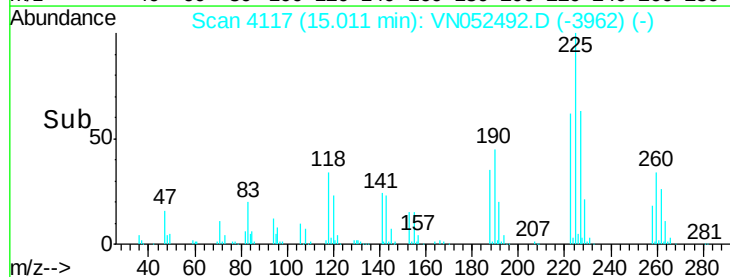
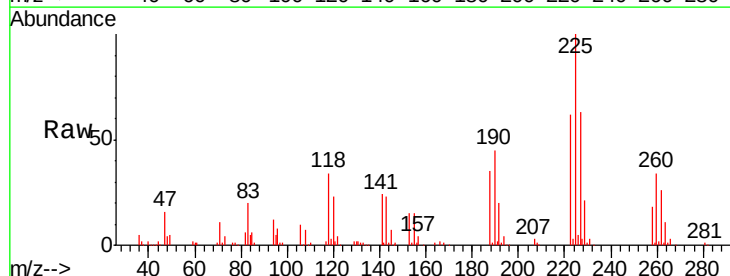
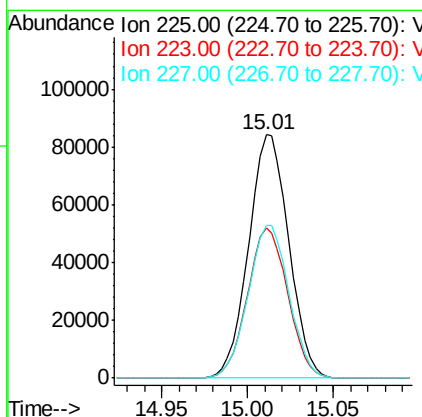
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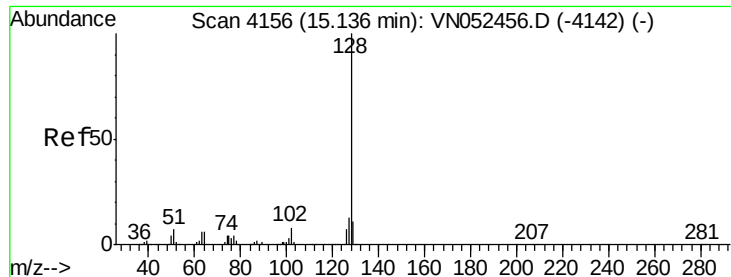
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#90
 Hexachlorobutadiene
 Concen: 19.00 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052492.D
 Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	136687		
223	61.9	0.0	125.6	
227	63.6	0.0	127.8	





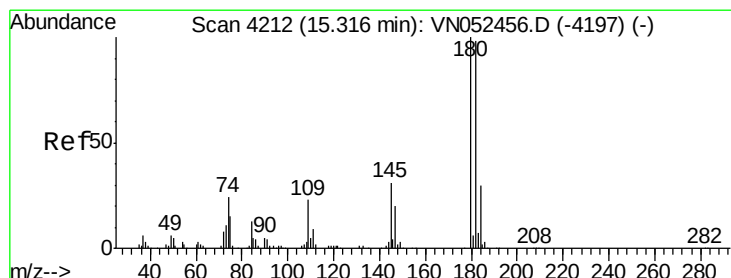
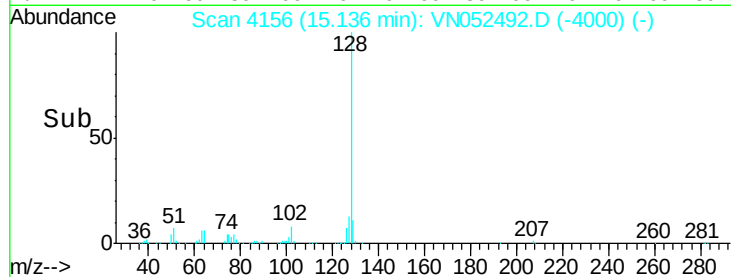
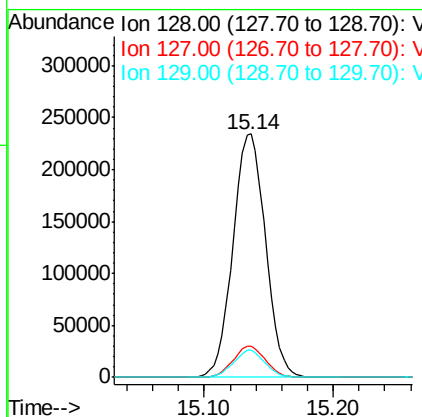
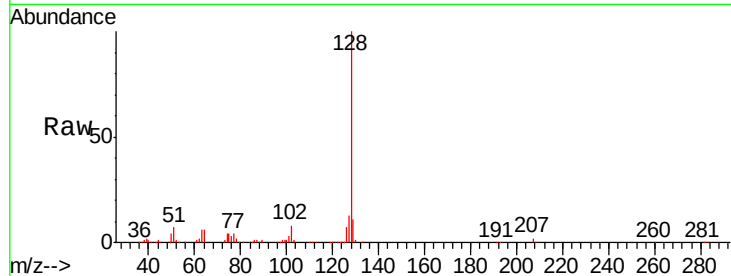
#91
Naphthalene
Concen: 18.55 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.8	9.9	14.9
129	10.8	8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 18.61 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052492.D
Acq: 27 Nov 2018 21:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.2	0.0	196.2
145	30.7	0.0	62.2

