

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052455.D
 Acq On : 26 Nov 2018 12:51
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:09 PM

Quant Time: Nov 27 00:40:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:15:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	157533	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	920924	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	787805	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	326559	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	12.40	95	339589	28.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.90%
63) Toluene-d8	10.09	98	1117226	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	44027	4.91	ug/l	96
3) Chloromethane	2.06	50	58862	4.95	ug/l	100
4) Vinyl Chloride	2.19	62	58762	4.89	ug/l	93
5) Bromomethane	2.58	94	34349	5.02	ug/l	96
6) Chloroethane	2.71	64	34913	4.89	ug/l	95
7) Trichlorofluoromethane	3.03	101	75255	5.08	ug/l	96
8) Diethyl Ether	3.41	74	27177	4.97	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	48317	5.14	ug/l	98
10) 1,1-Dichloroethene	3.74	96	42920	4.86	ug/l	97
11) Methyl Iodide	3.96	142	47701	3.89	ug/l	99
12) Methyl Acetate	4.33	43	35753	4.76	ug/l	97
13) Acrolein	3.61	56	20254	22.97	ug/l	98
14) Acrylonitrile	5.00	53	72864	22.78	ug/l	99
15) Acetone	3.82	58	20536	24.79	ug/l	99
16) Carbon Disulfide	4.06	76	137151	4.90	ug/l	100
17) Allyl chloride	4.33	41	68159	4.42	ug/l	100
18) Methylene Chloride	4.55	84	52844	5.17	ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	46356	4.88	ug/l	97
20) Diisopropyl ether	5.95	45	153457	4.74	ug/l	95
21) 1,1-Dichloroethane	5.85	63	89806	4.87	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	52151	4.79	ug/l	98
23) tert-Butyl Alcohol	4.78	59	10477	22.02	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	107331	4.63	ug/l #	76
25) Chloroform	7.37	83	89363	5.02	ug/l	96
26) Cyclohexane	7.66	56	81800	4.70	ug/l #	100
29) 1,1-Dichloropropene	7.80	75	65332	4.65	ug/l	98
30) 2-Butanone	6.84	43	87738	23.32	ug/l #	97
31) 2,2-Dichloropropane	6.82	77	60277	4.66	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	70330	4.81	ug/l	98
33) Carbon Tetrachloride	7.77	117	60387	4.72	ug/l	98
34) Benzene	8.04	78	204462	4.84	ug/l #	73
35) Methacrylonitrile	7.18	41	20024	3.08	ug/l	97
36) 1,2-Dichloroethane	8.12	62	63861	4.98	ug/l	100
37) Trichloroethene	8.84	130	53111	4.95	ug/l	94
38) Methylcyclohexane	9.08	83	82530	4.74	ug/l	99
39) 1,2-Dichloropropane	9.12	63	54591	4.82	ug/l	97
40) Dibromomethane	9.21	93	29360	4.79	ug/l	99

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	65407	4.83	ug/l	97
42) Vinyl Acetate	5.90	43	444371	21.82	ug/l	99
43) Ethyl Acetate	6.93	43	35747	2.14	ug/l #	67
44) Isopropyl Acetate	8.16	43	60605	4.32	ug/l	99
45) 1,4-Dioxane	9.20	88	6881	89.63	ug/l #	93
46) Methyl methacrylate	9.20	41	30519	4.19	ug/l	97
47) n-amyl Acetate	12.07	43	43159	3.71	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	54948	4.19	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	70977	4.44	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	40892	4.71	ug/l	98
51) Ethyl methacrylate	10.43	69	45712	4.19	ug/l	98
52) 1,3-Dichloropropane	10.71	76	73916	4.78	ug/l	97
53) Dibromochloromethane	10.90	129	42993	4.50	ug/l	96
54) 1,2-Dibromoethane	11.01	107	37840	4.46	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	132871	20.82	ug/l	100
56) Bromoform	12.13	173	27145	4.34	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	173610	22.73	ug/l	99
59) 2-Hexanone	10.75	43	116858	22.40	ug/l	98
61) Tetrachloroethene	10.63	164	50342	5.19	ug/l	96
62) Toluene	10.16	91	216625	4.99	ug/l	100
64) Chlorobenzene	11.43	112	129497	4.89	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	44441	4.83	ug/l	96
66) Ethyl Benzene	11.51	91	219471	4.69	ug/l	98
67) m/p-Xylenes	11.62	106	163445	9.37	ug/l	98
68) o-Xylene	11.95	106	80553	4.76	ug/l	98
69) Styrene	11.97	104	120064	4.39	ug/l	99
70) Isopropylbenzene	12.25	105	210356	4.67	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	45552	4.65	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	40455m	4.95	ug/l	
73) Bromobenzene	12.53	156	50234	4.61	ug/l	99
74) n-propylbenzene	12.59	91	238307	4.54	ug/l	100
75) 2-Chlorotoluene	12.68	91	141652	4.65	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	168849	4.64	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	10386	3.91	ug/l	100
78) 4-Chlorotoluene	12.77	91	134816	4.43	ug/l	99
79) tert-butylbenzene	12.99	119	146468	4.62	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	161741	4.44	ug/l	100
81) sec-Butylbenzene	13.17	105	203954	4.62	ug/l	97
82) p-Isopropyltoluene	13.29	119	166937	4.44	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	84543	4.41	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	78271	4.23	ug/l	99
85) n-Butylbenzene	13.62	91	132280	4.10	ug/l	97
86) Hexachloroethane	13.88	117	28445	4.47	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	82435	4.52	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	5702	4.16	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	27531	3.07	ug/l	97
90) Hexachlorobutadiene	15.01	225	28301	4.80	ug/l	98
91) Naphthalene	15.14	128	52483	2.89	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	27850	3.36	ug/l	97

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 28

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MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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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

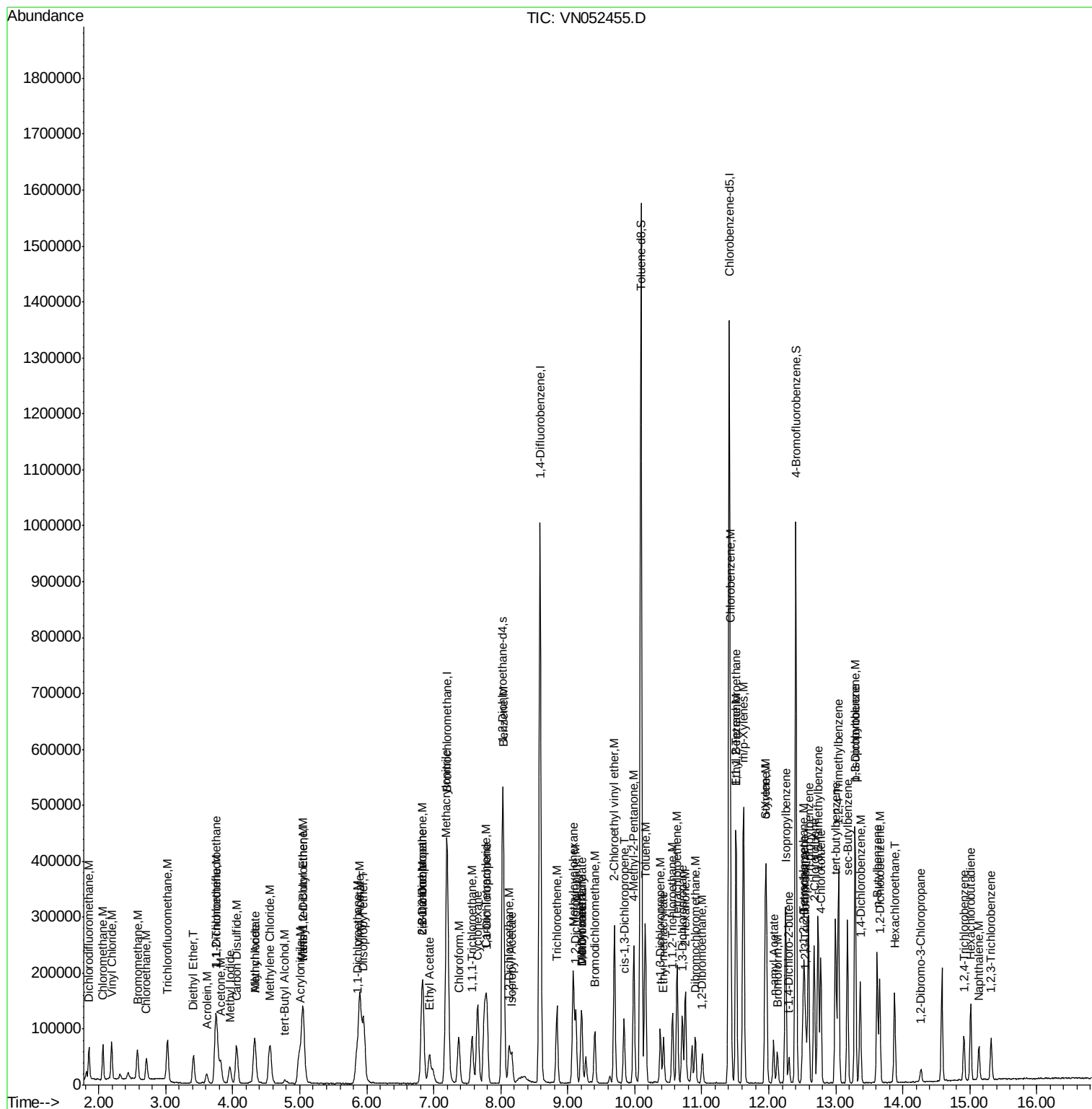
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
Data File : VN052455.D
Acq On : 26 Nov 2018 12:51
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ALS Vial : 2 Sample Multiplier: 28

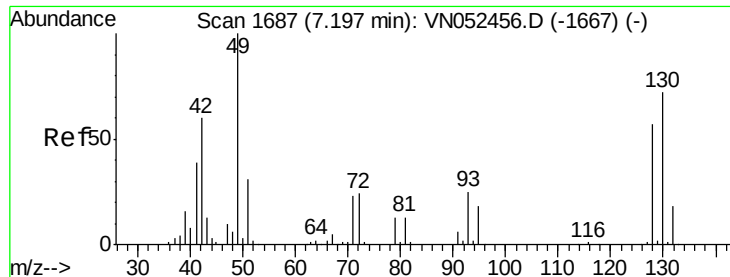
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

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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: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

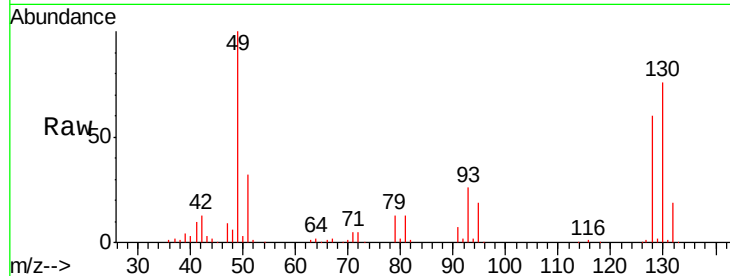
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	157533		
49	172.0	0.0	431.8	
130	128.5	0.0	317.0	

Manual Integrations
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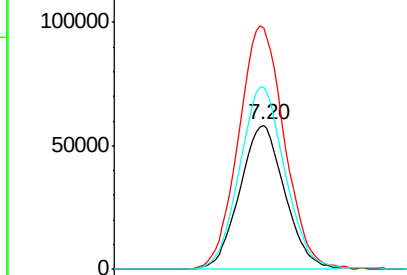
MMDadoda
11/27/2018 3:52:09 PM



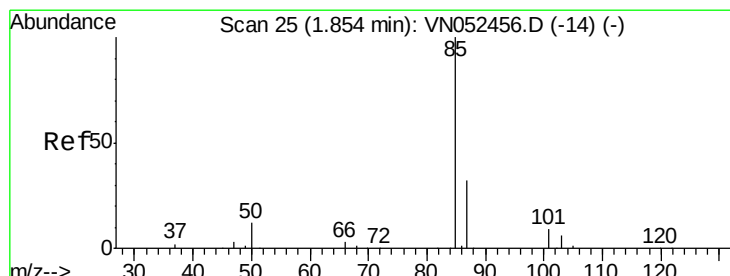
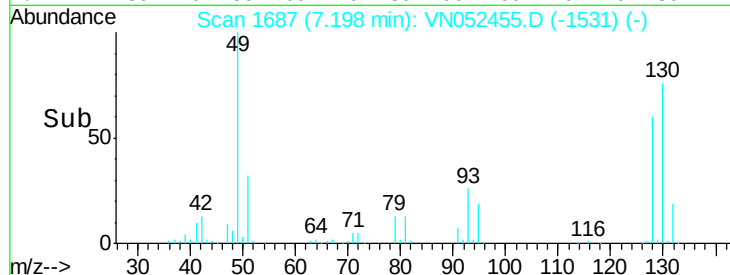
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 4.91 ug/l

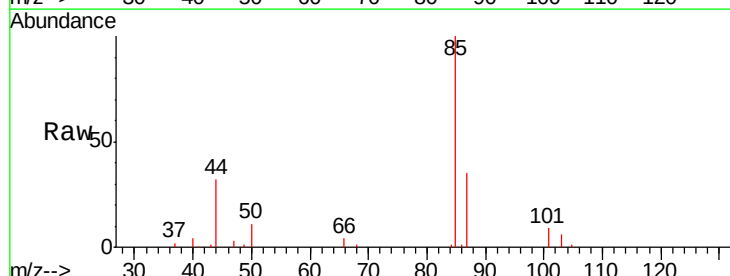
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052455.D

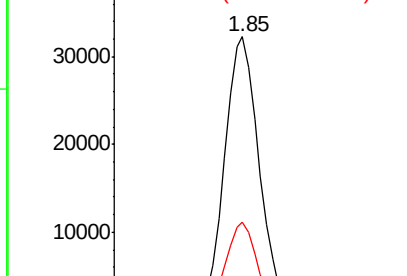
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	44027		
87	34.7	16.1	48.3	

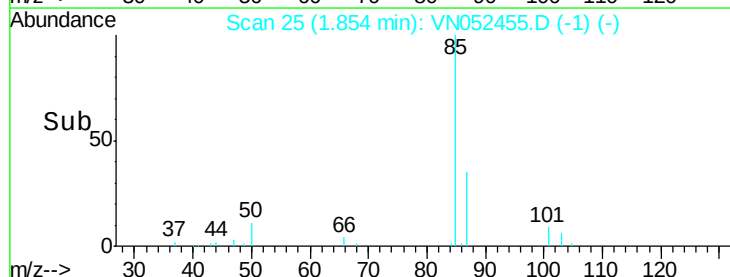


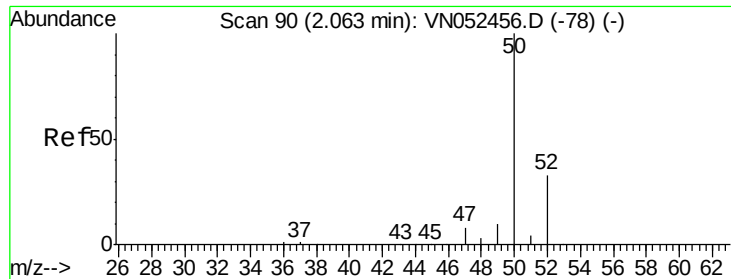
Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO



Time-->





#3

Chloromethane

Concen: 4.95 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 58862

Ion Ratio Lower Upper

50 100

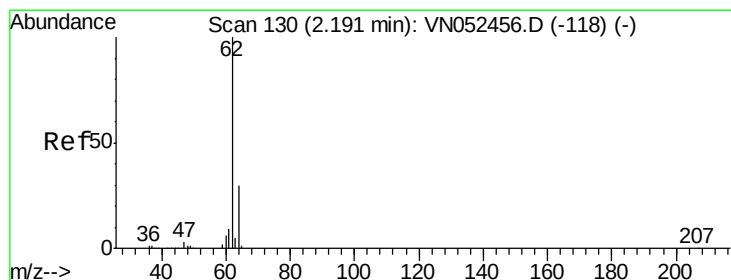
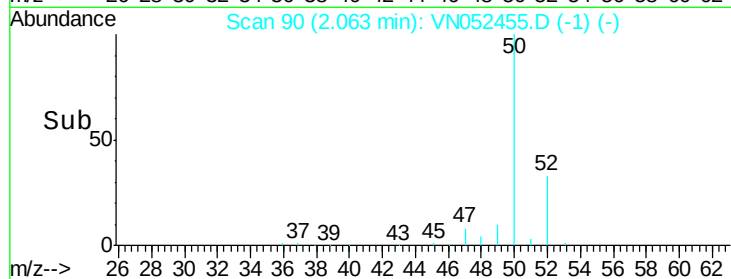
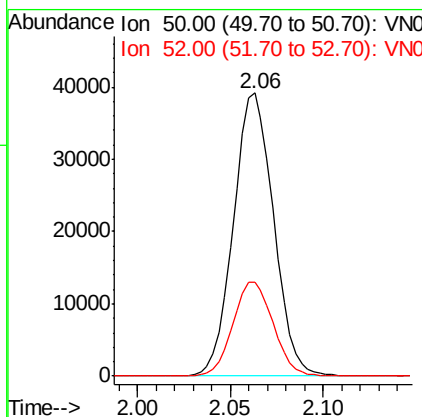
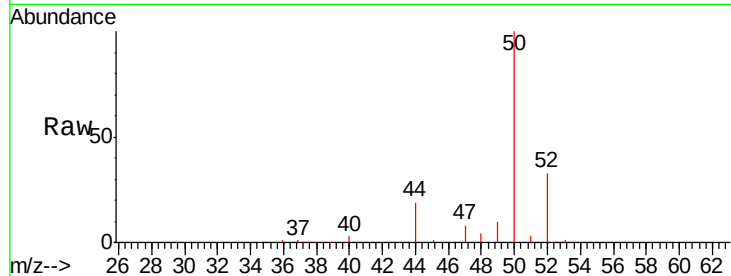
52 33.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.89 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052455.D

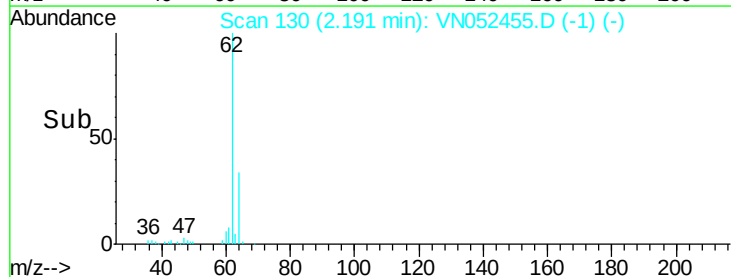
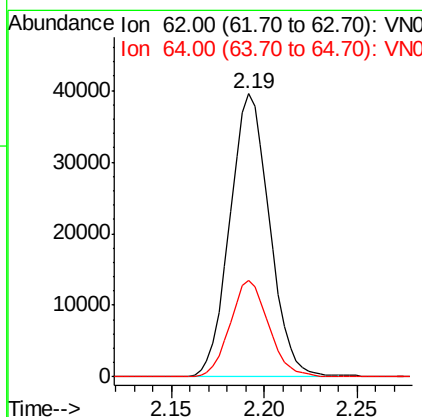
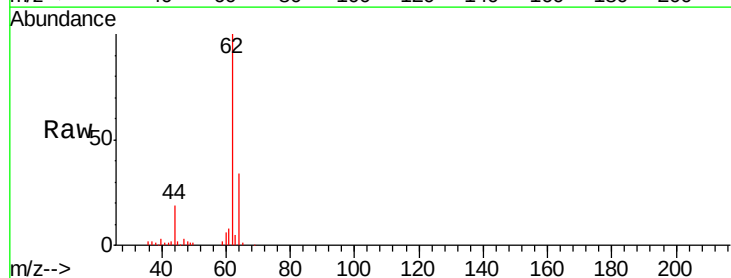
Acq: 26 Nov 2018 12:51

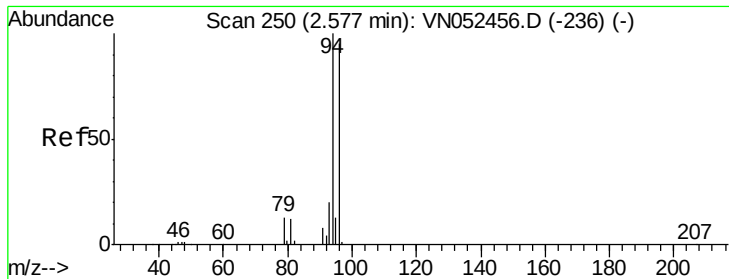
Tgt Ion: 62 Resp: 58762

Ion Ratio Lower Upper

62 100

64 34.2 24.2 36.4





#5

Bromomethane

Concen: 5.02 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 34349

Ion Ratio Lower Upper

94 100

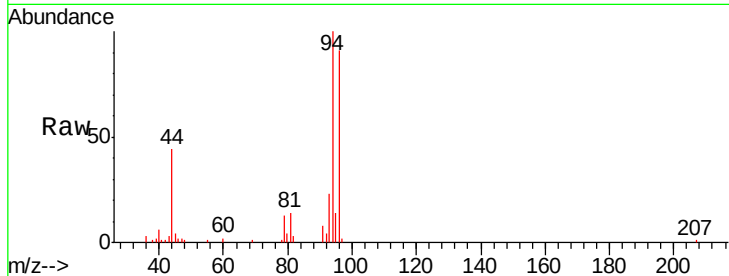
96 90.9 76.2 114.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

20000

15000

10000

5000

0

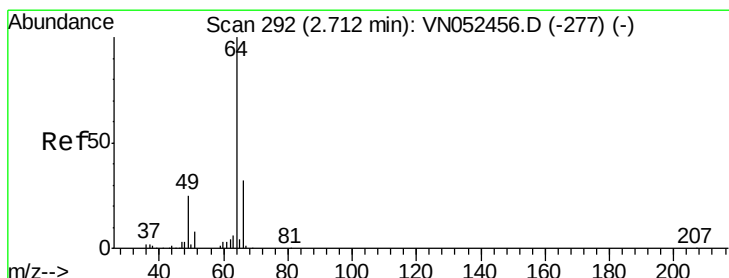
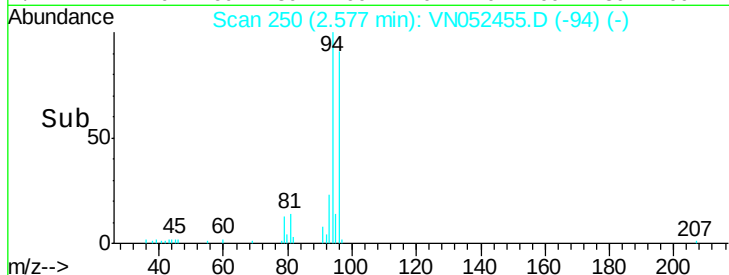
Time-->

2.50

2.55

2.60

2.65



#6

Chloroethane

Concen: 4.89 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052455.D

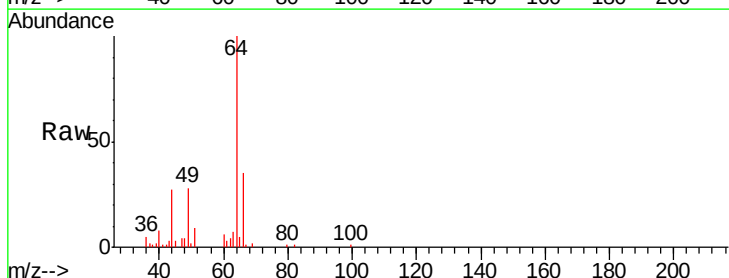
Acq: 26 Nov 2018 12:51

Tgt Ion: 64 Resp: 34913

Ion Ratio Lower Upper

64 100

66 34.8 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

20000

15000

10000

5000

0

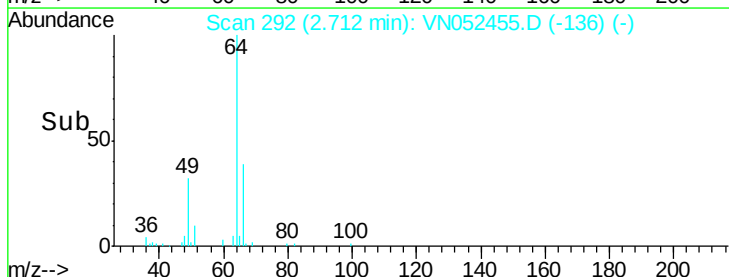
Time-->

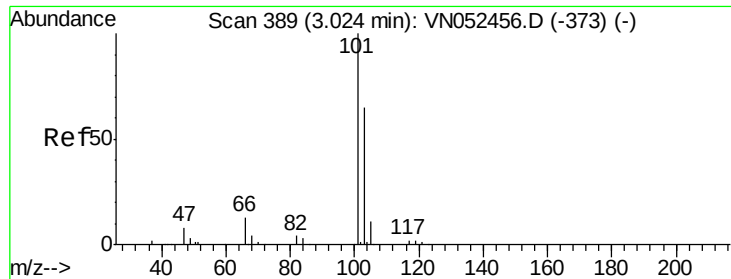
2.65

2.70

2.75

2.80





#7

Trichlorofluoromethane

Concen: 5.08 ug/l

RT: 3.03 min Scan# 390

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 101 Resp: 75255

Ion Ratio Lower Upper

101 100

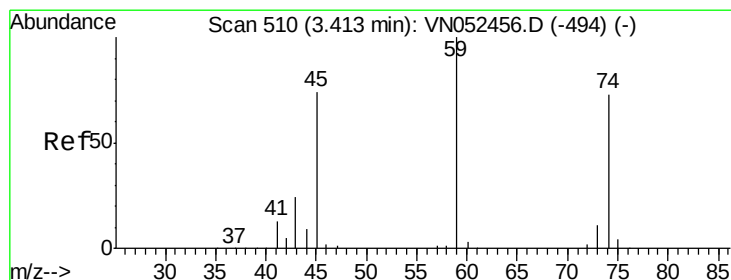
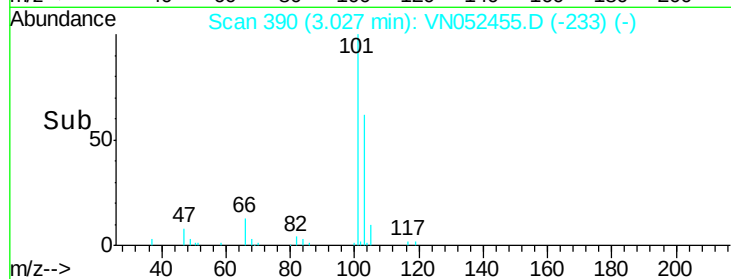
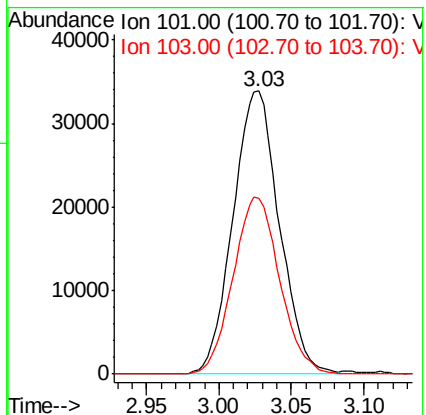
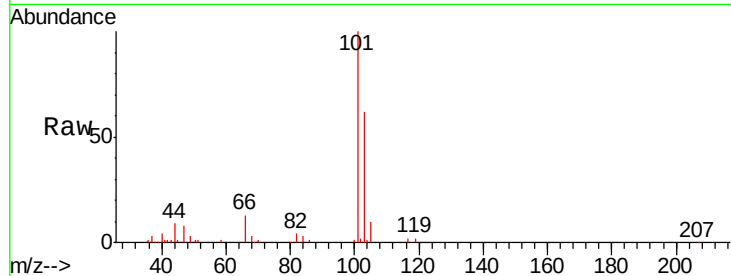
103 62.1 52.1 78.1

Manual Integrations

APPROVED

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11/27/2018 3:52:09 PM



#8

Diethyl Ether

Concen: 4.97 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN052455.D

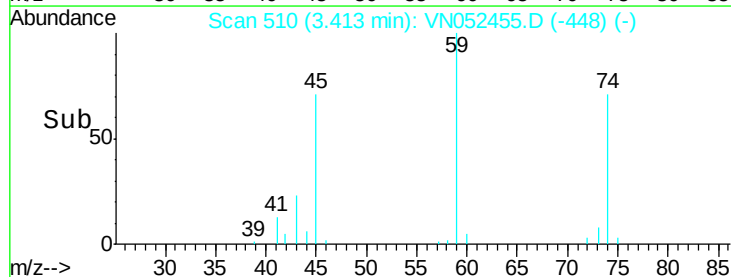
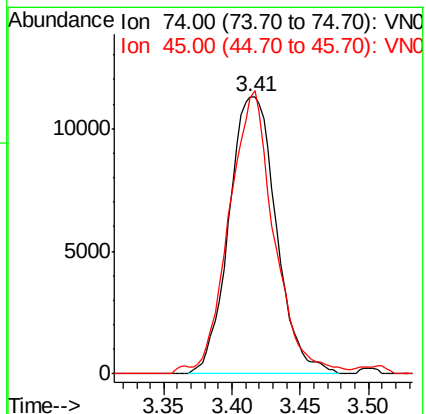
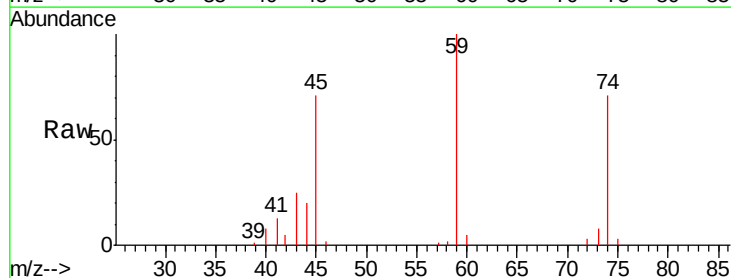
Acq: 26 Nov 2018 12:51

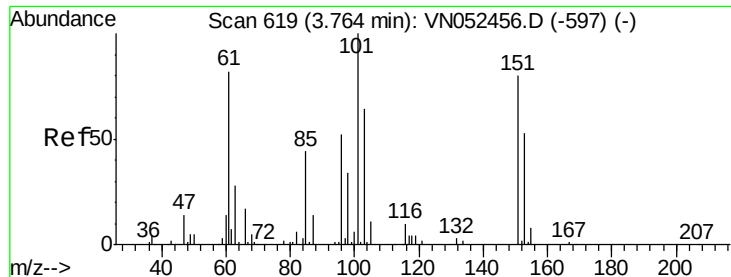
Tgt Ion: 74 Resp: 27177

Ion Ratio Lower Upper

74 100

45 96.4 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.14 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052455.D

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Instrument :

MSVOA_N

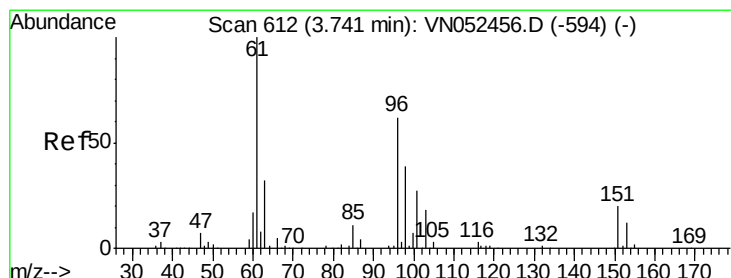
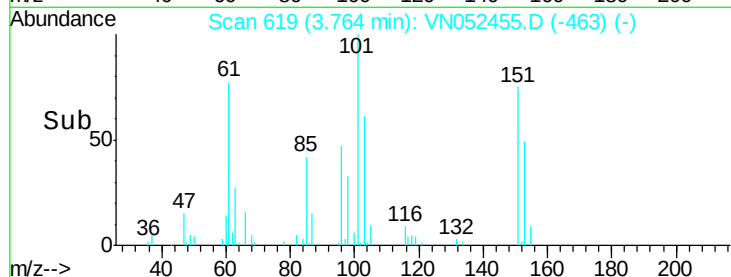
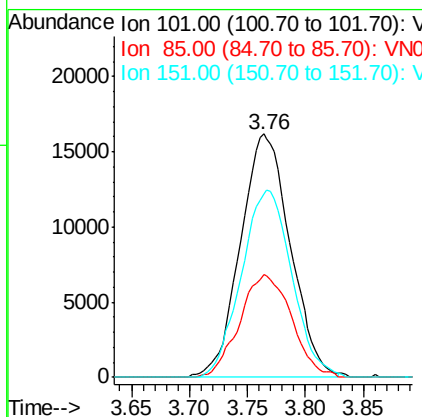
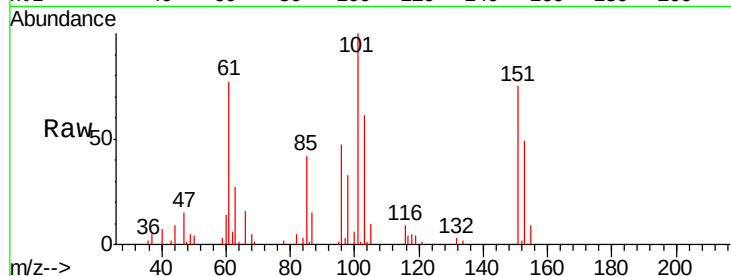
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	48317
Ion Ratio	Lower	Upper	
101	100		
85	43.7	0.0	82.6
151	78.1	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 4.86 ug/l

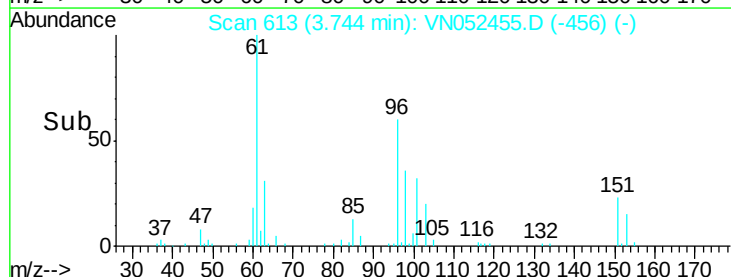
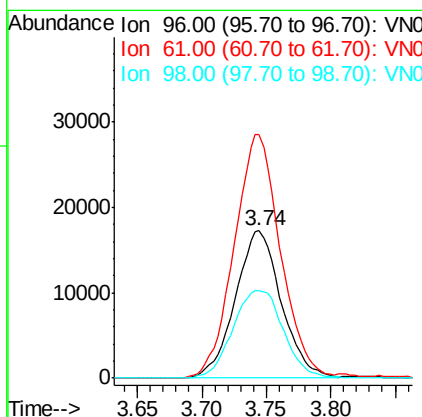
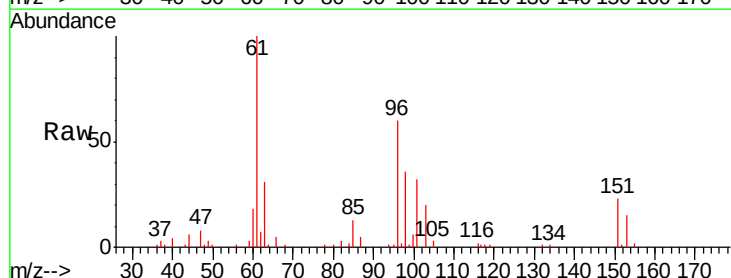
RT: 3.74 min Scan# 613

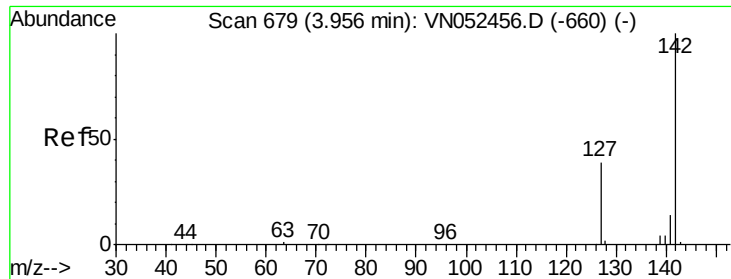
Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Tgt Ion:	96	Resp:	42920
Ion Ratio	Lower	Upper	
96	100		
61	164.2	129.4	194.2
98	59.5	50.4	75.6





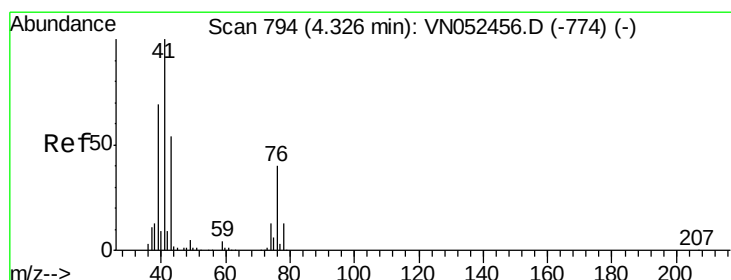
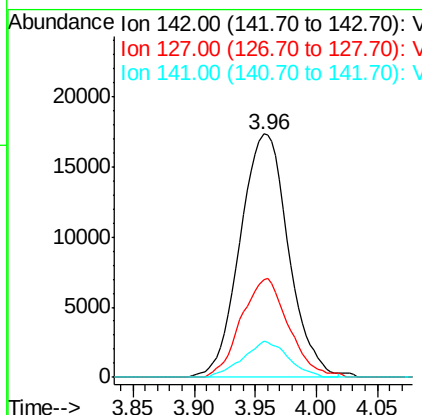
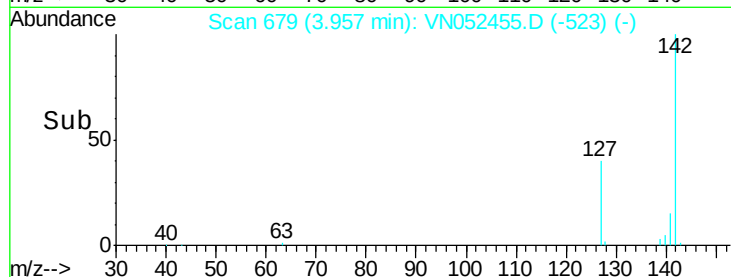
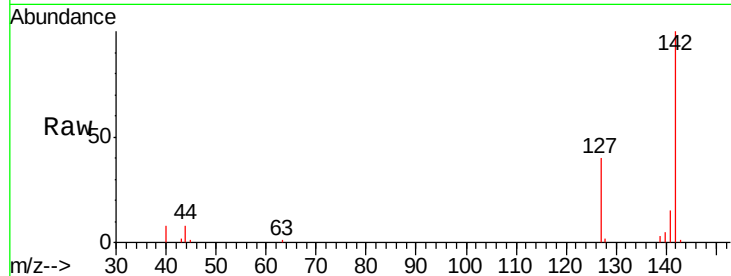
#11
Methyl Iodide
Concen: 3.89 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.7	19.4	58.1
141	14.8	7.2	21.6

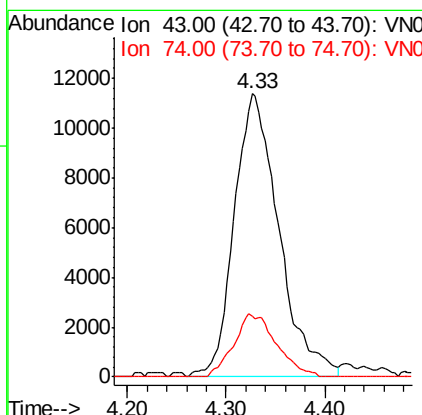
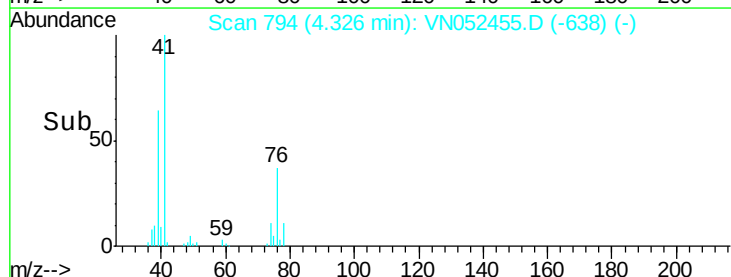
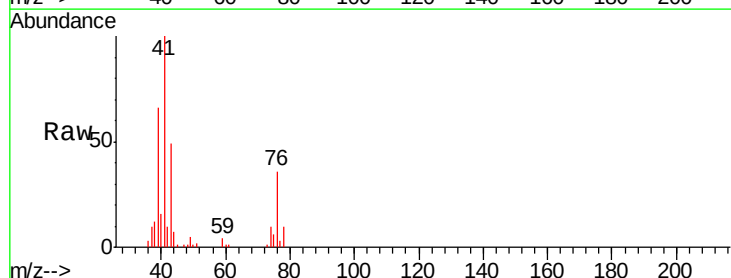
Manual Integrations
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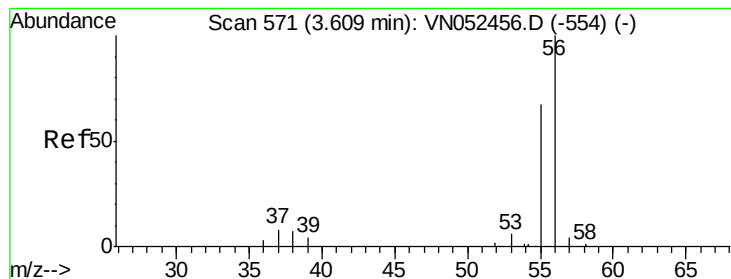
MMDadoda
11/27/2018 3:52:09 PM



#12
Methyl Acetate
Concen: 4.76 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	18.9	28.3





#13

Acrolein

Concen: 22.97 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 20254

Ion Ratio Lower Upper

56 100

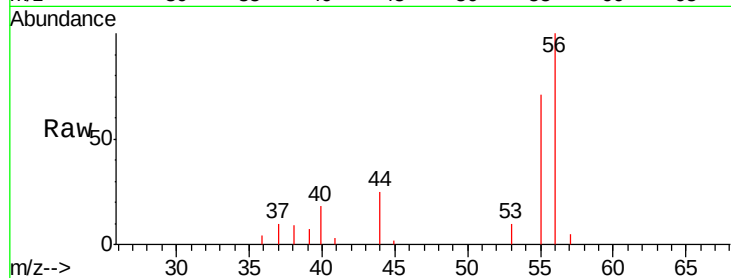
55 72.8 56.7 85.1

Manual Integrations

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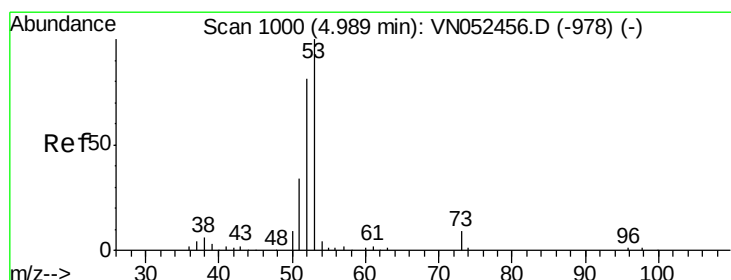
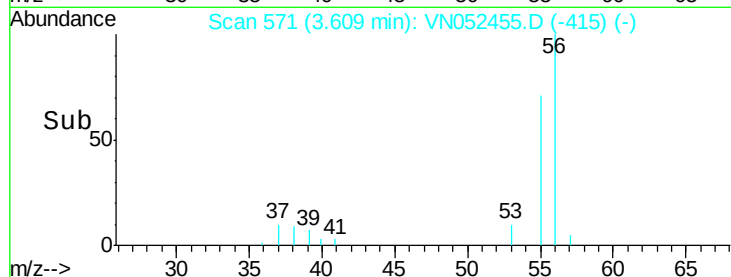
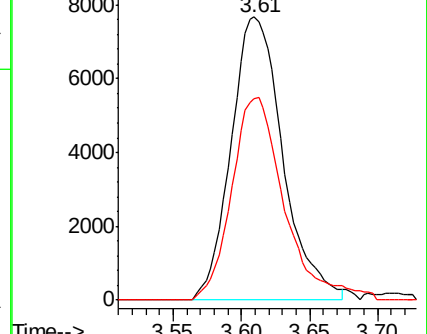
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 22.78 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

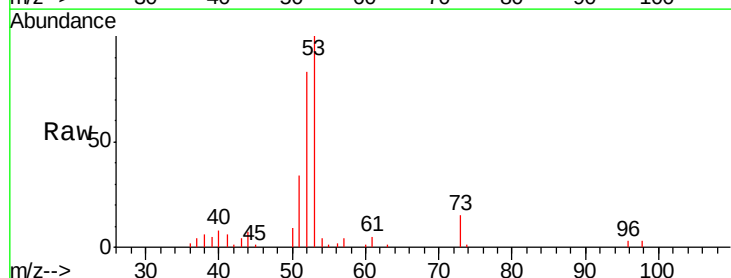
Tgt Ion: 53 Resp: 72864

Ion Ratio Lower Upper

53 100

52 80.8 39.9 119.7

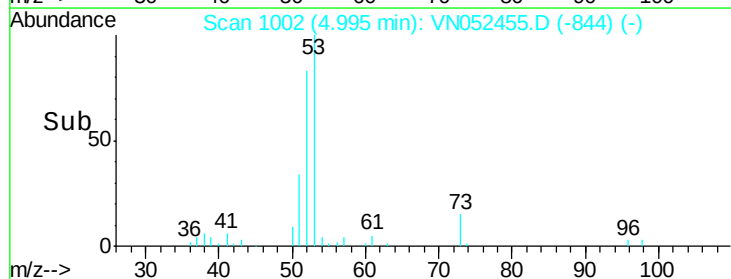
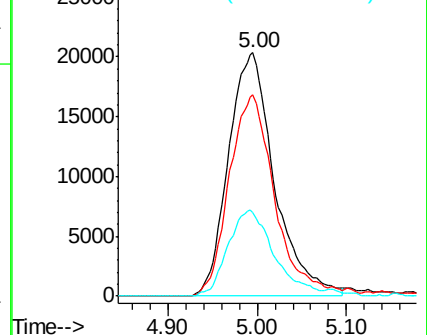
51 35.4 17.6 52.9

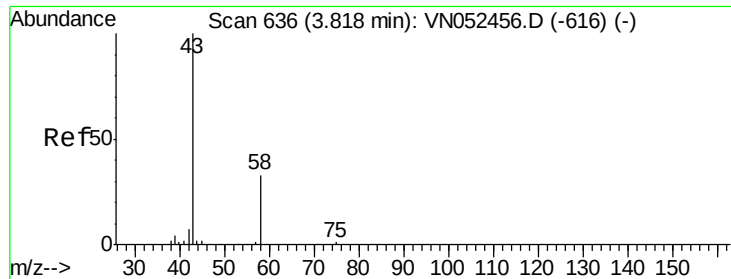


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 24.79 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 58 Resp: 20536

Ion Ratio Lower Upper

58 100

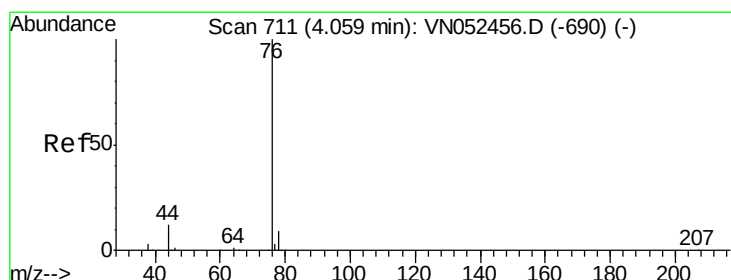
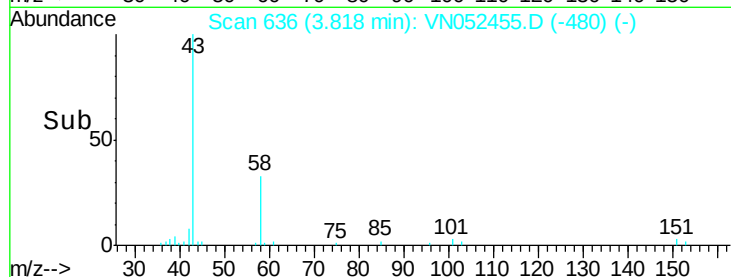
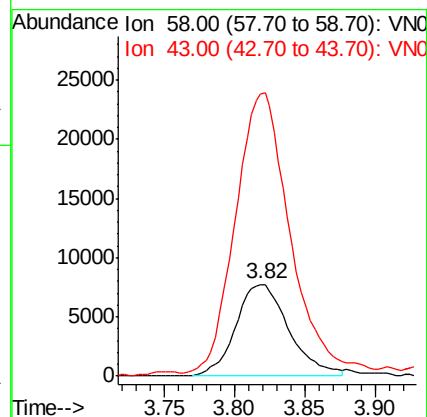
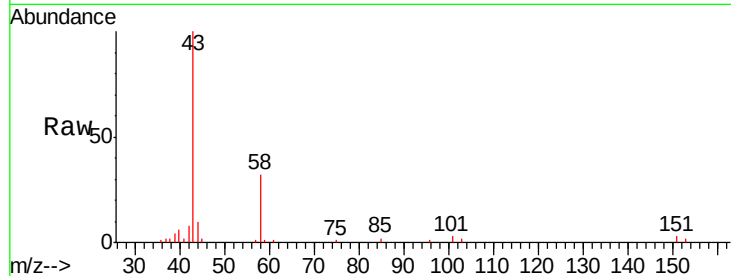
43 302.4 243.6 365.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 4.90 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052455.D

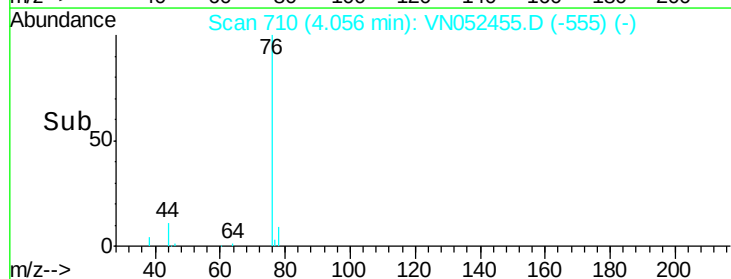
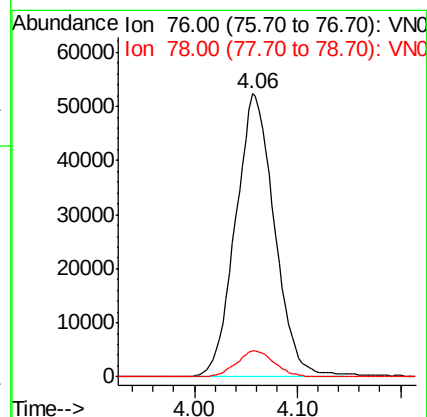
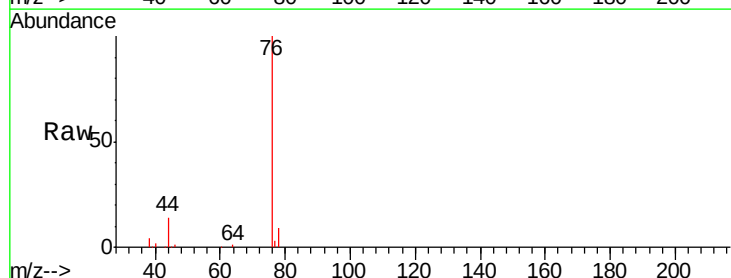
Acq: 26 Nov 2018 12:51

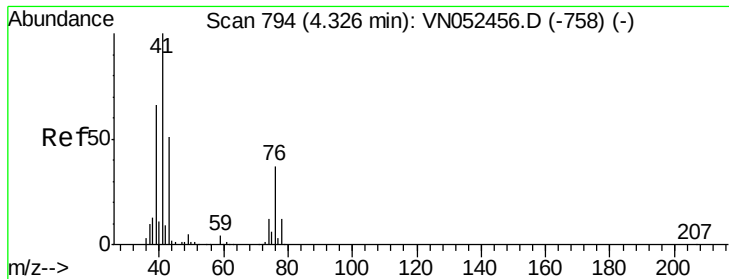
Tgt Ion: 76 Resp: 137151

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





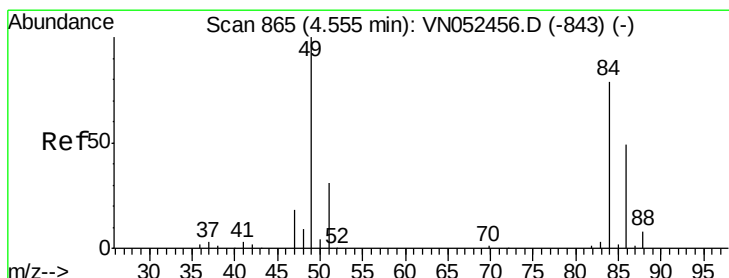
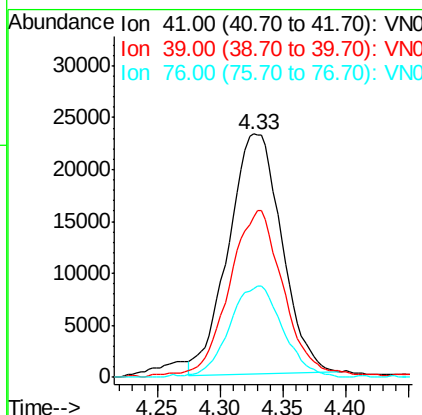
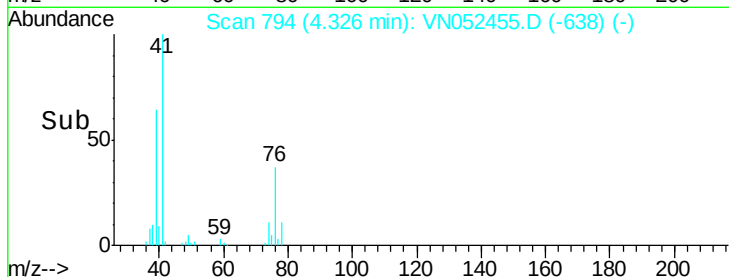
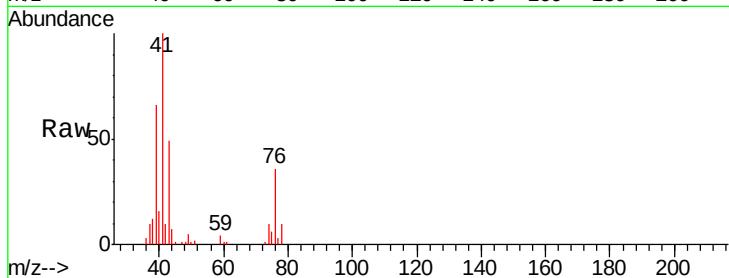
#17
 Allyl chloride
 Concen: 4.42 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.9	32.8	98.3
76	37.3	18.6	55.8

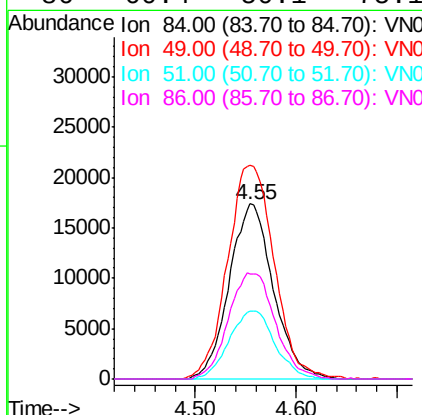
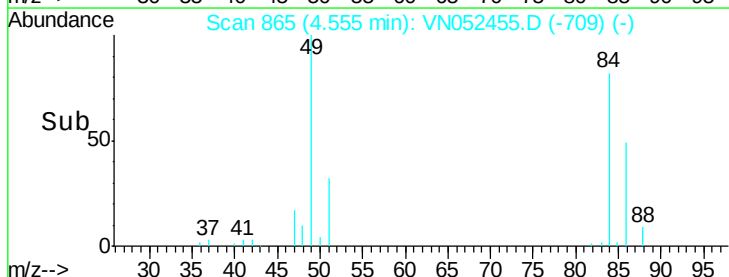
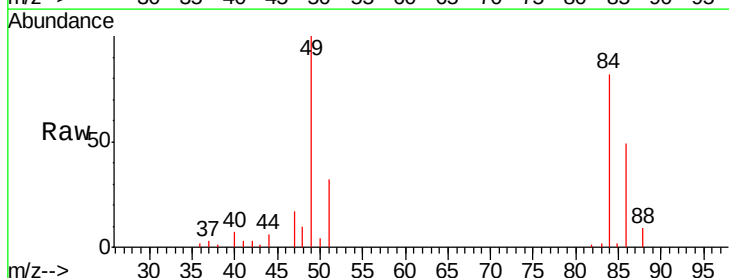
Manual Integrations
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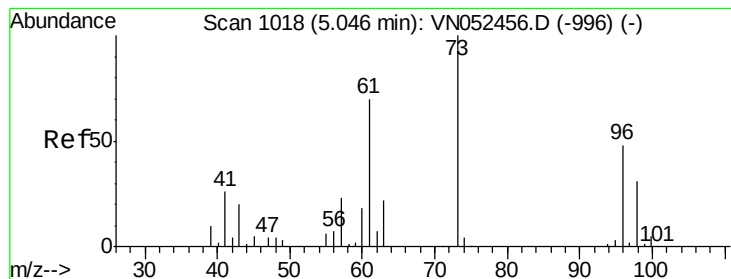
MMDadoda
 11/27/2018 3:52:09 PM



#18
 Methylene Chloride
 Concen: 5.17 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.6	101.4	152.0
51	38.5	31.7	47.5
86	60.4	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 4.88 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 46356

Ion Ratio Lower Upper

96 100

61 144.5 118.2 177.4

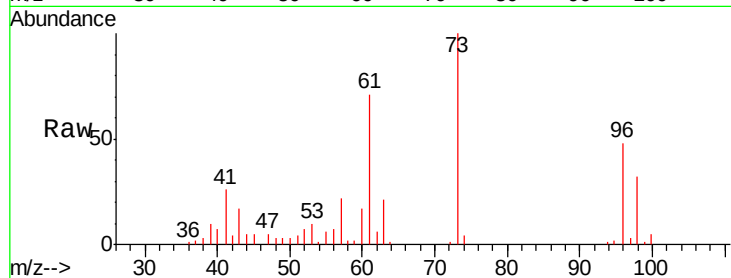
98 66.9 51.4 77.2

Manual Integrations

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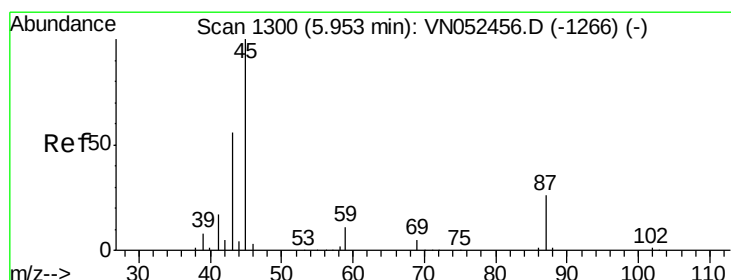
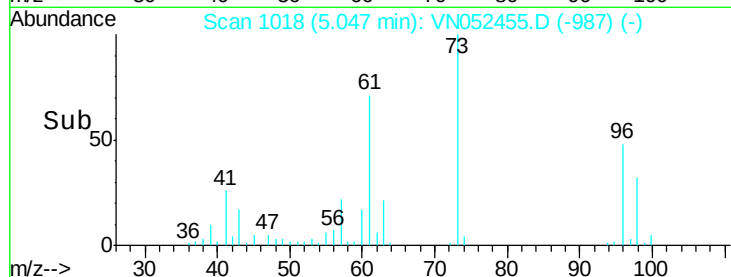
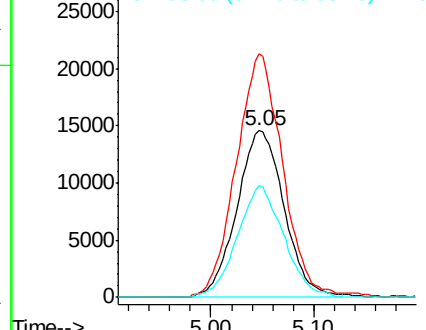
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Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 4.74 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Tgt Ion: 45 Resp: 153457

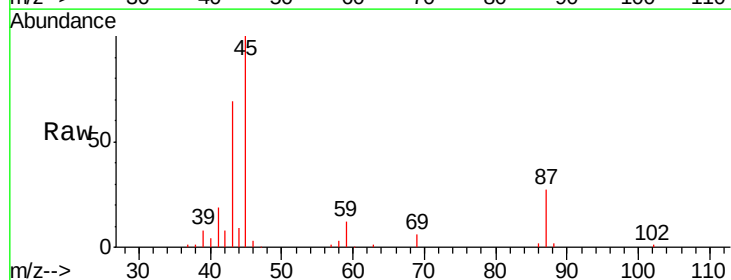
Ion Ratio Lower Upper

45 100

43 66.2 47.8 71.8

87 26.5 21.3 31.9

59 11.6 8.9 13.3

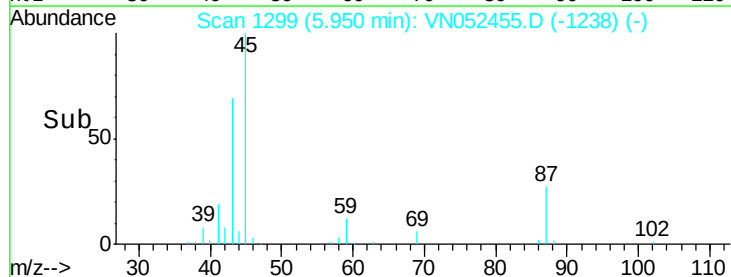
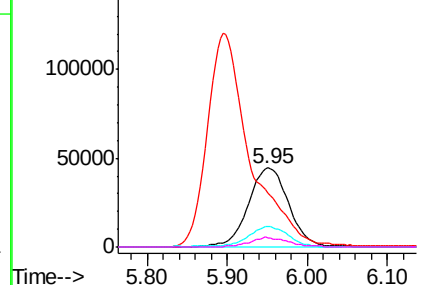


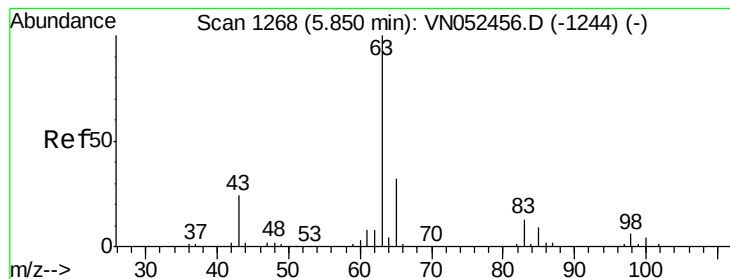
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 4.87 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

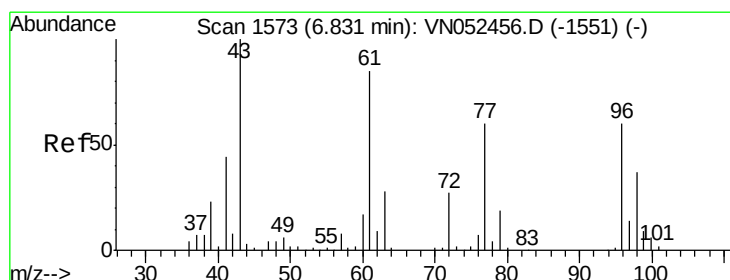
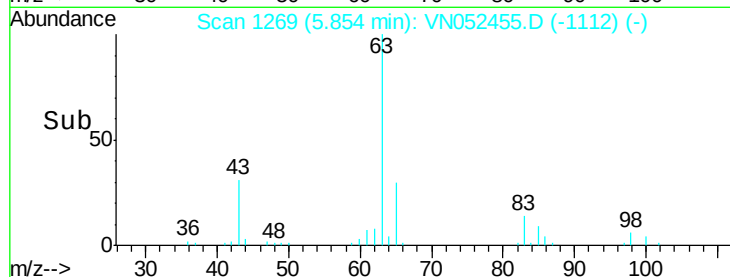
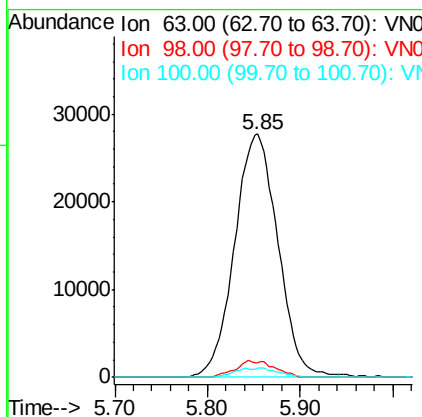
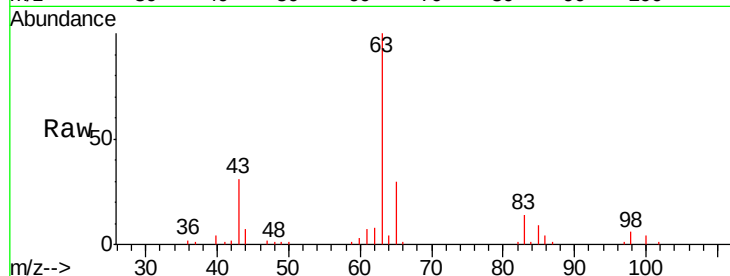
ClientSampleId :

VSTDIC005

Tgt Ion:	63	Resp:	89806
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.8	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 4.79 ug/l

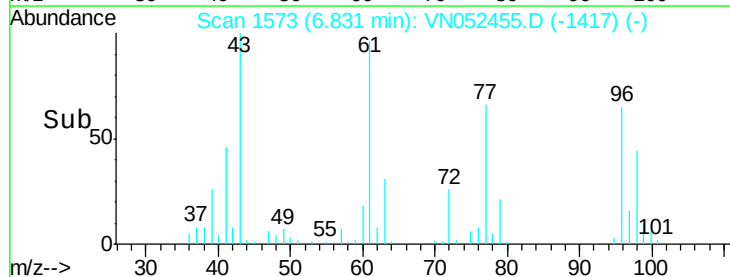
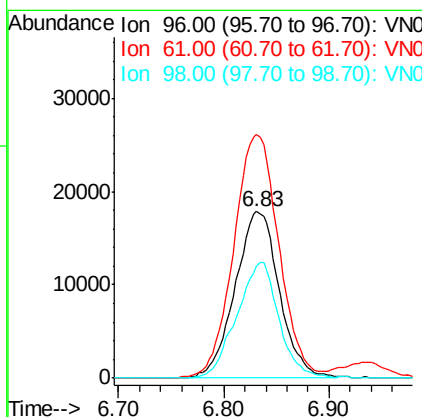
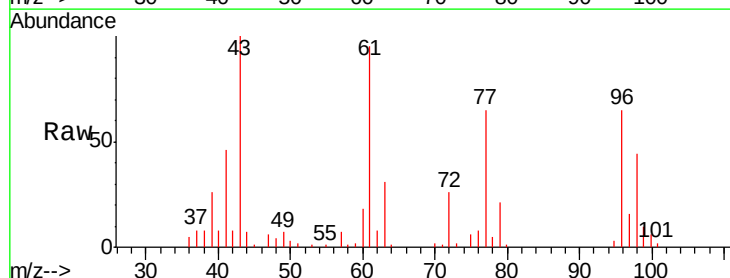
RT: 6.83 min Scan# 1573

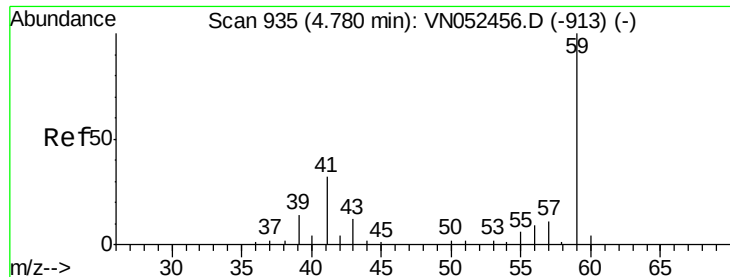
Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Tgt Ion:	96	Resp:	52151
Ion	Ratio	Lower	Upper
96	100		
61	148.4	116.7	175.1
98	66.0	50.8	76.2





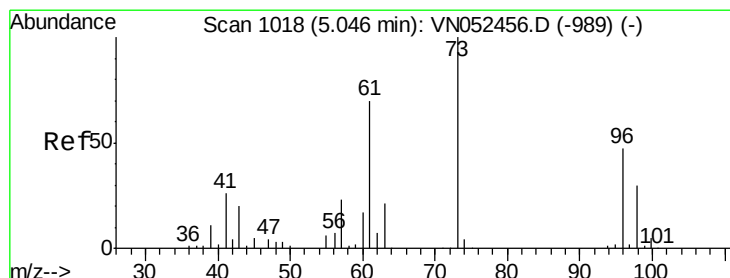
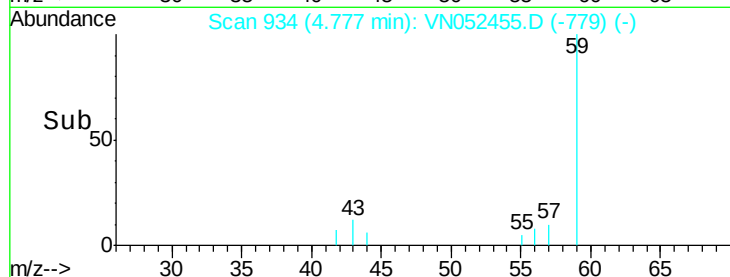
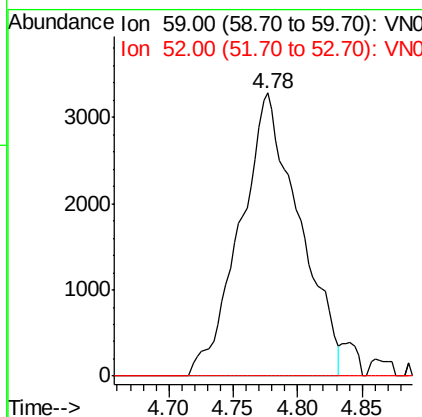
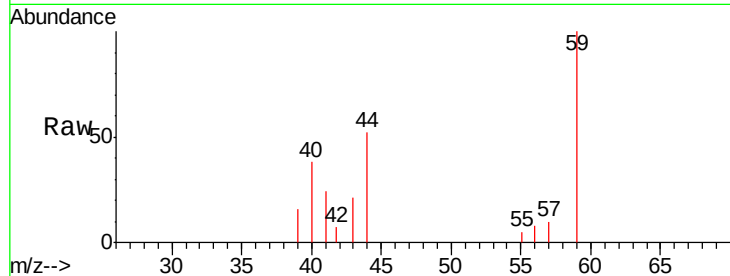
#23
 tert-Butyl Alcohol
 Concen: 22.02 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

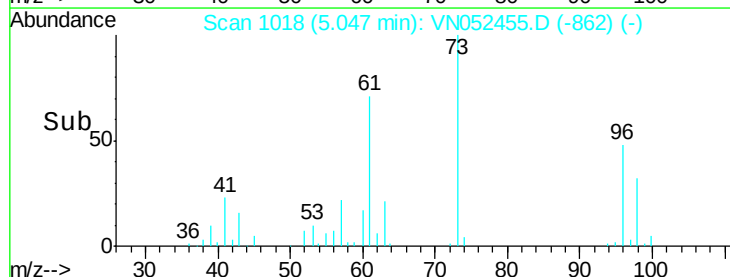
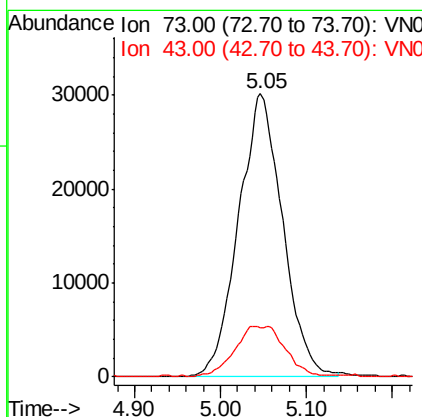
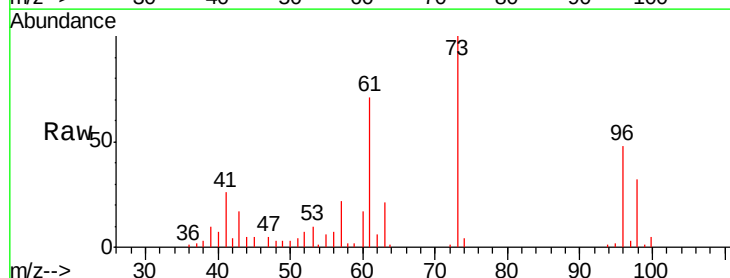
Manual Integrations
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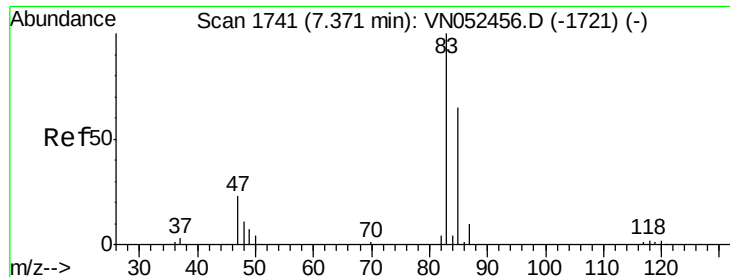
MMDadoda
 11/27/2018 3:52:09 PM



#24
 Methyl tert-Butyl Ether
 Concen: 4.63 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
73	100		
43	8.9	15.8	23.8#





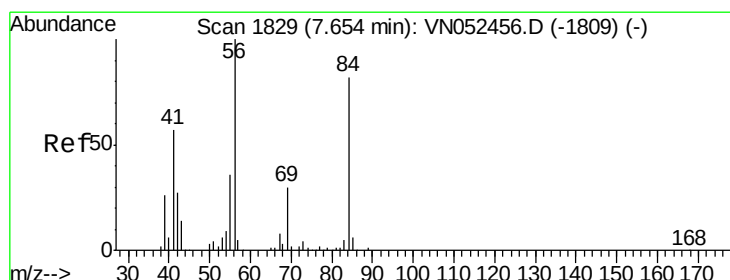
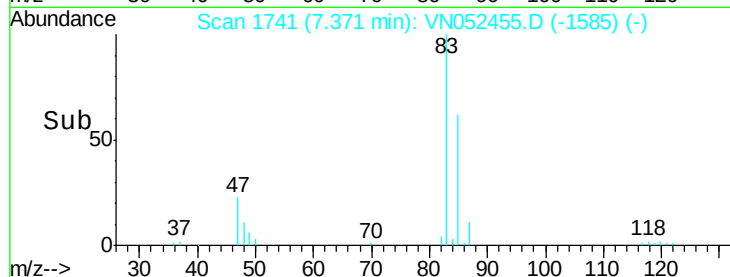
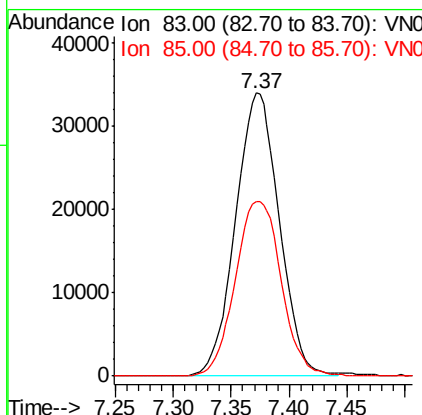
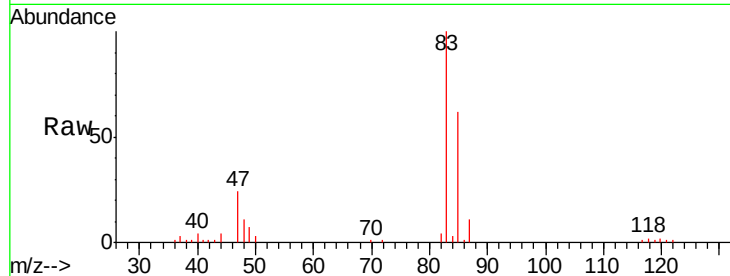
#25
Chloroform
Concen: 5.02 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 89363
Ion Ratio Lower Upper
83 100
85 61.7 51.7 77.5

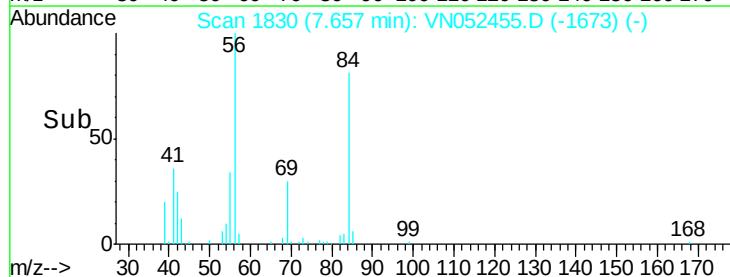
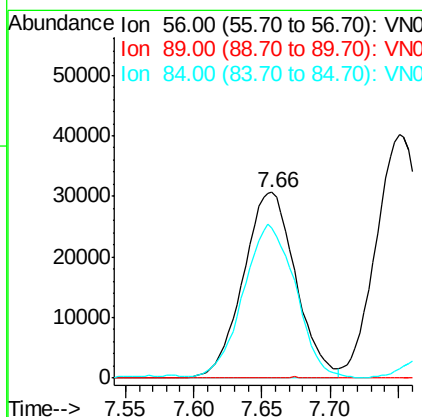
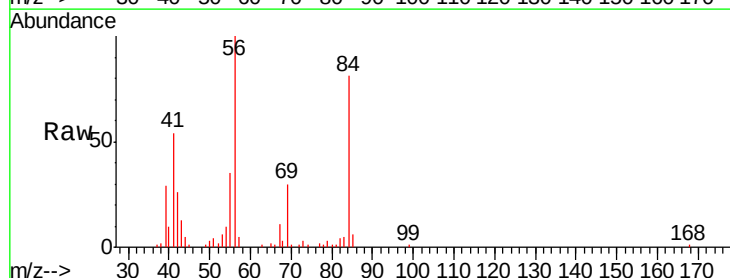
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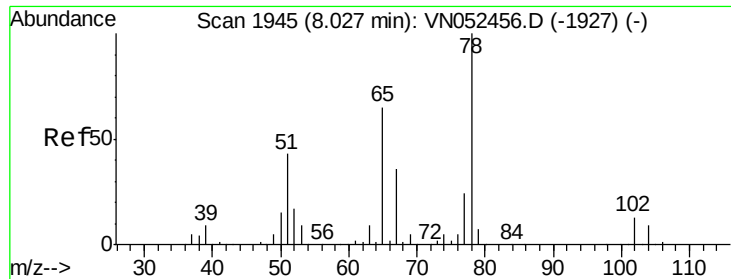
MMDadoda
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#26
Cyclohexane
Concen: 4.70 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion: 56 Resp: 81800
Ion Ratio Lower Upper
56 100
89 0.1 0.5 0.7#
84 82.9 66.2 99.2





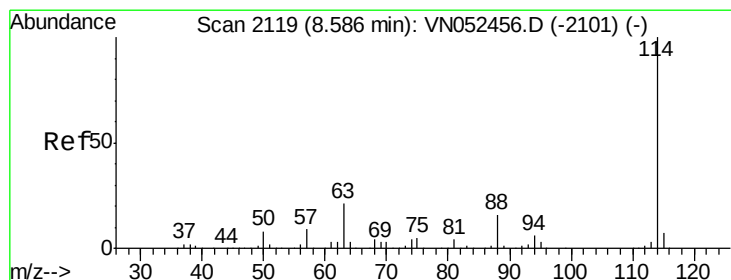
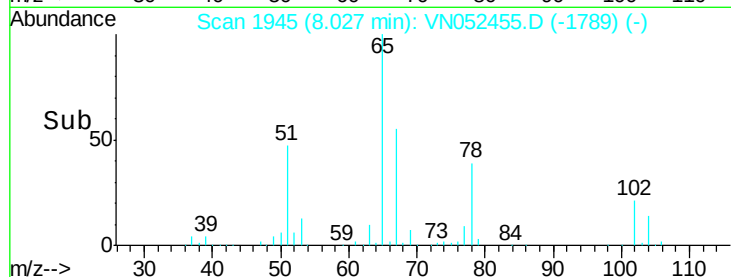
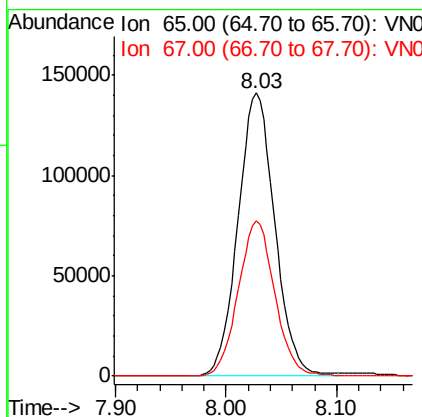
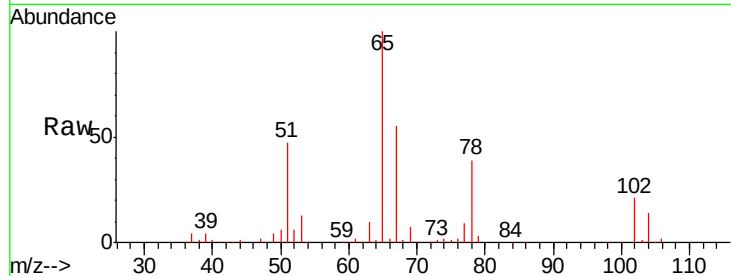
#27
 1,2-Dichloroethane-d4
 Concen: 4.70 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 326559
 Ion Ratio Lower Upper
 65 100
 67 54.5 44.6 66.8

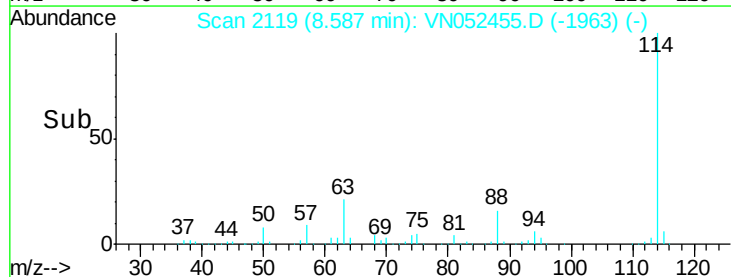
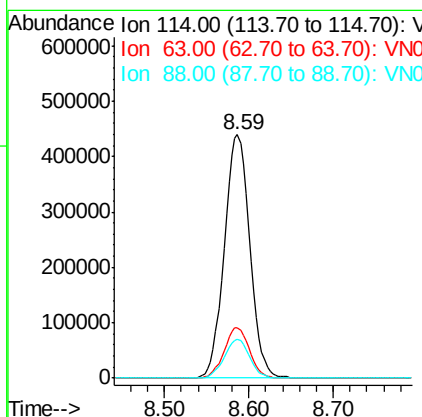
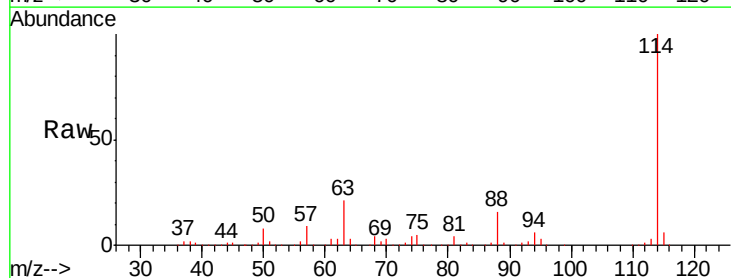
Manual Integrations
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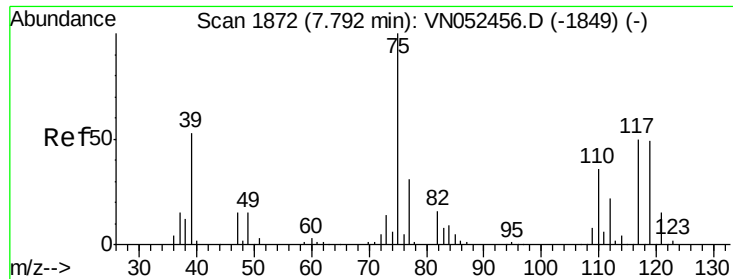
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#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion: 114 Resp: 920924
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.9 25.3
 88 15.8 12.8 19.2





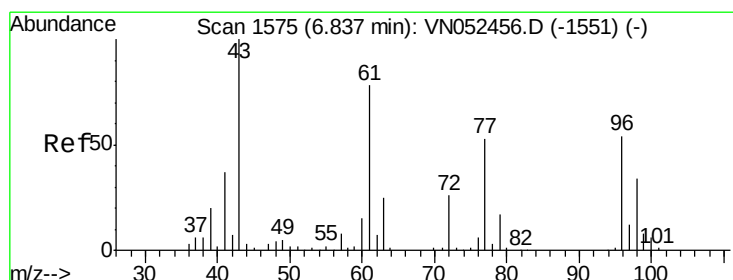
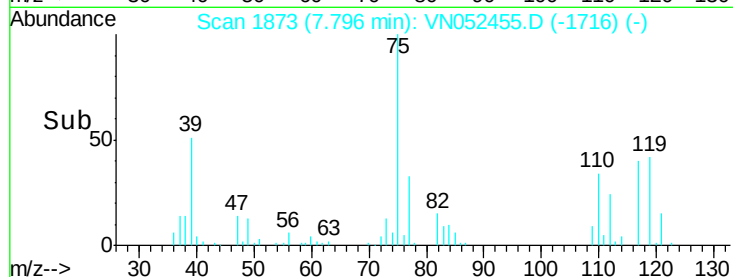
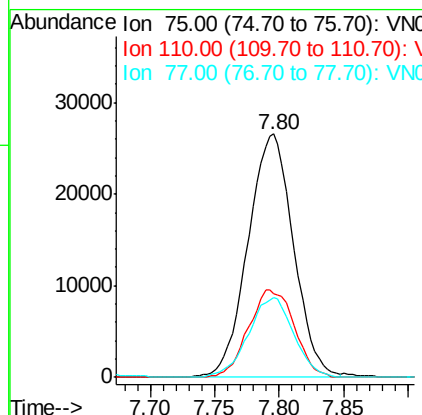
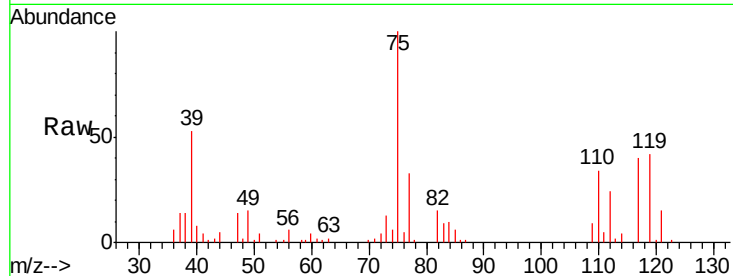
#29
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	0.0	70.2
77	32.6	0.0	62.6

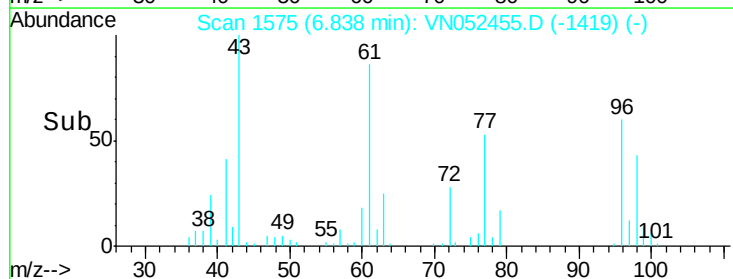
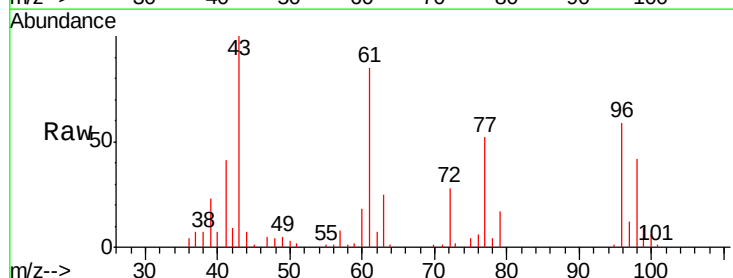
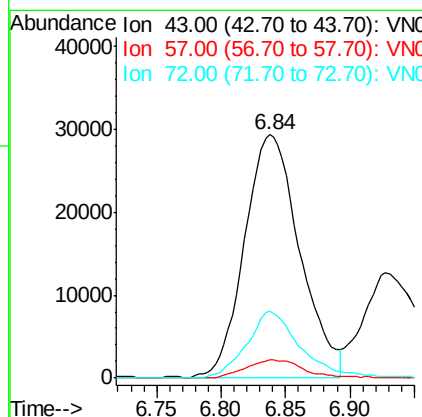
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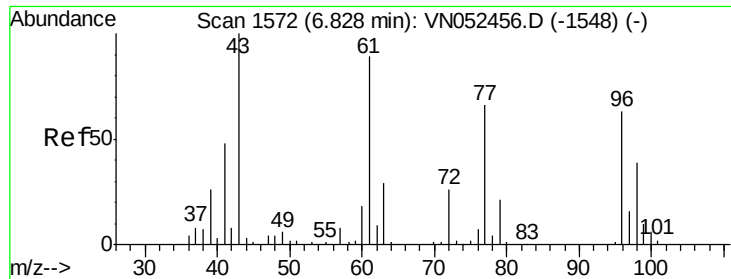
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 11/27/2018 3:52:09 PM



#30
 2-Butanone
 Concen: 23.32 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.8	6.2	9.4#
72	26.7	21.0	31.6





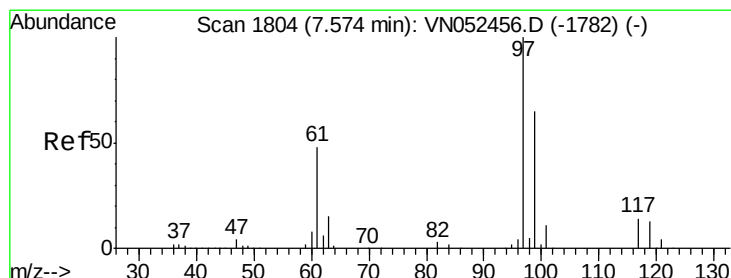
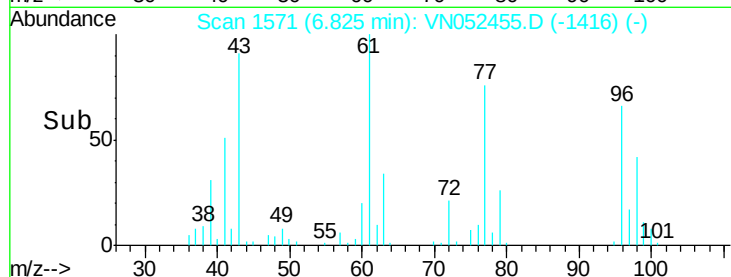
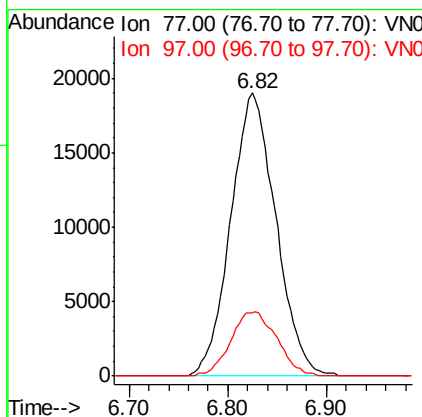
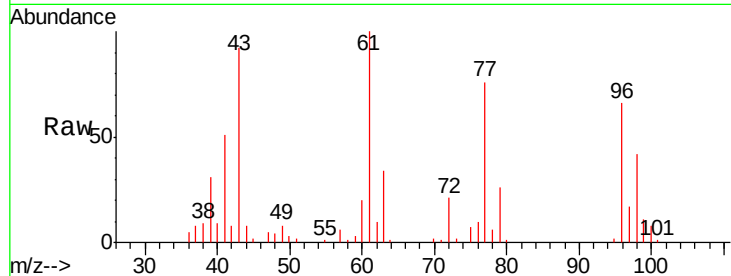
#31
 2,2-Dichloropropane
 Concen: 4.66 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 77 Resp: 60277
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.7 28.1

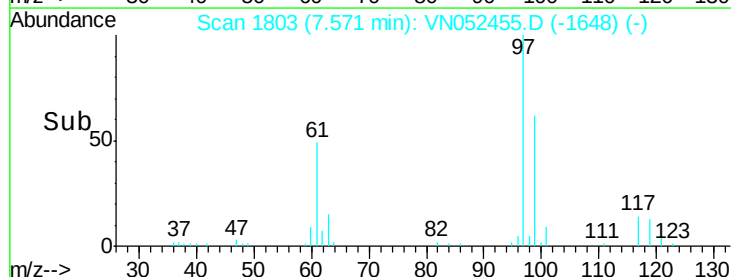
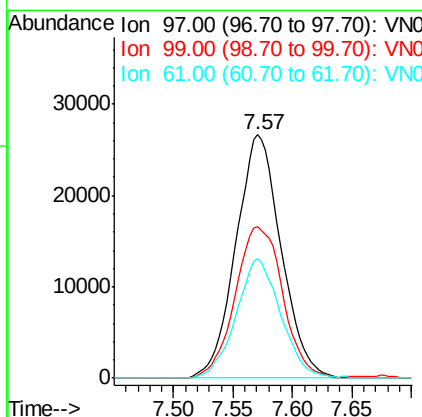
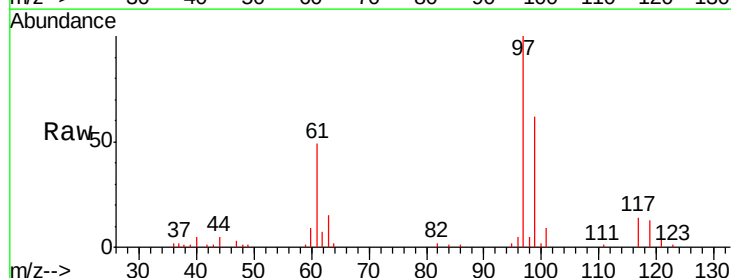
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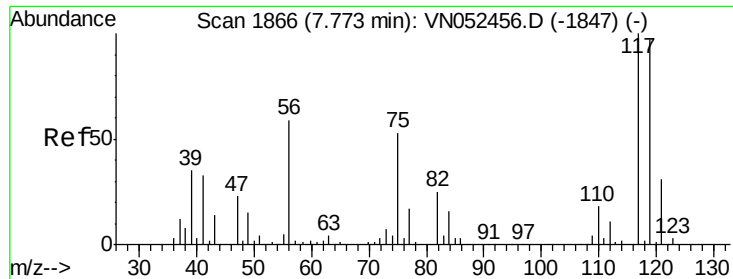
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#32
 1,1,1-Trichloroethane
 Concen: 4.81 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion: 97 Resp: 70330
 Ion Ratio Lower Upper
 97 100
 99 65.2 50.9 76.3
 61 48.1 38.1 57.1





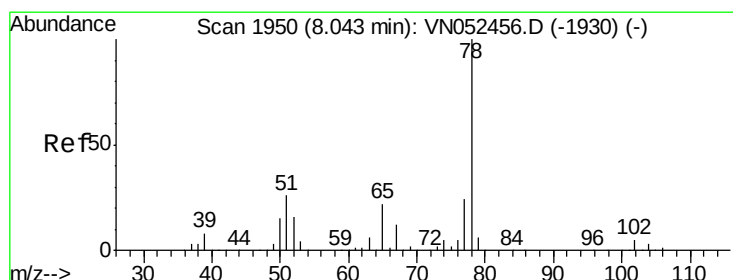
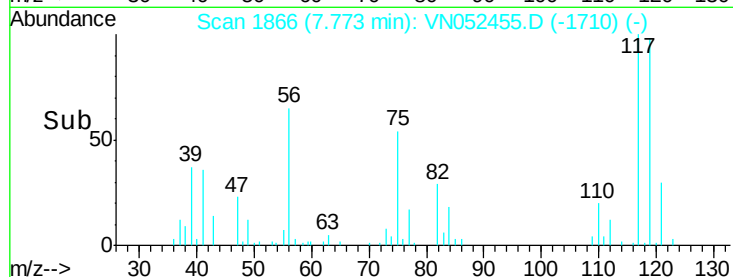
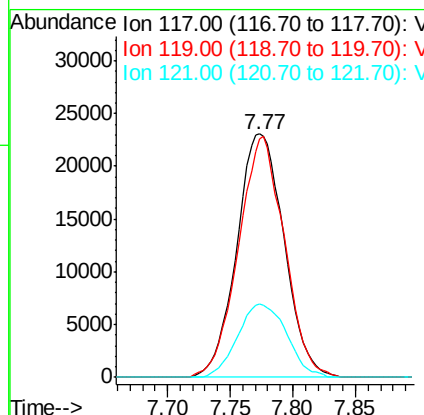
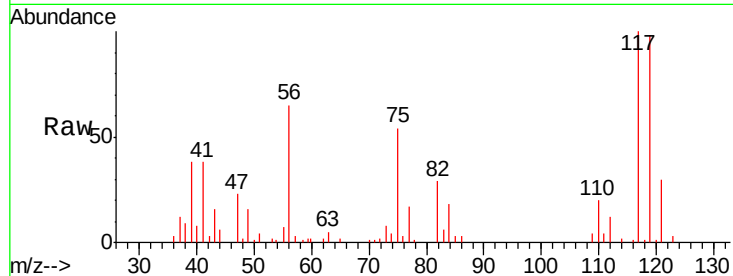
#33
Carbon Tetrachloride
Concen: 4.72 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.3	115.9
121	30.1	24.9	37.3

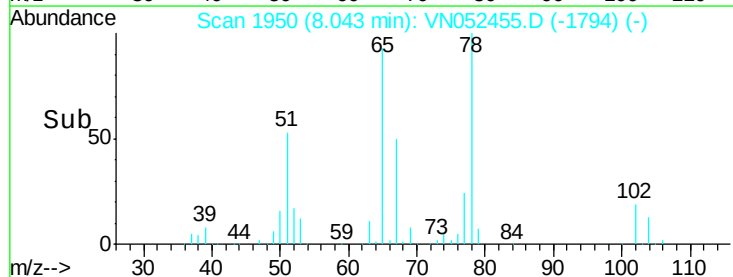
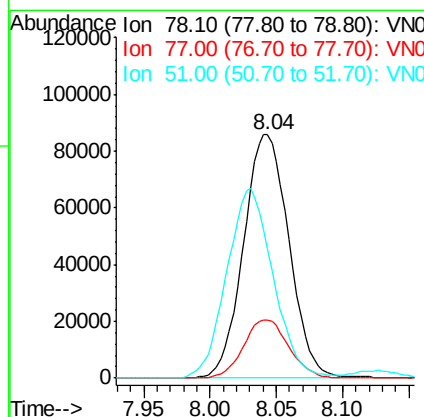
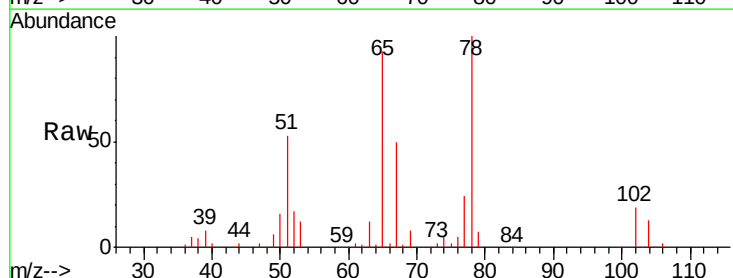
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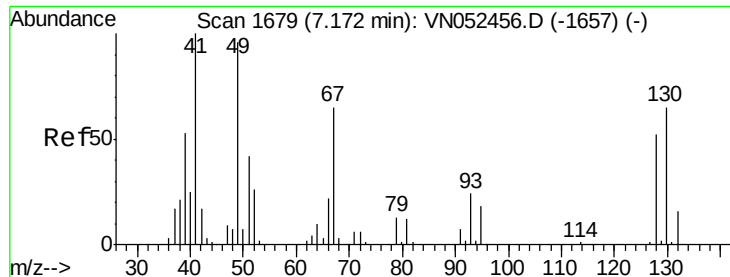
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#34
Benzene
Concen: 4.84 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6
51	52.0	20.5	30.7#





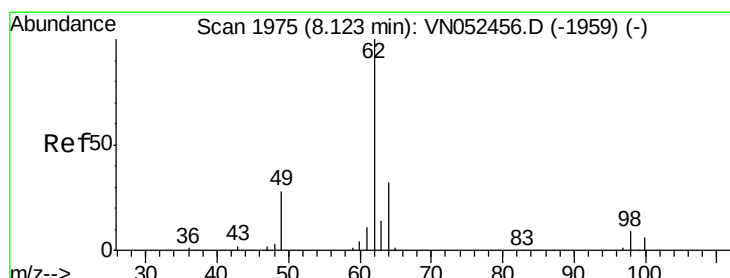
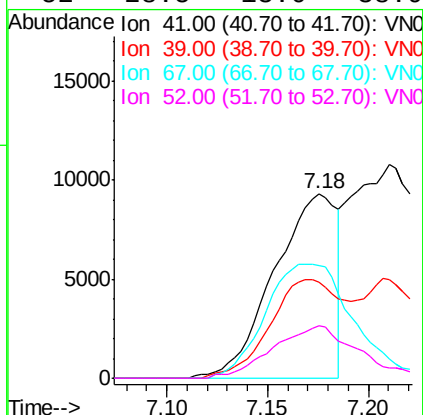
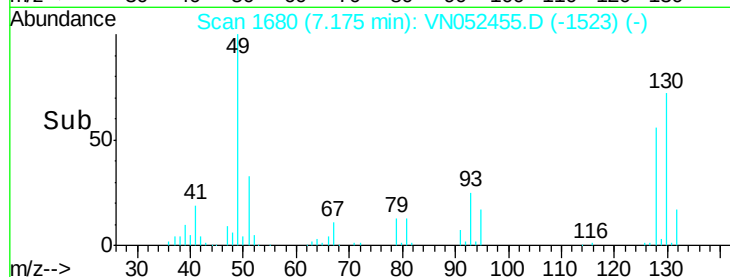
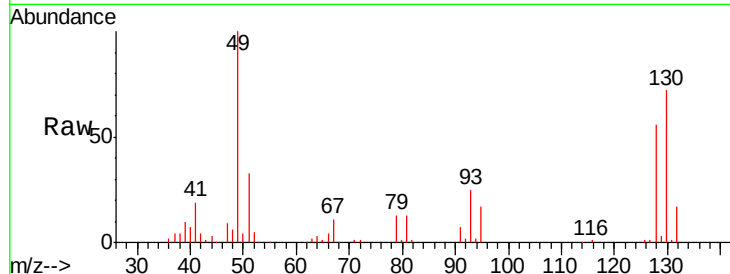
#35
Methacrylonitrile
Concen: 3.08 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.0	26.6	79.7
67	61.4	32.3	96.9
52	28.5	13.0	38.9

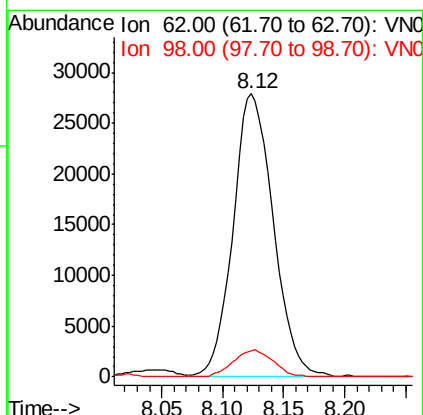
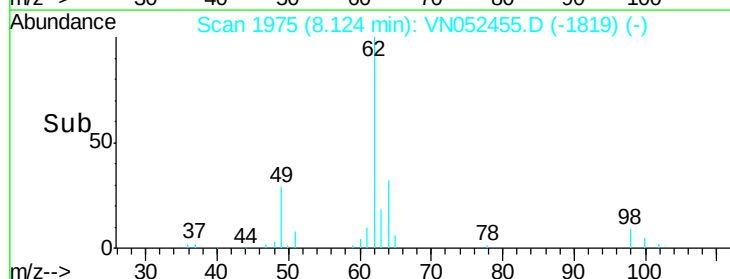
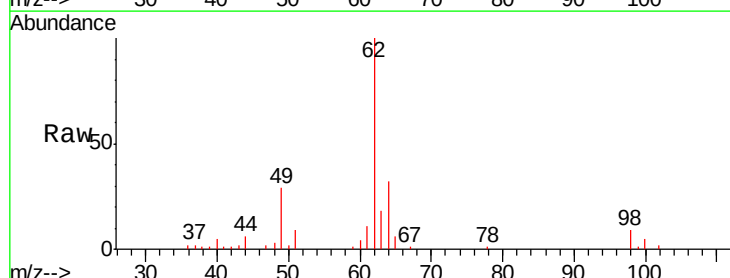
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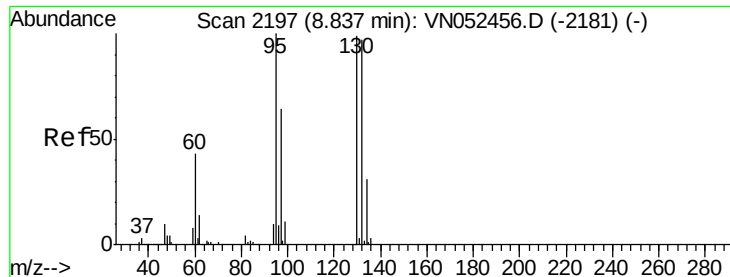
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#36
1,2-Dichloroethane
Concen: 4.98 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2





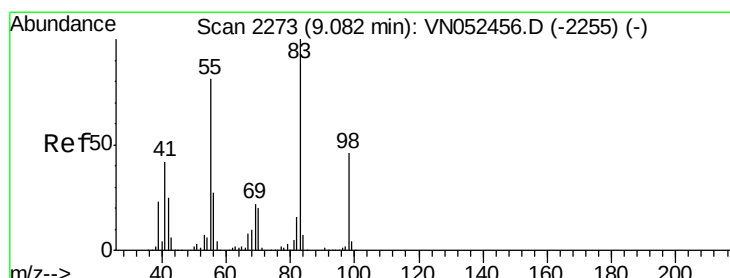
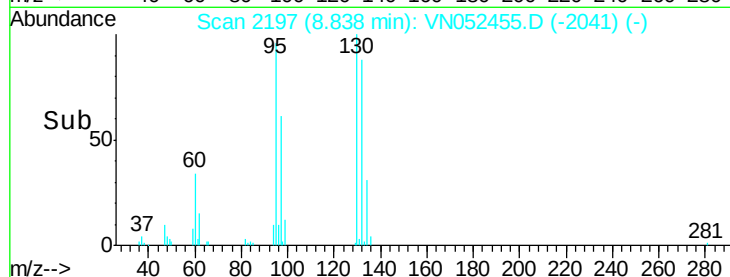
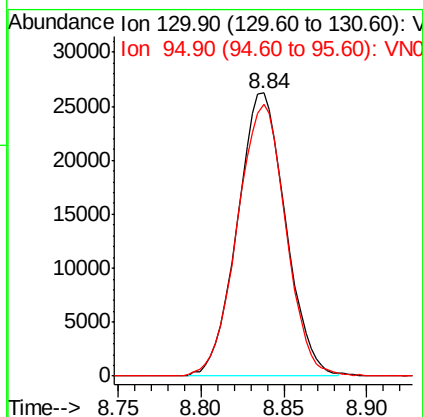
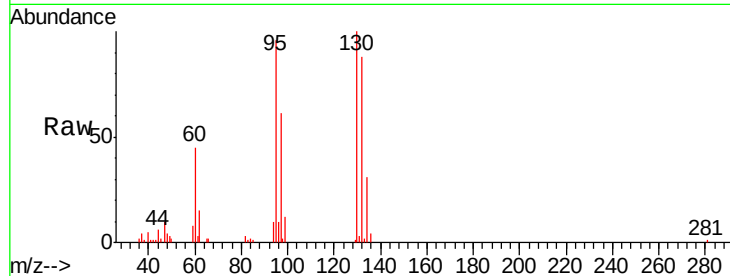
#37
 Trichloroethene
 Concen: 4.95 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 130 Resp: 53111
 Ion Ratio Lower Upper
 130 100
 95 95.3 81.0 121.4

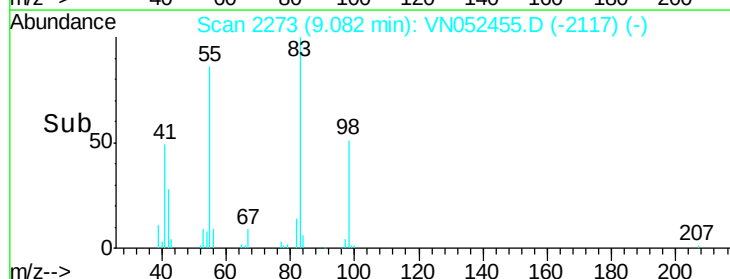
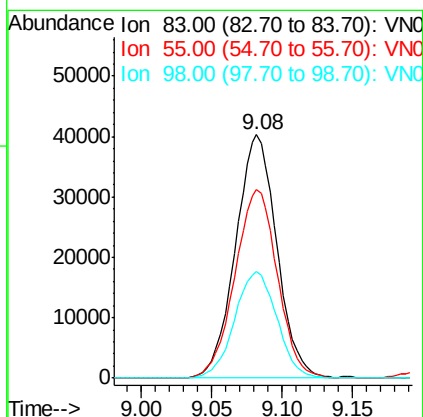
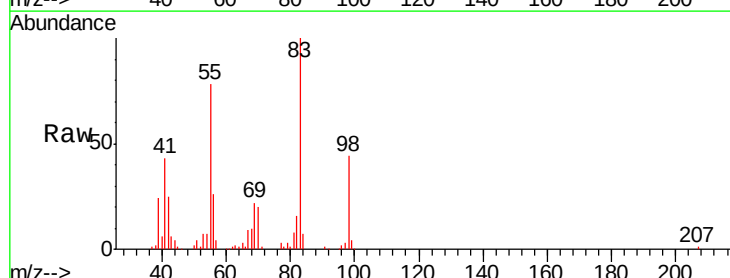
Manual Integrations
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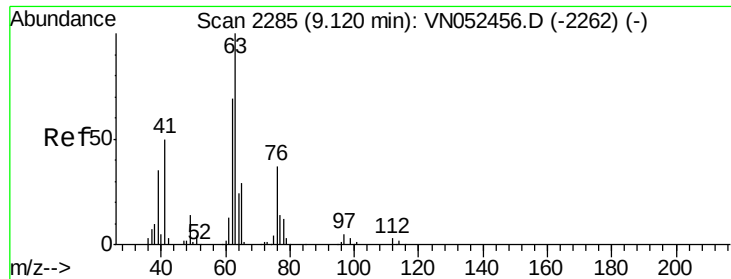
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#38
 Methylcyclohexane
 Concen: 4.74 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion: 83 Resp: 82530
 Ion Ratio Lower Upper
 83 100
 55 79.8 39.8 119.4
 98 44.9 22.9 68.5





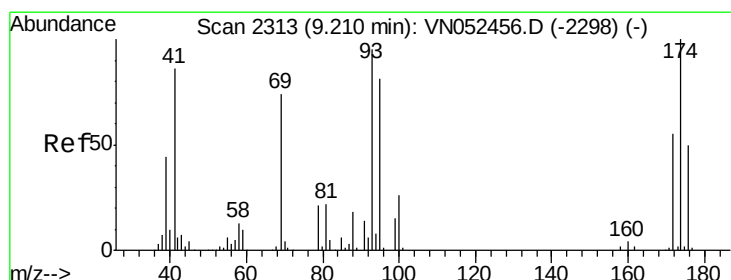
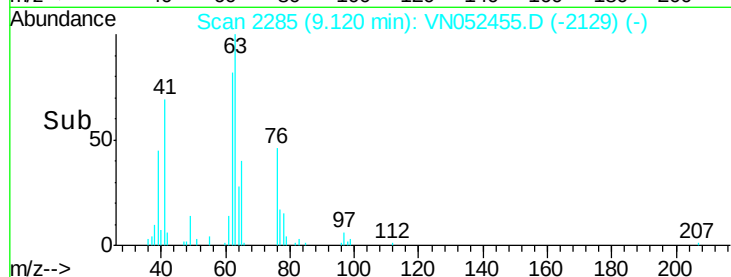
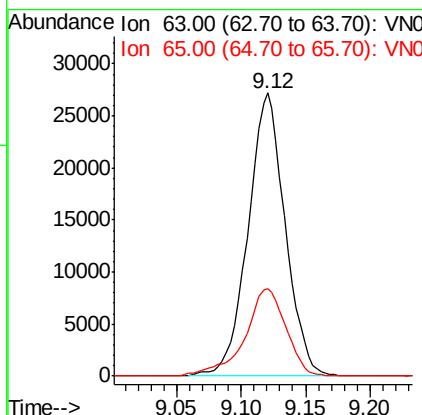
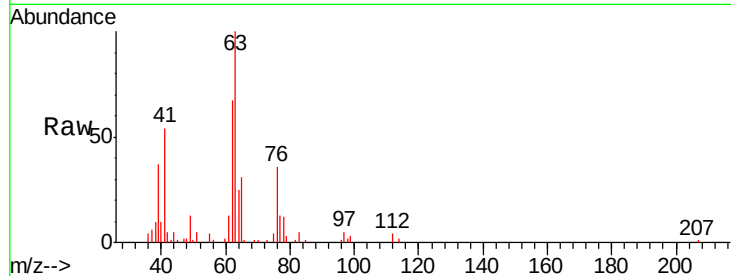
#39
 1,2-Dichloropropane
 Concen: 4.82 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 54591
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.6 35.4

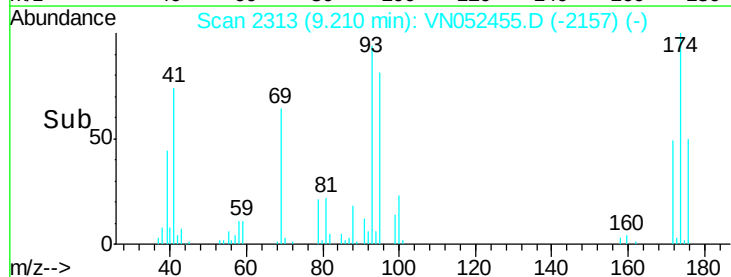
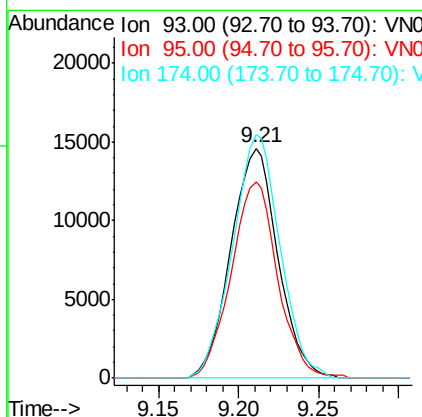
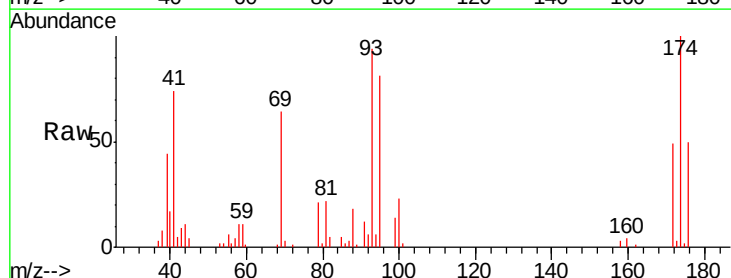
Manual Integrations
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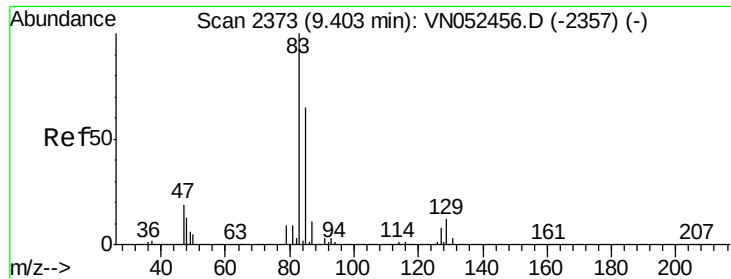
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#40
 Dibromomethane
 Concen: 4.79 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion: 93 Resp: 29360
 Ion Ratio Lower Upper
 93 100
 95 83.8 0.0 168.4
 174 106.5 0.0 210.0





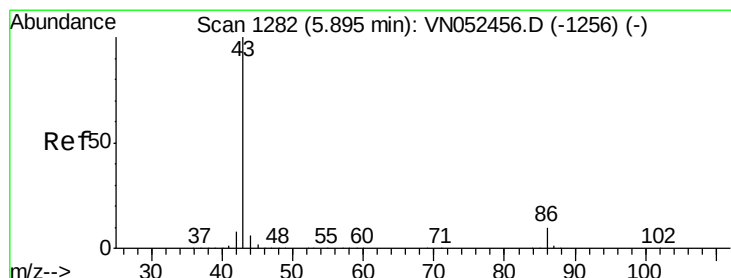
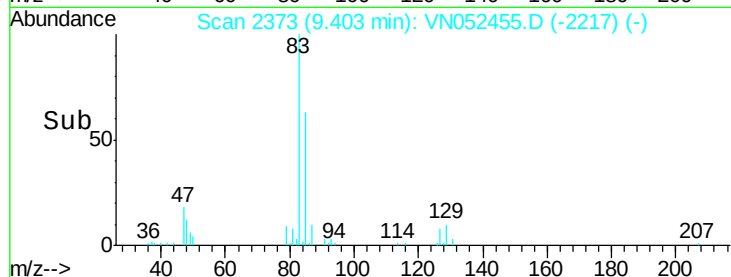
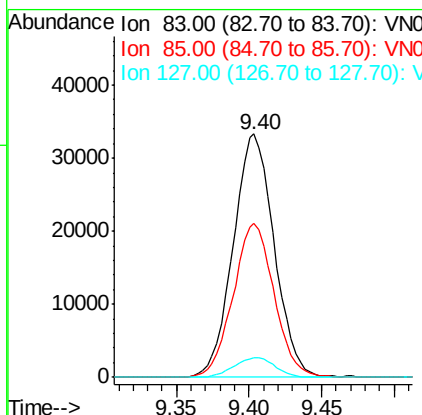
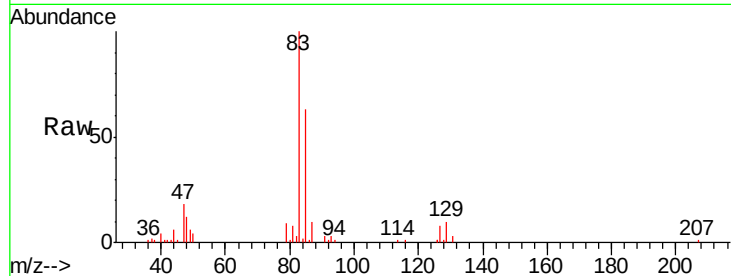
#41
Bromodichloromethane
Concen: 4.83 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.4	78.6
127	8.2	6.6	9.8

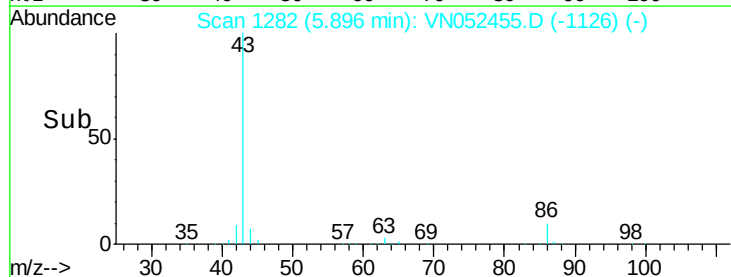
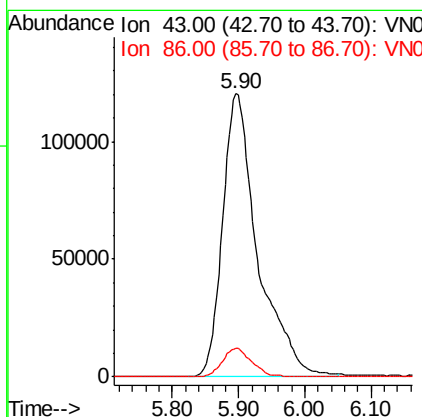
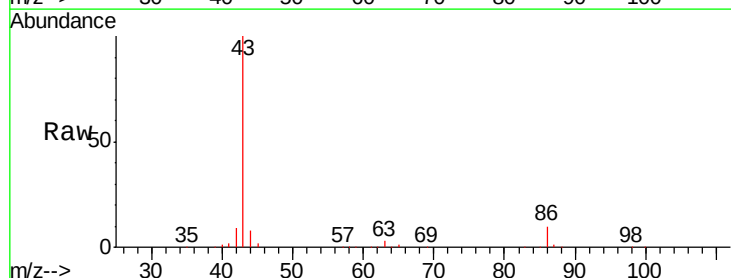
Manual Integrations
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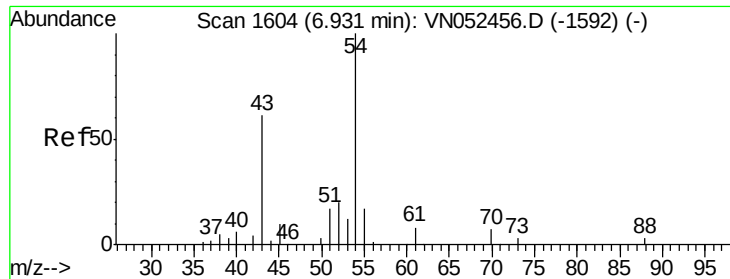
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#42
Vinyl Acetate
Concen: 21.82 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.5	9.7





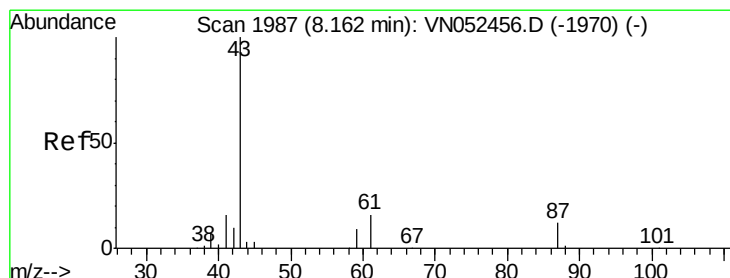
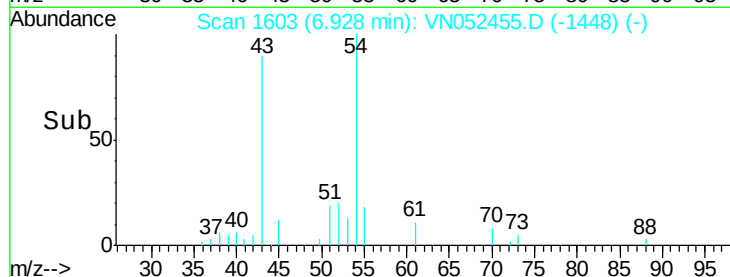
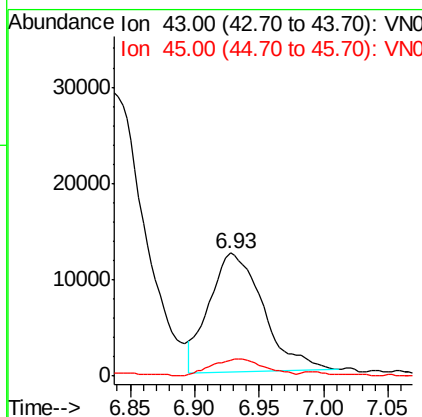
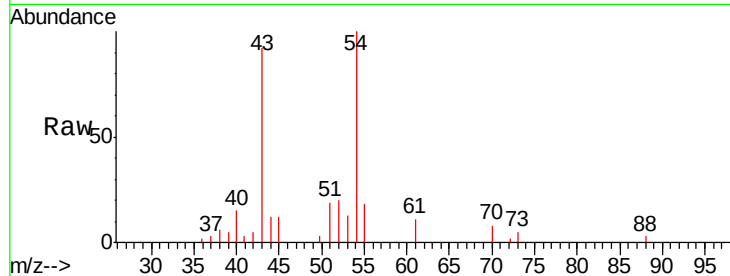
#43
Ethyl Acetate
Concen: 2.14 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 35747
Ion Ratio Lower Upper
43 100
45 14.5 1.0 1.6#

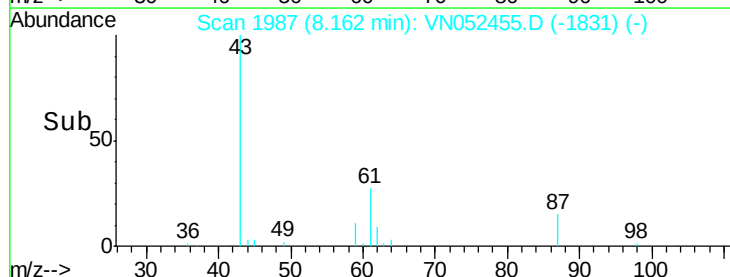
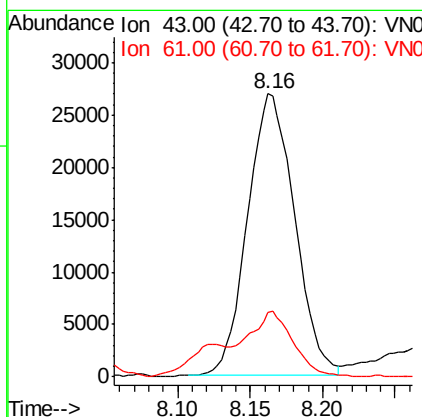
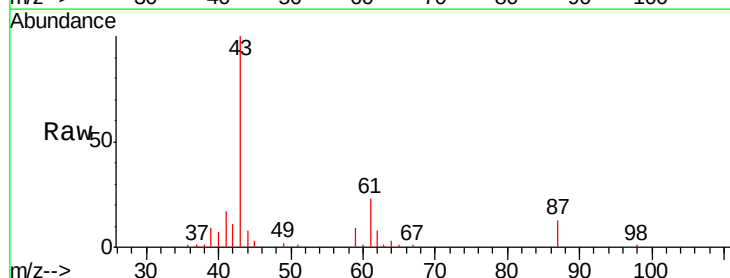
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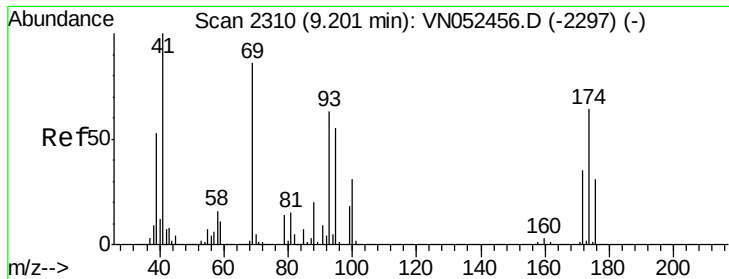
MMDadoda
11/27/2018 3:52:09 PM



#44
Isopropyl Acetate
Concen: 4.32 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion: 43 Resp: 60605
Ion Ratio Lower Upper
43 100
61 20.4 16.0 24.0





#45

1,4-Dioxane

Concen: 89.63 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

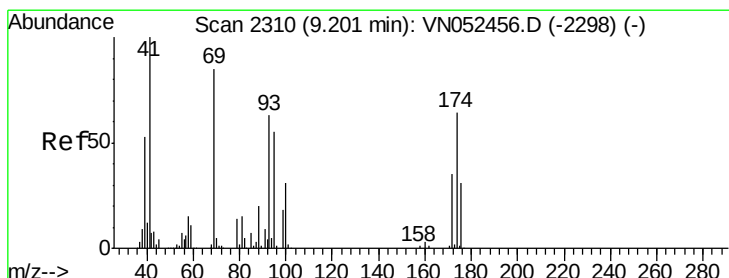
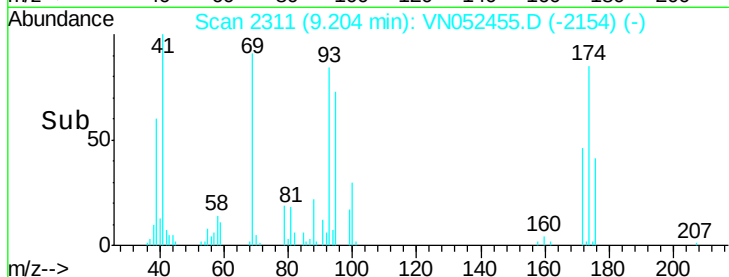
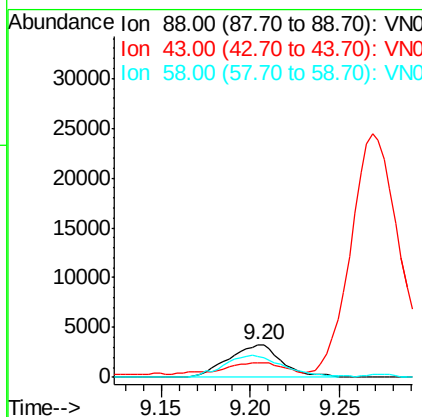
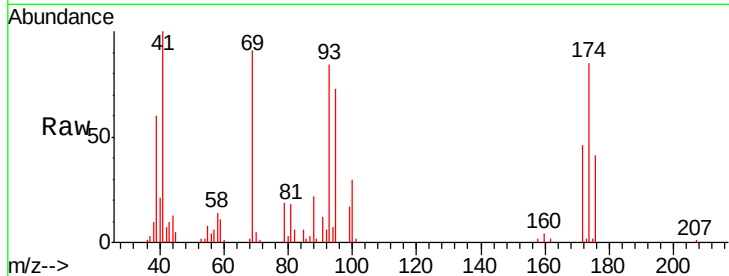
ClientSampleId :

VSTDIC005

Tgt Ion:	88	Resp:	6881
Ion	Ratio	Lower	Upper
88	100		
43	27.5	29.5	44.3#
58	74.2	61.5	92.3

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#46

Methyl methacrylate

Concen: 4.19 ug/l

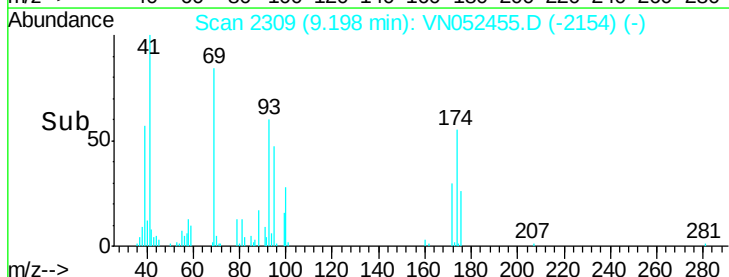
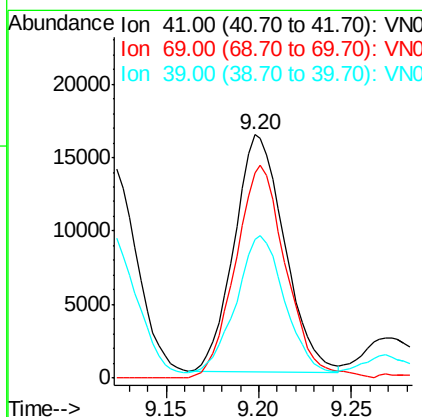
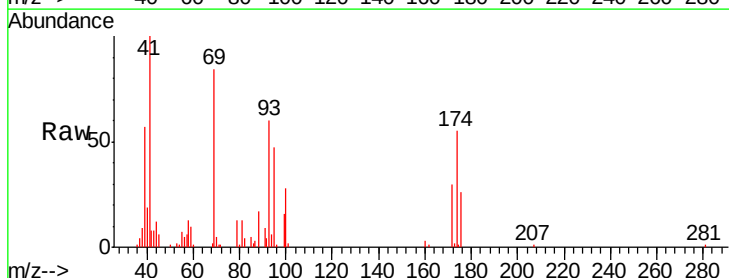
RT: 9.20 min Scan# 2309

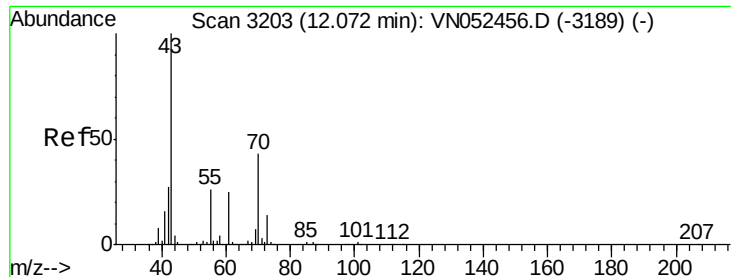
Delta R.T. -0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Tgt Ion:	41	Resp:	30519
Ion	Ratio	Lower	Upper
41	100		
69	86.9	42.5	127.6
39	56.8	26.3	78.9





#47

n-amyl Acetate

Concen: 3.71 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 43159

Ion Ratio Lower Upper

43 100

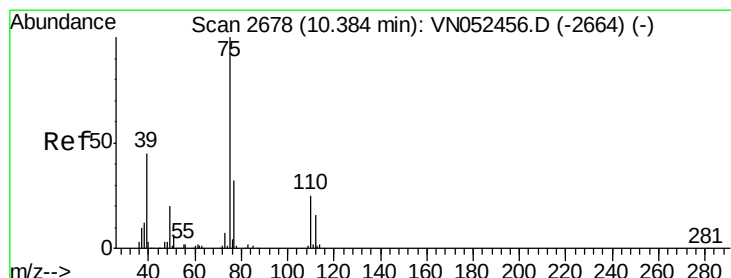
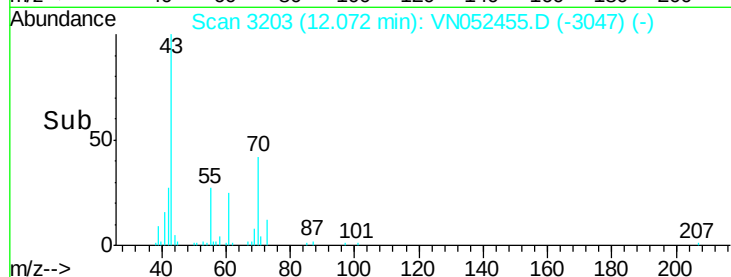
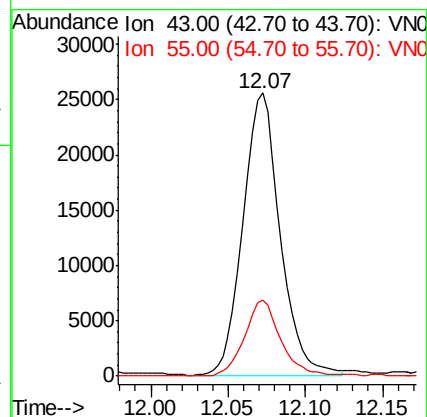
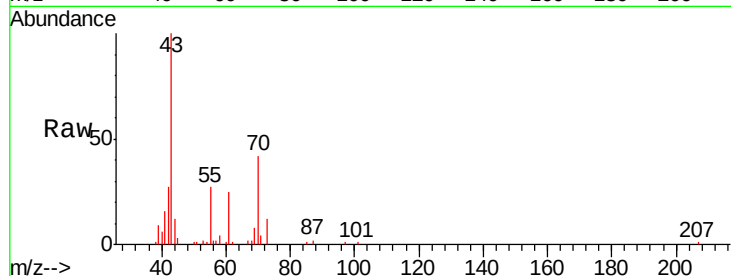
55 25.8 21.1 31.7

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 4.19 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052455.D

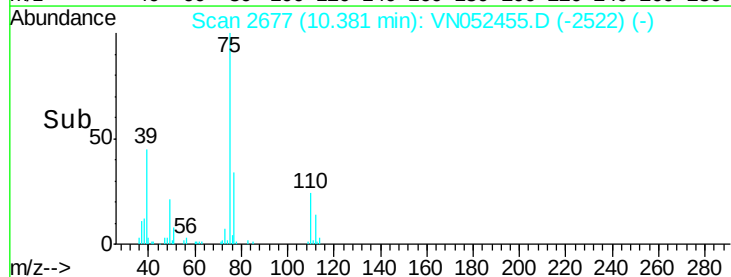
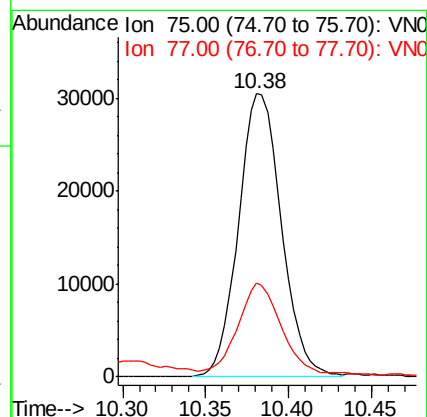
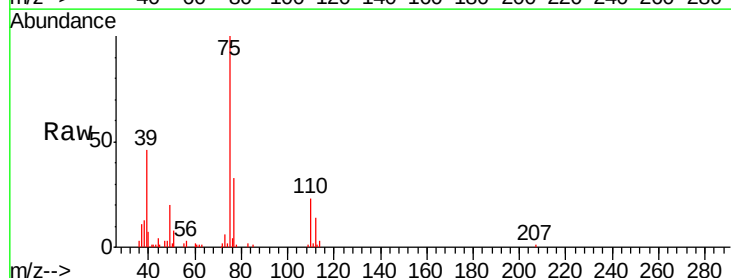
Acq: 26 Nov 2018 12:51

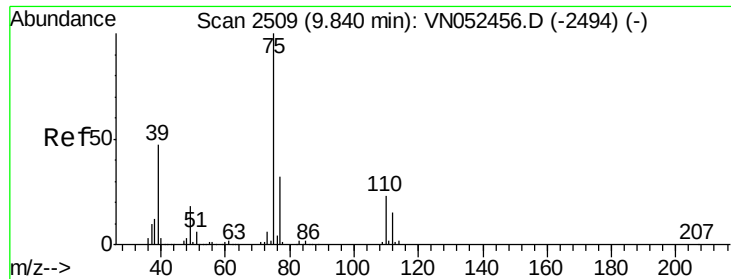
Tgt Ion: 75 Resp: 54948

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4





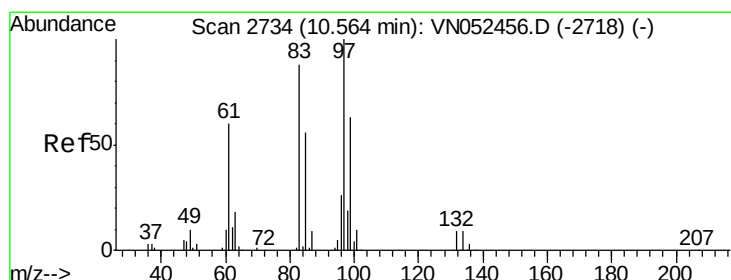
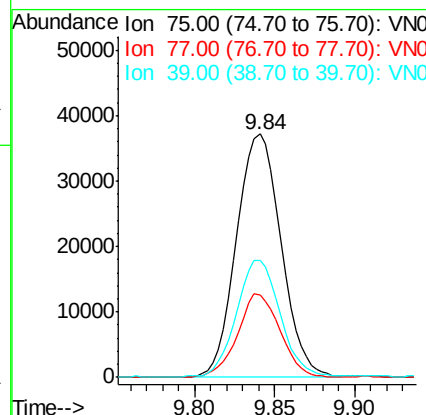
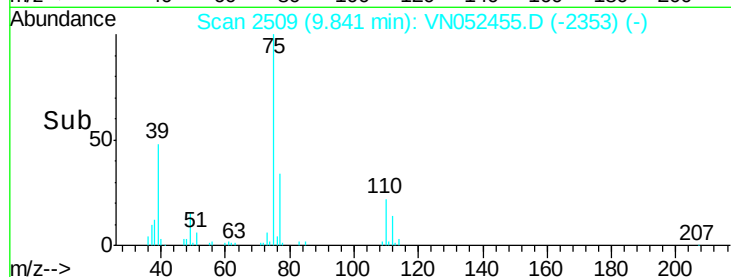
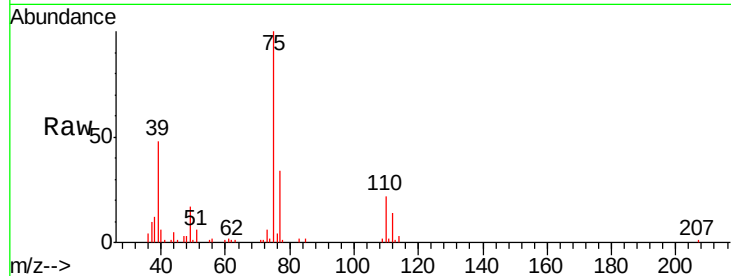
#49
 cis-1,3-Dichloropropene
 Concen: 4.44 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.4	38.0
39	47.4	37.3	55.9

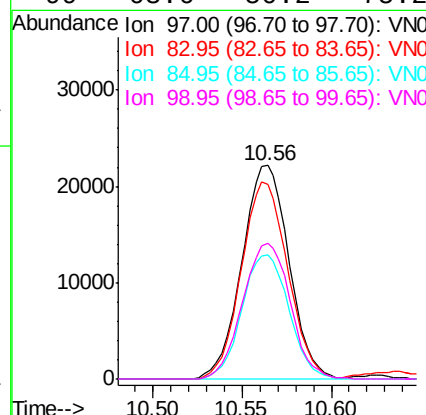
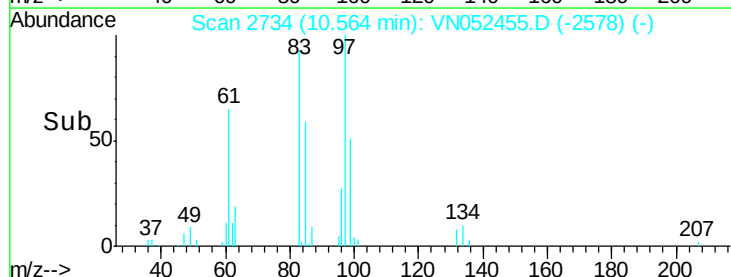
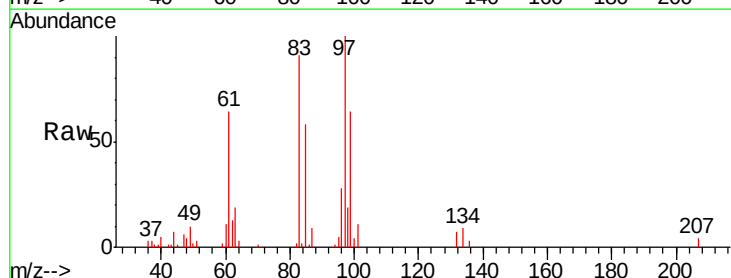
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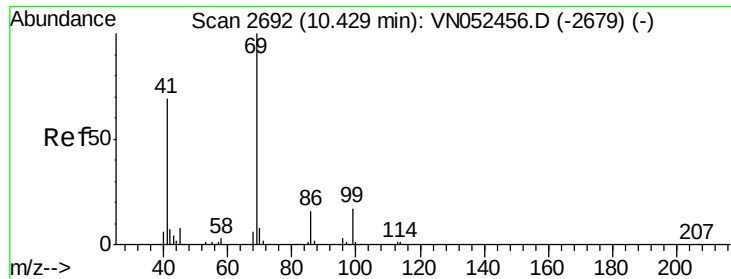
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 4.71 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.2	70.4	105.6
85	58.1	45.0	67.6
99	63.6	50.2	75.2





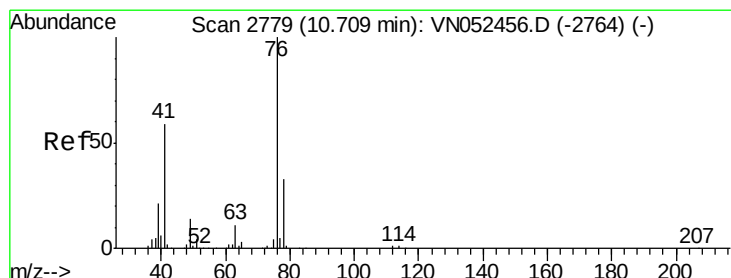
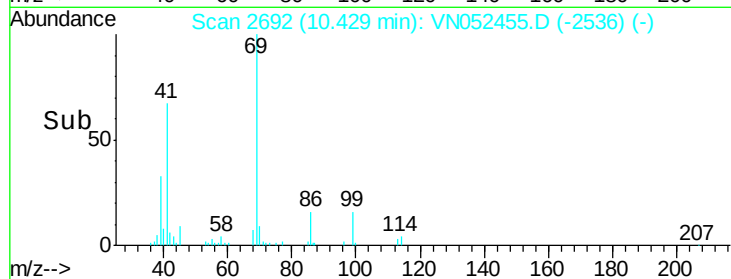
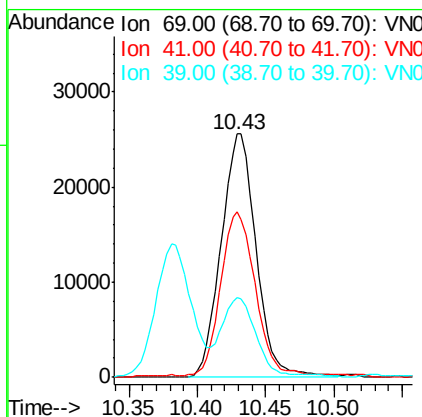
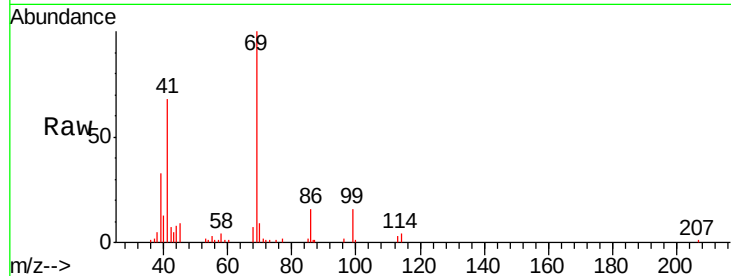
#51
Ethyl methacrylate
Concen: 4.19 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.9	34.4	103.3
39	32.1	16.4	49.2

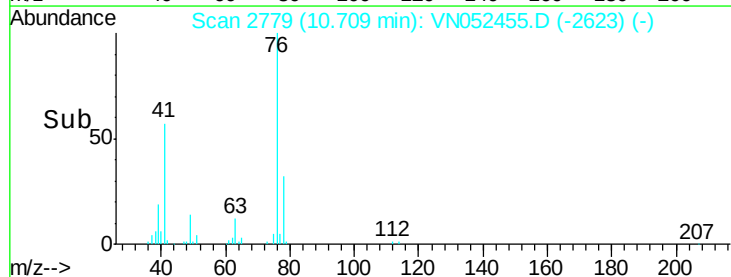
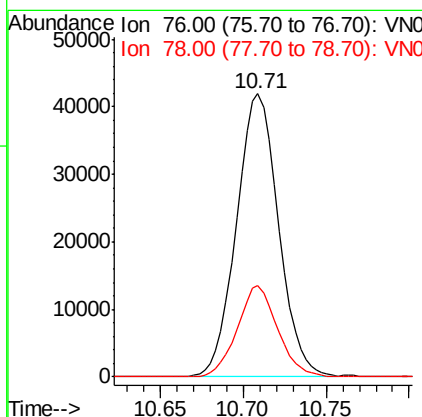
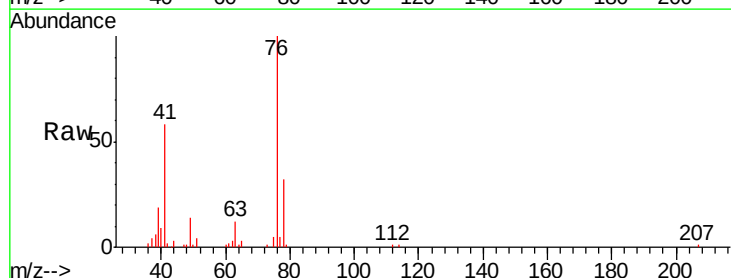
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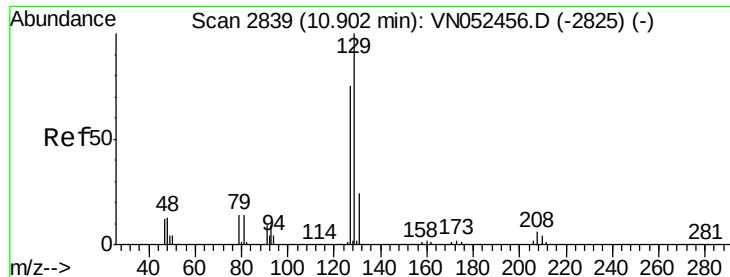
MMDadoda
11/27/2018 3:52:09 PM



#52
1,3-Dichloropropane
Concen: 4.78 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
76	100		
78	30.9	0.0	64.8





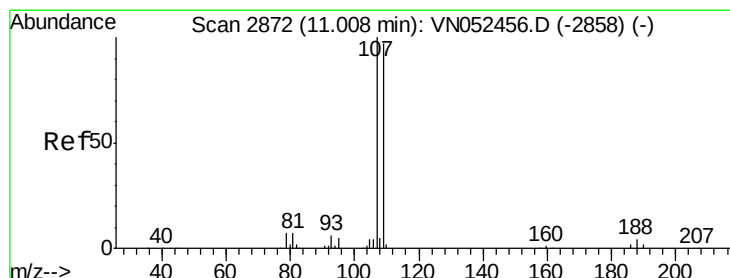
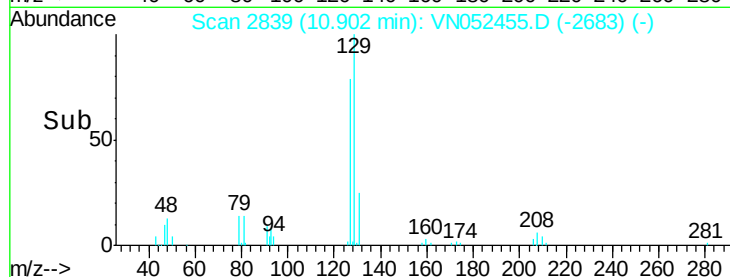
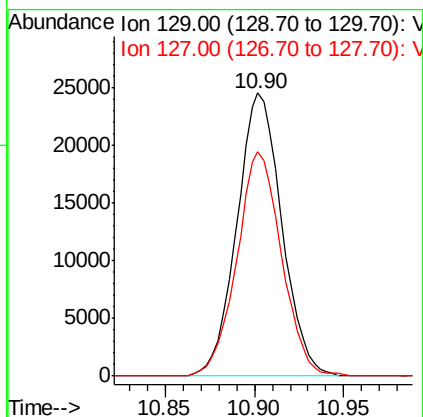
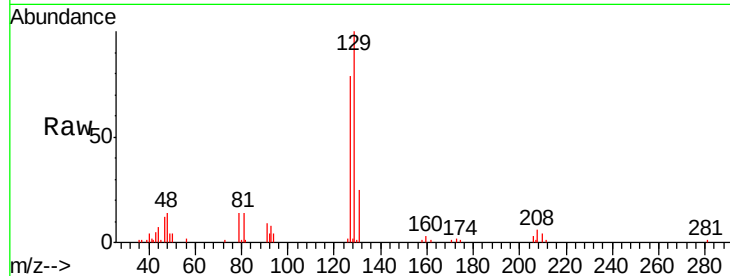
#53
Dibromochloromethane
Concen: 4.50 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:129 Resp: 42993
Ion Ratio Lower Upper
129 100
127 79.0 37.6 112.8

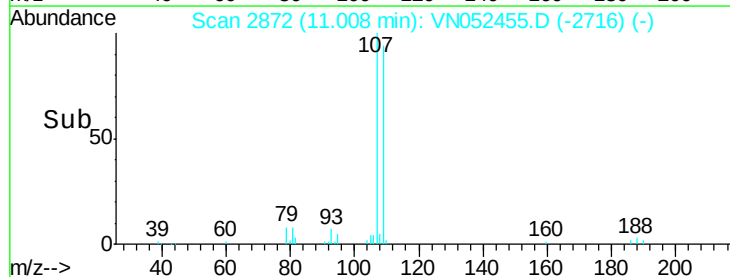
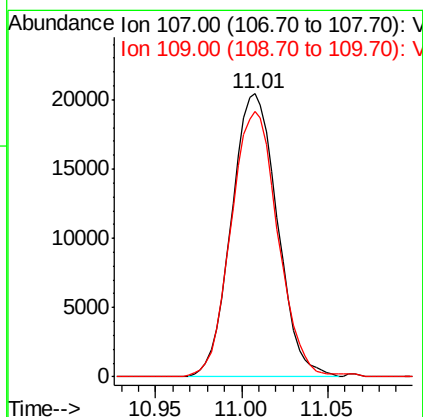
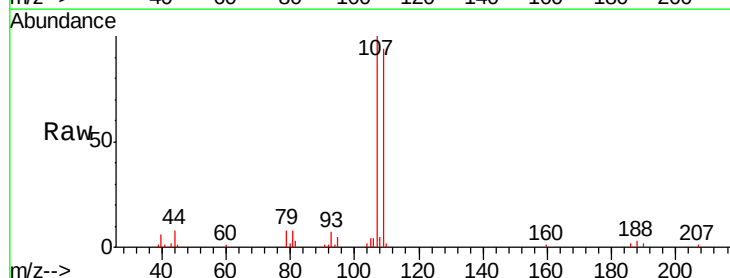
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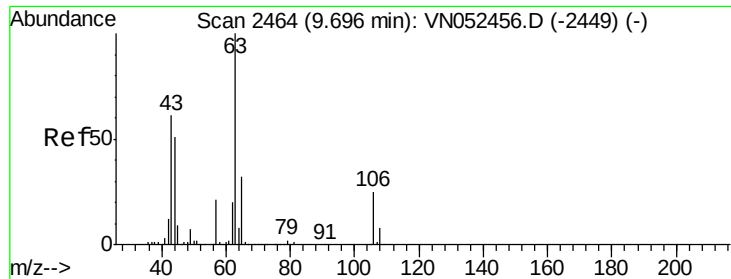
MMDadoda
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#54
1,2-Dibromoethane
Concen: 4.46 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion:107 Resp: 37840
Ion Ratio Lower Upper
107 100
109 95.7 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 20.82 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

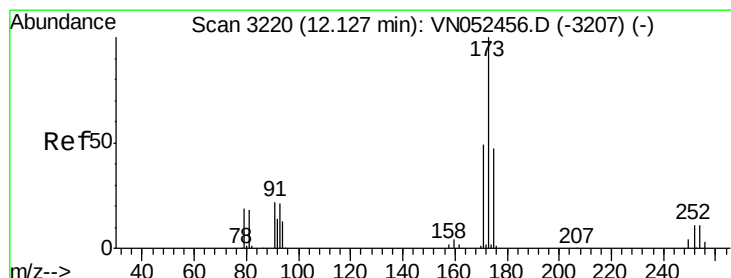
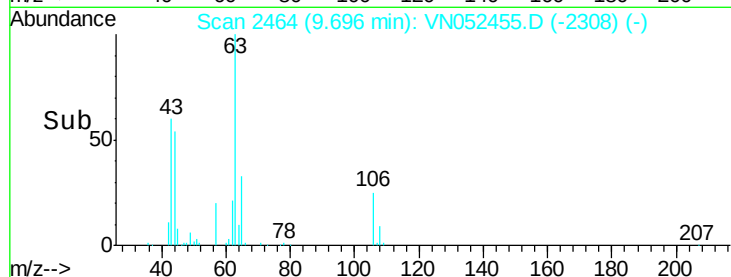
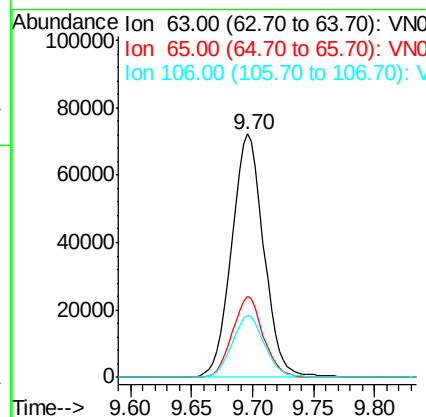
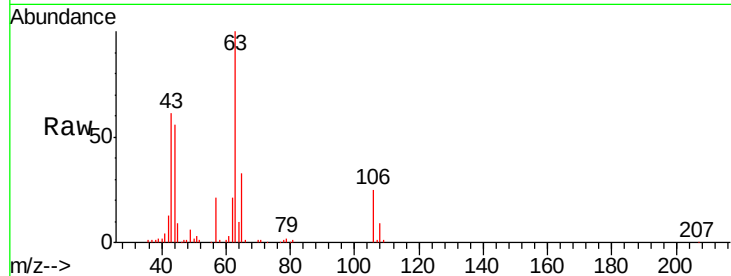
ClientSampleId :

VSTDIC005

Tgt Ion:	63	Resp:	132871
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	25.5	20.4	30.6

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#56

Bromoform

Concen: 4.34 ug/l

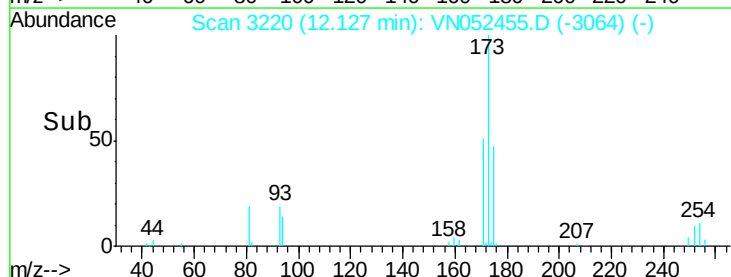
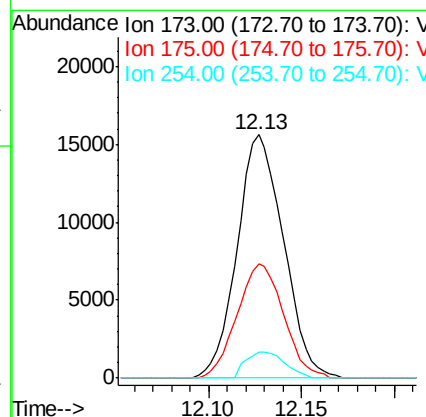
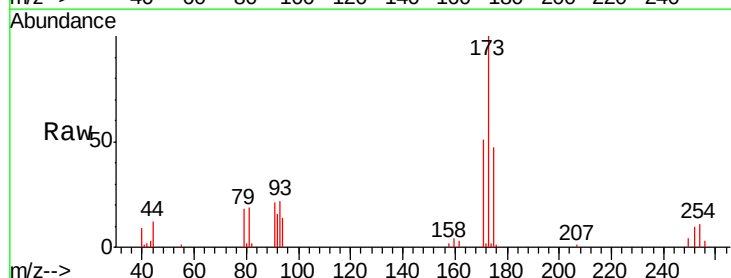
RT: 12.13 min Scan# 3220

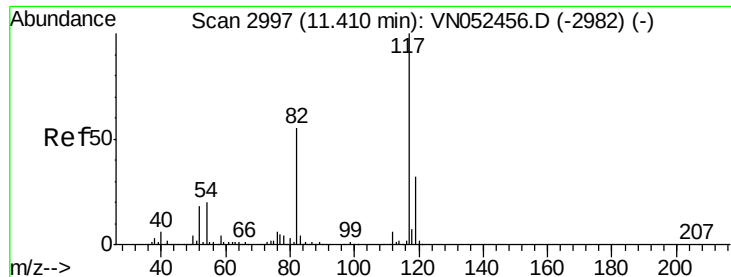
Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Tgt Ion:	173	Resp:	27145
Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.7	58.1
254	9.1	8.4	12.6





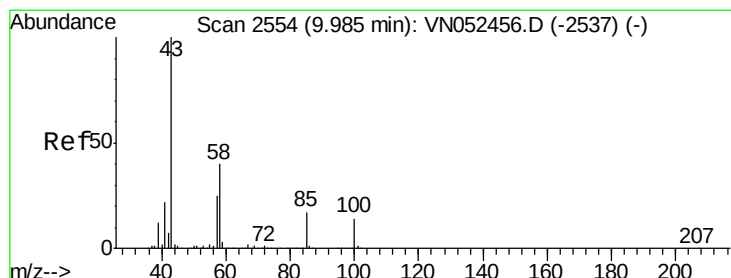
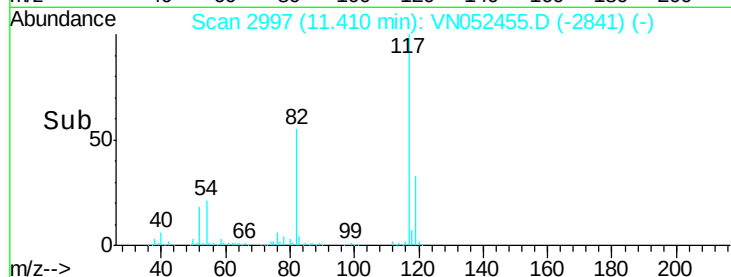
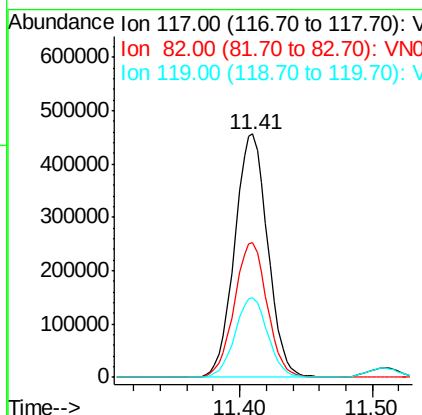
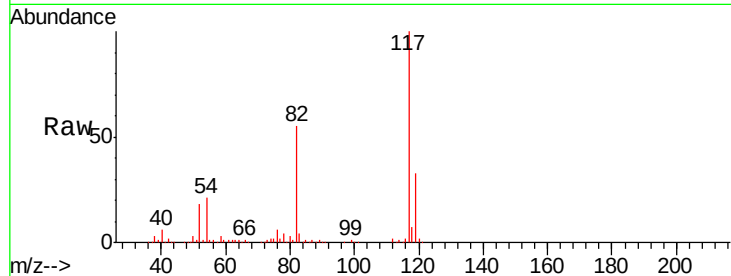
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	55.1	44.2	66.2
119	32.5	25.4	38.2

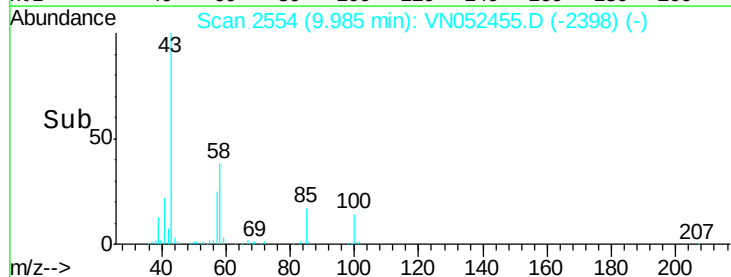
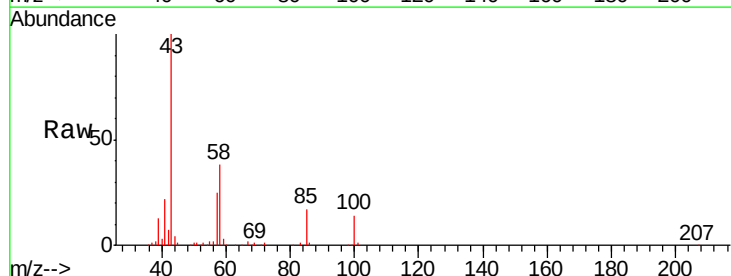
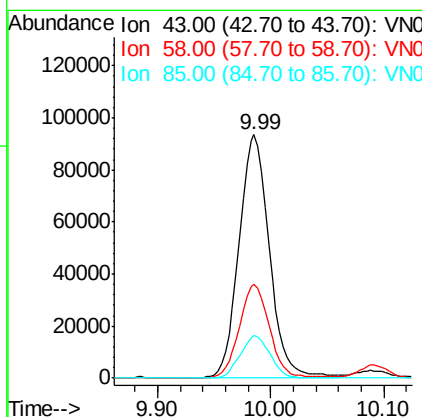
Manual Integrations
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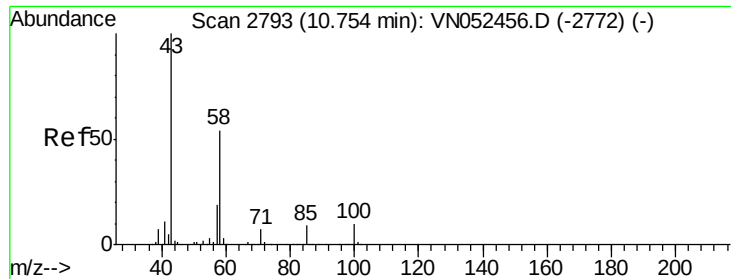
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#58
4-Methyl-2-Pentanone
Concen: 22.73 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	38.7	31.6	47.4
85	17.2	13.3	19.9





#59

2-Hexanone

Concen: 22.40 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 116858

Ion Ratio Lower Upper

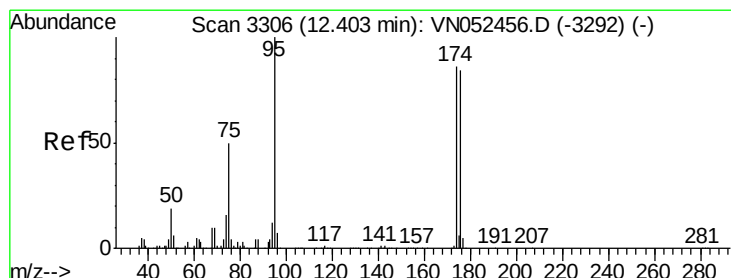
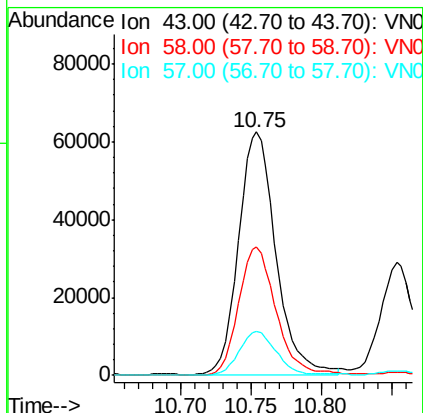
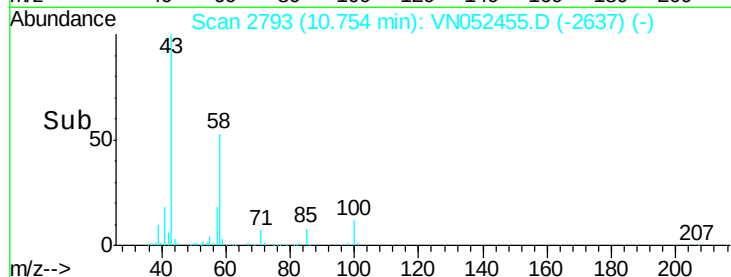
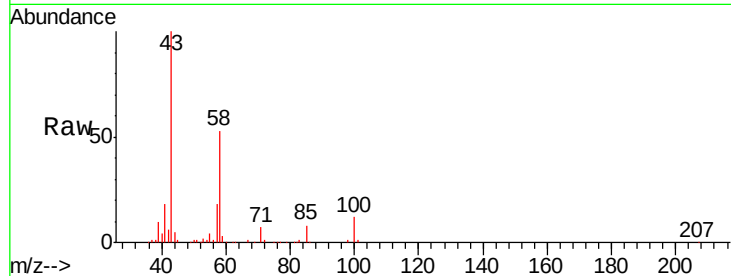
43 100

58 52.7 43.2 64.8

57 17.9 14.9 22.3

Manual Integrations
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#60

4-Bromofluorobenzene

Concen: 22.40 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

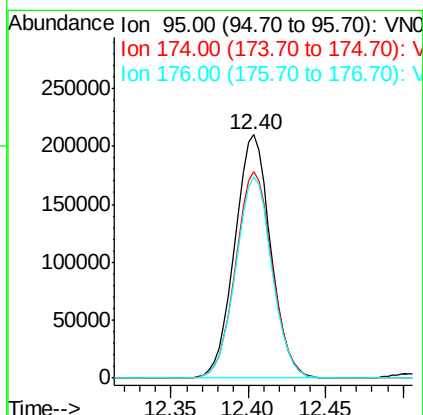
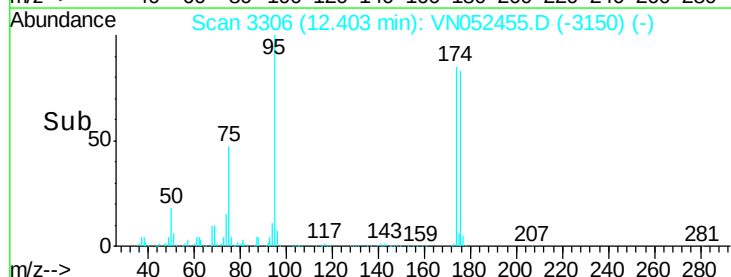
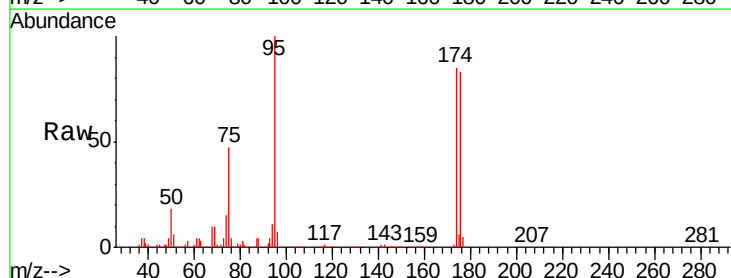
Tgt Ion: 95 Resp: 339589

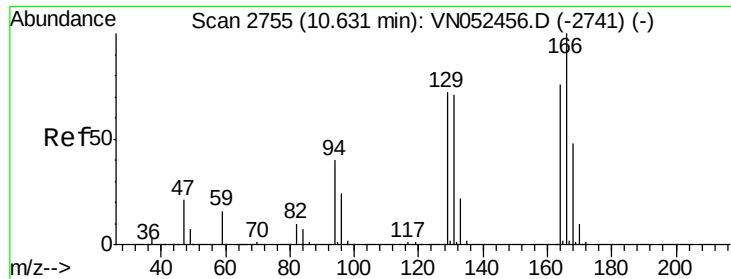
Ion Ratio Lower Upper

95 100

174 86.0 67.9 101.9

176 83.2 66.4 99.6





#61

Tetrachloroethene

Concen: 5.19 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion:164 Resp: 50342

Ion Ratio Lower Upper

164 100

166 123.3 104.6 157.0

129 91.8 75.3 112.9

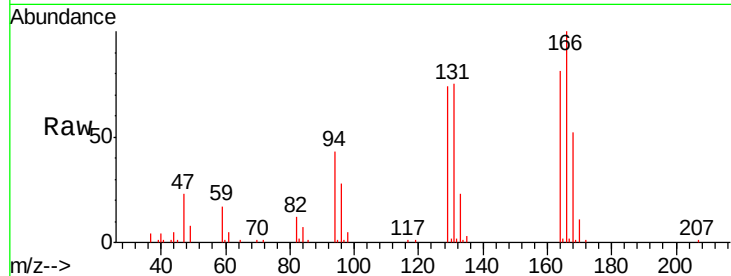
131 92.4 74.3 111.5

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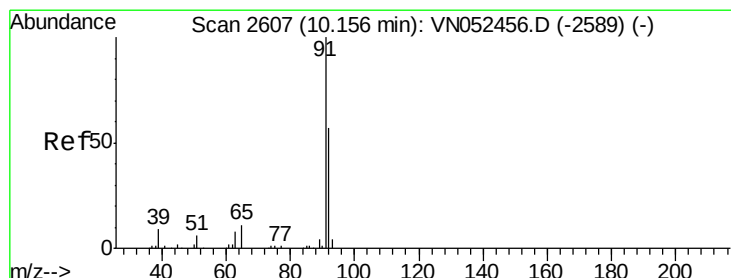
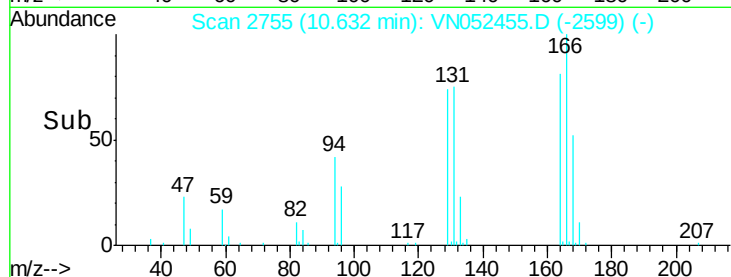
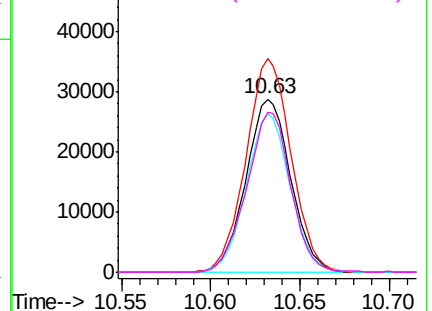


Abundance Ion 163.85 (163.55 to 164.55): V

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: 4.99 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052455.D

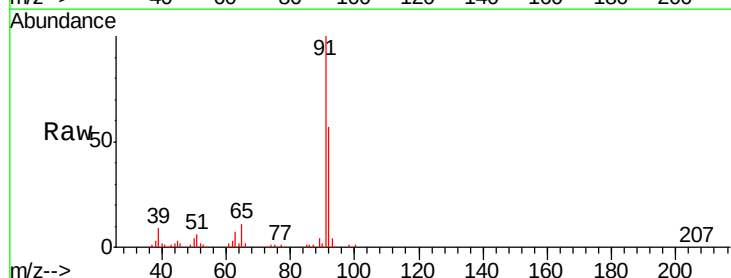
Acq: 26 Nov 2018 12:51

Tgt Ion: 91 Resp: 216625

Ion Ratio Lower Upper

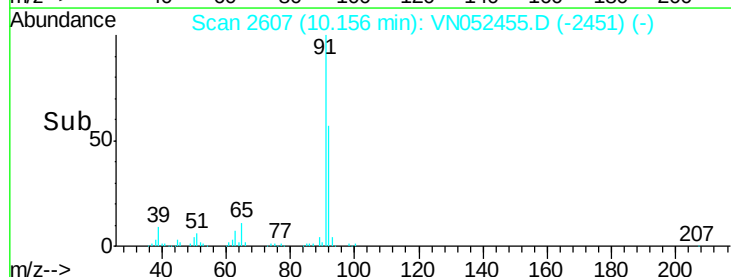
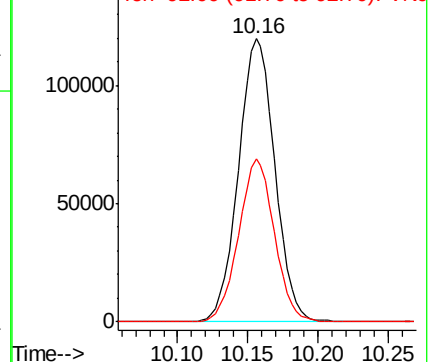
91 100

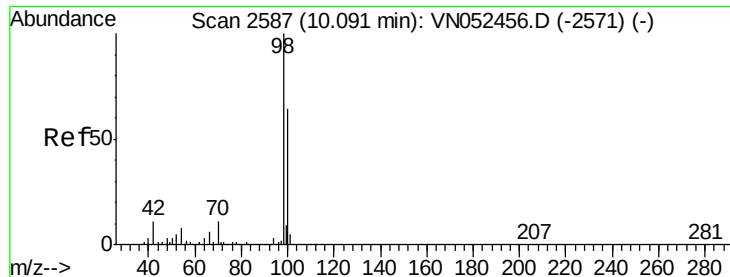
92 56.5 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





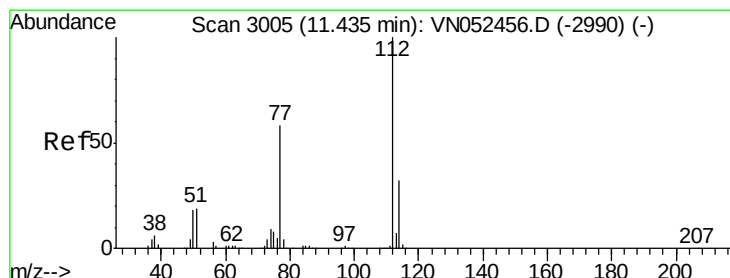
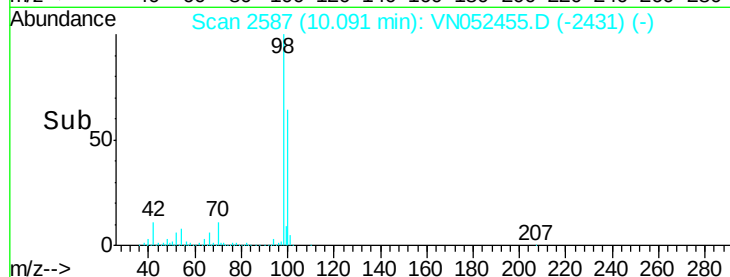
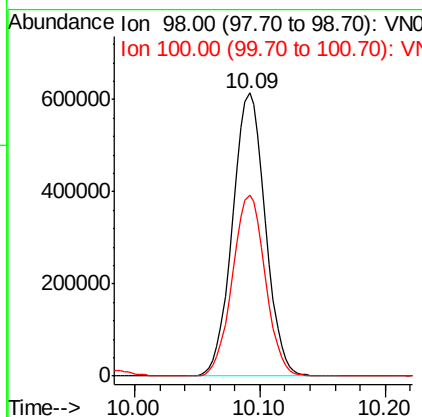
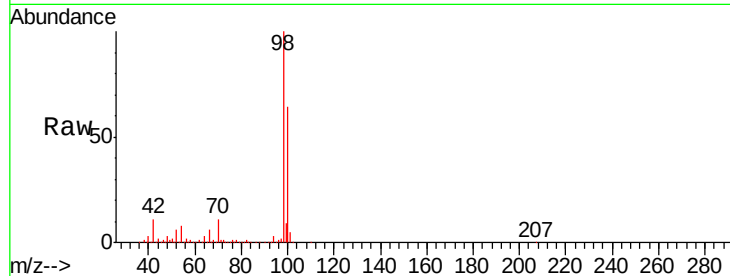
#63
Toluene-d8
Concen: 4.99 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 98 Resp: 1117226
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

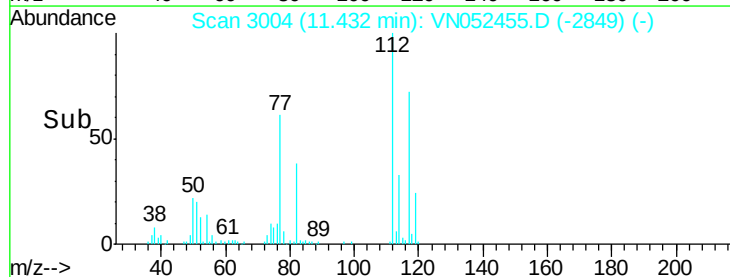
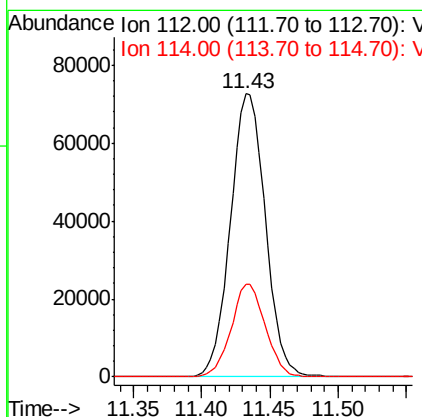
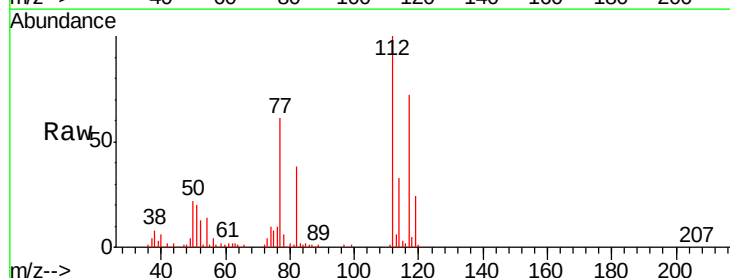
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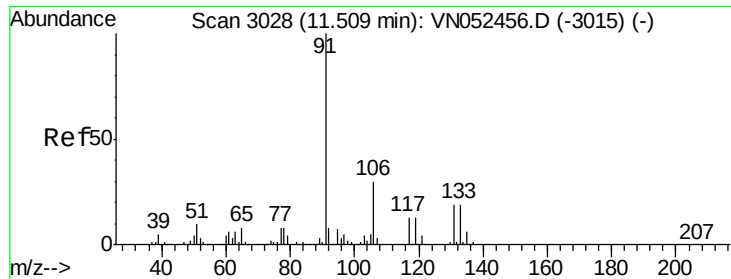
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#64
Chlorobenzene
Concen: 4.89 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion: 112 Resp: 129497
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 4.83 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

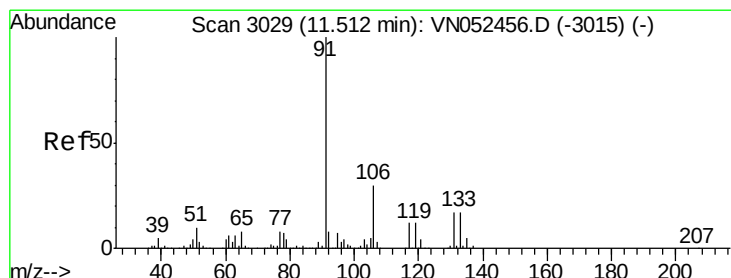
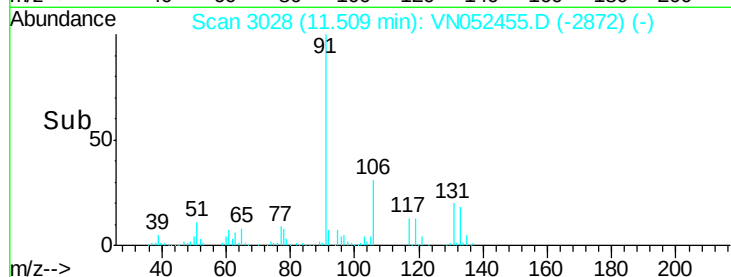
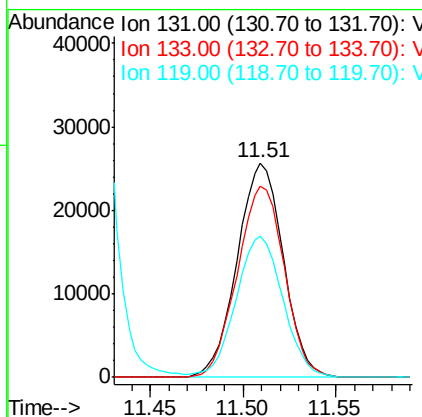
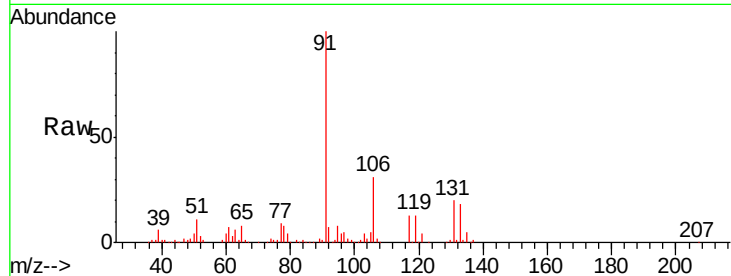
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	44441		
133	91.0	0.0	193.4	
119	67.3	0.0	133.0	

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#66

Ethyl Benzene

Concen: 4.69 ug/l

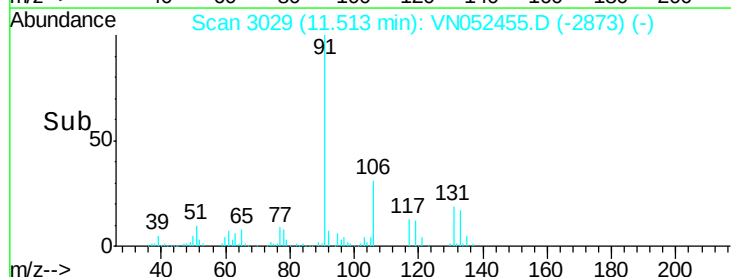
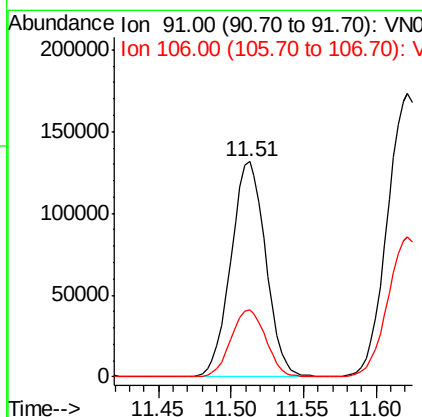
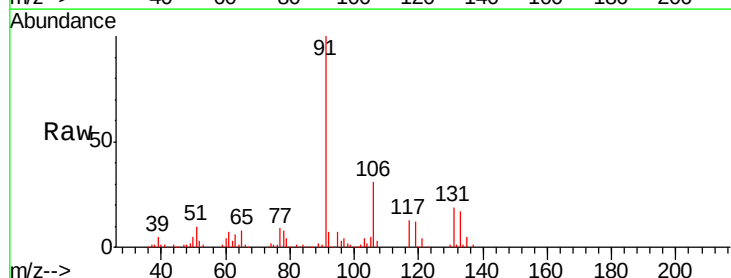
RT: 11.51 min Scan# 3029

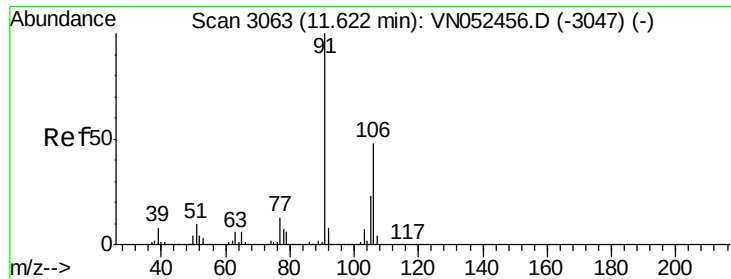
Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	219471		
106	31.3	24.3	36.5	





#67

m/p-Xylenes

Concen: 9.37 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 163445

Ion Ratio Lower Upper

106 100

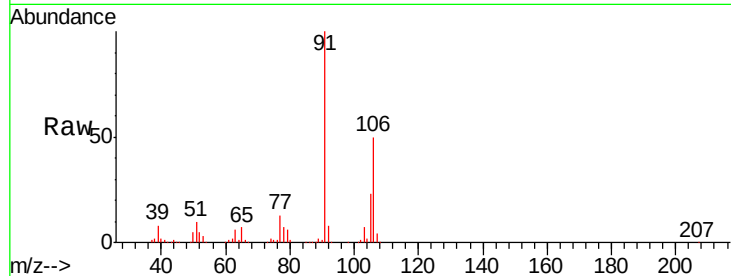
91 202.3 163.9 245.9

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

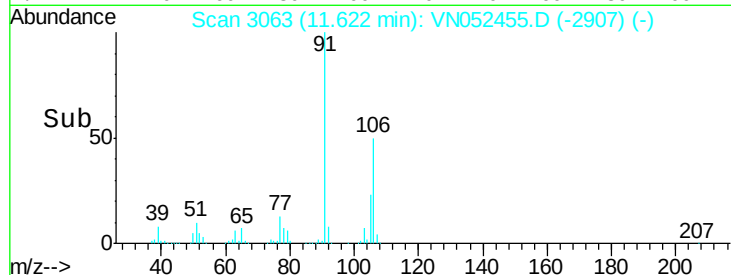
150000

100000

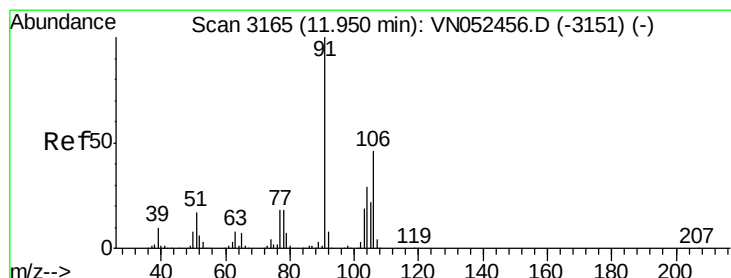
50000

0

11.55 11.60 11.65 11.70



Time-->



#68

o-Xylene

Concen: 4.76 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052455.D

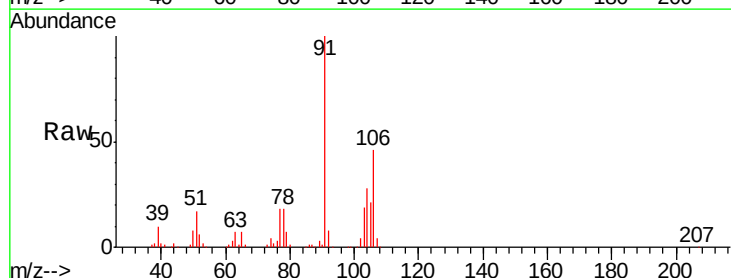
Acq: 26 Nov 2018 12:51

Tgt Ion:106 Resp: 80553

Ion Ratio Lower Upper

106 100

91 212.7 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

120000

100000

80000

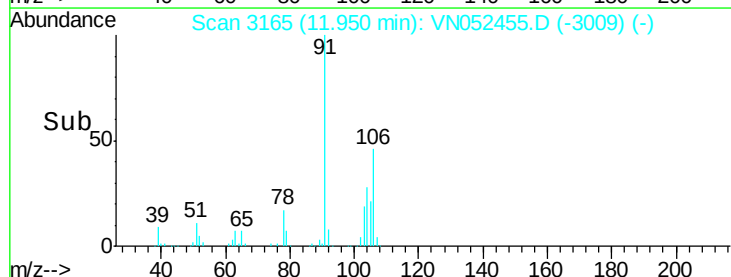
60000

40000

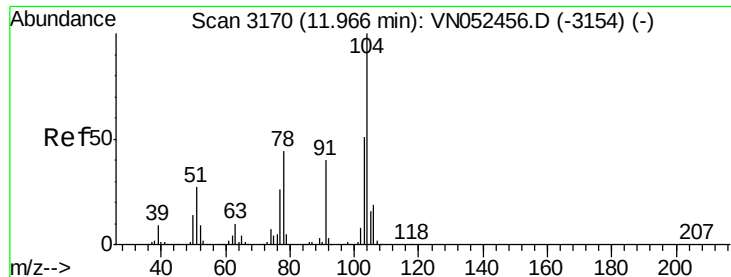
20000

0

11.90 11.95 12.00



Time-->



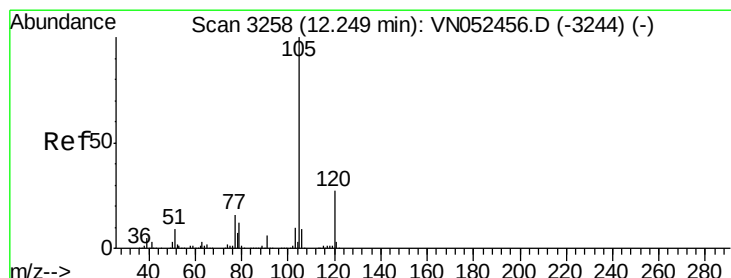
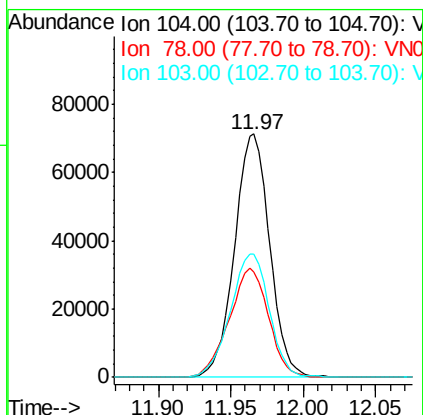
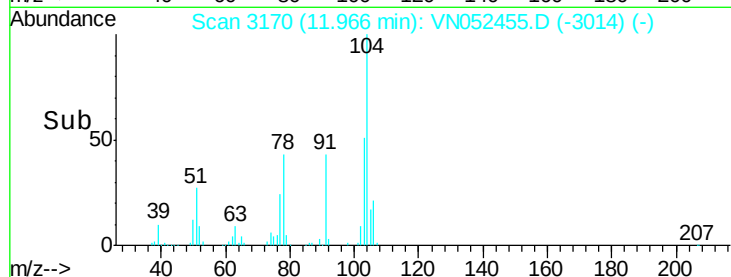
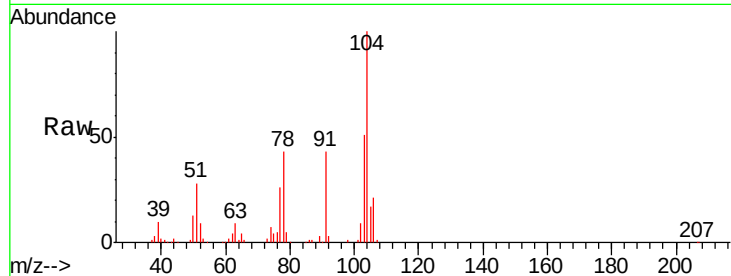
#69
Styrene
 Concen: 4.39 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.2	39.3	58.9
103	56.2	44.6	66.8

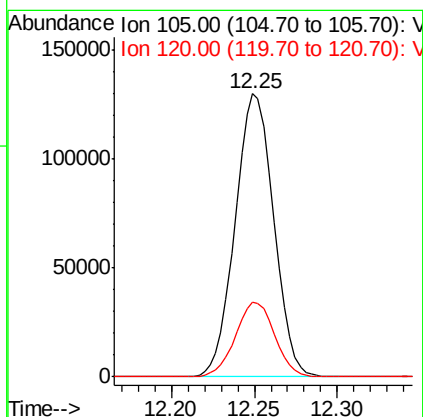
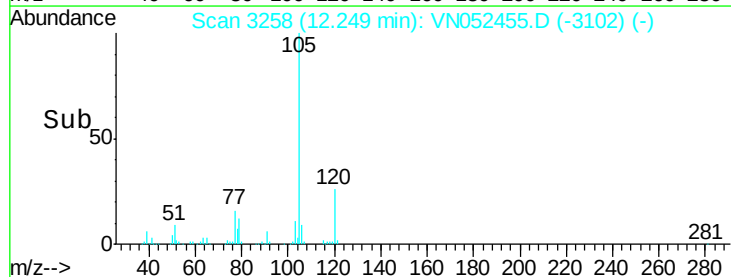
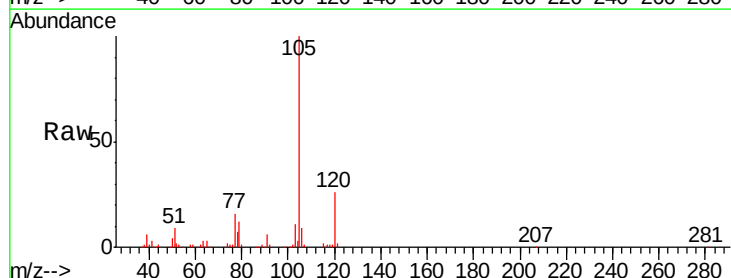
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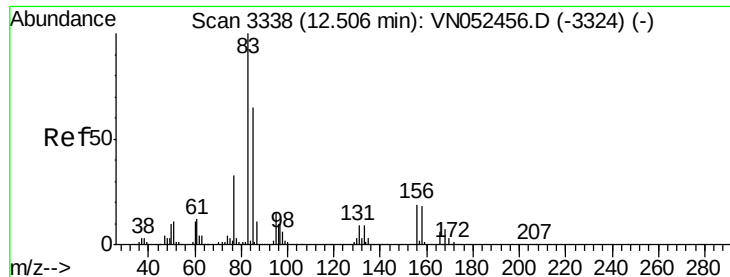
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#70
Isopropylbenzene
 Concen: 4.67 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.6	34.6





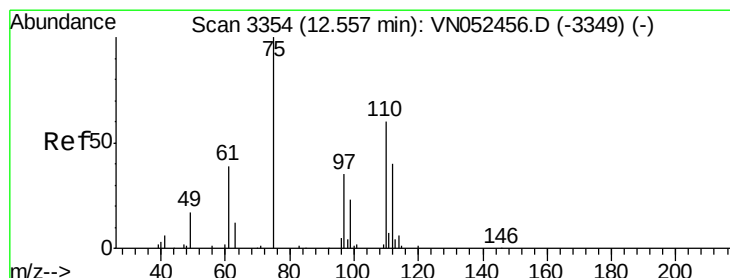
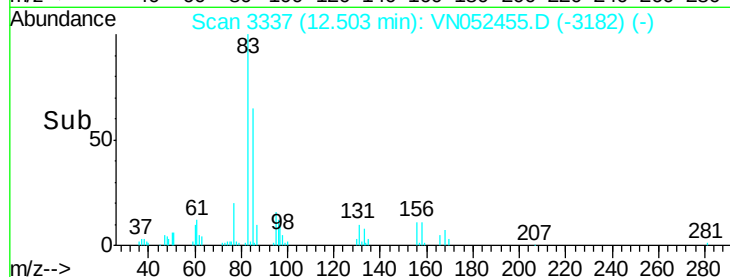
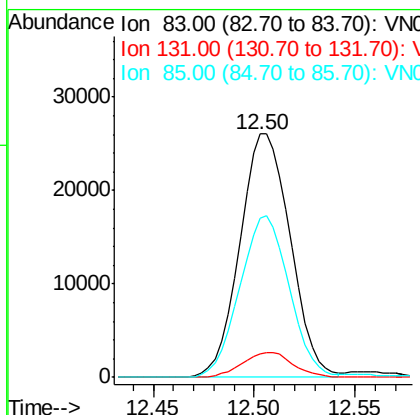
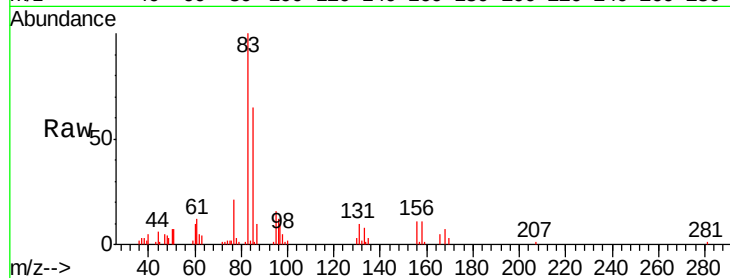
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.65 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.6
85	65.0	32.2	96.6

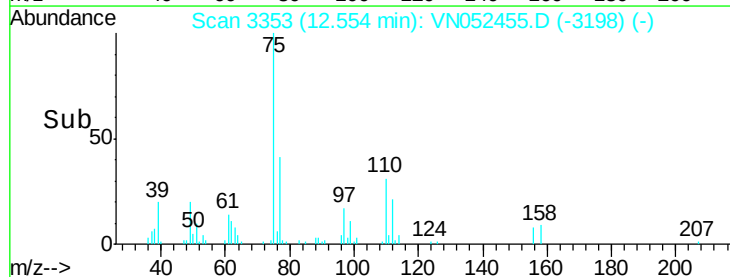
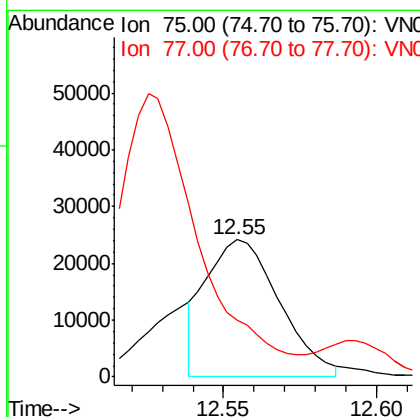
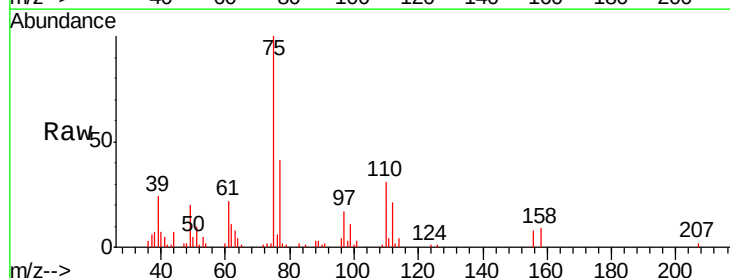
Manual Integrations
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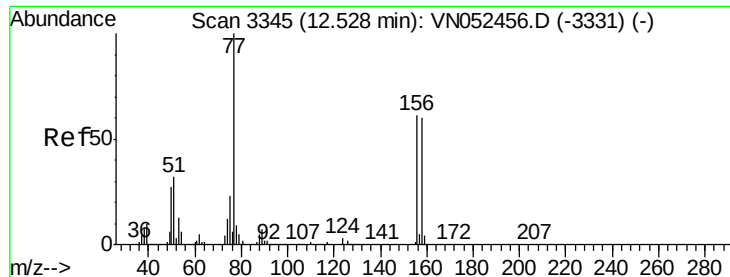
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#72
 1,2,3-Trichloropropane
 Concen: 4.95 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	236.2	0.0	514.8





#73

Bromobenzene

Concen: 4.61 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

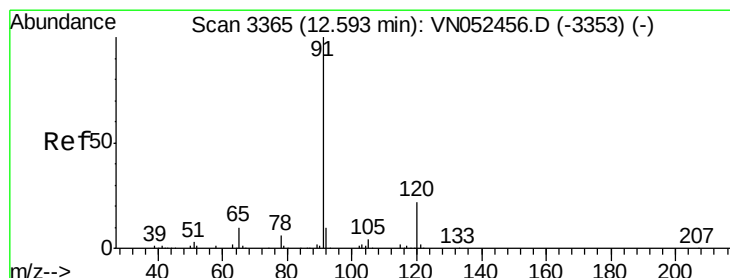
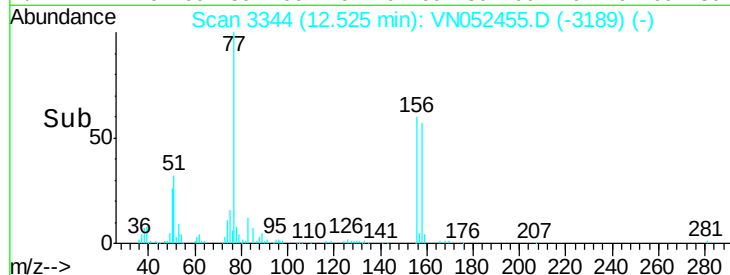
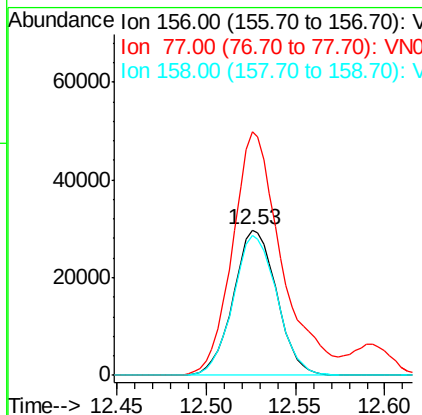
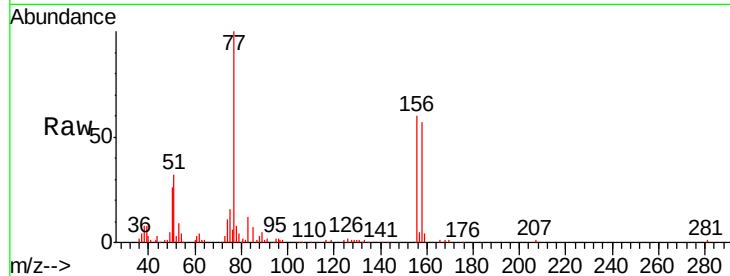
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	50234
Ion	Ratio	Lower	Upper
156	100		
77	190.2	0.0	382.6
158	97.4	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 4.54 ug/l

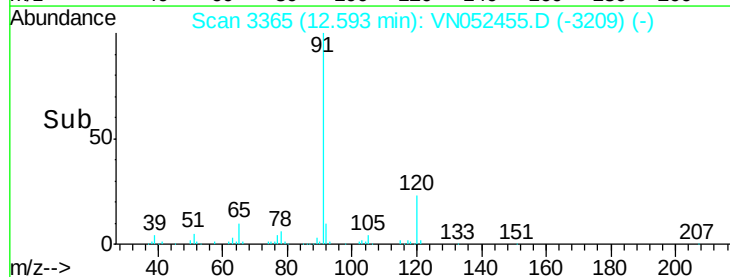
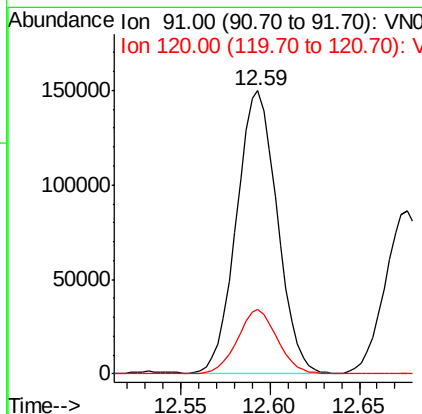
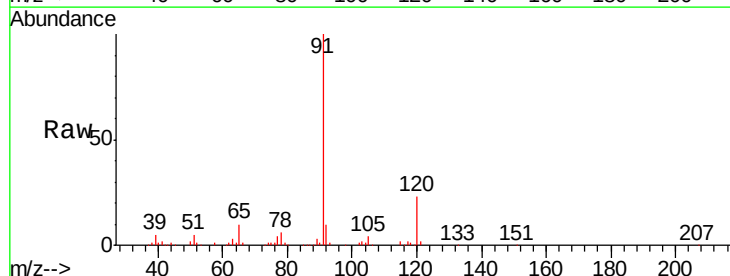
RT: 12.59 min Scan# 3365

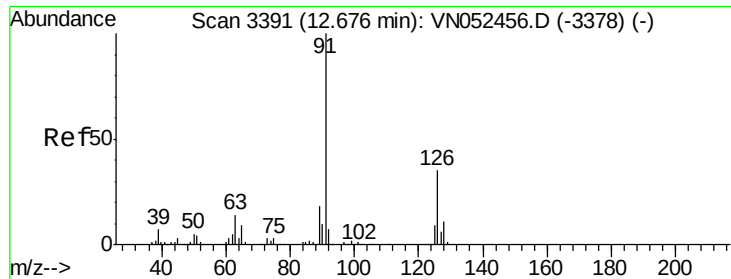
Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Tgt Ion:	91	Resp:	238307
Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	44.6





#75

2-Chlorotoluene

Concen: 4.65 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 141652

Ion Ratio Lower Upper

91 100

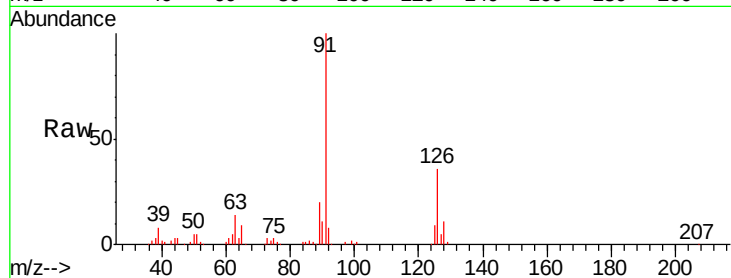
126 34.6 0.0 68.4

Manual Integrations

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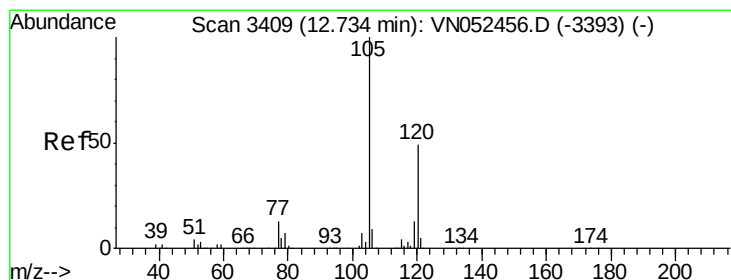
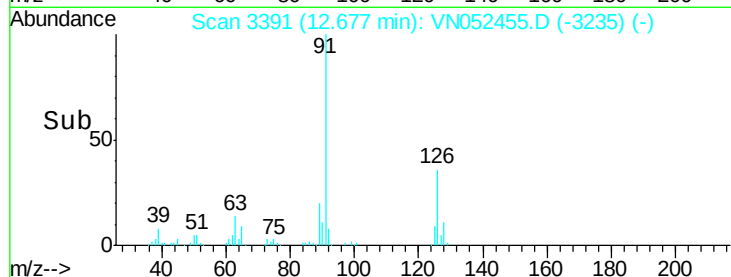
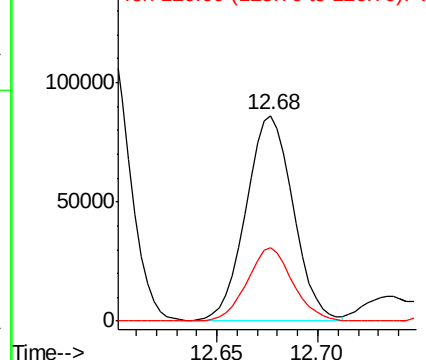
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Abundance Ion 91.00 (90.70 to 91.70): VN052455.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN052455.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.64 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052455.D

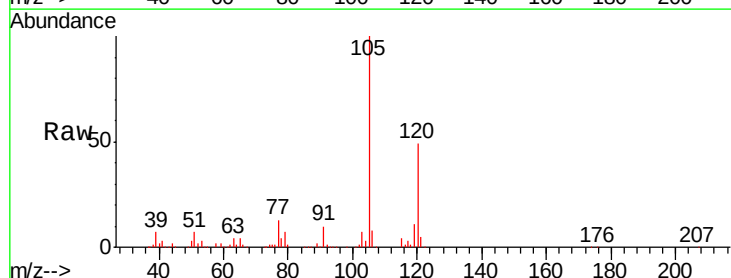
Acq: 26 Nov 2018 12:51

Tgt Ion: 105 Resp: 168849

Ion Ratio Lower Upper

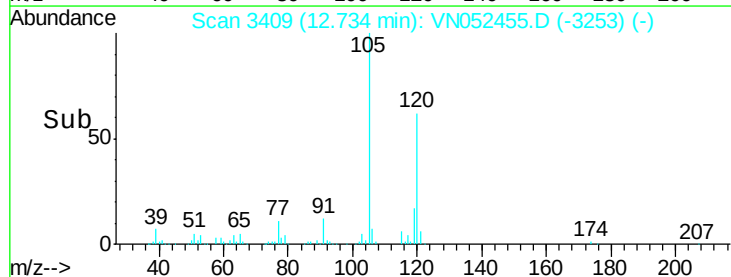
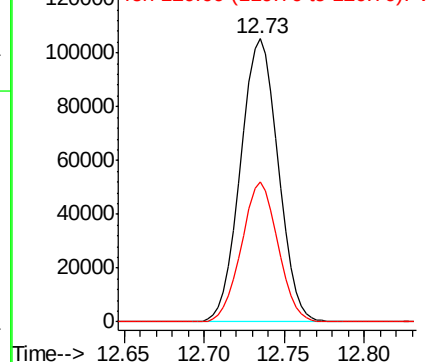
105 100

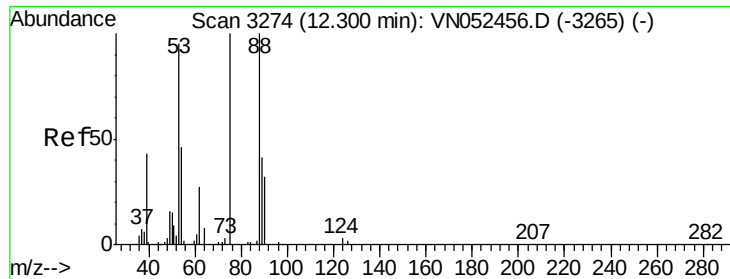
120 47.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052455.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN052455.D (-3253) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 3.91 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

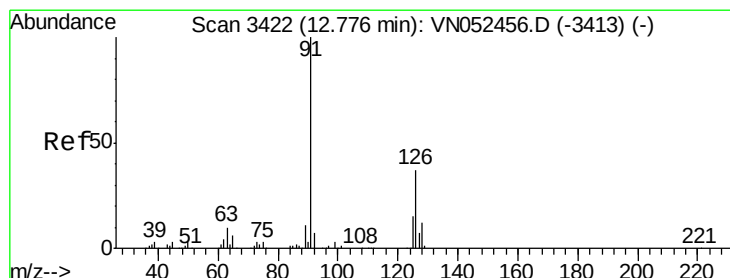
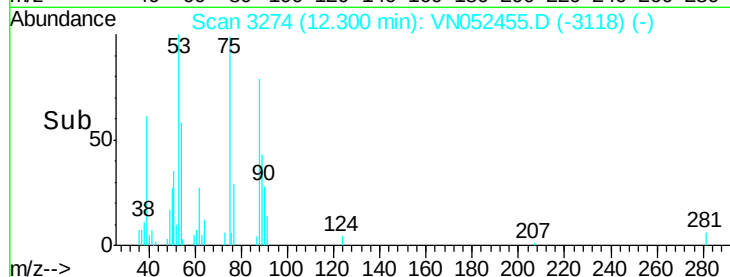
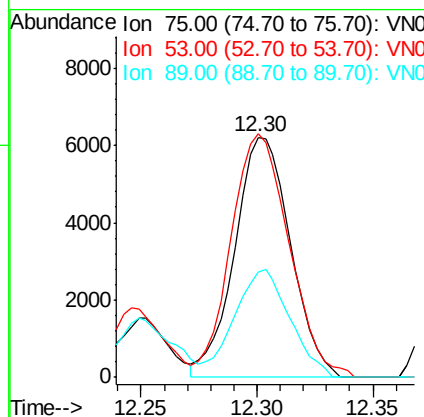
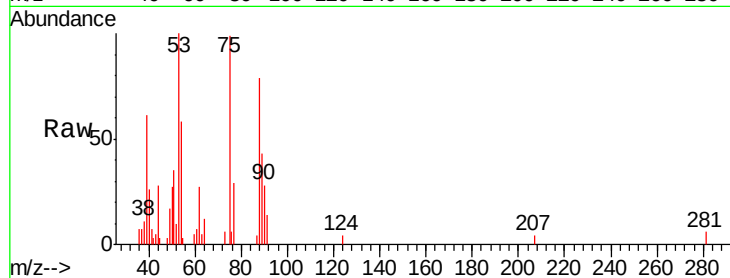
ClientSampleId :

VSTDIC005

Tgt Ion:	75	Resp:	10386
Ion	Ratio	Lower	Upper
75	100		
53	97.3	48.5	145.6
89	43.7	21.7	65.1

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#78

4-Chlorotoluene

Concen: 4.43 ug/l

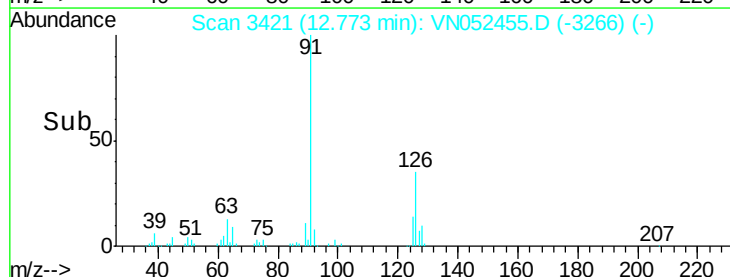
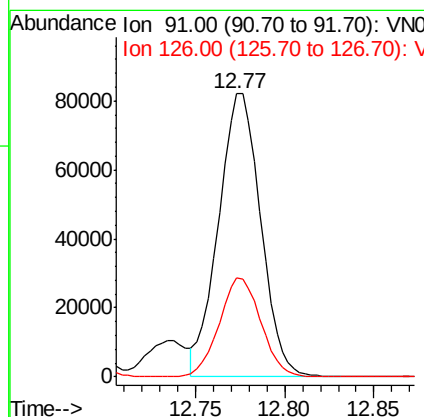
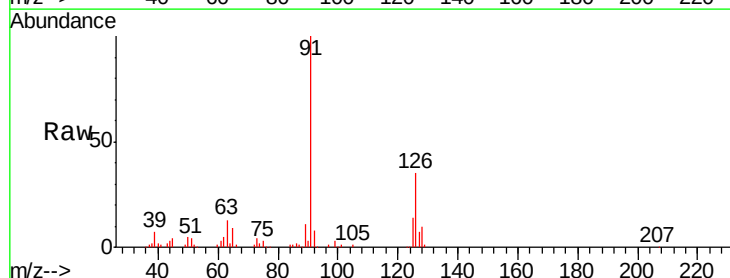
RT: 12.77 min Scan# 3421

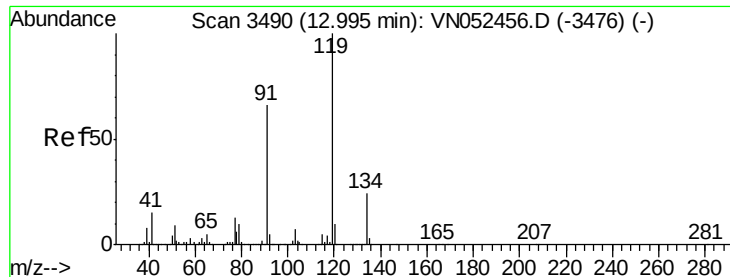
Delta R.T. -0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Tgt Ion:	91	Resp:	134816
Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.2





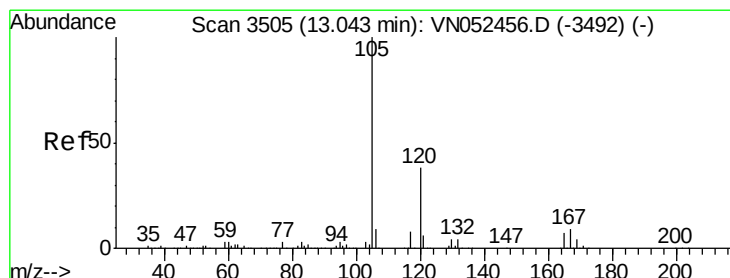
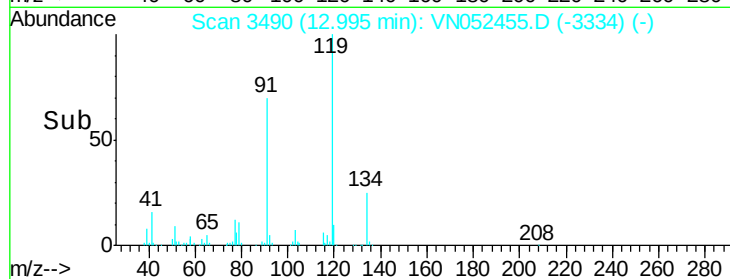
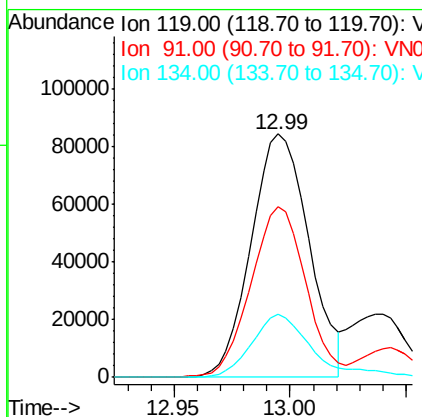
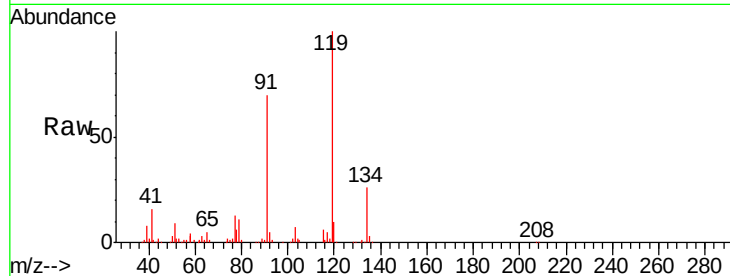
#79
tert-butylbenzene
Concen: 4.62 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	146468		
91	66.7	0.0	129.8	
134	27.1	0.0	52.2	

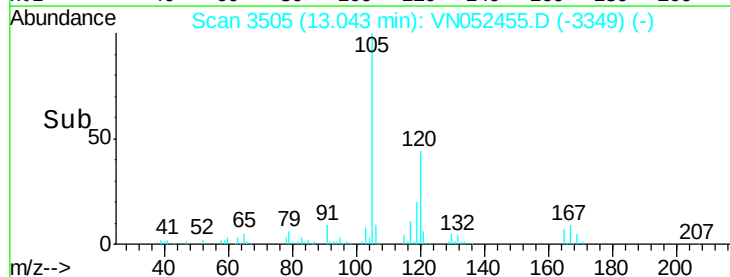
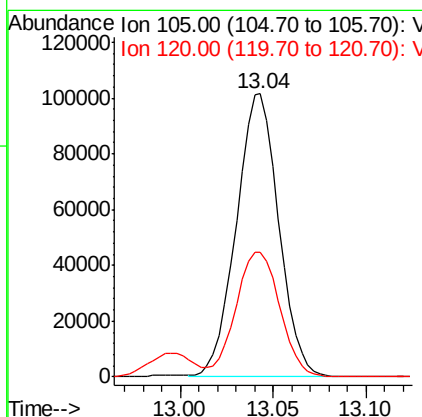
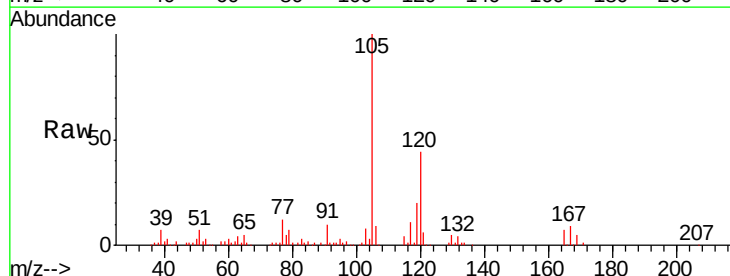
Manual Integrations
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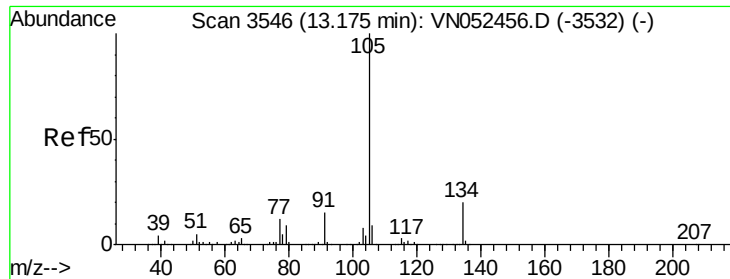
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 4.44 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	161741		
120	45.7	0.0	91.0	





#81

sec-Butylbenzene

Concen: 4.62 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 203954

Ion Ratio Lower Upper

105 100

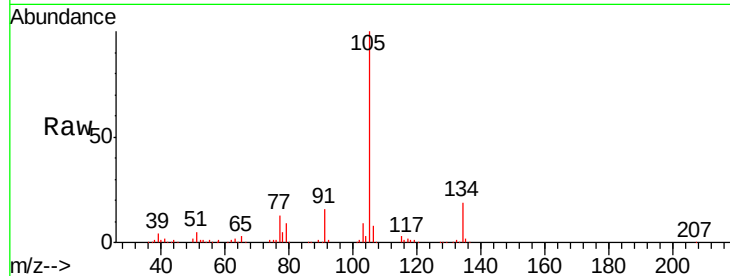
134 18.8 0.0 40.4

Manual Integrations

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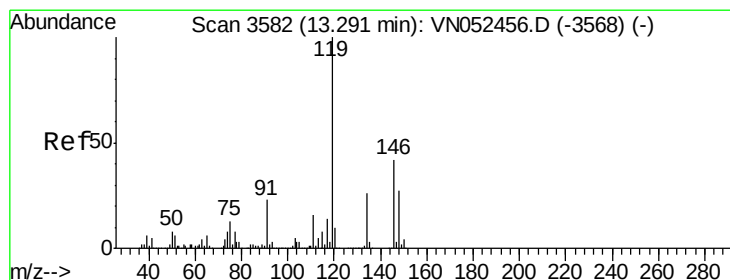
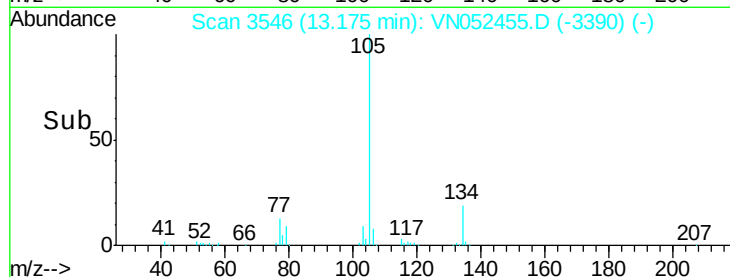
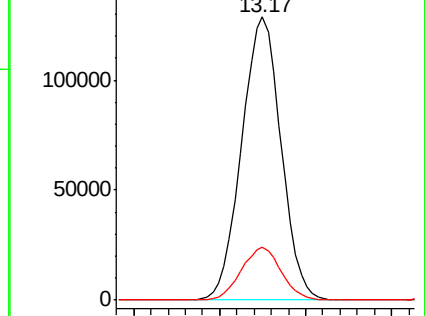
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 4.44 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052455.D

Acq: 26 Nov 2018 12:51

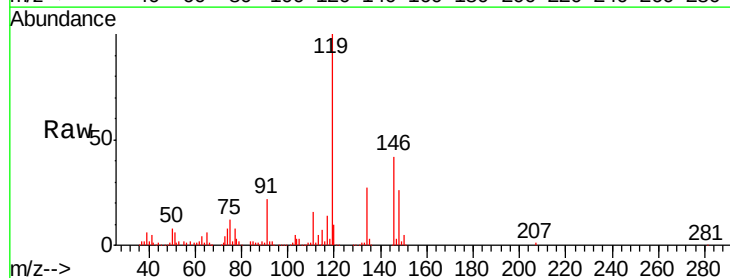
Tgt Ion:119 Resp: 166937

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.6

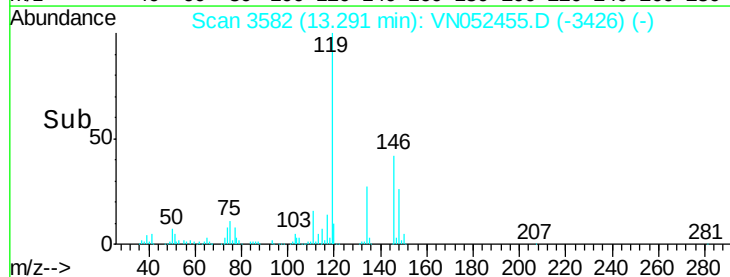
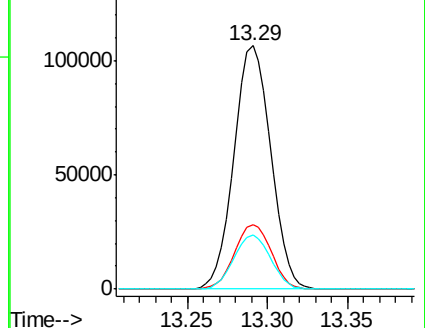
91 22.2 0.0 46.2

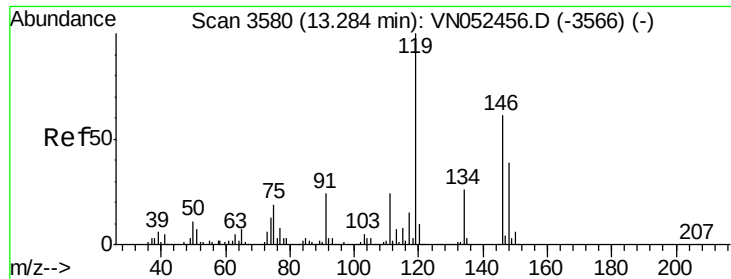


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





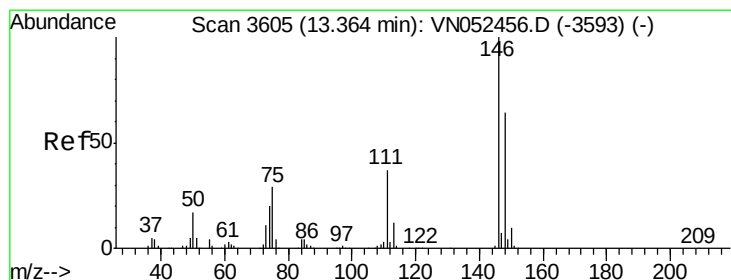
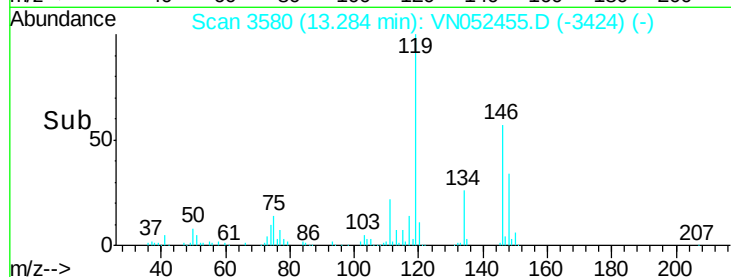
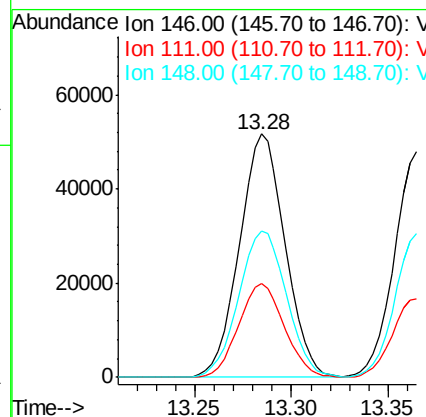
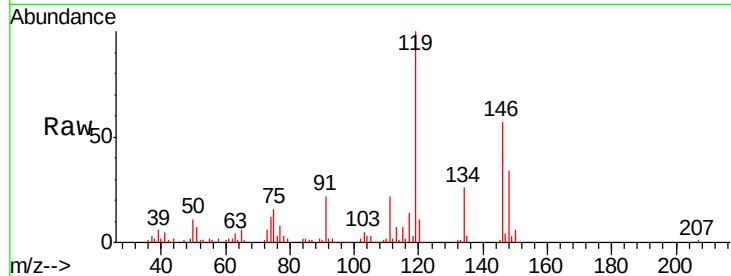
#83
 1,3-Dichlorobenzene
 Concen: 4.41 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.3	32.3	96.8

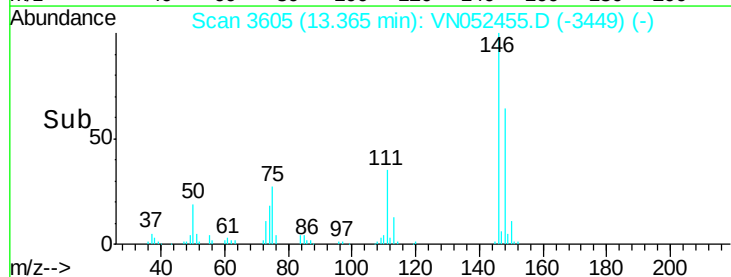
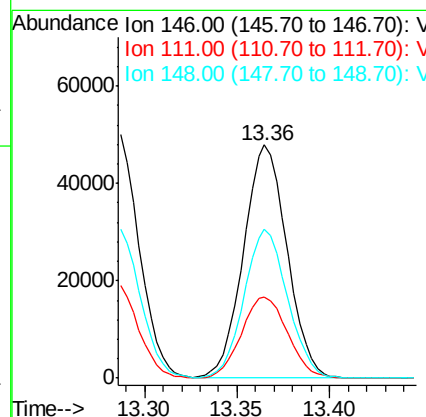
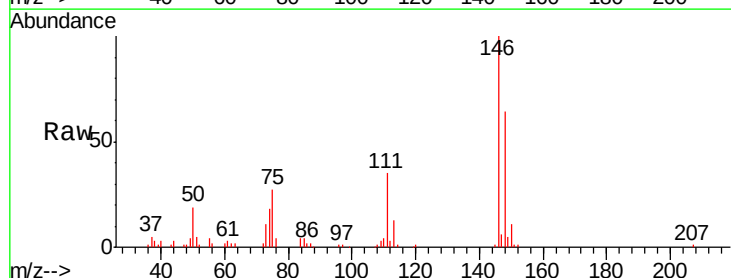
Manual Integrations
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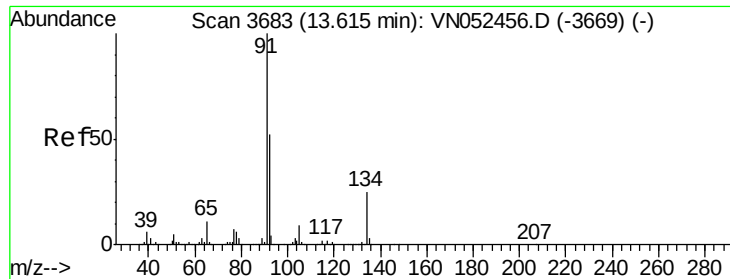
MMDadoda
 11/27/2018 3:52:09 PM



#84
 1,4-Dichlorobenzene
 Concen: 4.23 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	63.7	32.5	97.4





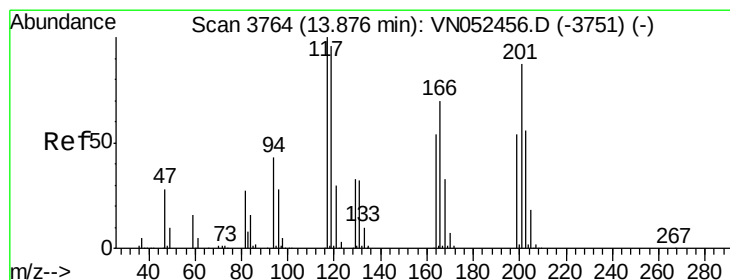
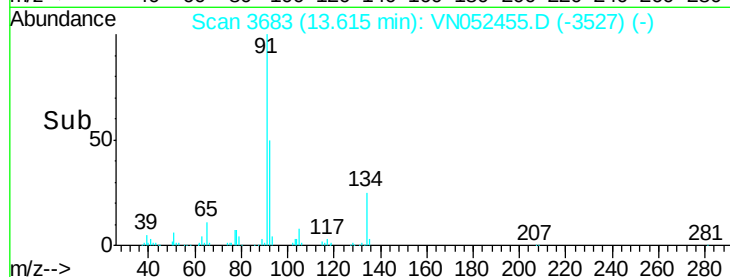
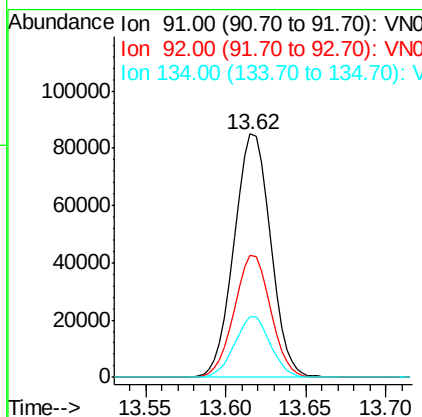
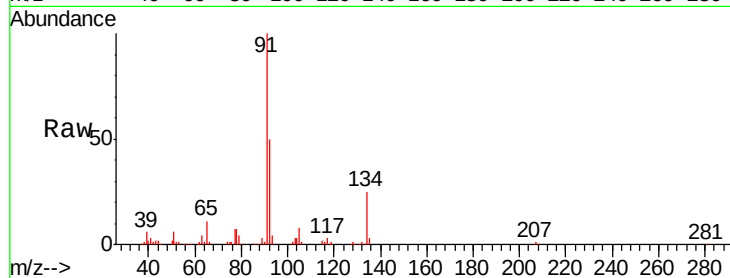
#85
n-Butylbenzene
Concen: 4.10 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.8	0.0	104.2
134	24.3	0.0	50.6

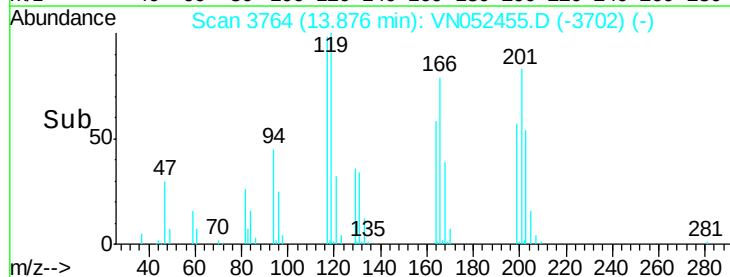
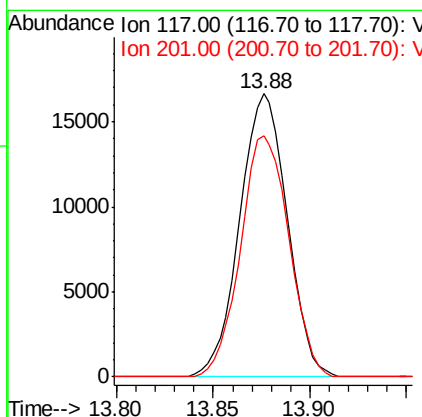
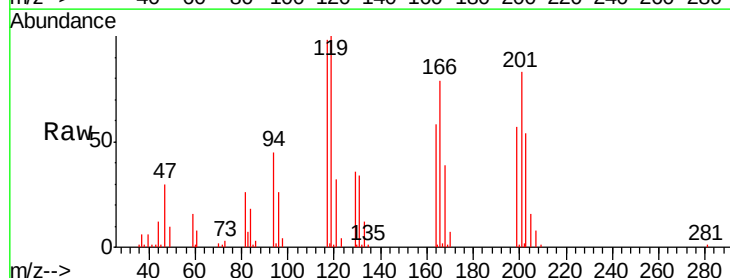
Manual Integrations
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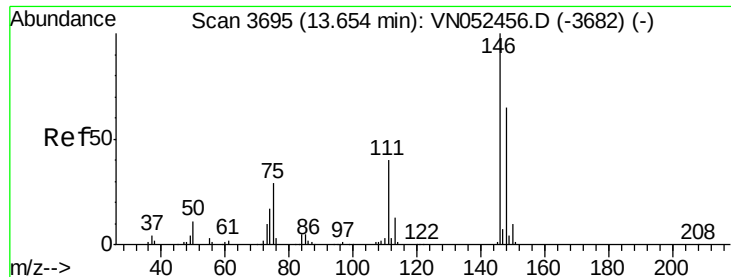
MMDadoda
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#86
Hexachloroethane
Concen: 4.47 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.8	131.3





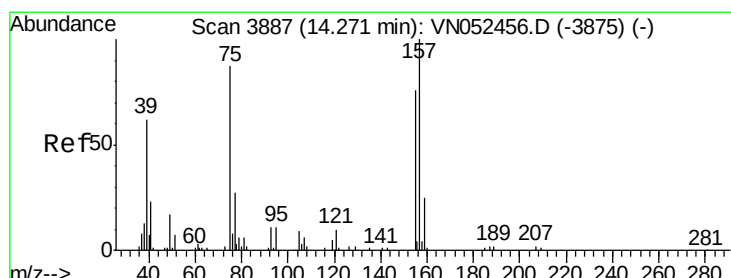
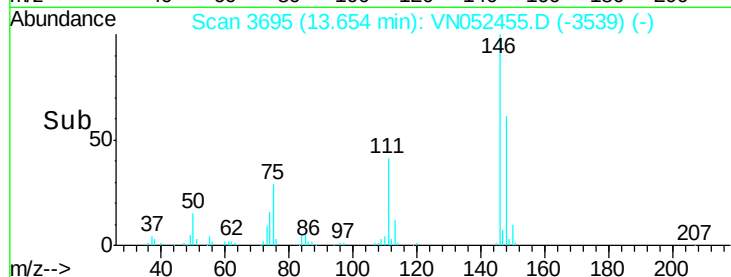
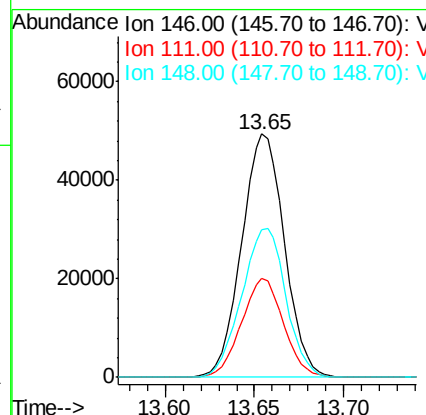
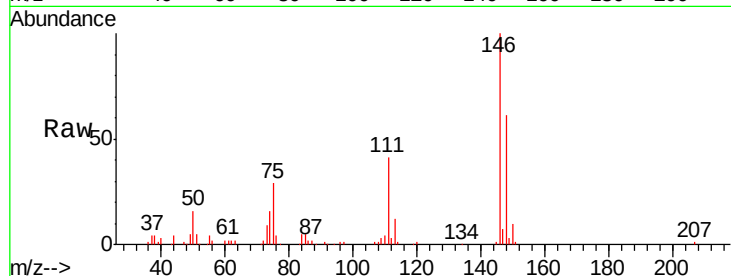
#87
 1,2-Dichlorobenzene
 Concen: 4.52 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.2	32.1	96.5

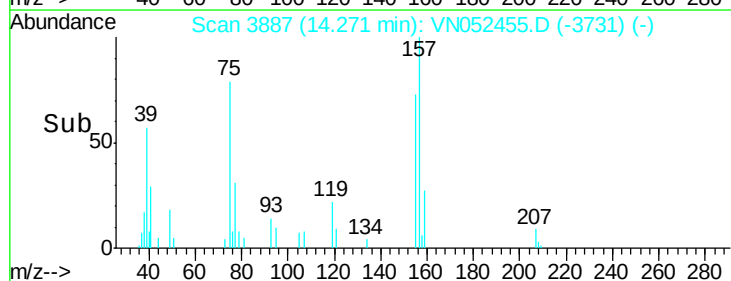
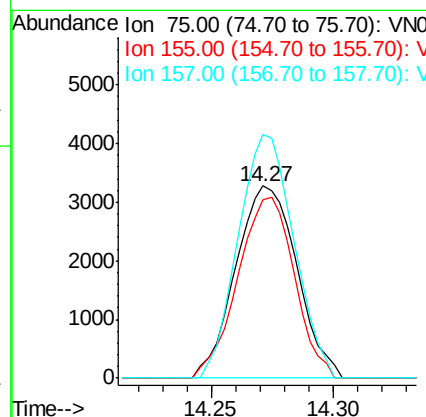
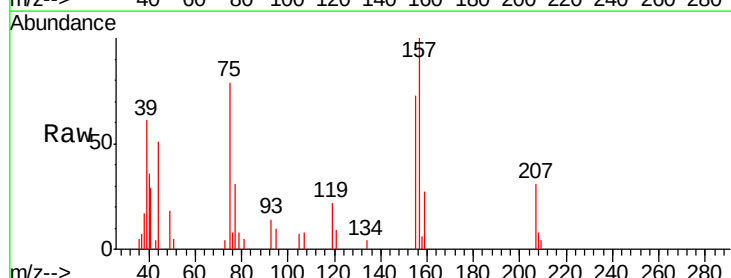
Manual Integrations
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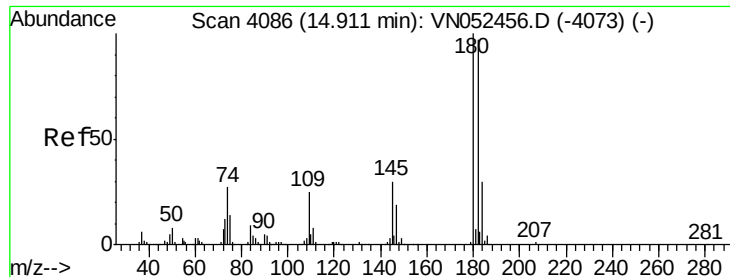
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.16 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	72.2	108.2
157	115.2	94.2	141.2





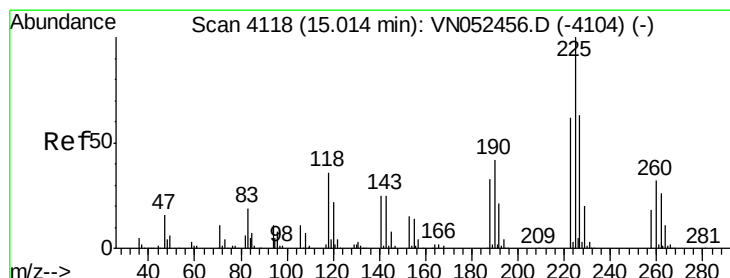
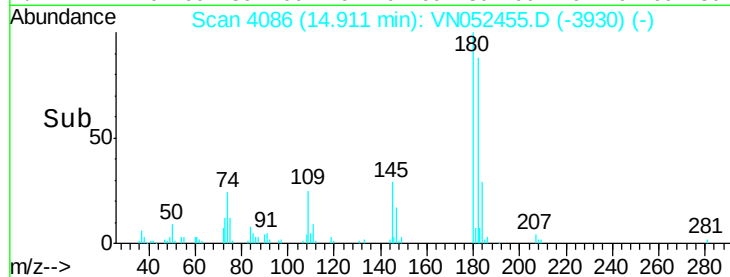
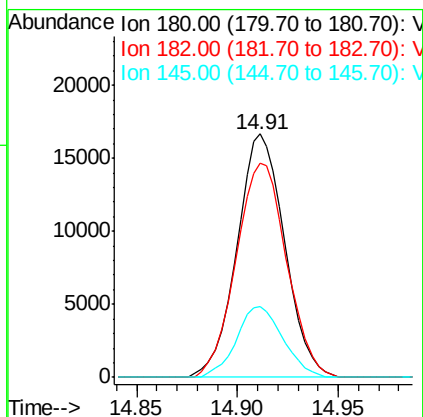
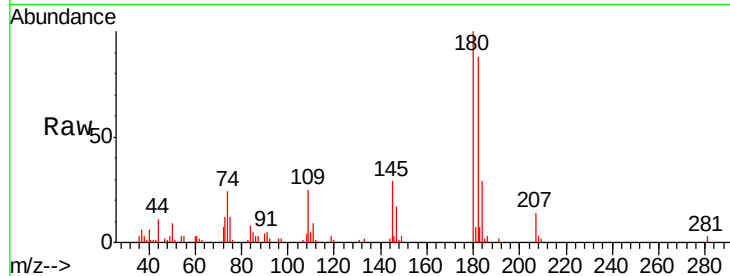
#89
 1,2,4-Trichlorobenzene
 Concen: 3.07 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.6	114.8
145	28.5	23.6	35.4

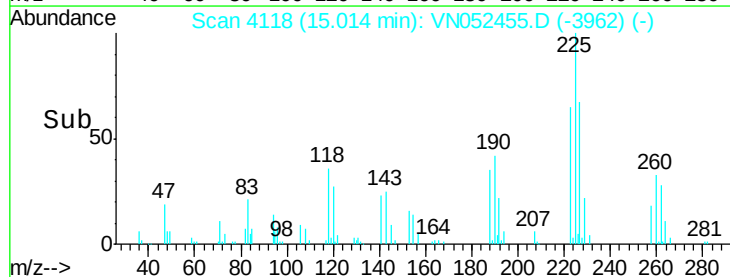
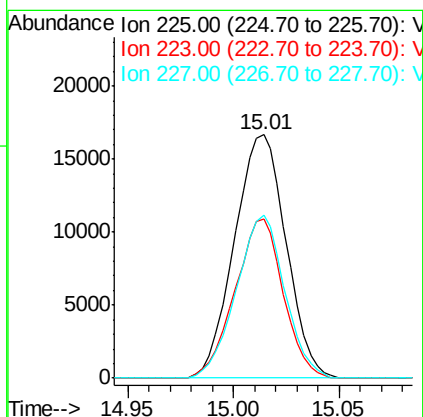
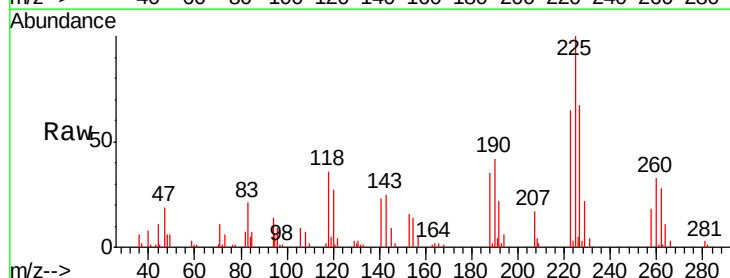
Manual Integrations
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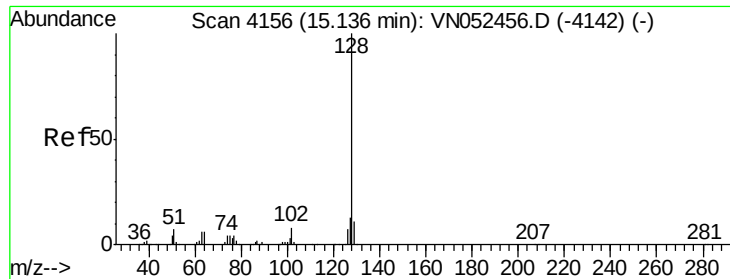
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 11/27/2018 3:52:09 PM



#90
 Hexachlorobutadiene
 Concen: 4.80 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052455.D
 Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	0.0	125.6
227	62.8	0.0	127.8





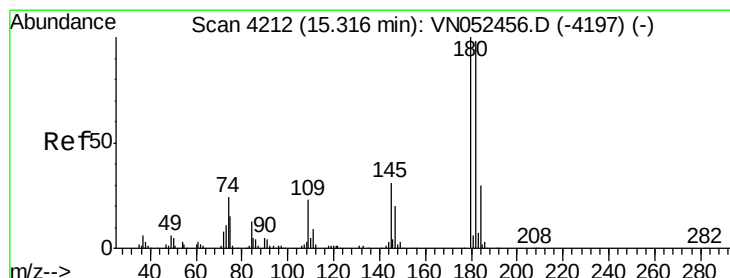
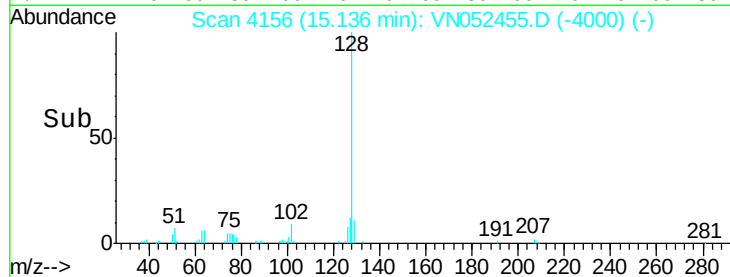
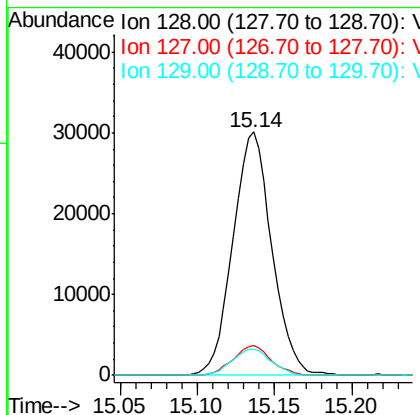
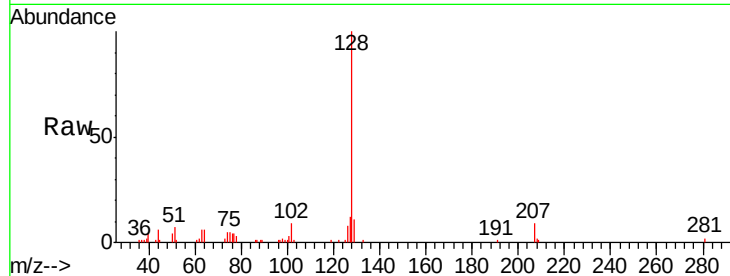
#91
Naphthalene
Concen: 2.89 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.9	14.9
129	10.7	8.5	12.7

Manual Integrations
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11/27/2018 3:52:09 PM



#92
1,2,3-Trichlorobenzene
Concen: 3.36 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052455.D
Acq: 26 Nov 2018 12:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	0.0	196.2
145	31.1	0.0	62.2

