

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053092.D
 Acq On : 21 Dec 2018 9:06
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 10:06:08 AM

Quant Time: Dec 21 10:34:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161028	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	964229	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	843733	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	311443	28.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.60%
60) 4-Bromofluorobenzene	12.40	95	399409	30.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.20%
63) Toluene-d8	10.09	98	1125633	28.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	167373	18.250 ug/l	98
3) Chloromethane	2.06	50	215876	17.749 ug/l	100
4) Vinyl Chloride	2.19	62	223837	18.234 ug/l	96
5) Bromomethane	2.58	94	148822	21.262 ug/l	98
6) Chloroethane	2.71	64	136825	18.742 ug/l	99
7) Trichlorofluoromethane	3.03	101	299659	19.779 ug/l	100
8) Diethyl Ether	3.42	74	115833	20.706 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	199567	20.779 ug/l	96
10) 1,1-Dichloroethene	3.74	96	182620	20.224 ug/l	98
11) Methyl Iodide	3.96	142	205588	16.398 ug/l	99
12) Methyl Acetate	4.33	43	166599	21.714 ug/l	98
13) Acrolein	3.61	56	59426	65.936 ug/l	99
14) Acrylonitrile	4.99	53	343560	105.092 ug/l	98
15) Acetone	3.82	58	57776	68.242 ug/l	96
16) Carbon Disulfide	4.06	76	507632	17.756 ug/l	100
17) Allyl chloride	4.33	41	283921	18.029 ug/l	97
18) Methylene Chloride	4.55	84	213394	20.410 ug/l	92
19) trans-1,2-Dichloroethene	5.05	96	195780	20.146 ug/l	96
20) Diisopropyl ether	5.95	45	649968	19.640 ug/l	97
21) 1,1-Dichloroethane	5.85	63	374610	19.860 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	230124	20.662 ug/l	97
23) tert-Butyl Alcohol	4.77	59	65714m	135.126 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	526845	22.240 ug/l	96
25) Chloroform	7.37	83	368381	20.244 ug/l	98
26) Cyclohexane	7.65	56	341344	19.187 ug/l #	97
29) 1,1-Dichloropropene	7.79	75	285759	19.407 ug/l	99
30) 2-Butanone	6.83	43	356459	90.469 ug/l	97
31) 2,2-Dichloropropane	6.83	77	287199	21.186 ug/l #	82
32) 1,1,1-Trichloroethane	7.57	97	306564	20.009 ug/l	96
33) Carbon Tetrachloride	7.77	117	261017	19.470 ug/l	99
34) Benzene	8.04	78	860702	19.442 ug/l	97
35) Methacrylonitrile	7.17	41	91506	18.719 ug/l	96
36) 1,2-Dichloroethane	8.12	62	256025	19.085 ug/l	98
37) Trichloroethene	8.84	130	238828	21.275 ug/l	95
38) Methylcyclohexane	9.08	83	342523	18.791 ug/l	96
39) 1,2-Dichloropropane	9.12	63	228762	19.277 ug/l	97
40) Dibromomethane	9.21	93	129838	20.247 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	277539	19.589	ug/l	99
42) Vinyl Acetate	5.90	43	1974939	92.640	ug/l	97
43) Ethyl Acetate	6.93	43	169903	20.279	ug/l #	70
44) Isopropyl Acetate	8.16	43	325141	22.128	ug/l	99
45) 1,4-Dioxane	9.20	88	38872	483.576	ug/l	91
46) Methyl methacrylate	9.20	41	159034	20.845	ug/l	96
47) n-amyl Acetate	12.07	43	282609	23.197	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	285150	20.756	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	336145	20.083	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	192786	21.208	ug/l	99
51) Ethyl methacrylate	10.43	69	251575	22.035	ug/l	92
52) 1,3-Dichloropropane	10.71	76	322609	19.938	ug/l	100
53) Dibromochloromethane	10.90	129	207265	20.710	ug/l	98
54) 1,2-Dibromoethane	11.01	107	188633	21.236	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	730587	109.322	ug/l	98
56) Bromoform	12.13	173	139559	21.334	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	870211	106.386	ug/l	97
59) 2-Hexanone	10.75	43	628808	112.534	ug/l	97
61) Tetrachloroethene	10.63	164	249528	24.012	ug/l	97
62) Toluene	10.16	91	933052	20.060	ug/l	99
64) Chlorobenzene	11.43	112	590798	20.810	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	207646	21.072	ug/l	100
66) Ethyl Benzene	11.51	91	1020780	20.363	ug/l	99
67) m/p-Xylenes	11.62	106	779425	41.734	ug/l	99
68) o-Xylene	11.95	106	382882	21.122	ug/l	97
69) Styrene	11.96	104	617721	21.113	ug/l	99
70) Isopropylbenzene	12.25	105	1016028	21.066	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	217011	20.684	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	179719m	19.955	ug/l	
73) Bromobenzene	12.53	156	264819	22.702	ug/l	92
74) n-propylbenzene	12.59	91	1158177	20.610	ug/l	98
75) 2-Chlorotoluene	12.67	91	680765	20.871	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	816899	20.970	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	63219	22.221	ug/l	95
78) 4-Chlorotoluene	12.77	91	690307	21.192	ug/l	98
79) tert-butylbenzene	12.99	119	722576	21.299	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	820962	21.061	ug/l	99
81) sec-Butylbenzene	13.17	105	966958	20.463	ug/l	100
82) p-Isopropyltoluene	13.29	119	829838	20.623	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	449483	21.909	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	444035	22.402	ug/l	98
85) n-Butylbenzene	13.62	91	684554	19.806	ug/l	99
86) Hexachloroethane	13.88	117	126894	18.612	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	428162	21.931	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	32244	21.940	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	214980	22.351	ug/l	99
90) Hexachlorobutadiene	15.01	225	136654	21.658	ug/l	100
91) Naphthalene	15.13	128	451739	23.257	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	192420	21.708	ug/l	98

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

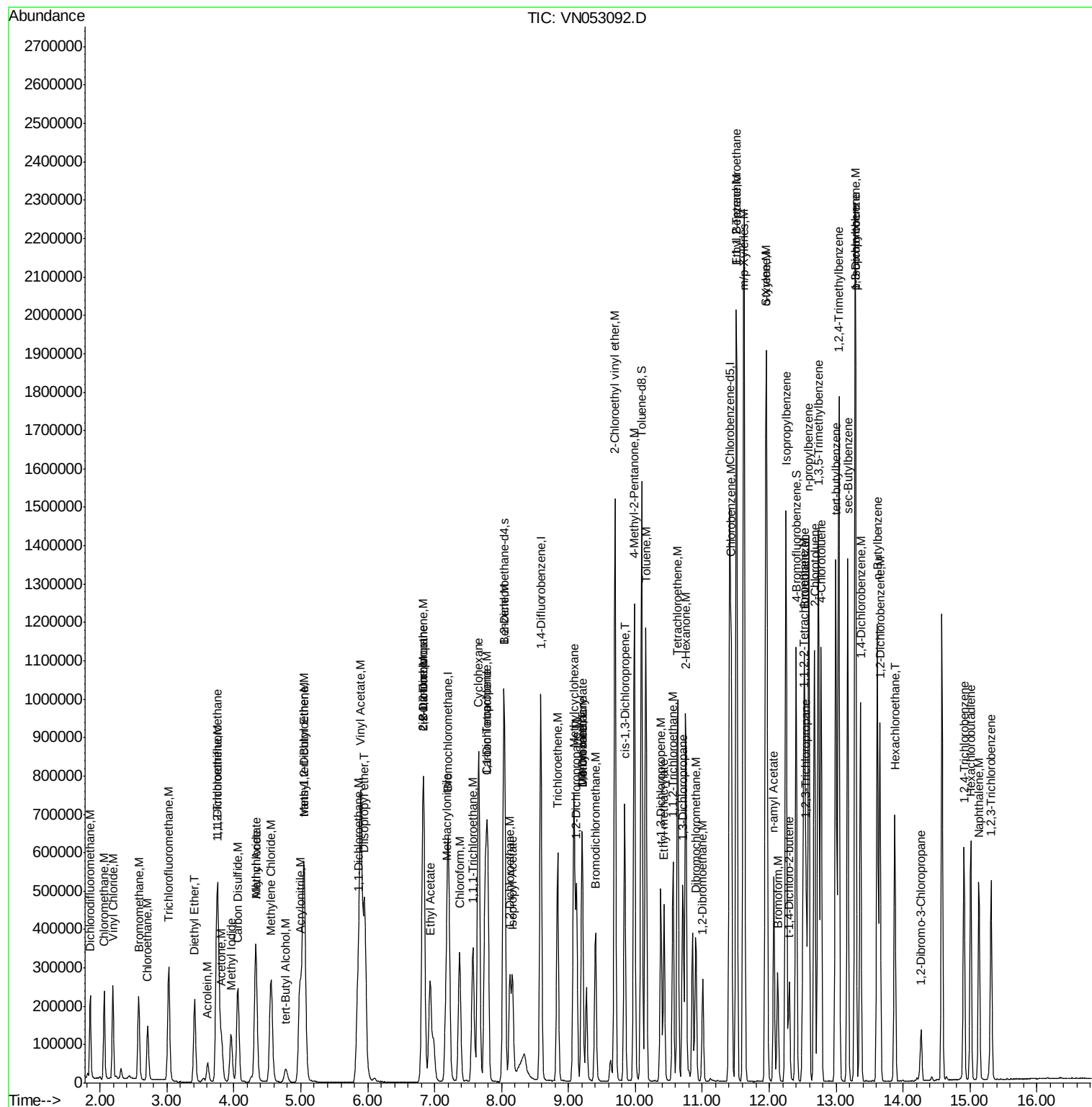
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
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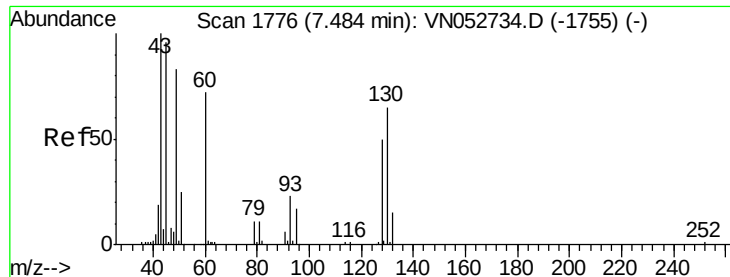
Instrument :
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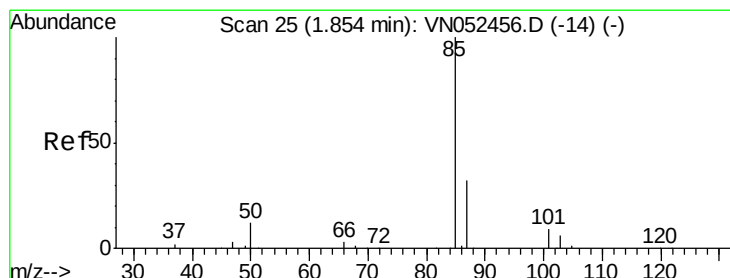
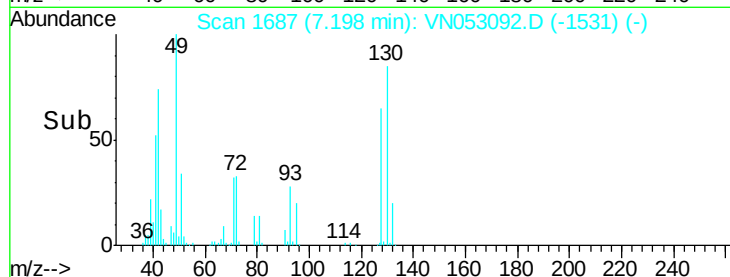
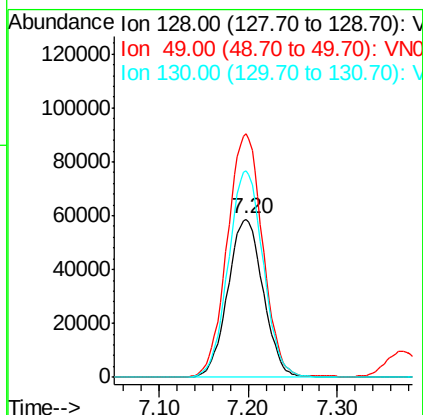
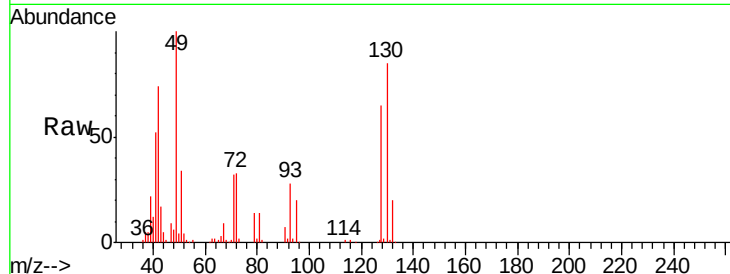
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
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VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	161028		
49	154.5	0.0	431.8	
130	129.1	0.0	317.0	

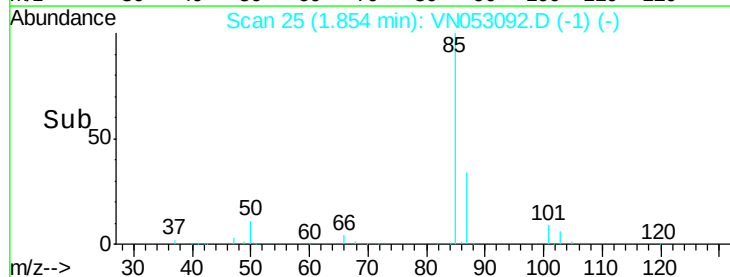
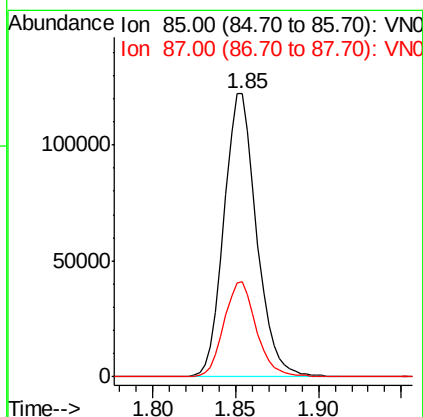
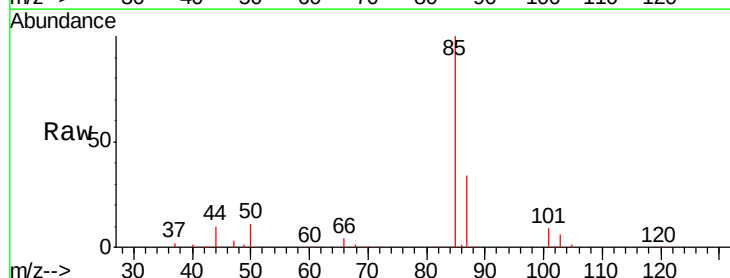
Manual Integrations
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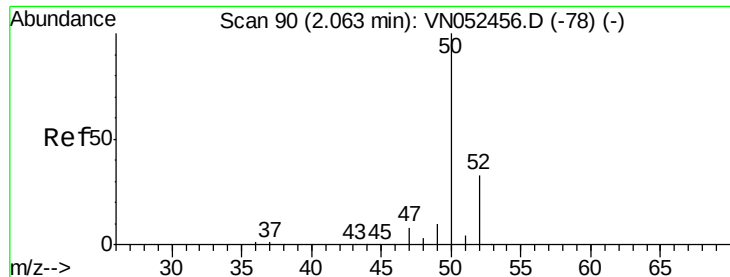
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#2
Dichlorodifluoromethane
Concen: 18.250 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	167373		
87	33.5	16.1	48.3	





#3

Chloromethane

Concen: 17.749 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 215876

Ion Ratio Lower Upper

50 100

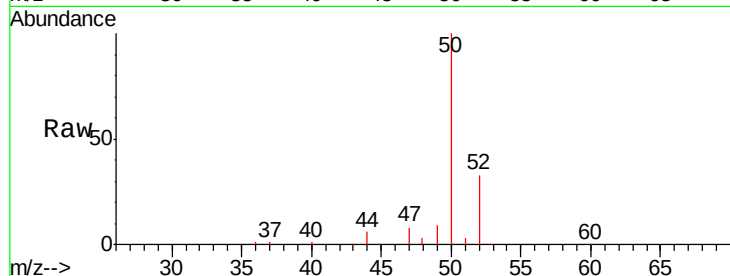
52 33.2 26.5 39.7

Manual Integrations

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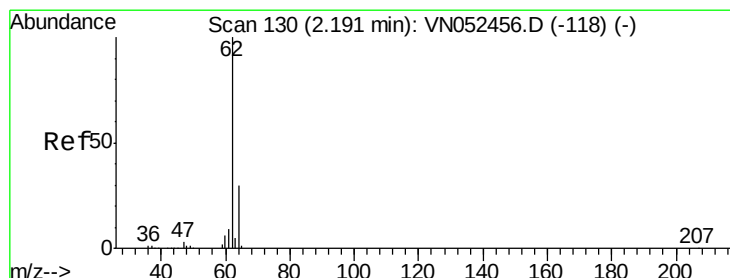
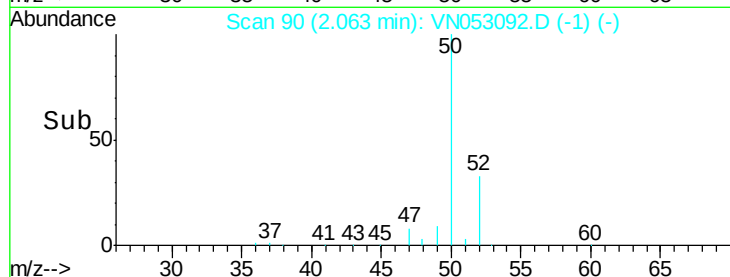
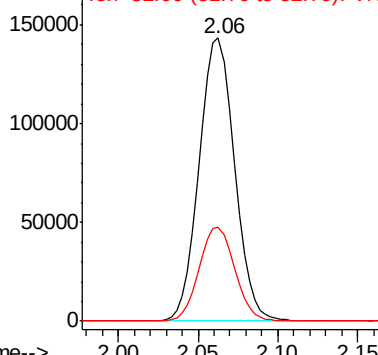
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.234 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053092.D

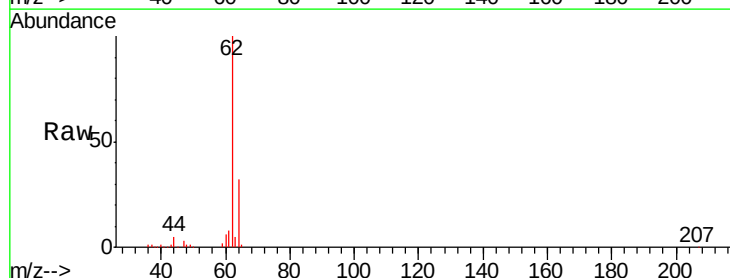
Acq: 21 Dec 2018 9:06

Tgt Ion: 62 Resp: 223837

Ion Ratio Lower Upper

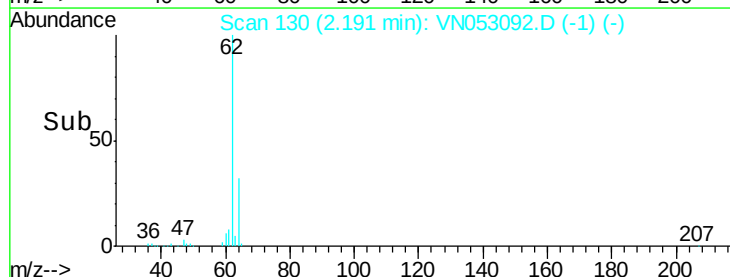
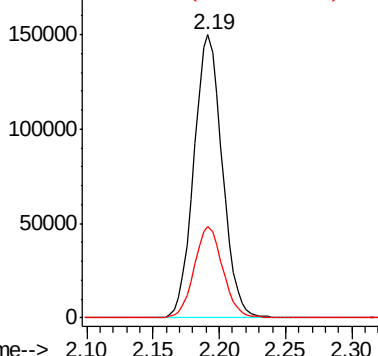
62 100

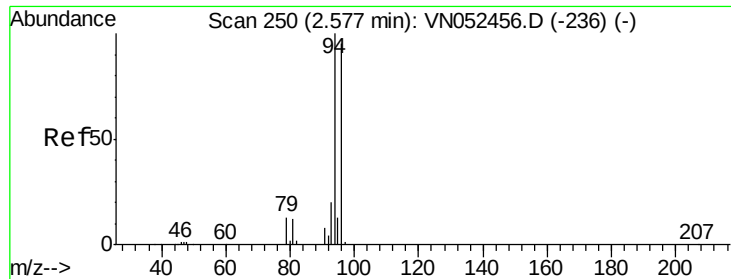
64 32.2 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.262 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 94 Resp: 148822

Ion Ratio Lower Upper

94 100

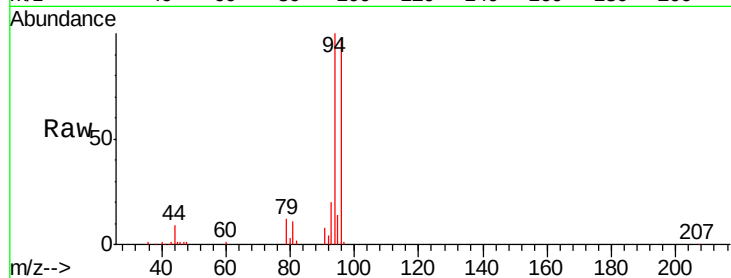
96 96.7 76.2 114.2

Manual Integrations

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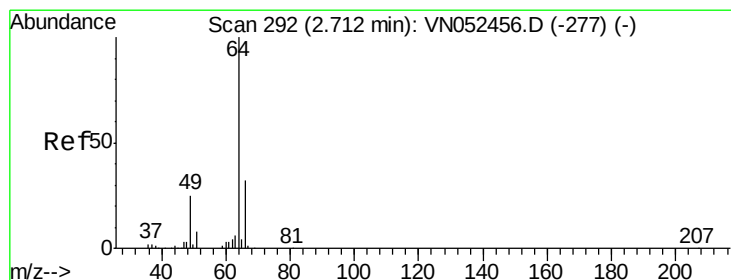
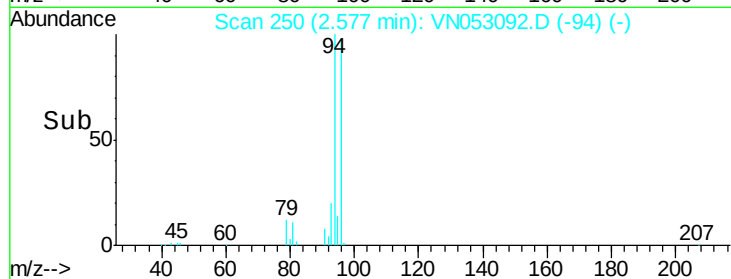
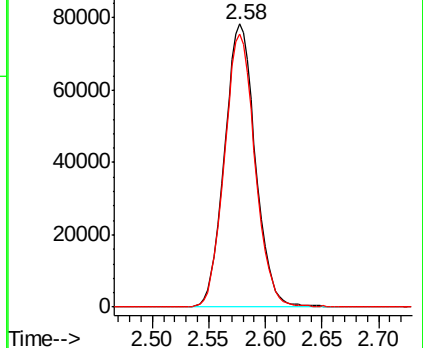
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.742 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053092.D

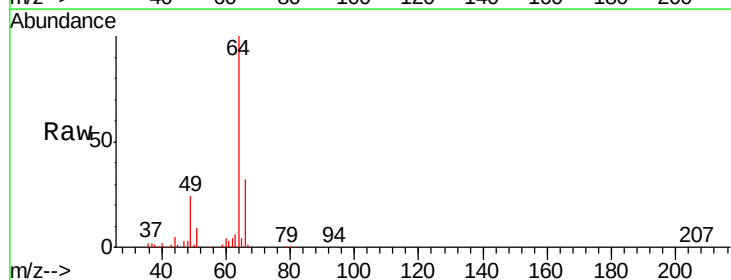
Acq: 21 Dec 2018 9:06

Tgt Ion: 64 Resp: 136825

Ion Ratio Lower Upper

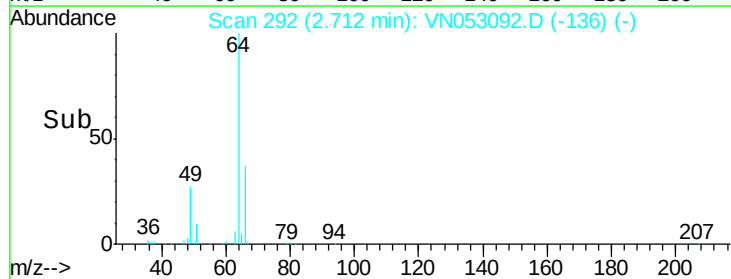
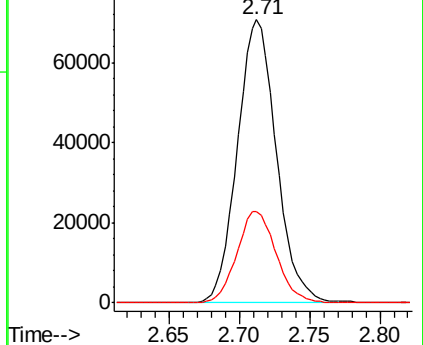
64 100

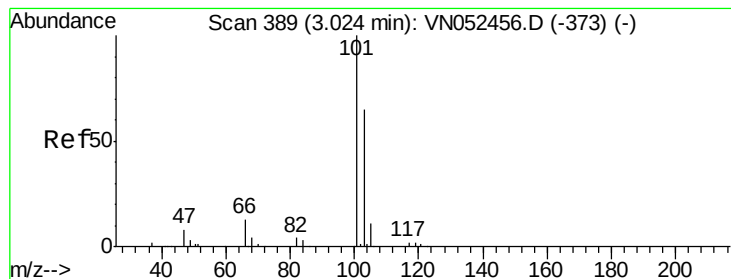
66 32.4 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

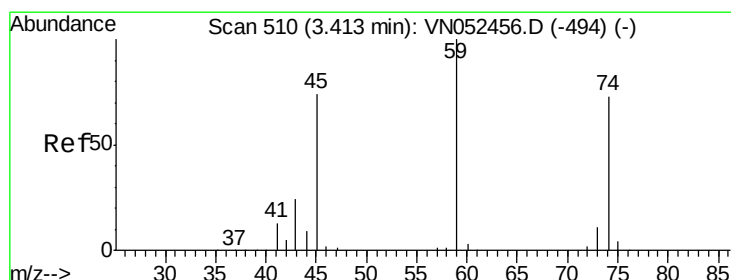
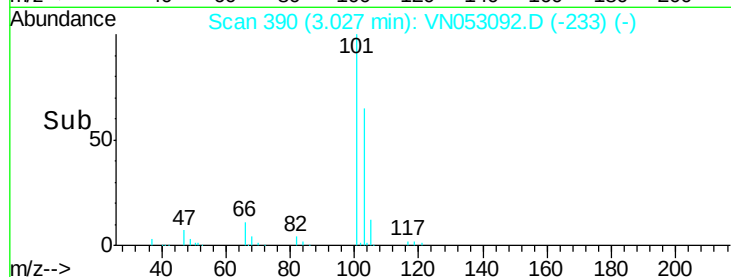
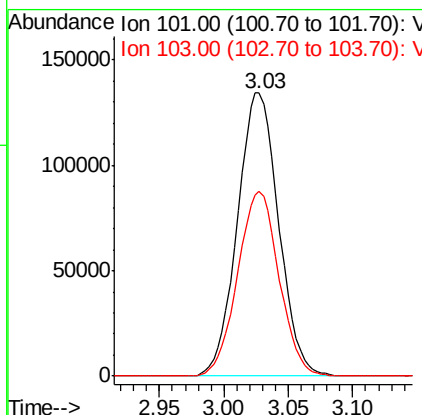
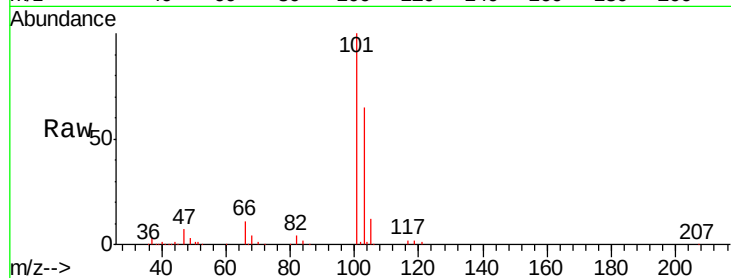
Trichlorofluoromethane
 Concen: 19.779 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

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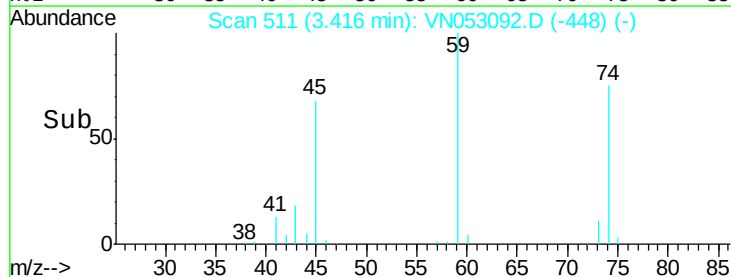
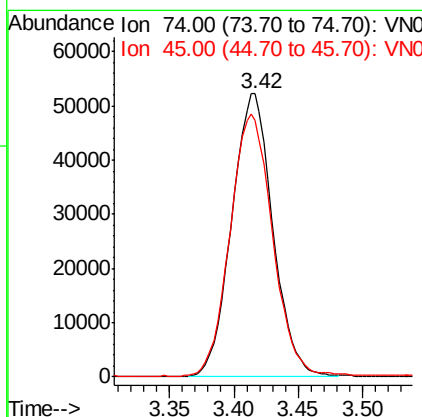
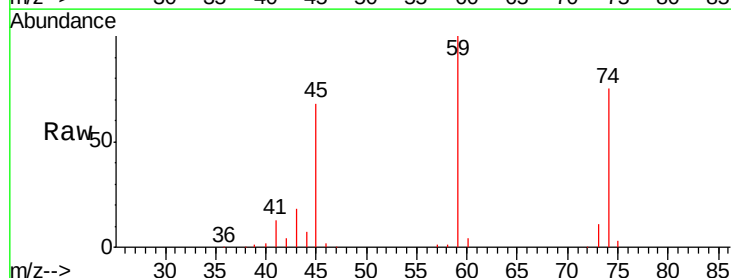
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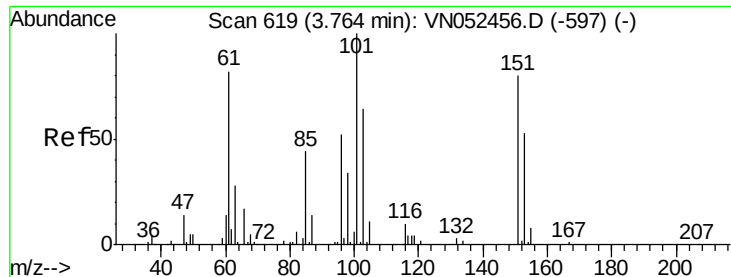


#8

Diethyl Ether
 Concen: 20.706 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.779 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

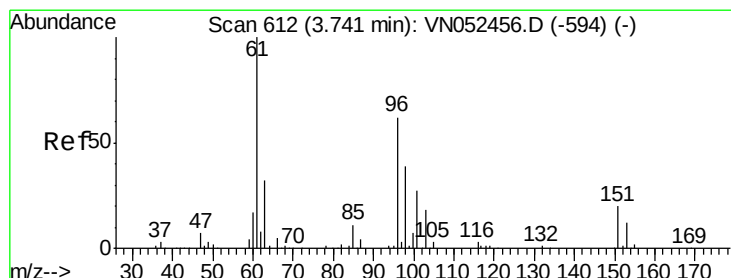
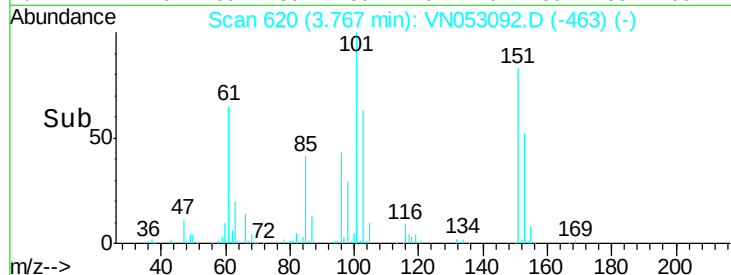
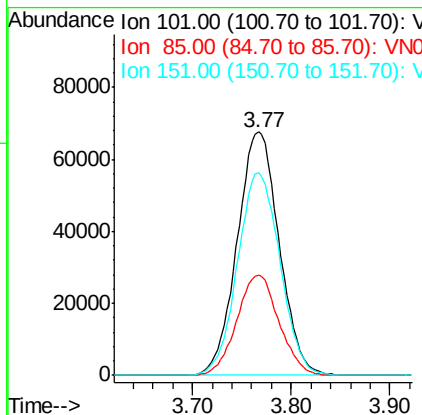
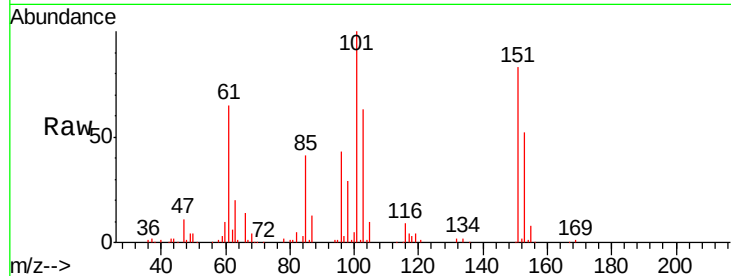
ClientSampleId :

VSTDCCC020

Tgt Ion:	101	Resp:	199567
Ion Ratio		Lower	Upper
101	100		
85	41.4	0.0	82.6
151	84.4	0.0	158.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.224 ug/l

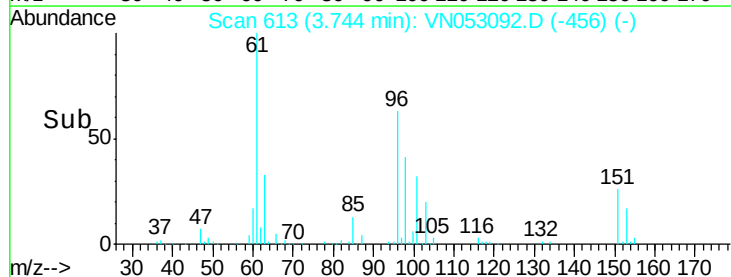
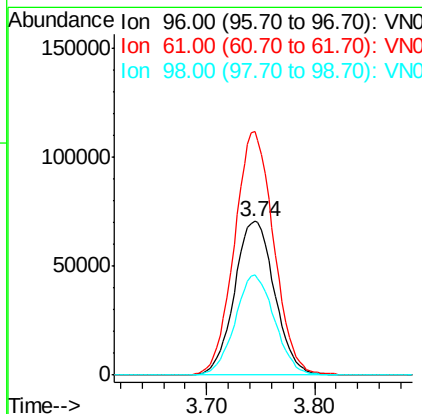
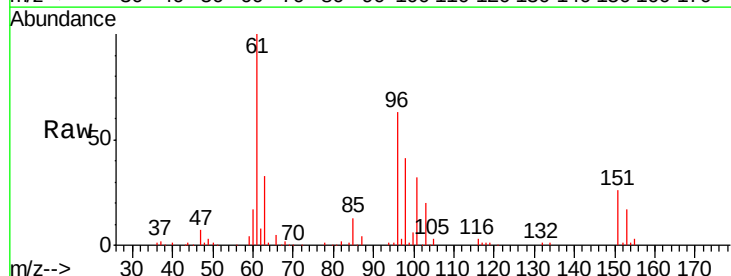
RT: 3.74 min Scan# 613

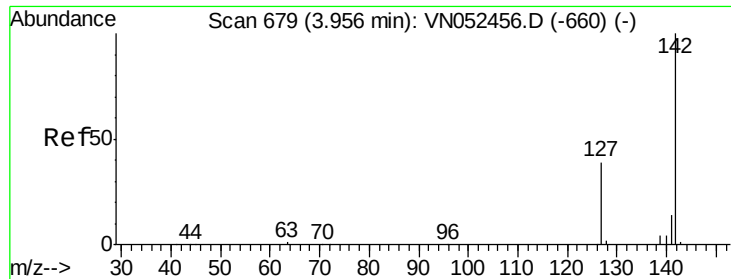
Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion:	96	Resp:	182620
Ion Ratio		Lower	Upper
96	100		
61	158.7	129.4	194.2
98	65.1	50.4	75.6





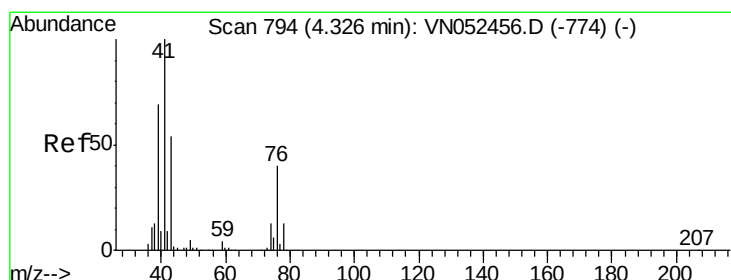
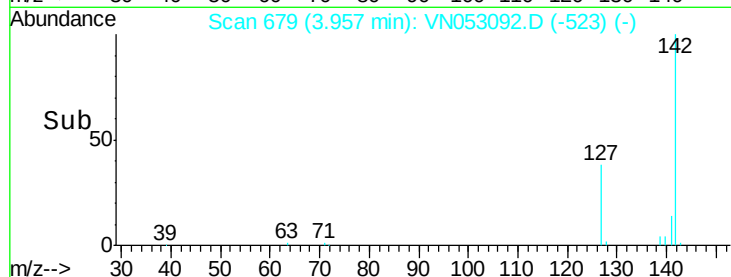
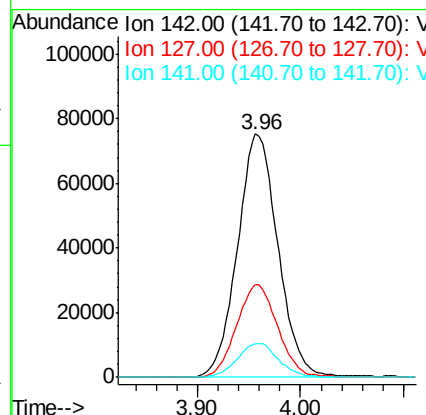
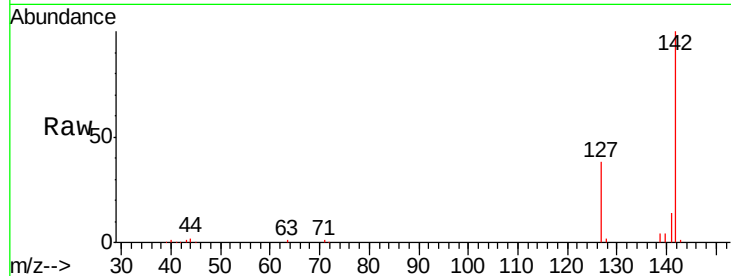
#11
Methyl Iodide
Concen: 16.398 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	205588		
127	38.1	19.4	58.1	
141	13.7	7.2	21.6	

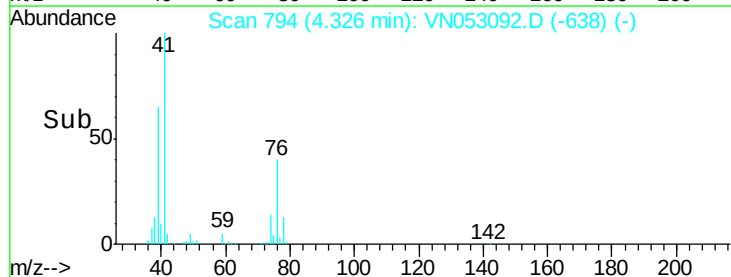
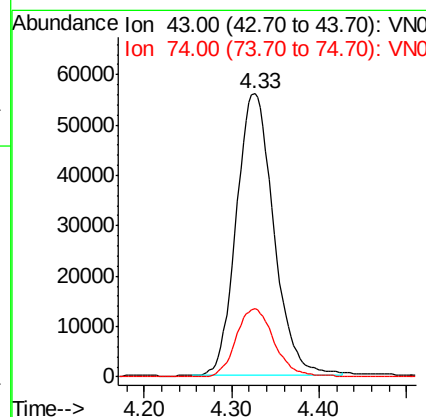
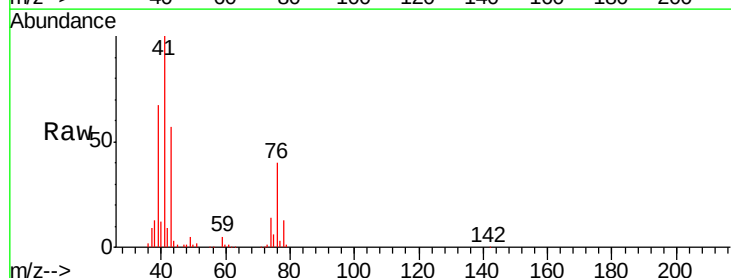
Manual Integrations
APPROVED

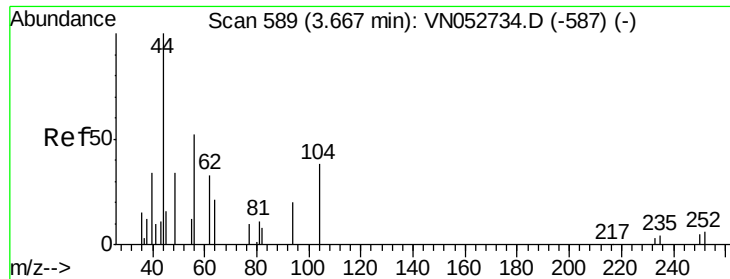
MMDadoda
12/22/2018 10:06:08 AM



#12
Methyl Acetate
Concen: 21.714 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	166599		
74	24.4	18.9	28.3	





#13

Acrolein

Concen: 65.936 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 56 Resp: 59426

Ion Ratio Lower Upper

56 100

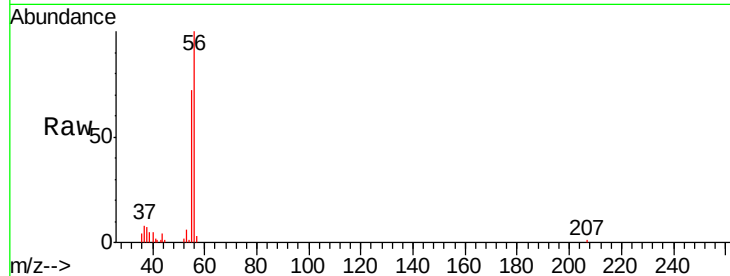
55 72.0 56.7 85.1

Manual Integrations

APPROVED

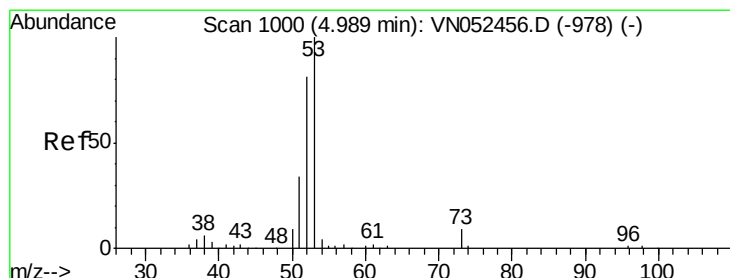
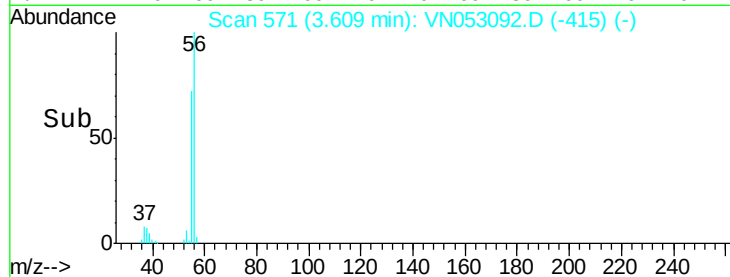
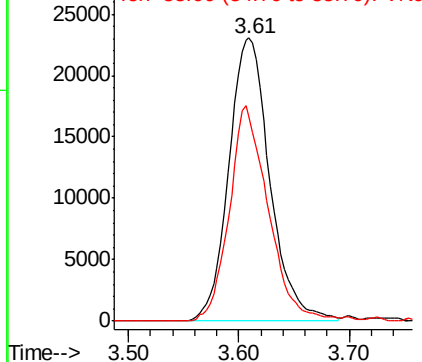
MMDadoda

12/22/2018 10:06:08 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Acrylonitrile

Concen: 105.092 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

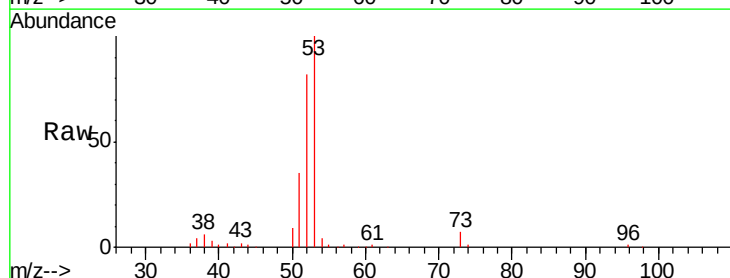
Tgt Ion: 53 Resp: 343560

Ion Ratio Lower Upper

53 100

52 82.0 39.9 119.7

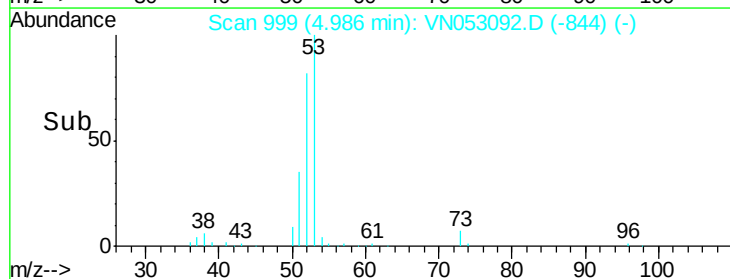
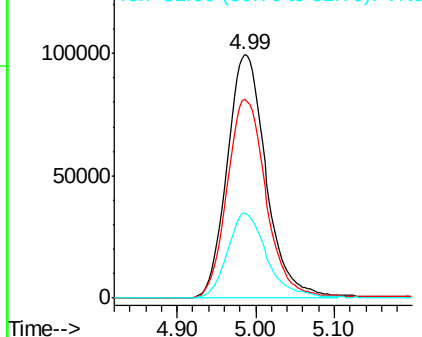
51 35.1 17.6 52.9

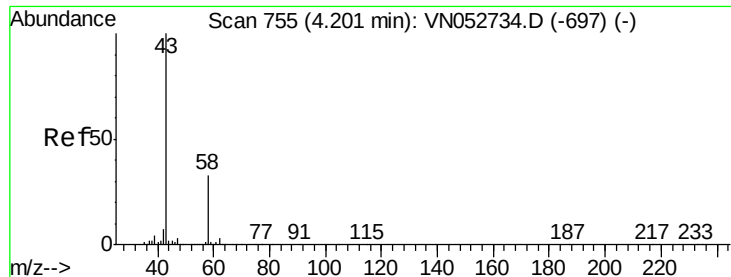


Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





#15

Acetone

Concen: 68.242 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 57776

Ion Ratio Lower Upper

58 100

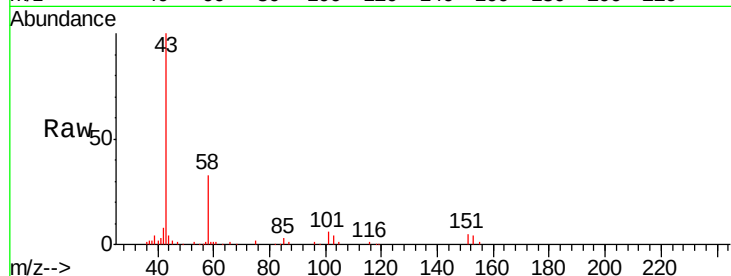
43 296.1 243.6 365.4

Manual Integrations

APPROVED

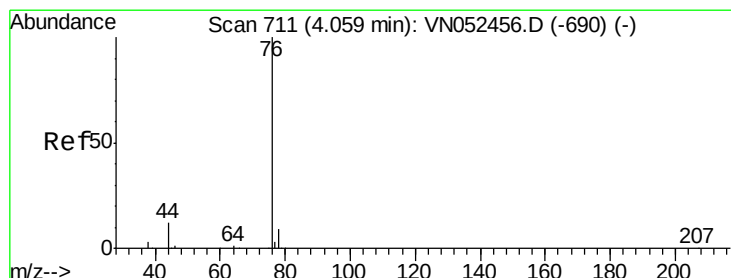
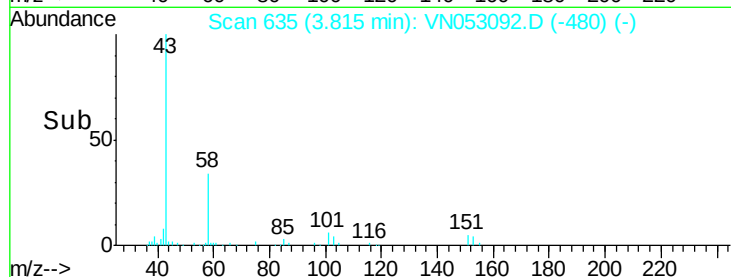
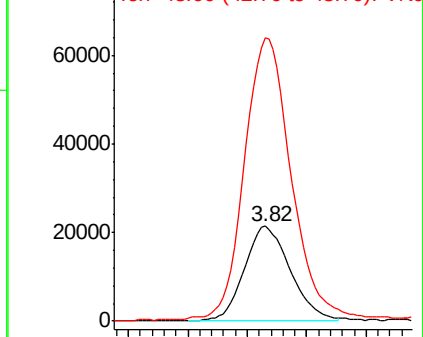
MMDadoda

12/22/2018 10:06:08 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.756 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053092.D

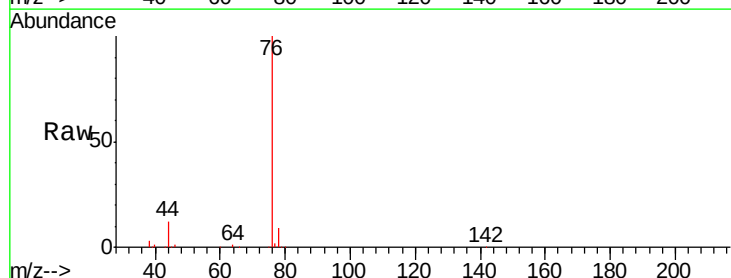
Acq: 21 Dec 2018 9:06

Tgt Ion: 76 Resp: 507632

Ion Ratio Lower Upper

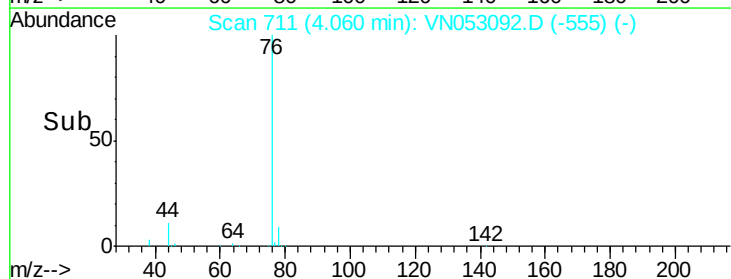
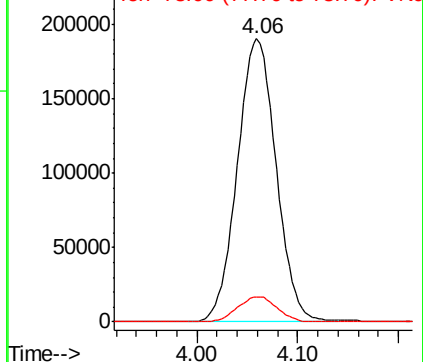
76 100

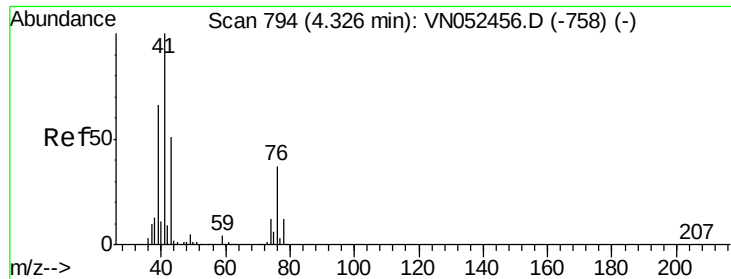
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





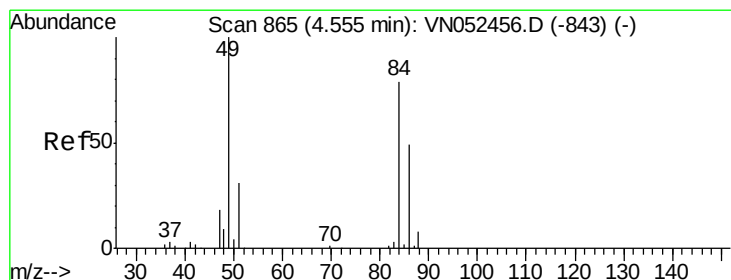
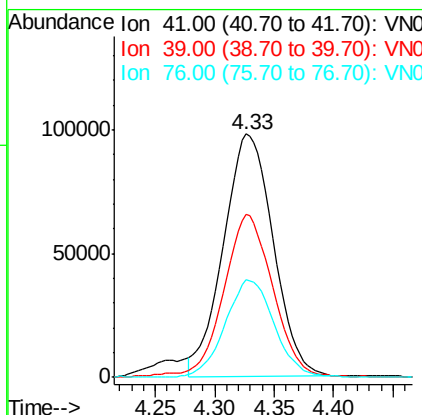
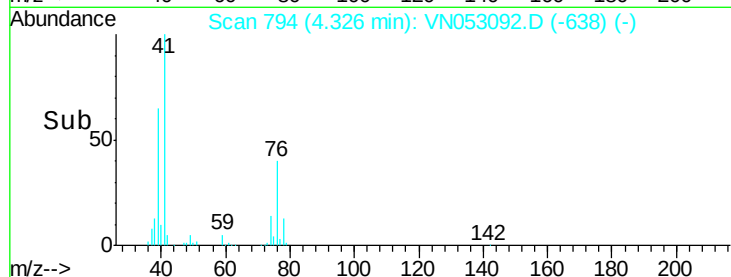
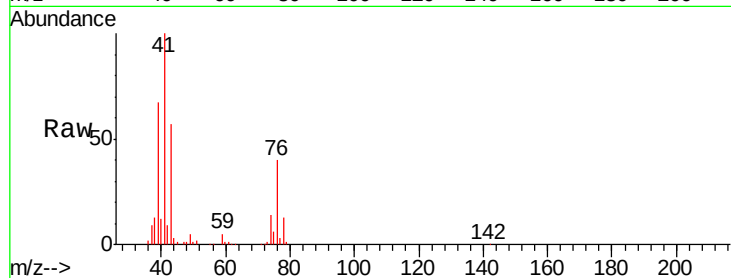
#17
 Allyl chloride
 Concen: 18.029 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	283921		
39	66.7	32.8	98.3	
76	39.7	18.6	55.8	

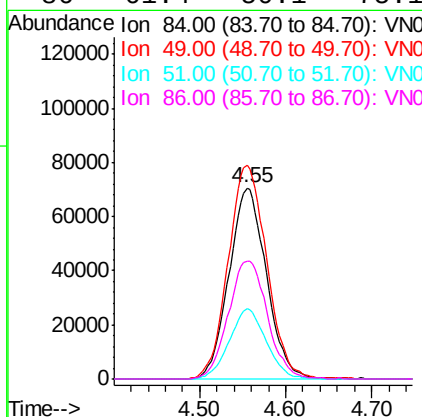
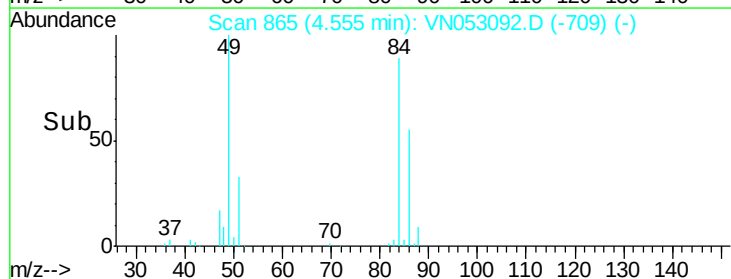
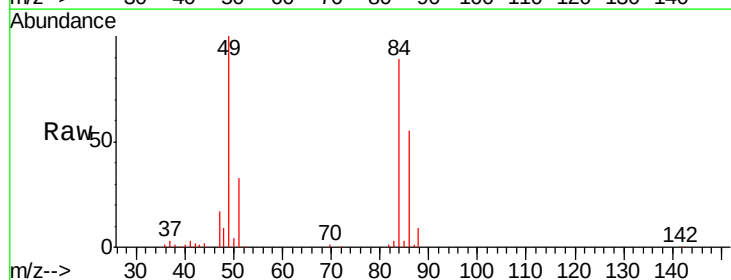
Manual Integrations
 APPROVED

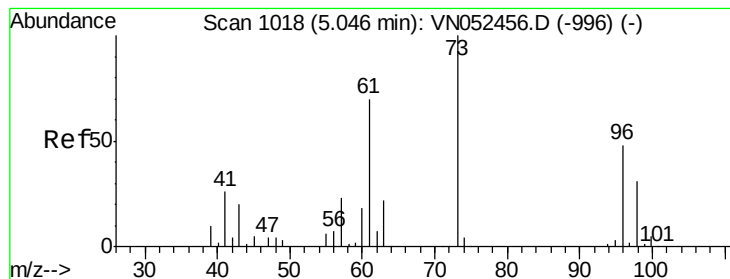
MMDadoda
 12/22/2018 10:06:08 AM



#18
 Methylene Chloride
 Concen: 20.410 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	213394		
49	111.6	101.4	152.0	
51	36.7	31.7	47.5	
86	61.4	50.1	75.1	





#19

trans-1,2-Dichloroethene

Concen: 20.146 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 96 Resp: 195780

Ion Ratio Lower Upper

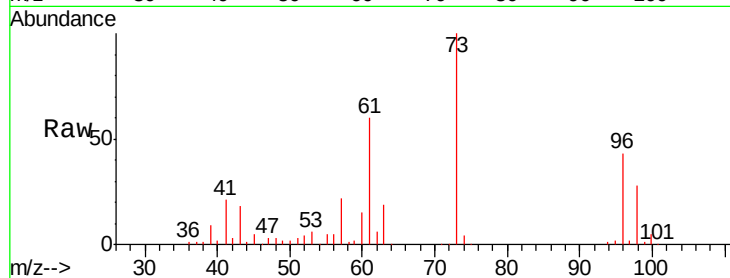
96 100

61 139.9 118.2 177.4

98 64.6 51.4 77.2

Manual Integrations
APPROVED

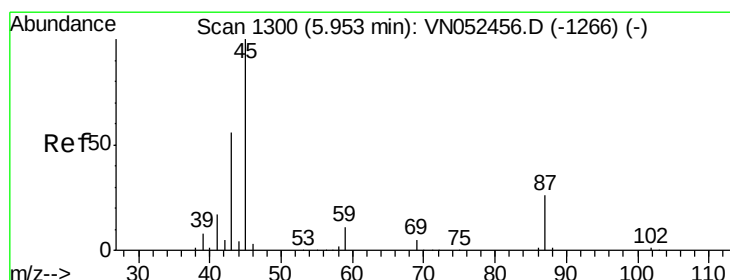
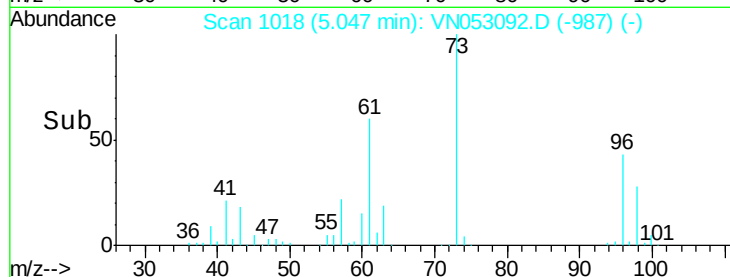
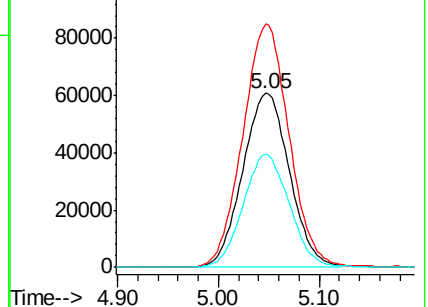
MMDadoda
12/22/2018 10:06:08 AM



Abundance Ion 96.00 (95.70 to 96.70): VN053092.D (-1238) (-)

Ion 61.00 (60.70 to 61.70): VN053092.D (-1238) (-)

Ion 98.00 (97.70 to 98.70): VN053092.D (-1238) (-)



#20

Diisopropyl ether

Concen: 19.640 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion: 45 Resp: 649968

Ion Ratio Lower Upper

45 100

43 57.5 47.8 71.8

87 27.7 21.3 31.9

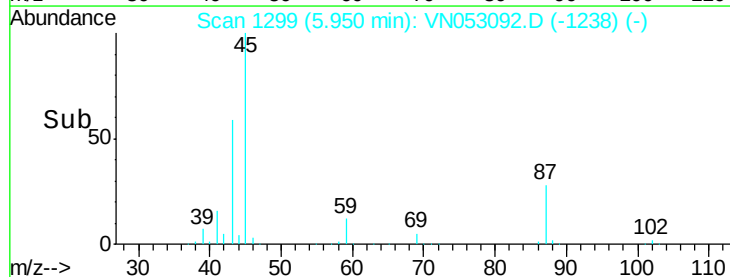
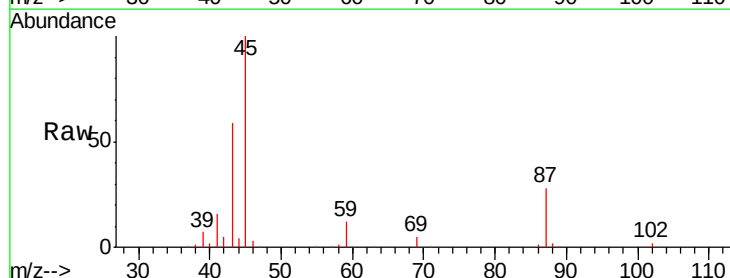
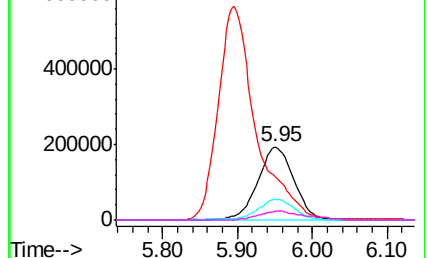
59 11.4 8.9 13.3

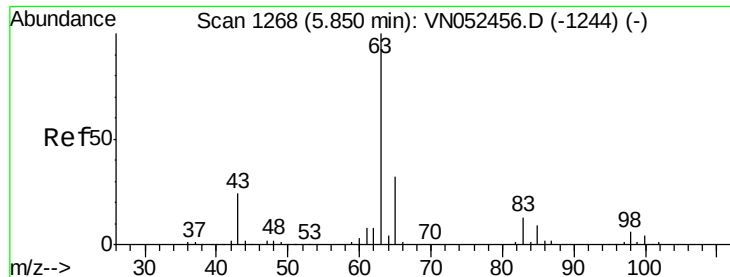
Abundance Ion 45.00 (44.70 to 45.70): VN053092.D (-1238) (-)

Ion 43.00 (42.70 to 43.70): VN053092.D (-1238) (-)

Ion 87.00 (86.70 to 87.70): VN053092.D (-1238) (-)

Ion 59.00 (58.70 to 59.70): VN053092.D (-1238) (-)





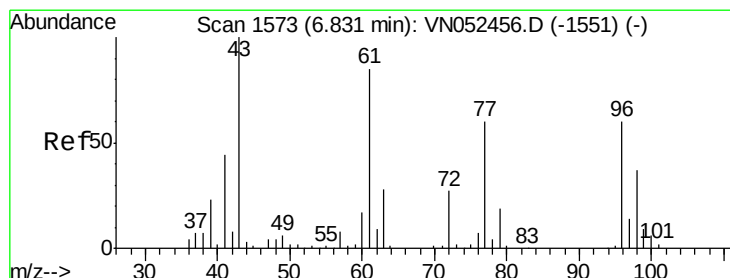
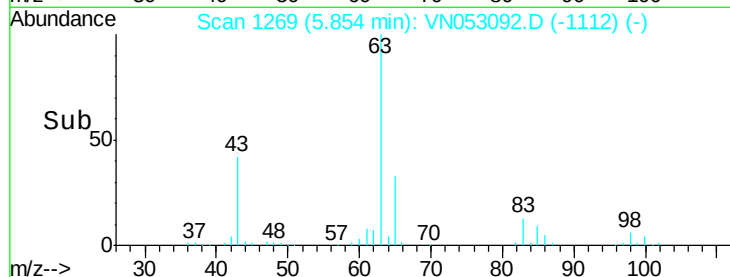
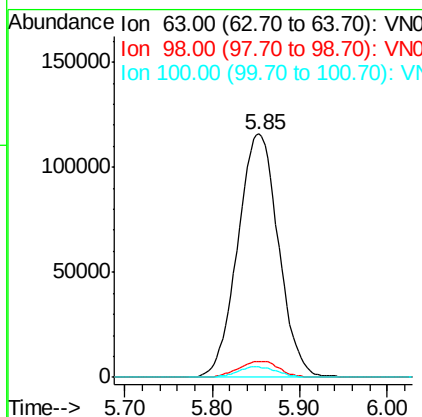
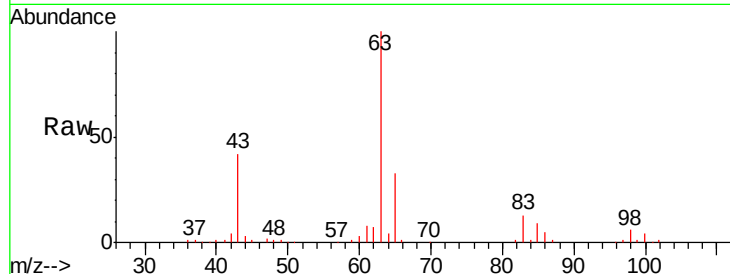
#21
 1,1-Dichloroethane
 Concen: 19.860 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.4	3.0	9.2
100	4.2	1.8	5.5

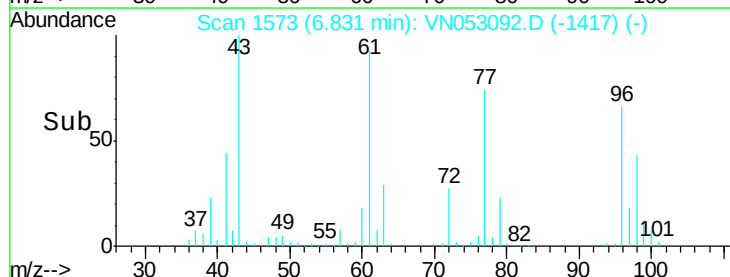
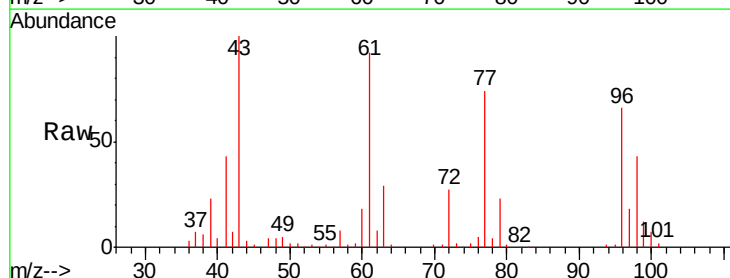
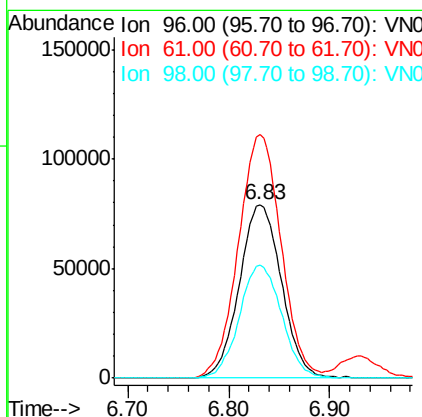
Manual Integrations
 APPROVED

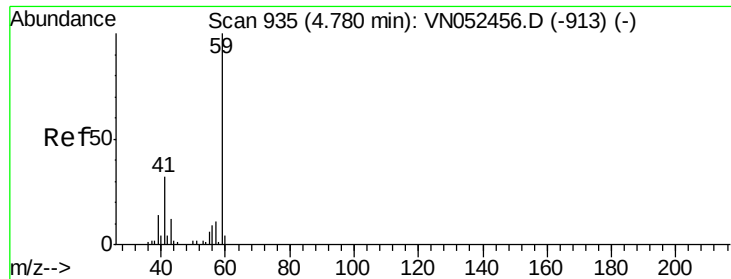
MMDadoda
 12/22/2018 10:06:08 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.662 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	141.9	116.7	175.1
98	65.5	50.8	76.2





#23

tert-Butyl Alcohol

Concen: 135.126 ug/l m

RT: 4.77 min Scan# 932

Delta R.T. -0.01 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 59 Resp: 65714

Ion Ratio Lower Upper

59 100

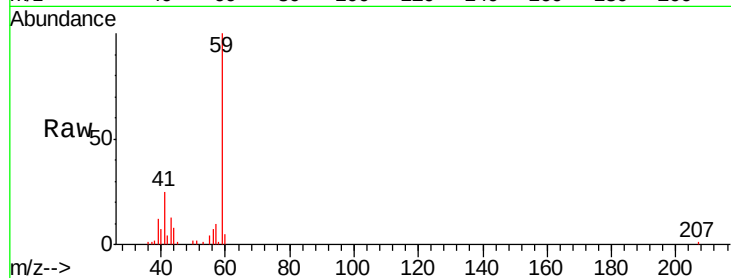
52 0.0 0.0 0.0

Manual Integrations

APPROVED

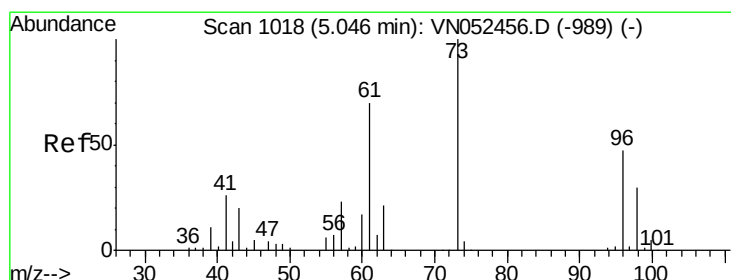
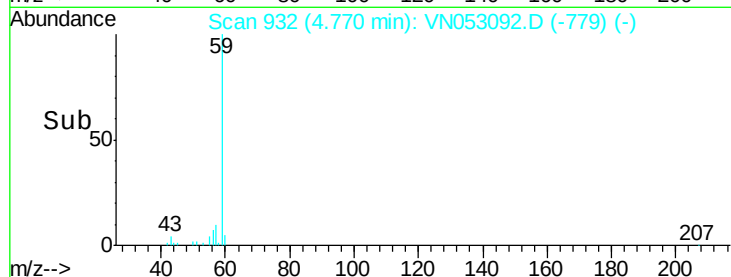
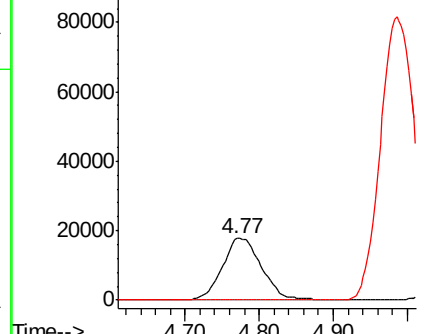
MMDadoda

12/22/2018 10:06:08 AM



Abundance Ion 59.00 (58.70 to 59.70): VN052456.D (-913) (-)

Ion 52.00 (51.70 to 52.70): VN052456.D (-913) (-)



#24

Methyl tert-Butyl Ether

Concen: 22.240 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053092.D

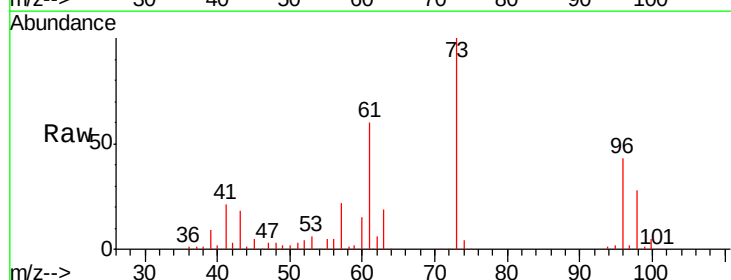
Acq: 21 Dec 2018 9:06

Tgt Ion: 73 Resp: 526845

Ion Ratio Lower Upper

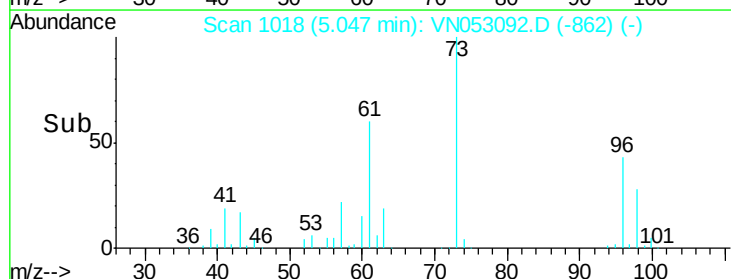
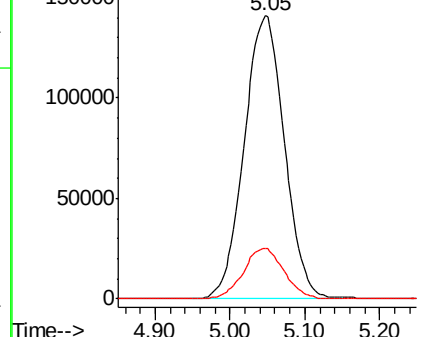
73 100

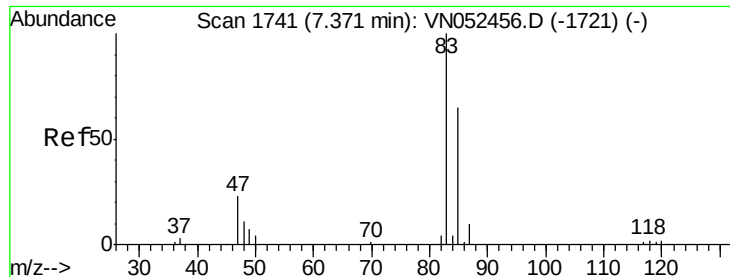
43 18.0 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN052456.D (-989) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-989) (-)





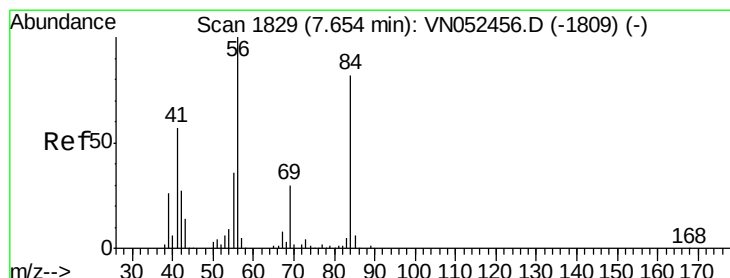
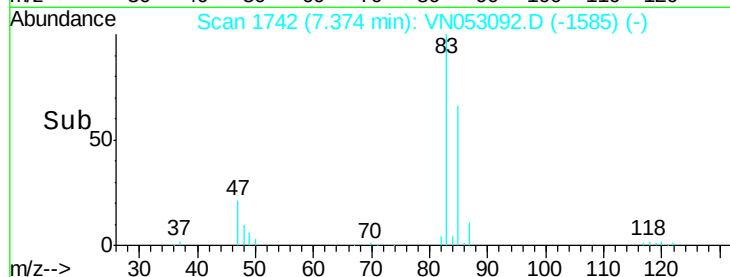
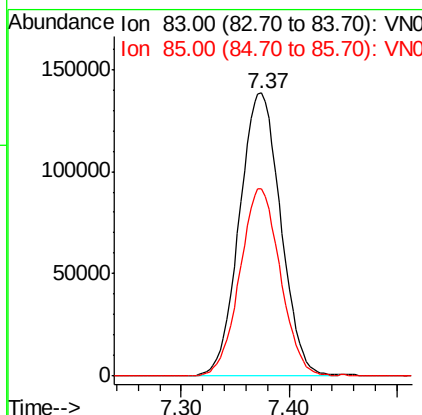
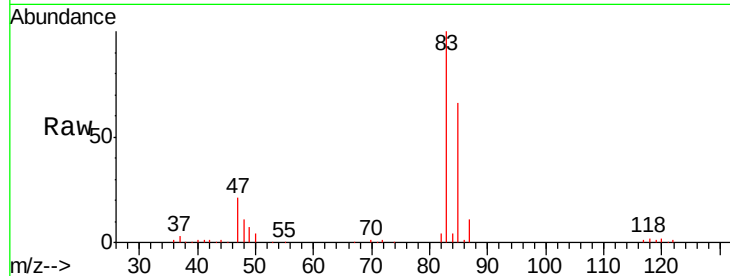
#25
Chloroform
Concen: 20.244 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.7	77.5

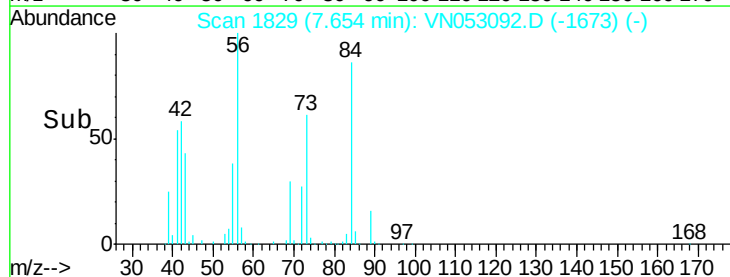
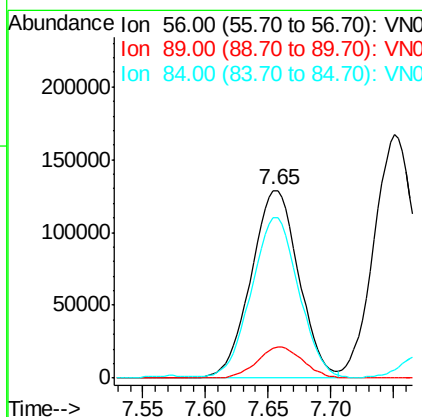
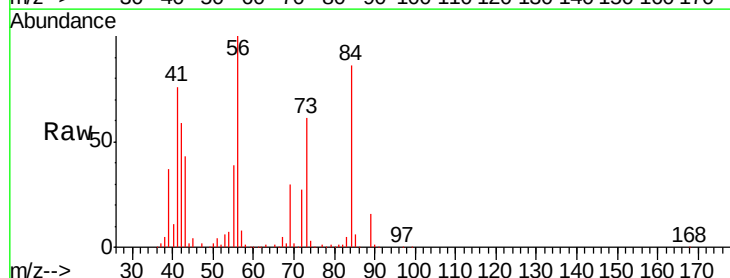
Manual Integrations
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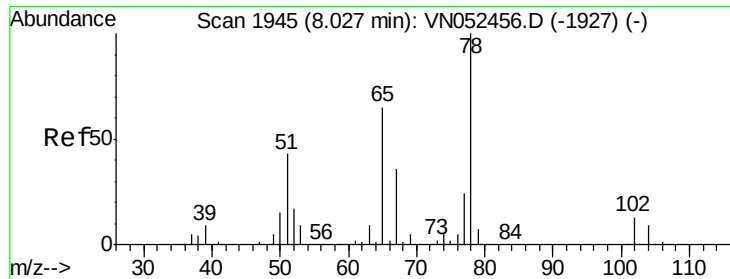
MMDadoda
12/22/2018 10:06:08 AM



#26
Cyclohexane
Concen: 19.187 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
56	100		
89	15.9	0.5	0.7#
84	84.9	66.2	99.2





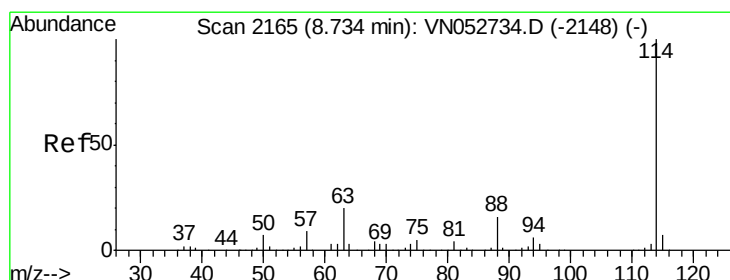
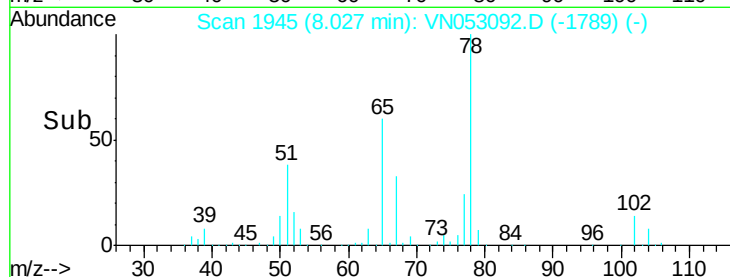
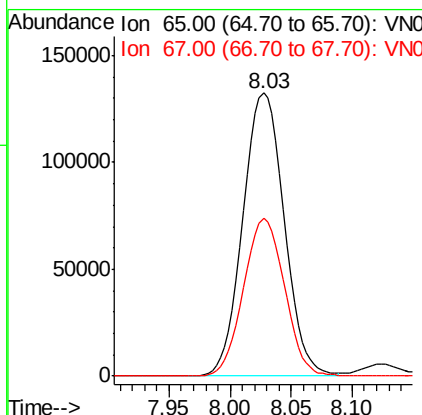
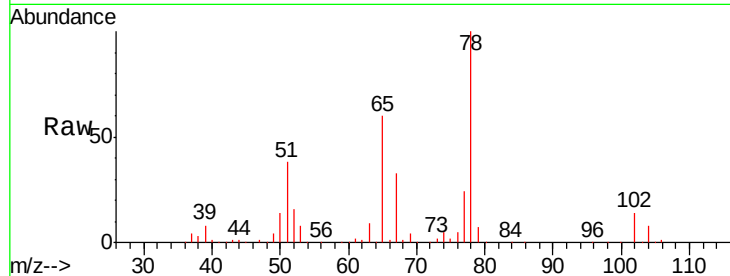
#27
 1,2-Dichloroethane-d4
 Concen: 19.187 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 65 Resp: 311443
 Ion Ratio Lower Upper
 65 100
 67 55.4 44.6 66.8

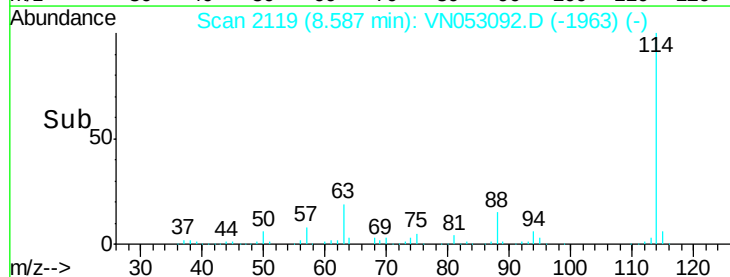
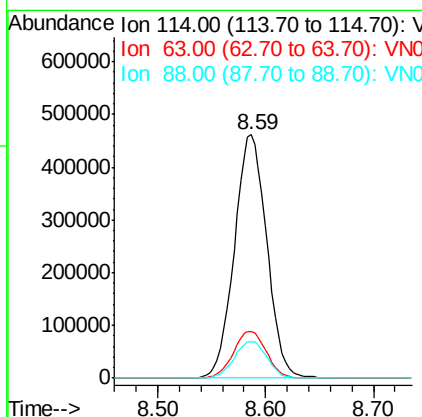
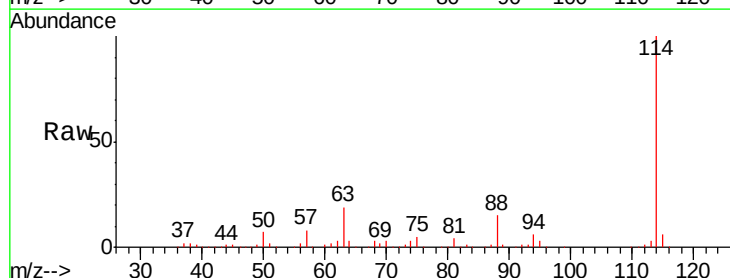
Manual Integrations
 APPROVED

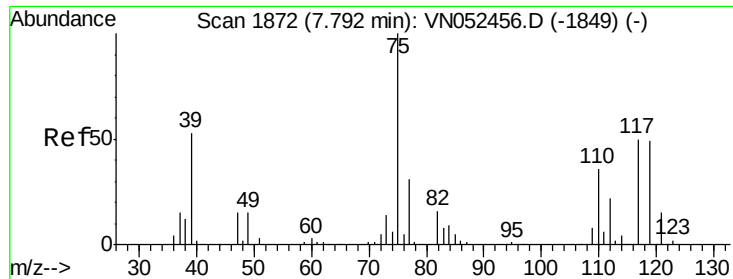
MMDadoda
 12/22/2018 10:06:08 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion: 114 Resp: 964229
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.9 25.3
 88 15.2 12.8 19.2





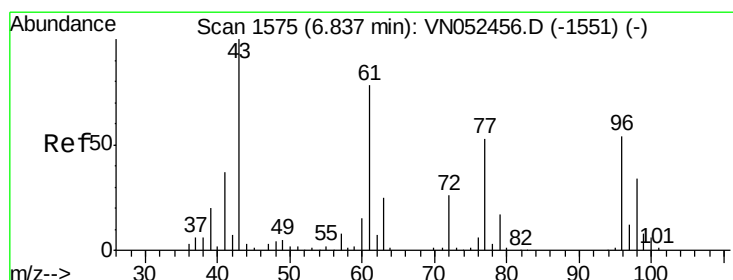
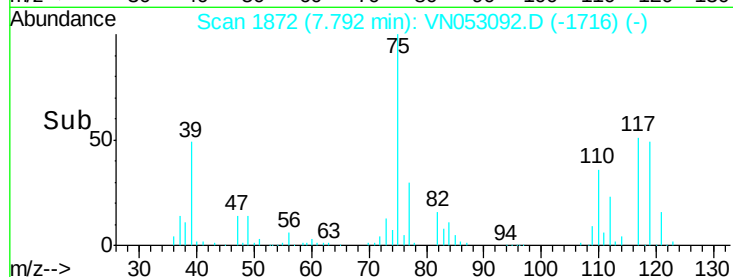
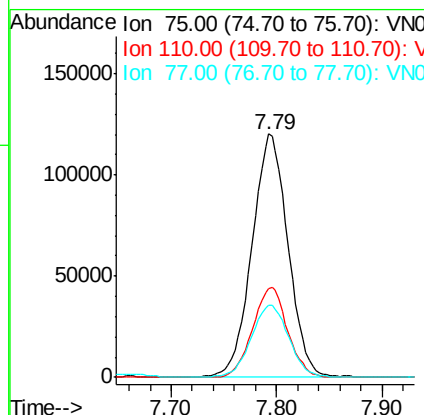
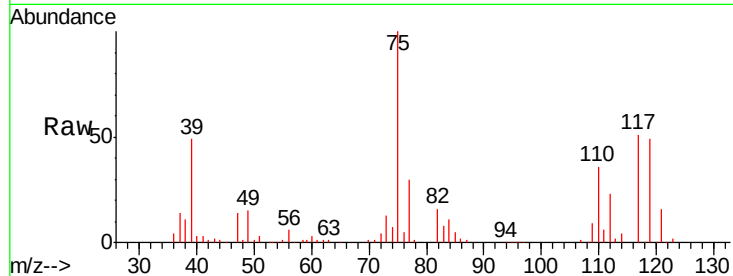
#29
 1,1-Dichloropropene
 Concen: 19.407 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	35.9	0.0	70.2
77	30.9	0.0	62.6

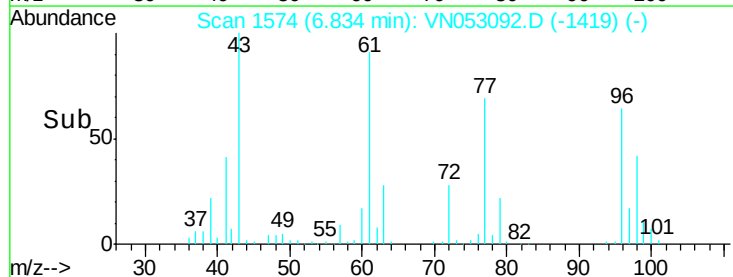
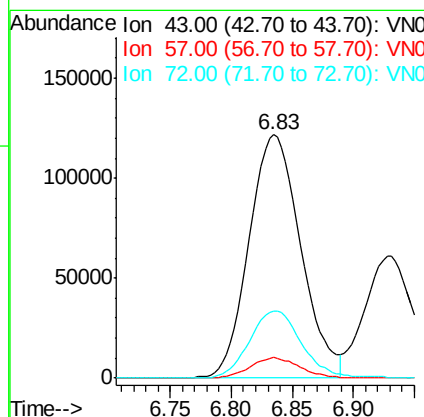
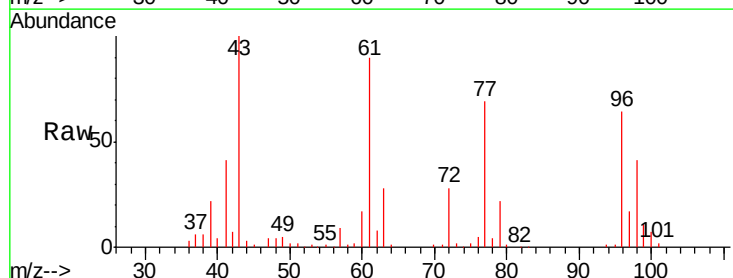
Manual Integrations
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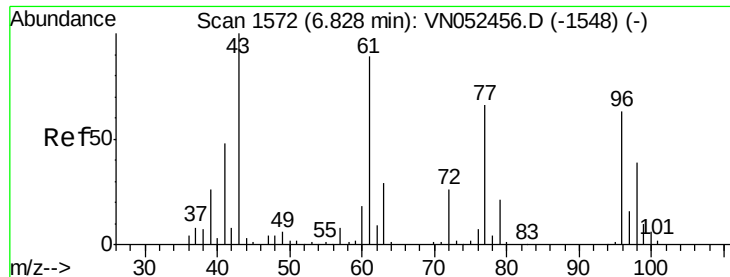
MMDadoda
 12/22/2018 10:06:08 AM



#30
 2-Butanone
 Concen: 90.469 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.1	6.2	9.4
72	28.1	21.0	31.6





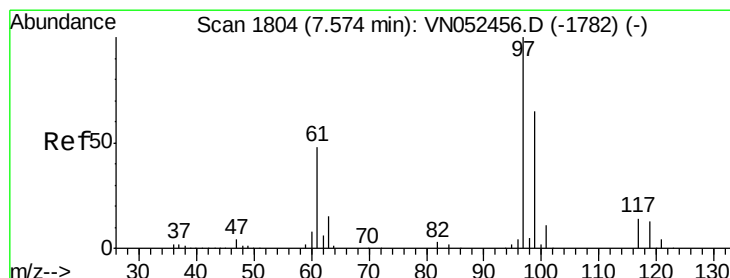
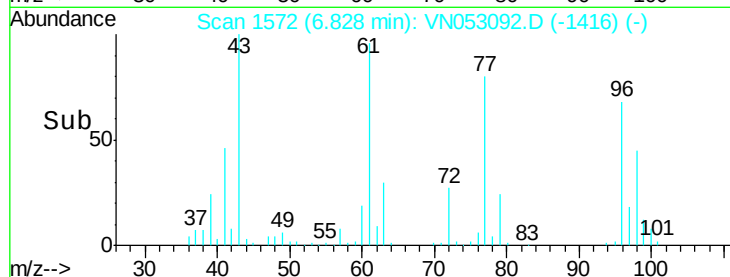
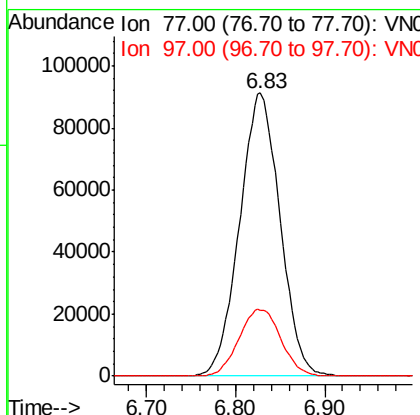
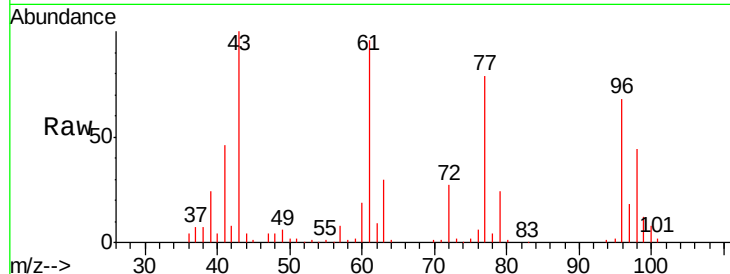
#31
 2,2-Dichloropropane
 Concen: 21.186 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 77 Resp: 287199
 Ion Ratio Lower Upper
 77 100
 97 14.5 18.7 28.1#

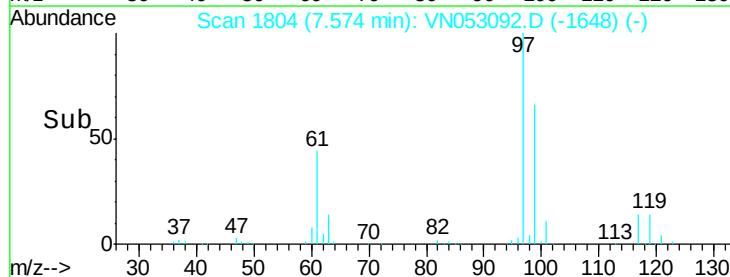
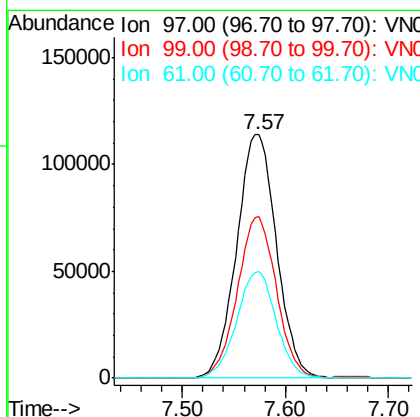
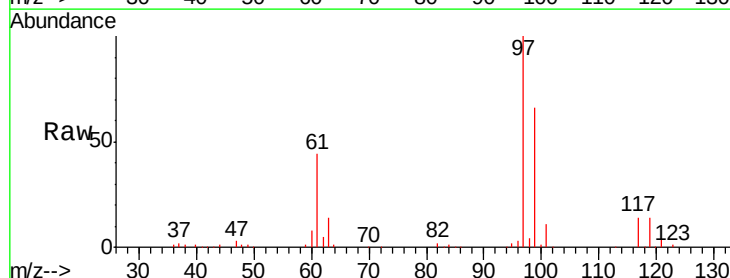
Manual Integrations
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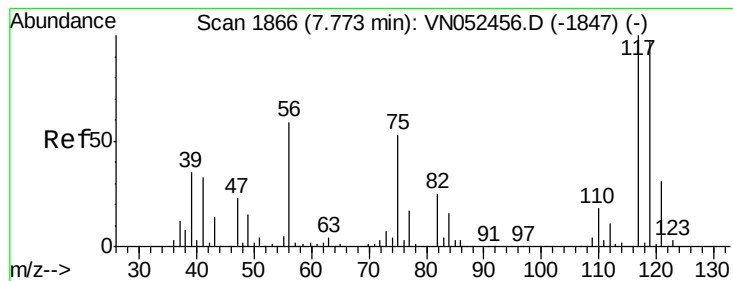
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 12/22/2018 10:06:08 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.009 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion: 97 Resp: 306564
 Ion Ratio Lower Upper
 97 100
 99 64.8 50.9 76.3
 61 43.4 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.470 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 117 Resp: 261017
Ion Ratio Lower Upper

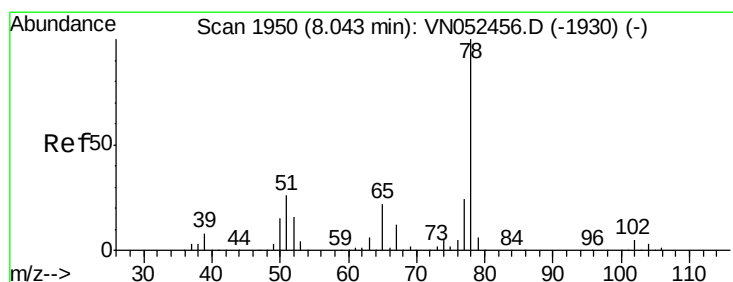
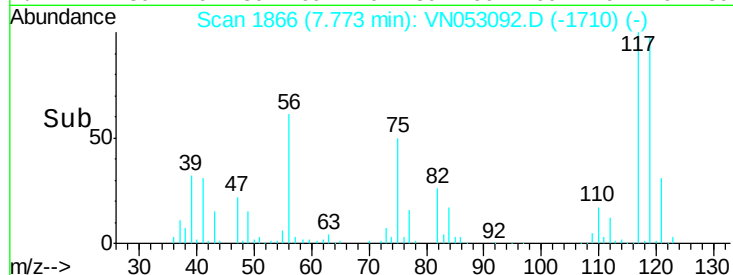
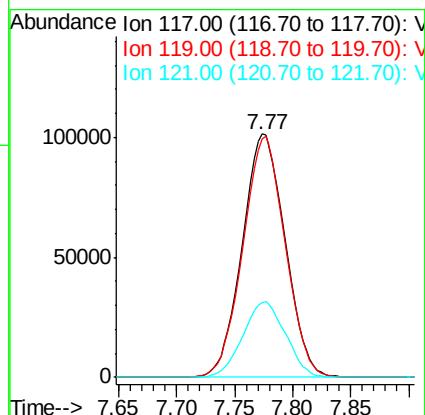
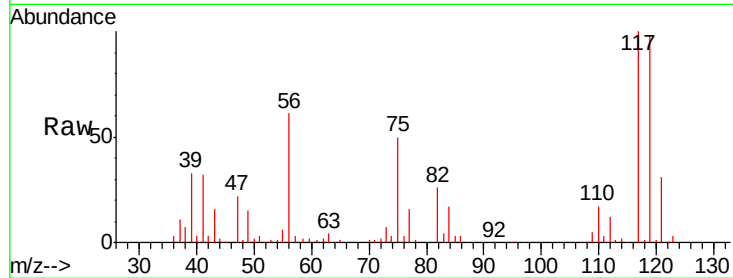
117 100

119 97.8 77.3 115.9

121 30.7 24.9 37.3

Manual Integrations
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#34

Benzene

Concen: 19.442 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053092.D

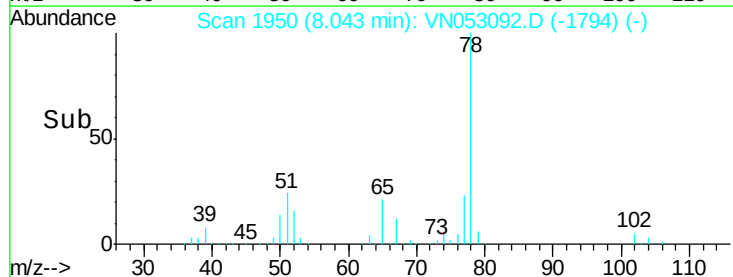
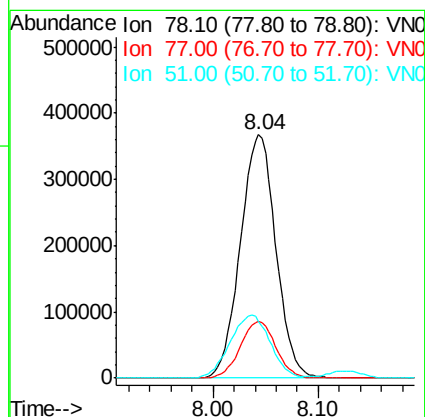
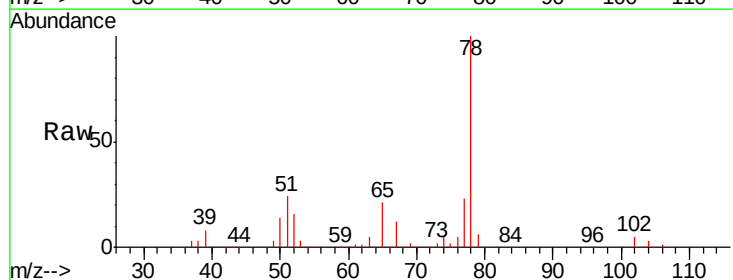
Acq: 21 Dec 2018 9:06

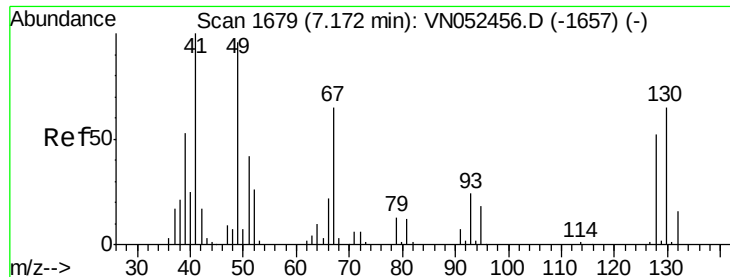
Tgt Ion: 78 Resp: 860702
Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.6

51 23.4 20.5 30.7





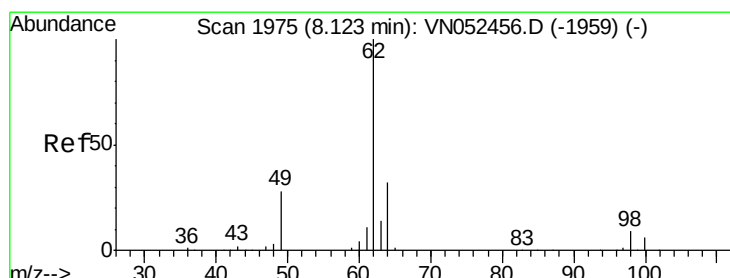
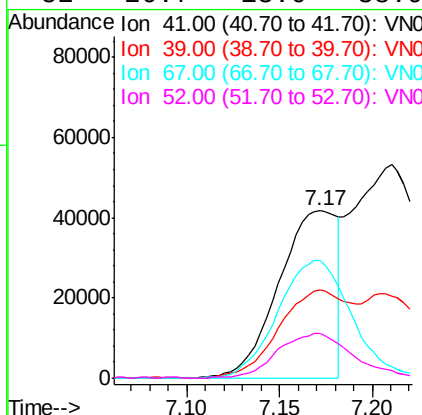
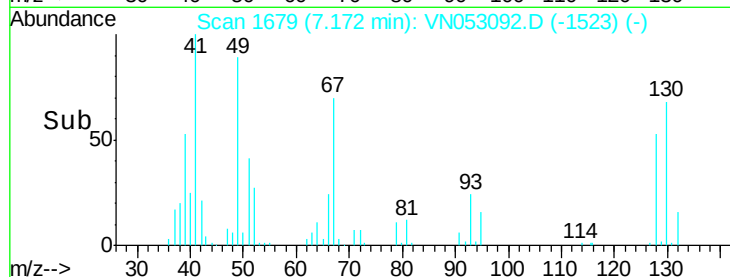
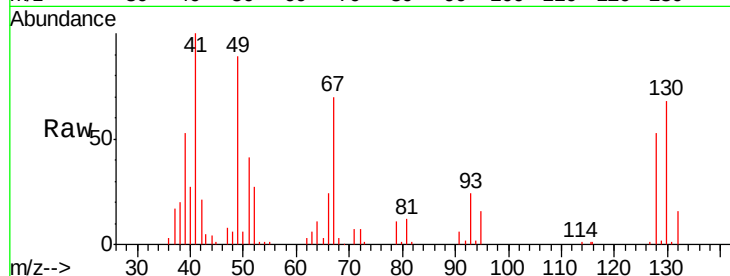
#35
Methacrylonitrile
Concen: 18.719 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.6	26.6	79.7
67	70.1	32.3	96.9
52	26.7	13.0	38.9

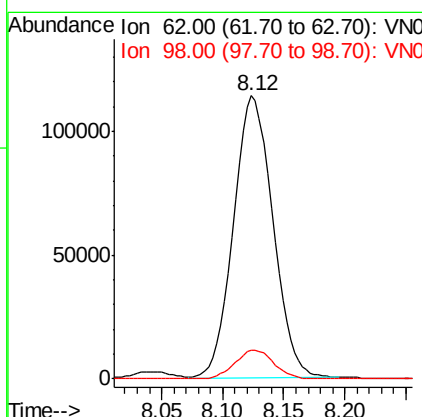
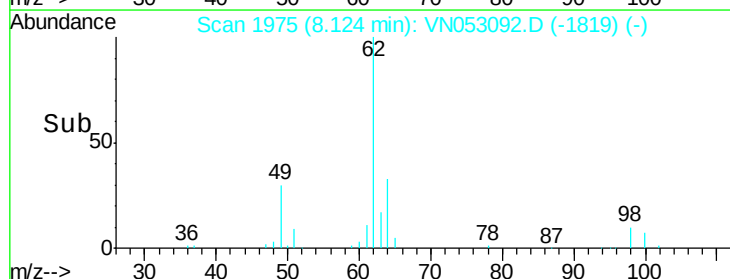
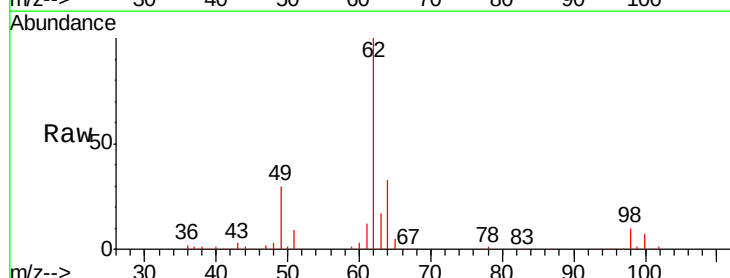
Manual Integrations
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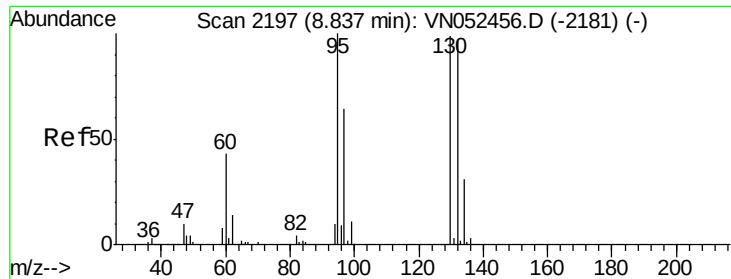
MMDadoda
12/22/2018 10:06:08 AM



#36
1,2-Dichloroethane
Concen: 19.085 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.4	11.2





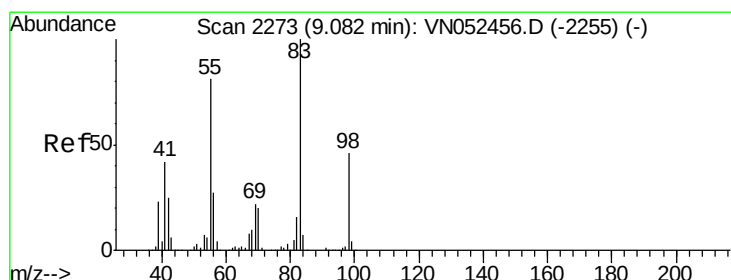
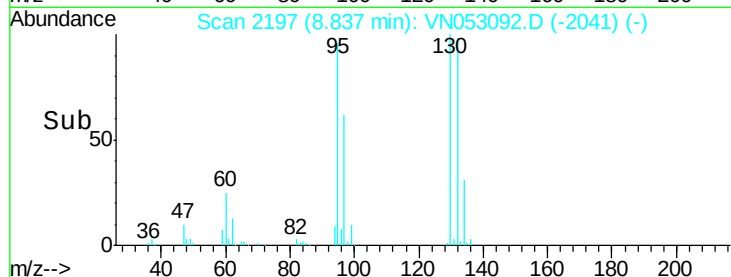
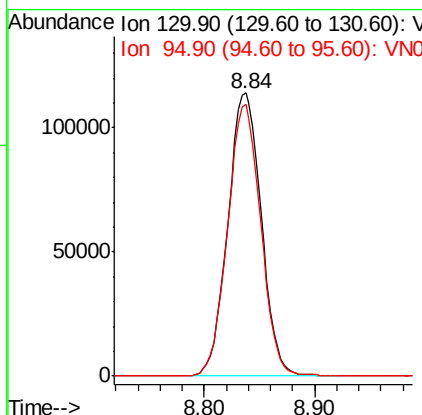
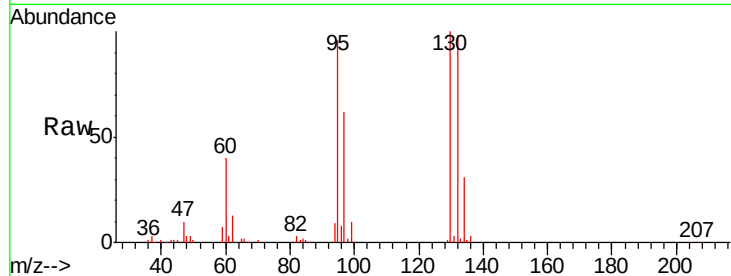
#37
 Trichloroethene
 Concen: 21.275 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 130 Resp: 238828
 Ion Ratio Lower Upper
 130 100
 95 96.0 81.0 121.4

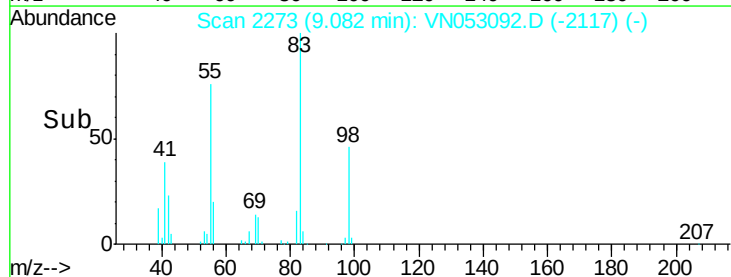
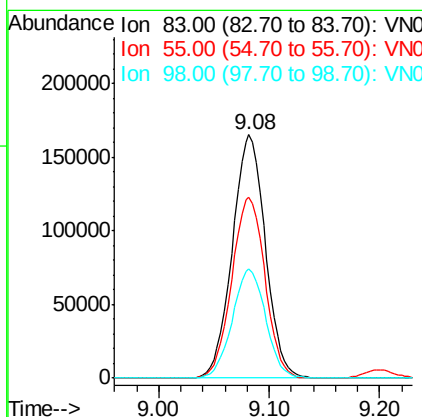
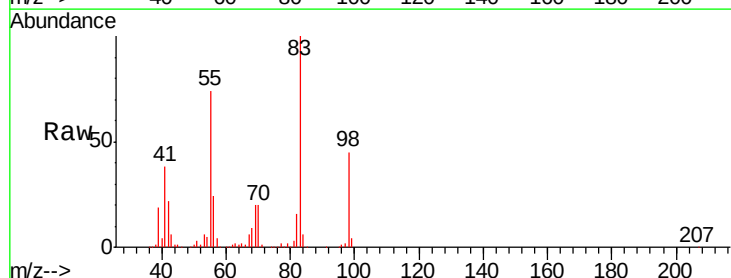
Manual Integrations
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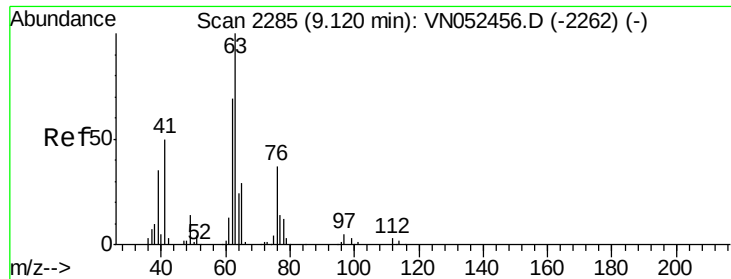
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#38
 Methylcyclohexane
 Concen: 18.791 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion: 83 Resp: 342523
 Ion Ratio Lower Upper
 83 100
 55 75.0 39.8 119.4
 98 45.3 22.9 68.5





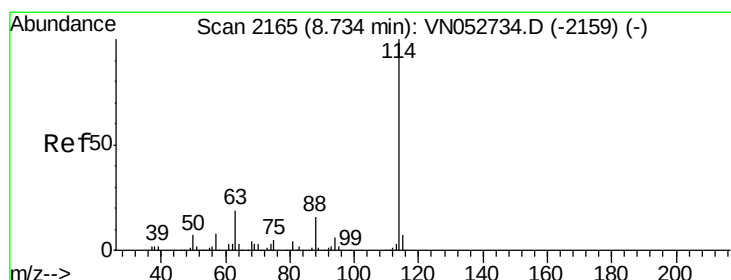
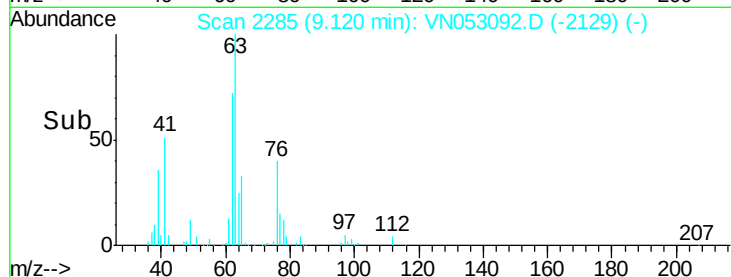
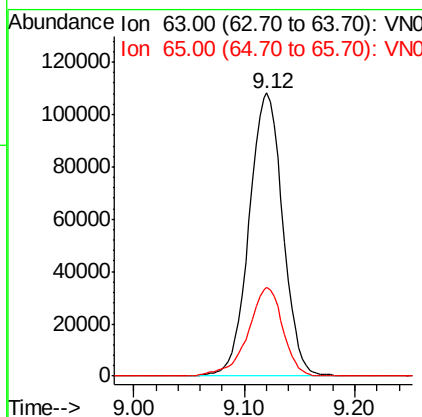
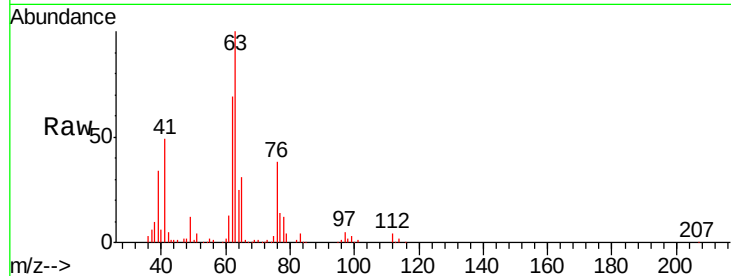
#39
 1,2-Dichloropropane
 Concen: 19.277 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 63 Resp: 228762
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.6 35.4

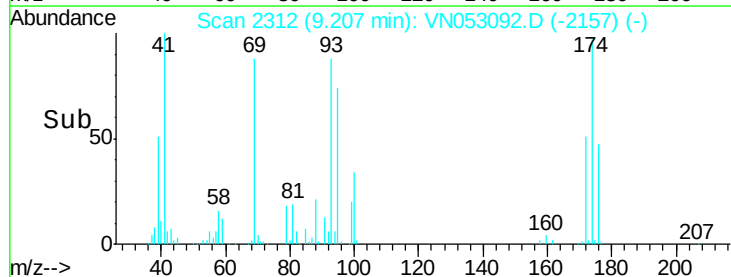
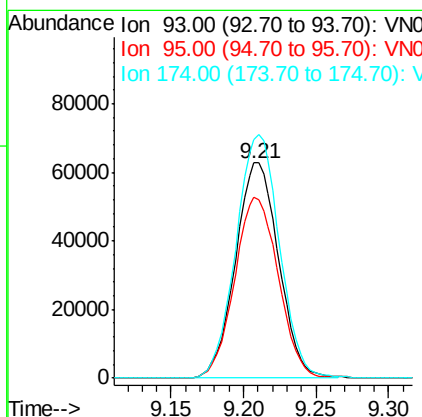
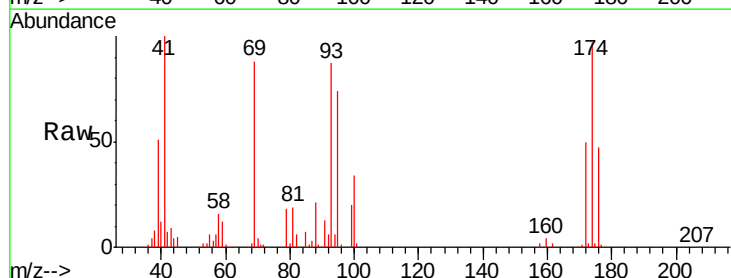
Manual Integrations
 APPROVED

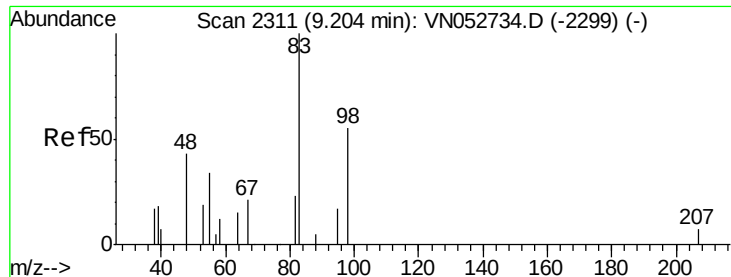
MMDadoda
 12/22/2018 10:06:08 AM



#40
 Dibromomethane
 Concen: 20.247 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion: 93 Resp: 129838
 Ion Ratio Lower Upper
 93 100
 95 85.0 0.0 168.4
 174 114.0 0.0 210.0





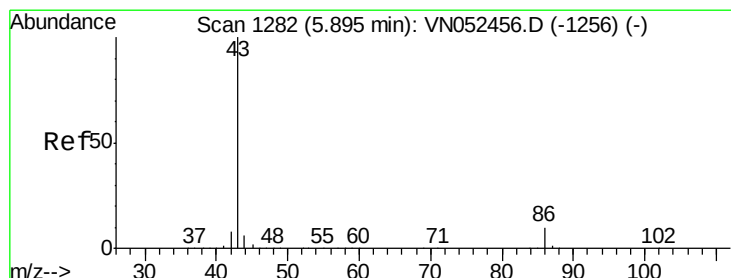
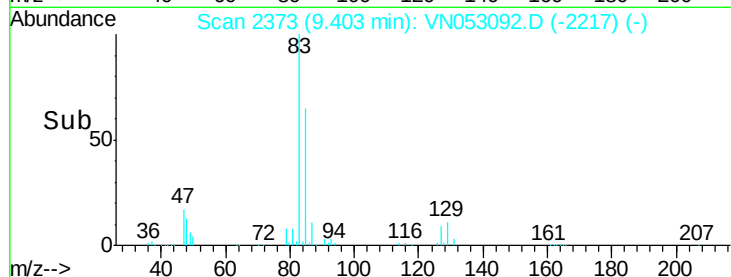
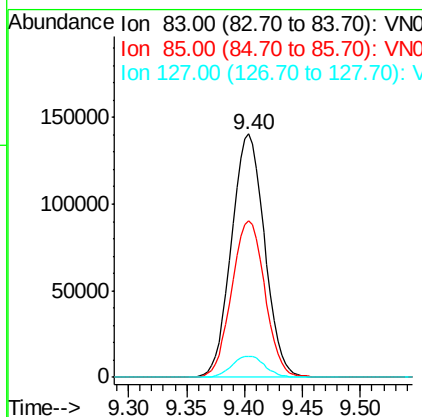
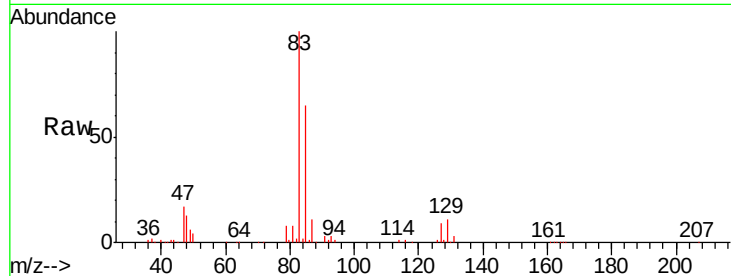
#41
 Bromodichloromethane
 Concen: 19.589 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	8.6	6.6	9.8

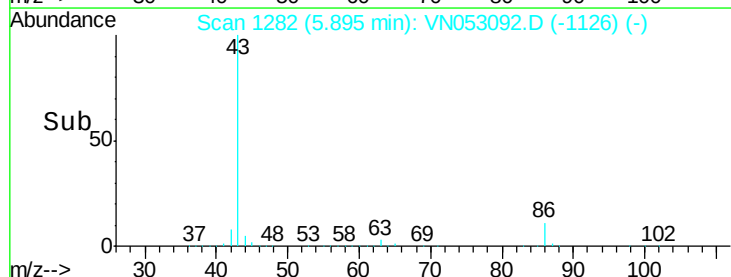
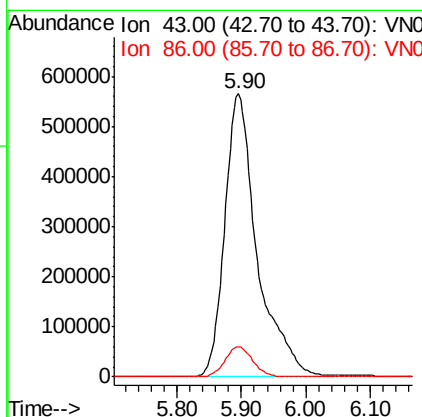
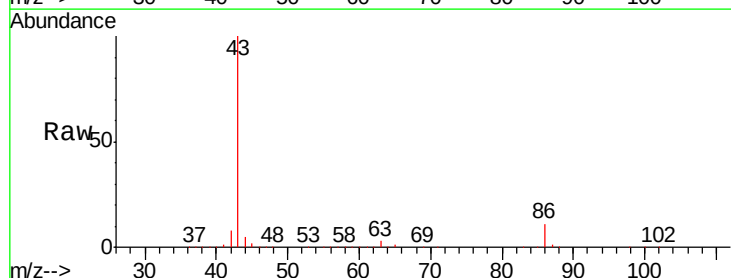
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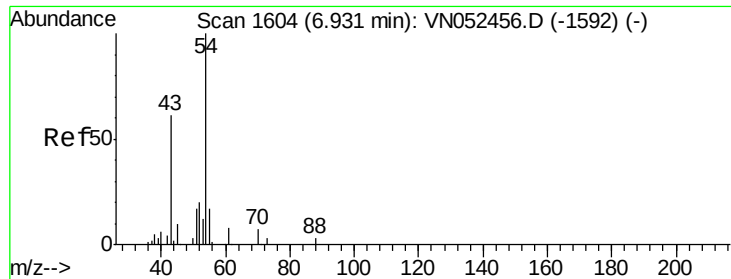
MMDadoda
 12/22/2018 10:06:08 AM



#42
 Vinyl Acetate
 Concen: 92.640 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.5	9.7





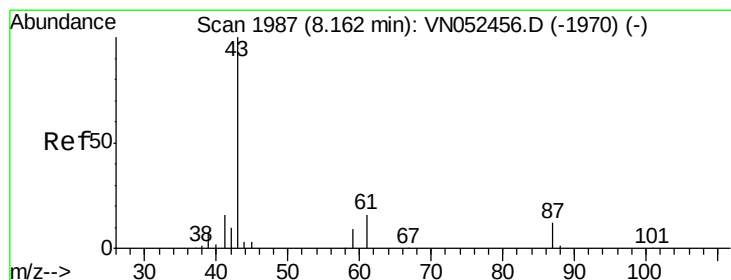
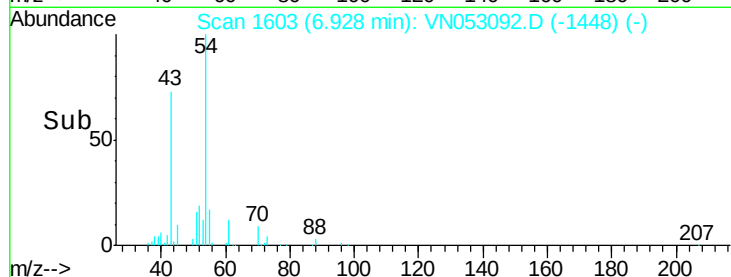
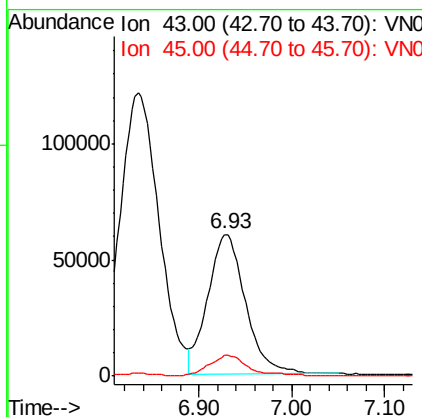
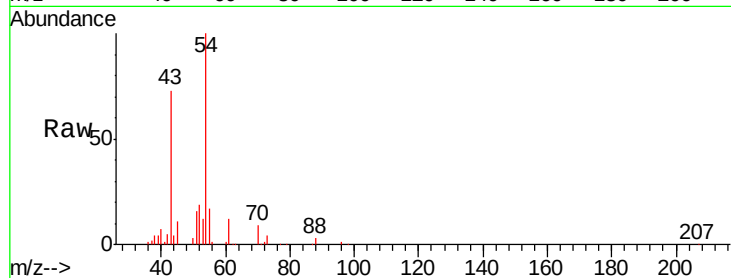
#43
Ethyl Acetate
Concen: 20.279 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 169903
Ion Ratio Lower Upper
43 100
45 13.4 1.0 1.6#

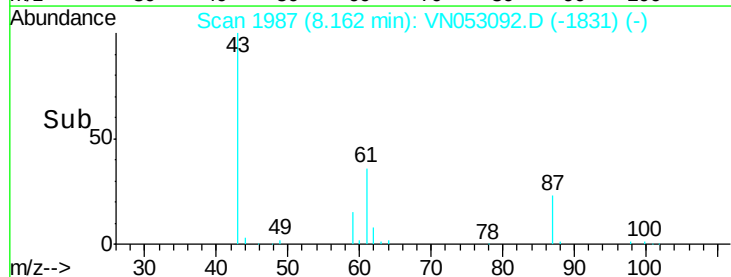
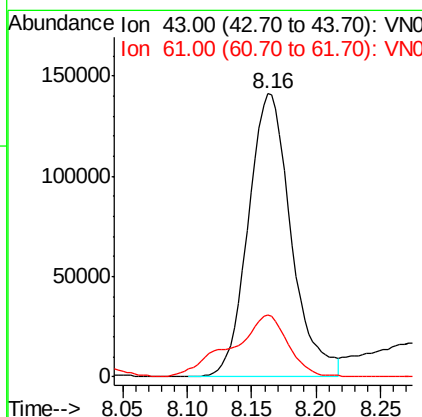
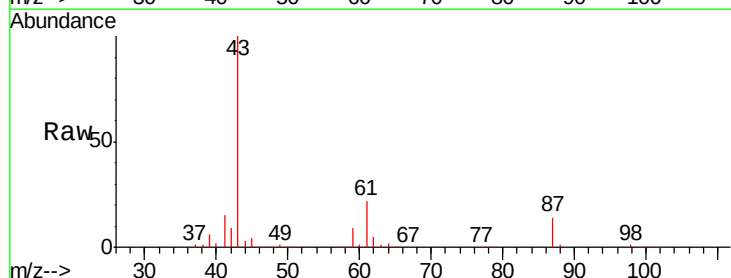
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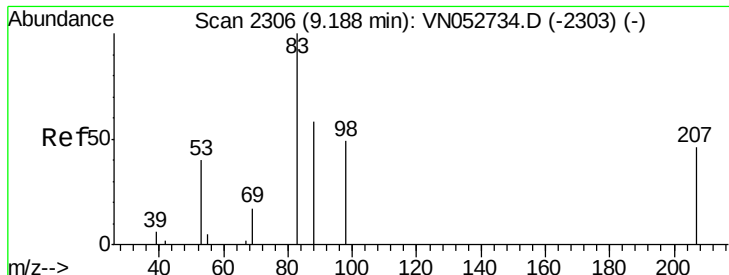
MMDadoda
12/22/2018 10:06:08 AM



#44
Isopropyl Acetate
Concen: 22.128 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion: 43 Resp: 325141
Ion Ratio Lower Upper
43 100
61 19.7 16.0 24.0





#45

1,4-Dioxane

Concen: 483.576 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

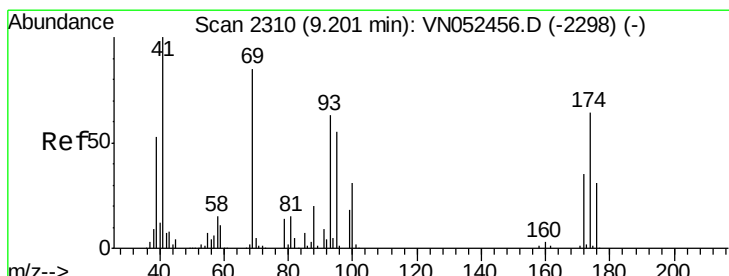
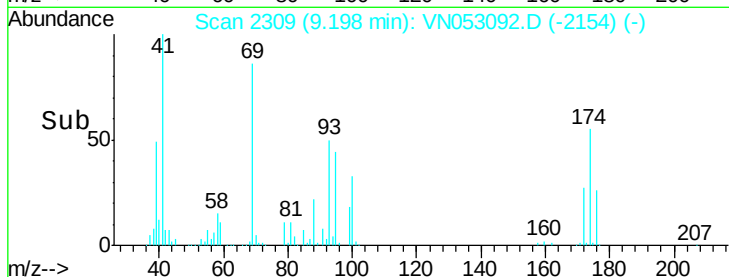
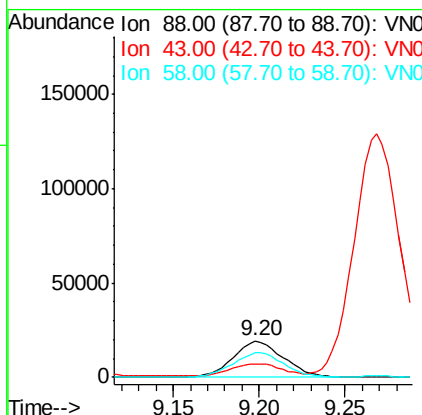
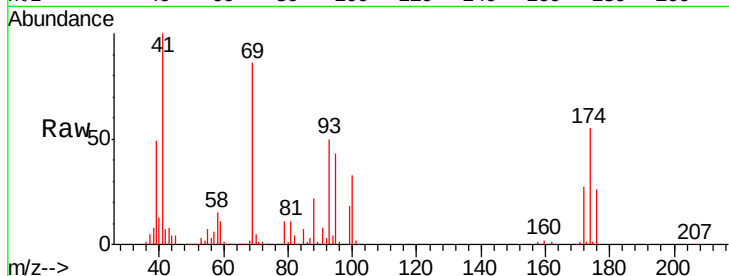
ClientSampleId :

VSTDCCC020

Tgt Ion:	88	Resp:	38872
Ion Ratio	Lower	Upper	
88	100		
43	31.1	29.5	44.3
58	69.5	61.5	92.3

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#46

Methyl methacrylate

Concen: 20.845 ug/l

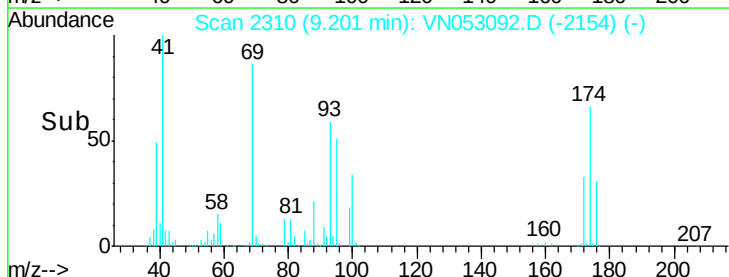
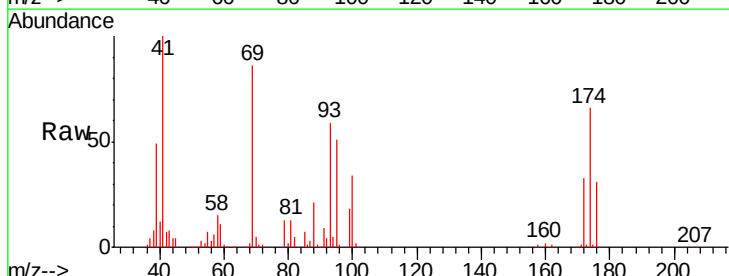
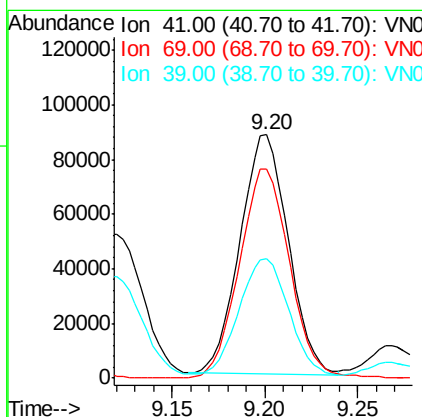
RT: 9.20 min Scan# 2310

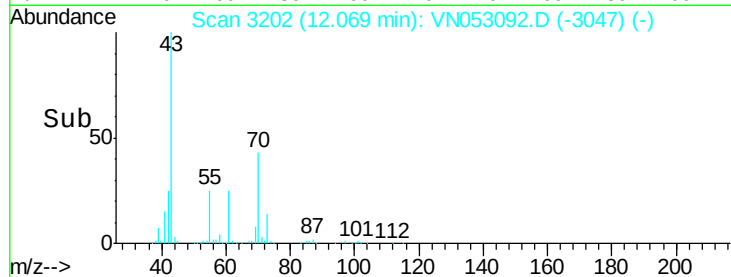
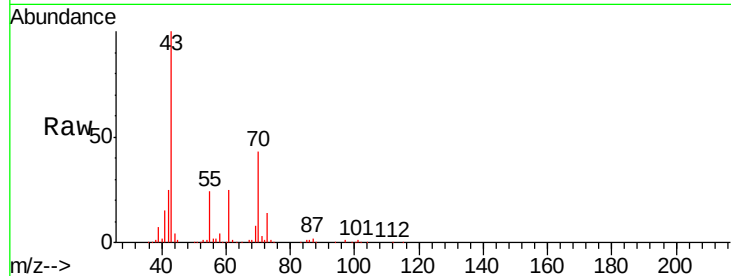
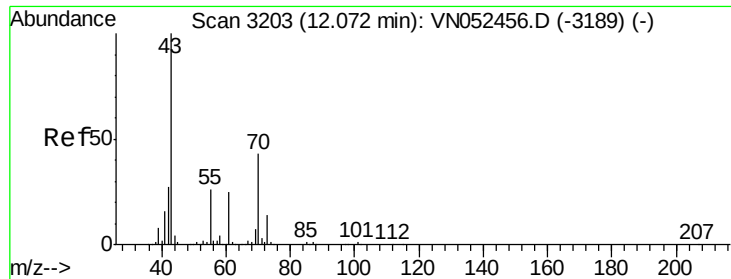
Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion:	41	Resp:	159034
Ion Ratio	Lower	Upper	
41	100		
69	87.1	42.5	127.6
39	48.7	26.3	78.9





#47

n-amyI Acetate

Concen: 23.197 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
43	100		
55	25.0	21.1	31.7

Instrument :

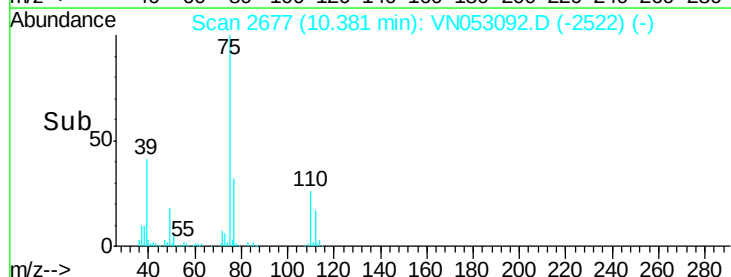
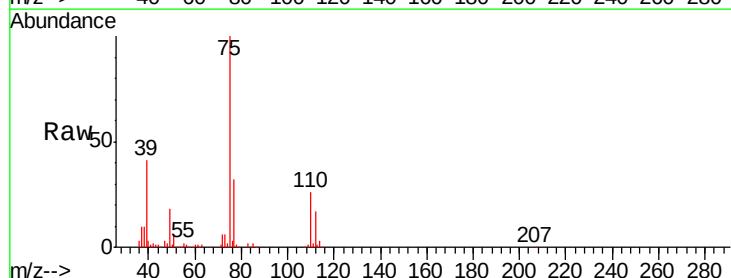
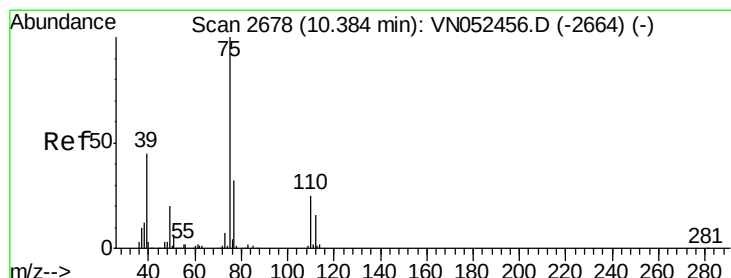
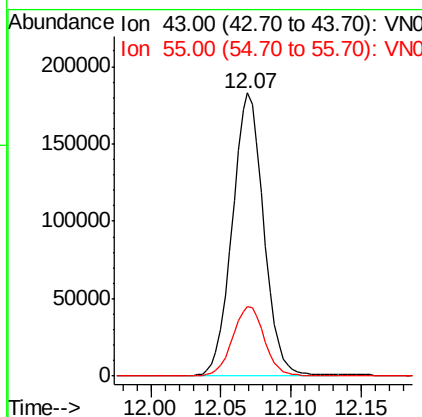
MSVOA_N

ClientSampleId :

VSTDCCC020

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#48

t-1,3-Dichloropropene

Concen: 20.756 ug/l

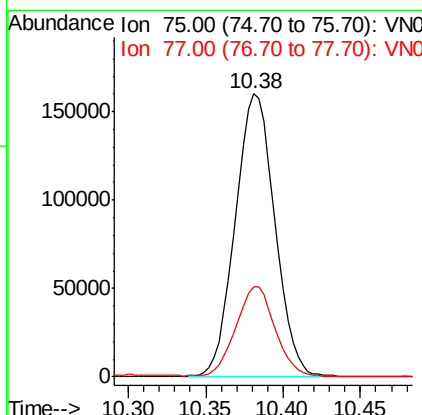
RT: 10.38 min Scan# 2677

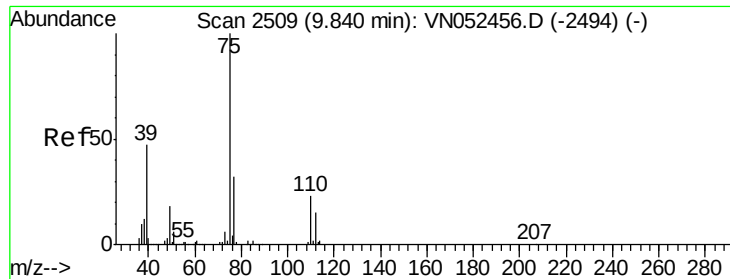
Delta R.T. -0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4





#49

cis-1,3-Dichloropropene

Concen: 20.083 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

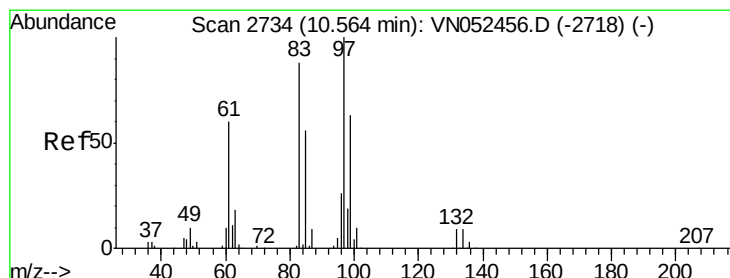
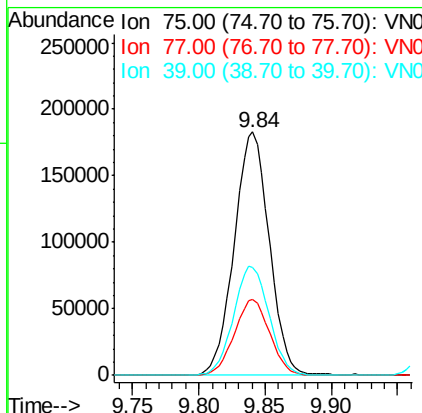
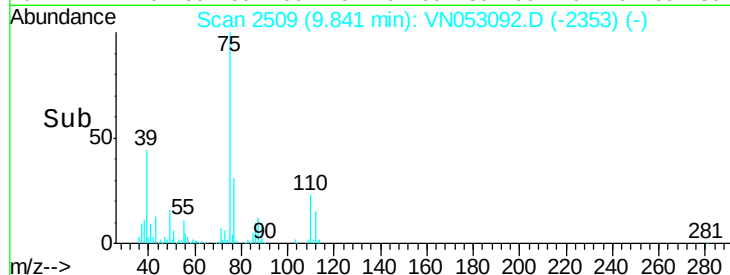
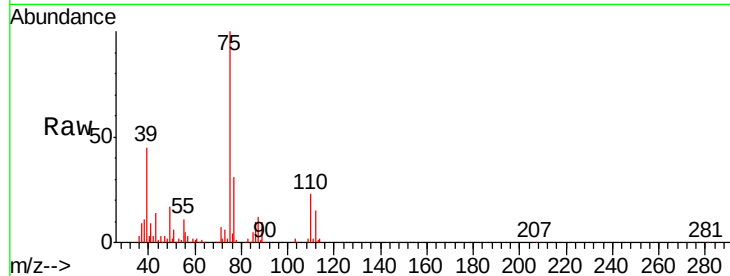
ClientSampleId :

VSTDCCC020

Tgt Ion:	75	Resp:	336145
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	44.4	37.3	55.9

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#50

1,1,2-Trichloroethane

Concen: 21.208 ug/l

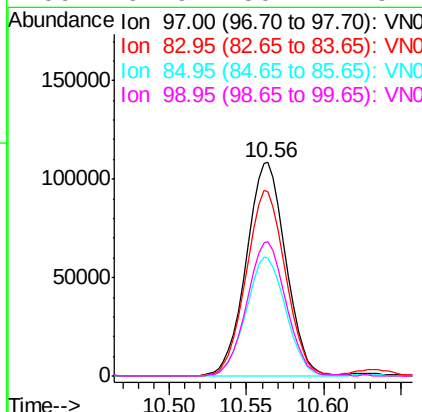
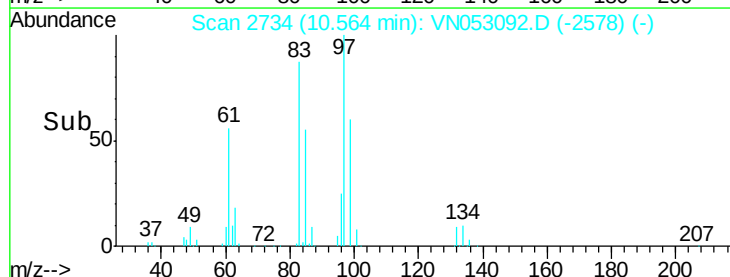
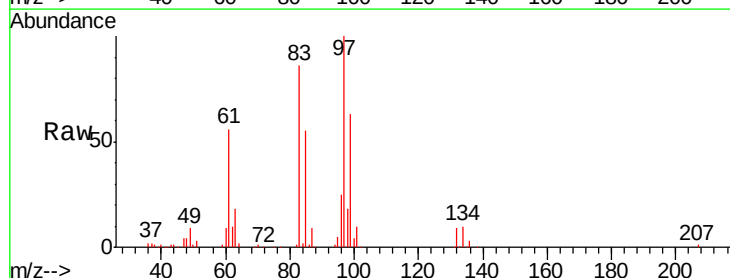
RT: 10.56 min Scan# 2734

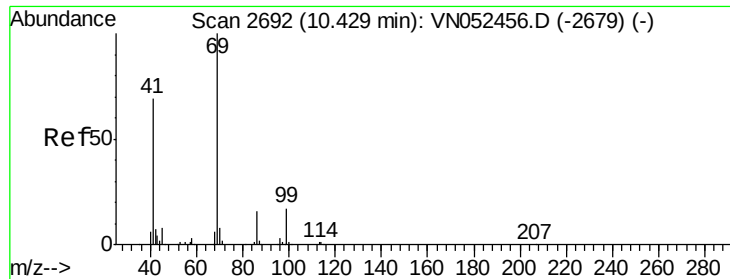
Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion:	97	Resp:	192786
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.4	105.6
85	55.4	45.0	67.6
99	62.9	50.2	75.2





#51

Ethyl methacrylate

Concen: 22.035 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

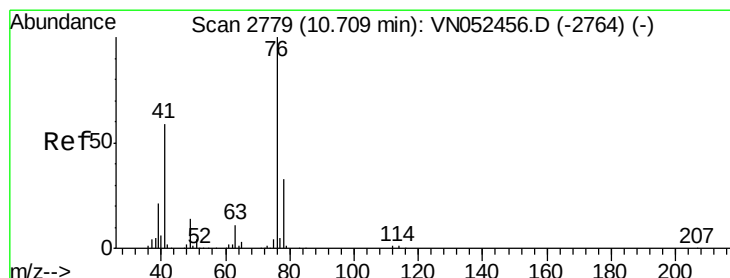
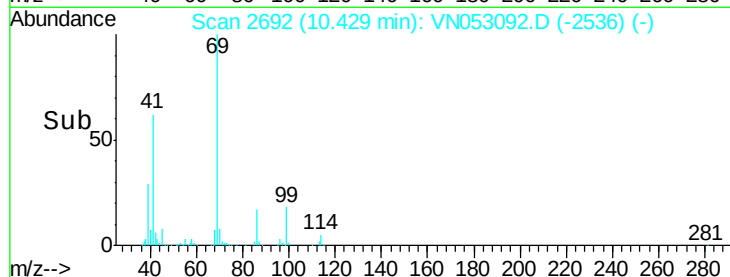
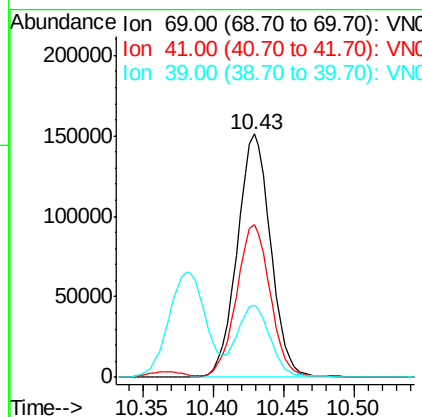
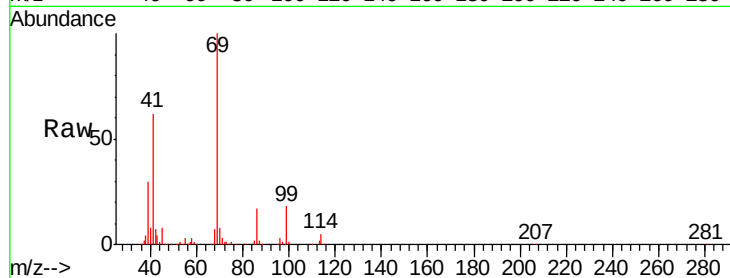
ClientSampleId :

VSTDCCC020

Tgt Ion:	69	Resp:	251575
Ion Ratio	Lower	Upper	
69	100		
41	62.0	34.4	103.3
39	29.5	16.4	49.2

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#52

1,3-Dichloropropane

Concen: 19.938 ug/l

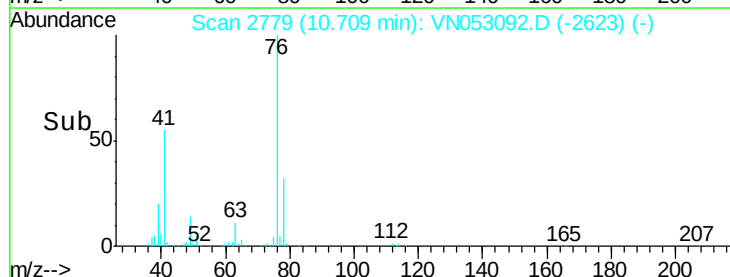
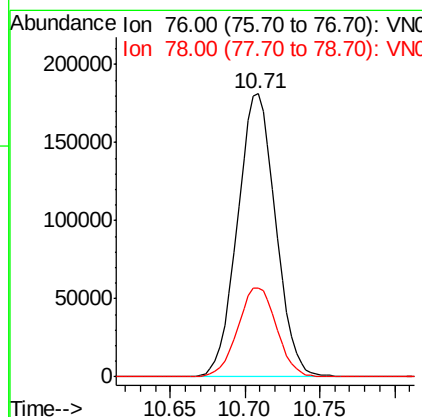
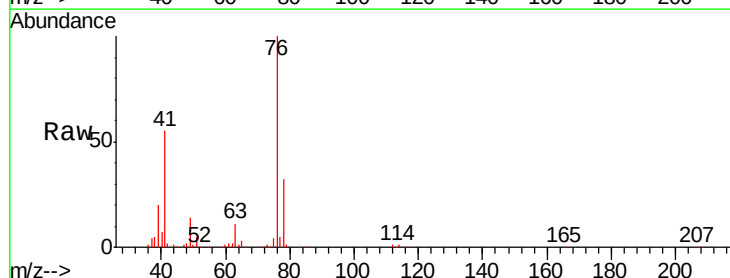
RT: 10.71 min Scan# 2779

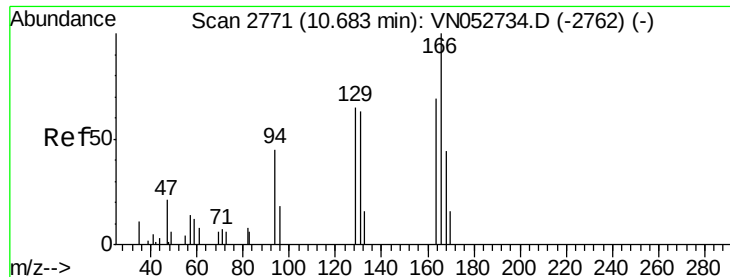
Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion:	76	Resp:	322609
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	64.8





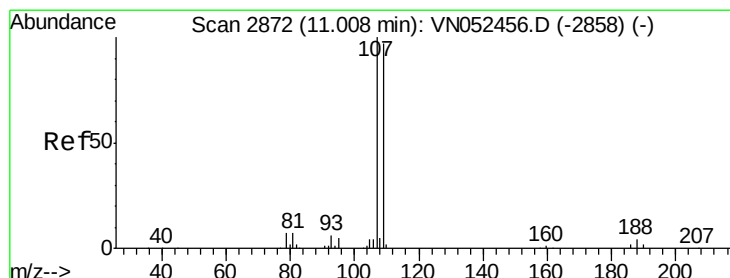
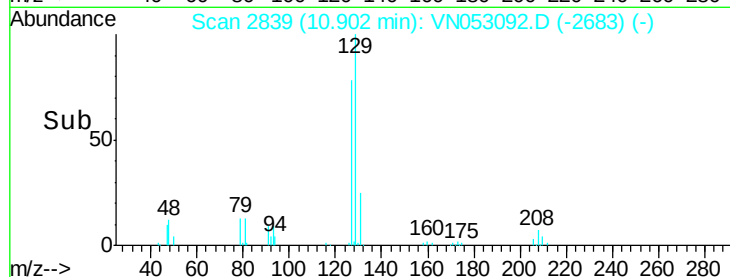
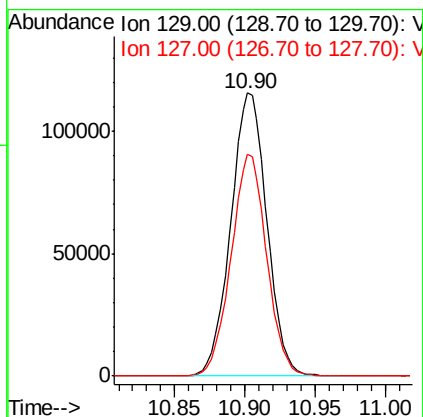
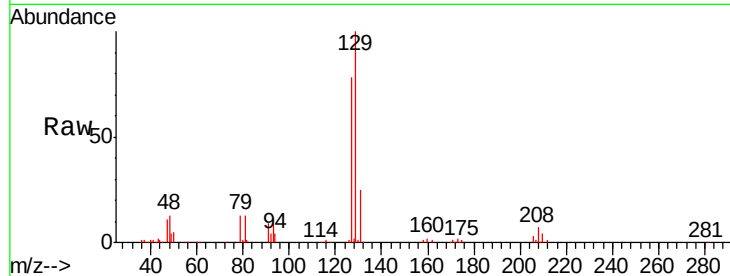
#53
Dibromochloromethane
Concen: 20.710 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:129 Resp: 207265
Ion Ratio Lower Upper
129 100
127 77.3 37.6 112.8

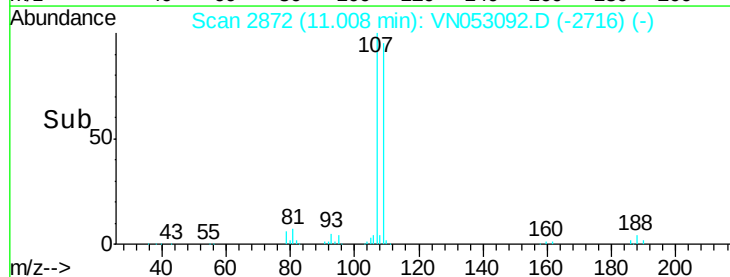
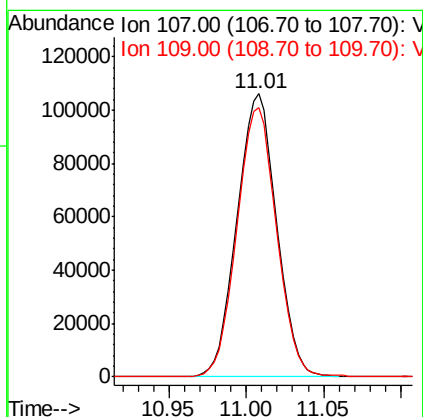
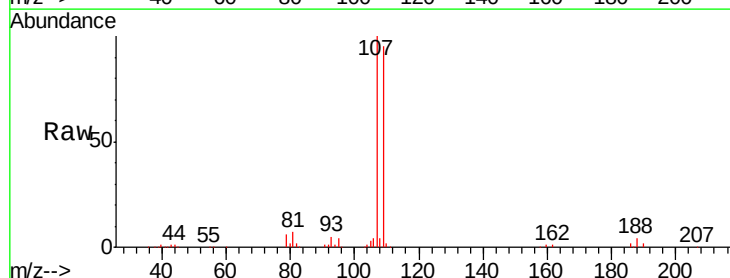
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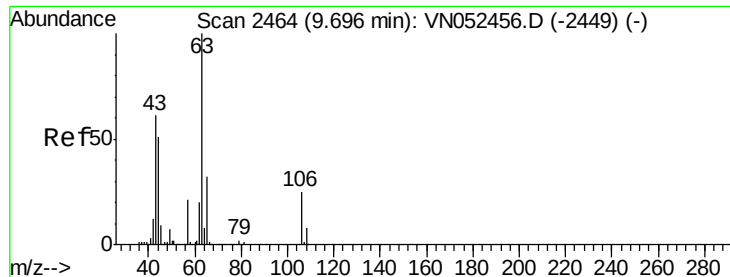
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#54
1,2-Dibromoethane
Concen: 21.236 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion:107 Resp: 188633
Ion Ratio Lower Upper
107 100
109 95.3 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 109.322 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

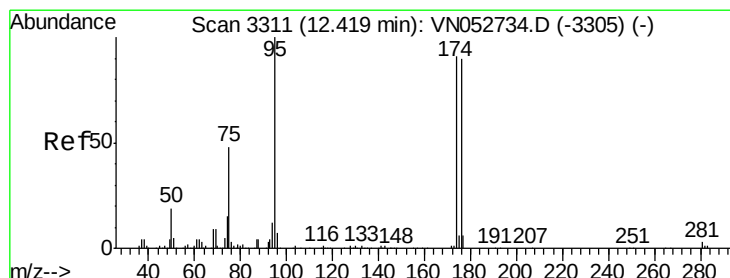
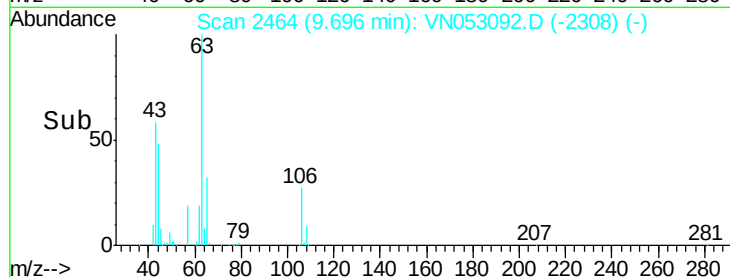
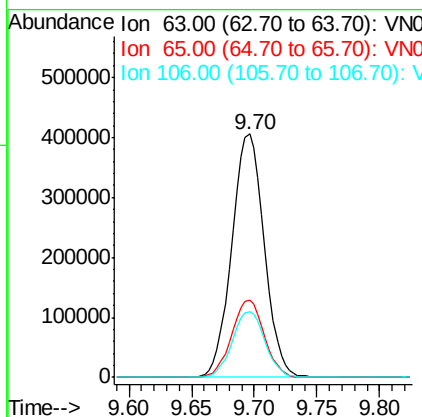
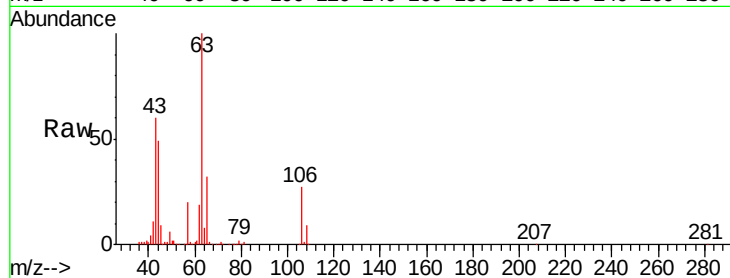
ClientSampleId :

VSTDCCC020

Tgt Ion:	63	Resp:	730587
Ion Ratio	Lower	Upper	
63	100		
65	31.9	25.4	38.2
106	27.3	20.4	30.6

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#56

Bromoform

Concen: 21.334 ug/l

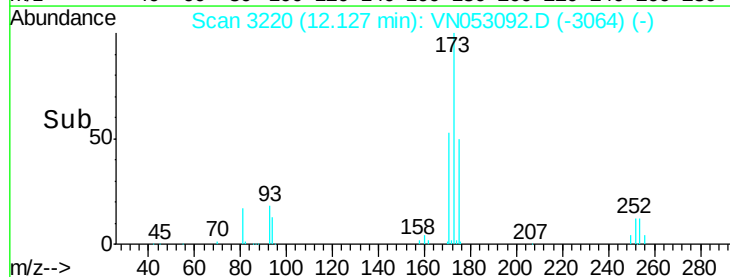
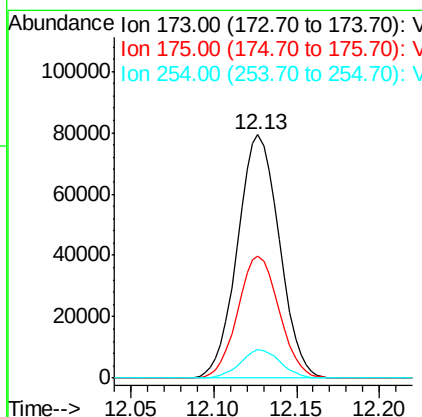
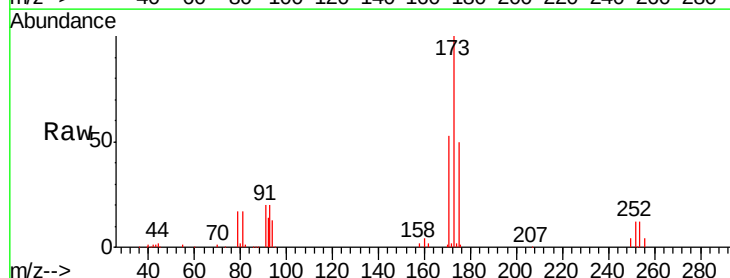
RT: 12.13 min Scan# 3220

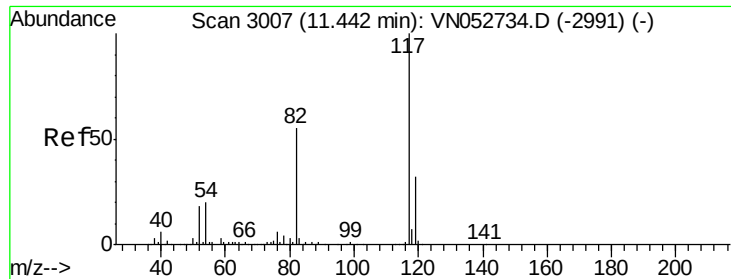
Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion:	173	Resp:	139559
Ion Ratio	Lower	Upper	
173	100		
175	49.5	38.7	58.1
254	11.2	8.4	12.6





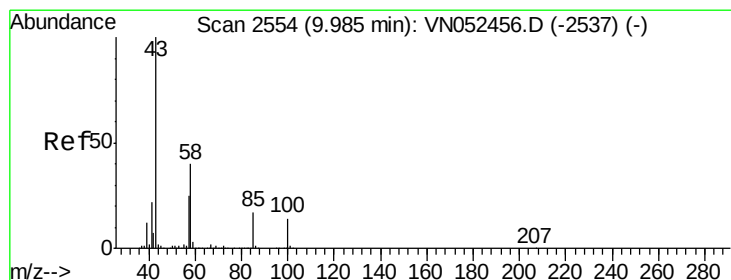
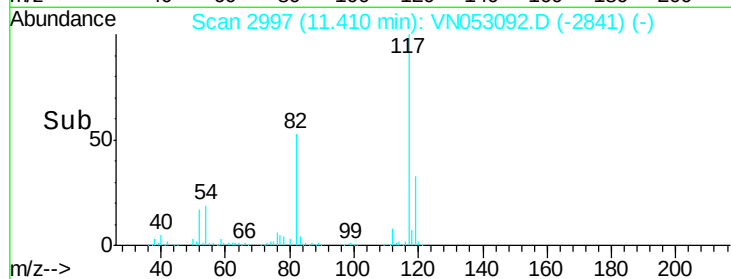
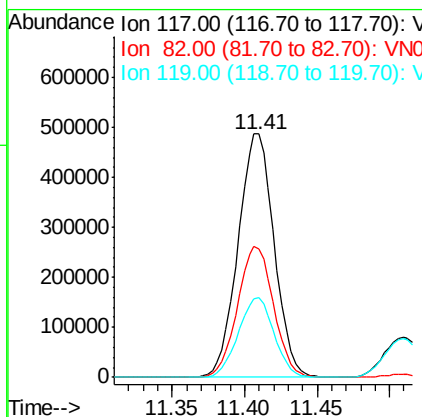
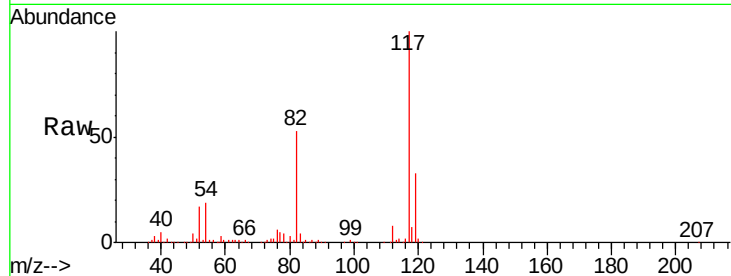
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.2	66.2
119	32.4	25.4	38.2

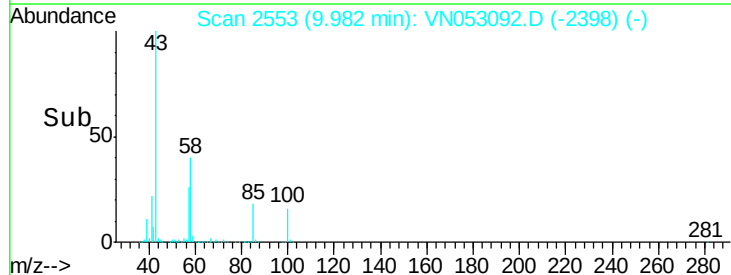
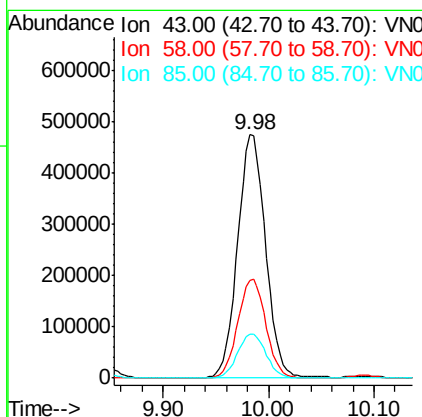
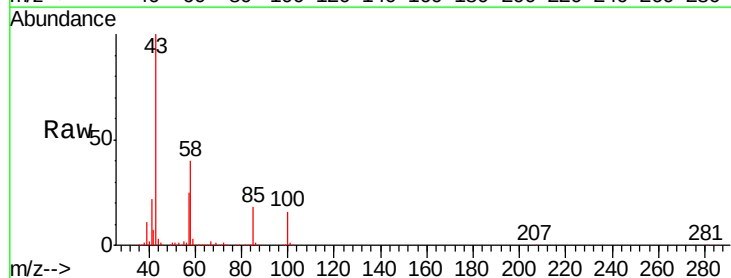
Manual Integrations
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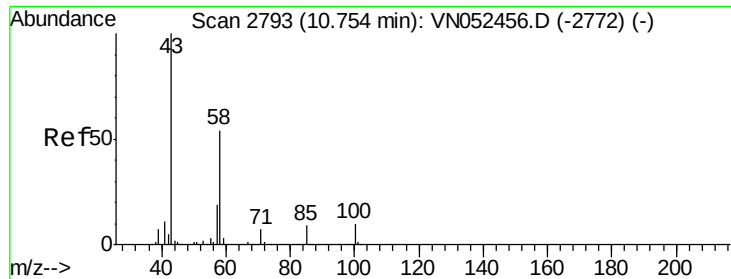
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#58
4-Methyl-2-Pentanone
Concen: 106.386 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4
85	18.5	13.3	19.9





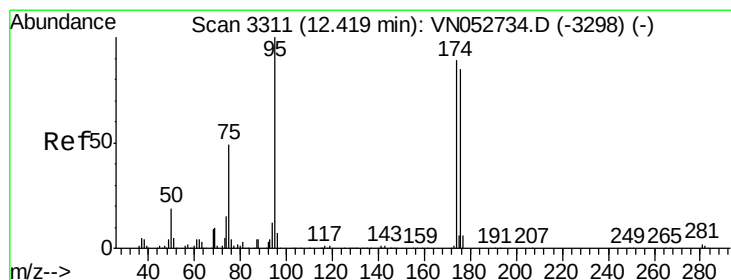
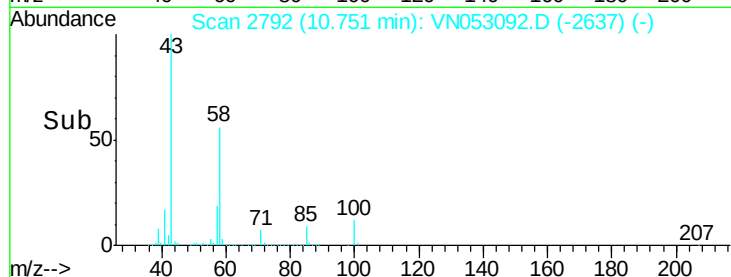
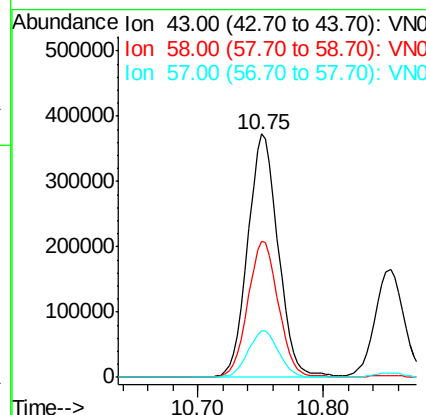
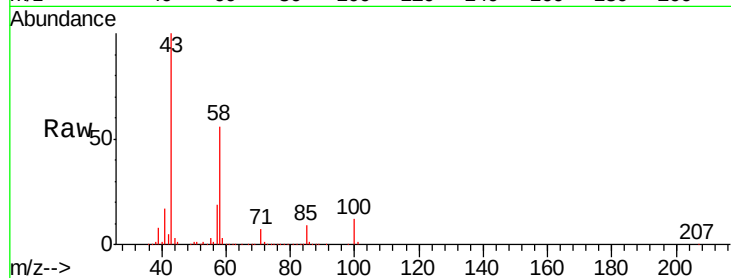
#59
2-Hexanone
Concen: 112.534 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.4	43.2	64.8
57	19.4	14.9	22.3

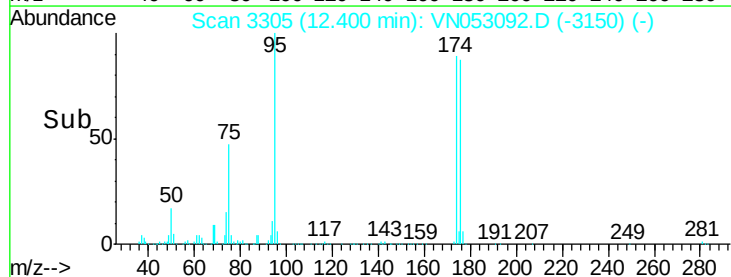
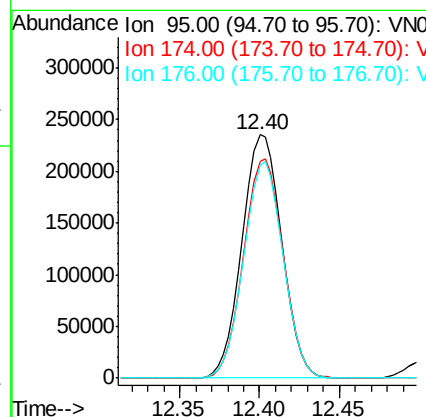
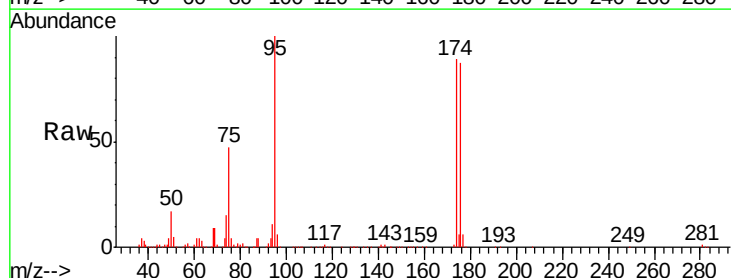
Manual Integrations
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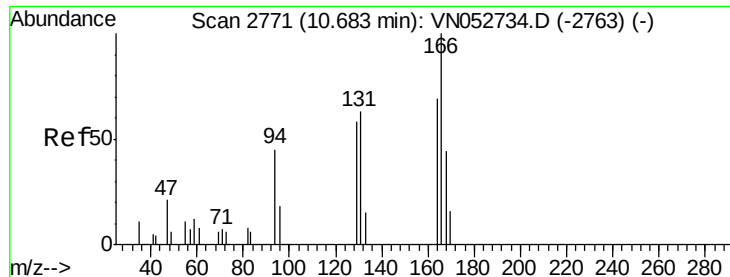
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 112.534 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	67.9	101.9
176	87.9	66.4	99.6





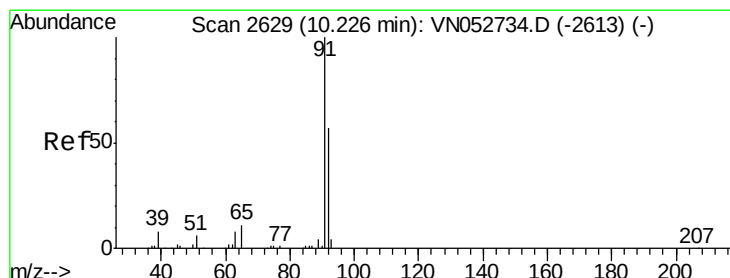
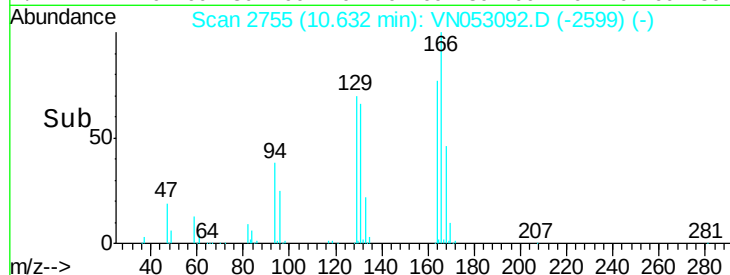
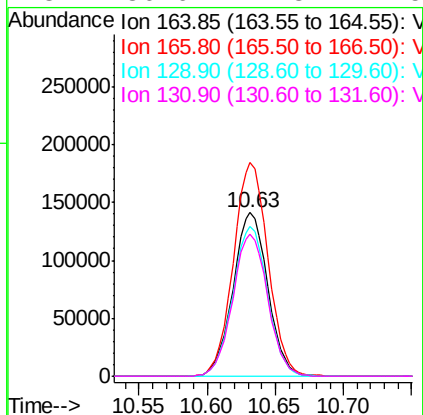
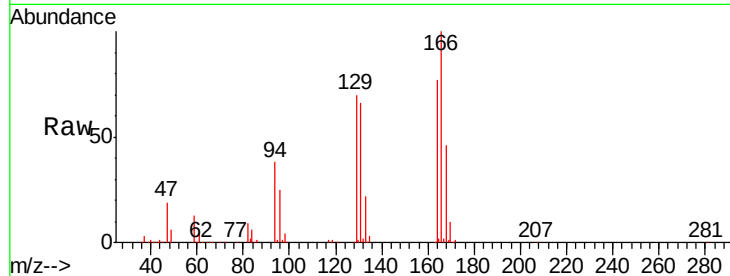
#61
Tetrachloroethene
Concen: 24.012 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.6	157.0
129	91.5	75.3	112.9
131	86.6	74.3	111.5

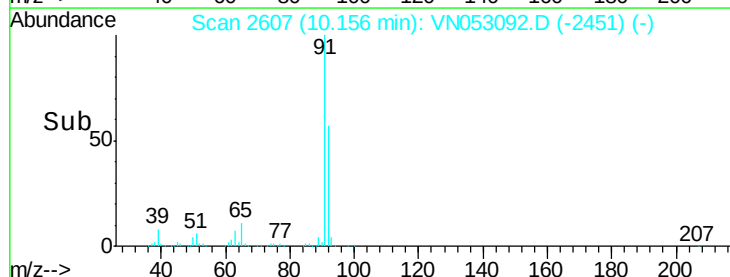
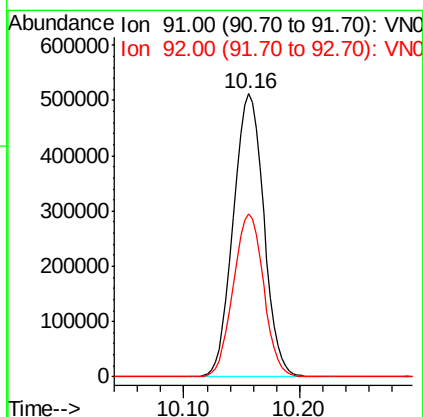
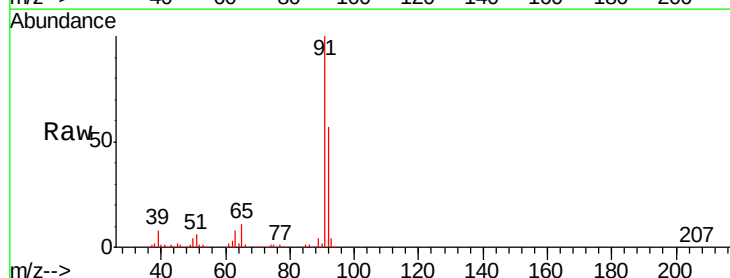
Manual Integrations
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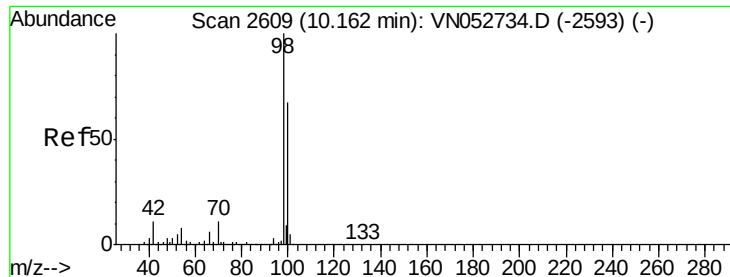
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#62
Toluene
Concen: 20.060 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.4	68.2





#63

Toluene-d8

Concen: 20.060 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 1125633

Ion Ratio Lower Upper

98 100

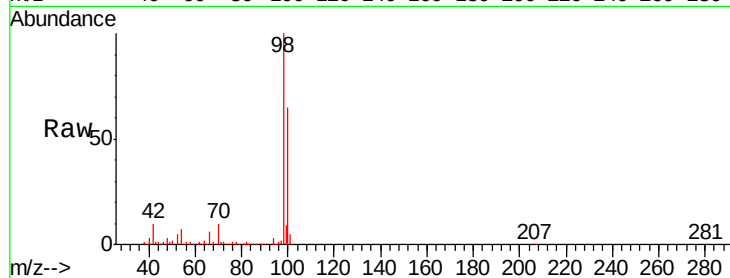
100 64.4 51.1 76.7

Manual Integrations

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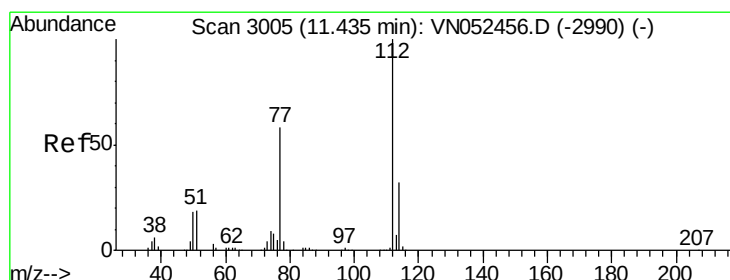
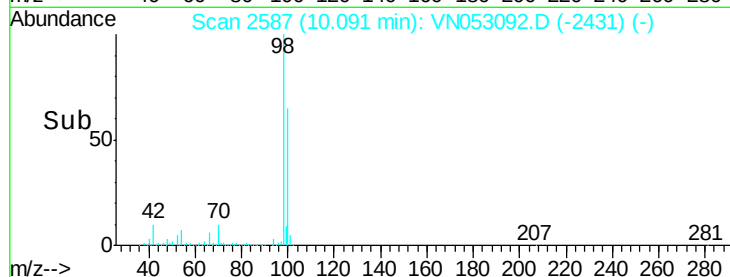
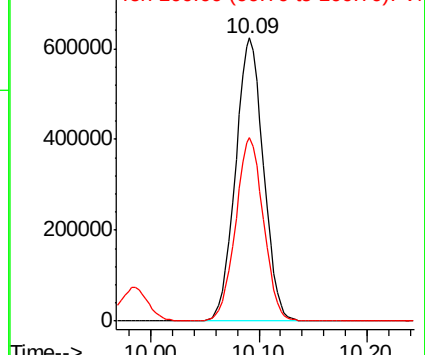
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Abundance Ion 98.00 (97.70 to 98.70): VN052734.D (-2593) (-)

Ion 100.00 (99.70 to 100.70): VN052734.D (-2593) (-)



#64

Chlorobenzene

Concen: 20.810 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053092.D

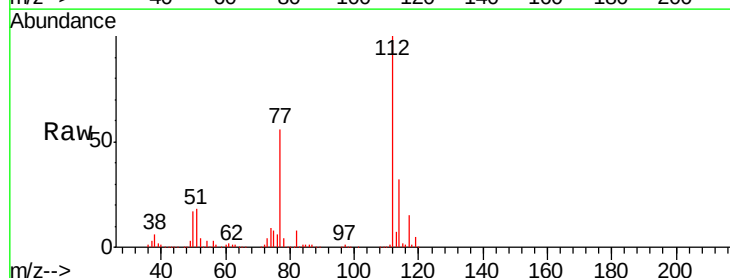
Acq: 21 Dec 2018 9:06

Tgt Ion: 112 Resp: 590798

Ion Ratio Lower Upper

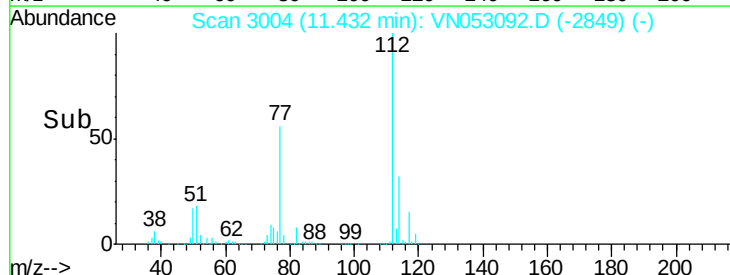
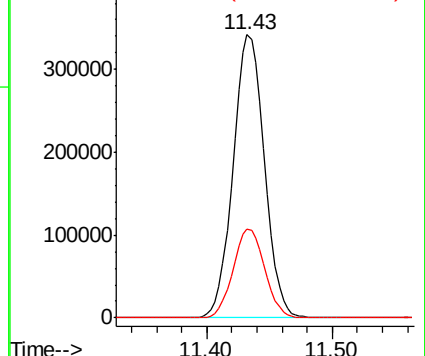
112 100

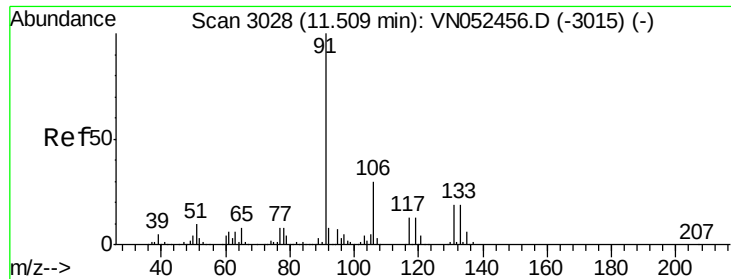
114 31.6 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 21.072 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

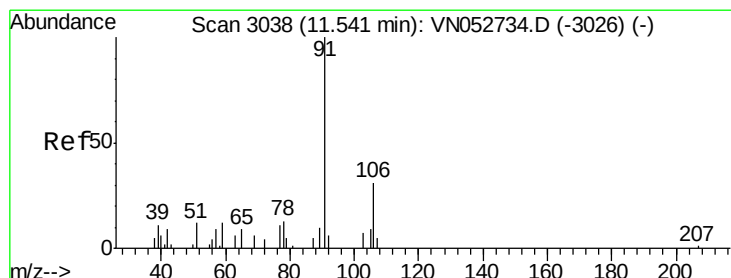
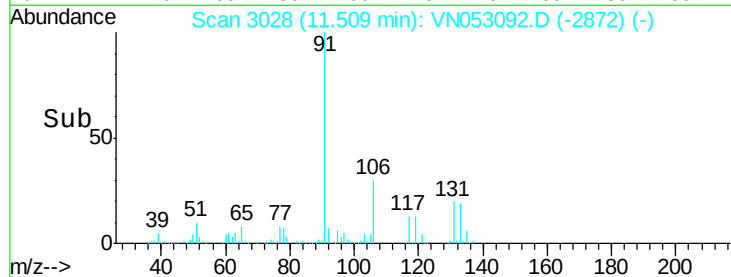
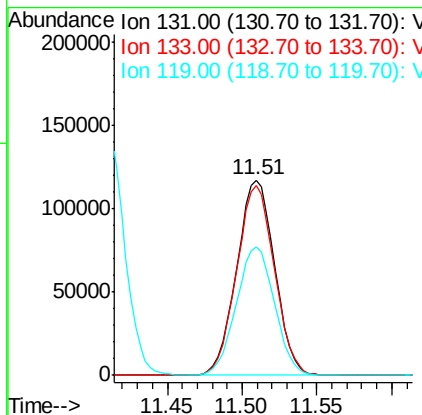
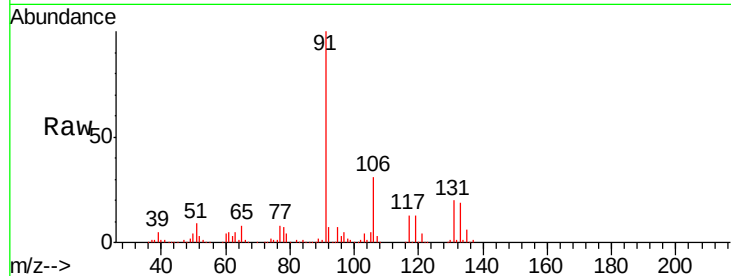
ClientSampleId :

VSTDCCC020

Tgt Ion:	131	Resp:	207646
Ion Ratio	Lower	Upper	
131	100		
133	96.6	0.0	193.4
119	66.4	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.363 ug/l

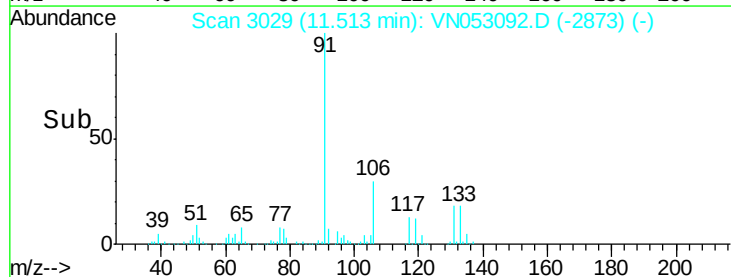
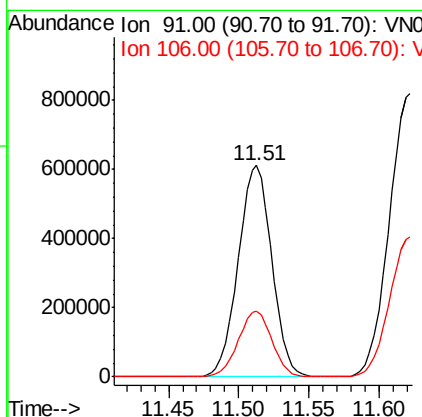
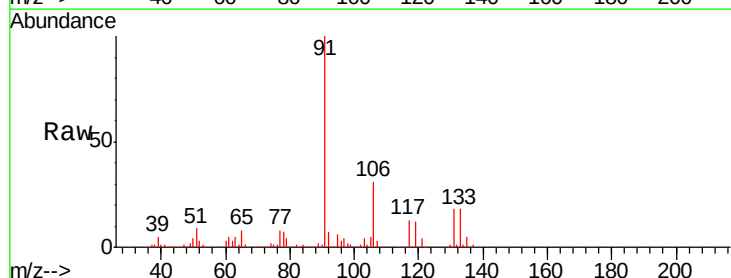
RT: 11.51 min Scan# 3029

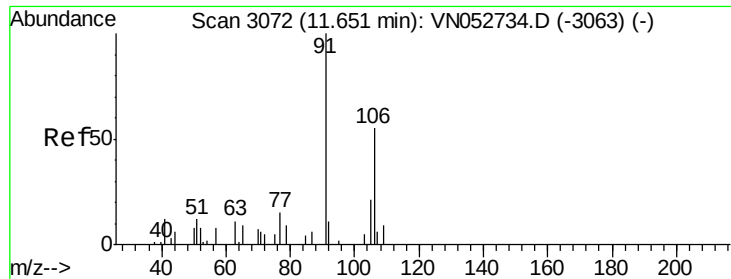
Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion:	91	Resp:	1020780
Ion Ratio	Lower	Upper	
91	100		
106	31.0	24.3	36.5





#67

m/p-Xylenes

Concen: 41.734 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:106 Resp: 779425

Ion Ratio Lower Upper

106 100

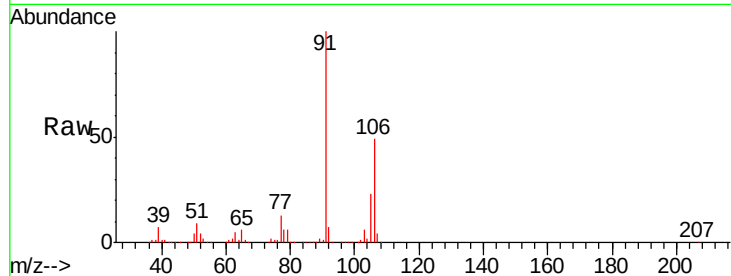
91 202.8 163.9 245.9

Manual Integrations

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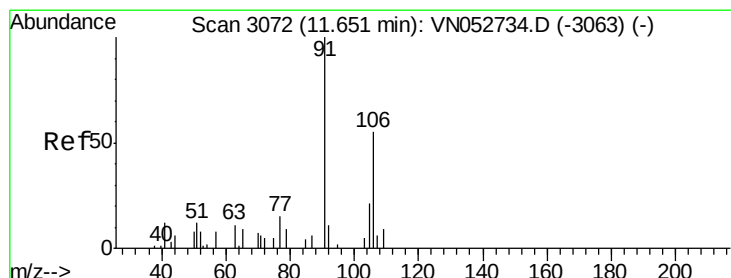
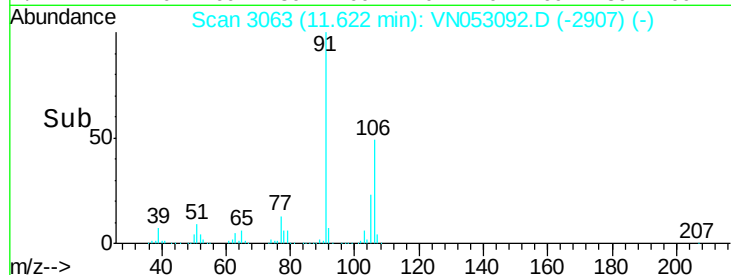
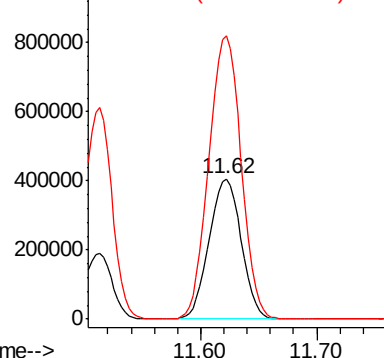
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 21.122 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053092.D

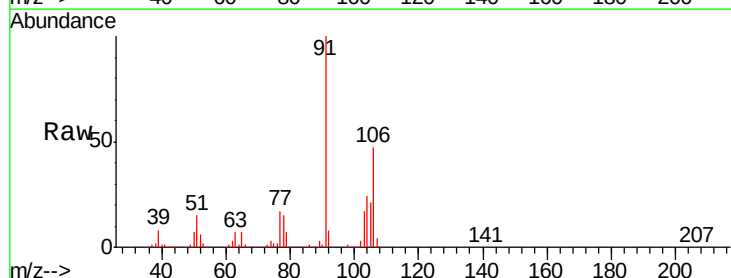
Acq: 21 Dec 2018 9:06

Tgt Ion:106 Resp: 382882

Ion Ratio Lower Upper

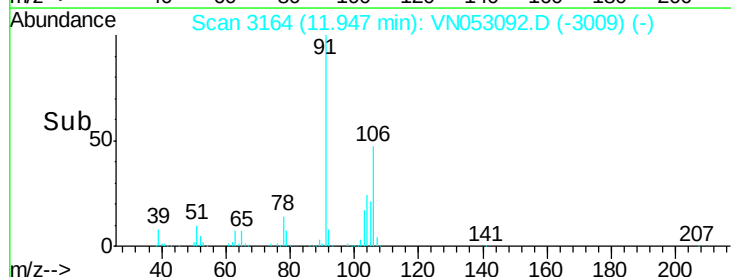
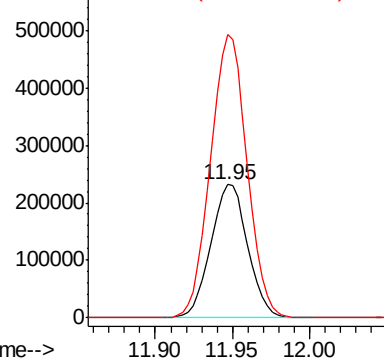
106 100

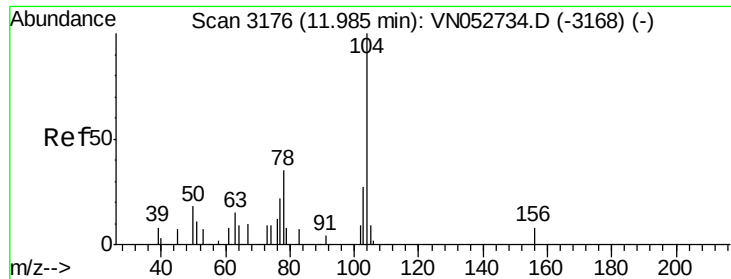
91 211.1 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





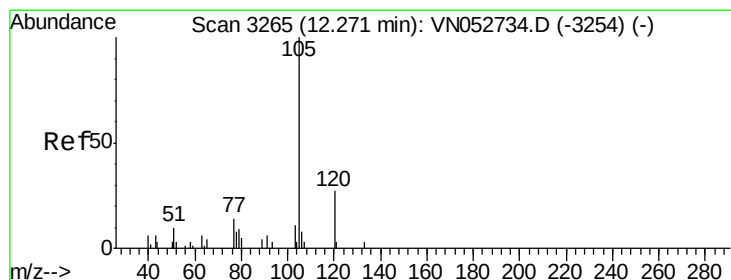
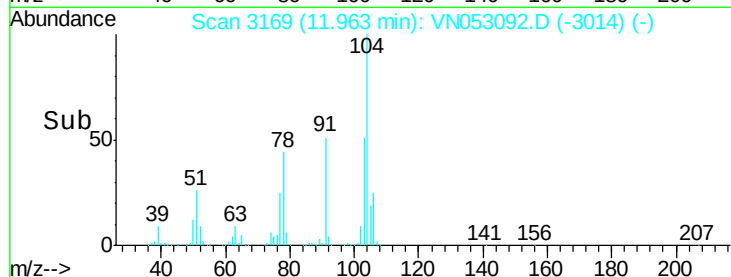
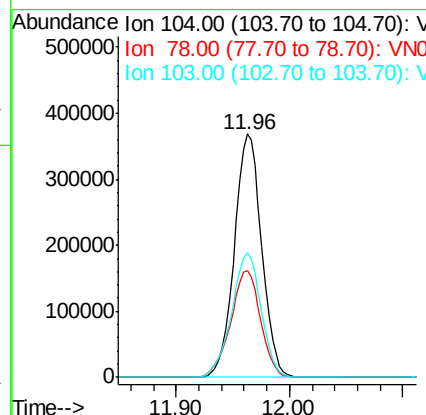
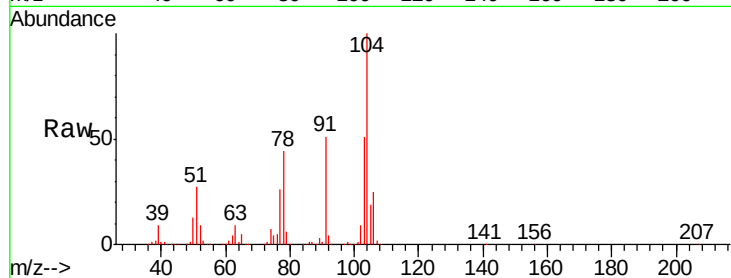
#69
Styrene
 Concen: 21.113 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.3	58.9
103	55.4	44.6	66.8

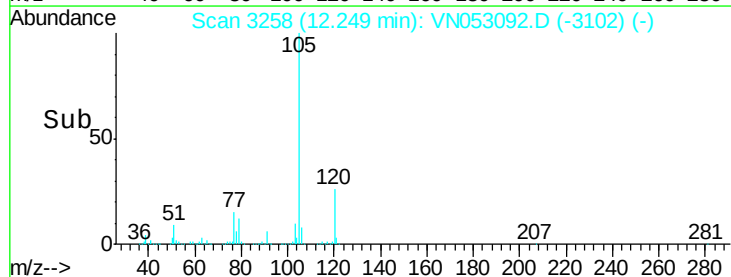
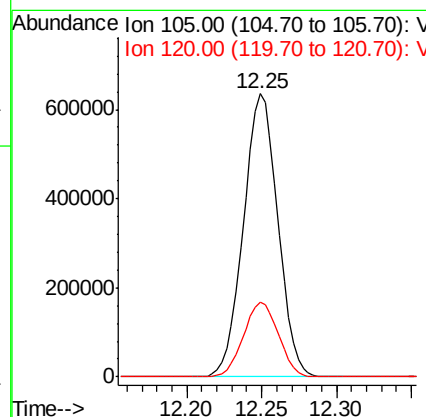
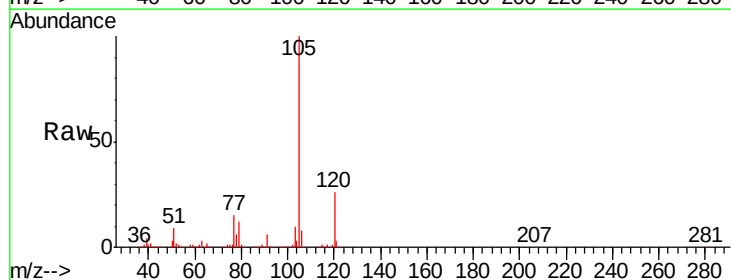
Manual Integrations
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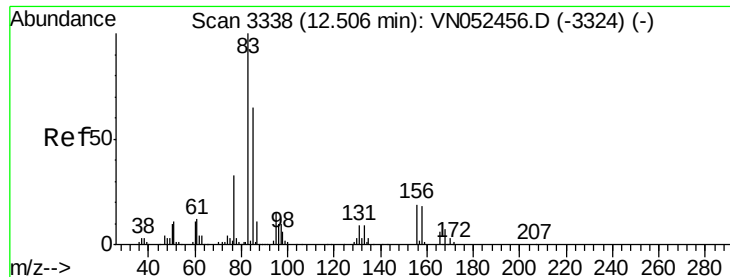
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 12/22/2018 10:06:08 AM



#70
Isopropylbenzene
 Concen: 21.066 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.6	34.6





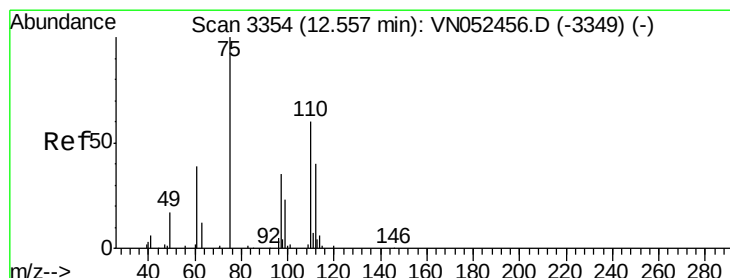
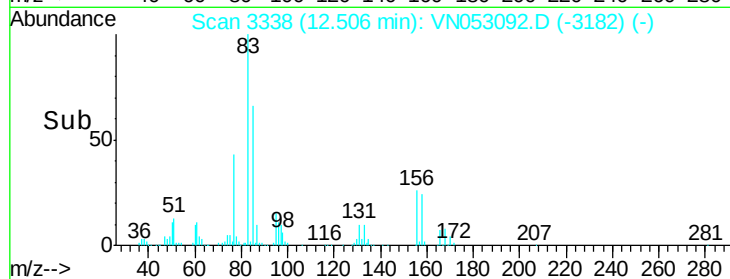
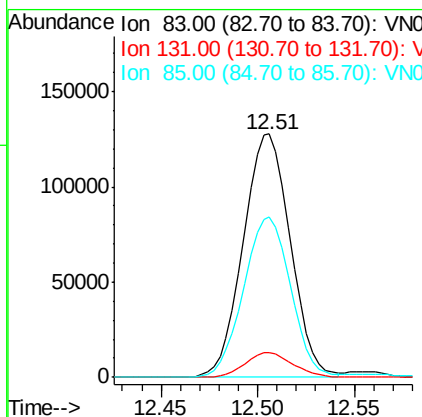
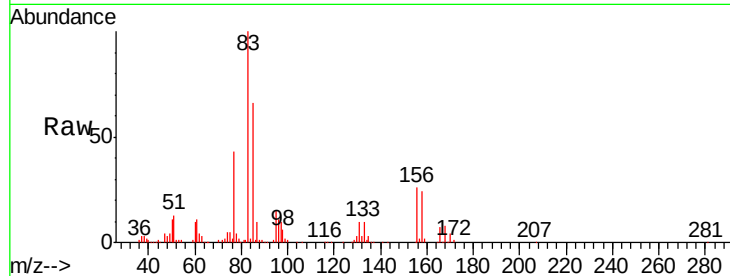
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.684 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.6
85	65.8	32.2	96.6

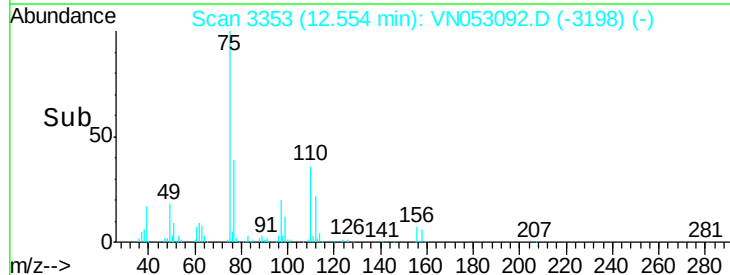
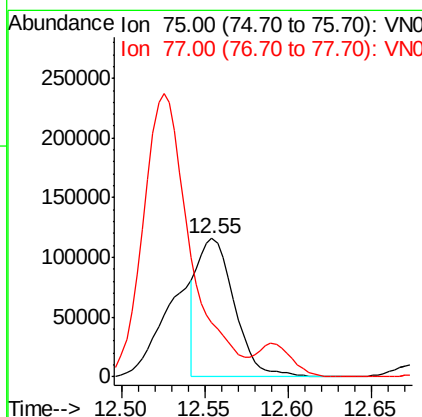
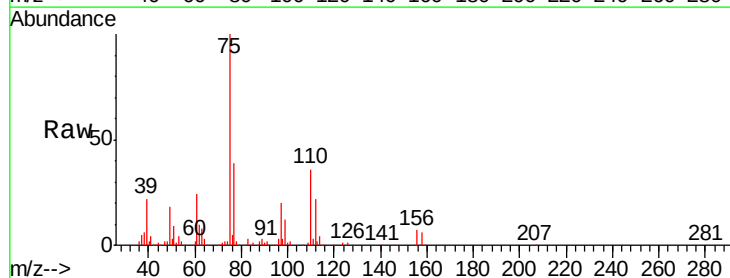
Manual Integrations
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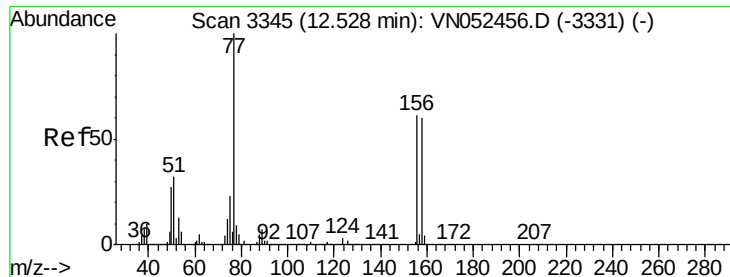
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#72
 1,2,3-Trichloropropane
 Concen: 19.955 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	260.0	0.0	514.8





#73

Bromobenzene

Concen: 22.702 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

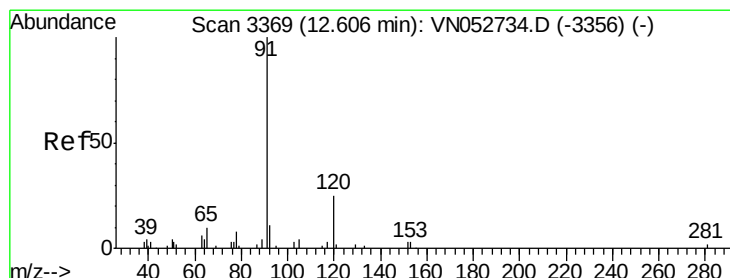
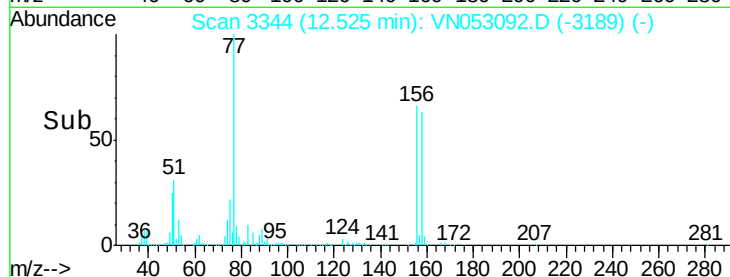
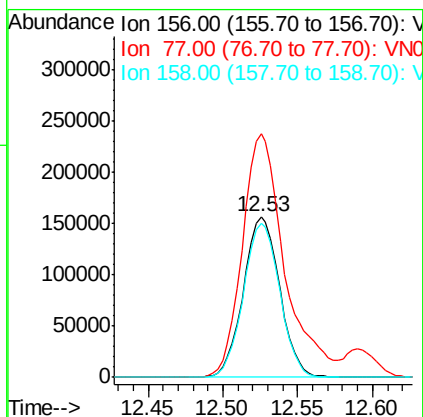
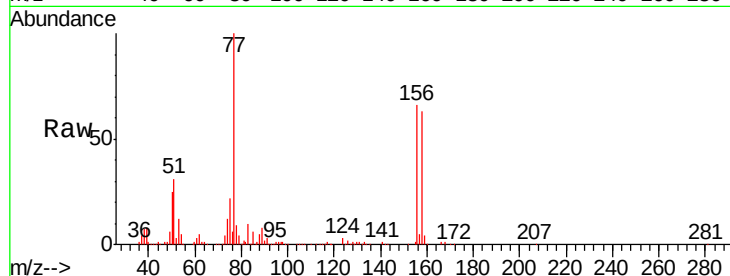
ClientSampleId :

VSTDCCC020

Tgt Ion:	156	Resp:	264819
Ion Ratio	Lower	Upper	
156	100		
77	176.4	0.0	382.6
158	95.6	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 20.610 ug/l

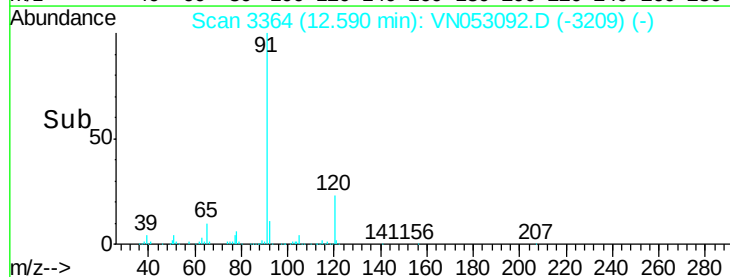
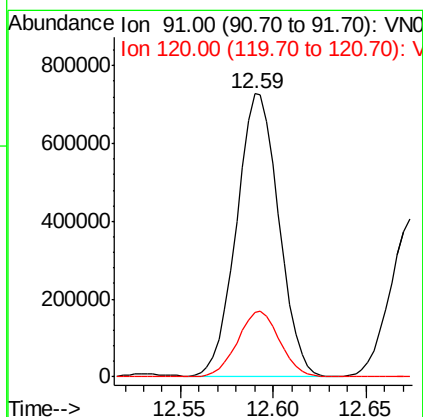
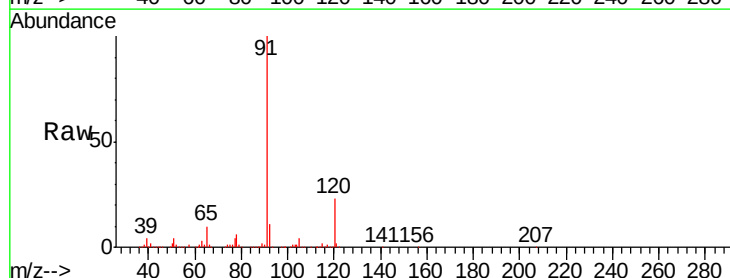
RT: 12.59 min Scan# 3364

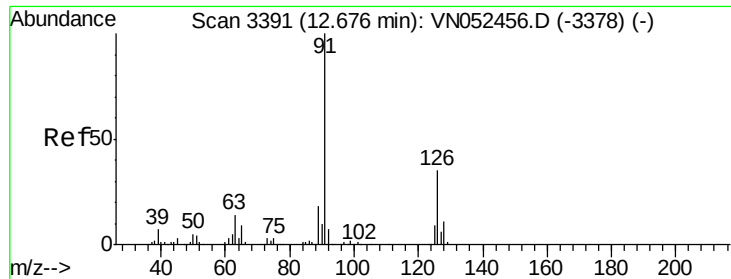
Delta R.T. -0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion:	91	Resp:	1158177
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	44.6





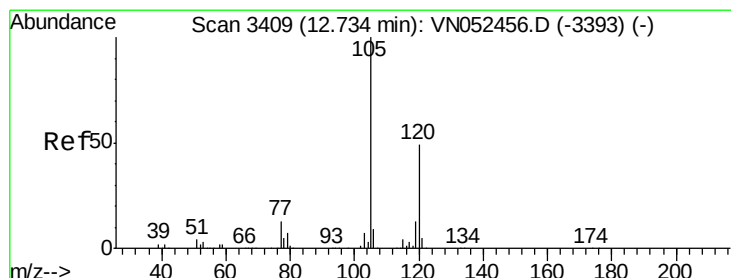
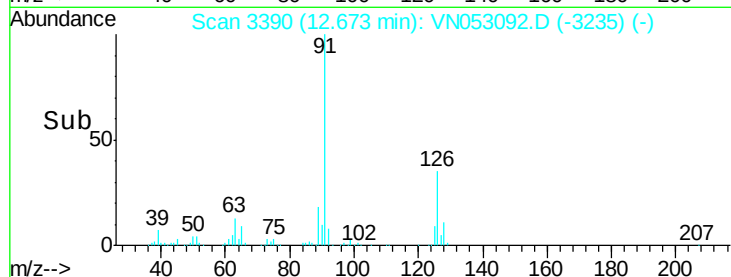
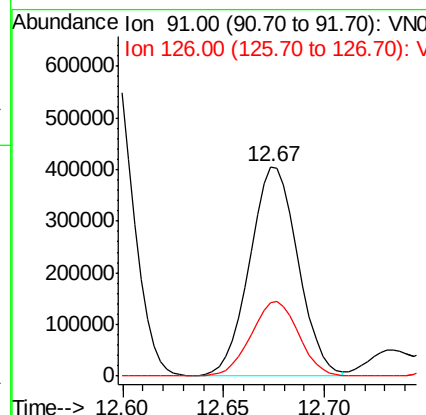
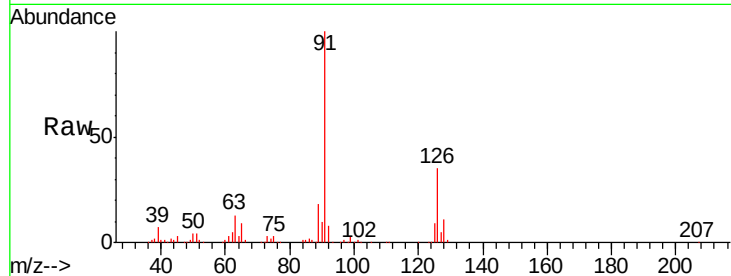
#75
 2-Chlorotoluene
 Concen: 20.871 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 91 Resp: 680765
 Ion Ratio Lower Upper
 91 100
 126 35.3 0.0 68.4

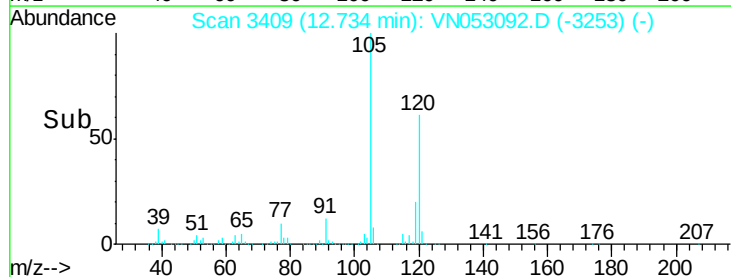
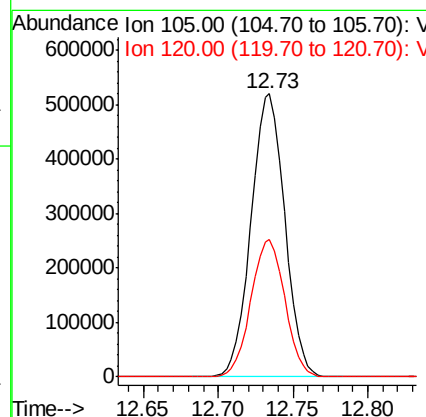
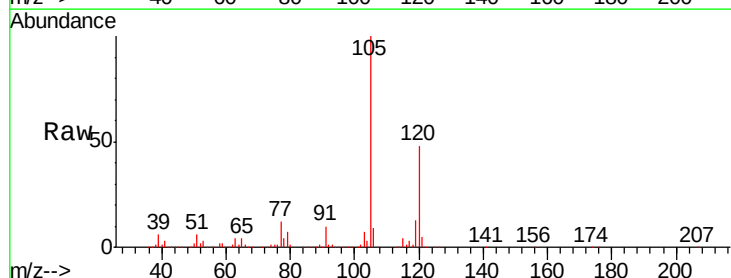
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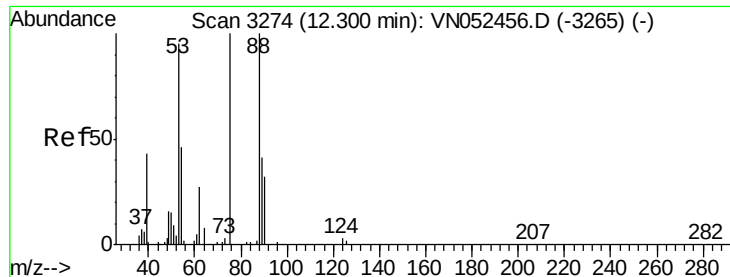
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#76
 1,3,5-Trimethylbenzene
 Concen: 20.970 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion: 105 Resp: 816899
 Ion Ratio Lower Upper
 105 100
 120 48.9 0.0 97.4





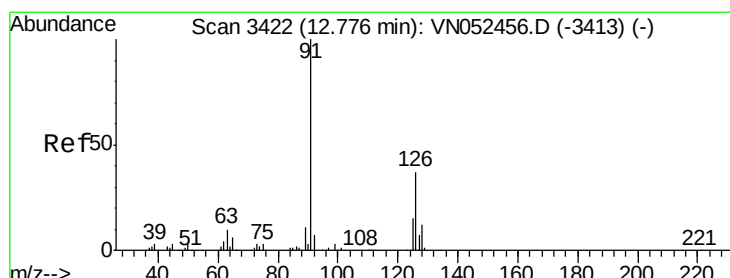
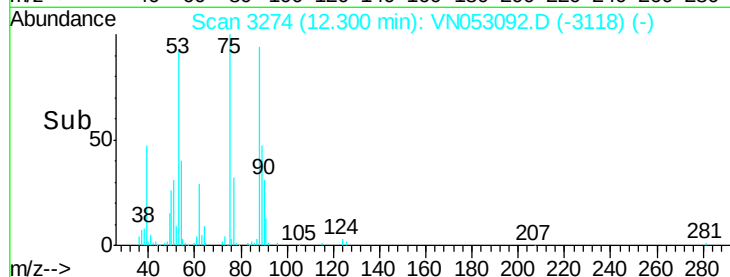
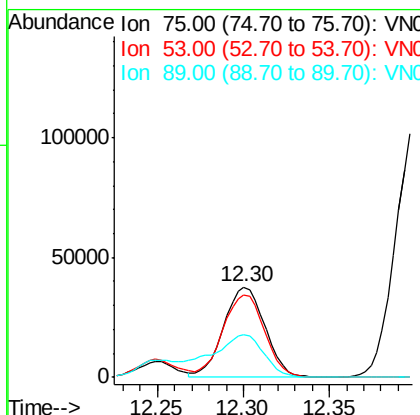
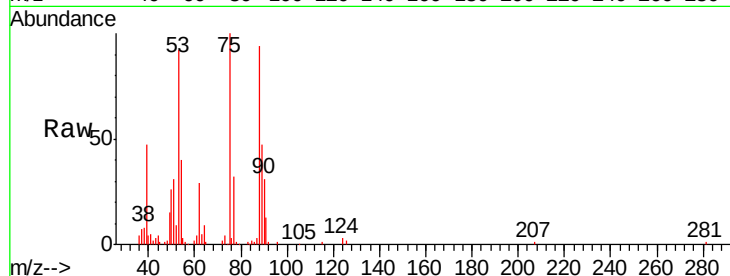
#77
t-1,4-Dichloro-2-butene
Concen: 22.221 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.8	48.5	145.6
89	46.9	21.7	65.1

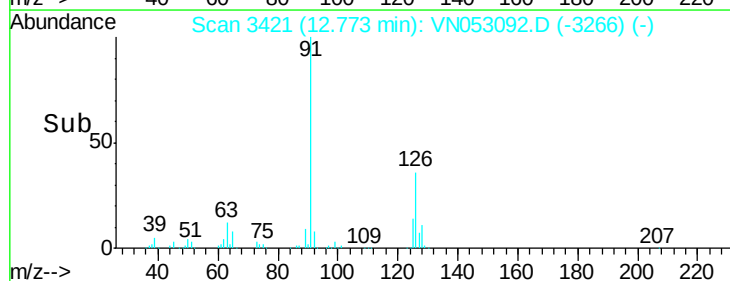
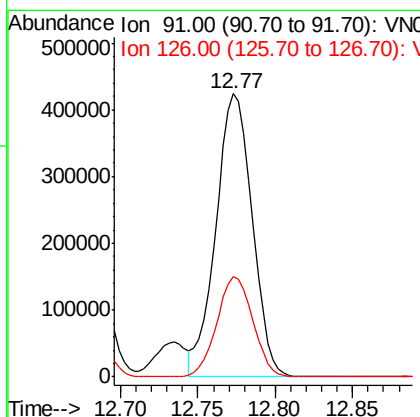
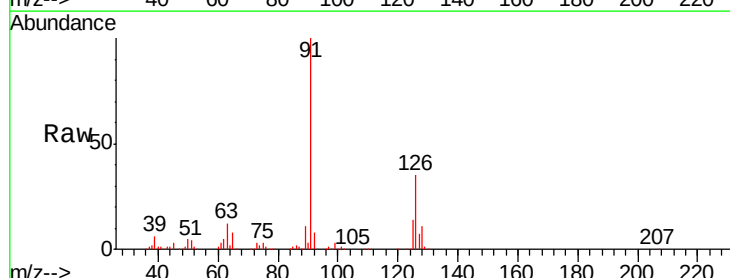
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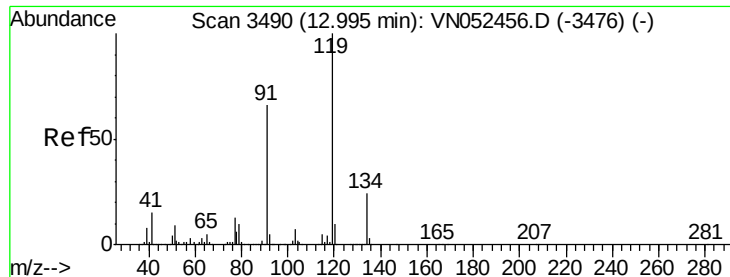
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#78
4-Chlorotoluene
Concen: 21.192 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	0.0	68.2





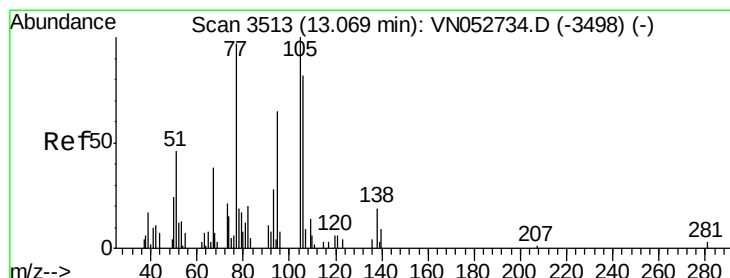
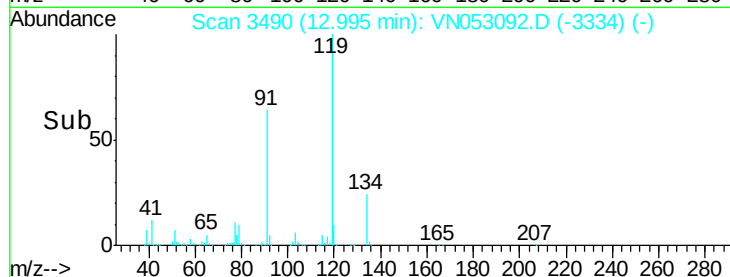
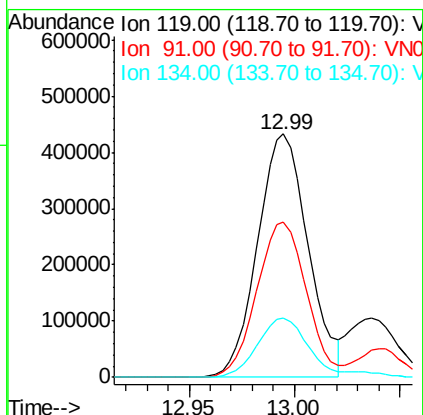
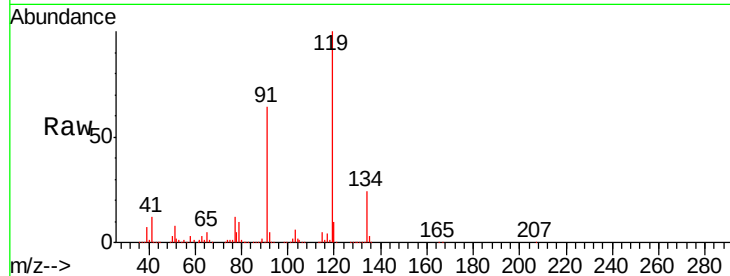
#79
tert-butylbenzene
Concen: 21.299 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	722576		
91	62.4	0.0	129.8	
134	25.7	0.0	52.2	

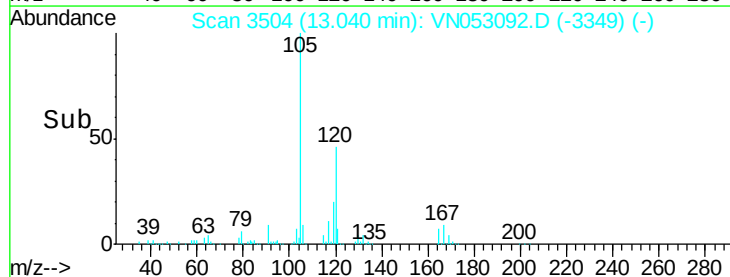
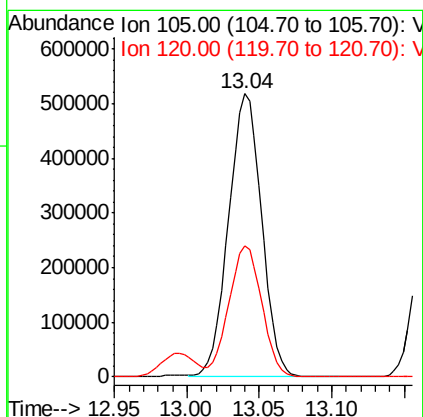
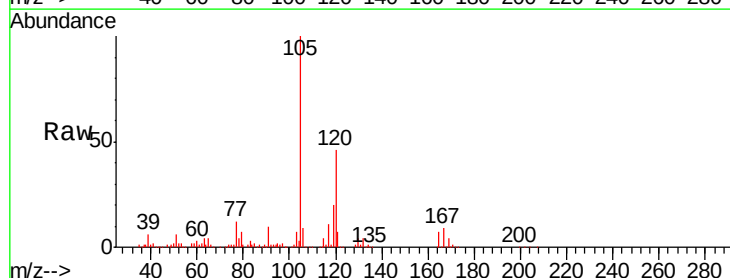
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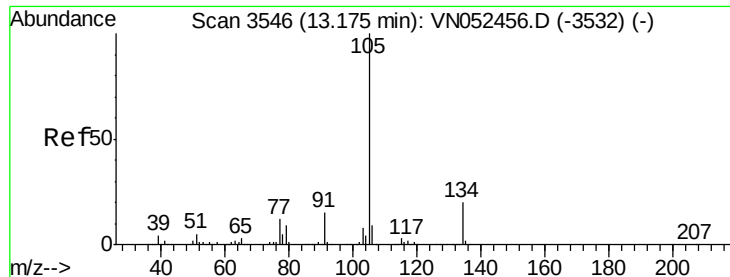
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#80
1,2,4-Trimethylbenzene
Concen: 21.061 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	820962		
120	46.3	0.0	91.0	





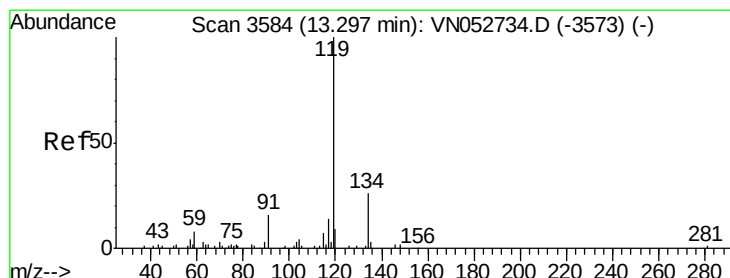
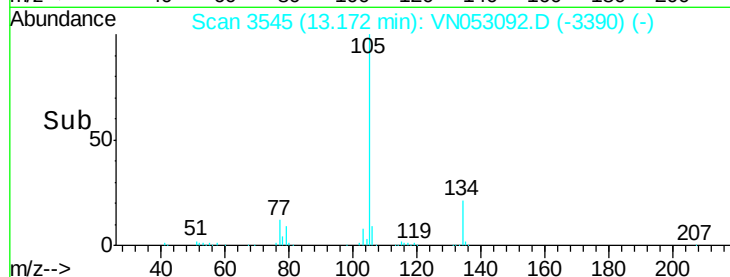
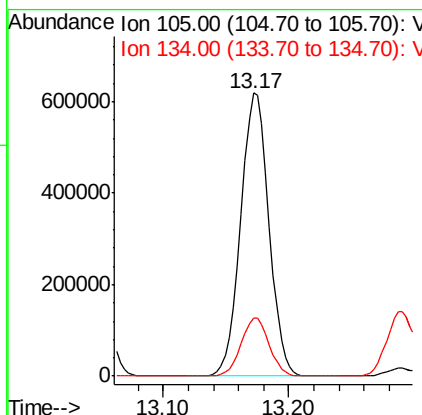
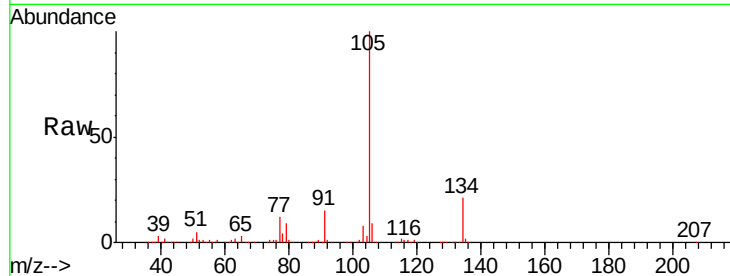
#81
 sec-Butylbenzene
 Concen: 20.463 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	0.0	40.4

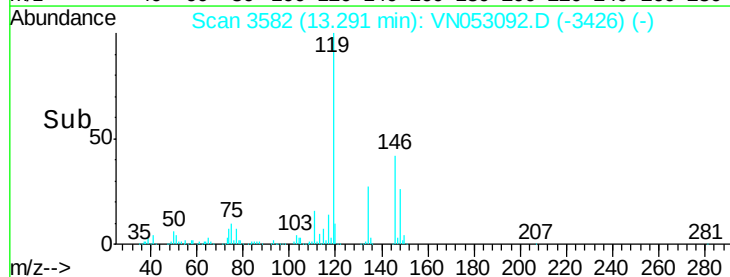
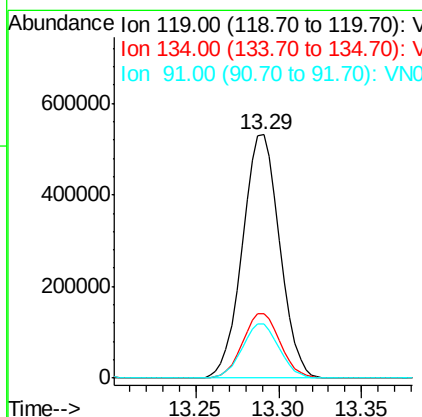
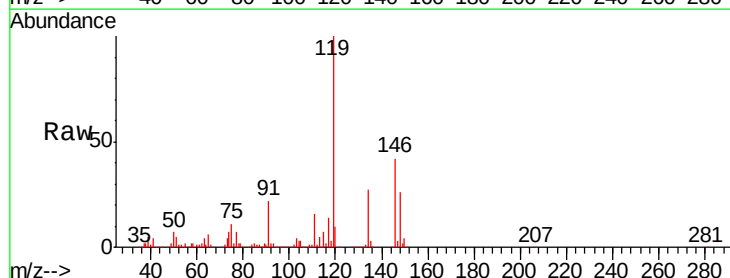
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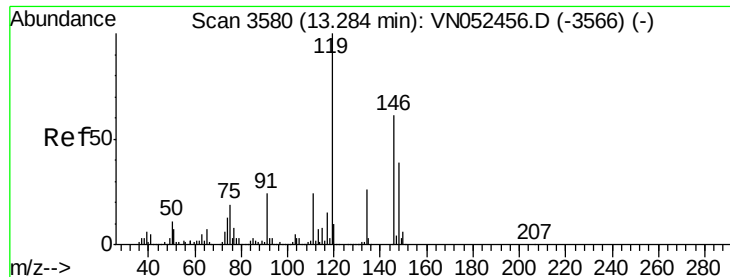
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 12/22/2018 10:06:08 AM



#82
 p-Isopropyltoluene
 Concen: 20.623 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.6
91	22.3	0.0	46.2





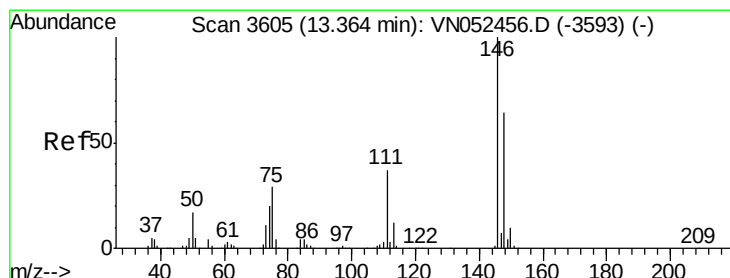
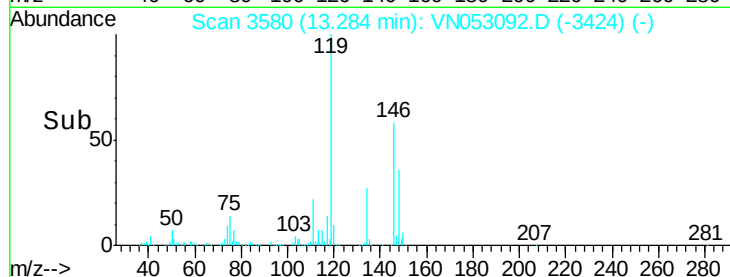
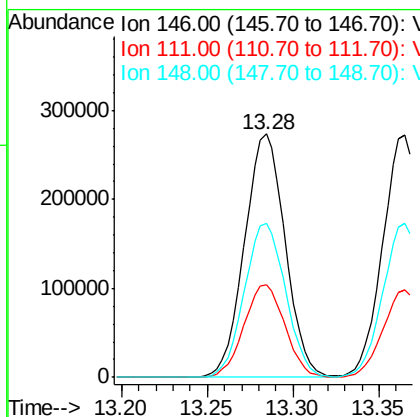
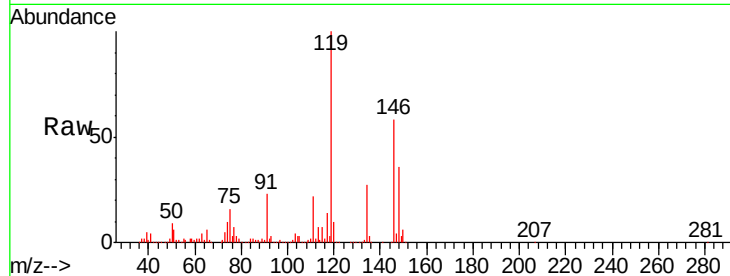
#83
 1,3-Dichlorobenzene
 Concen: 21.909 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	64.1	32.3	96.8

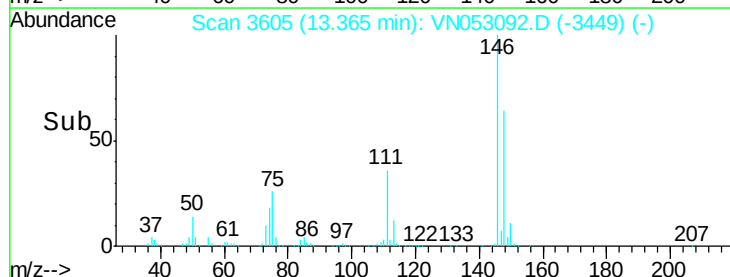
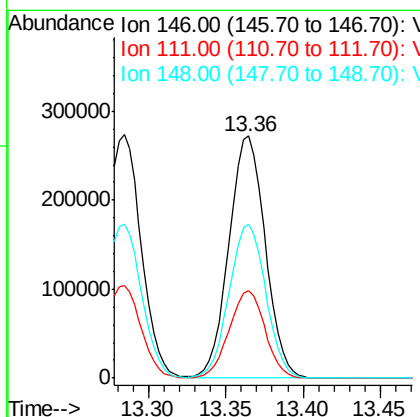
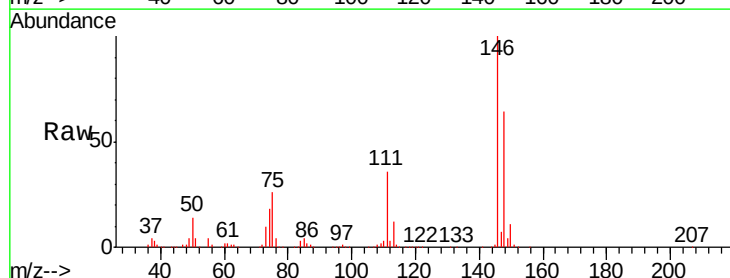
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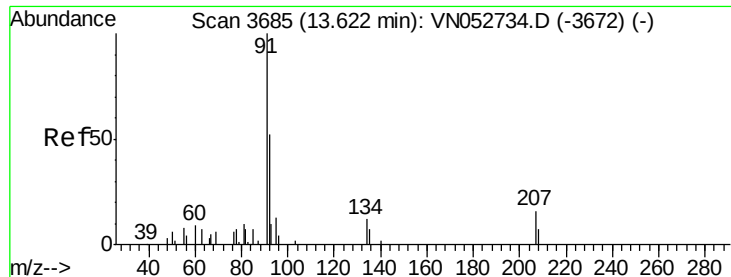
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#84
 1,4-Dichlorobenzene
 Concen: 22.402 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.8	56.3
148	64.0	32.5	97.4





#85

n-Butylbenzene

Concen: 19.806 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

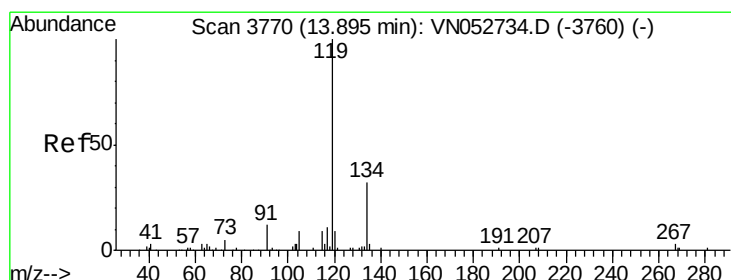
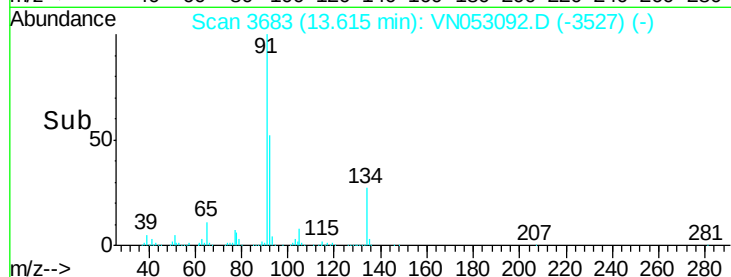
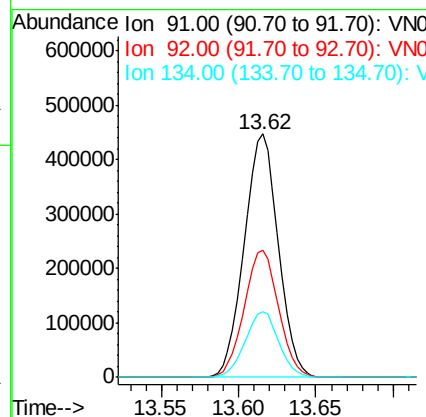
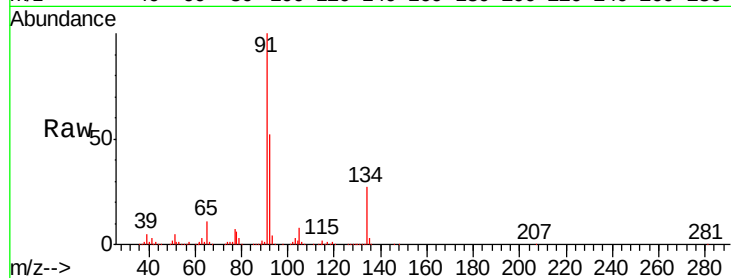
ClientSampleId :

VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	0.0	104.2
134	26.7	0.0	50.6

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#86

Hexachloroethane

Concen: 18.612 ug/l

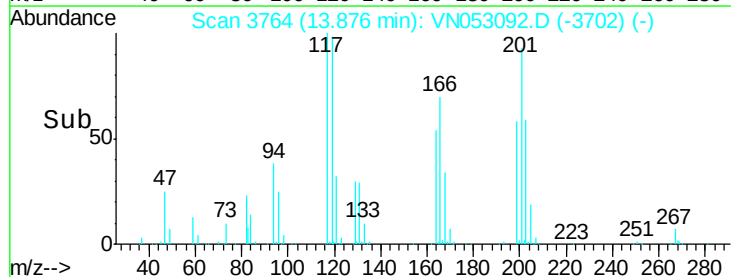
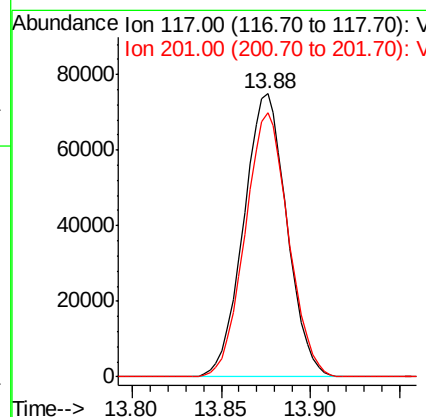
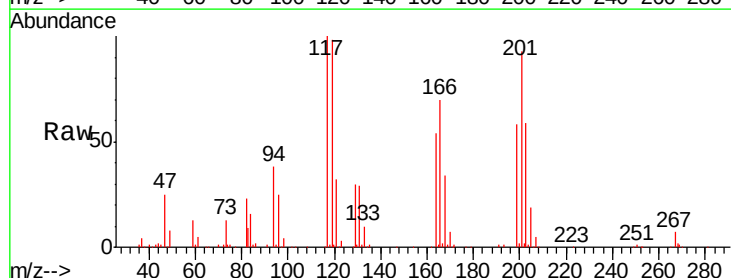
RT: 13.88 min Scan# 3764

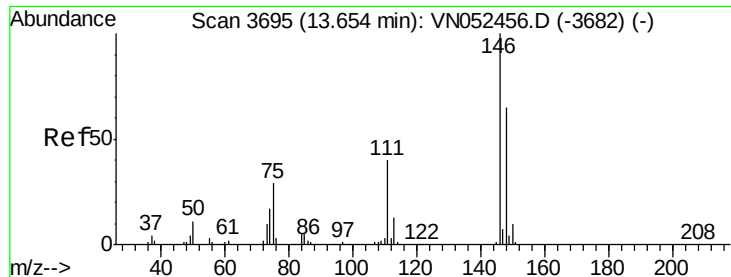
Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.5	43.8	131.3





#87

1,2-Dichlorobenzene

Concen: 21.931 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Instrument :

MSVOA_N

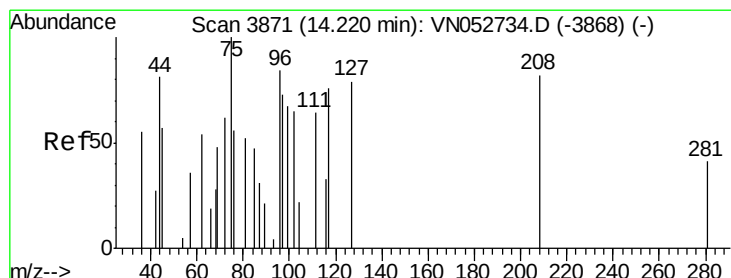
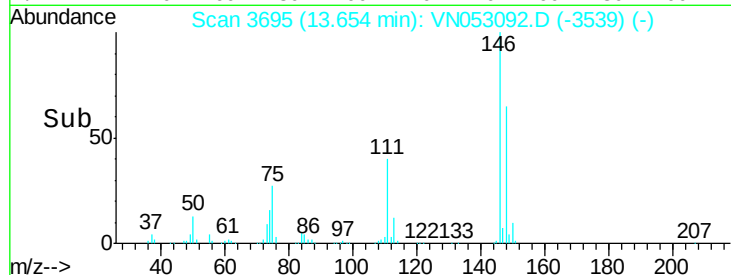
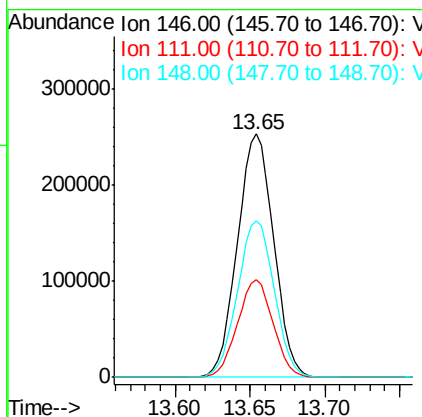
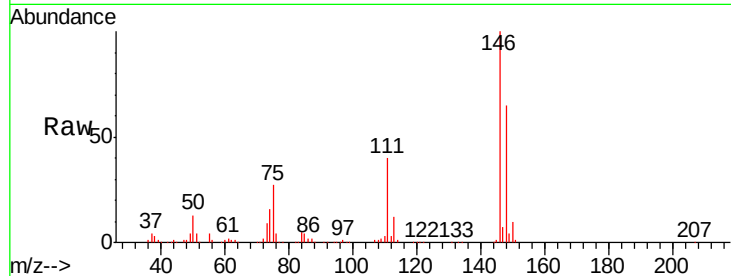
ClientSampleId :

VSTDCCC020

Tgt Ion:	146	Resp:	428162
Ion Ratio	Lower	Upper	
146	100		
111	39.3	20.3	60.8
148	64.9	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 21.940 ug/l

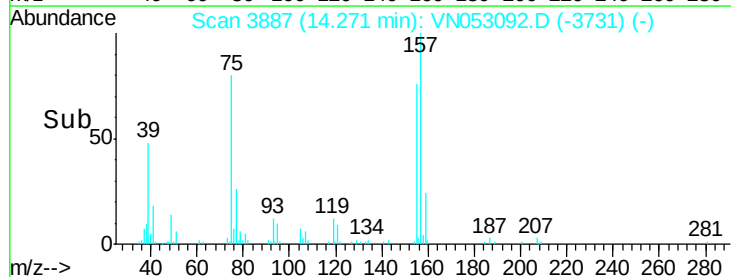
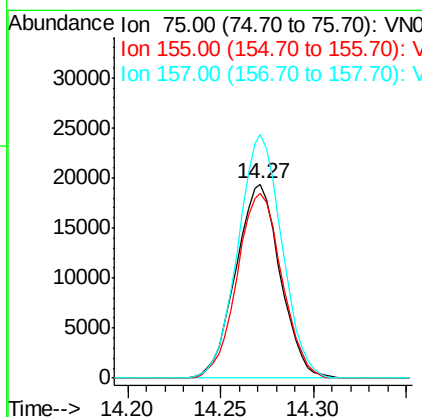
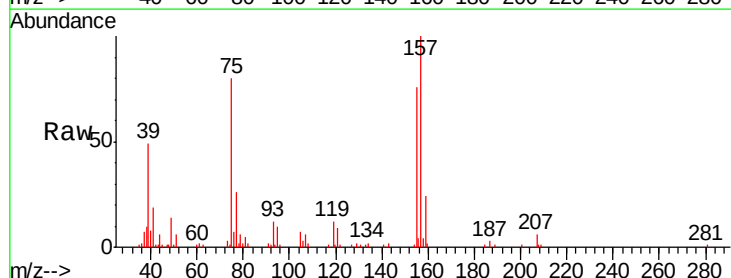
RT: 14.27 min Scan# 3887

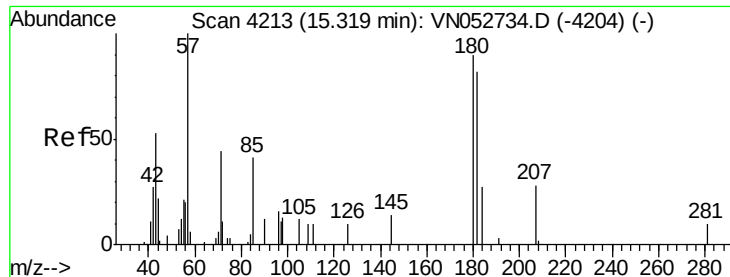
Delta R.T. 0.00 min

Lab File: VN053092.D

Acq: 21 Dec 2018 9:06

Tgt Ion:	75	Resp:	32244
Ion Ratio	Lower	Upper	
75	100		
155	95.9	72.2	108.2
157	124.1	94.2	141.2





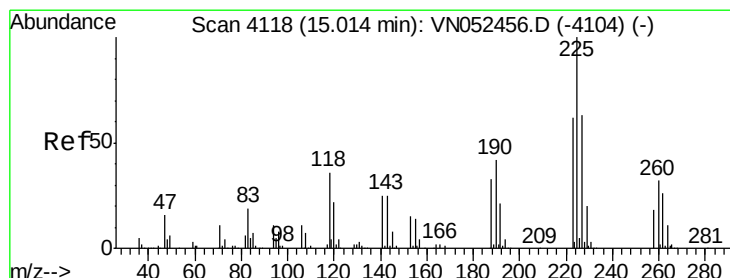
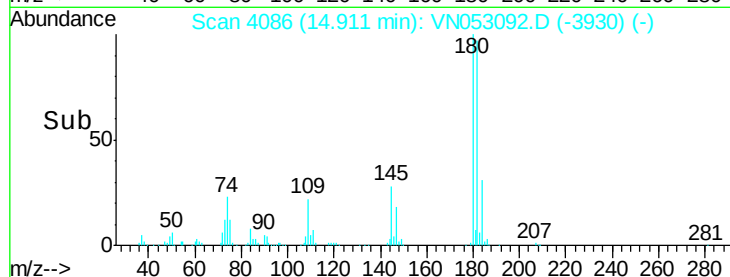
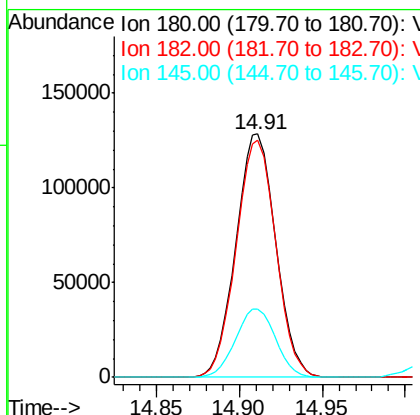
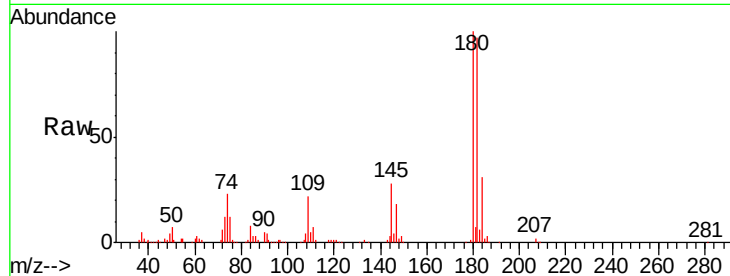
#89
 1,2,4-Trichlorobenzene
 Concen: 22.351 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	214980		
182	96.9	76.6	114.8	
145	28.4	23.6	35.4	

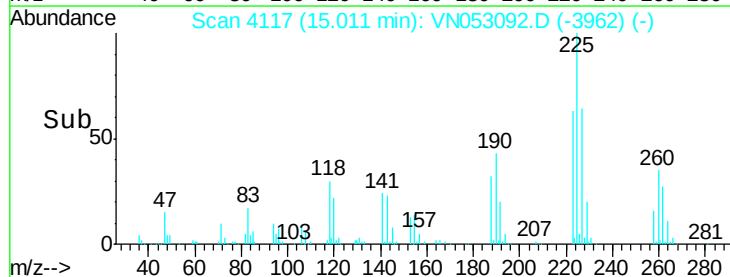
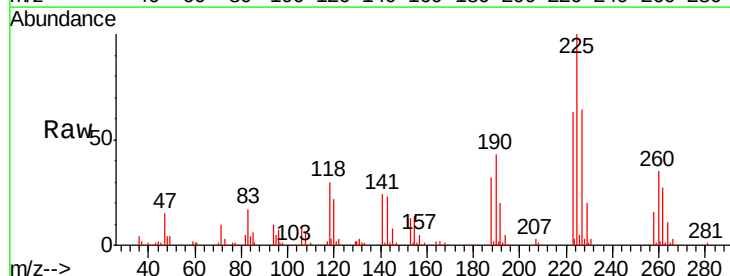
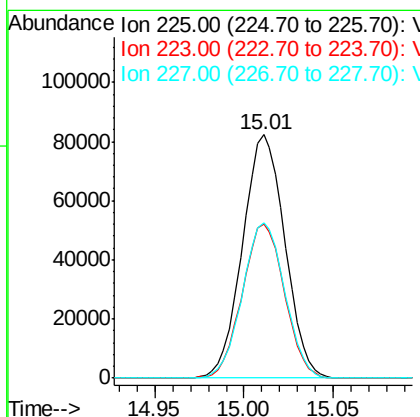
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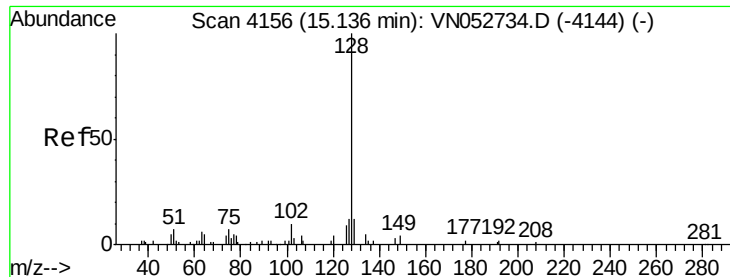
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#90
 Hexachlorobutadiene
 Concen: 21.658 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053092.D
 Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	136654		
223	62.9	0.0	125.6	
227	63.6	0.0	127.8	





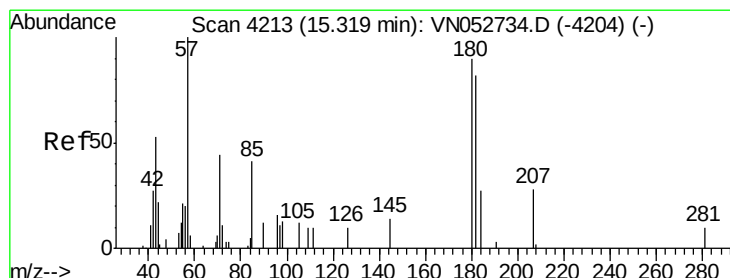
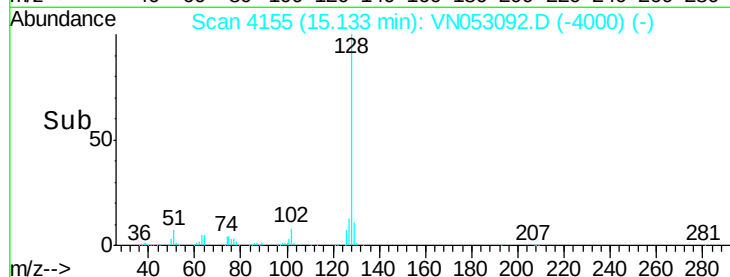
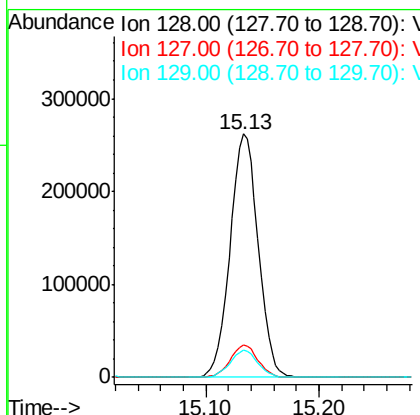
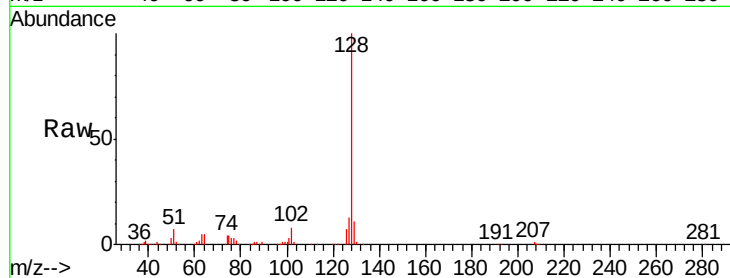
#91
Naphthalene
Concen: 23.257 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.0	9.9	14.9
129	10.9	8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 21.708 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053092.D
Acq: 21 Dec 2018 9:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.8	0.0	196.2
145	29.6	0.0	62.2

