

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052616.D
 Acq On : 30 Nov 2018 19:21
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:43 AM

Quant Time: Dec 01 02:36:44 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	160778	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	929081	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	813348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	329402	30.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.23%
60) 4-Bromofluorobenzene	12.40	95	371044	29.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.47%
63) Toluene-d8	10.09	98	1115104	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	171520	18.731 ug/l	98
3) Chloromethane	2.06	50	228141	18.786 ug/l	100
4) Vinyl Chloride	2.19	62	236601	19.304 ug/l	97
5) Bromomethane	2.58	94	139684	19.987 ug/l	99
6) Chloroethane	2.71	64	144236	19.788 ug/l	100
7) Trichlorofluoromethane	3.02	101	296403	19.595 ug/l	99
8) Diethyl Ether	3.41	74	113598	20.338 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	184513	19.242 ug/l	95
10) 1,1-Dichloroethene	3.74	96	180302	19.998 ug/l	99
11) Methyl Iodide	3.96	142	270185	21.583 ug/l	99
12) Methyl Acetate	4.33	43	166992	21.799 ug/l	99
13) Acrolein	3.61	56	82823	92.039 ug/l	100
14) Acrylonitrile	4.99	53	341095	104.500 ug/l	98
15) Acetone	3.82	58	77708	91.927 ug/l	98
16) Carbon Disulfide	4.06	76	515356	18.054 ug/l	99
17) Allyl chloride	4.33	41	284302	18.081 ug/l	98
18) Methylene Chloride	4.56	84	214895	20.585 ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	191955	19.783 ug/l	96
20) Diisopropyl ether	5.95	45	646574	19.568 ug/l	99
21) 1,1-Dichloroethane	5.85	63	371414	19.721 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	217998	19.604 ug/l	98
23) tert-Butyl Alcohol	4.78	59	59737	123.027 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	500219	21.149 ug/l	98
25) Chloroform	7.37	83	364188	20.045 ug/l	99
26) Cyclohexane	7.65	56	338025	19.030 ug/l	# 100
29) 1,1-Dichloropropene	7.80	75	276990	19.523 ug/l	99
30) 2-Butanone	6.84	43	384125	101.179 ug/l	99
31) 2,2-Dichloropropane	6.83	77	248691	19.040 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	301609	20.430 ug/l	98
33) Carbon Tetrachloride	7.78	117	257346	19.923 ug/l	100
34) Benzene	8.04	78	845431	19.819 ug/l	99
35) Methacrylonitrile	7.18	41	95834	20.346 ug/l	97
36) 1,2-Dichloroethane	8.13	62	261391	20.222 ug/l	99
37) Trichloroethene	8.84	130	216786	20.042 ug/l	97
38) Methylcyclohexane	9.08	83	328793	18.720 ug/l	98
39) 1,2-Dichloropropane	9.12	63	224709	19.652 ug/l	98
40) Dibromomethane	9.21	93	128421	20.783 ug/l	98

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41) Bromodichloromethane	9.40	83	268656	19.679	ug/l	100
42) Vinyl Acetate	5.90	43	2075454	101.038	ug/l	99
43) Ethyl Acetate	6.93	43	173595	21.504	ug/l #	69
44) Isopropyl Acetate	8.17	43	331603	23.421	ug/l	98
45) 1,4-Dioxane	9.20	88	36987	477.534	ug/l	95
46) Methyl methacrylate	9.20	41	155987	21.219	ug/l	99
47) n-amyl Acetate	12.07	43	247993	21.126	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	264052	19.948	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	313769	19.456	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	183656	20.968	ug/l	100
51) Ethyl methacrylate	10.43	69	233454	21.222	ug/l	97
52) 1,3-Dichloropropane	10.71	76	319531	20.495	ug/l	98
53) Dibromochloromethane	10.90	129	196055	20.331	ug/l	98
54) 1,2-Dibromoethane	11.01	107	179486	20.971	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	657329	102.081	ug/l	99
56) Bromoform	12.13	173	129829	20.598	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	866085	109.837	ug/l	99
59) 2-Hexanone	10.75	43	566798	105.226	ug/l	99
61) Tetrachloroethene	10.63	164	211023	21.066	ug/l	98
62) Toluene	10.16	91	896733	20.000	ug/l	99
64) Chlorobenzene	11.44	112	549828	20.091	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	192981	20.315	ug/l	100
66) Ethyl Benzene	11.51	91	959165	19.848	ug/l	99
67) m/p-Xylenes	11.62	106	721547	40.078	ug/l	99
68) o-Xylene	11.95	106	352445	20.169	ug/l	100
69) Styrene	11.96	104	564731	20.023	ug/l	100
70) Isopropylbenzene	12.25	105	940875	20.237	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	217166	21.472	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	185597m	21.377	ug/l	
73) Bromobenzene	12.53	156	233750	20.788	ug/l	95
74) n-propylbenzene	12.59	91	1058457	19.539	ug/l	98
75) 2-Chlorotoluene	12.68	91	634579	20.182	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	763668	20.336	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55194	20.125	ug/l	97
78) 4-Chlorotoluene	12.77	91	617610	19.669	ug/l	99
79) tert-butylbenzene	12.99	119	671574	20.535	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	761719	20.271	ug/l	99
81) sec-Butylbenzene	13.17	105	901979	19.801	ug/l	99
82) p-Isopropyltoluene	13.29	119	764384	19.706	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	401287	20.291	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	387147	20.262	ug/l	98
85) n-Butylbenzene	13.62	91	614027	18.429	ug/l	99
86) Hexachloroethane	13.88	117	127908	19.462	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	391460	20.800	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31601	22.306	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	184932	19.945	ug/l	98
90) Hexachlorobutadiene	15.01	225	122712	20.175	ug/l	99
91) Naphthalene	15.13	128	386073	20.619	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	178441	20.883	ug/l	97

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QLast Update : Tue Nov 27 00:48:33 2018
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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

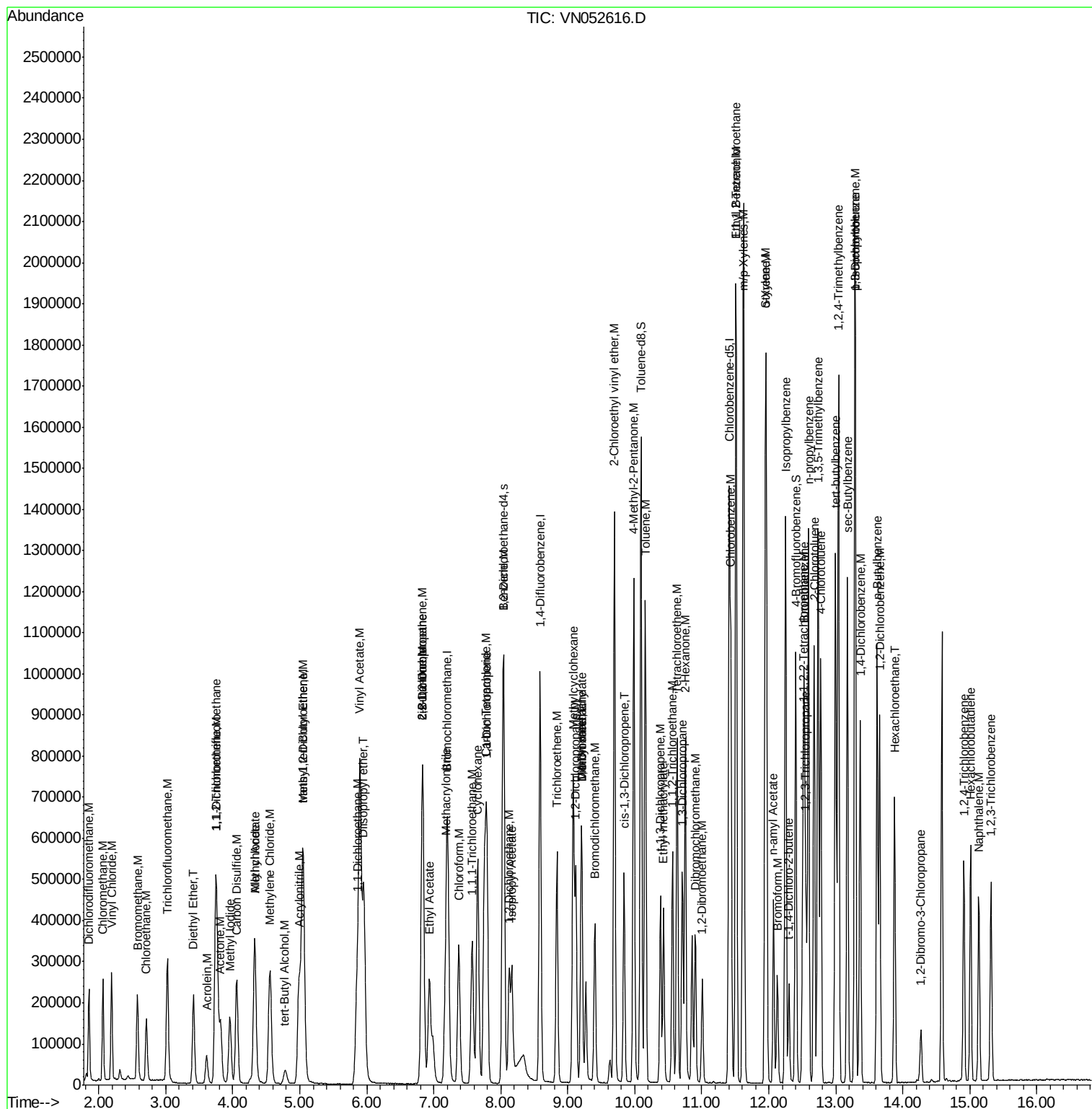
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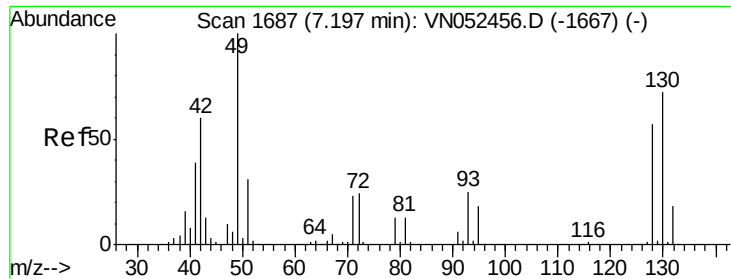
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC020EC

Manual Integrations
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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: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

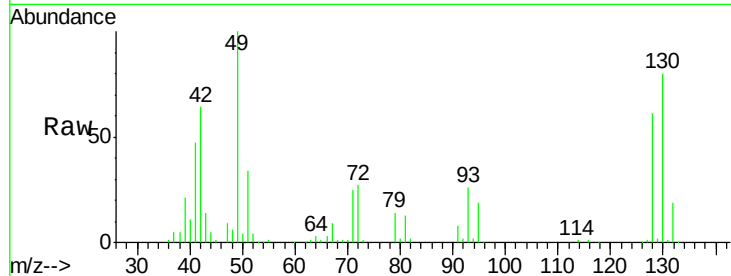
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	128	Resp:	160778
Ion	Ratio	Lower	Upper
128	100		
49	165.5	0.0	431.8
130	129.6	0.0	317.0

Manual Integrations
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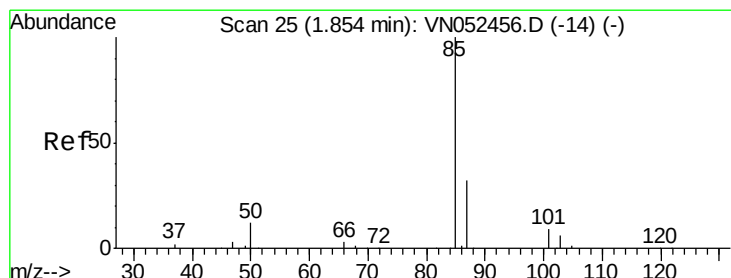
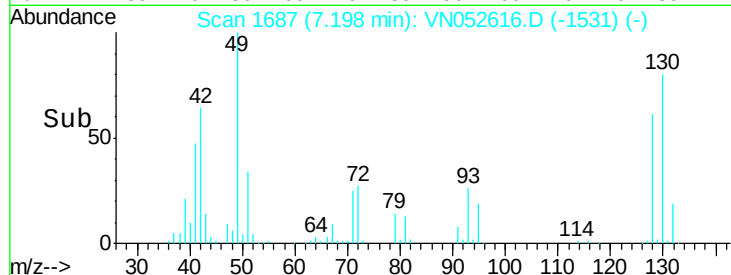
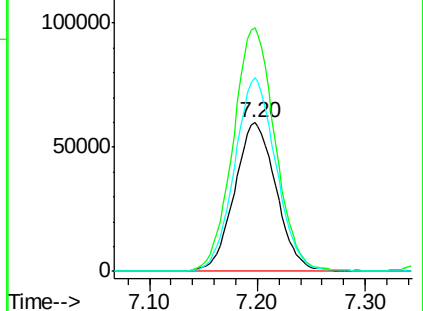
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.731 ug/l

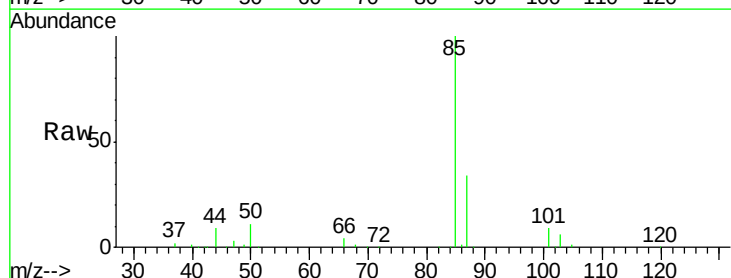
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052616.D

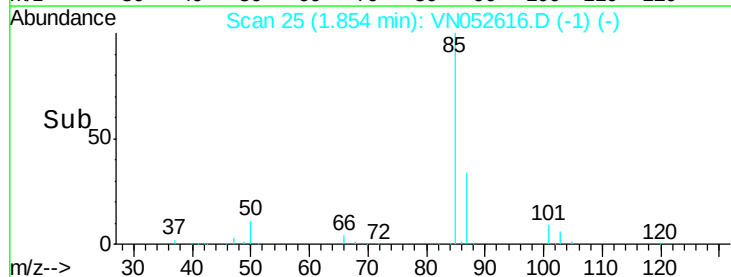
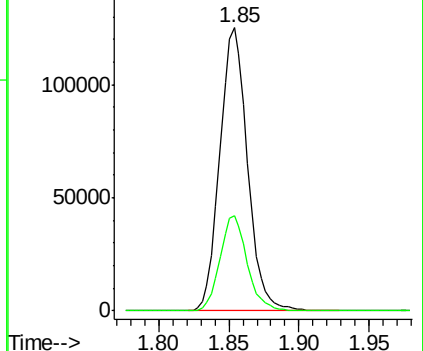
Acq: 30 Nov 2018 19:21

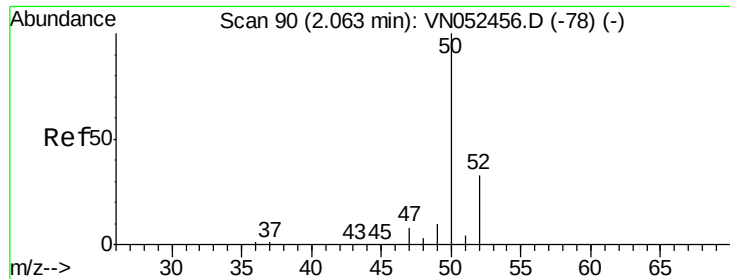
Tgt Ion:	85	Resp:	171520
Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 18.786 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tgt Ion: 50 Resp: 228141

Ion Ratio Lower Upper

50 100

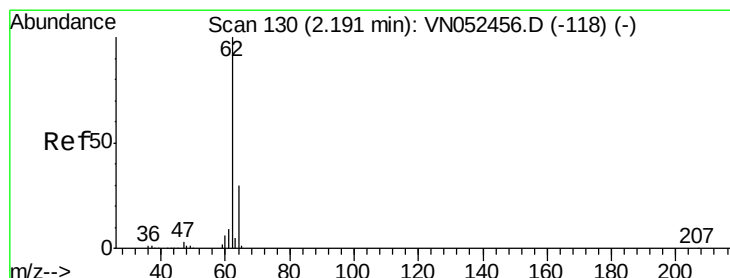
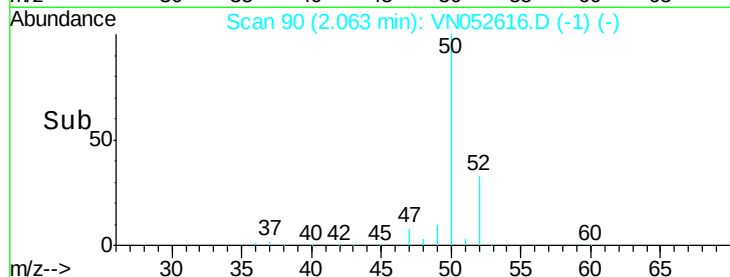
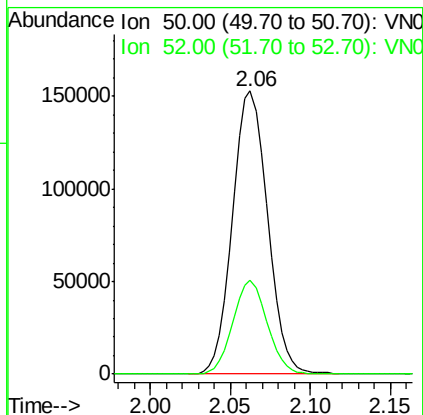
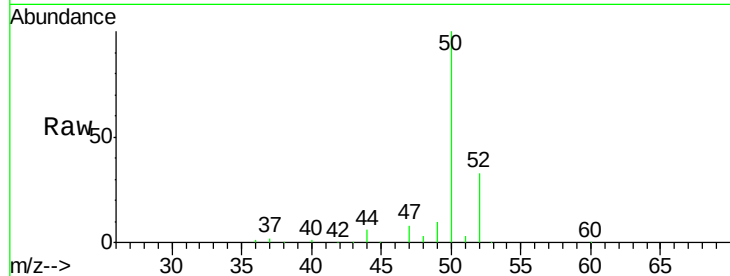
52 33.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.304 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052616.D

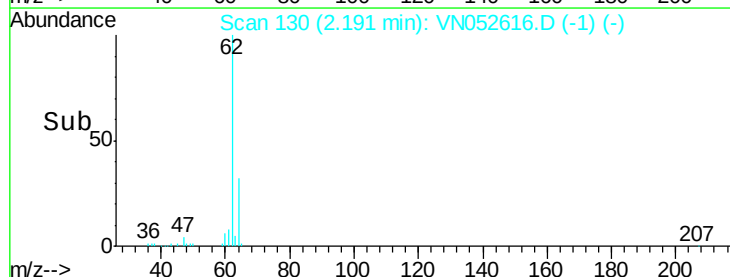
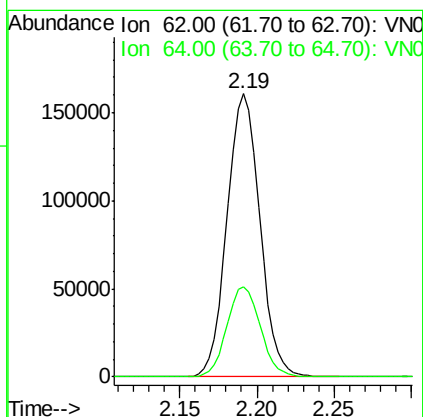
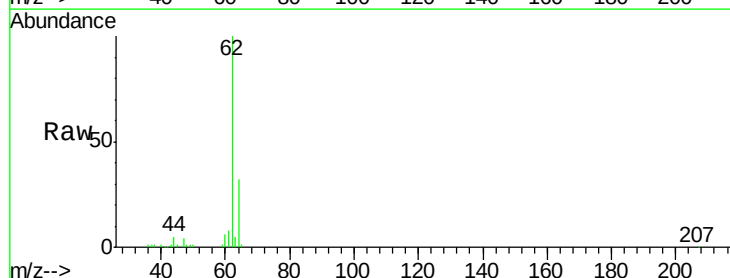
Acq: 30 Nov 2018 19:21

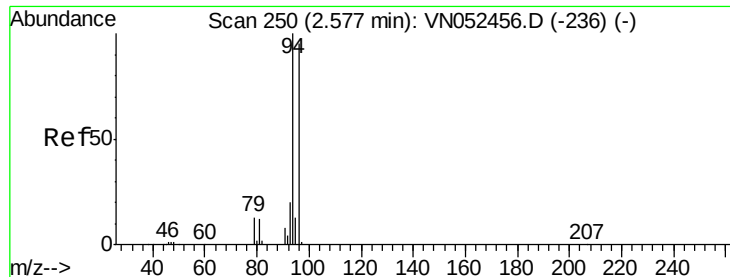
Tgt Ion: 62 Resp: 236601

Ion Ratio Lower Upper

62 100

64 31.9 24.2 36.4





#5

Bromomethane

Concen: 19.987 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 94 Resp: 139684

Ion Ratio Lower Upper

94 100

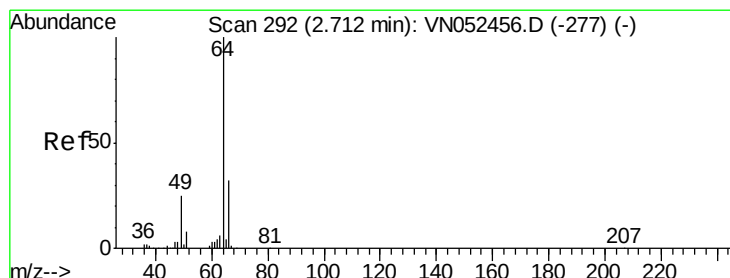
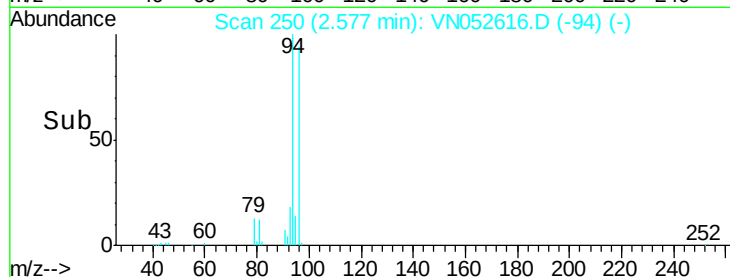
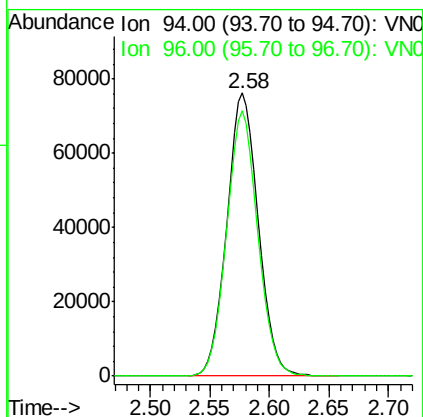
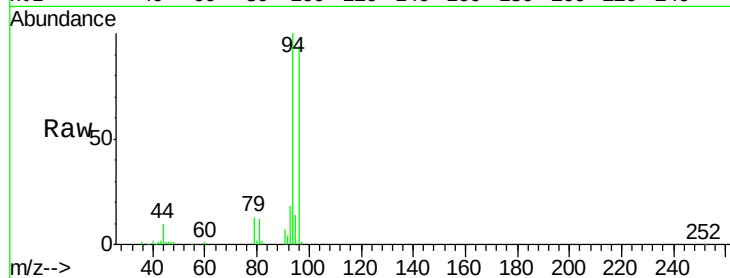
96 93.9 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 19.788 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052616.D

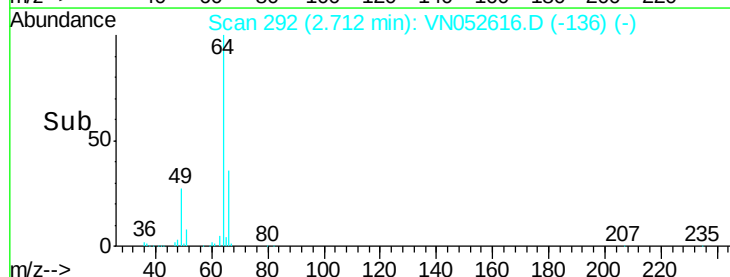
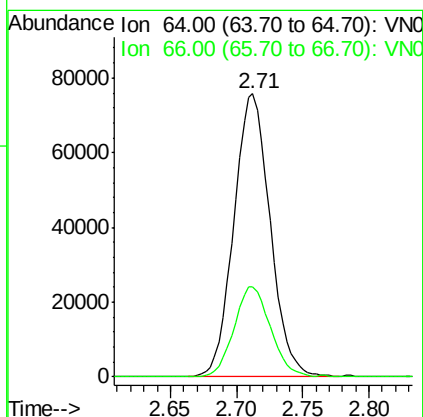
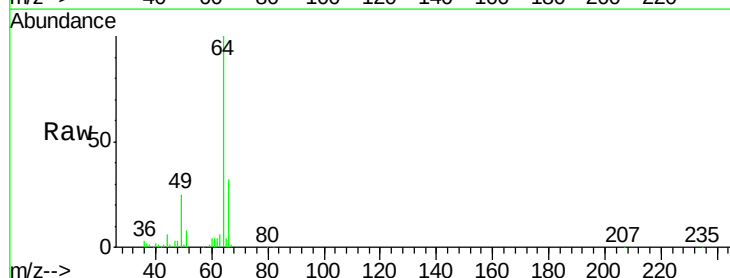
Acq: 30 Nov 2018 19:21

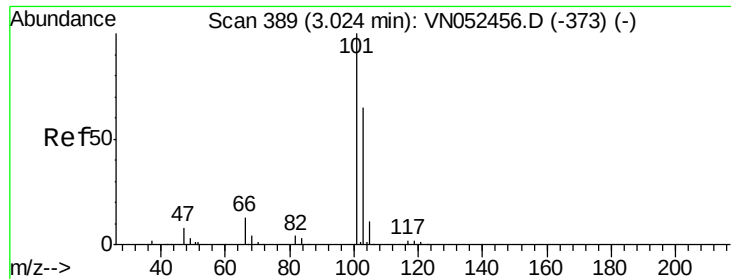
Tgt Ion: 64 Resp: 144236

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4





#7

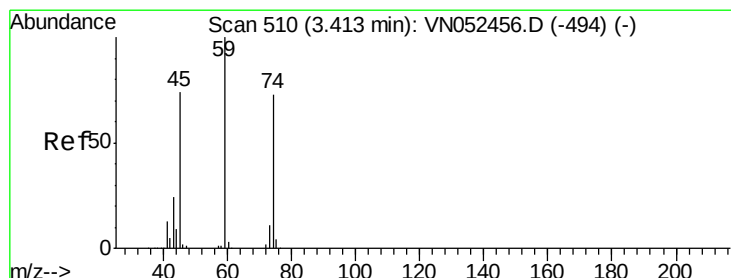
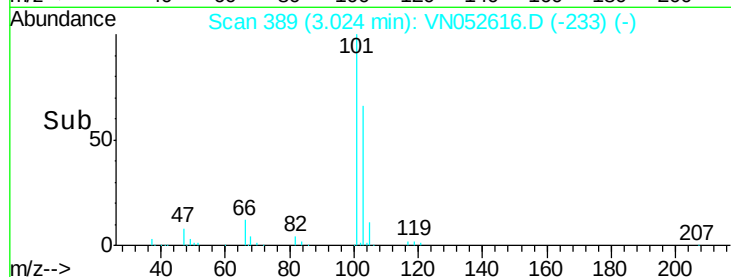
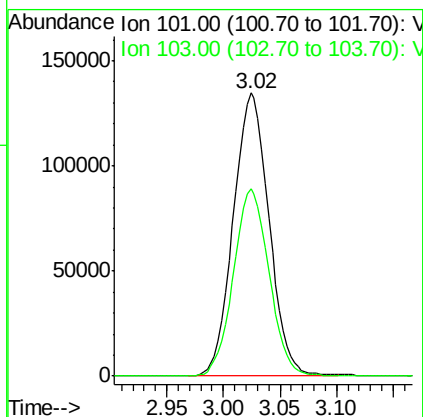
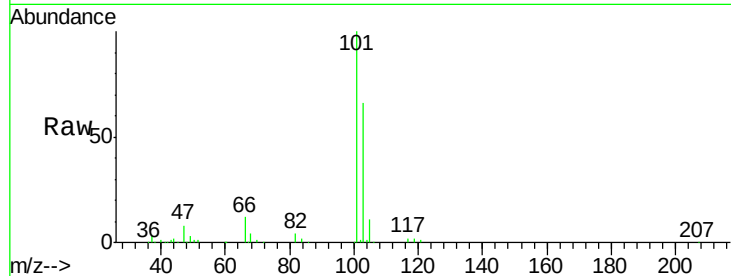
Trichlorofluoromethane
Concen: 19.595 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.1	78.1

Manual Integrations
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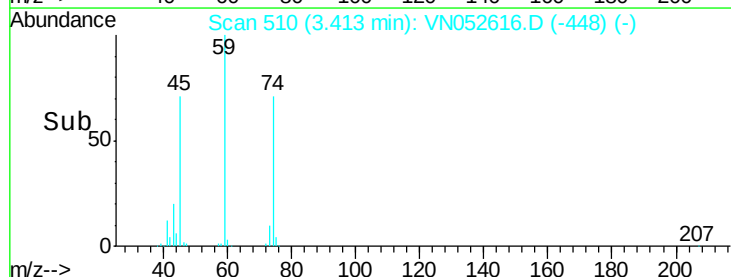
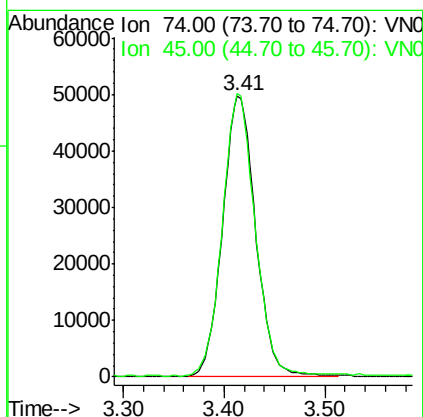
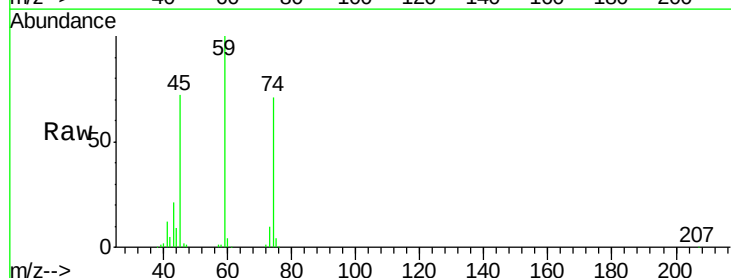
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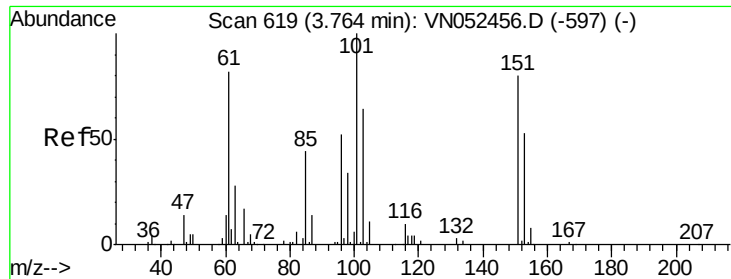


#8

Diethyl Ether
Concen: 20.338 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.242 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052616.D

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MSVOA_N

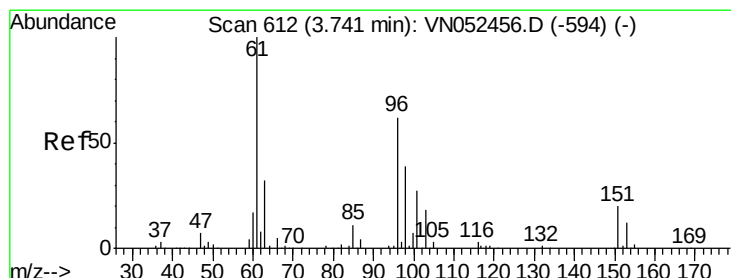
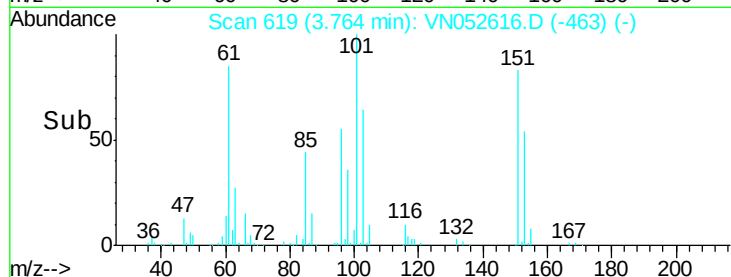
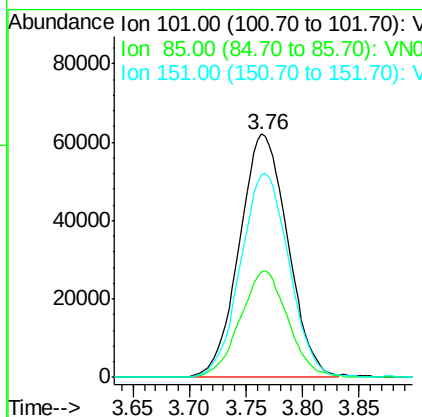
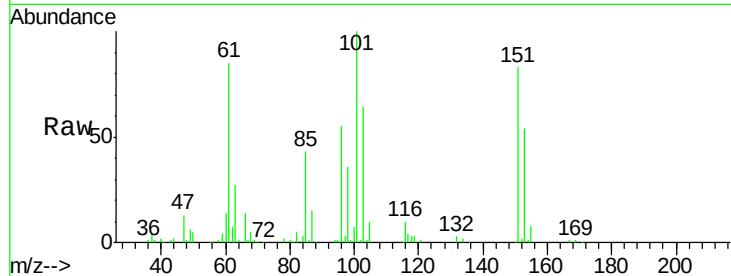
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	101	Resp:	184513
Ion Ratio	Lower	Upper	
101	100		
85	43.2	0.0	82.6
151	84.1	0.0	158.4

Manual Integrations
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12/3/2018 10:49:43 AM



#10

1,1-Dichloroethene

Concen: 19.998 ug/l

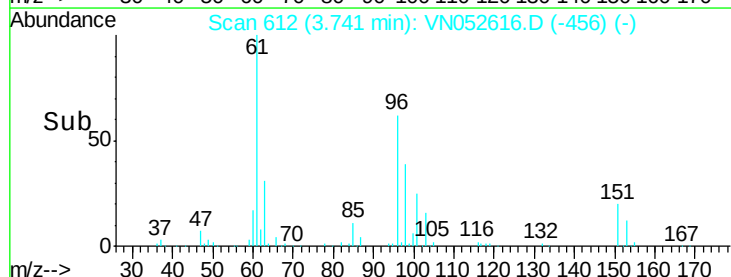
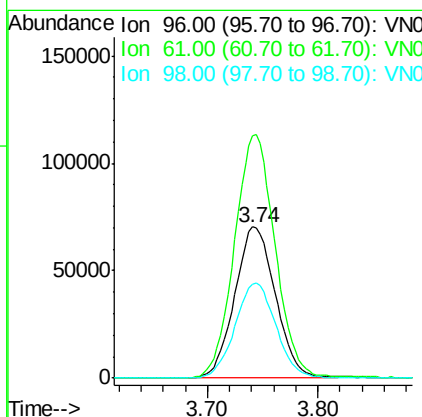
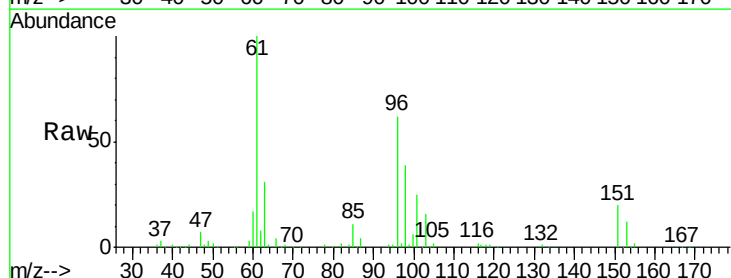
RT: 3.74 min Scan# 612

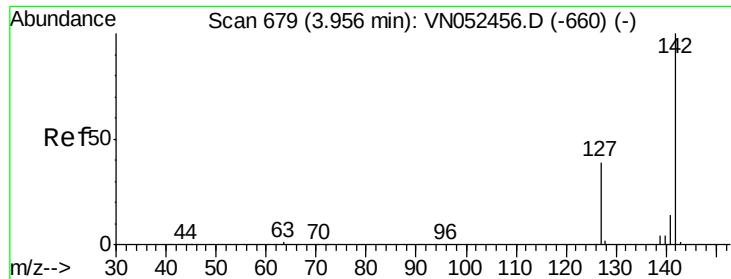
Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Tgt Ion:	96	Resp:	180302
Ion Ratio	Lower	Upper	
96	100		
61	160.2	129.4	194.2
98	62.3	50.4	75.6





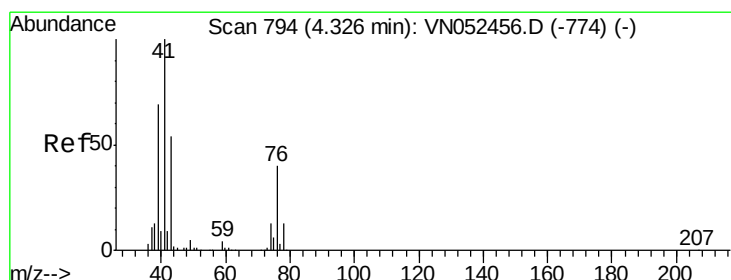
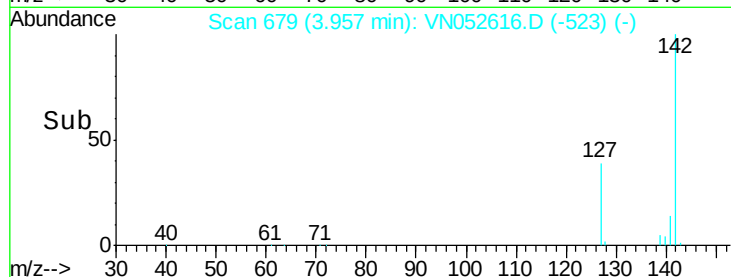
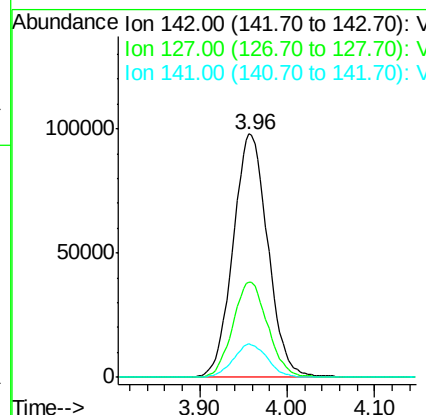
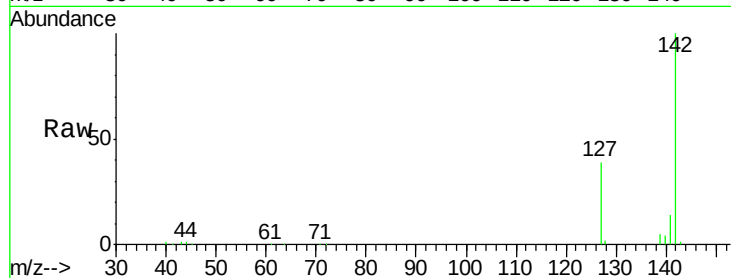
#11
Methyl Iodide
Concen: 21.583 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.3	19.4	58.1
141	13.6	7.2	21.6

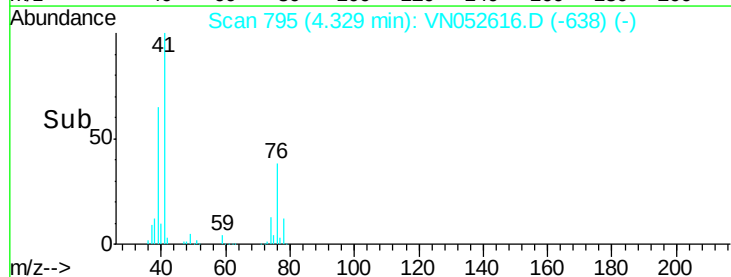
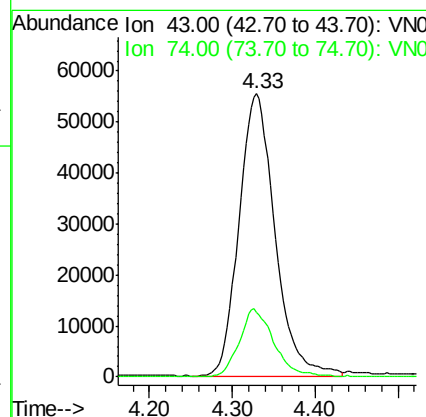
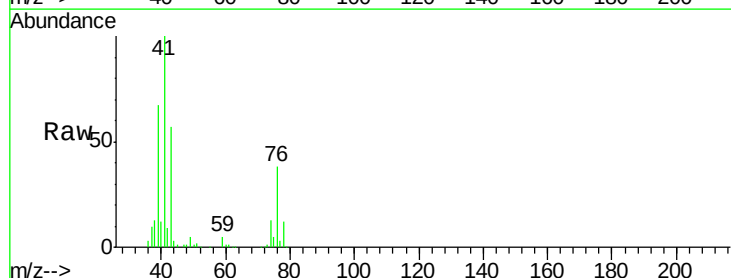
Manual Integrations
APPROVED

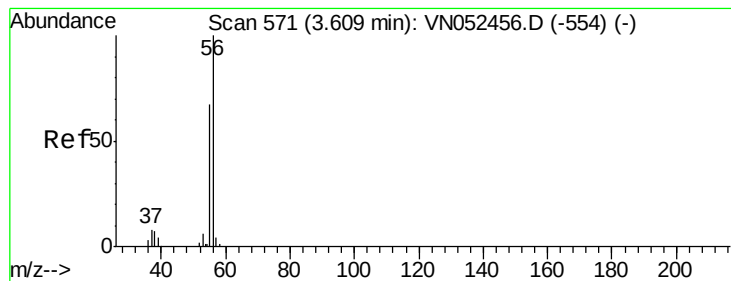
MMDadoda
12/3/2018 10:49:43 AM



#12
Methyl Acetate
Concen: 21.799 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.9	28.3





#13

Acrolein

Concen: 92.039 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 82823

Ion Ratio Lower Upper

56 100

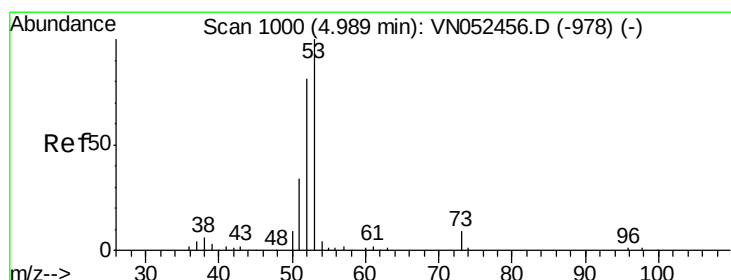
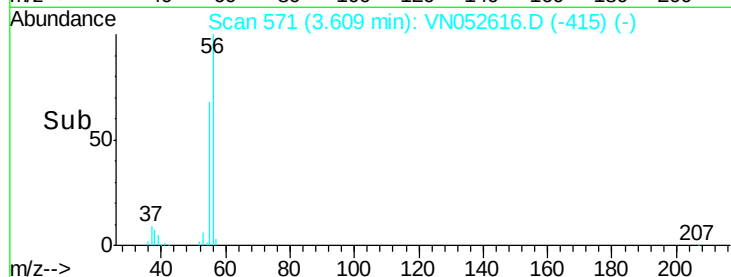
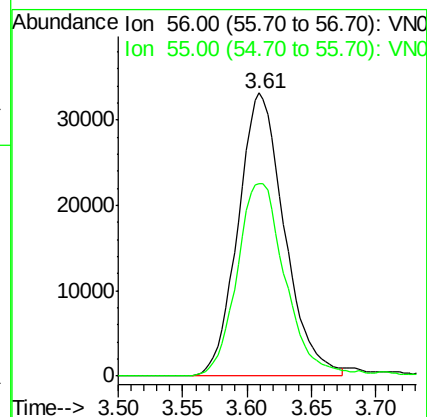
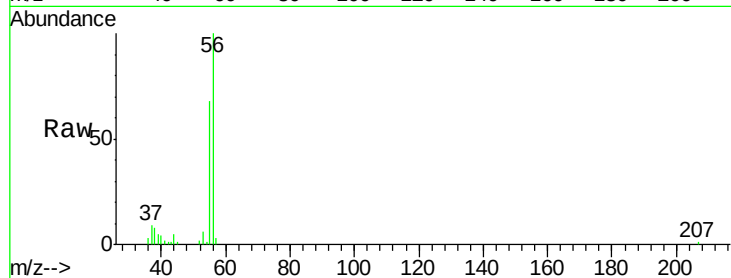
55 70.7 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

12/3/2018 10:49:43 AM



#14

Acrylonitrile

Concen: 104.500 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

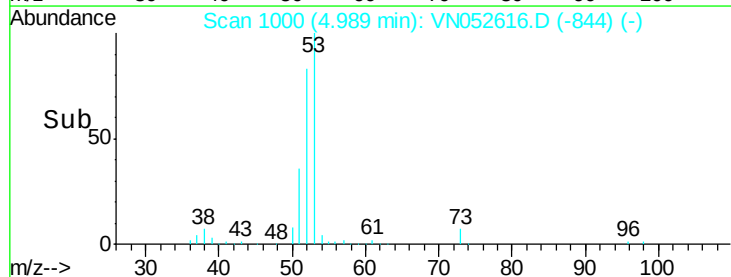
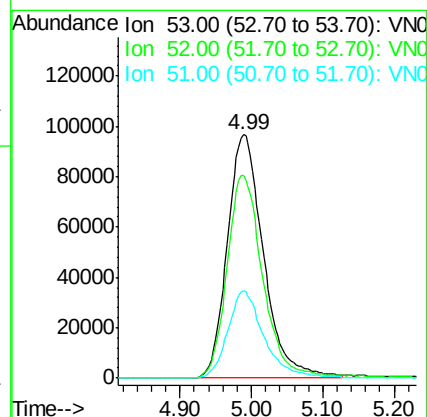
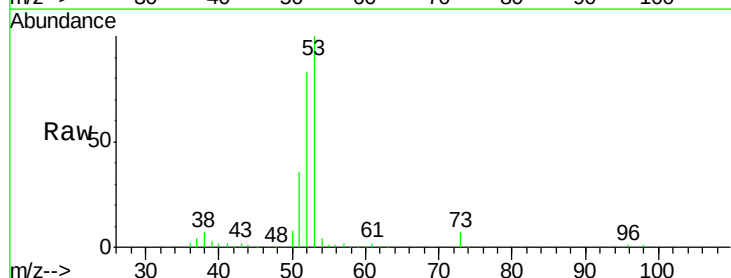
Tgt Ion: 53 Resp: 341095

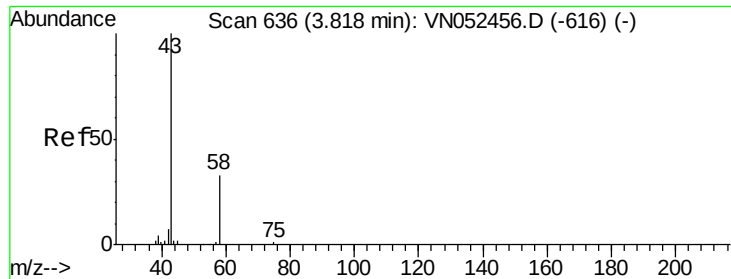
Ion Ratio Lower Upper

53 100

52 81.7 39.9 119.7

51 35.4 17.6 52.9





#15

Acetone

Concen: 91.927 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 77708

Ion Ratio Lower Upper

58 100

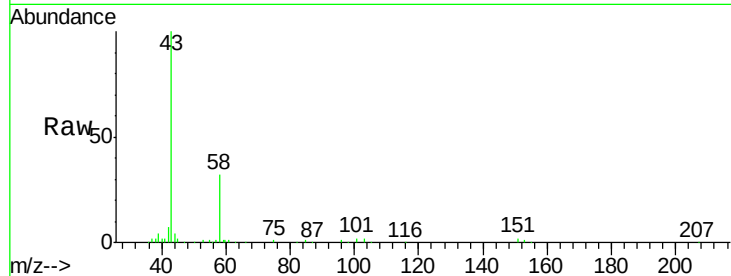
43 308.5 243.6 365.4

Manual Integrations

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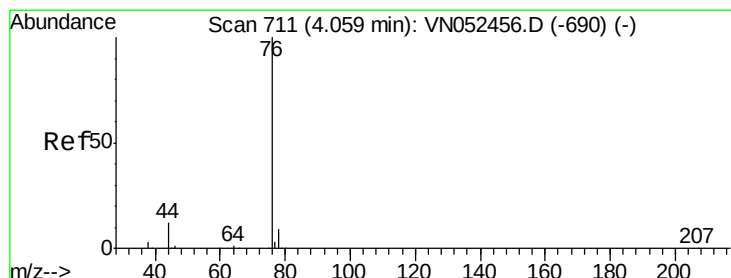
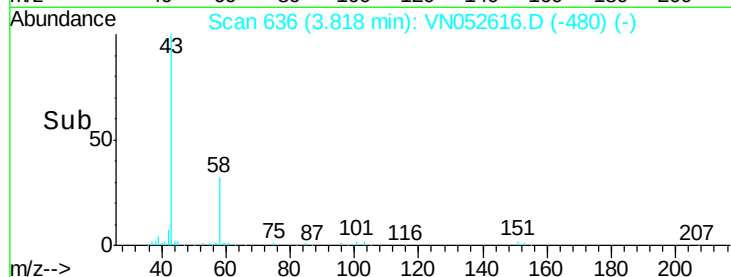
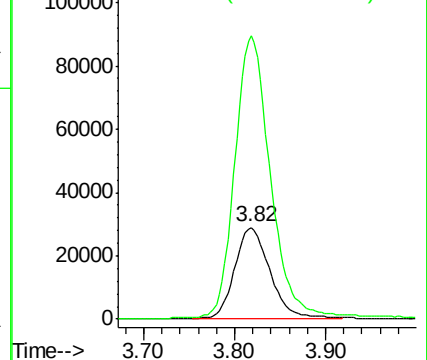
MMDadoda

12/3/2018 10:49:43 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.054 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052616.D

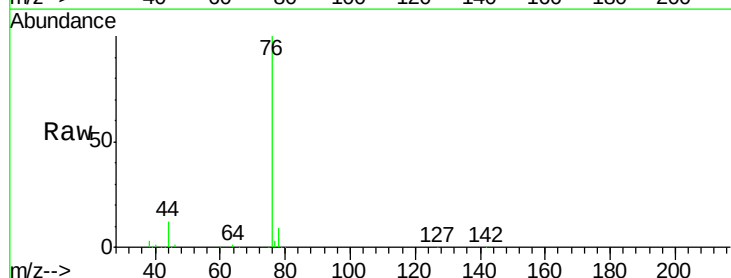
Acq: 30 Nov 2018 19:21

Tgt Ion: 76 Resp: 515356

Ion Ratio Lower Upper

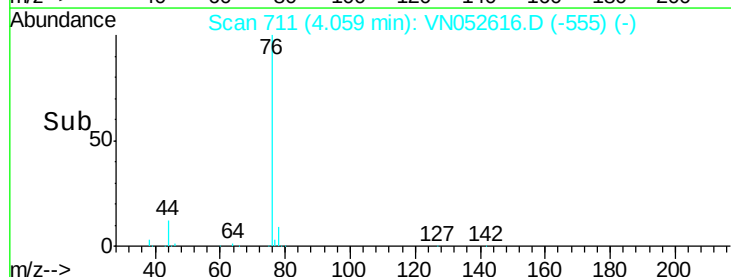
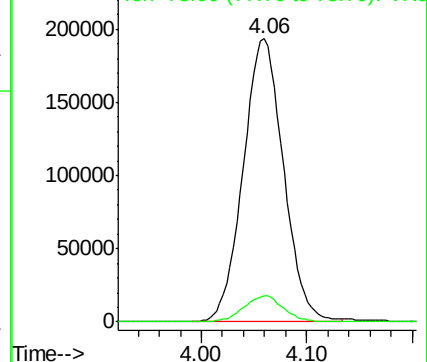
76 100

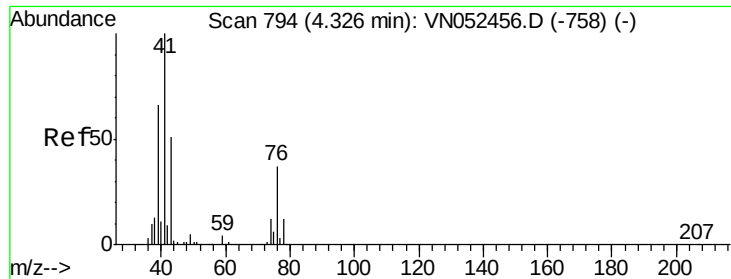
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





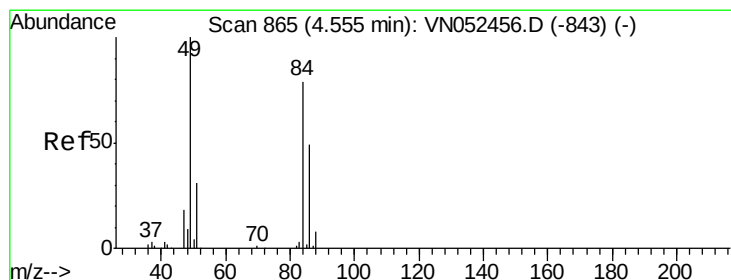
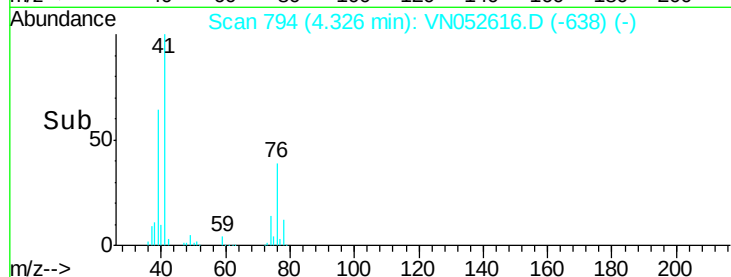
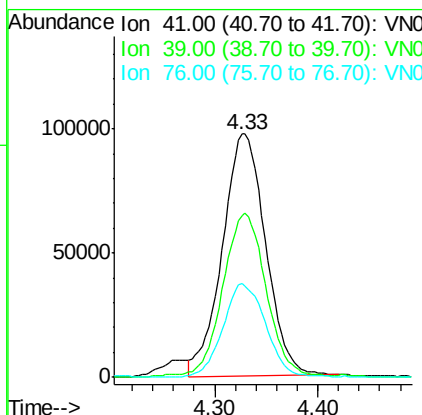
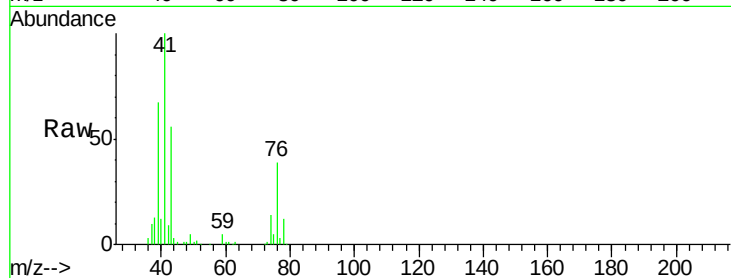
#17
 Allyl chloride
 Concen: 18.081 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:	41	Resp:	284302
Ion	Ratio	Lower	Upper
41	100		
39	66.4	32.8	98.3
76	38.5	18.6	55.8

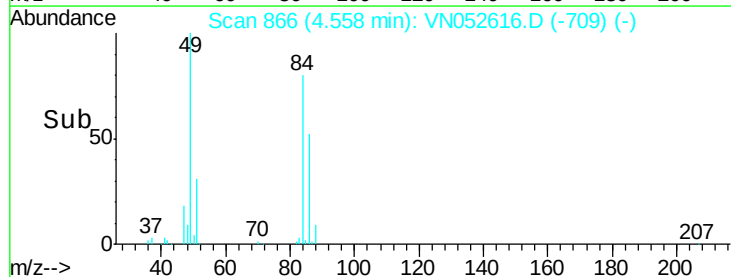
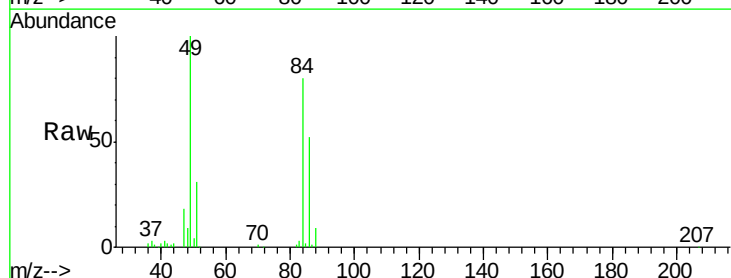
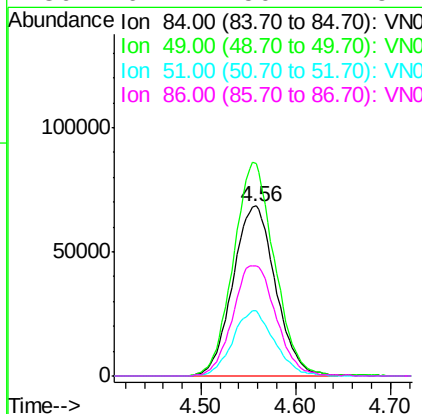
Manual Integrations
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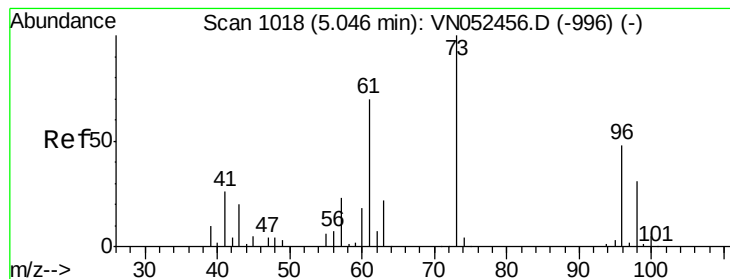
MMDadoda
 12/3/2018 10:49:43 AM



#18
 Methylene Chloride
 Concen: 20.585 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion:	84	Resp:	214895
Ion	Ratio	Lower	Upper
84	100		
49	124.4	101.4	152.0
51	38.4	31.7	47.5
86	64.7	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.783 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 191955

Ion Ratio Lower Upper

96 100

61 141.0 118.2 177.4

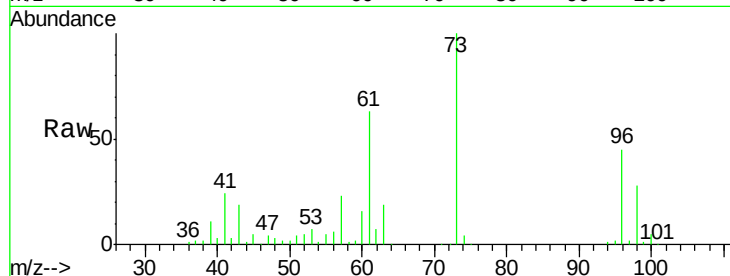
98 62.5 51.4 77.2

Manual Integrations

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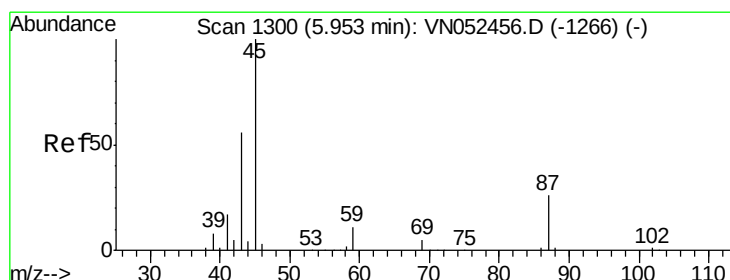
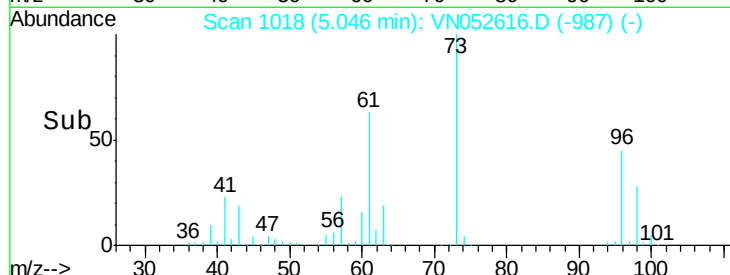
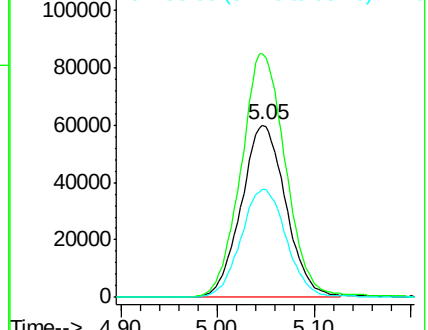


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.568 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Tgt Ion: 45 Resp: 646574

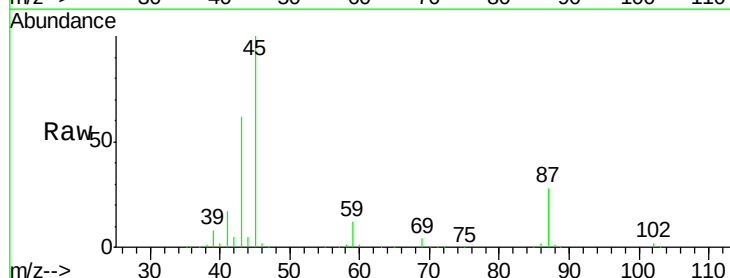
Ion Ratio Lower Upper

45 100

43 60.6 47.8 71.8

87 27.7 21.3 31.9

59 11.7 8.9 13.3



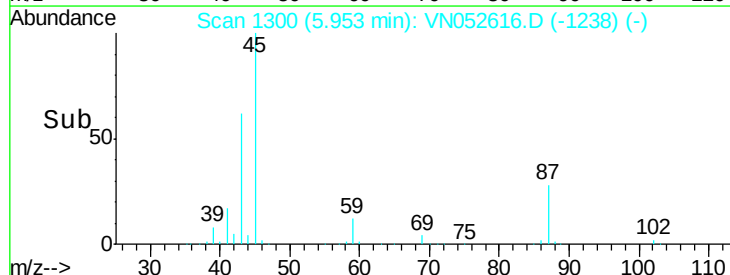
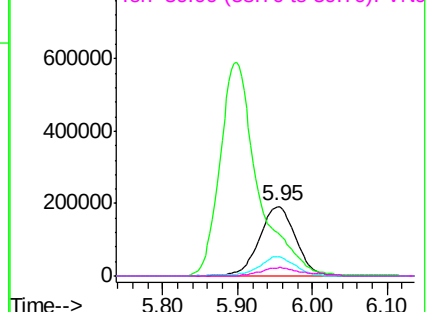
Abundance

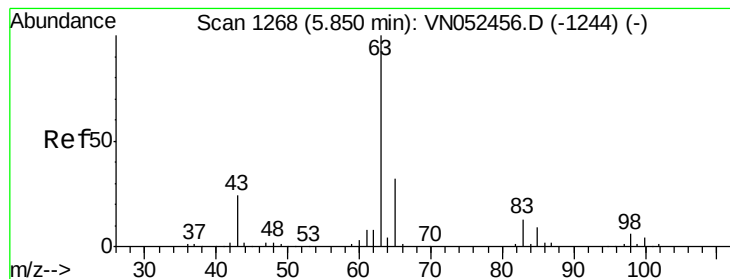
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.721 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

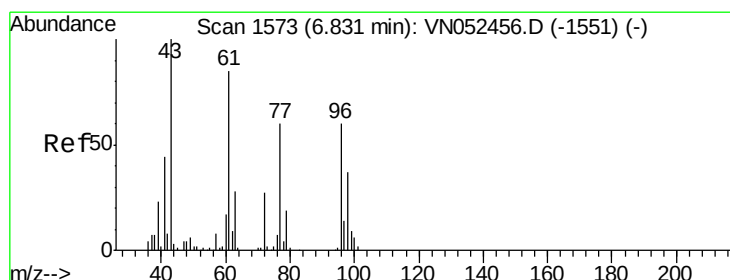
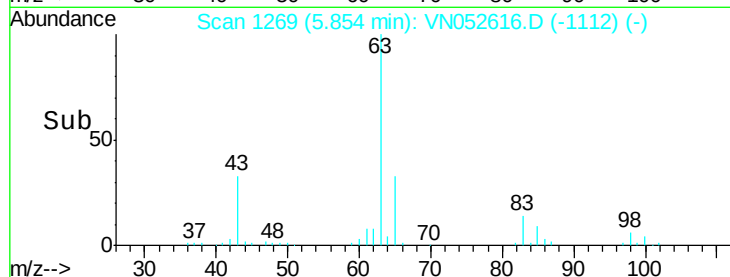
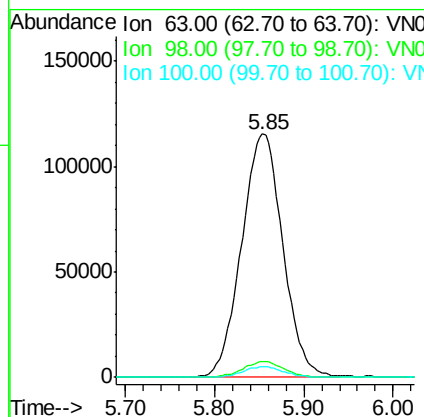
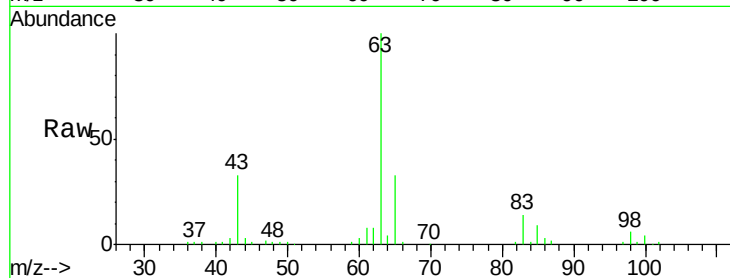
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	63	Resp:	371414
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.0	9.2
100	4.5	1.8	5.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.604 ug/l

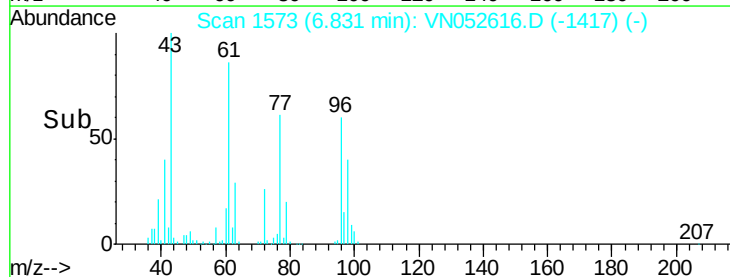
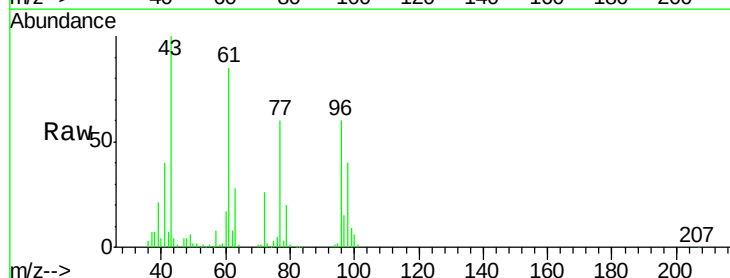
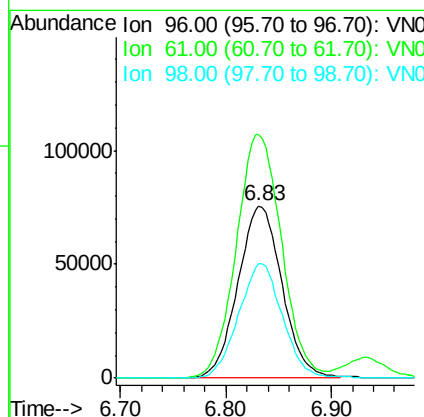
RT: 6.83 min Scan# 1573

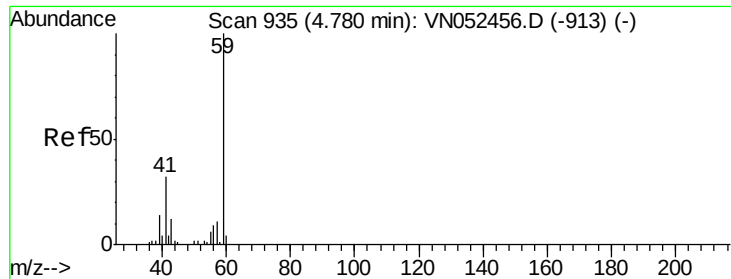
Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Tgt Ion:	96	Resp:	217998
Ion Ratio	Lower	Upper	
96	100		
61	146.5	116.7	175.1
98	66.7	50.8	76.2





#23

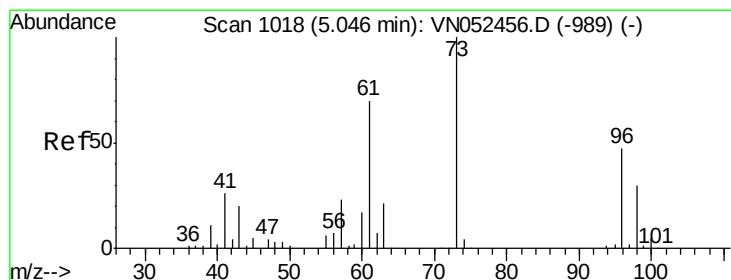
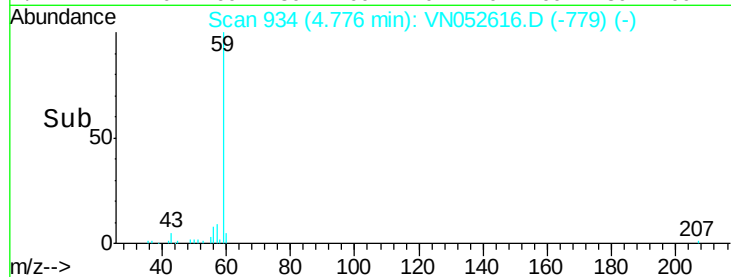
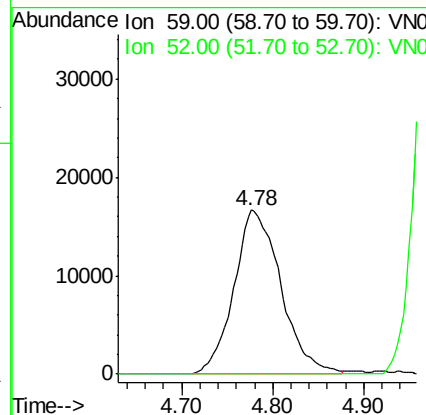
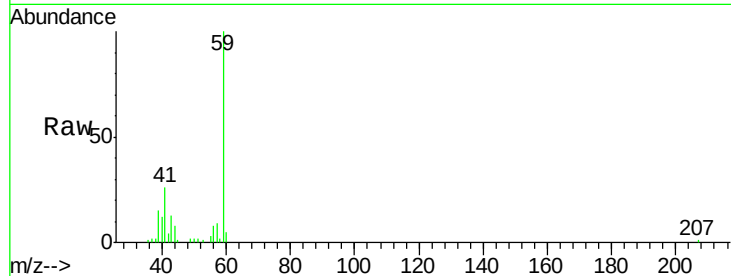
tert-Butyl Alcohol
Concen: 123.027 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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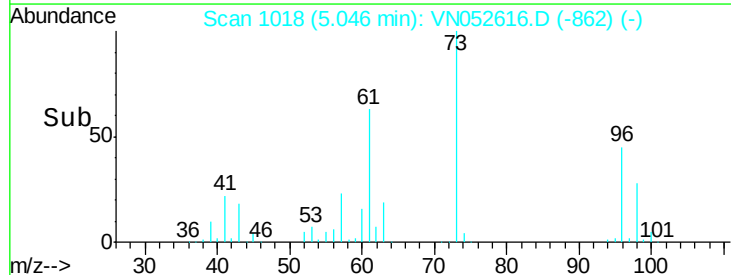
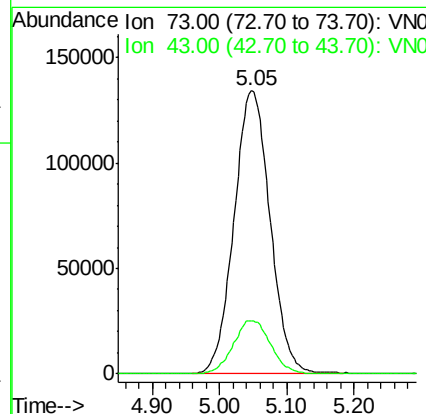
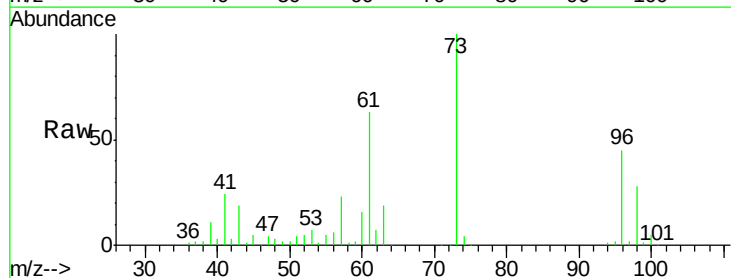
MMDadoda
12/3/2018 10:49:43 AM

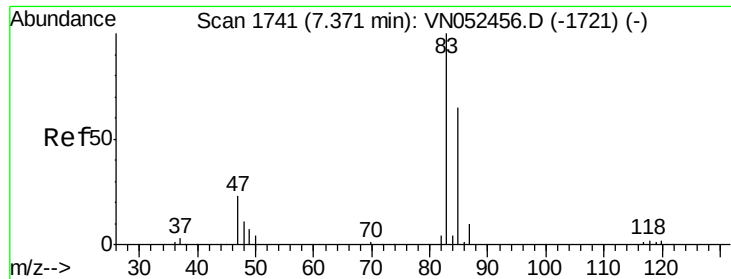


#24

Methyl tert-Butyl Ether
Concen: 21.149 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.0	15.8	23.8





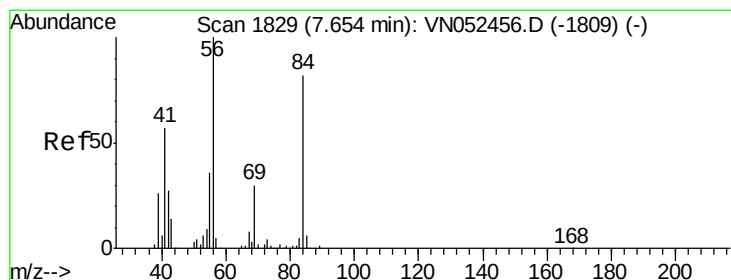
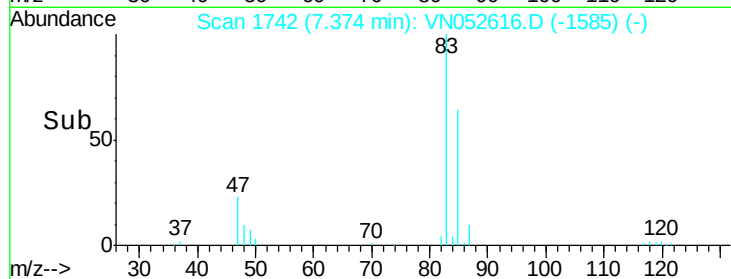
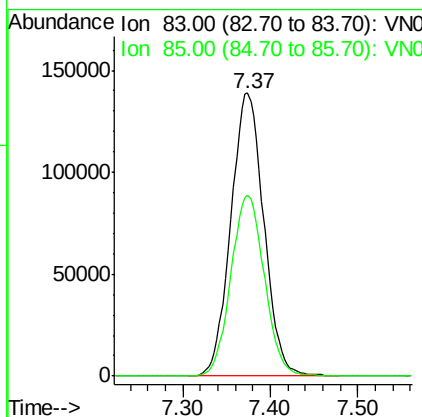
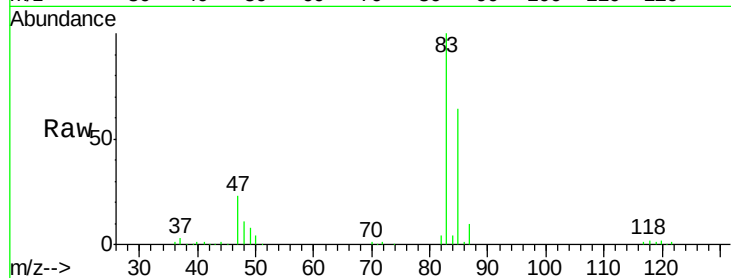
#25
Chloroform
Concen: 20.045 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 364188
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5

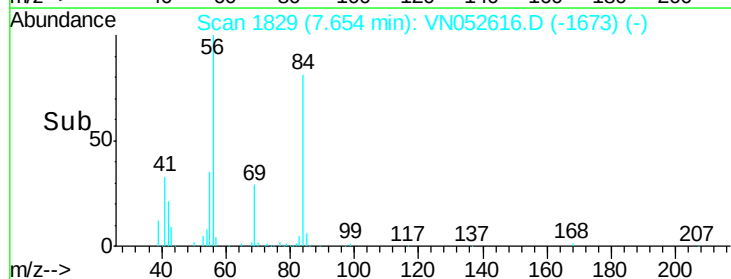
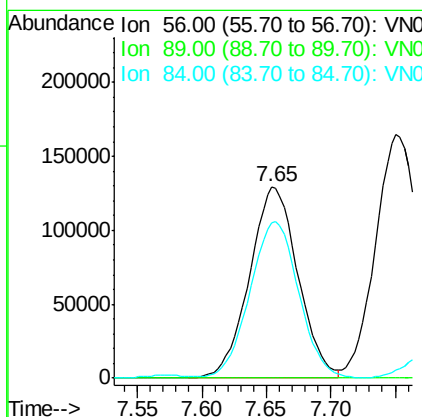
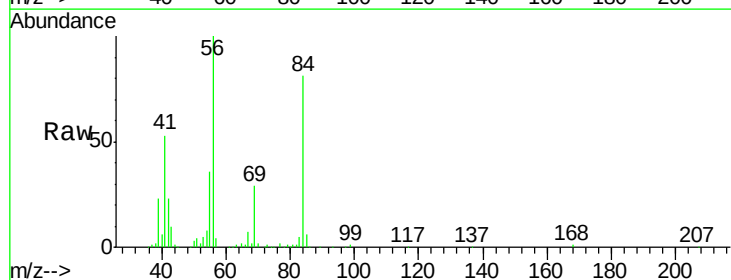
Manual Integrations
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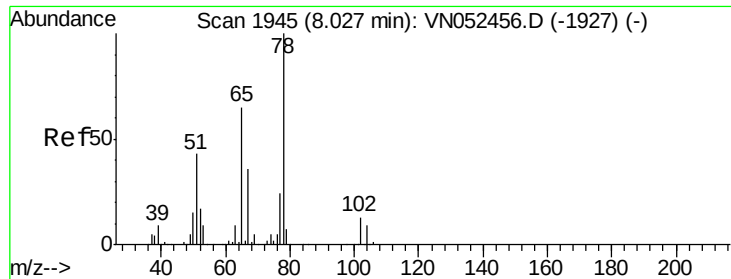
MMDadoda
12/3/2018 10:49:43 AM



#26
Cyclohexane
Concen: 19.030 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 56 Resp: 338025
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 83.0 66.2 99.2





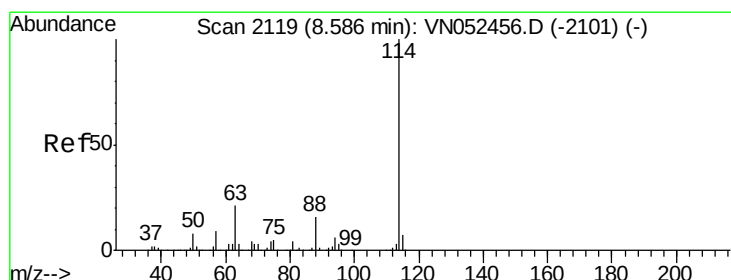
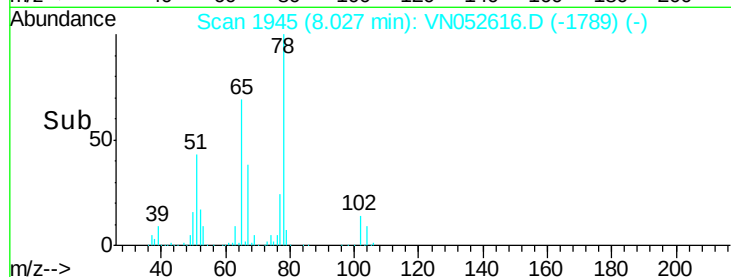
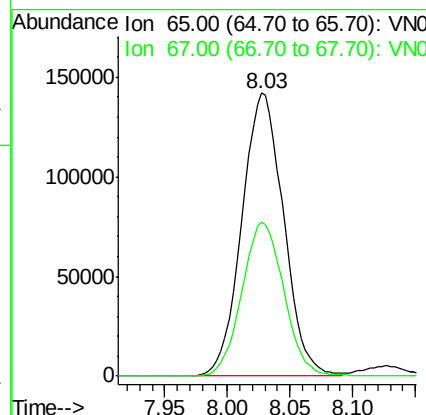
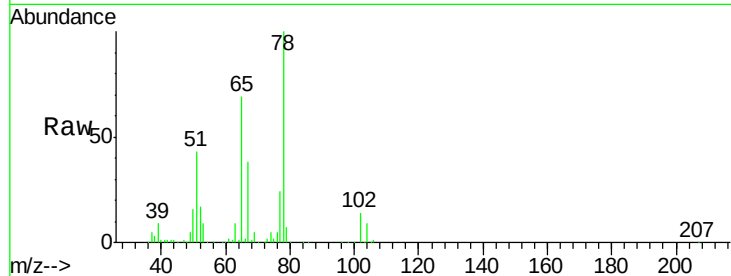
#27
 1,2-Dichloroethane-d4
 Concen: 19.030 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 65 Resp: 329402
 Ion Ratio Lower Upper
 65 100
 67 54.6 44.6 66.8

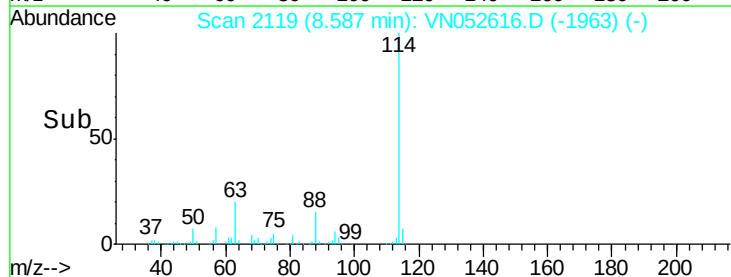
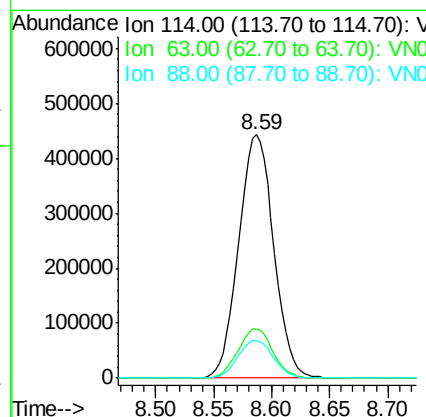
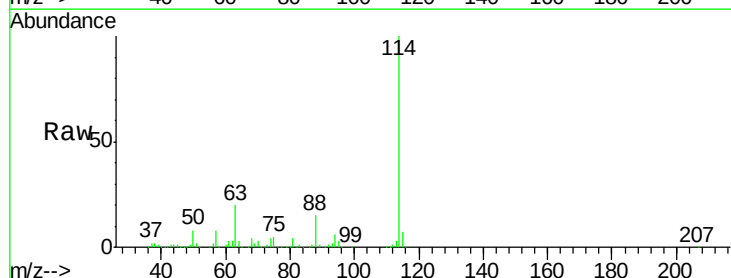
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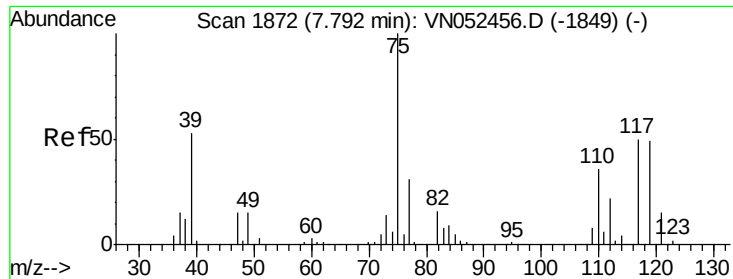
MMDadoda
 12/3/2018 10:49:43 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion: 114 Resp: 929081
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.9 25.3
 88 15.6 12.8 19.2





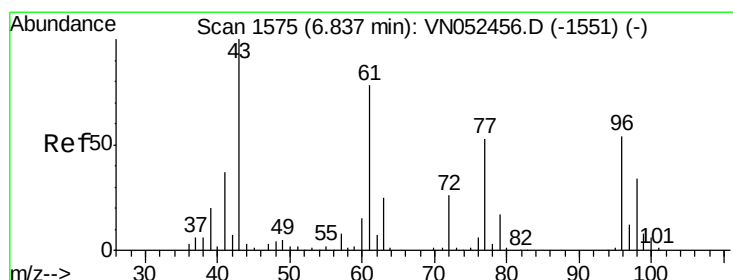
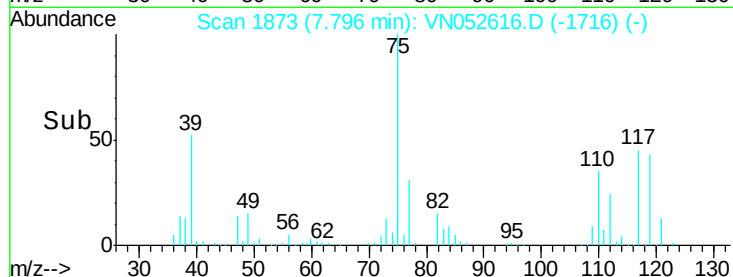
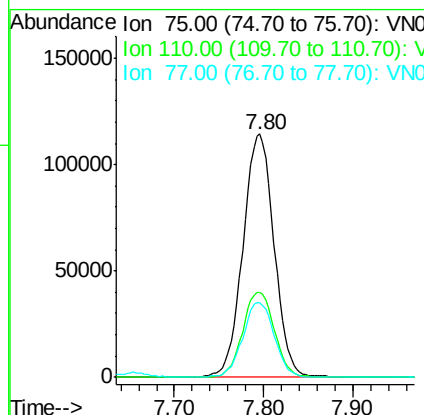
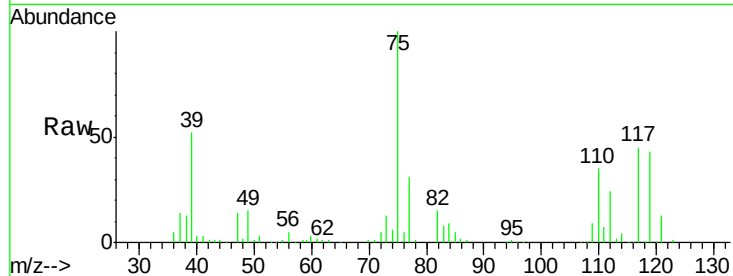
#29
 1,1-Dichloropropene
 Concen: 19.523 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	276990		
110	35.7	0.0	70.2	
77	31.2	0.0	62.6	

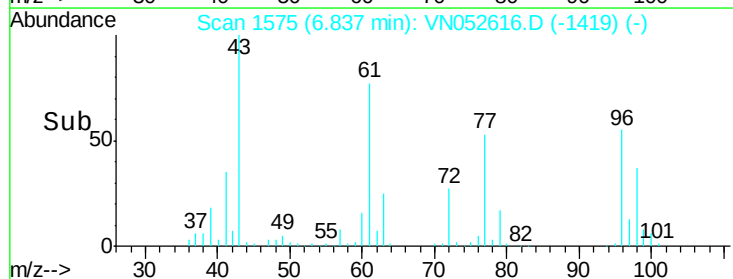
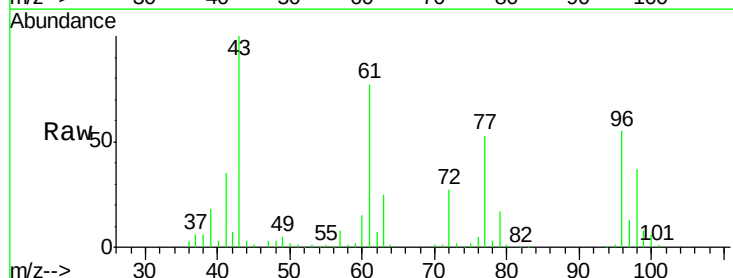
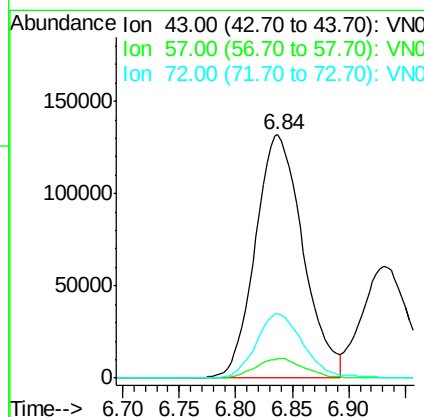
Manual Integrations
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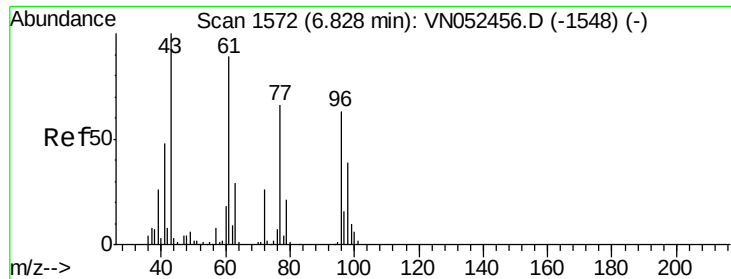
MMDadoda
 12/3/2018 10:49:43 AM



#30
 2-Butanone
 Concen: 101.179 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	384125		
57	8.3	6.2	9.4	
72	26.5	21.0	31.6	





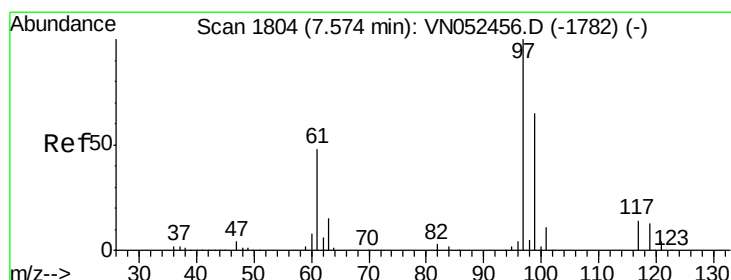
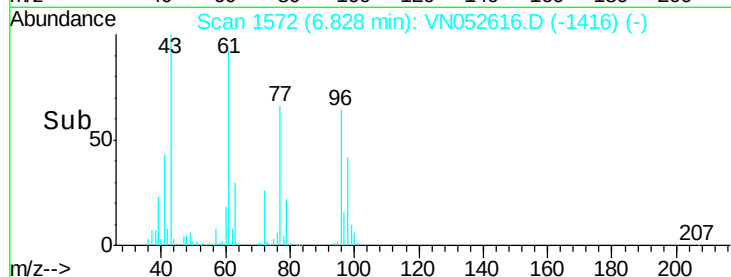
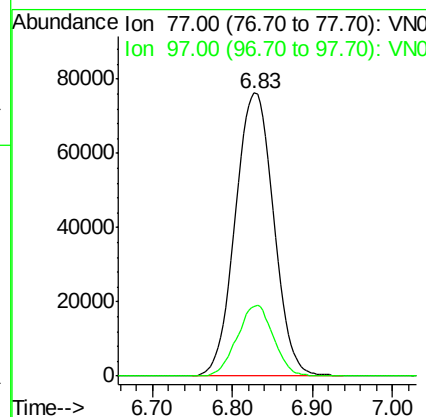
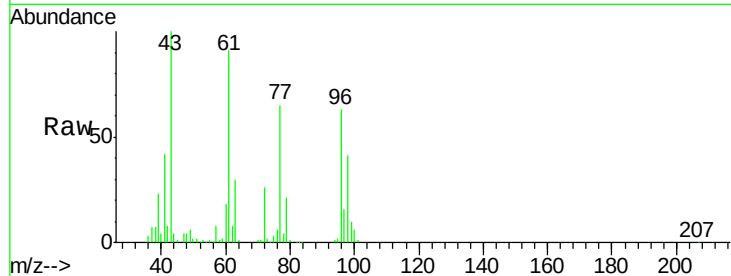
#31
 2,2-Dichloropropane
 Concen: 19.040 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.6	18.7	28.1

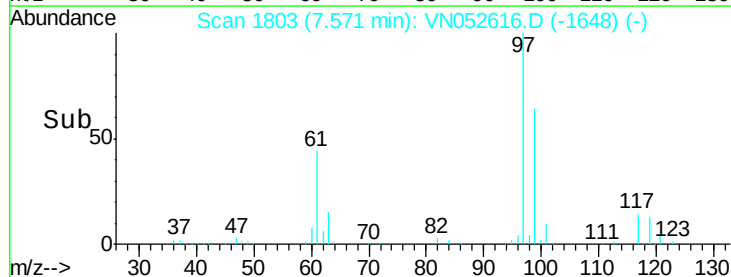
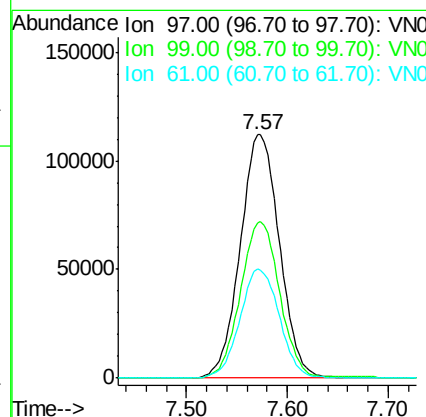
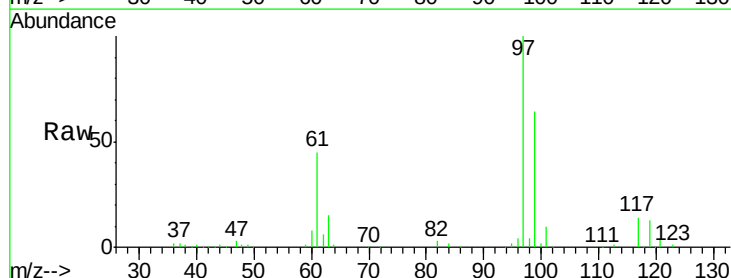
Manual Integrations
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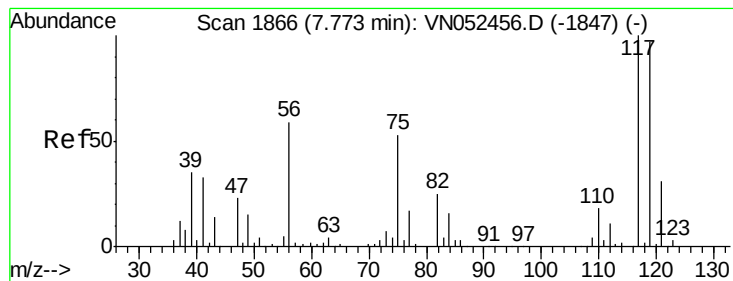
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#32
 1,1,1-Trichloroethane
 Concen: 20.430 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.9	76.3
61	45.2	38.1	57.1





#33

Carbon Tetrachloride

Concen: 19.923 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

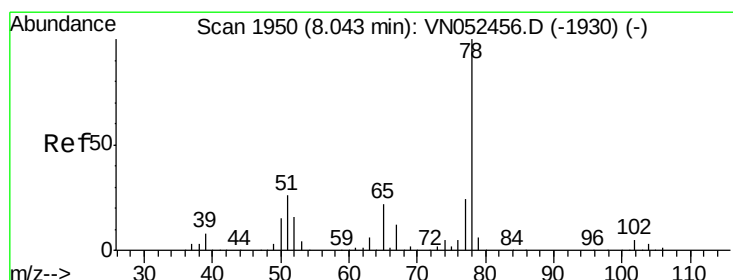
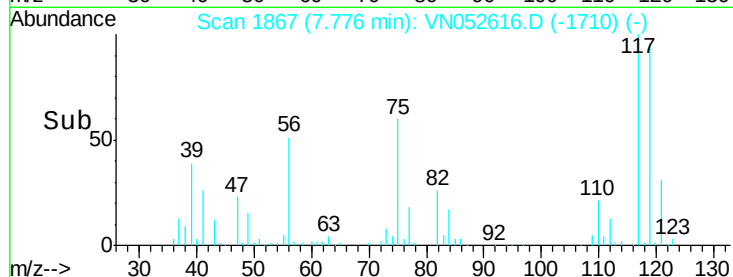
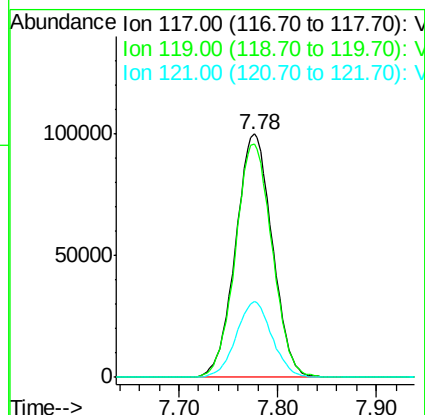
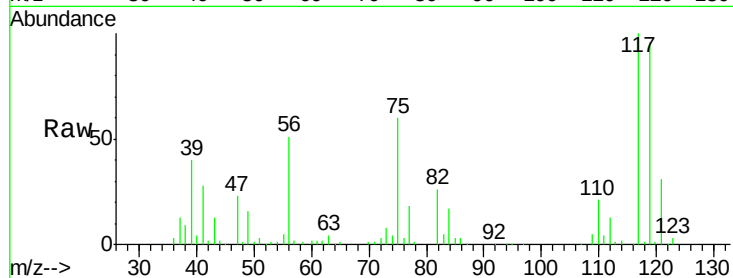
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	117	Resp:	257346
Ion Ratio	Lower	Upper	
117	100		
119	96.1	77.3	115.9
121	31.1	24.9	37.3

Manual Integrations
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#34

Benzene

Concen: 19.819 ug/l

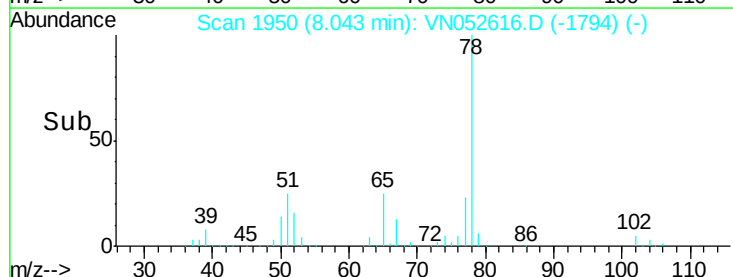
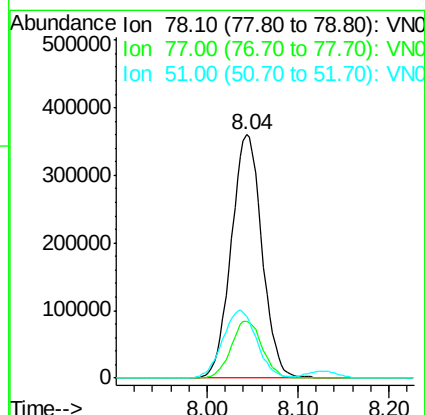
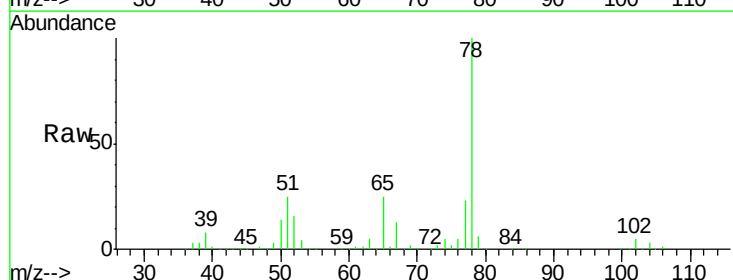
RT: 8.04 min Scan# 1950

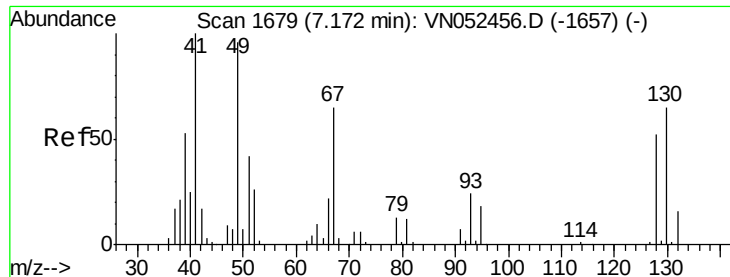
Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Tgt Ion:	78	Resp:	845431
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.0	28.6
51	25.3	20.5	30.7





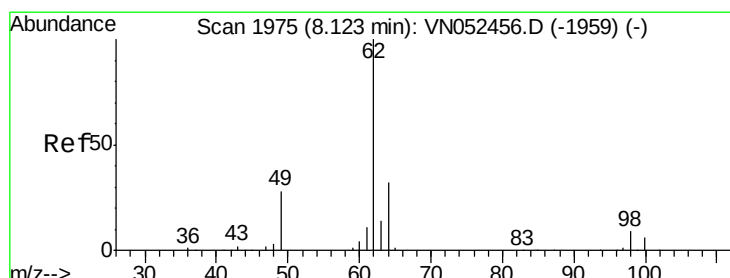
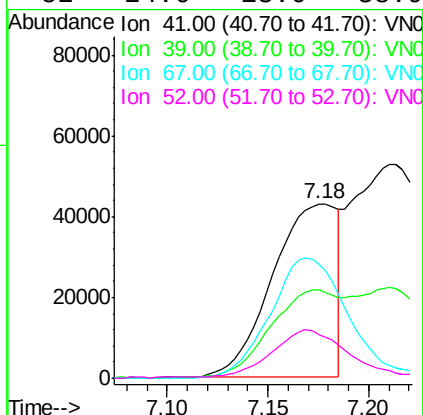
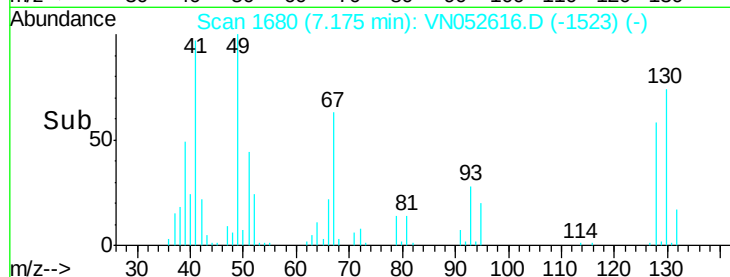
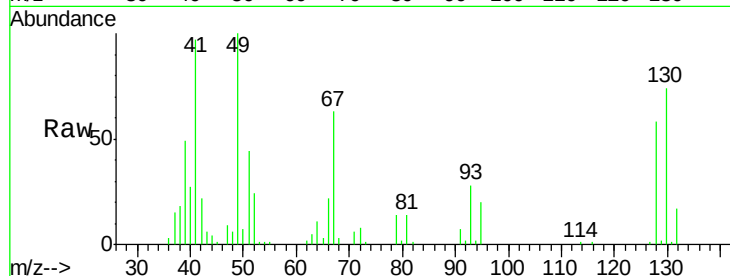
#35
Methacrylonitrile
Concen: 20.346 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	50.1	26.6	79.7
67	65.6	32.3	96.9
52	24.6	13.0	38.9

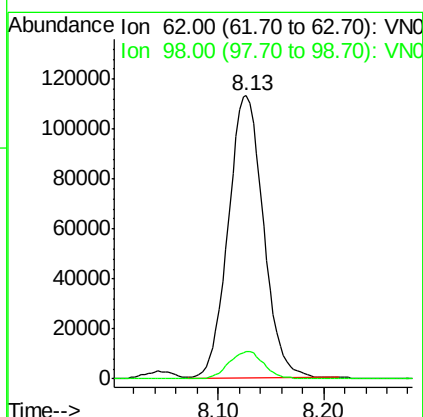
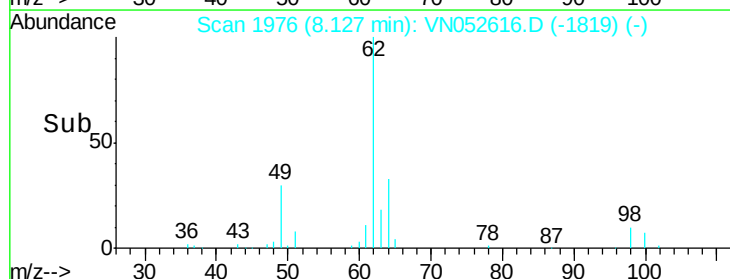
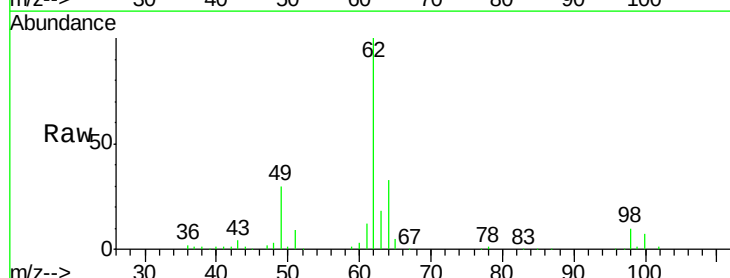
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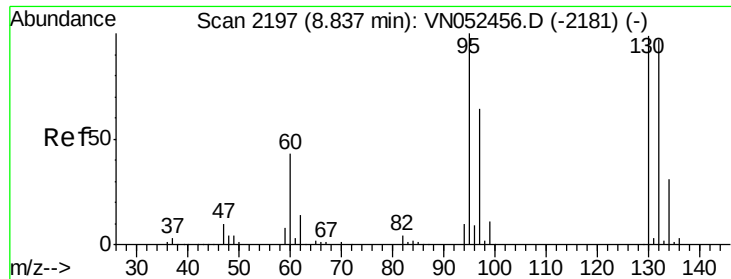
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#36
1,2-Dichloroethane
Concen: 20.222 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.4	11.2





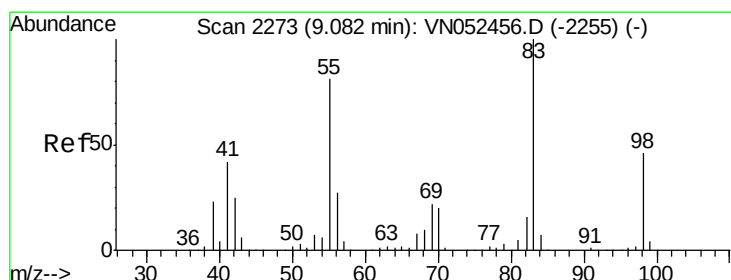
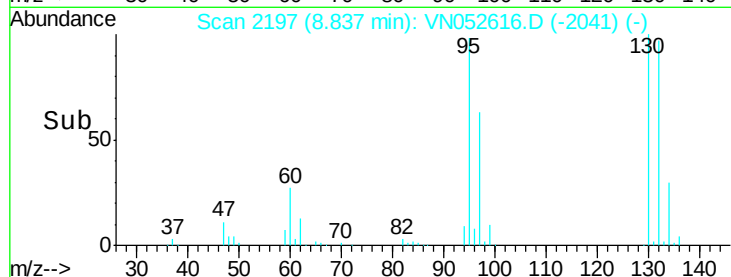
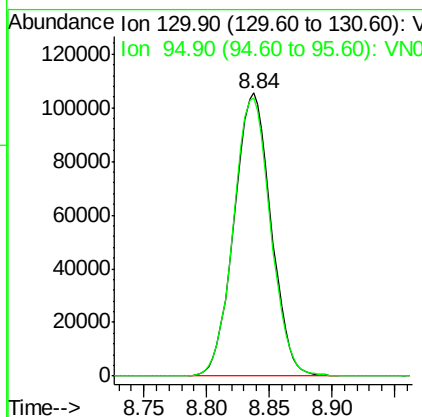
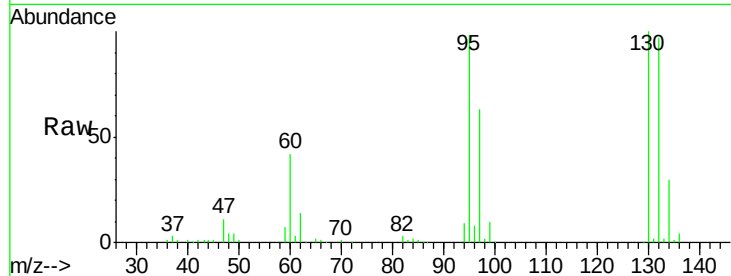
#37
 Trichloroethene
 Concen: 20.042 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 130 Resp: 216786
 Ion Ratio Lower Upper
 130 100
 95 98.2 81.0 121.4

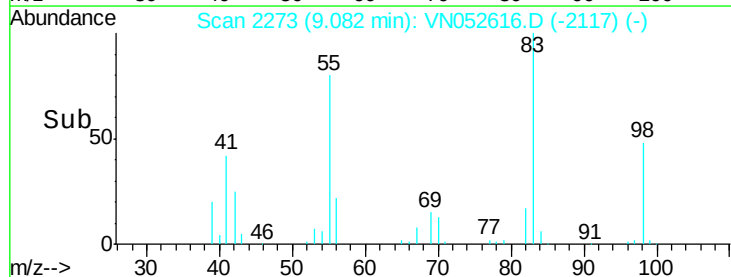
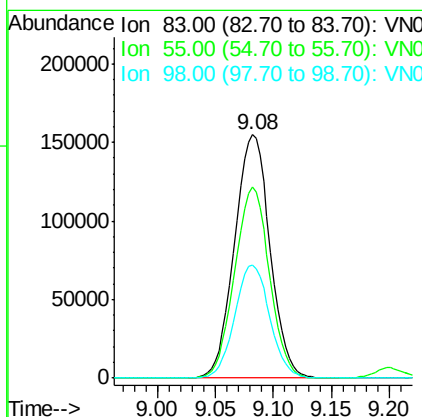
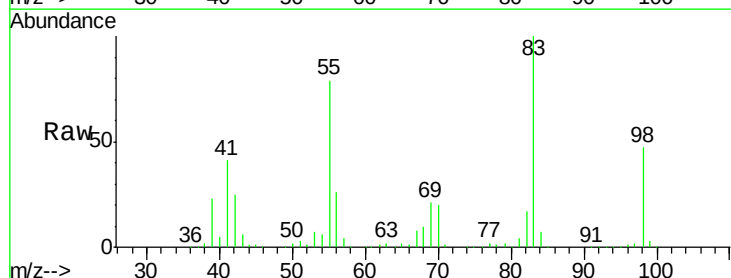
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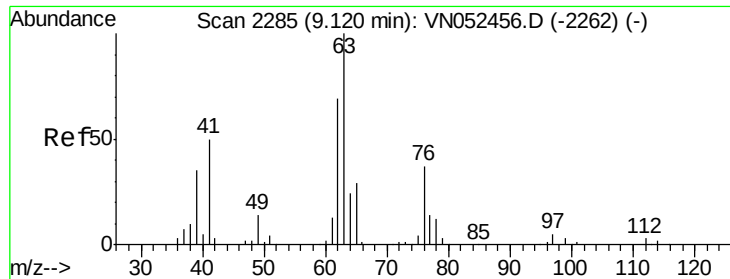
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 12/3/2018 10:49:43 AM



#38
 Methylcyclohexane
 Concen: 18.720 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion: 83 Resp: 328793
 Ion Ratio Lower Upper
 83 100
 55 77.1 39.8 119.4
 98 45.8 22.9 68.5





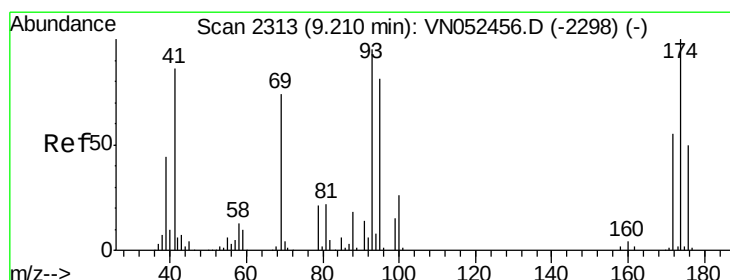
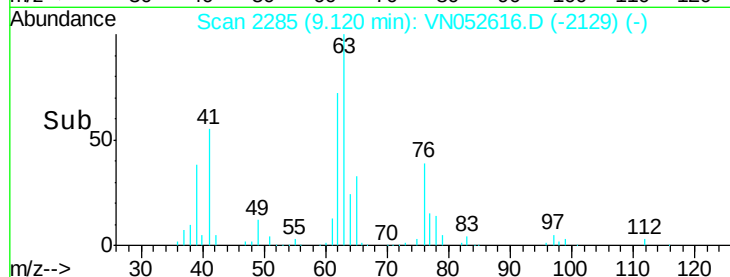
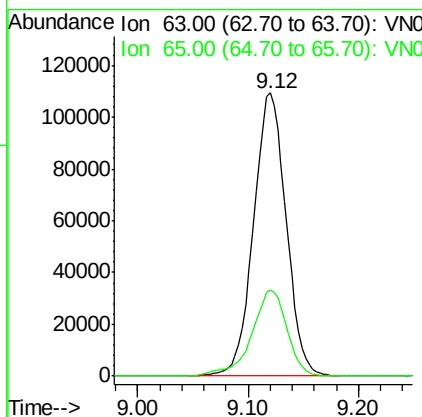
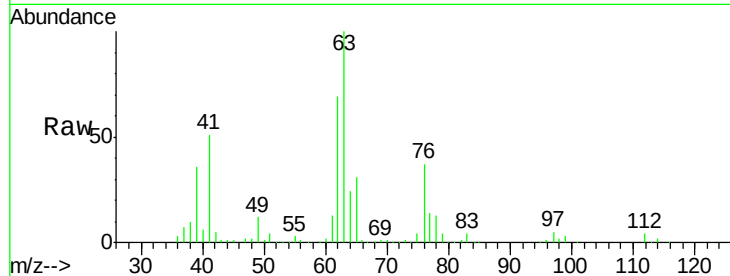
#39
 1,2-Dichloropropane
 Concen: 19.652 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 224709
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.6 35.4

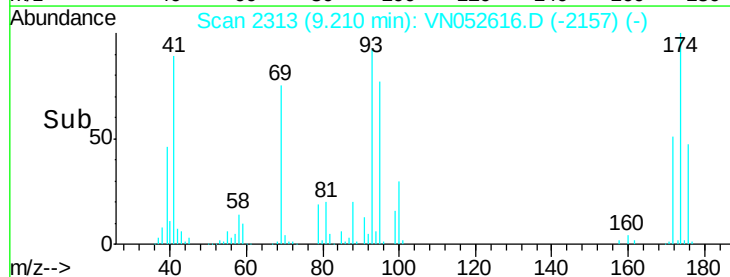
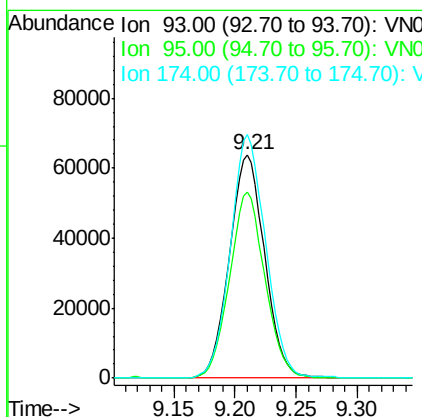
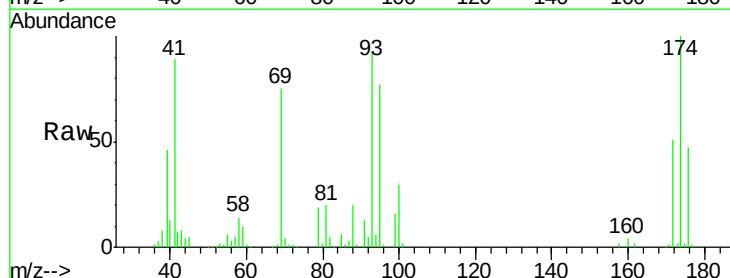
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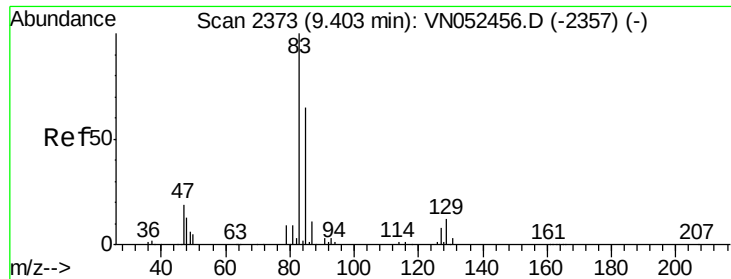
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#40
 Dibromomethane
 Concen: 20.783 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion: 93 Resp: 128421
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 168.4
 174 108.6 0.0 210.0





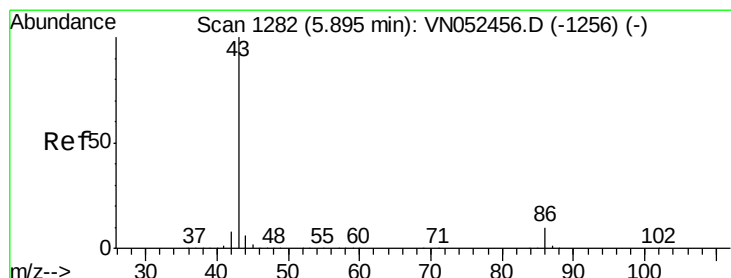
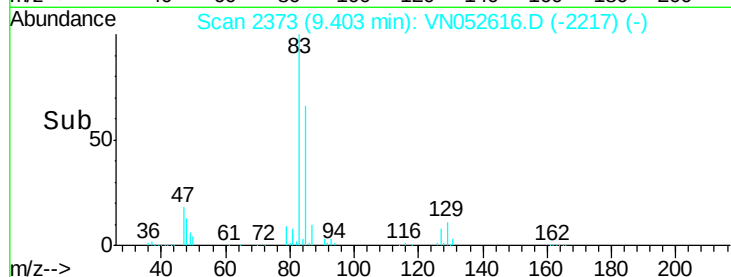
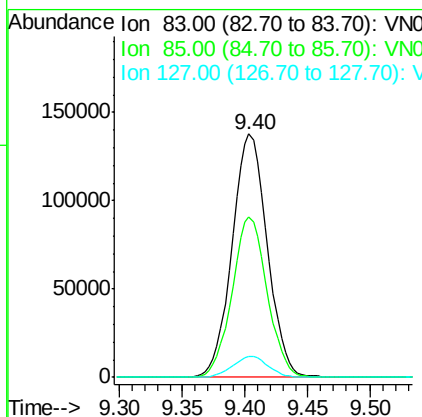
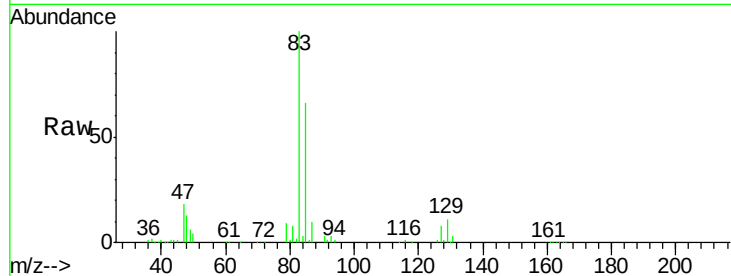
#41
Bromodichloromethane
Concen: 19.679 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6
127	8.4	6.6	9.8

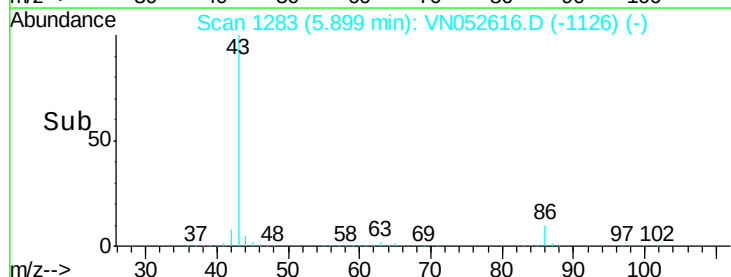
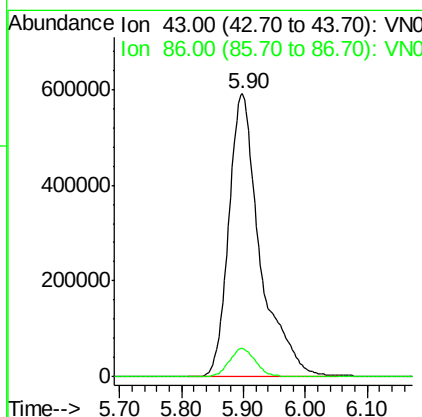
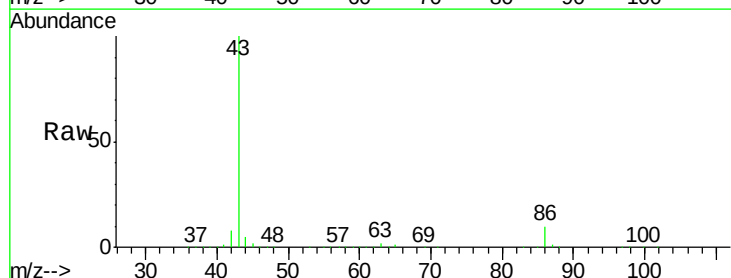
Manual Integrations
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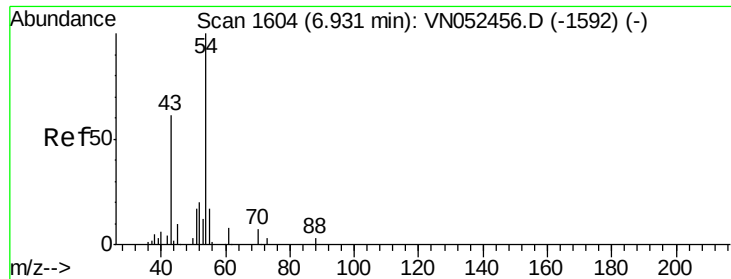
MMDadoda
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#42
Vinyl Acetate
Concen: 101.038 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.5	9.7





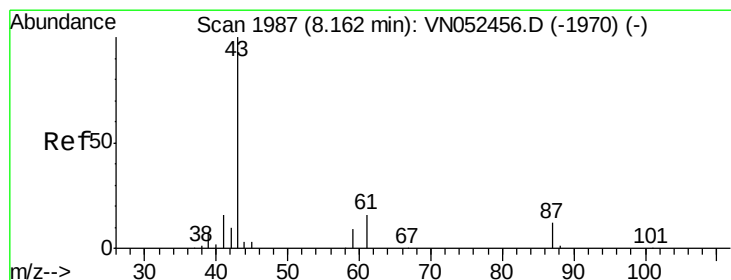
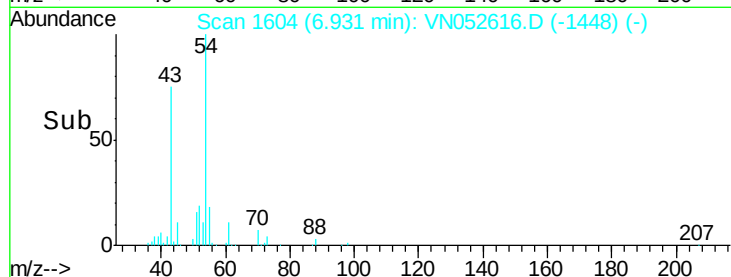
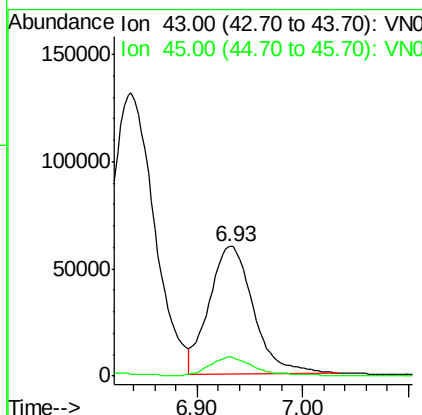
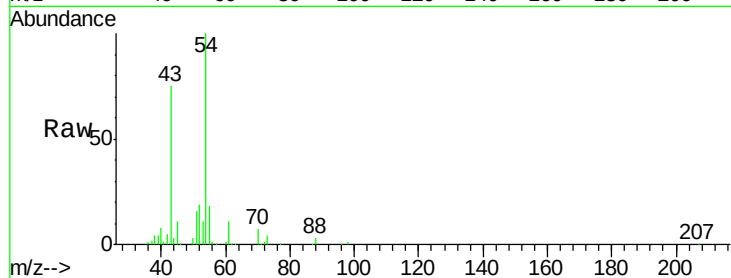
#43
Ethyl Acetate
Concen: 21.504 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 173595
Ion Ratio Lower Upper
43 100
45 13.7 1.0 1.6#

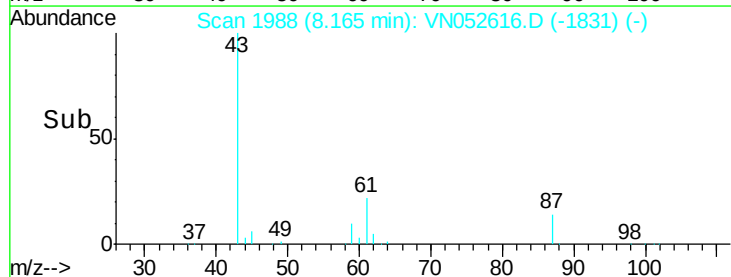
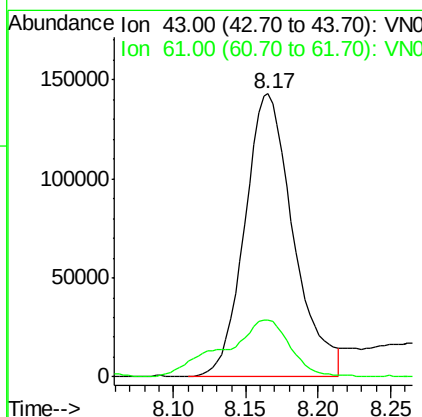
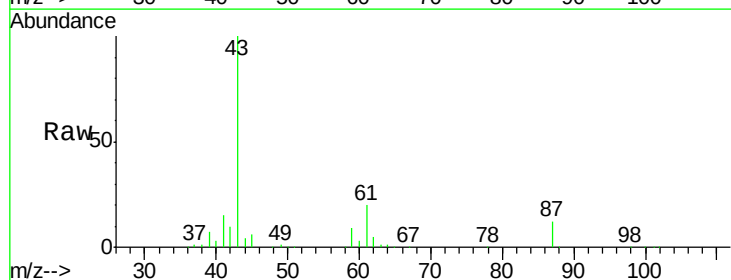
Manual Integrations
APPROVED

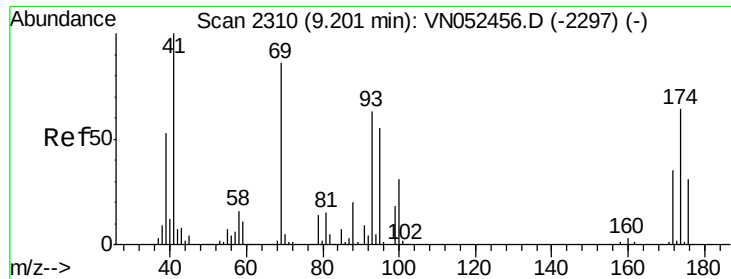
MMDadoda
12/3/2018 10:49:43 AM



#44
Isopropyl Acetate
Concen: 23.421 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 43 Resp: 331603
Ion Ratio Lower Upper
43 100
61 19.0 16.0 24.0





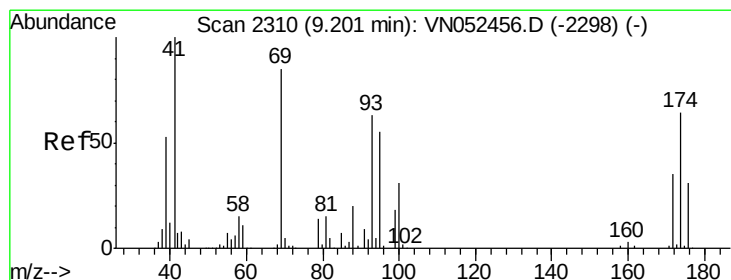
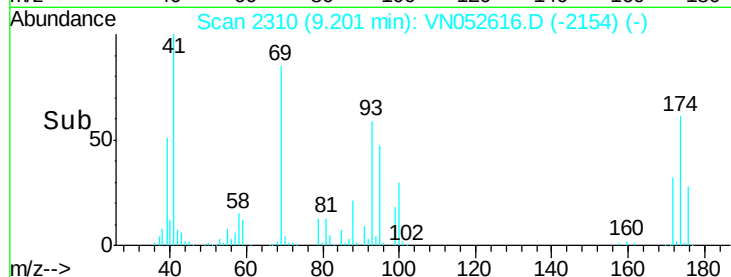
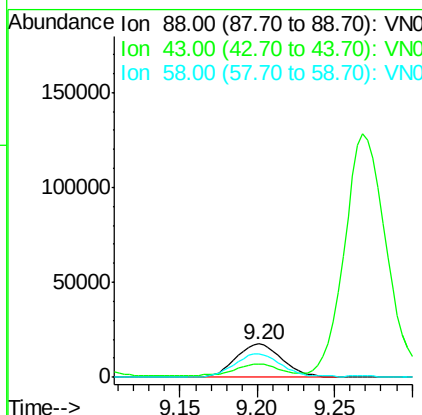
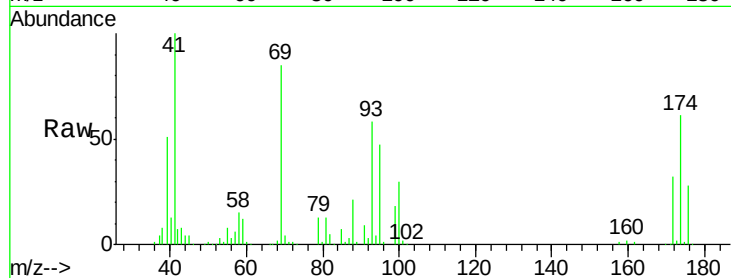
#45
1,4-Dioxane
Concen: 477.534 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.5	29.5	44.3
58	72.4	61.5	92.3

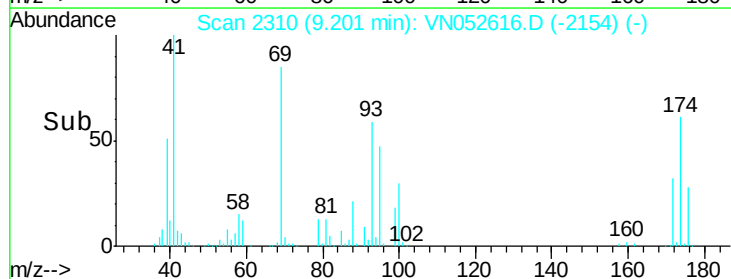
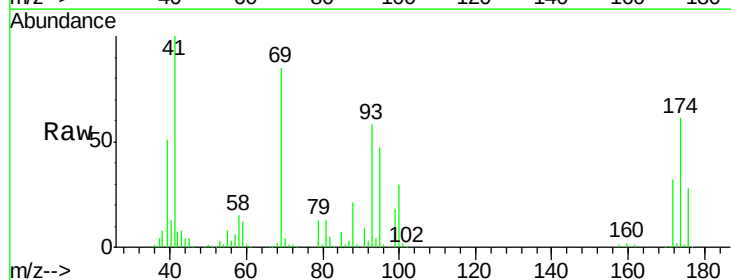
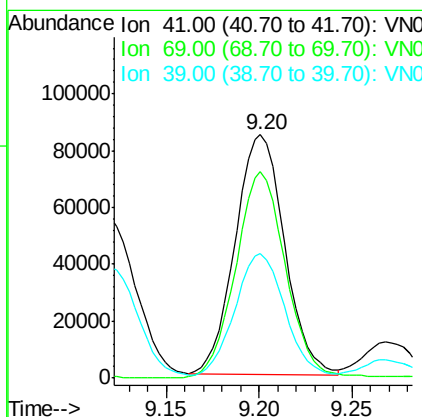
Manual Integrations
APPROVED

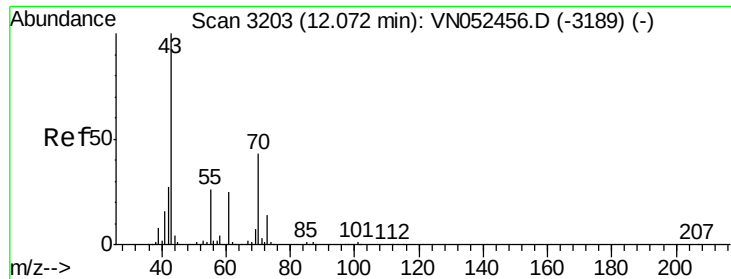
MMDadoda
12/3/2018 10:49:43 AM



#46
Methyl methacrylate
Concen: 21.219 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.5	42.5	127.6
39	50.8	26.3	78.9





#47

n-amyI Acetate

Concen: 21.126 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tgt Ion: 43 Resp: 247993

Ion Ratio Lower Upper

43 100

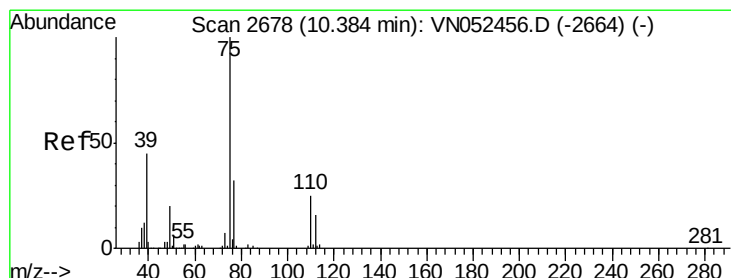
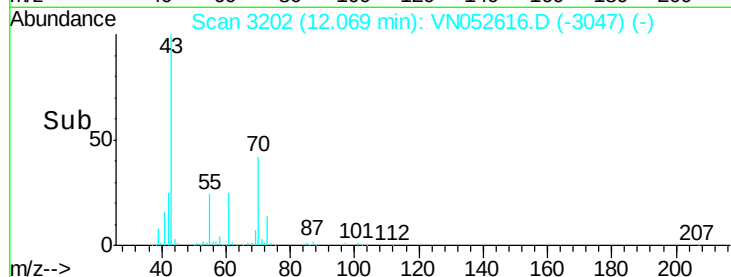
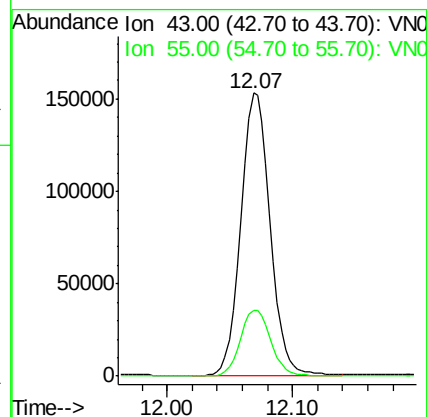
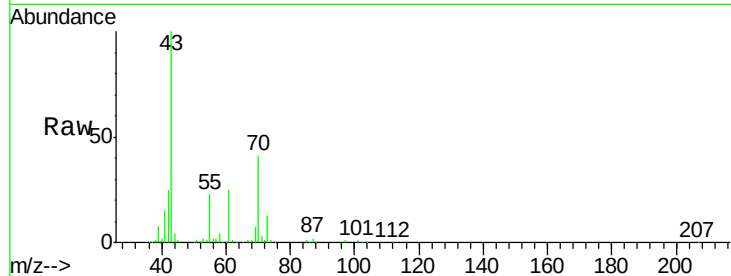
55 24.6 21.1 31.7

Manual Integrations

APPROVED

MMDadoda

12/3/2018 10:49:43 AM



#48

t-1,3-Dichloropropene

Concen: 19.948 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052616.D

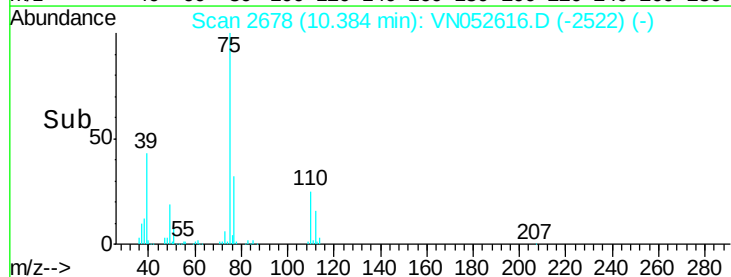
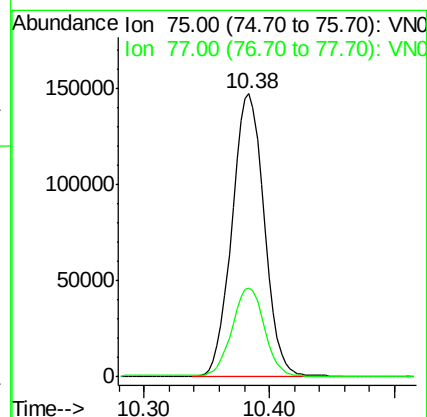
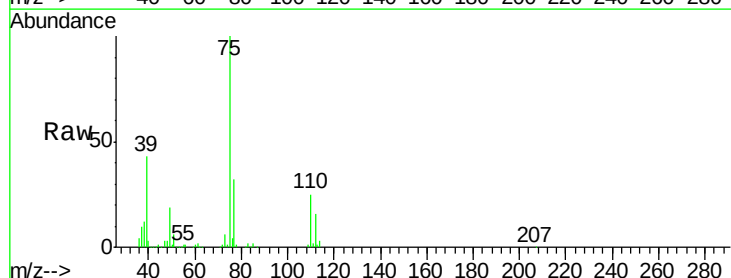
Acq: 30 Nov 2018 19:21

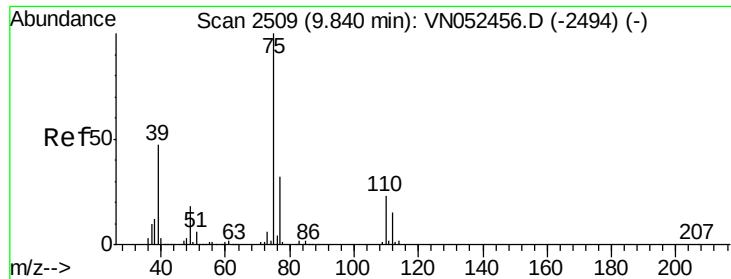
Tgt Ion: 75 Resp: 264052

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4





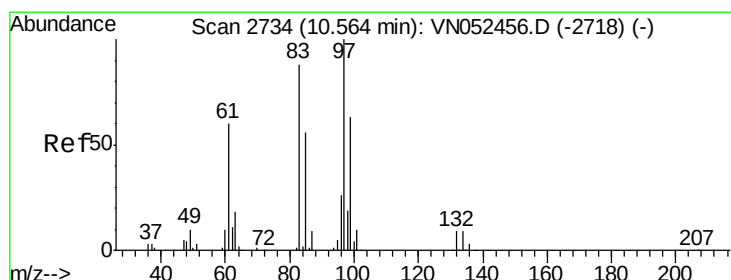
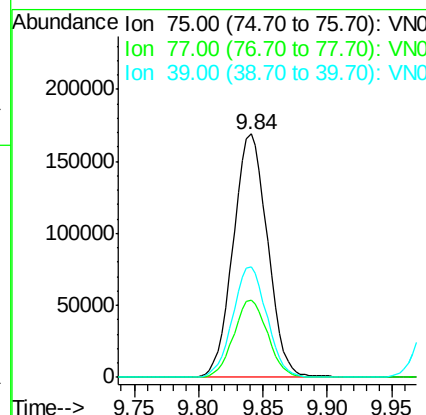
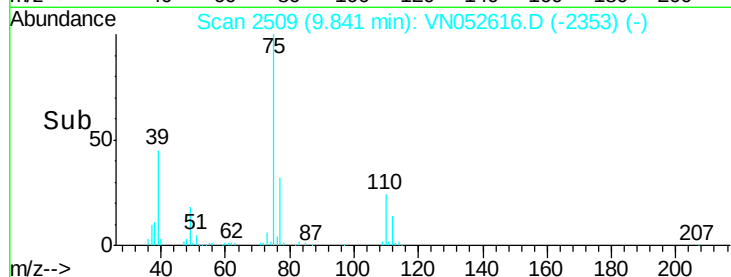
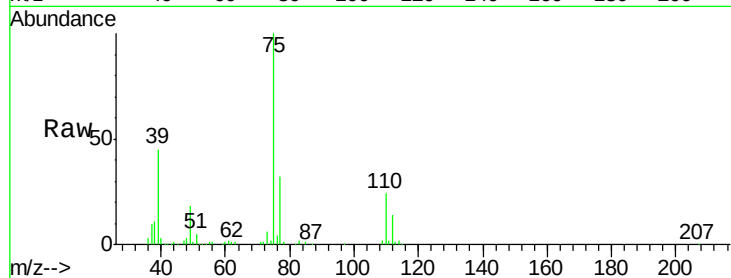
#49
 cis-1,3-Dichloropropene
 Concen: 19.456 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	45.1	37.3	55.9

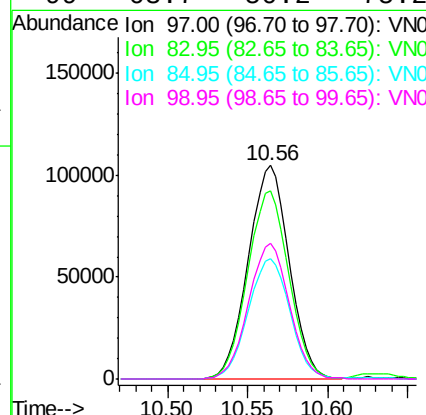
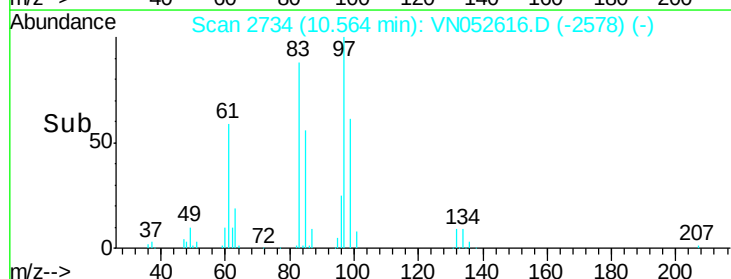
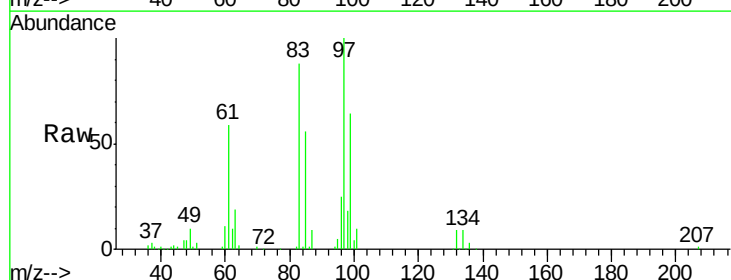
Manual Integrations
 APPROVED

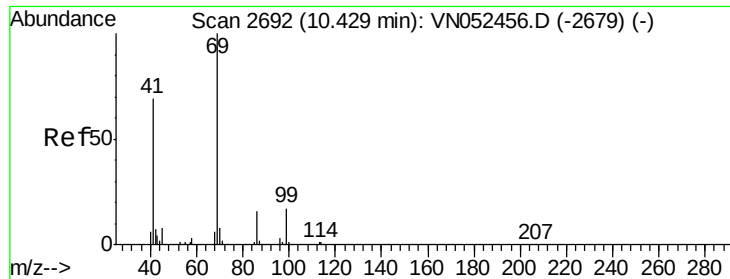
MMDadoda
 12/3/2018 10:49:43 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.968 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.4	105.6
85	56.3	45.0	67.6
99	63.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 21.222 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

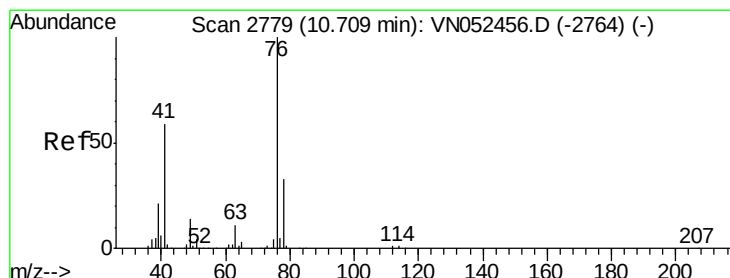
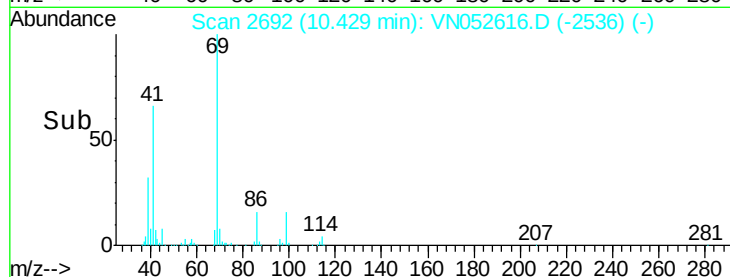
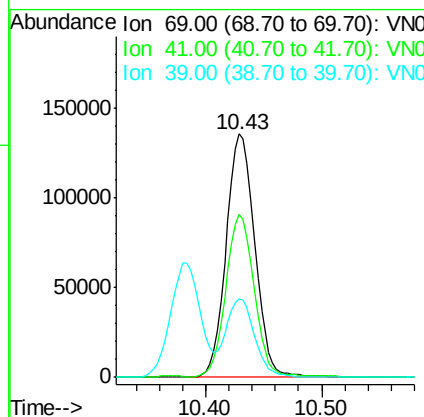
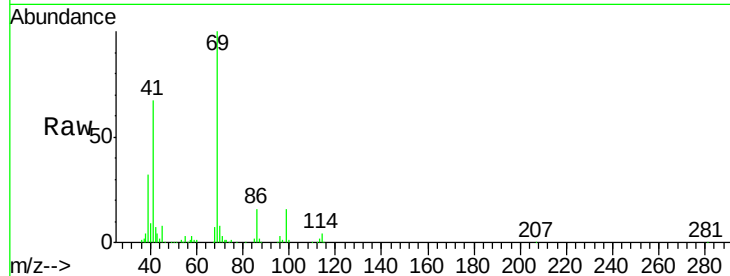
ClientSampled :

VSTDCCC020EC

Tgt Ion:	69	Resp:	233454
Ion Ratio	Lower	Upper	
69	100		
41	66.4	34.4	103.3
39	31.8	16.4	49.2

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:43 AM



#52

1,3-Dichloropropane

Concen: 20.495 ug/l

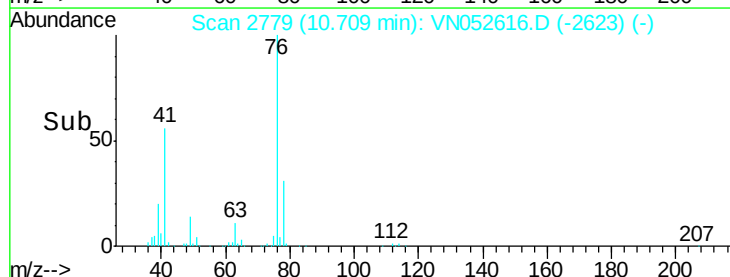
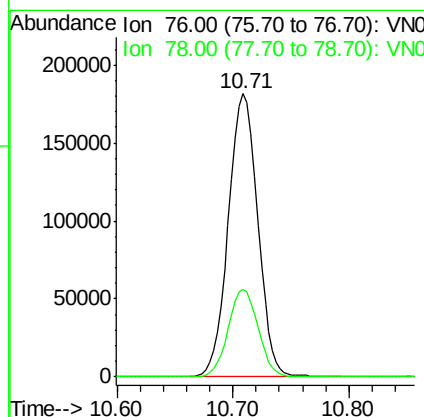
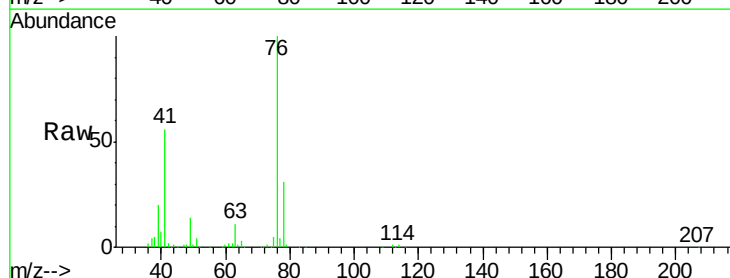
RT: 10.71 min Scan# 2779

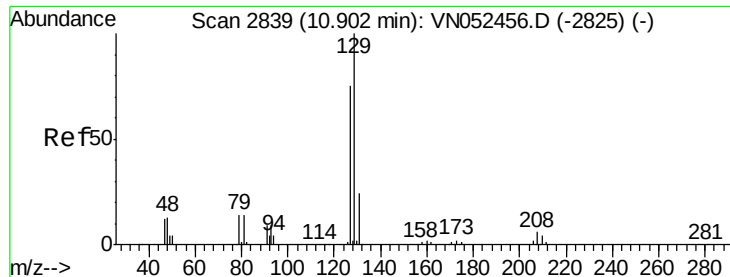
Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Tgt Ion:	76	Resp:	319531
Ion Ratio	Lower	Upper	
76	100		
78	31.5	0.0	64.8





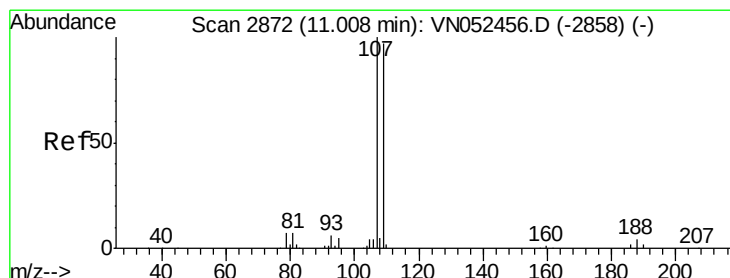
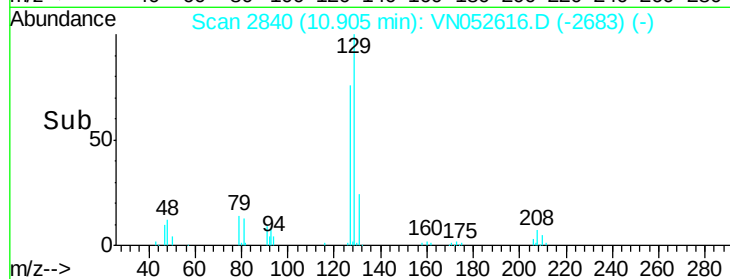
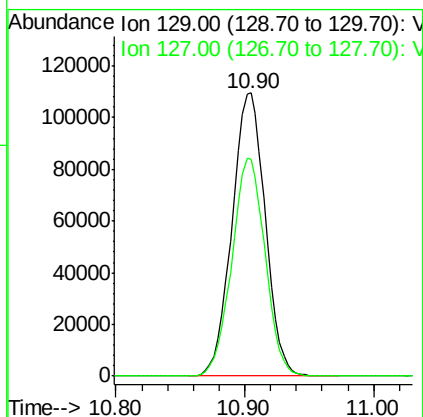
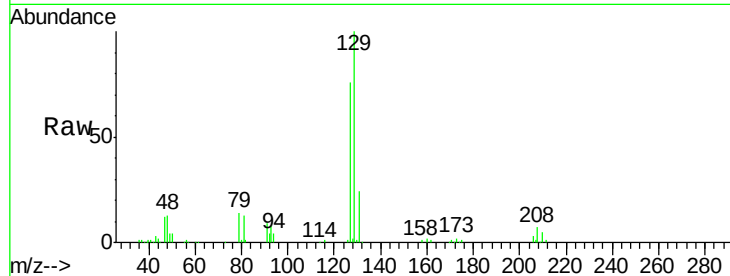
#53
 Dibromochloromethane
 Concen: 20.331 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:129 Resp: 196055
 Ion Ratio Lower Upper
 129 100
 127 76.7 37.6 112.8

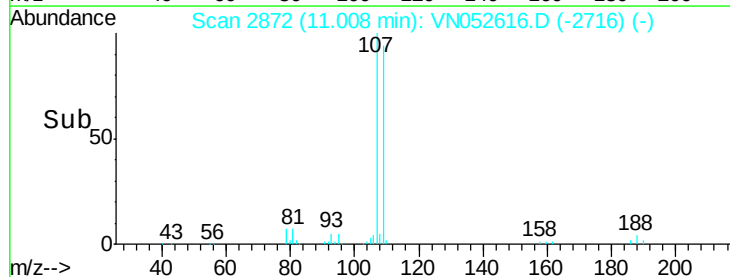
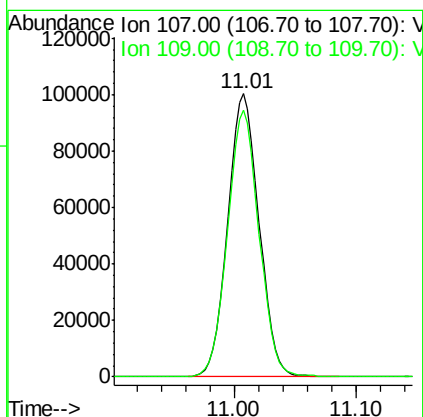
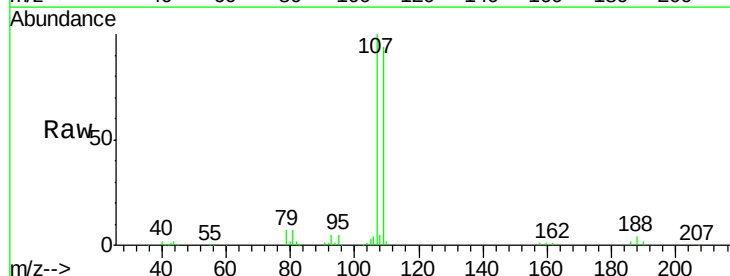
Manual Integrations
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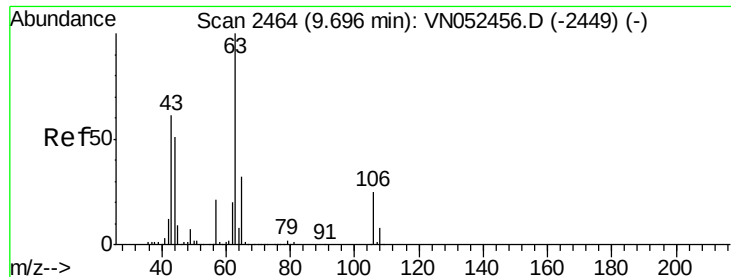
MMDadoda
 12/3/2018 10:49:43 AM



#54
 1,2-Dibromoethane
 Concen: 20.971 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion:107 Resp: 179486
 Ion Ratio Lower Upper
 107 100
 109 94.8 77.1 115.7





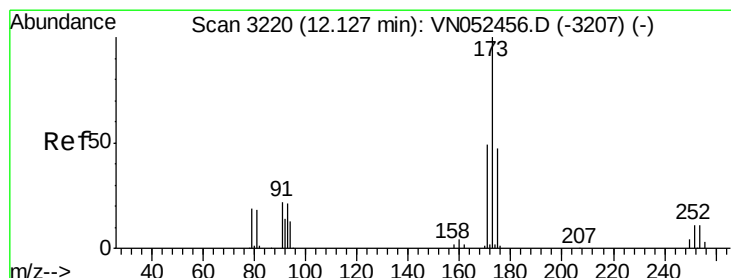
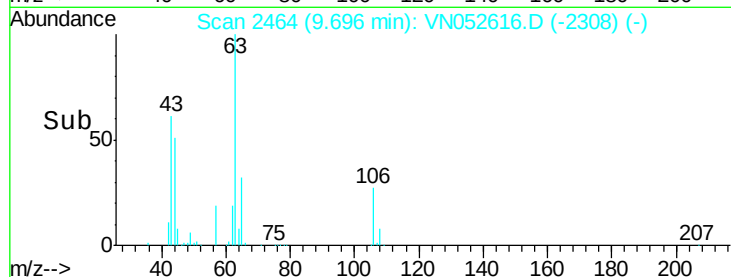
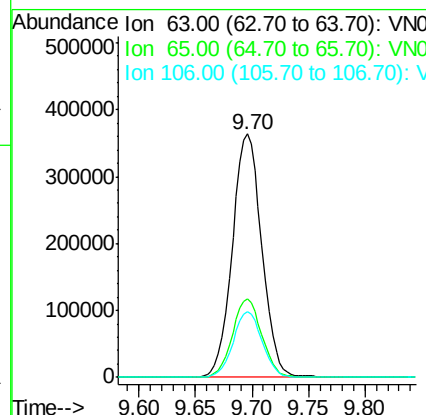
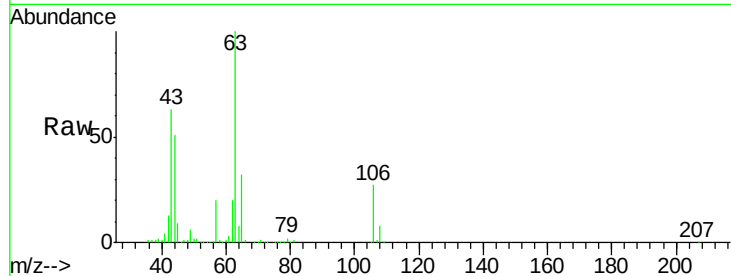
#55
 2-Chloroethyl vinyl ether
 Concen: 102.081 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.2
106	26.6	20.4	30.6

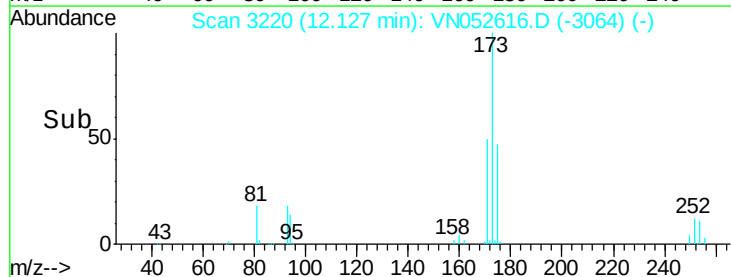
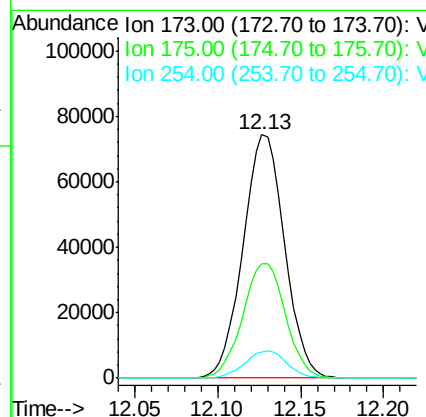
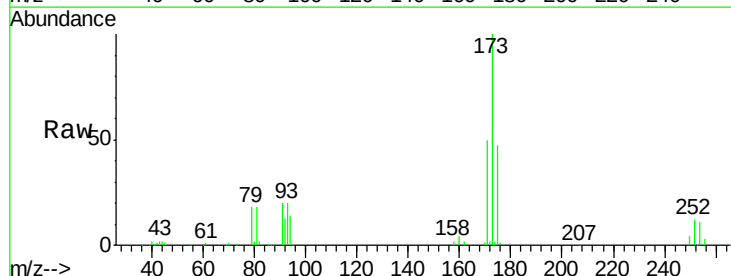
Manual Integrations
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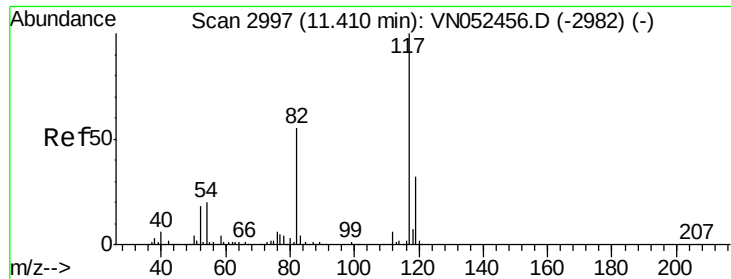
MMDadoda
 12/3/2018 10:49:43 AM



#56
 Bromoform
 Concen: 20.598 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.7	58.1
254	11.4	8.4	12.6





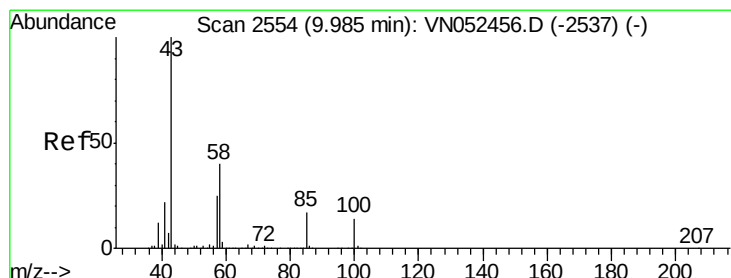
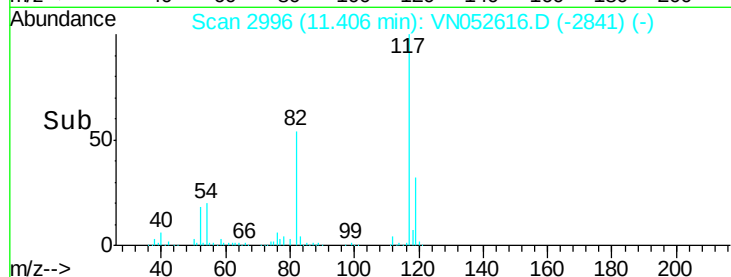
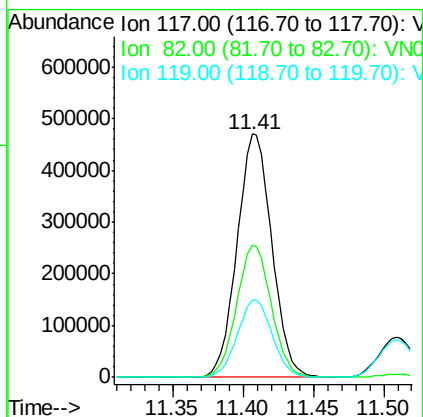
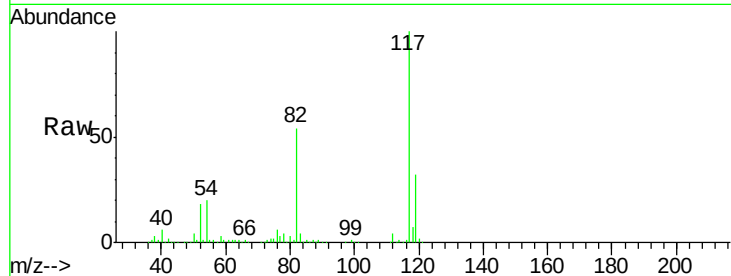
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	813348		
82	54.3	44.2	66.2	
119	32.0	25.4	38.2	

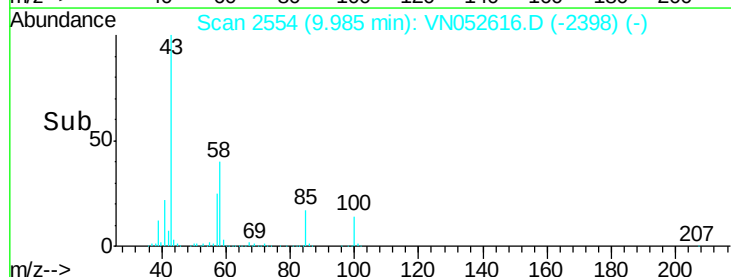
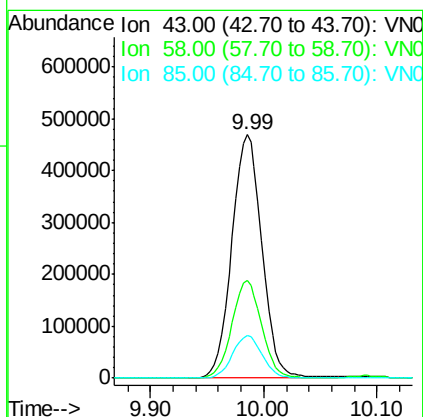
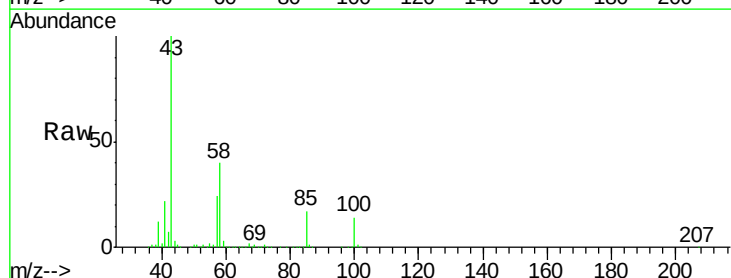
Manual Integrations
APPROVED

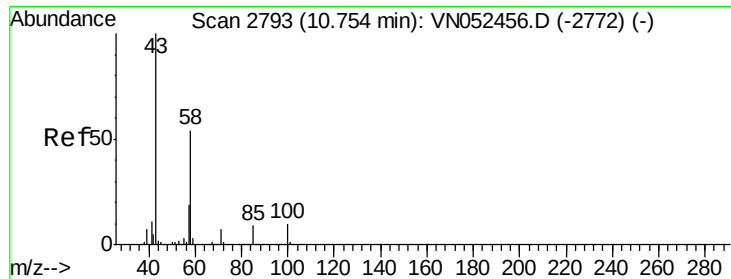
MMDadoda
12/3/2018 10:49:43 AM



#58
4-Methyl-2-Pentanone
Concen: 109.837 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	866085		
58	39.7	31.6	47.4	
85	17.3	13.3	19.9	





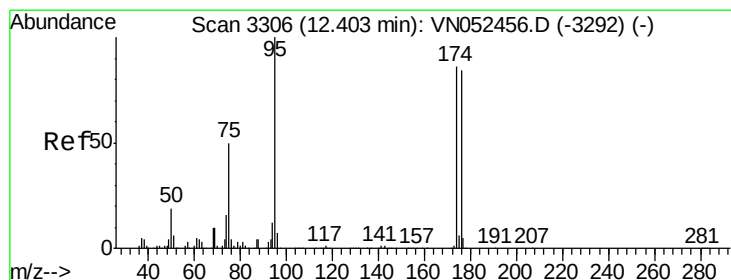
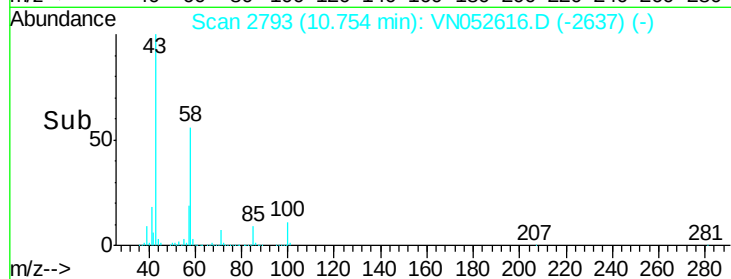
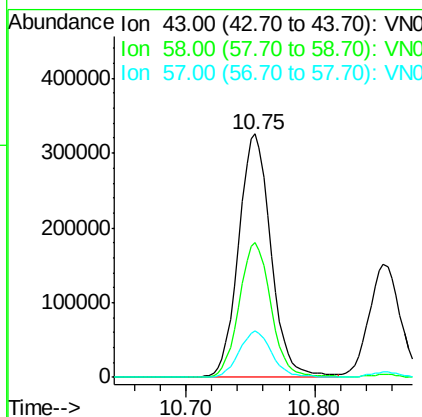
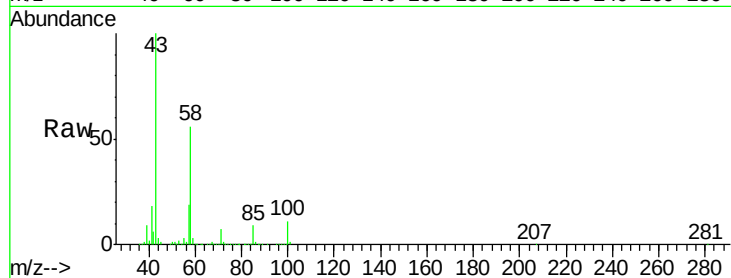
#59
2-Hexanone
Concen: 105.226 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.2	64.8
57	19.4	14.9	22.3

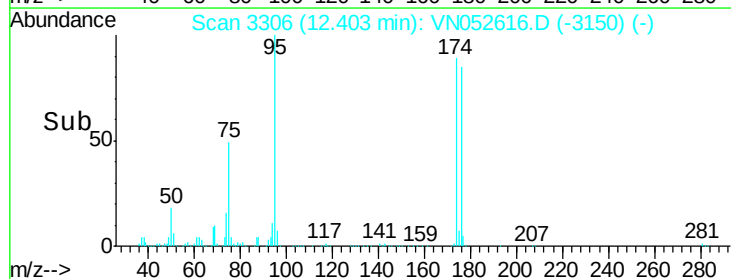
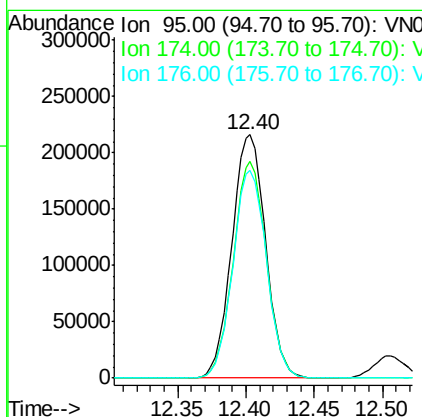
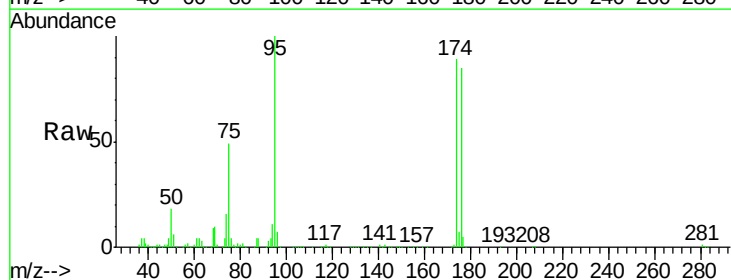
Manual Integrations
APPROVED

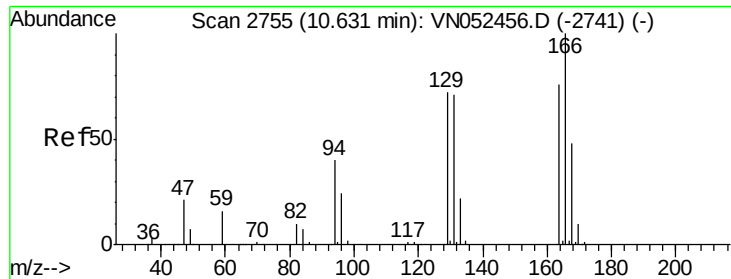
MMDadoda
12/3/2018 10:49:43 AM



#60
4-Bromofluorobenzene
Concen: 105.226 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.2	67.9	101.9
176	84.9	66.4	99.6





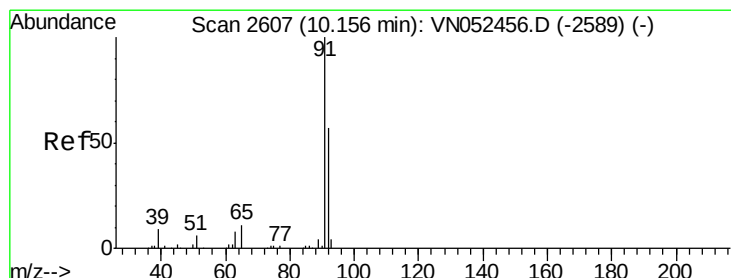
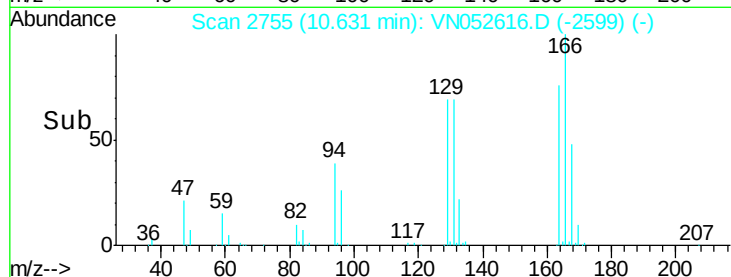
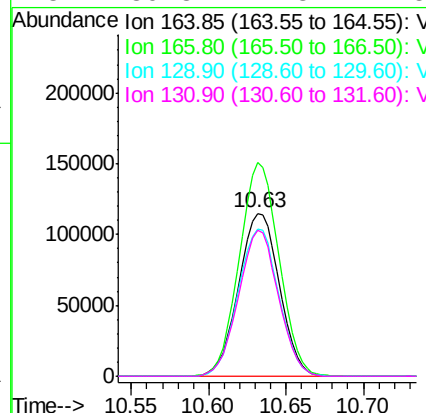
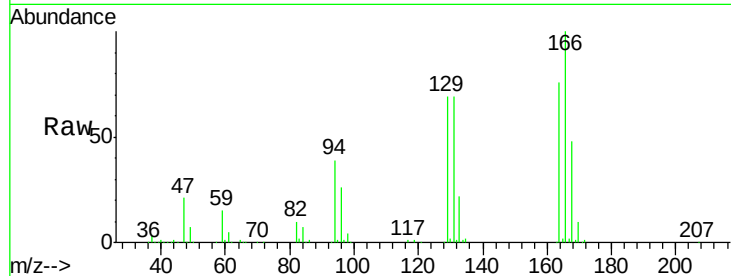
#61
Tetrachloroethene
Concen: 21.066 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.6	157.0
129	90.3	75.3	112.9
131	89.8	74.3	111.5

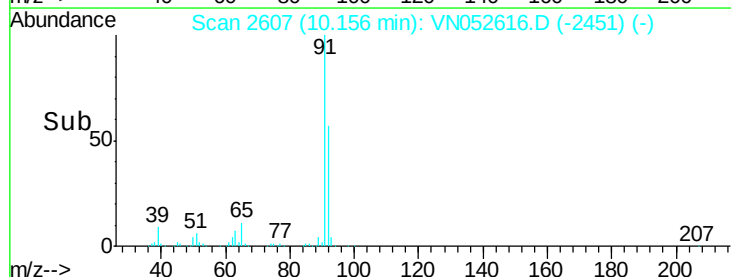
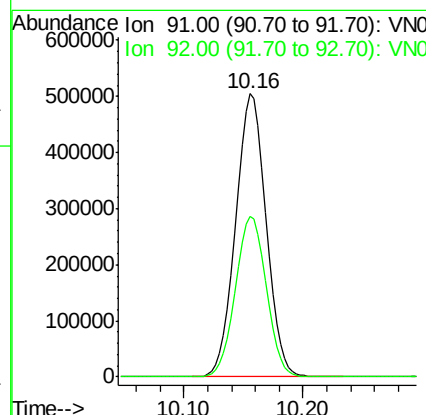
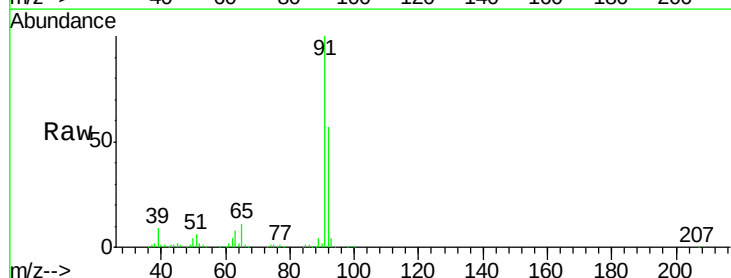
Manual Integrations
APPROVED

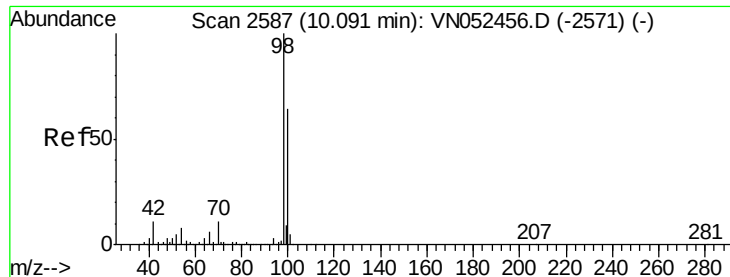
MMDadoda
12/3/2018 10:49:43 AM



#62
Toluene
Concen: 20.000 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	45.4	68.2





#63

Toluene-d8

Concen: 20.000 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 98 Resp: 1115104

Ion Ratio Lower Upper

98 100

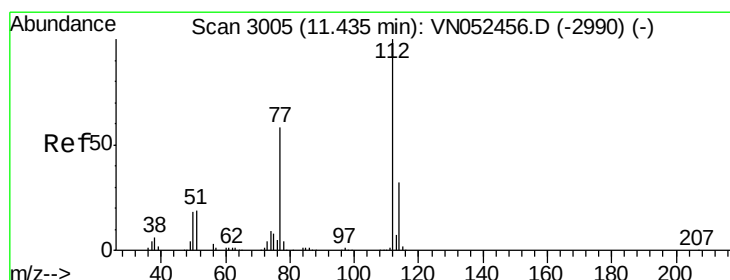
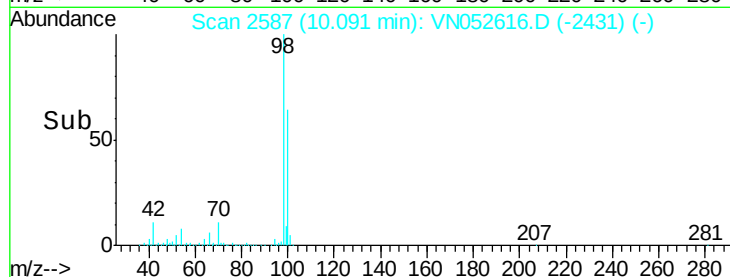
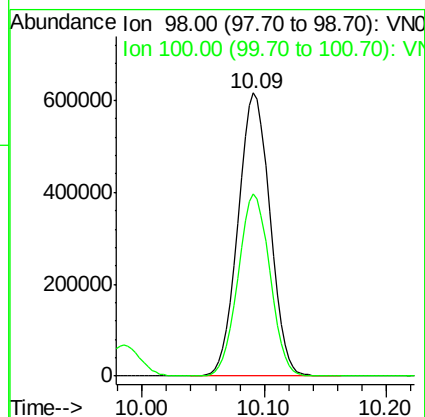
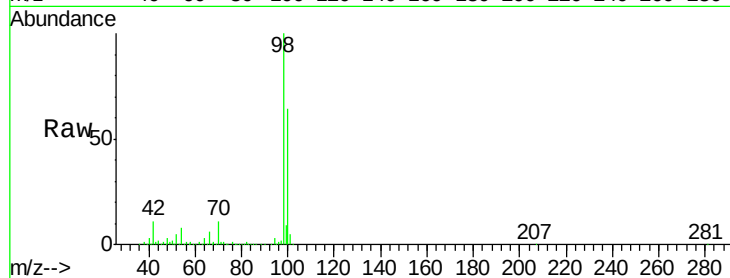
100 63.9 51.1 76.7

Manual Integrations

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#64

Chlorobenzene

Concen: 20.091 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052616.D

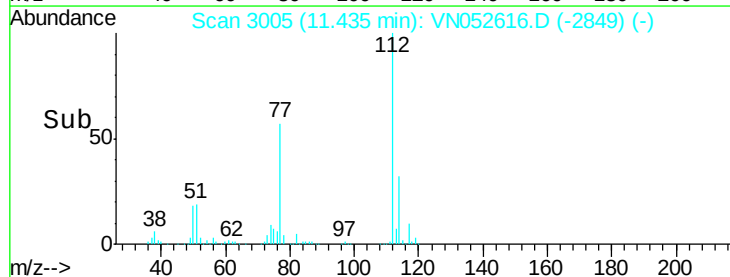
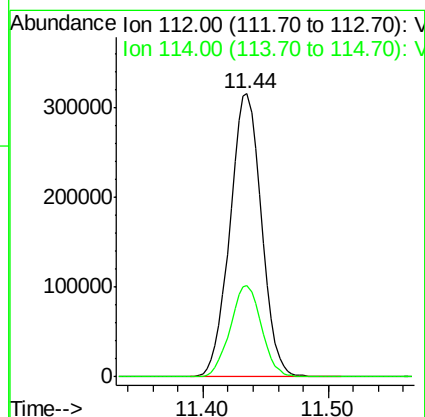
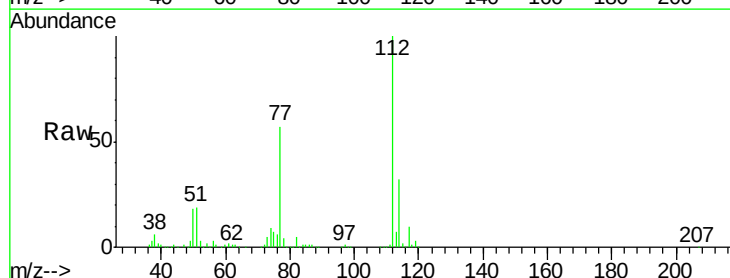
Acq: 30 Nov 2018 19:21

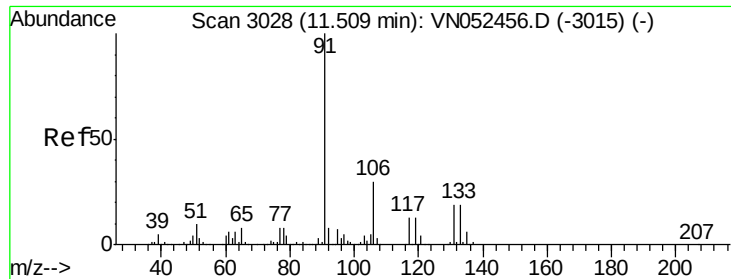
Tgt Ion: 112 Resp: 549828

Ion Ratio Lower Upper

112 100

114 32.3 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.315 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

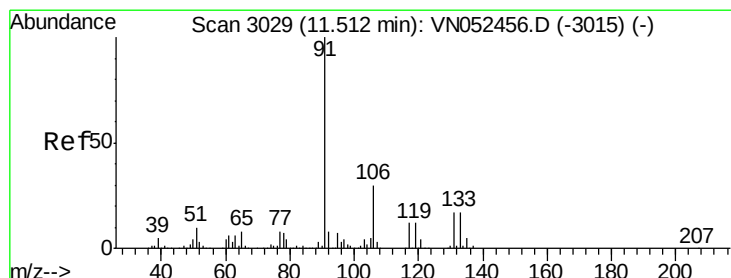
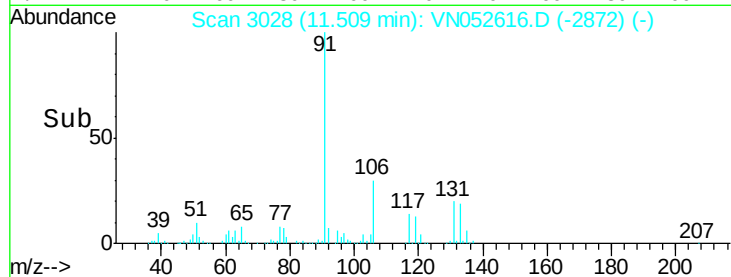
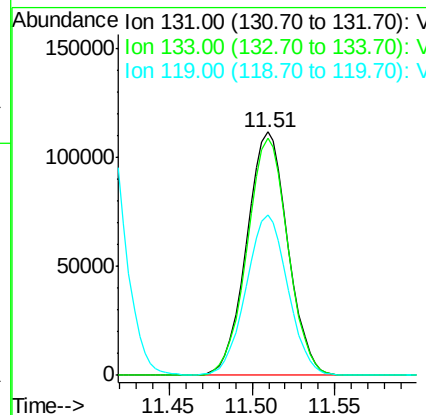
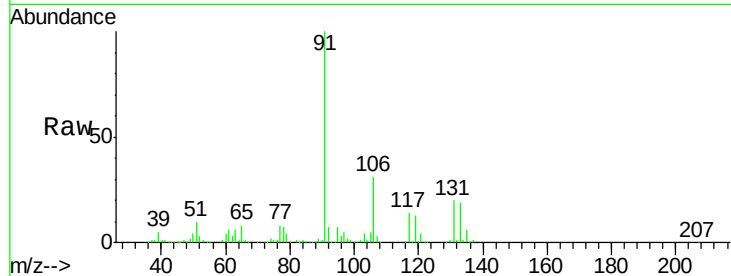
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	131	Resp:	192981
Ion Ratio	Lower	Upper	
131	100		
133	96.6	0.0	193.4
119	66.7	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.848 ug/l

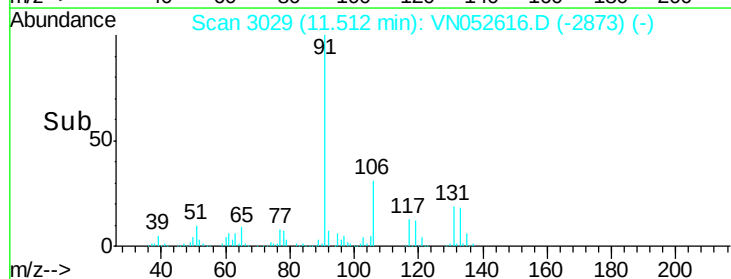
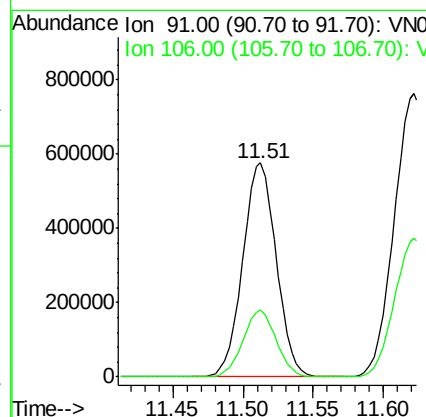
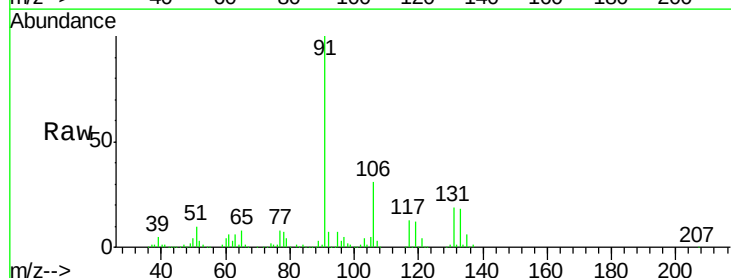
RT: 11.51 min Scan# 3029

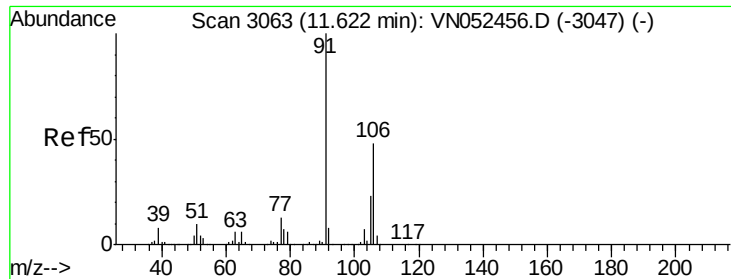
Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Tgt Ion:	91	Resp:	959165
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.3	36.5





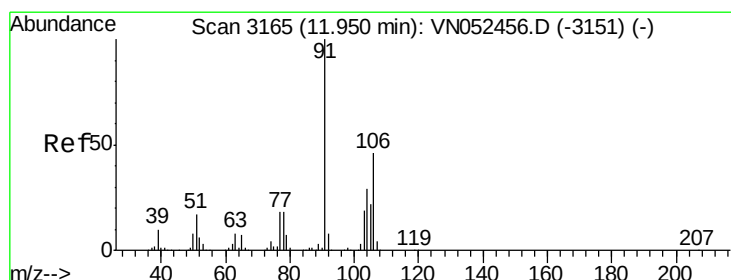
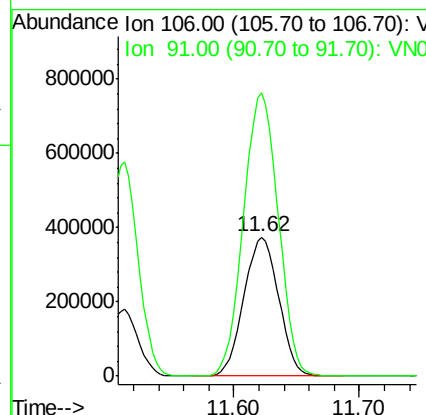
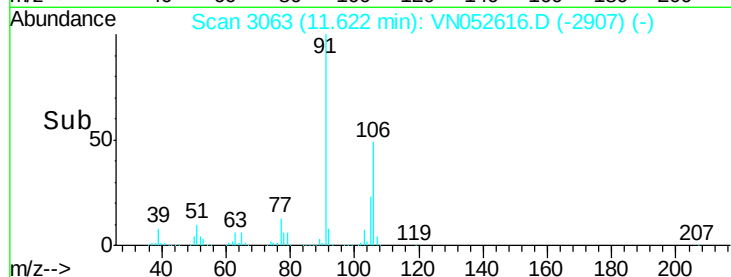
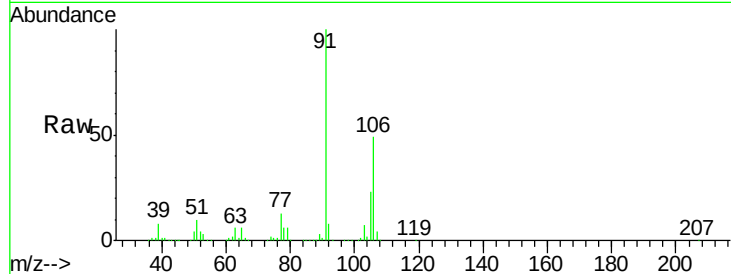
#67
m/p-Xylenes
Concen: 40.078 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tgt Ion:106 Resp: 721547
Ion Ratio Lower Upper
106 100
91 203.9 163.9 245.9

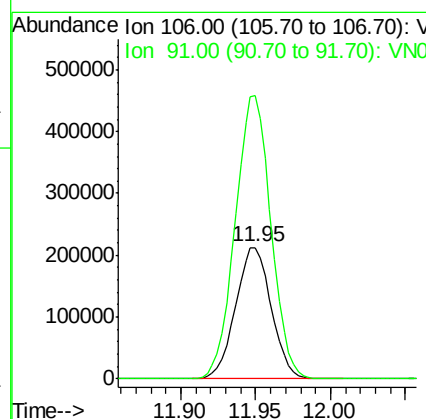
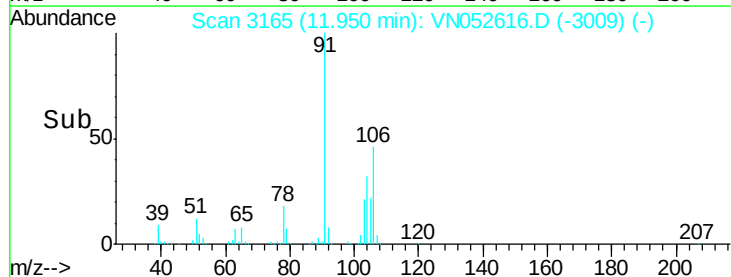
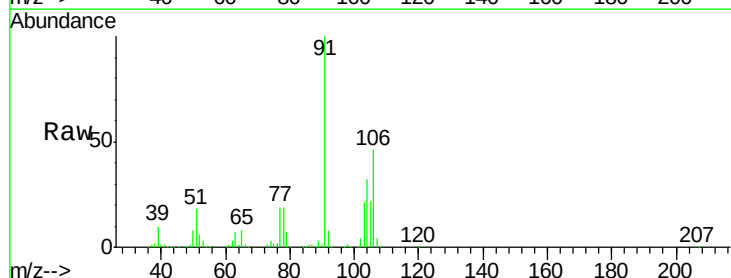
Manual Integrations
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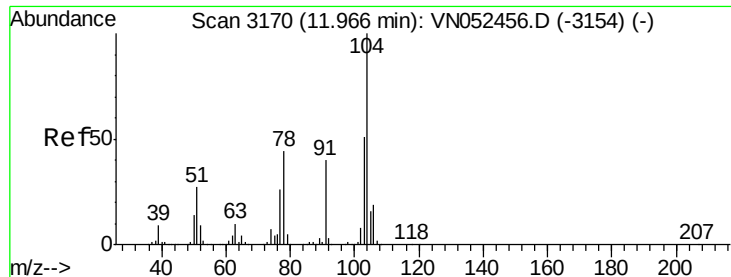
MMDadoda
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#68
o-Xylene
Concen: 20.169 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion:106 Resp: 352445
Ion Ratio Lower Upper
106 100
91 215.9 107.8 323.4





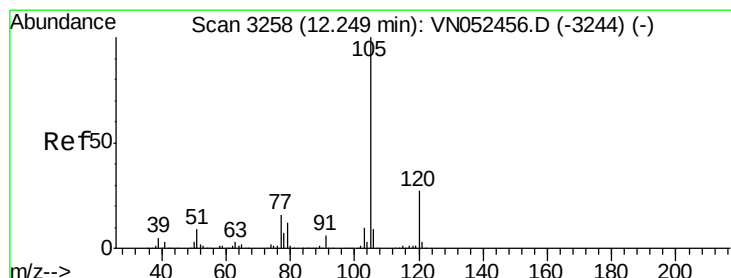
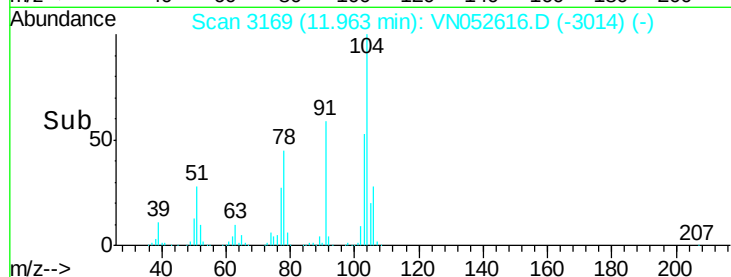
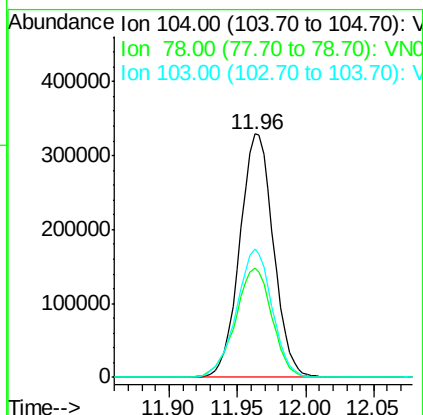
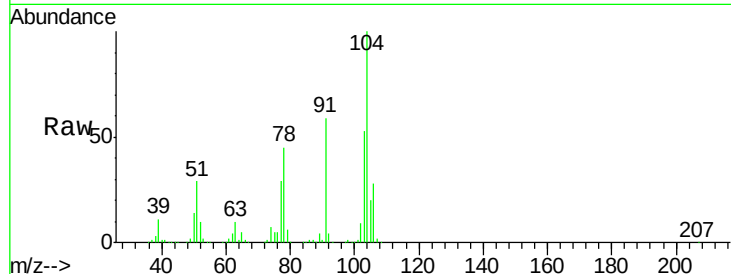
#69
Styrene
Concen: 20.023 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	55.5	44.6	66.8

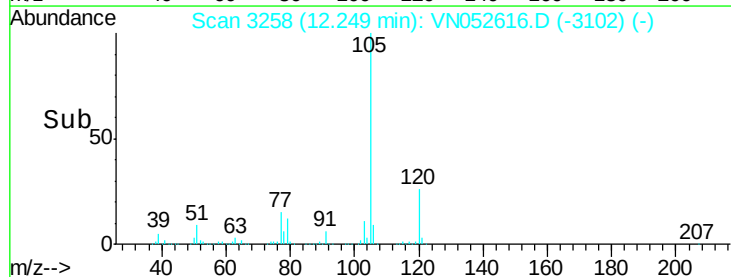
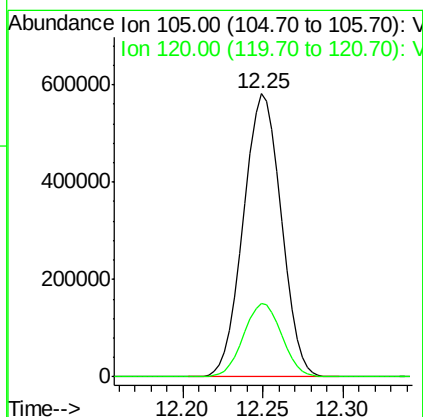
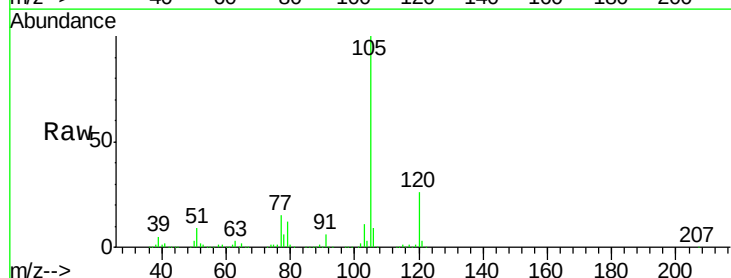
Manual Integrations
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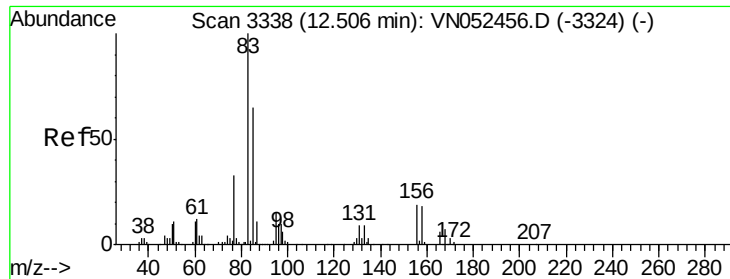
MMDadoda
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#70
Isopropylbenzene
Concen: 20.237 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.6	34.6





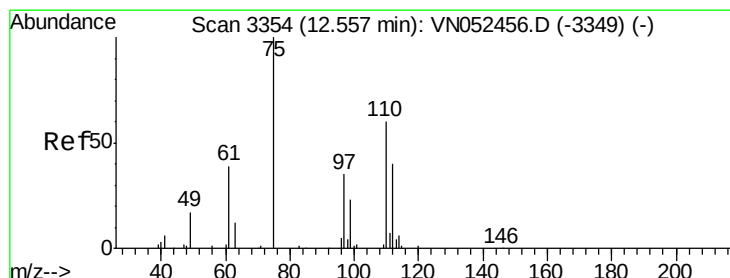
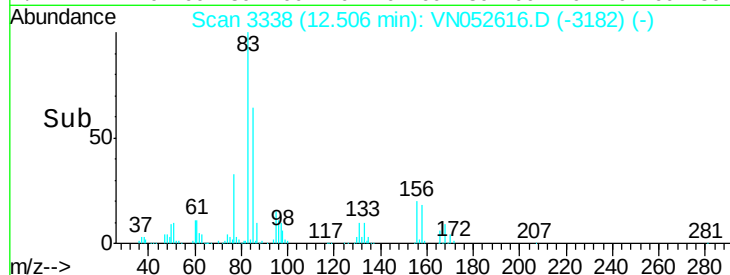
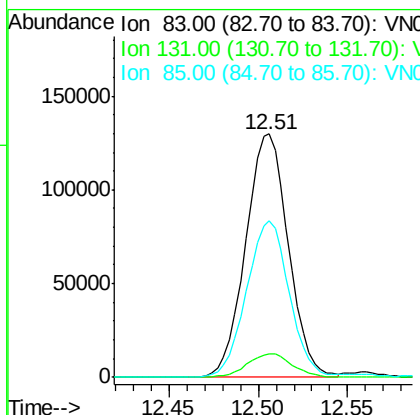
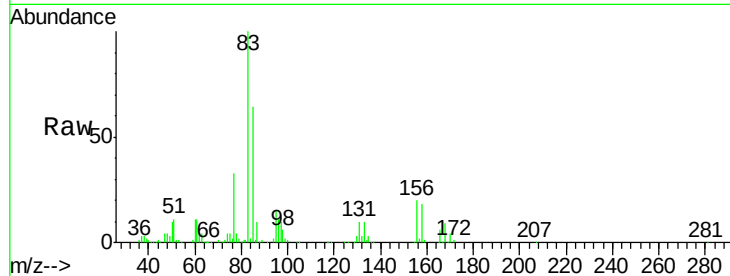
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.472 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.6
85	64.2	32.2	96.6

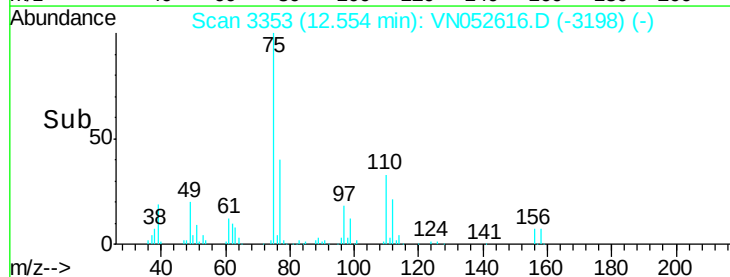
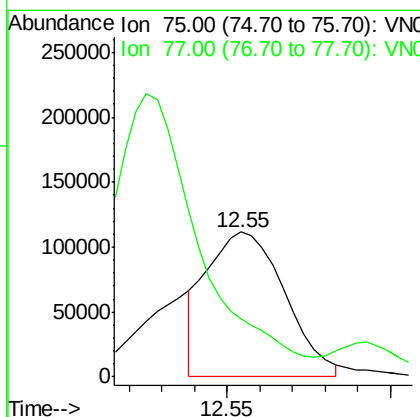
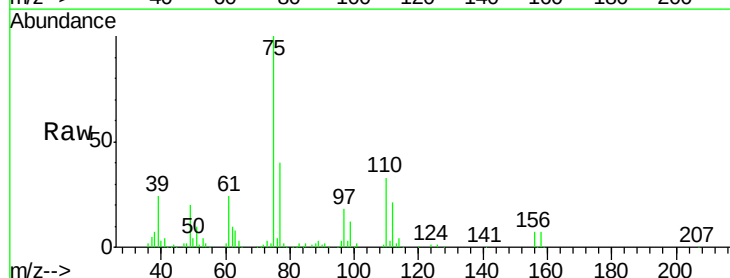
Manual Integrations
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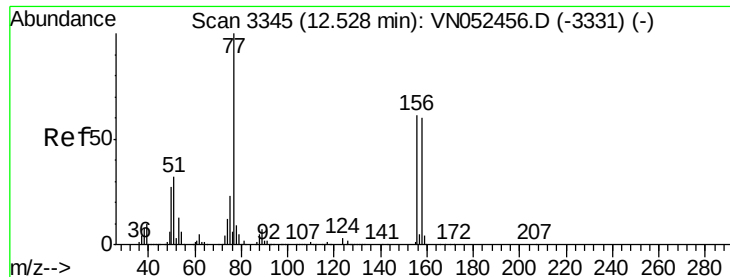
MMDadoda
 12/3/2018 10:49:43 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.377 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	229.4	0.0	514.8





#73

Bromobenzene

Concen: 20.788 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

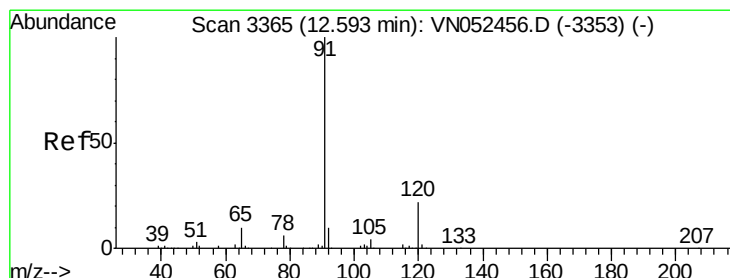
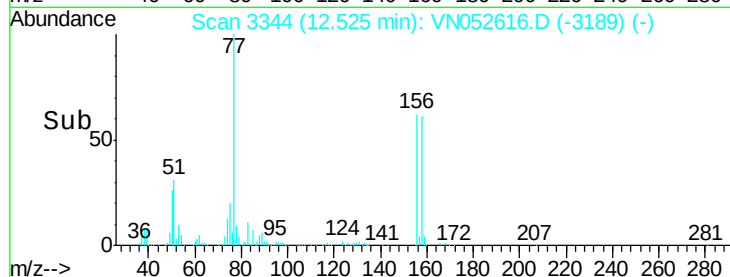
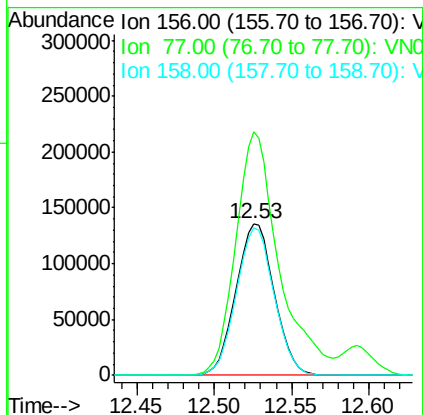
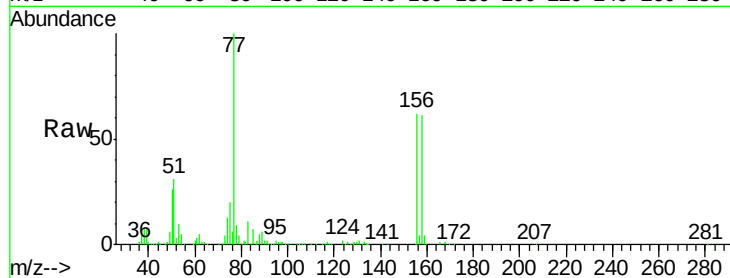
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	156	Resp:	233750
Ion Ratio	Lower	Upper	
156	100		
77	182.2	0.0	382.6
158	96.3	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.539 ug/l

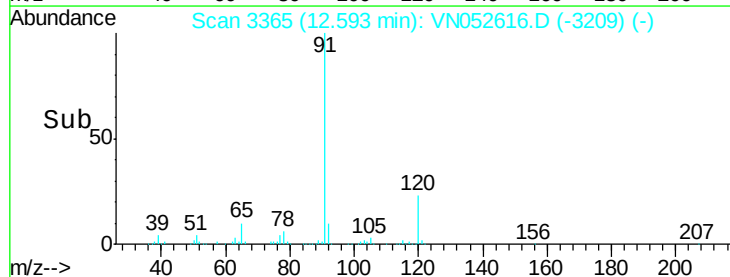
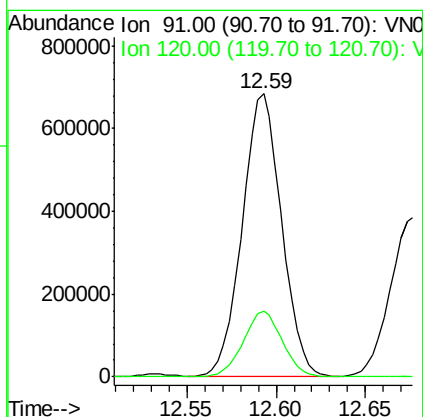
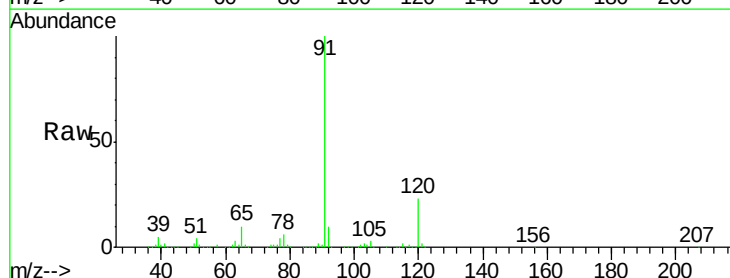
RT: 12.59 min Scan# 3365

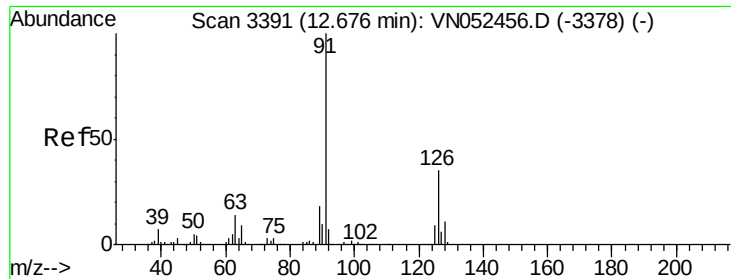
Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Tgt Ion:	91	Resp:	1058457
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.182 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tgt Ion: 91 Resp: 634579

Ion Ratio Lower Upper

91 100

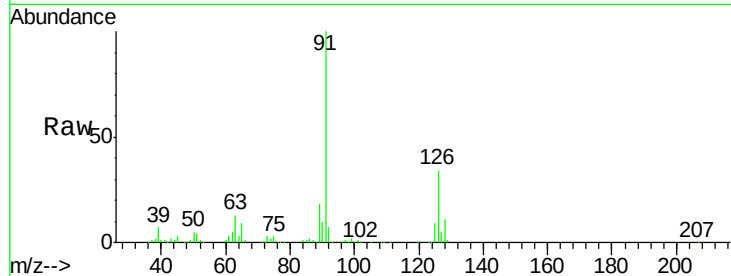
126 34.3 0.0 68.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)

600000

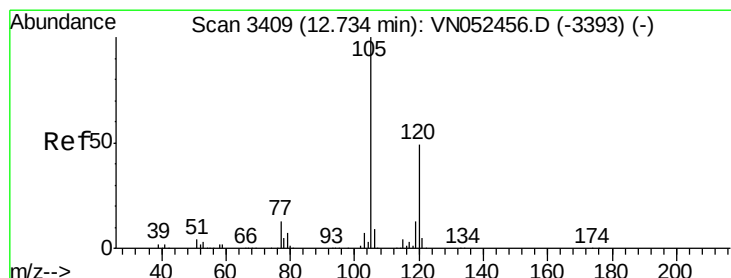
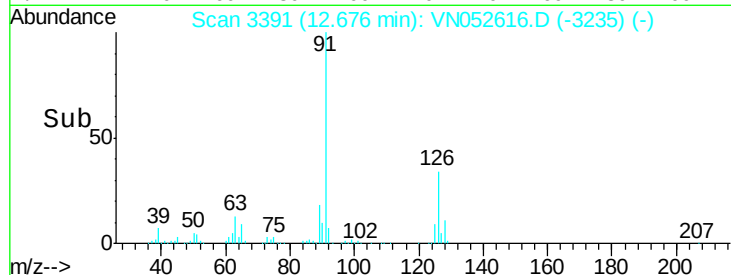
400000

200000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.336 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052616.D

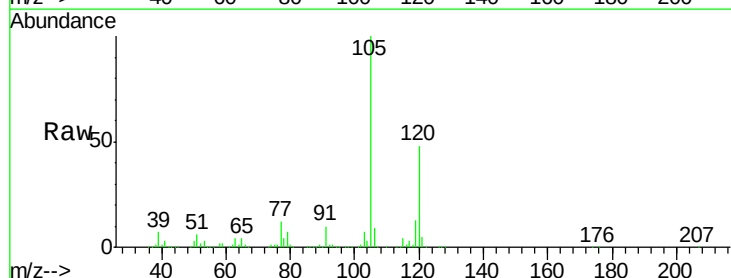
Acq: 30 Nov 2018 19:21

Tgt Ion: 105 Resp: 763668

Ion Ratio Lower Upper

105 100

120 48.5 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)

500000

400000

300000

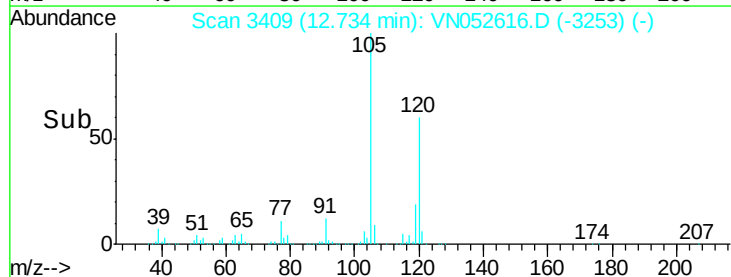
200000

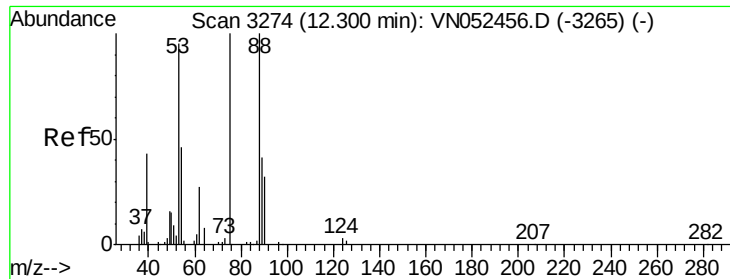
100000

0

12.70 12.80

Time-->





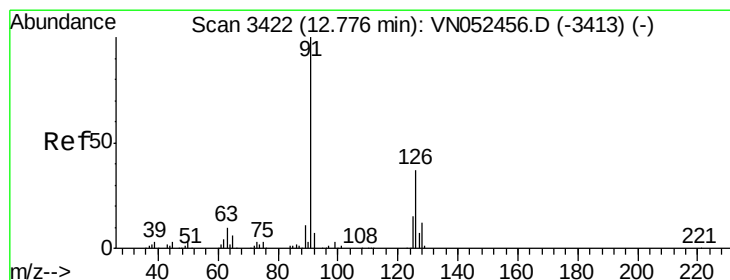
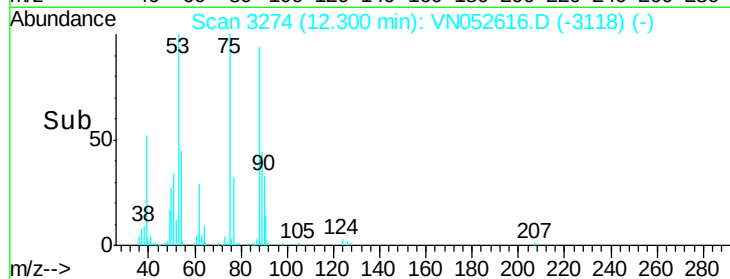
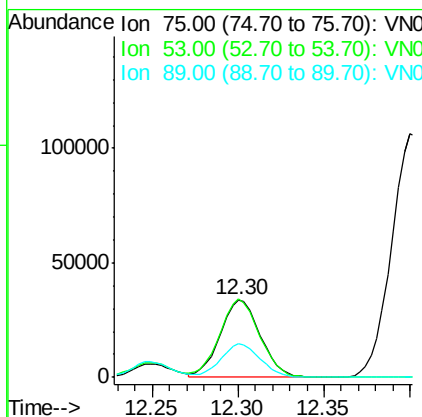
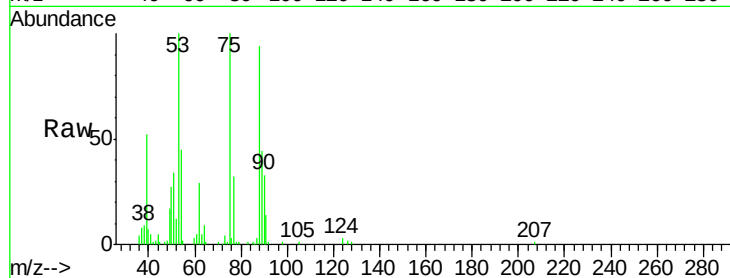
#77
t-1,4-Dichloro-2-butene
Concen: 20.125 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.9	48.5	145.6
89	43.9	21.7	65.1

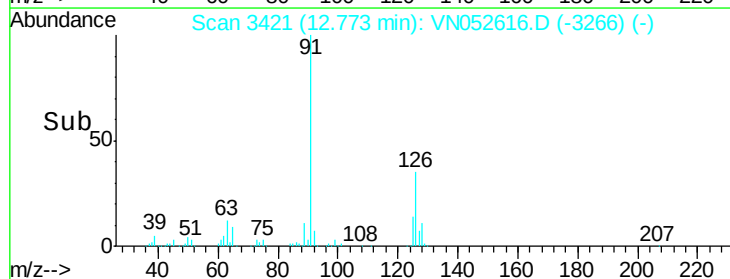
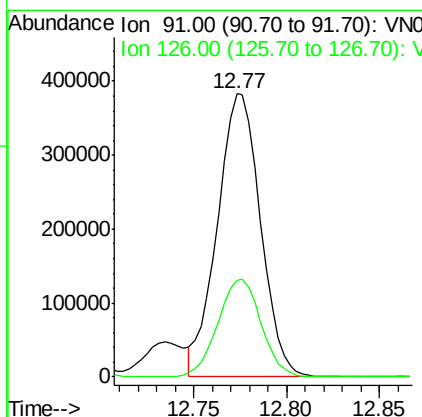
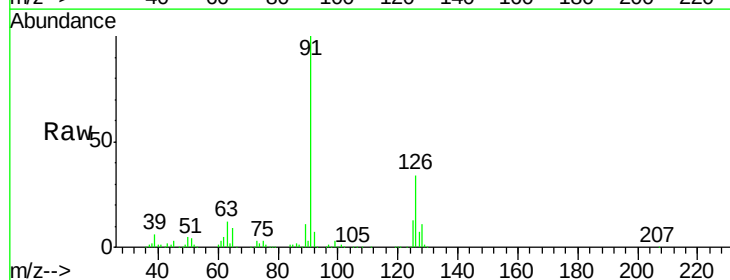
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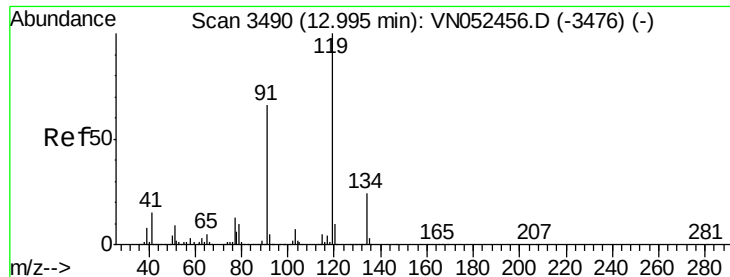
MMDadoda
12/3/2018 10:49:43 AM



#78
4-Chlorotoluene
Concen: 19.669 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	68.2





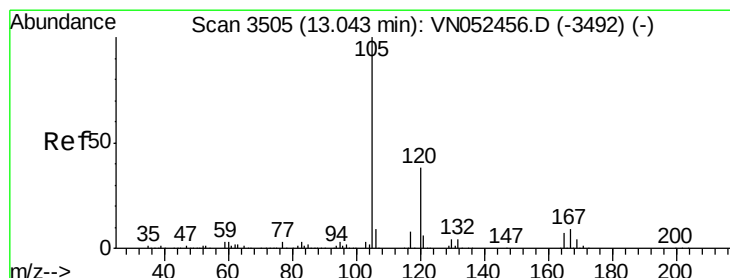
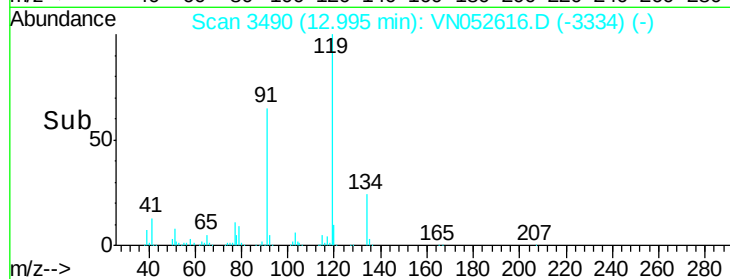
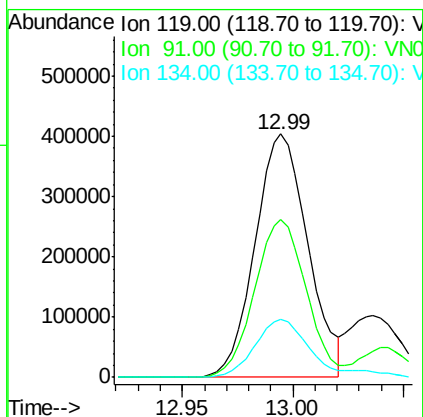
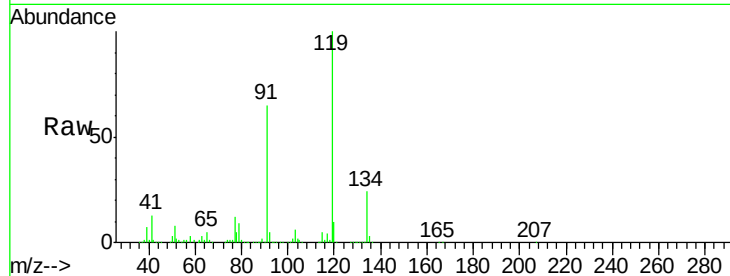
#79
tert-butylbenzene
Concen: 20.535 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	671574		
91	63.5	0.0	129.8	
134	23.8	0.0	52.2	

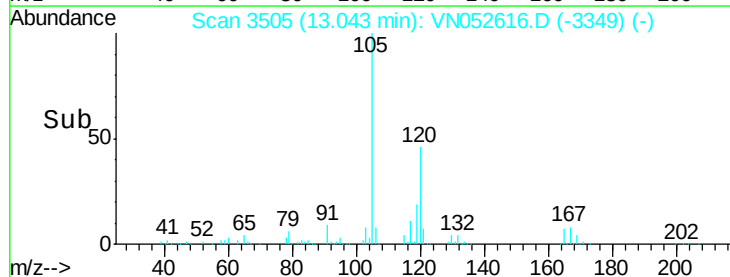
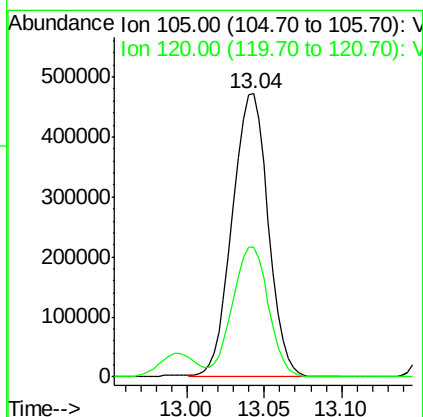
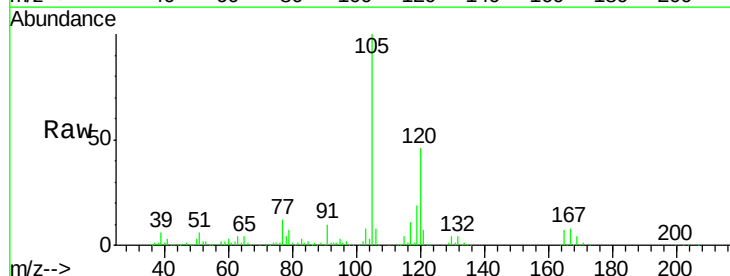
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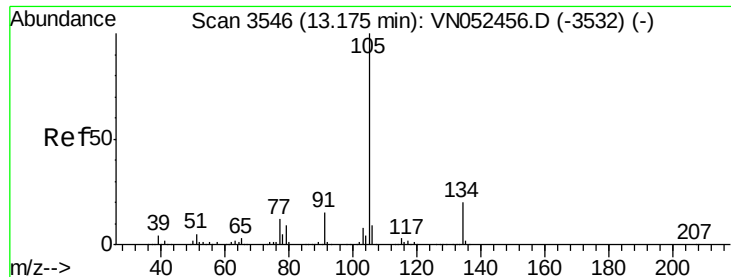
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12/3/2018 10:49:43 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.271 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	761719		
120	46.2	0.0	91.0	





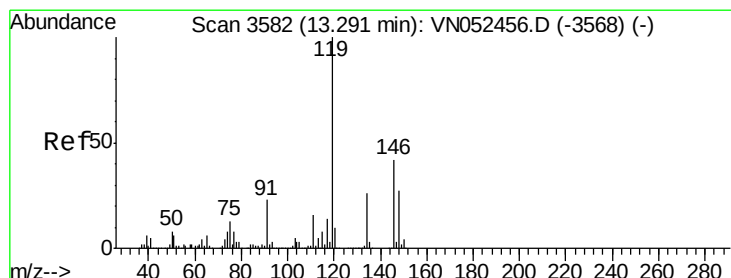
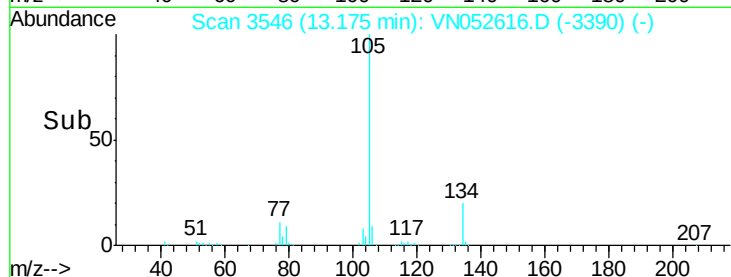
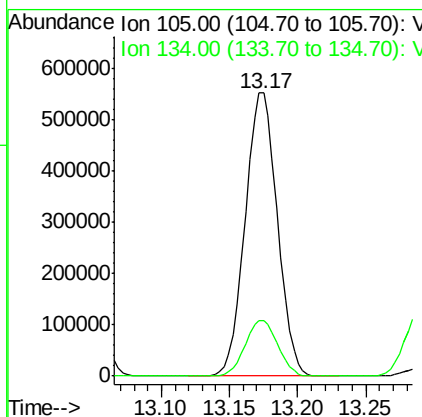
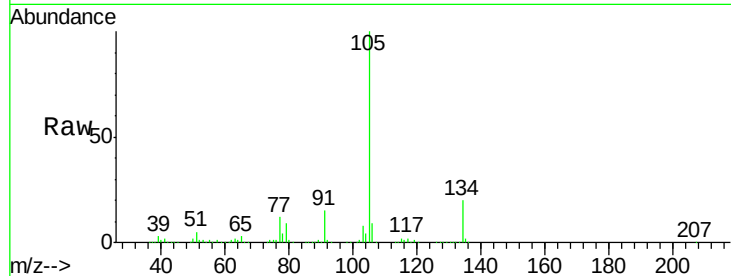
#81
 sec-Butylbenzene
 Concen: 19.801 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	40.4

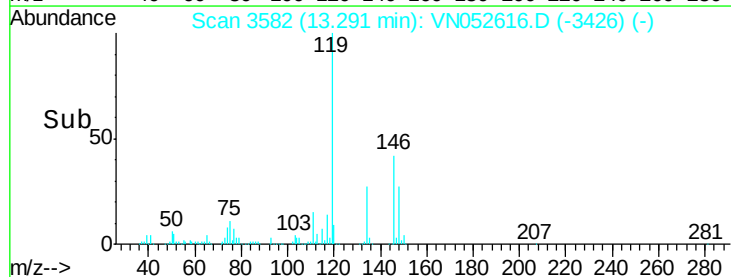
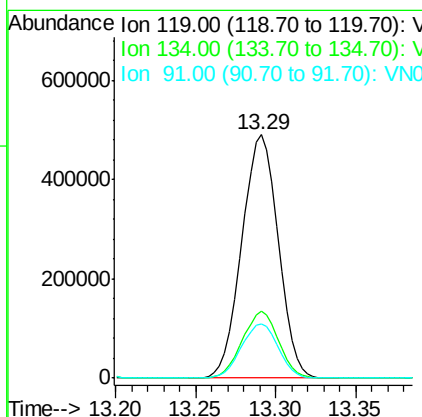
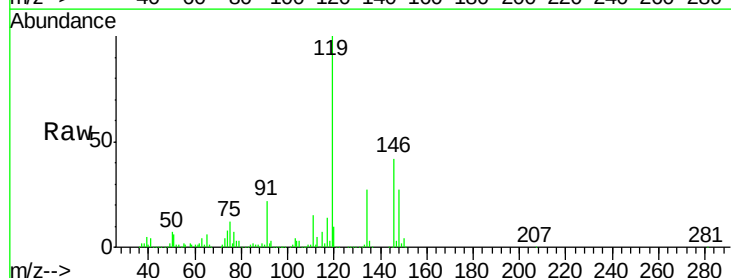
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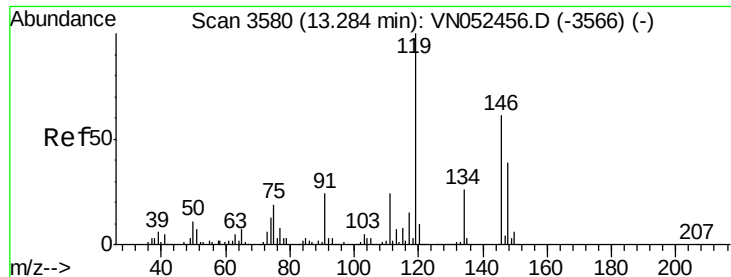
MMDadoda
 12/3/2018 10:49:43 AM



#82
 p-Isopropyltoluene
 Concen: 19.706 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	52.6
91	22.6	0.0	46.2





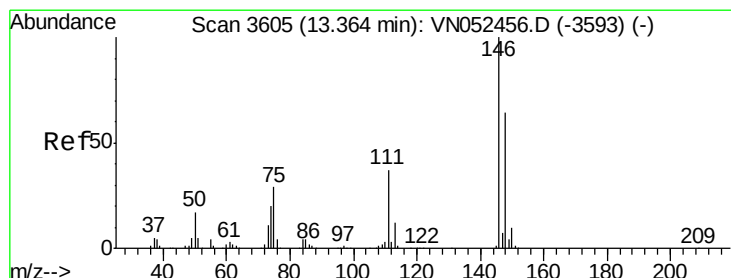
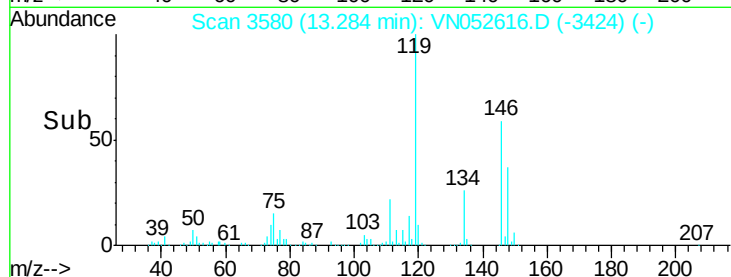
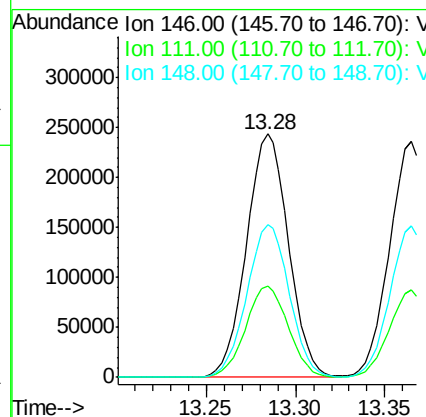
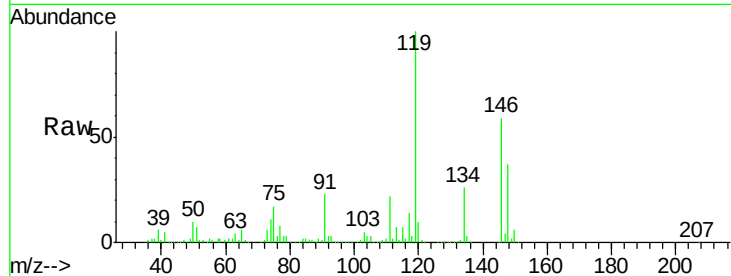
#83
 1,3-Dichlorobenzene
 Concen: 20.291 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	63.4	32.3	96.8

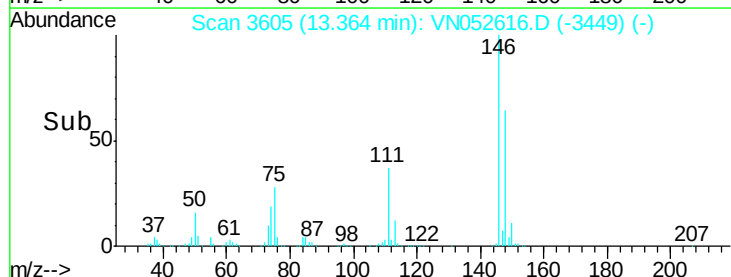
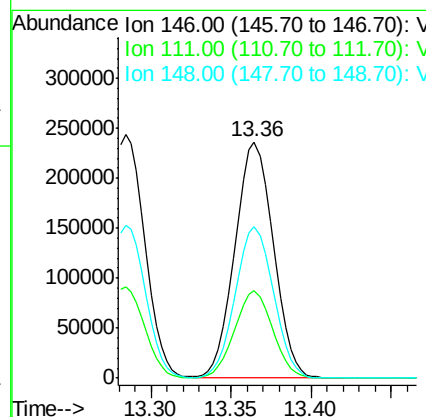
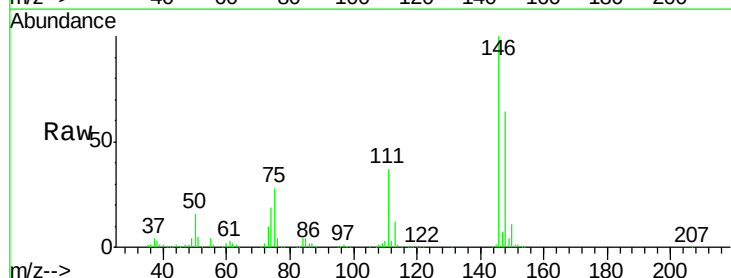
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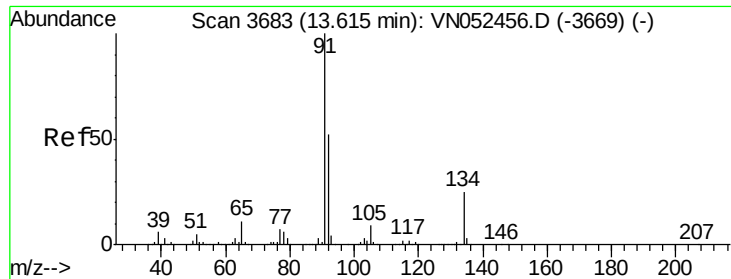
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#84
 1,4-Dichlorobenzene
 Concen: 20.262 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	63.7	32.5	97.4





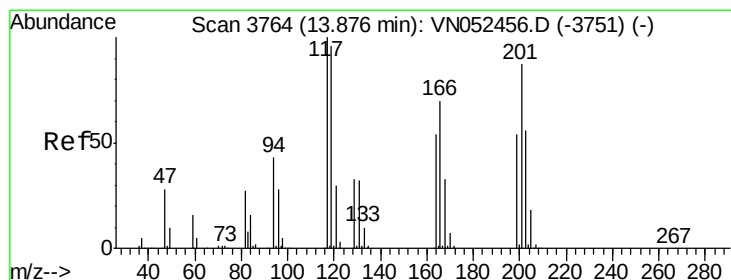
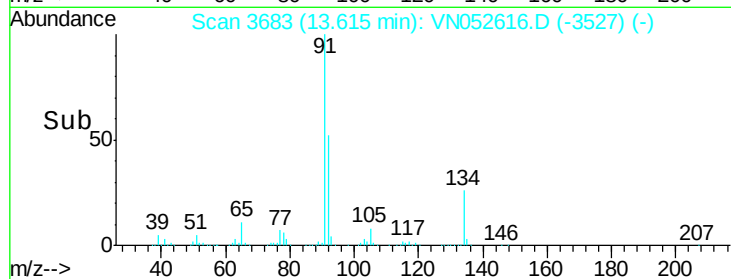
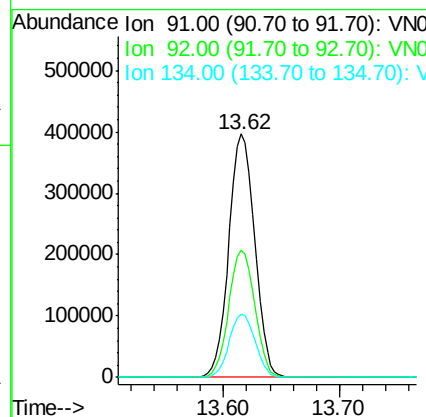
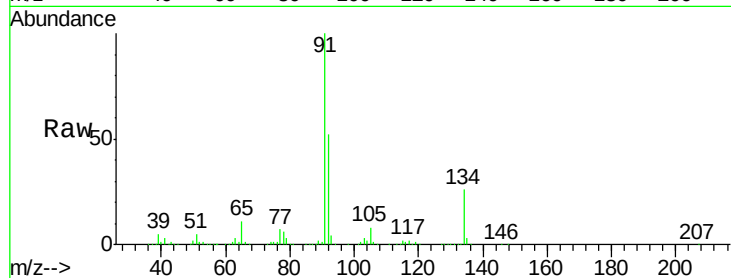
#85
n-Butylbenzene
Concen: 18.429 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 614027
Ion Ratio Lower Upper
91 100
92 52.4 0.0 104.2
134 26.0 0.0 50.6

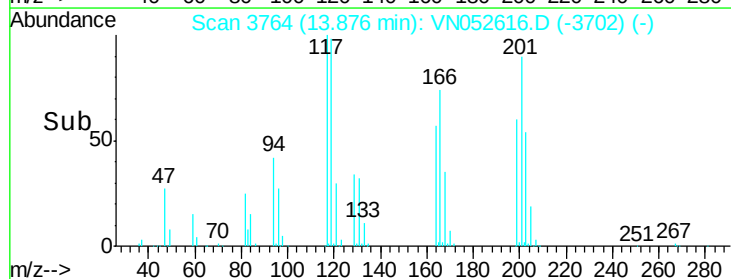
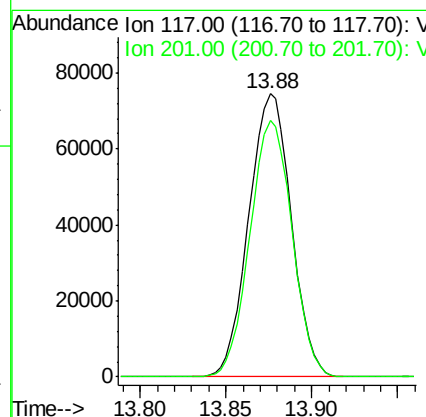
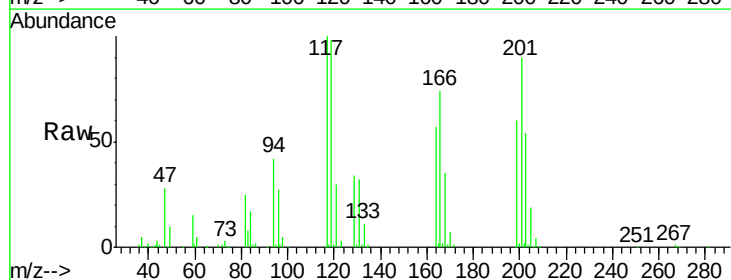
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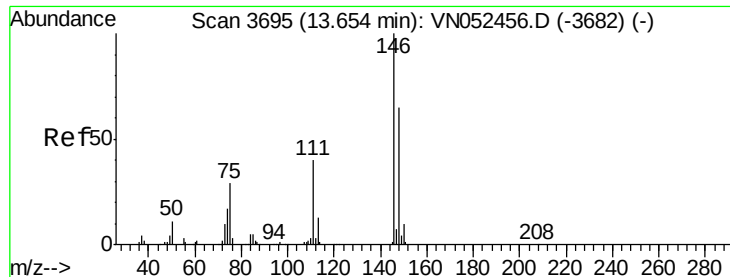
MMDadoda
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#86
Hexachloroethane
Concen: 19.462 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 117 Resp: 127908
Ion Ratio Lower Upper
117 100
201 89.8 43.8 131.3





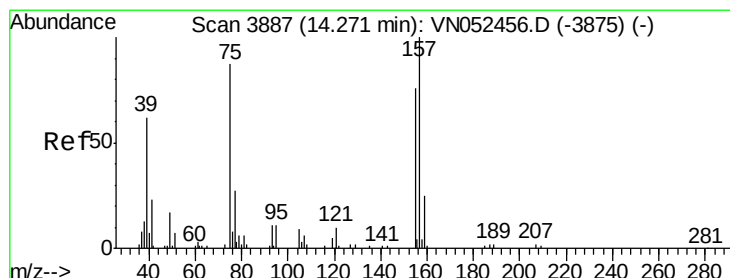
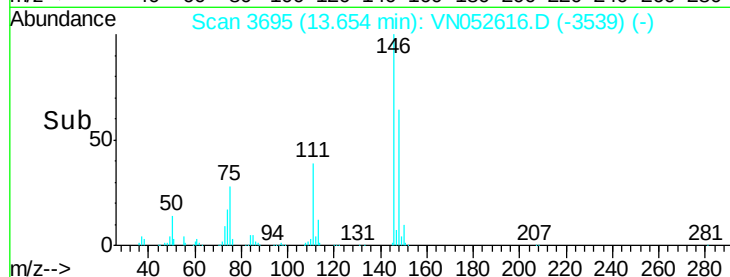
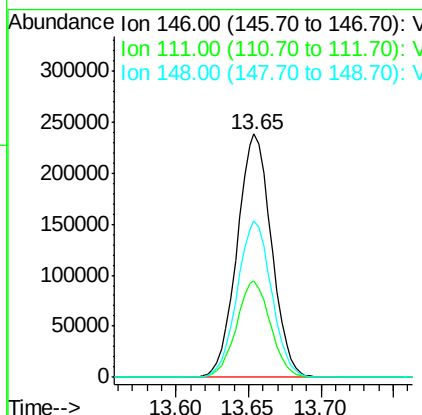
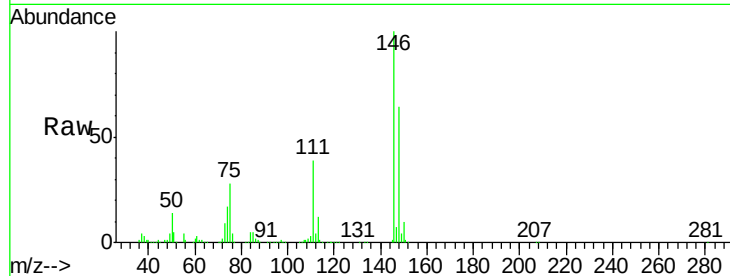
#87
 1,2-Dichlorobenzene
 Concen: 20.800 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.3	60.8
148	64.2	32.1	96.5

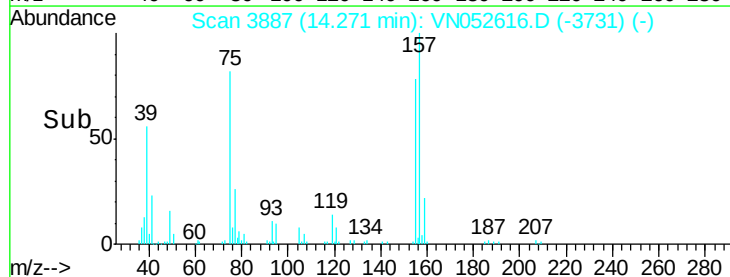
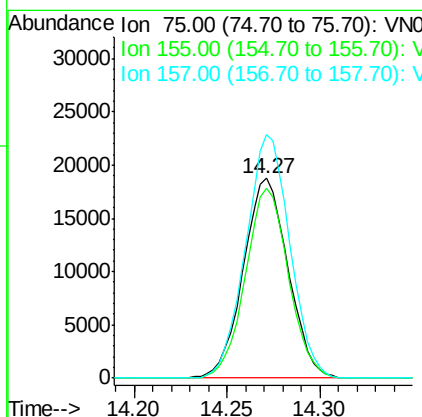
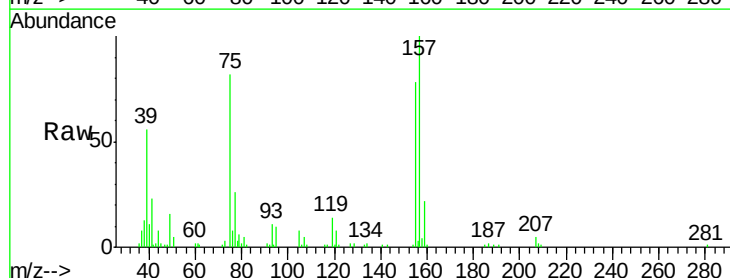
Manual Integrations
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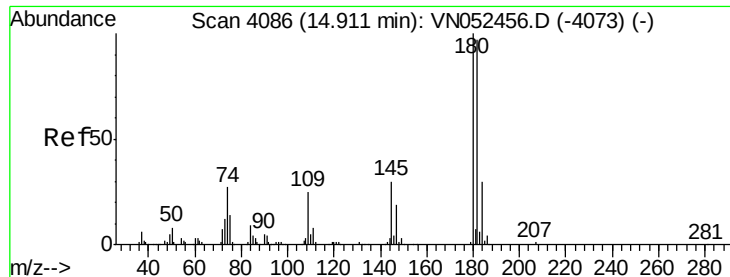
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 12/3/2018 10:49:43 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.306 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	72.2	108.2
157	119.9	94.2	141.2





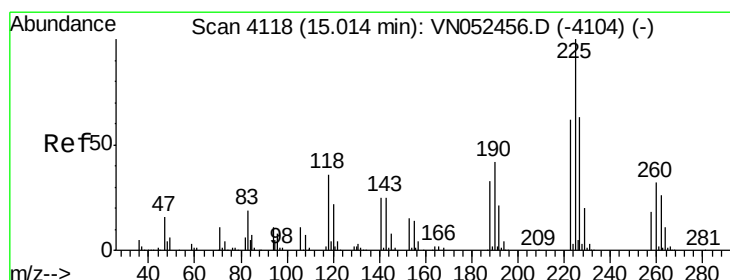
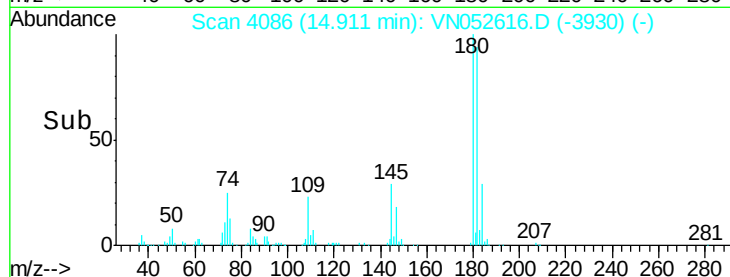
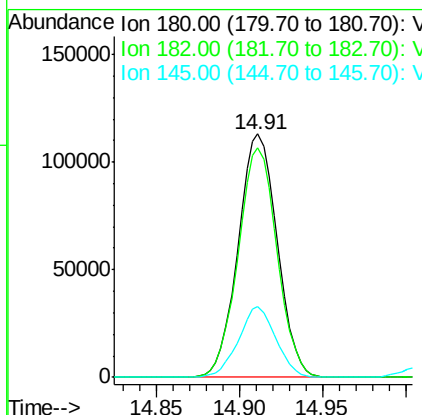
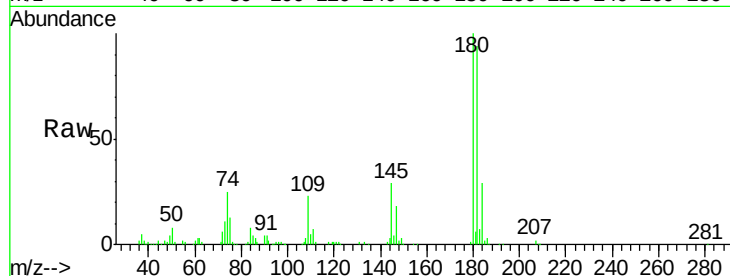
#89
 1,2,4-Trichlorobenzene
 Concen: 19.945 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	184932		
182	93.9	76.6	114.8	
145	27.9	23.6	35.4	

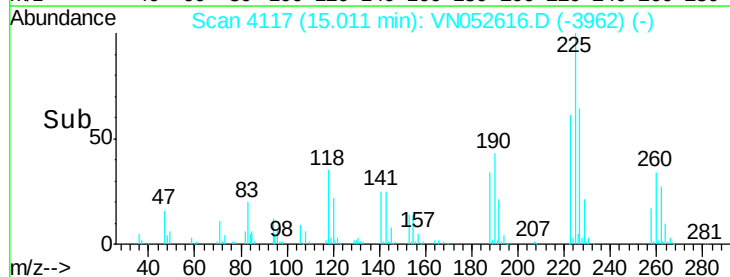
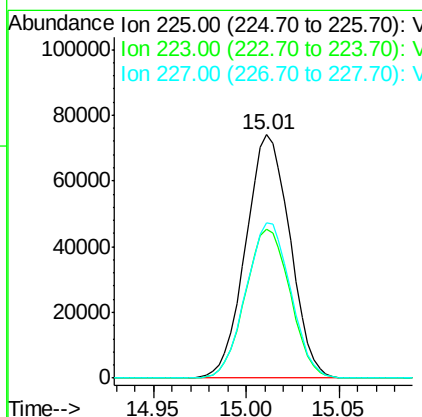
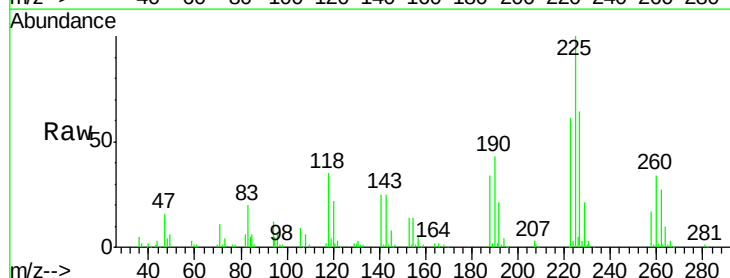
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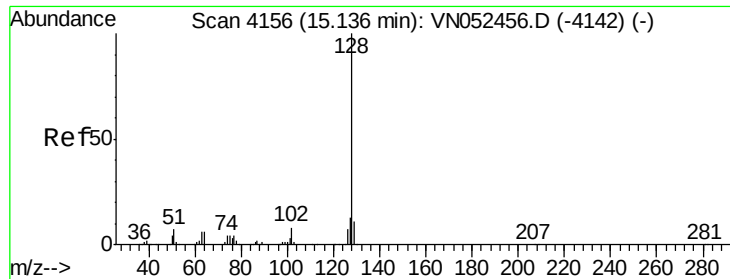
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#90
 Hexachlorobutadiene
 Concen: 20.175 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122712		
223	62.4	0.0	125.6	
227	64.5	0.0	127.8	





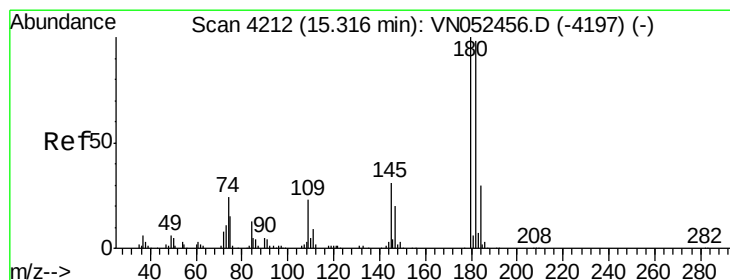
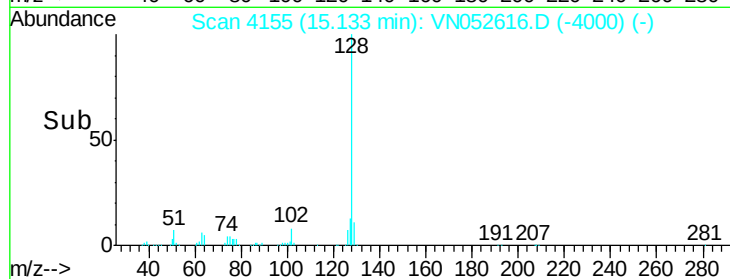
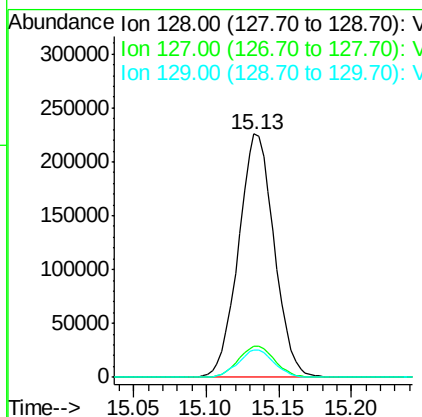
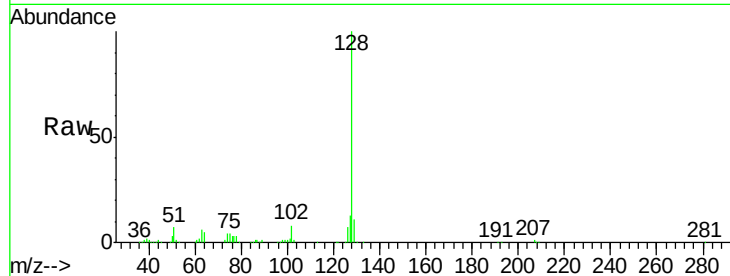
#91
Naphthalene
Concen: 20.619 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	386073		
127	13.1	9.9	14.9	
129	11.3	8.5	12.7	

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#92
1,2,3-Trichlorobenzene
Concen: 20.883 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	178441		
182	95.0	0.0	196.2	
145	30.6	0.0	62.2	

