

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054030.D
 Acq On : 1 Mar 2019 15:26
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:24:00 AM

Quant Time: Mar 02 00:11:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114431	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	620054	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	538961	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	241517	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.40	95	250859	30.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.37%
63) Toluene-d8	10.09	98	785207	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	128829	19.912	ug/l 99
3) Chloromethane	2.06	50	176234	20.477	ug/l 98
4) Vinyl Chloride	2.19	62	172132	19.973	ug/l 98
5) Bromomethane	2.57	94	105522	19.904	ug/l 96
6) Chloroethane	2.71	64	100927	19.891	ug/l 91
7) Trichlorofluoromethane	3.02	101	212291	20.274	ug/l 99
8) Diethyl Ether	3.41	74	79698	20.238	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132950	19.749	ug/l 97
10) 1,1-Dichloroethene	3.74	96	124707	19.771	ug/l 92
11) Methyl Iodide	3.96	142	175982	18.810	ug/l 99
12) Methyl Acetate	4.33	43	106841	20.090	ug/l 98
13) Acrolein	3.61	56	36481	79.722	ug/l 99
14) Acrylonitrile	4.99	53	258949	101.325	ug/l 98
15) Acetone	3.82	58	63202	85.815	ug/l 96
16) Carbon Disulfide	4.06	76	399077	19.501	ug/l 99
17) Allyl chloride	4.33	41	227967	20.436	ug/l 97
18) Methylene Chloride	4.55	84	147049	20.189	ug/l 99
19) trans-1,2-Dichloroethene	5.05	96	135658	19.825	ug/l 97
20) Diisopropyl ether	5.95	45	448403	20.095	ug/l 97
21) 1,1-Dichloroethane	5.85	63	264691	20.085	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	152617	20.034	ug/l 97
23) tert-Butyl Alcohol	4.79	59	51963	113.520	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	353228	20.686	ug/l 100
25) Chloroform	7.37	83	253780	19.958	ug/l 99
26) Cyclohexane	7.66	56	244367	20.375	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	195354	20.114	ug/l 99
30) 2-Butanone	6.84	43	300300	97.927	ug/l 98
31) 2,2-Dichloropropane	6.83	77	180047	18.800	ug/l # 77
32) 1,1,1-Trichloroethane	7.57	97	211077	20.205	ug/l 99
33) Carbon Tetrachloride	7.78	117	183811	19.872	ug/l 99
34) Benzene	8.04	78	581037	20.130	ug/l 97
35) Methacrylonitrile	7.18	41	63862m	18.625	ug/l
36) 1,2-Dichloroethane	8.13	62	188456	20.332	ug/l 99
37) Trichloroethene	8.84	130	154903	20.558	ug/l 100
38) Methylcyclohexane	9.08	83	225204	19.646	ug/l 98
39) 1,2-Dichloropropane	9.12	63	160350	20.278	ug/l 99
40) Dibromomethane	9.21	93	91995	20.294	ug/l 100

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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	191082	19.866	ug/l	99
42) Vinyl Acetate	5.90	43	1593772	100.600	ug/l	100
43) Ethyl Acetate	6.93	43	126577	19.706	ug/l #	69
44) Isopropyl Acetate	8.17	43	232609	20.638	ug/l	96
45) 1,4-Dioxane	9.20	88	30301	456.073	ug/l	96
46) Methyl methacrylate	9.20	41	108373	20.018	ug/l	97
47) n-amyl Acetate	12.07	43	169096	20.424	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	182972	18.973	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	220191	19.444	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	131521	20.683	ug/l	99
51) Ethyl methacrylate	10.43	69	153138	20.005	ug/l	98
52) 1,3-Dichloropropane	10.71	76	220966	20.247	ug/l	98
53) Dibromochloromethane	10.90	129	137088	19.620	ug/l	98
54) 1,2-Dibromoethane	11.01	107	120826	19.947	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	361669	101.811	ug/l	99
56) Bromoform	12.13	173	88790	19.138	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	637100	104.906	ug/l	95
59) 2-Hexanone	10.75	43	402136	101.348	ug/l	97
61) Tetrachloroethene	10.63	164	152242	20.319	ug/l	96
62) Toluene	10.16	91	611841	20.313	ug/l	99
64) Chlorobenzene	11.44	112	366253	19.969	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	134410	19.958	ug/l	100
66) Ethyl Benzene	11.51	91	627706	19.937	ug/l	100
67) m/p-Xylenes	11.62	106	484417	40.865	ug/l	99
68) o-Xylene	11.95	106	232535	20.236	ug/l	99
69) Styrene	11.96	104	367647	20.205	ug/l	99
70) Isopropylbenzene	12.25	105	613108	20.329	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	151299	20.325	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	127642m	22.583	ug/l	
73) Bromobenzene	12.53	156	149920	19.716	ug/l	99
74) n-propylbenzene	12.59	91	719170	20.025	ug/l	100
75) 2-Chlorotoluene	12.67	91	431404	20.513	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	516837	20.231	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	36876	18.334	ug/l	99
78) 4-Chlorotoluene	12.77	91	427800	20.329	ug/l	100
79) tert-butylbenzene	12.99	119	444886	19.873	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	519755	20.442	ug/l	99
81) sec-Butylbenzene	13.17	105	609283	19.845	ug/l	99
82) p-Isopropyltoluene	13.29	119	518664	19.784	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	268935	20.052	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	249435	19.479	ug/l	100
85) n-Butylbenzene	13.62	91	435345	19.054	ug/l	98
86) Hexachloroethane	13.87	117	87151	17.781	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	260731	20.045	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21932	20.364	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	124937	18.907	ug/l	99
90) Hexachlorobutadiene	15.01	225	89520	18.646	ug/l	99
91) Naphthalene	15.13	128	250823	20.880	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	127186	19.490	ug/l	97

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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Manual Integrations
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QLast Update : Fri Mar 01 11:11:48 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

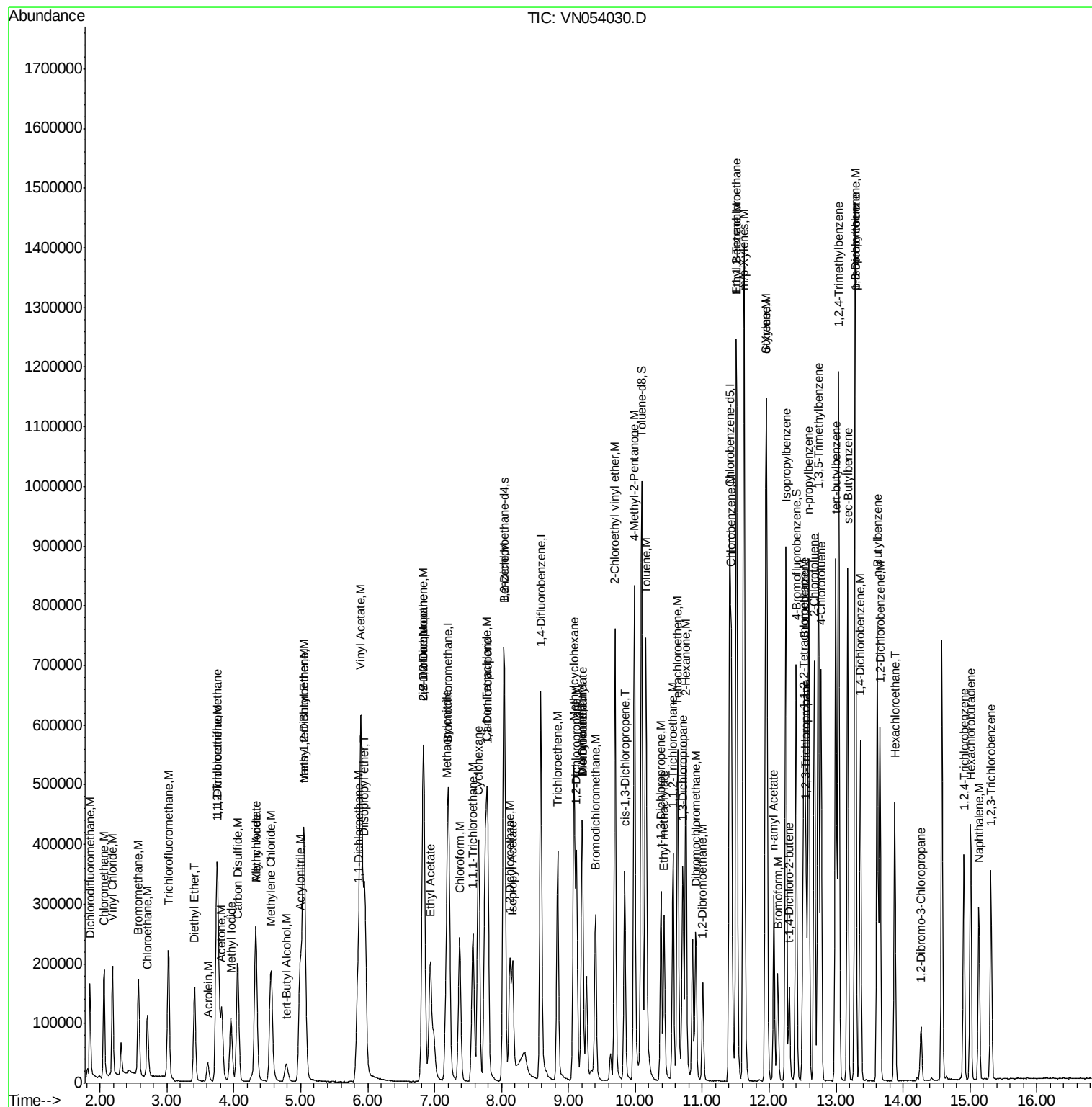
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
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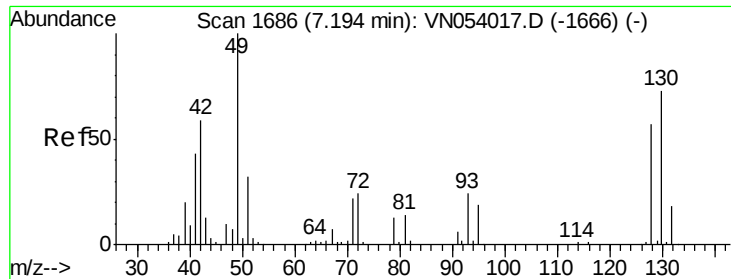
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

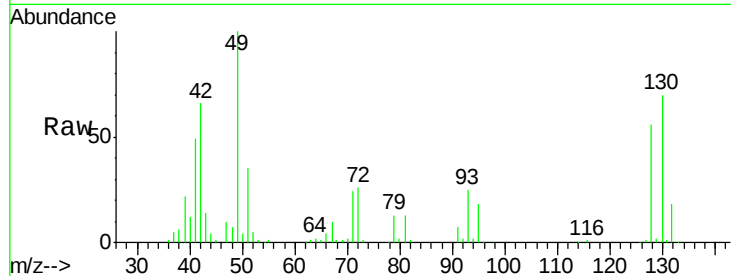
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	114431
Ion	Ratio	Lower	Upper
128	100		
49	177.2	0.0	431.8
130	126.1	0.0	317.0

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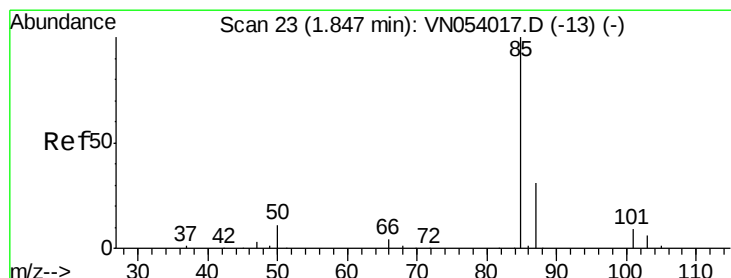
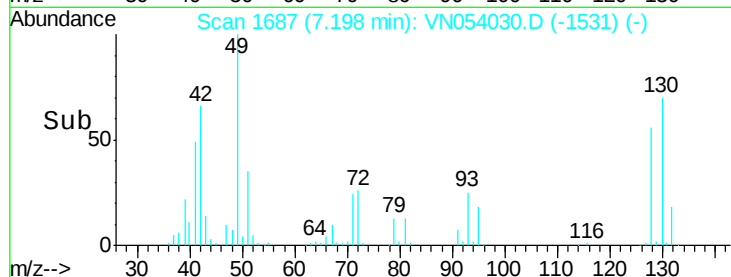
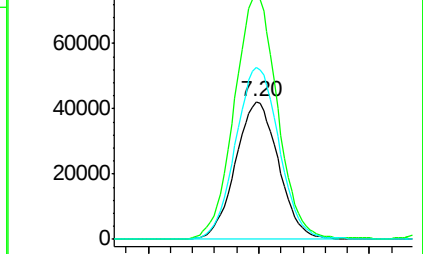
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.912 ug/l

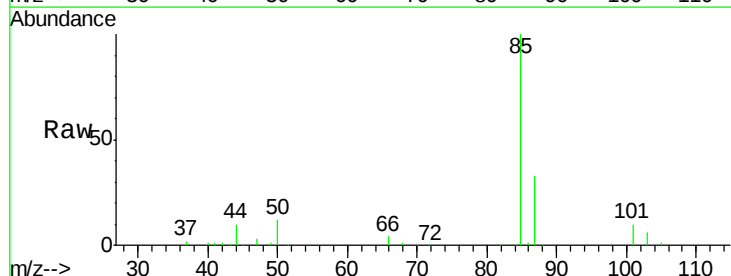
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054030.D

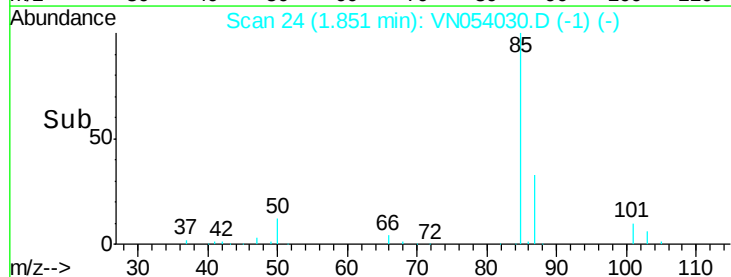
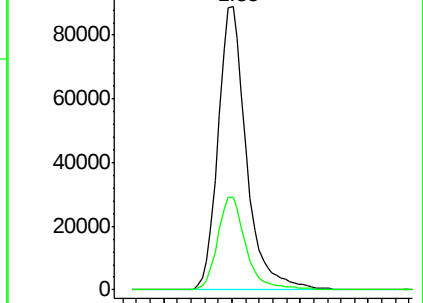
Acq: 1 Mar 2019 15:26

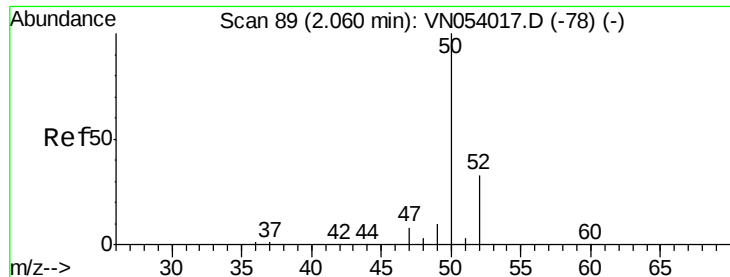
Tgt Ion:	85	Resp:	128829
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 20.477 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 176234

Ion Ratio Lower Upper

50 100

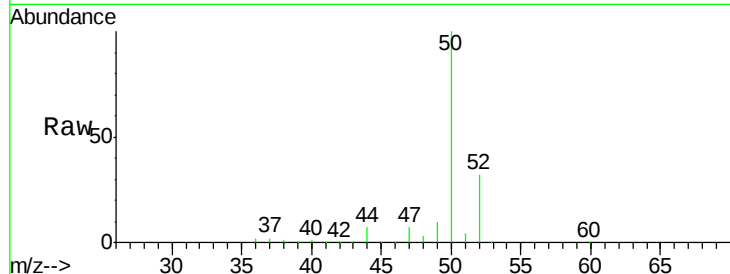
52 31.9 26.5 39.7

Manual Integrations

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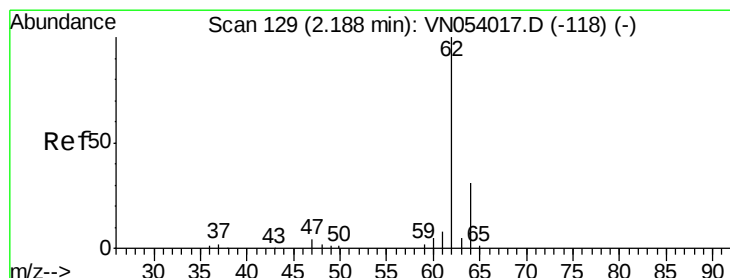
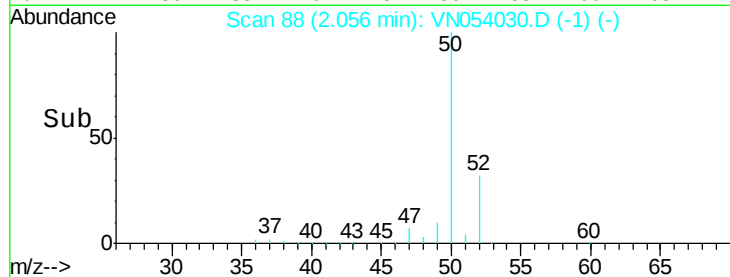
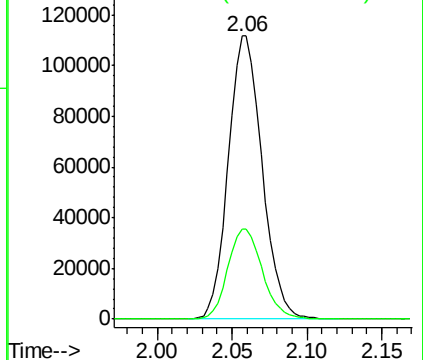
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 19.973 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054030.D

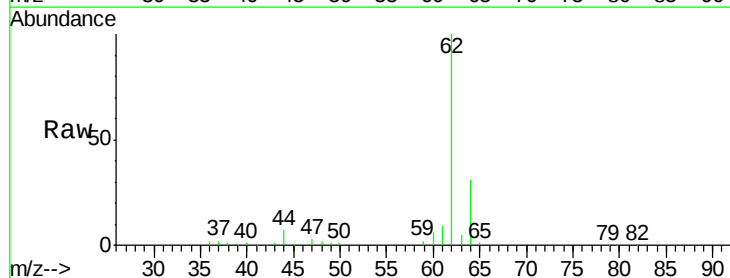
Acq: 1 Mar 2019 15:26

Tgt Ion: 62 Resp: 172132

Ion Ratio Lower Upper

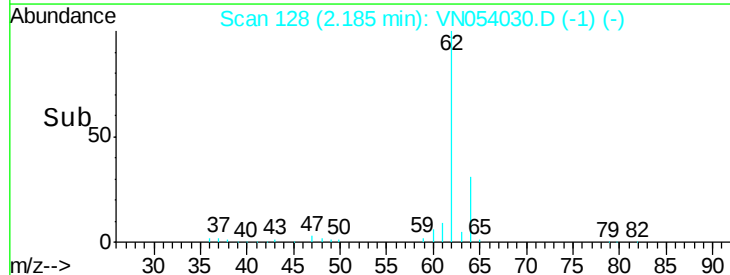
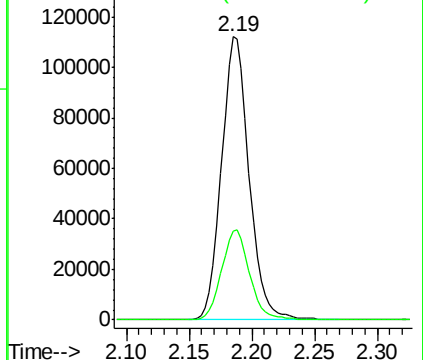
62 100

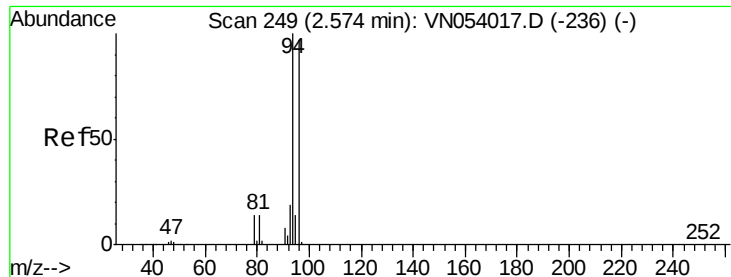
64 31.4 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 19.904 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 105522

Ion Ratio Lower Upper

94 100

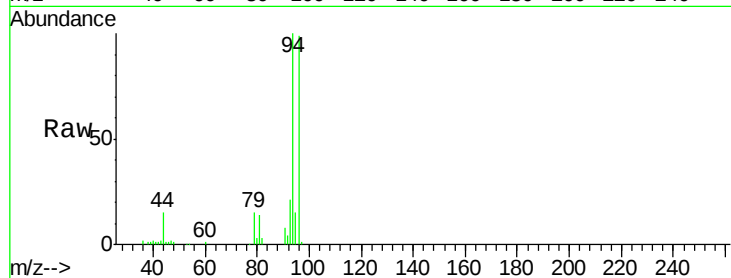
96 98.8 76.2 114.2

Manual Integrations

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3/6/2019 10:24:00 AM



Abundance Ion 94.00 (93.70 to 94.70): VN054030.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VN054030.D (-96) (-)

60000

50000

40000

30000

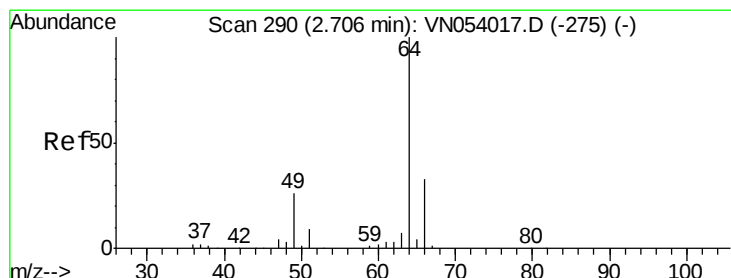
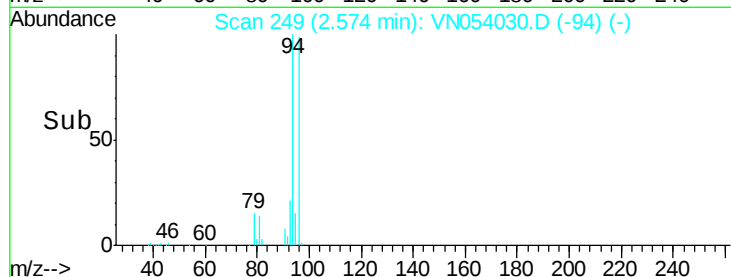
20000

10000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 19.891 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054030.D

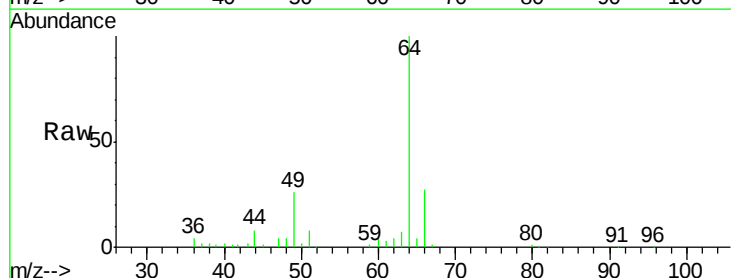
Acq: 1 Mar 2019 15:26

Tgt Ion: 64 Resp: 100927

Ion Ratio Lower Upper

64 100

66 27.2 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN054030.D (-135) (-)

Ion 66.00 (65.70 to 66.70): VN054030.D (-136) (-)

60000

50000

40000

30000

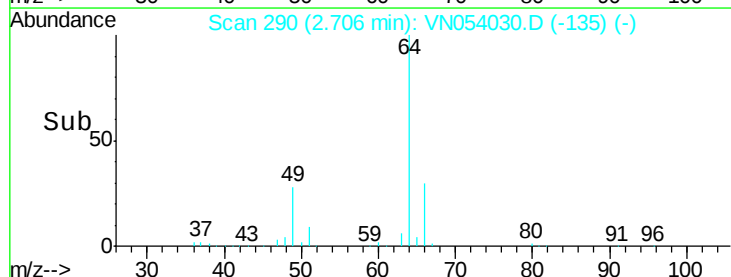
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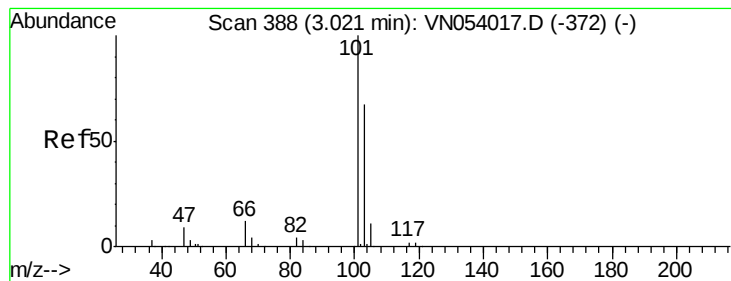
10000

0

2.60 2.70 2.80

Time-->





#7

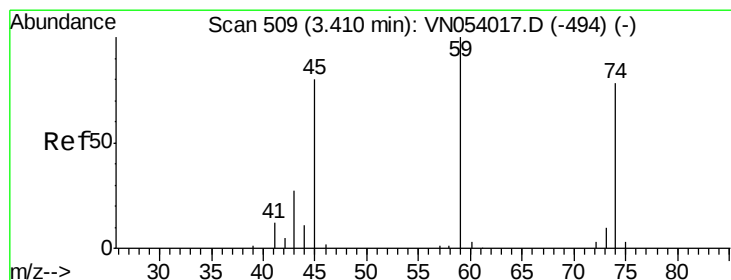
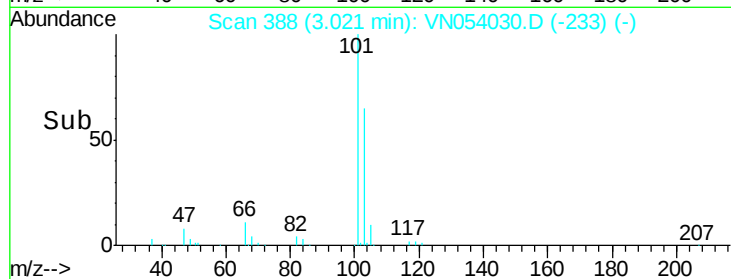
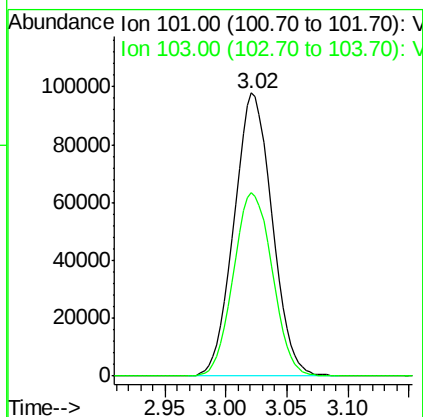
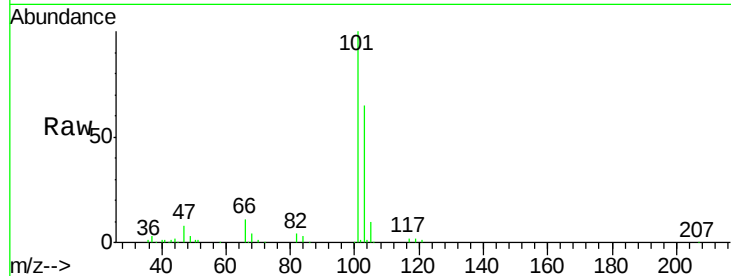
Trichlorofluoromethane
Concen: 20.274 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
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ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		212291		
103	64.7	52.1	78.1		

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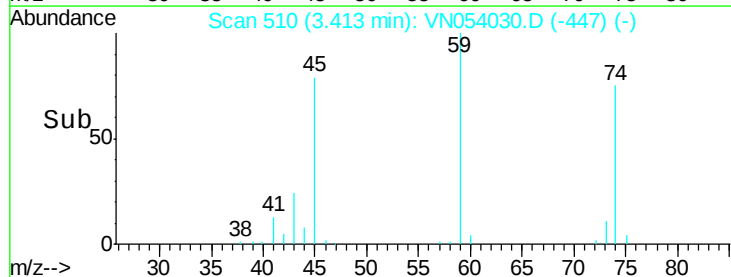
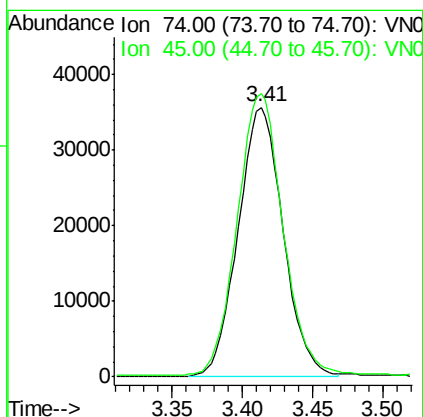
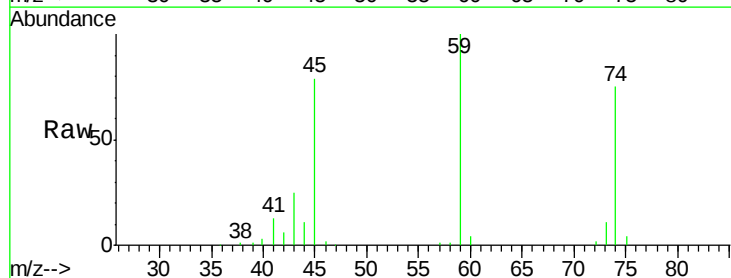
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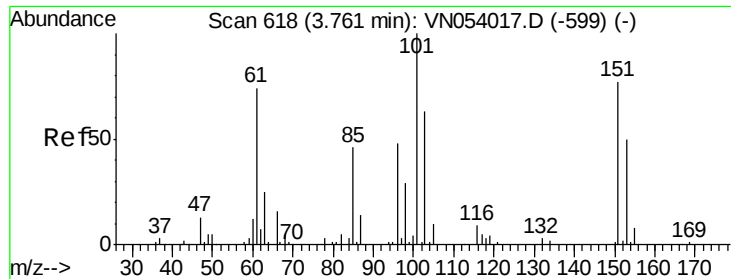


#8

Diethyl Ether
Concen: 20.238 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		79698		
45	107.0	20.6	185.8		





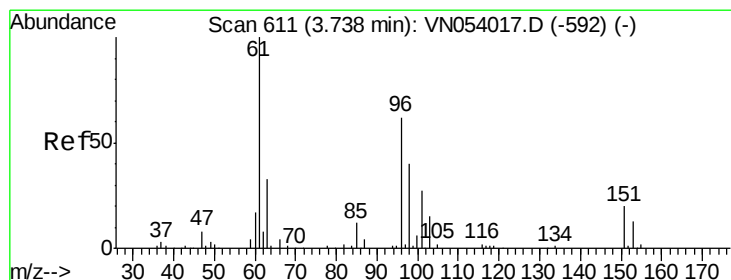
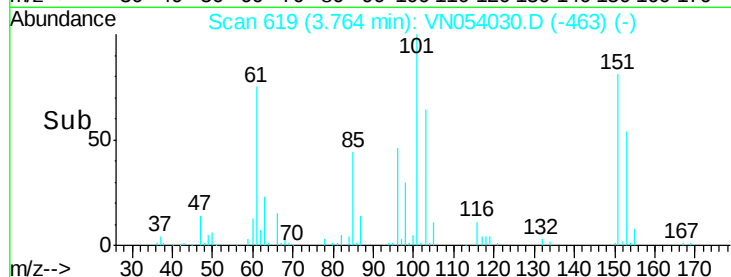
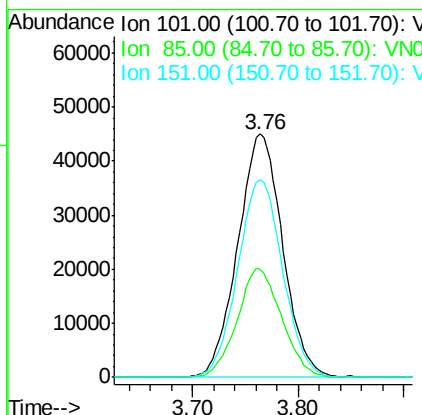
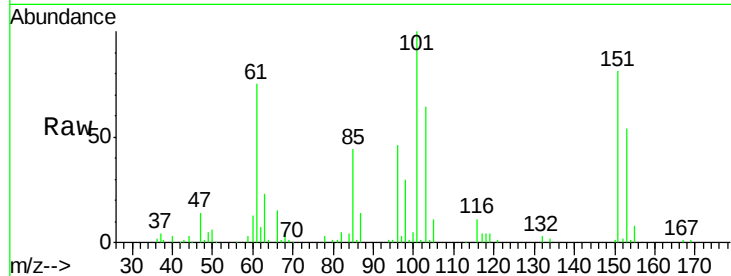
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.749 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	132950		
85	44.3	0.0	82.6	
151	81.4	0.0	158.4	

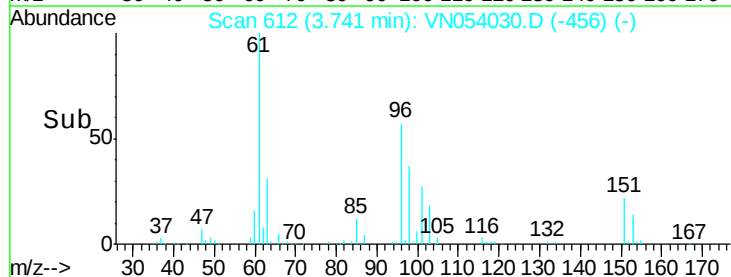
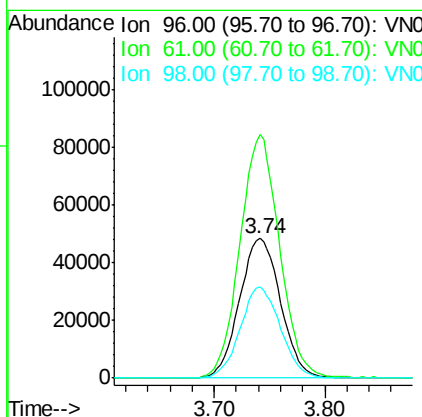
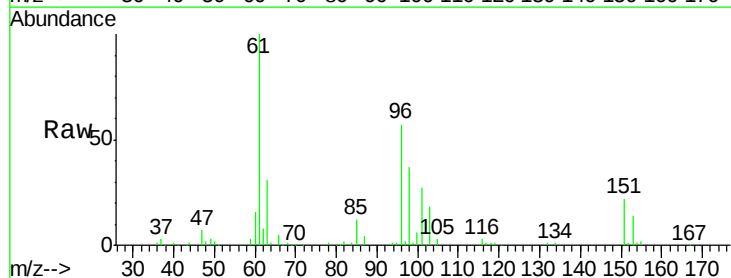
Manual Integrations
 APPROVED

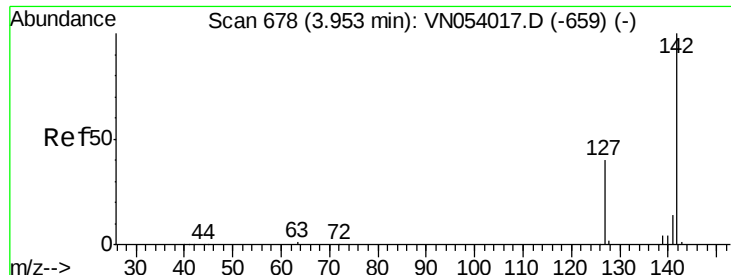
MMDadoda
 3/6/2019 10:24:00 AM



#10
 1,1-Dichloroethene
 Concen: 19.771 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	124707		
61	174.7	129.4	194.2	
98	65.1	50.4	75.6	





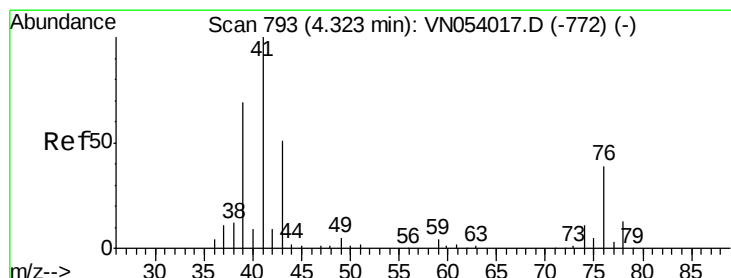
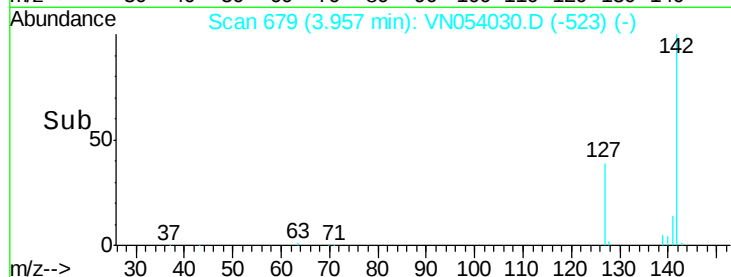
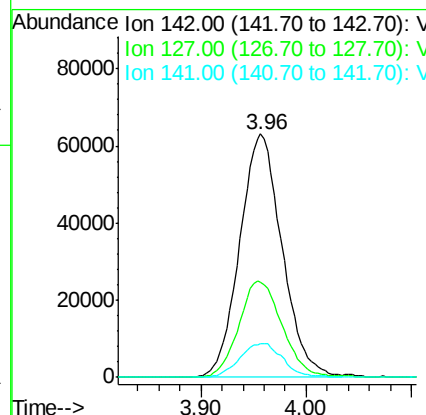
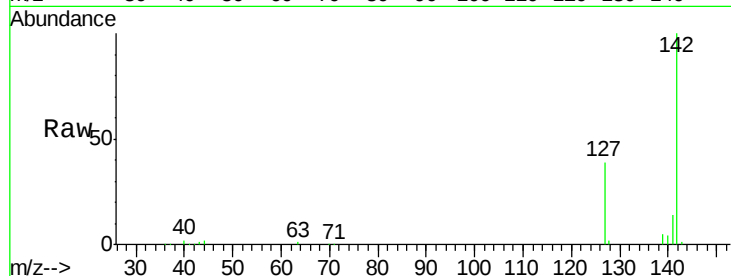
#11
Methvl Iodide
Concen: 18.810 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.1	19.4	58.1
141	13.7	7.2	21.6

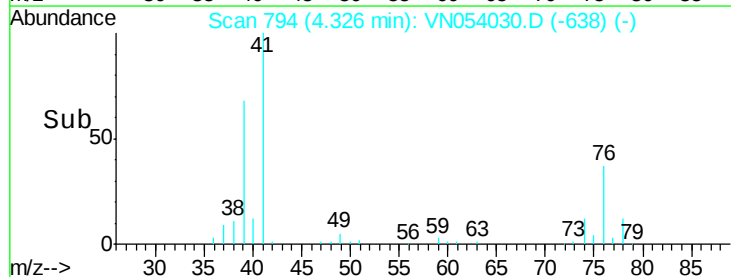
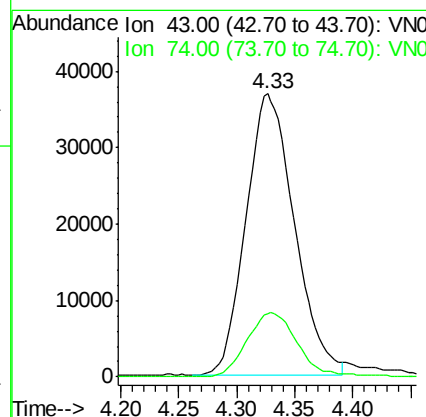
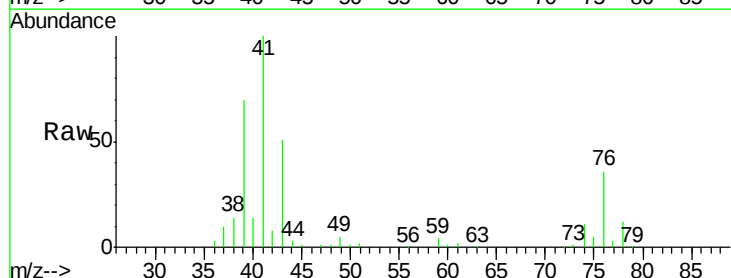
Manual Integrations
APPROVED

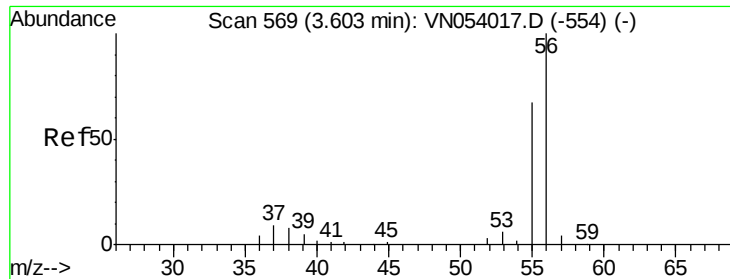
MMDadoda
3/6/2019 10:24:00 AM



#12
Methyl Acetate
Concen: 20.090 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.9	28.3





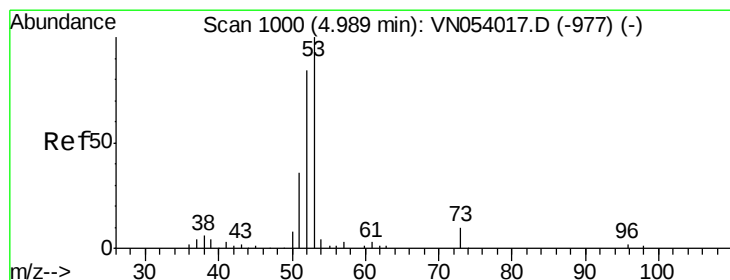
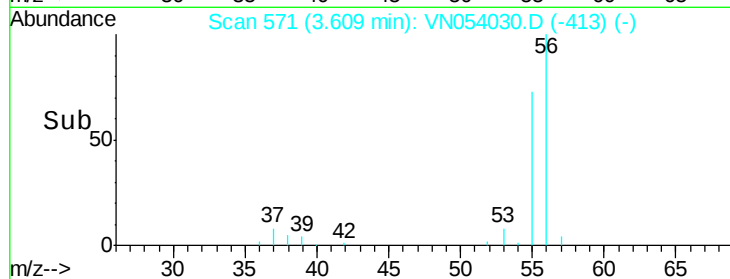
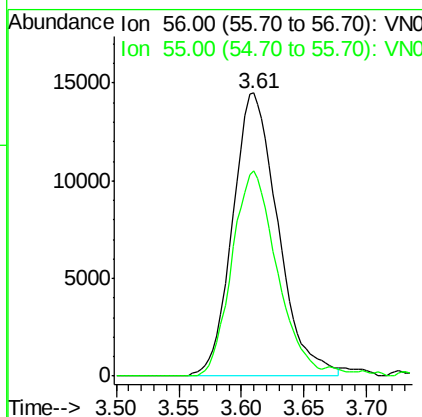
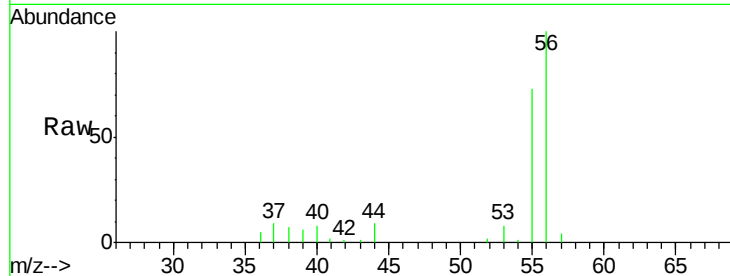
#13
Acrolein
Concen: 79.722 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.01 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.6	56.7	85.1	

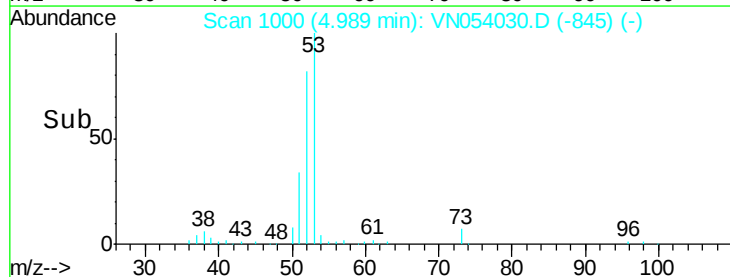
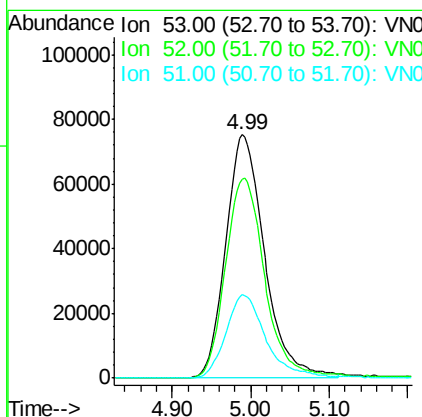
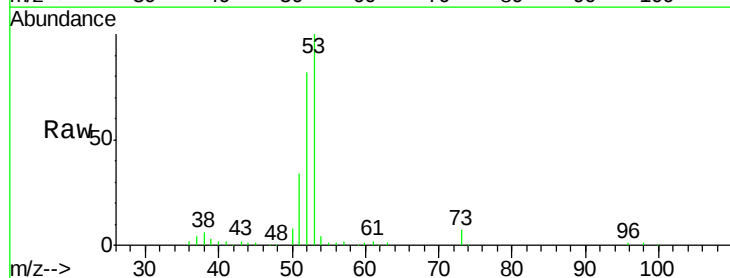
Manual Integrations
APPROVED

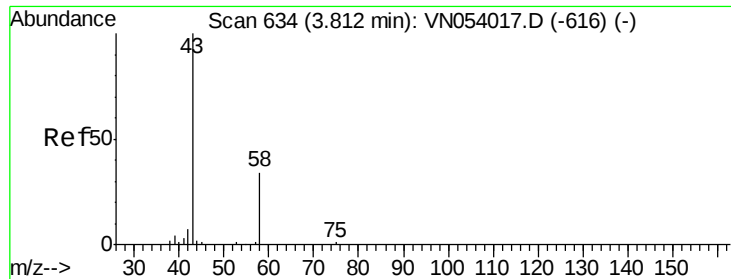
MMDadoda
3/6/2019 10:24:00 AM



#14
Acrylonitrile
Concen: 101.325 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.0	39.9	119.7	
51	35.3	17.6	52.9	





#15

Acetone

Concen: 85.815 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 63202

Ion Ratio Lower Upper

58 100

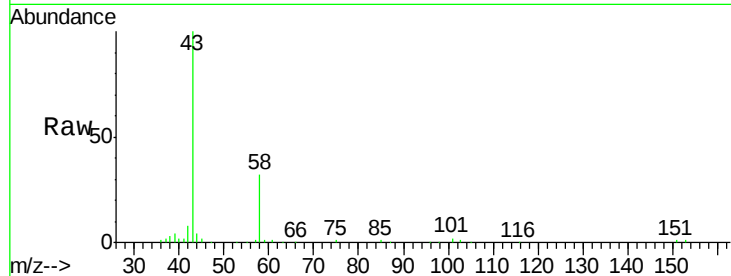
43 312.9 243.6 365.4

Manual Integrations

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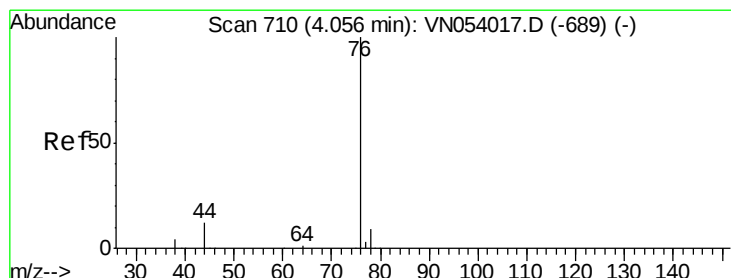
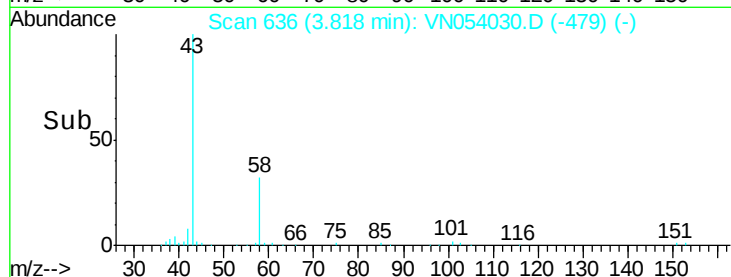
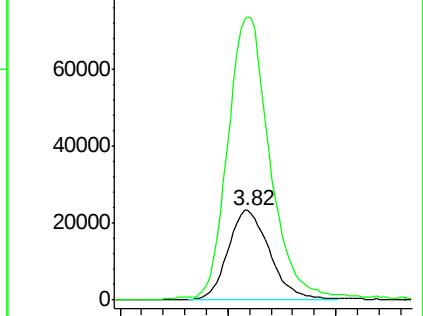
MMDadoda

3/6/2019 10:24:00 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.501 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN054030.D

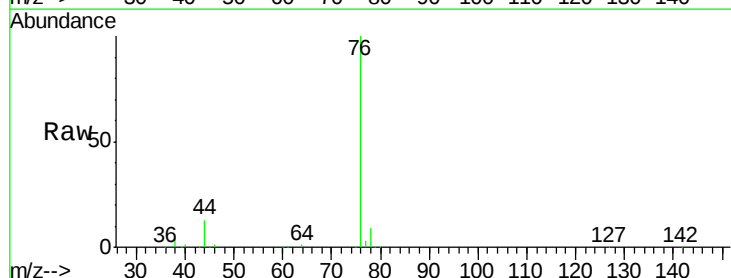
Acq: 1 Mar 2019 15:26

Tgt Ion: 76 Resp: 399077

Ion Ratio Lower Upper

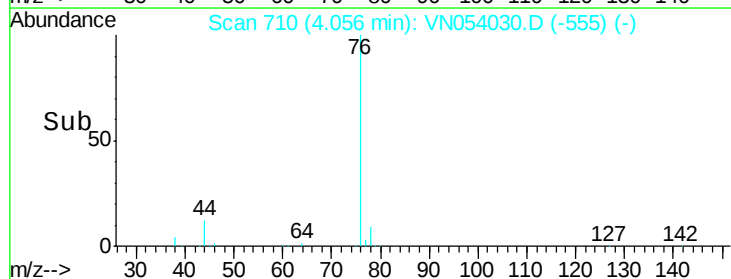
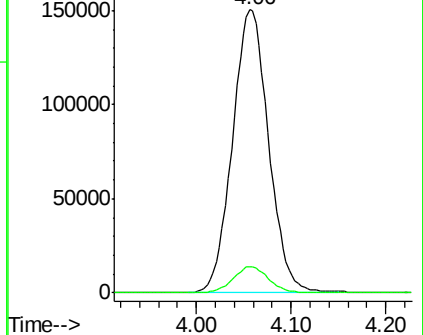
76 100

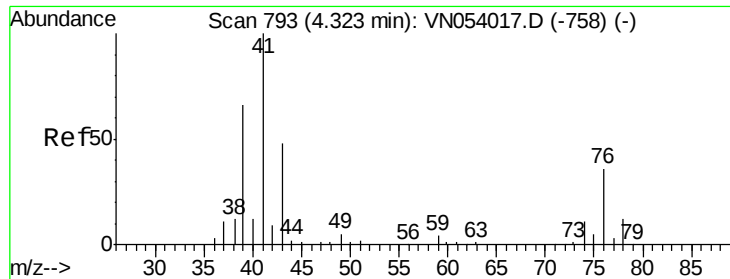
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 20.436 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

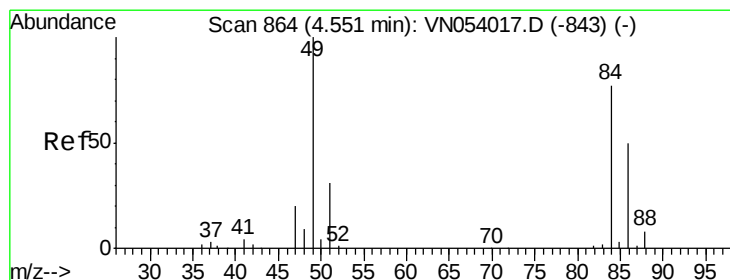
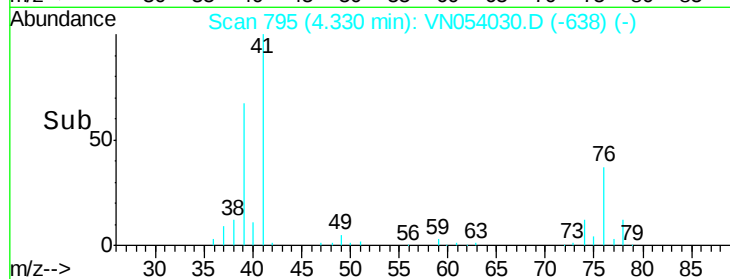
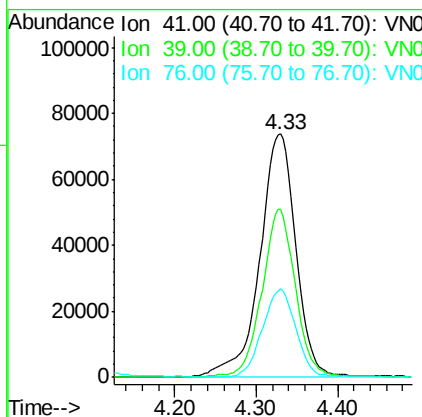
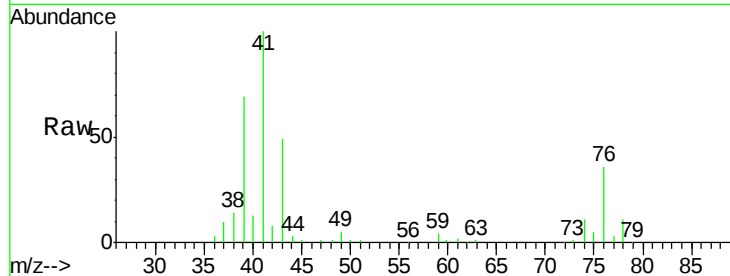
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	227967
Ion Ratio		Lower	Upper
41	100		
39	69.0	32.8	98.3
76	36.1	18.6	55.8

Manual Integrations
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MMDadoda
3/6/2019 10:24:00 AM



#18

Methylene Chloride

Concen: 20.189 ug/l

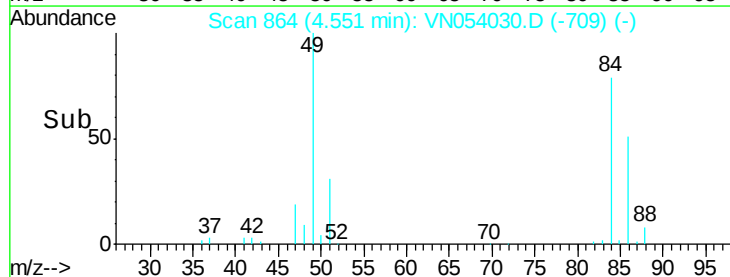
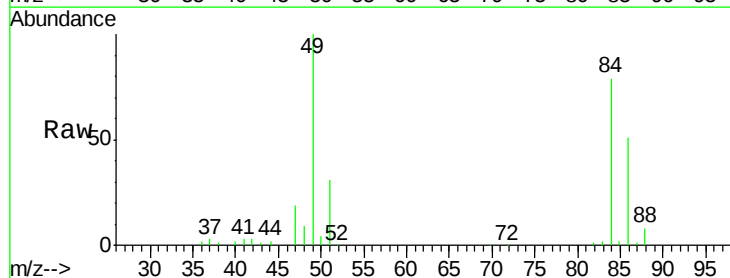
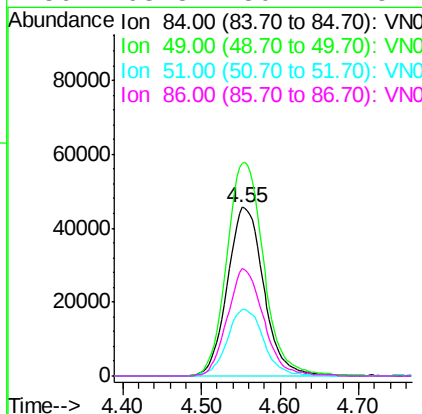
RT: 4.55 min Scan# 864

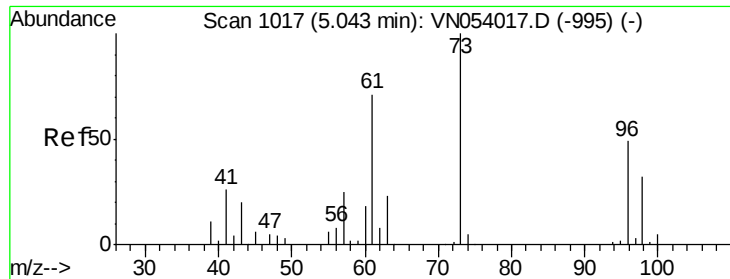
Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Tgt Ion:	84	Resp:	147049
Ion Ratio		Lower	Upper
84	100		
49	125.8	101.4	152.0
51	39.3	31.7	47.5
86	63.8	50.1	75.1





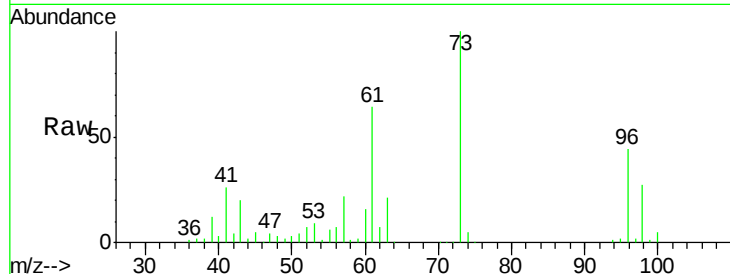
#19
trans-1,2-Dichloroethene
Concen: 19.825 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.2	118.2	177.4
98	61.9	51.4	77.2

Manual Integrations
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MMDadoda
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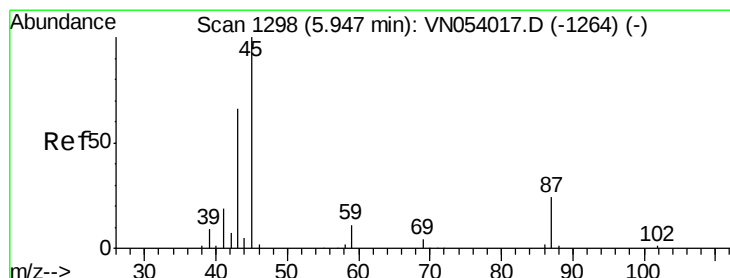
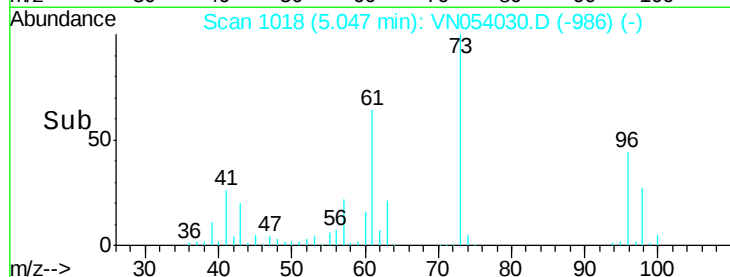
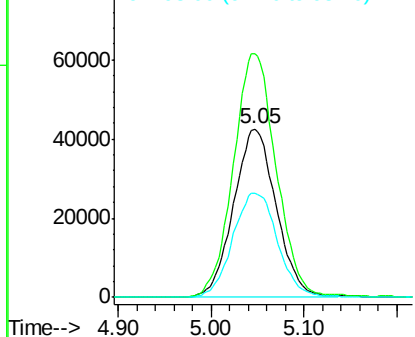


Abundance

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: 20.095 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.01 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	47.8	71.8
87	24.6	21.3	31.9
59	10.5	8.9	13.3

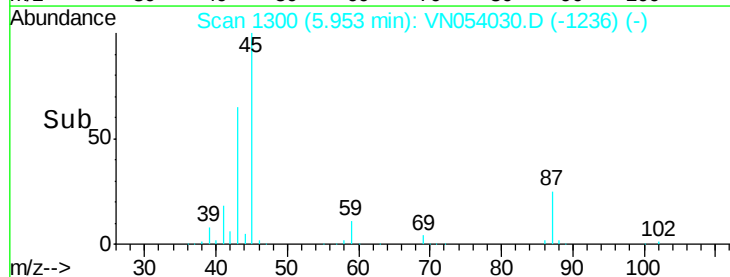
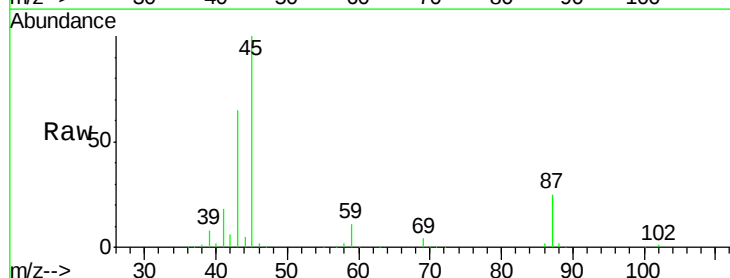
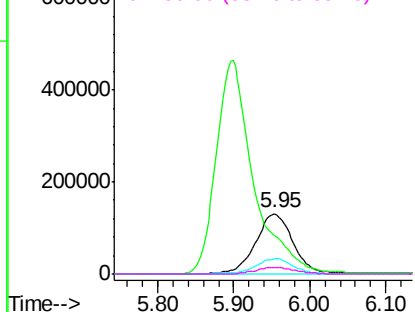
Abundance

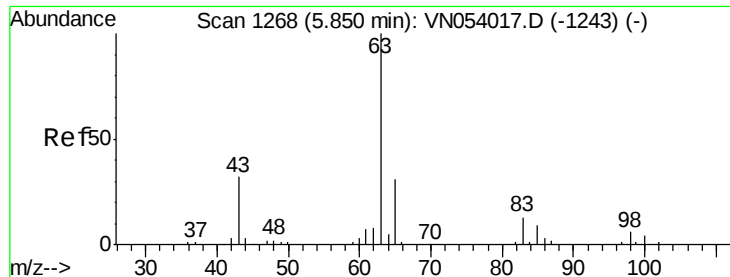
Ion 45.00 (44.70 to 45.70): VN0

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





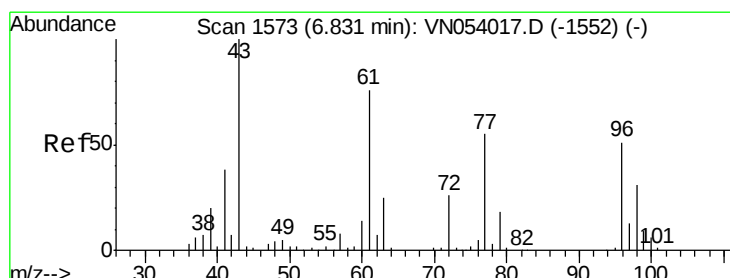
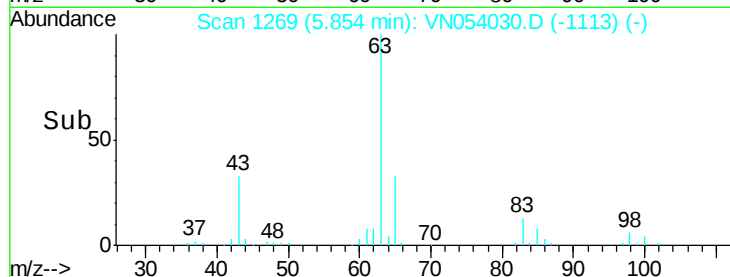
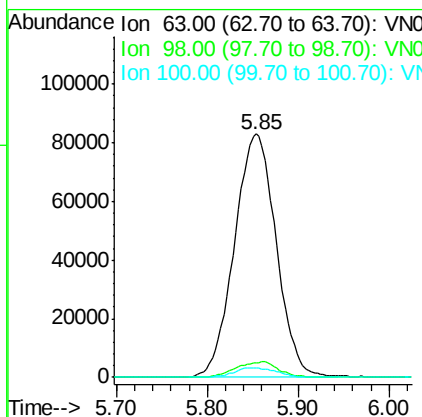
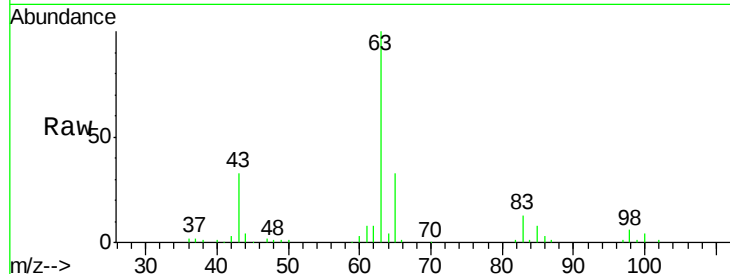
#21
 1,1-Dichloroethane
 Concen: 20.085 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	264691		
98	6.1	3.0	9.2	
100	3.7	1.8	5.5	

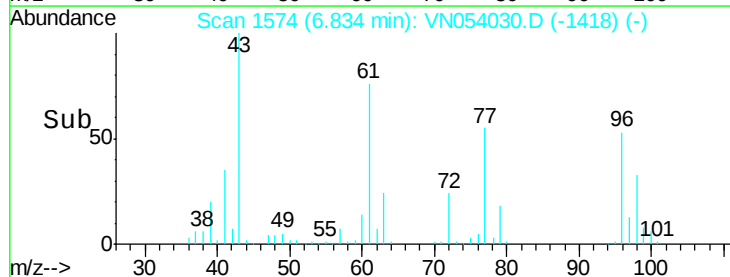
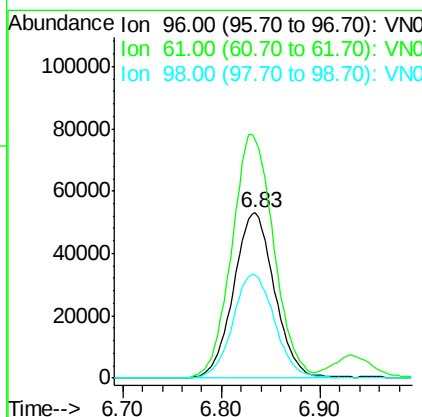
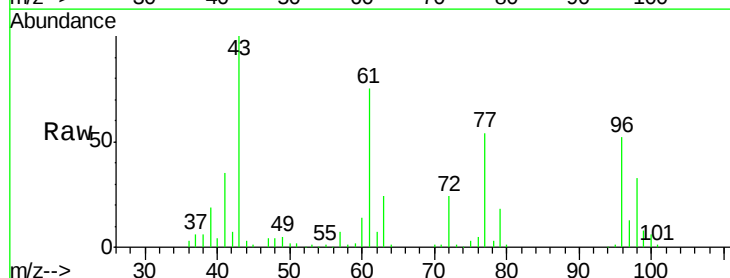
Manual Integrations
 APPROVED

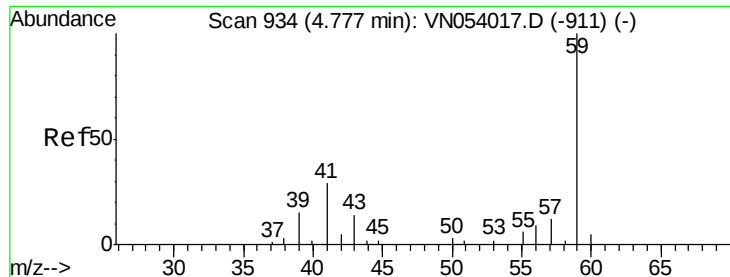
MMDadoda
 3/6/2019 10:24:00 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.034 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	152617		
61	150.6	116.7	175.1	
98	64.2	50.8	76.2	





#23
 tert-Butyl Alcohol
 Concen: 113.520 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

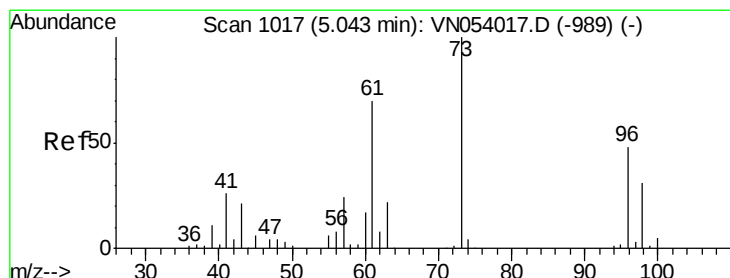
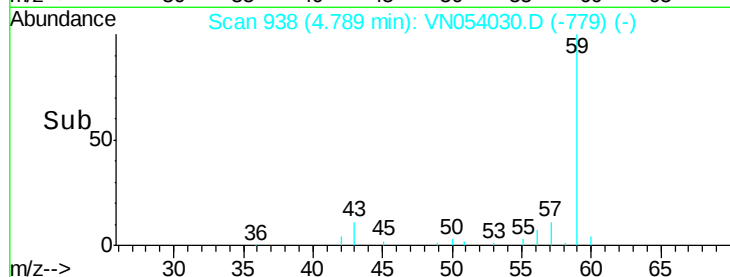
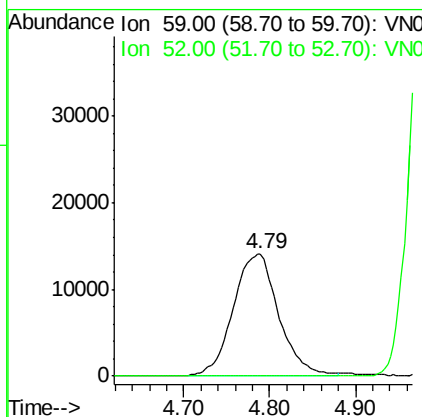
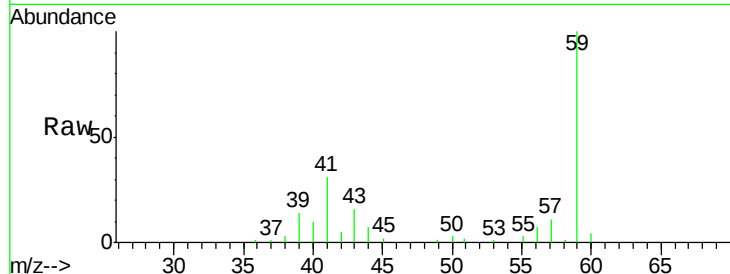
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52
59	100	0.0
52	0.0	0.0

Resp: 51963
 Lower Upper

Manual Integrations
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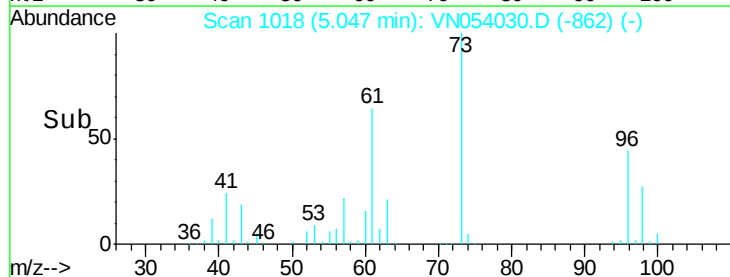
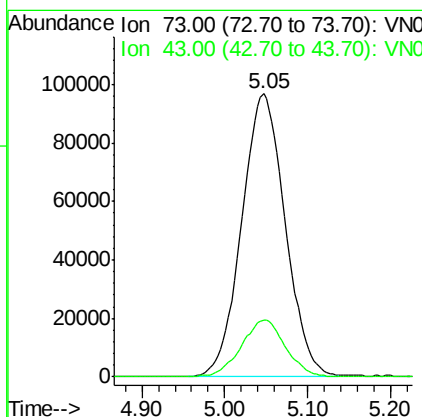
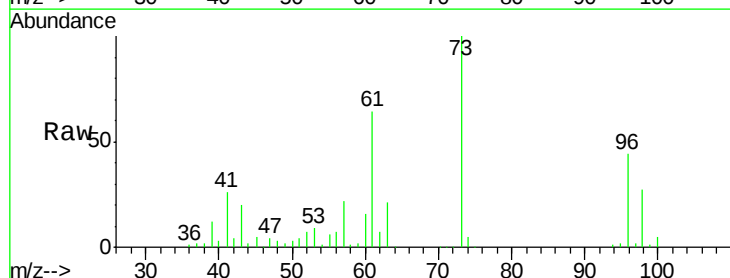
MMDadoda
 3/6/2019 10:24:00 AM

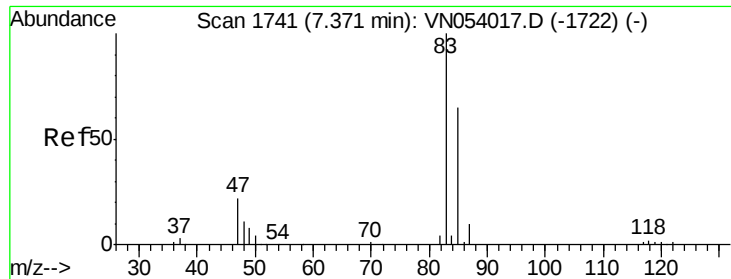


#24
 Methyl tert-Butyl Ether
 Concen: 20.686 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion	73	43
73	100	19.7
43	19.7	15.8

Resp: 353228
 Lower Upper





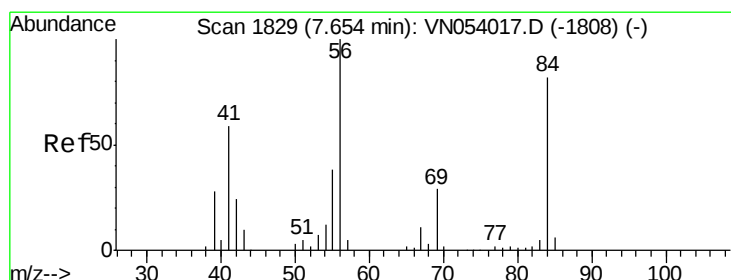
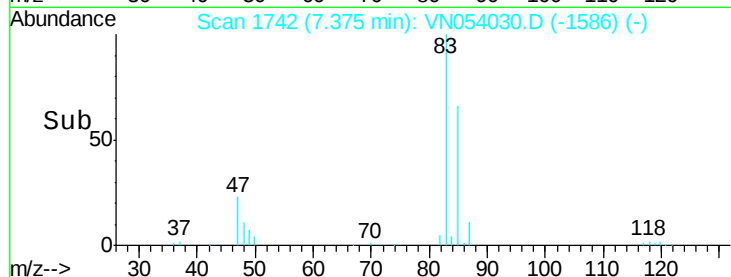
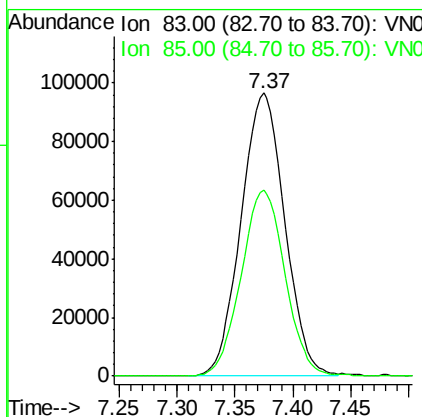
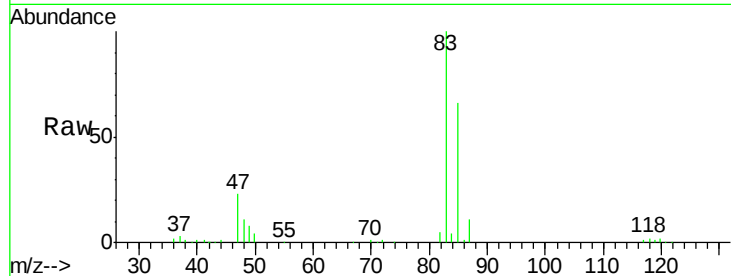
#25
Chloroform
Concen: 19.958 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 253780
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5

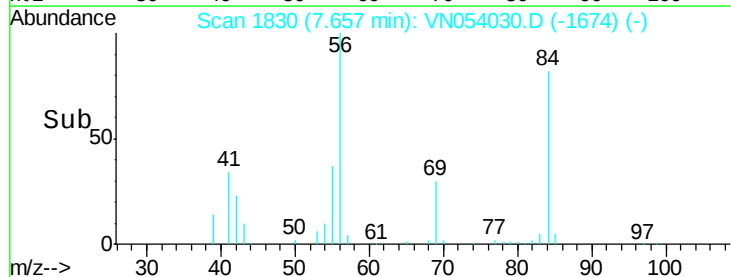
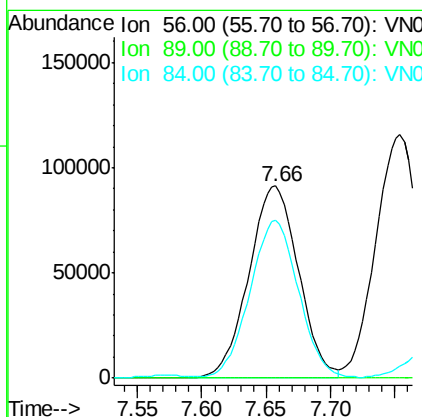
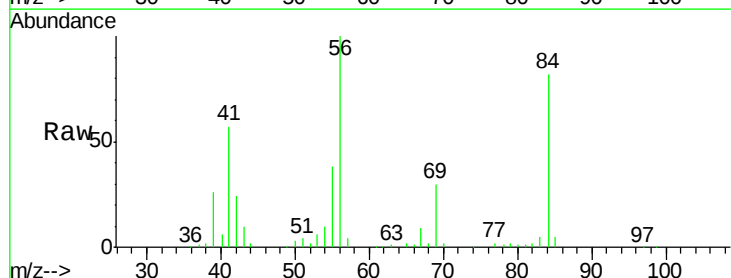
Manual Integrations
APPROVED

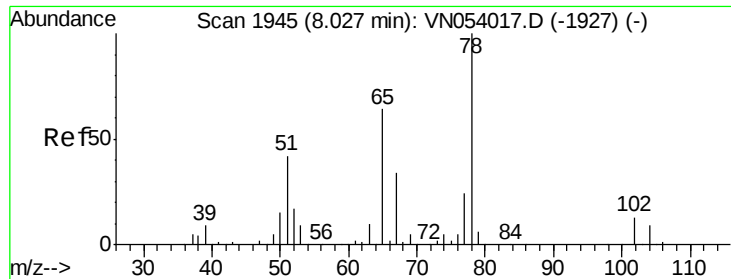
MMDadoda
3/6/2019 10:24:00 AM



#26
Cyclohexane
Concen: 20.375 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 56 Resp: 244367
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 80.7 66.2 99.2





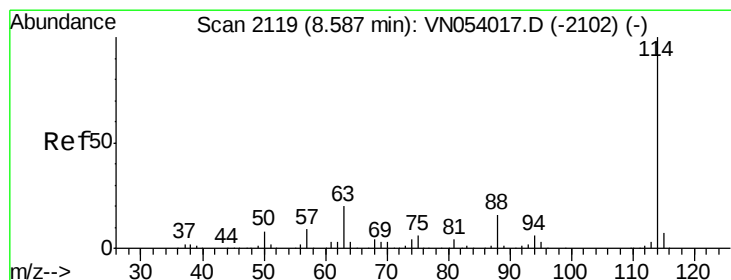
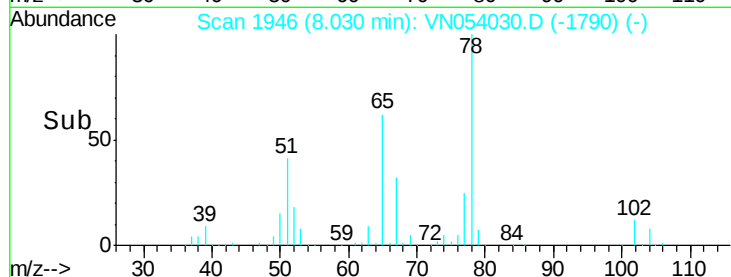
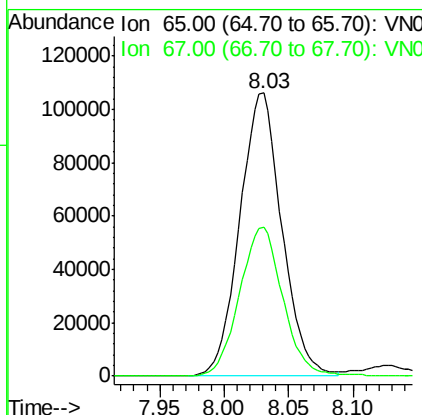
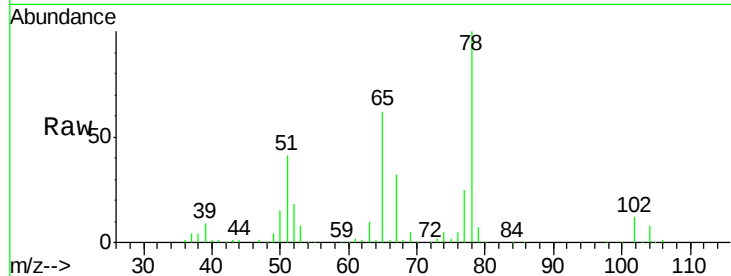
#27
 1,2-Dichloroethane-d4
 Concen: 20.375 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 241517
 Ion Ratio Lower Upper
 65 100
 67 53.9 44.6 66.8

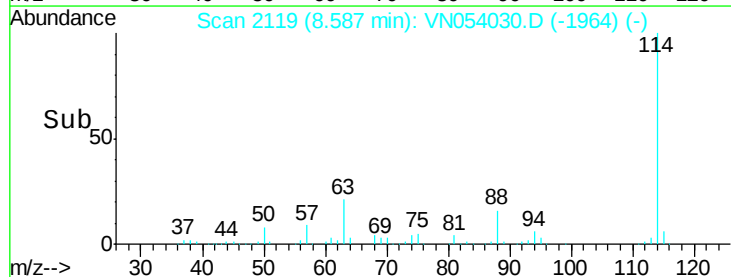
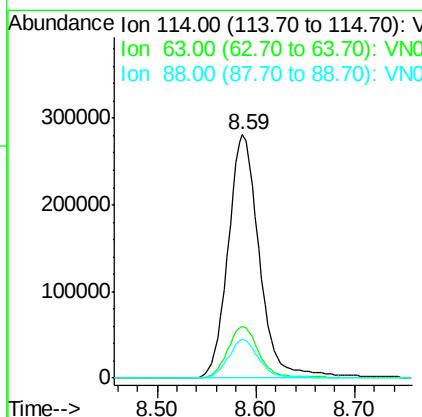
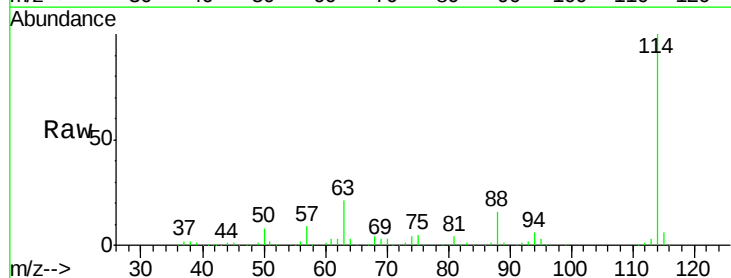
Manual Integrations
 APPROVED

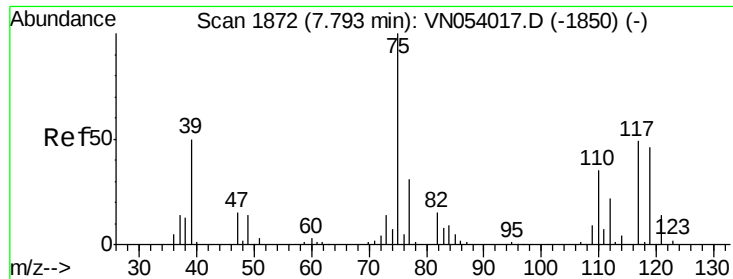
MMDadoda
 3/6/2019 10:24:00 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 114 Resp: 620054
 Ion Ratio Lower Upper
 114 100
 63 21.2 16.9 25.3
 88 15.4 12.8 19.2





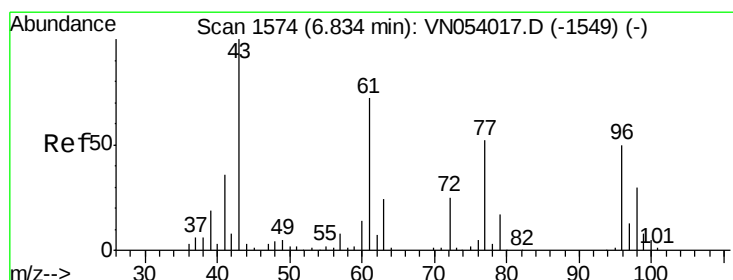
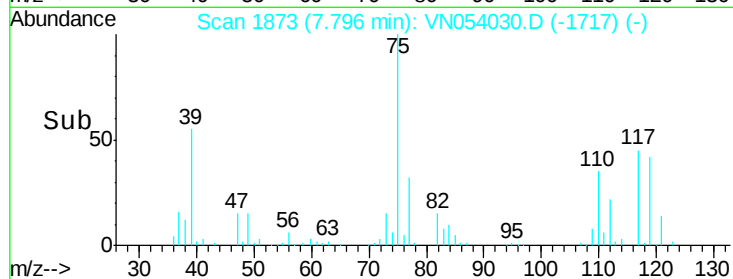
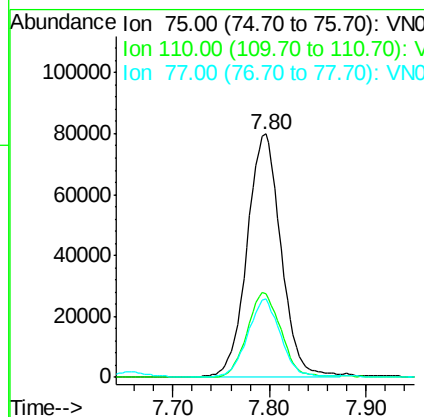
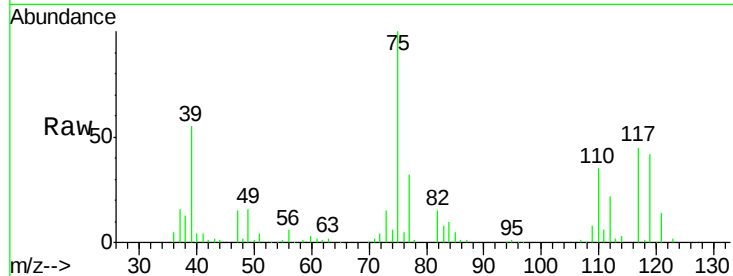
#29
 1,1-Dichloropropene
 Concen: 20.114 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.5	0.0	70.2
77	31.3	0.0	62.6

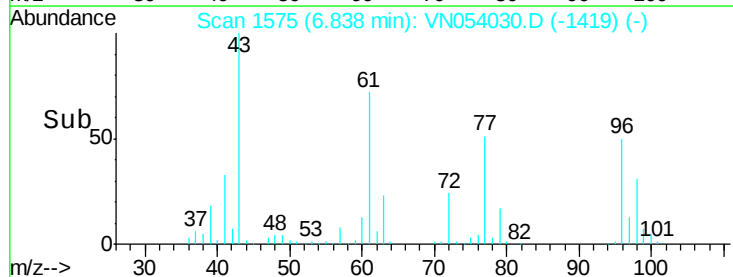
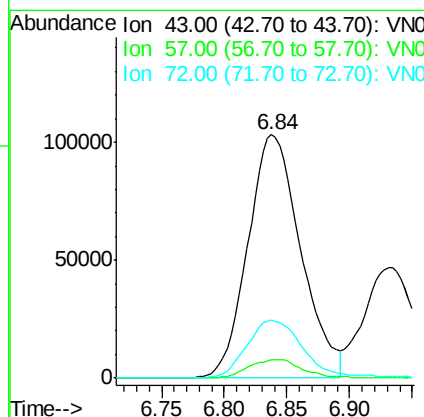
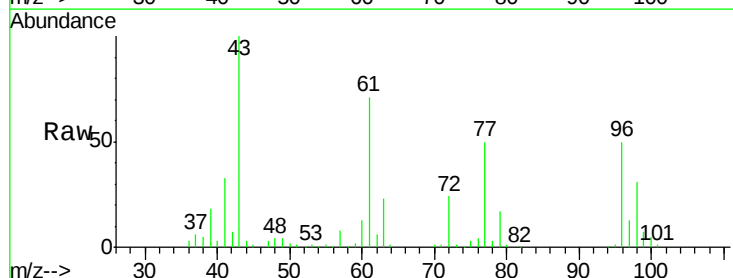
Manual Integrations
 APPROVED

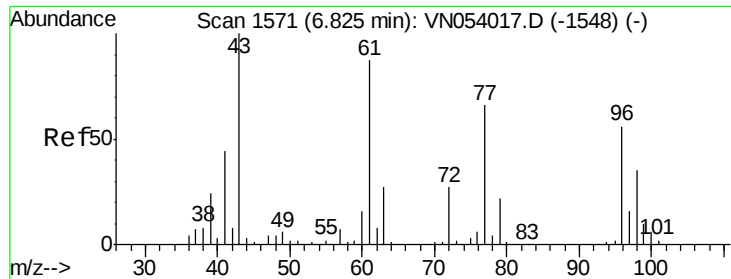
MMDadoda
 3/6/2019 10:24:00 AM



#30
 2-Butanone
 Concen: 97.927 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.2	9.4
72	25.0	21.0	31.6





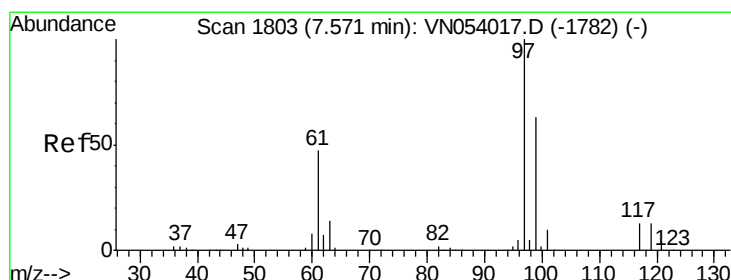
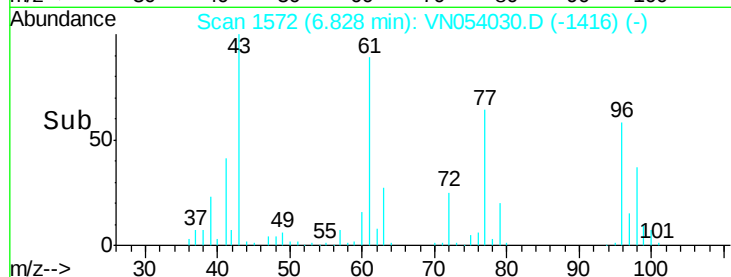
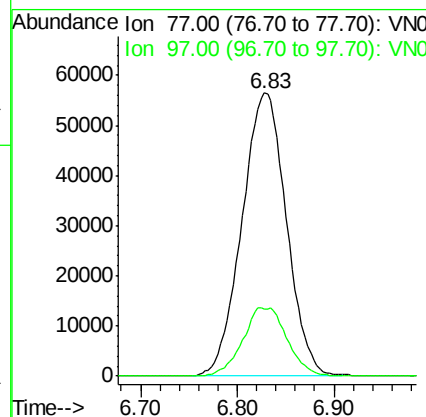
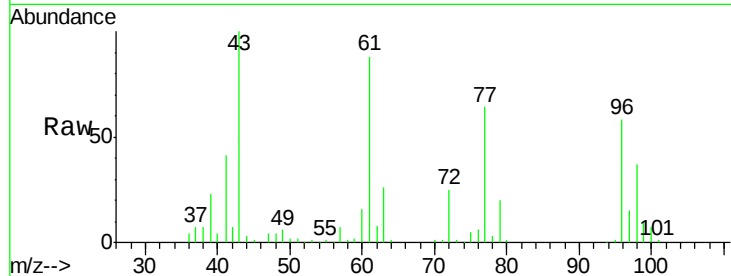
#31
 2,2-Dichloropropane
 Concen: 18.800 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 180047
 Ion Ratio Lower Upper
 77 100
 97 12.4 18.7 28.1#

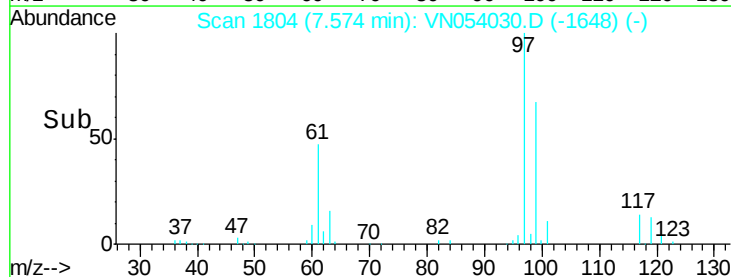
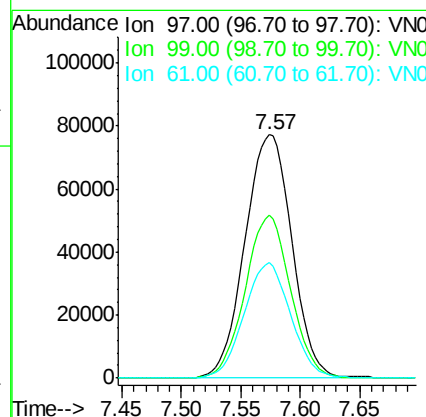
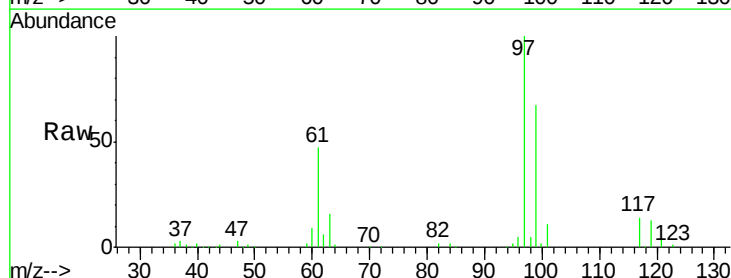
Manual Integrations
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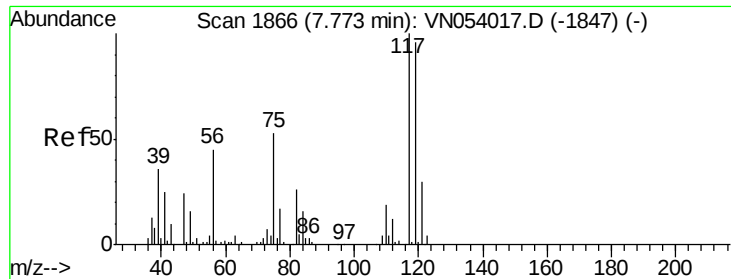
MMDadoda
 3/6/2019 10:24:00 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.205 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 97 Resp: 211077
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.9 76.3
 61 46.9 38.1 57.1





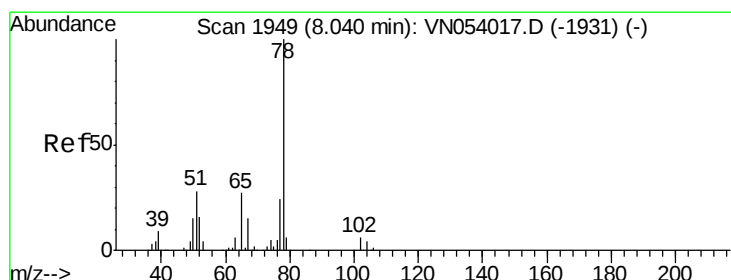
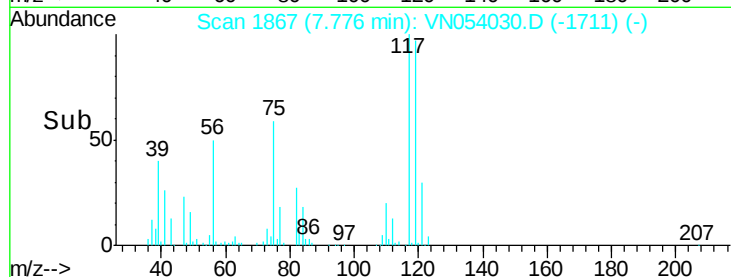
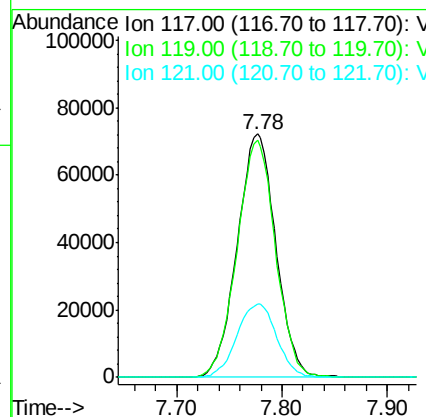
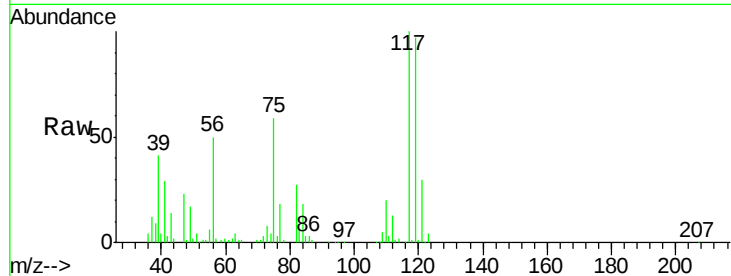
#33
Carbon Tetrachloride
Concen: 19.872 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	183811		
119	97.5	77.3	115.9	
121	30.3	24.9	37.3	

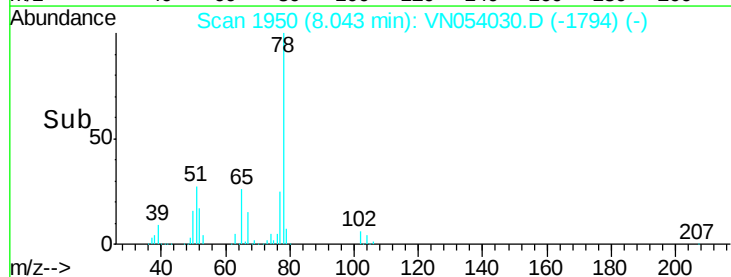
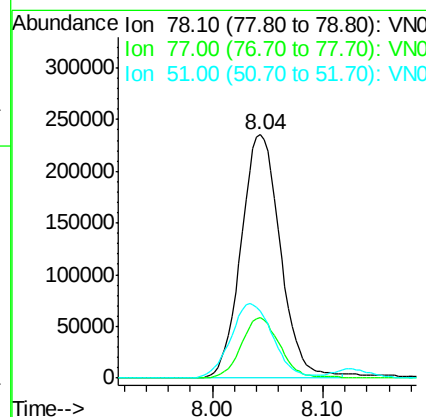
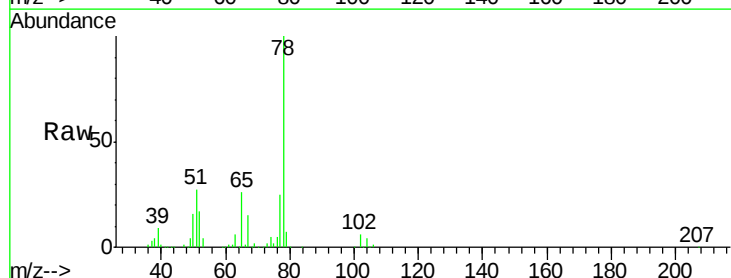
Manual Integrations
APPROVED

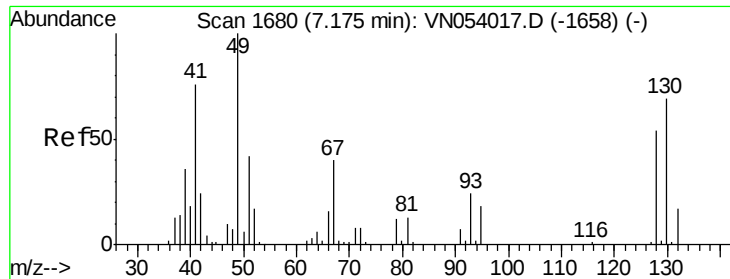
MMDadoda
3/6/2019 10:24:00 AM



#34
Benzene
Concen: 20.130 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	581037		
77	24.7	19.0	28.6	
51	27.3	20.5	30.7	





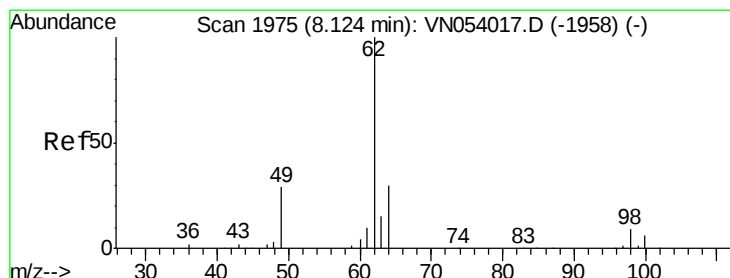
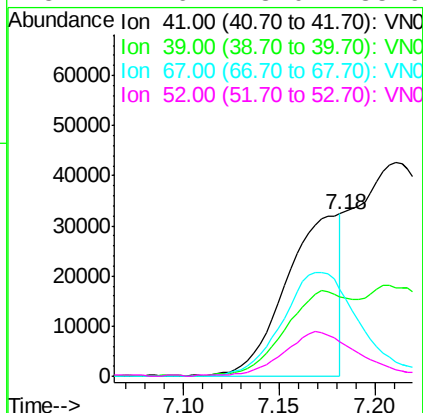
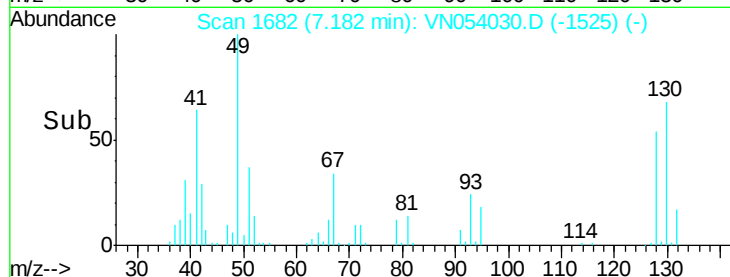
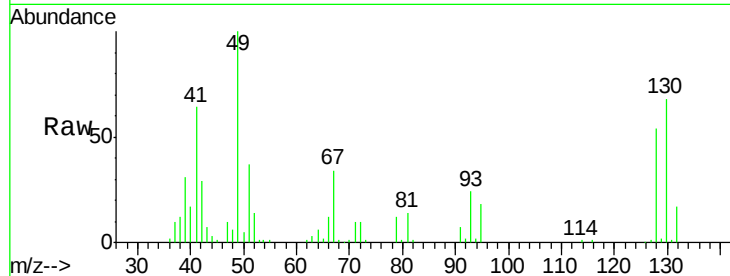
#35
Methacrylonitrile
Concen: 18.625 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.2	26.6	79.7	
67	53.7	32.3	96.9	
52	21.6	13.0	38.9	

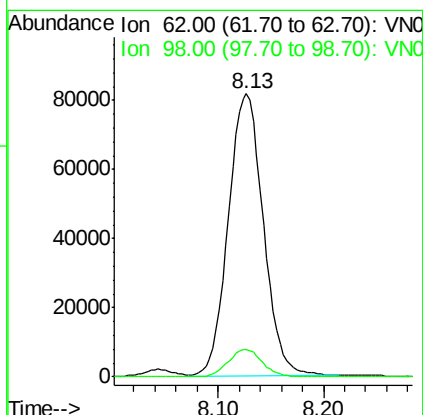
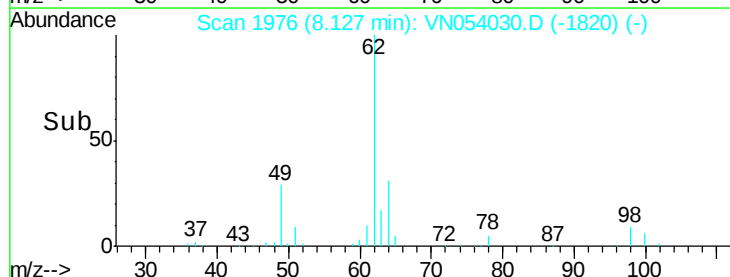
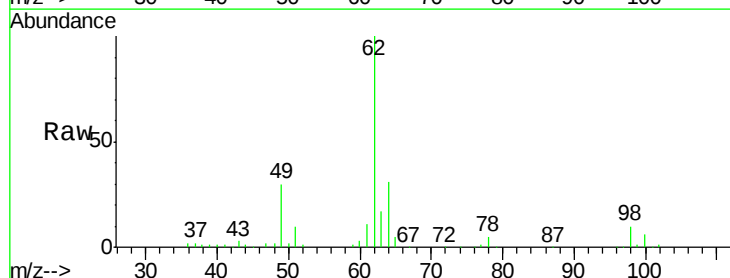
Manual Integrations
APPROVED

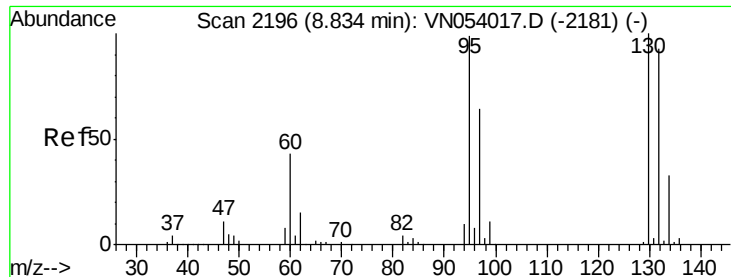
MMDadoda
3/6/2019 10:24:00 AM



#36
1,2-Dichloroethane
Concen: 20.332 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	7.4	11.2	





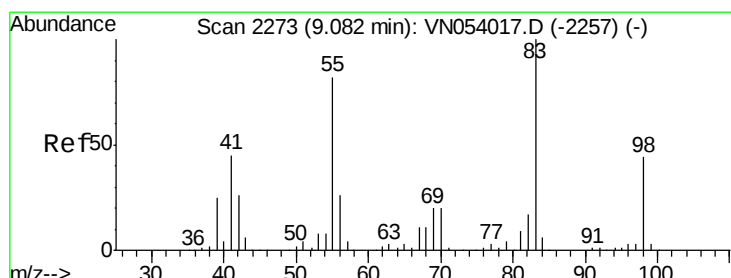
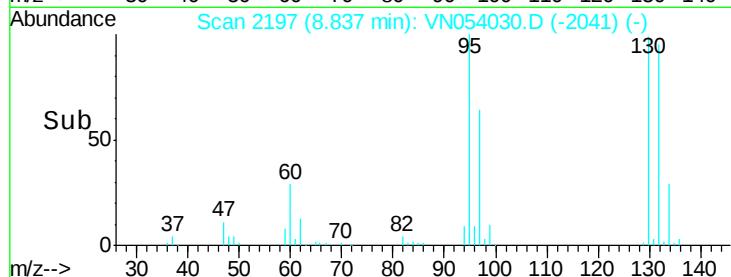
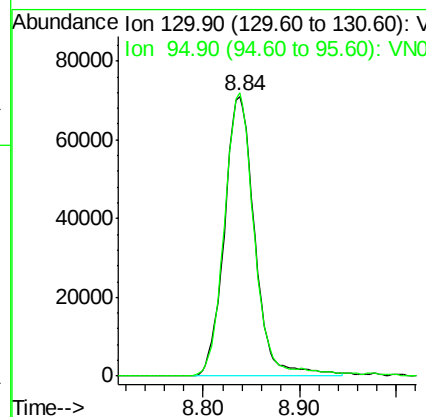
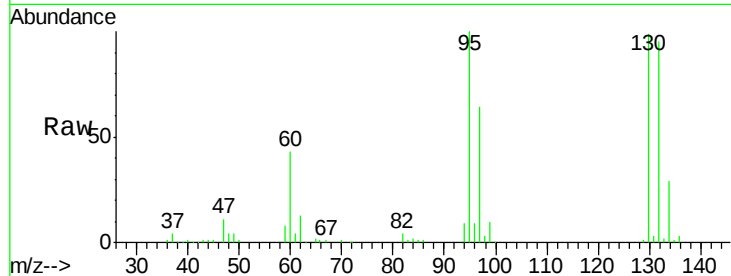
#37
 Trichloroethene
 Concen: 20.558 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 154903
 Ion Ratio Lower Upper
 130 100
 95 101.0 81.0 121.4

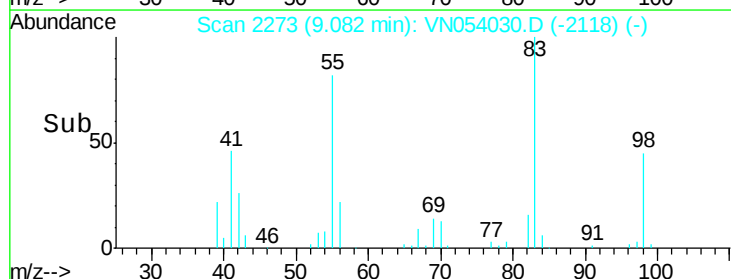
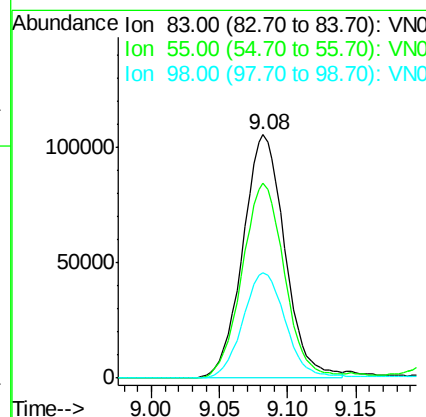
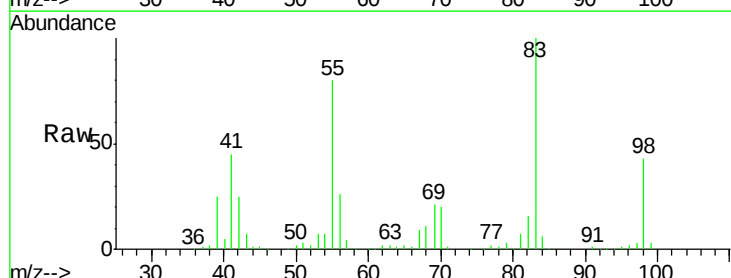
Manual Integrations
 APPROVED

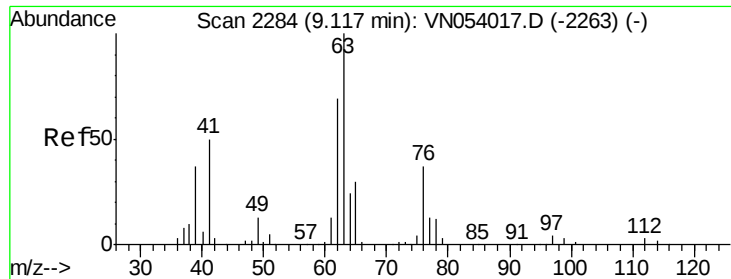
MMDadoda
 3/6/2019 10:24:00 AM



#38
 Methylcyclohexane
 Concen: 19.646 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 83 Resp: 225204
 Ion Ratio Lower Upper
 83 100
 55 80.8 39.8 119.4
 98 44.1 22.9 68.5





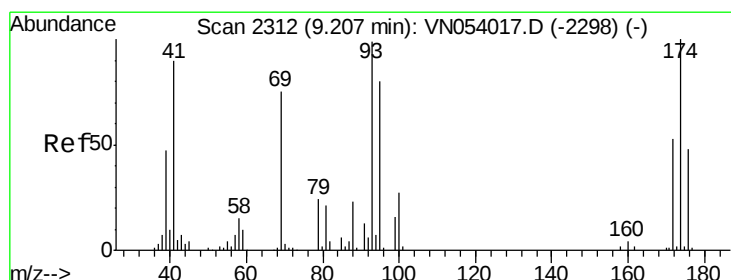
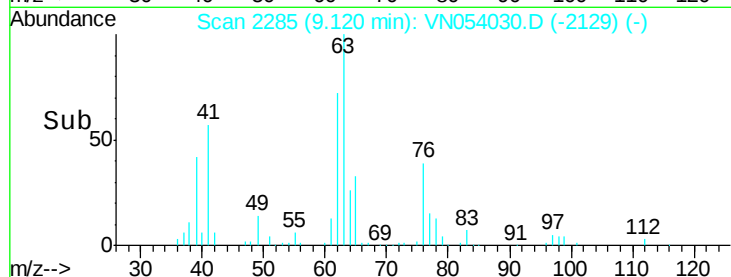
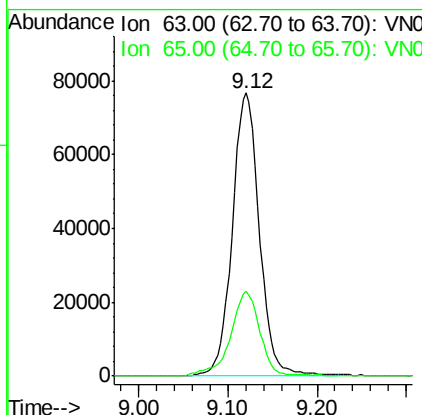
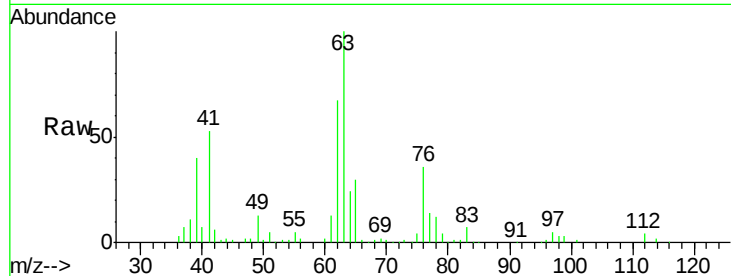
#39
 1,2-Dichloropropane
 Concen: 20.278 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 160350
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.6 35.4

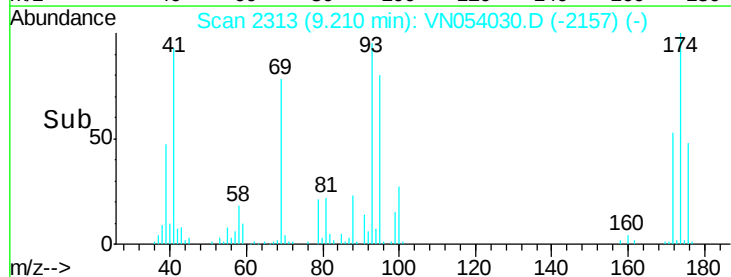
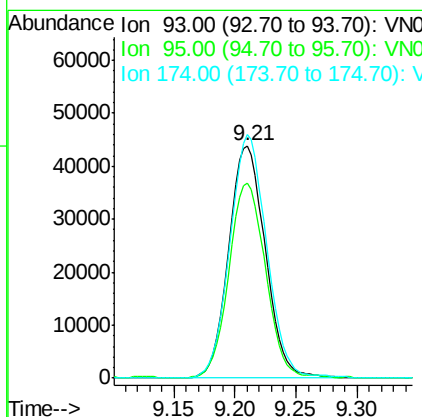
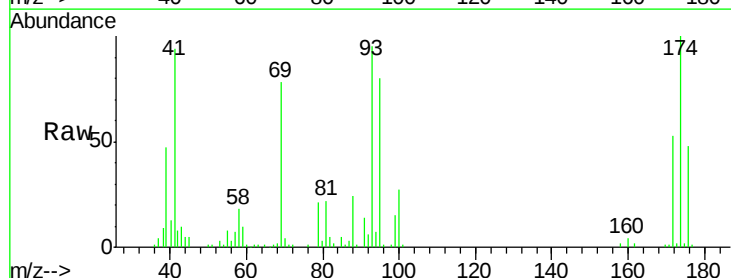
Manual Integrations
 APPROVED

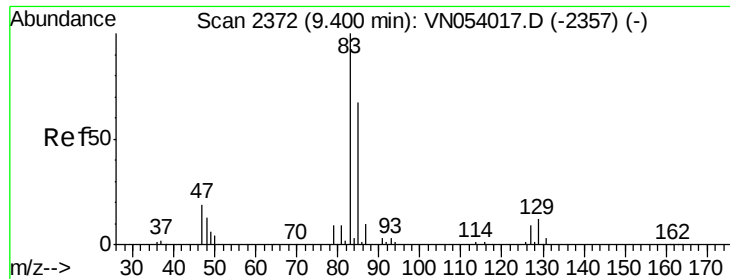
MMDadoda
 3/6/2019 10:24:00 AM



#40
 Dibromomethane
 Concen: 20.294 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion: 93 Resp: 91995
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 168.4
 174 104.5 0.0 210.0





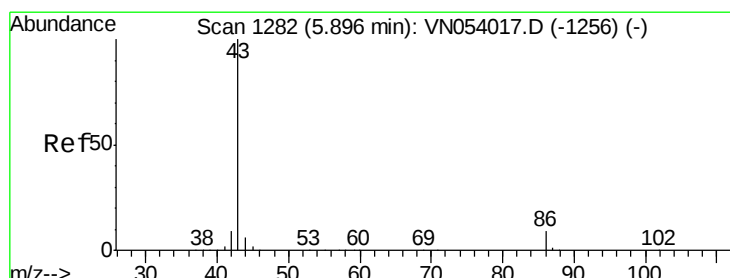
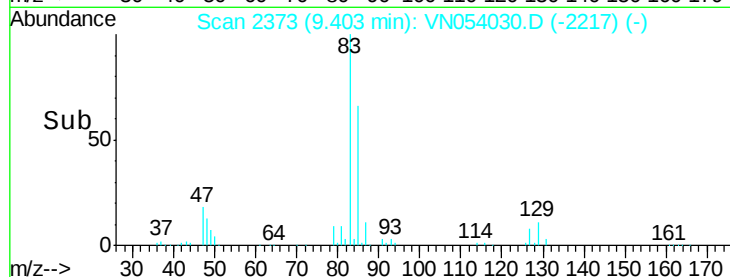
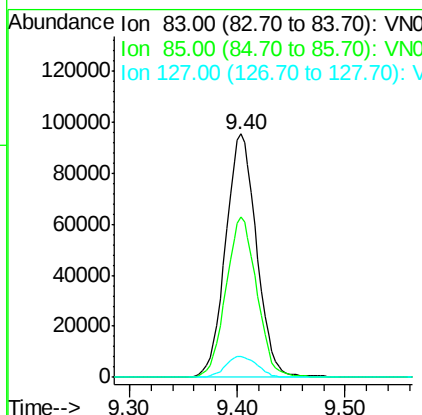
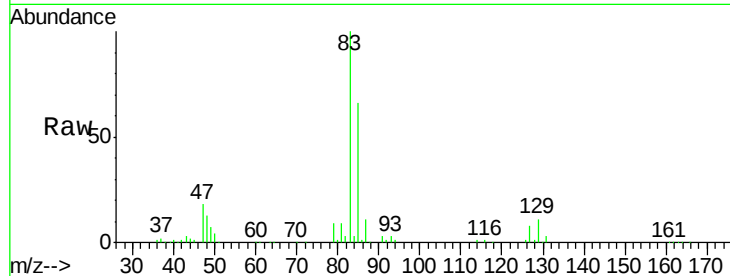
#41
Bromodichloromethane
Concen: 19.866 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	191082
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	52.4	78.6
127	8.5	6.6	9.8

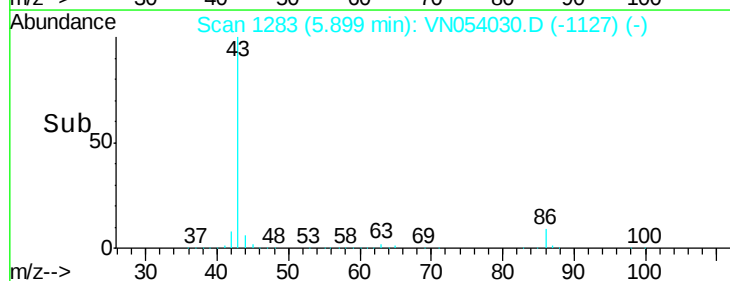
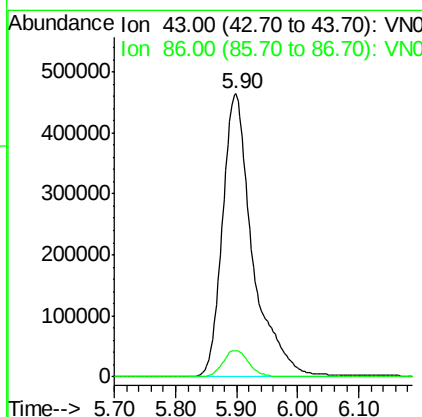
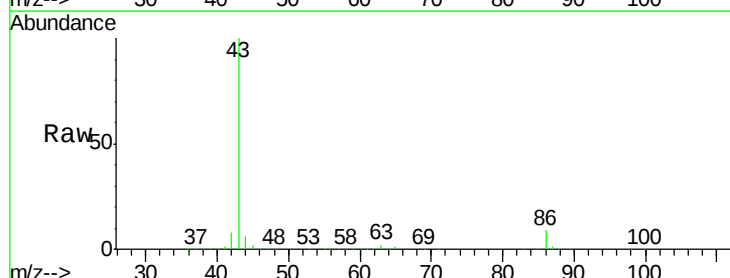
Manual Integrations
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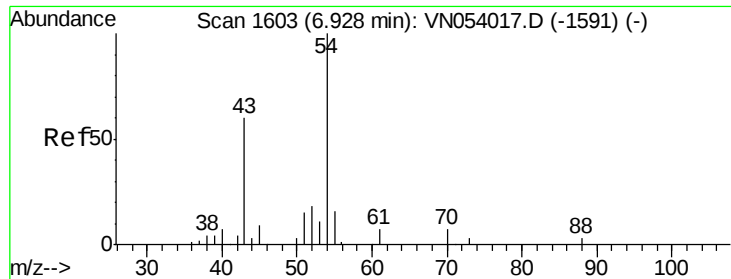
MMDadoda
3/6/2019 10:24:00 AM



#42
Vinyl Acetate
Concen: 100.600 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	43	Resp	1593772
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.5	9.7





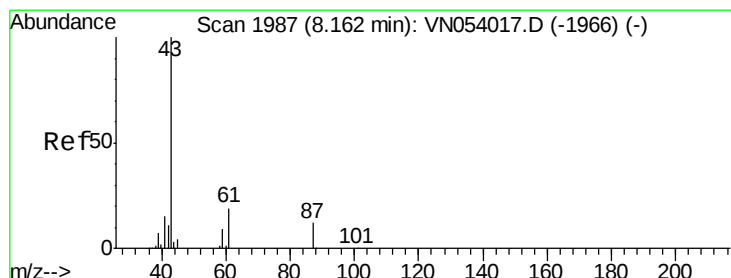
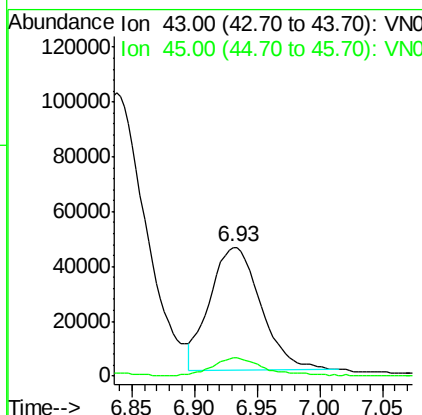
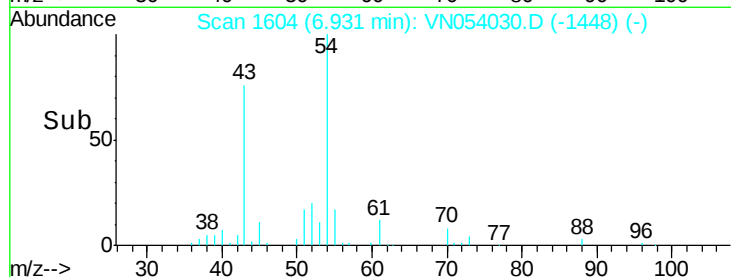
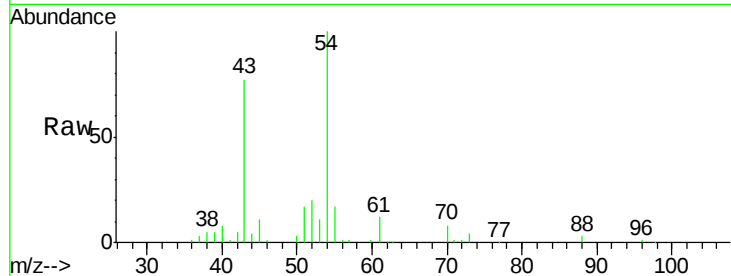
#43
Ethyl Acetate
Concen: 19.706 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 126577
Ion Ratio Lower Upper
43 100
45 13.7 1.0 1.6#

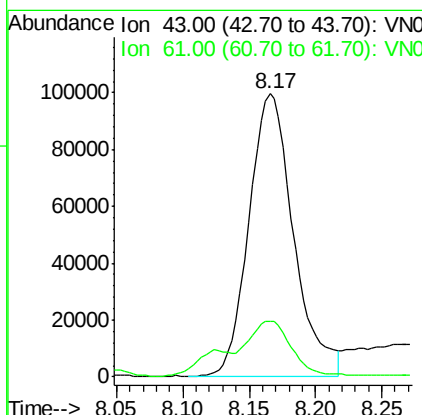
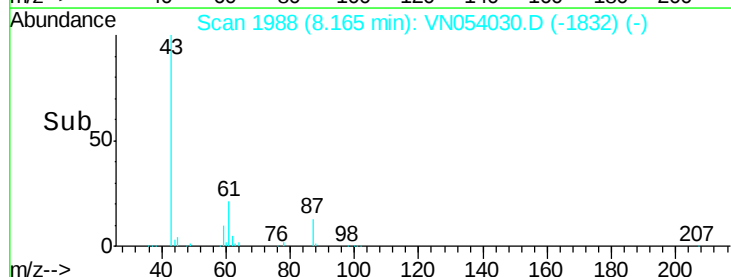
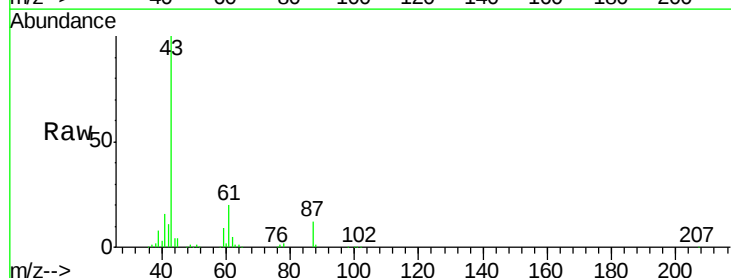
Manual Integrations
APPROVED

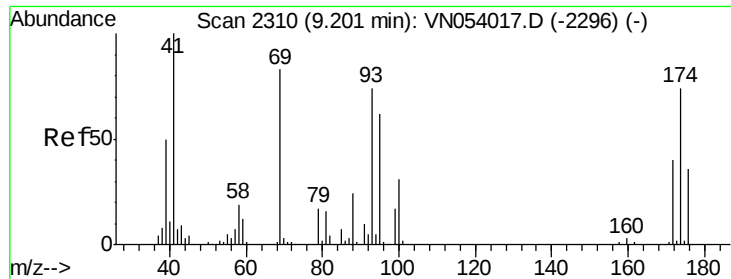
MMDadoda
3/6/2019 10:24:00 AM



#44
Isopropyl Acetate
Concen: 20.638 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 43 Resp: 232609
Ion Ratio Lower Upper
43 100
61 18.2 16.0 24.0





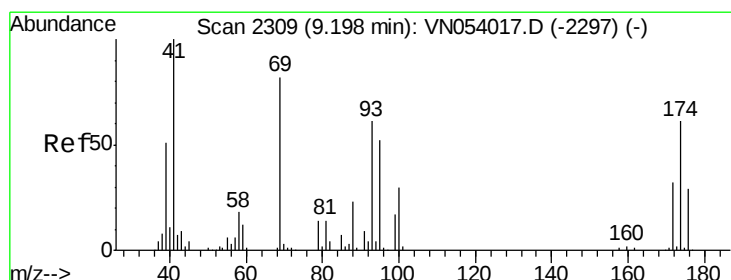
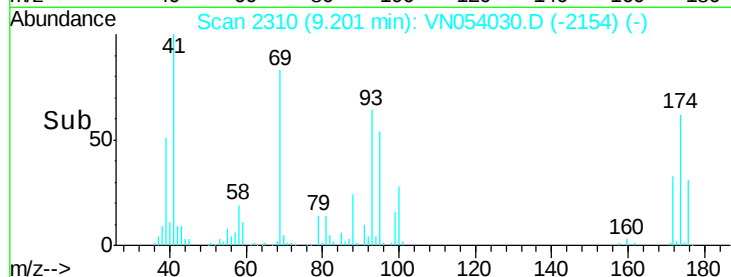
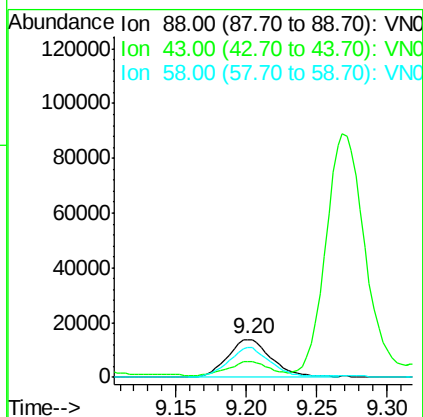
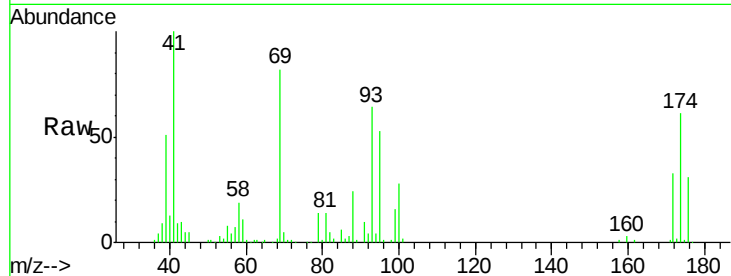
#45
1,4-Dioxane
Concen: 456.073 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	29.5	44.3
58	75.5	61.5	92.3

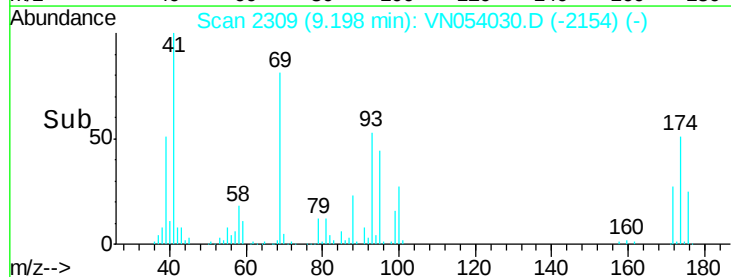
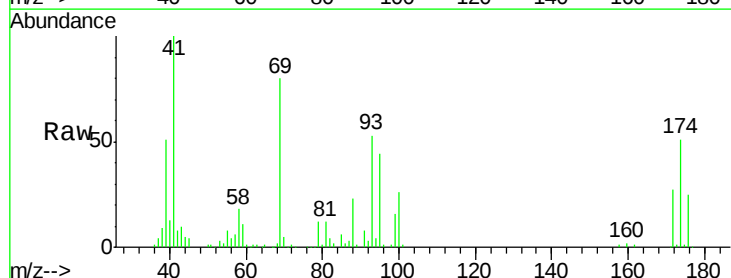
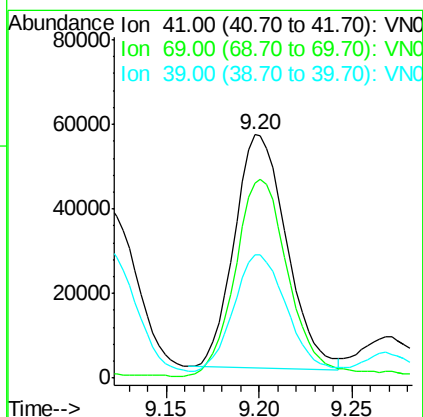
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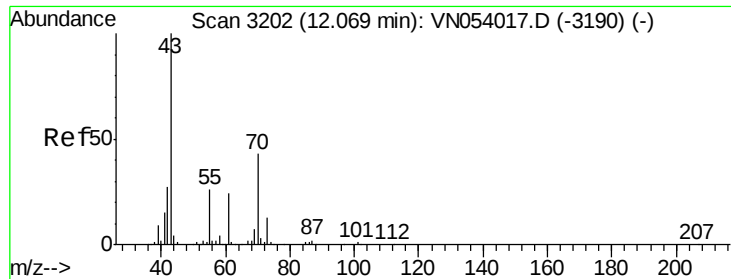
MMDadoda
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#46
Methyl methacrylate
Concen: 20.018 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.1	42.5	127.6
39	50.3	26.3	78.9





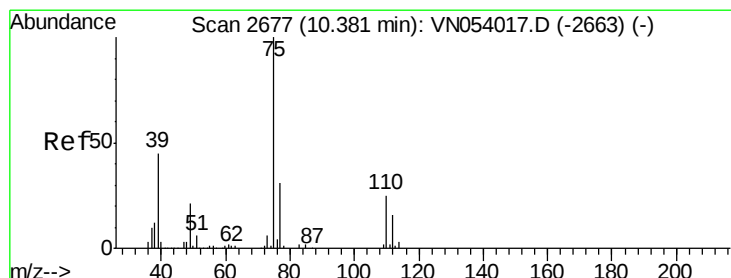
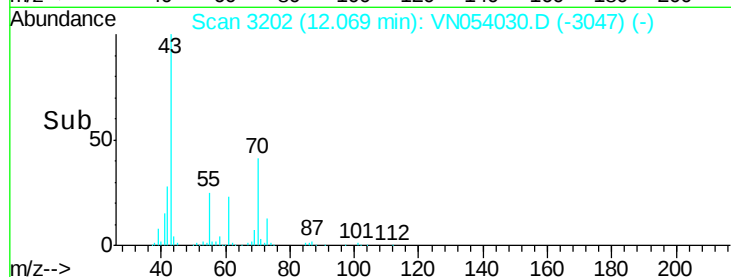
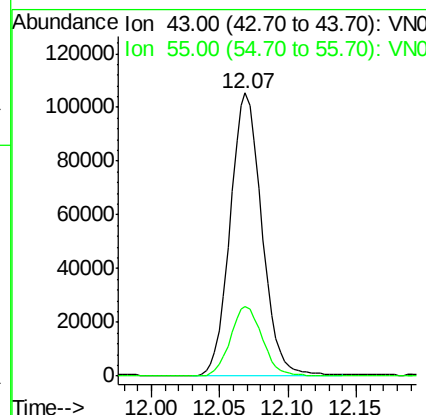
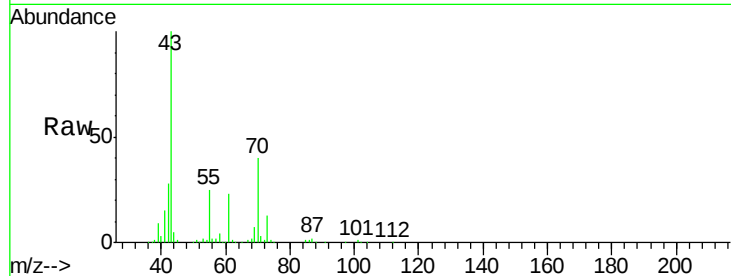
#47
n-amvl Acetate
Concen: 20.424 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 169096
Ion Ratio Lower Upper
43 100
55 25.1 21.1 31.7

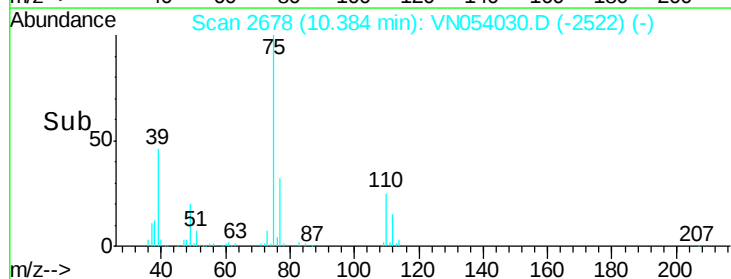
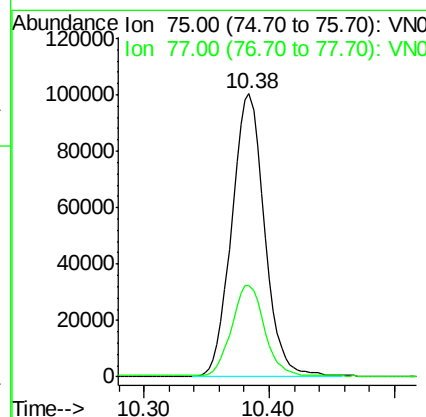
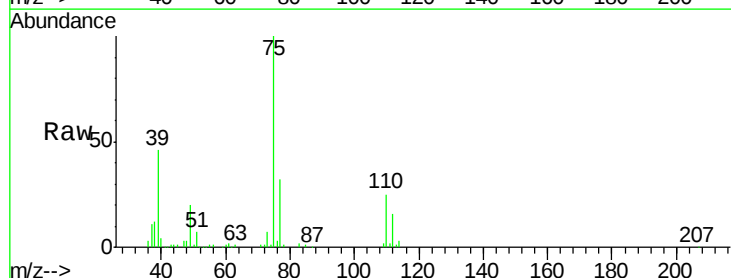
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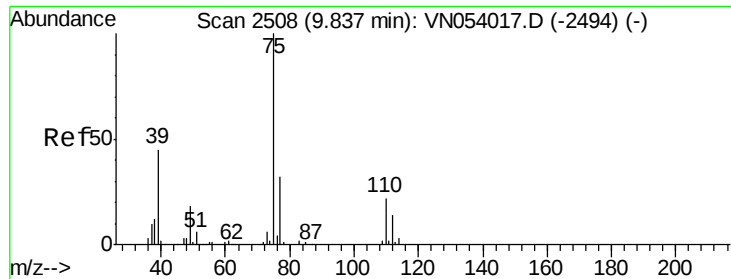
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#48
t-1,3-Dichloropropene
Concen: 18.973 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion: 75 Resp: 182972
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4





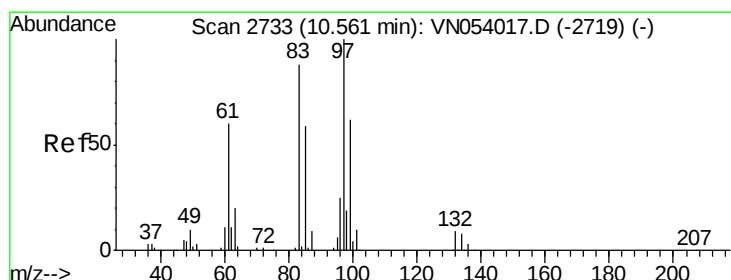
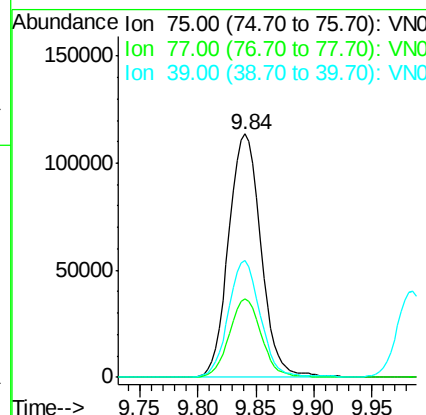
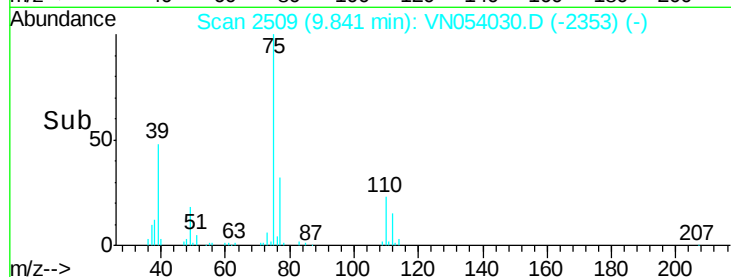
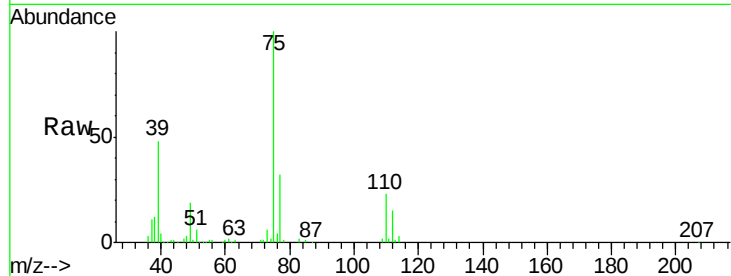
#49
 cis-1,3-Dichloropropene
 Concen: 19.444 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	220191
Ion Ratio		Lower	Upper
75	100		
77	32.2	25.4	38.0
39	48.0	37.3	55.9

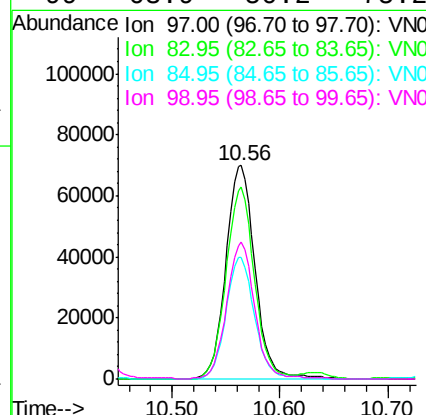
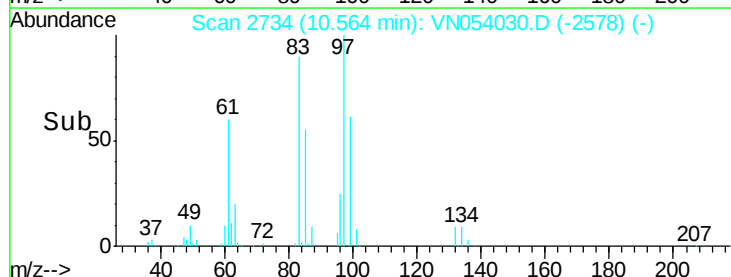
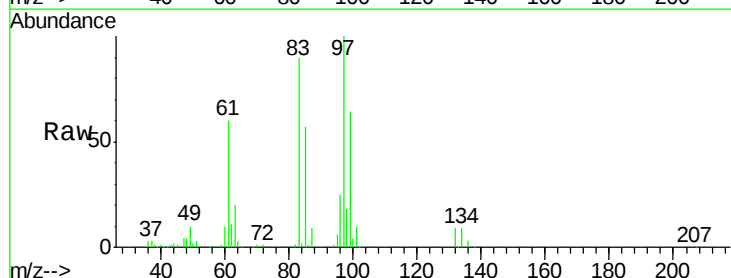
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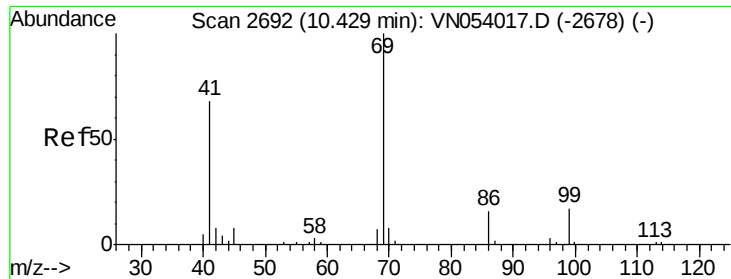
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.683 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion:	97	Resp:	131521
Ion Ratio		Lower	Upper
97	100		
83	89.6	70.4	105.6
85	56.7	45.0	67.6
99	63.9	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.005 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

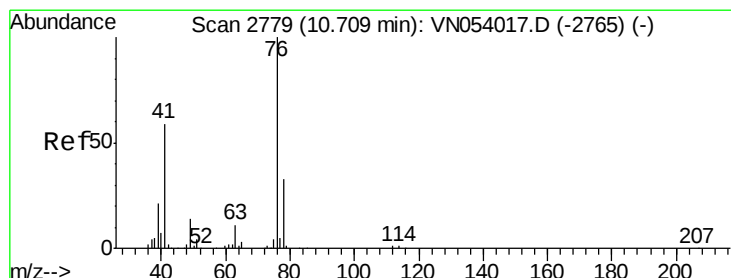
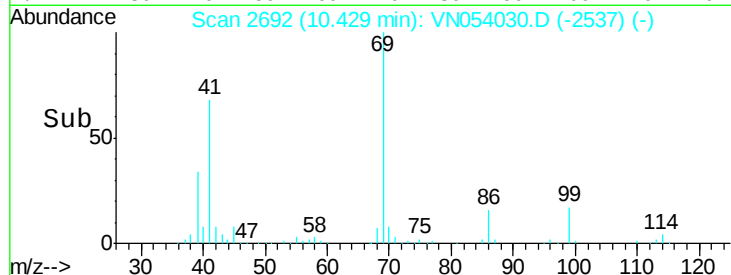
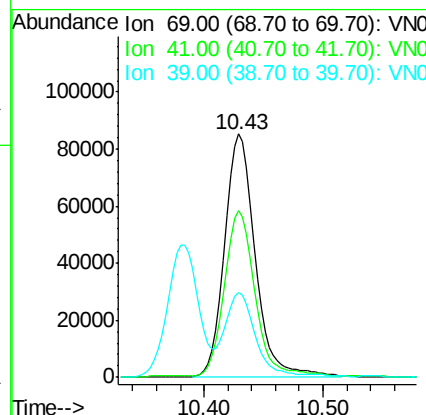
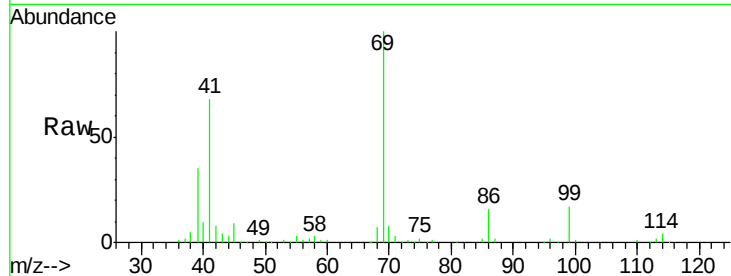
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	153138
Ion	Ratio	Lower	Upper
69	100		
41	68.0	34.4	103.3
39	34.2	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.247 ug/l

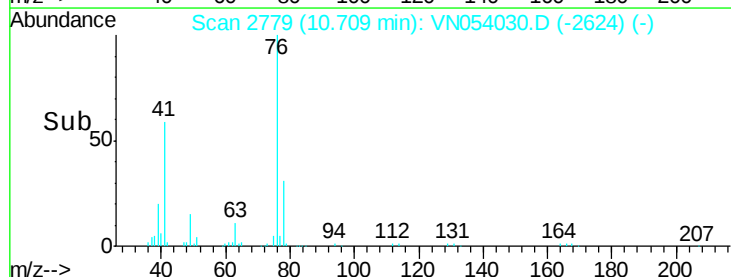
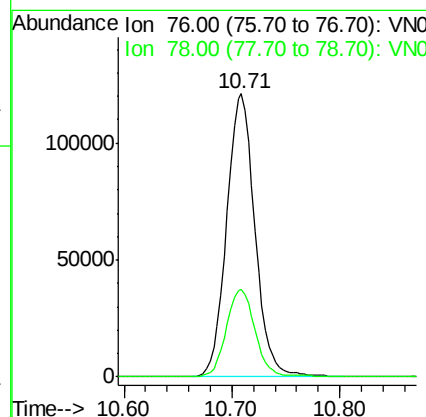
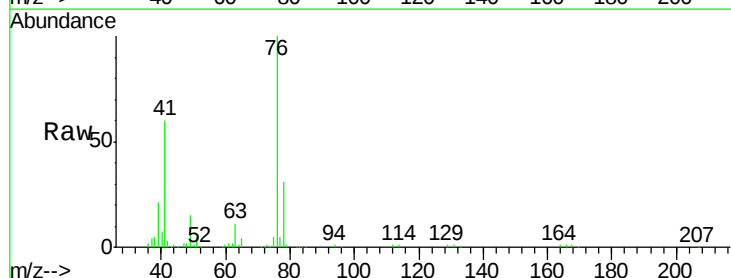
RT: 10.71 min Scan# 2779

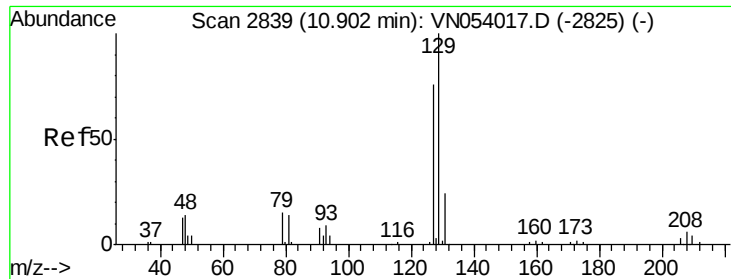
Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Tgt Ion:	76	Resp:	220966
Ion	Ratio	Lower	Upper
76	100		
78	31.2	0.0	64.8





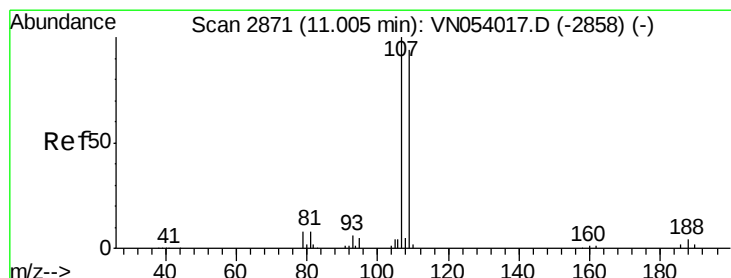
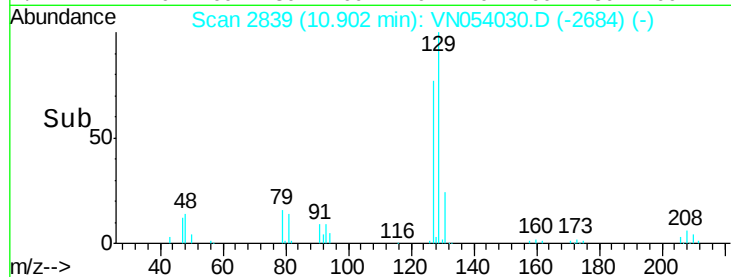
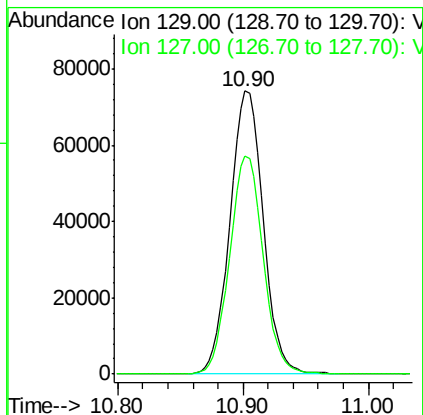
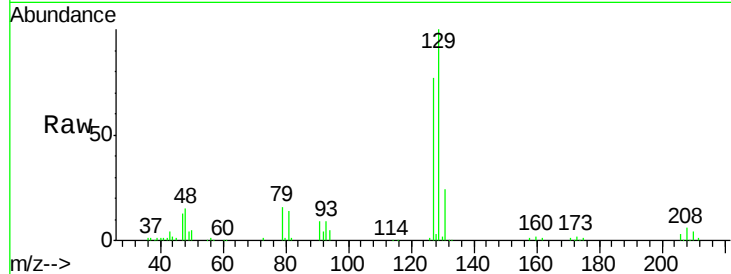
#53
Dibromochloromethane
Concen: 19.620 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.3	37.6	112.8

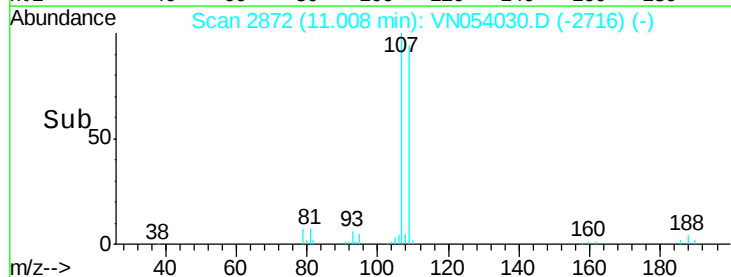
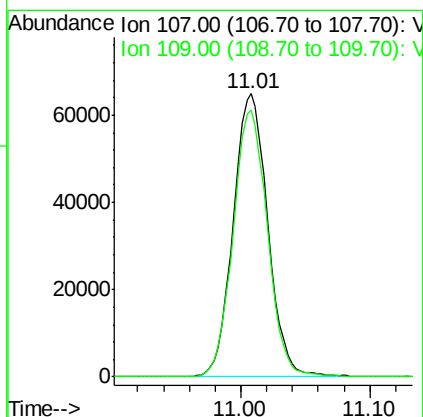
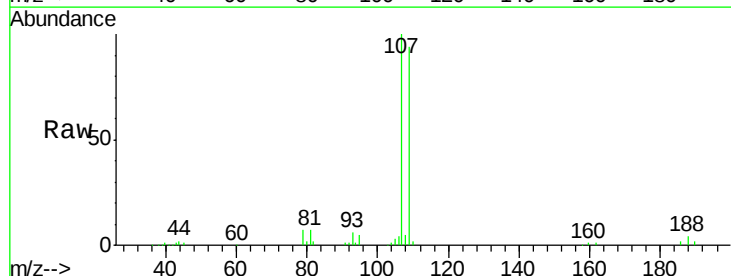
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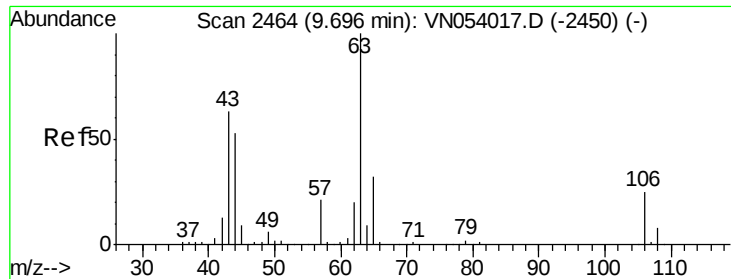
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#54
1,2-Dibromoethane
Concen: 19.947 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	77.1	115.7





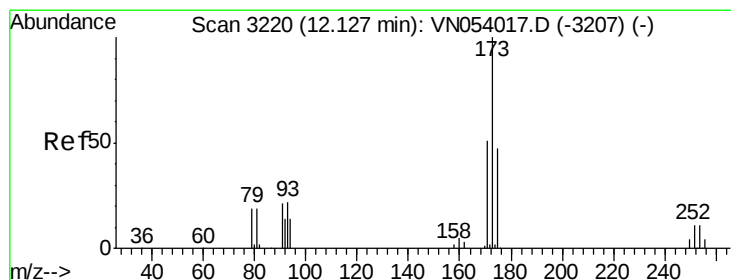
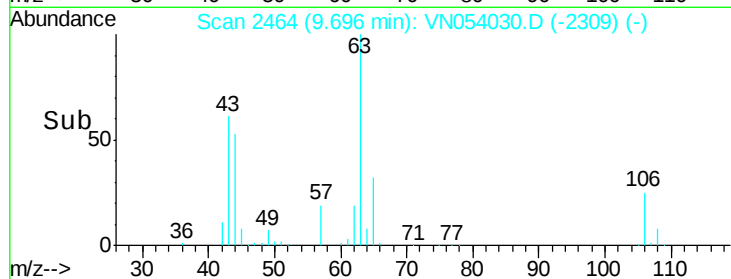
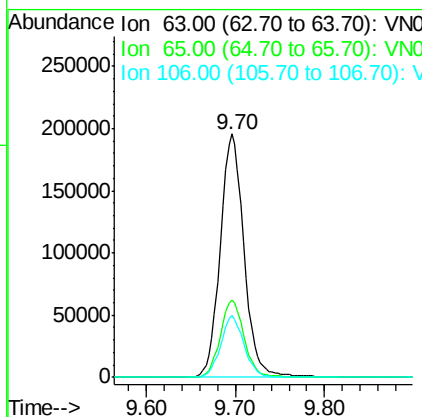
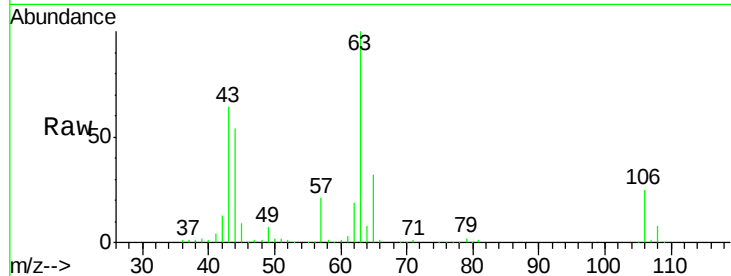
#55
2-Chloroethyl vinyl ether
Concen: 101.811 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.4	38.2
106	24.8	20.4	30.6

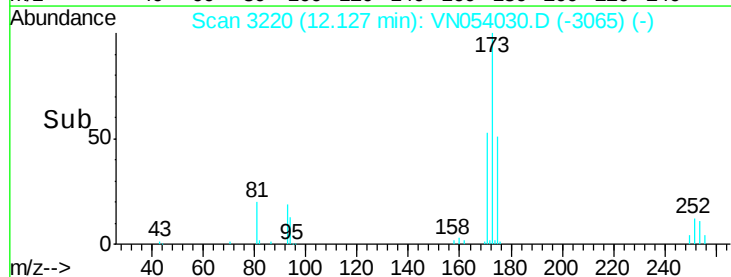
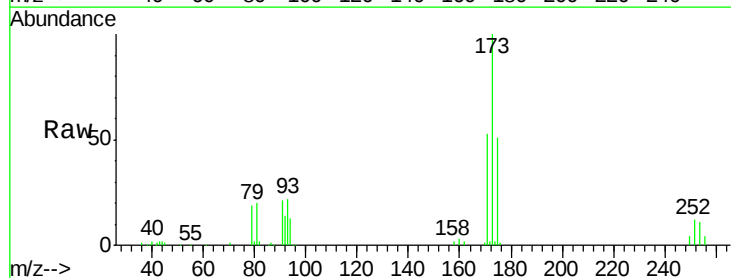
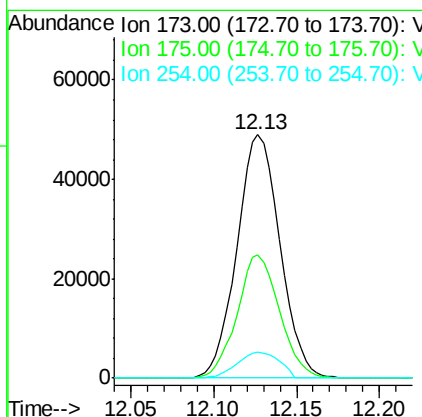
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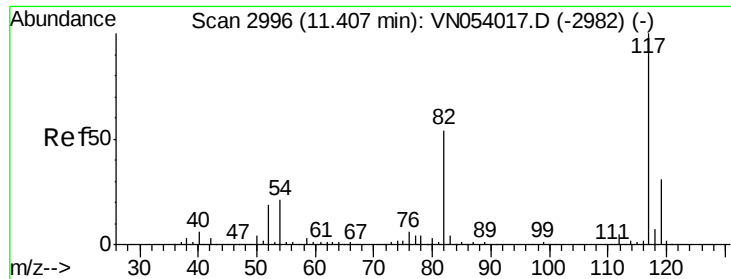
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3/6/2019 10:24:00 AM



#56
Bromoform
Concen: 19.138 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.7	58.1
254	10.4	8.4	12.6





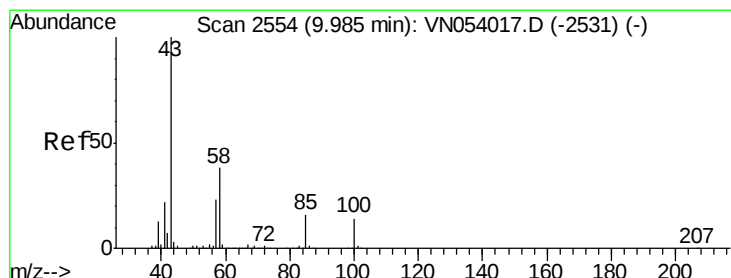
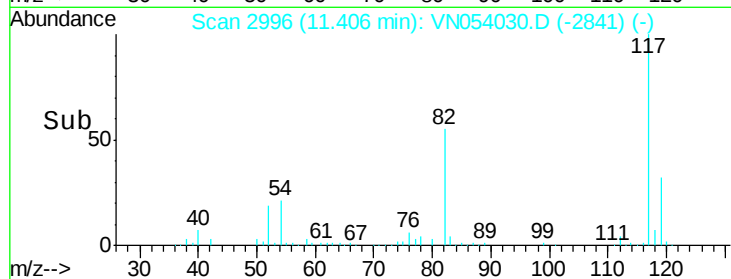
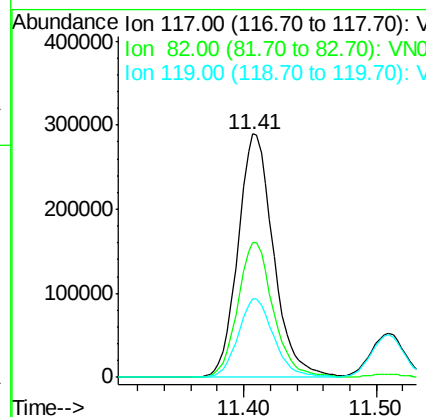
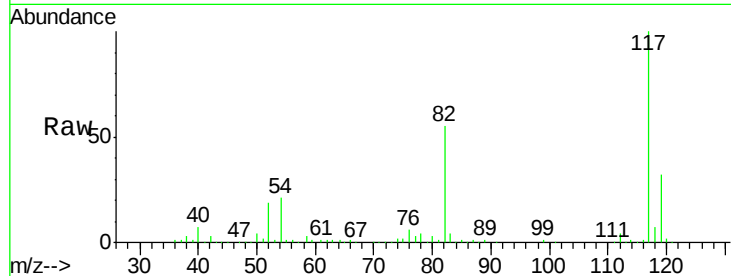
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.2
119	32.4	25.4	38.2

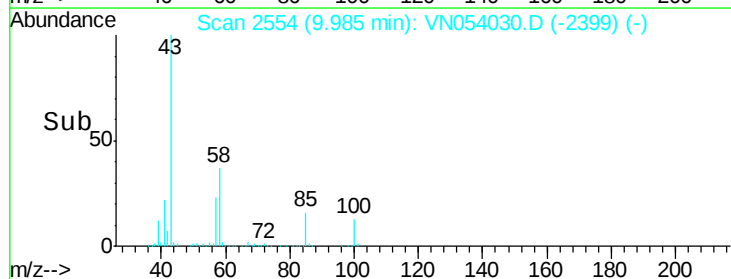
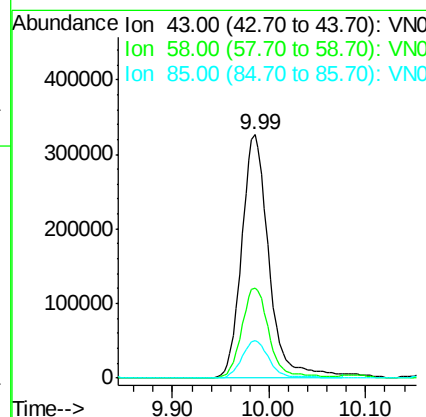
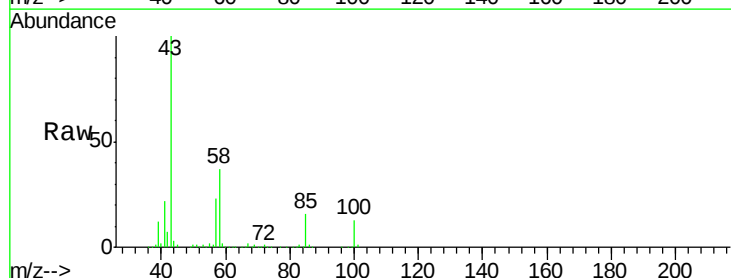
Manual Integrations
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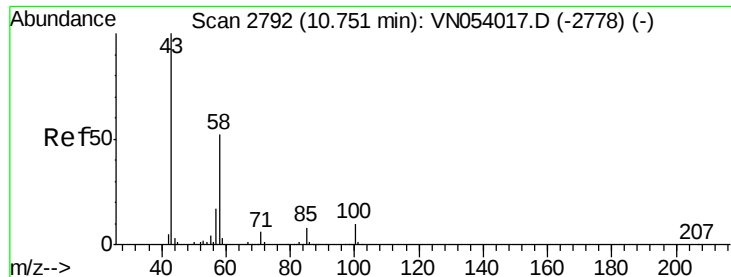
MMDadoda
3/6/2019 10:24:00 AM



#58
4-Methyl-2-Pentanone
Concen: 104.906 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.2	31.6	47.4
85	15.4	13.3	19.9





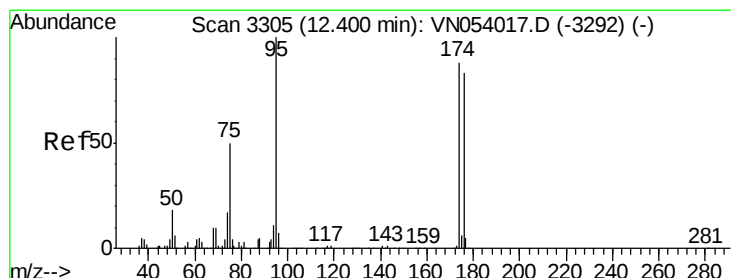
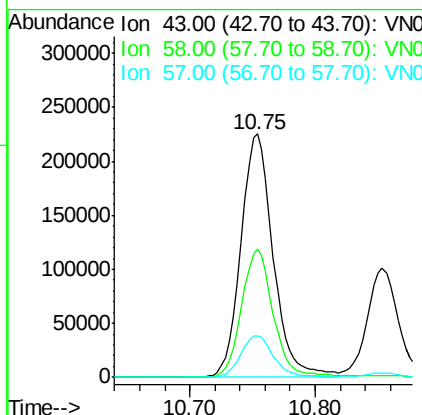
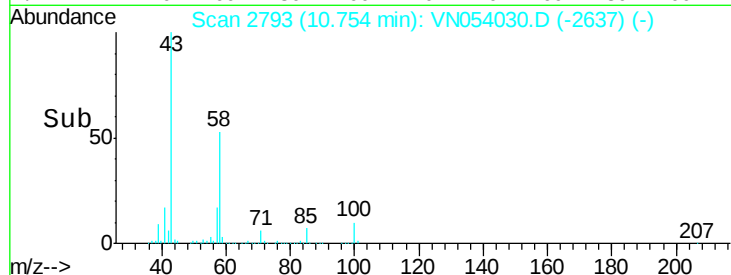
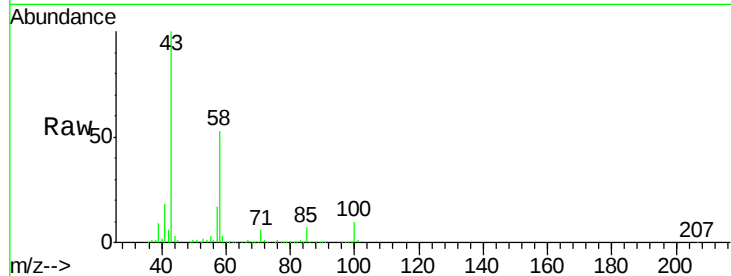
#59
2-Hexanone
Concen: 101.348 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.0	43.2	64.8
57	17.6	14.9	22.3

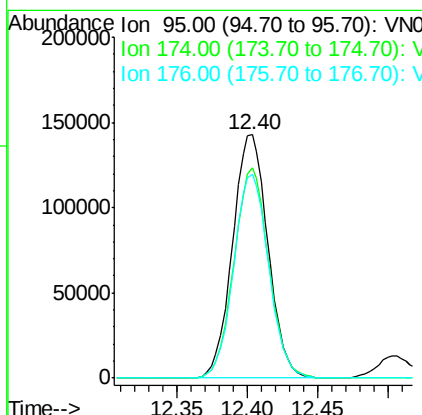
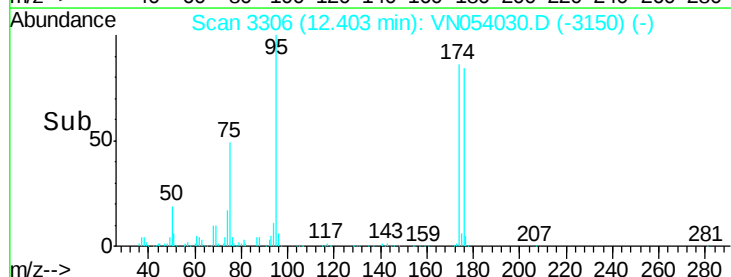
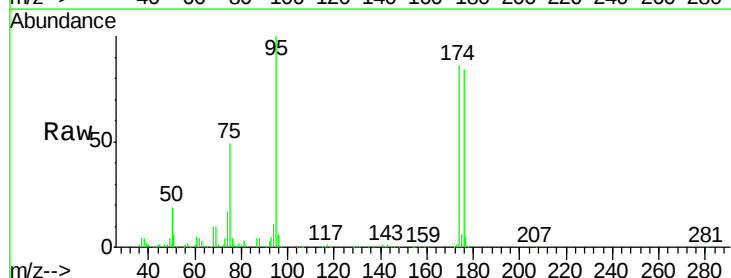
Manual Integrations
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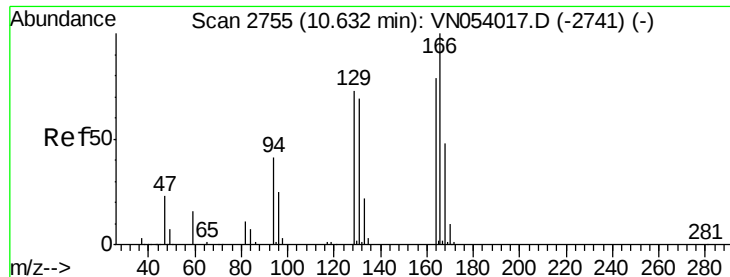
MMDadoda
3/6/2019 10:24:00 AM



#60
4-Bromofluorobenzene
Concen: 101.348 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	67.9	101.9
176	83.0	66.4	99.6





#61

Tetrachloroethene

Concen: 20.319 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 152242

Ion Ratio Lower Upper

164 100

166 127.8 104.6 157.0

129 92.0 75.3 112.9

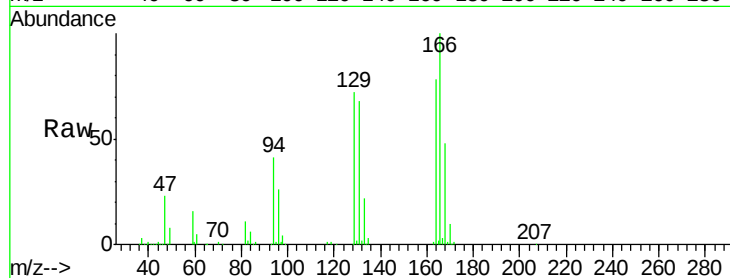
131 86.8 74.3 111.5

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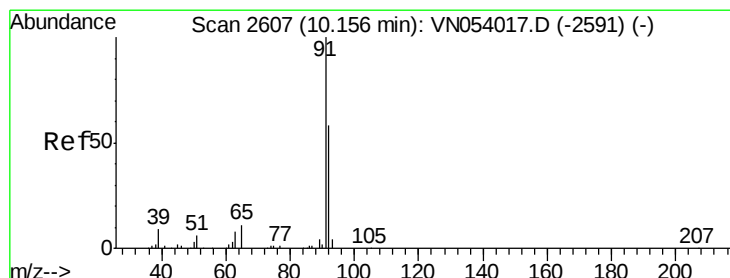
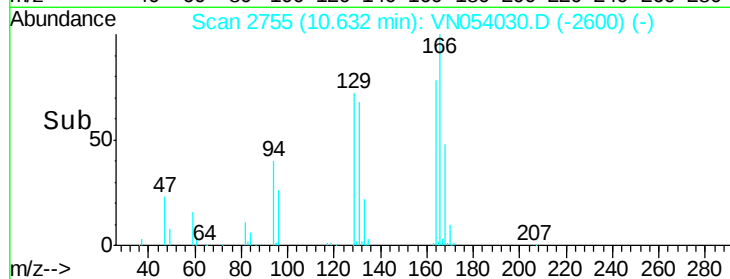
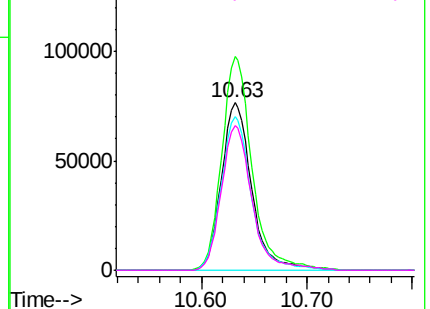


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.313 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054030.D

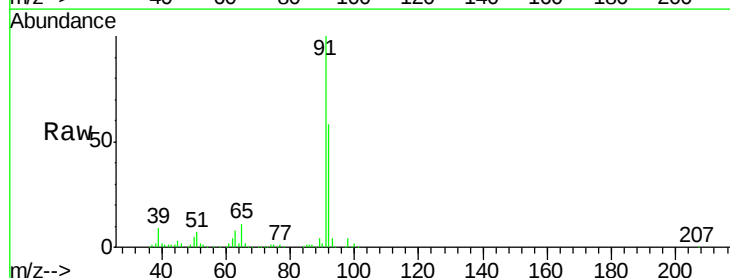
Acq: 1 Mar 2019 15:26

Tgt Ion: 91 Resp: 611841

Ion Ratio Lower Upper

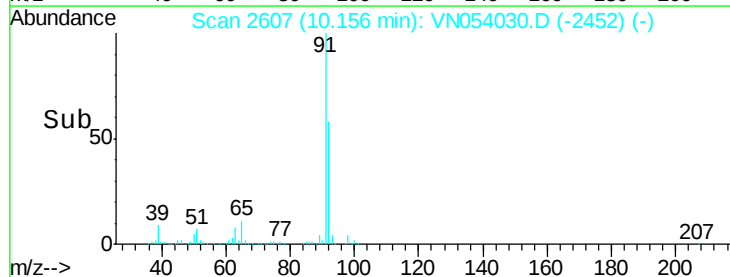
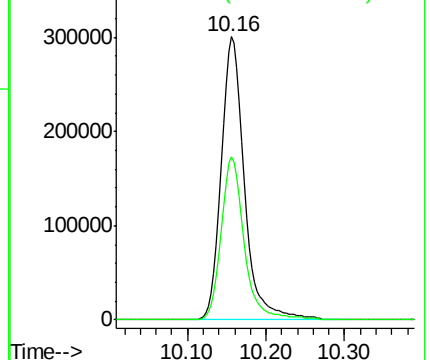
91 100

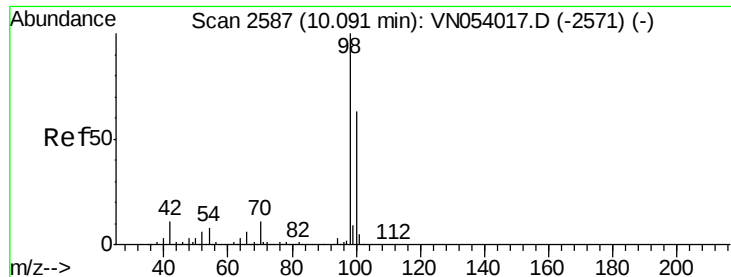
92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 20.313 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 785207

Ion Ratio Lower Upper

98 100

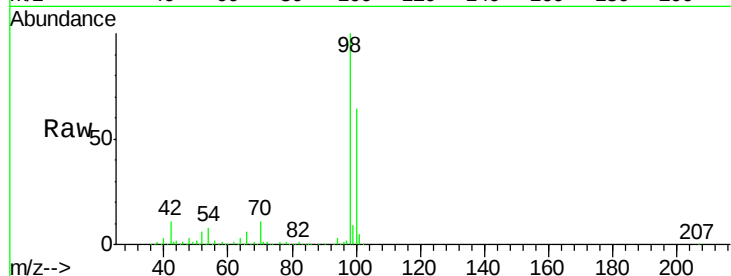
100 63.8 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN054017.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN054017.D (-2571) (-)

10.09

400000

300000

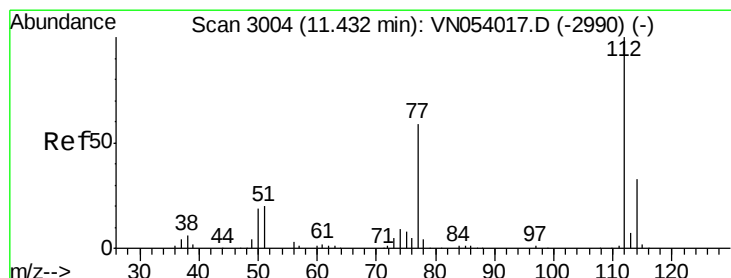
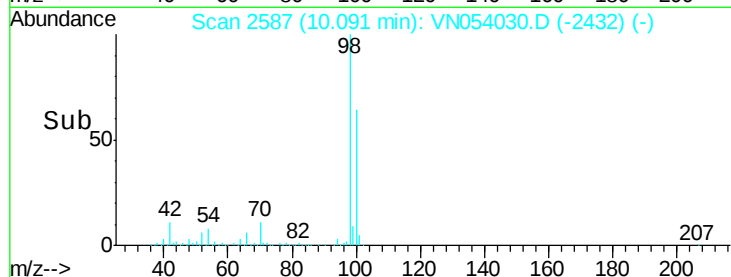
200000

100000

0

10.00 10.10 10.20 10.30

Time-->



#64

Chlorobenzene

Concen: 19.969 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054030.D

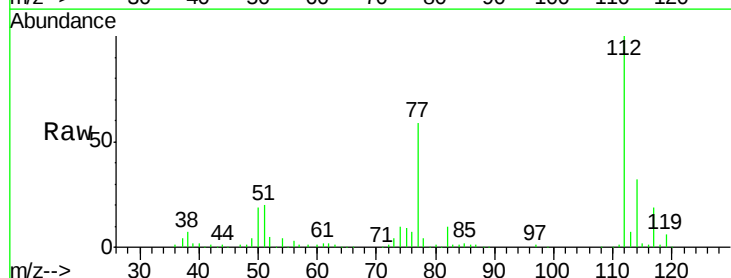
Acq: 1 Mar 2019 15:26

Tgt Ion: 112 Resp: 366253

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN054017.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN054017.D (-2990) (-)

11.44

200000

150000

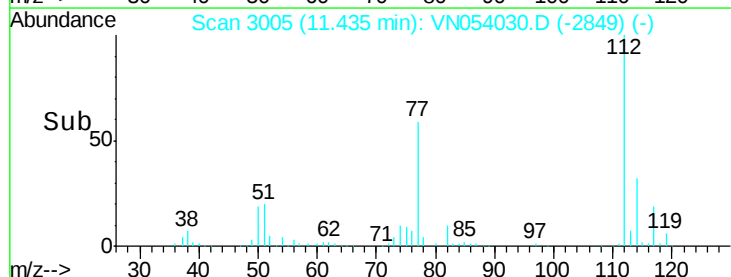
100000

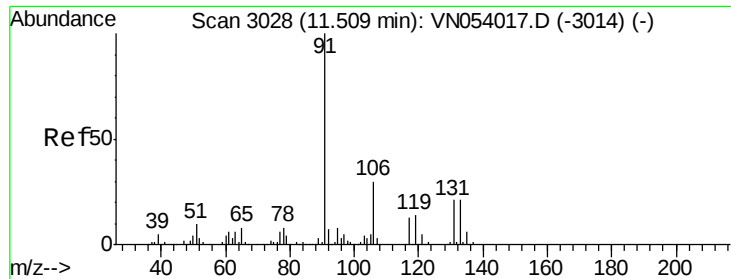
50000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.958 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

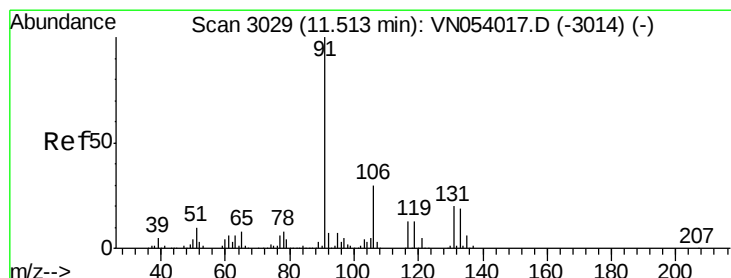
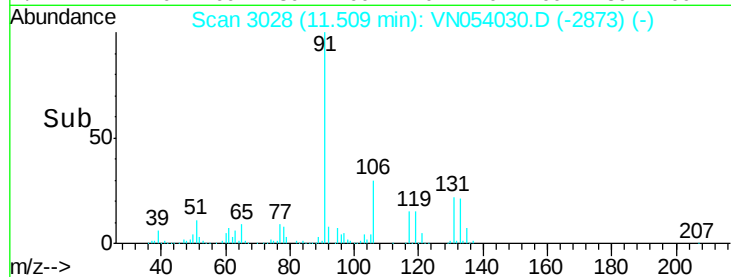
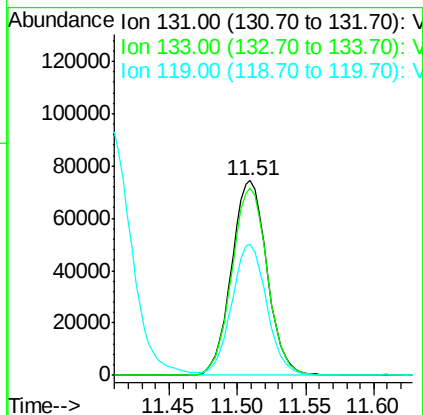
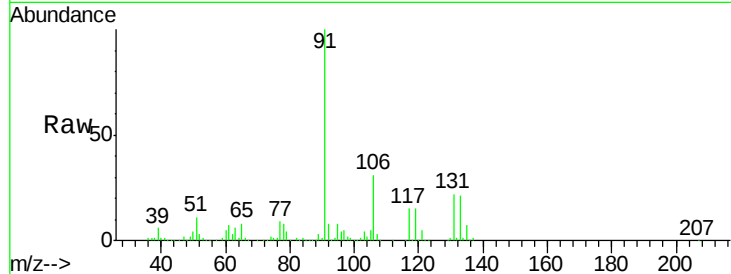
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	134410
Ion Ratio	Lower	Upper	
131	100		
133	96.7	0.0	193.4
119	66.3	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.937 ug/l

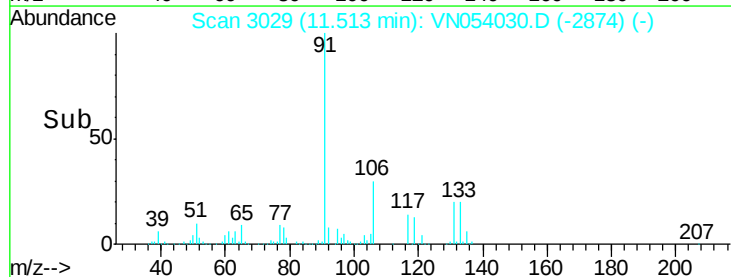
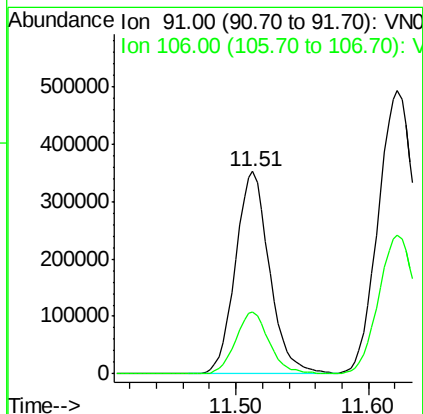
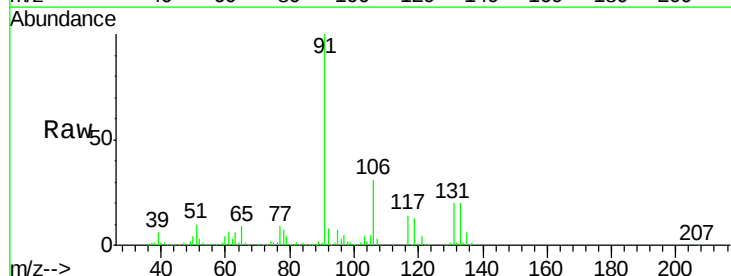
RT: 11.51 min Scan# 3029

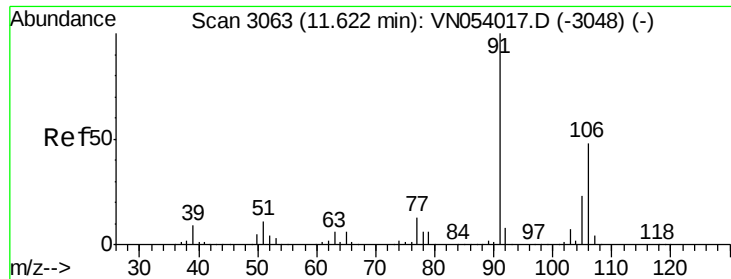
Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Tgt Ion:	91	Resp:	627706
Ion Ratio	Lower	Upper	
91	100		
106	30.6	24.3	36.5





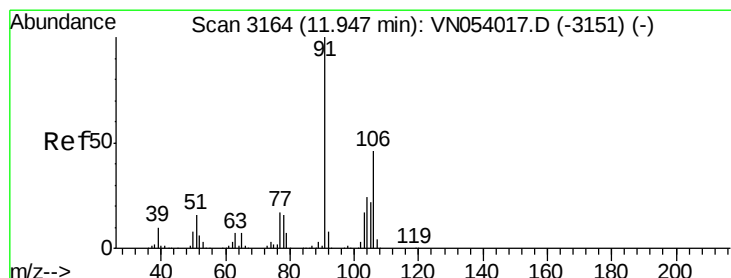
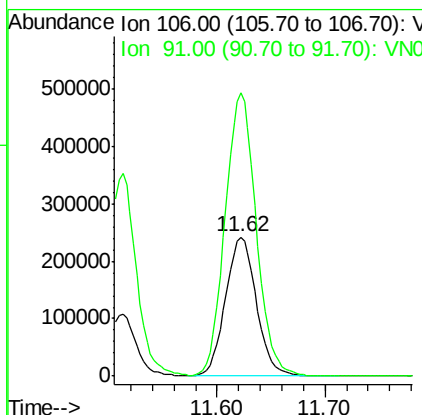
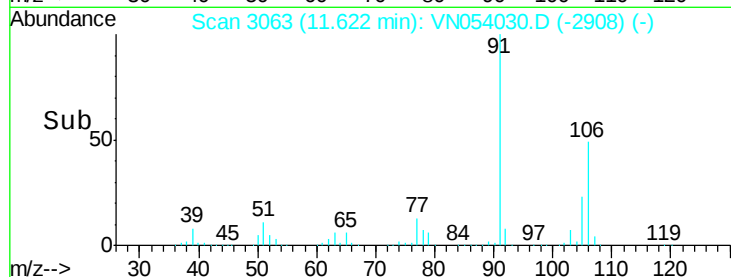
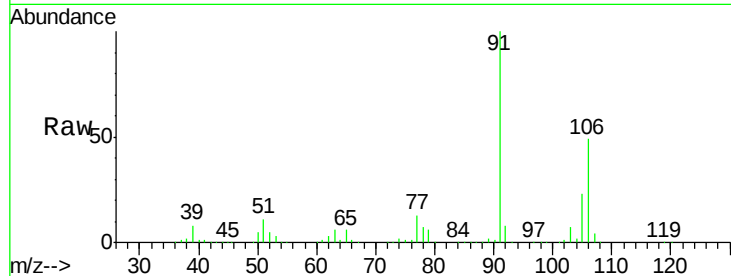
#67
m/p-Xvlenes
Concen: 40.865 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 484417
Ion Ratio Lower Upper
106 100
91 204.0 163.9 245.9

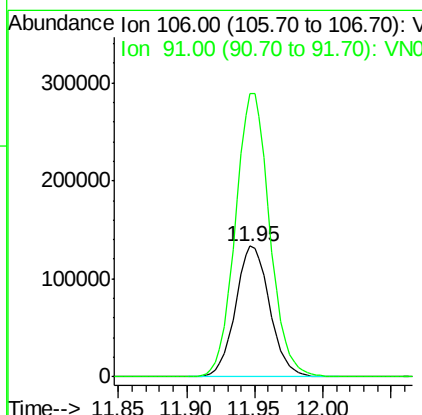
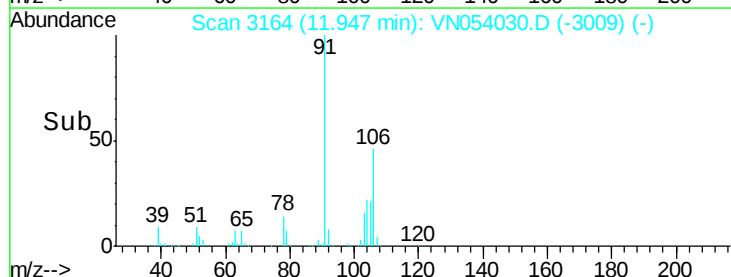
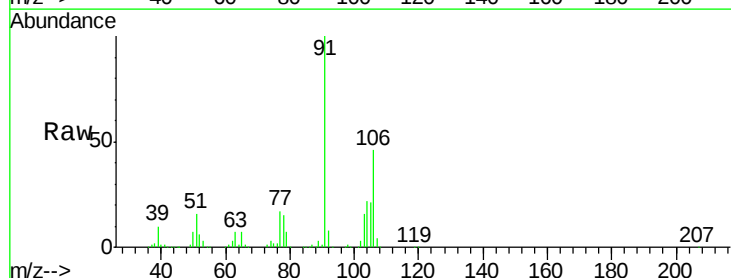
Manual Integrations
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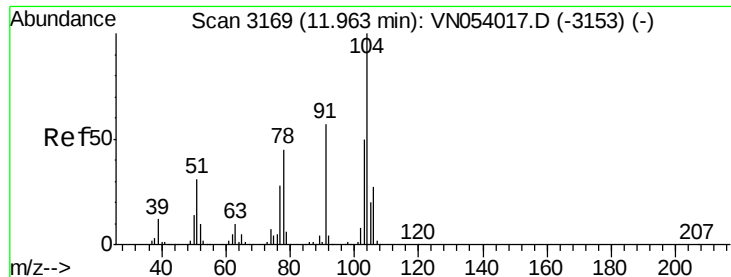
MMDadoda
3/6/2019 10:24:00 AM



#68
o-Xylene
Concen: 20.236 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion:106 Resp: 232535
Ion Ratio Lower Upper
106 100
91 216.6 107.8 323.4





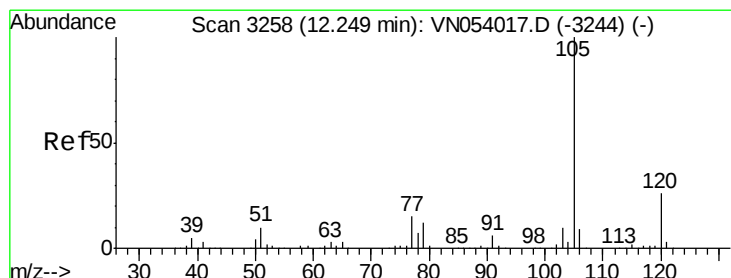
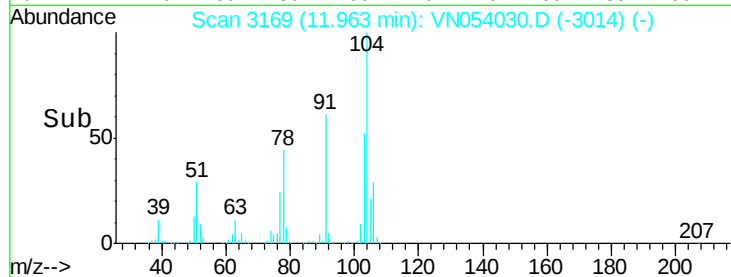
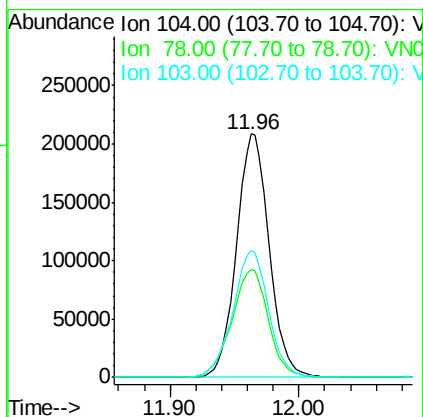
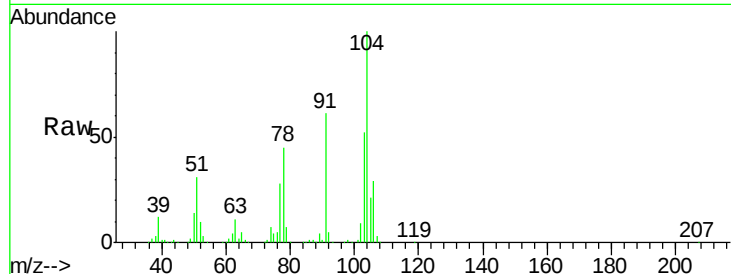
#69
Stvrene
Concen: 20.205 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.3	58.9
103	56.7	44.6	66.8

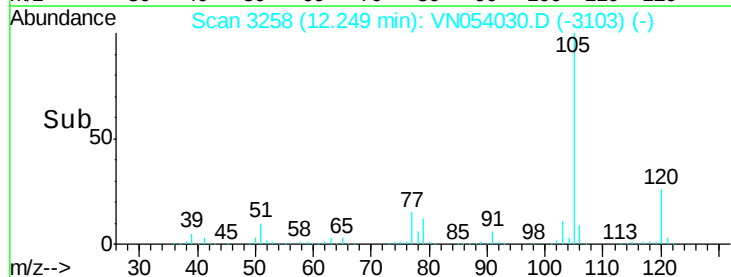
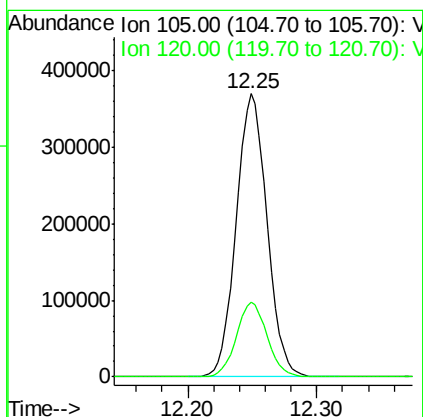
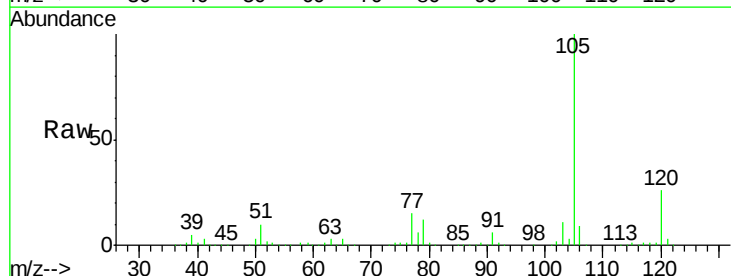
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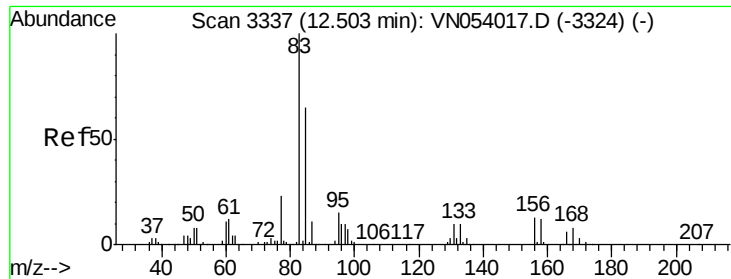
MMDadoda
3/6/2019 10:24:00 AM



#70
Isopropylbenzene
Concen: 20.329 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.6	34.6





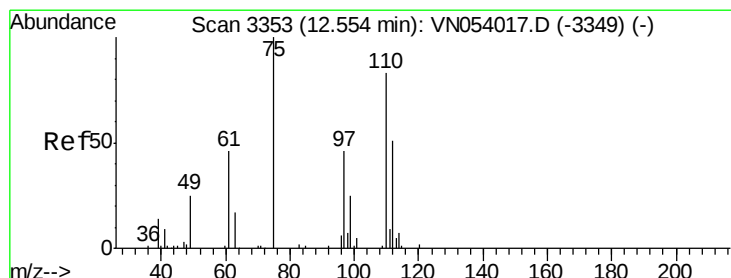
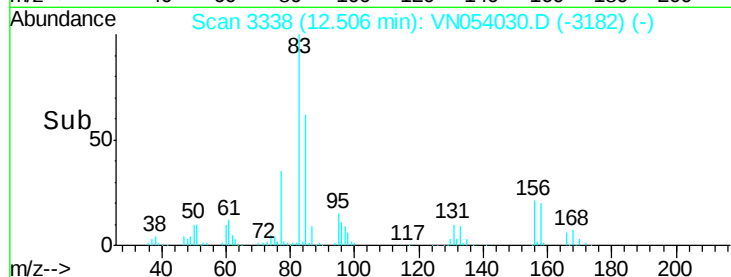
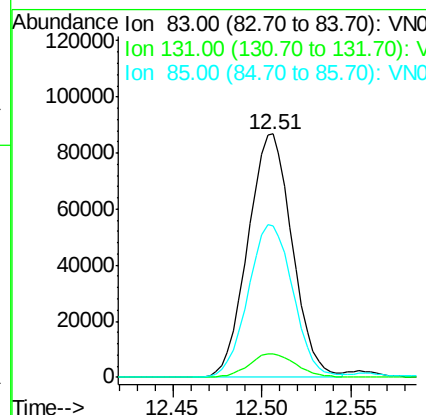
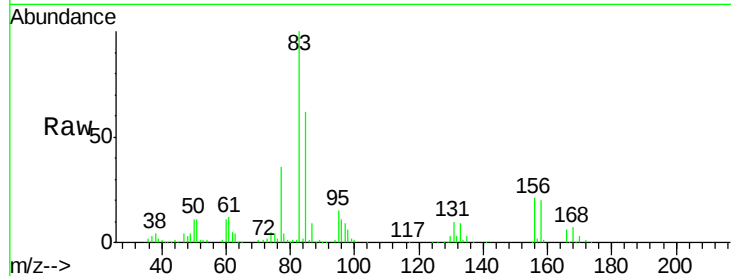
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.325 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	151299		
131	10.4	4.9	14.6	
85	63.4	32.2	96.6	

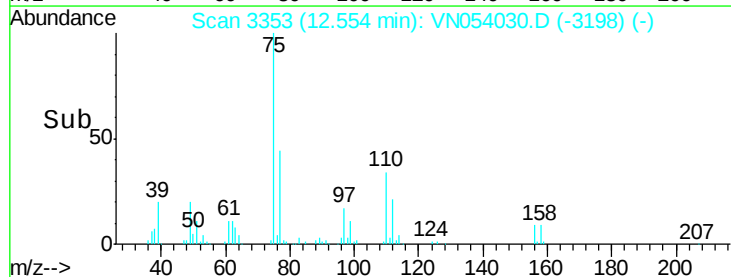
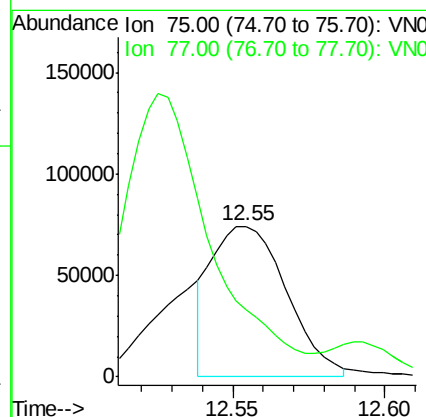
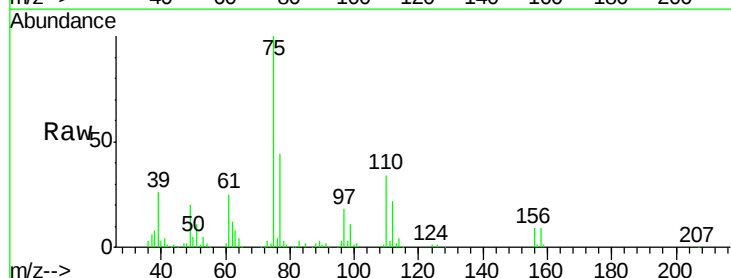
Manual Integrations
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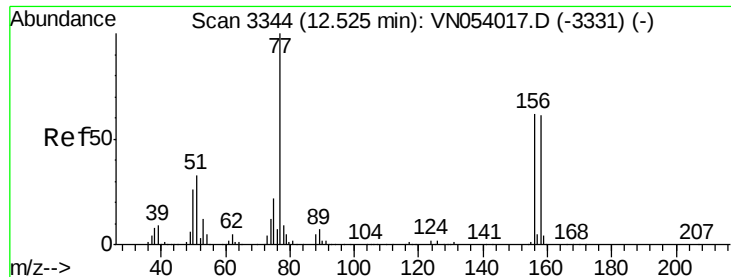
MMDadoda
 3/6/2019 10:24:00 AM



#72
 1,2,3-Trichloropropane
 Concen: 22.583 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127642		
77	226.4	0.0	514.8	





#73

Bromobenzene

Concen: 19.716 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

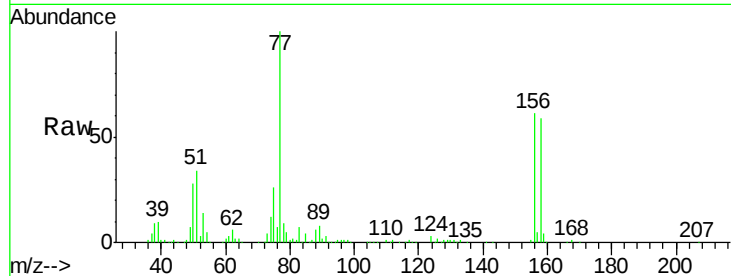
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	149920
Ion Ratio	Lower	Upper	
156	100		
77	192.7	0.0	382.6
158	97.3	0.0	196.8

Manual Integrations
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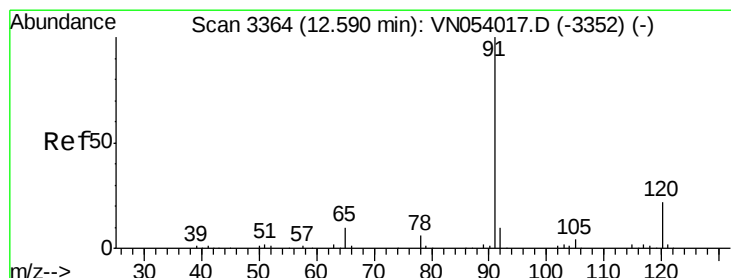
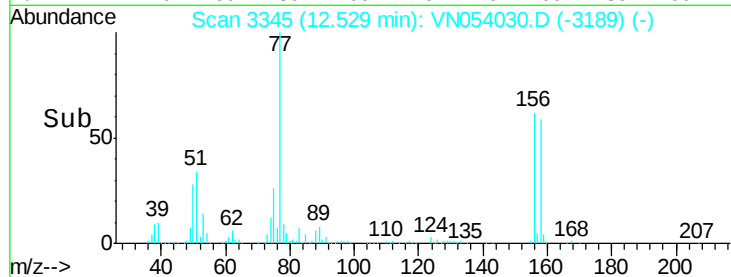
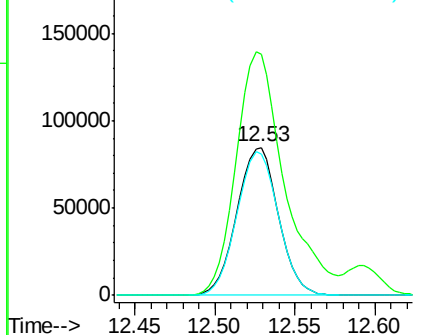
MMDadoda
3/6/2019 10:24:00 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.025 ug/l

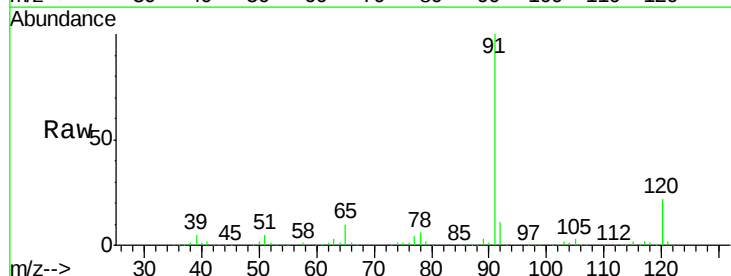
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054030.D

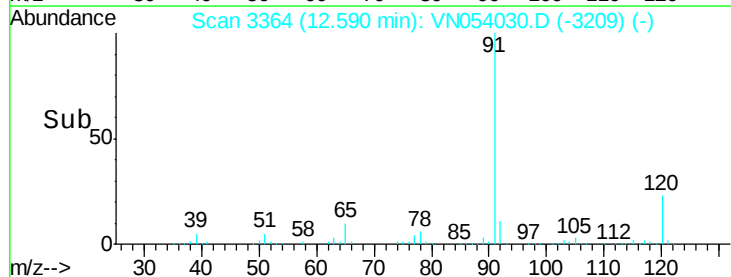
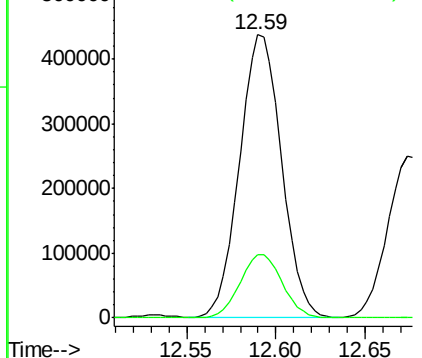
Acq: 1 Mar 2019 15:26

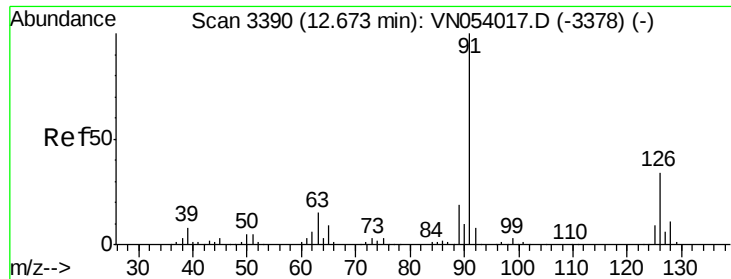
Tgt Ion:	91	Resp:	719170
Ion Ratio	Lower	Upper	
91	100		
120	22.4	0.0	44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.513 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 431404

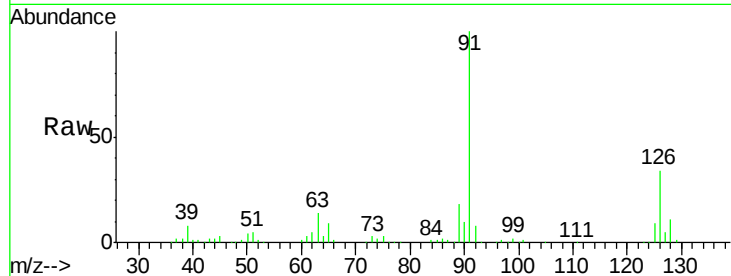
Ion Ratio Lower Upper

91 100

126 33.6 0.0 68.4

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Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054017.D (-3378) (-)

400000

300000

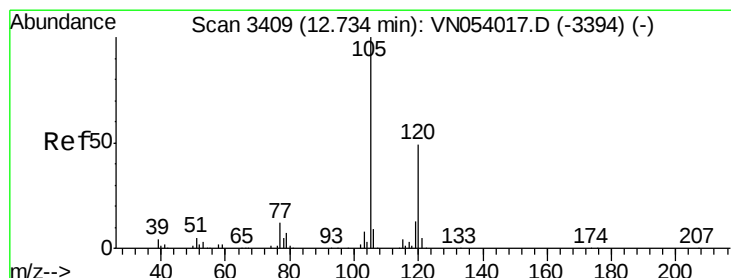
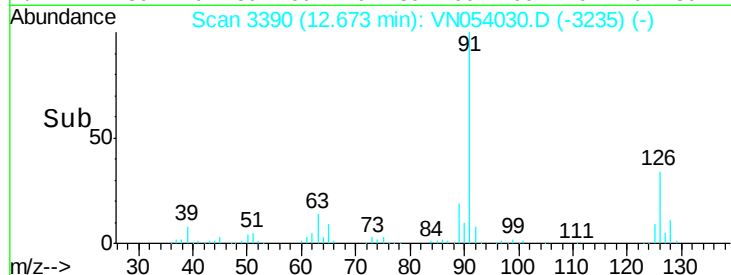
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.231 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN054030.D

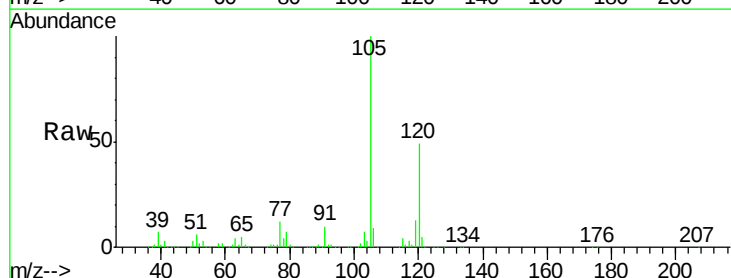
Acq: 1 Mar 2019 15:26

Tgt Ion: 105 Resp: 516837

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN054017.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054017.D (-3394) (-)

300000

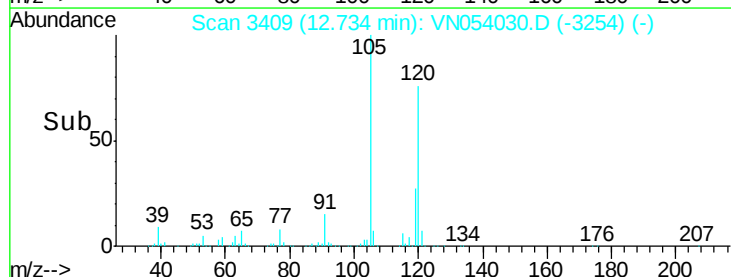
200000

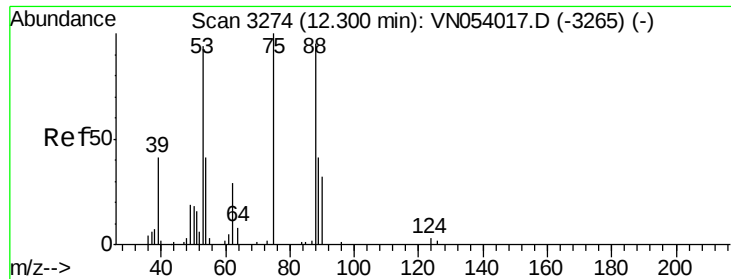
100000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.334 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 36876

Ion Ratio Lower Upper

75 100

53 97.3 48.5 145.6

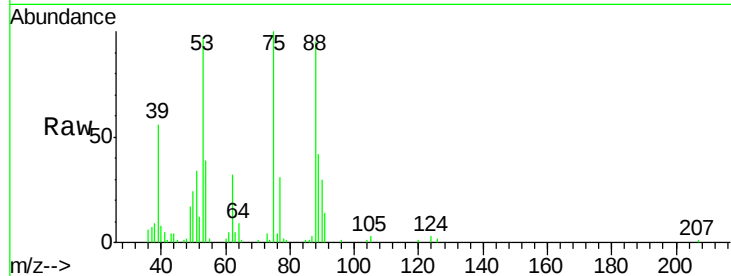
89 42.1 21.7 65.1

Manual Integrations

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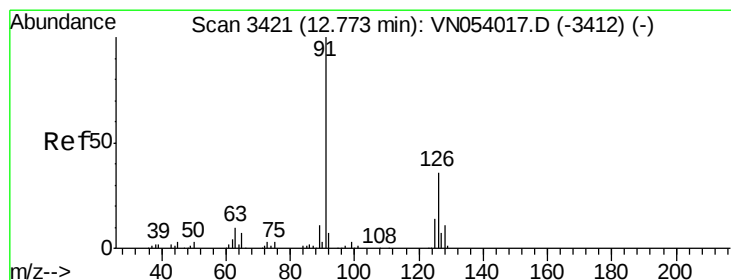
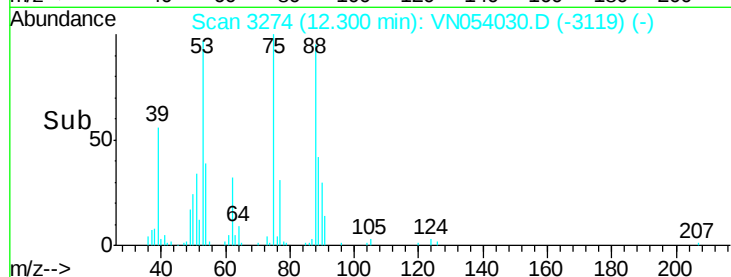
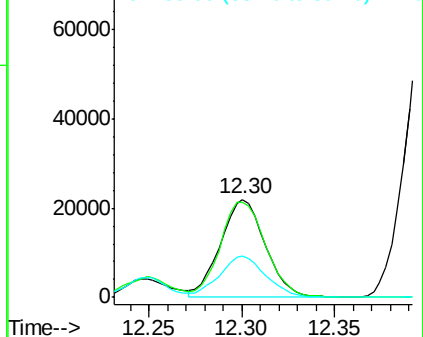
3/6/2019 10:24:00 AM



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.329 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054030.D

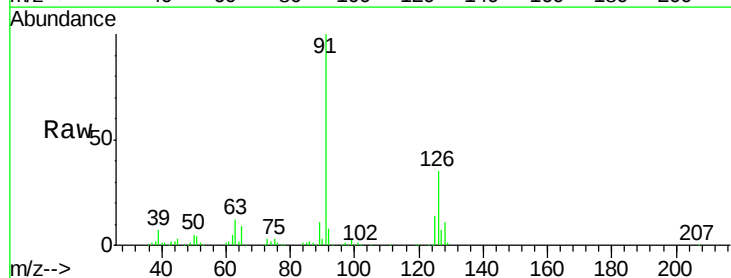
Acq: 1 Mar 2019 15:26

Tgt Ion: 91 Resp: 427800

Ion Ratio Lower Upper

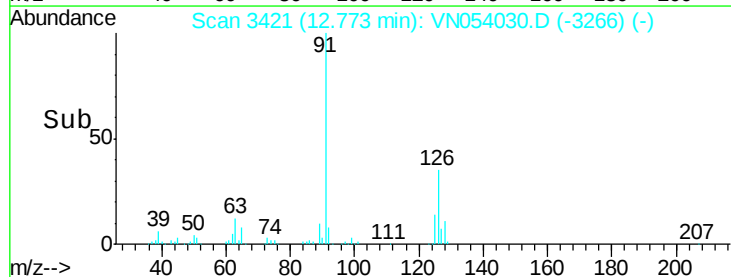
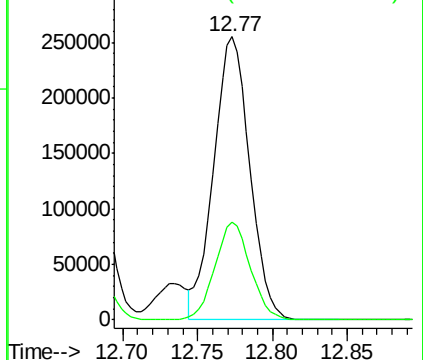
91 100

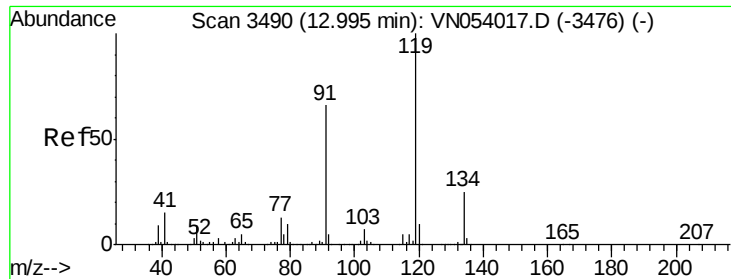
126 33.9 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.873 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

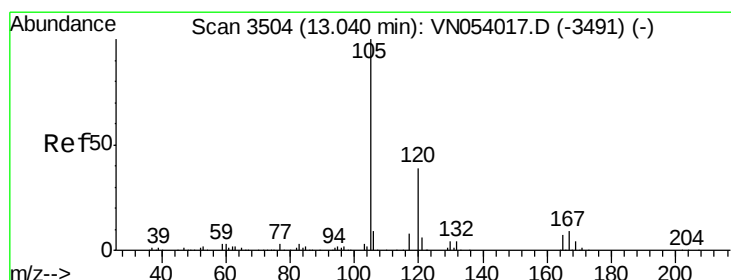
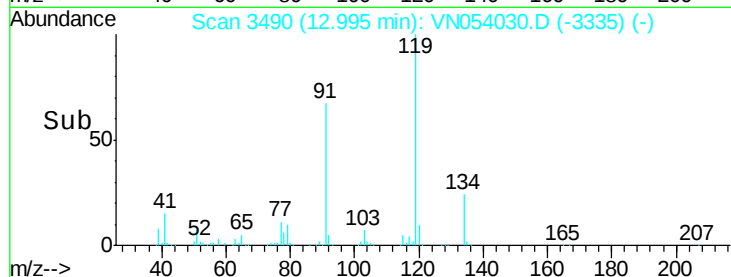
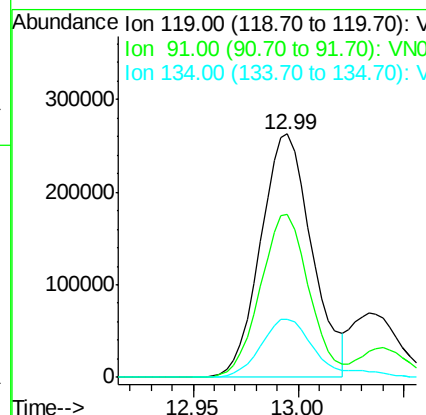
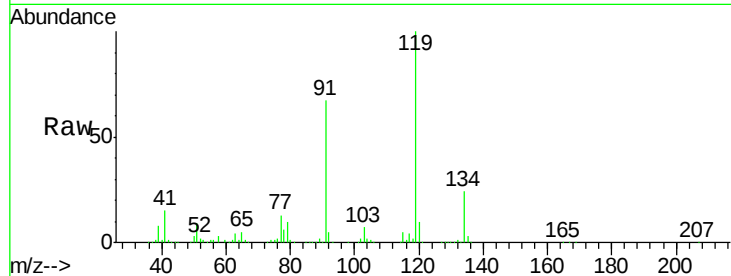
ClientSampled :

VSTDCCC020EC

Tot Ion:	119	Resp:	444886
Ion Ratio	Lower	Upper	
119	100		
91	63.6	0.0	129.8
134	25.7	0.0	52.2

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 20.442 ug/l

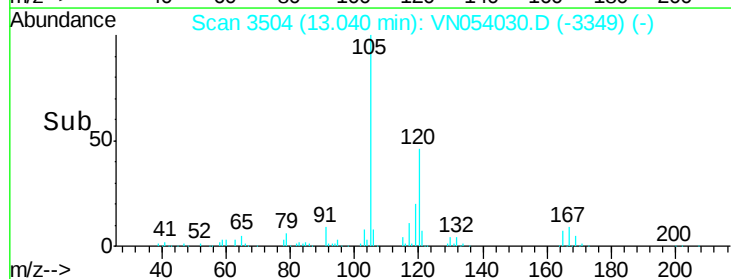
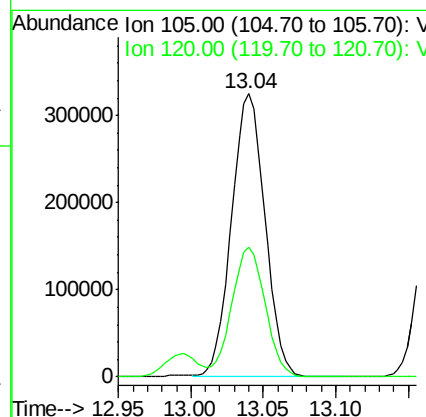
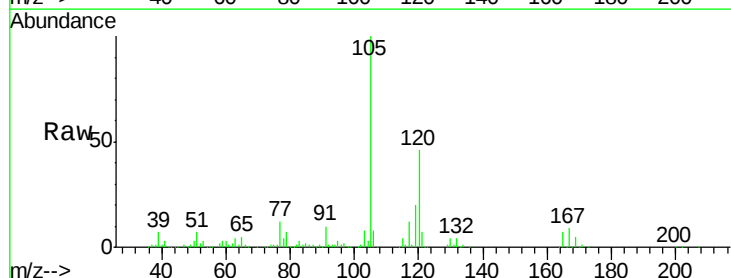
RT: 13.04 min Scan# 3504

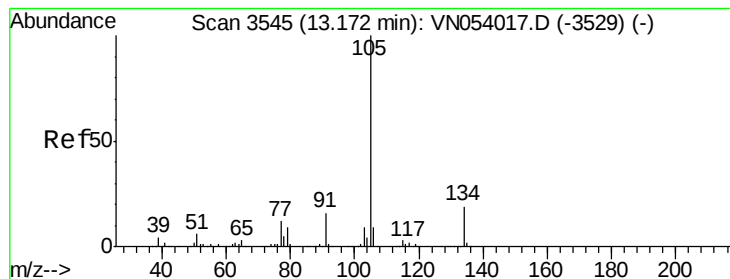
Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Tgt Ion:	105	Resp:	519755
Ion Ratio	Lower	Upper	
105	100		
120	45.9	0.0	91.0





#81

sec-Butylbenzene

Concen: 19.845 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 609283

Ion Ratio Lower Upper

105 100

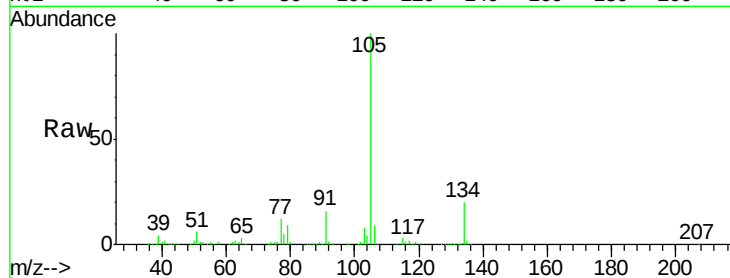
134 19.5 0.0 40.4

Manual Integrations

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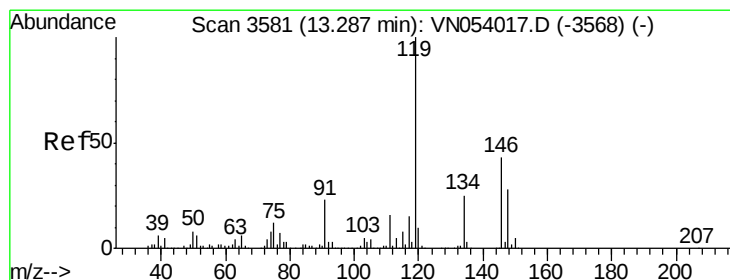
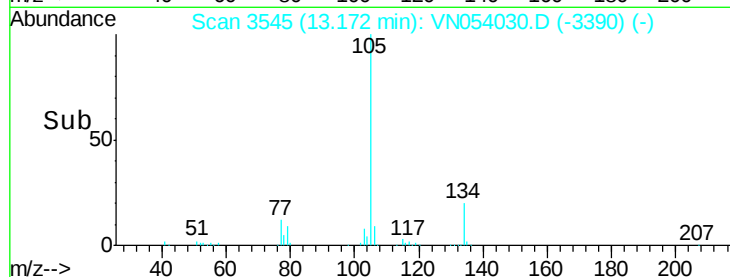
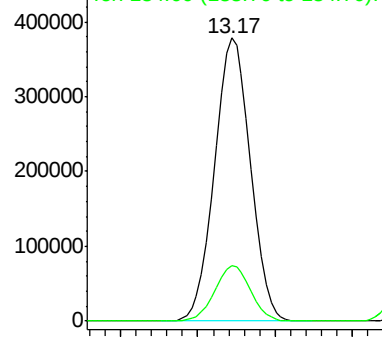
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3/6/2019 10:24:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.784 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

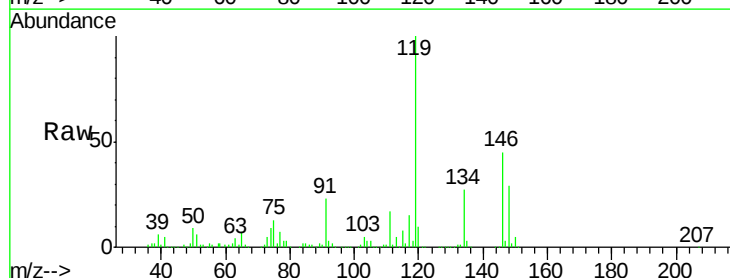
Tgt Ion:119 Resp: 518664

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.6

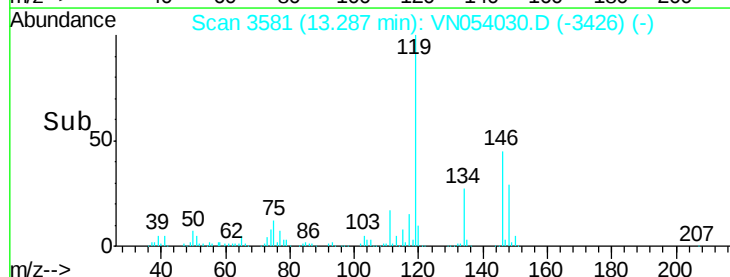
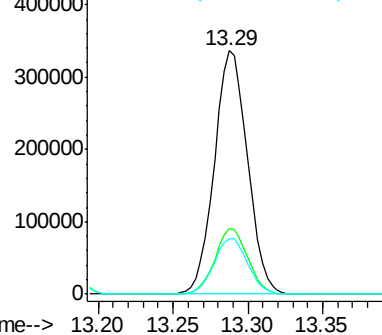
91 23.3 0.0 46.2

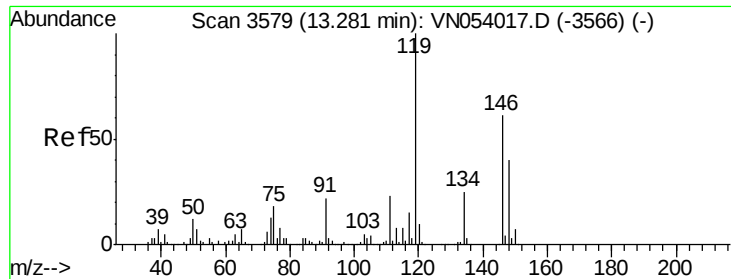


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





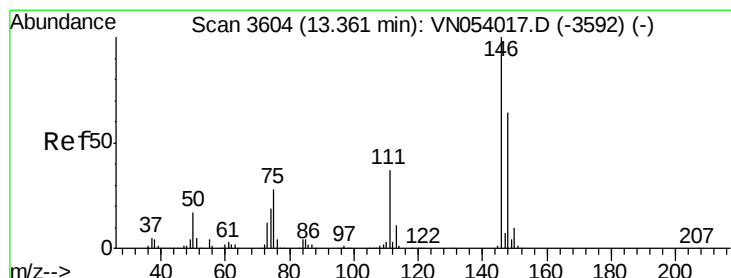
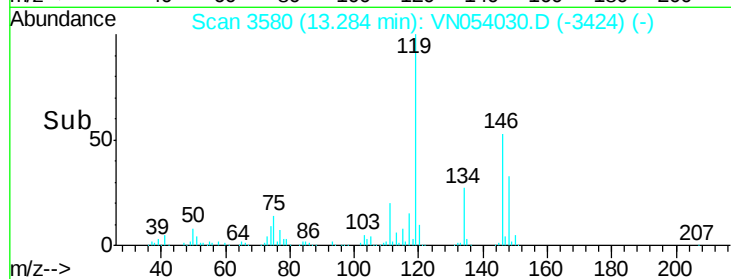
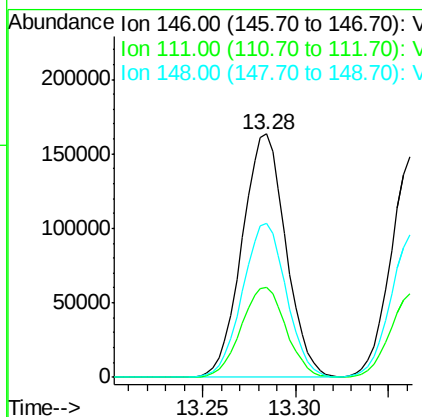
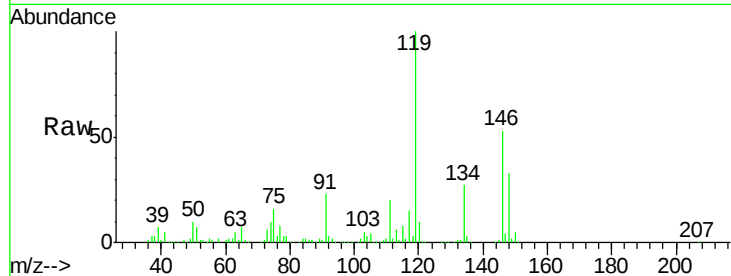
#83
 1,3-Dichlorobenzene
 Concen: 20.052 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.7	59.0
148	63.4	32.3	96.8

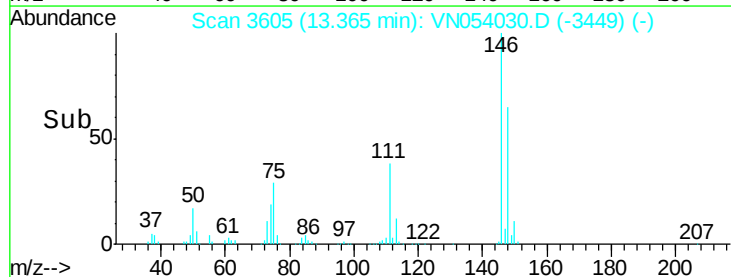
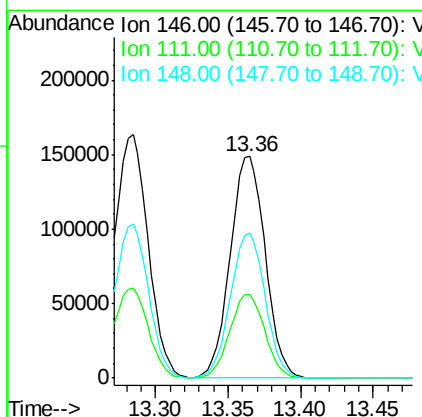
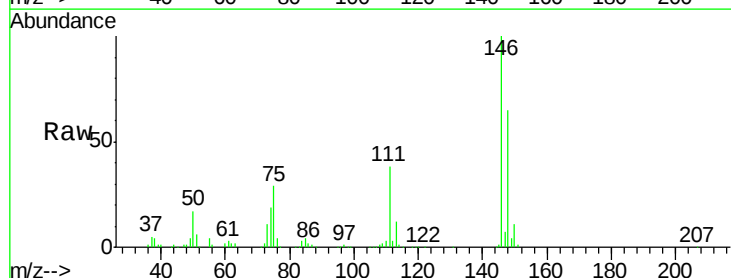
Manual Integrations
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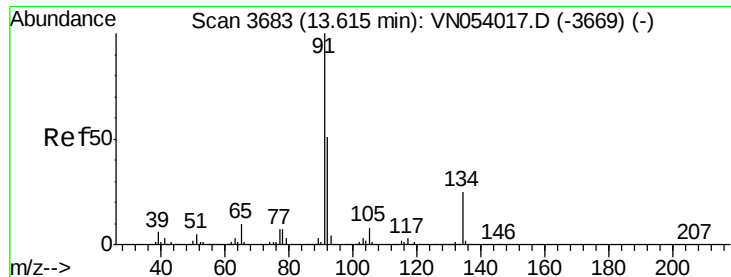
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#84
 1,4-Dichlorobenzene
 Concen: 19.479 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	64.6	32.5	97.4





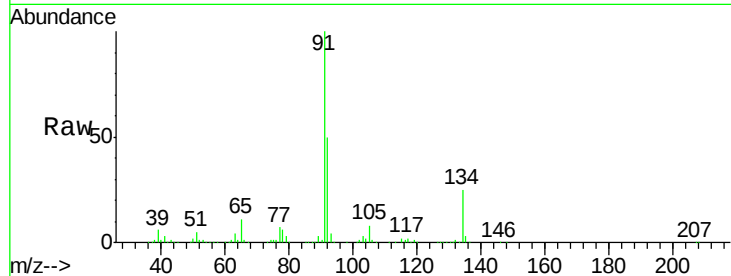
#85
n-Butylbenzene
Concen: 19.054 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

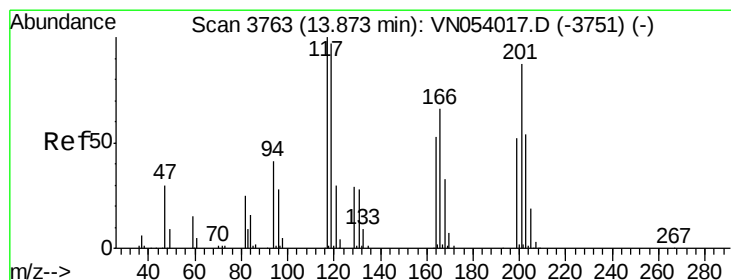
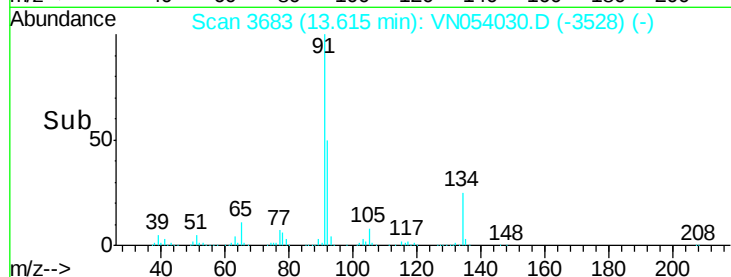
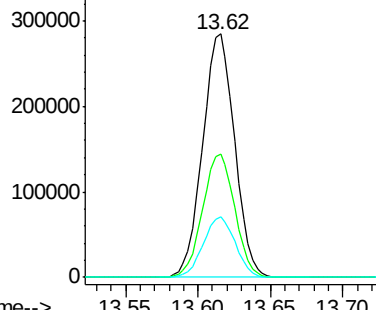
Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.7	0.0	104.2	
134	24.8	0.0	50.6	

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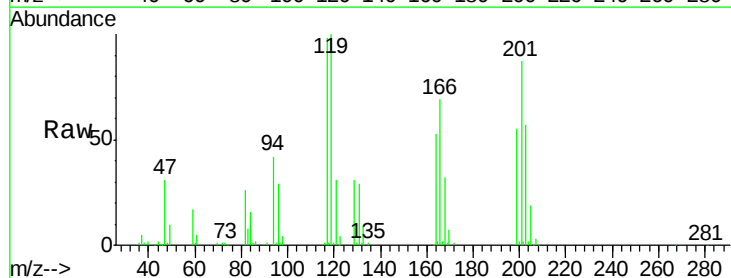


Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN054017.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN054017.D (-3669) (-)

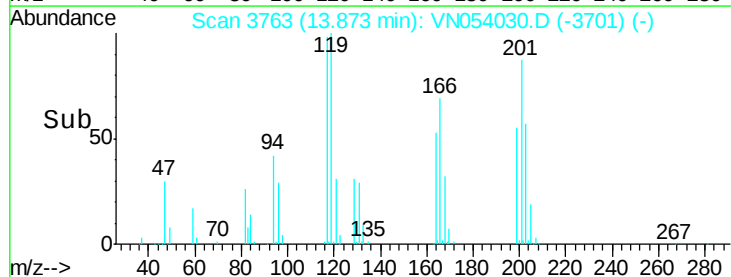
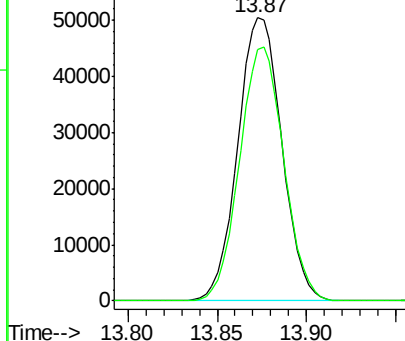


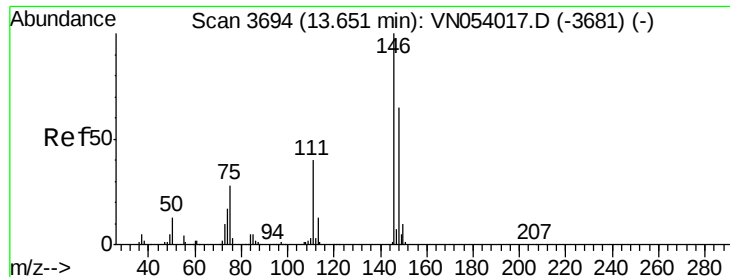
#86
Hexachloroethane
Concen: 17.781 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054030.D
Acq: 1 Mar 2019 15:26

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



Abundance Ion 117.00 (116.70 to 117.70): VN054017.D (-3751) (-)
Ion 201.00 (200.70 to 201.70): VN054017.D (-3751) (-)





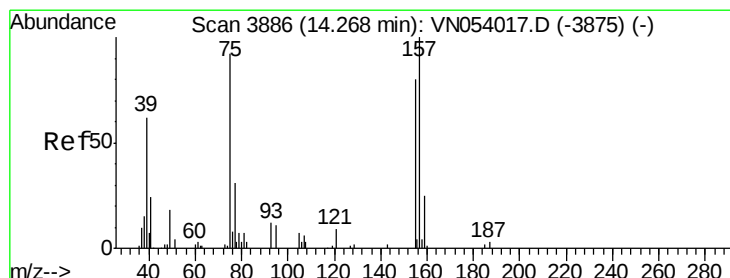
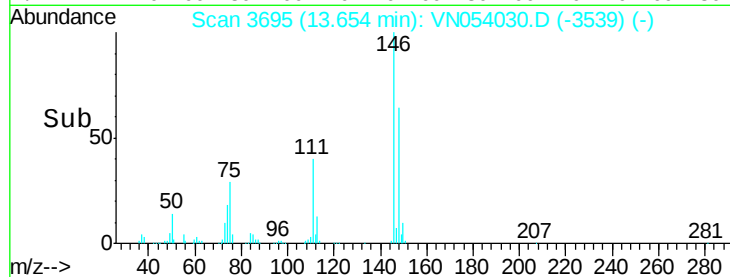
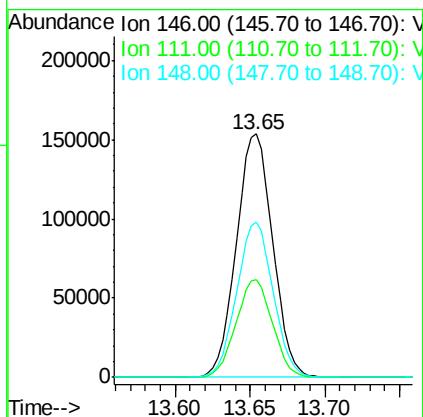
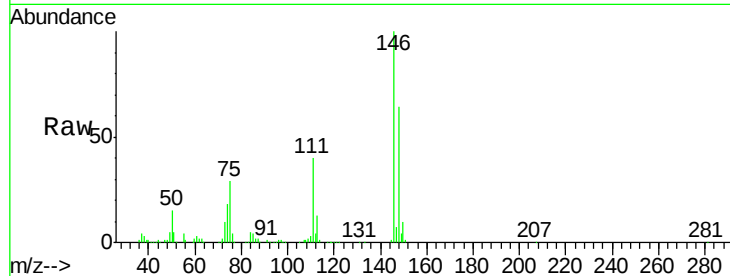
#87
 1,2-Dichlorobenzene
 Concen: 20.045 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.7	32.1	96.5

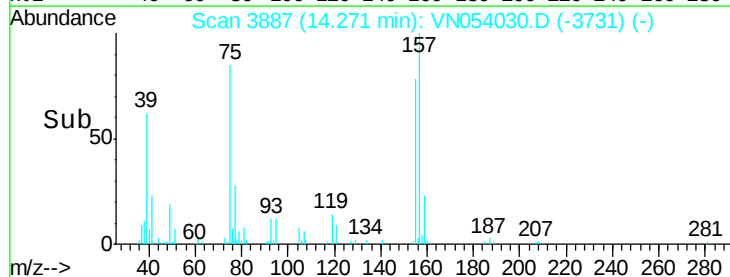
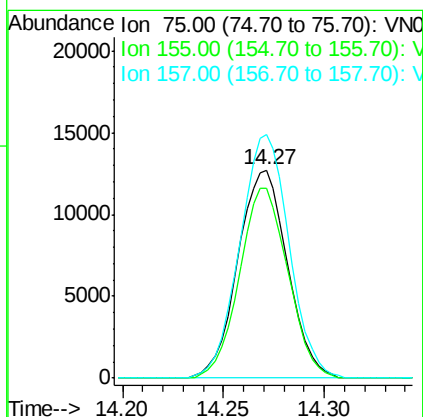
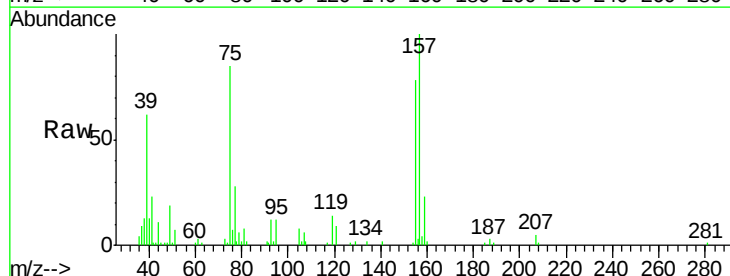
Manual Integrations
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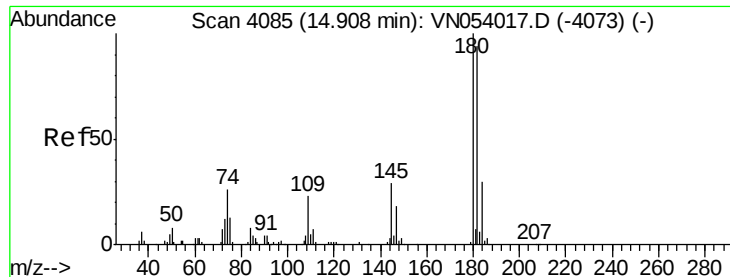
MMDadoda
 3/6/2019 10:24:00 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.364 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	72.2	108.2
157	116.2	94.2	141.2





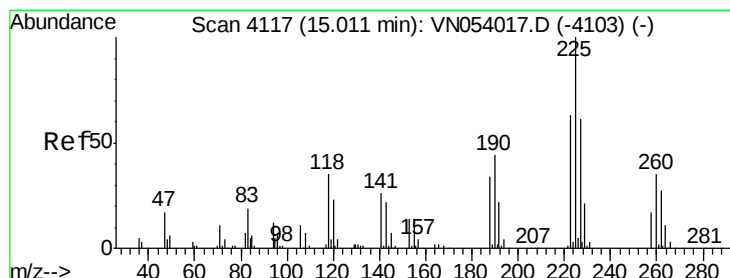
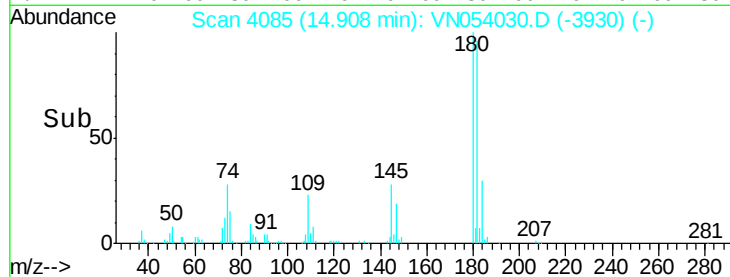
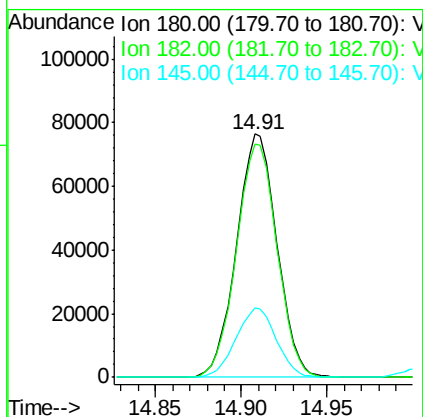
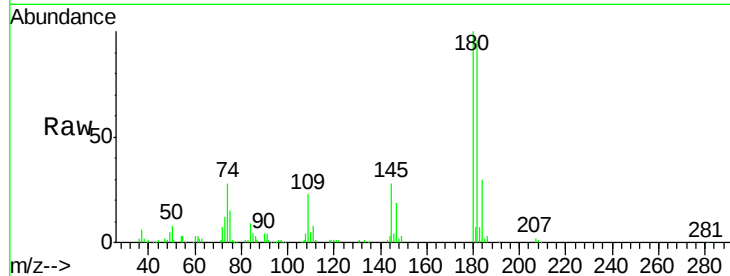
#89
 1,2,4-Trichlorobenzene
 Concen: 18.907 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.6	114.8
145	28.5	23.6	35.4

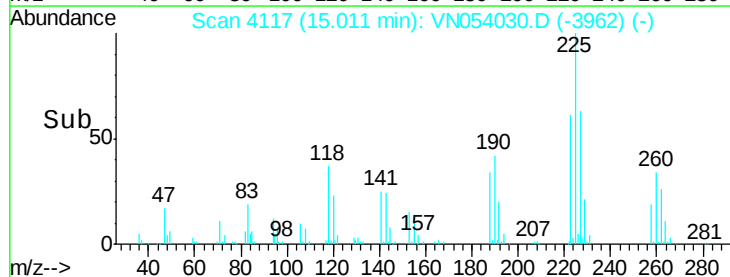
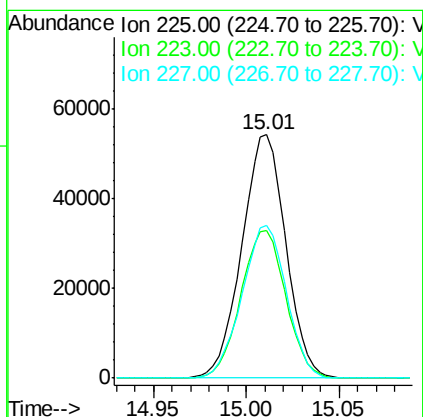
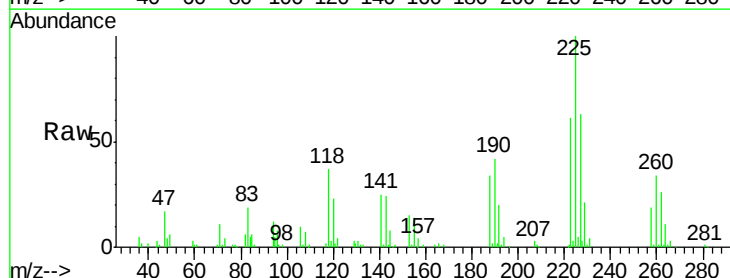
Manual Integrations
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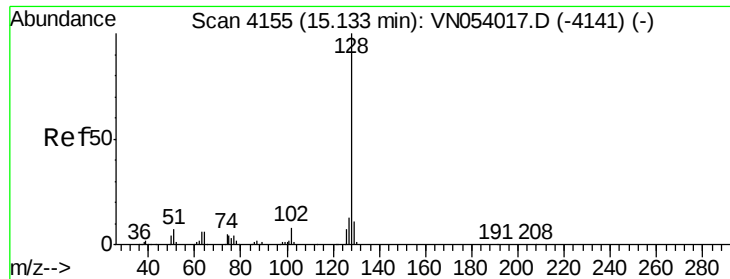
MMDadoda
 3/6/2019 10:24:00 AM



#90
 Hexachlorobutadiene
 Concen: 18.646 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054030.D
 Acq: 1 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	125.6
227	63.4	0.0	127.8





#91

Naphthalene

Concen: 20.880 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Instrument :

MSVOA_N

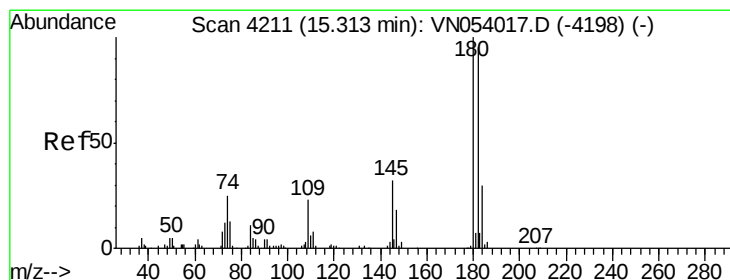
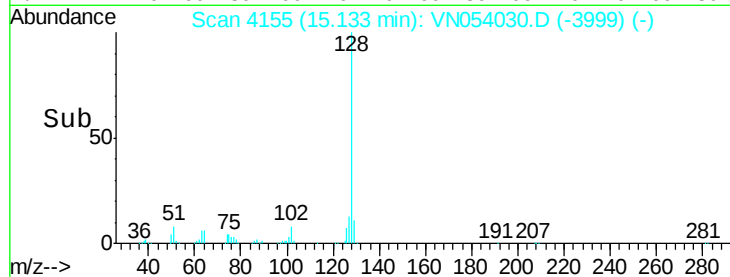
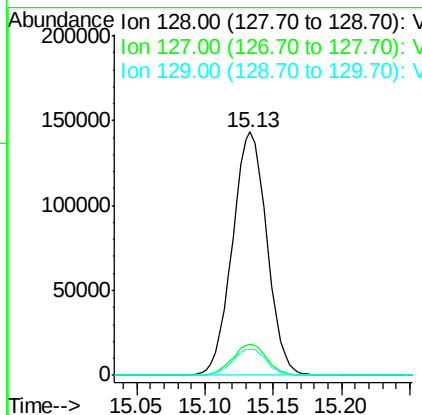
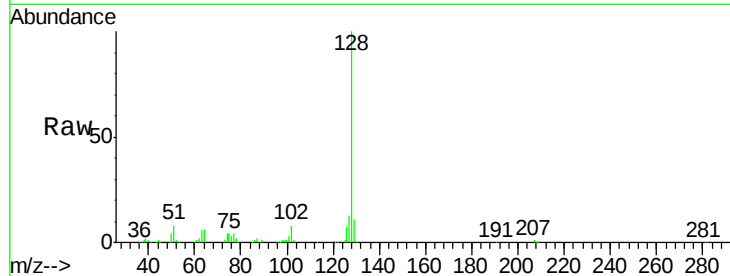
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	250823
Ion Ratio	Lower	Upper	
128	100		
127	12.8	9.9	14.9
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:24:00 AM



#92

1,2,3-Trichlorobenzene

Concen: 19.490 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054030.D

Acq: 1 Mar 2019 15:26

Tgt Ion:	180	Resp:	127186
Ion Ratio	Lower	Upper	
180	100		
182	95.4	0.0	196.2
145	29.5	0.0	62.2

