

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057542.D
 Acq On : 27 Aug 2019 9:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

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 8/28/2019 4:26:34 PM

Quant Time: Aug 27 10:06:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67695	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	395858	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	338005	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	196826	30.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.53%
60) 4-Bromofluorobenzene	12.40	95	158585	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.08	98	513664	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	71387	20.158	ug/l 96
3) Chloromethane	2.05	50	106002	19.932	ug/l 96
4) Vinyl Chloride	2.17	62	137176	20.304	ug/l 100
5) Bromomethane	2.55	94	87623	20.048	ug/l 98
6) Chloroethane	2.69	64	90476	19.993	ug/l 93
7) Trichlorofluoromethane	3.00	101	210339	19.574	ug/l 94
8) Diethyl Ether	3.39	74	79997	19.378	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	121226	20.030	ug/l 97
10) 1,1-Dichloroethene	3.71	96	113552	19.434	ug/l 96
11) Methyl Iodide	3.92	142	89217	16.986	ug/l 98
12) Methyl Acetate	4.30	43	106308	18.061	ug/l 92
13) Acrolein	3.58	56	68360	91.319	ug/l 98
14) Acrylonitrile	4.96	53	197647	96.656	ug/l 98
15) Acetone	3.80	58	112950	118.077	ug/l 90
16) Carbon Disulfide	4.02	76	197989	19.023	ug/l 98
17) Allyl chloride	4.29	41	150506	18.881	ug/l 95
18) Methylene Chloride	4.52	84	86648	20.221	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	82481m	20.440	ug/l
20) Diisopropyl ether	5.93	45	335506	19.715	ug/l 98
21) 1,1-Dichloroethane	5.82	63	179341	20.280	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	100998	20.578	ug/l 99
23) tert-Butyl Alcohol	4.78	59	66808	89.942	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	269937	19.996	ug/l # 50
25) Chloroform	7.36	83	178189	20.296	ug/l 98
26) Cyclohexane	7.63	56	155695	19.772	ug/l # 96
29) 1,1-Dichloropropene	7.77	75	130638	19.418	ug/l 98
30) 2-Butanone	6.82	43	318676	98.522	ug/l 98
31) 2,2-Dichloropropane	6.80	77	153323	19.946	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	149574	19.448	ug/l 97
33) Carbon Tetrachloride	7.75	117	120452	18.861	ug/l 95
34) Benzene	8.03	78	388817	19.653	ug/l 99
35) Methacrylonitrile	7.16	41	52439	16.019	ug/l 98
36) 1,2-Dichloroethane	8.11	62	153168	19.750	ug/l # 89
37) Trichloroethene	8.82	130	90034	19.947	ug/l 99
38) Methylcyclohexane	9.07	83	147258	19.501	ug/l 98
39) 1,2-Dichloropropane	9.11	63	108683	19.320	ug/l 100
40) Dibromomethane	9.20	93	68013	19.783	ug/l 95

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

41) Bromodichloromethane	9.39	83	131420	18.024	ug/l	96
42) Vinyl Acetate	5.87	43	1324921	91.531	ug/l	100
43) Ethyl Acetate	6.92	43	122330	19.429	ug/l	98
44) Isopropyl Acetate	8.15	43	213761	17.785	ug/l #	92
45) 1,4-Dioxane	9.20	88	25331	350.636	ug/l	97
46) Methyl methacrylate	9.19	41	102506	17.959	ug/l	95
47) n-amyl Acetate	12.07	43	168867	17.457	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	138354	17.961	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	150730	17.804	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	90398	20.052	ug/l	99
51) Ethyl methacrylate	10.43	69	134994	18.014	ug/l	97
52) 1,3-Dichloropropane	10.70	76	157433	19.155	ug/l	100
53) Dibromochloromethane	10.90	129	86488	17.996	ug/l	99
54) 1,2-Dibromoethane	11.00	107	88190	19.119	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	186799	101.122	ug/l	100
56) Bromoform	12.12	173	45345	15.809	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	617057	93.058	ug/l	99
59) 2-Hexanone	10.75	43	433430	94.304	ug/l	99
61) Tetrachloroethene	10.63	164	81977	21.148	ug/l	96
62) Toluene	10.15	91	414743	20.077	ug/l	100
64) Chlorobenzene	11.43	112	226264	20.147	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	83702	19.611	ug/l	96
66) Ethyl Benzene	11.51	91	447481	20.240	ug/l	99
67) m/p-Xylenes	11.62	106	305696	39.865	ug/l	98
68) o-Xylene	11.95	106	149060	19.670	ug/l	98
69) Styrene	11.96	104	232195	19.180	ug/l	98
70) Isopropylbenzene	12.25	105	403738	19.916	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	112317	19.158	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	100923m	18.964	ug/l	
73) Bromobenzene	12.53	156	80462	19.609	ug/l	95
74) n-propylbenzene	12.59	91	443577	19.188	ug/l	99
75) 2-Chlorotoluene	12.67	91	269230	19.776	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	334193	20.087	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	29520	15.468	ug/l	97
78) 4-Chlorotoluene	12.77	91	247099	19.209	ug/l	99
79) tert-butylbenzene	12.99	119	281818	19.907	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	310134	19.994	ug/l	99
81) sec-Butylbenzene	13.17	105	369251	19.793	ug/l	99
82) p-Isopropyltoluene	13.29	119	301525	19.225	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	119808	18.756	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	116021	18.670	ug/l	99
85) n-Butylbenzene	13.62	91	262858	19.224	ug/l	96
86) Hexachloroethane	13.88	117	54433	17.201	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	121137	19.310	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15561	15.816	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	32623	13.879	ug/l	95
90) Hexachlorobutadiene	15.01	225	37931	20.988	ug/l	97
91) Naphthalene	15.13	128	102124	18.752	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	35460	15.085	ug/l	95

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QLast Update : Fri Aug 23 23:15:31 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

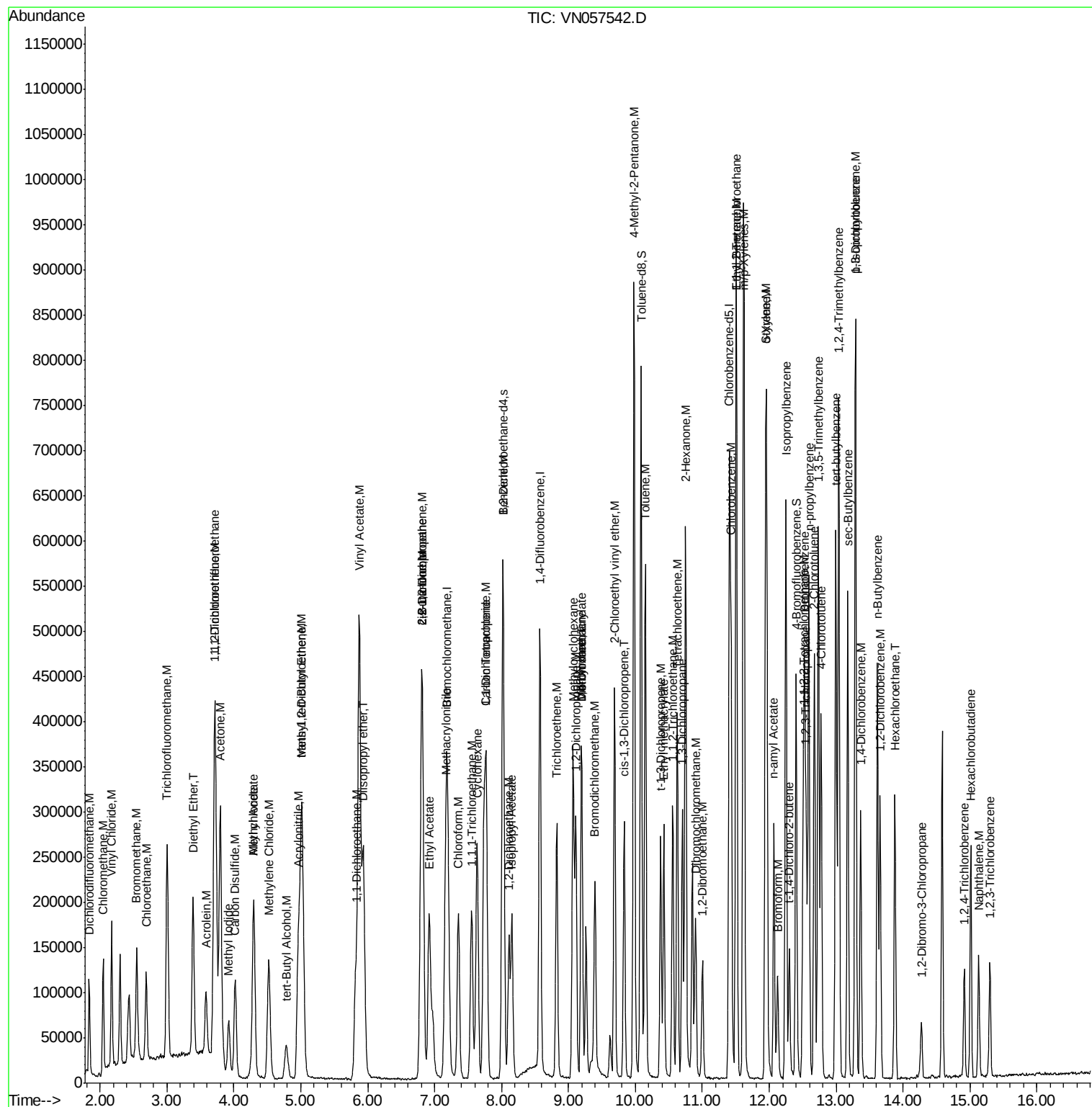
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
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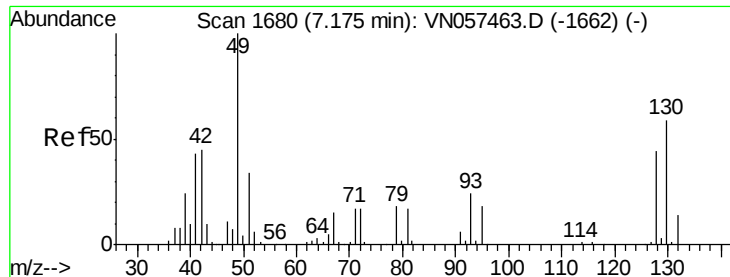
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC020

Manual Integrations
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8/28/2019 4:26:34 PM

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

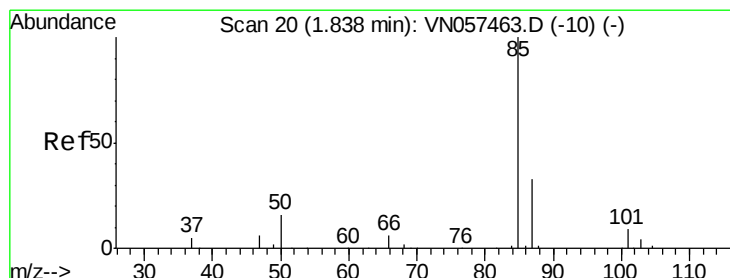
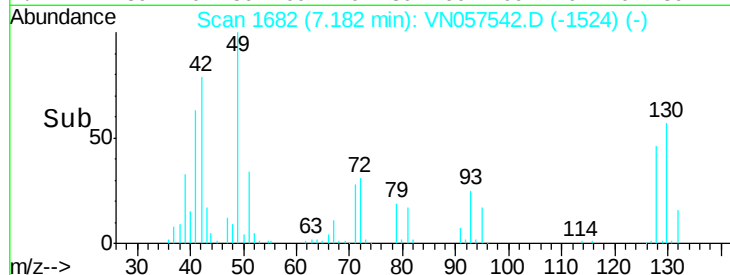
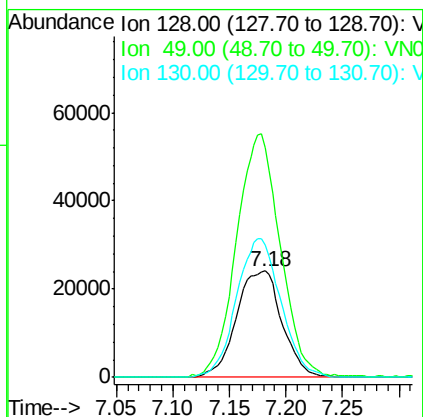
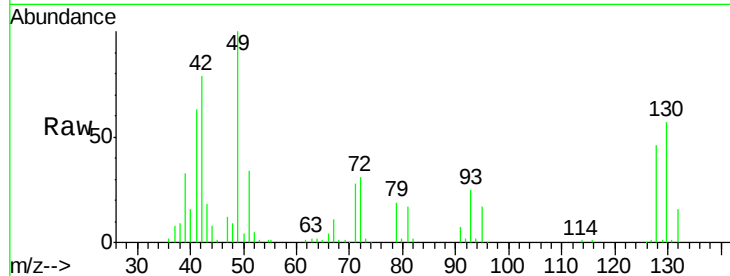
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	67695
Ion	Ratio	Lower	Upper
128	100		
49	218.2	0.0	560.5
130	126.3	0.0	317.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.158 ug/l

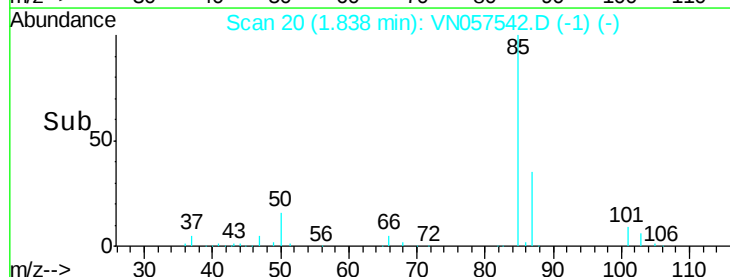
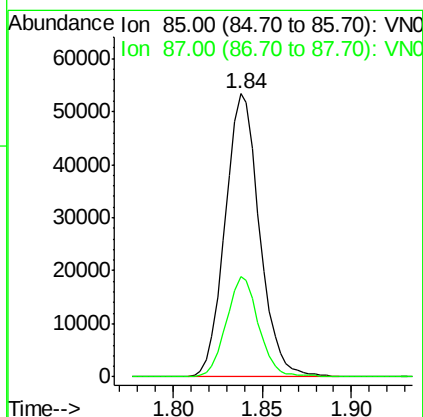
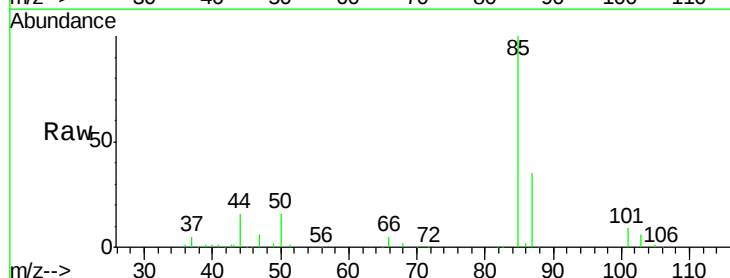
RT: 1.84 min Scan# 20

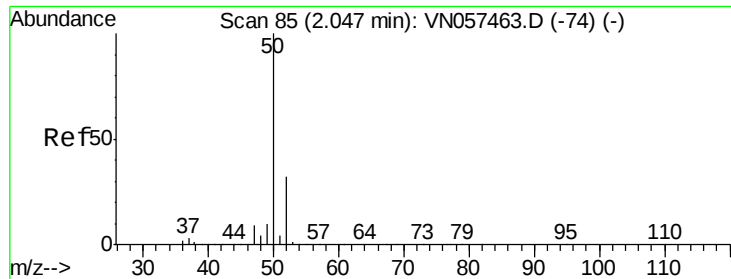
Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion:	85	Resp:	71387
Ion	Ratio	Lower	Upper
85	100		
87	35.2	16.4	49.1





#3

Chloromethane

Concen: 19.932 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 106002

Ion Ratio Lower Upper

50 100

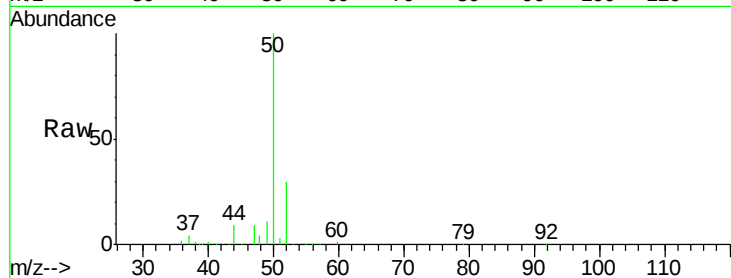
52 30.0 25.8 38.6

Manual Integrations

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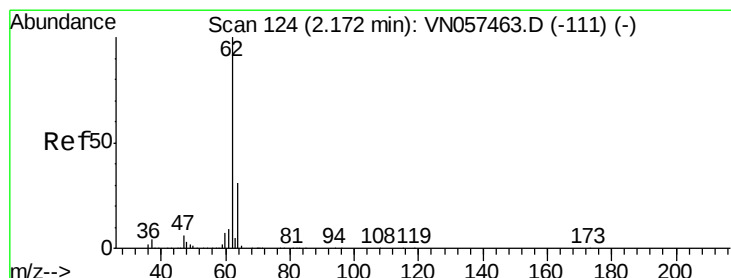
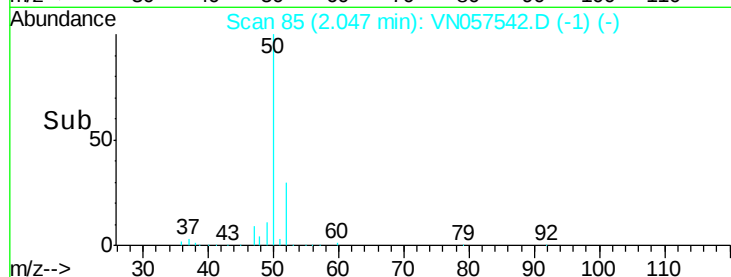
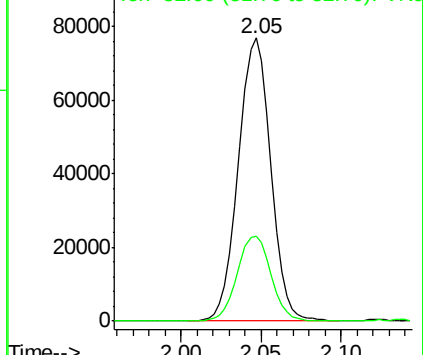
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.304 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057542.D

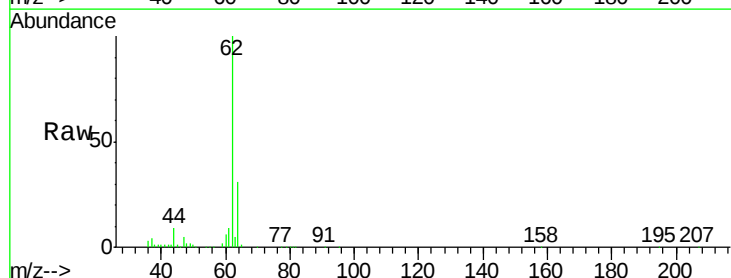
Acq: 27 Aug 2019 9:13

Tgt Ion: 62 Resp: 137176

Ion Ratio Lower Upper

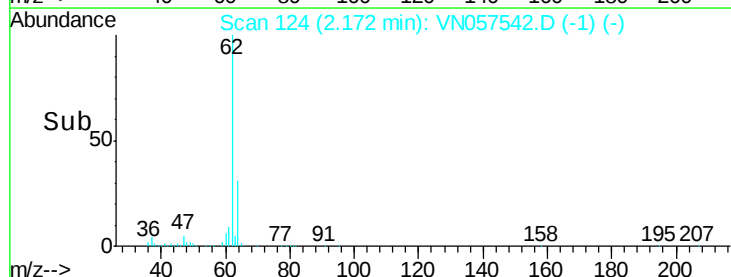
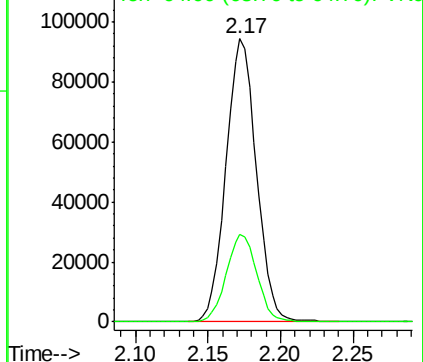
62 100

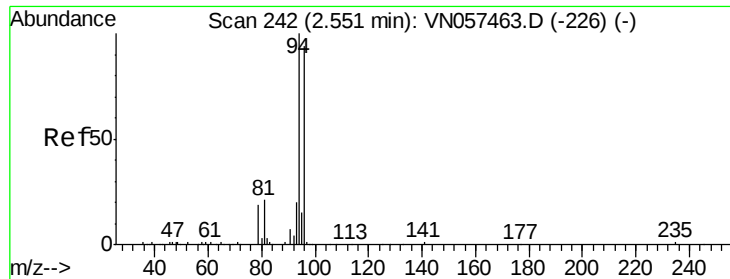
64 31.1 24.8 37.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.048 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 87623

Ion Ratio Lower Upper

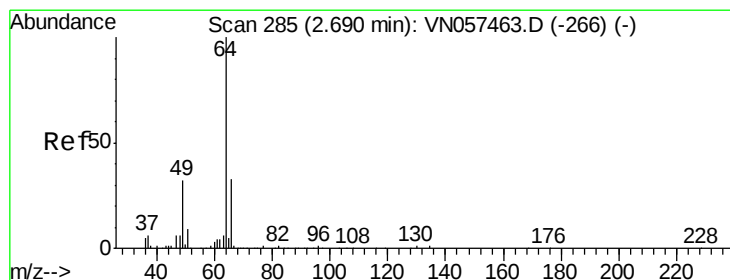
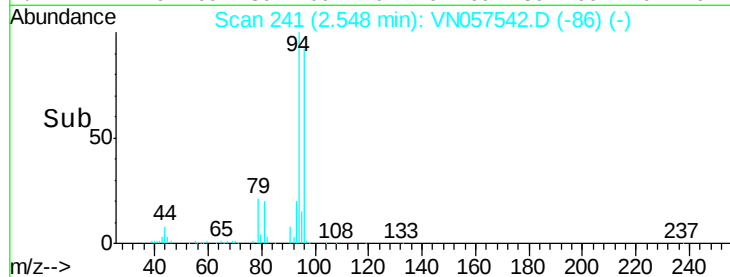
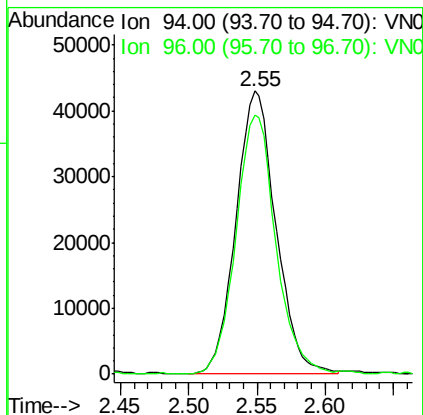
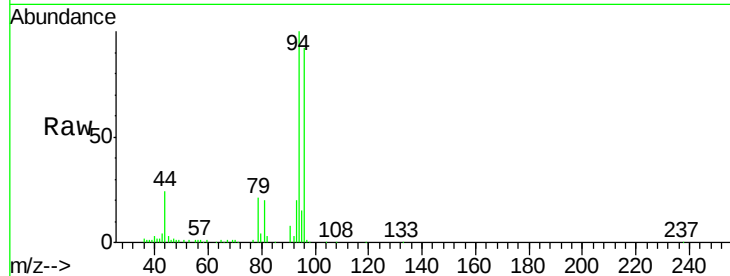
94 100

96 91.7 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 19.993 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057542.D

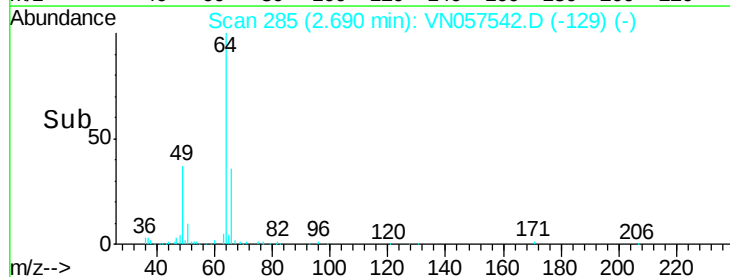
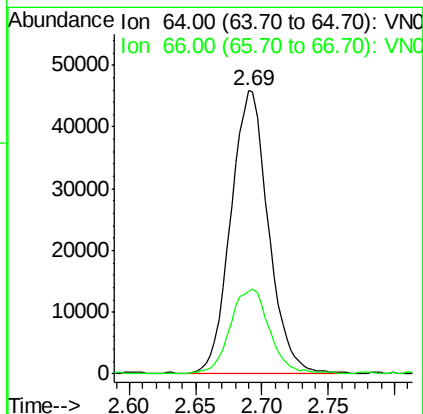
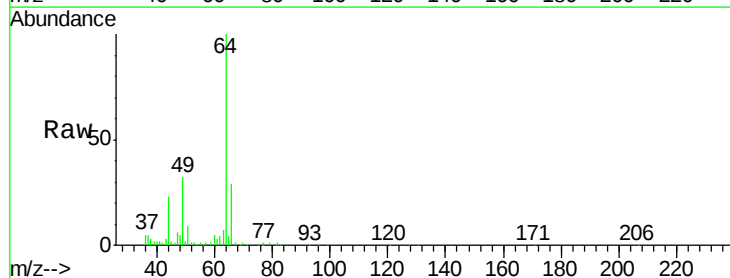
Acq: 27 Aug 2019 9:13

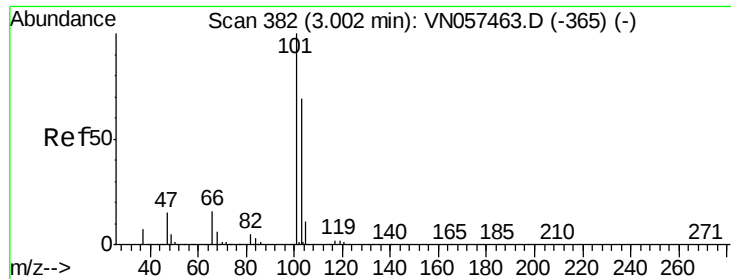
Tgt Ion: 64 Resp: 90476

Ion Ratio Lower Upper

64 100

66 28.9 26.3 39.5





#7

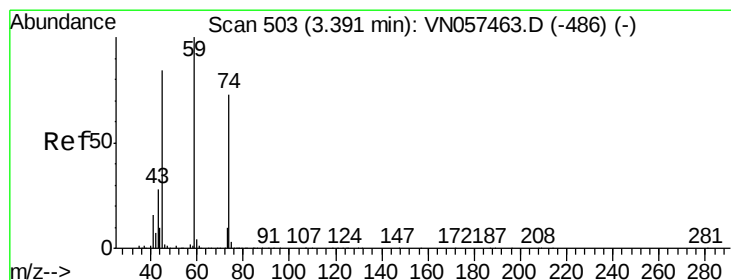
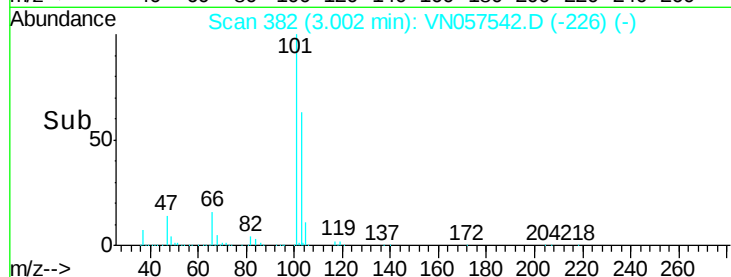
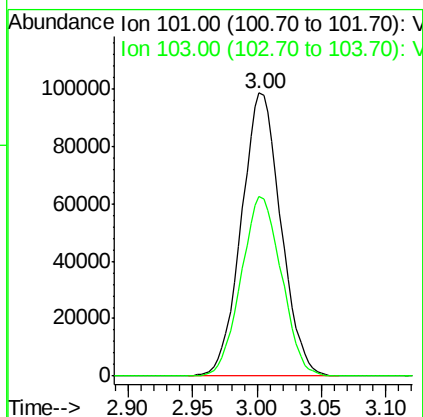
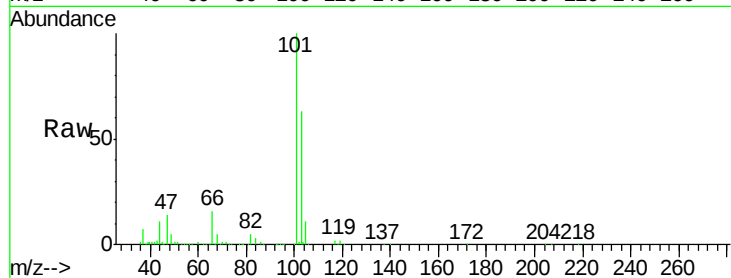
Trichlorofluoromethane
 Concen: 19.574 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057542.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
210339	101	100			
	103	63.5	55.0	82.4	

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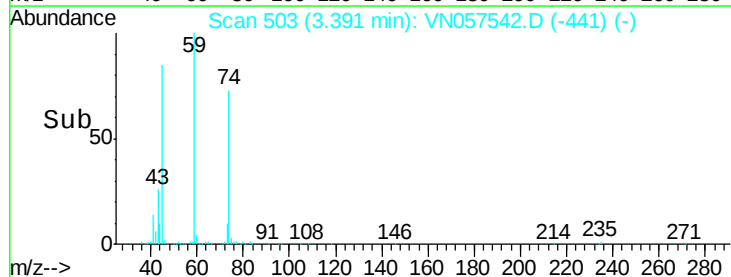
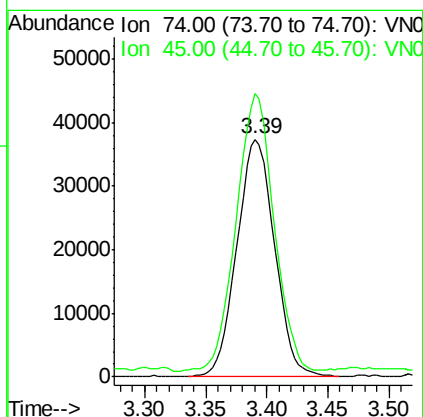
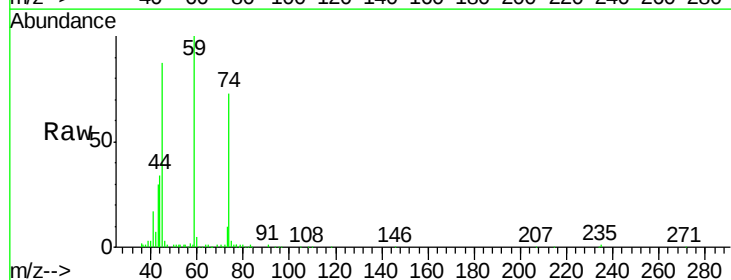
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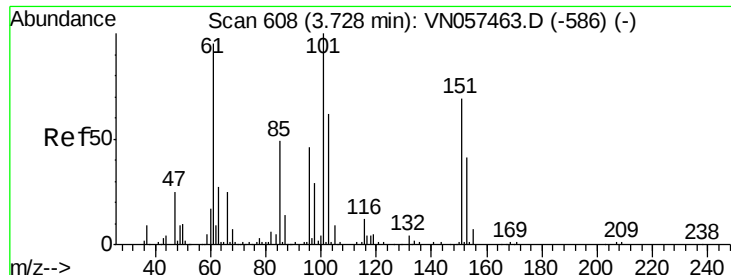


#8

Diethyl Ether
 Concen: 19.378 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
79997	74	100			
	45	117.3	23.2	209.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.030 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

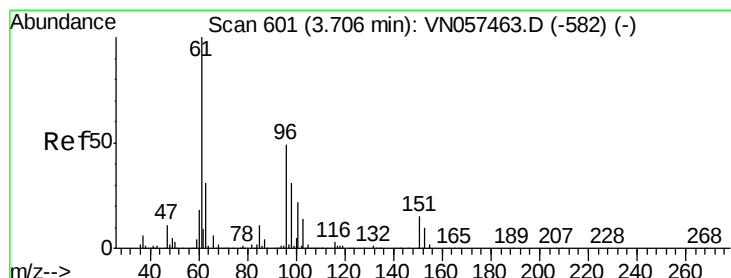
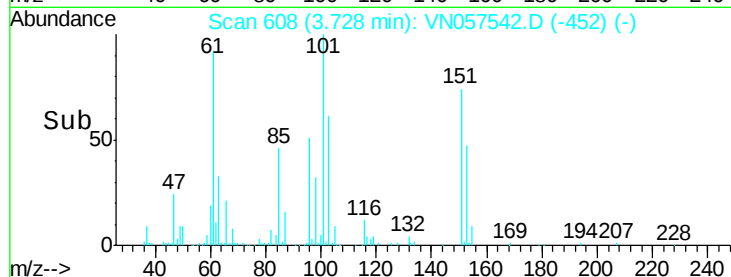
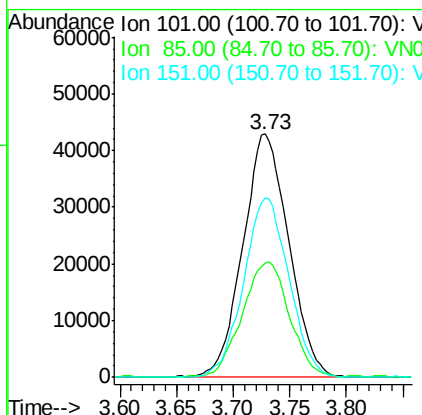
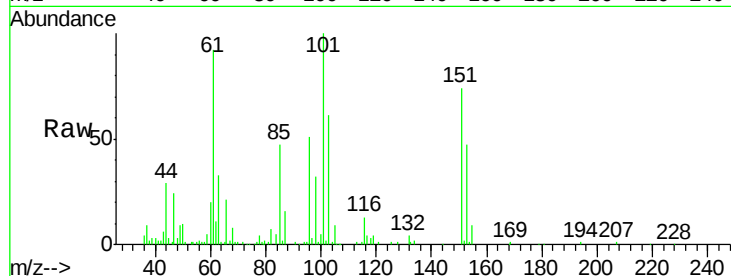
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	121226		
85	48.9	0.0	101.6	
151	72.6	0.0	139.4	

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#10

1,1-Dichloroethene

Concen: 19.434 ug/l

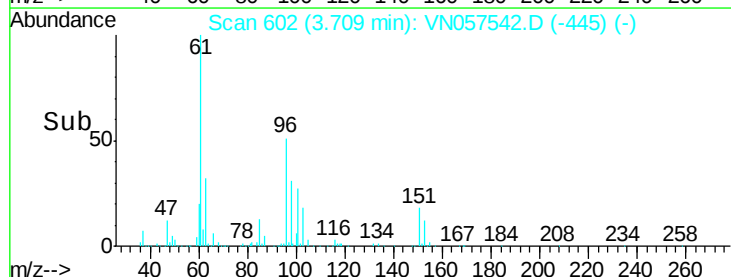
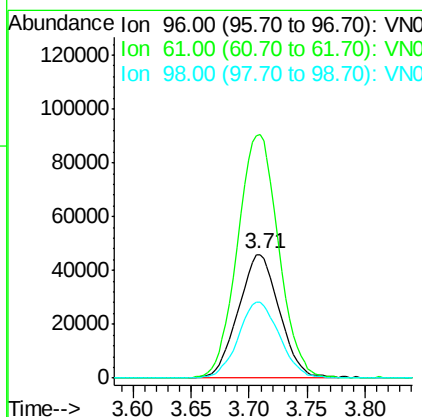
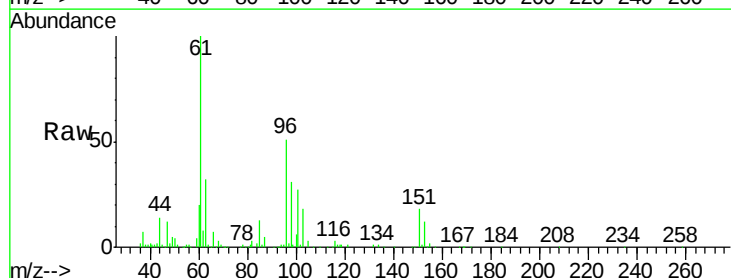
RT: 3.71 min Scan# 602

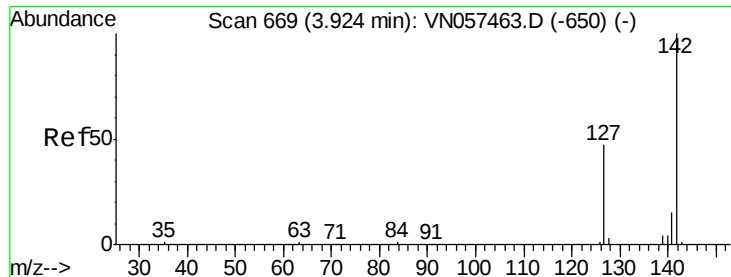
Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	113552		
61	196.4	162.6	244.0	
98	61.0	51.1	76.7	





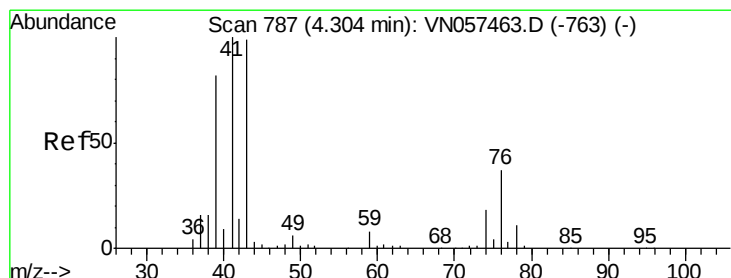
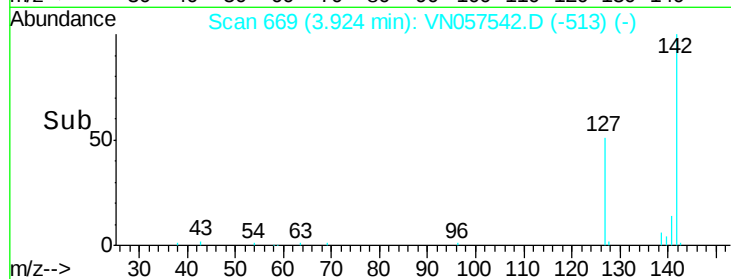
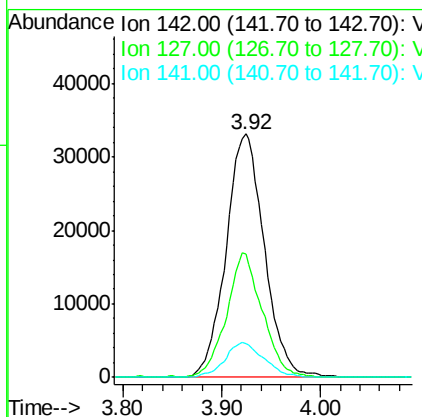
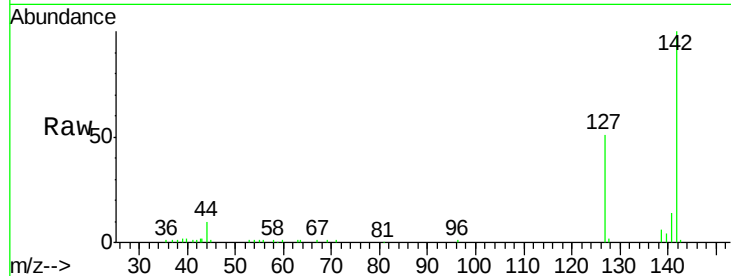
#11
Methyl Iodide
Concen: 16.986 ug/l
RT: 3.92 min Scan# 669
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.8	24.0	72.0
141	13.8	7.0	21.1

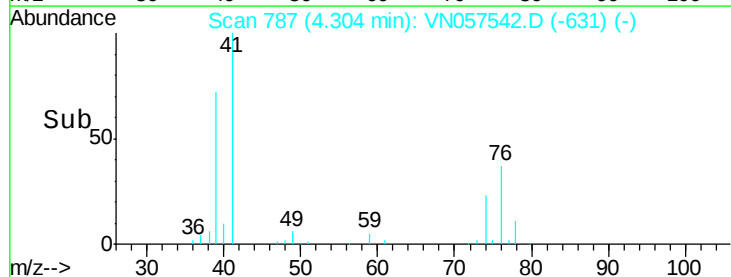
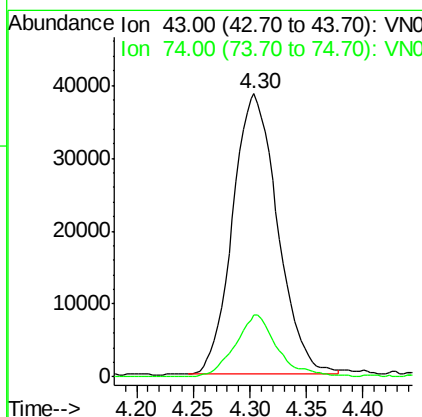
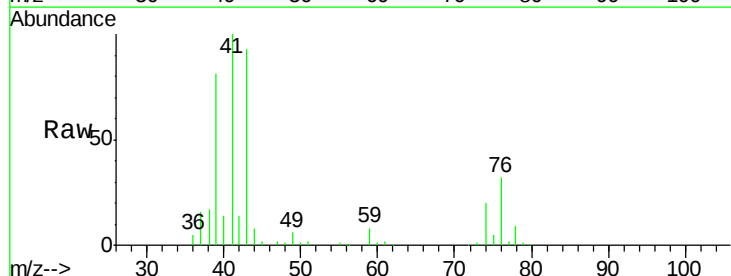
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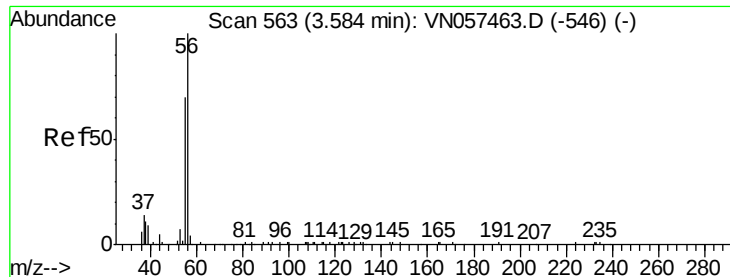
MMDadoda
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#12
Methyl Acetate
Concen: 18.061 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	14.6	22.0





#13

Acrolein

Concen: 91.319 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 68360

Ion Ratio Lower Upper

56 100

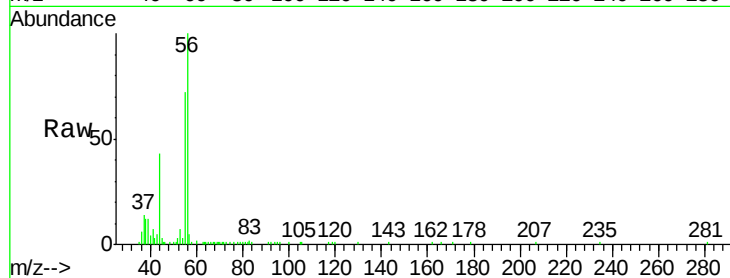
55 72.7 56.7 85.1

Manual Integrations

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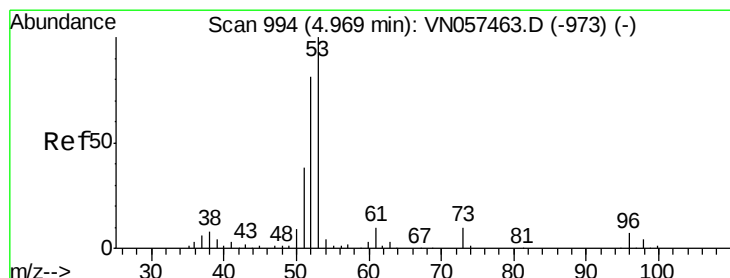
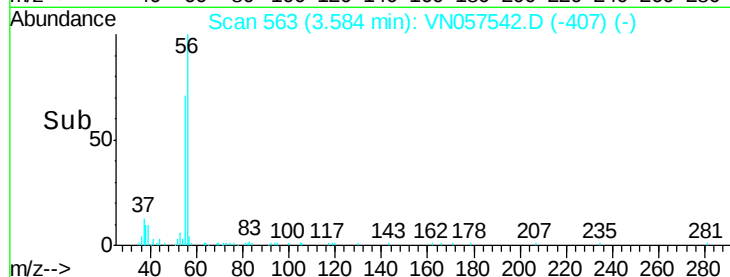
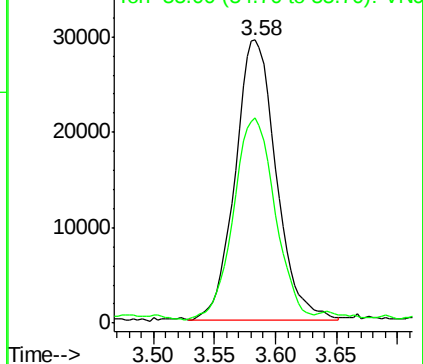
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.656 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

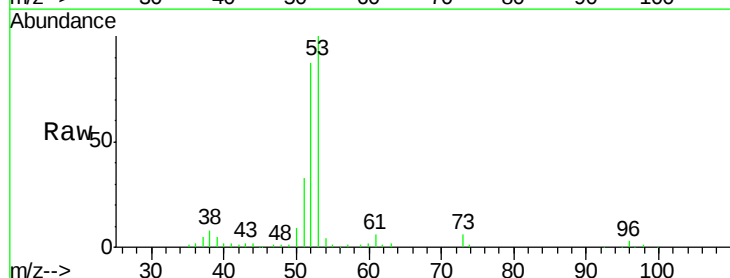
Tgt Ion: 53 Resp: 197647

Ion Ratio Lower Upper

53 100

52 85.7 41.3 123.9

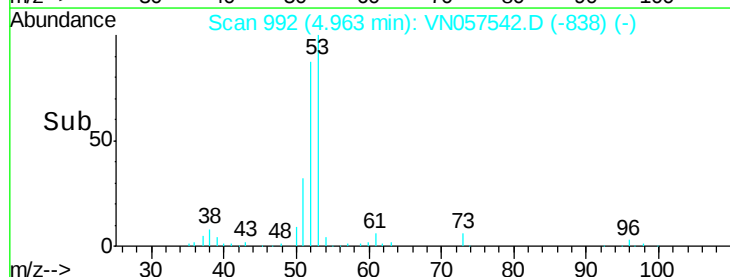
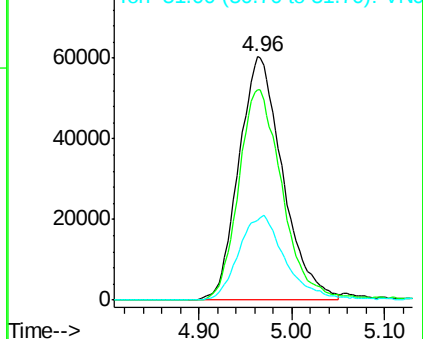
51 36.7 18.3 54.9

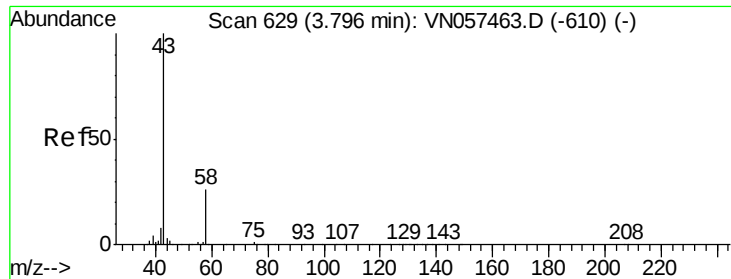


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





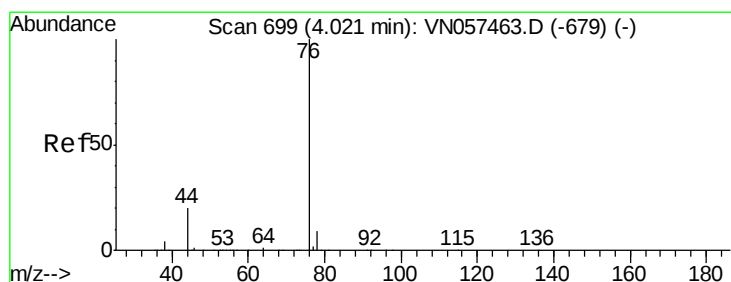
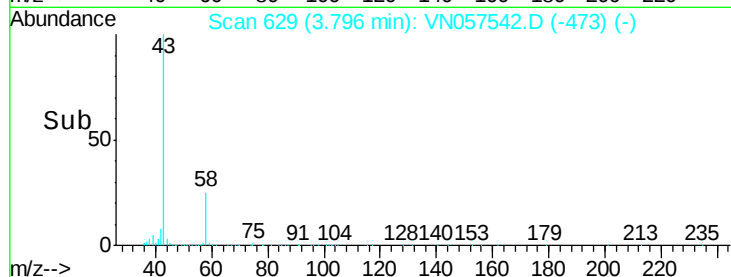
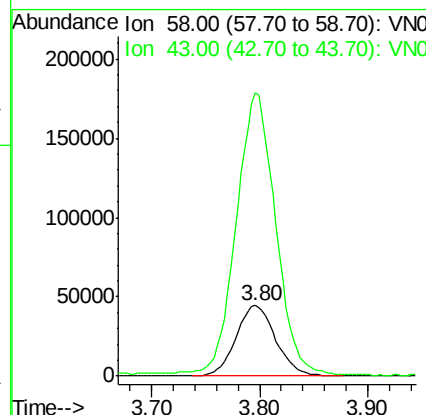
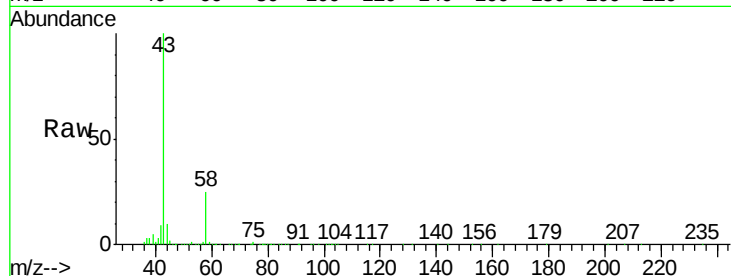
#15
Acetone
Concen: 118.077 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	58	Resp	112950
Ion Ratio	Lower	Upper	
58	100		
43	402.6	304.4	456.6

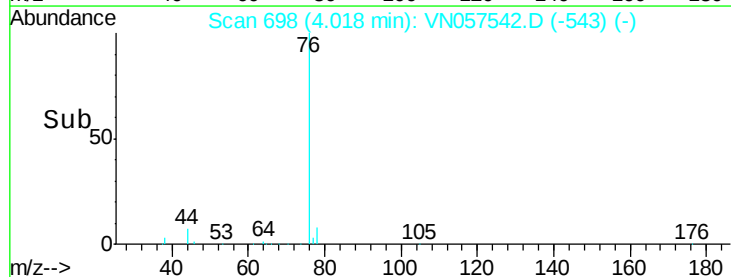
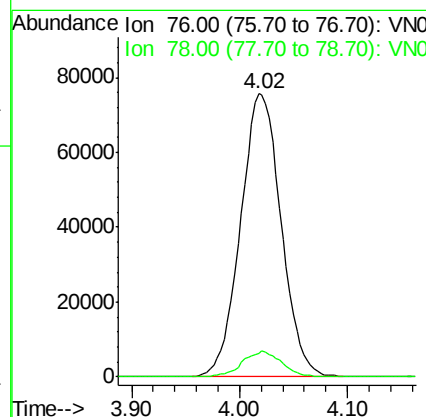
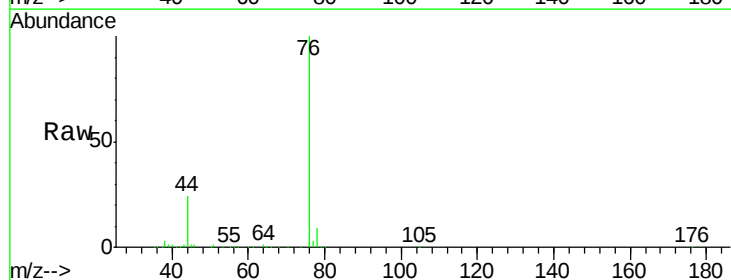
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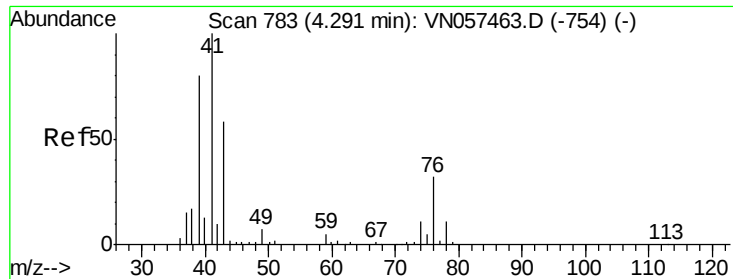
MMDadoda
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#16
Carbon Disulfide
Concen: 19.023 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	76	Resp	197989
Ion Ratio	Lower	Upper	
76	100		
78	8.5	7.4	11.2





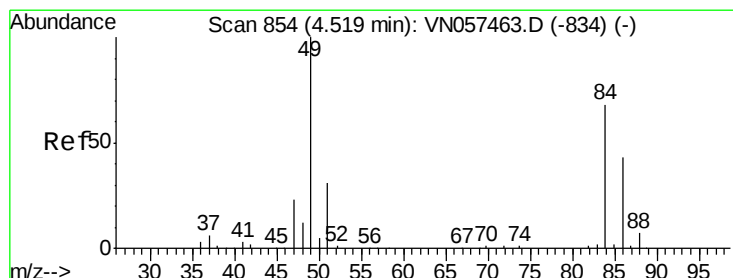
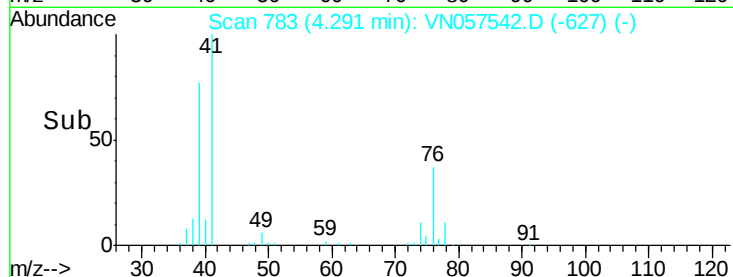
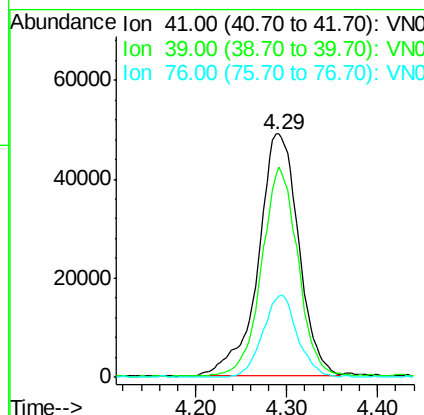
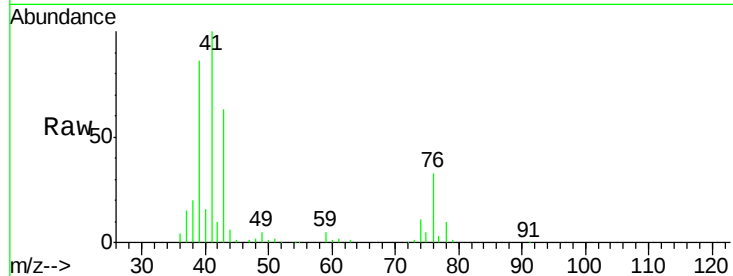
#17
Allvl chloride
Concen: 18.881 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	86.0	40.1	120.2
76	33.0	16.2	48.6

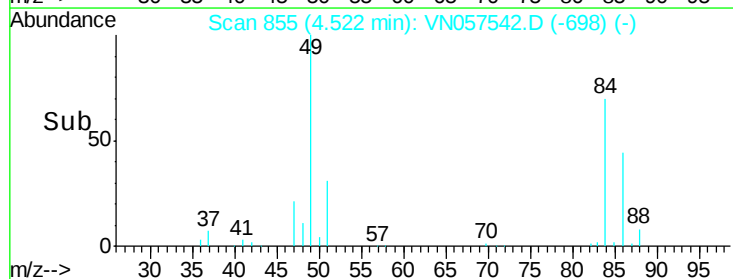
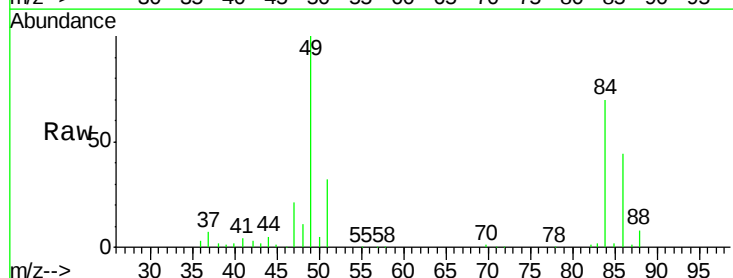
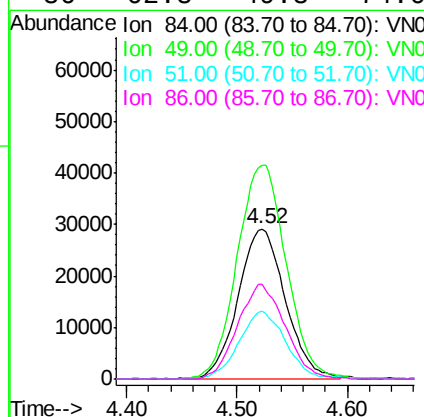
Manual Integrations
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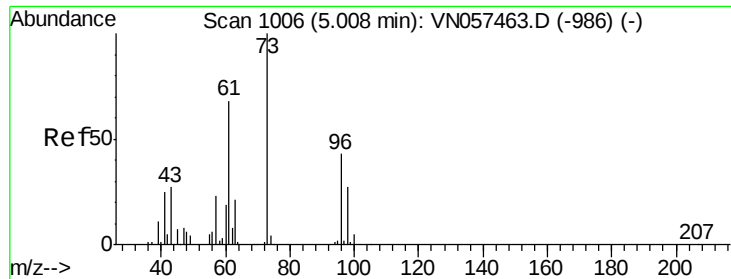
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#18
Methylene Chloride
Concen: 20.221 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.0	116.8	175.2
51	45.0	36.4	54.6
86	62.8	49.8	74.6





#19

trans-1,2-Dichloroethene

Concen: 20.440 ug/l m

RT: 5.01 min Scan# 1008

Delta R.T. 0.01 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

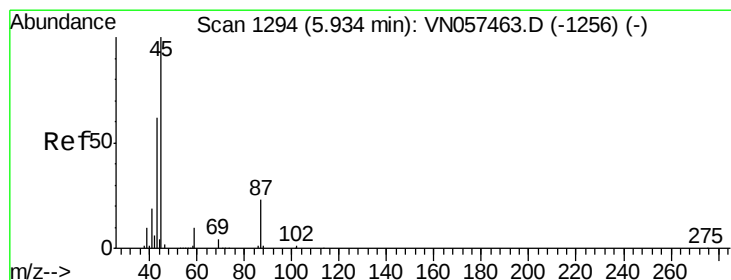
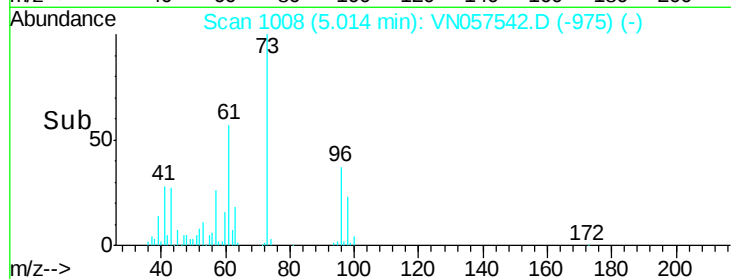
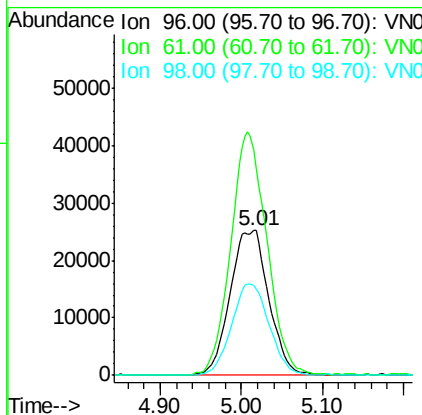
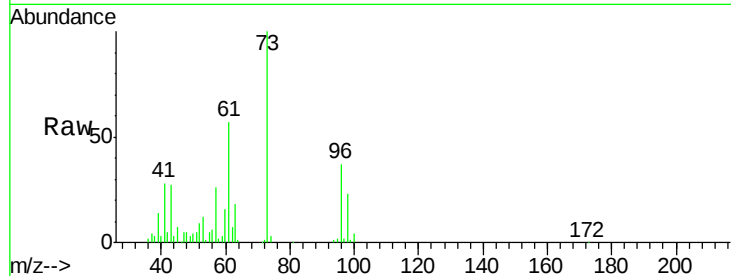
ClientSampleId :

VSTDCCC020

Tot Ion:	96	Resp:	82481
Ion	Ratio	Lower	Upper
96	100		
61	155.3	127.6	191.4
98	61.9	51.5	77.3

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.715 ug/l

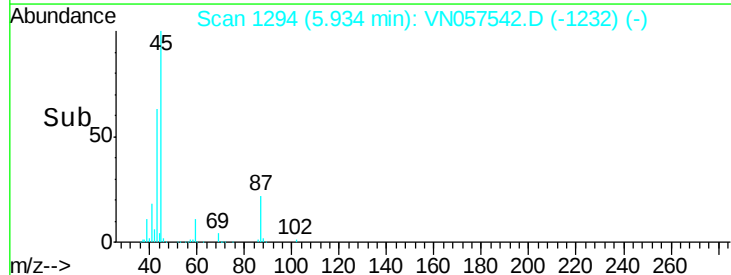
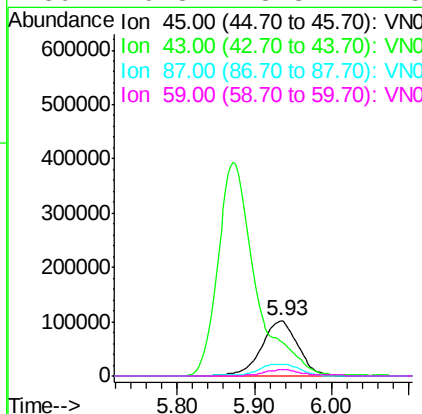
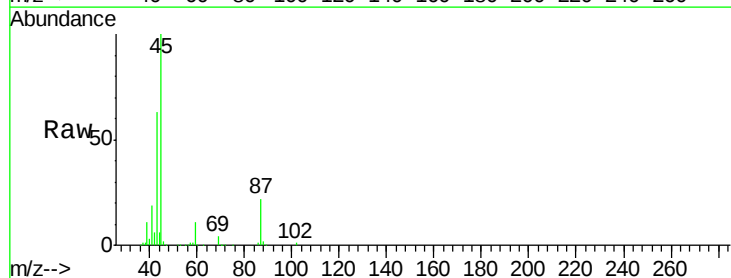
RT: 5.93 min Scan# 1294

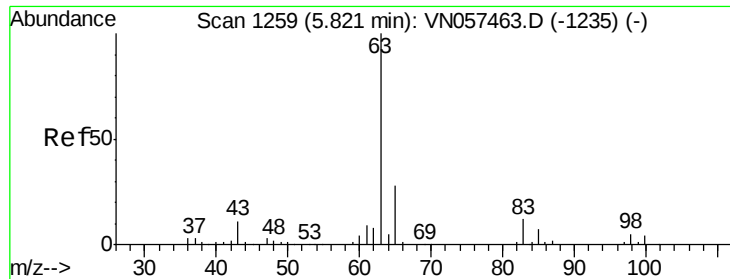
Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion:	45	Resp:	335506
Ion	Ratio	Lower	Upper
45	100		
43	61.5	49.9	74.9
87	21.5	19.1	28.7
59	10.3	8.3	12.5





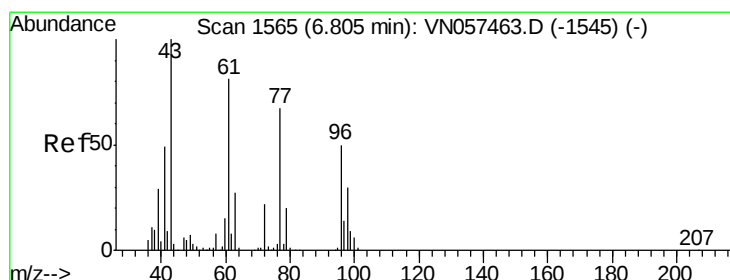
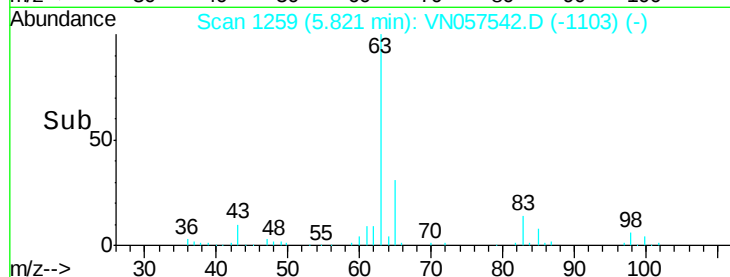
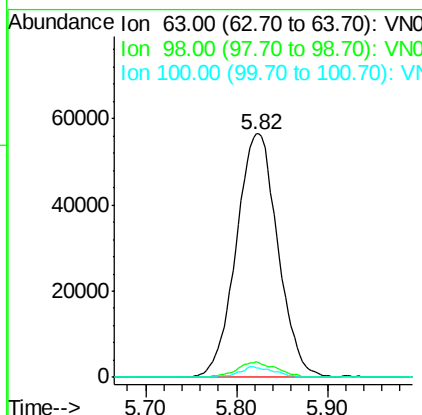
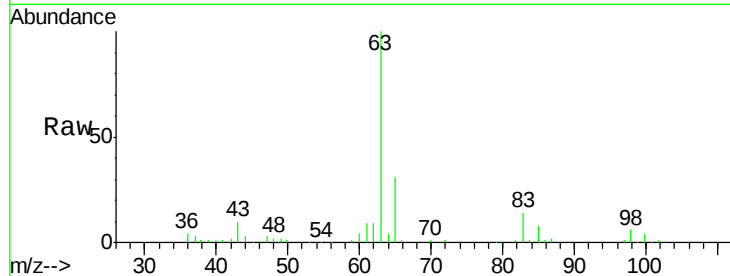
#21
 1,1-Dichloroethane
 Concen: 20.280 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	63	Resp:	179341
Ion Ratio	Lower	Upper	
63	100		
98	6.3	2.4	7.1
100	3.9	2.1	6.3

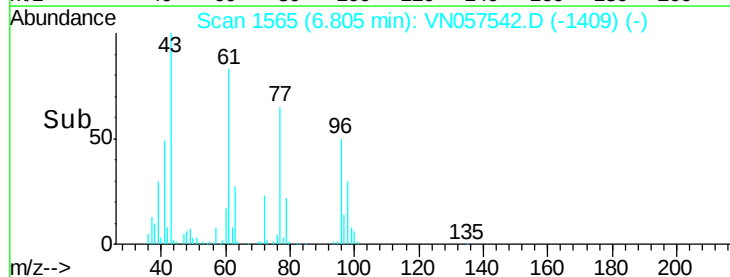
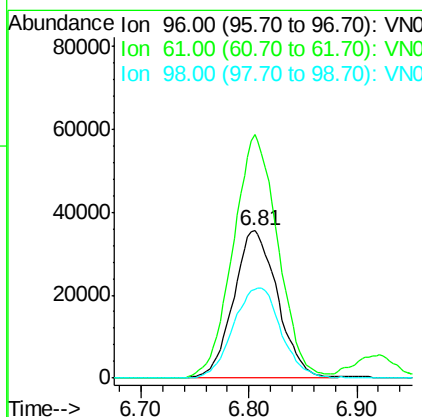
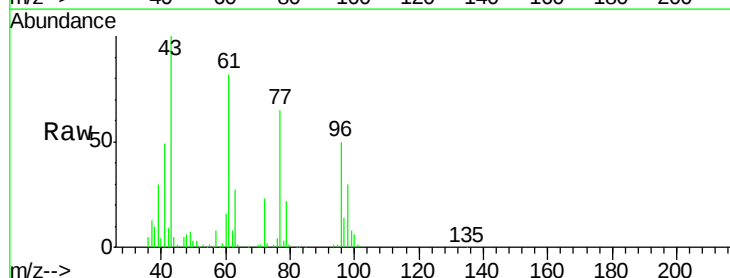
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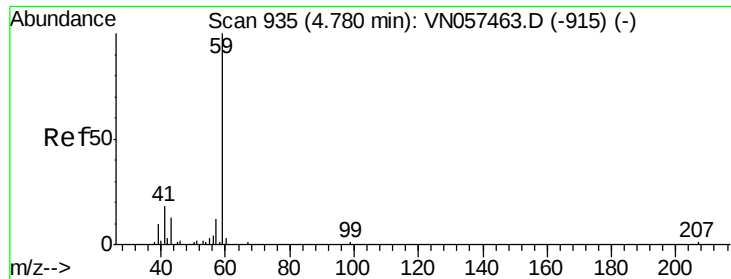
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#22
 cis-1,2-Dichloroethene
 Concen: 20.578 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion:	96	Resp:	100998
Ion Ratio	Lower	Upper	
96	100		
61	167.7	134.4	201.6
98	66.0	51.4	77.0





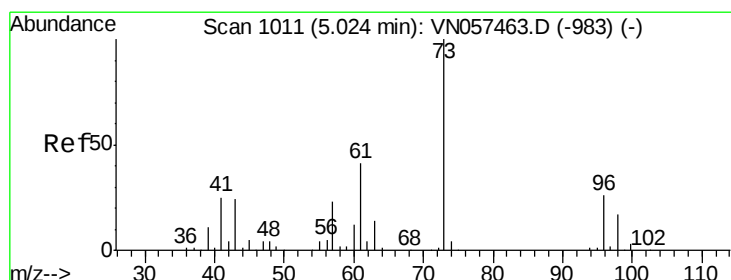
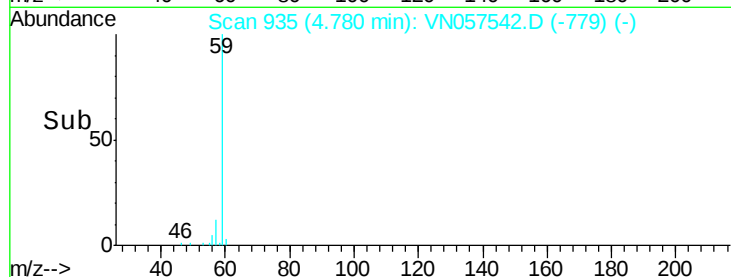
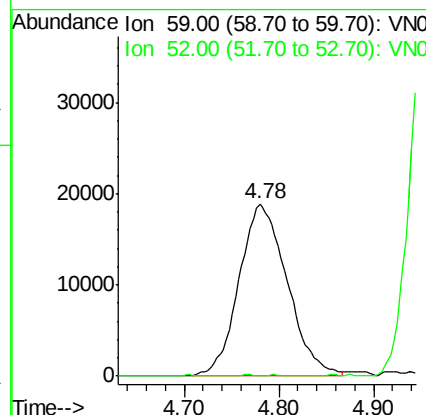
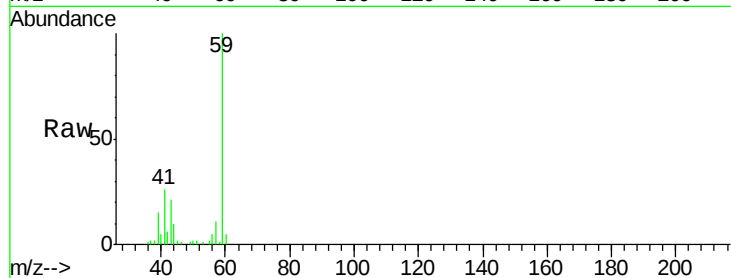
#23
 tert-Butyl Alcohol
 Concen: 89.942 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 59 Resp: 66808
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.1 0.1#

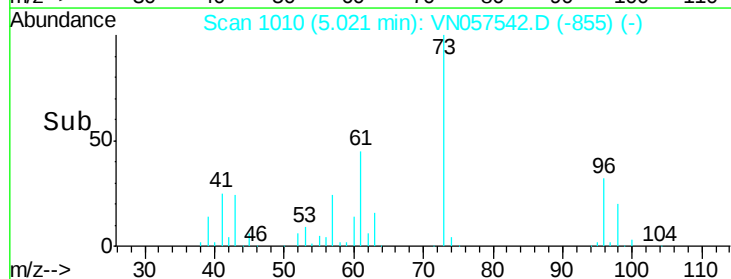
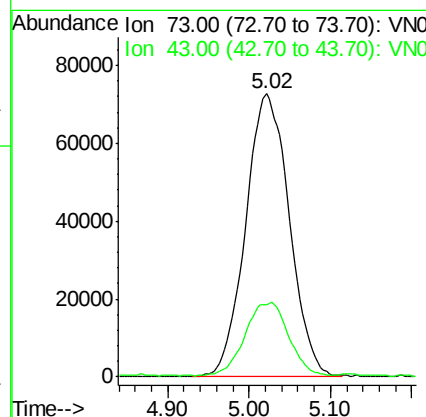
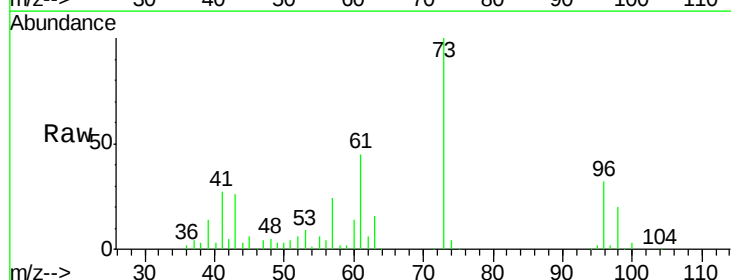
Manual Integrations
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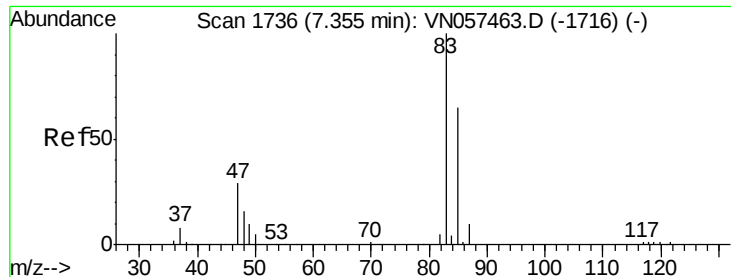
MMDadoda
 8/28/2019 4:26:34 PM



#24
 Methyl tert-Butyl Ether
 Concen: 19.996 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 73 Resp: 269937
 Ion Ratio Lower Upper
 73 100
 43 0.1 20.1 30.1#





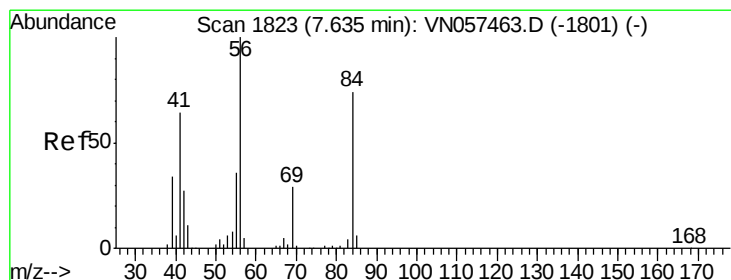
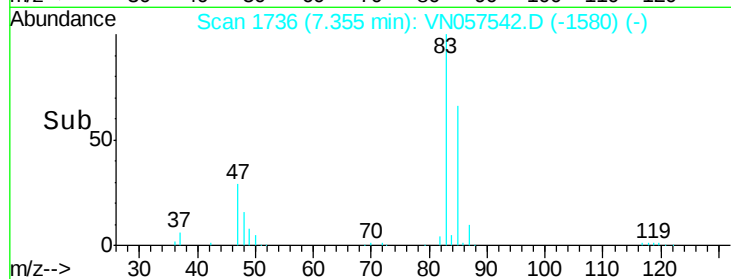
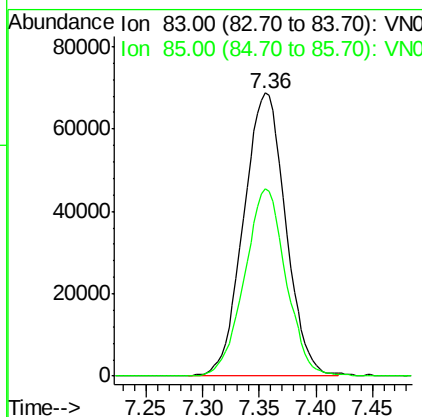
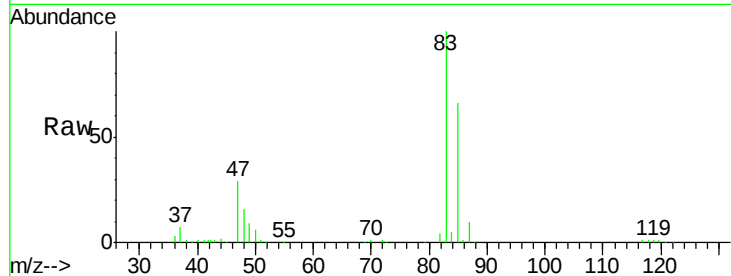
#25
Chloroform
Concen: 20.296 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	178189
Ion Ratio	100	Lower	Upper
83	100		
85	66.4	52.0	78.0

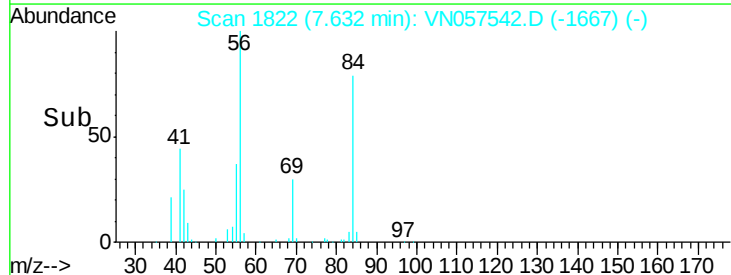
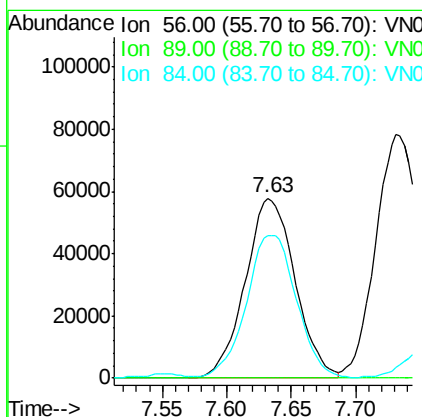
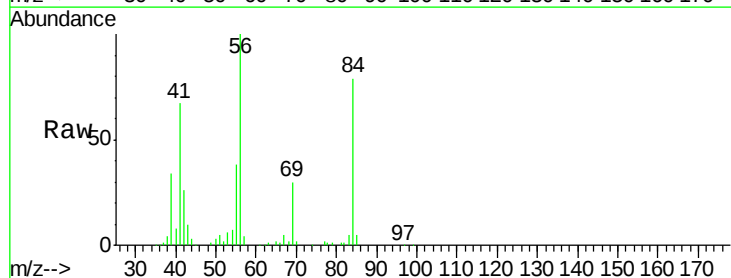
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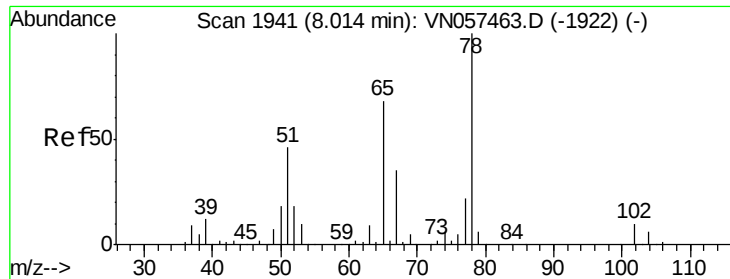
MMDadoda
8/28/2019 4:26:34 PM



#26
Cyclohexane
Concen: 19.772 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	56	Resp	155695
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	0.0	0.0#
84	79.9	61.1	91.7





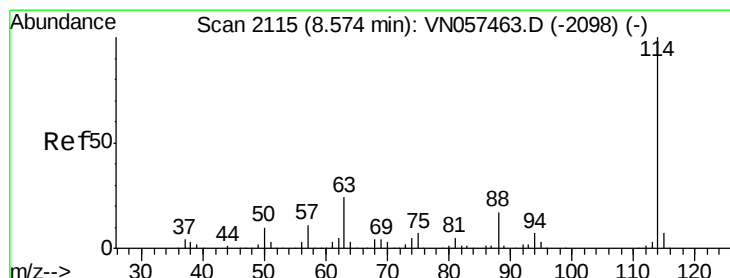
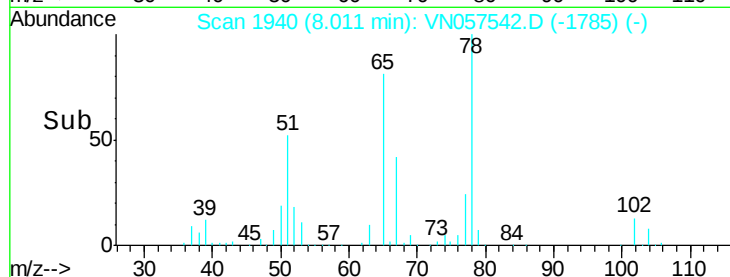
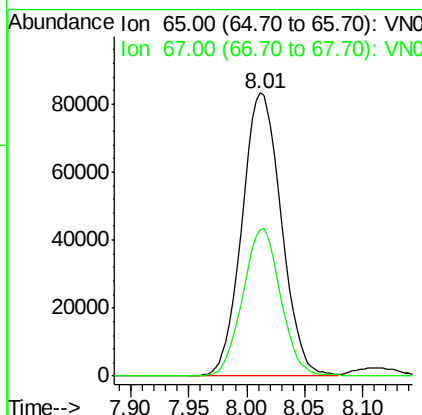
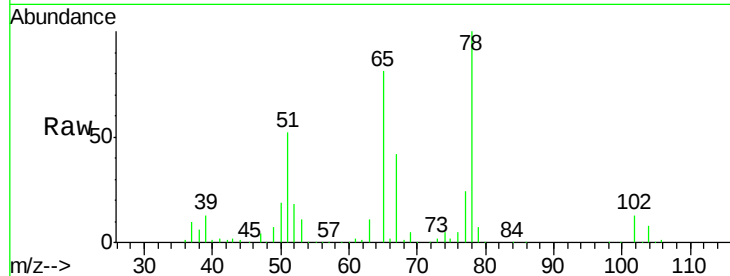
#27
 1,2-Dichloroethane-d4
 Concen: 30.160 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 196826
 Ion Ratio Lower Upper
 65 100
 67 50.3 40.2 60.4

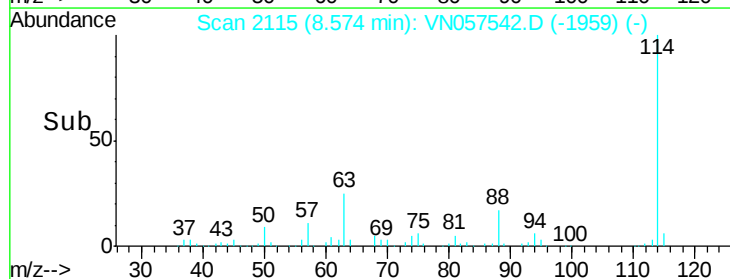
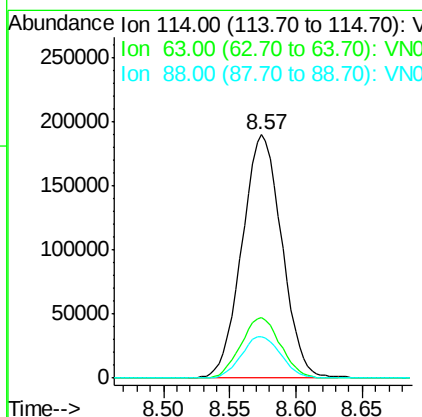
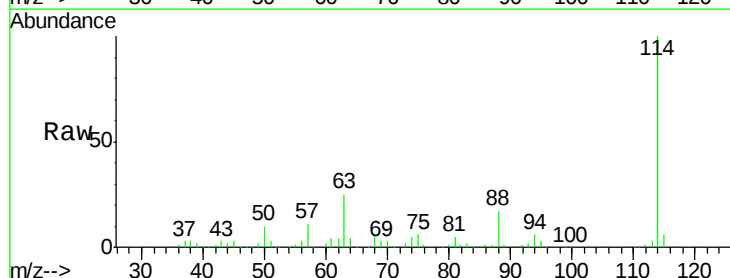
Manual Integrations
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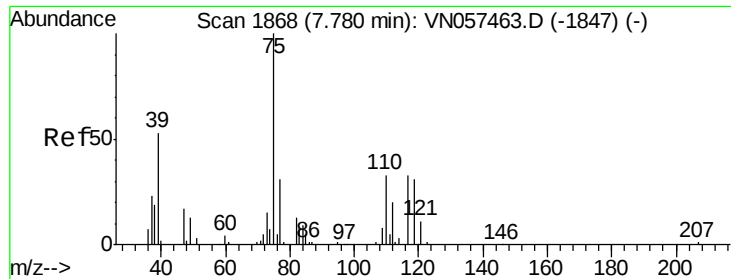
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 114 Resp: 395858
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 17.2 13.1 19.7





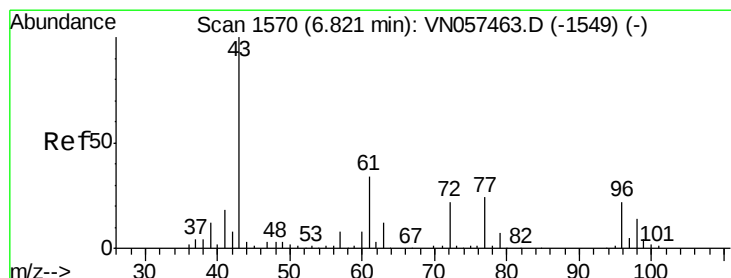
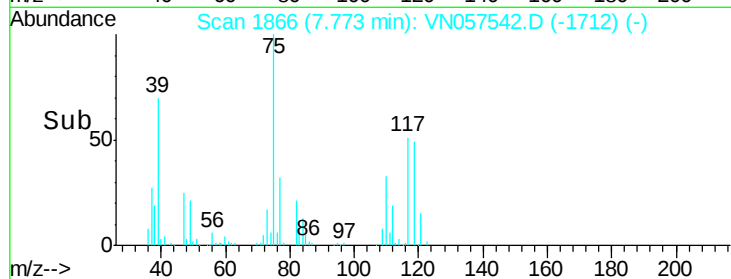
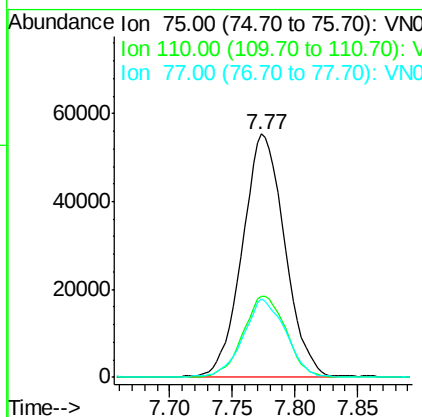
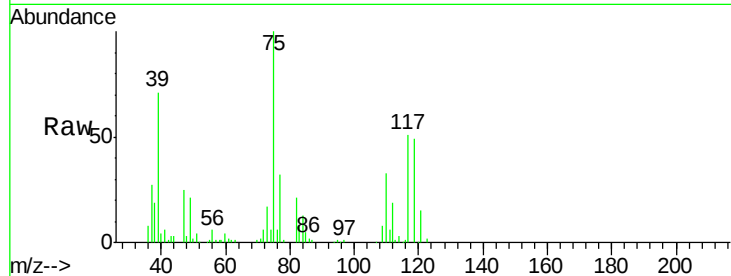
#29
 1,1-Dichloropropene
 Concen: 19.418 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.6	0.0	64.0
77	32.2	0.0	63.4

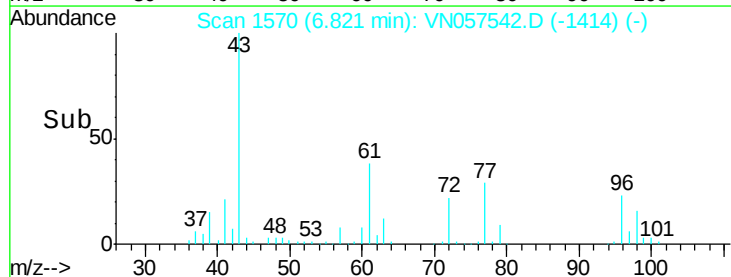
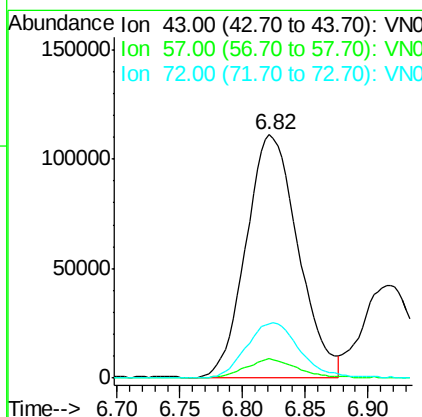
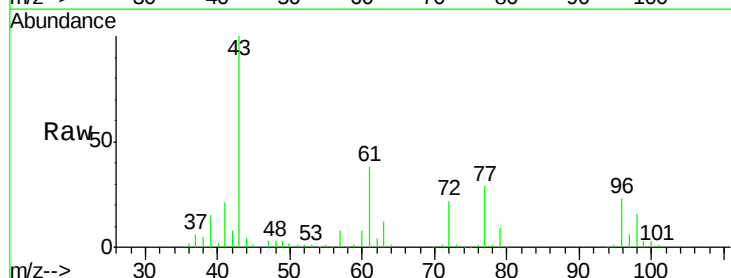
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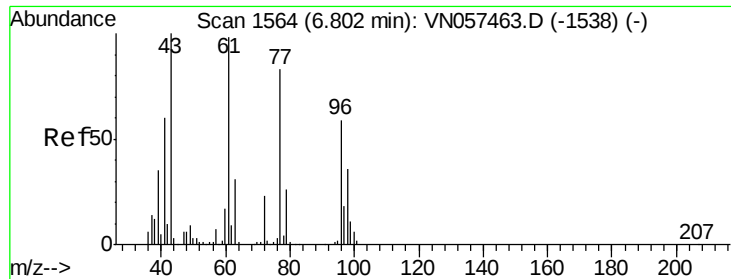
MMDadoda
 8/28/2019 4:26:34 PM



#30
 2-Butanone
 Concen: 98.522 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	5.7	8.5
72	23.3	18.2	27.2





#31

2,2-Dichloropropane

Concen: 19.946 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 153323

Ion Ratio Lower Upper

77 100

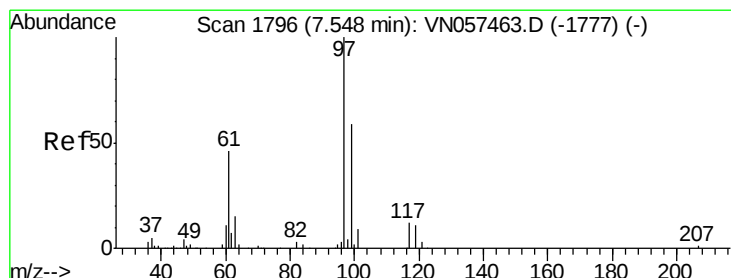
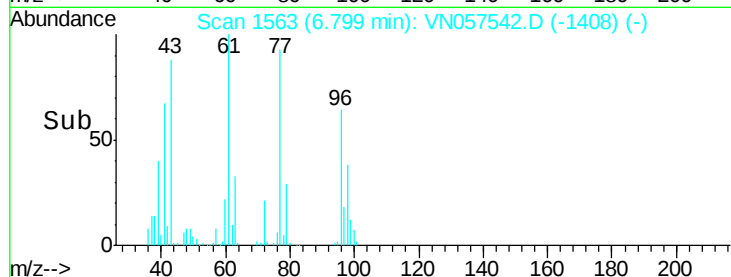
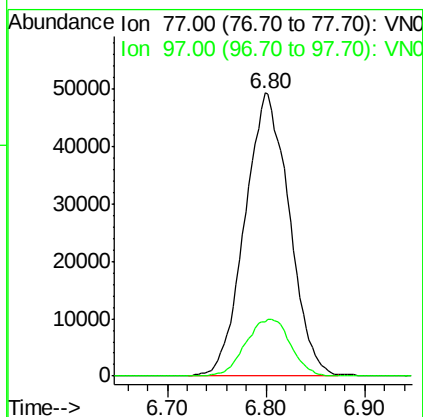
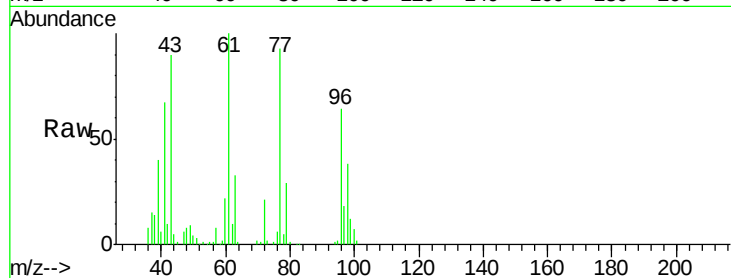
97 20.4 17.0 25.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.448 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

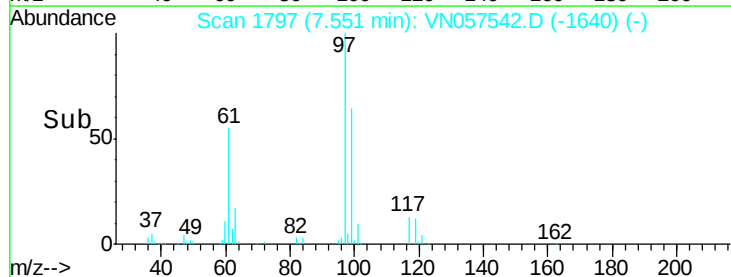
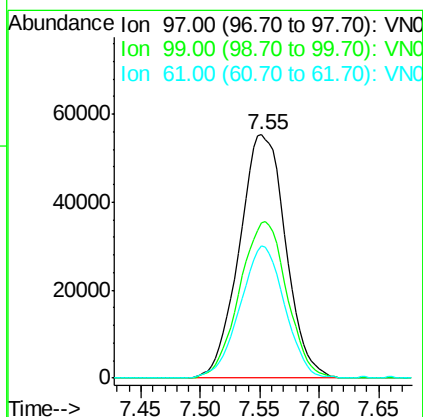
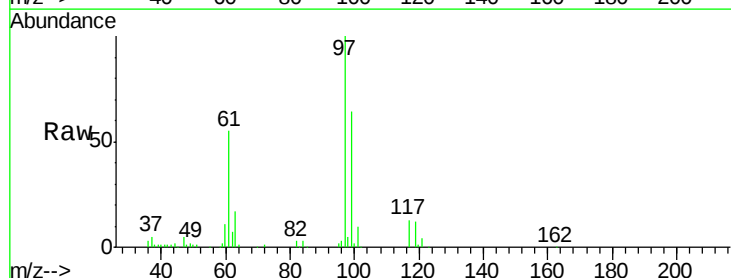
Tgt Ion: 97 Resp: 149574

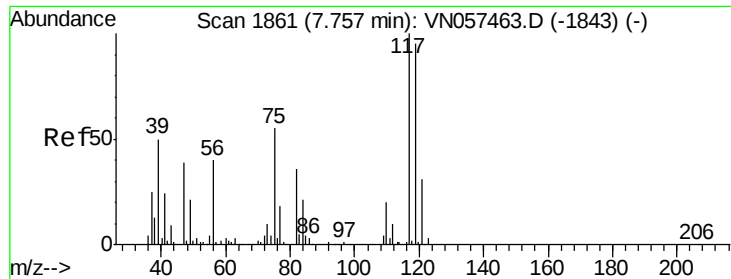
Ion Ratio Lower Upper

97 100

99 65.2 49.6 74.4

61 52.3 40.9 61.3





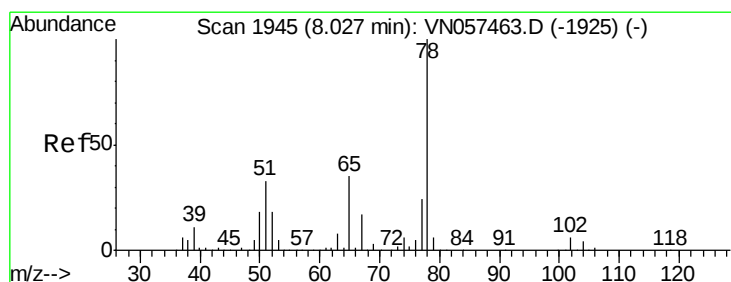
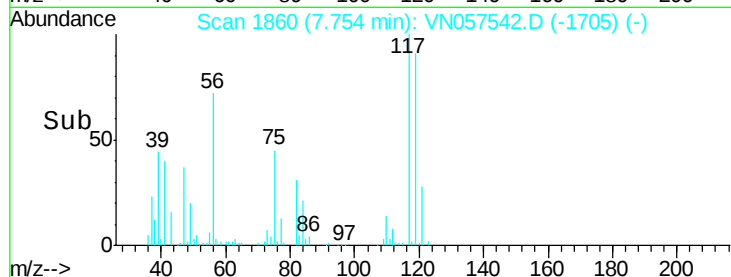
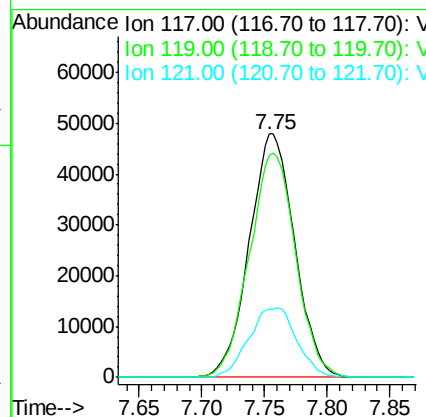
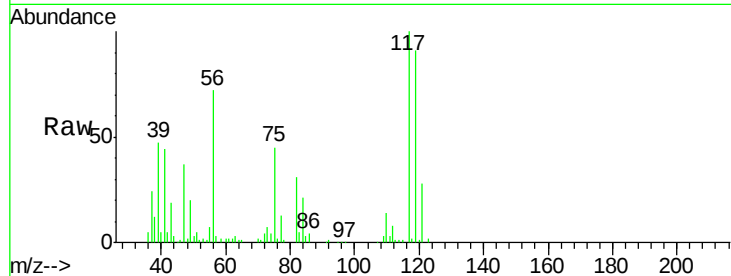
#33
Carbon Tetrachloride
Concen: 18.861 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.8	115.2
121	27.9	24.8	37.2

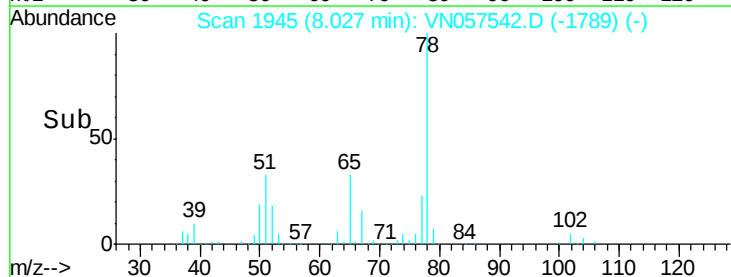
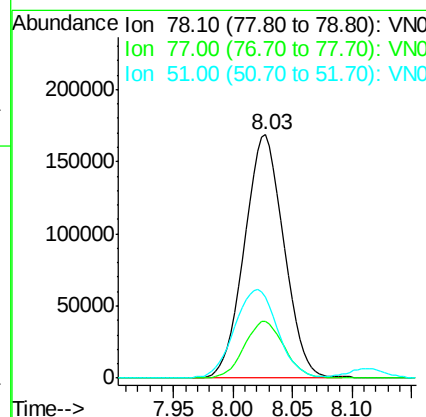
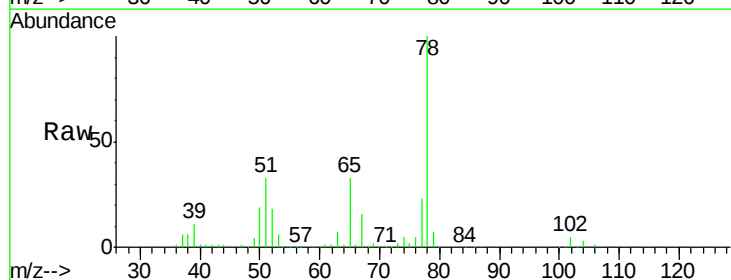
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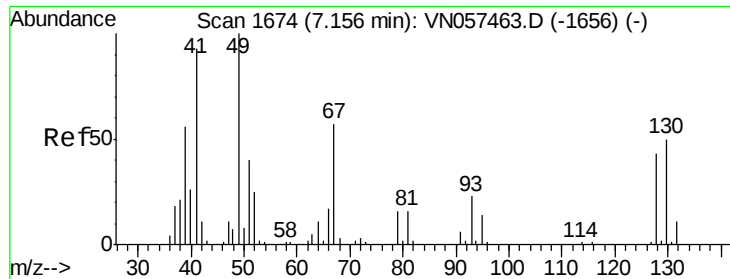
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#34
Benzene
Concen: 19.653 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.5	29.3
51	32.7	26.0	39.0





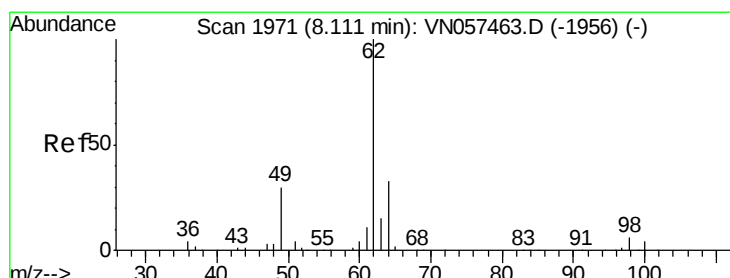
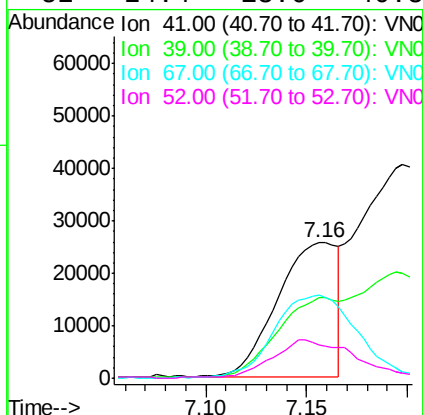
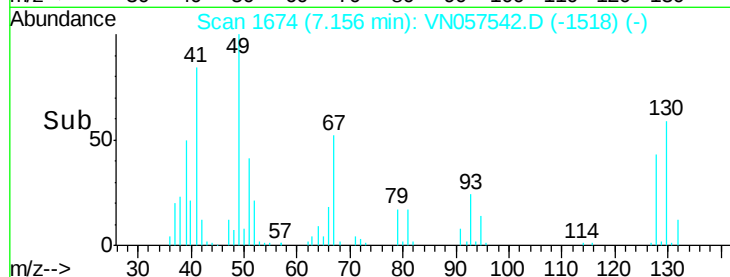
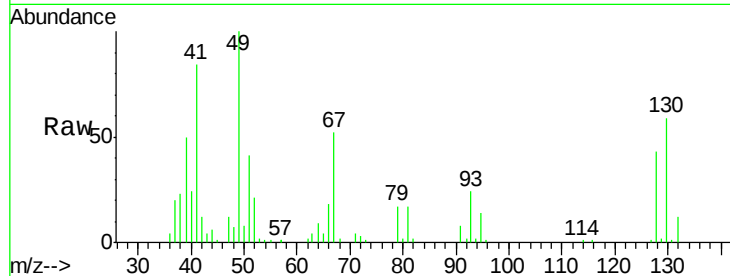
#35
Methacrylonitrile
Concen: 16.019 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.2	30.5	91.5	
67	62.4	30.9	92.5	
52	24.4	13.6	40.8	

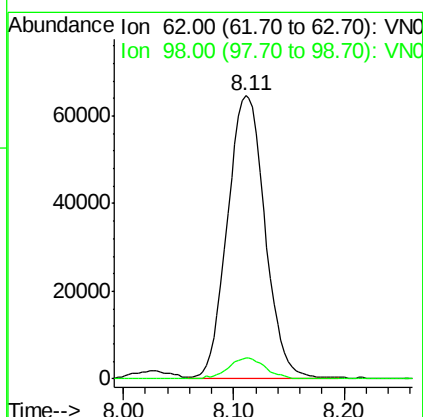
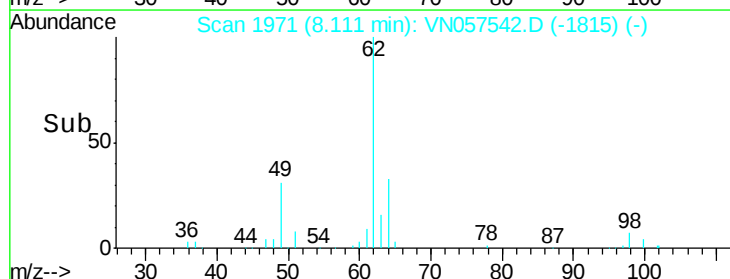
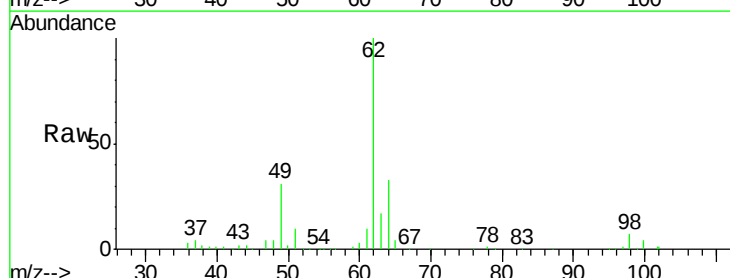
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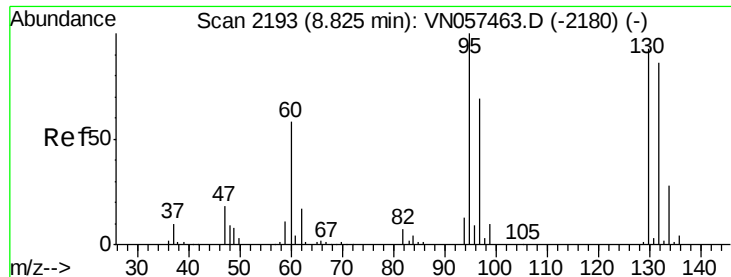
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#36
1,2-Dichloroethane
Concen: 19.750 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.1	2.8	4.2#	





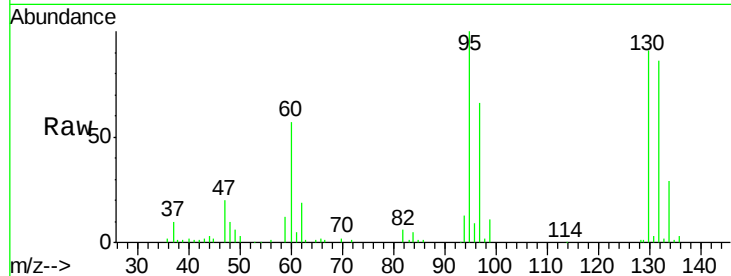
#37
 Trichloroethene
 Concen: 19.947 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

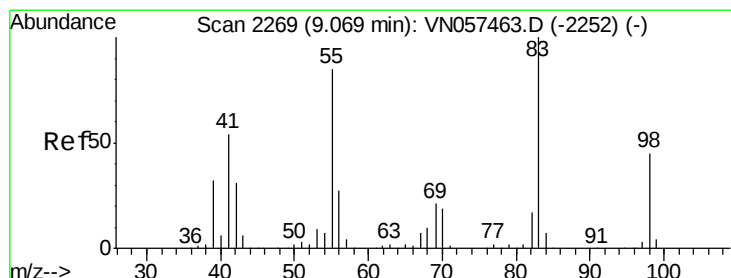
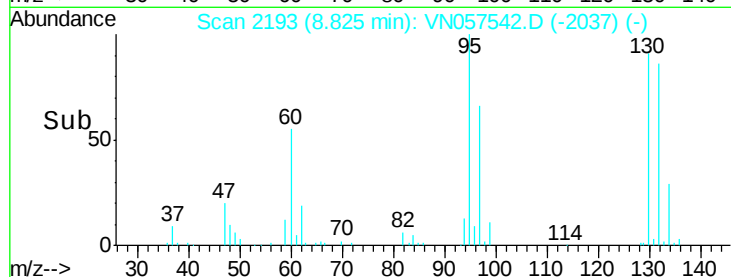
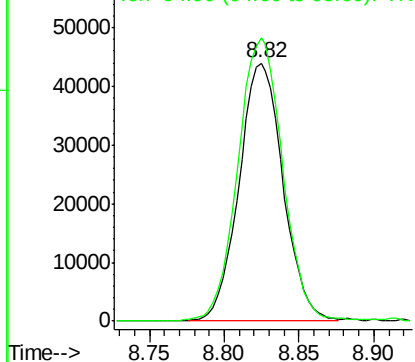
Tot Ion:130 Resp: 90034
 Ion Ratio Lower Upper
 130 100
 95 109.1 86.4 129.6

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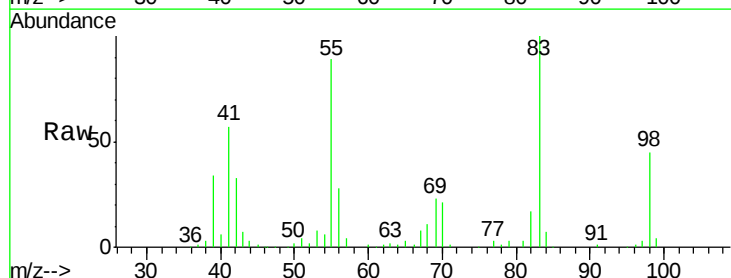


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

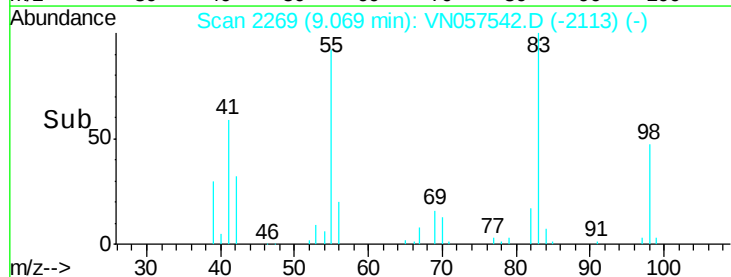
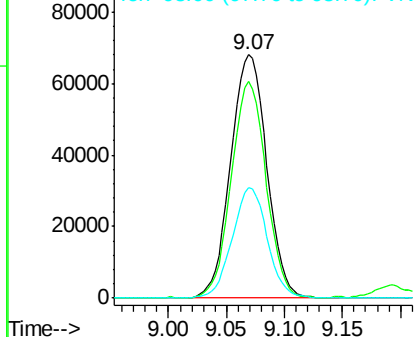


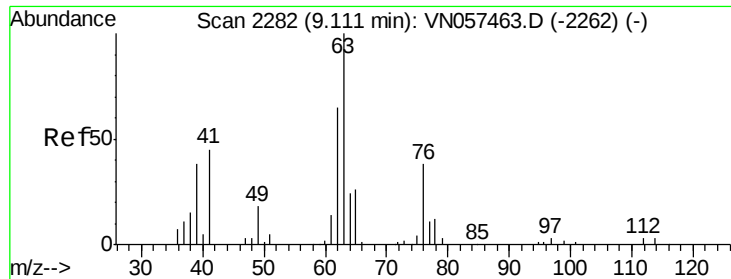
#38
 Methylcyclohexane
 Concen: 19.501 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 83 Resp: 147258
 Ion Ratio Lower Upper
 83 100
 55 85.4 43.3 129.8
 98 44.1 22.8 68.4



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





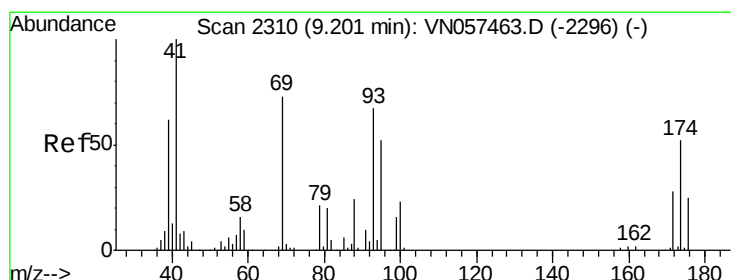
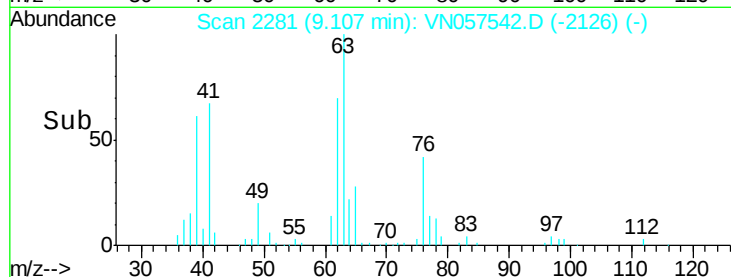
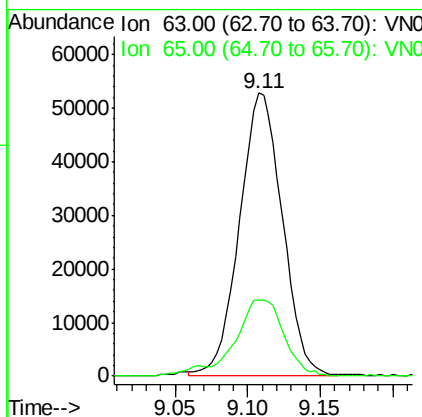
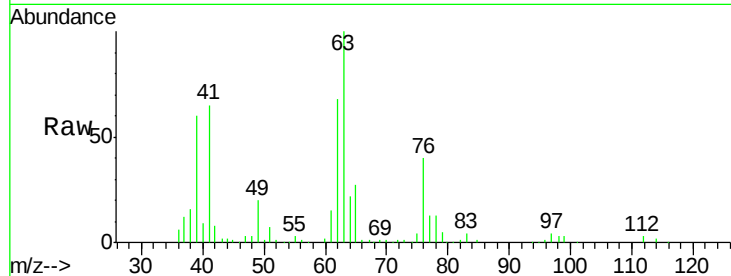
#39
 1,2-Dichloropropane
 Concen: 19.320 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 108683
 Ion Ratio Lower Upper
 63 100
 65 27.1 21.6 32.4

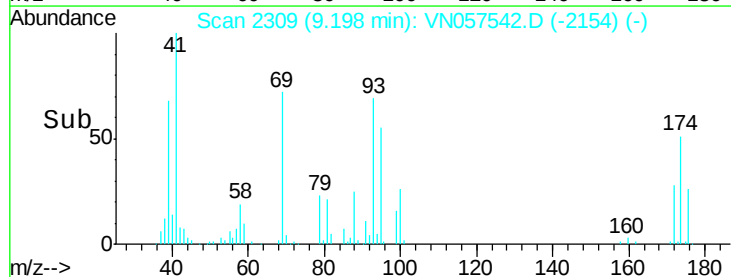
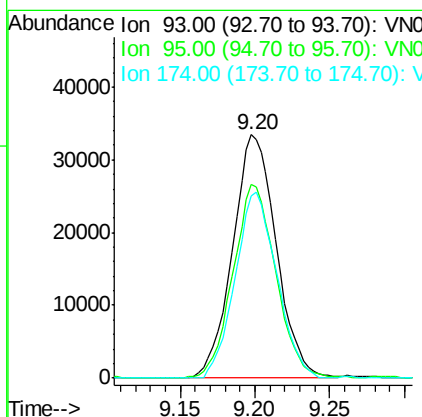
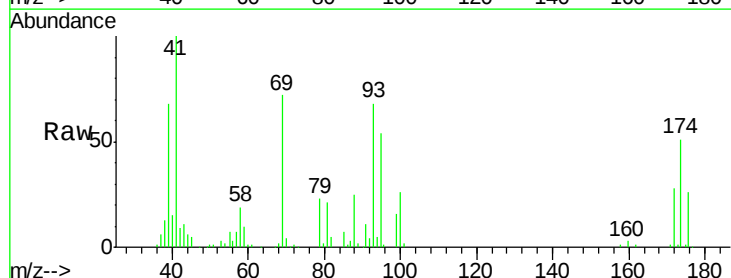
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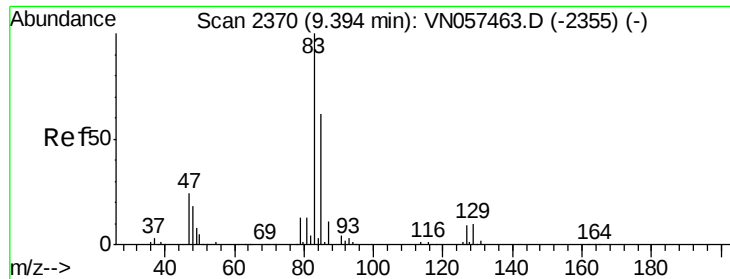
MMDadoda
 8/28/2019 4:26:34 PM



#40
 Dibromomethane
 Concen: 19.783 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 93 Resp: 68013
 Ion Ratio Lower Upper
 93 100
 95 77.7 0.0 160.8
 174 72.7 0.0 157.2





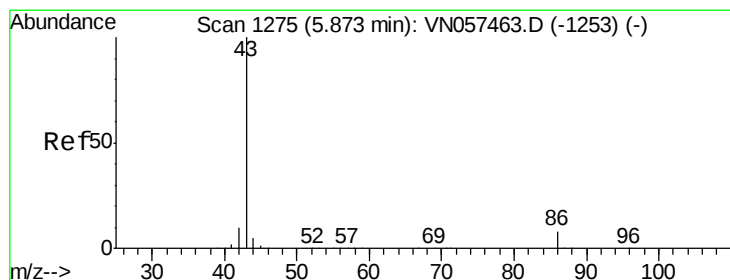
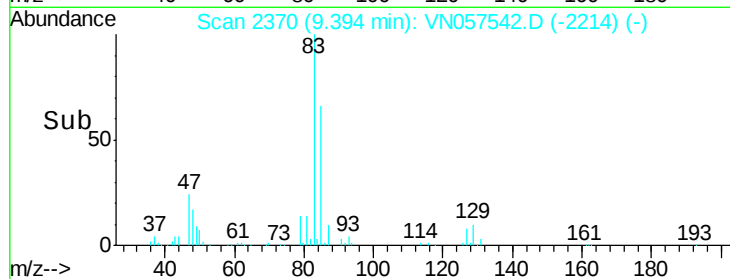
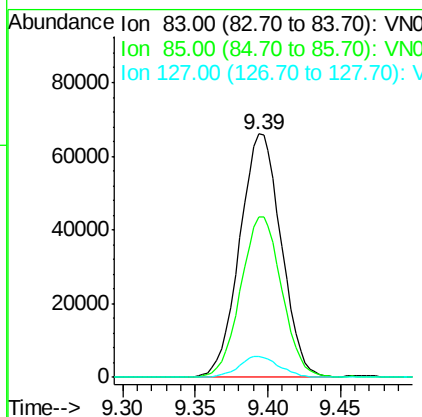
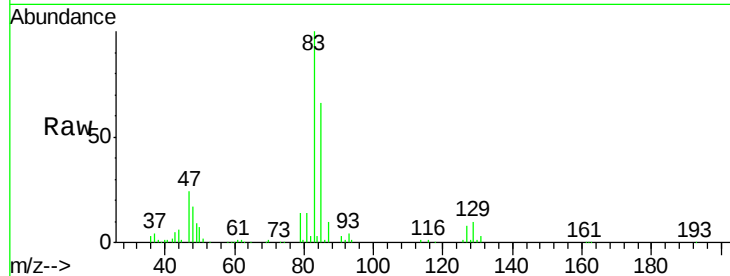
#41
Bromodichloromethane
Concen: 18.024 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	131420
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	49.8	74.8
127	8.5	7.6	11.4

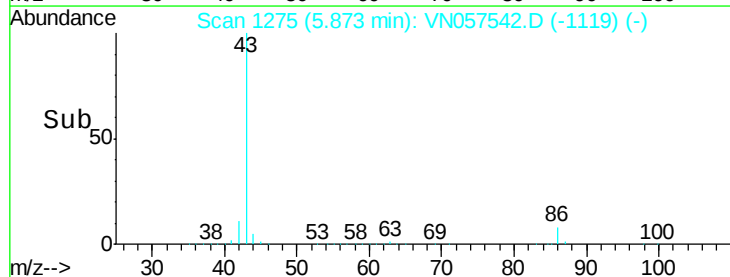
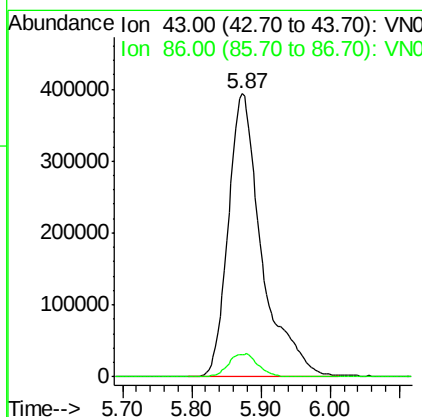
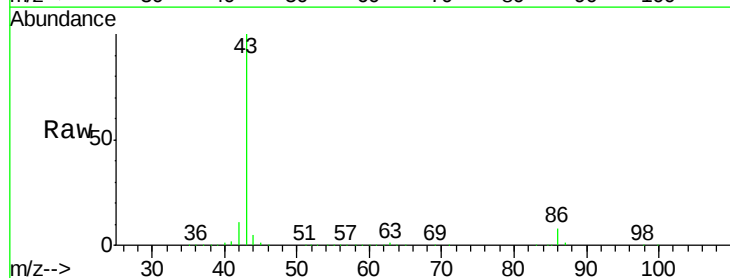
Manual Integrations
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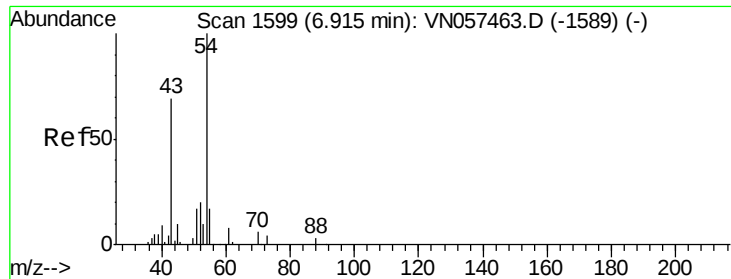
MMDadoda
8/28/2019 4:26:34 PM



#42
Vinyl Acetate
Concen: 91.531 ug/l
RT: 5.87 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	43	Resp	1324921
Ion Ratio	100	Lower	Upper
43	100		
86	7.2	5.7	8.5





#43

Ethyl Acetate

Concen: 19.429 ug/l

RT: 6.92 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 122330

Ion Ratio Lower Upper

43 100

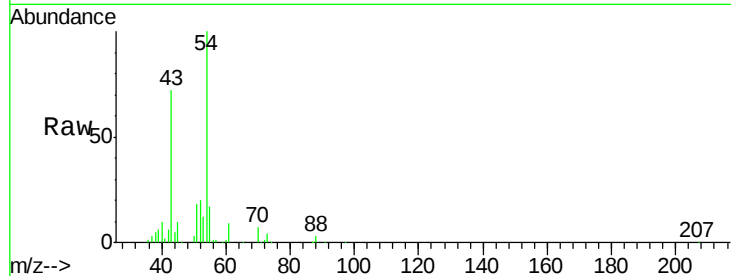
45 12.8 11.0 16.4

Manual Integrations

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8/28/2019 4:26:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

120000

100000

80000

60000

40000

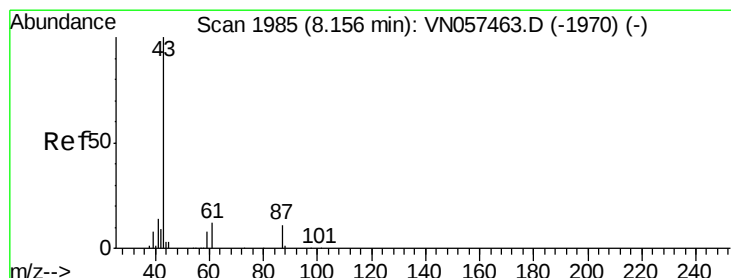
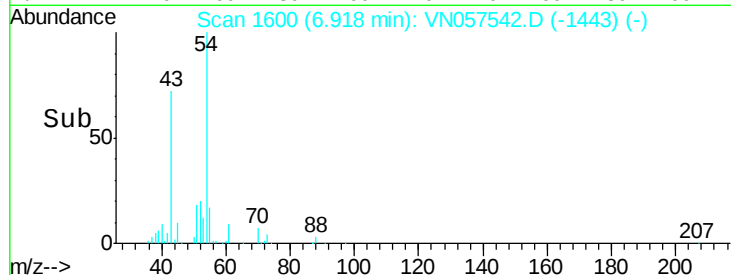
20000

0

6.90

7.00

Time-->



#44

Isopropyl Acetate

Concen: 17.785 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057542.D

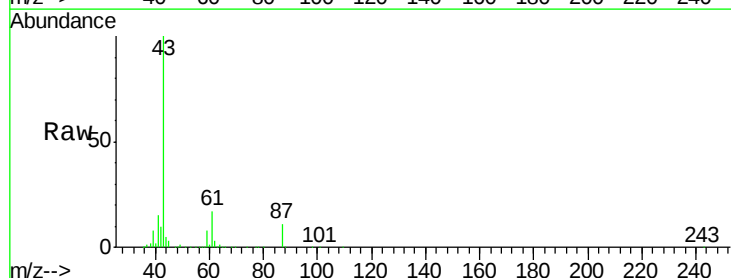
Acq: 27 Aug 2019 9:13

Tgt Ion: 43 Resp: 213761

Ion Ratio Lower Upper

43 100

61 18.3 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

40000

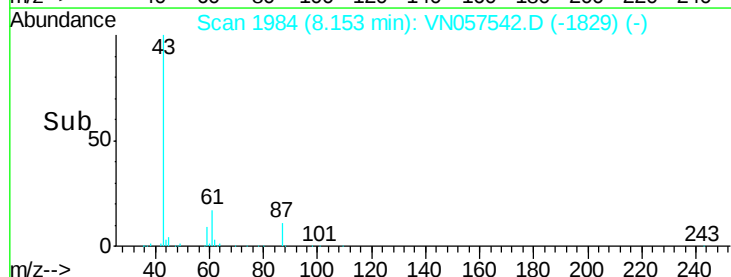
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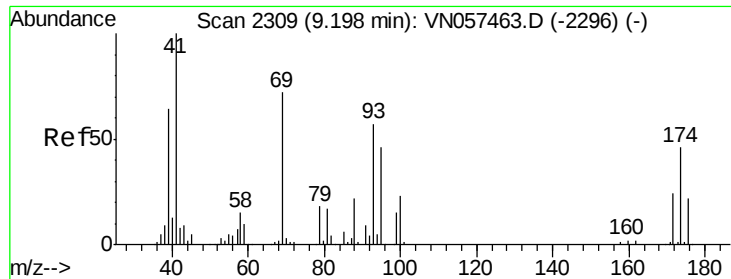
0

8.10

8.20

Time-->





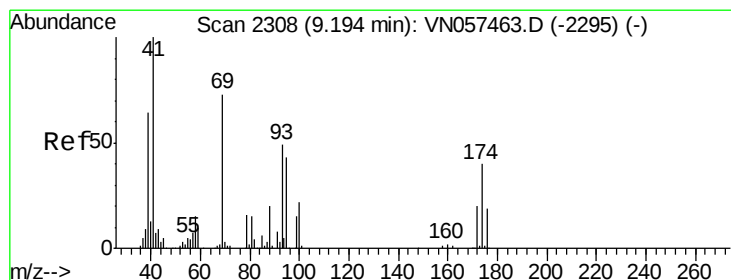
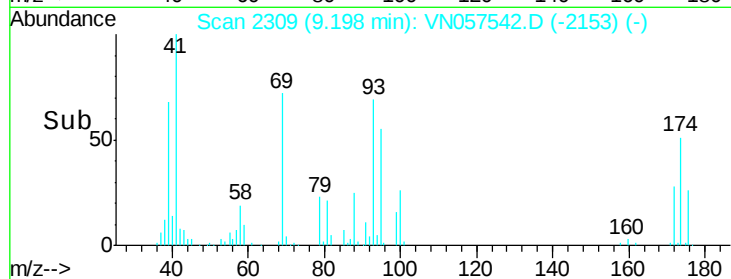
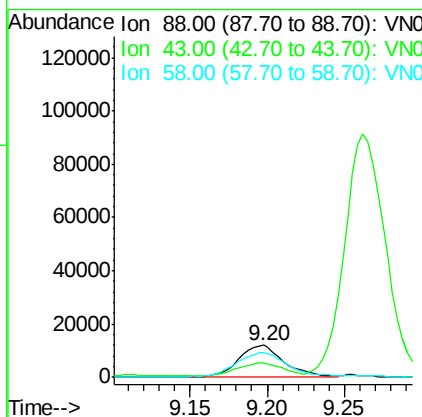
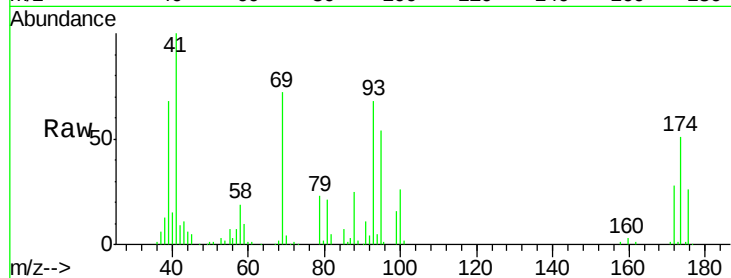
#45
 1,4-Dioxane
 Concen: 350.636 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	88	Resp	25331
Ion	Ratio	Lower	Upper
88	100		
43	37.7	29.8	44.6
58	81.7	62.2	93.2

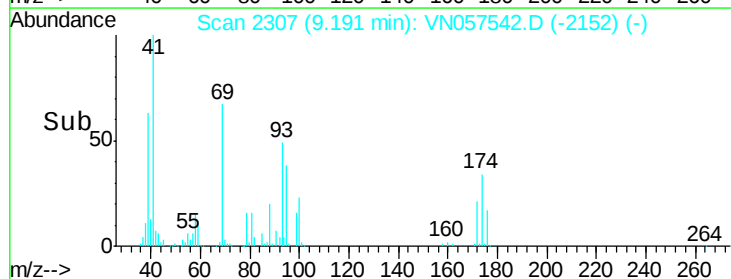
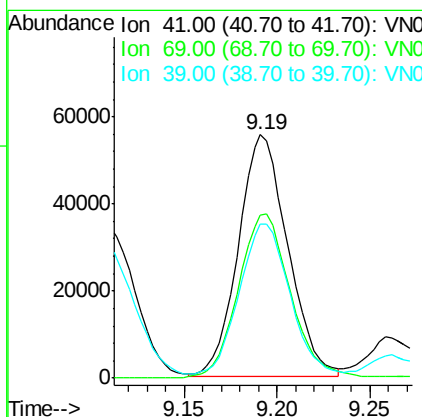
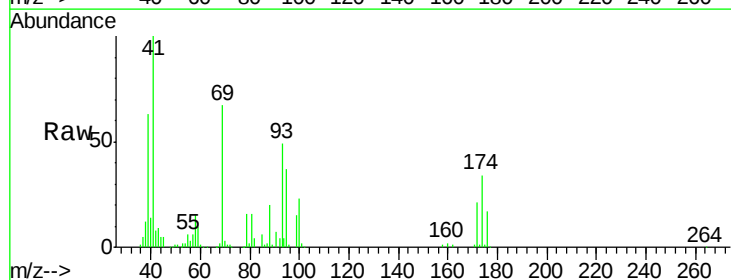
Manual Integrations
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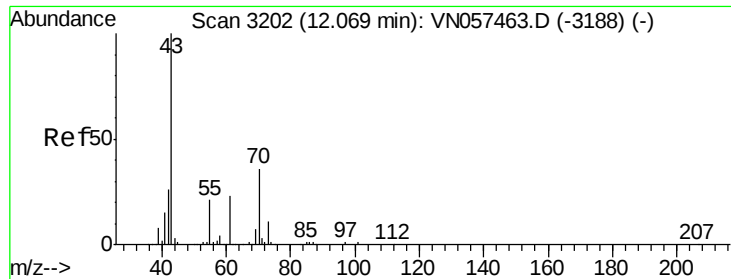
MMDadoda
 8/28/2019 4:26:34 PM



#46
 Methyl methacrylate
 Concen: 17.959 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion	41	Resp	102506
Ion	Ratio	Lower	Upper
41	100		
69	67.3	36.5	109.5
39	62.5	32.1	96.3





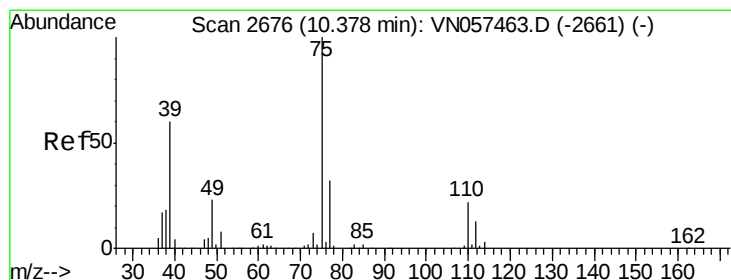
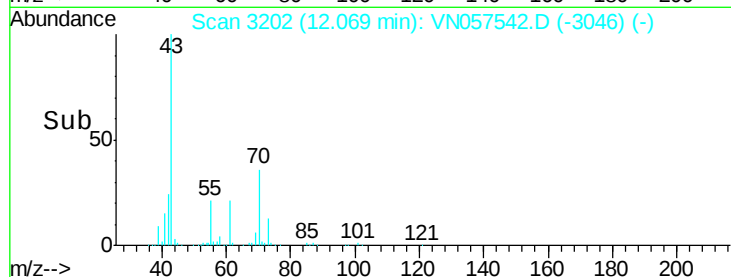
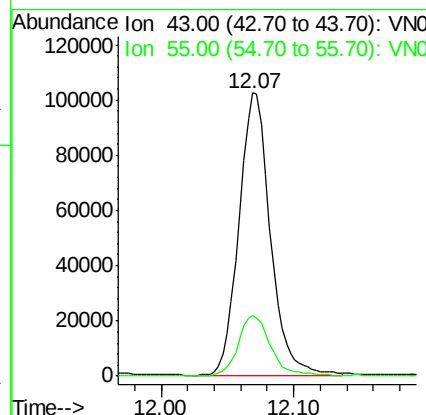
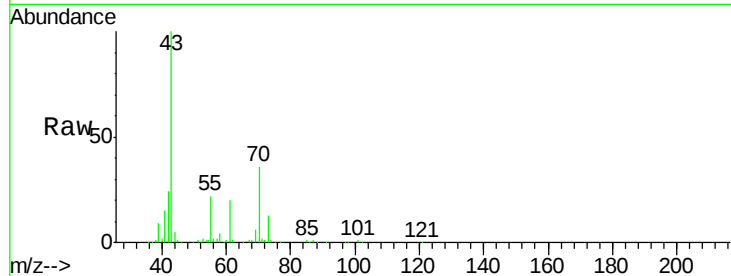
#47
n-amyl Acetate
Concen: 17.457 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	Resp	168867
Ion Ratio	43	100	Lower Upper
	55	22.3	17.0 25.6

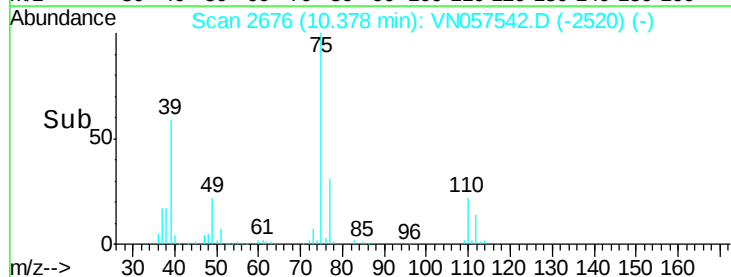
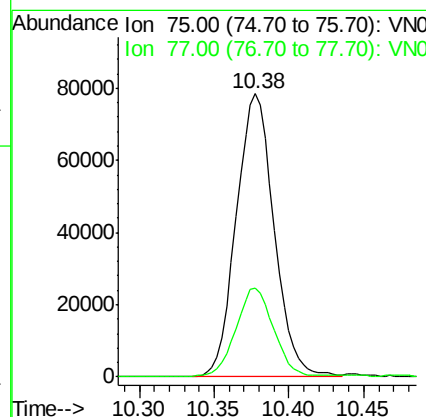
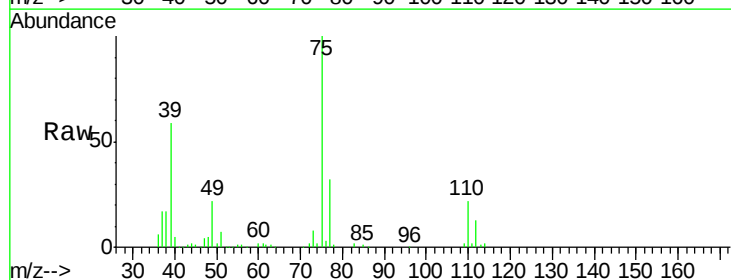
Manual Integrations
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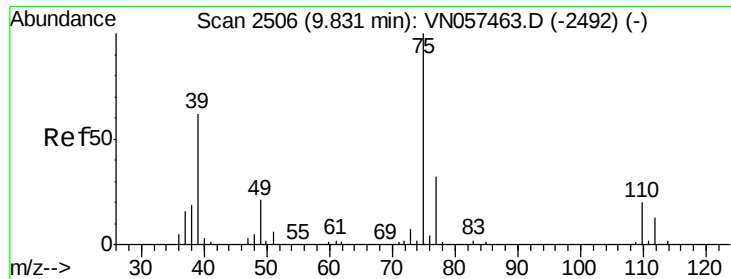
MMDadoda
8/28/2019 4:26:34 PM



#48
t-1,3-Dichloropropene
Concen: 17.961 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	75	Resp	138354
Ion Ratio	75	100	Lower Upper
	77	31.3	25.7 38.5





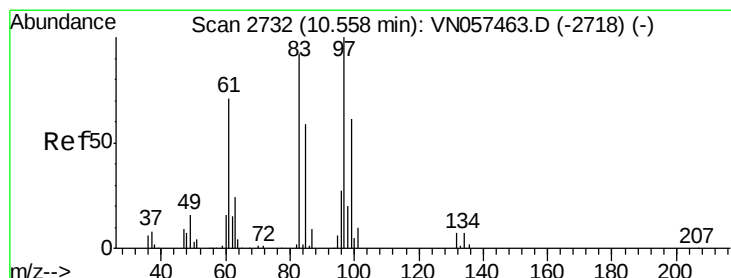
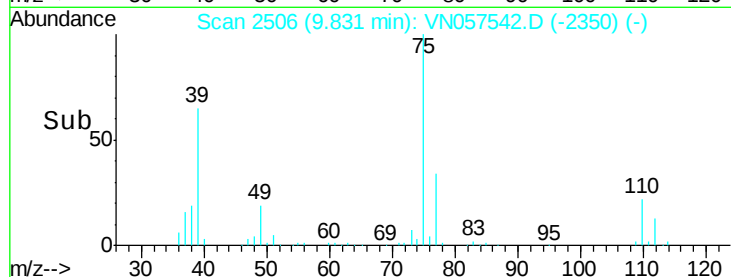
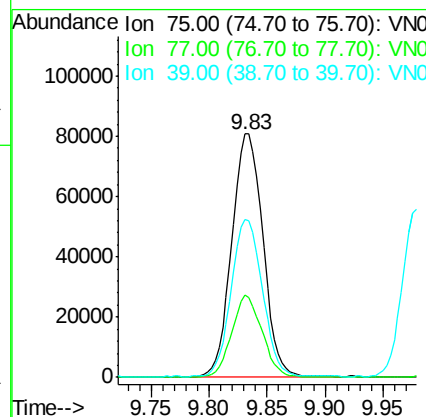
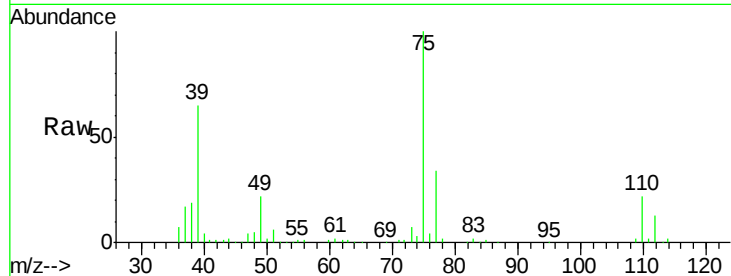
#49
 cis-1,3-Dichloropropene
 Concen: 17.804 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.4	38.0
39	64.7	49.8	74.6

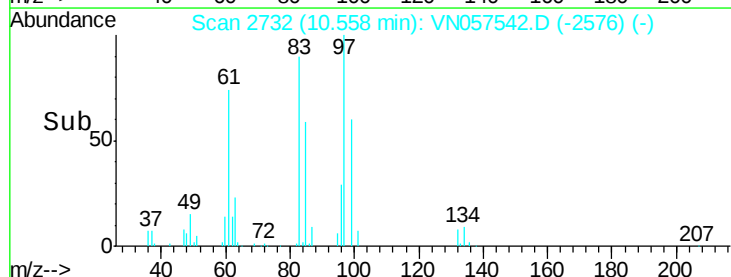
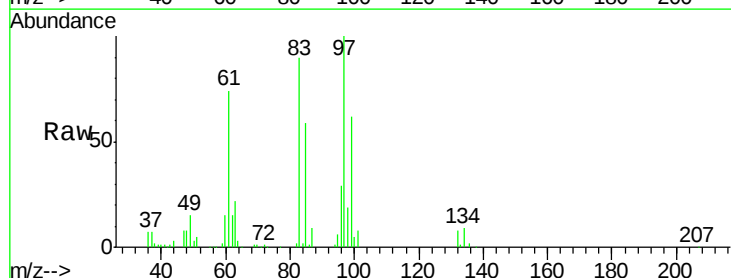
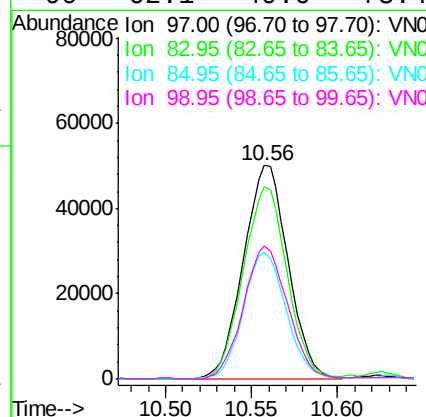
Manual Integrations
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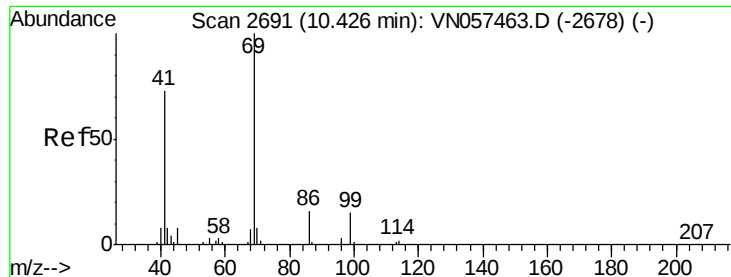
MMDadoda
 8/28/2019 4:26:34 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.052 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	73.2	109.8
85	59.2	47.1	70.7
99	62.1	49.0	73.4





#51

Ethyl methacrylate

Concen: 18.014 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

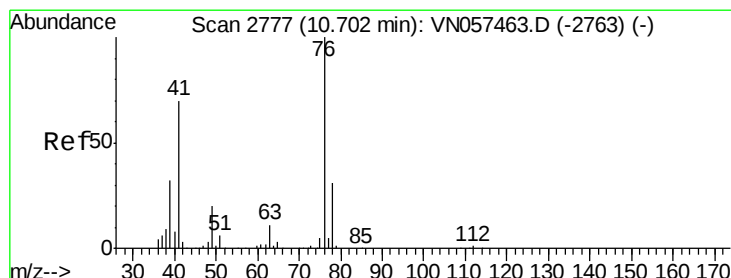
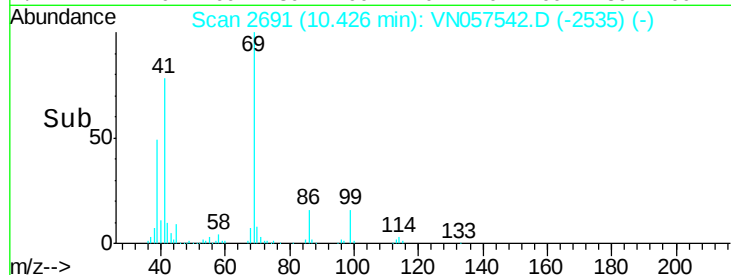
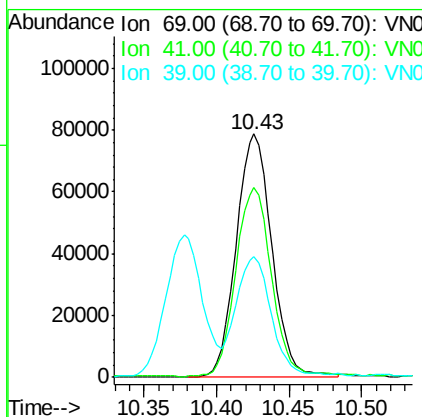
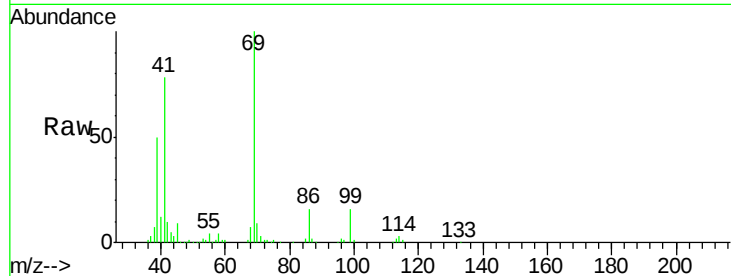
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	134994
Ion	Ratio	Lower	Upper
69	100		
41	77.7	37.0	111.1
39	47.8	24.4	73.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.155 ug/l

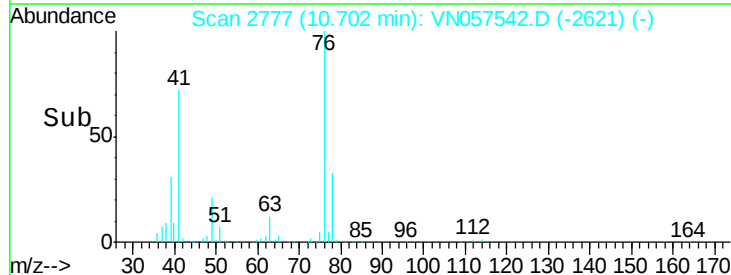
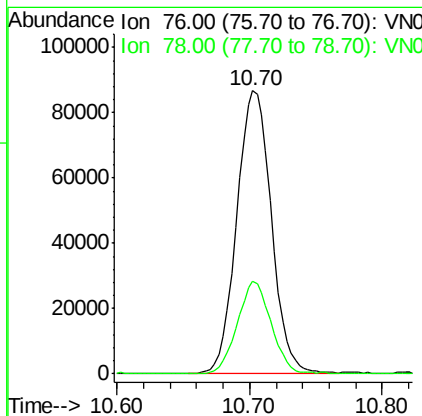
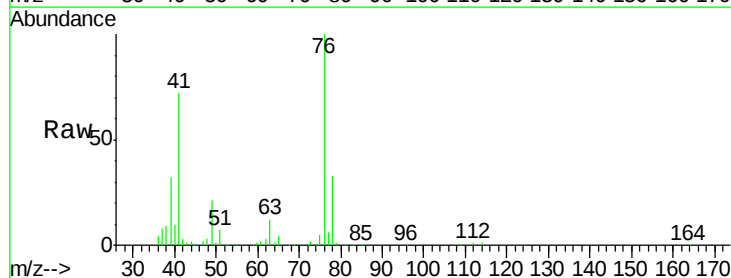
RT: 10.70 min Scan# 2777

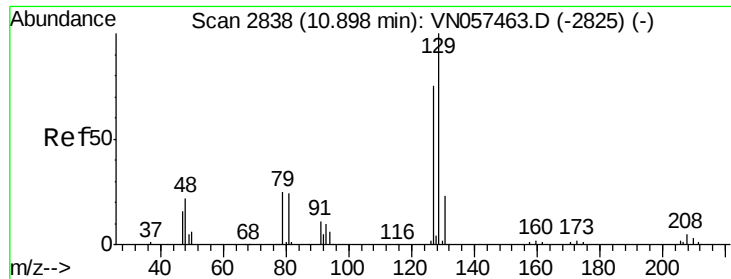
Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion:	76	Resp:	157433
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.0





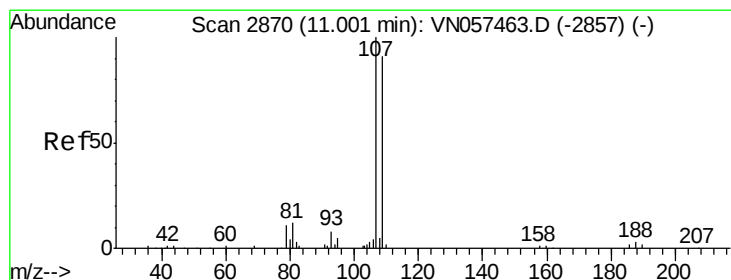
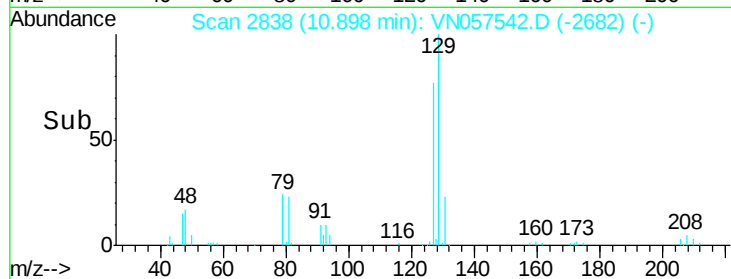
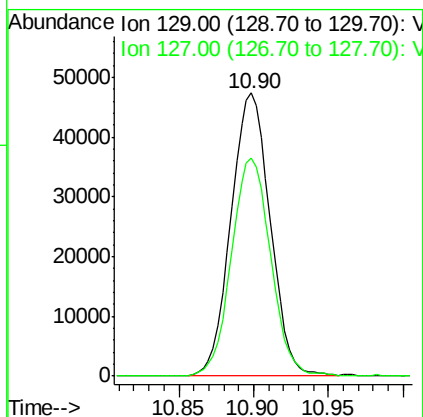
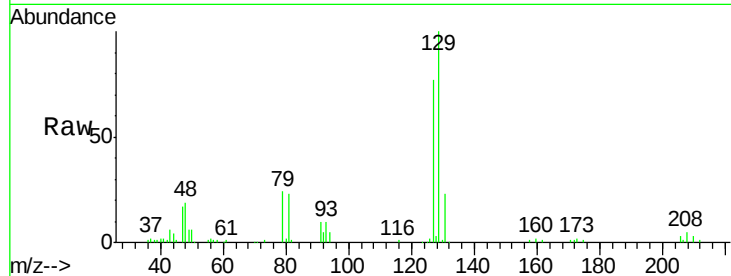
#53
Dibromochloromethane
Concen: 17.996 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.1	114.3

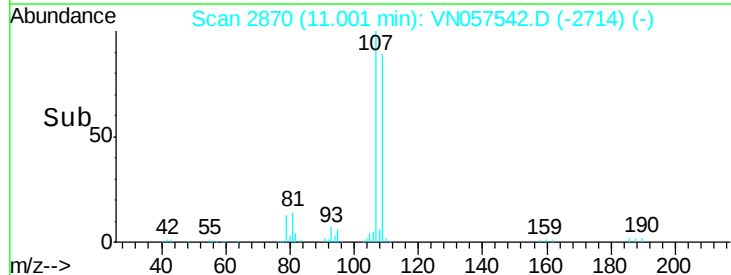
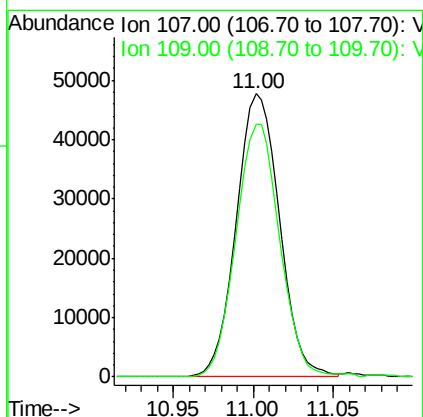
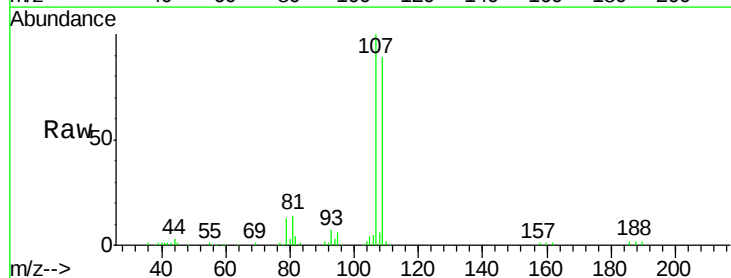
Manual Integrations
APPROVED

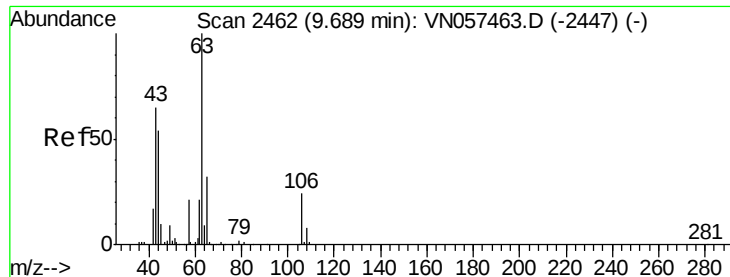
MMDadoda
8/28/2019 4:26:34 PM



#54
1,2-Dibromoethane
Concen: 19.119 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.3	73.2	109.8





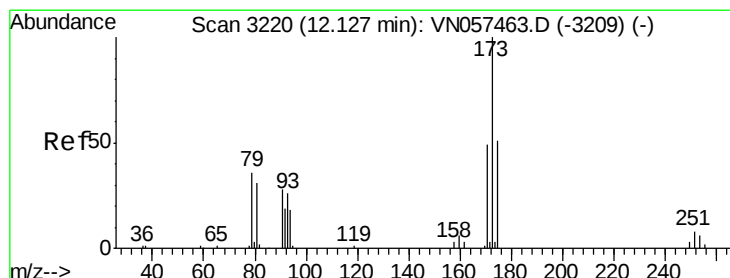
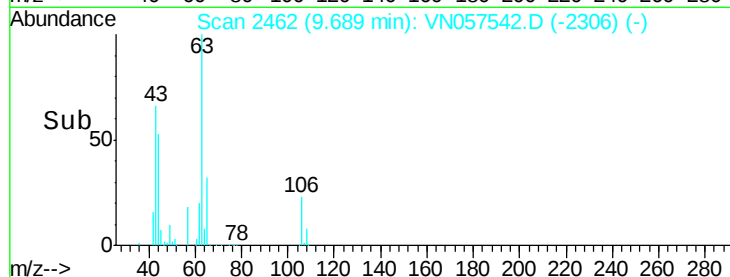
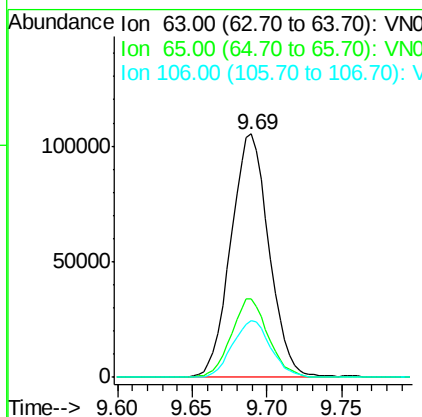
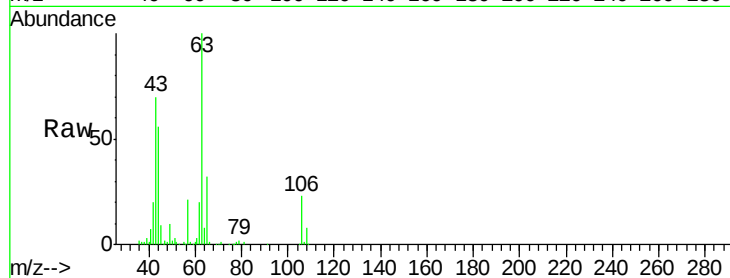
#55
2-Chloroethyl vinyl ether
Concen: 101.122 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.1	37.7
106	23.3	18.7	28.1

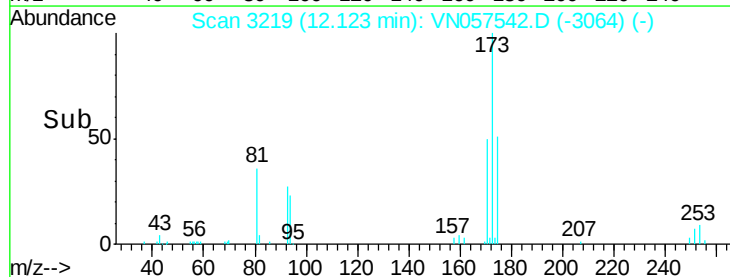
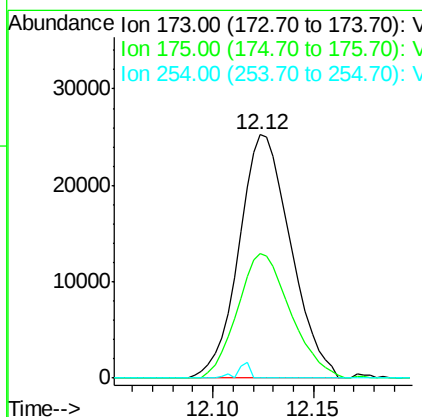
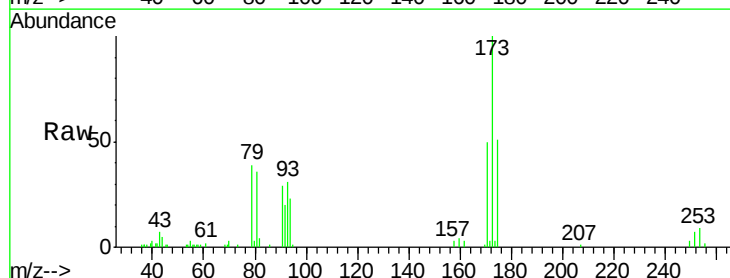
Manual Integrations
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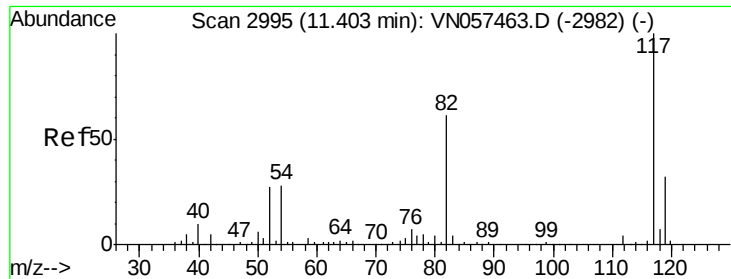
MMDadoda
8/28/2019 4:26:34 PM



#56
Bromoform
Concen: 15.809 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	52.2	40.1	60.1
254	1.2	0.0	0.0#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

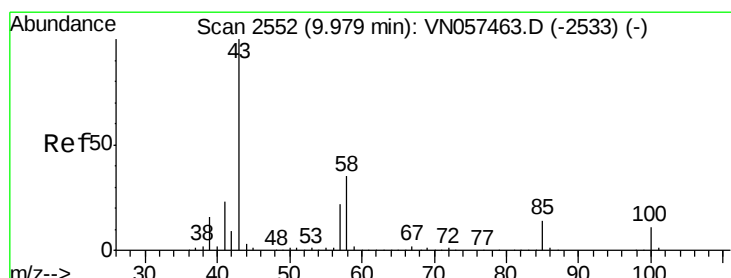
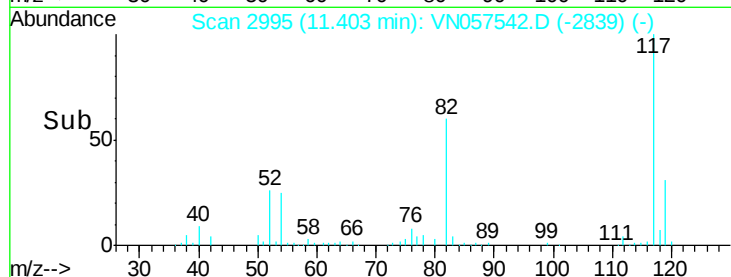
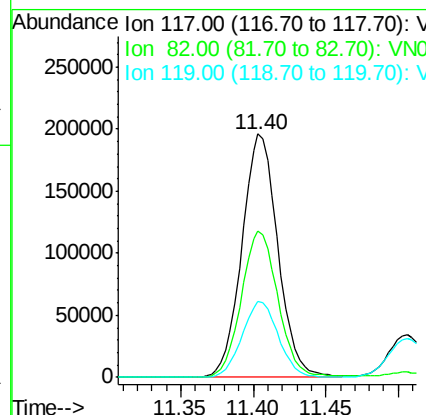
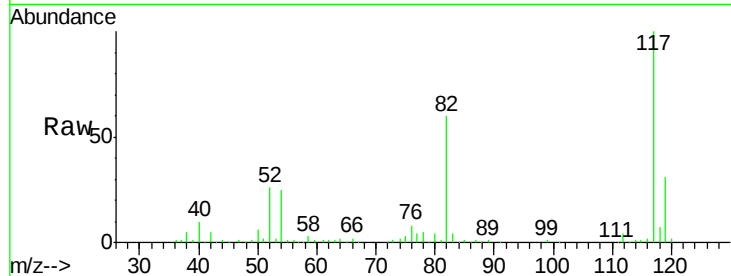
ClientSampled :

VSTDCCC020

Tot Ion:	117	Resp:	338005
Ion Ratio	Lower	Upper	
117	100		
82	61.3	50.4	75.6
119	31.5	25.4	38.2

Manual Integrations
APPROVED

MMDadoda
8/28/2019 4:26:34 PM



#58

4-Methyl-2-Pentanone

Concen: 93.058 ug/l

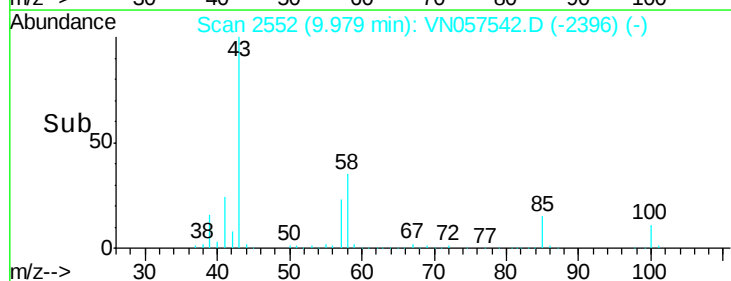
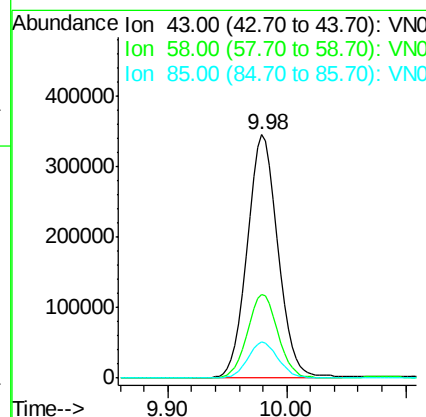
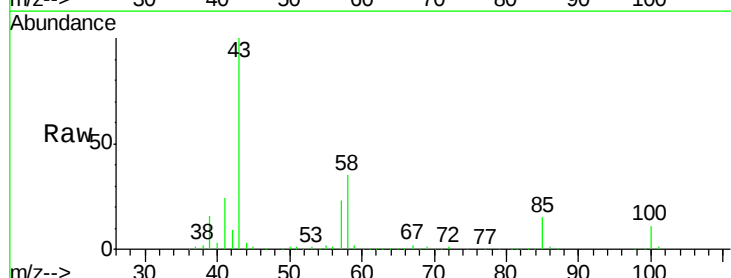
RT: 9.98 min Scan# 2552

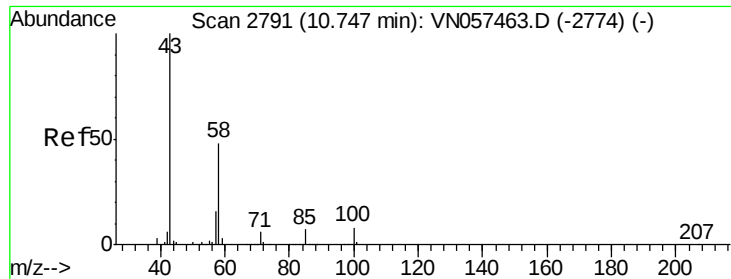
Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion:	43	Resp:	617057
Ion Ratio	Lower	Upper	
43	100		
58	34.3	28.0	42.0
85	14.8	11.3	16.9





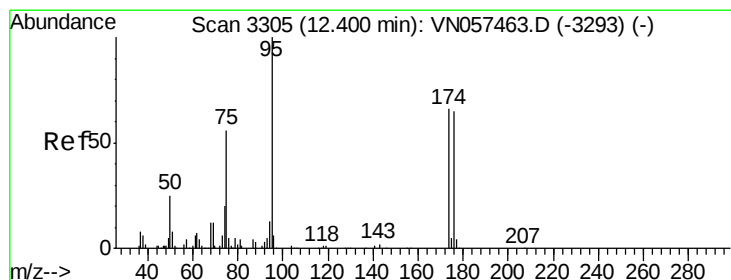
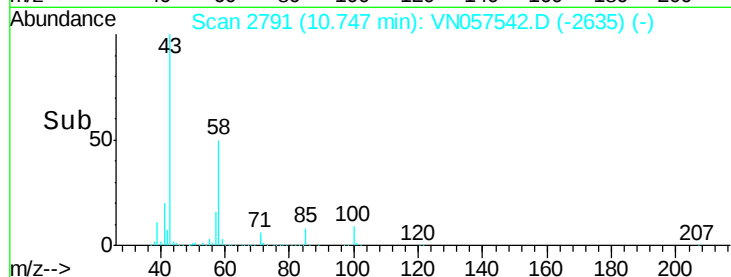
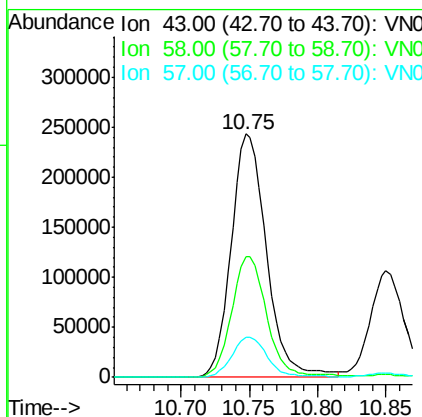
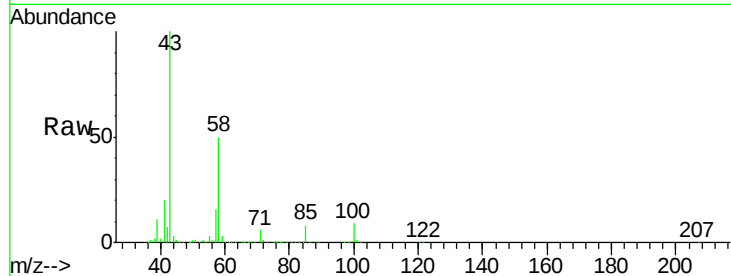
#59
2-Hexanone
Concen: 94.304 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	38.9	58.3
57	17.0	13.0	19.4

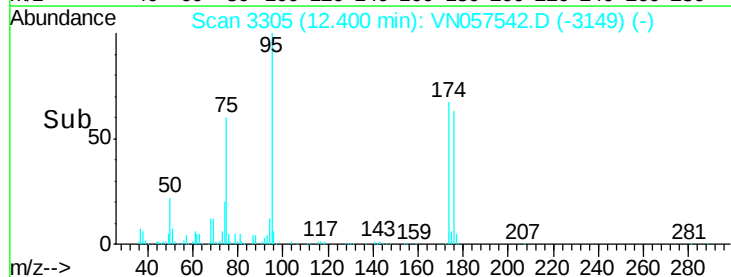
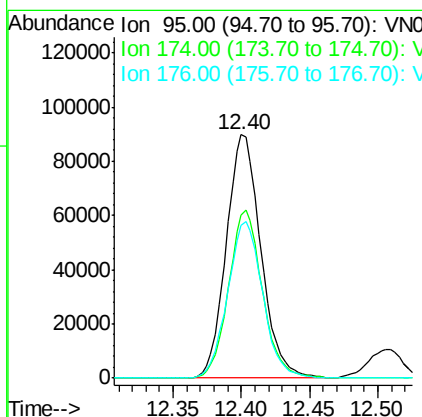
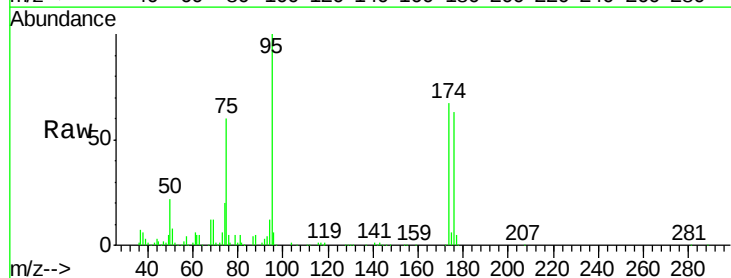
Manual Integrations
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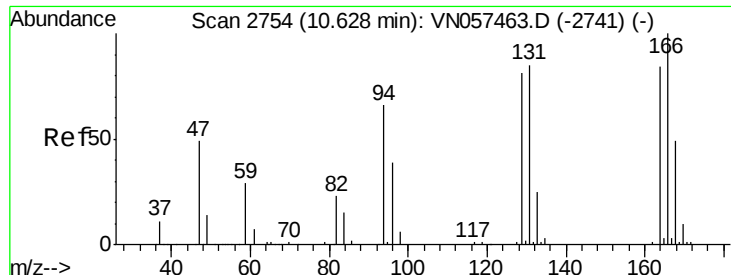
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.452 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.1	54.9	82.3
176	64.8	54.2	81.4





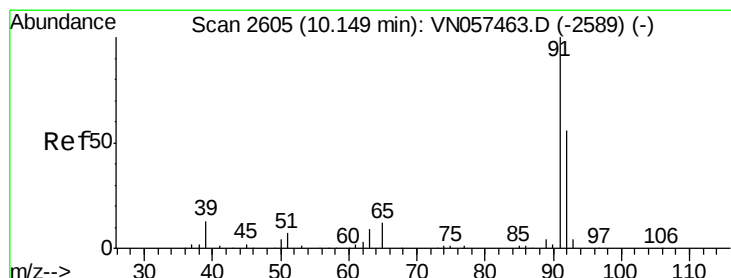
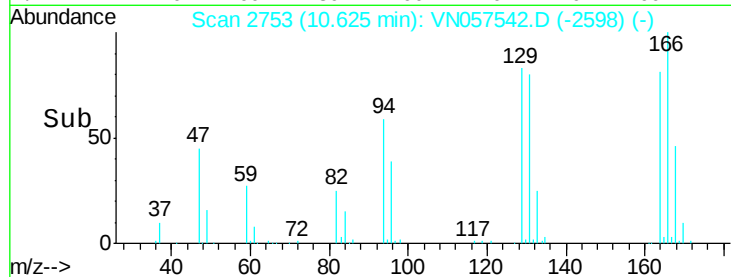
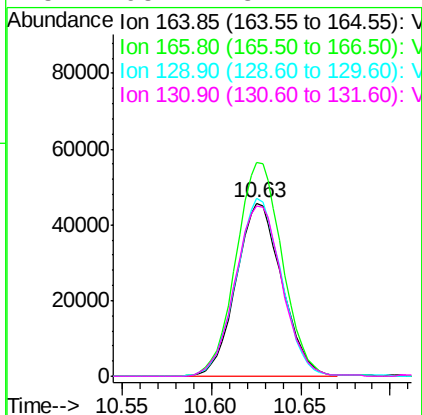
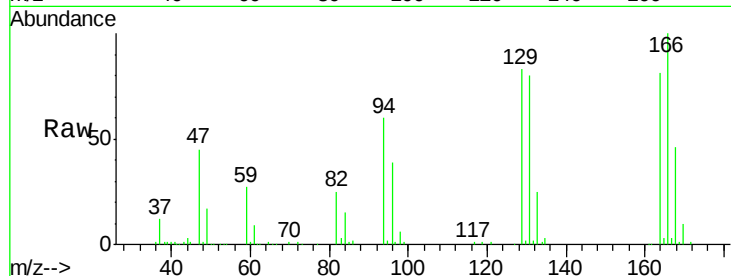
#61
Tetrachloroethene
Concen: 21.148 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.8	95.8	143.6
129	102.0	77.2	115.8
131	98.4	81.1	121.7

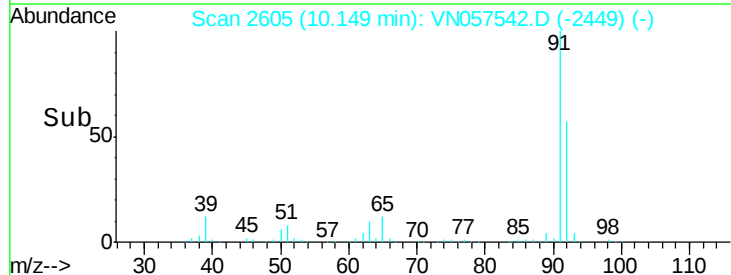
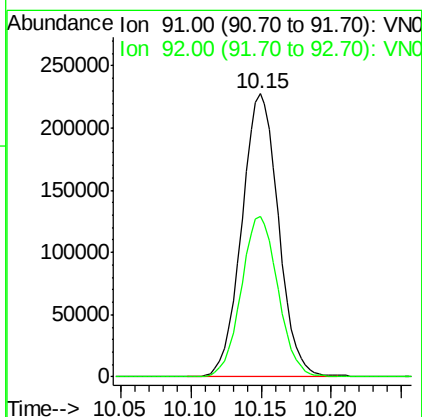
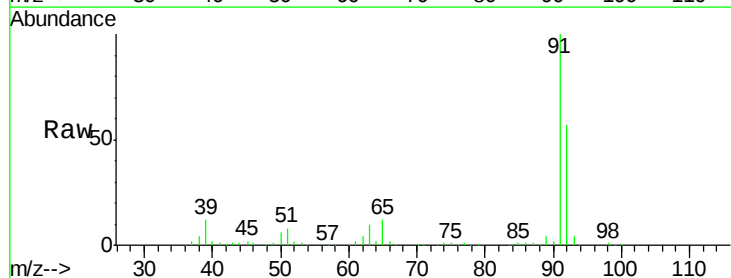
Manual Integrations
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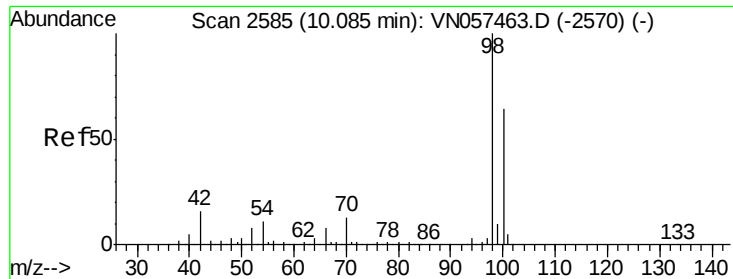
MMDadoda
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#62
Toluene
Concen: 20.077 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.4	68.0





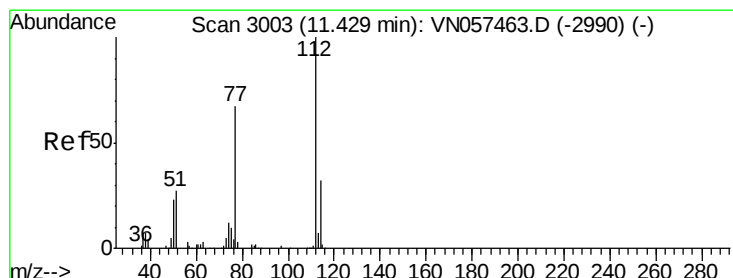
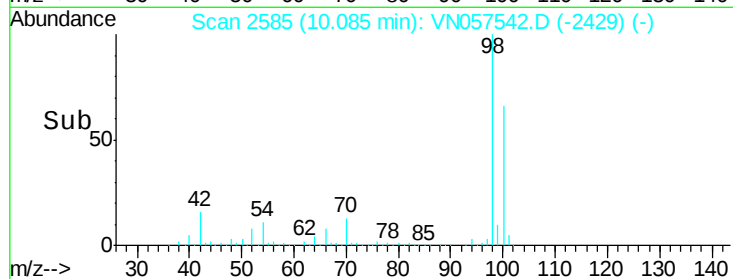
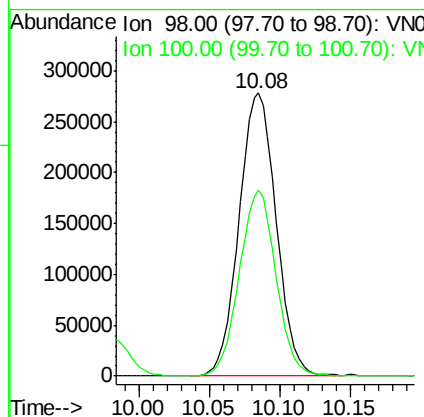
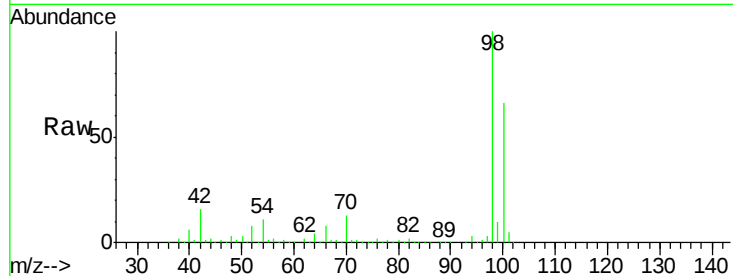
#63
Toluene-d8
Concen: 30.093 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 513664
Ion Ratio Lower Upper
98 100
100 64.8 51.0 76.6

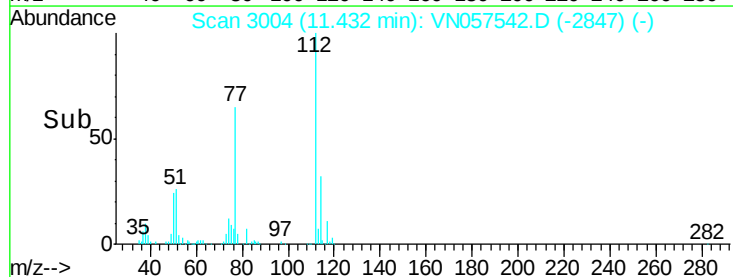
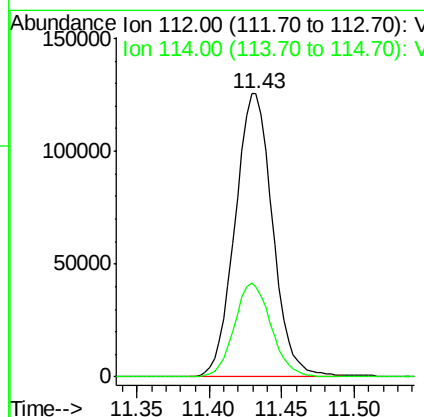
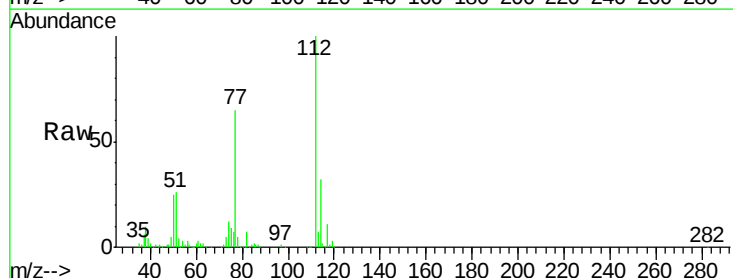
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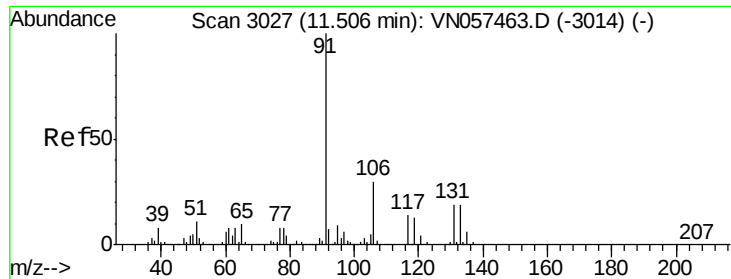
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#64
Chlorobenzene
Concen: 20.147 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion: 112 Resp: 226264
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.611 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

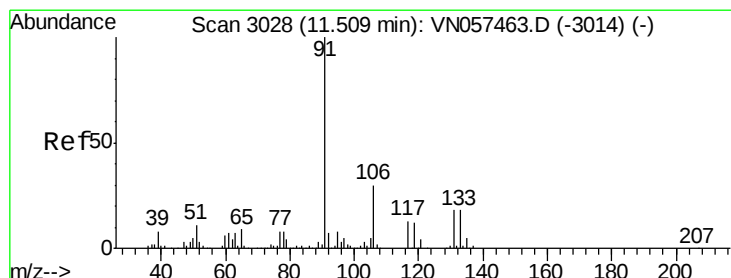
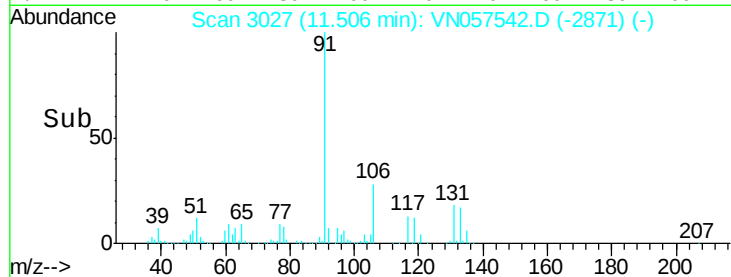
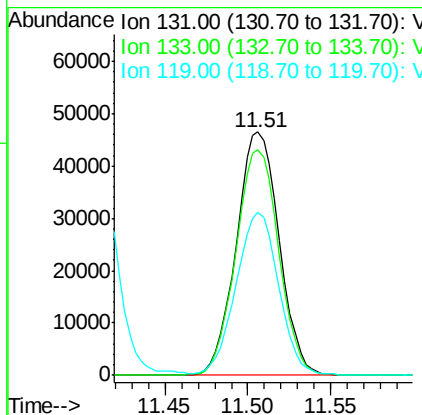
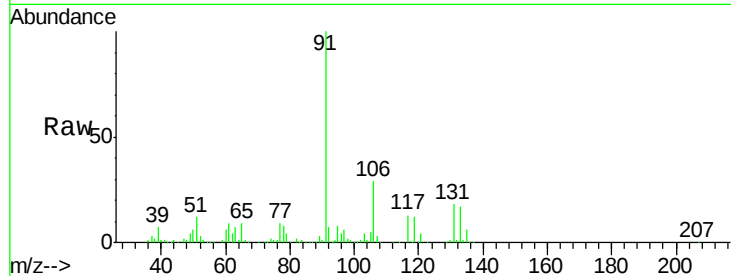
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	83702
Ion Ratio	Lower	Upper	
131	100		
133	92.7	0.0	193.6
119	66.5	0.0	137.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.240 ug/l

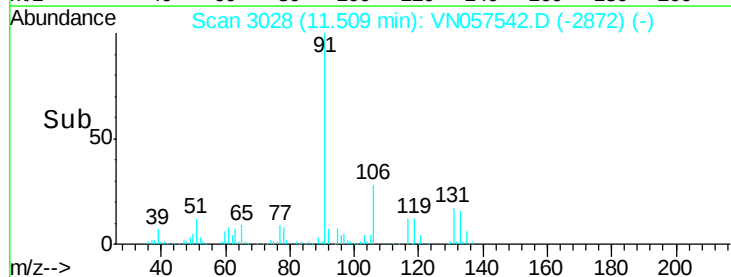
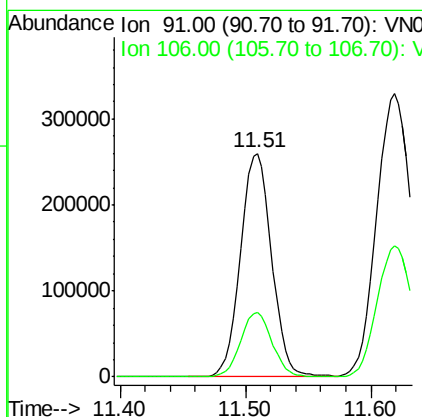
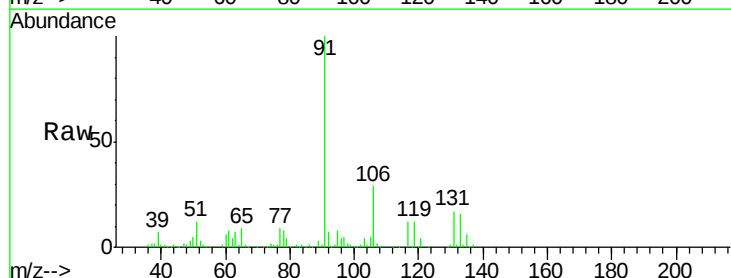
RT: 11.51 min Scan# 3028

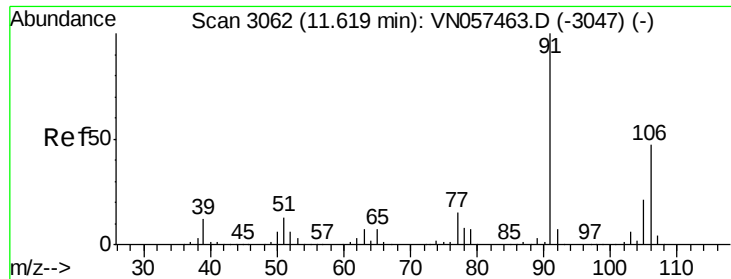
Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion:	91	Resp:	447481
Ion Ratio	Lower	Upper	
91	100		
106	29.0	23.6	35.4





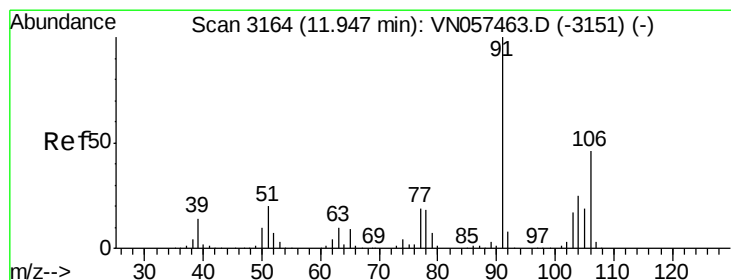
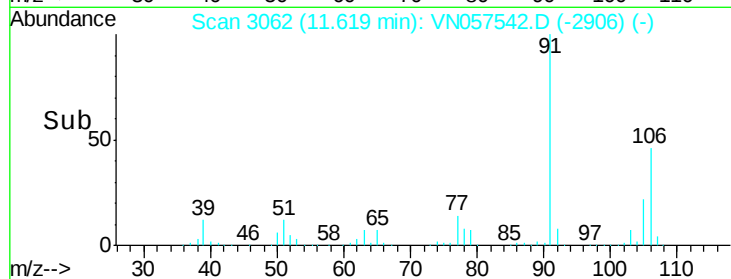
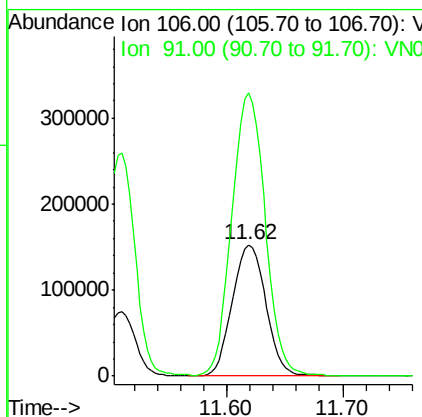
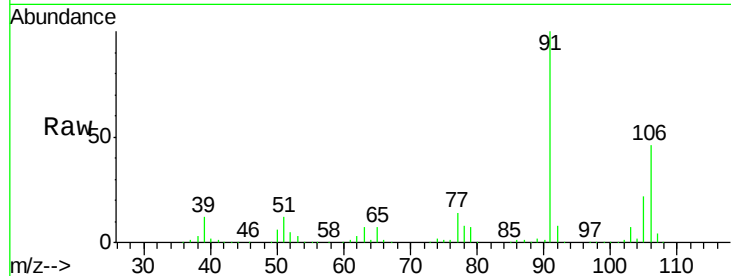
#67
m/p-Xvlenes
Concen: 39.865 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 305696
Ion Ratio Lower Upper
106 100
91 212.9 172.9 259.3

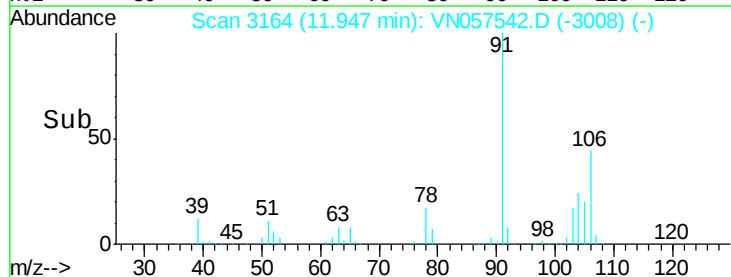
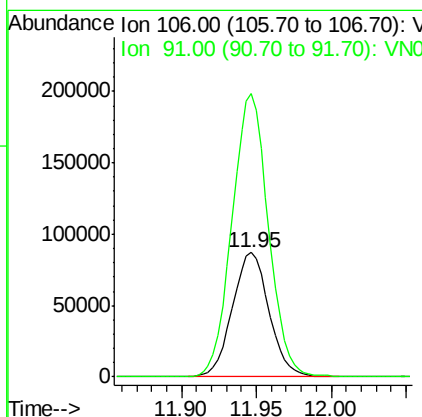
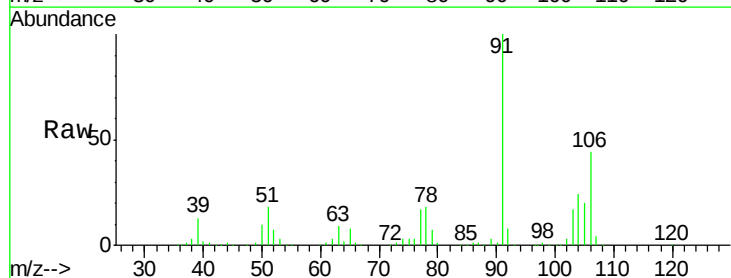
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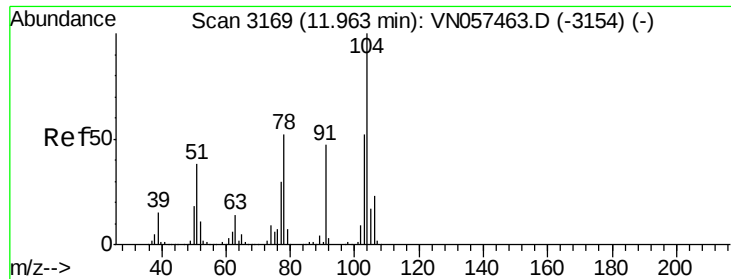
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#68
o-Xylene
Concen: 19.670 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion:106 Resp: 149060
Ion Ratio Lower Upper
106 100
91 225.3 111.1 333.4





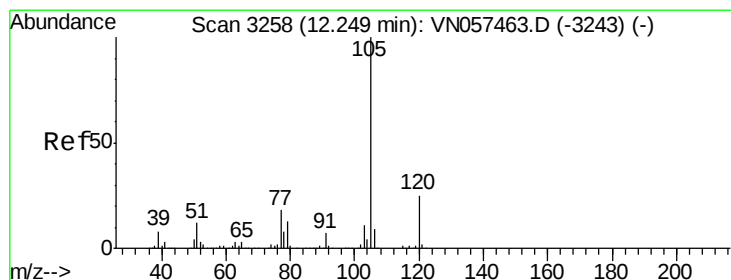
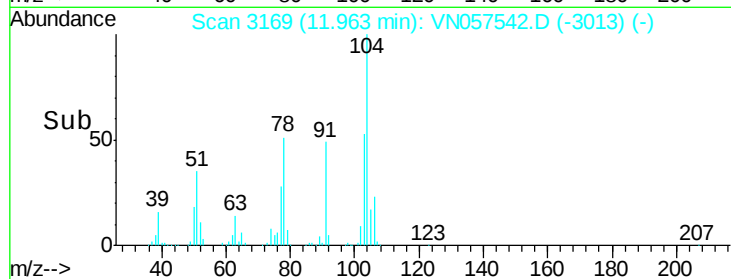
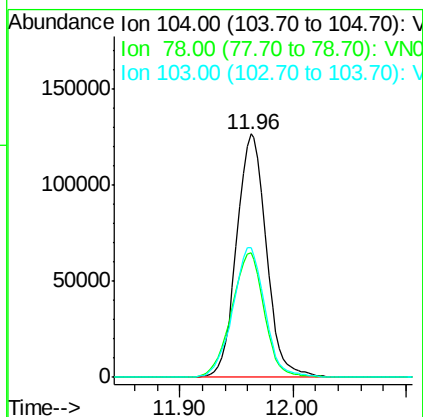
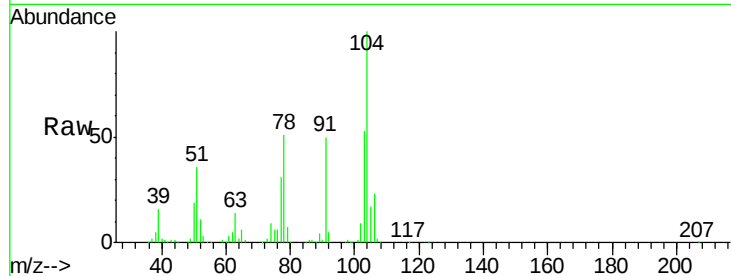
#69
Stvrene
Concen: 19.180 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	232195		
78	55.9	46.5	69.7	
103	57.7	45.9	68.9	

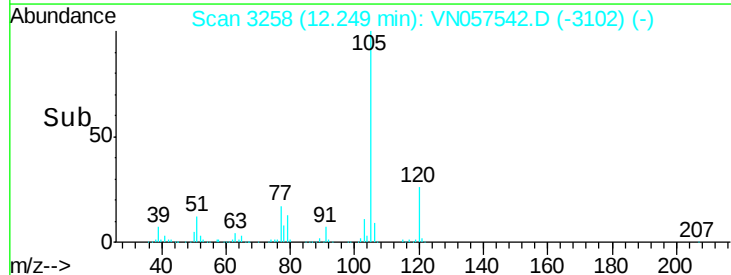
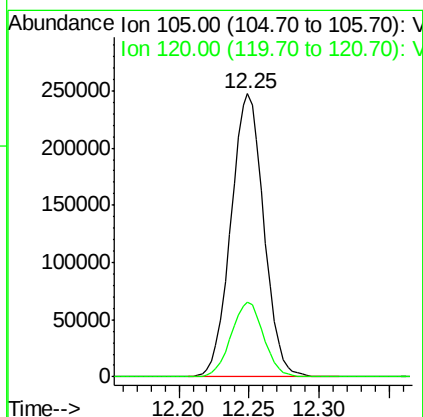
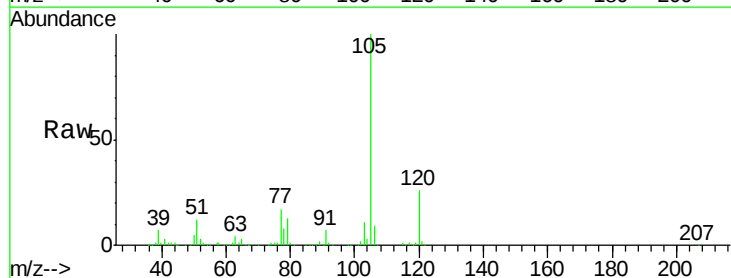
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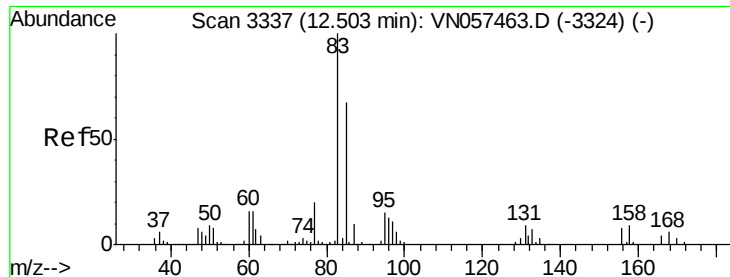
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#70
Isopropylbenzene
Concen: 19.916 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	403738		
120	26.1	17.8	33.1	





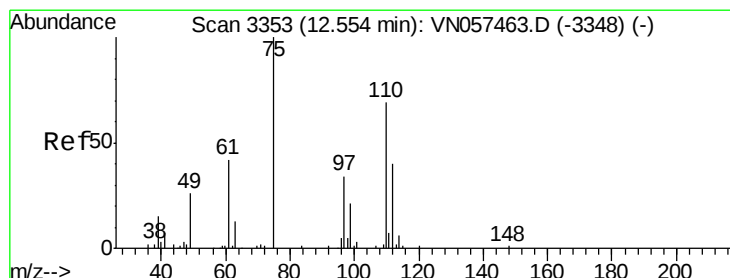
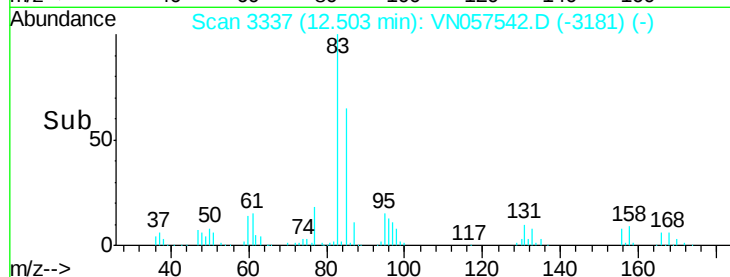
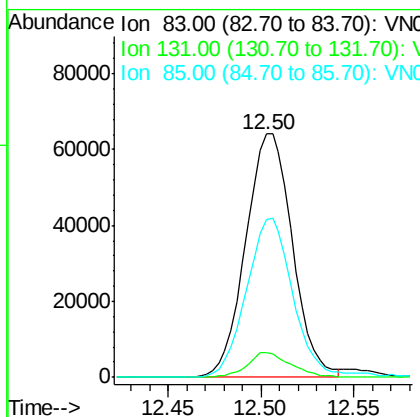
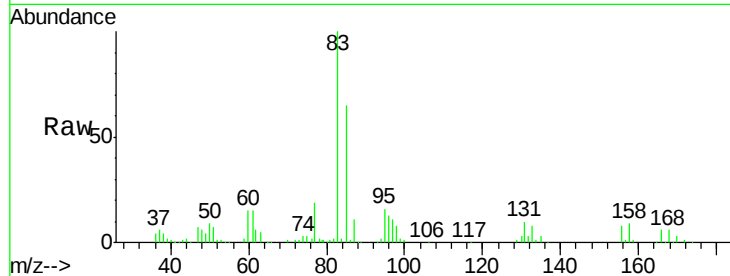
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.158 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.6	4.7	14.1	
85	64.7	33.1	99.2	

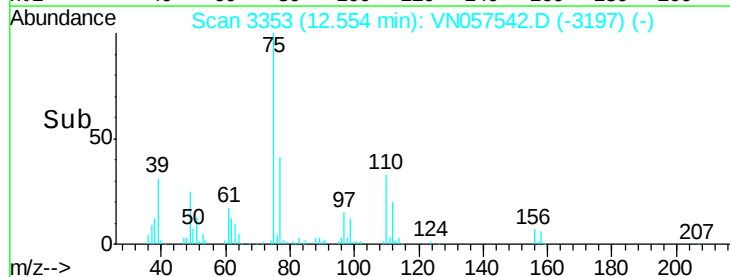
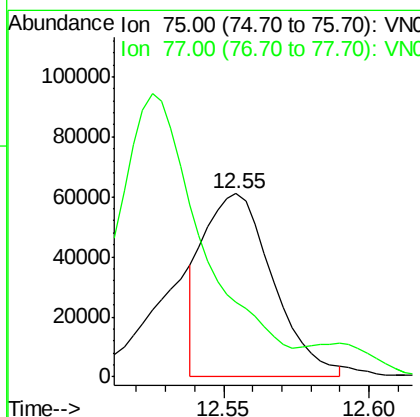
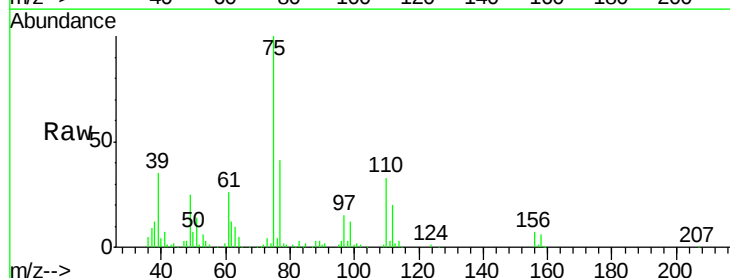
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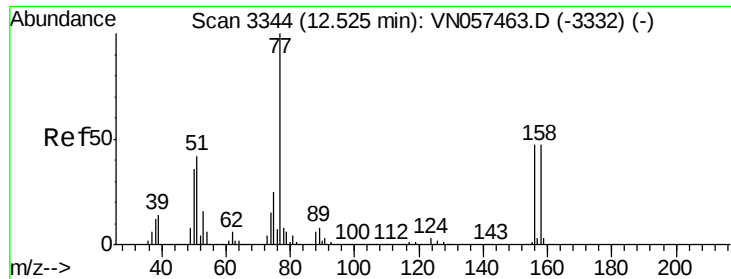
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#72
 1,2,3-Trichloropropane
 Concen: 18.964 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	193.9	0.0	380.2	





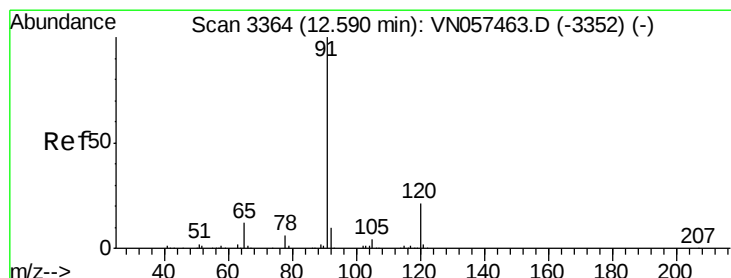
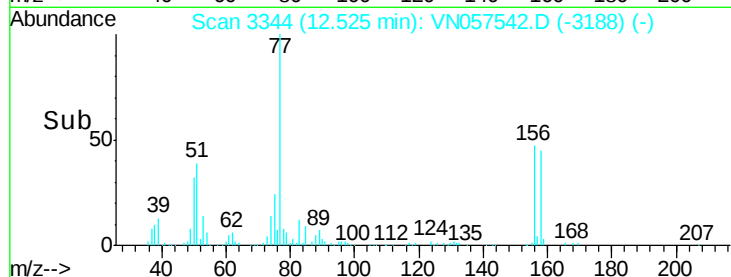
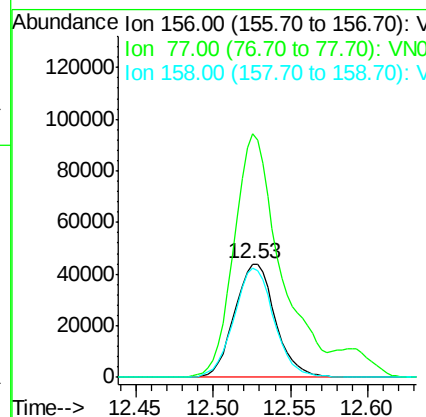
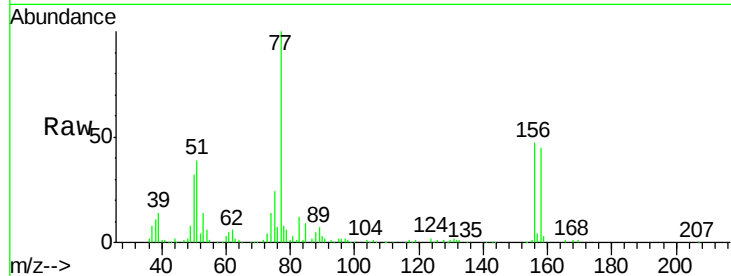
#73
Bromobenzene
Concen: 19.609 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	243.2	0.0	506.8
158	94.7	0.0	196.6

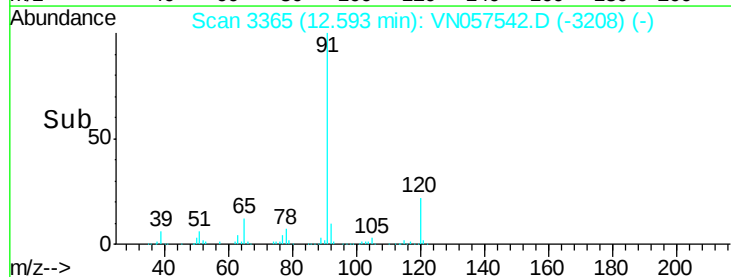
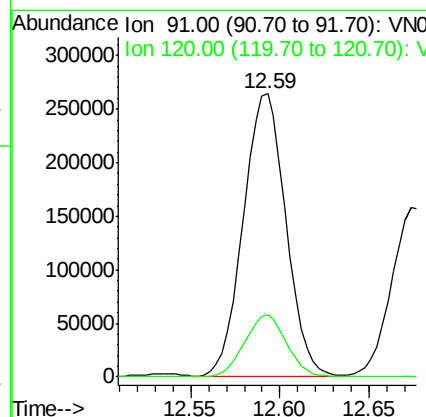
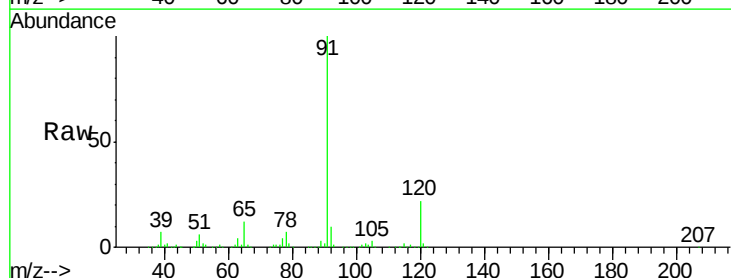
Manual Integrations
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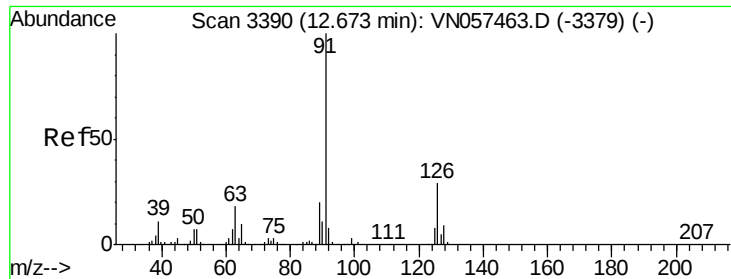
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#74
n-propylbenzene
Concen: 19.188 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	0.0	42.2





#75

2-Chlorotoluene

Concen: 19.776 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 269230

Ion Ratio Lower Upper

91 100

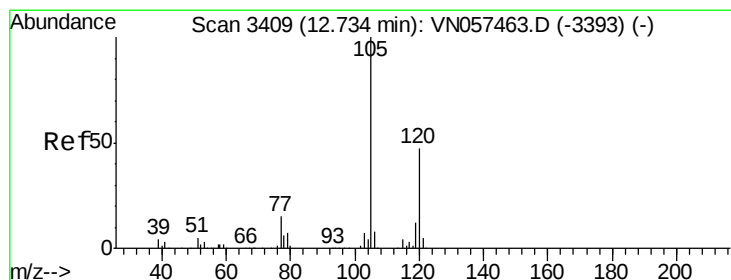
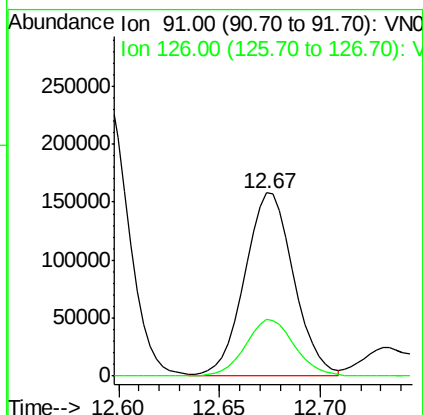
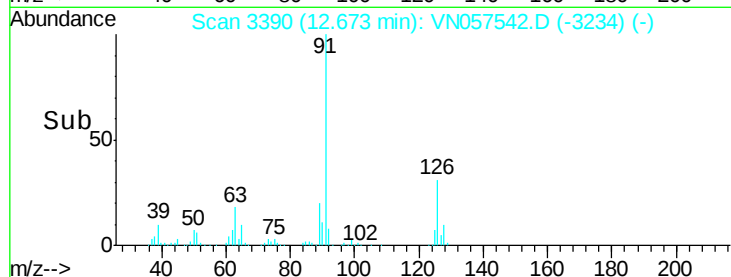
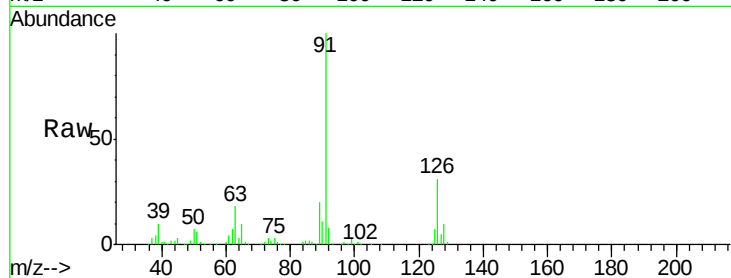
126 30.8 0.0 60.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.087 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057542.D

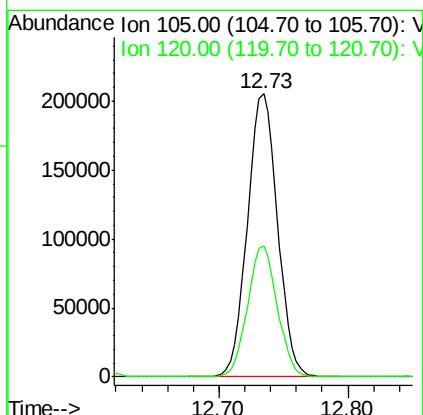
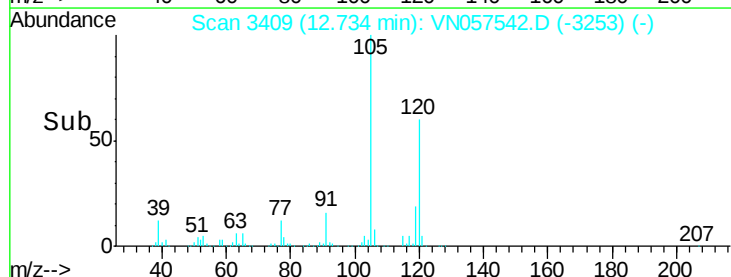
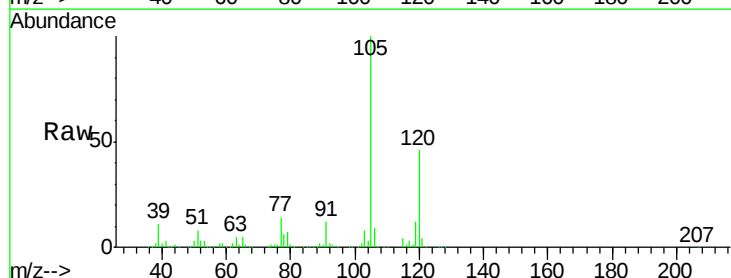
Acq: 27 Aug 2019 9:13

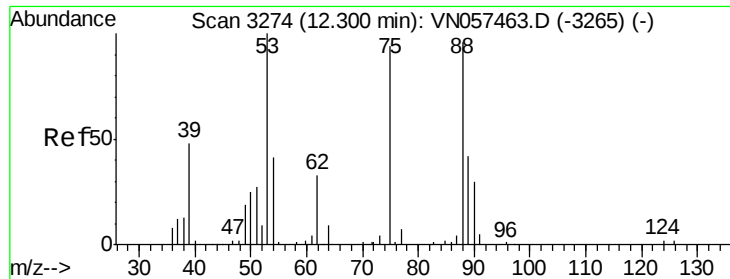
Tgt Ion: 105 Resp: 334193

Ion Ratio Lower Upper

105 100

120 45.6 0.0 94.4





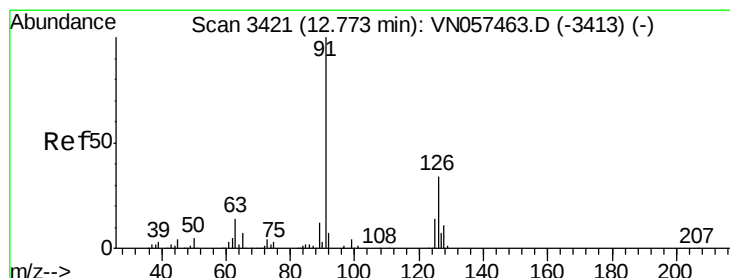
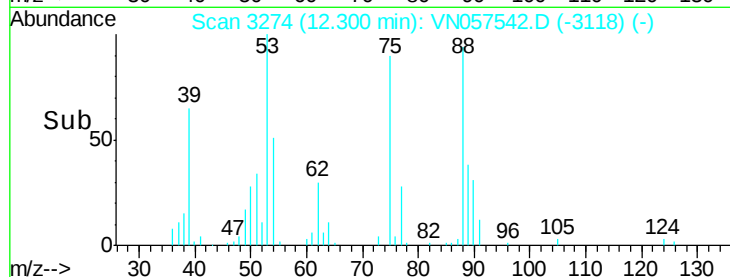
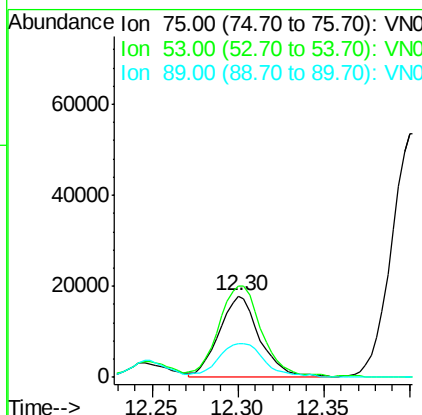
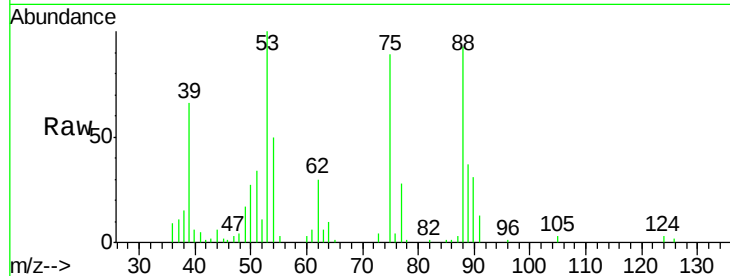
#77
t-1,4-Dichloro-2-butene
Concen: 15.468 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	55.6	166.9
89	42.6	23.8	71.4

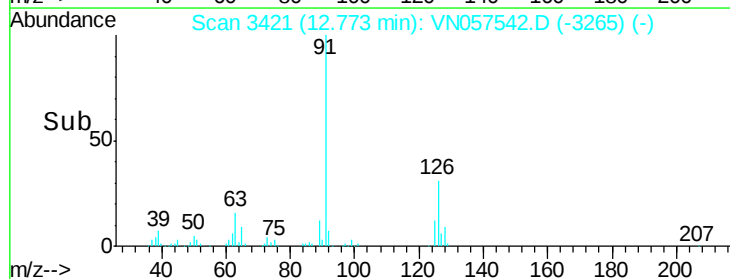
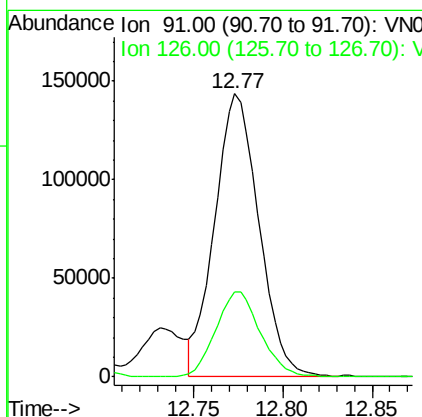
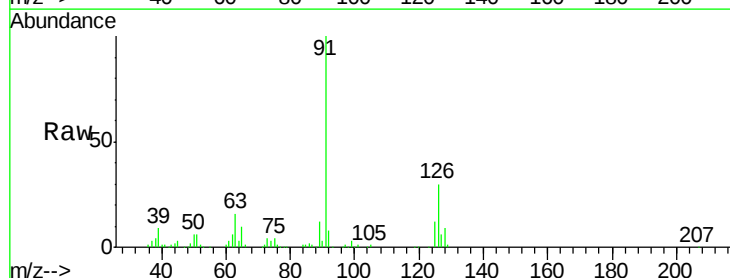
Manual Integrations
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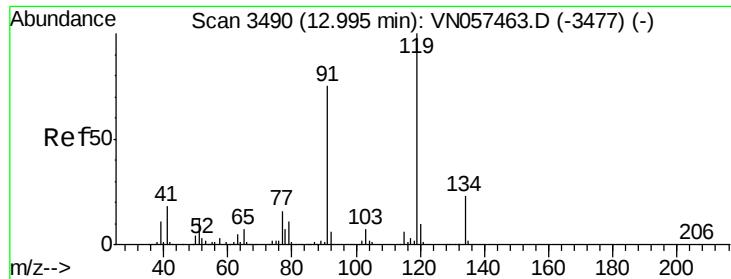
MMDadoda
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#78
4-Chlorotoluene
Concen: 19.209 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	61.6





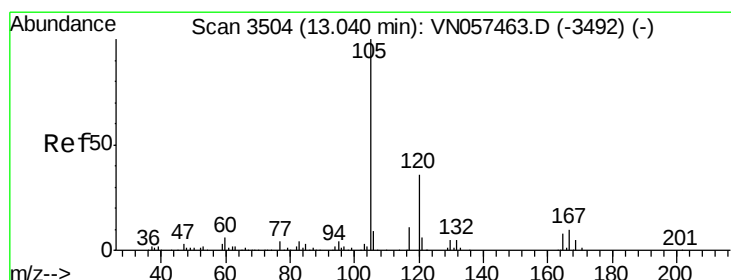
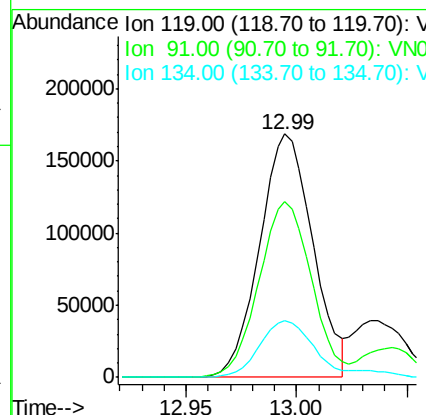
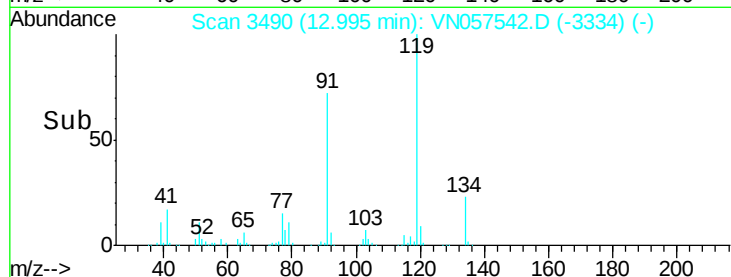
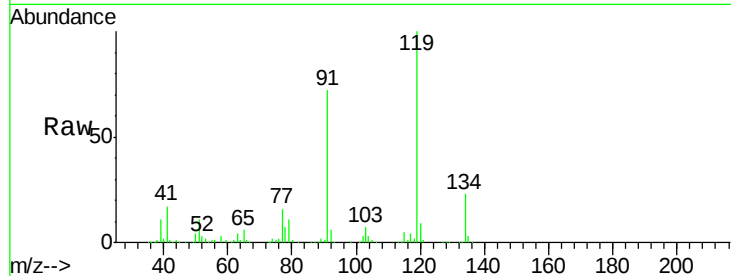
#79
tert-butylbenzene
Concen: 19.907 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281818		
91	71.6	0.0	146.6	
134	23.5	0.0	46.2	

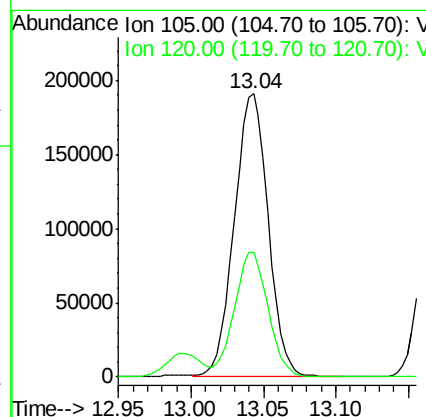
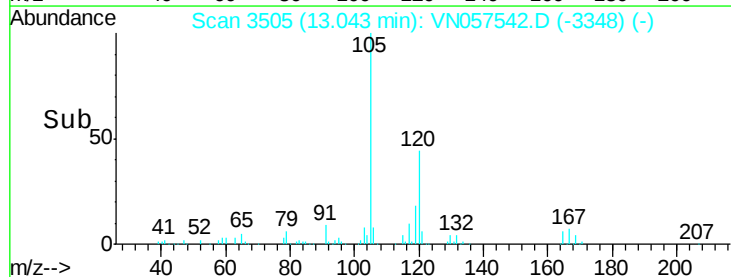
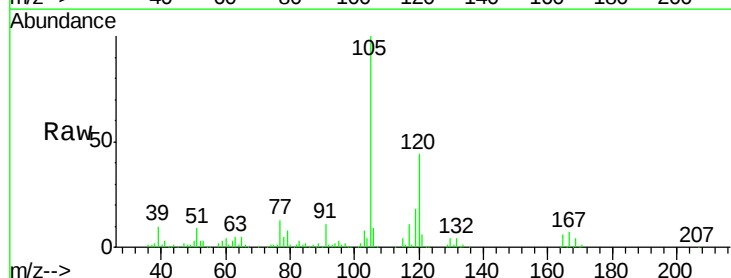
Manual Integrations
APPROVED

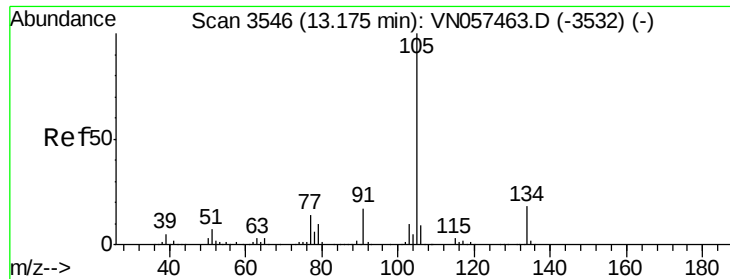
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#80
1,2,4-Trimethylbenzene
Concen: 19.994 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	310134		
120	43.6	0.0	85.4	





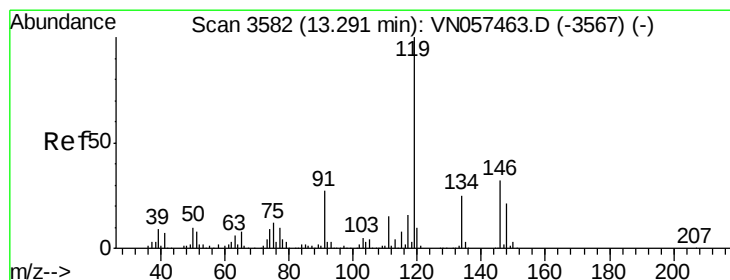
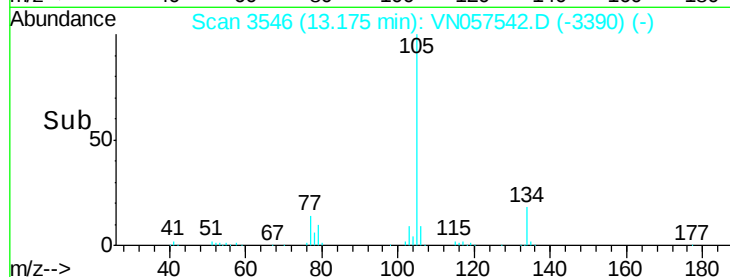
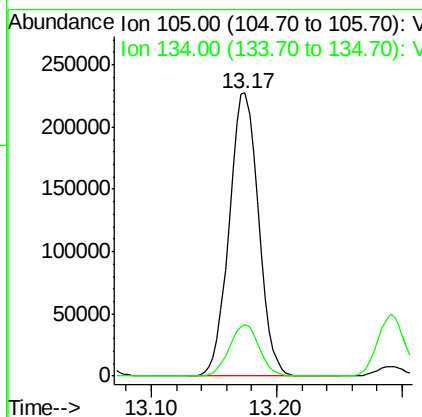
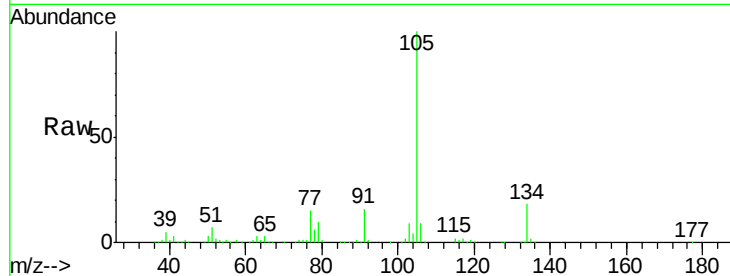
#81
 sec-Butylbenzene
 Concen: 19.793 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	369251		
134	18.4	0.0	36.0	

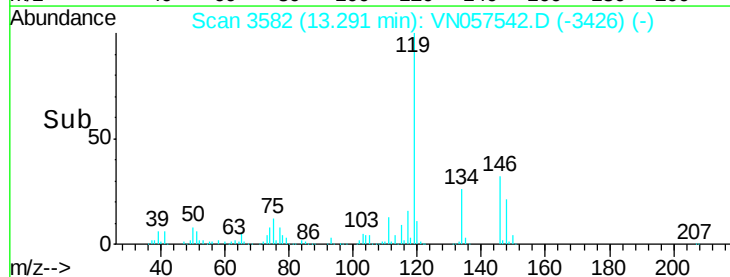
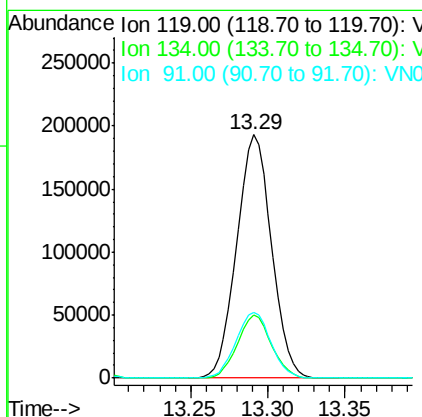
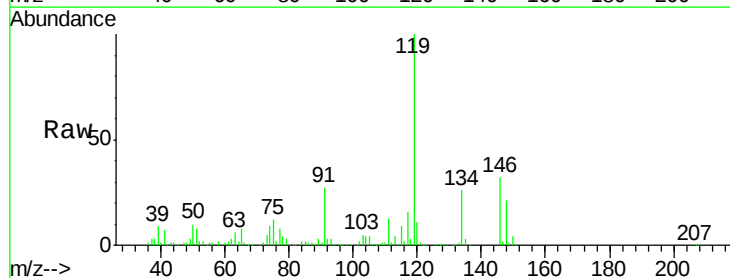
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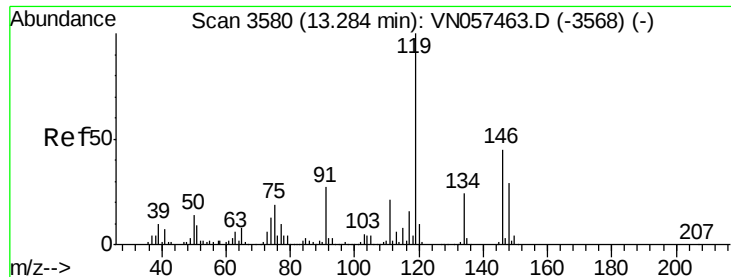
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#82
 p-Isopropyltoluene
 Concen: 19.225 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	301525		
134	25.3	0.0	49.6	
91	27.4	0.0	55.2	





#83

1,3-Dichlorobenzene

Concen: 18.756 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

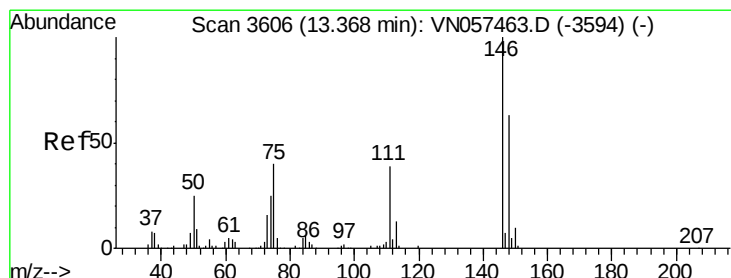
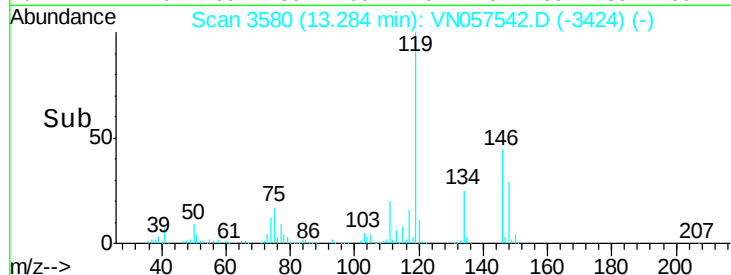
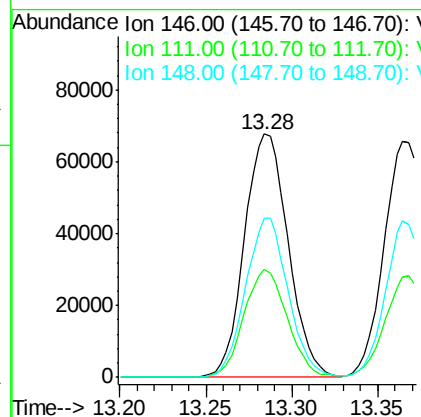
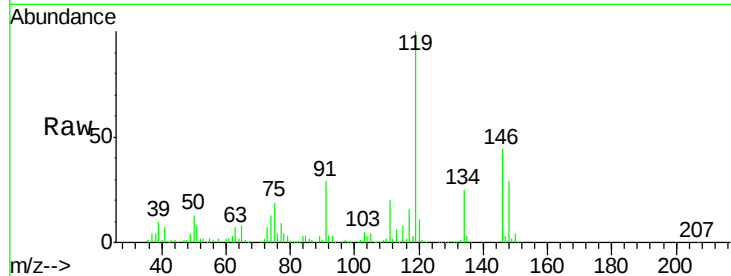
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	119808
Ion Ratio	Lower	Upper	
146	100		
111	44.0	22.4	67.0
148	63.7	31.8	95.4

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 18.670 ug/l

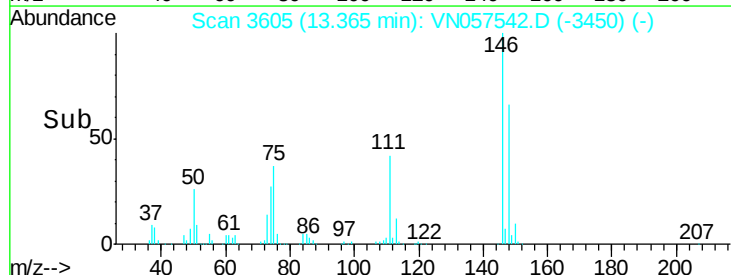
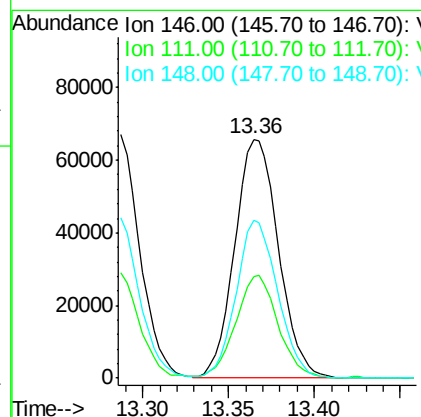
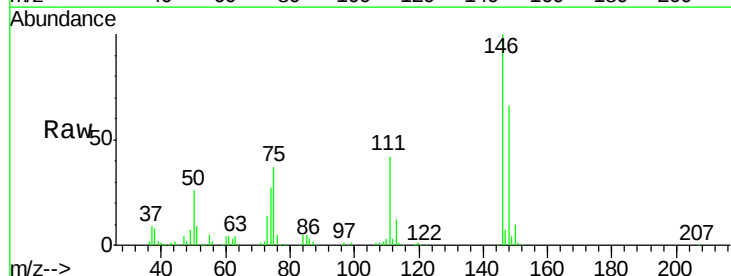
RT: 13.36 min Scan# 3605

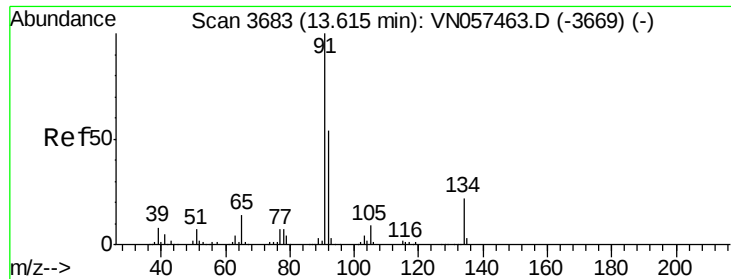
Delta R.T. -0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion:	146	Resp:	116021
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.5	61.5
148	62.8	31.9	95.7





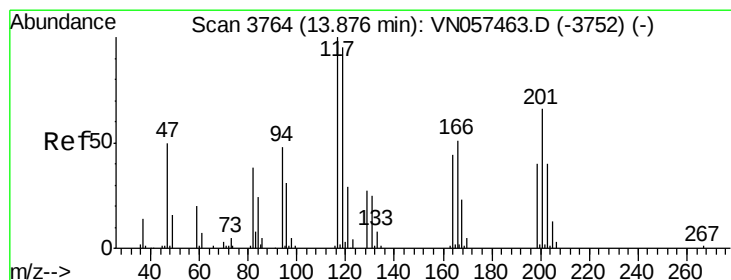
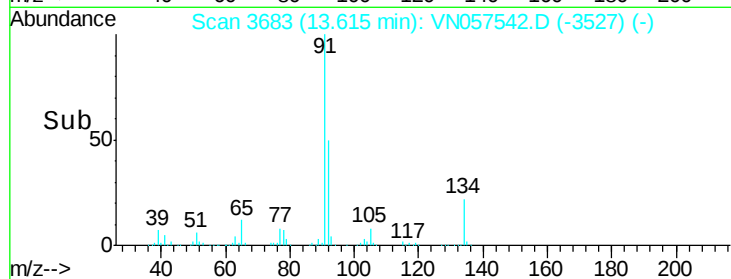
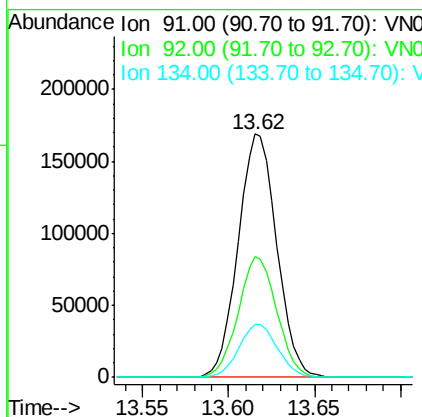
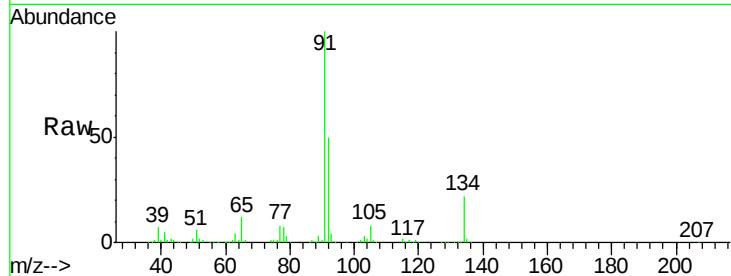
#85
n-Butylbenzene
Concen: 19.224 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	262858		
92	49.4	0.0	105.6	
134	21.8	0.0	46.0	

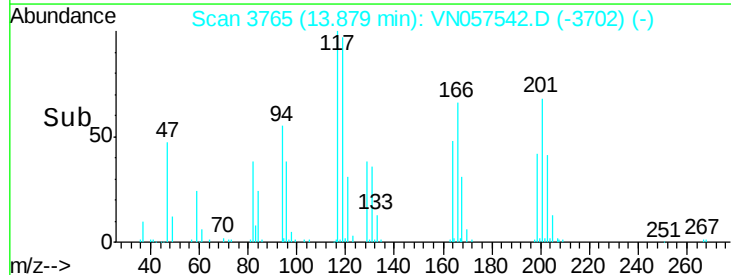
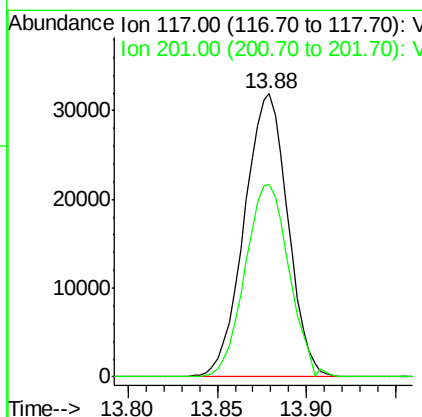
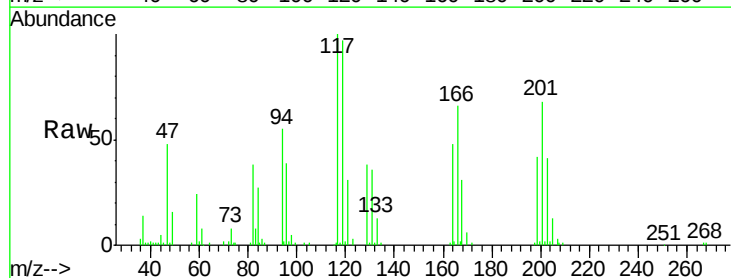
Manual Integrations
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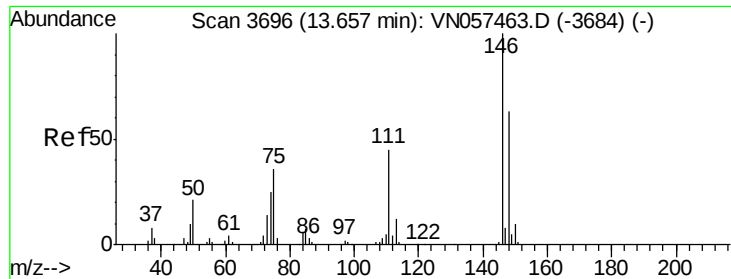
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#86
Hexachloroethane
Concen: 17.201 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	54433		
201	67.9	34.0	101.8	





#87

1,2-Dichlorobenzene

Concen: 19.310 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

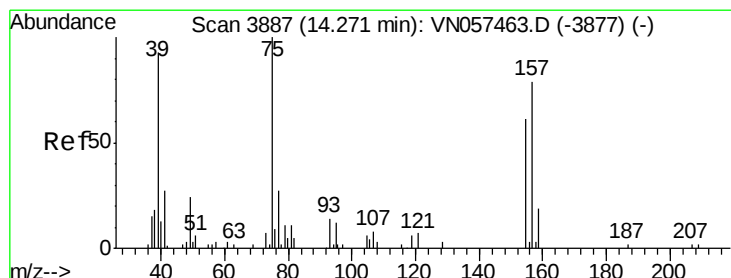
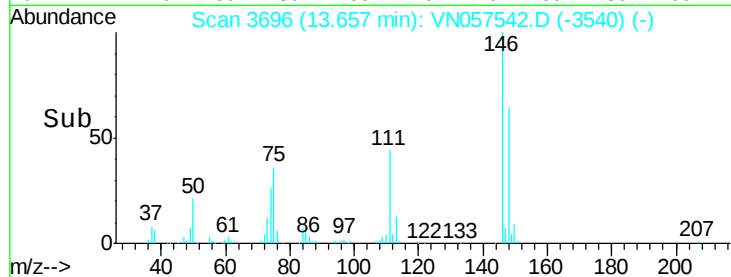
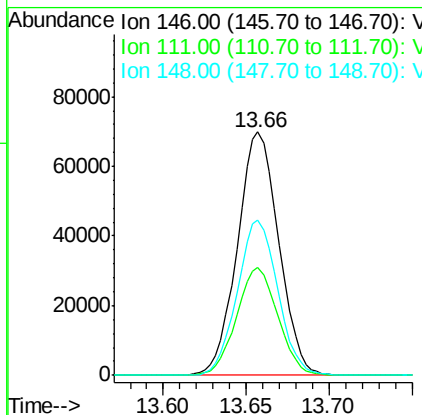
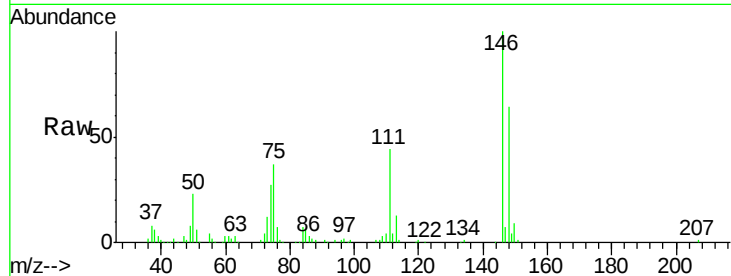
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	121137
Ion Ratio	Lower	Upper	
146	100		
111	44.1	22.5	67.5
148	62.6	30.9	92.7

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 15.816 ug/l

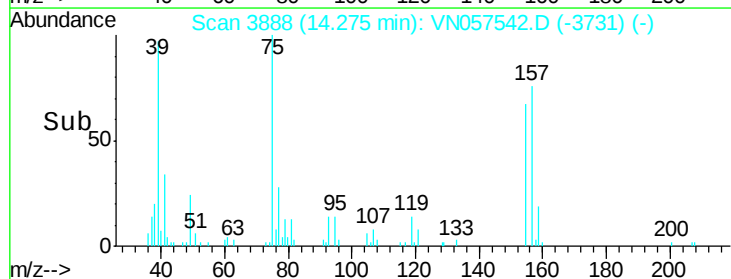
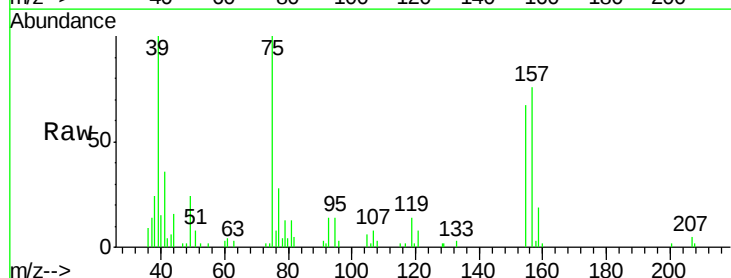
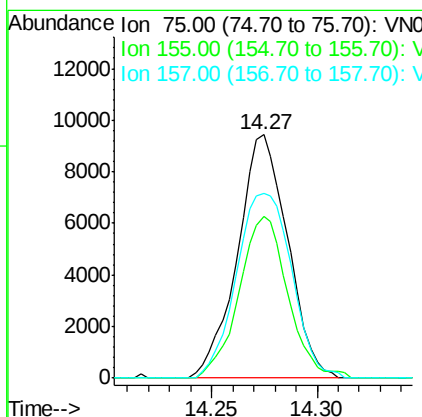
RT: 14.27 min Scan# 3888

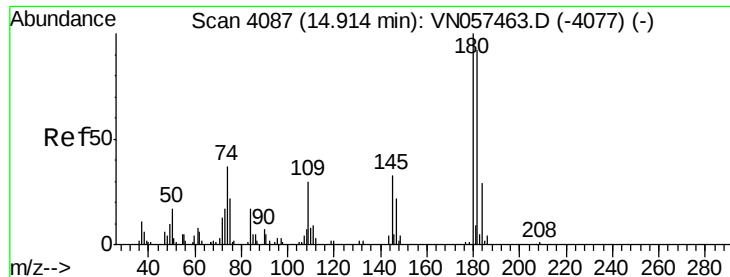
Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion:	75	Resp:	15561
Ion Ratio	Lower	Upper	
75	100		
155	64.2	53.7	80.5
157	83.9	63.5	95.3





#89

1,2,4-Trichlorobenzene

Concen: 13.879 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

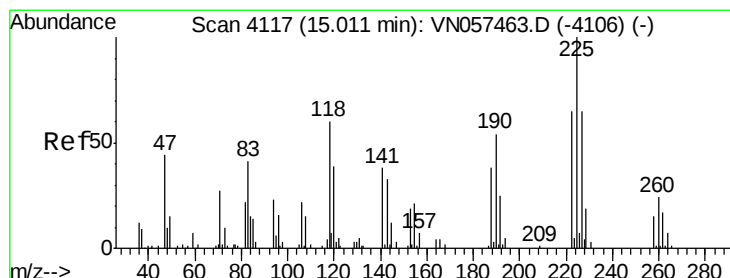
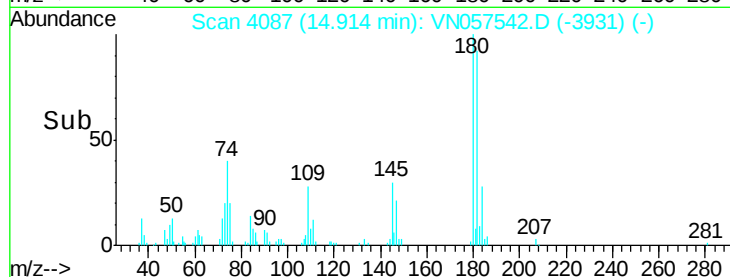
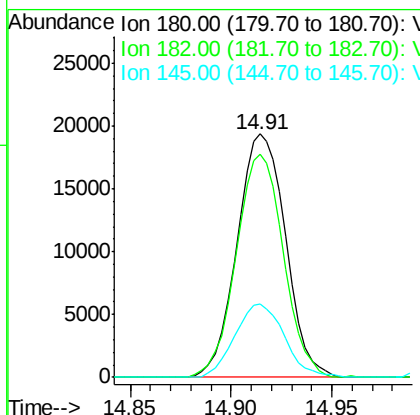
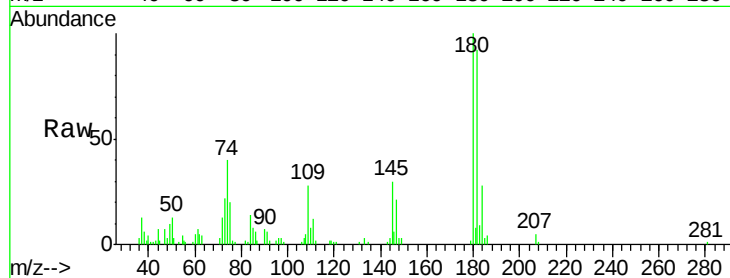
ClientSampleId :

VSTDCCC020

Tot Ion:	180	Resp:	32623
Ion Ratio	Lower	Upper	
180	100		
182	89.4	75.4	113.2
145	30.9	26.9	40.3

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#90

Hexachlorobutadiene

Concen: 20.988 ug/l

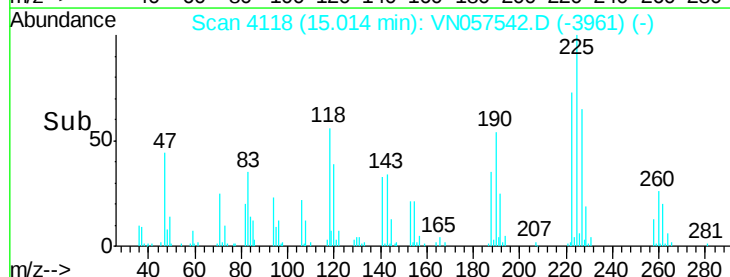
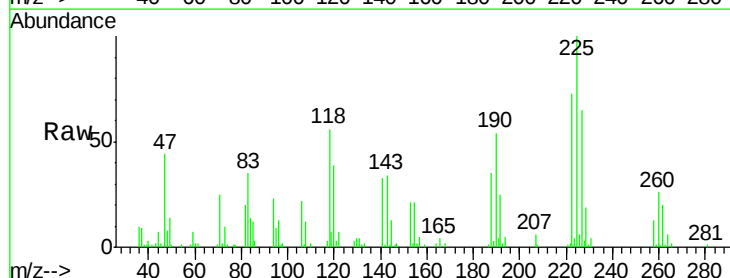
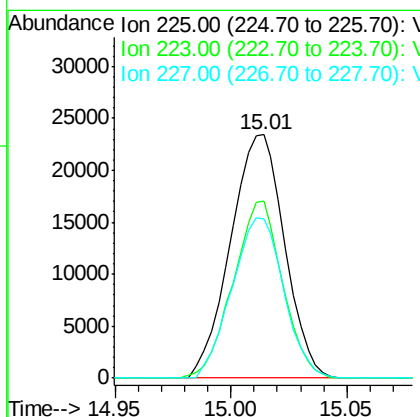
RT: 15.01 min Scan# 4118

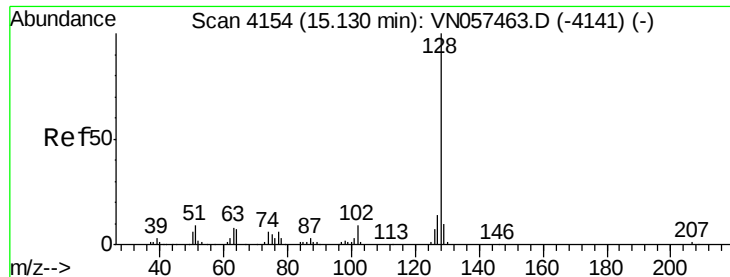
Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion:	225	Resp:	37931
Ion Ratio	Lower	Upper	
225	100		
223	66.3	0.0	123.6
227	63.1	0.0	126.6





#91

Naphthalene

Concen: 18.752 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

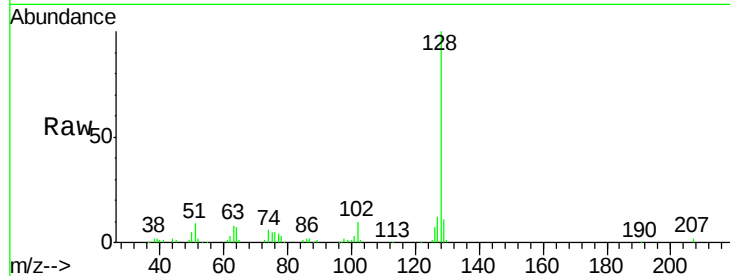
ClientSampleId :

VSTDCCC020

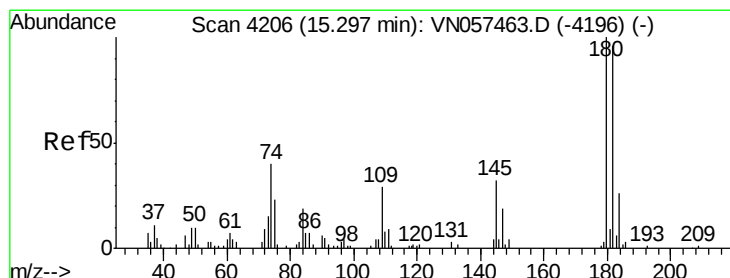
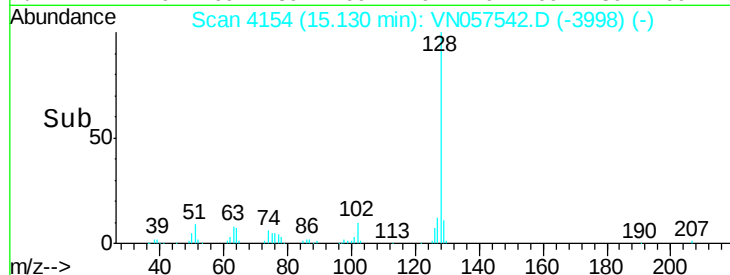
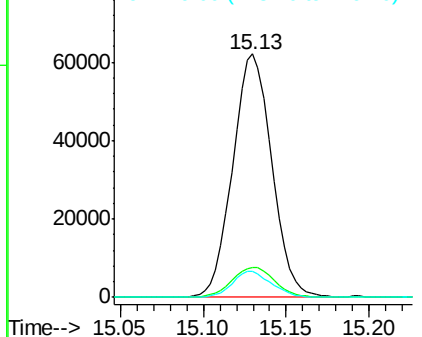
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	10.7	8.6	13.0

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.085 ug/l

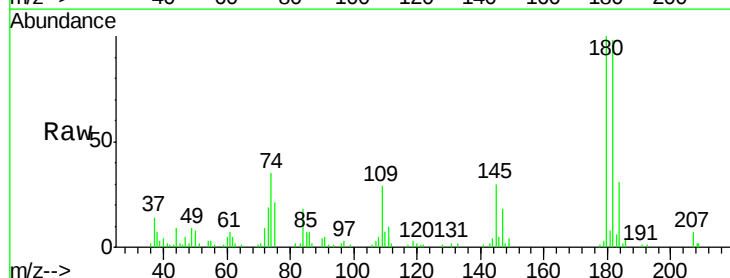
RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.4	0.0	187.0
145	28.8	0.0	64.4



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

