

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056631.D
 Acq On : 9 Jul 2019 16:12
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 9:24:47 AM

Quant Time: Jul 10 01:51:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53923	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303227	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	267337	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	111281	29.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.80%
60) 4-Bromofluorobenzene	12.40	95	123863	30.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.50%
63) Toluene-d8	10.09	98	374195	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	53832	19.907	ug/l 99
3) Chloromethane	2.06	50	71609	18.246	ug/l 98
4) Vinyl Chloride	2.18	62	71916	19.469	ug/l 98
5) Bromomethane	2.53	94	35161	17.841	ug/l 96
6) Chloroethane	2.68	64	40367	19.733	ug/l 99
7) Trichlorofluoromethane	3.00	101	94691	19.971	ug/l 98
8) Diethyl Ether	3.40	74	38082	18.935	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	59721	19.879	ug/l 95
10) 1,1-Dichloroethene	3.73	96	55737	18.910	ug/l 90
11) Methyl Iodide	3.94	142	46633	11.063	ug/l 98
12) Methyl Acetate	4.32	43	71255	17.925	ug/l 95
13) Acrolein	3.60	56	30804	79.368	ug/l 99
14) Acrylonitrile	4.98	53	158487	90.802	ug/l 100
15) Acetone	3.82	58	49016	100.650	ug/l 98
16) Carbon Disulfide	4.04	76	133671	18.860	ug/l 100
17) Allyl chloride	4.32	41	98684	19.131	ug/l 97
18) Methylene Chloride	4.54	84	67674	19.419	ug/l 91
19) trans-1,2-Dichloroethene	5.03	96	61292	19.172	ug/l 96
20) Diisopropyl ether	5.95	45	203269	19.074	ug/l 98
21) 1,1-Dichloroethane	5.84	63	115520	19.216	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	70711	18.809	ug/l 93
23) tert-Butyl Alcohol	4.79	59	52495	80.401	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	183736	18.846	ug/l 99
25) Chloroform	7.37	83	114648	19.457	ug/l 98
26) Cyclohexane	7.65	56	104797	18.926	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	84053	18.772	ug/l 99
30) 2-Butanone	6.83	43	217319	87.547	ug/l 97
31) 2,2-Dichloropropane	6.82	77	82071	19.062	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	90671	18.995	ug/l 98
33) Carbon Tetrachloride	7.77	117	75940	18.767	ug/l 99
34) Benzene	8.04	78	265937	18.993	ug/l 97
35) Methacrylonitrile	7.17	41	38532	17.479	ug/l 98
36) 1,2-Dichloroethane	8.12	62	87545	19.237	ug/l 96
37) Trichloroethene	8.83	130	69763	19.104	ug/l 92
38) Methylcyclohexane	9.08	83	108119	19.267	ug/l 99
39) 1,2-Dichloropropane	9.12	63	72126	19.136	ug/l 96
40) Dibromomethane	9.21	93	44065	18.913	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	83008	19.223	ug/l	98
42) Vinyl Acetate	5.89	43	822390	93.045	ug/l	98
43) Ethyl Acetate	6.93	43	85616	17.830	ug/l	98
44) Isopropyl Acetate	8.16	43	132288	17.658	ug/l	98
45) 1,4-Dioxane	9.20	88	25985	354.480	ug/l	89
46) Methyl methacrylate	9.20	41	65535	17.803	ug/l	96
47) n-amyl Acetate	12.07	43	107511	17.265	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	85865	18.553	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	102149	19.136	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	66596	19.402	ug/l	98
51) Ethyl methacrylate	10.43	69	97122	17.966	ug/l	96
52) 1,3-Dichloropropane	10.71	76	112226	19.241	ug/l	100
53) Dibromochloromethane	10.90	129	63247	18.800	ug/l	99
54) 1,2-Dibromoethane	11.00	107	67326	18.825	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	252382	91.621	ug/l	98
56) Bromoform	12.12	173	43717	17.884	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	427566	88.953	ug/l	97
59) 2-Hexanone	10.75	43	306201	85.848	ug/l	99
61) Tetrachloroethene	10.63	164	66840	19.920	ug/l	98
62) Toluene	10.15	91	287007	19.236	ug/l	99
64) Chlorobenzene	11.43	112	172201	19.157	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	61868	19.111	ug/l	100
66) Ethyl Benzene	11.51	91	306213	18.928	ug/l	99
67) m/p-Xylenes	11.62	106	233262	39.071	ug/l	95
68) o-Xylene	11.94	106	111714	18.921	ug/l	96
69) Styrene	11.96	104	185968	18.931	ug/l	98
70) Isopropylbenzene	12.25	105	299214	19.423	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	94135	18.483	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	79367m	18.531	ug/l	
73) Bromobenzene	12.52	156	77672	19.549	ug/l	94
74) n-propylbenzene	12.59	91	333973	19.109	ug/l	98
75) 2-Chlorotoluene	12.67	91	201569	19.287	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	253630	19.443	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	22297	16.253	ug/l	95
78) 4-Chlorotoluene	12.77	91	194774	19.163	ug/l	98
79) tert-butylbenzene	12.99	119	218784	19.630	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	253325	19.662	ug/l	98
81) sec-Butylbenzene	13.17	105	289423	19.583	ug/l	98
82) p-Isopropyltoluene	13.29	119	262667	19.767	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	128463	19.470	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	120720	18.967	ug/l	99
85) n-Butylbenzene	13.61	91	212866	19.062	ug/l	98
86) Hexachloroethane	13.87	117	37470	18.701	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	131306	19.597	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14411	15.791	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	63164	17.056	ug/l	98
90) Hexachlorobutadiene	15.01	225	45610	19.823	ug/l	98
91) Naphthalene	15.13	128	155524	14.965	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	66577	17.125	ug/l	98

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QLast Update : Wed Jul 03 11:05:14 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

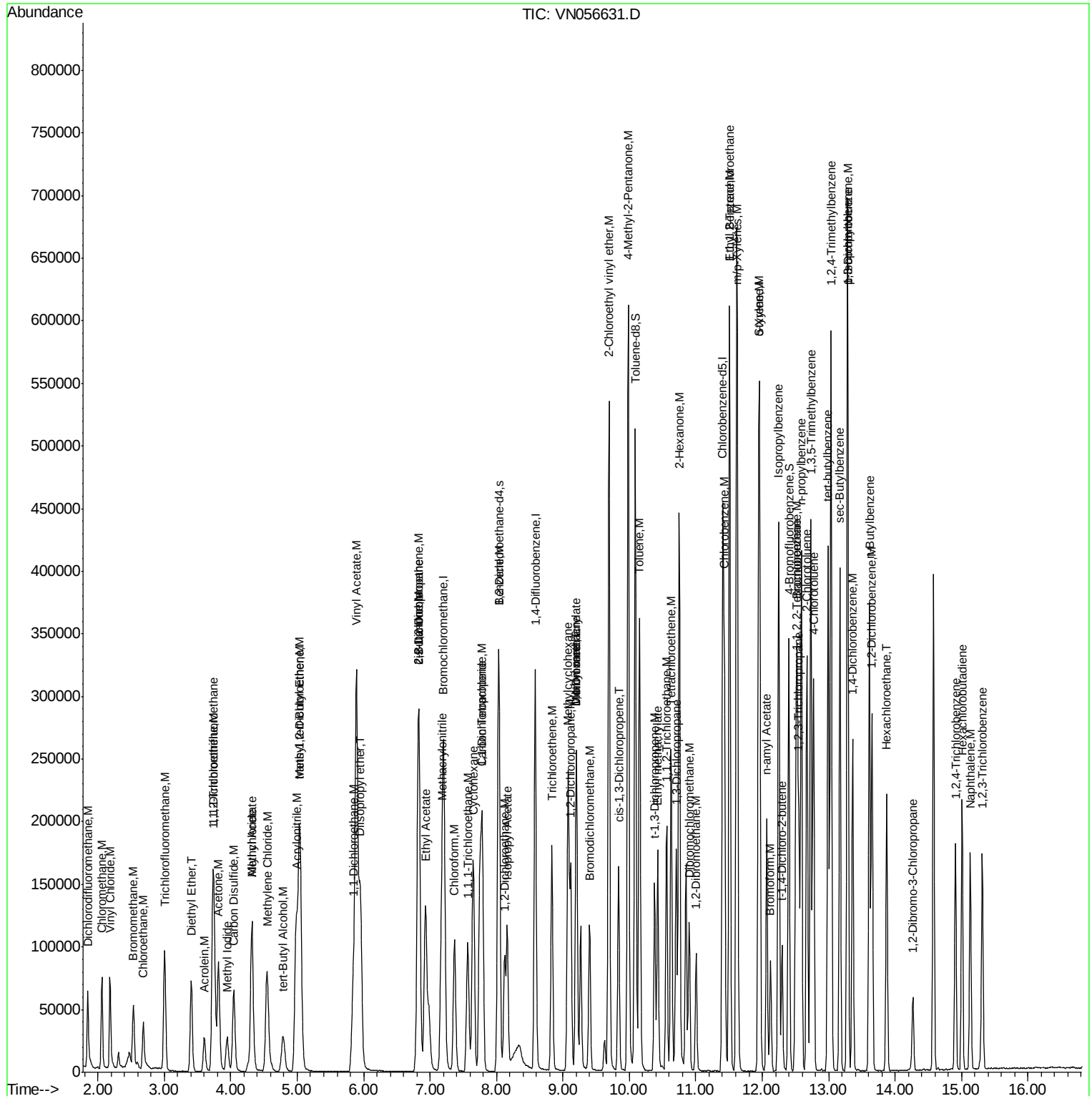
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
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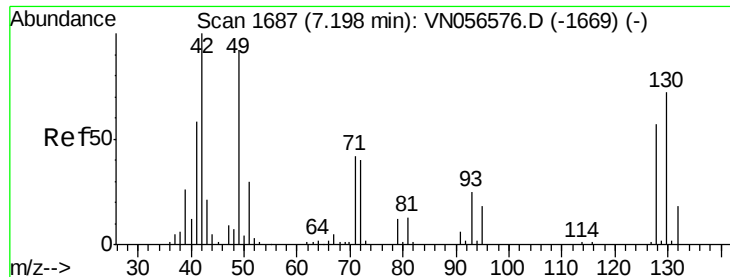
Instrument :
MSVOA_N
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 53923

Ion Ratio Lower Upper

128 100

49 160.3 0.0 355.8

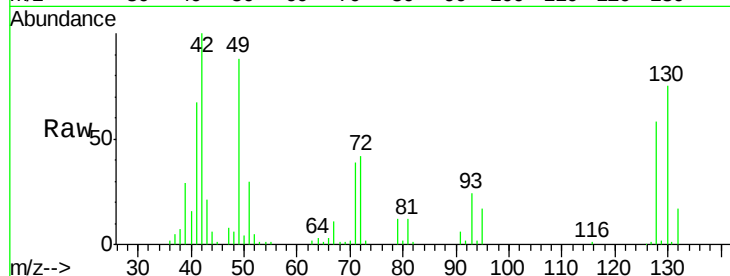
130 131.9 0.0 326.3

Manual Integrations

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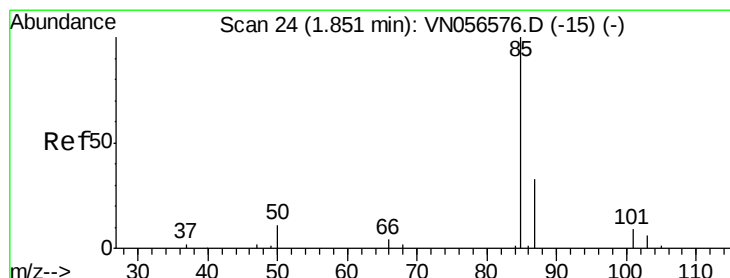
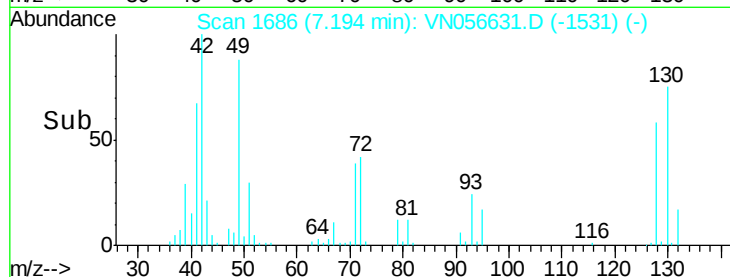
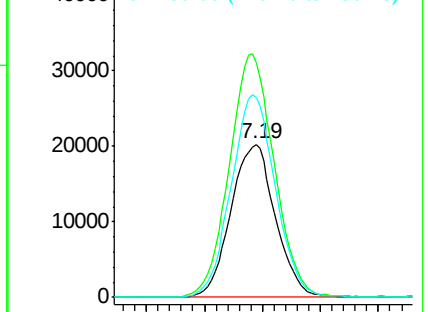
7/10/2019 9:24:47 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.907 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056631.D

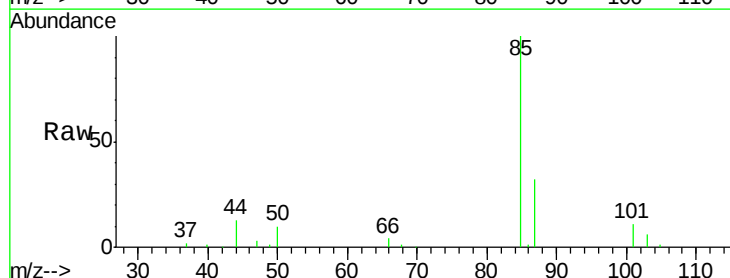
Acq: 9 Jul 2019 16:12

Tgt Ion: 85 Resp: 53832

Ion Ratio Lower Upper

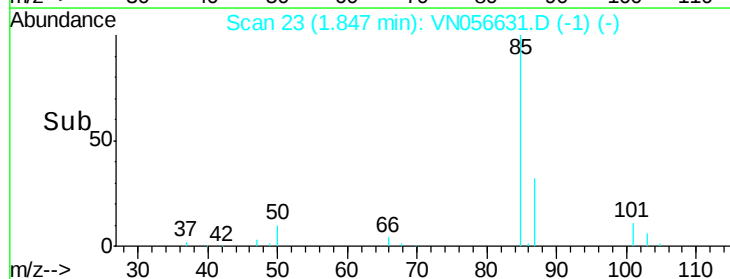
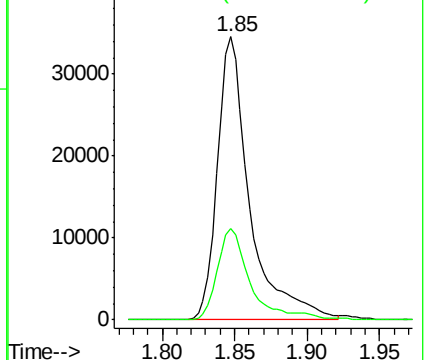
85 100

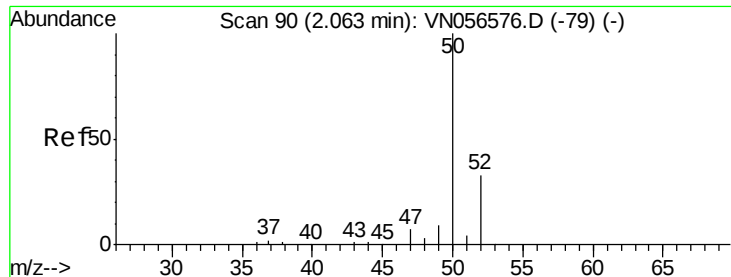
87 32.3 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.246 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 71609

Ion Ratio Lower Upper

50 100

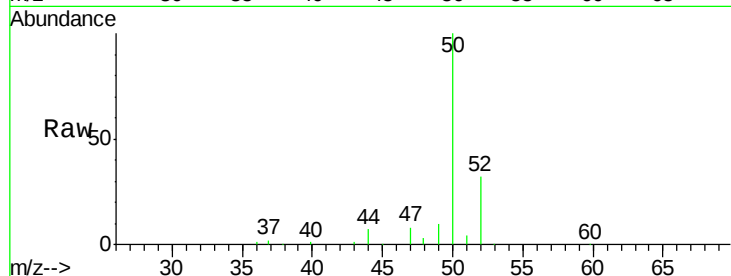
52 32.4 26.7 40.1

Manual Integrations

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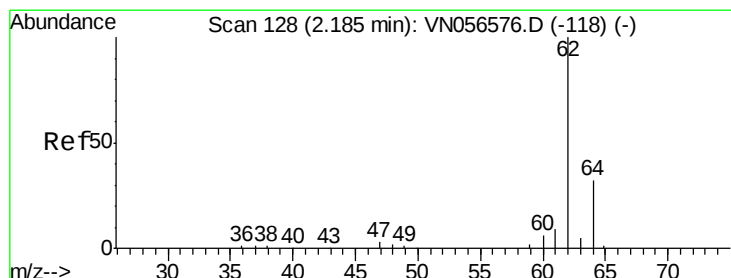
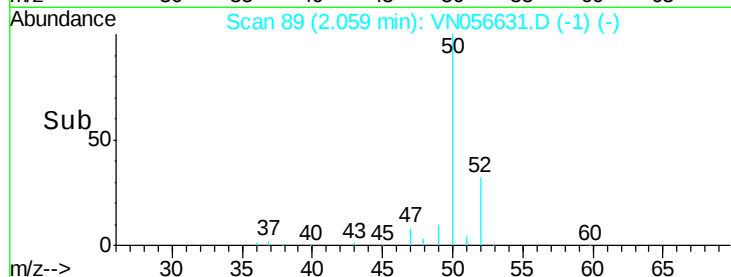
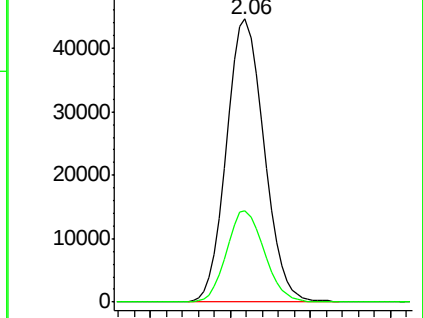
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.469 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056631.D

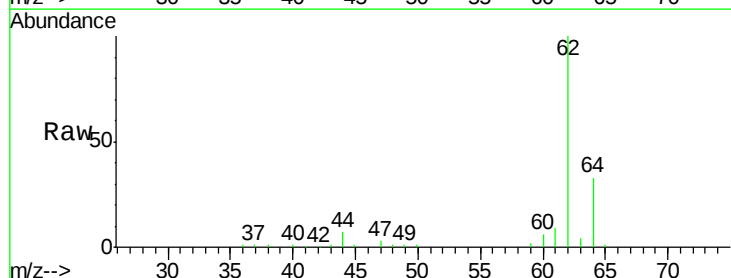
Acq: 9 Jul 2019 16:12

Tgt Ion: 62 Resp: 71916

Ion Ratio Lower Upper

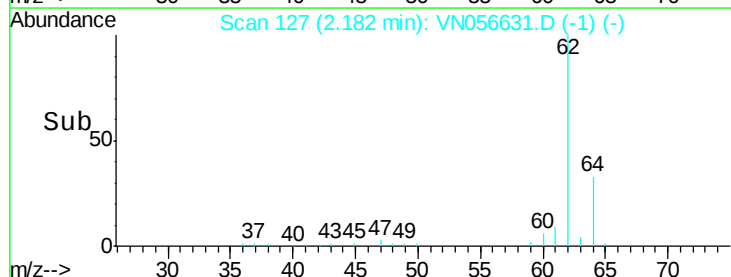
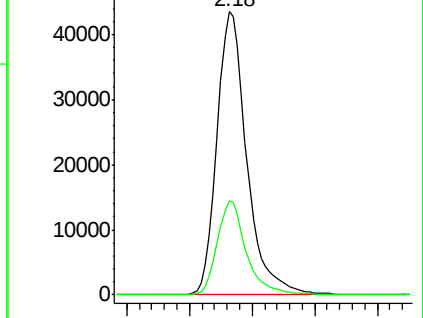
62 100

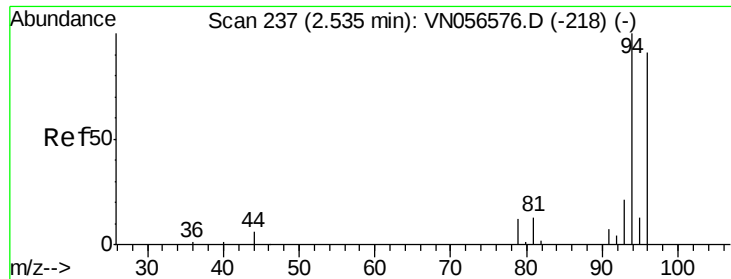
64 33.3 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 17.841 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

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ClientSampleId :

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Tot Ion: 94 Resp: 35161

Ion Ratio Lower Upper

94 100

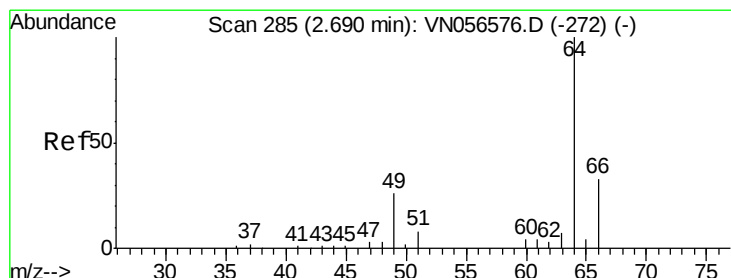
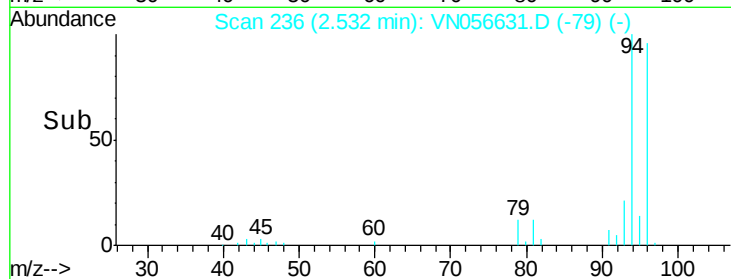
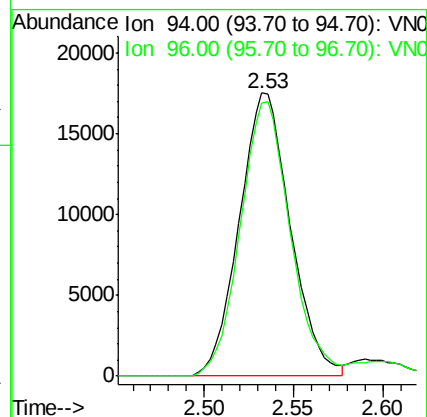
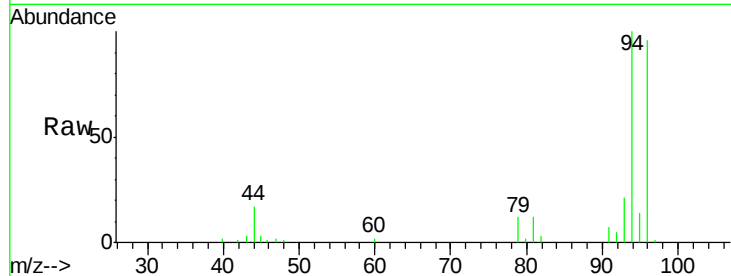
96 96.4 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 19.733 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN056631.D

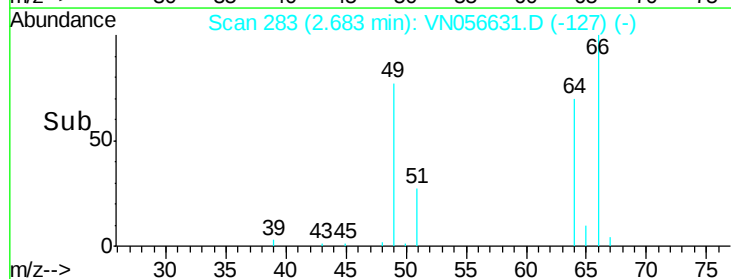
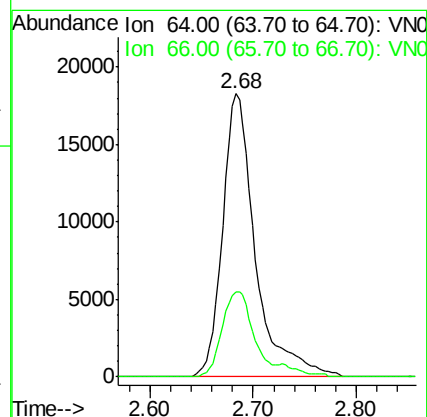
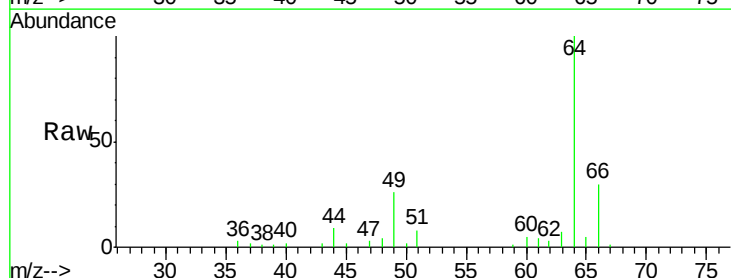
Acq: 9 Jul 2019 16:12

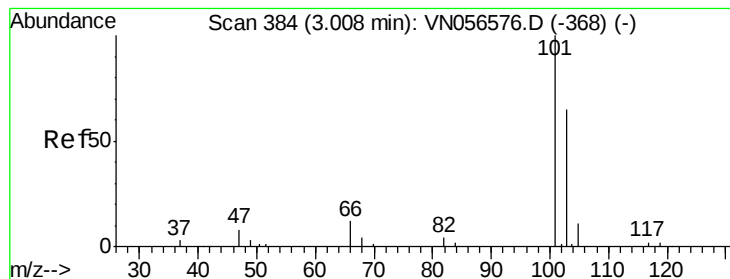
Tgt Ion: 64 Resp: 40367

Ion Ratio Lower Upper

64 100

66 29.9 23.7 35.5





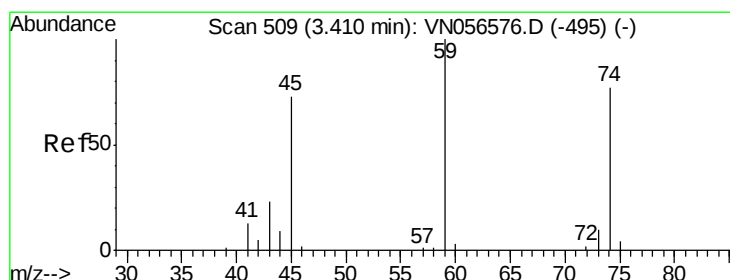
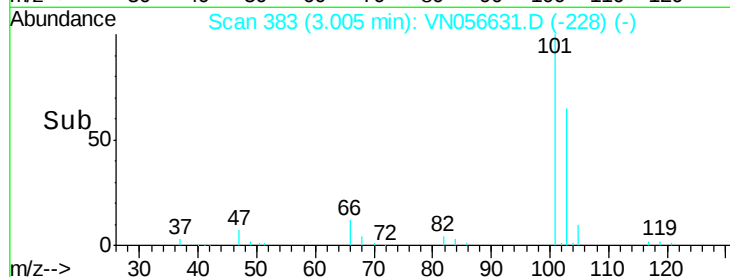
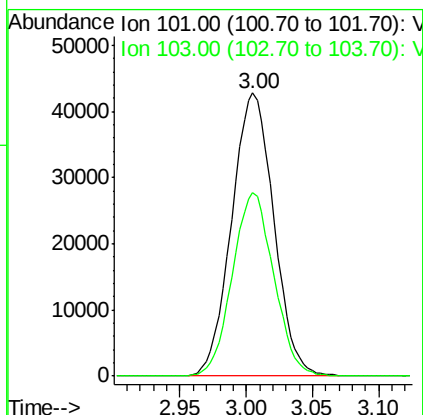
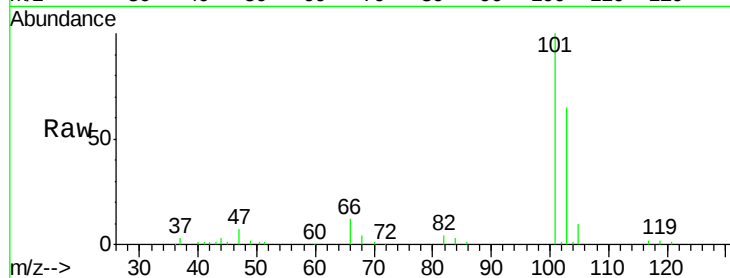
#7
Trichlorofluoromethane
Concen: 19.971 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:101 Resp: 94691
Ion Ratio Lower Upper
101 100
103 64.8 53.4 80.0

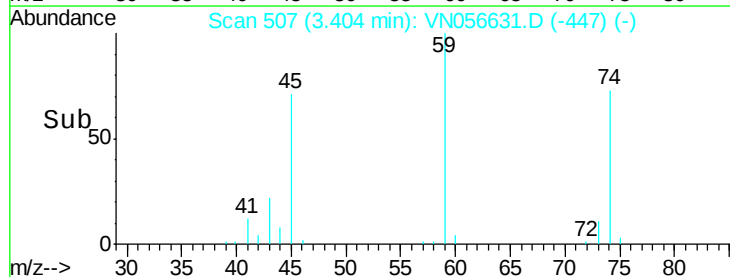
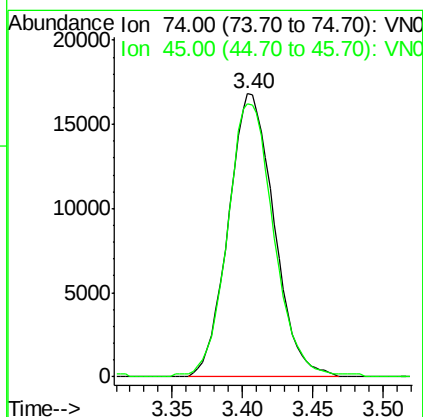
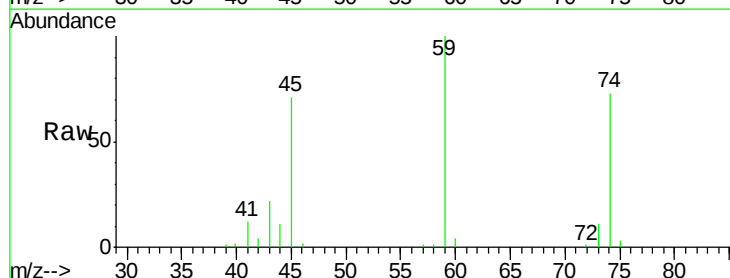
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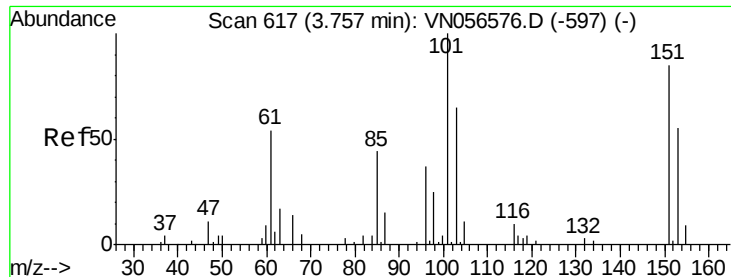
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#8
Diethyl Ether
Concen: 18.935 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 74 Resp: 38082
Ion Ratio Lower Upper
74 100
45 94.9 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.879 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

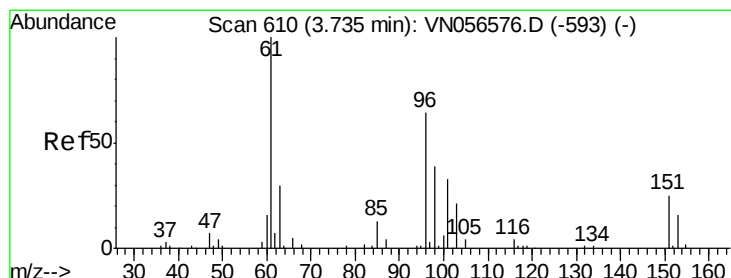
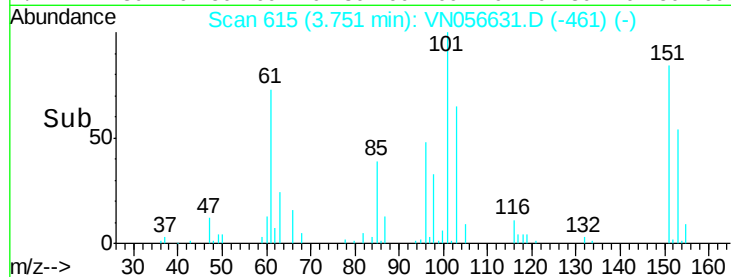
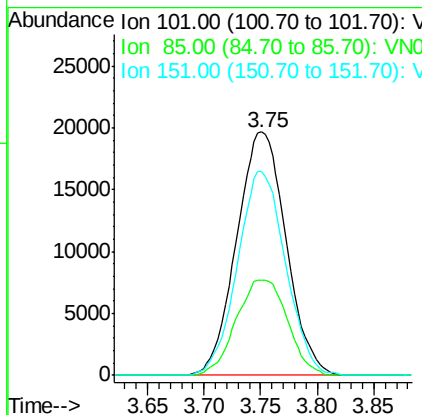
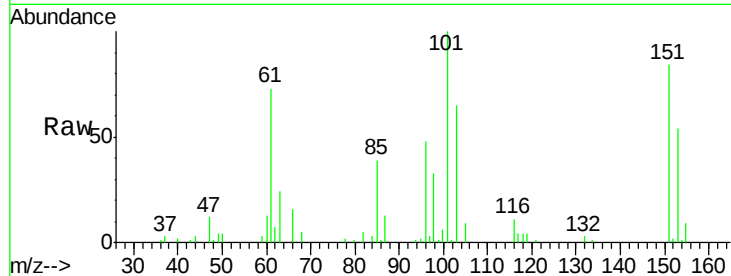
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	59721
Ion Ratio	Lower	Upper	
101	100		
85	40.6	0.0	82.0
151	81.7	0.0	177.0

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#10

1,1-Dichloroethene

Concen: 18.910 ug/l

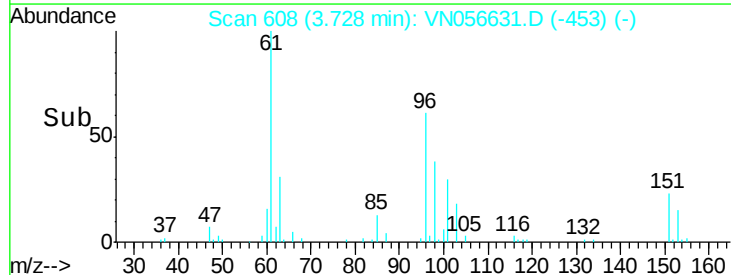
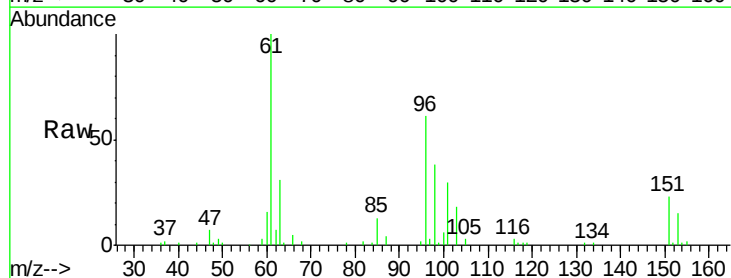
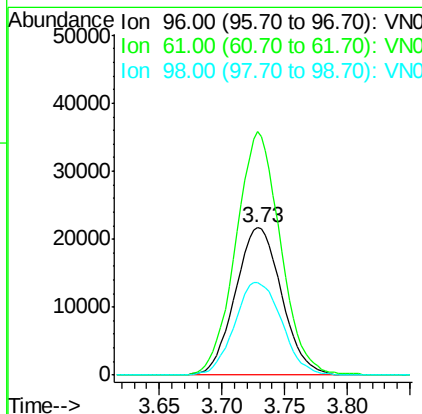
RT: 3.73 min Scan# 608

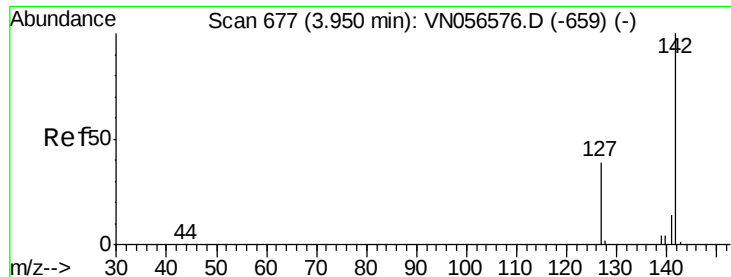
Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Tgt Ion:	96	Resp:	55737
Ion Ratio	Lower	Upper	
96	100		
61	165.2	119.7	179.5
98	62.6	52.3	78.5





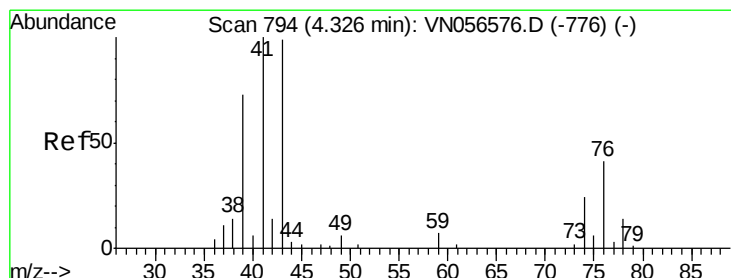
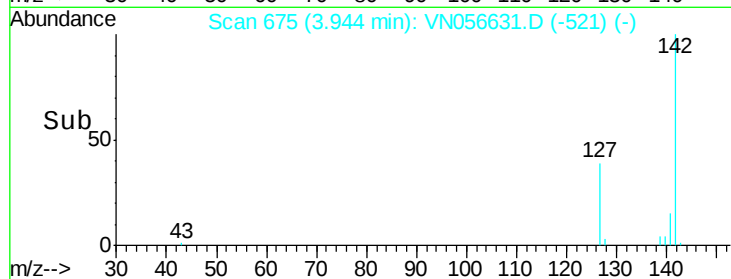
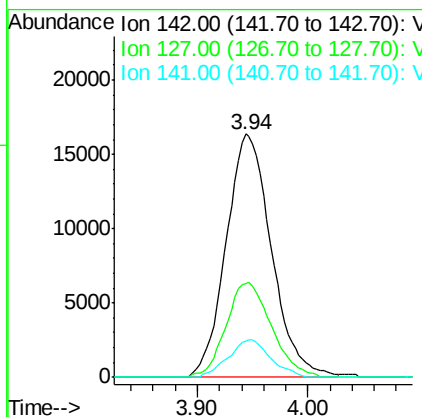
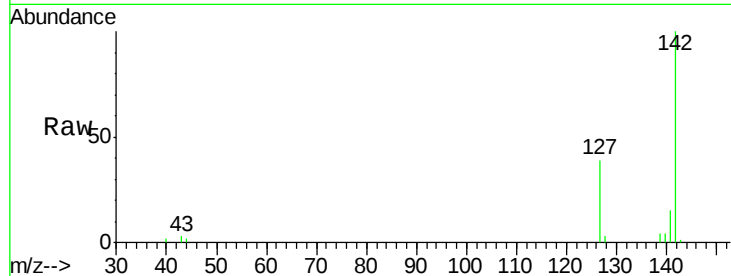
#11
Methvl Iodide
Concen: 11.063 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.8	19.0	57.0
141	15.1	6.7	20.0

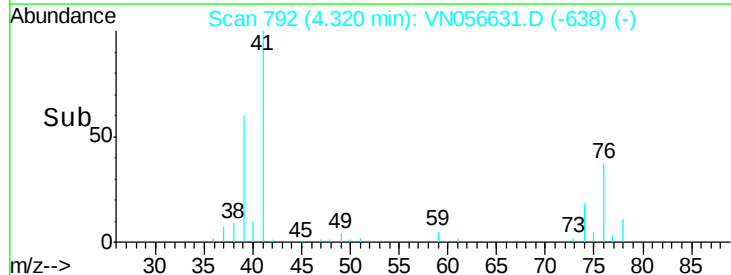
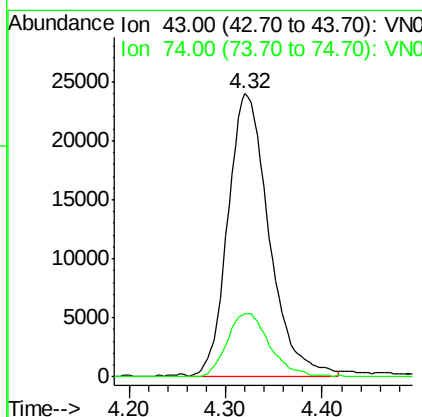
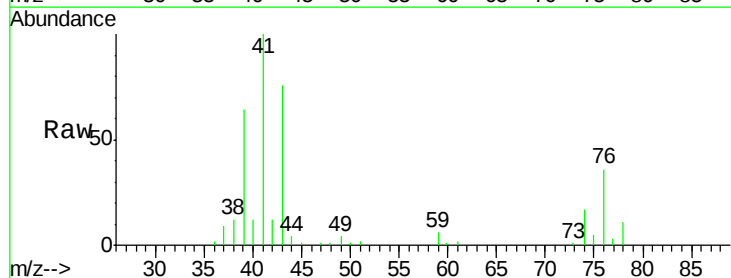
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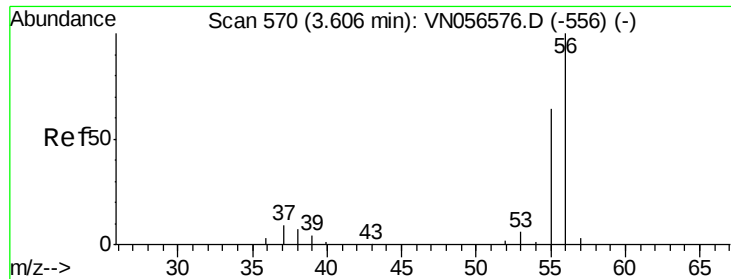
MMDadoda
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#12
Methyl Acetate
Concen: 17.925 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	19.9	29.9





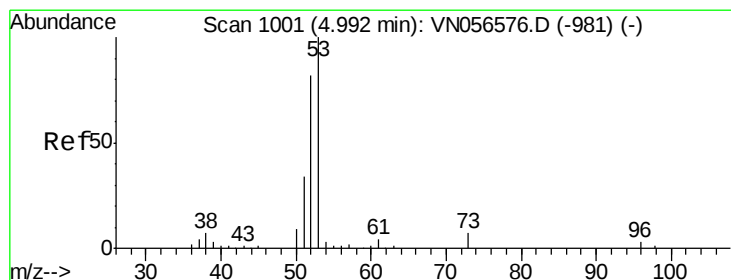
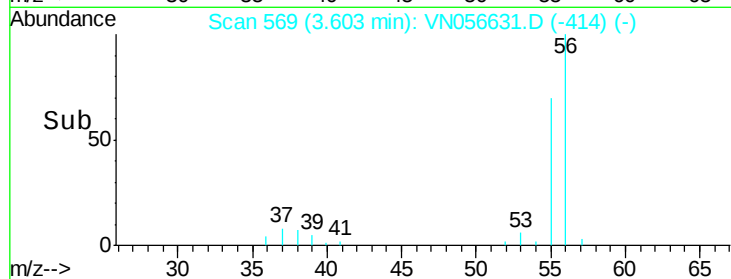
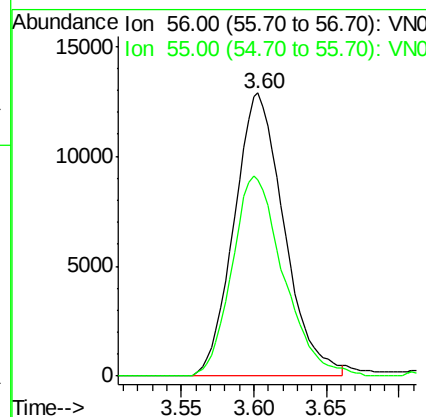
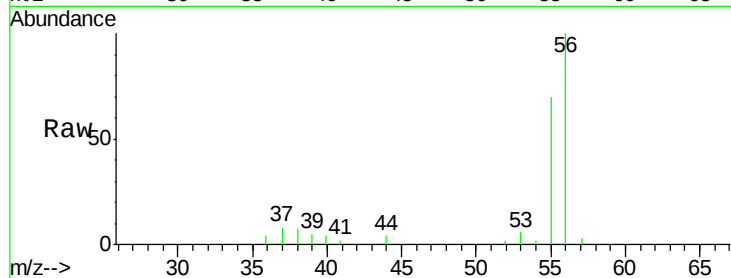
#13
Acrolein
Concen: 79.368 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 56 Resp: 30804
Ion Ratio Lower Upper
56 100
55 72.9 57.9 86.9

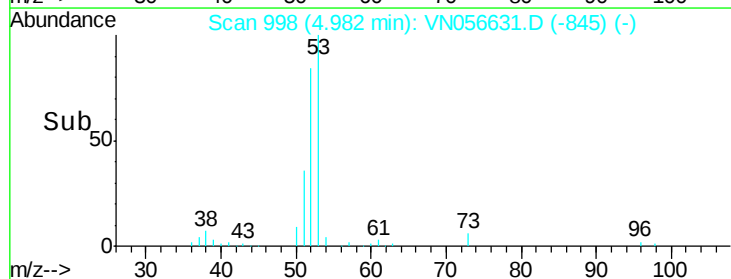
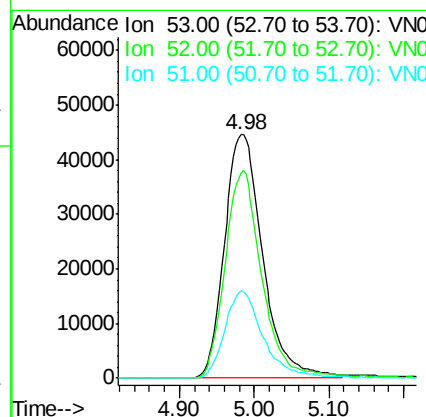
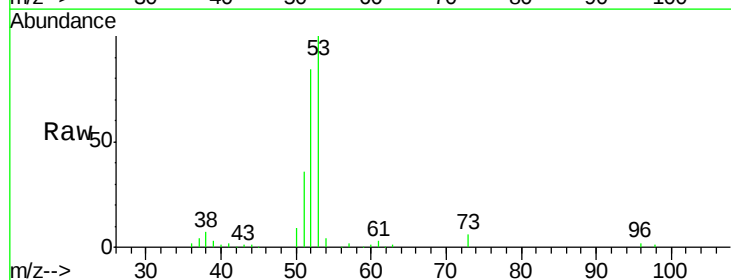
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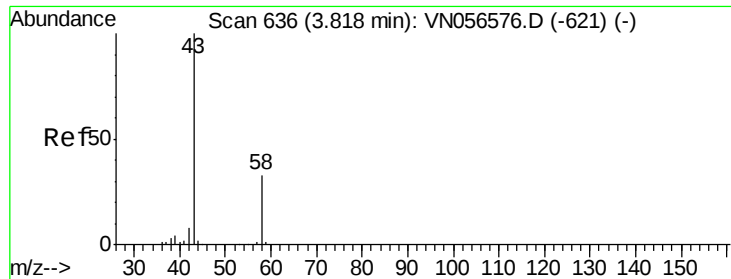
MMDadoda
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#14
Acrylonitrile
Concen: 90.802 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 53 Resp: 158487
Ion Ratio Lower Upper
53 100
52 81.4 40.8 122.2
51 35.1 17.3 52.0





#15

Acetone

Concen: 100.650 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 49016

Ion Ratio Lower Upper

58 100

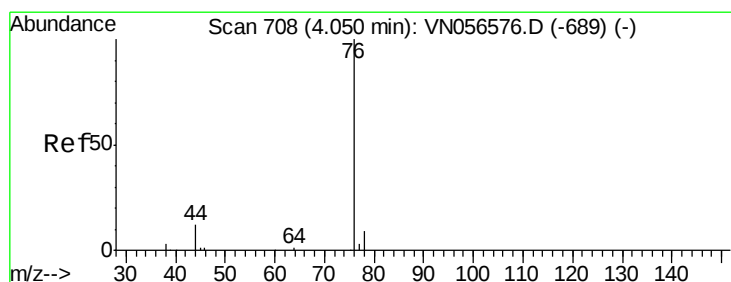
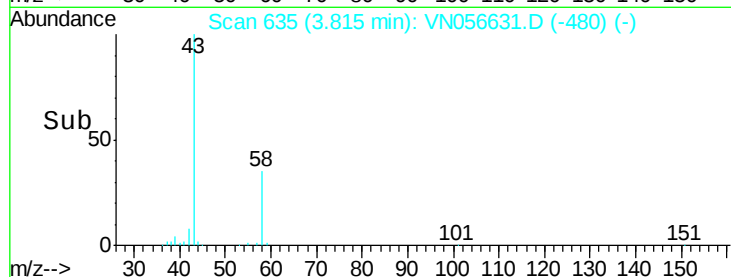
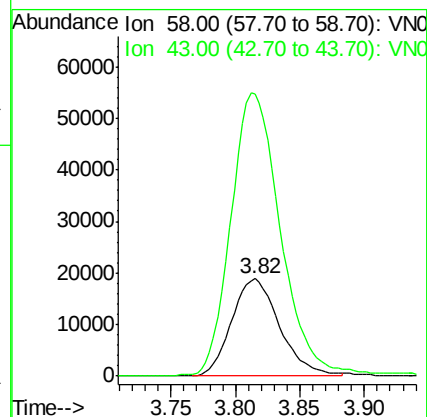
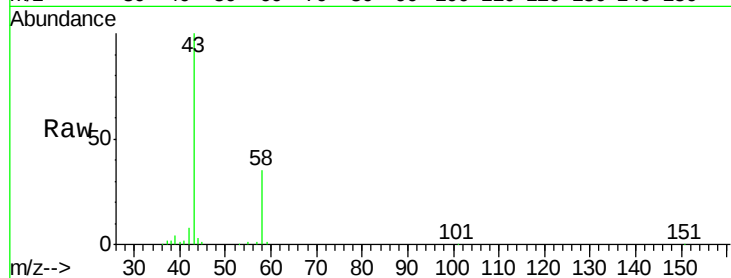
43 286.9 232.5 348.7

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#16

Carbon Disulfide

Concen: 18.860 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VN056631.D

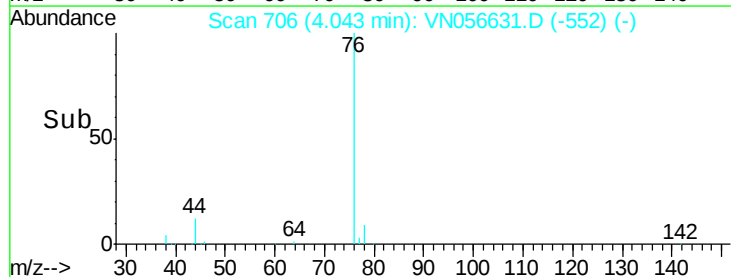
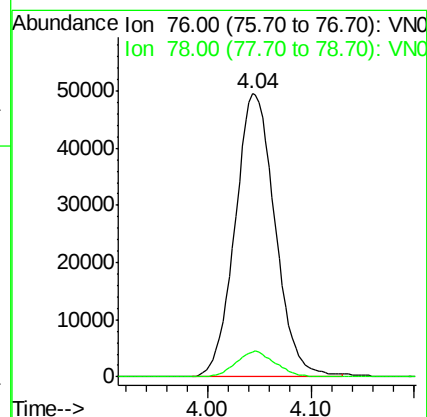
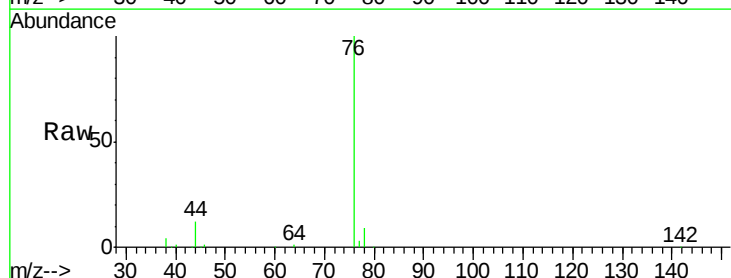
Acq: 9 Jul 2019 16:12

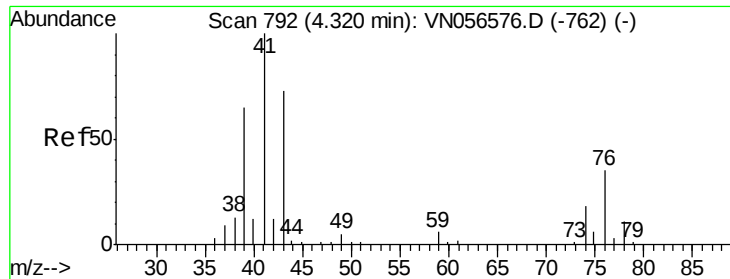
Tgt Ion: 76 Resp: 133671

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





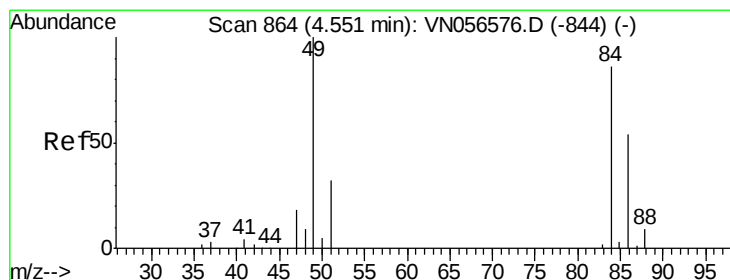
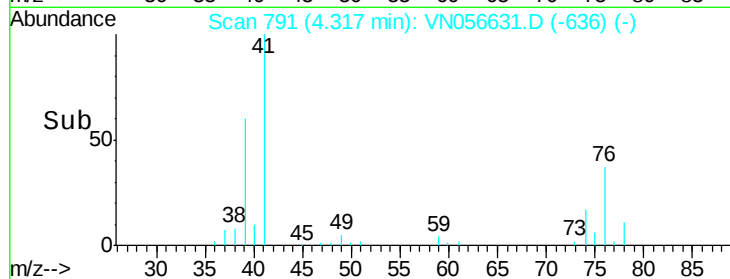
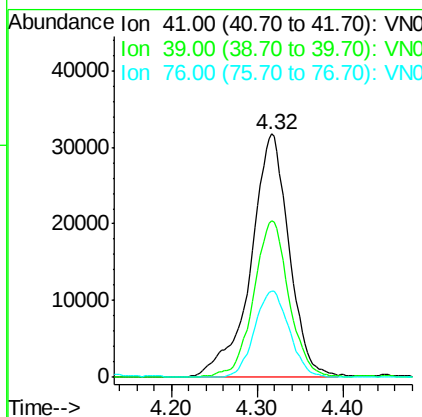
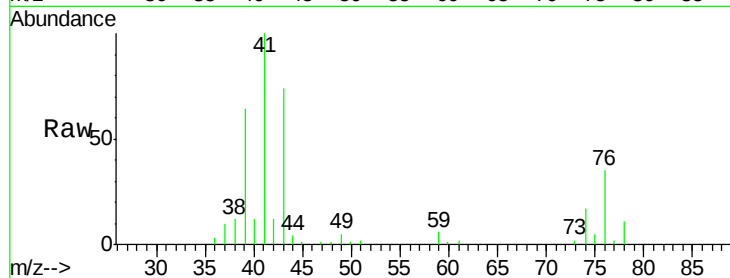
#17
Allvl chloride
Concen: 19.131 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	98684
Ion Ratio	Lower	Upper	
41	100		
39	64.2	33.0	99.0
76	35.3	18.9	56.9

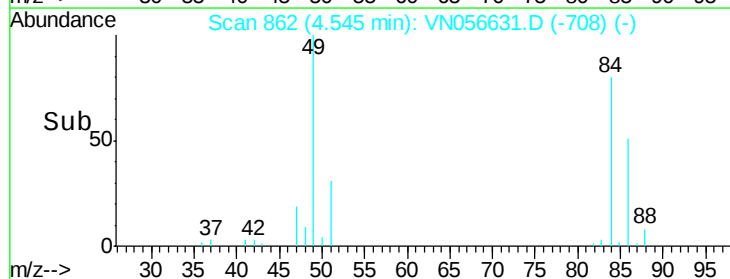
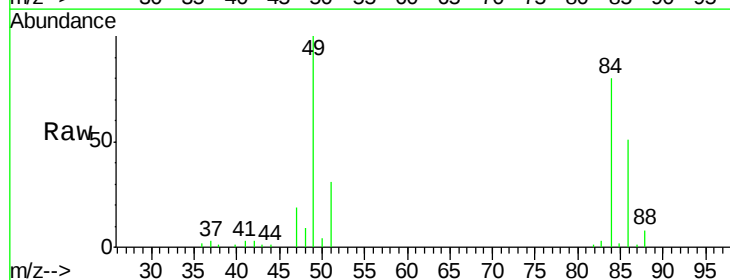
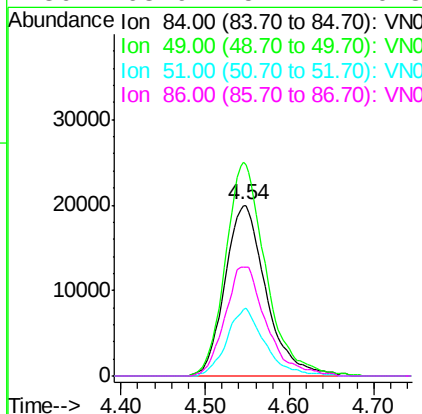
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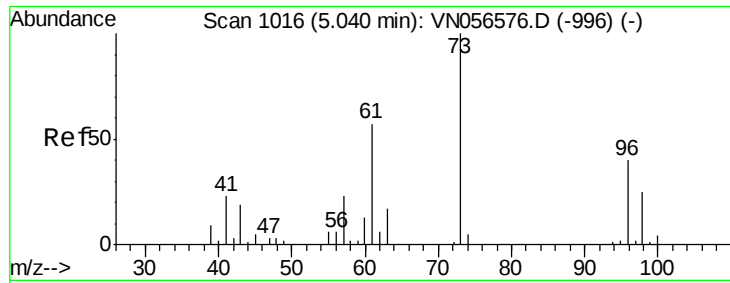
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#18
Methylene Chloride
Concen: 19.419 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion:	84	Resp:	67674
Ion Ratio	Lower	Upper	
84	100		
49	125.2	87.6	131.4
51	39.0	27.0	40.4
86	63.9	51.2	76.8





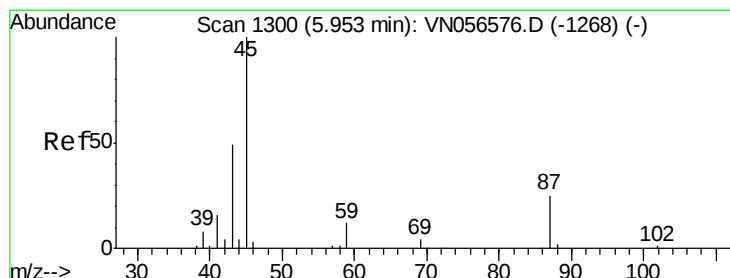
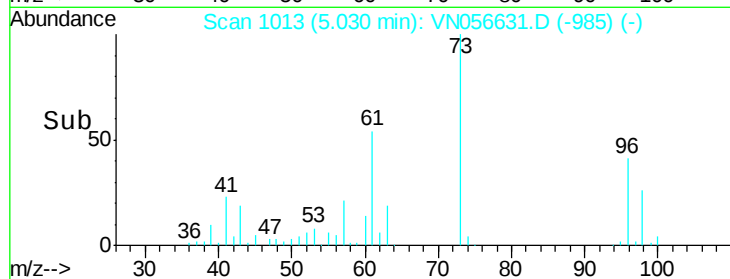
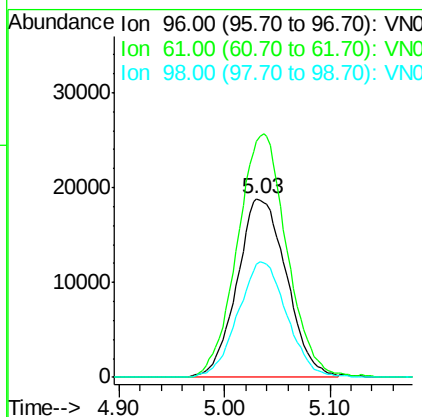
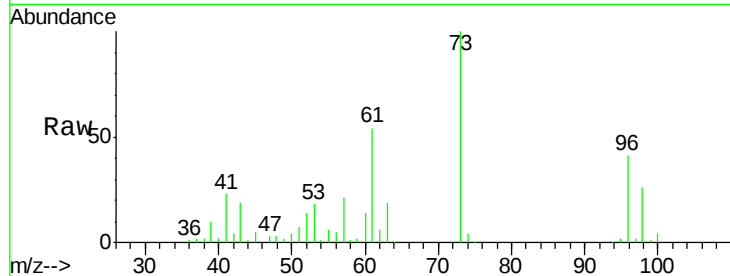
#19
trans-1,2-Dichloroethene
Concen: 19.172 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	102.5	153.7
98	63.3	46.9	70.3

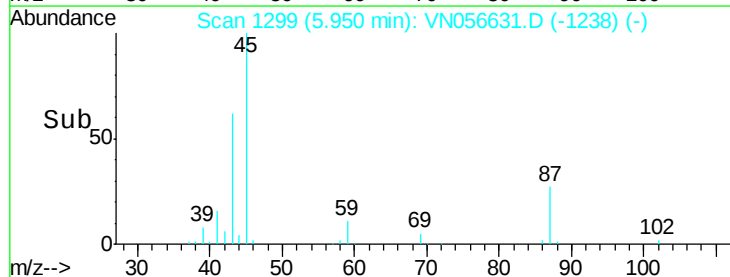
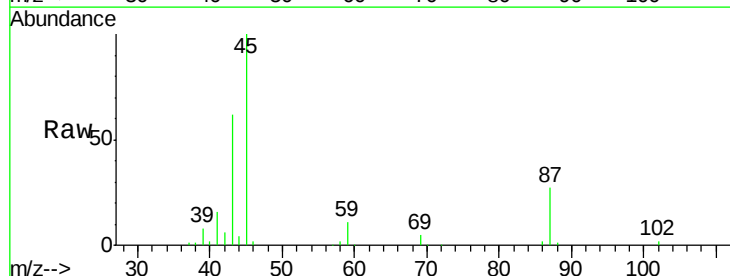
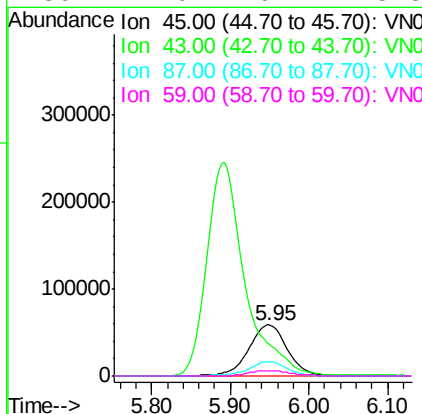
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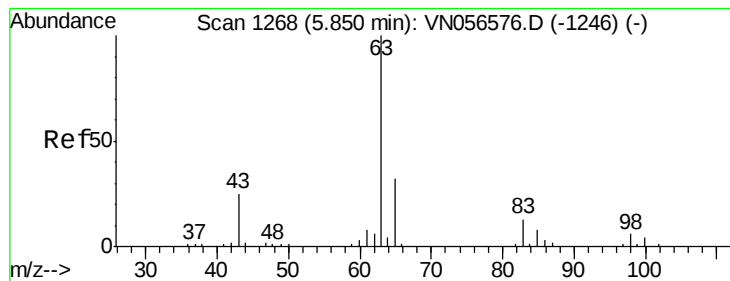
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#20
Diisopropyl ether
Concen: 19.074 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.0	72.0
87	27.1	23.4	35.2
59	11.0	9.2	13.8





#21

1,1-Dichloroethane

Concen: 19.216 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

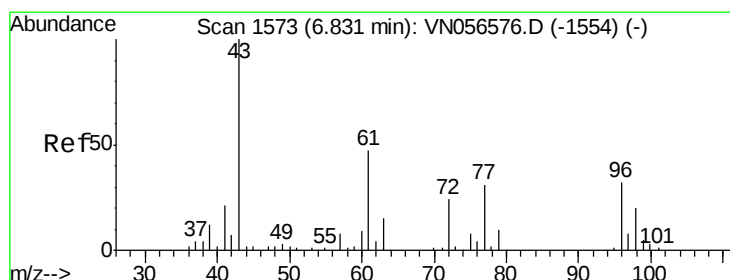
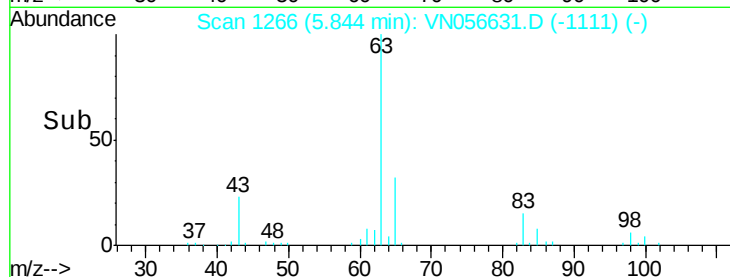
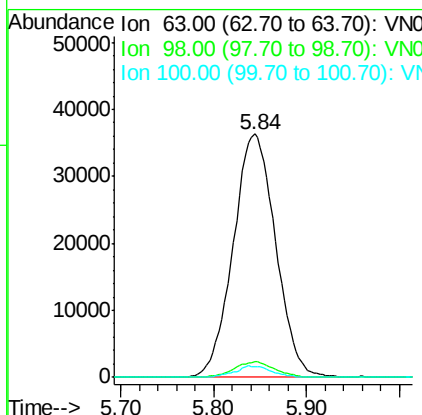
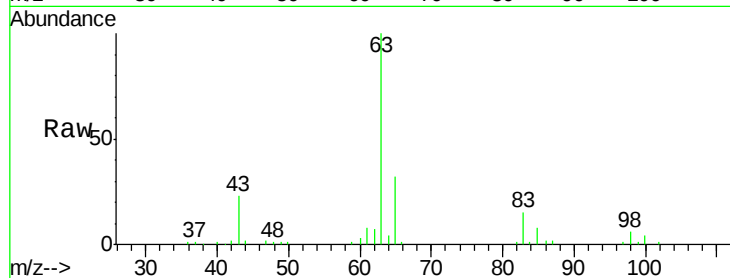
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	11520
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.5	10.5
100	4.4	2.3	6.9

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.809 ug/l

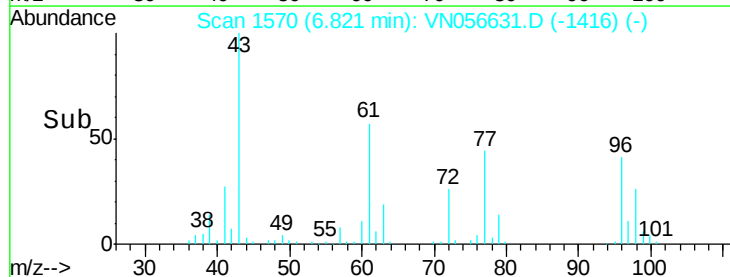
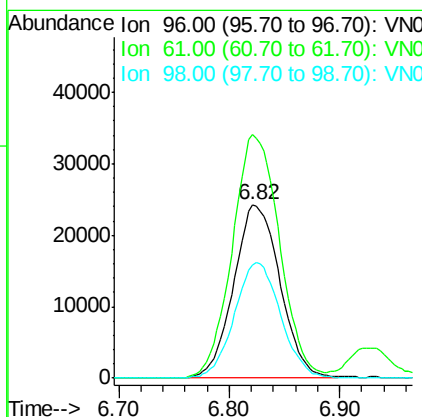
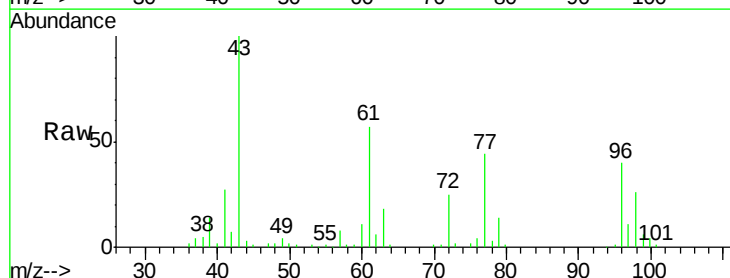
RT: 6.82 min Scan# 1570

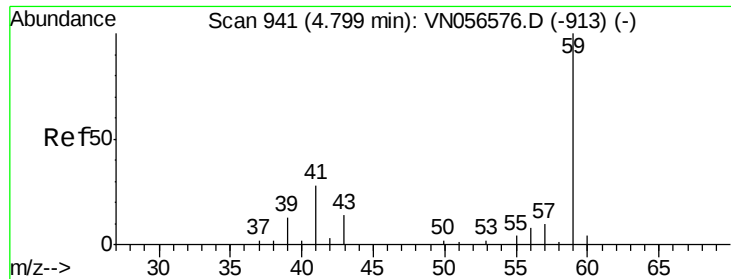
Delta R.T. -0.01 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Tgt Ion:	96	Resp:	70711
Ion Ratio	Lower	Upper	
96	100		
61	143.0	105.7	158.5
98	66.1	52.0	78.0





#23

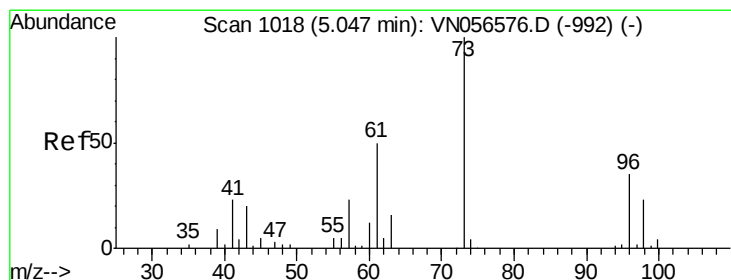
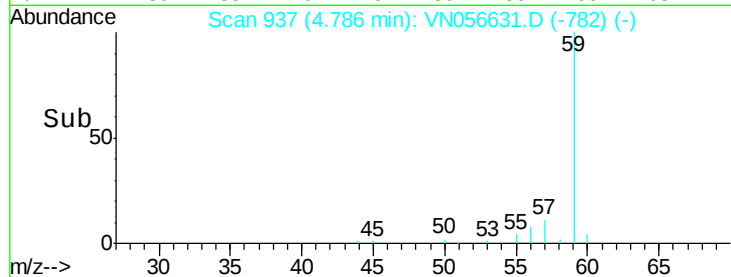
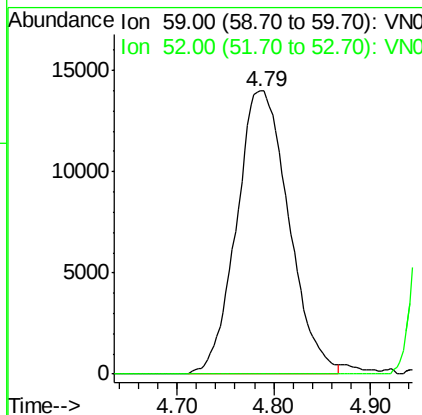
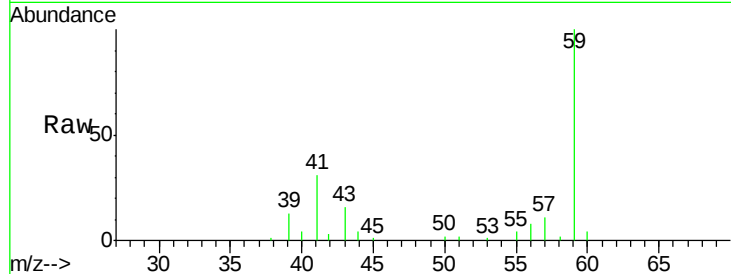
tert-Butyl Alcohol
 Concen: 80.401 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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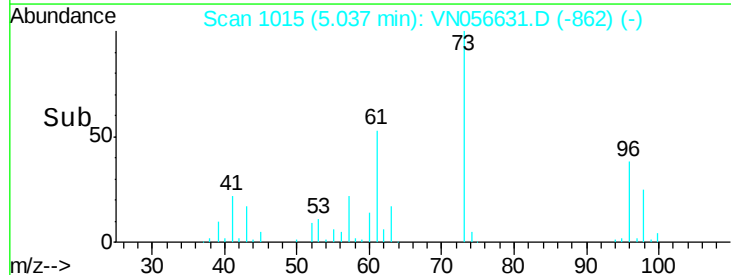
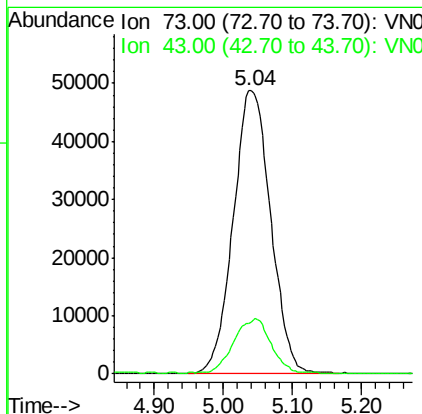
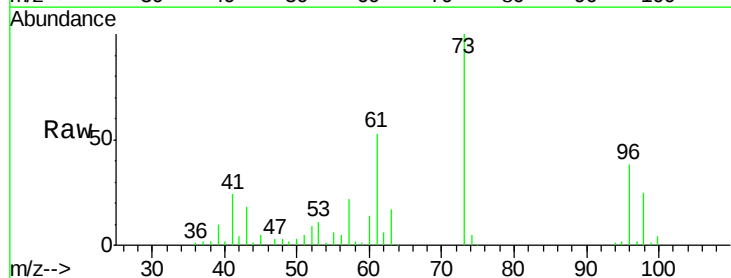
MMDadoda
 7/10/2019 9:24:47 AM

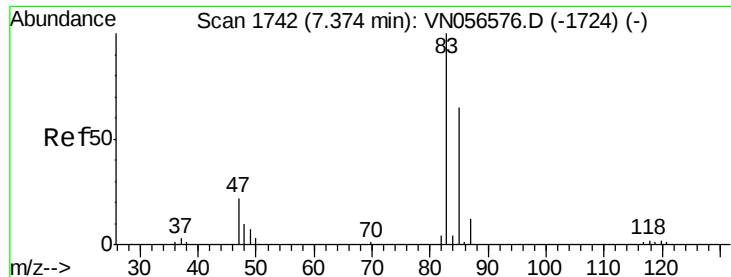


#24

Methyl tert-Butyl Ether
 Concen: 18.846 ug/l
 RT: 5.04 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.4	23.0





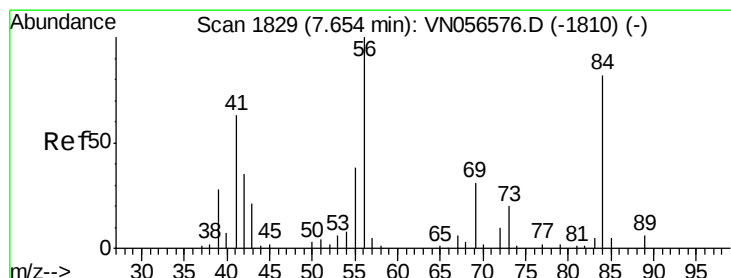
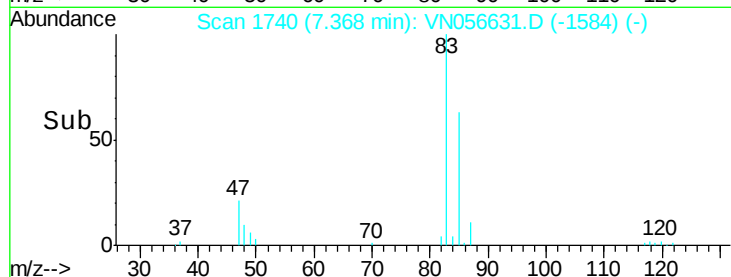
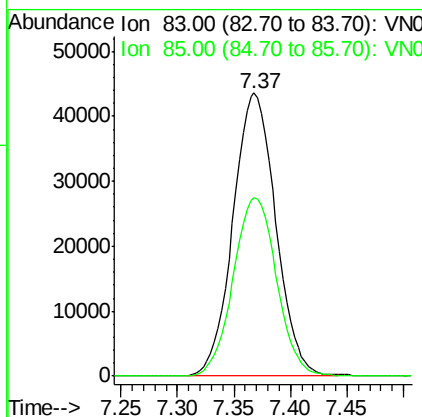
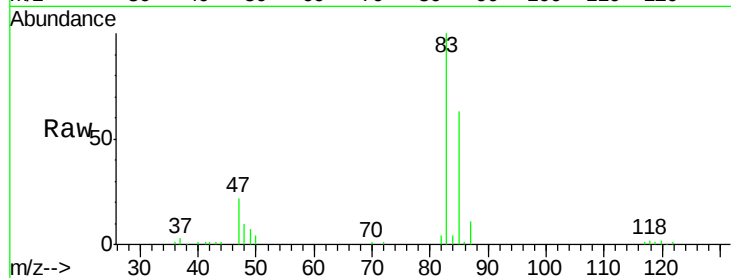
#25
Chloroform
Concen: 19.457 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 114648
Ion Ratio Lower Upper
83 100
85 63.2 52.0 78.0

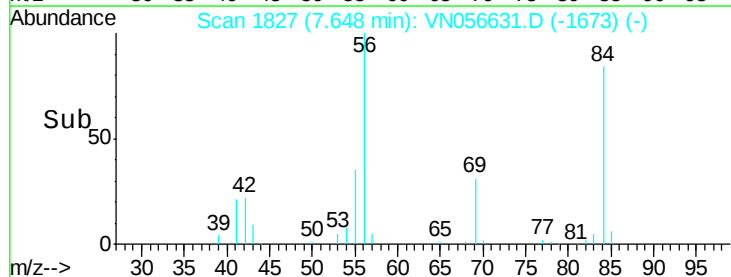
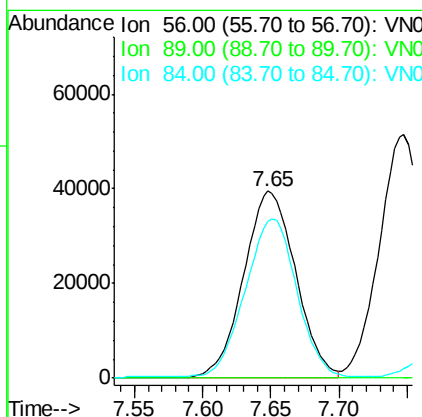
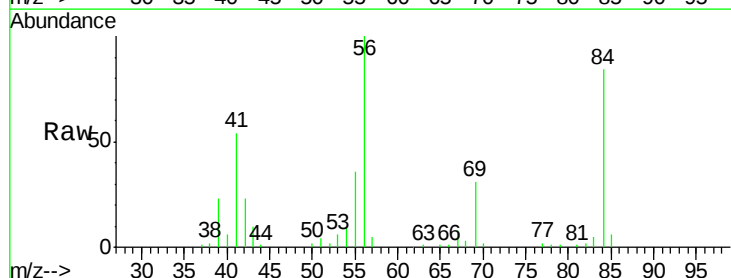
Manual Integrations
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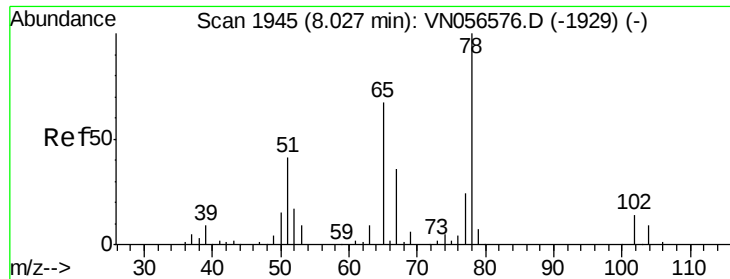
MMDadoda
7/10/2019 9:24:47 AM



#26
Cyclohexane
Concen: 18.926 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 56 Resp: 104797
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.2 70.1 105.1





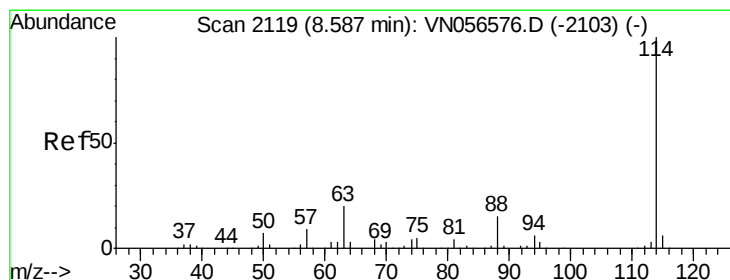
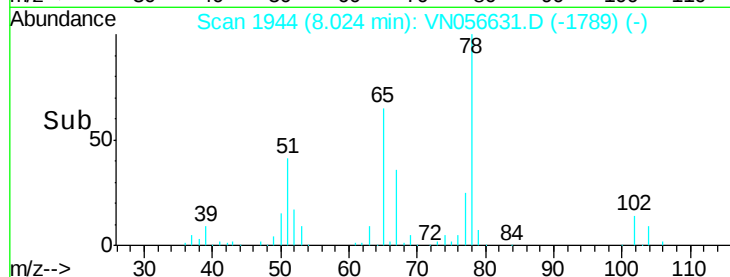
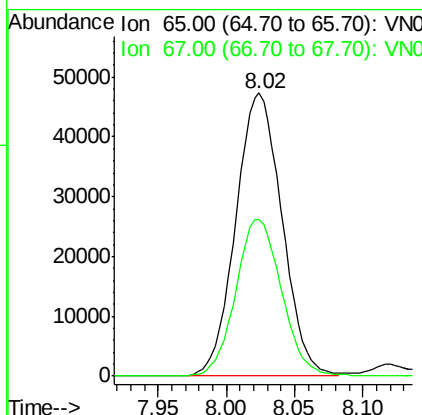
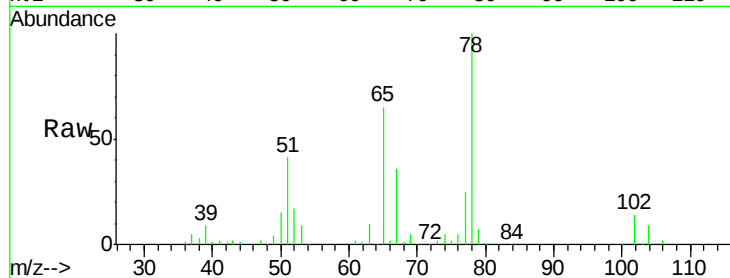
#27
 1,2-Dichloroethane-d4
 Concen: 29.935 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	43.4	65.2

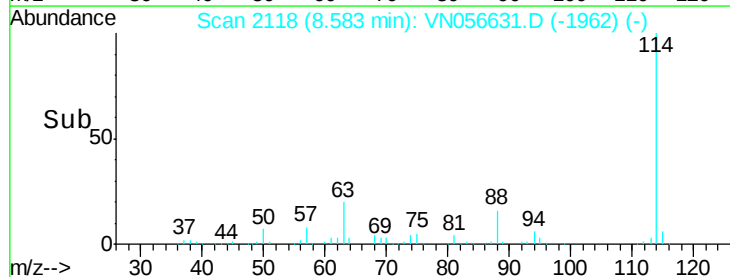
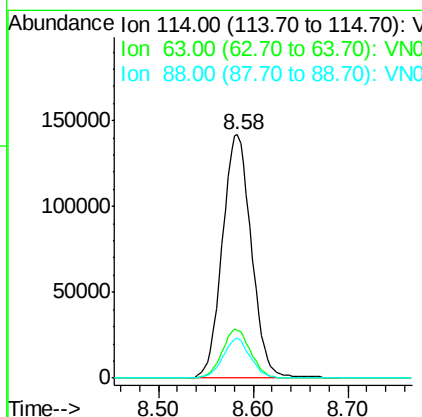
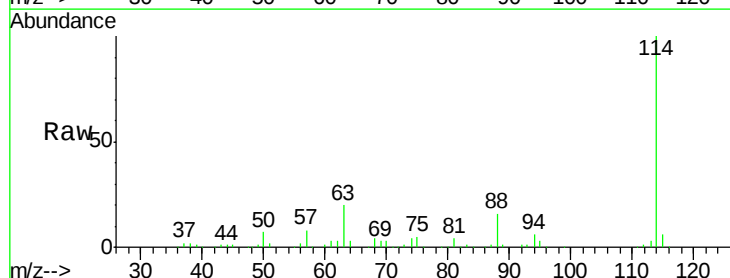
Manual Integrations
 APPROVED

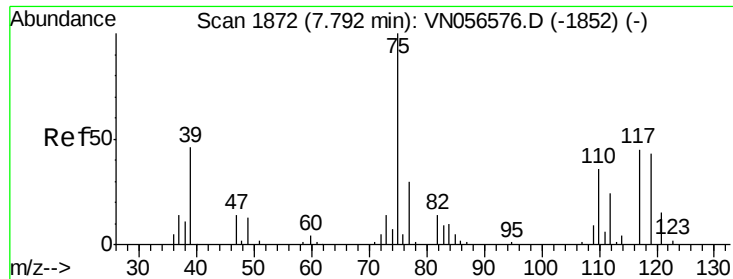
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	14.7	22.1
88	15.4	11.9	17.9





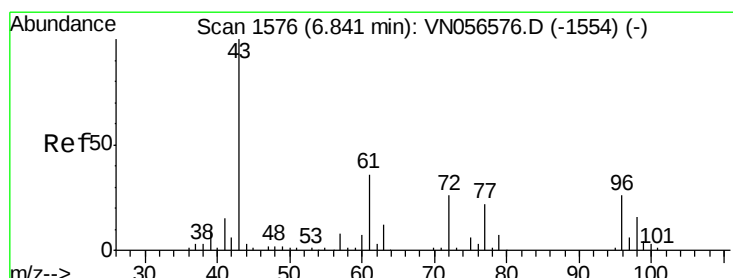
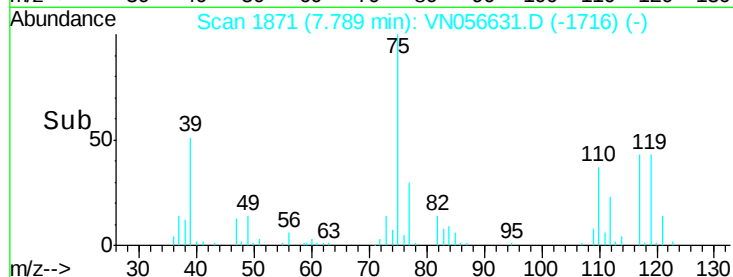
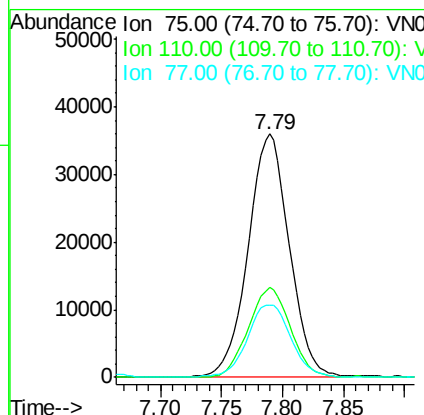
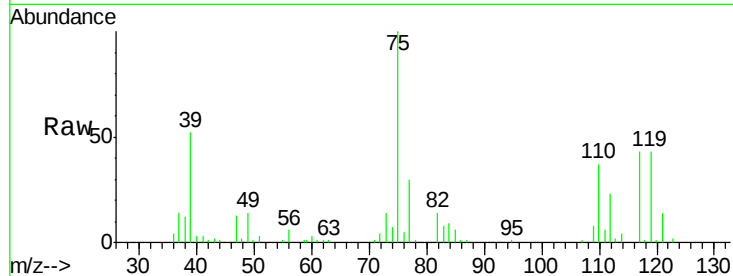
#29
 1,1-Dichloropropene
 Concen: 18.772 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.5	0.0	77.0
77	31.5	0.0	62.4

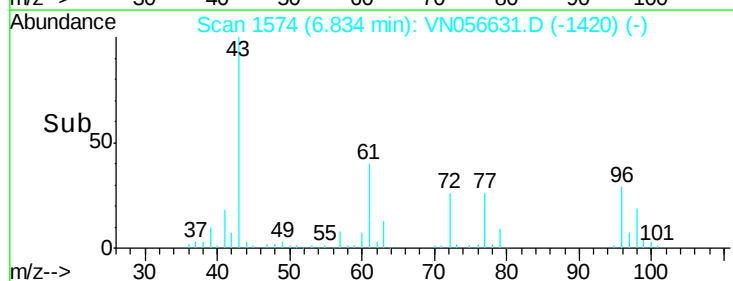
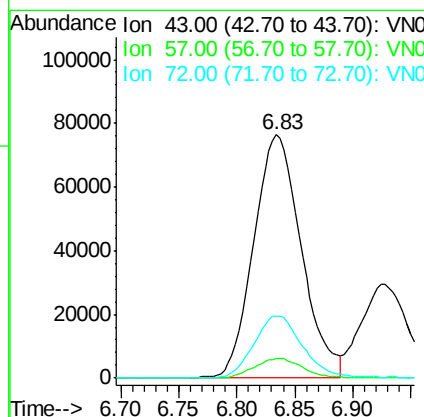
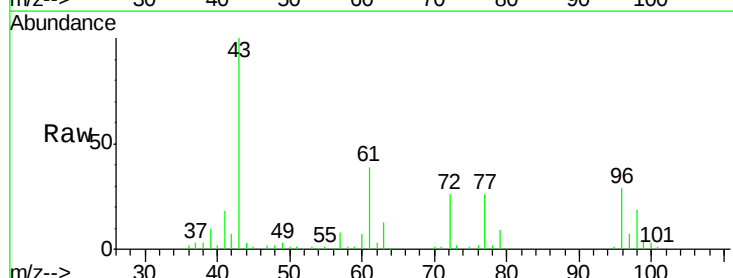
Manual Integrations
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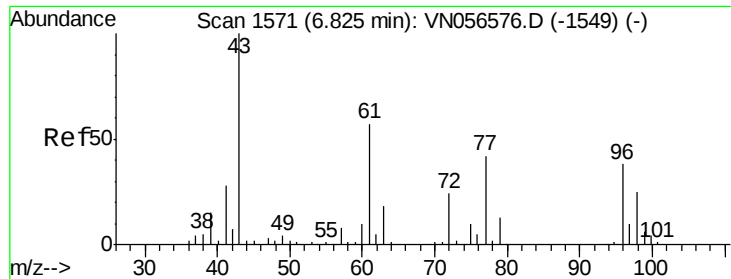
MMDadoda
 7/10/2019 9:24:47 AM



#30
 2-Butanone
 Concen: 87.547 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.7	10.1
72	26.1	22.4	33.6





#31

2,2-Dichloropropane

Concen: 19.062 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 82071

Ion Ratio Lower Upper

77 100

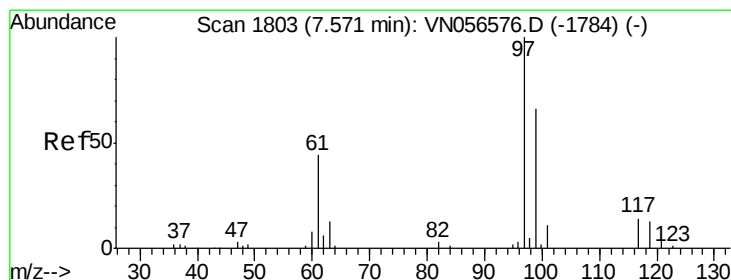
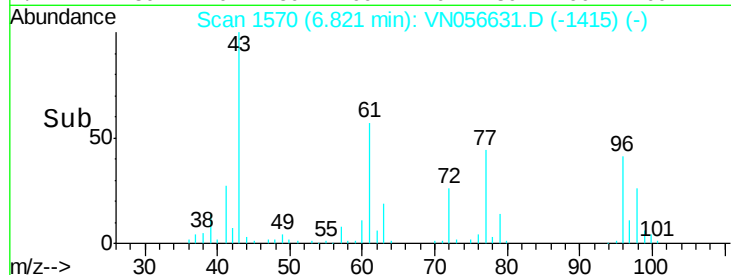
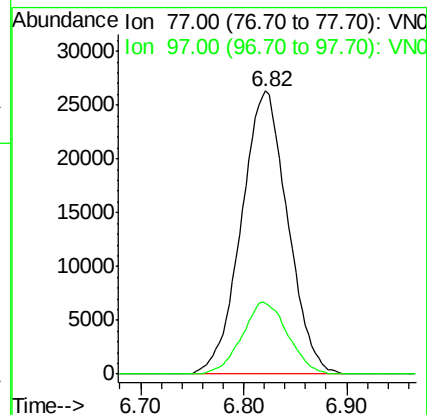
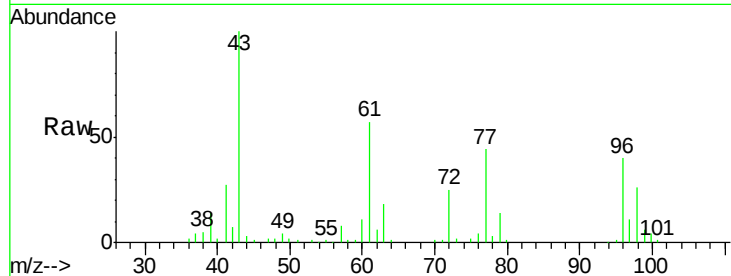
97 25.0 20.8 31.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.995 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

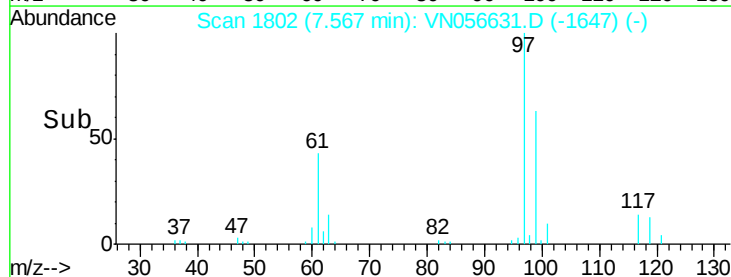
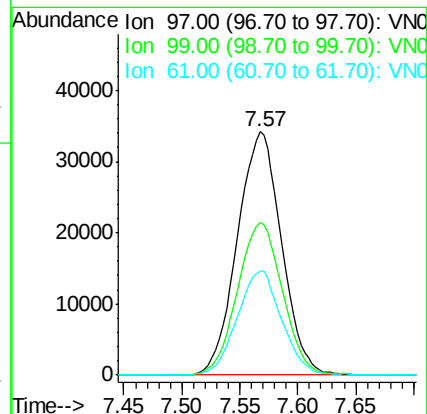
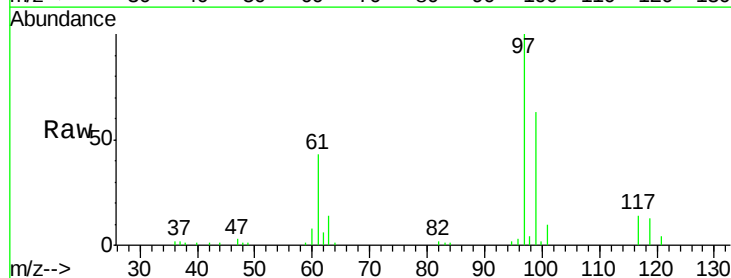
Tgt Ion: 97 Resp: 90671

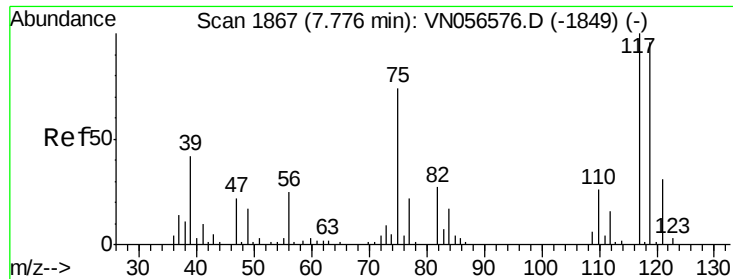
Ion Ratio Lower Upper

97 100

99 63.7 51.5 77.3

61 42.9 32.9 49.3





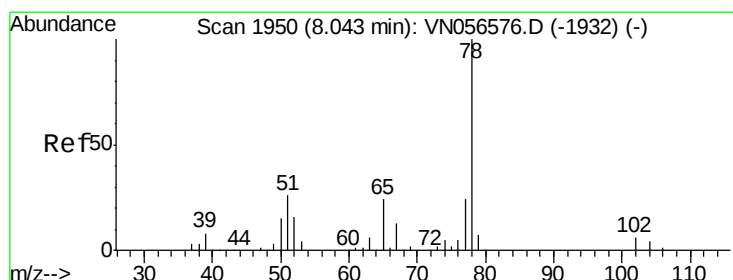
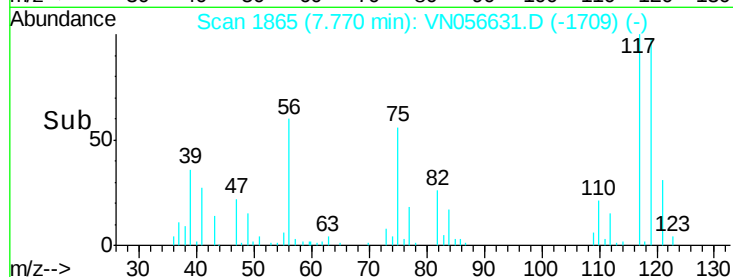
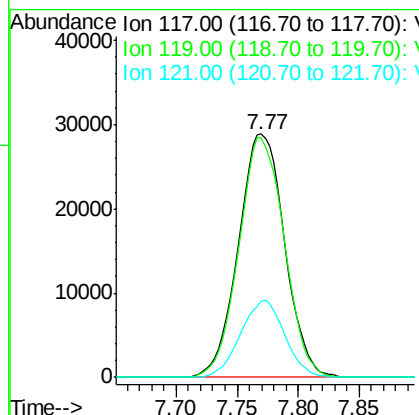
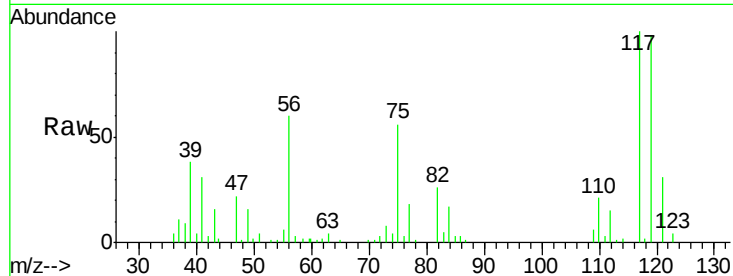
#33
Carbon Tetrachloride
Concen: 18.767 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 75940
Ion Ratio Lower Upper
117 100
119 98.4 77.3 115.9
121 31.0 25.0 37.4

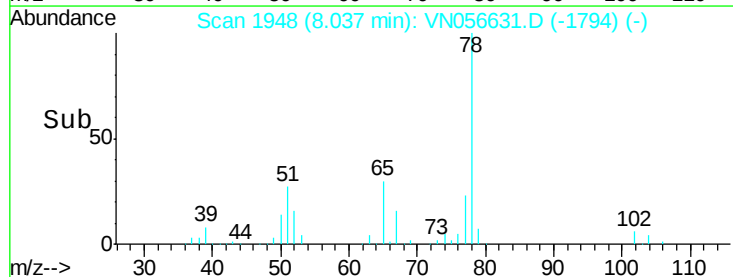
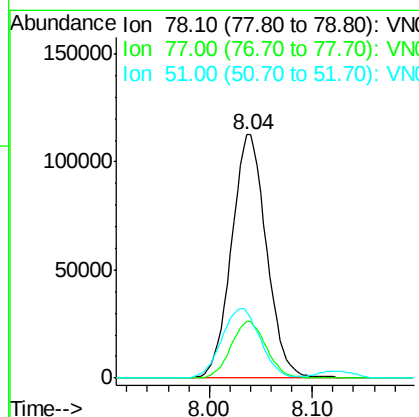
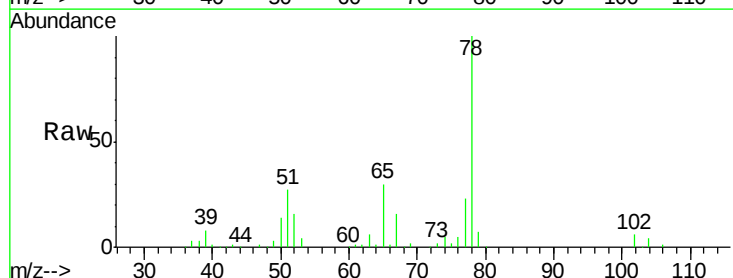
Manual Integrations
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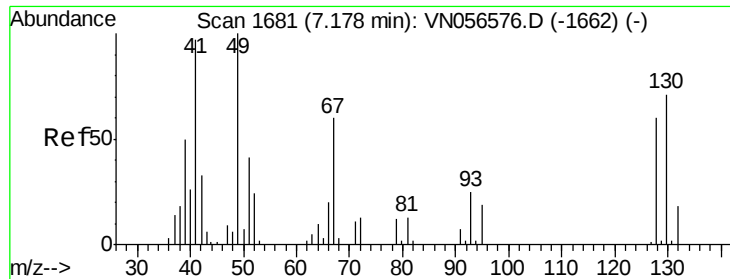
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#34
Benzene
Concen: 18.993 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 78 Resp: 265937
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9
51 26.9 19.8 29.8





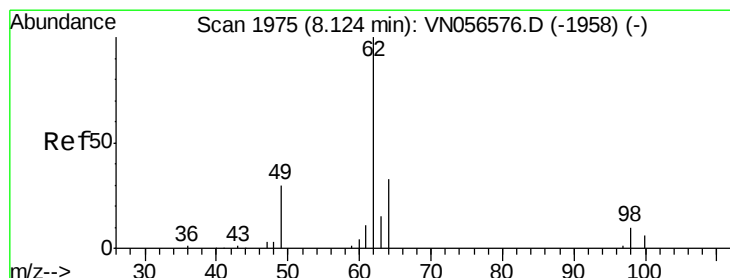
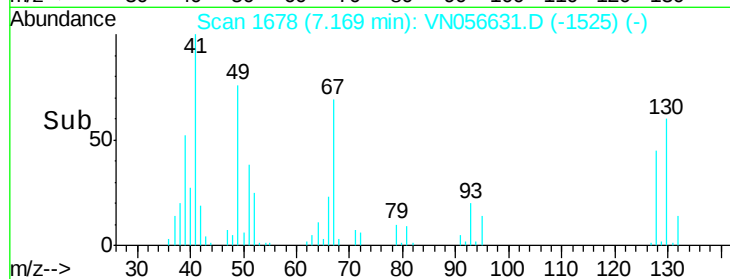
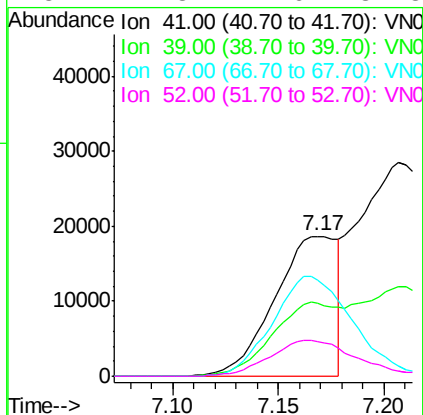
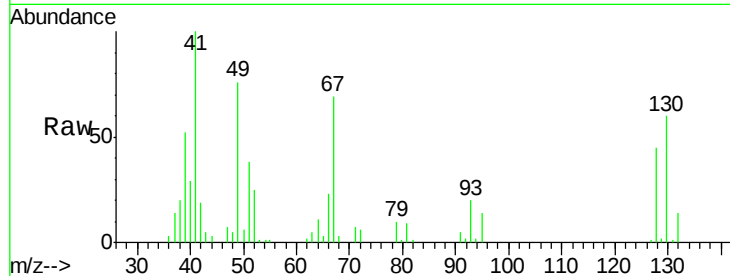
#35
Methacrylonitrile
Concen: 17.479 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41	Resp	38532
Ion	Ratio	Lower	Upper
41	100		
39	51.9	24.8	74.3
67	69.1	34.3	102.9
52	24.8	12.6	37.8

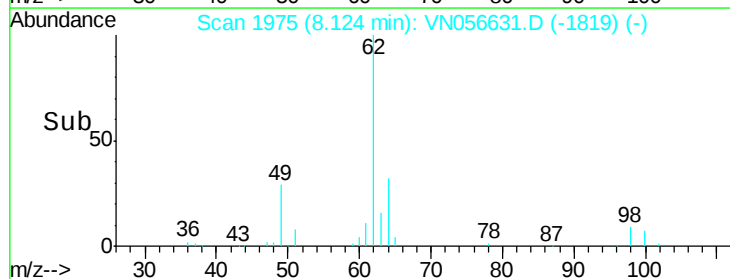
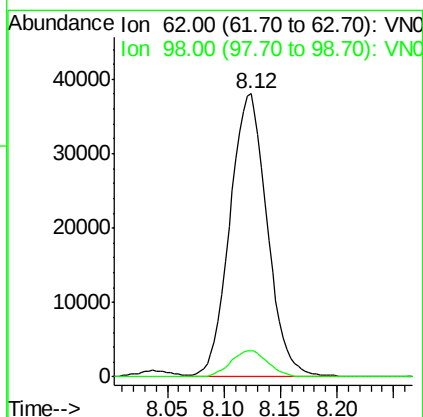
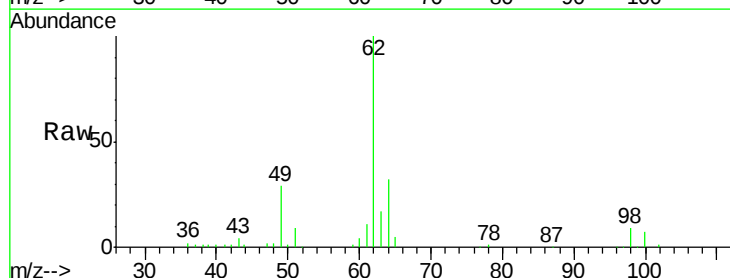
Manual Integrations
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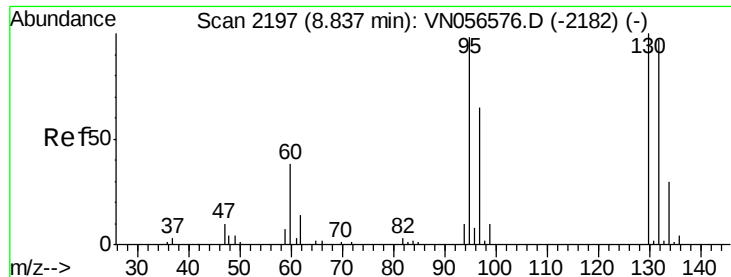
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#36
1,2-Dichloroethane
Concen: 19.237 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	62	Resp	87545
Ion	Ratio	Lower	Upper
62	100		
98	9.2	8.6	13.0





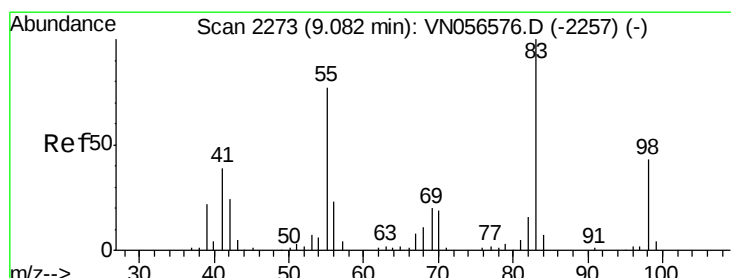
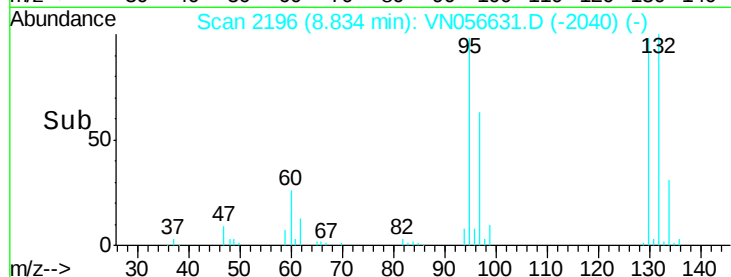
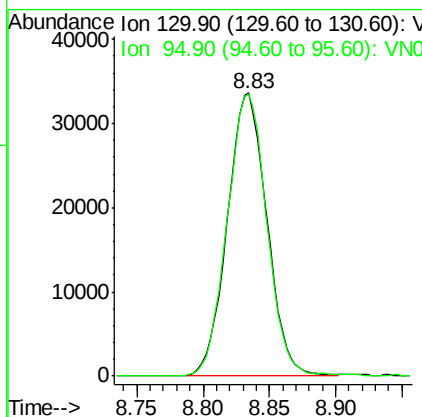
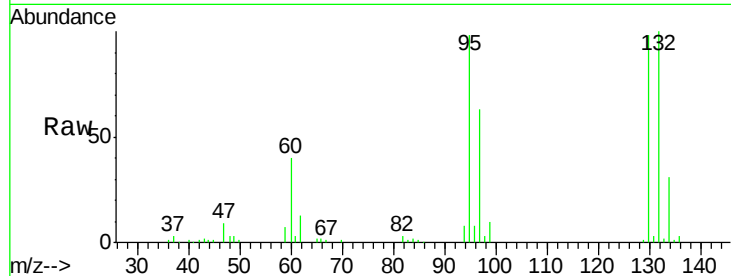
#37
 Trichloroethene
 Concen: 19.104 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 69763
 Ion Ratio Lower Upper
 130 100
 95 99.3 73.0 109.6

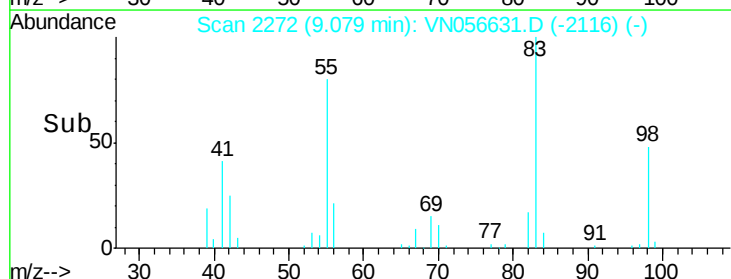
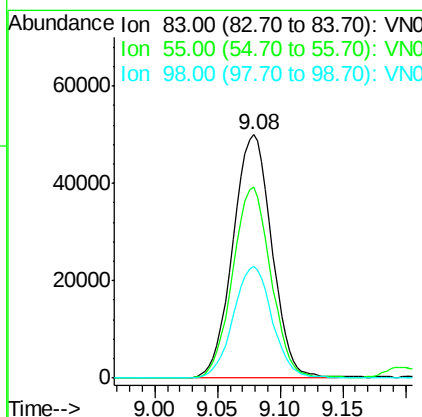
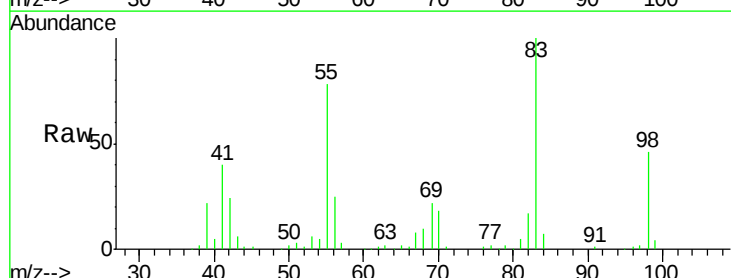
Manual Integrations
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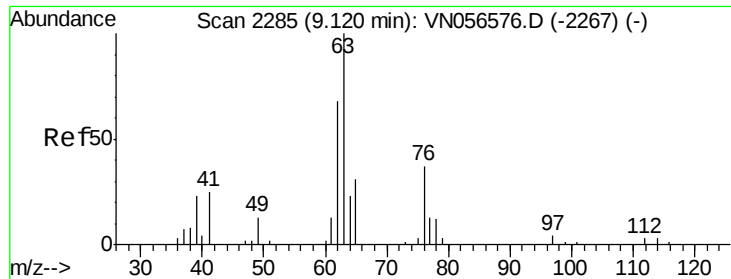
MMDadoda
 7/10/2019 9:24:47 AM



#38
 Methylcyclohexane
 Concen: 19.267 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion: 83 Resp: 108119
 Ion Ratio Lower Upper
 83 100
 55 76.7 37.5 112.7
 98 45.7 23.1 69.3





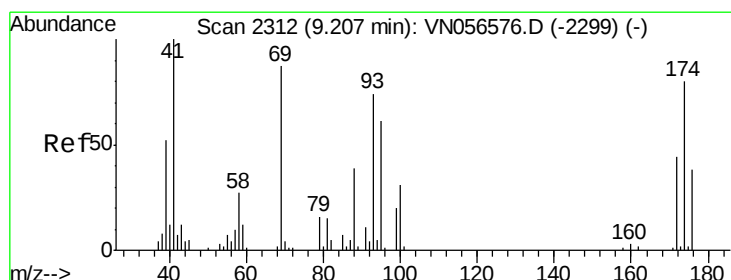
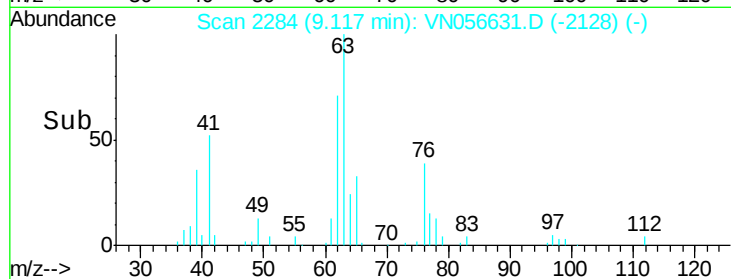
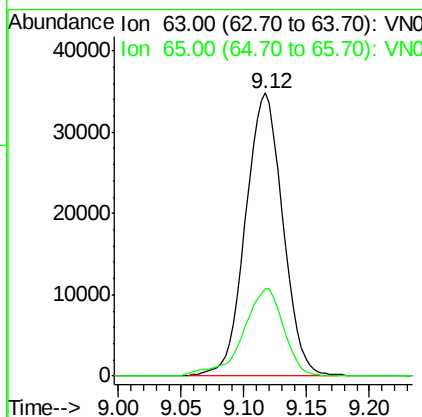
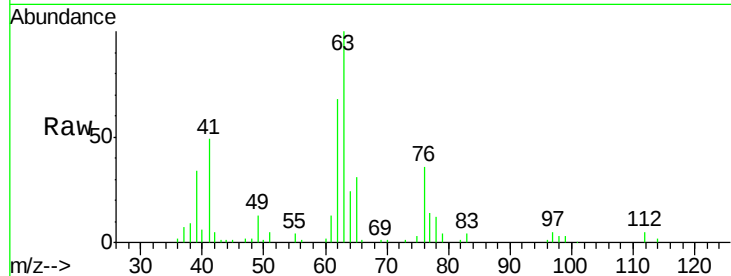
#39
 1,2-Dichloropropane
 Concen: 19.136 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 72126
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.1 34.7

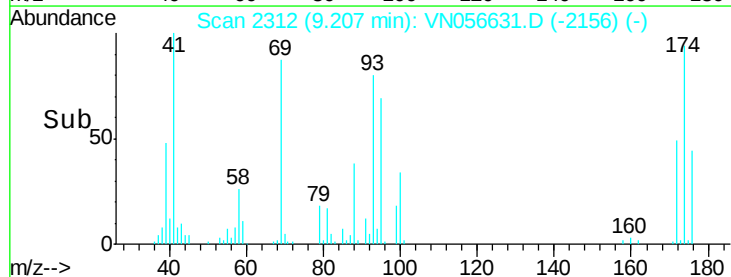
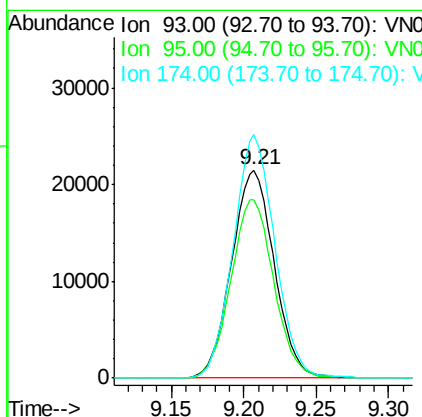
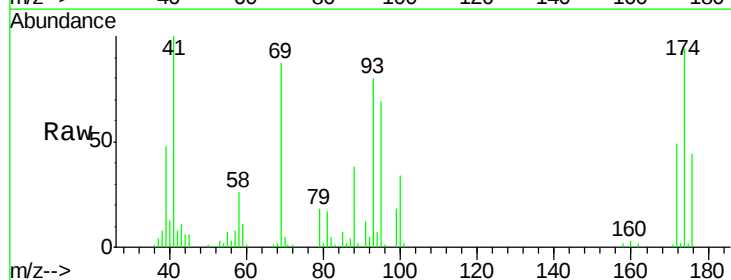
Manual Integrations
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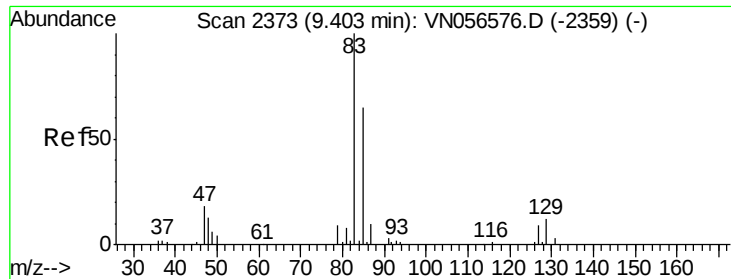
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#40
 Dibromomethane
 Concen: 18.913 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion: 93 Resp: 44065
 Ion Ratio Lower Upper
 93 100
 95 85.6 0.0 169.0
 174 113.8 0.0 246.4





#41

Bromodichloromethane

Concen: 19.223 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

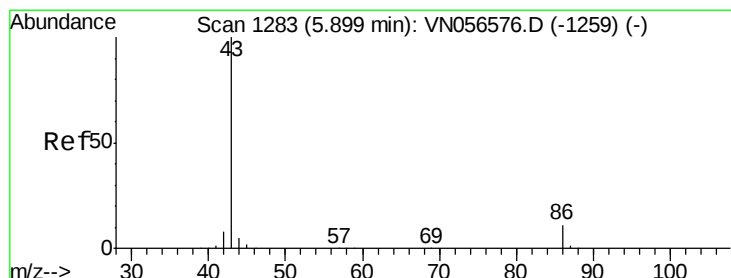
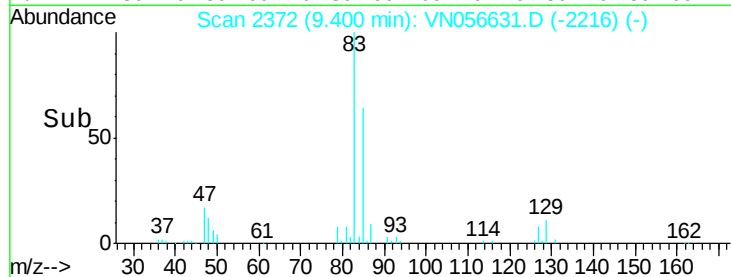
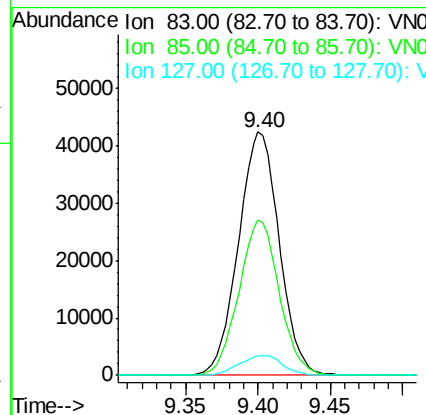
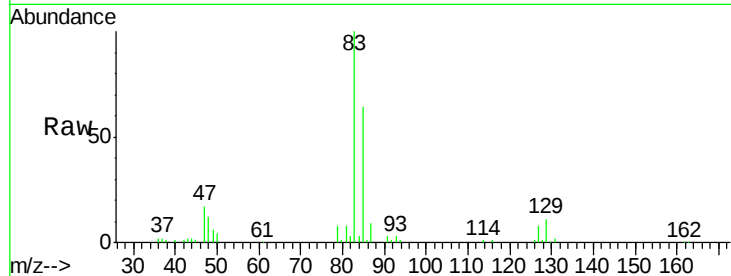
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	83008
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.8	77.6
127	8.1	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 93.045 ug/l

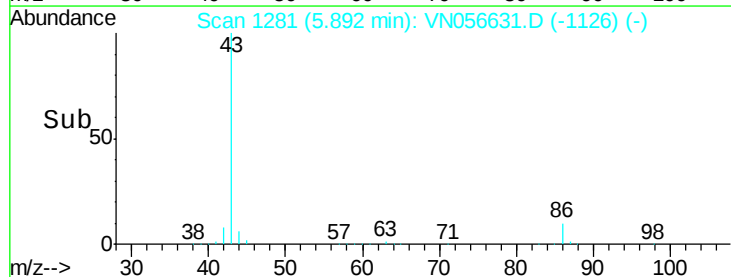
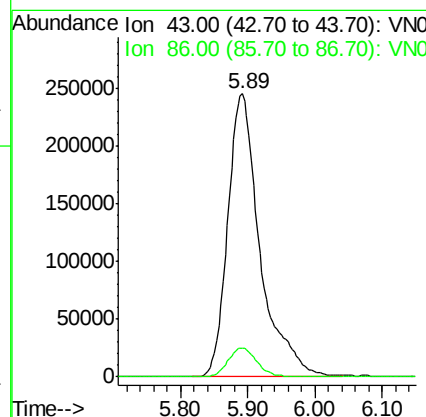
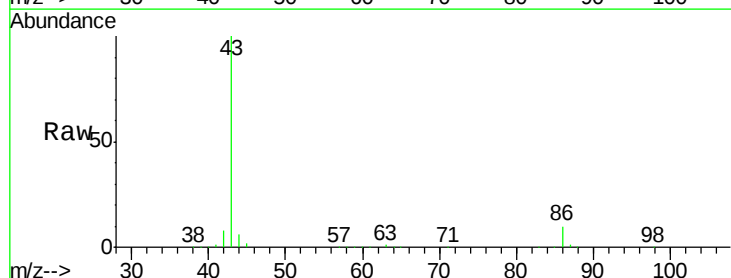
RT: 5.89 min Scan# 1281

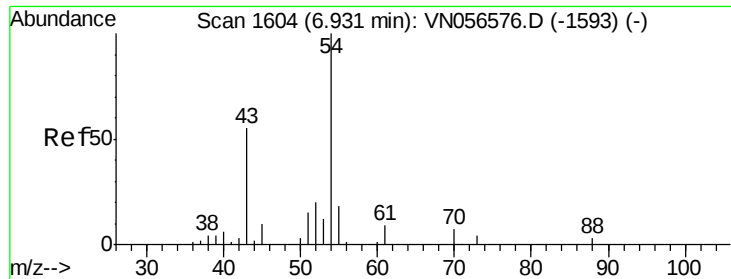
Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Tgt Ion:	43	Resp:	822390
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.9	11.9





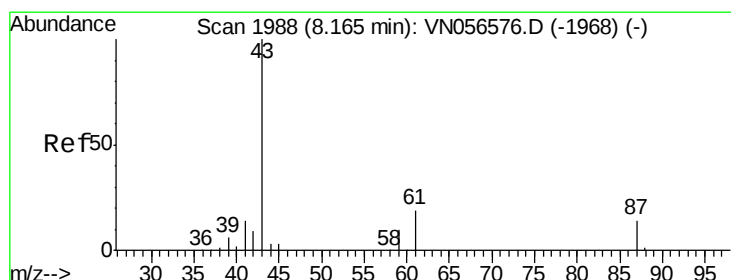
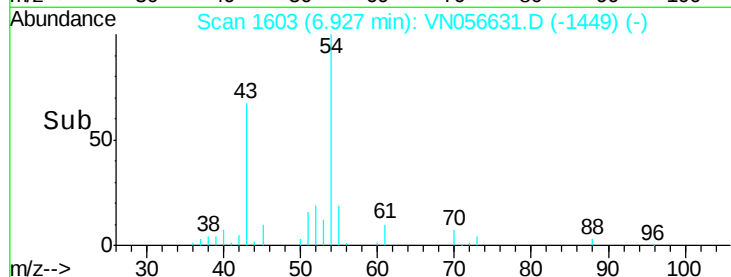
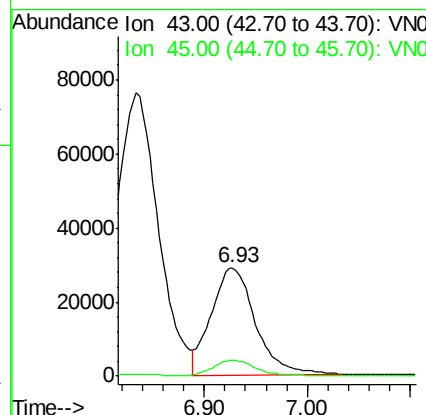
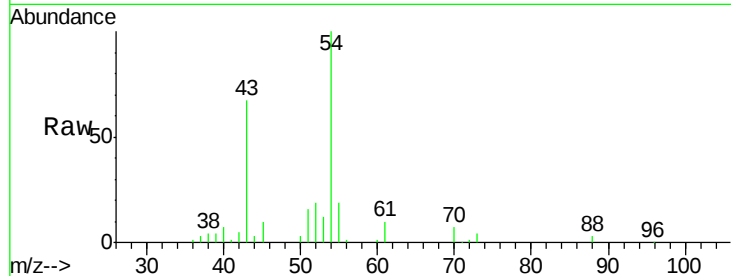
#43
Ethyl Acetate
Concen: 17.830 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	45	Ratio	Lower	Upper
85616	100	14.4		12.3	18.5

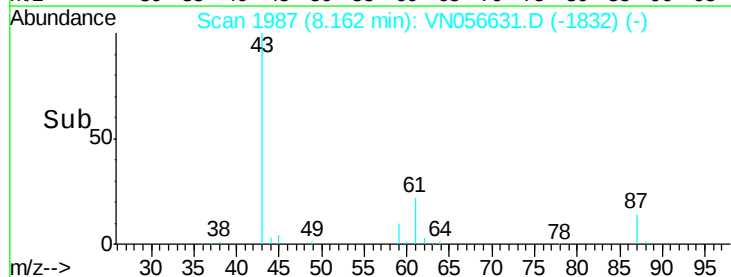
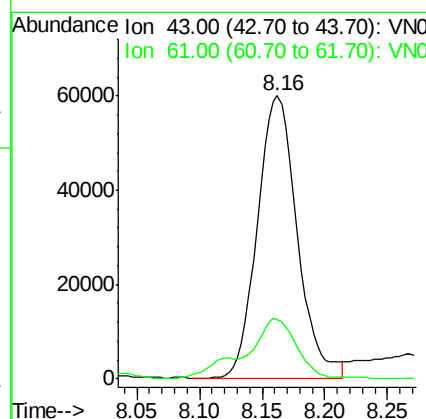
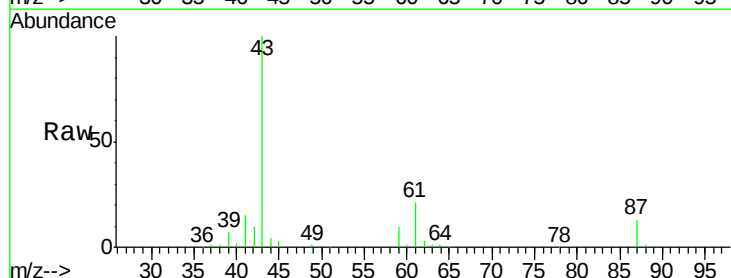
Manual Integrations
APPROVED

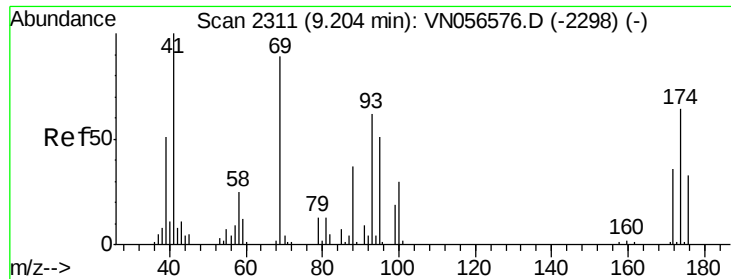
MMDadoda
7/10/2019 9:24:47 AM



#44
Isopropyl Acetate
Concen: 17.658 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	43	61	Ratio	Lower	Upper
132288	100	20.2		16.9	25.3





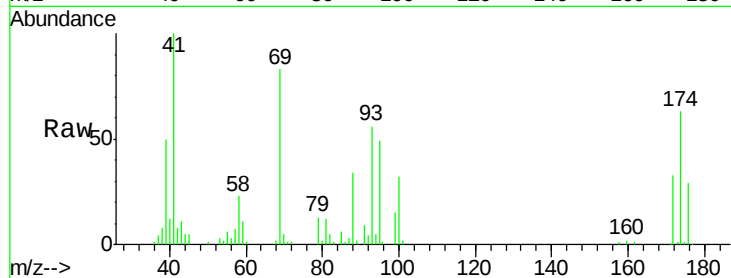
#45
 1,4-Dioxane
 Concen: 354.480 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	19.8	29.6
58	69.2	48.5	72.7

Manual Integrations
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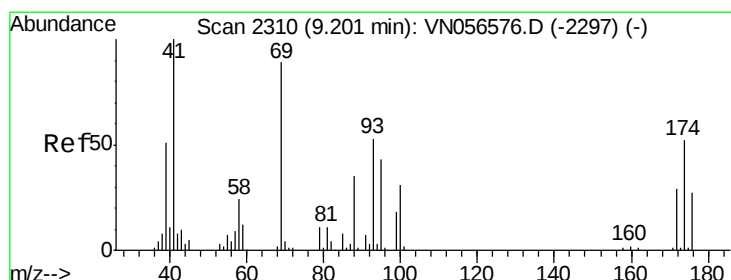
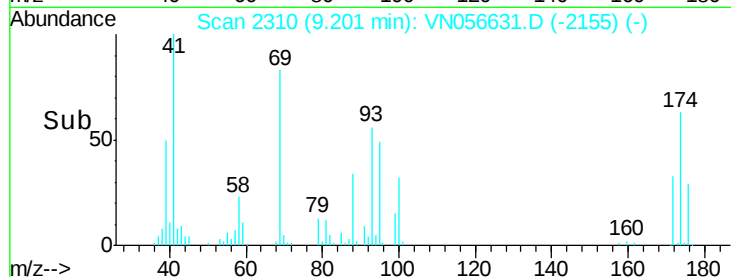
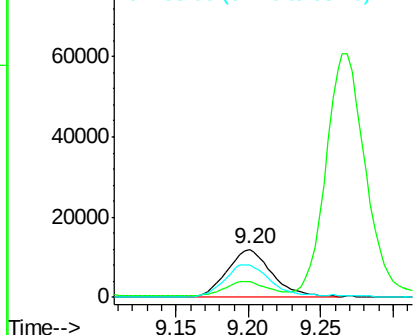


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 17.803 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

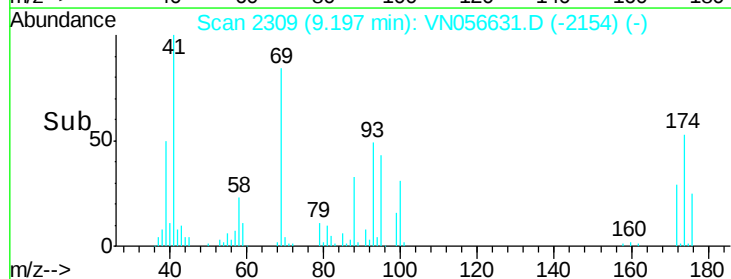
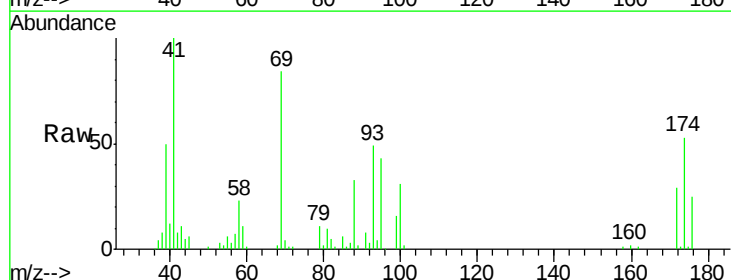
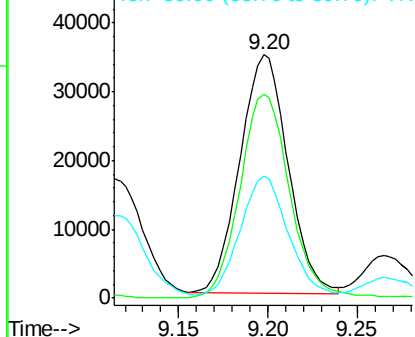
Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.8	46.0	137.8
39	49.9	24.6	73.8

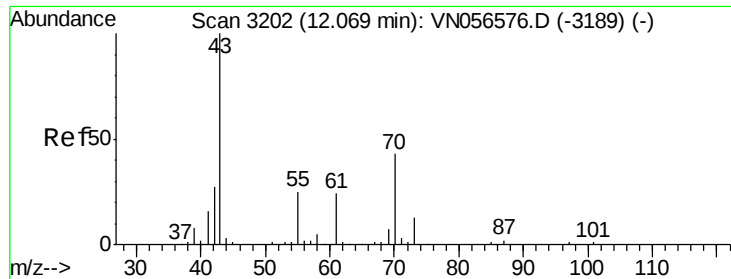
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





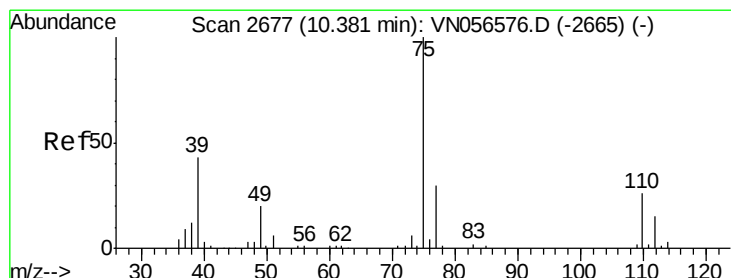
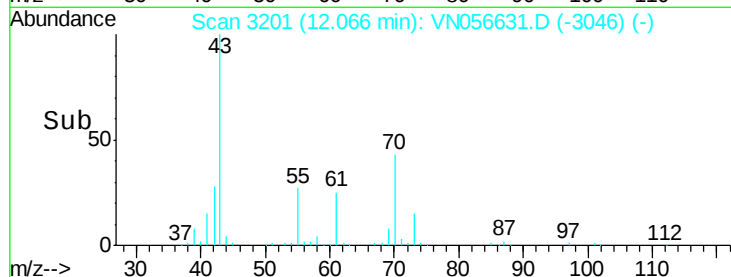
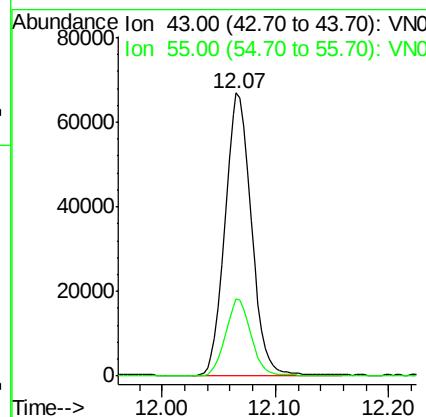
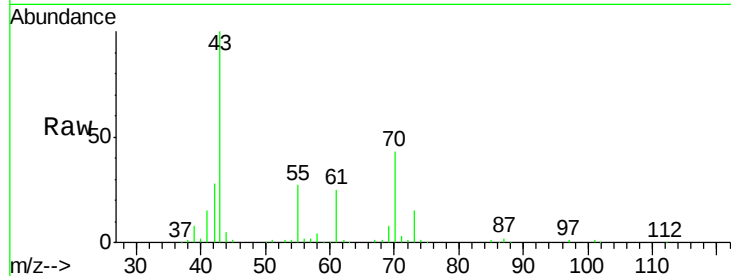
#47
n-amvl Acetate
Concen: 17.265 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 107511
Ion Ratio Lower Upper
43 100
55 26.5 19.0 28.6

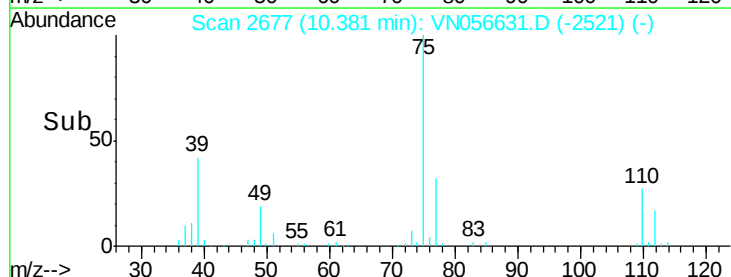
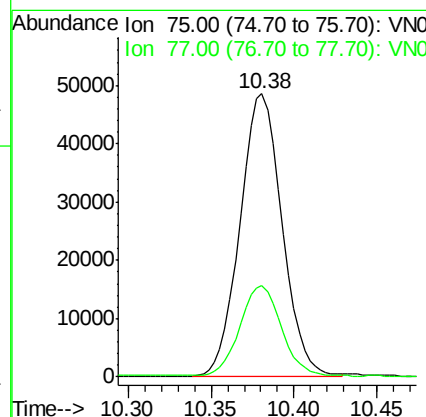
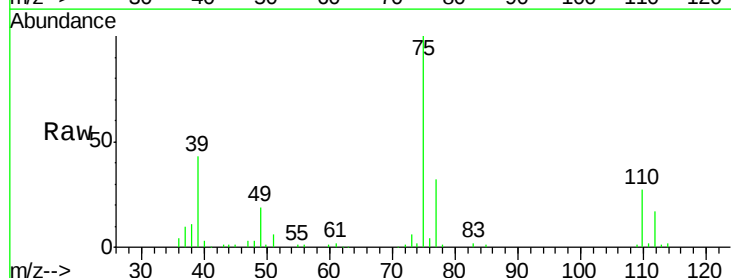
Manual Integrations
APPROVED

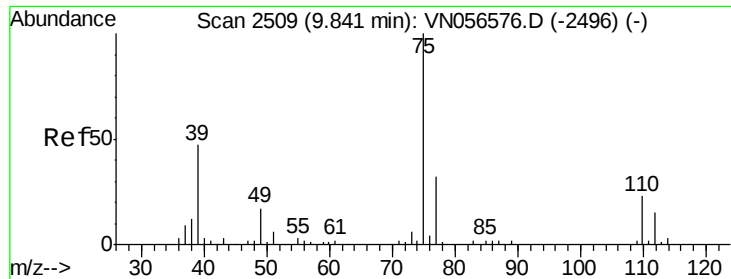
MMDadoda
7/10/2019 9:24:47 AM



#48
t-1,3-Dichloropropene
Concen: 18.553 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 75 Resp: 85865
Ion Ratio Lower Upper
75 100
77 31.6 26.0 39.0





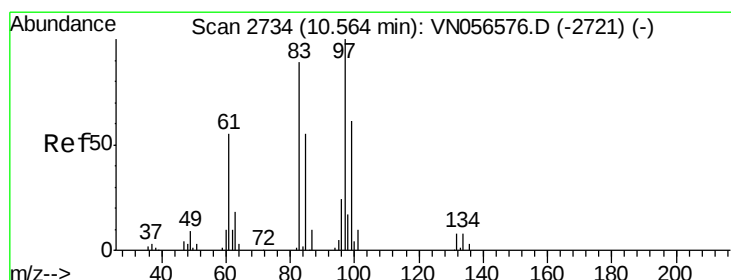
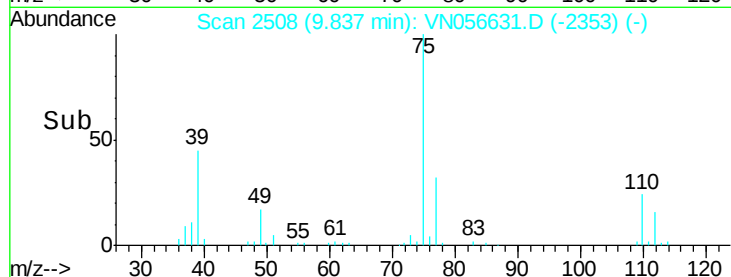
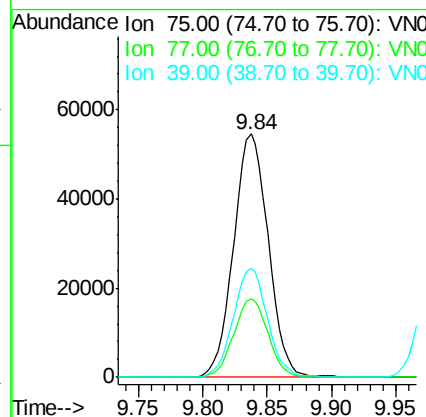
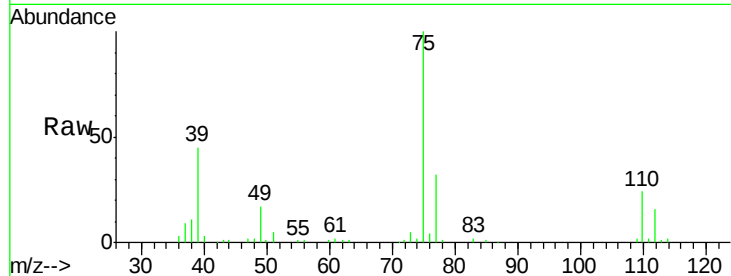
#49
 cis-1,3-Dichloropropene
 Concen: 19.136 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7
39	44.6	34.3	51.5

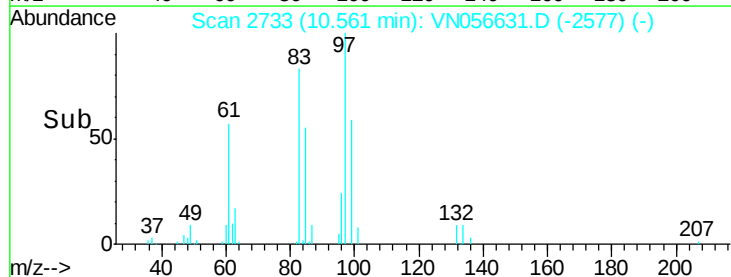
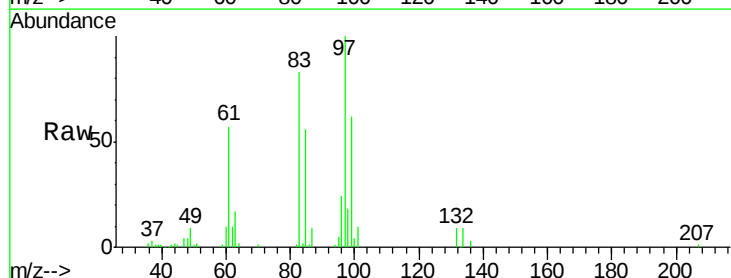
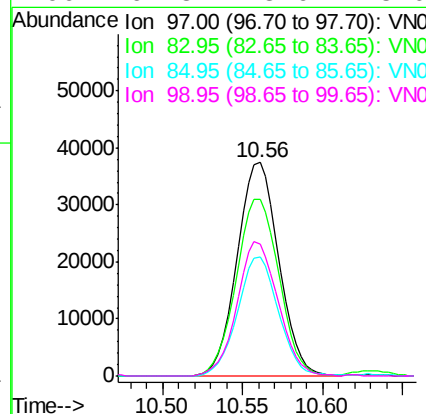
Manual Integrations
 APPROVED

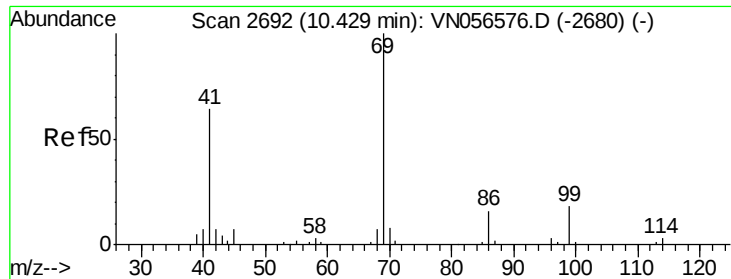
MMDadoda
 7/10/2019 9:24:47 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.402 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.9	100.3
85	55.9	43.3	64.9
99	61.8	48.6	73.0





#51

Ethyl methacrylate

Concen: 17.966 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

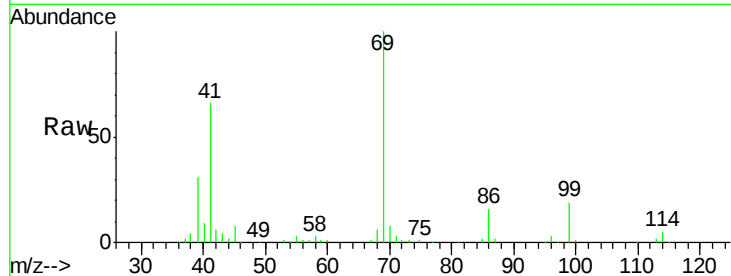
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	97122
Ion Ratio	Lower	Upper	
69	100		
41	65.6	30.8	92.3
39	30.2	14.5	43.6

Manual Integrations
APPROVED

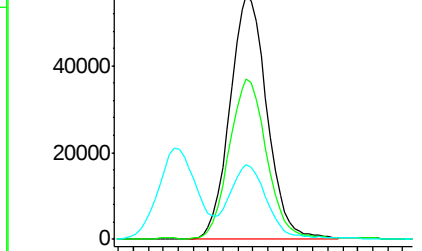
MMDadoda
7/10/2019 9:24:47 AM



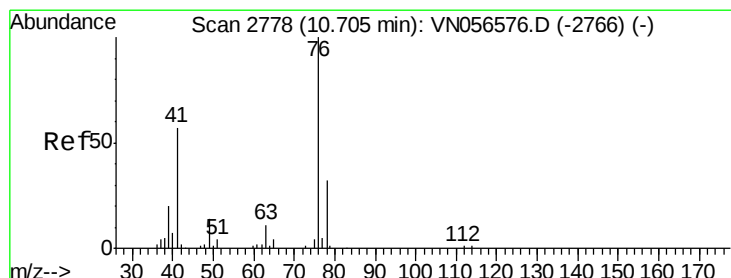
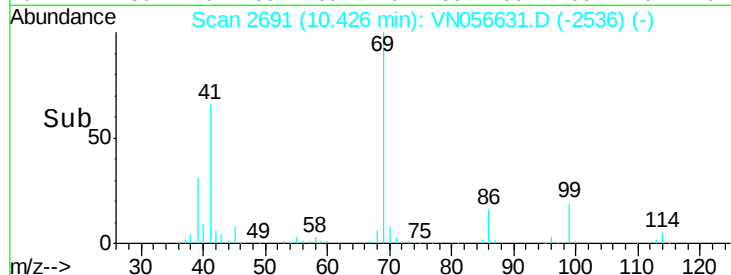
Abundance Ion 69.00 (68.70 to 69.70): VN056631.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN056631.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN056631.D (-2536) (-)



Time-->



#52

1,3-Dichloropropane

Concen: 19.241 ug/l

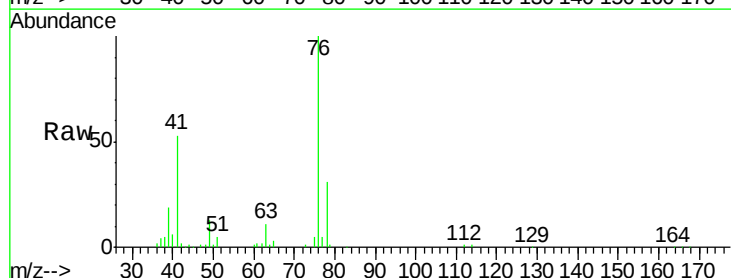
RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056631.D

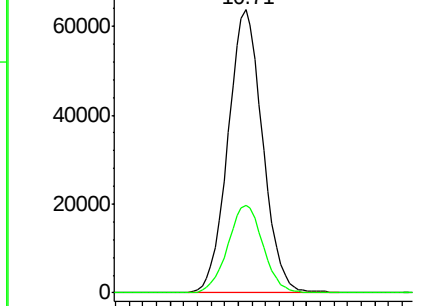
Acq: 9 Jul 2019 16:12

Tgt Ion:	76	Resp:	112226
Ion Ratio	Lower	Upper	
76	100		
78	31.6	0.0	63.4

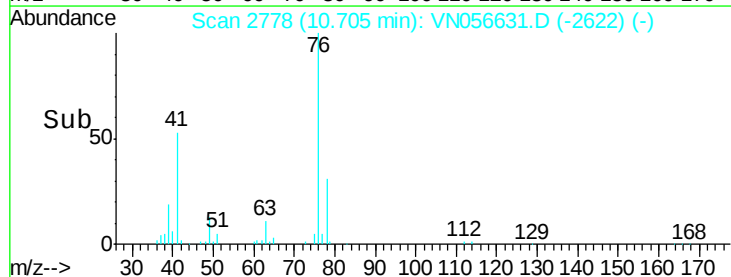


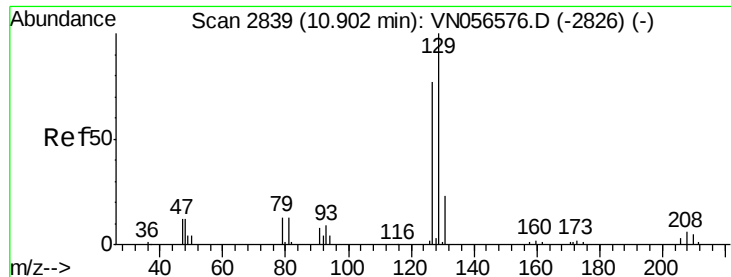
Abundance Ion 76.00 (75.70 to 76.70): VN056631.D (-2622) (-)

Ion 78.00 (77.70 to 78.70): VN056631.D (-2622) (-)



Time-->





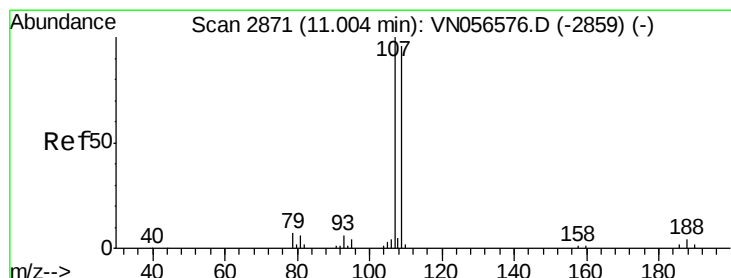
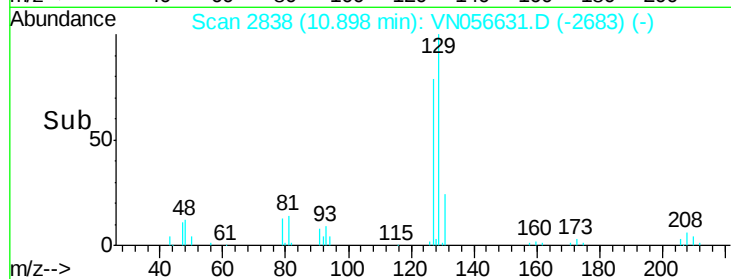
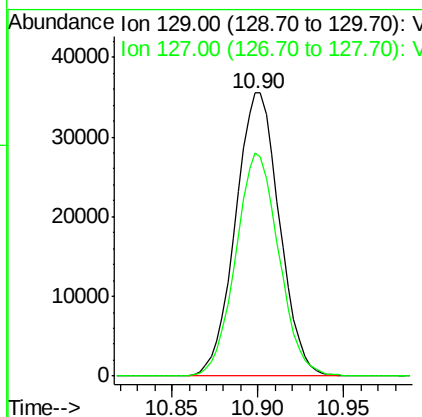
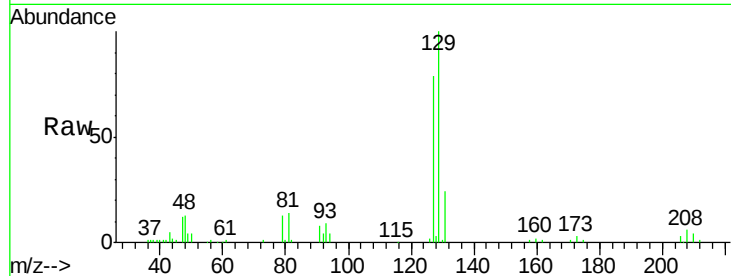
#53
 Dibromochloromethane
 Concen: 18.800 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 63247
 Ion Ratio Lower Upper
 129 100
 127 77.3 39.1 117.5

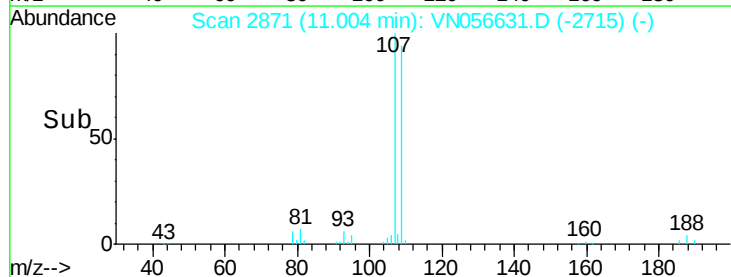
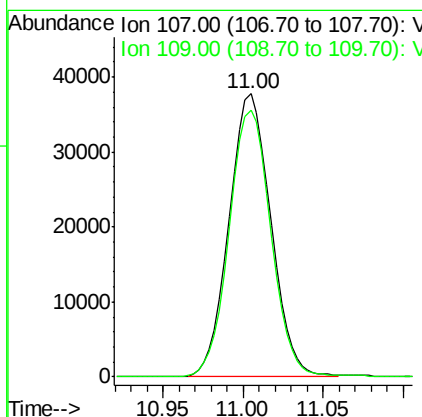
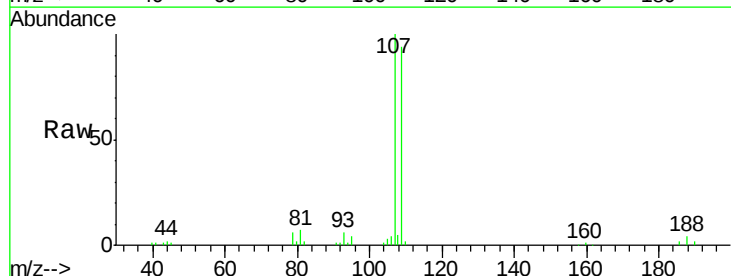
Manual Integrations
 APPROVED

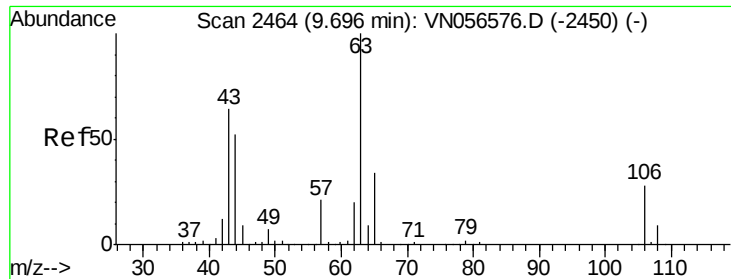
MMDadoda
 7/10/2019 9:24:47 AM



#54
 1,2-Dibromoethane
 Concen: 18.825 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion:107 Resp: 67326
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.8 115.2





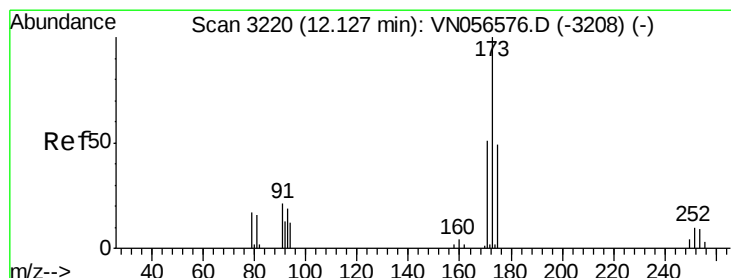
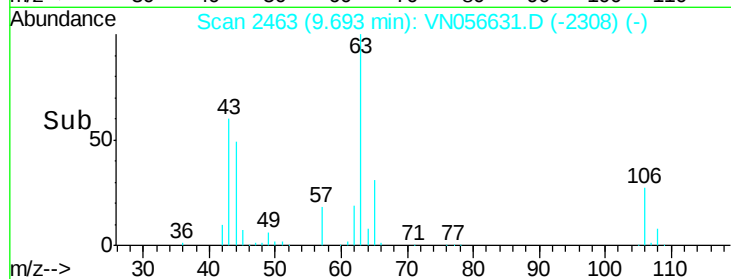
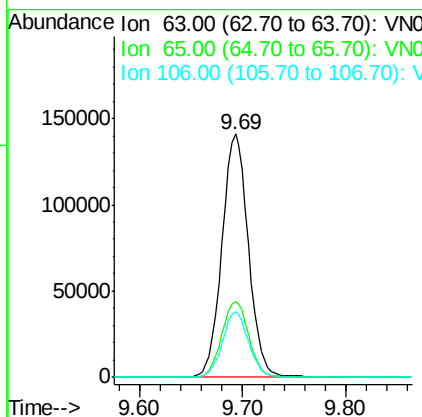
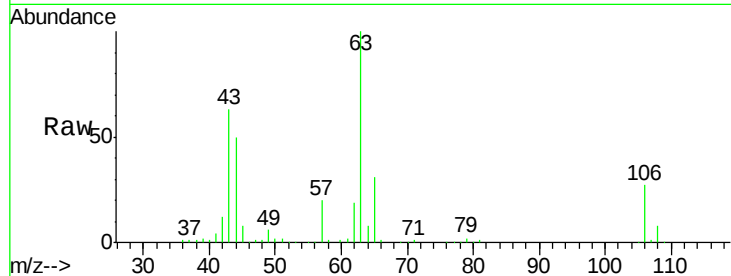
#55
2-Chloroethyl vinyl ether
Concen: 91.621 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3
106	26.5	23.0	34.4

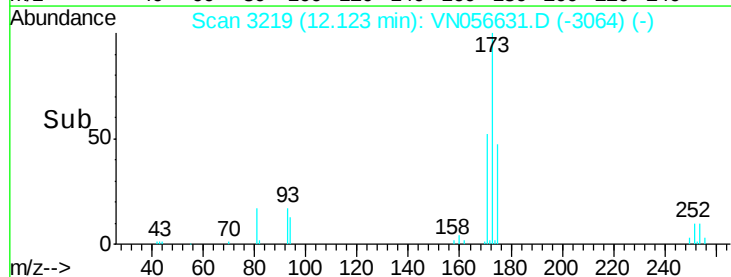
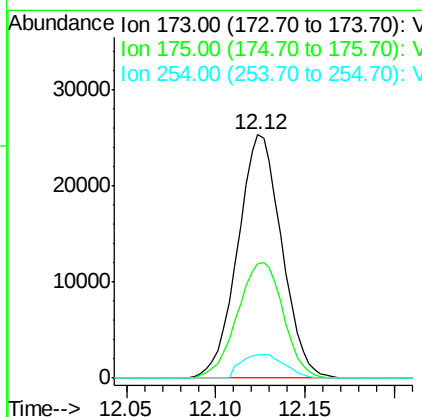
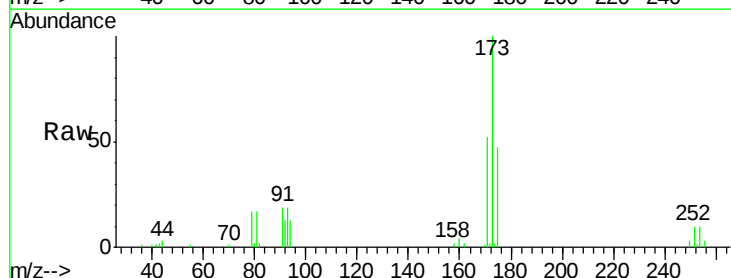
Manual Integrations
APPROVED

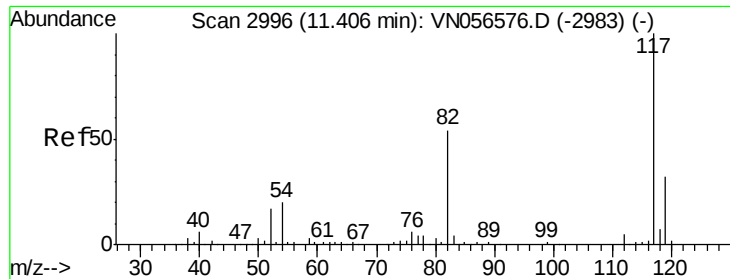
MMDadoda
7/10/2019 9:24:47 AM



#56
Bromoform
Concen: 17.884 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.7	58.1
254	9.6	6.6	9.8





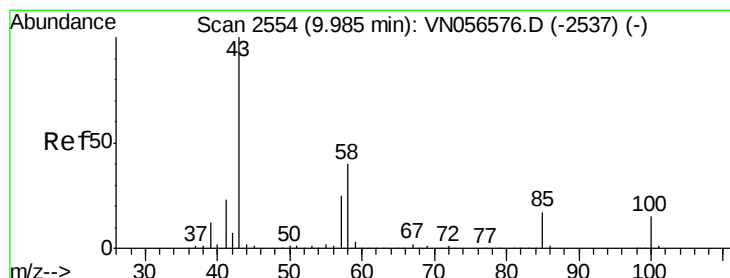
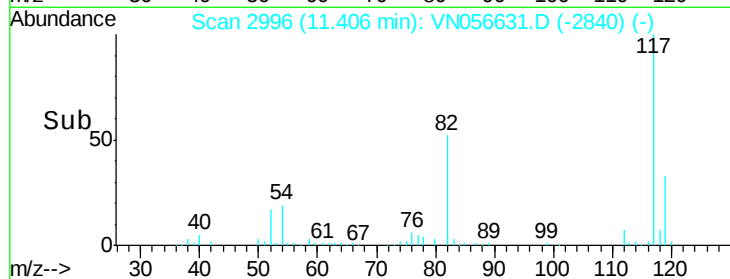
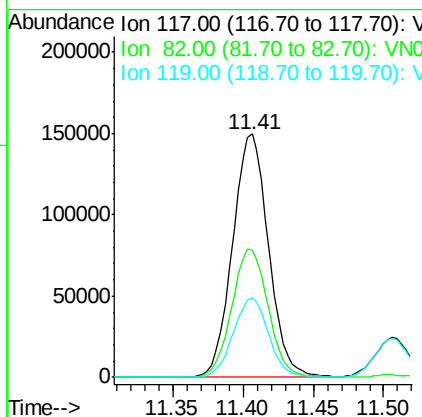
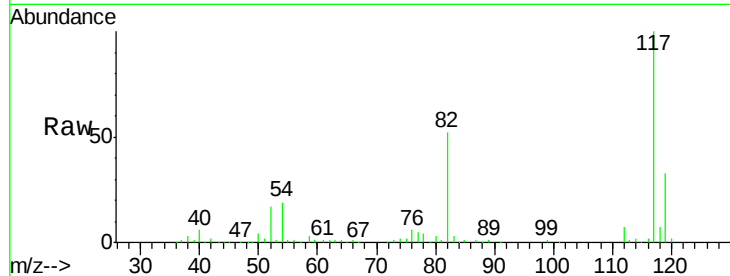
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.2	61.8
119	32.1	26.2	39.2

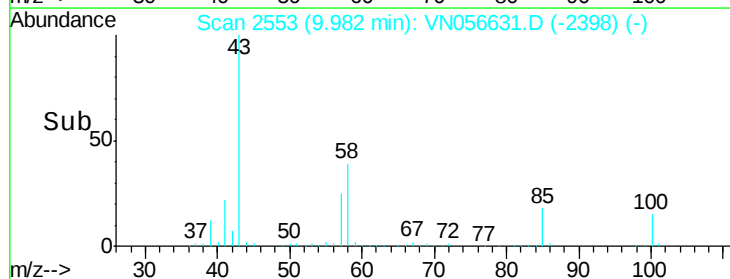
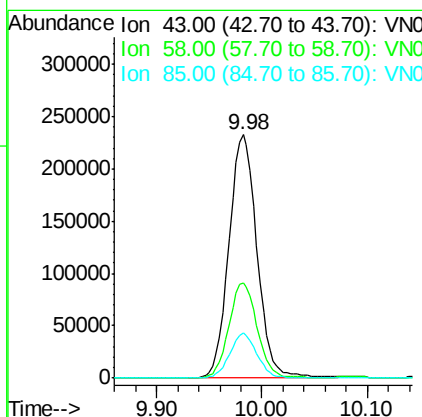
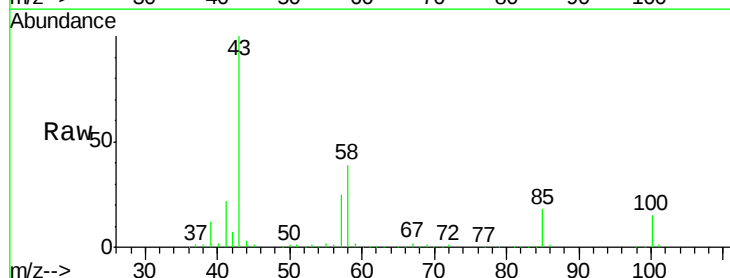
Manual Integrations
APPROVED

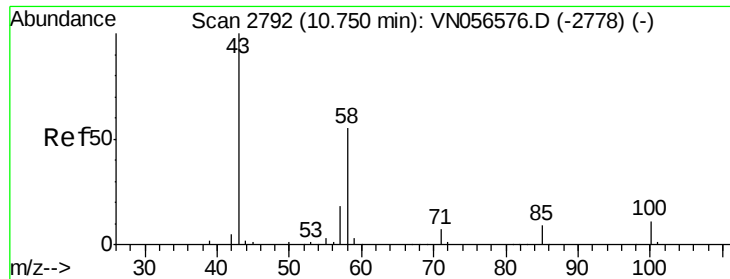
MMDadoda
7/10/2019 9:24:47 AM



#58
4-Methyl-2-Pentanone
Concen: 88.953 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	33.1	49.7
85	18.0	15.5	23.3





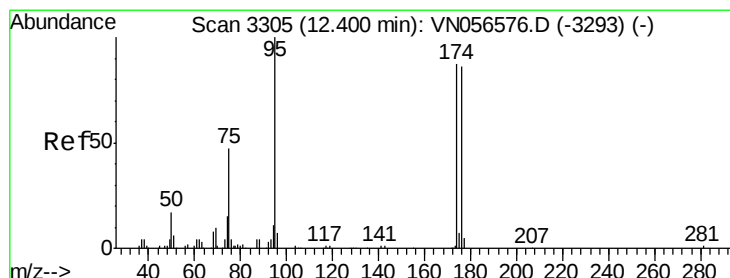
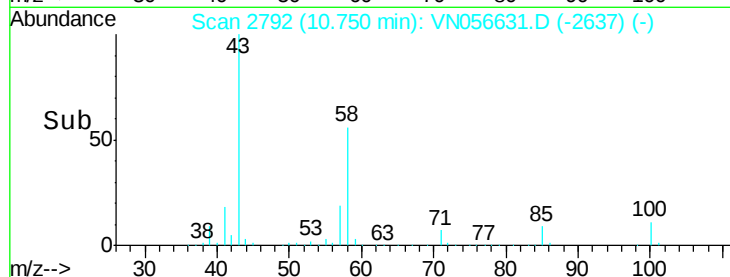
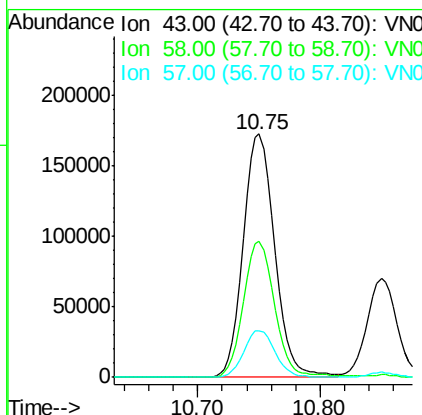
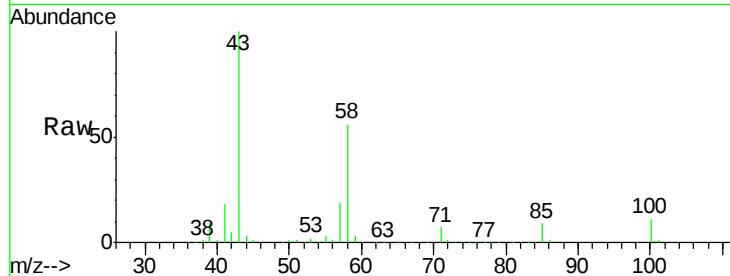
#59
2-Hexanone
Concen: 85.848 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	45.3	67.9
57	19.2	15.6	23.4

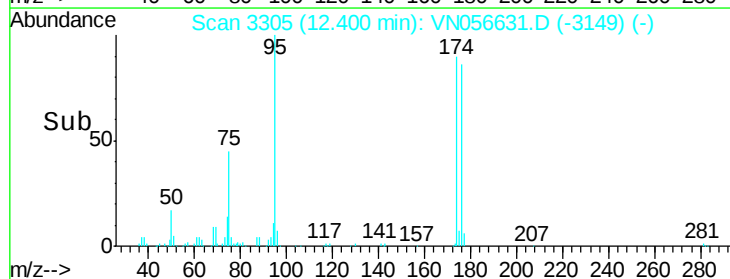
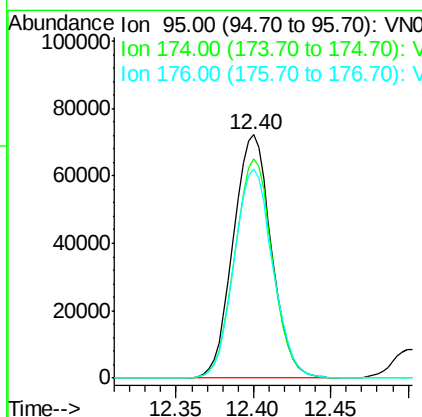
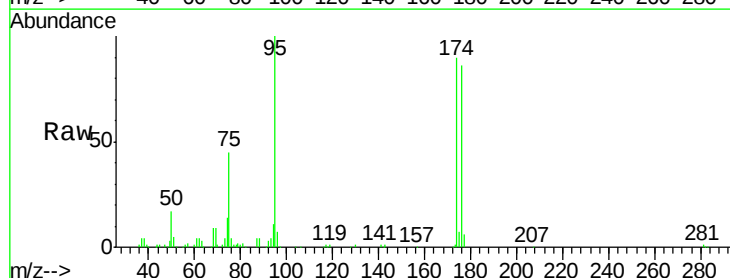
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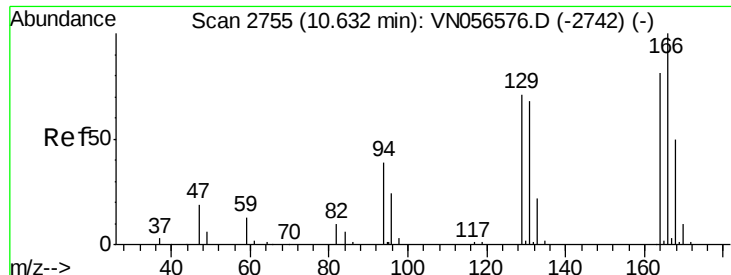
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#60
4-Bromofluorobenzene
Concen: 30.152 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	75.4	113.0
176	86.5	73.9	110.9





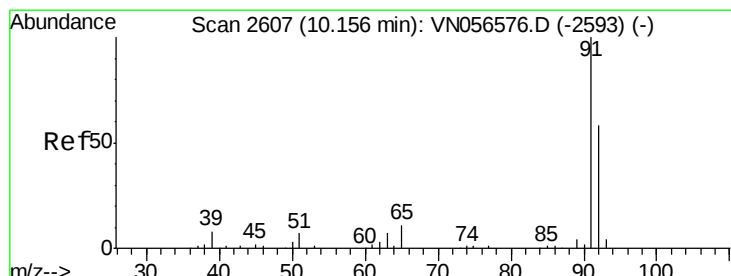
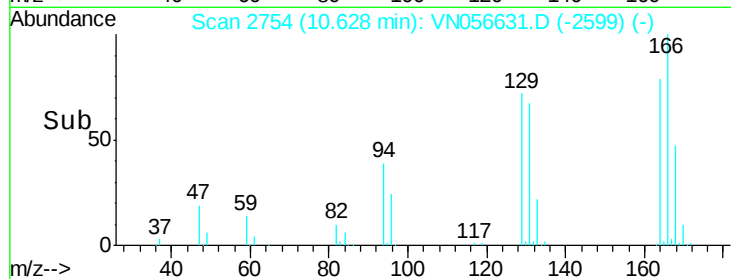
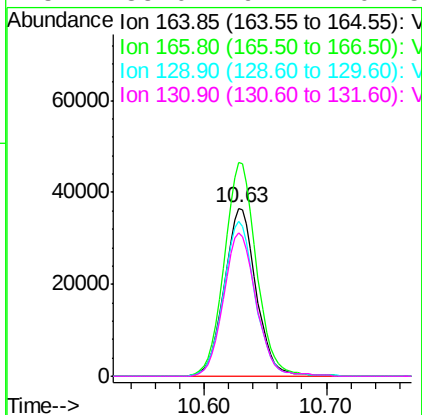
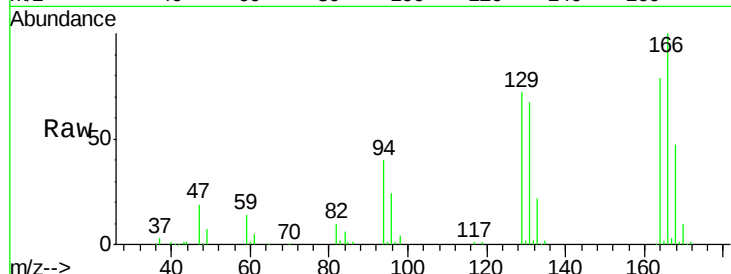
#61
Tetrachloroethene
Concen: 19.920 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.9	104.3	156.5
129	91.9	71.5	107.3
131	85.0	67.7	101.5

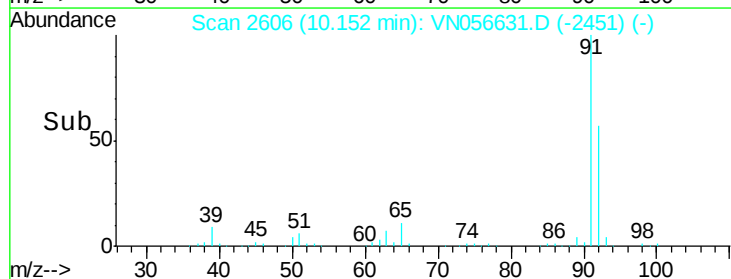
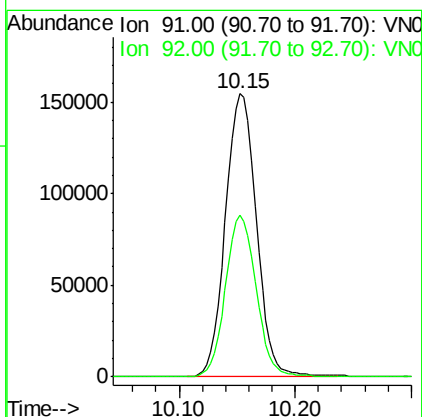
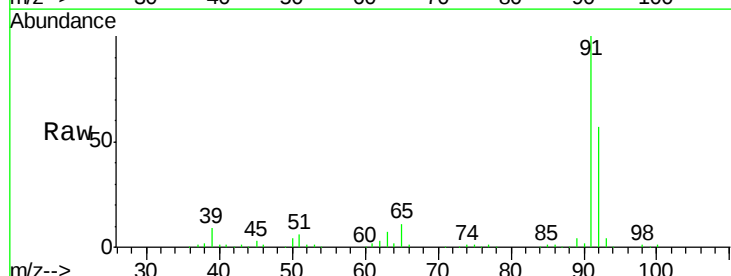
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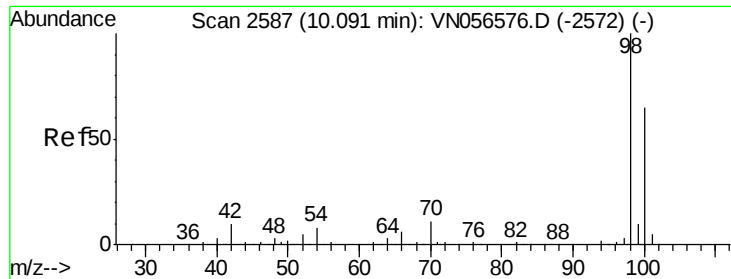
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#62
Toluene
Concen: 19.236 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.5	45.5	68.3





#63

Toluene-d8

Concen: 30.121 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 374195

Ion Ratio Lower Upper

98 100

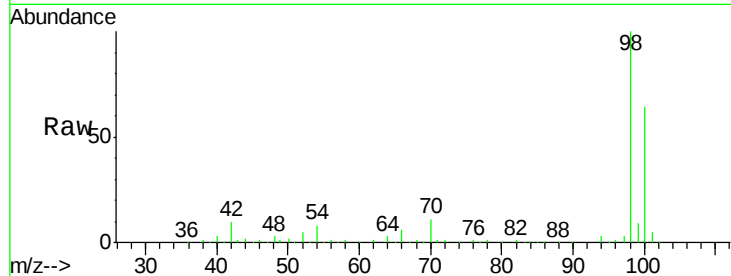
100 64.0 52.2 78.4

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Abundance Ion 98.00 (97.70 to 98.70): VN056576.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056576.D (-2572) (-)

10.09

200000

150000

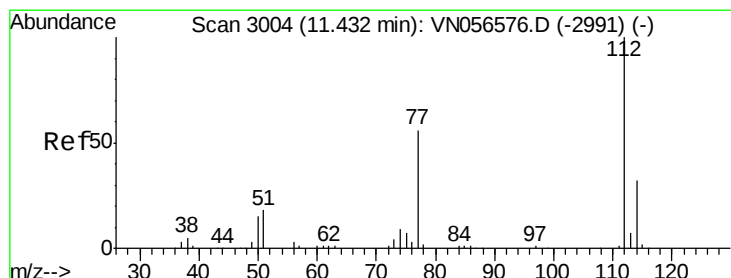
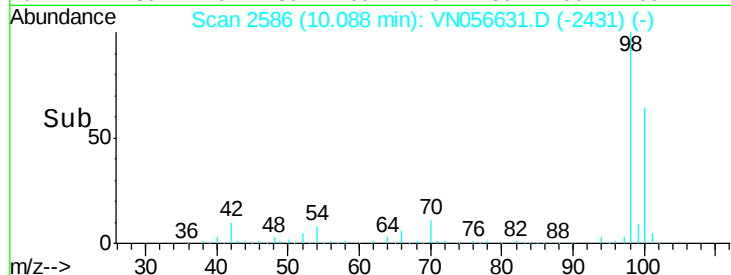
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 19.157 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056631.D

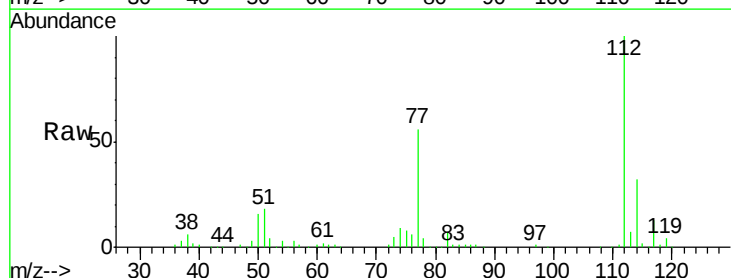
Acq: 9 Jul 2019 16:12

Tgt Ion: 112 Resp: 172201

Ion Ratio Lower Upper

112 100

114 31.6 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056576.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056576.D (-2991) (-)

11.43

100000

80000

60000

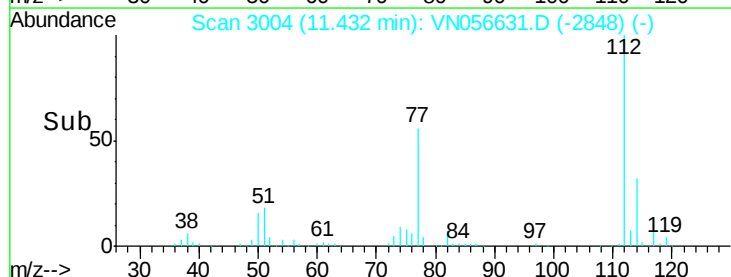
40000

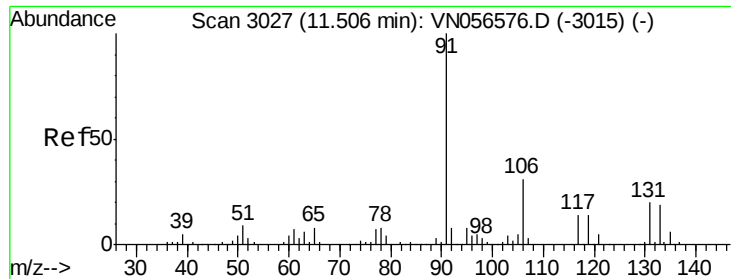
20000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.111 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

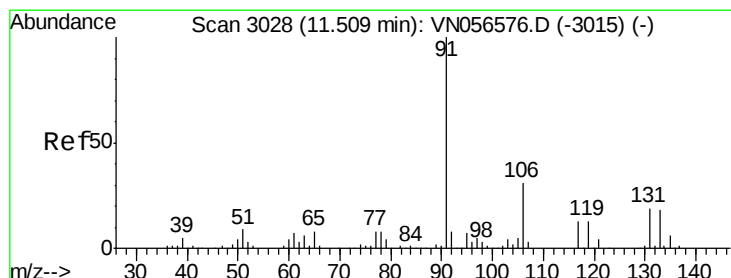
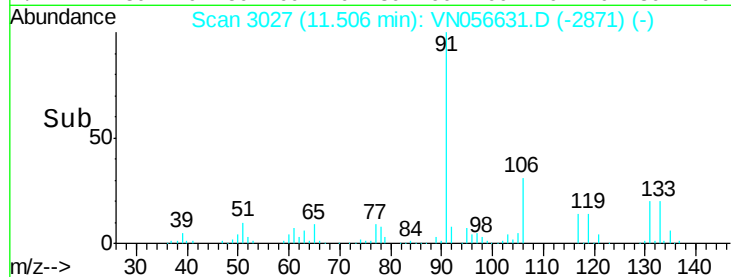
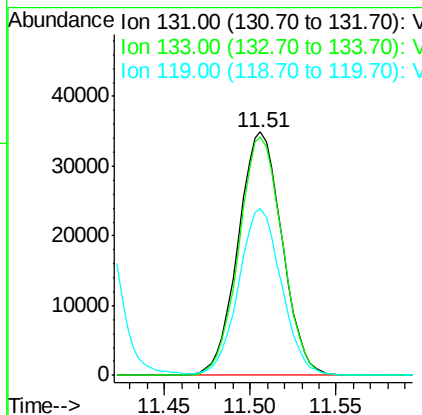
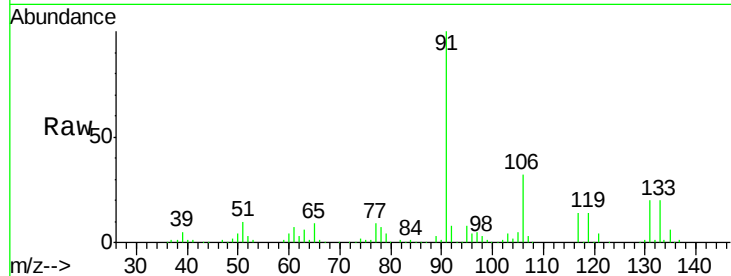
ClientSampleId :

VSTDCCC020EC

Tot Ion:131 Resp: 61868
 Ion Ratio Lower Upper
 131 100
 133 96.5 0.0 193.8
 119 67.0 0.0 134.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.928 ug/l

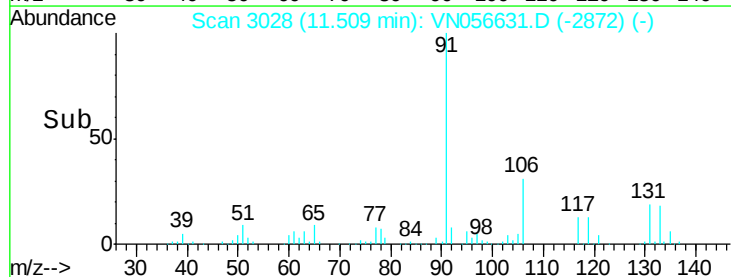
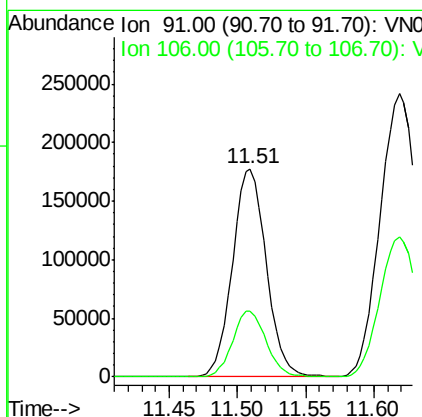
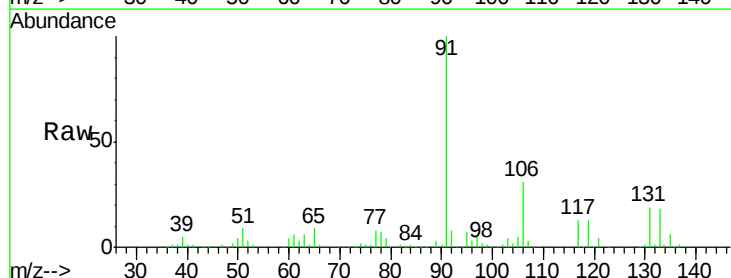
RT: 11.51 min Scan# 3028

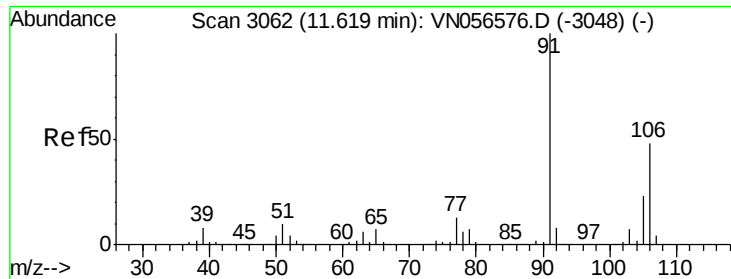
Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Tgt Ion: 91 Resp: 306213
 Ion Ratio Lower Upper
 91 100
 106 31.4 25.7 38.5





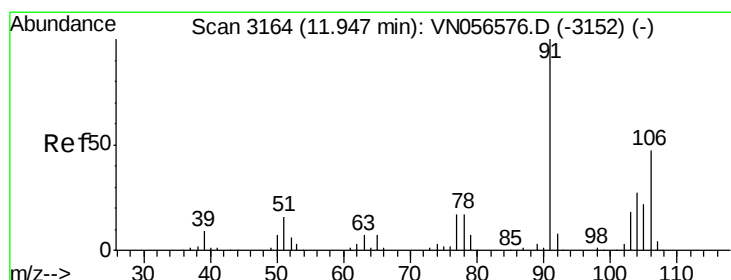
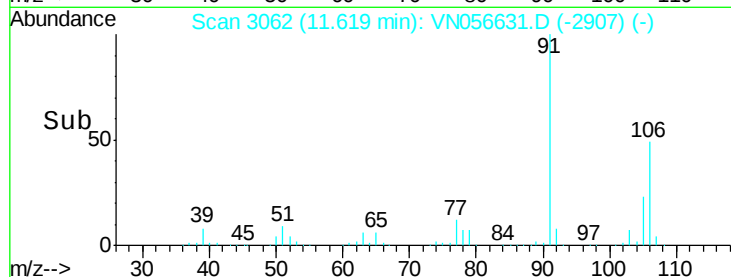
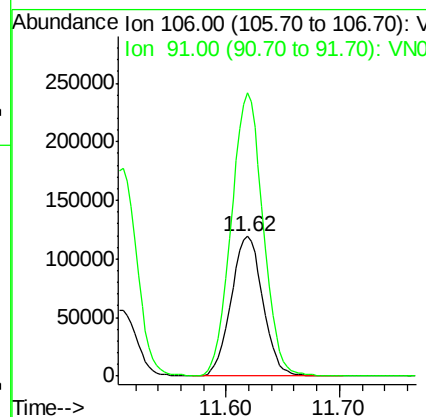
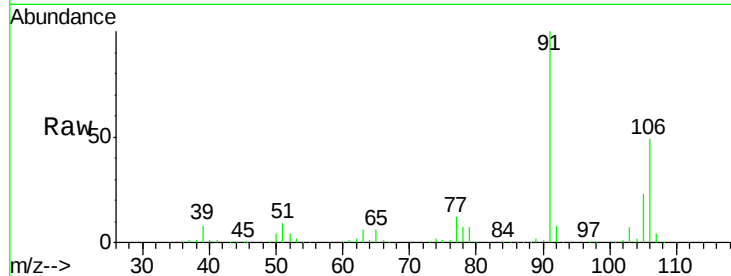
#67
m/p-Xylenes
Concen: 39.071 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 233262
Ion Ratio Lower Upper
106 100
91 202.5 155.7 233.5

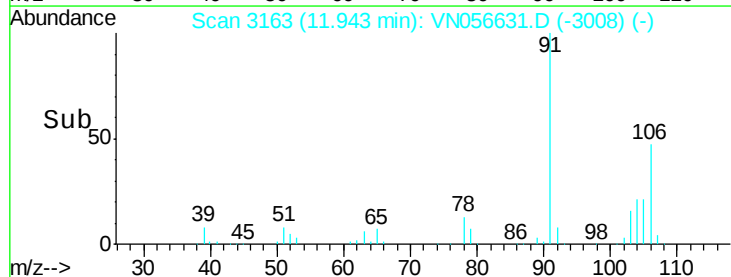
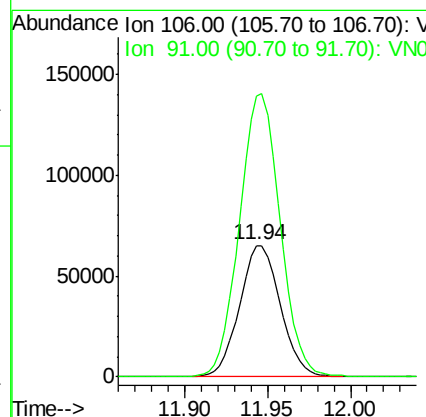
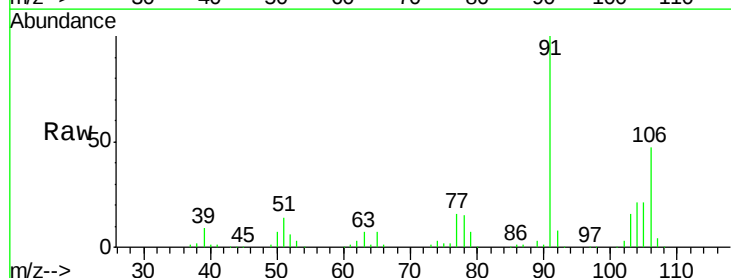
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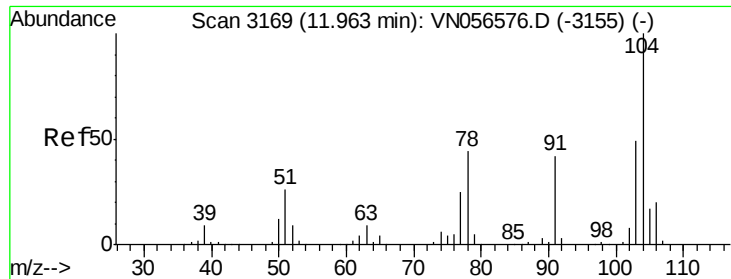
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#68
o-Xylene
Concen: 18.921 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion:106 Resp: 111714
Ion Ratio Lower Upper
106 100
91 214.8 103.9 311.7





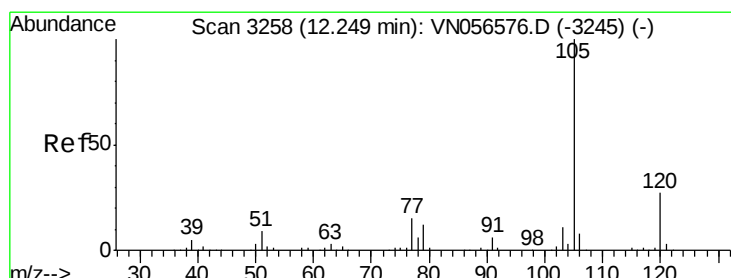
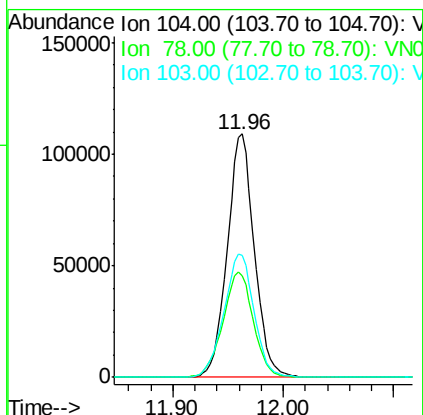
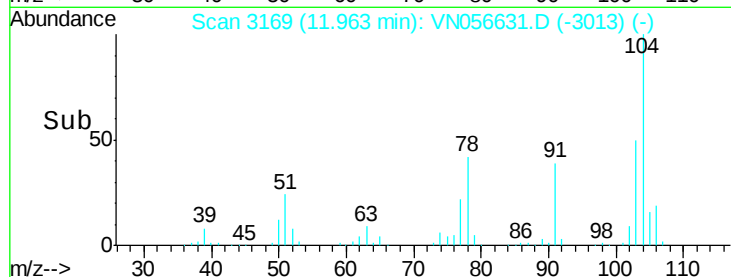
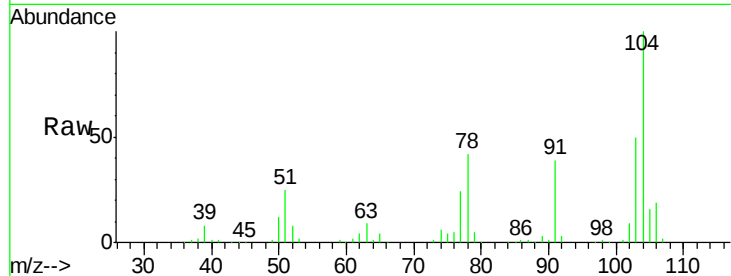
#69
Stvrene
Concen: 18.931 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.5	37.0	55.6		
103	56.1	44.4	66.6		

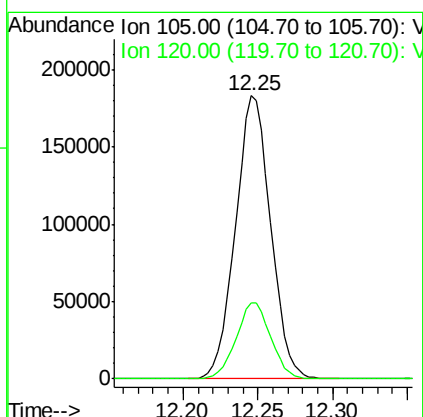
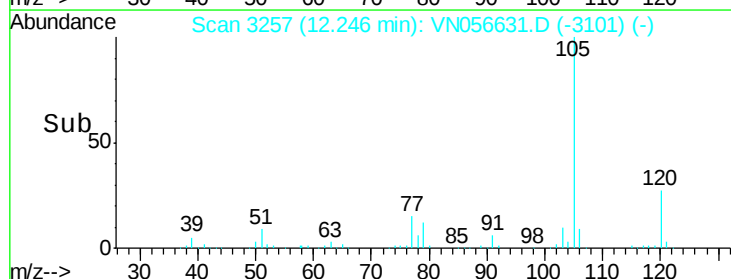
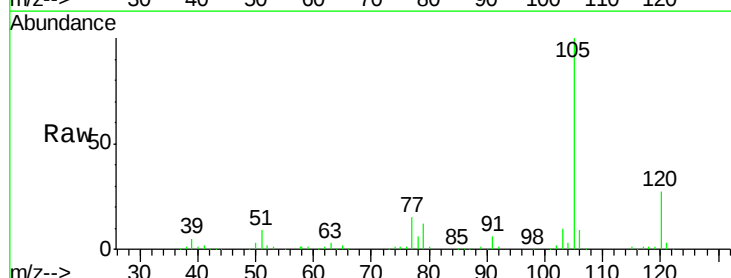
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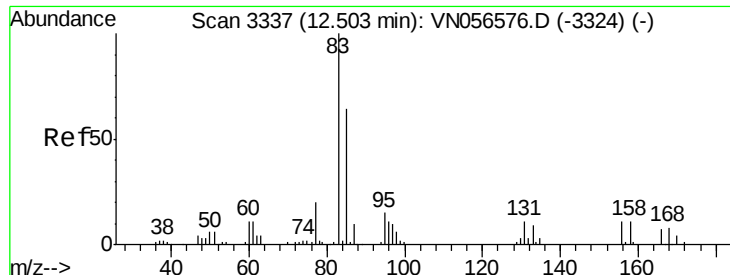
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#70
Isopropylbenzene
Concen: 19.423 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
120	26.6	19.3	35.8		





#71

1,1,2,2-Tetrachloroethane

Concen: 18.483 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

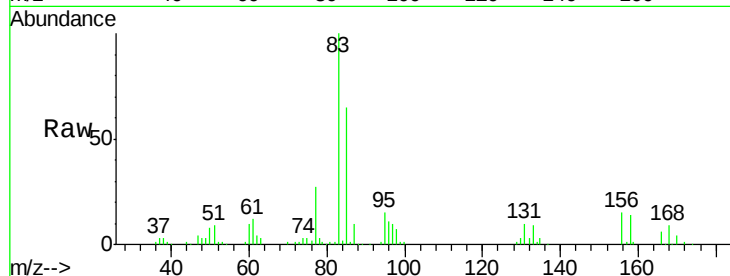
ClientSampleId :

VSTDCCC020EC

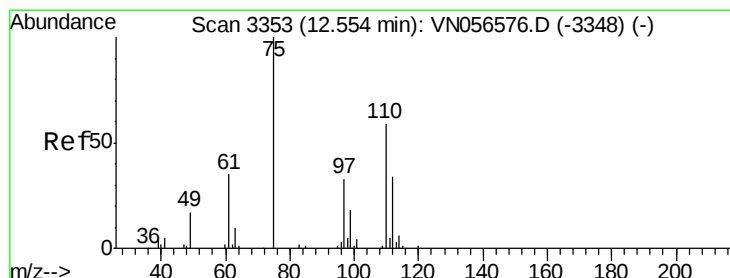
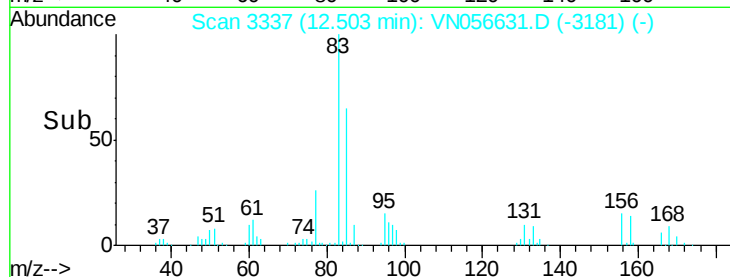
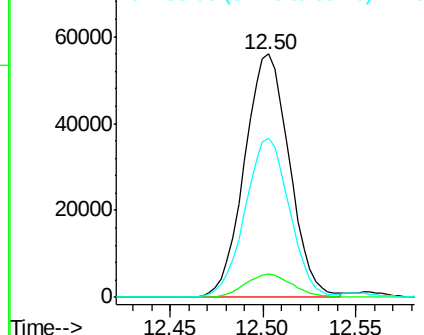
Tot Ion:	83	Resp:	94135
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	64.8	31.6	94.7

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Abundance Ion 83.00 (82.70 to 83.70): VN056631.D (-3181) (-)



#72

1,2,3-Trichloropropane

Concen: 18.531 ug/l m

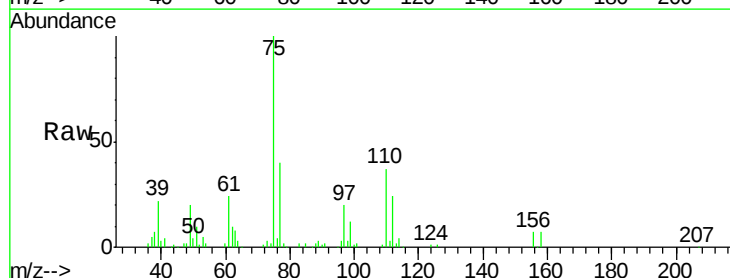
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

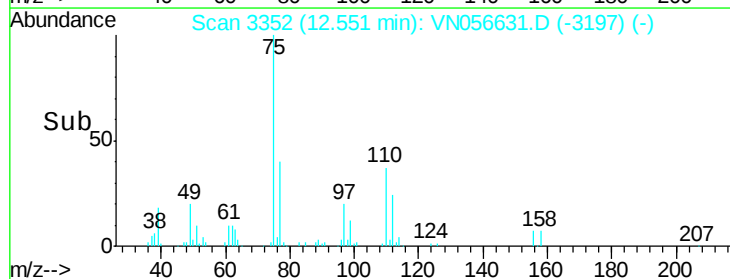
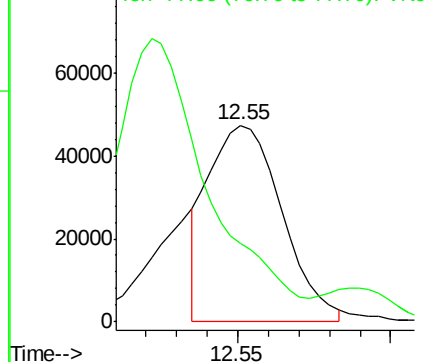
Lab File: VN056631.D

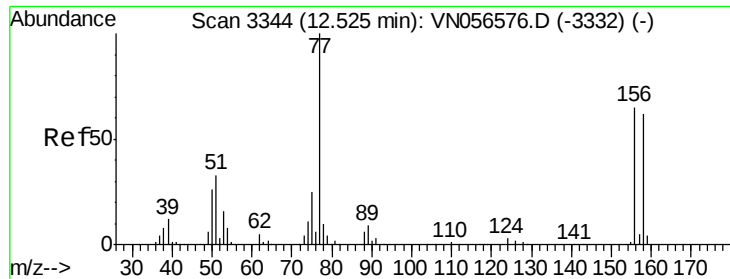
Acq: 9 Jul 2019 16:12

Tgt Ion:	75	Resp:	79367
Ion Ratio	Lower	Upper	
75	100		
77	183.8	0.0	350.0



Abundance Ion 75.00 (74.70 to 75.70): VN056631.D (-3197) (-)





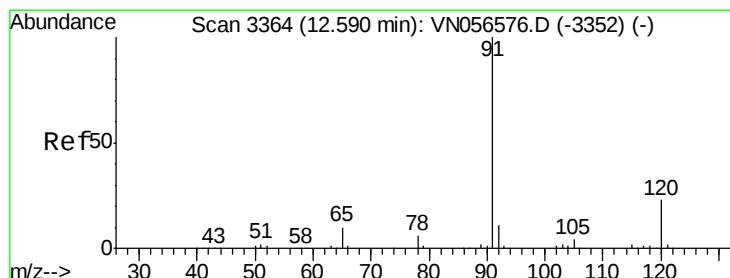
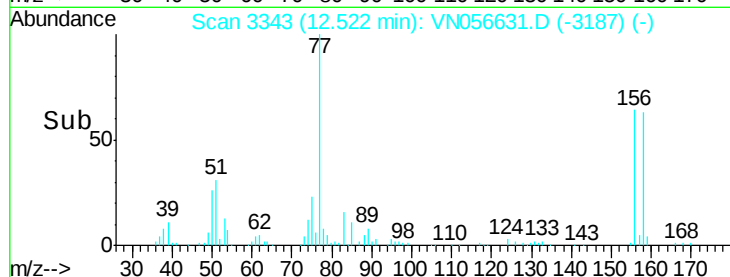
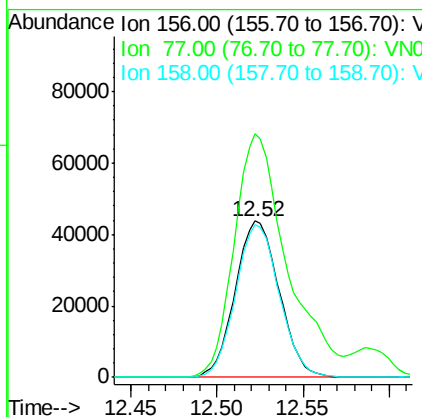
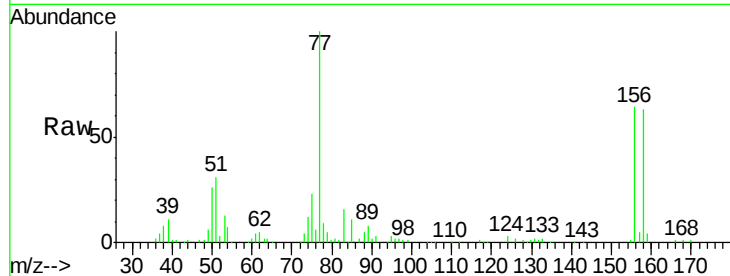
#73
Bromobenzene
Concen: 19.549 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:156 Resp: 77672
Ion Ratio Lower Upper
156 100
77 187.8 0.0 350.8
158 96.8 0.0 193.2

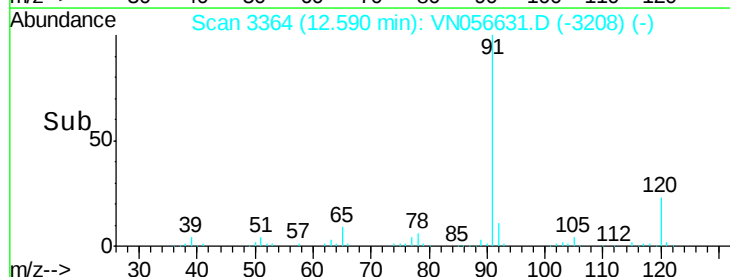
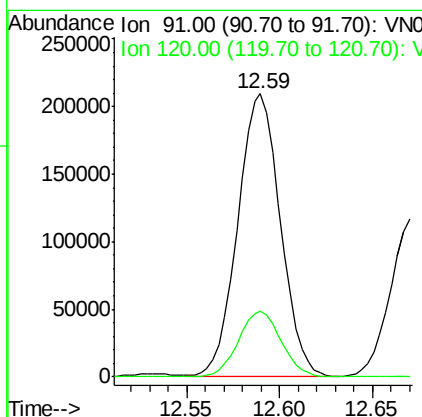
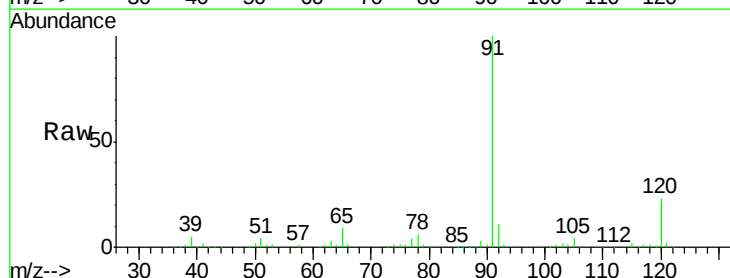
Manual Integrations
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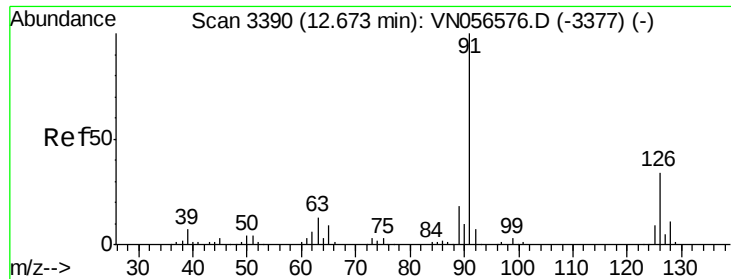
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#74
n-propylbenzene
Concen: 19.109 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 91 Resp: 333973
Ion Ratio Lower Upper
91 100
120 23.2 0.0 48.6





#75

2-Chlorotoluene

Concen: 19.287 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 201569

Ion Ratio Lower Upper

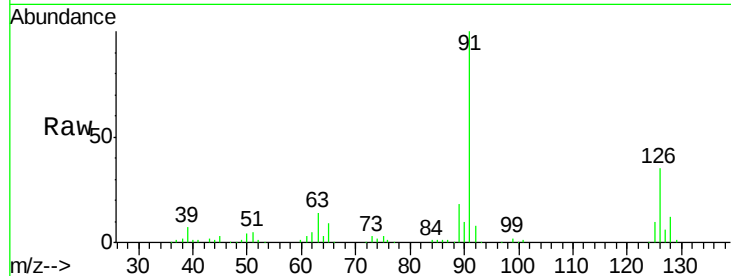
91 100

126 35.0 0.0 72.4

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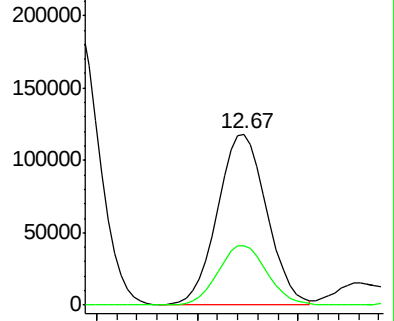
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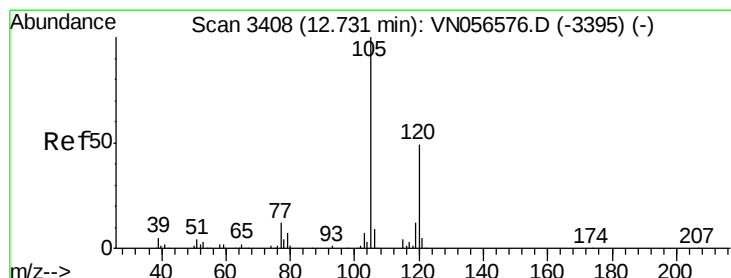
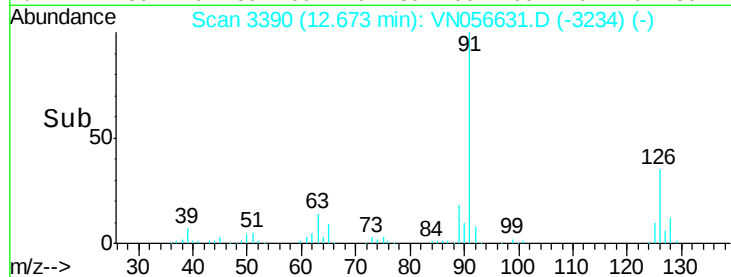


Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.443 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056631.D

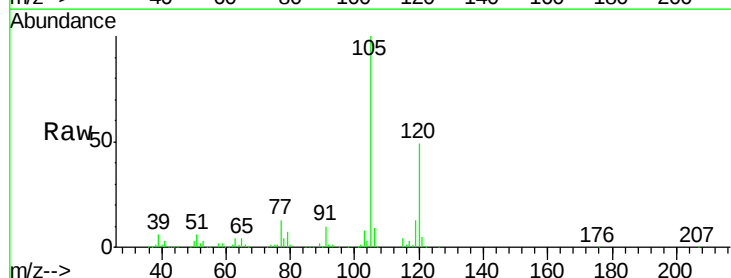
Acq: 9 Jul 2019 16:12

Tgt Ion: 105 Resp: 253630

Ion Ratio Lower Upper

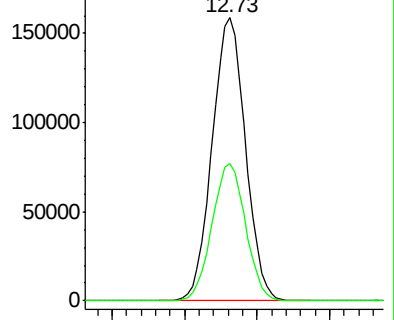
105 100

120 48.8 0.0 100.6

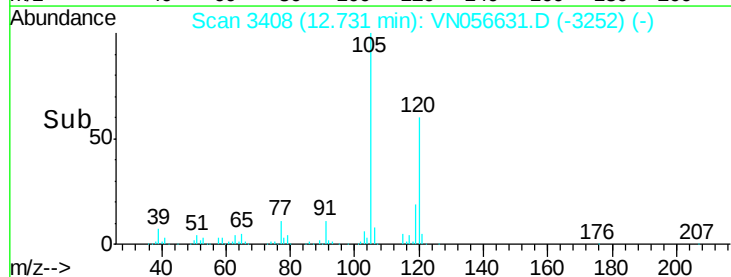


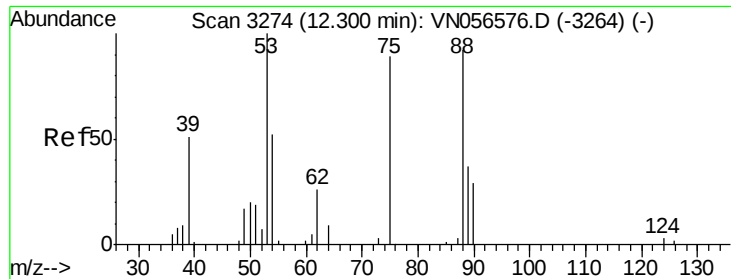
Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)



Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.253 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 22297

Ion Ratio Lower Upper

75 100

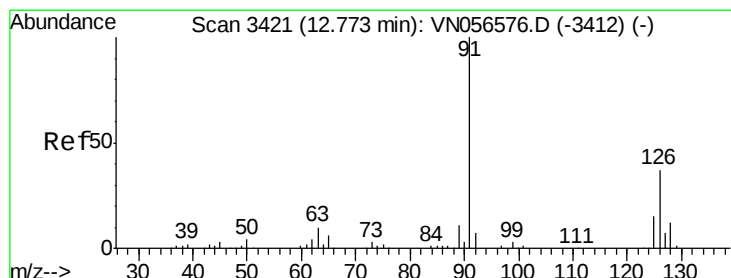
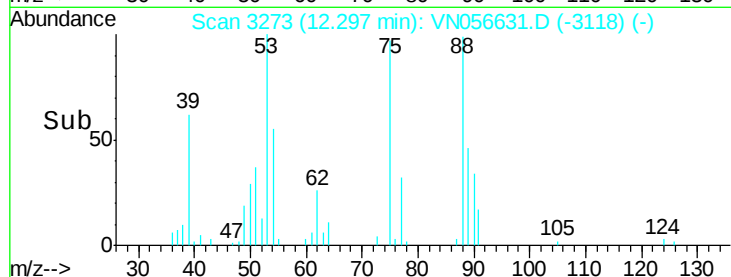
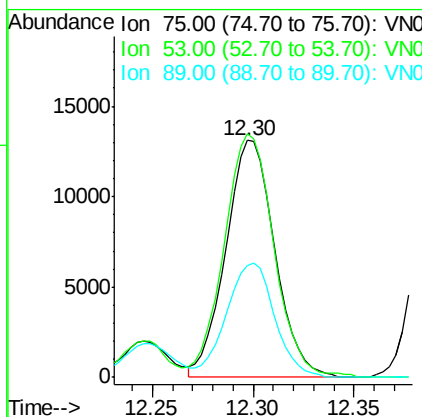
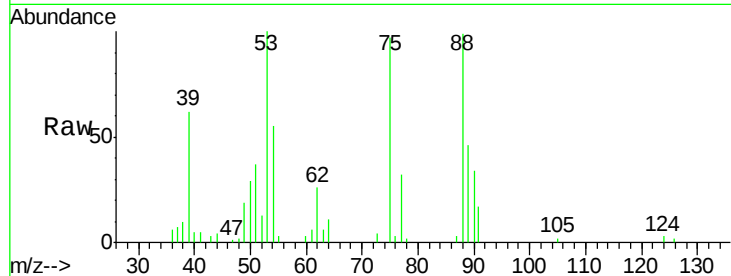
53 101.2 48.0 144.0

89 47.1 22.5 67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.163 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056631.D

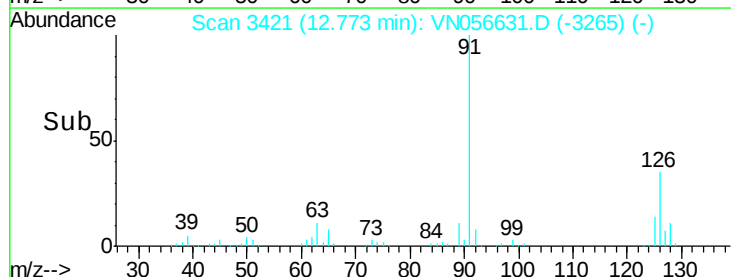
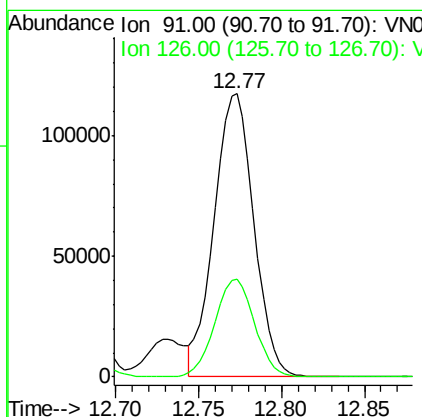
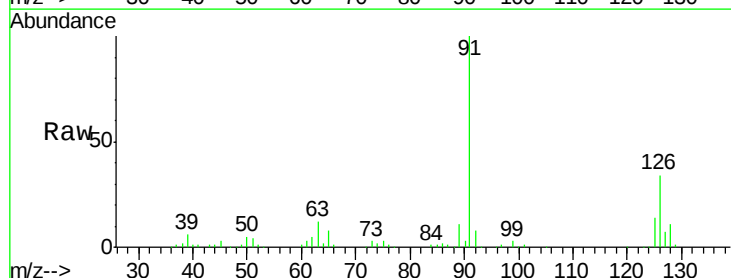
Acq: 9 Jul 2019 16:12

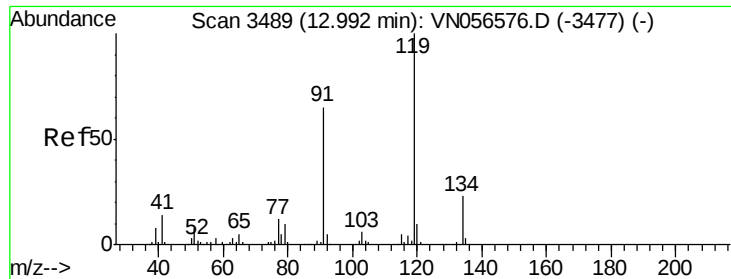
Tgt Ion: 91 Resp: 194774

Ion Ratio Lower Upper

91 100

126 34.7 0.0 71.8





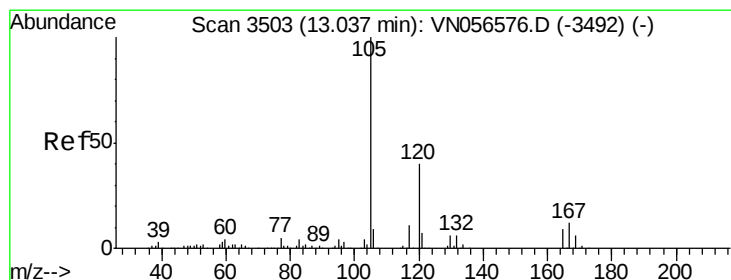
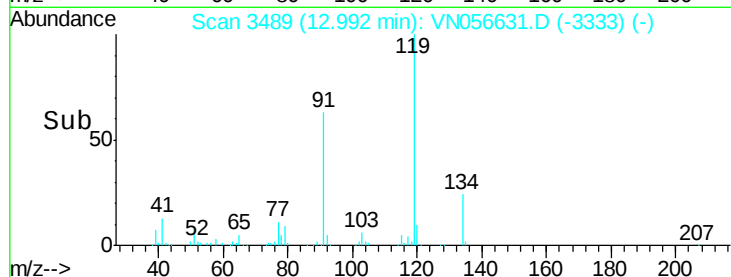
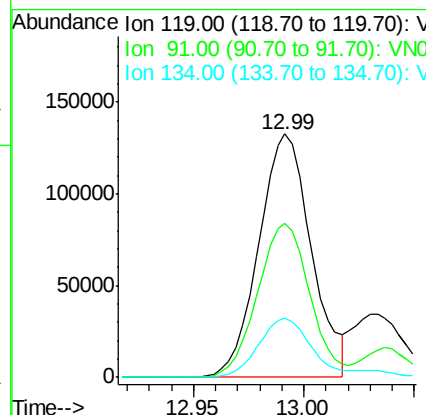
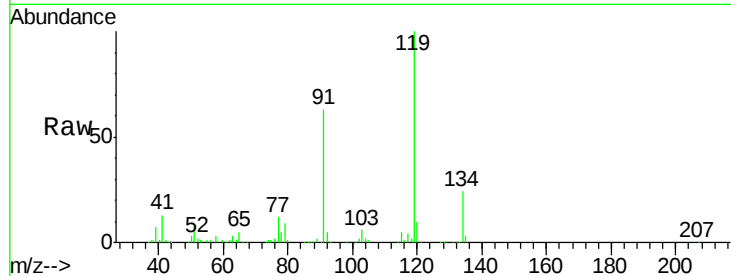
#79
tert-butylbenzene
Concen: 19.630 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218784		
91	62.9		0.0	122.8
134	24.3		0.0	50.2

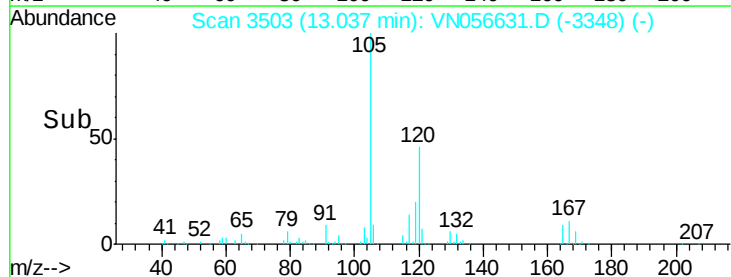
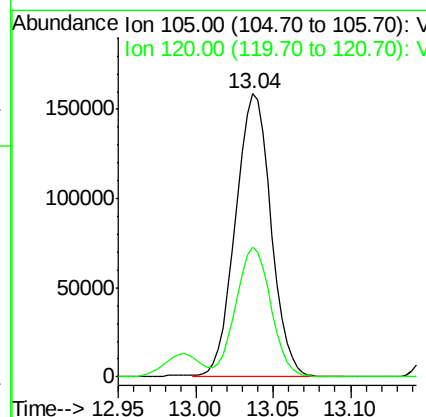
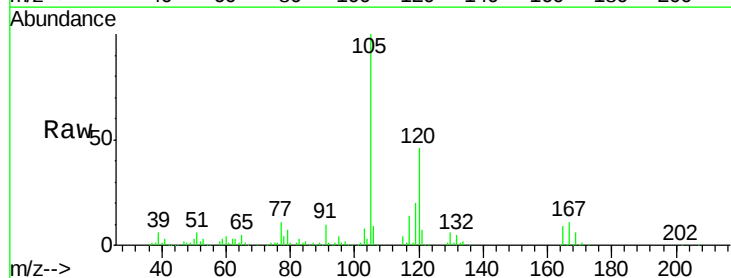
Manual Integrations
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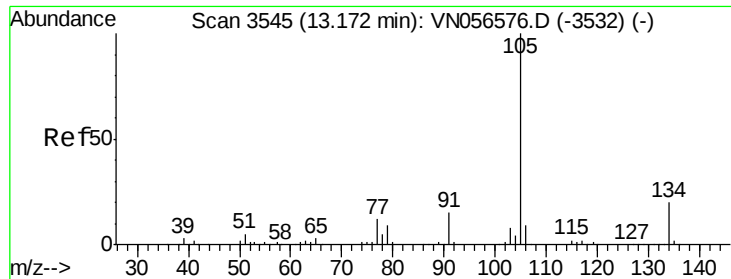
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#80
1,2,4-Trimethylbenzene
Concen: 19.662 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	253325		
120	45.5		0.0	93.4





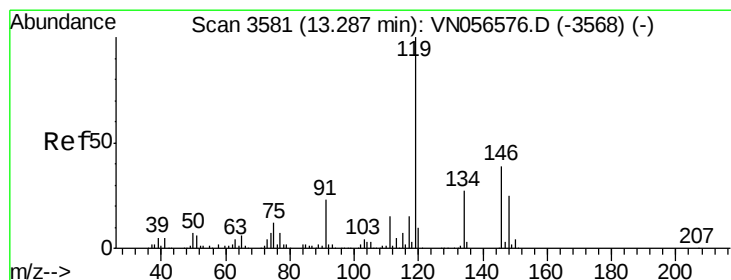
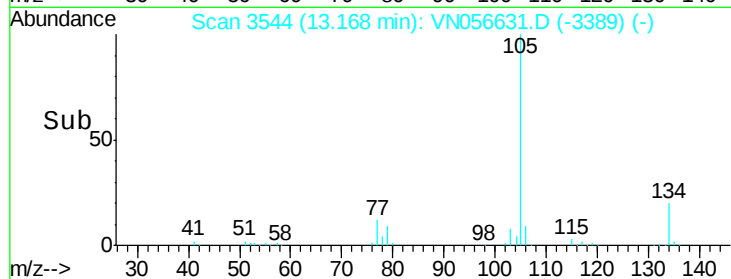
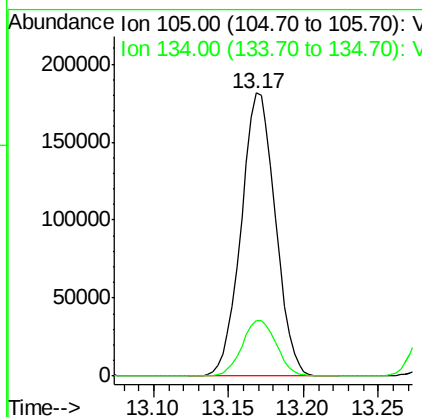
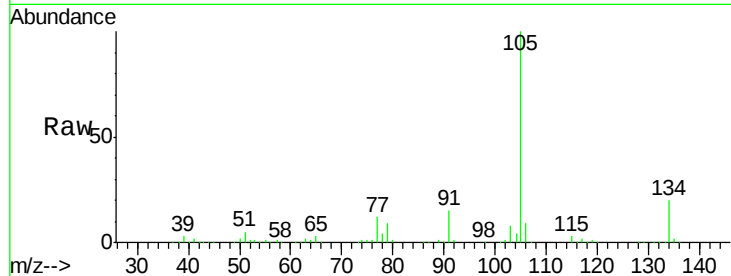
#81
 sec-Butylbenzene
 Concen: 19.583 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	0.0	41.8

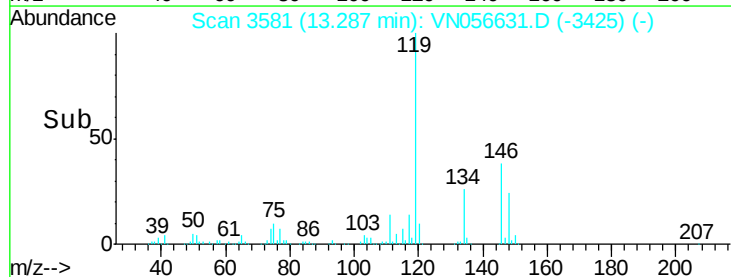
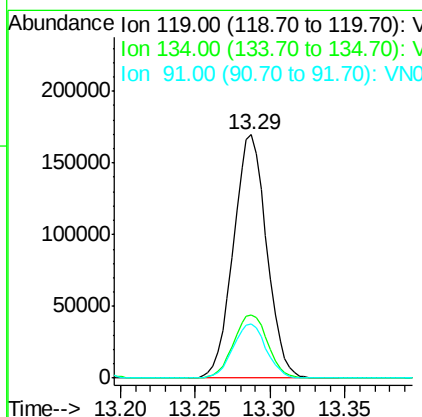
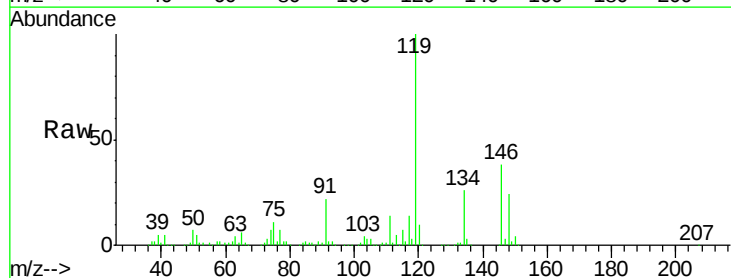
Manual Integrations
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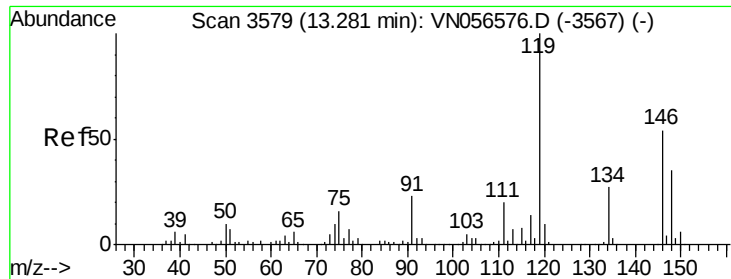
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#82
 p-Isopropyltoluene
 Concen: 19.767 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	53.4
91	22.2	0.0	43.0





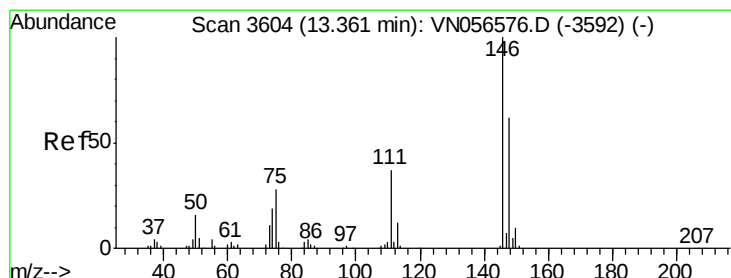
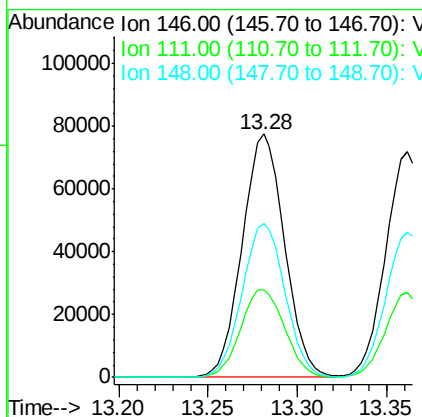
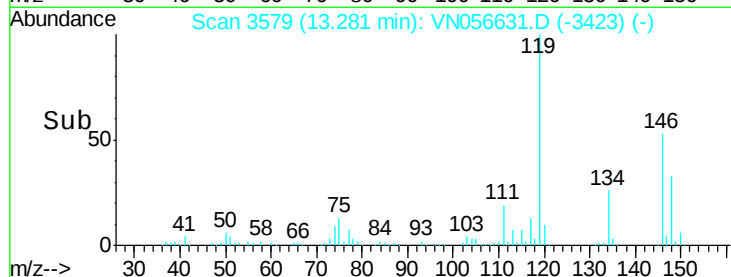
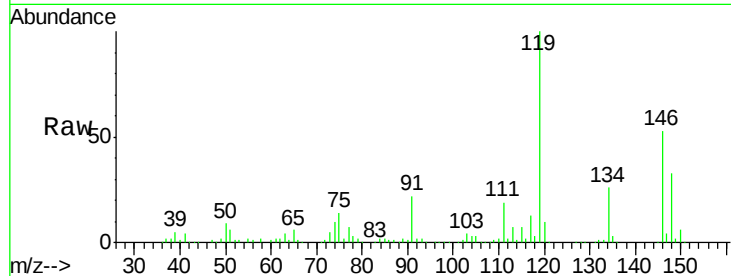
#83
 1,3-Dichlorobenzene
 Concen: 19.470 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.2	54.6
148	64.1	31.9	95.9

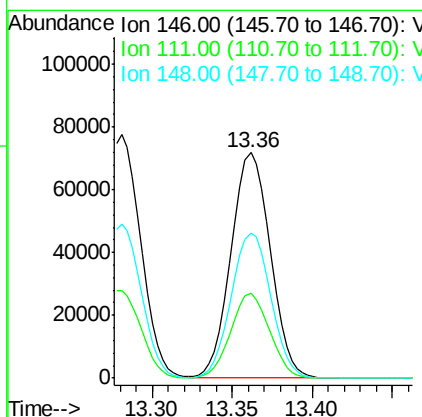
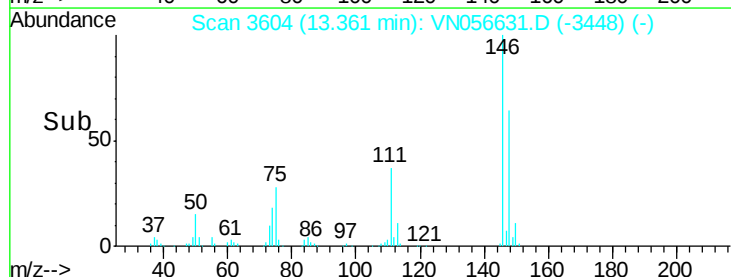
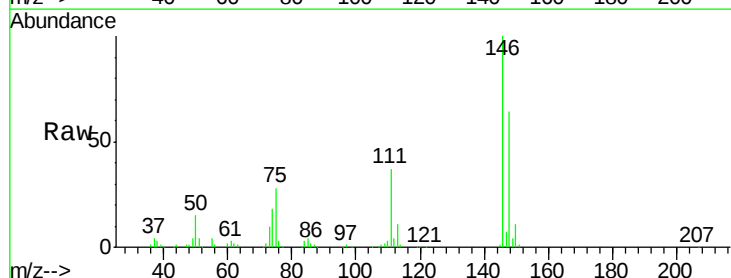
Manual Integrations
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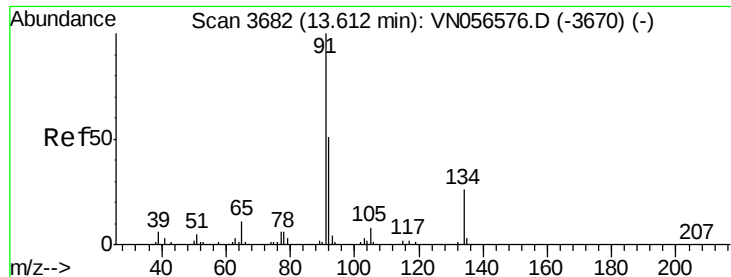
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#84
 1,4-Dichlorobenzene
 Concen: 18.967 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	17.6	52.9
148	64.2	32.1	96.3





#85

n-Butylbenzene

Concen: 19.062 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

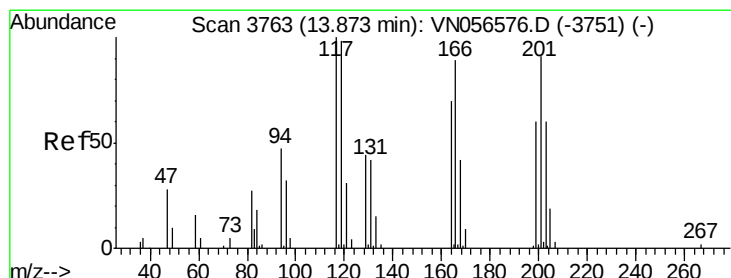
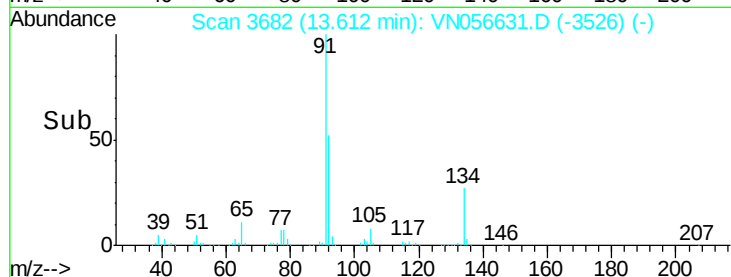
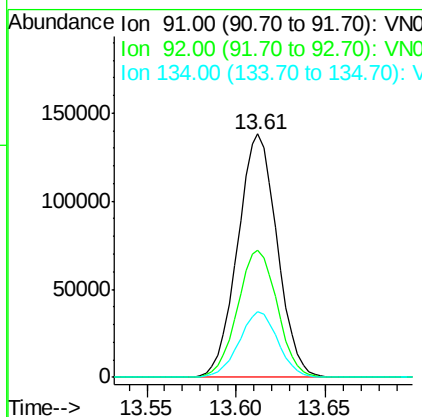
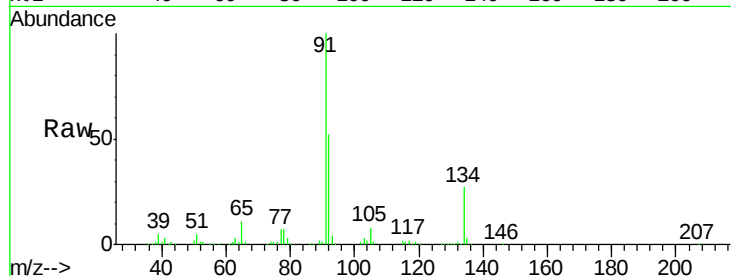
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	212866
Ion Ratio	Lower	Upper	
91	100		
92	52.6	0.0	107.2
134	26.6	0.0	55.8

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#86

Hexachloroethane

Concen: 18.701 ug/l

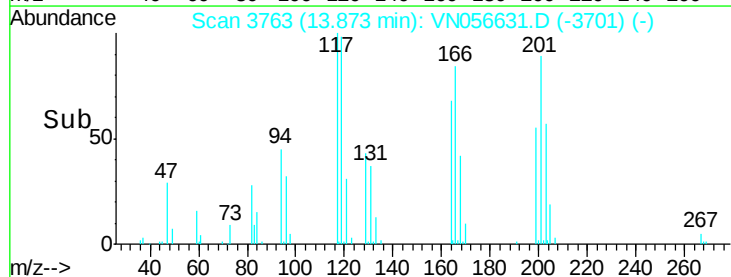
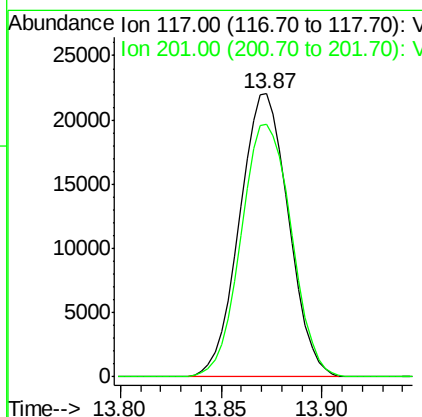
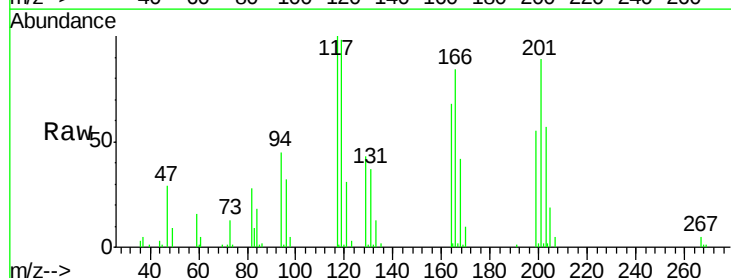
RT: 13.87 min Scan# 3763

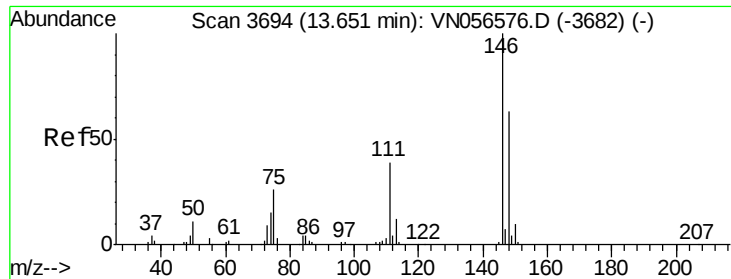
Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Tgt Ion:	117	Resp:	37470
Ion Ratio	Lower	Upper	
117	100		
201	91.8	48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 19.597 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

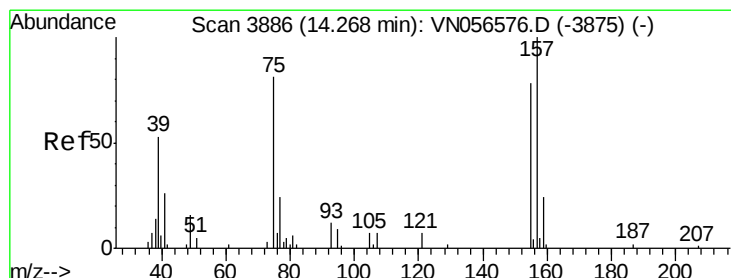
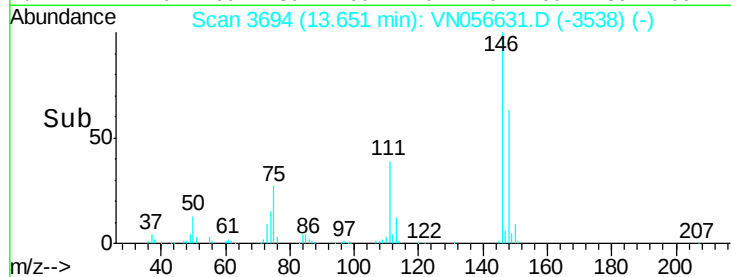
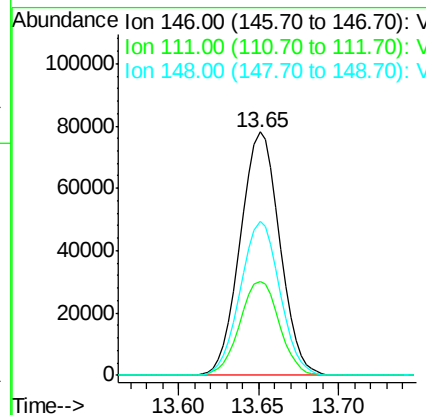
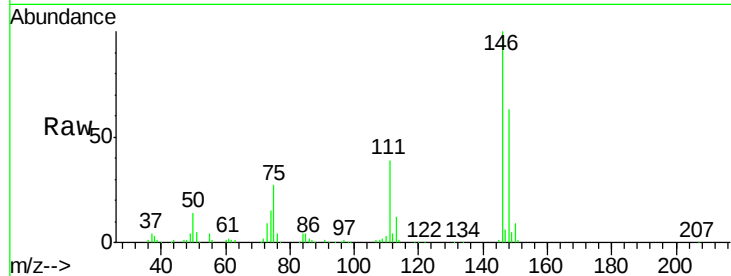
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	131306
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.3	57.9
148	63.3	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 15.791 ug/l

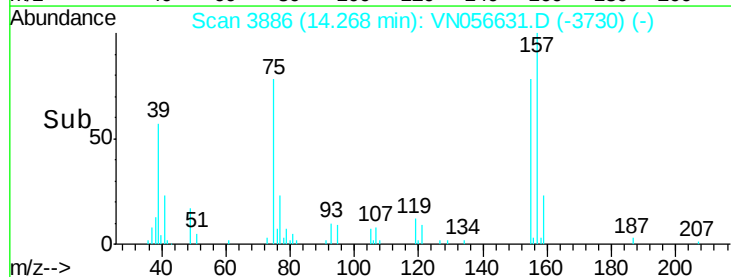
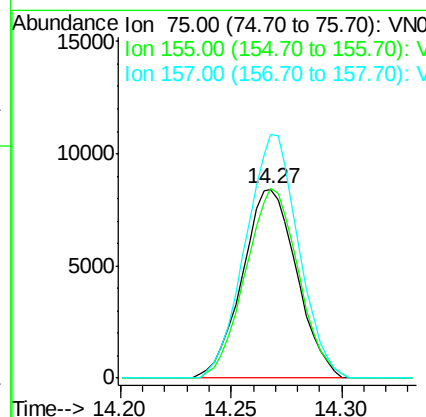
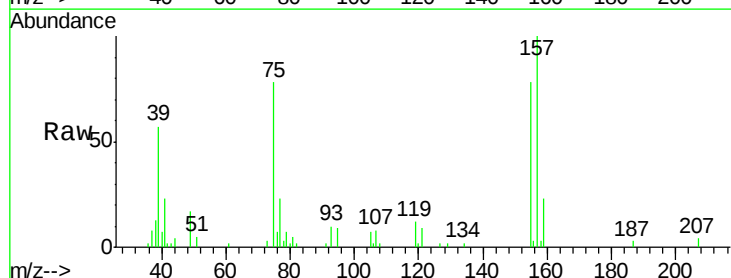
RT: 14.27 min Scan# 3886

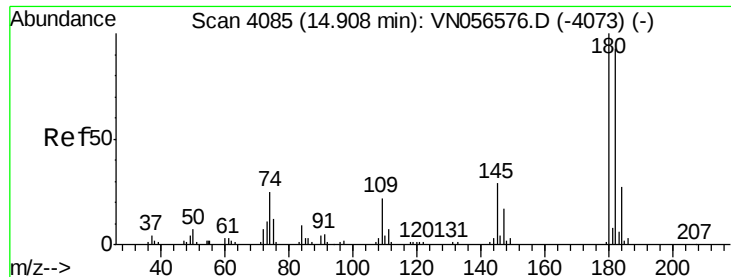
Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Tgt Ion:	75	Resp:	14411
Ion Ratio	Lower	Upper	
75	100		
155	97.6	82.5	123.7
157	125.3	105.1	157.7





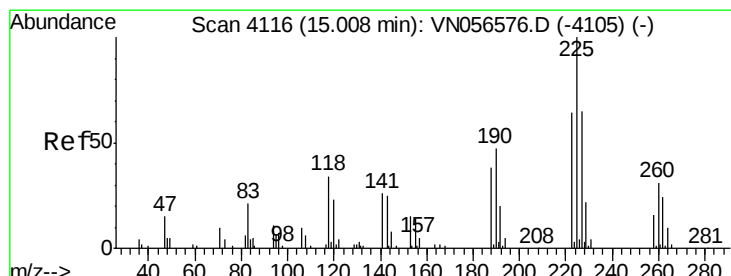
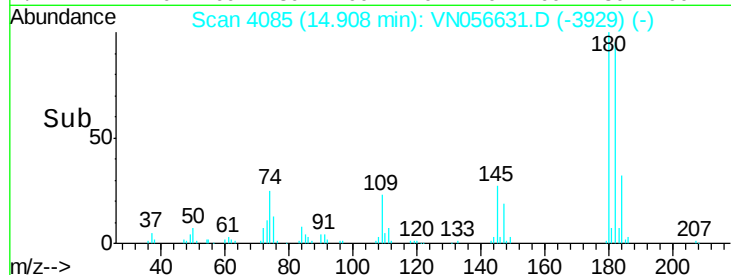
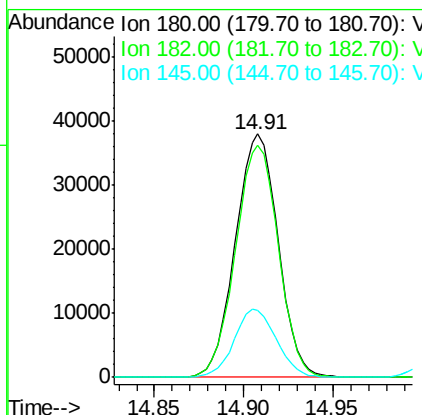
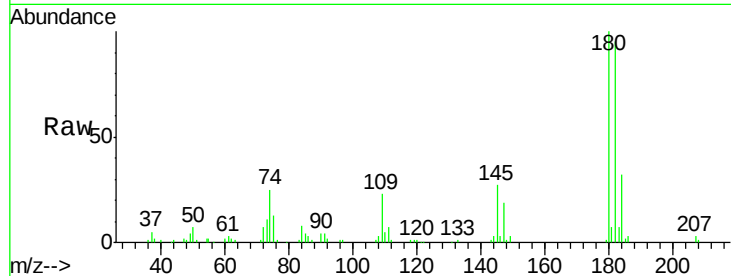
#89
 1,2,4-Trichlorobenzene
 Concen: 17.056 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.0	112.6
145	27.6	22.1	33.1

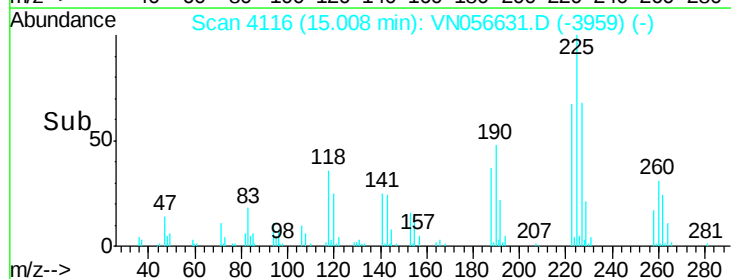
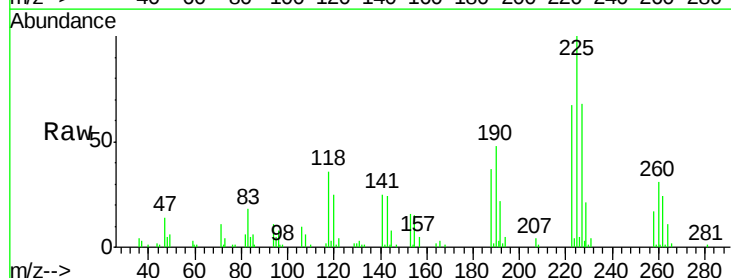
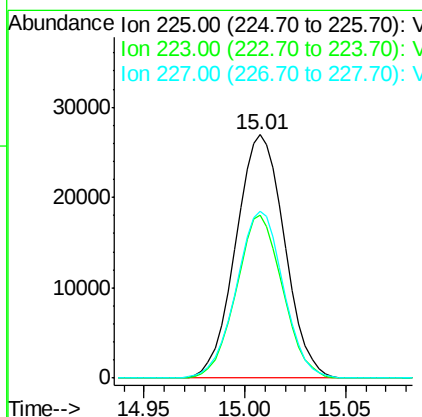
Manual Integrations
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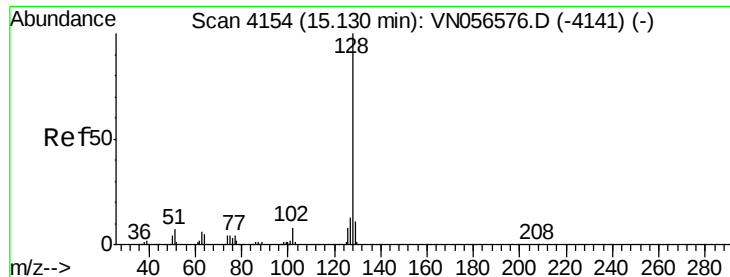
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#90
 Hexachlorobutadiene
 Concen: 19.823 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	125.6
227	66.4	0.0	128.6





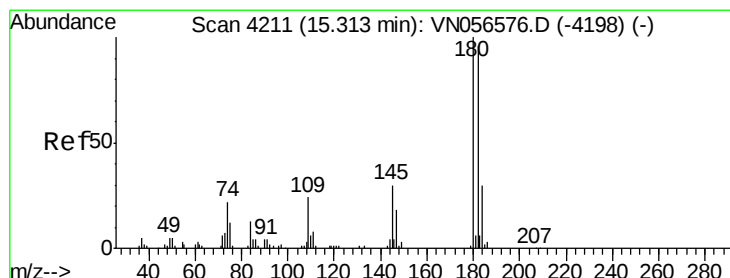
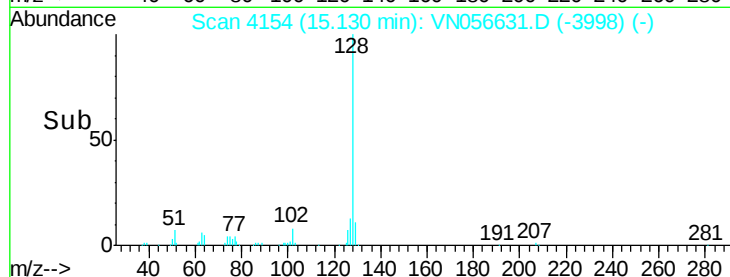
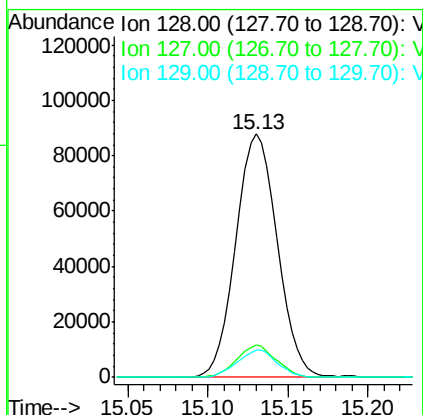
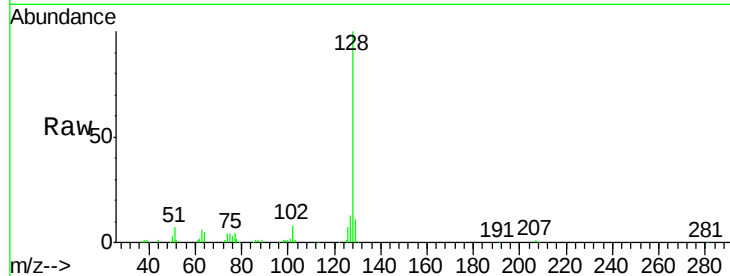
#91
Naphthalene
Concen: 14.965 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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7/10/2019 9:24:47 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.125 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	0.0	193.4
145	29.1	0.0	59.8

