

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055500.D
 Acq On : 9 May 2019 16:29
 Operator : JC/SP
 Sample : VN0509WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:43:45 PM

Quant Time: May 10 04:37:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	670080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1197499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1028513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	402702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	523838	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.59	113	396137	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.09	98	1527935	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	503525	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	136657	20.031	ug/l	98
3) Chloromethane	2.06	50	226868	20.469	ug/l	98
4) Vinyl Chloride	2.19	62	214963	20.546	ug/l	99
5) Bromomethane	2.55	94	125274	21.854	ug/l	100
6) Chloroethane	2.70	64	131762	21.621	ug/l	97
7) Trichlorofluoromethane	3.01	101	241352	21.028	ug/l	97
8) Diethyl Ether	3.41	74	109136	21.172	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	147473	20.195	ug/l	98
10) Methyl Iodide	3.94	142	211477	21.427	ug/l	98
11) Tert butyl alcohol	4.81	59	145233	97.493	ug/l	99
12) 1,1-Dichloroethene	3.73	96	152457	20.817	ug/l	96
13) Acrolein	3.61	56	104953	105.712	ug/l	98
14) Allyl chloride	4.32	41	295651	19.707	ug/l	99
15) Acrylonitrile	5.00	53	473783	102.712	ug/l	100
16) Acetone	3.82	43	398687	85.343	ug/l	98
17) Carbon Disulfide	4.05	76	394096	19.716	ug/l	98
18) Methyl Acetate	4.33	43	196523	19.369	ug/l	97
19) Methyl tert-butyl Ether	5.06	73	504023	20.712	ug/l	97
20) Methylene Chloride	4.55	84	191041	19.999	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	163578	20.601	ug/l	98
22) Diisopropyl ether	5.96	45	635244	20.837	ug/l	94
23) Vinyl Acetate	5.90	43	2419823	102.637	ug/l	100
24) 1,1-Dichloroethane	5.85	63	339559	20.633	ug/l	99
25) 2-Butanone	6.84	43	631679	97.886	ug/l	97
26) 2,2-Dichloropropane	6.83	77	189196	18.442	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	191297	20.846	ug/l	100
28) Bromochloromethane	7.19	49	183764	21.502	ug/l	98
29) Tetrahydrofuran	7.22	42	429992	100.792	ug/l	99
30) Chloroform	7.37	83	318562	20.939	ug/l	98
31) Cyclohexane	7.65	56	324766	19.945	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	238998	20.629	ug/l	99
36) 1,1-Dichloropropene	7.79	75	240373	20.375	ug/l	99
37) Ethyl Acetate	6.94	43	254615	19.785	ug/l	99
38) Carbon Tetrachloride	7.78	117	194010	19.530	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	276053	19.191	ug/l	99
40) Benzene	8.04	78	757659	20.693	ug/l	100
41) Methacrylonitrile	7.18	41	113401	18.986	ug/l	91
42) 1,2-Dichloroethane	8.13	62	259141	20.145	ug/l	99
43) Isopropyl Acetate	8.17	43	386524	19.770	ug/l	98
44) Trichloroethene	8.84	130	179627	20.618	ug/l	94
45) 1,2-Dichloropropane	9.12	63	210771	20.119	ug/l	98
46) Dibromomethane	9.21	93	124287	20.468	ug/l	99
47) Bromodichloromethane	9.40	83	231296	19.910	ug/l	100
48) Methyl methacrylate	9.20	41	186603	19.809	ug/l	100
49) 1,4-Dioxane	9.20	88	74085	403.520	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1249455	97.169	ug/l	99
52) Toluene	10.16	92	428880	20.489	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	219245	19.650	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	261787	19.636	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	169516	19.988	ug/l	98
56) Ethyl methacrylate	10.43	69	243813	19.327	ug/l	99
57) 1,3-Dichloropropane	10.71	76	304621	20.232	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	307363	81.268	ug/l	99
59) 2-Hexanone	10.75	43	862615	95.658	ug/l	100
60) Dibromochloromethane	10.90	129	153655	19.927	ug/l	99
61) 1,2-Dibromoethane	11.01	107	165683	20.333	ug/l	100
64) Tetrachloroethene	10.63	164	175547	20.830	ug/l	98
65) Chlorobenzene	11.43	112	430267	20.334	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	151581	20.808	ug/l	98
67) Ethyl Benzene	11.51	91	795040	20.005	ug/l	99
68) m/p-Xylenes	11.62	106	588571	41.268	ug/l	99
69) o-Xylene	11.95	106	290731	20.740	ug/l	98
70) Styrene	11.96	104	465918	20.746	ug/l	100
71) Bromoform	12.13	173	97261	19.785	ug/l #	100
73) Isopropylbenzene	12.25	105	762074	21.524	ug/l	99
74) N-amyl acetate	12.07	43	287420	18.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	240114	20.813	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	199582m	18.205	ug/l	
77) Bromobenzene	12.53	156	173748	19.578	ug/l	98
78) n-propylbenzene	12.59	91	840005	19.448	ug/l	100
79) 2-Chlorotoluene	12.67	91	520707	19.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	637482	19.794	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53058	17.858	ug/l	92
82) 4-Chlorotoluene	12.77	91	490272	19.276	ug/l	98
83) tert-Butylbenzene	12.99	119	546979	19.814	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	591977	20.042	ug/l	99
85) sec-Butylbenzene	13.17	105	717475	19.556	ug/l	99
86) p-Isopropyltoluene	13.29	119	581939	19.490	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	272001	19.835	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	265367	19.608	ug/l	98
89) n-Butylbenzene	13.61	91	428533	18.516	ug/l	99
90) Hexachloroethane	13.87	117	90883	18.659	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	272696	19.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34148	18.440	ug/l	97

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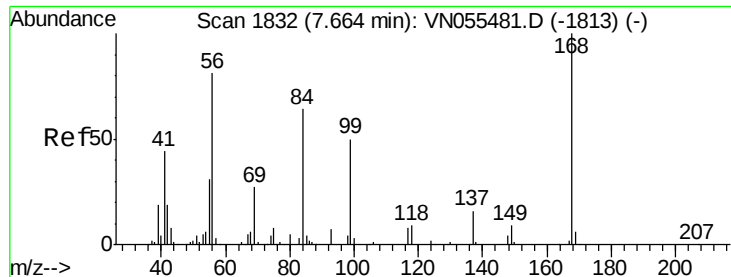
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84583	16.470	ug/l	96
94) Hexachlorobutadiene	15.01	225	87049	20.068	ug/l	99
95) Naphthalene	15.13	128	233052	16.002	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	95663	16.509	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS01

Tot Ion:168 Resp: 670080

Ion Ratio Lower Upper

168 100

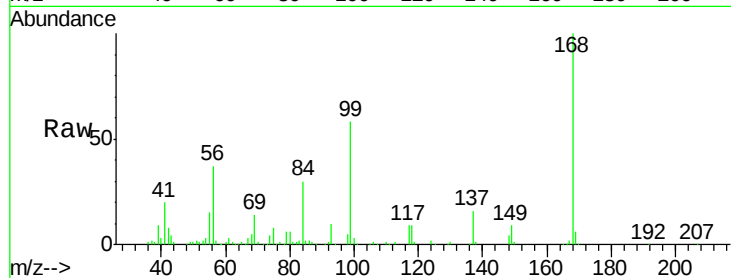
99 57.6 47.0 70.4

Manual Integrations

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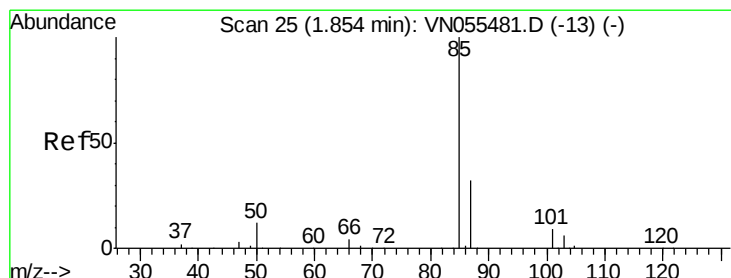
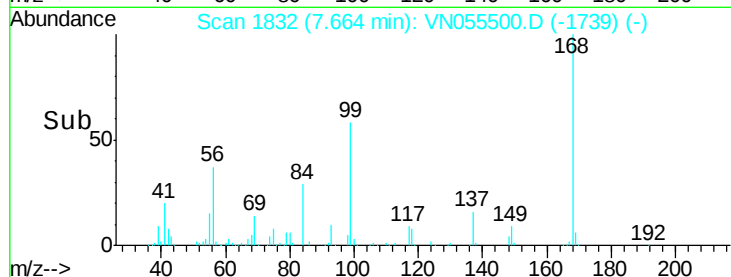
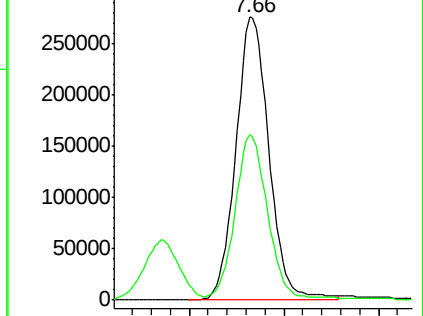
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.031 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055500.D

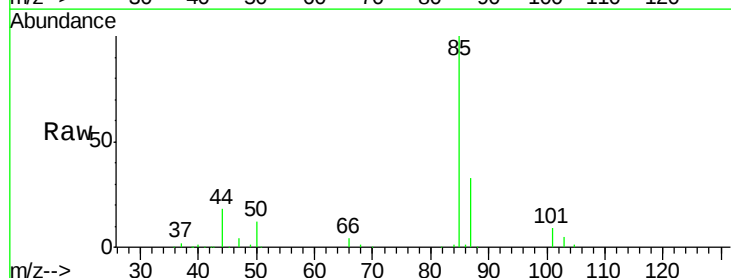
Acq: 9 May 2019 16:29

Tgt Ion: 85 Resp: 136657

Ion Ratio Lower Upper

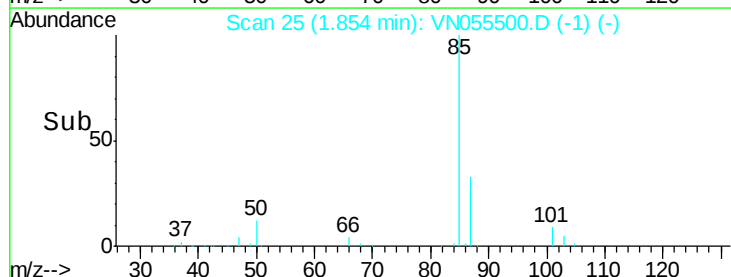
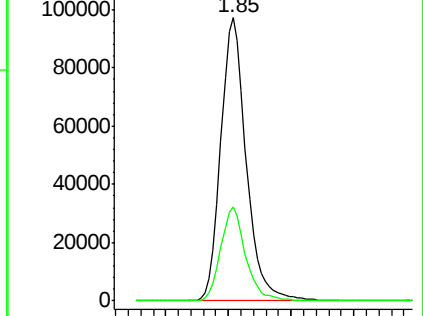
85 100

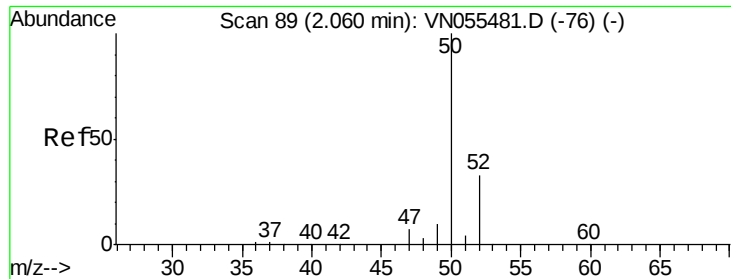
87 33.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.469 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS01

Tot Ion: 50 Resp: 226868

Ion Ratio Lower Upper

50 100

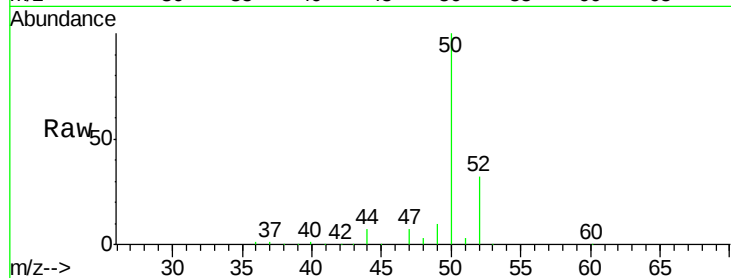
52 32.2 26.6 39.8

Manual Integrations

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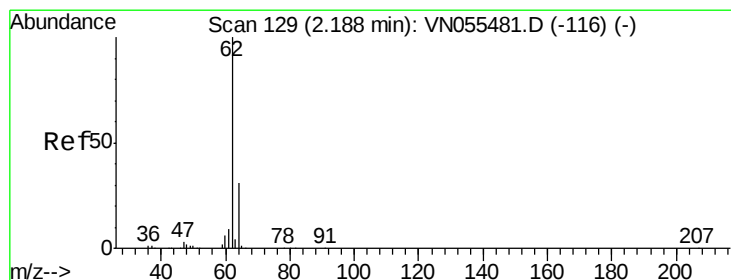
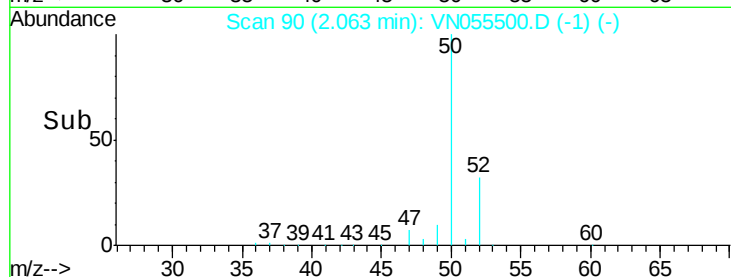
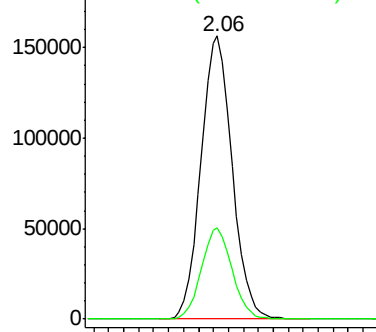
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.546 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055500.D

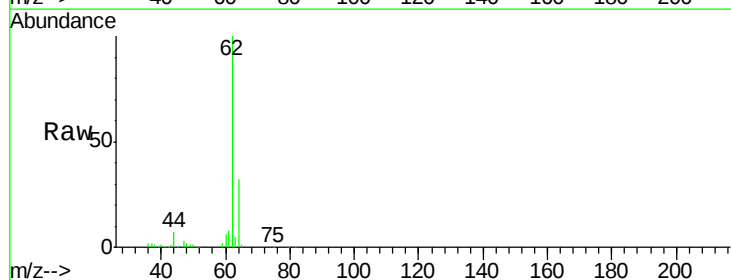
Acq: 9 May 2019 16:29

Tgt Ion: 62 Resp: 214963

Ion Ratio Lower Upper

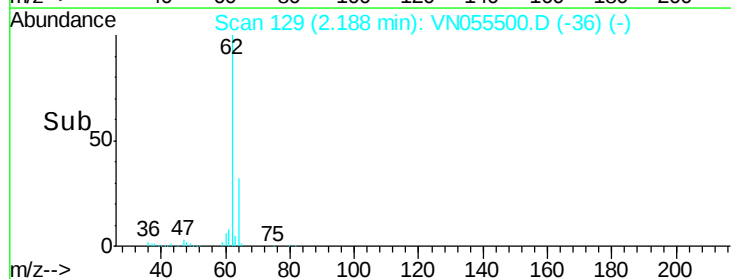
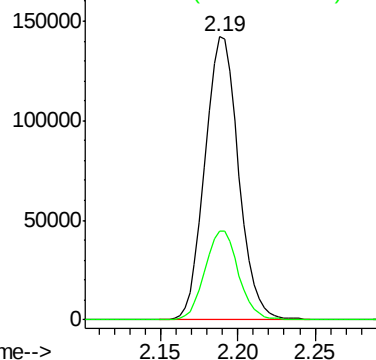
62 100

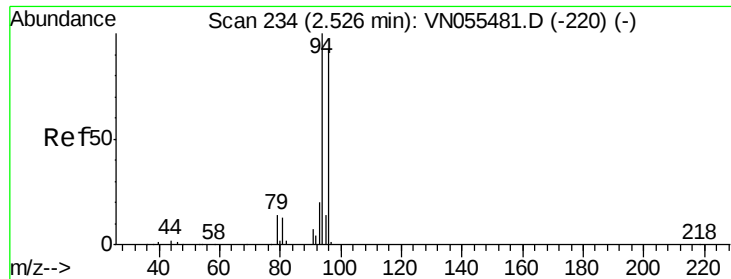
64 31.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.854 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS01

Tot Ion: 94 Resp: 125274

Ion Ratio Lower Upper

94 100

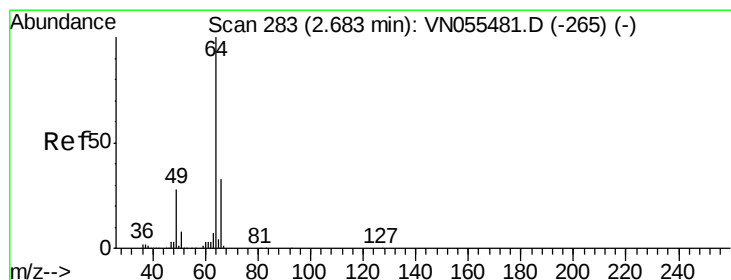
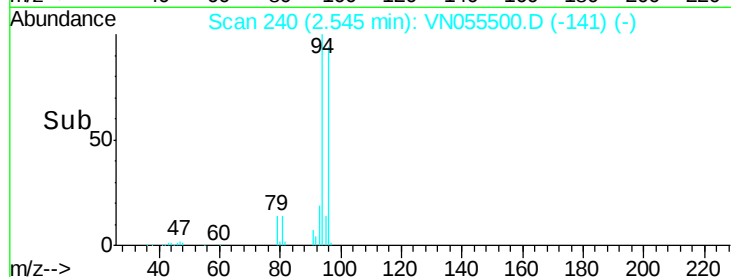
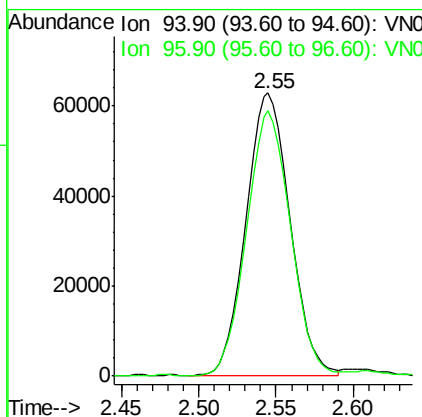
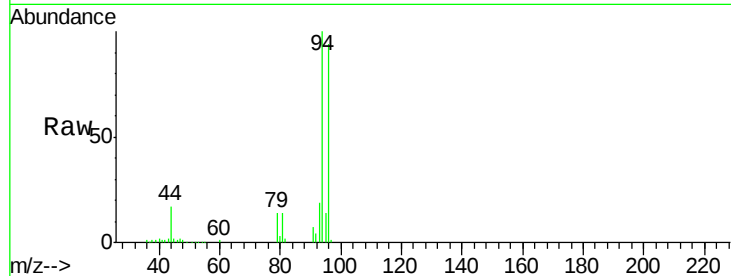
96 93.6 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 21.621 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN055500.D

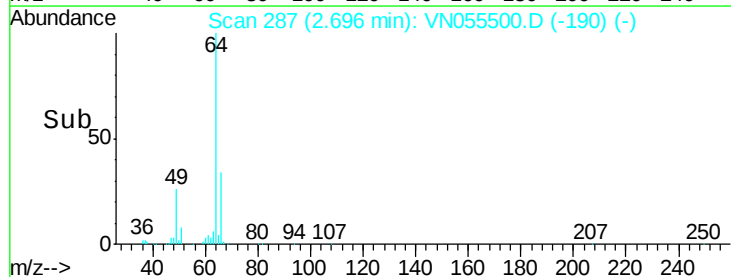
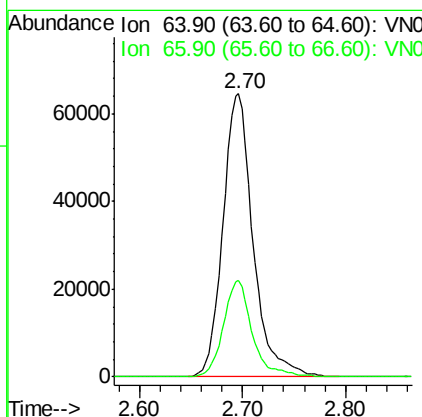
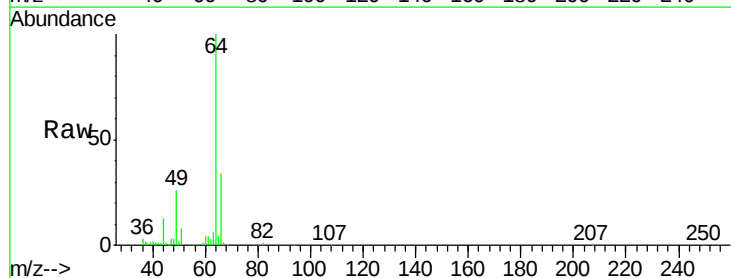
Acq: 9 May 2019 16:29

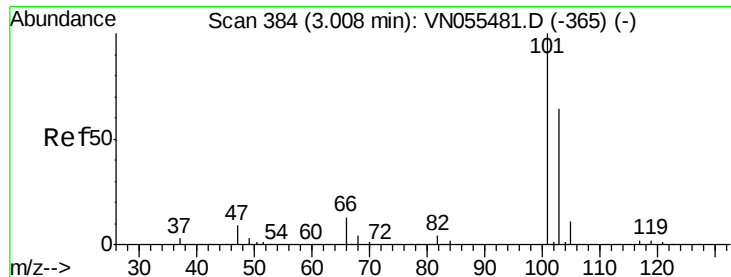
Tgt Ion: 64 Resp: 131762

Ion Ratio Lower Upper

64 100

66 34.2 26.2 39.2





#7

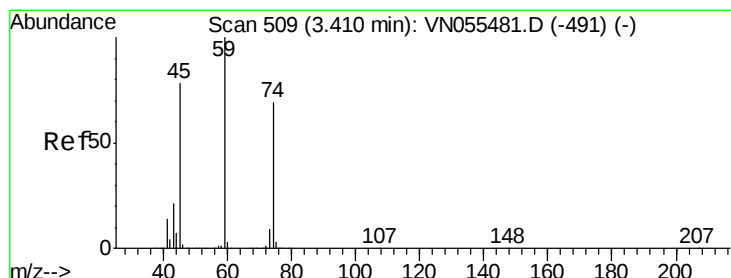
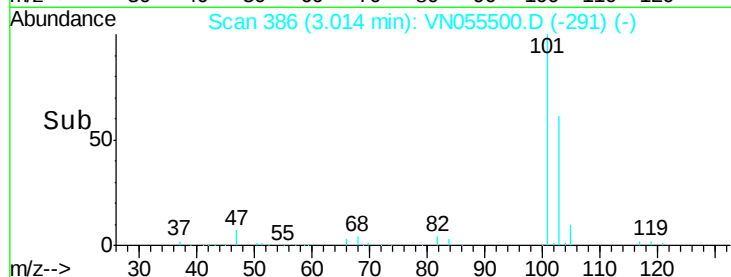
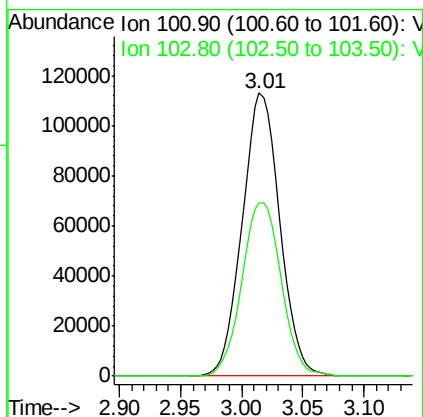
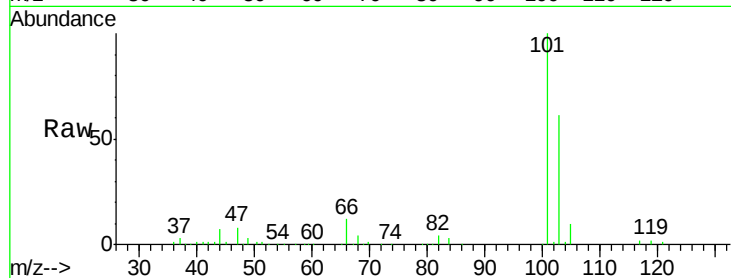
Trichlorofluoromethane
Concen: 21.028 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion:101 Resp: 241352
Ion Ratio Lower Upper
101 100
103 61.3 51.2 76.8

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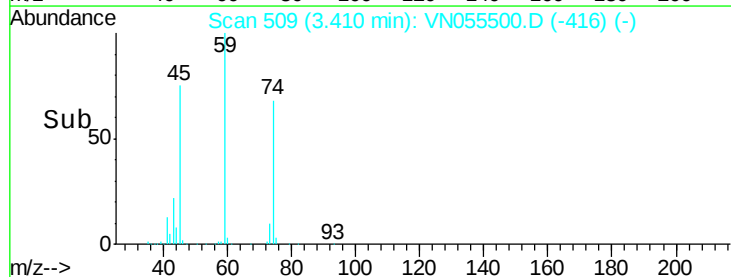
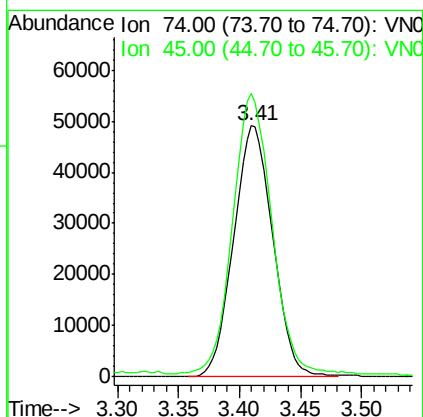
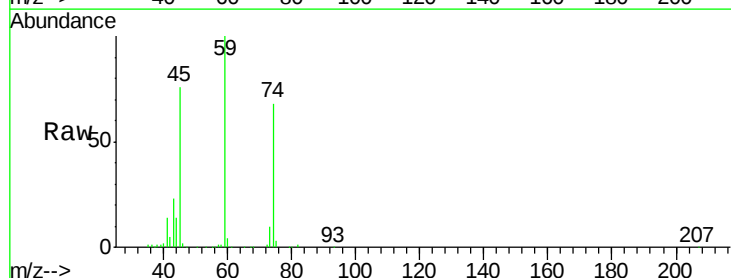
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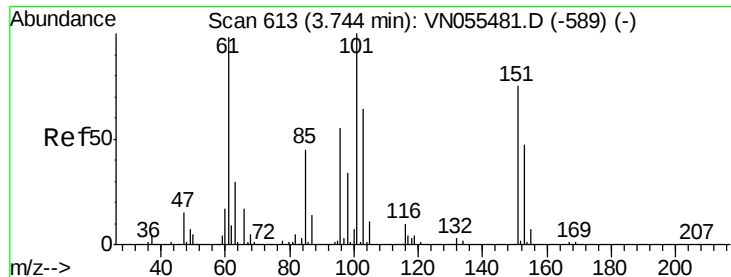


#8

Diethyl Ether
Concen: 21.172 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion: 74 Resp: 109136
Ion Ratio Lower Upper
74 100
45 111.5 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.195 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

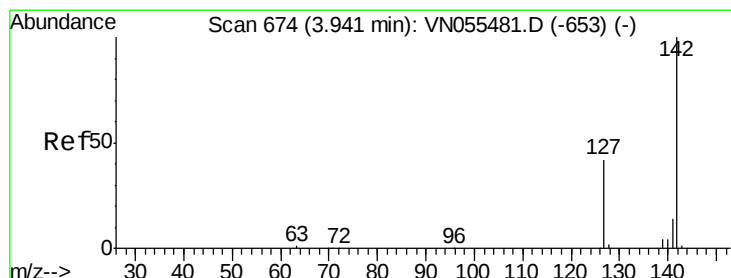
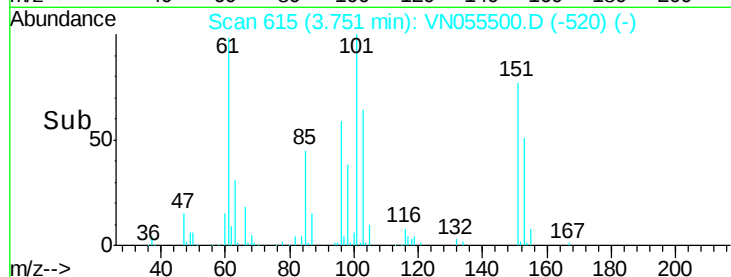
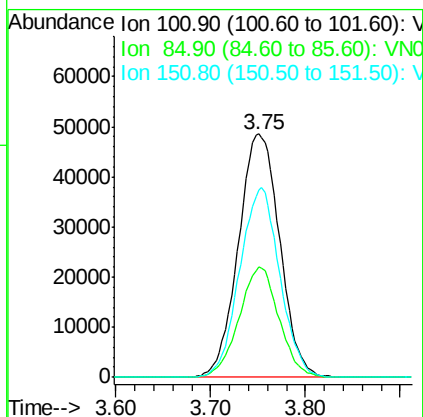
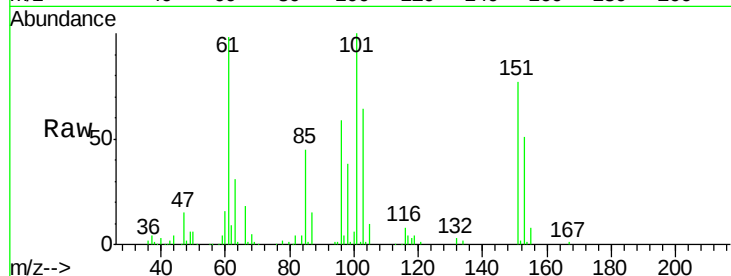
ClientSampleId :

VN0509WBS01

Tot Ion:	101	Resp:	147473
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.5	53.3
151	75.5	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.427 ug/l

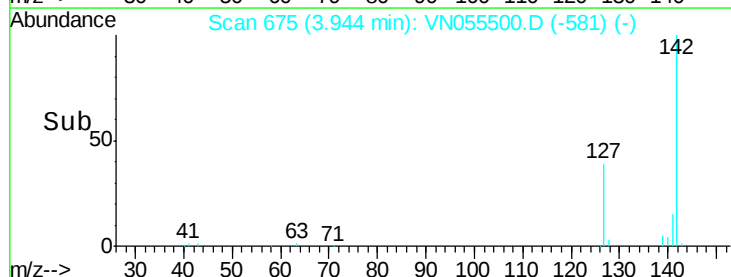
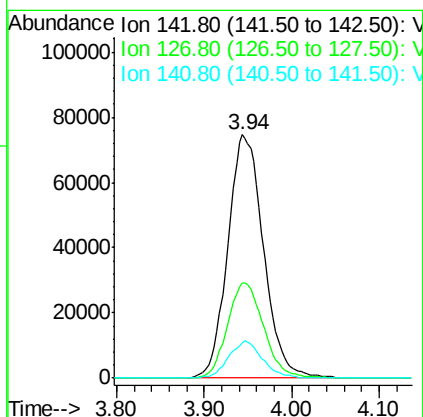
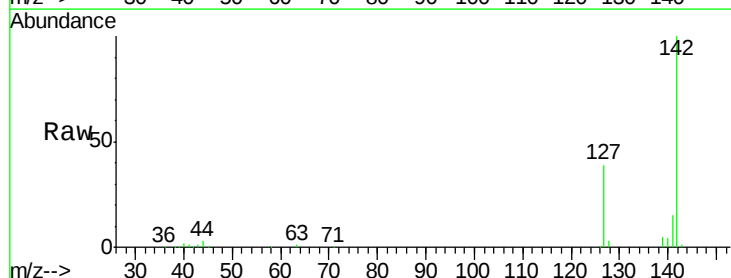
RT: 3.94 min Scan# 675

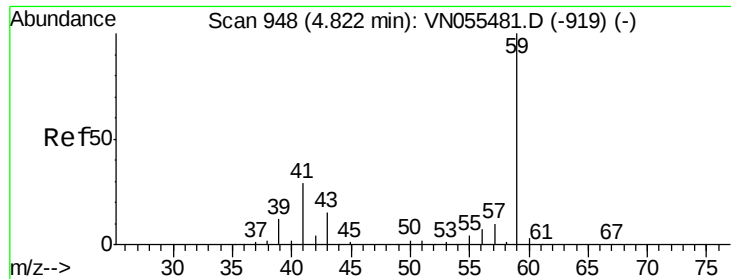
Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Tgt Ion:	142	Resp:	211477
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.0	49.4
141	14.4	11.4	17.0





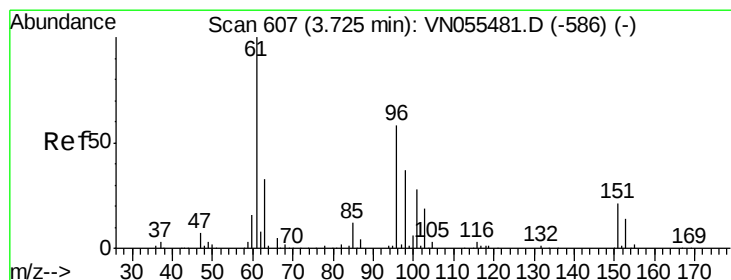
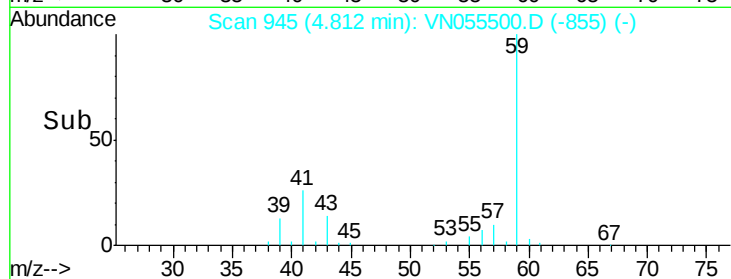
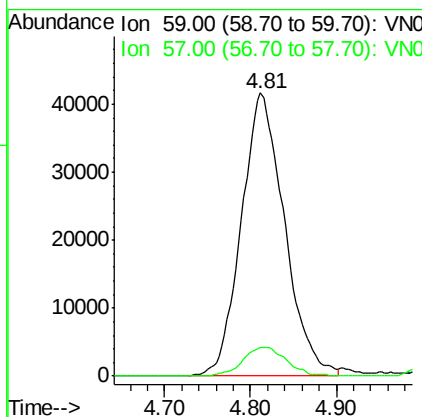
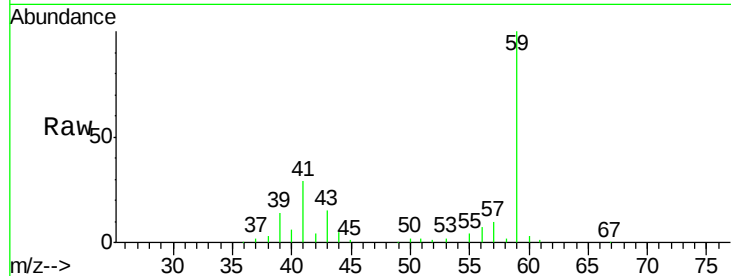
#11
Tert butyl alcohol
Concen: 97.493 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.0	12.0

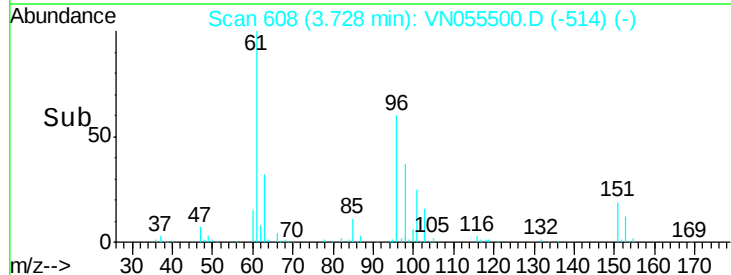
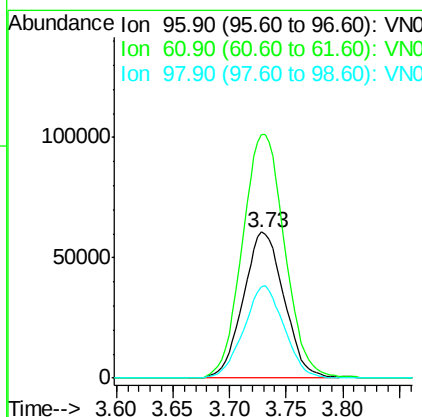
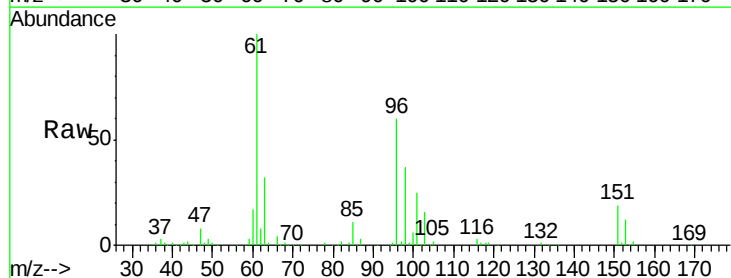
Manual Integrations
APPROVED

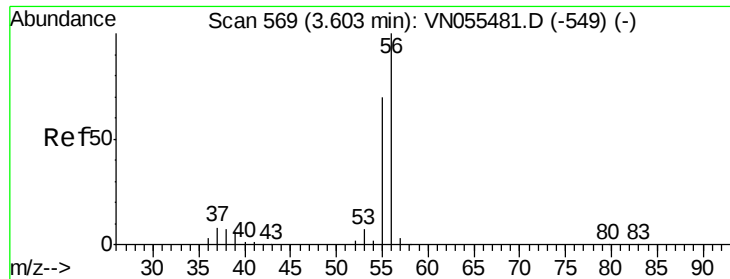
MMDadoda
5/10/2019 12:43:45 PM



#12
1,1-Dichloroethene
Concen: 20.817 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.6	138.7	208.1
98	62.4	50.6	76.0





#13

Acrolein

Concen: 105.712 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS01

Tot Ion: 56 Resp: 104953

Ion Ratio Lower Upper

56 100

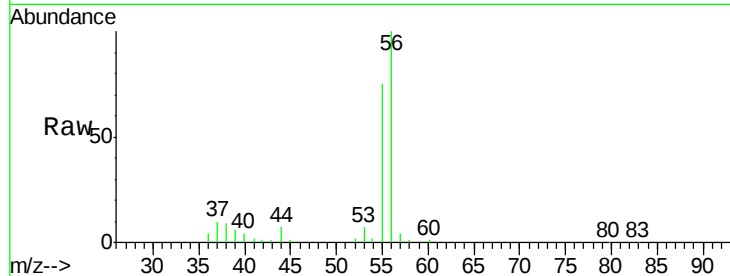
55 70.7 57.7 86.5

Manual Integrations

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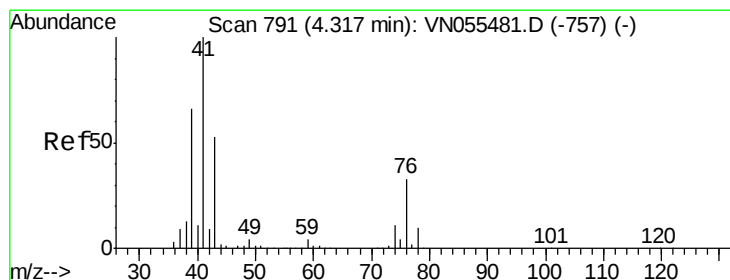
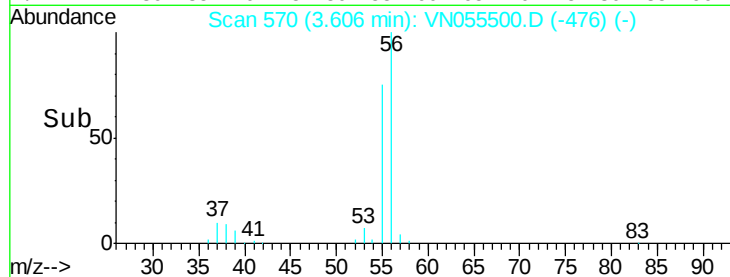
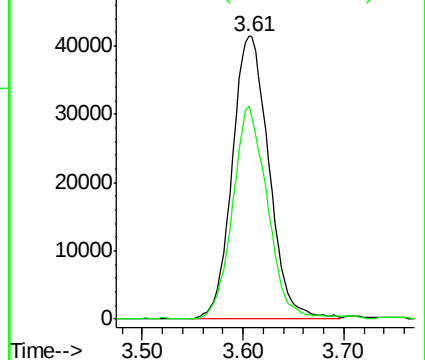
MMDadoda

5/10/2019 12:43:45 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.707 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

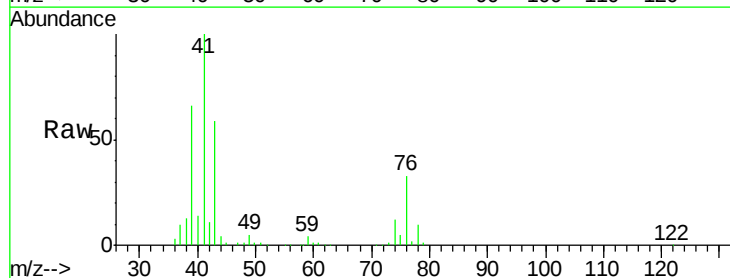
Tgt Ion: 41 Resp: 295651

Ion Ratio Lower Upper

41 100

39 61.6 49.8 74.8

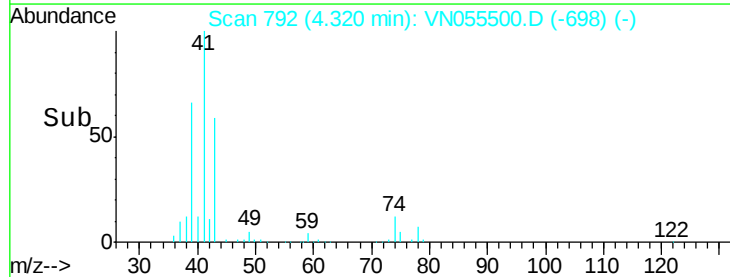
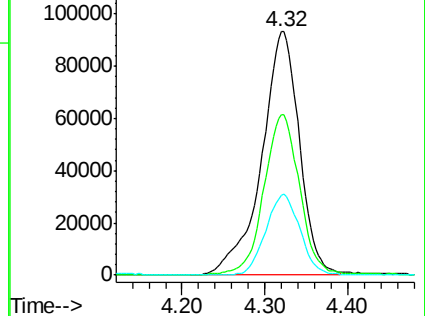
76 30.1 23.5 35.3

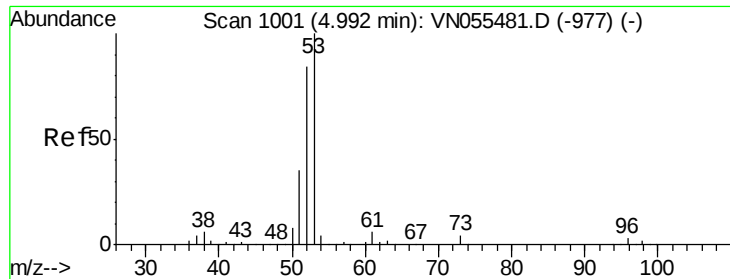


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





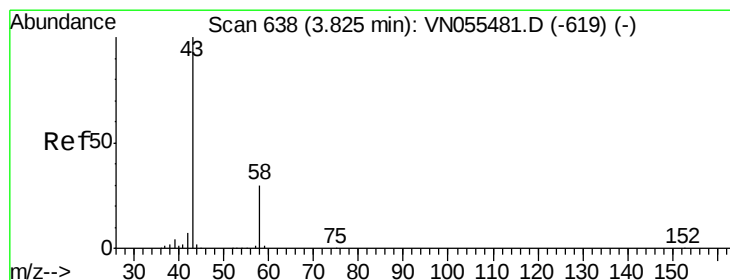
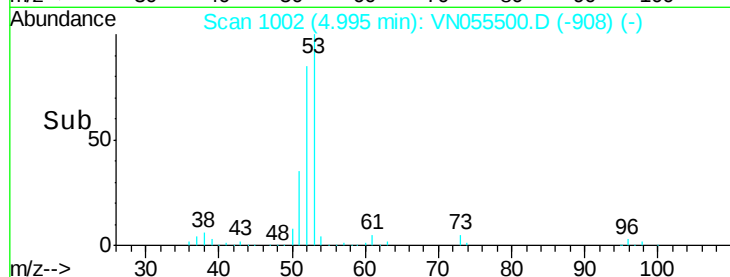
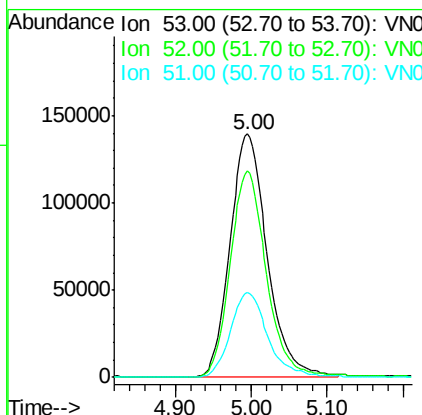
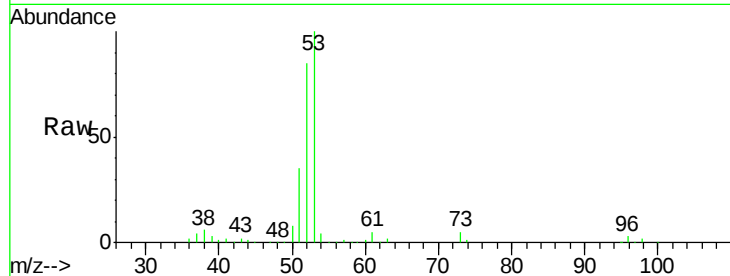
#15
 Acrylonitrile
 Concen: 102.712 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.1	99.1
51	34.9	28.3	42.5

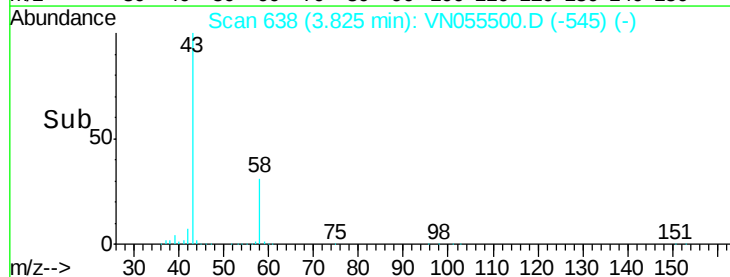
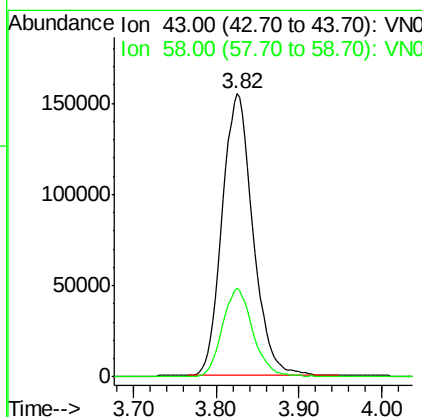
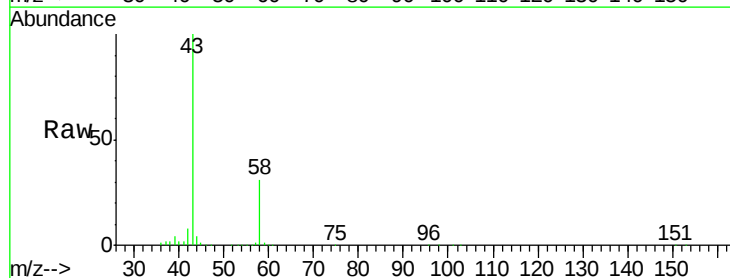
Manual Integrations
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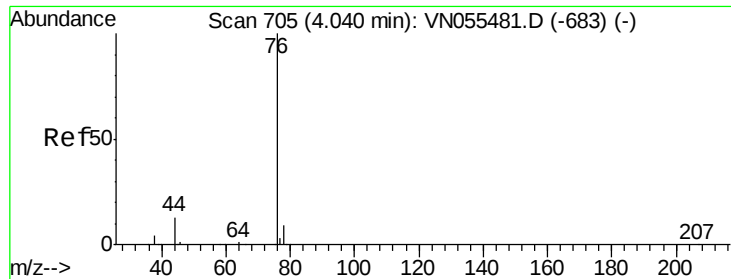
MMDadoda
 5/10/2019 12:43:45 PM



#16
 Acetone
 Concen: 85.343 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.2	36.2





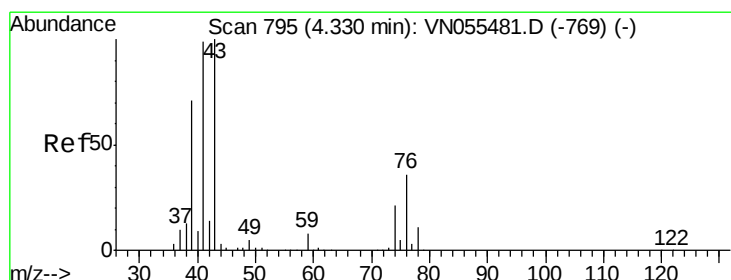
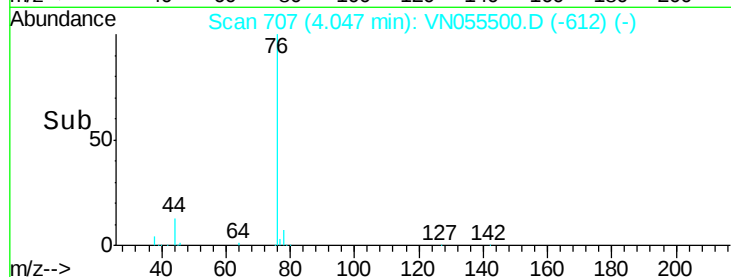
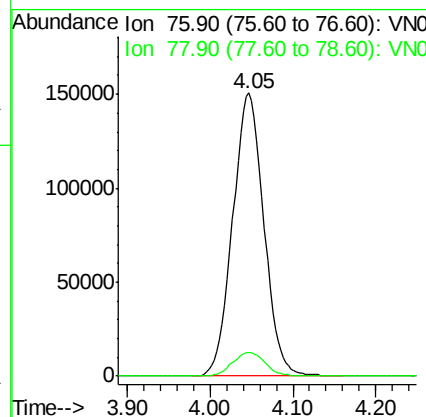
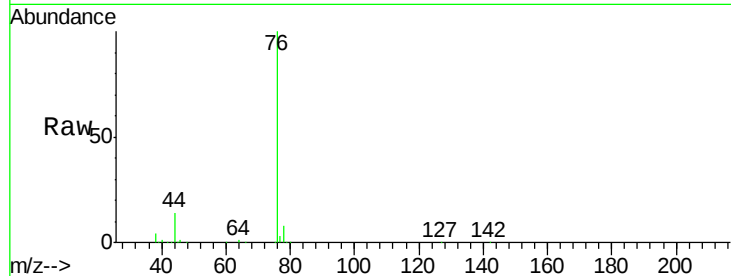
#17
Carbon Disulfide
Concen: 19.716 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.4	11.0

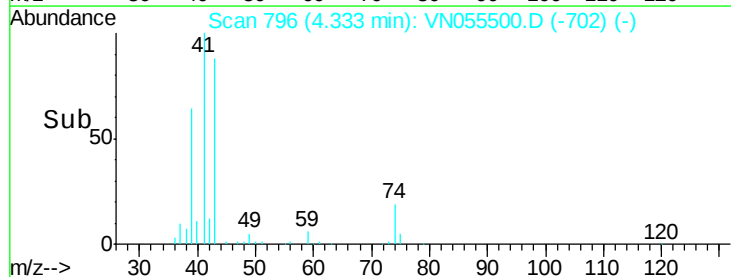
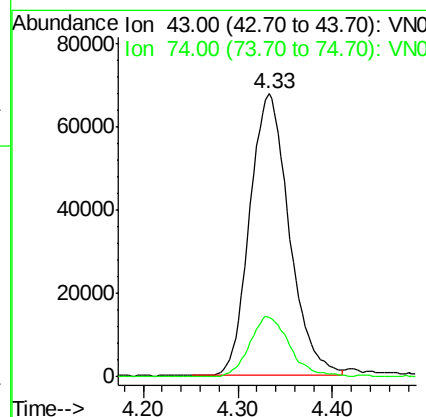
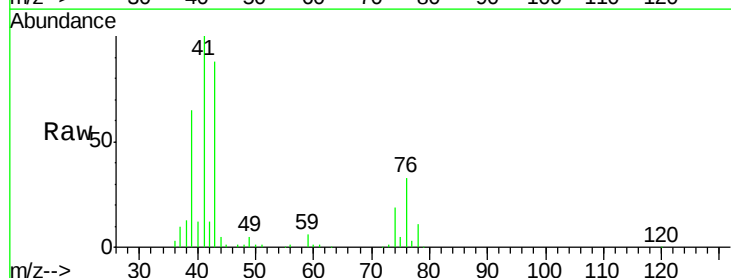
Manual Integrations
APPROVED

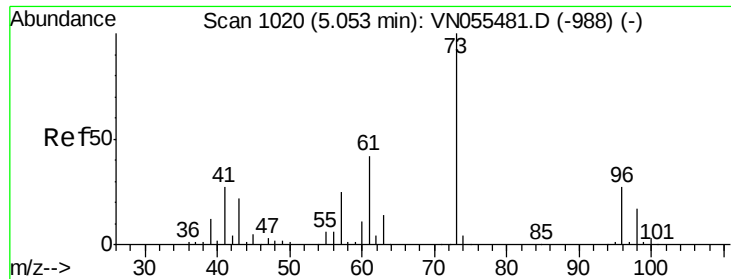
MMDadoda
5/10/2019 12:43:45 PM



#18
Methyl Acetate
Concen: 19.369 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.3	24.5





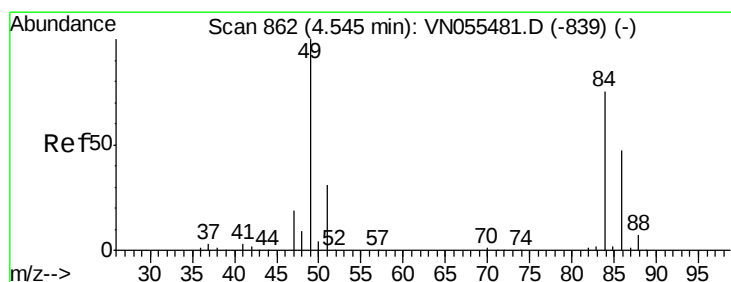
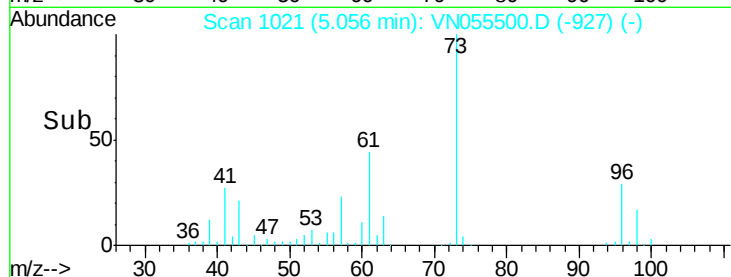
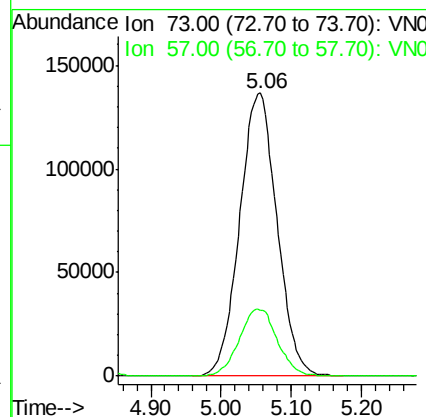
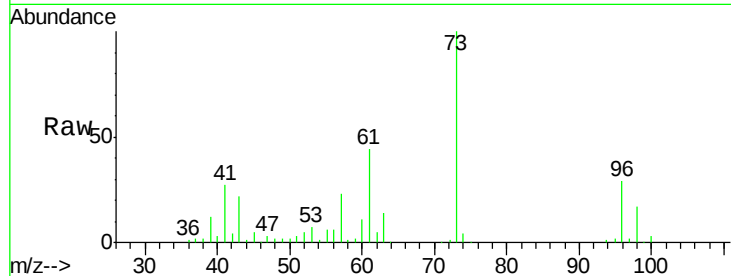
#19
Methvl tert-butvl Ether
Concen: 20.712 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion: 73 Resp: 504023
Ion Ratio Lower Upper
73 100
57 23.3 20.0 30.0

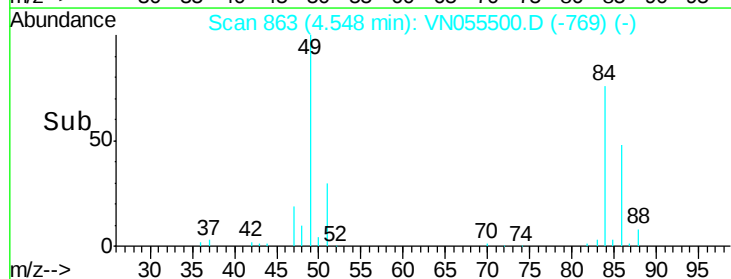
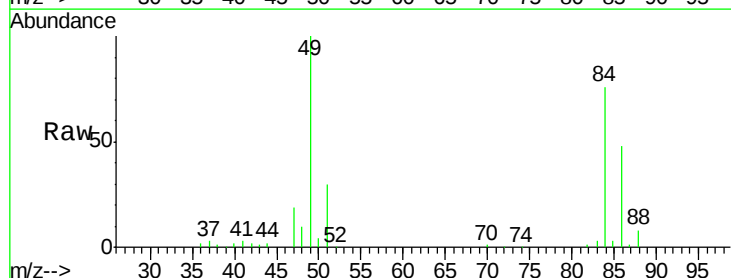
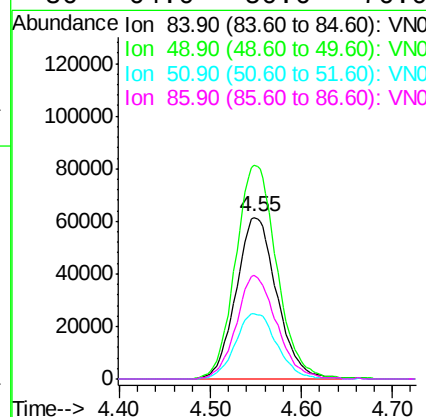
Manual Integrations
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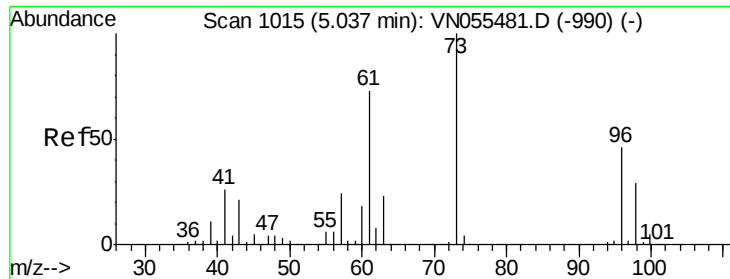
MMDadoda
5/10/2019 12:43:45 PM



#20
Methylene Chloride
Concen: 19.999 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion: 84 Resp: 191041
Ion Ratio Lower Upper
84 100
49 132.2 107.0 160.6
51 39.8 33.0 49.4
86 64.0 50.6 76.0





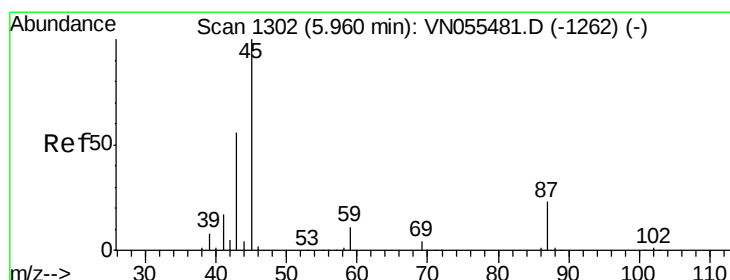
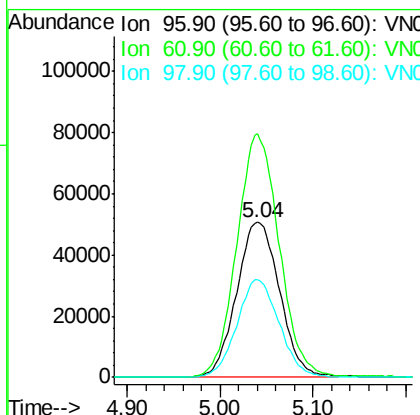
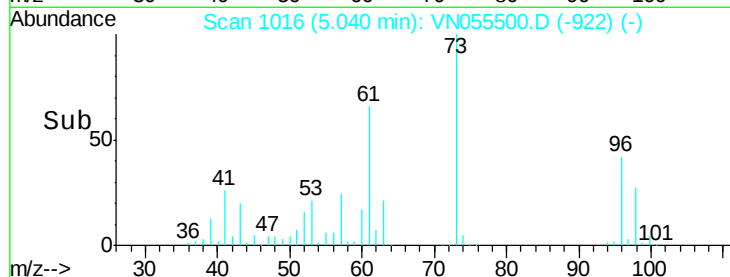
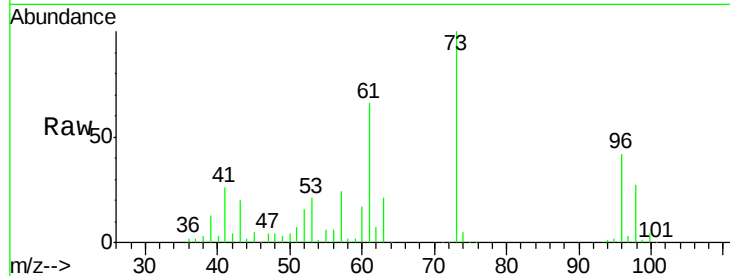
#21
trans-1,2-Dichloroethene
Concen: 20.601 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.9	127.4	191.0
98	63.4	51.6	77.4

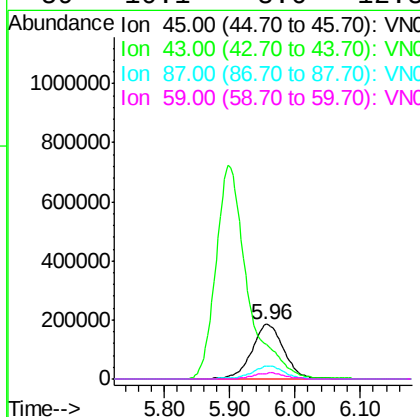
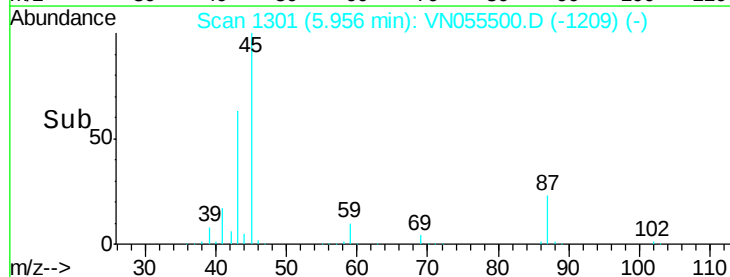
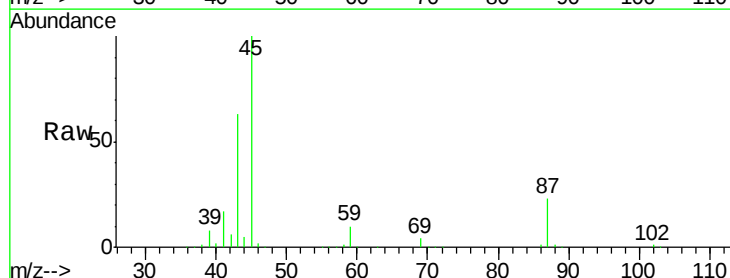
Manual Integrations
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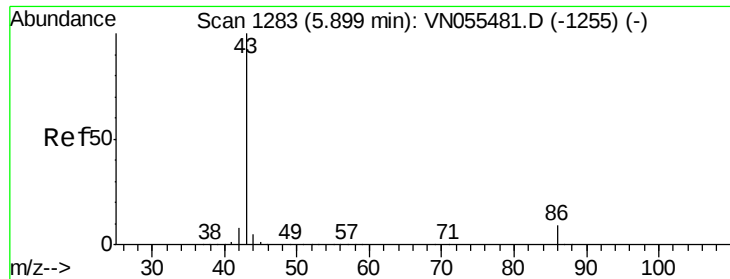
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#22
Diisopropyl ether
Concen: 20.837 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	44.6	66.8
87	22.8	18.6	28.0
59	10.1	8.6	12.8





#23

Vinyl Acetate

Concen: 102.637 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS01

Tot Ion: 43 Resp: 2419823

Ion Ratio Lower Upper

43 100

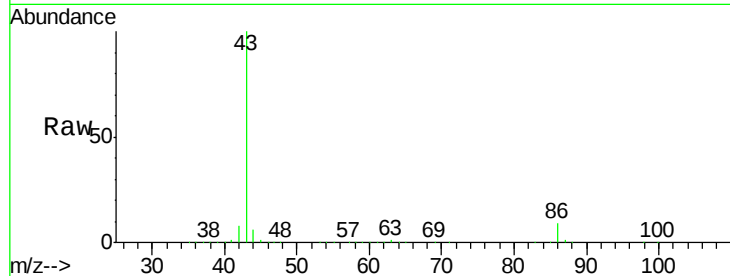
86 9.0 7.1 10.7

Manual Integrations

APPROVED

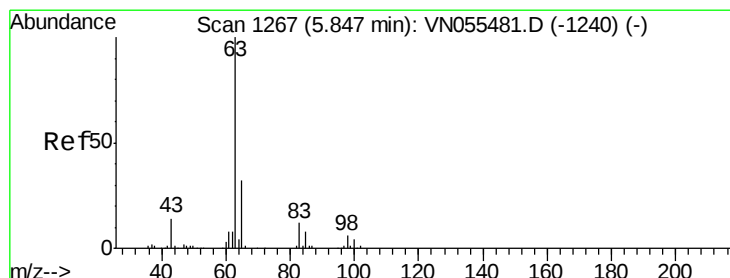
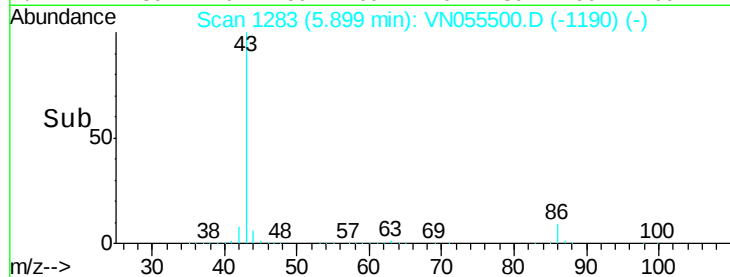
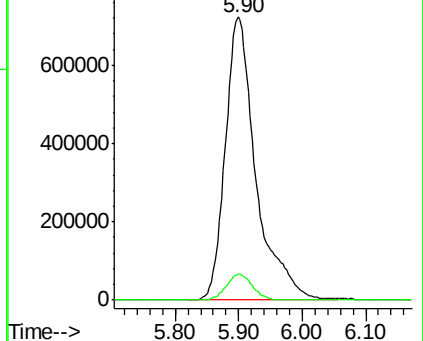
MMDadoda

5/10/2019 12:43:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.633 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

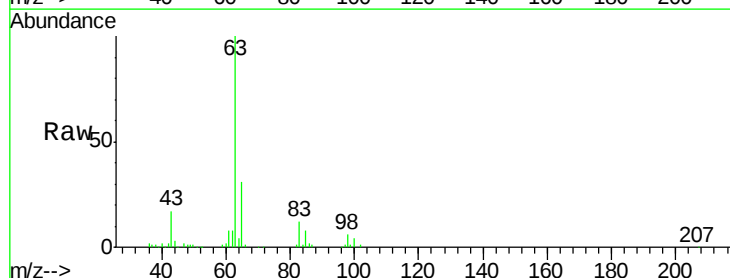
Tgt Ion: 63 Resp: 339559

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

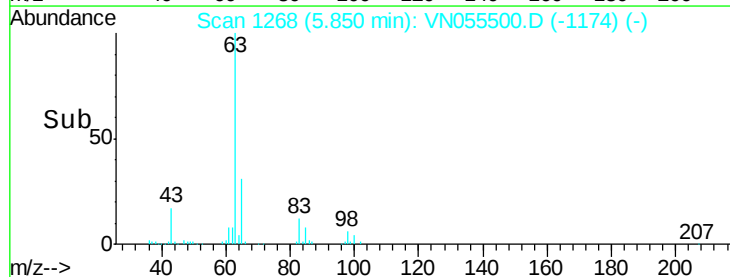
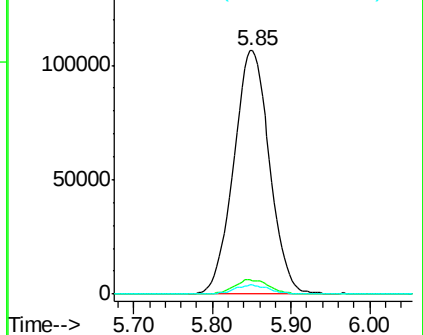
100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.886 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS01

Tot Ion: 43 Resp: 631679

Ion Ratio Lower Upper

43 100

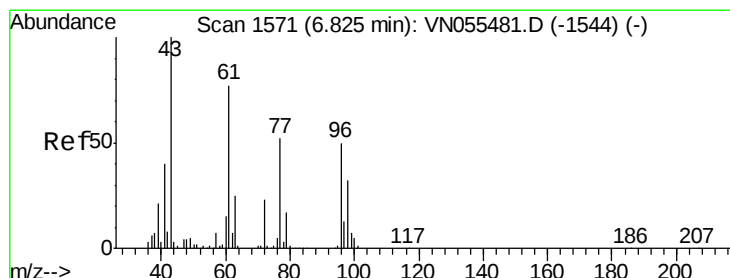
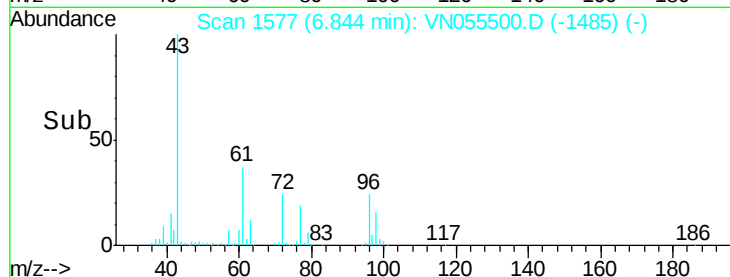
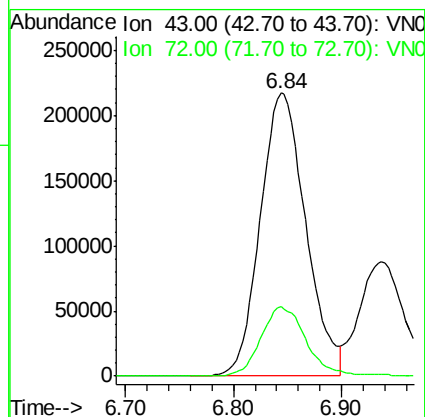
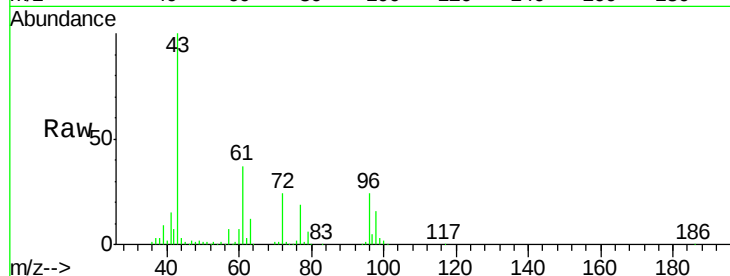
72 24.5 18.6 27.8

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#26

2,2-Dichloropropane

Concen: 18.442 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055500.D

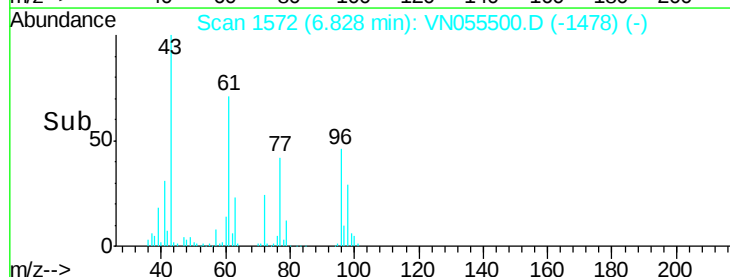
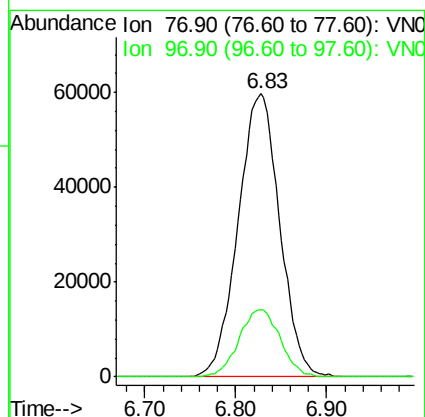
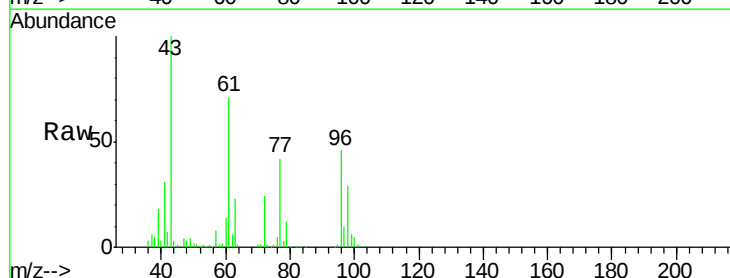
Acq: 9 May 2019 16:29

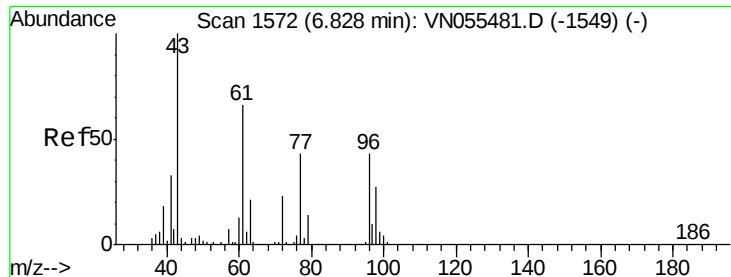
Tgt Ion: 77 Resp: 189196

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 20.846 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

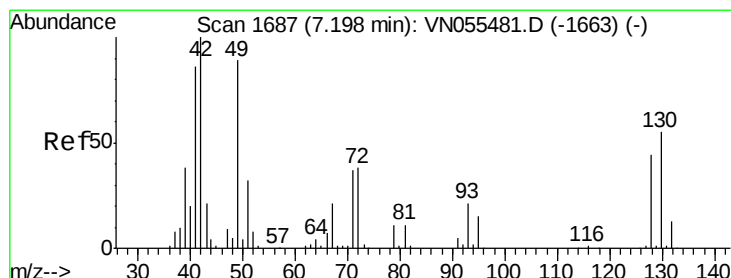
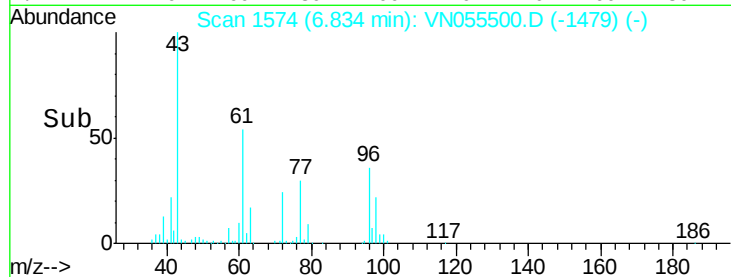
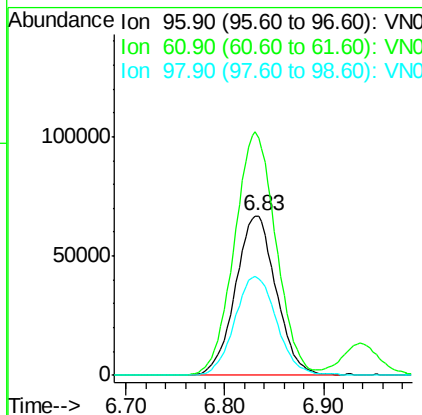
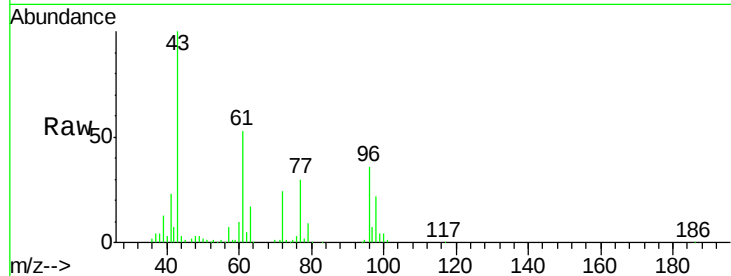
ClientSampleId :

VN0509WBS01

Tot Ion:	96	Resp:	191297
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	310.8
98	64.3	0.0	129.4

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#28

Bromochloromethane

Concen: 21.502 ug/l

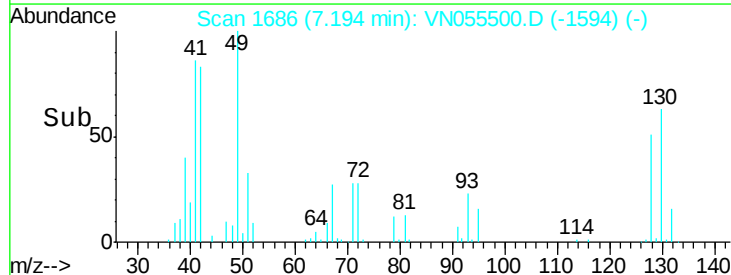
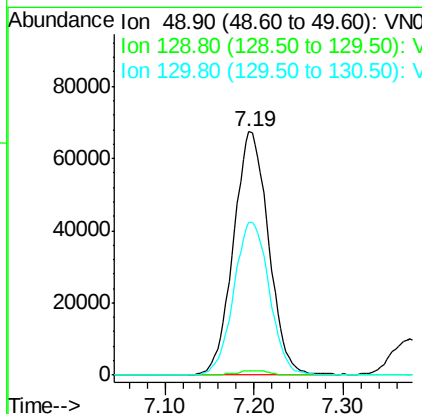
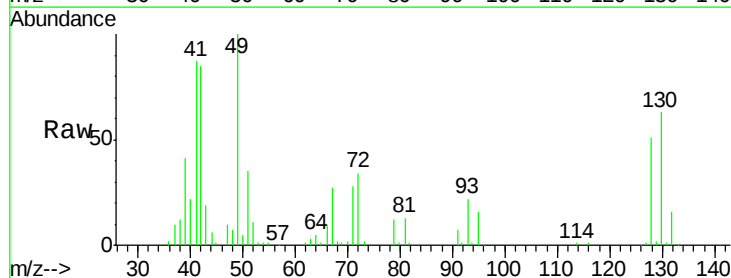
RT: 7.19 min Scan# 1686

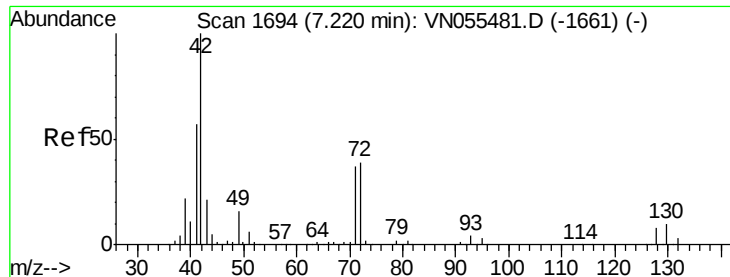
Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Tgt Ion:	49	Resp:	183764
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	63.5	49.5	74.3





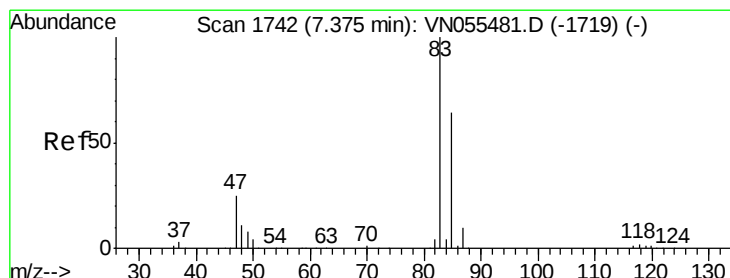
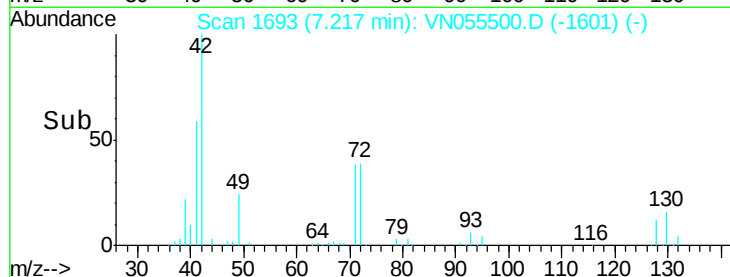
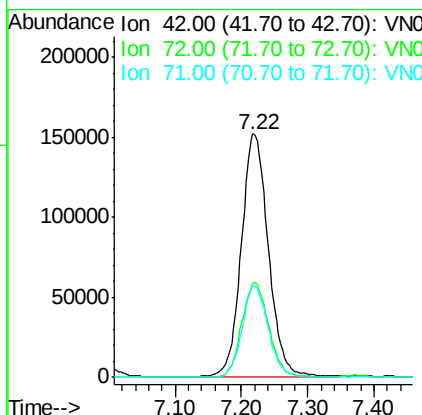
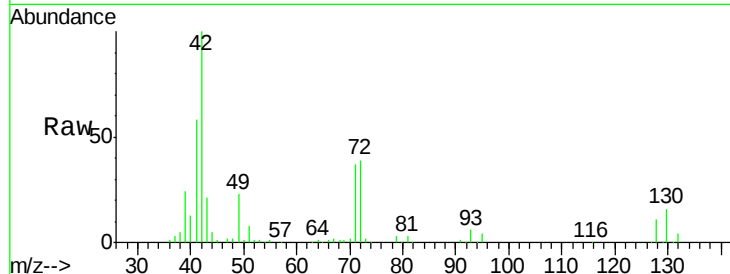
#29
Tetrahydrofuran
Concen: 100.792 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.0	46.6
71	36.4	29.4	44.2

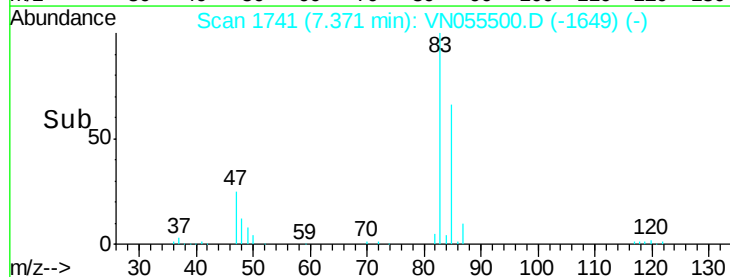
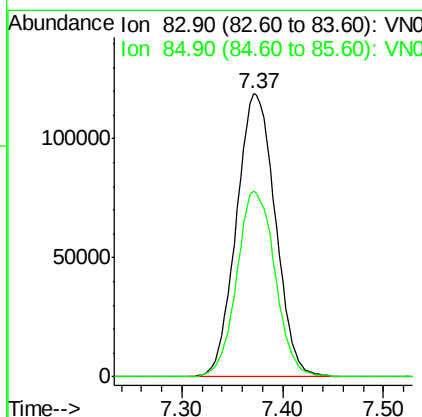
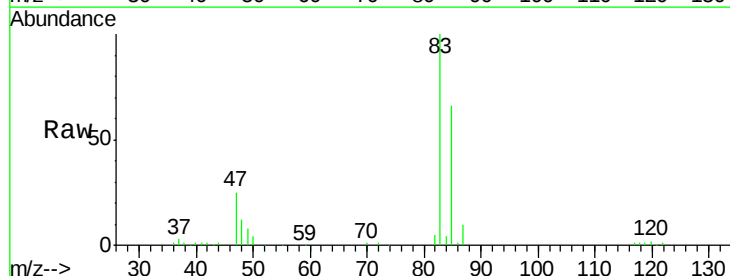
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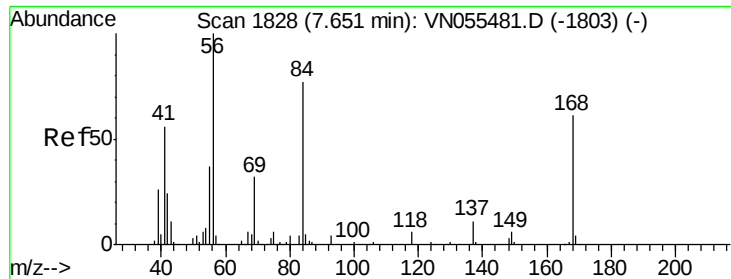
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#30
Chloroform
Concen: 20.939 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.3	76.9





#31

Cvclohexane

Concen: 19.945 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

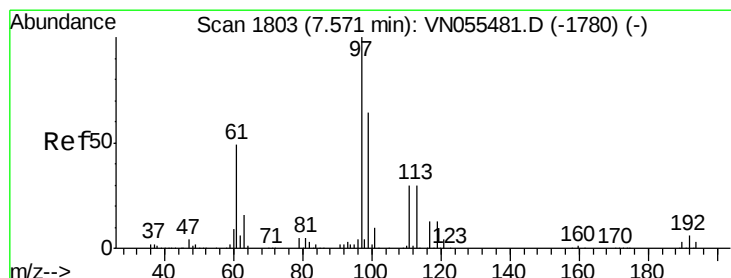
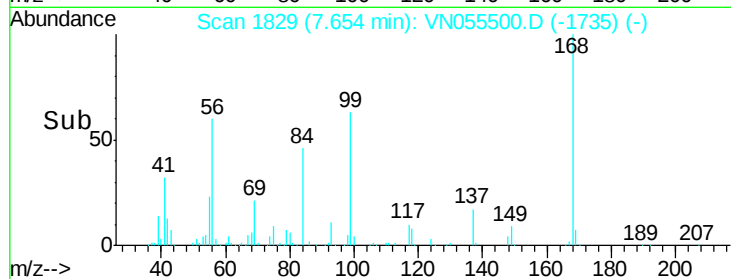
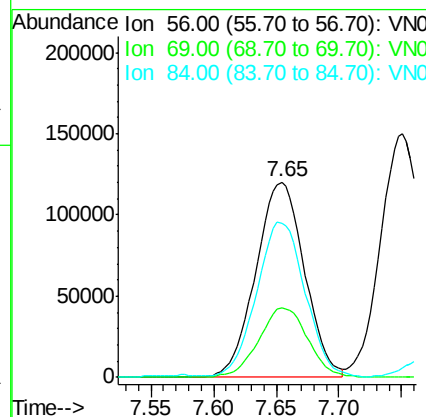
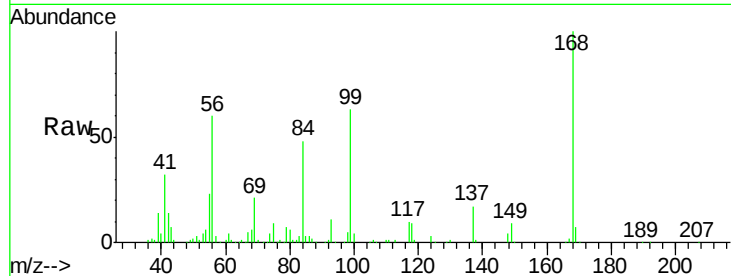
ClientSampleId :

VN0509WBS01

Tot Ion:	56	Resp:	324766
Ion Ratio	Lower	Upper	
56	100		
69	35.7	26.0	39.0
84	78.0	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 20.629 ug/l

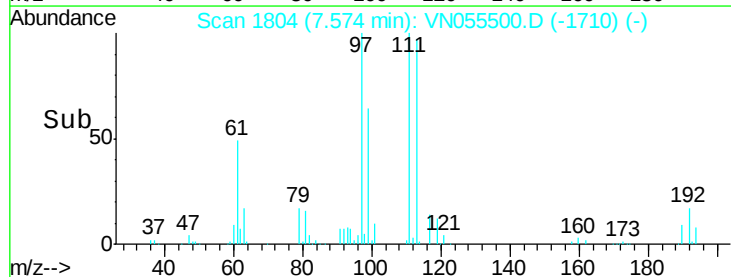
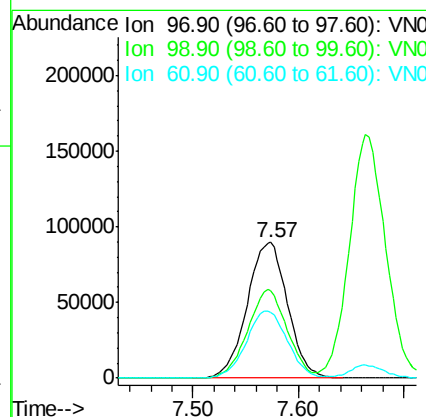
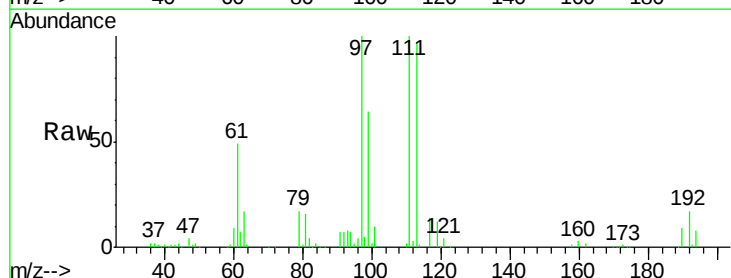
RT: 7.57 min Scan# 1804

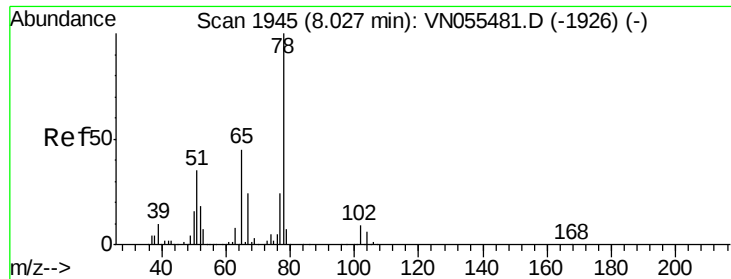
Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Tgt Ion:	97	Resp:	238998
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.2	76.8
61	50.4	39.2	58.8





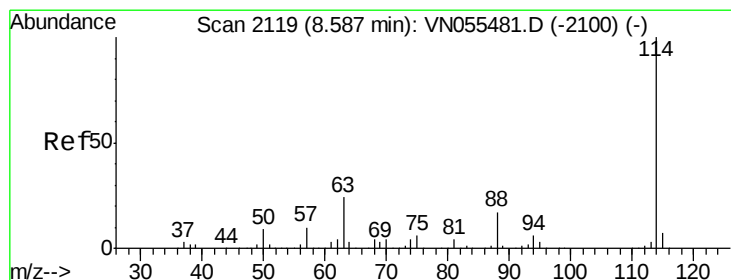
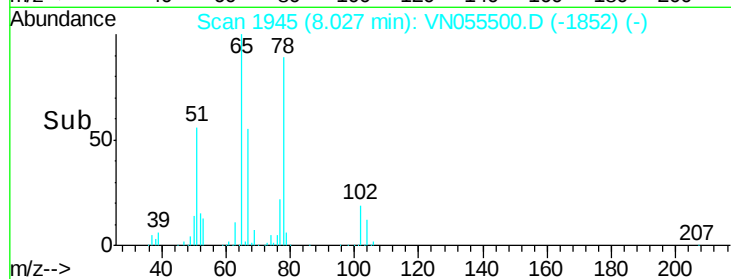
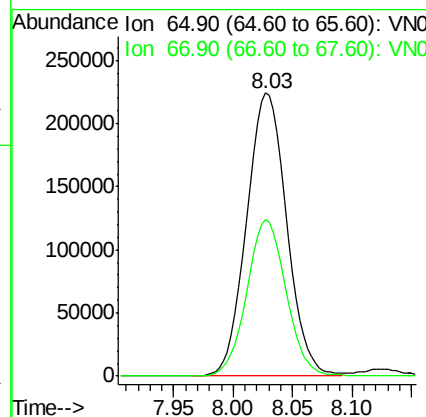
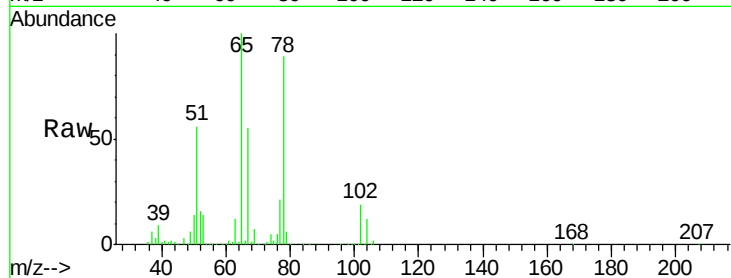
#33
 1,2-Dichloroethane-d4
 Concen: 51.921 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	109.6	

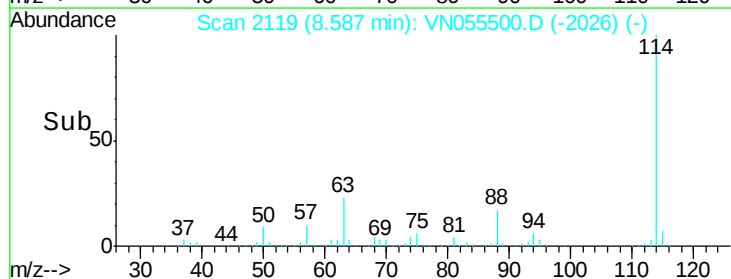
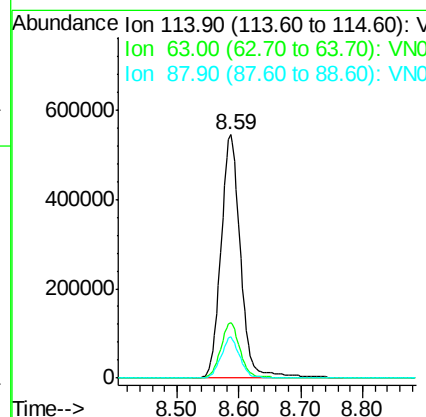
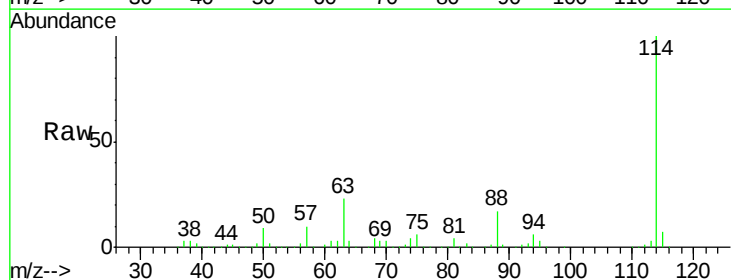
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	47.4	
88	16.8	0.0	34.0	





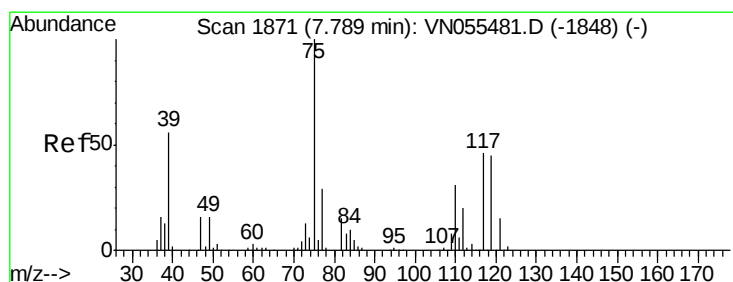
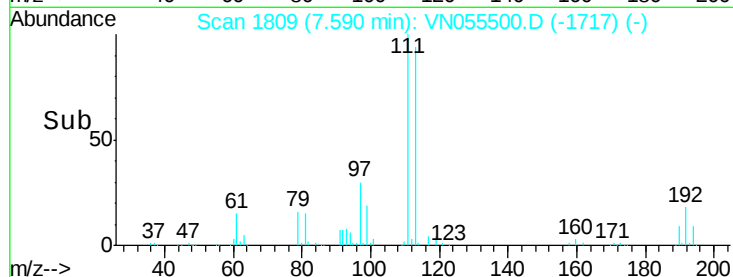
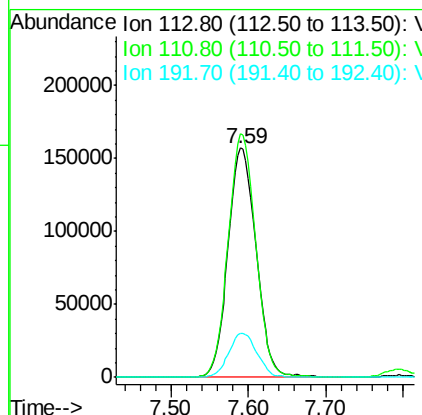
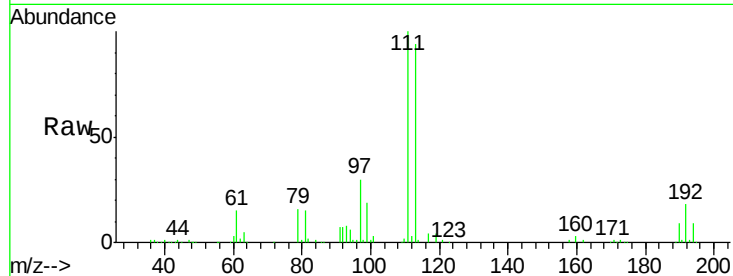
#35
 Dibromofluoromethane
 Concen: 51.281 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.2	82.9	124.3	
192	19.4	15.6	23.4	

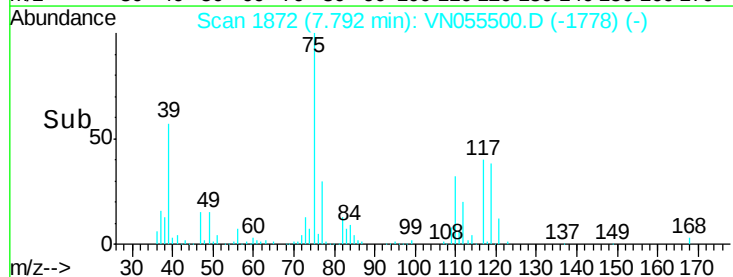
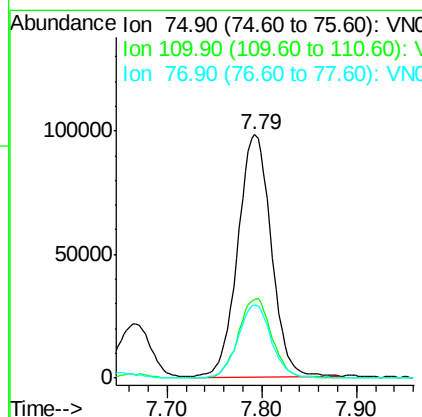
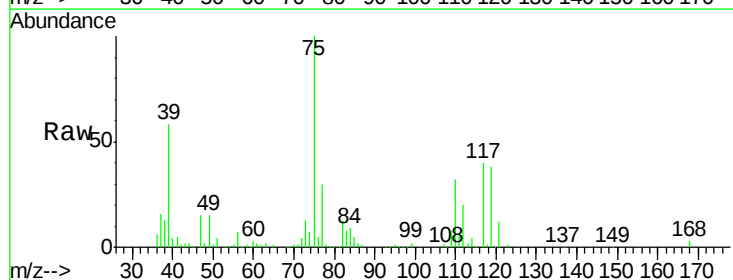
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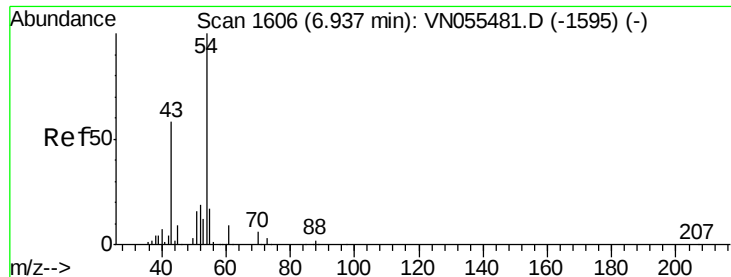
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#36
 1,1-Dichloropropene
 Concen: 20.375 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.8	16.1	48.3	
77	30.3	24.6	37.0	





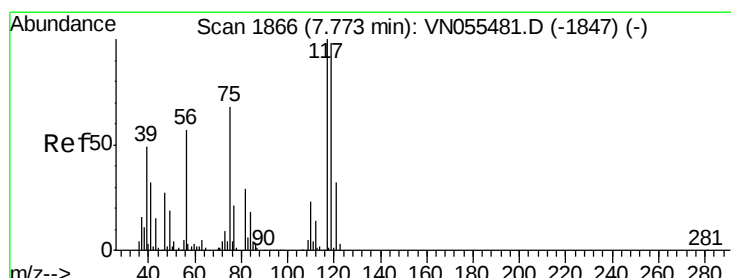
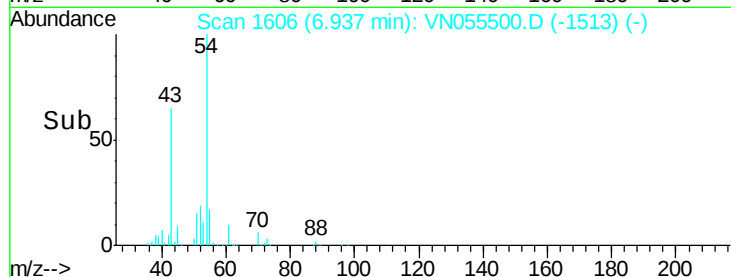
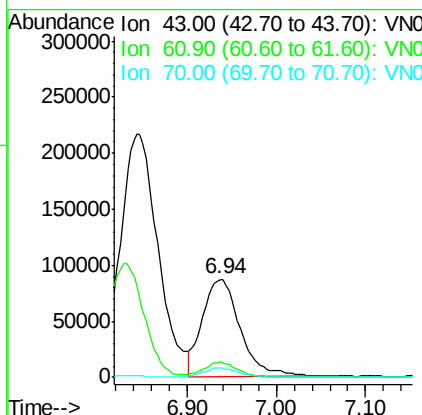
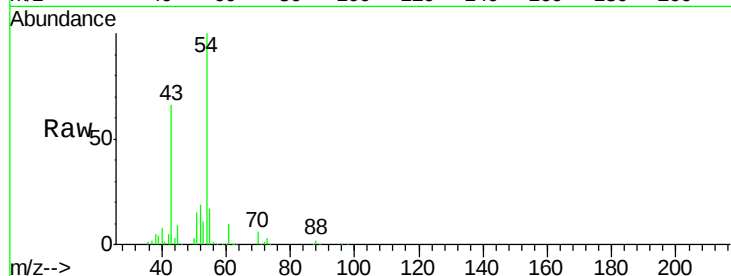
#37
Ethyl Acetate
Concen: 19.785 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	254615		
61	13.3		10.9	16.3
70	9.4		7.0	10.6

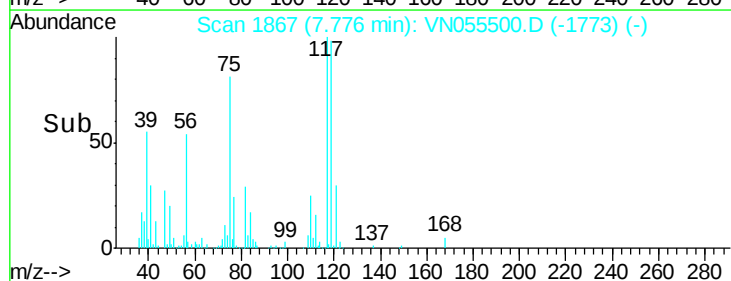
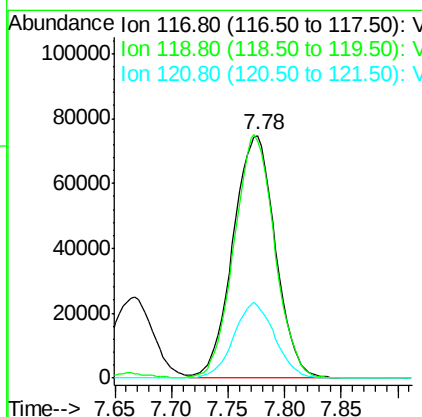
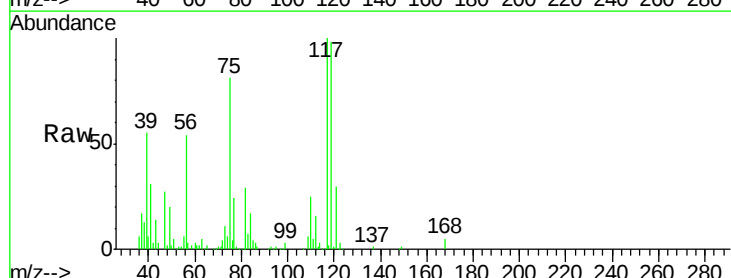
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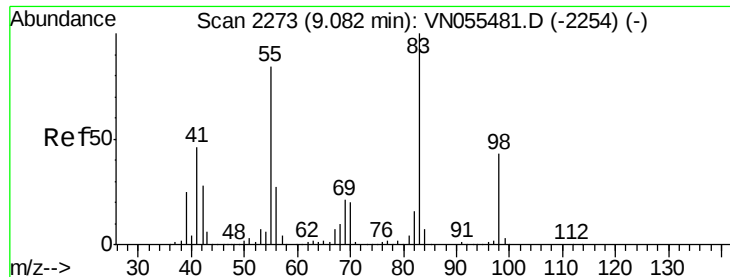
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#38
Carbon Tetrachloride
Concen: 19.530 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	194010		
119	97.9		77.8	116.6
121	29.7		25.2	37.8





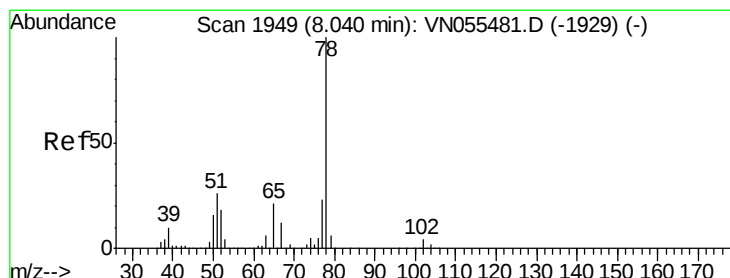
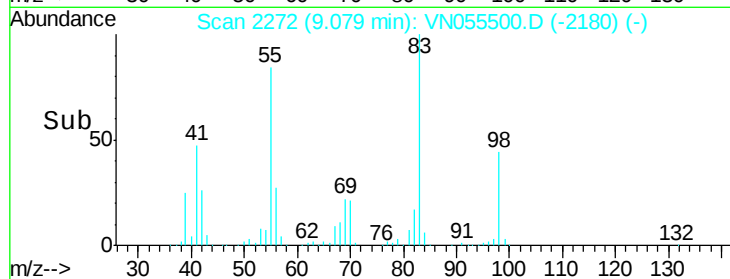
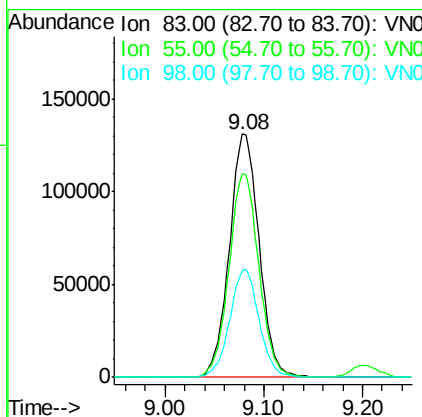
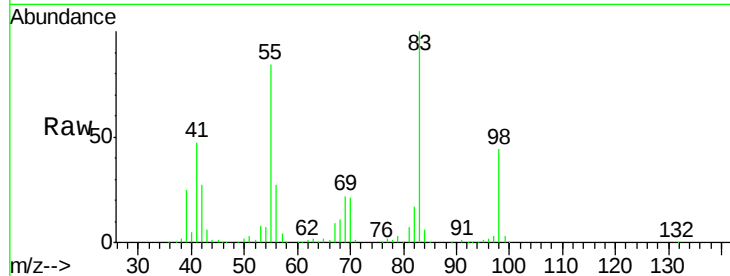
#39
Methvlcvclohexane
Concen: 19.191 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.5	67.0	100.4	
98	43.8	34.2	51.4	

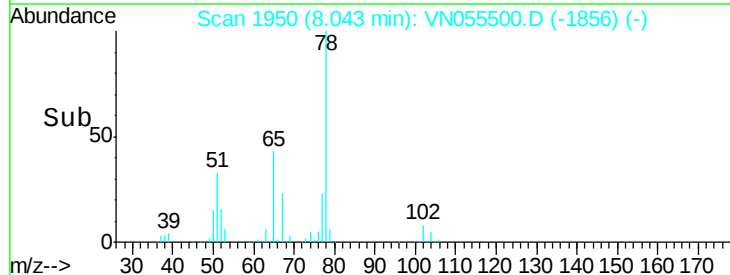
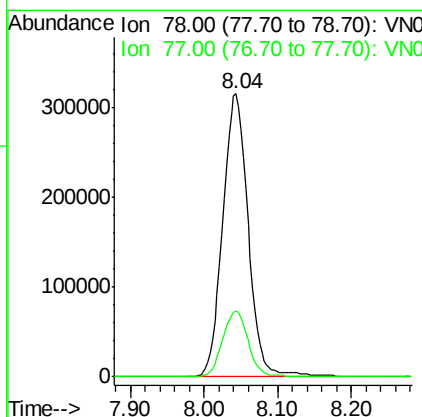
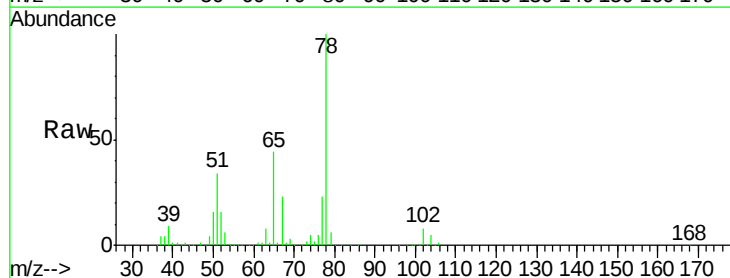
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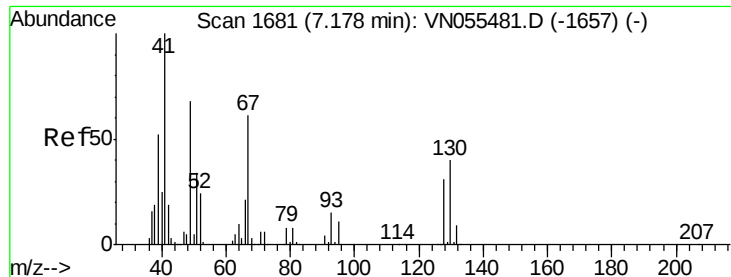
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#40
Benzene
Concen: 20.693 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.6	27.8	





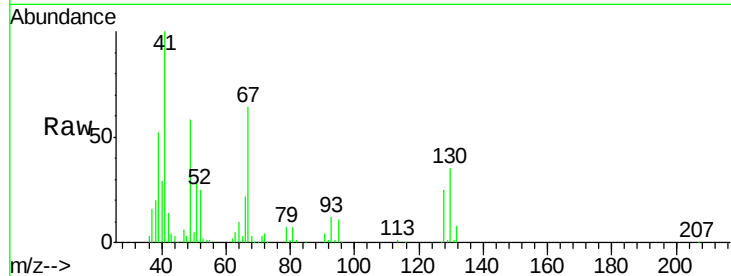
#41
Methacrylonitrile
Concen: 18.986 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS01

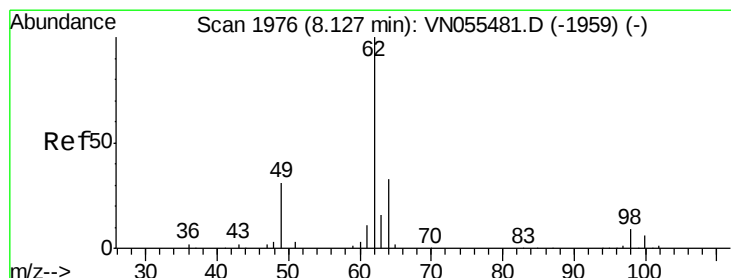
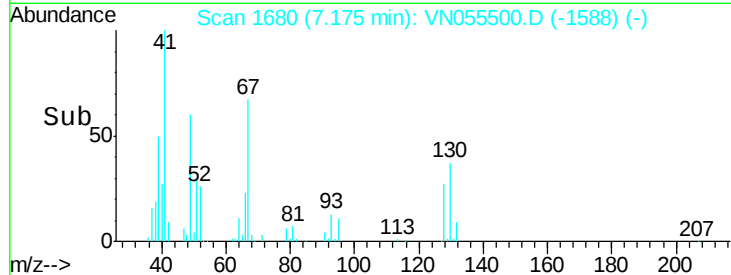
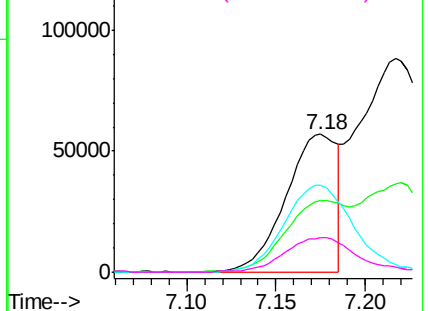
Tot Ion	Ratio	Lower	Upper
41	100		
39	61.5	44.7	67.1
67	86.8	61.4	92.0
52	34.3	25.0	37.4

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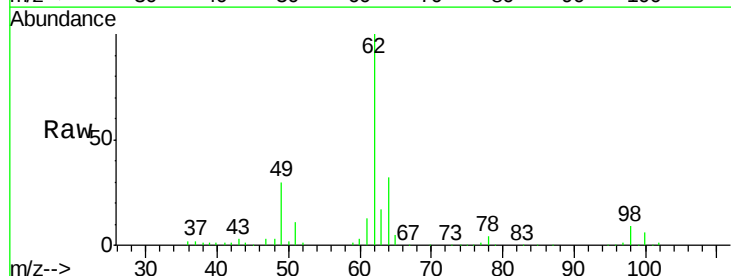


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

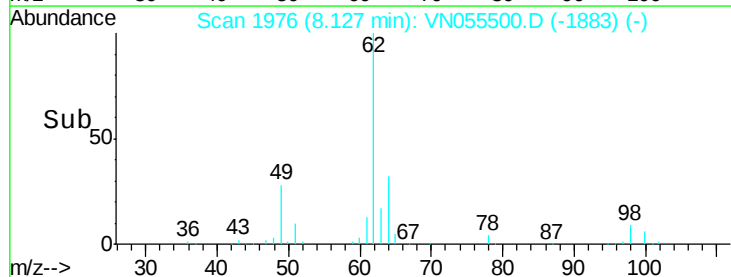
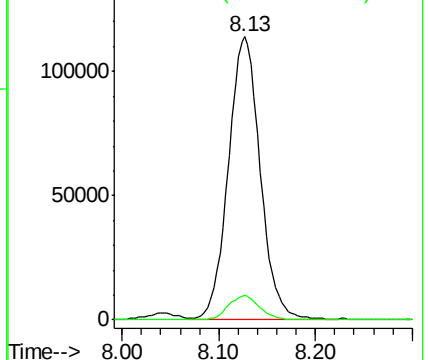


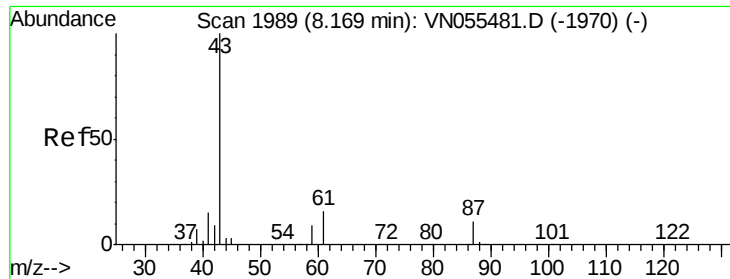
#42
1,2-Dichloroethane
Concen: 20.145 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.770 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

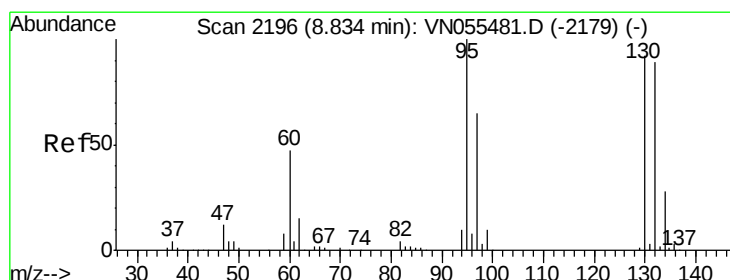
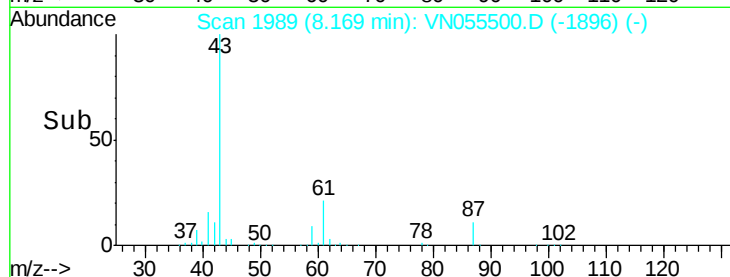
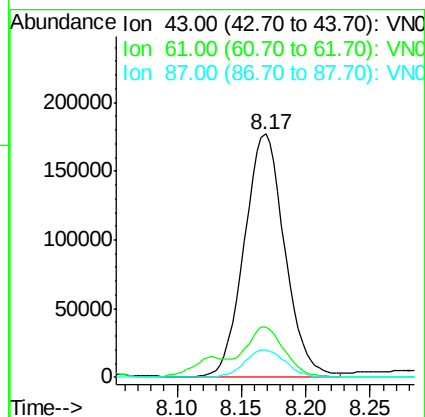
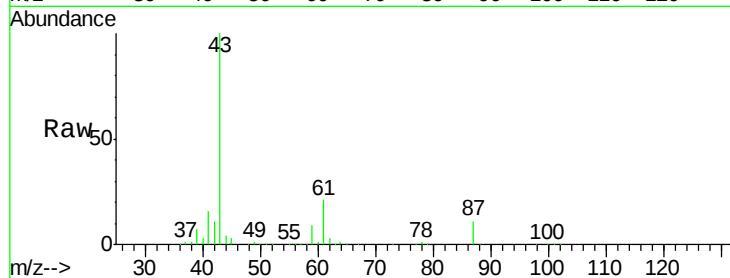
ClientSampleId :

VN0509WBS01

Tot Ion:	43	Resp:	386524
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.1	22.7
87	11.5	9.0	13.6

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#44

Trichloroethene

Concen: 20.618 ug/l

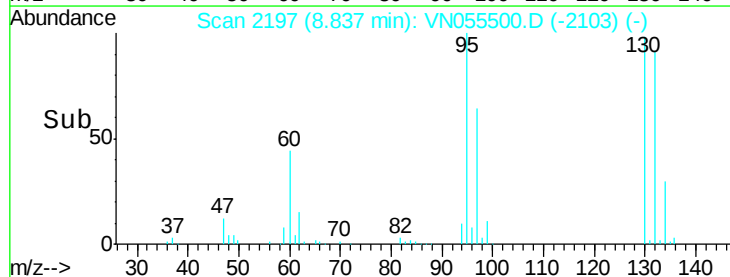
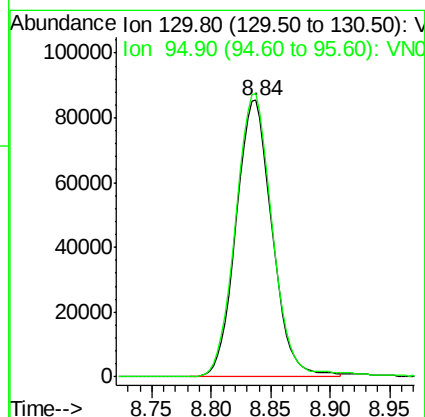
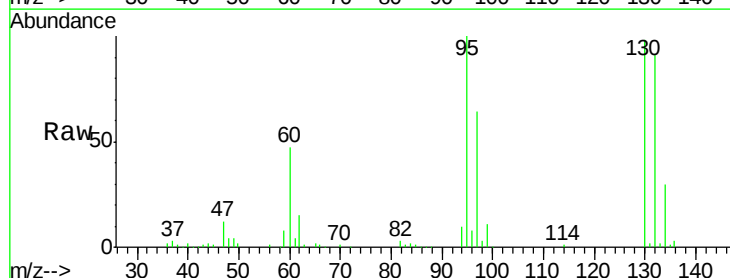
RT: 8.84 min Scan# 2197

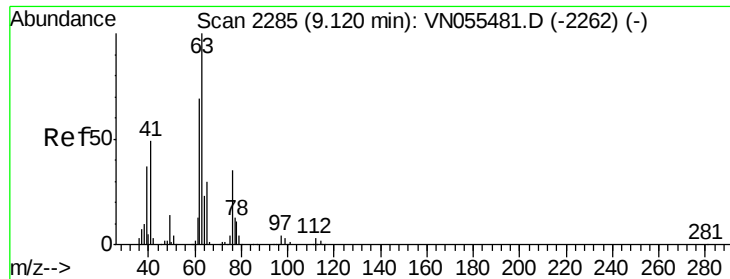
Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Tgt Ion:	130	Resp:	179627
Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	216.8





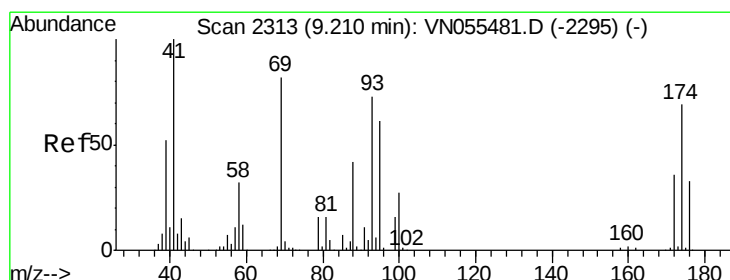
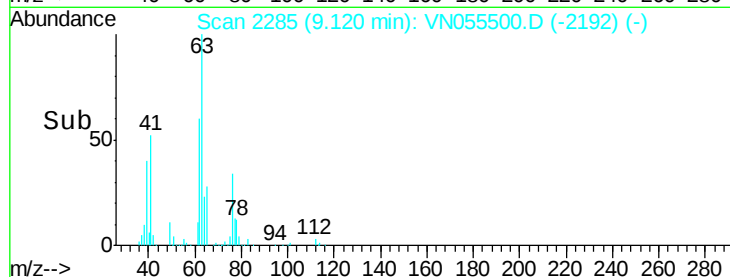
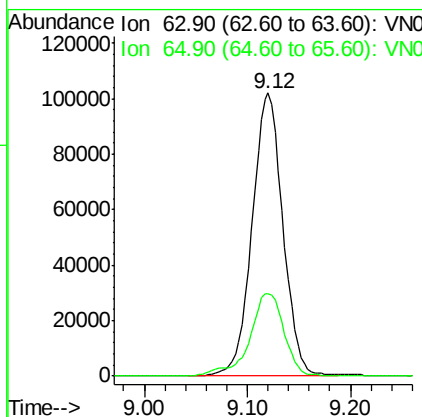
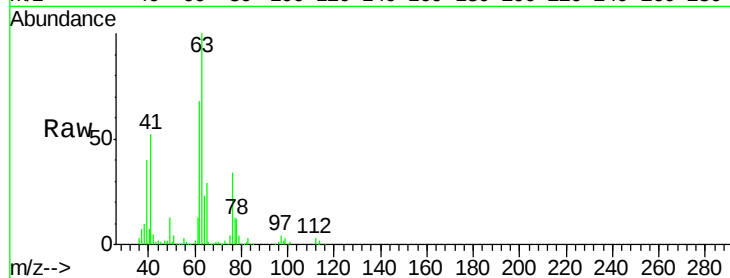
#45
 1,2-Dichloropropane
 Concen: 20.119 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS01

Tot Ion: 63 Resp: 210771
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.1 36.1

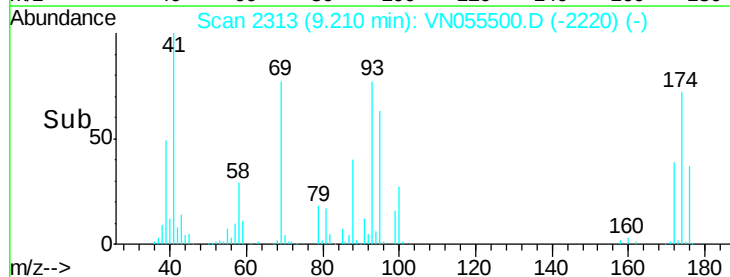
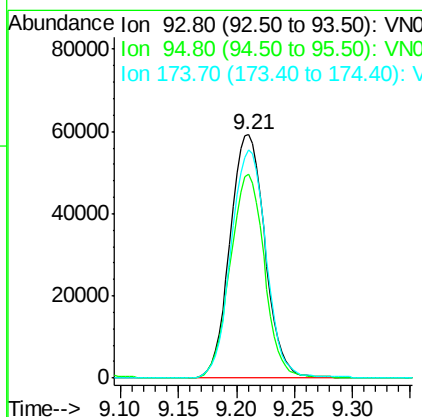
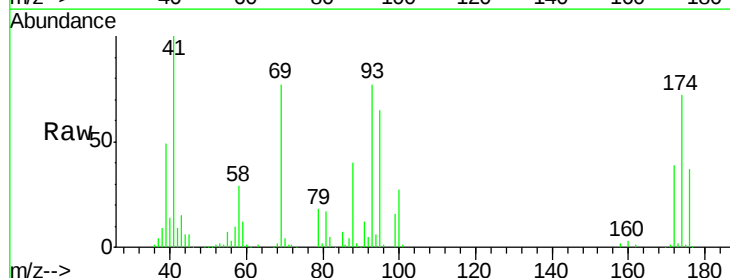
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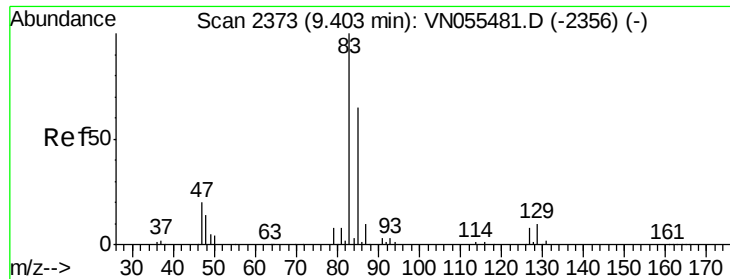
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 5/10/2019 12:43:45 PM



#46
 Dibromomethane
 Concen: 20.468 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Tgt Ion: 93 Resp: 124287
 Ion Ratio Lower Upper
 93 100
 95 81.8 64.8 97.2
 174 94.3 75.0 112.6





#47

Bromodichloromethane

Concen: 19.910 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

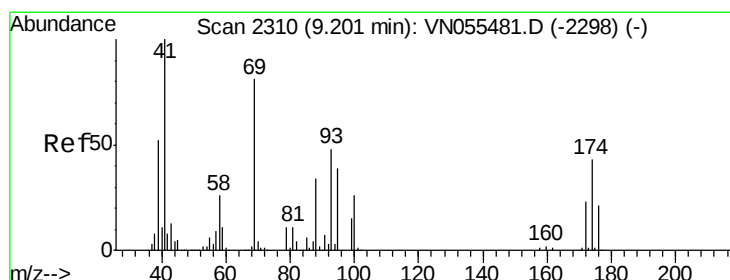
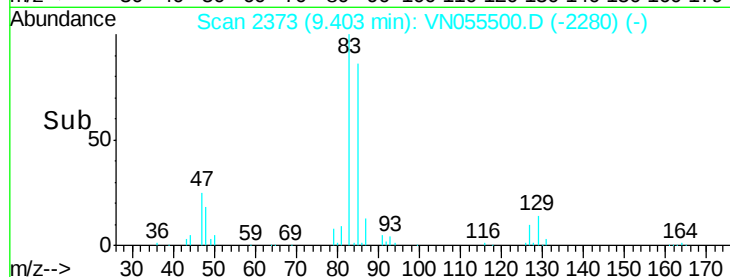
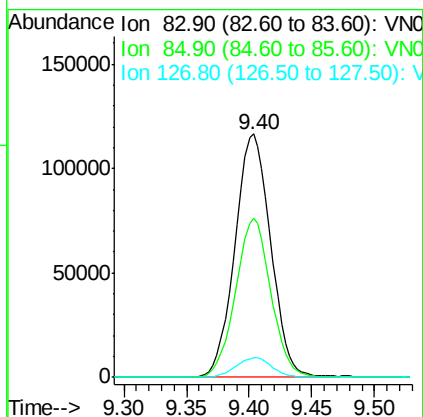
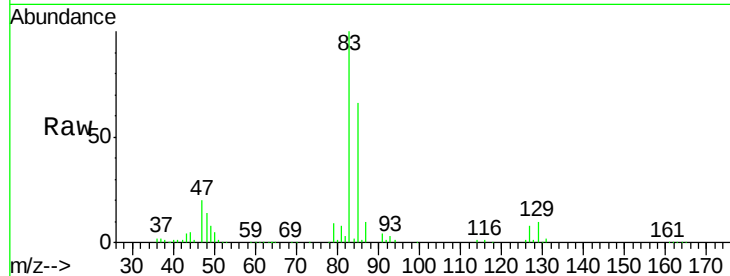
ClientSampleId :

VN0509WBS01

Tot Ion:	83	Resp:	231296
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.2
127	7.9	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.809 ug/l

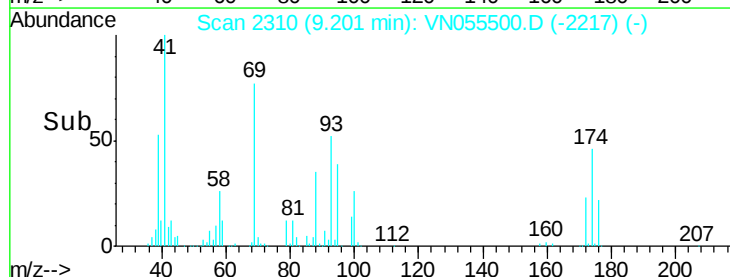
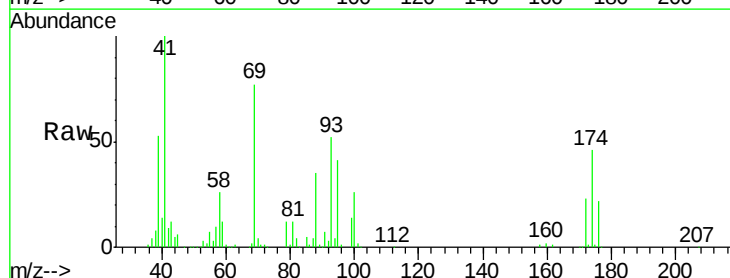
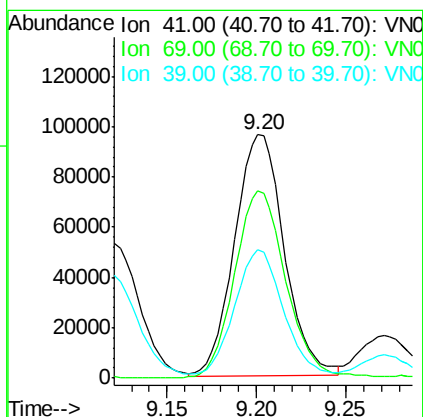
RT: 9.20 min Scan# 2310

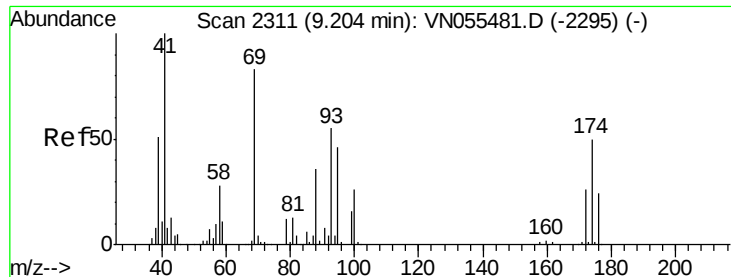
Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Tgt Ion:	41	Resp:	186603
Ion	Ratio	Lower	Upper
41	100		
69	80.3	64.2	96.2
39	52.2	41.6	62.4





#49

1,4-Dioxane

Concen: 403.520 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS01

Tot Ion: 88 Resp: 74085

Ion Ratio Lower Upper

88 100

43 34.0 27.8 41.8

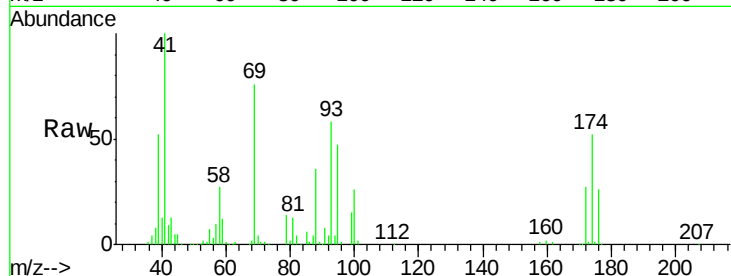
58 73.8 61.8 92.6

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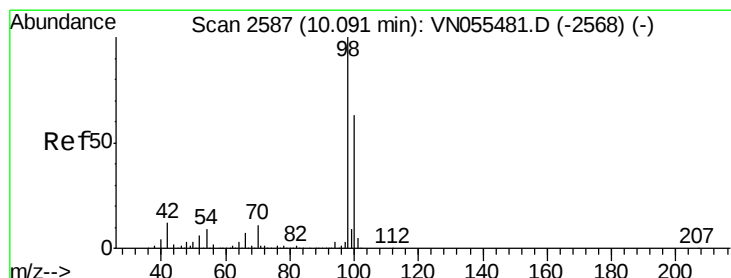
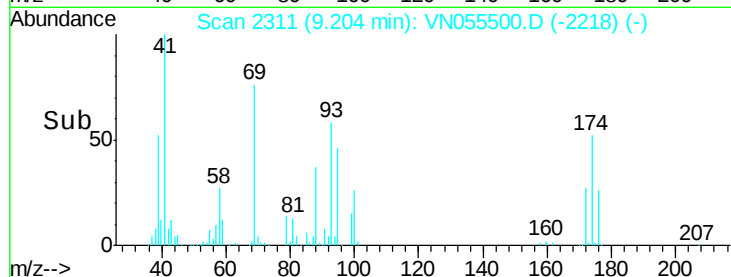
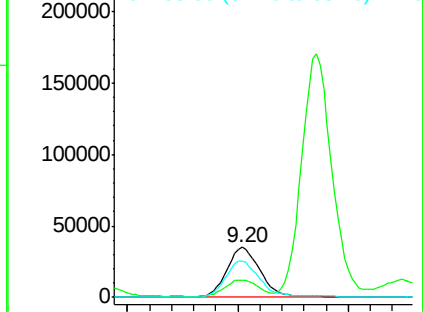
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Abundance Ion 88.00 (87.70 to 88.70): VN055500.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055500.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055500.D (-2218) (-)



#50

Toluene-d8

Concen: 50.757 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055500.D

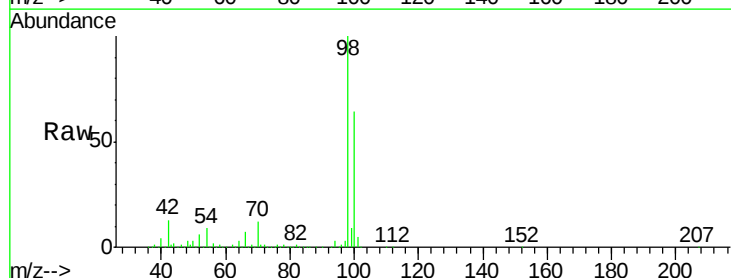
Acq: 9 May 2019 16:29

Tgt Ion: 98 Resp: 1527935

Ion Ratio Lower Upper

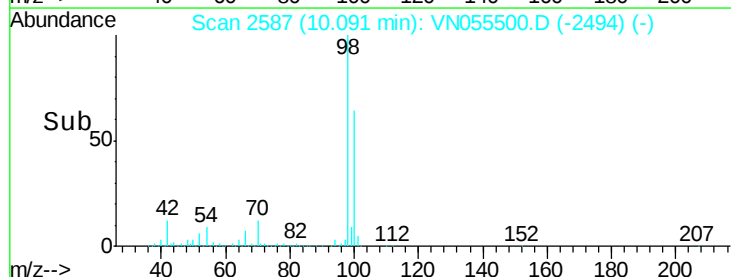
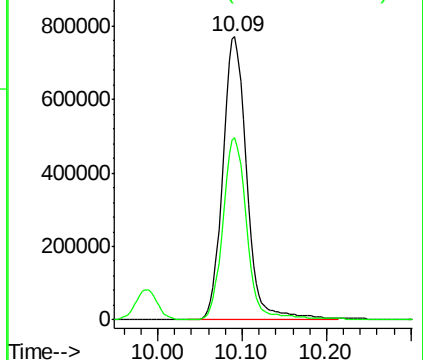
98 100

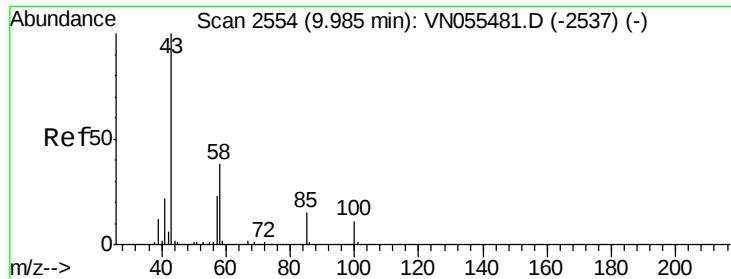
100 64.9 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN055500.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055500.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 97.169 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS01

Tot Ion: 43 Resp: 1249455

Ion Ratio Lower Upper

43 100

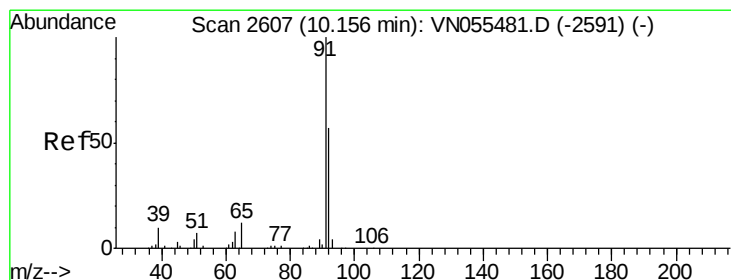
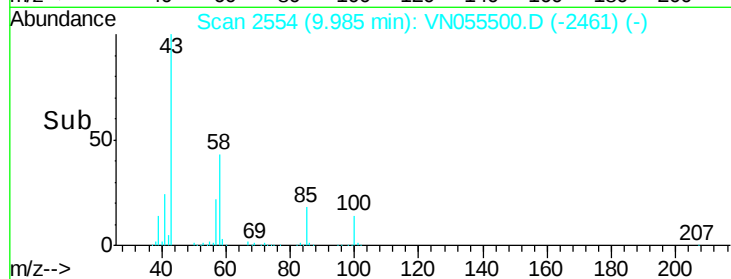
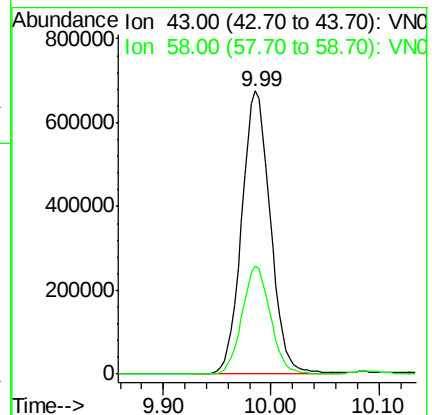
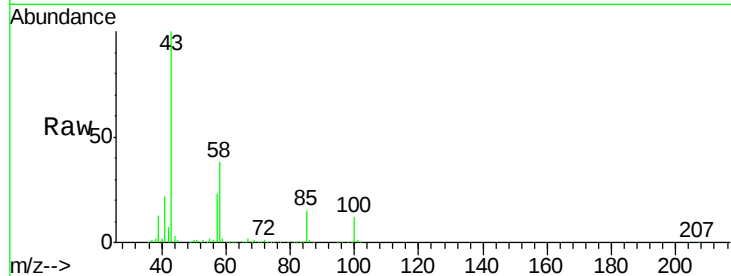
58 37.8 29.9 44.9

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#52

Toluene

Concen: 20.489 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055500.D

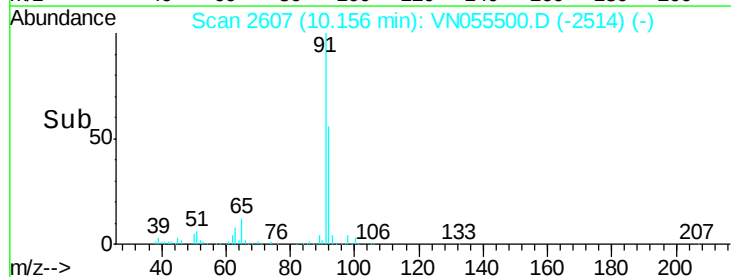
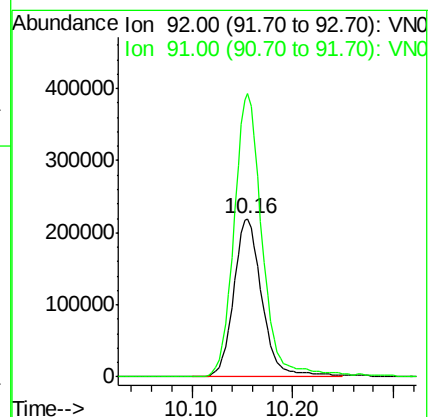
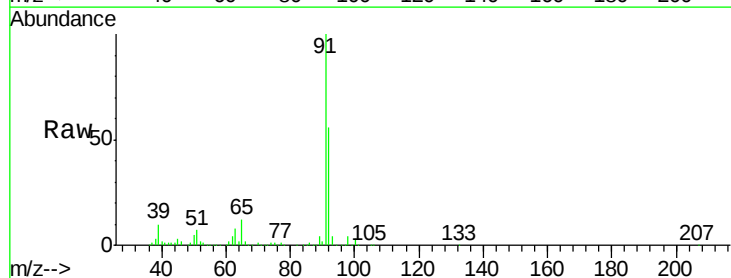
Acq: 9 May 2019 16:29

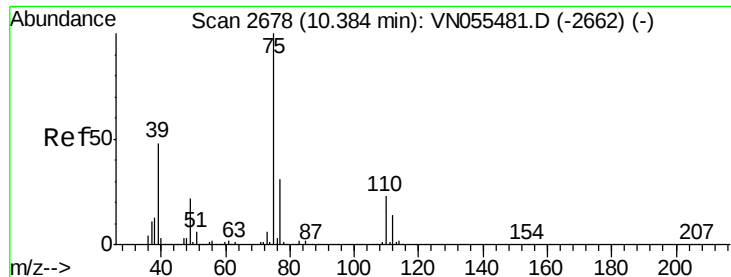
Tgt Ion: 92 Resp: 428880

Ion Ratio Lower Upper

92 100

91 177.4 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 19.650 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS01

Tot Ion: 75 Resp: 219245

Ion Ratio Lower Upper

75 100

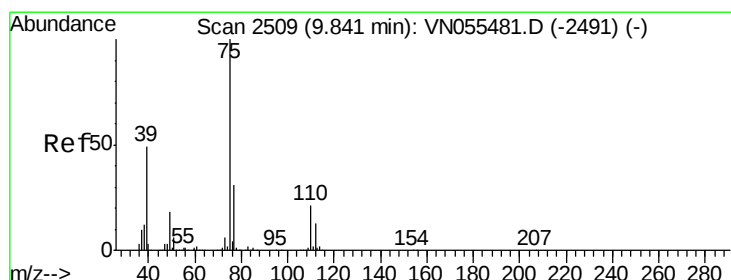
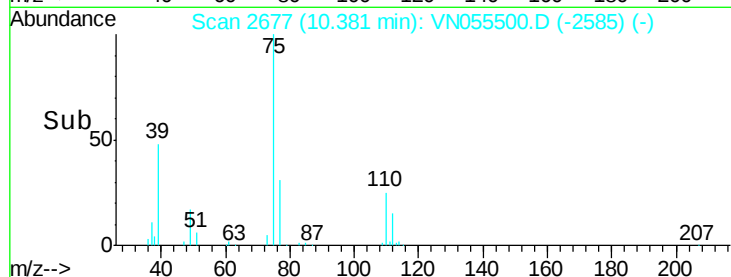
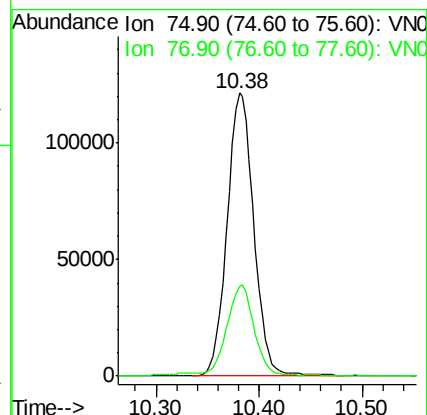
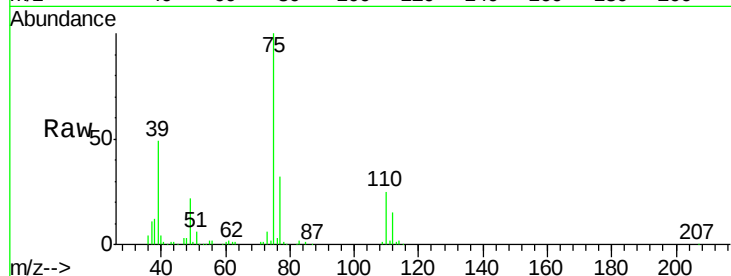
77 31.5 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.636 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

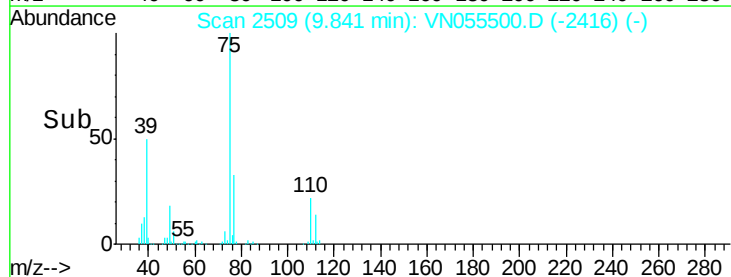
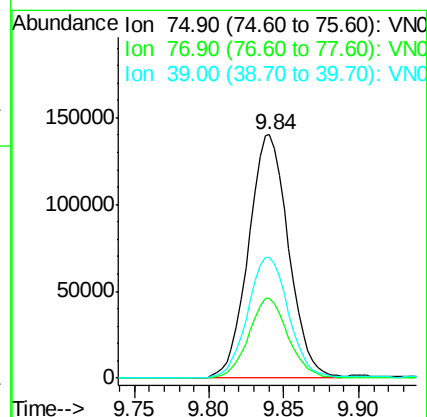
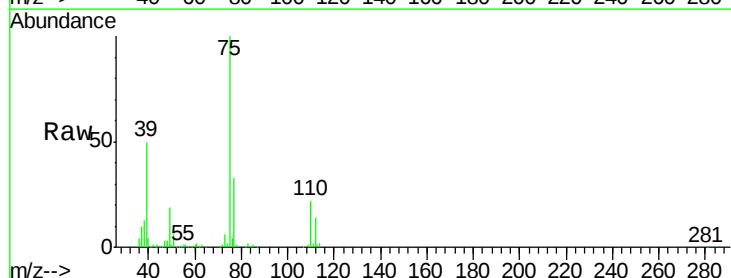
Tgt Ion: 75 Resp: 261787

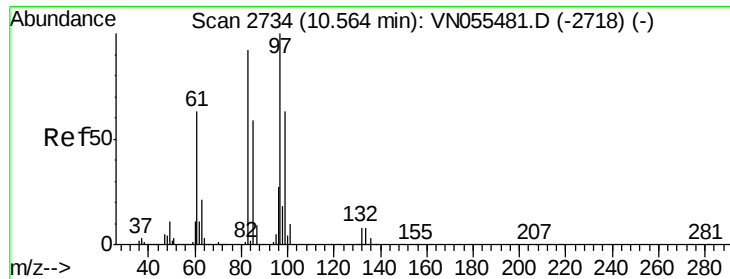
Ion Ratio Lower Upper

75 100

77 32.8 24.4 36.6

39 49.6 39.5 59.3





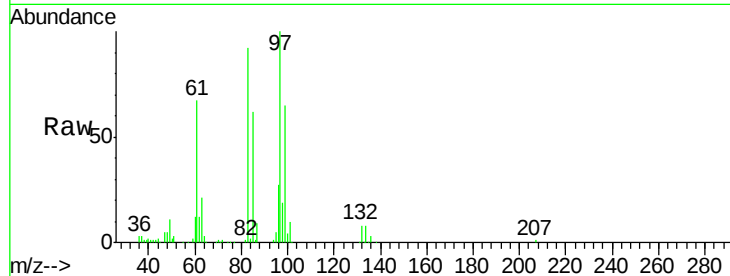
#55
 1,1,2-Trichloroethane
 Concen: 19.988 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS01

Tot Ion:	97	Resp:	169516
Ion	Ratio	Lower	Upper
97	100		
83	91.6	73.2	109.8
85	62.1	47.5	71.3
99	65.2	50.2	75.2

Manual Integrations
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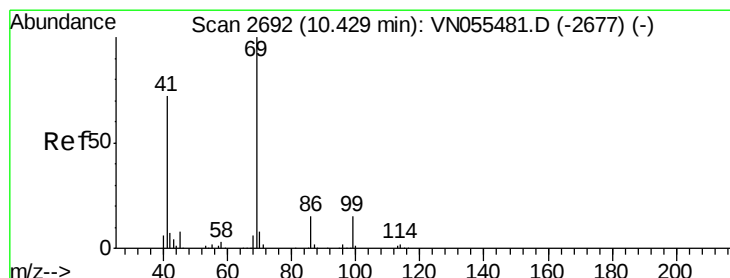
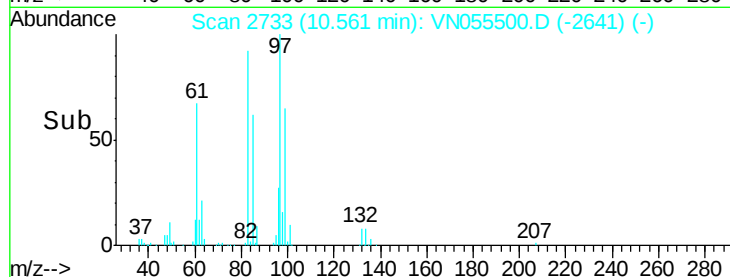
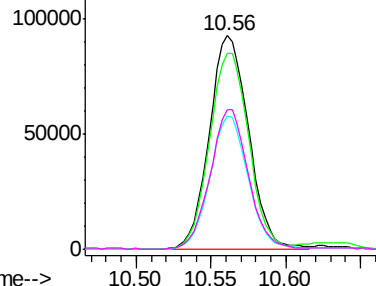


Abundance Ion 96.90 (96.60 to 97.60): VN055500.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN055500.D (-2641) (-)

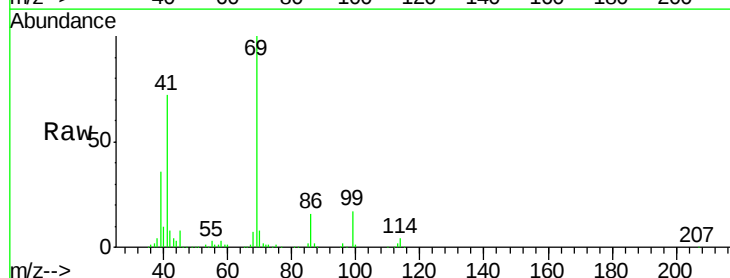
Ion 84.90 (84.60 to 85.60): VN055500.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN055500.D (-2641) (-)



#56
 Ethyl methacrylate
 Concen: 19.327 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

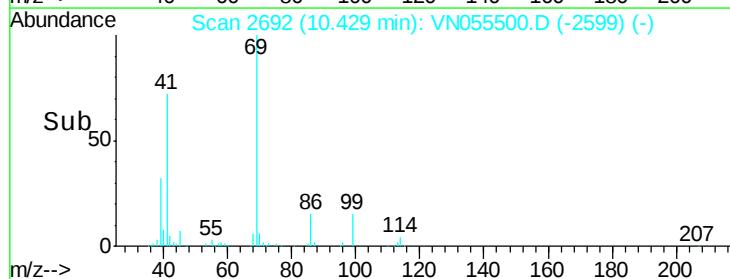
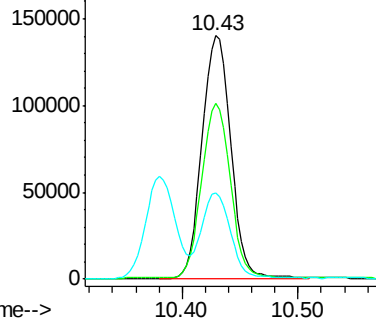
Tgt Ion:	69	Resp:	243813
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.2	84.2
39	34.9	27.8	41.6

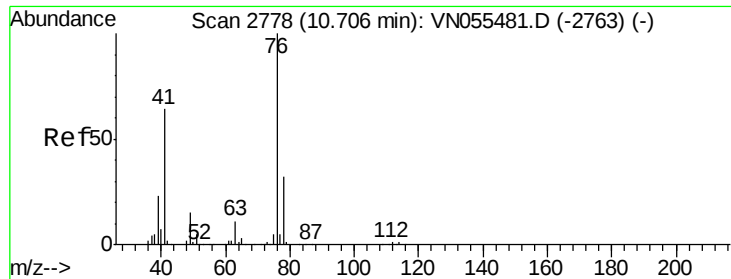


Abundance Ion 69.00 (68.70 to 69.70): VN055500.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN055500.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN055500.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 20.232 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS01

Tot Ion: 76 Resp: 304621

Ion Ratio Lower Upper

76 100

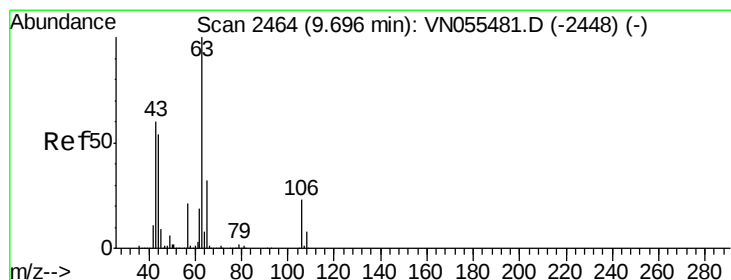
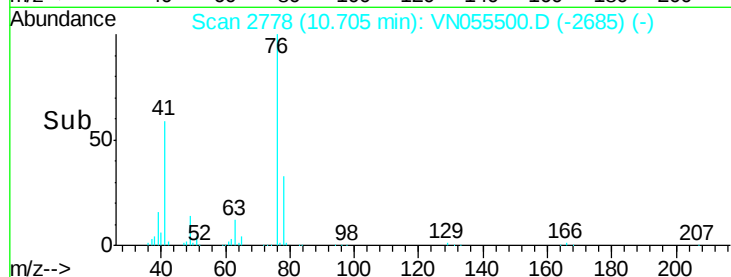
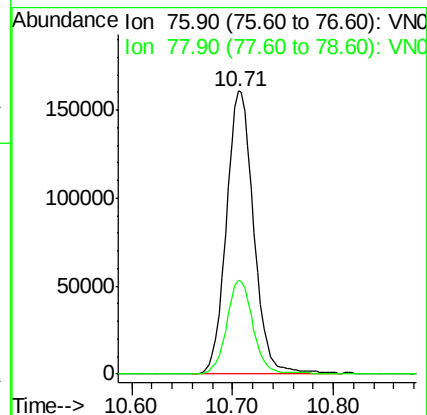
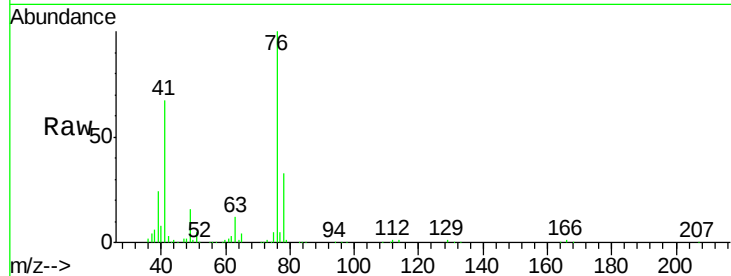
78 31.7 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 81.268 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055500.D

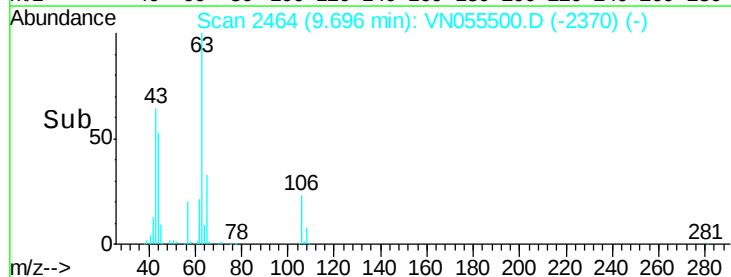
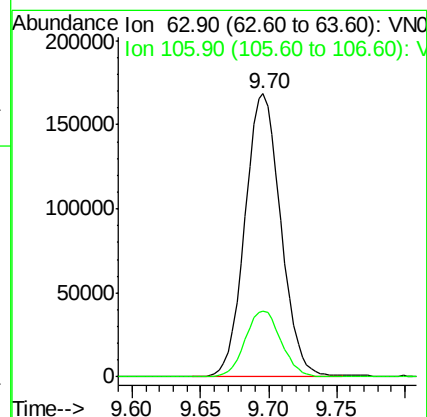
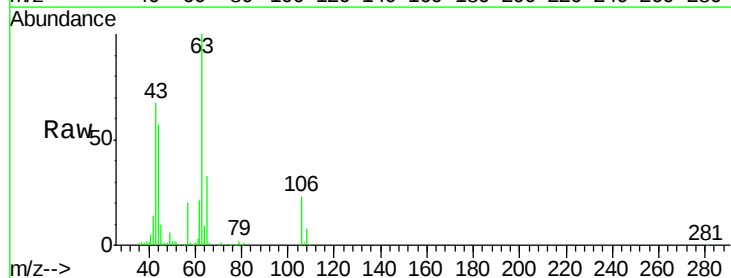
Acq: 9 May 2019 16:29

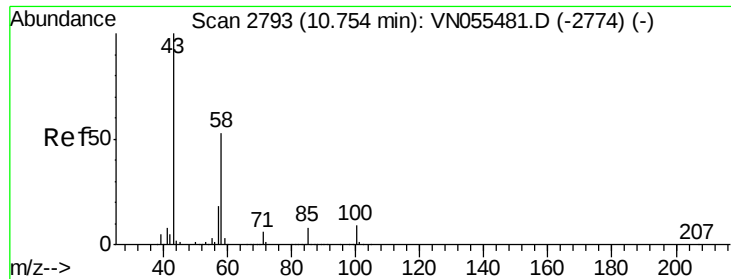
Tgt Ion: 63 Resp: 307363

Ion Ratio Lower Upper

63 100

106 23.5 18.6 27.8





#59

2-Hexanone

Concen: 95.658 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS01

Tot Ion: 43 Resp: 862615

Ion Ratio Lower Upper

43 100

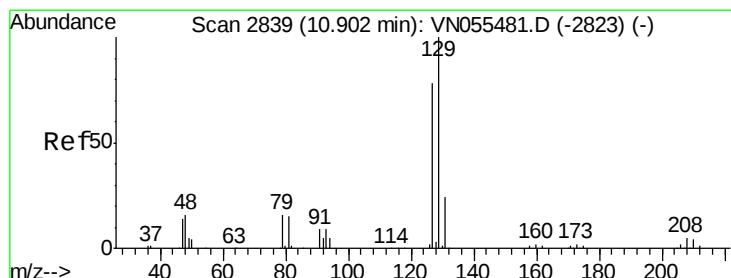
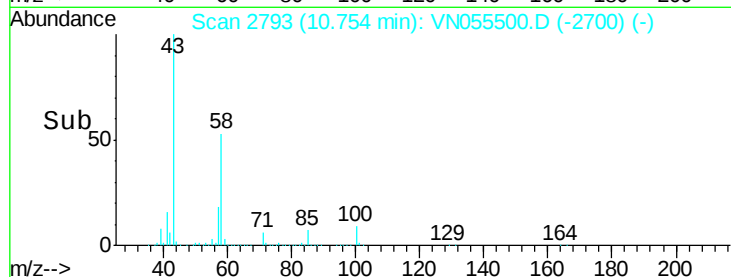
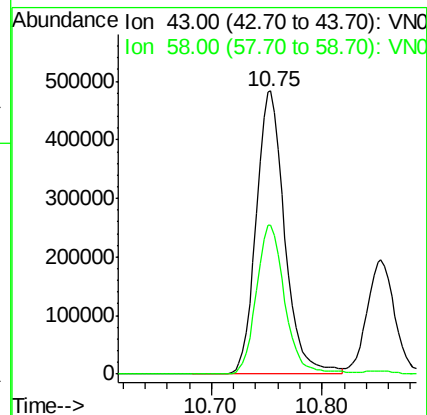
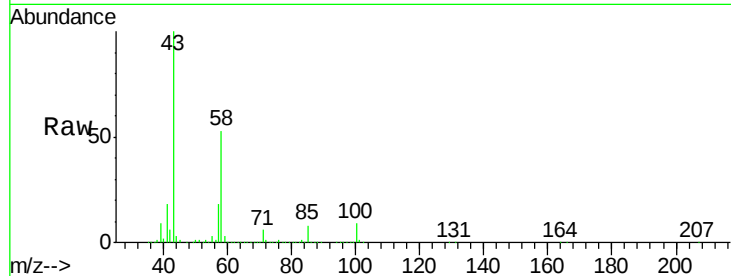
58 52.8 26.4 79.0

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#60

Dibromochloromethane

Concen: 19.927 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055500.D

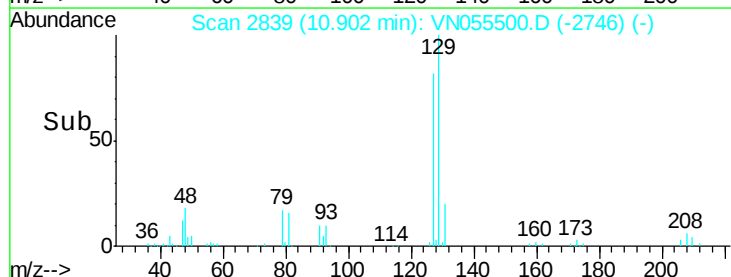
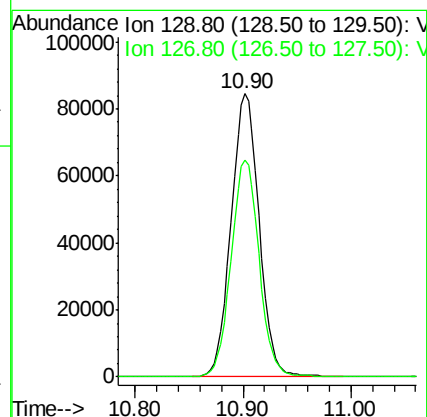
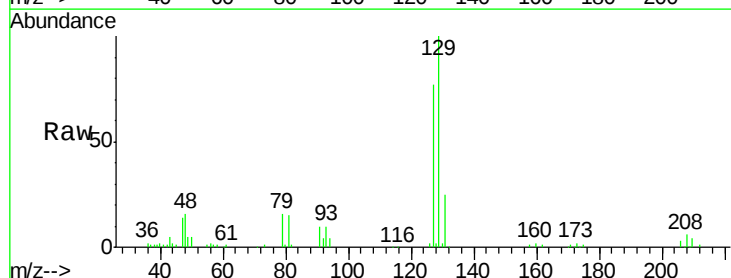
Acq: 9 May 2019 16:29

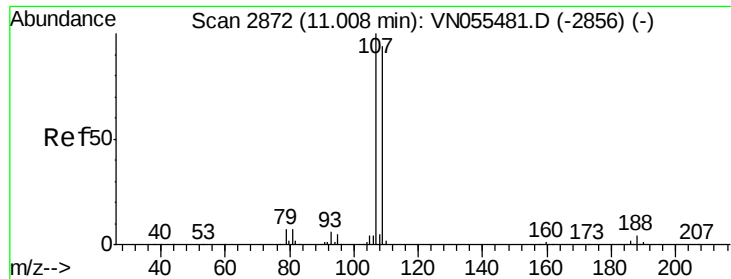
Tgt Ion: 129 Resp: 153655

Ion Ratio Lower Upper

129 100

127 76.2 38.6 116.0





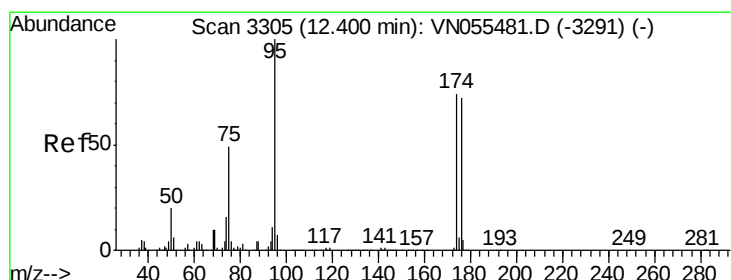
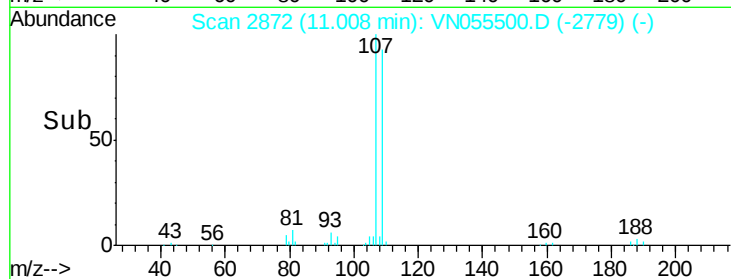
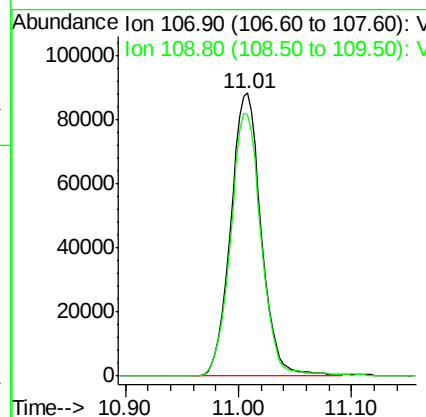
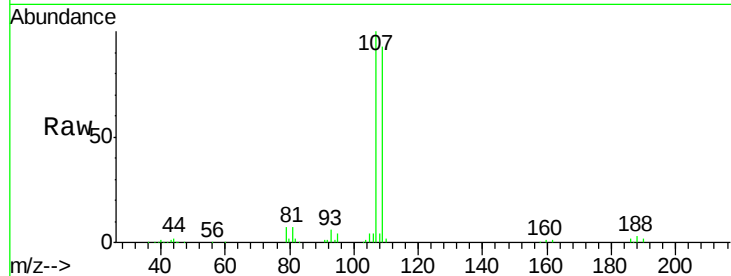
#61
 1,2-Dibromoethane
 Concen: 20.333 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0509WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.2	111.4

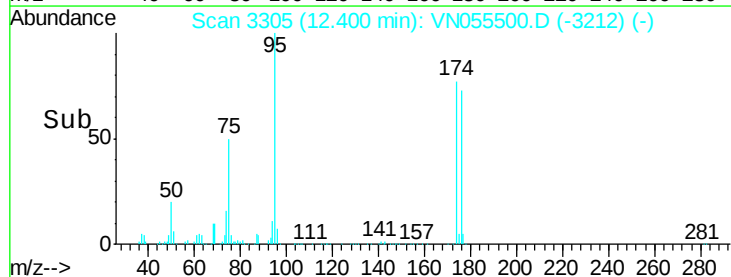
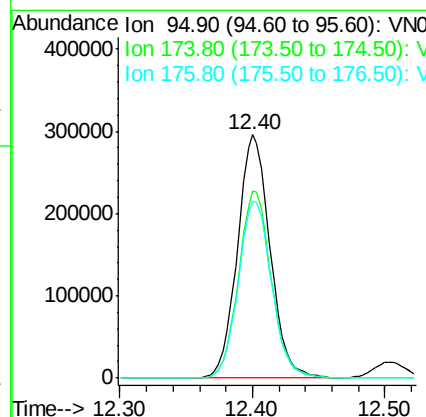
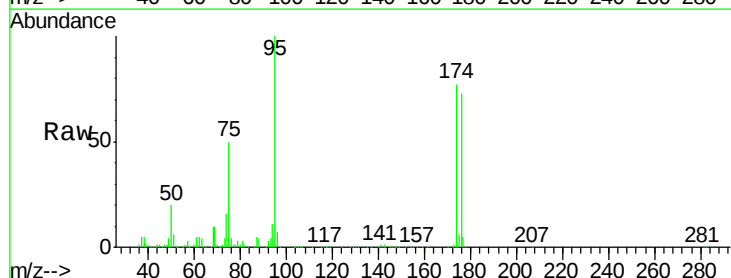
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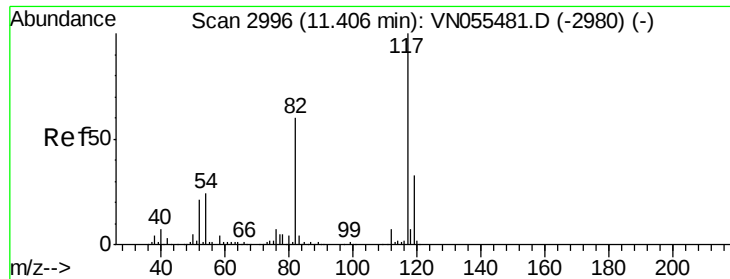
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#62
 4-Bromofluorobenzene
 Concen: 49.607 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	152.2
176	74.6	0.0	147.8





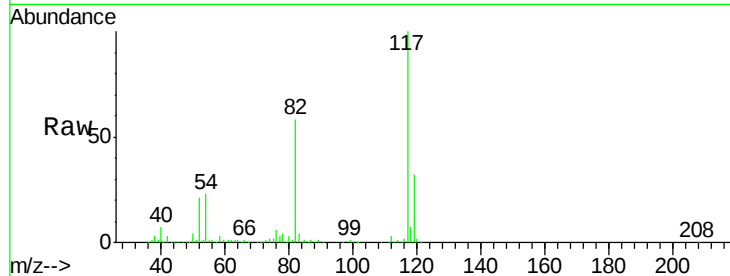
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

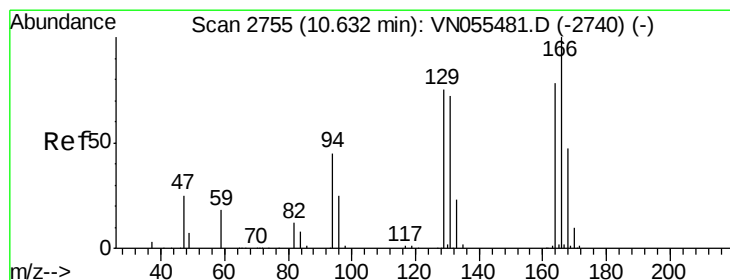
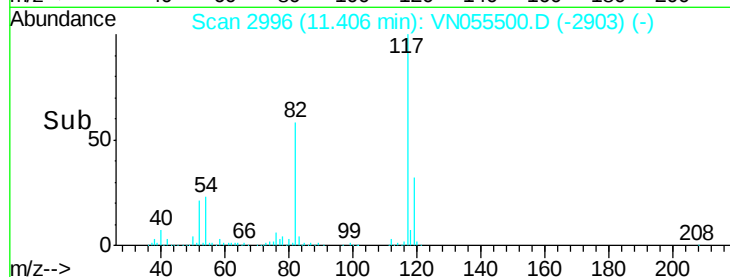
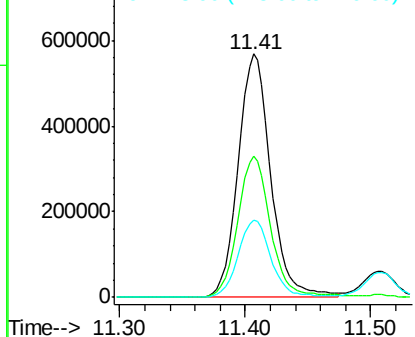
Tot Ion:117 Resp: 1028513
Ion Ratio Lower Upper
117 100
82 57.9 48.0 72.0
119 31.8 26.0 39.0

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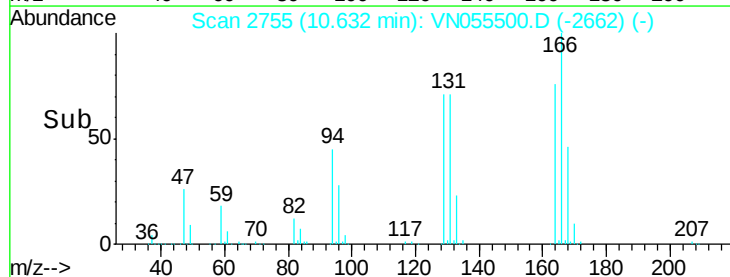
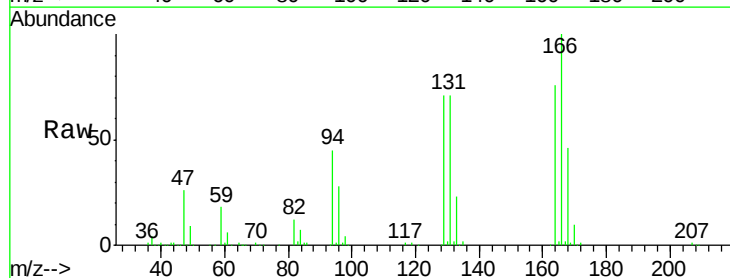
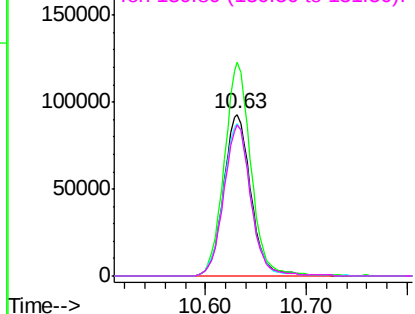
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

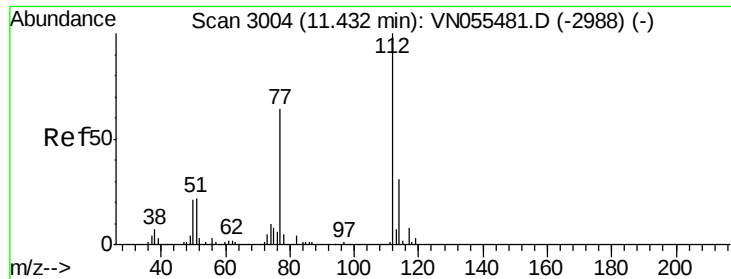


#64
Tetrachloroethene
Concen: 20.830 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion:164 Resp: 175547
Ion Ratio Lower Upper
164 100
166 132.2 102.6 153.8
129 94.5 77.0 115.6
131 93.4 73.7 110.5

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





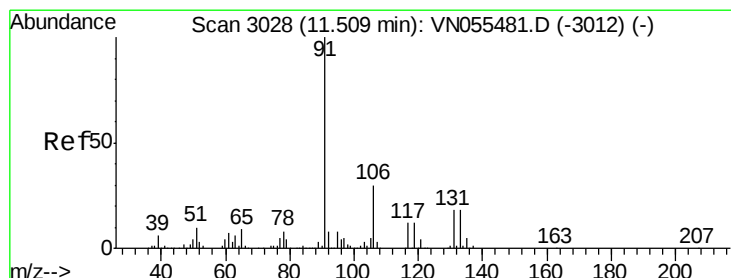
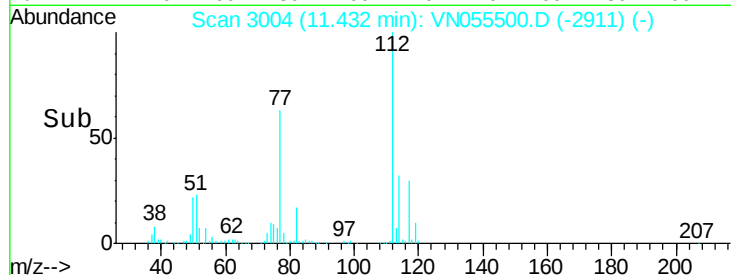
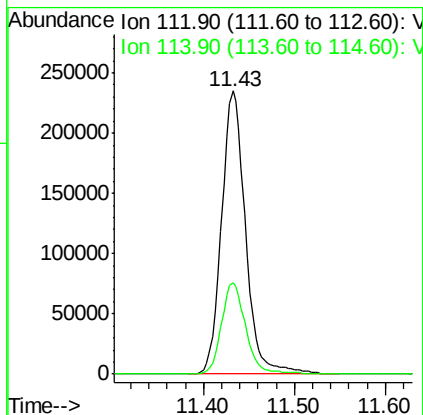
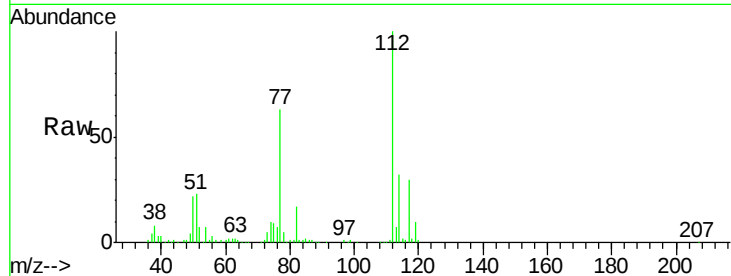
#65
Chlorobenzene
Concen: 20.334 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS01

Tot Ion:112 Resp: 430267
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4

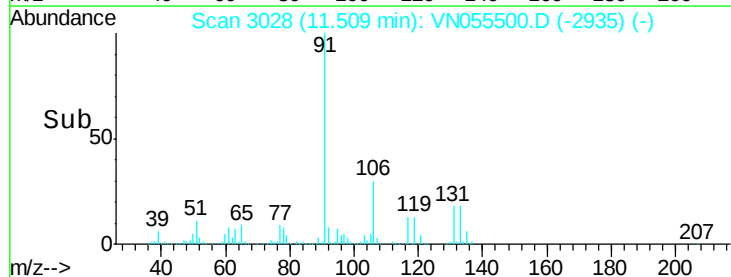
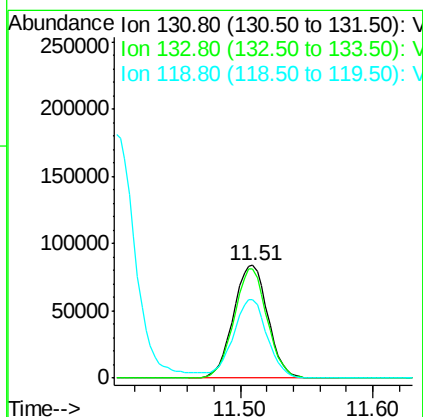
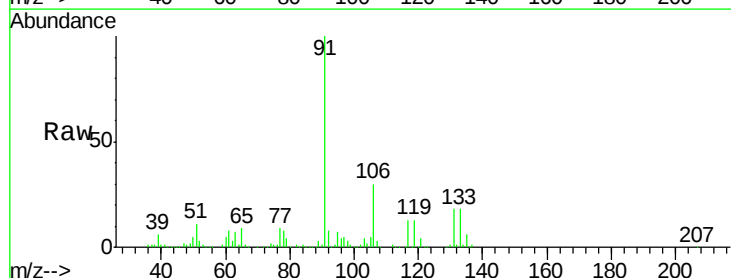
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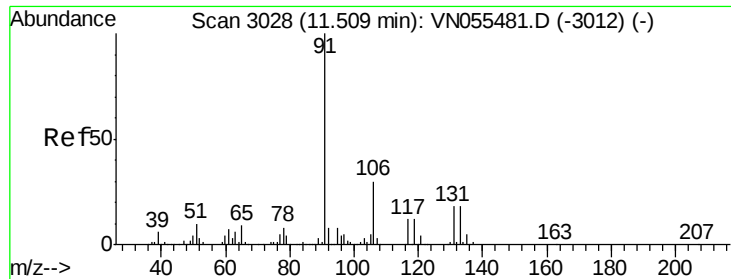
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.808 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion:131 Resp: 151581
Ion Ratio Lower Upper
131 100
133 93.1 47.4 142.2
119 69.3 34.1 102.2





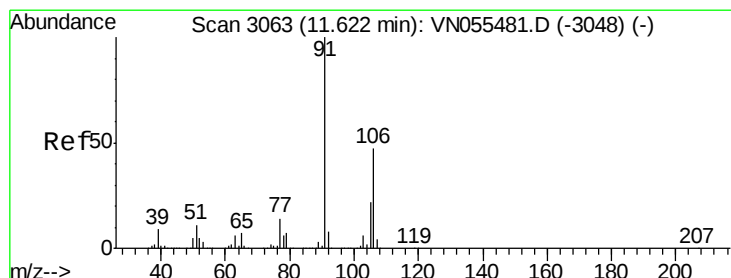
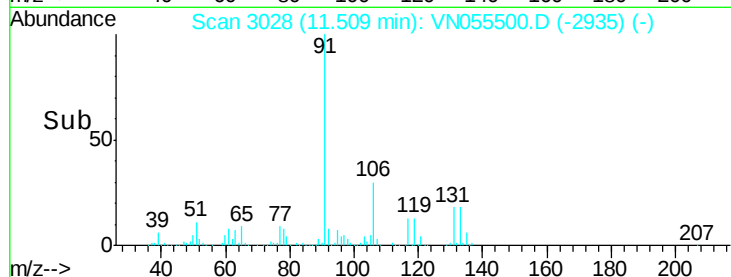
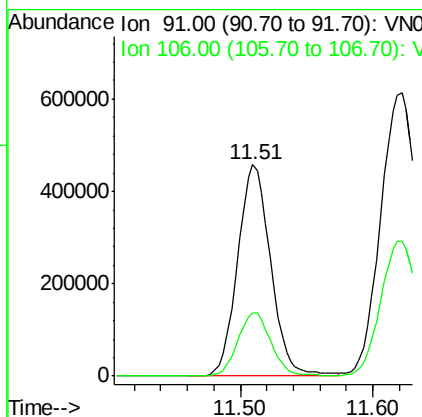
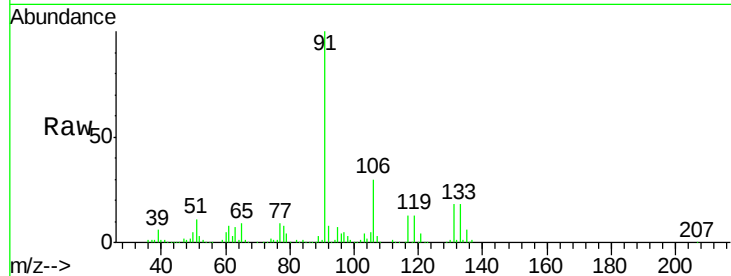
#67
Ethyl Benzene
Concen: 20.005 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion: 91 Resp: 795040
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6

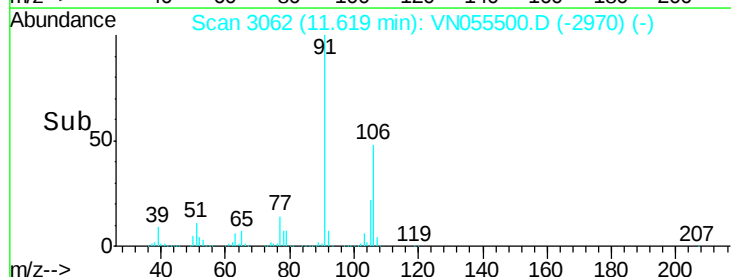
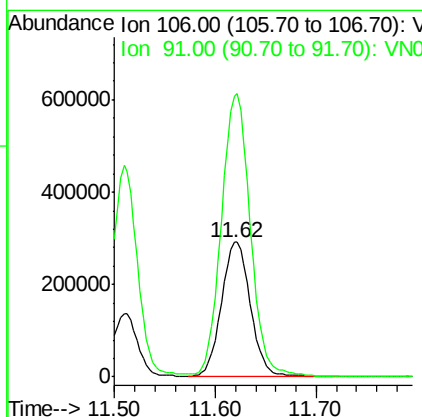
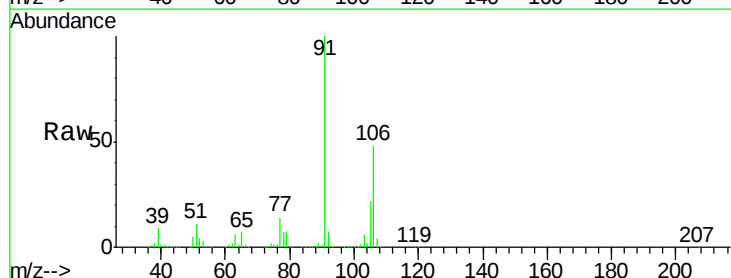
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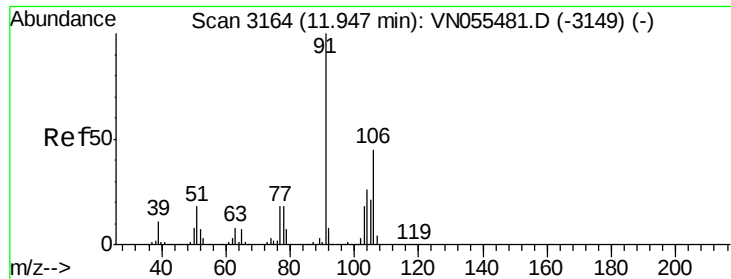
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#68
m/p-Xylenes
Concen: 41.268 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion: 106 Resp: 588571
Ion Ratio Lower Upper
106 100
91 209.9 169.2 253.8





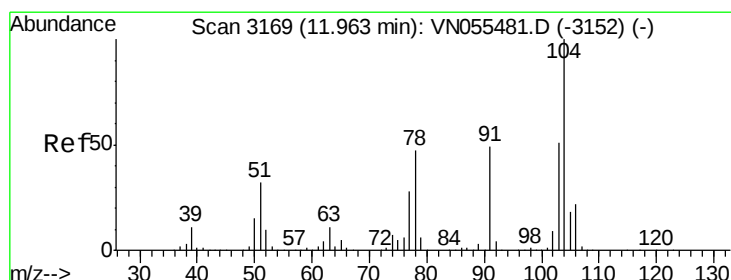
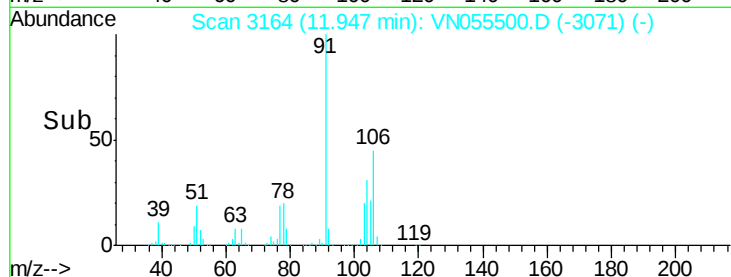
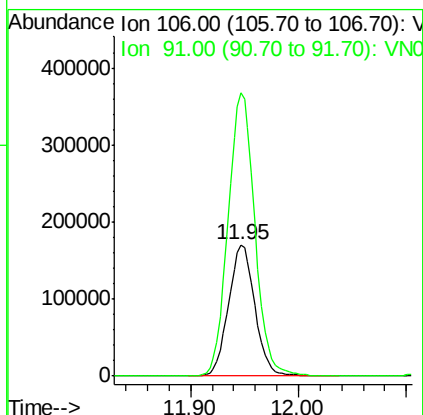
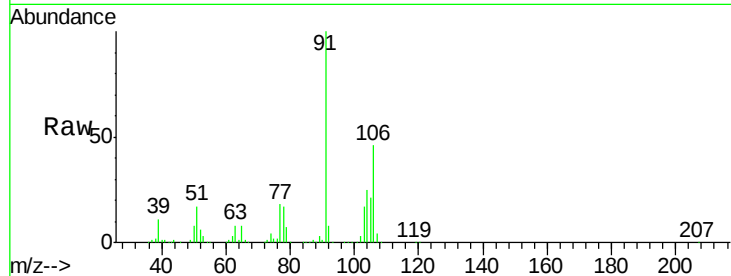
#69
o-Xylene
Concen: 20.740 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
290731	106	100			
	91	219.0	111.3	333.8	

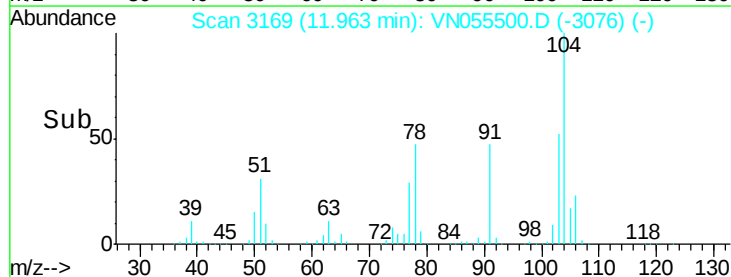
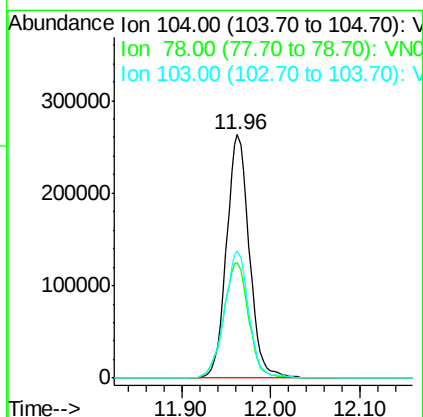
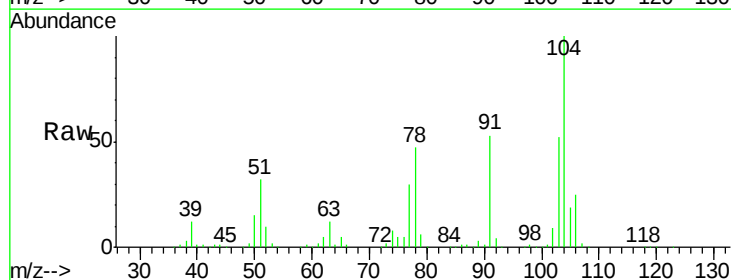
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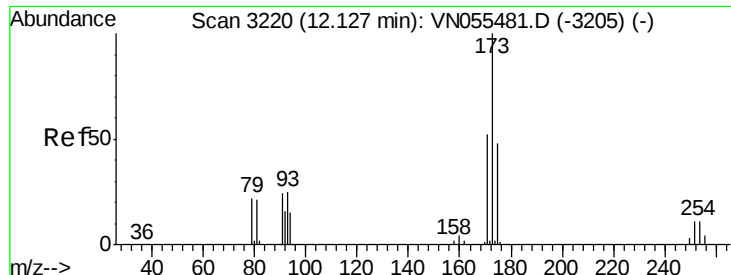
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#70
Styrene
Concen: 20.746 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
465918	104	100			
	78	52.3	41.6	62.4	
	103	55.8	44.4	66.6	





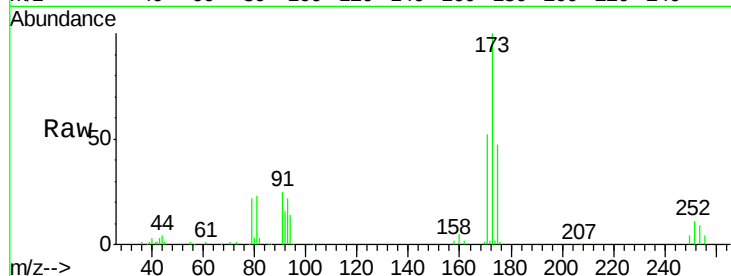
#71
Bromoform
Concen: 19.785 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

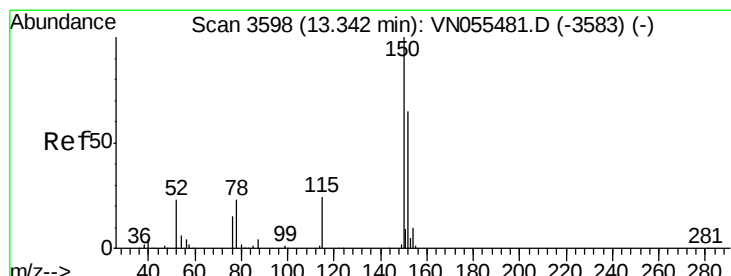
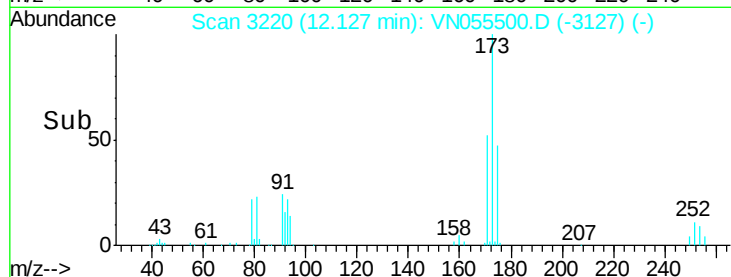
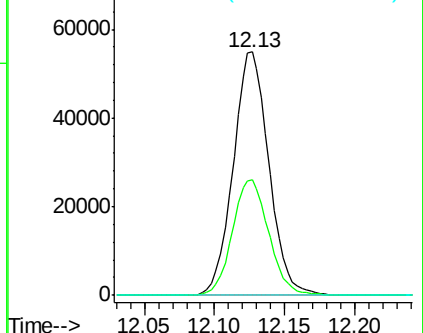
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.4
254	0.0	0.1	0.1#

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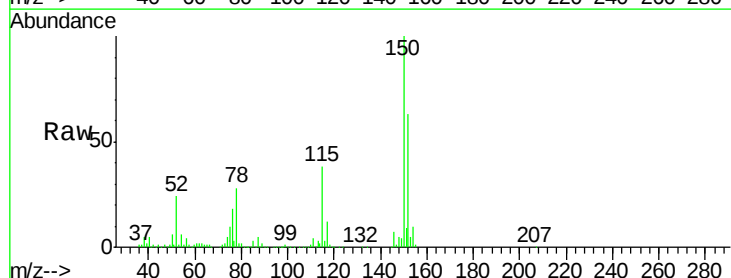


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

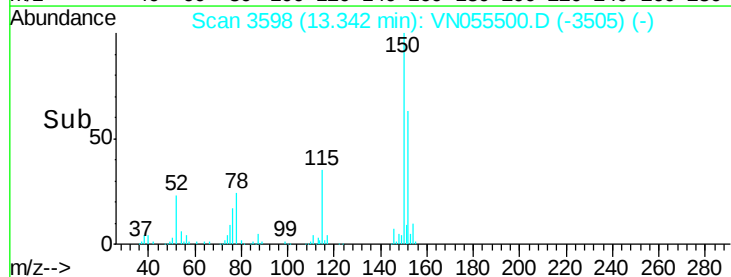
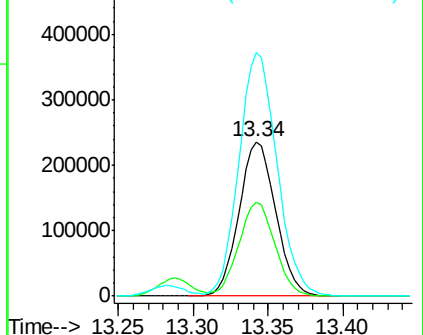


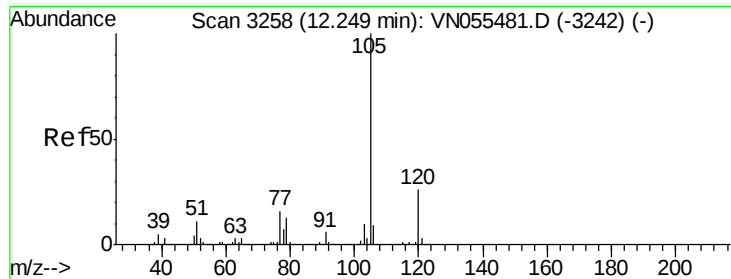
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.5
150	163.9	0.0	355.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





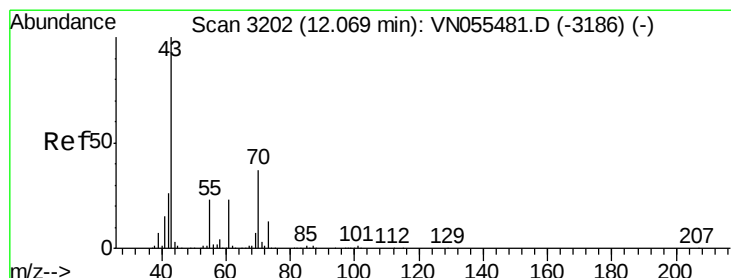
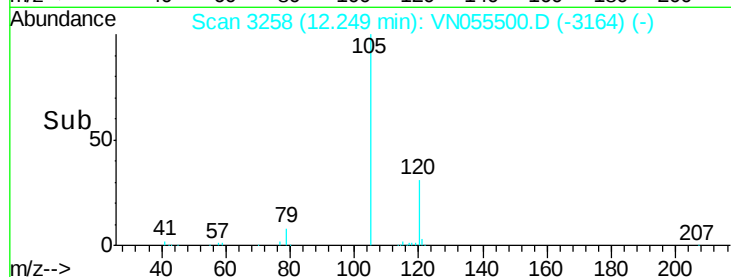
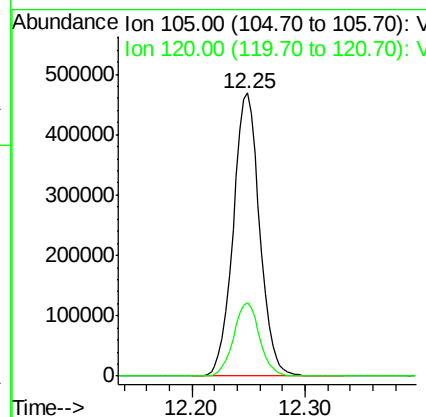
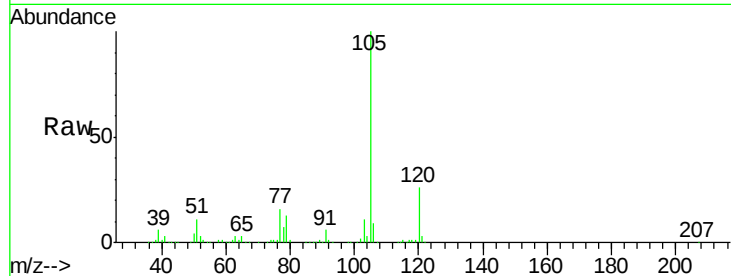
#73
Isopropylbenzene
Concen: 21.524 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampled :
VN0509WBS01

Tot Ion:105 Resp: 762074
Ion Ratio Lower Upper
105 100
120 25.7 13.0 39.0

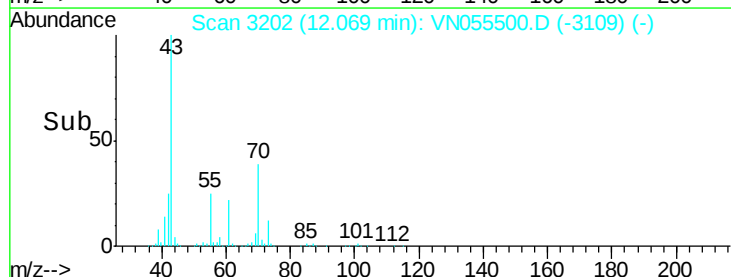
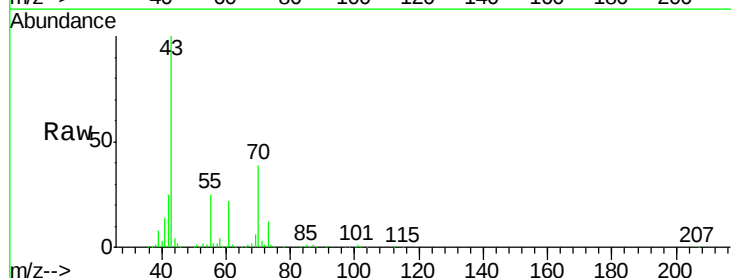
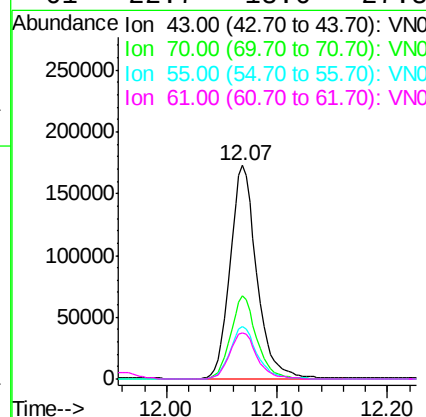
Manual Integrations
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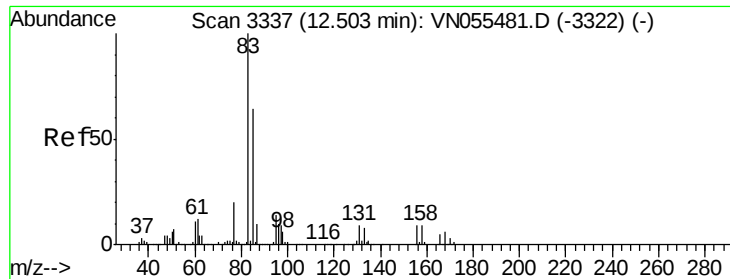
MMDadoda
5/10/2019 12:43:45 PM



#74
N-ethyl acetate
Concen: 18.799 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion: 43 Resp: 287420
Ion Ratio Lower Upper
43 100
70 38.4 30.7 46.1
55 25.1 19.3 28.9
61 22.7 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.813 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

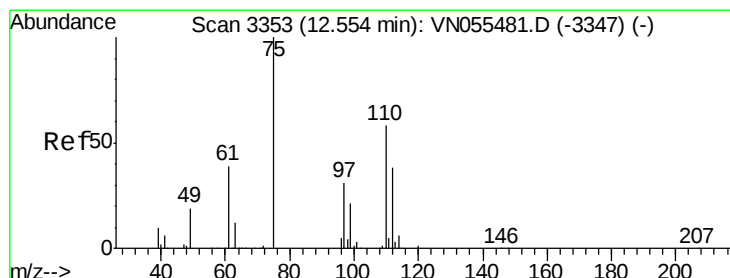
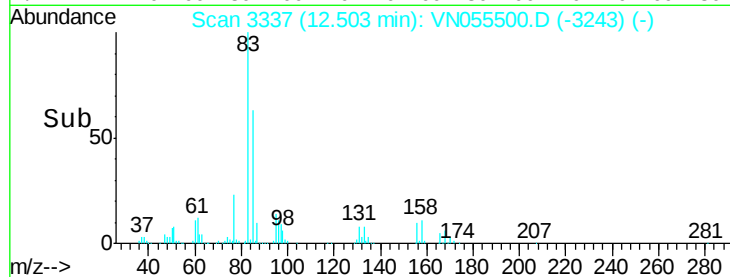
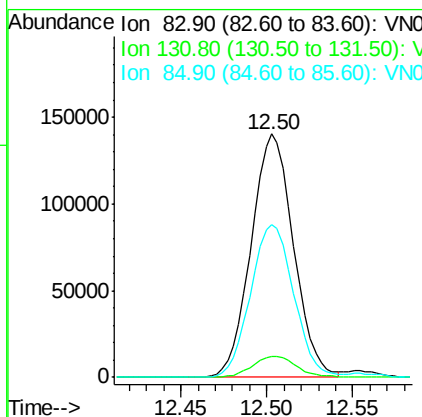
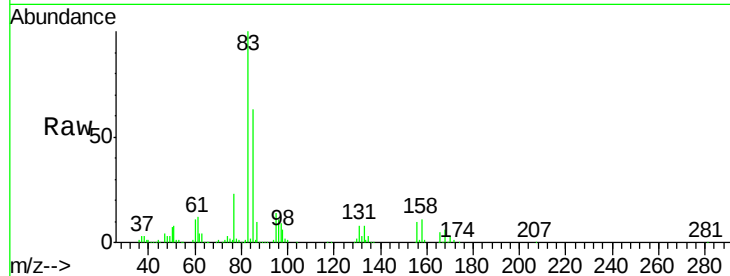
ClientSampleId :

VN0509WBS01

Tot Ion:	83	Resp:	240114
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.5
85	64.0	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 18.205 ug/l m

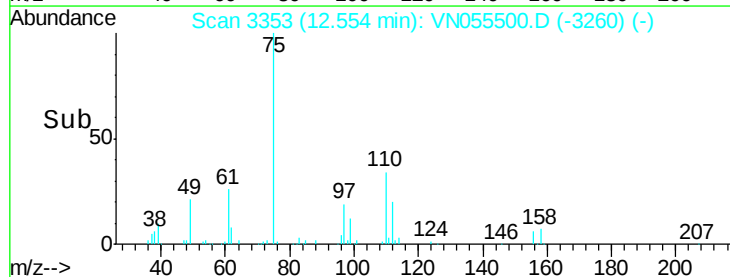
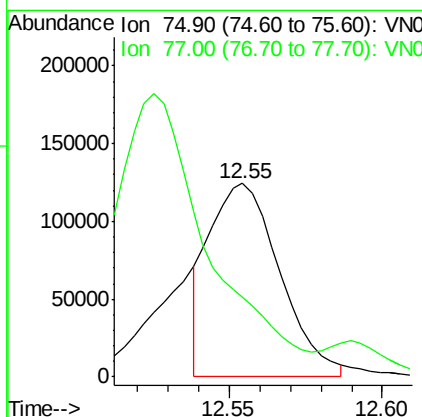
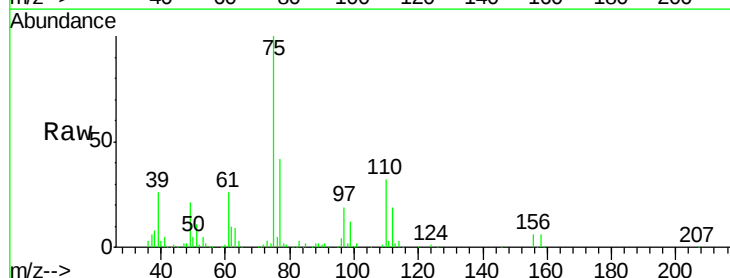
RT: 12.55 min Scan# 3353

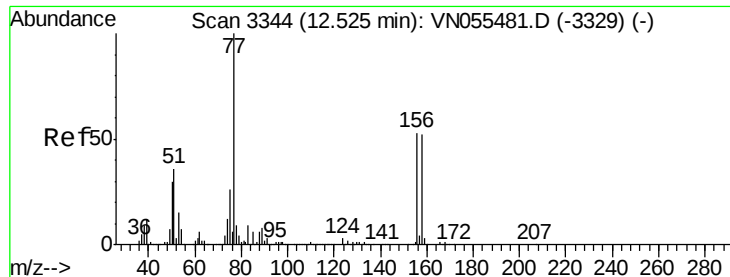
Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Tgt Ion:	75	Resp:	199582
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.578 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS01

Tot Ion:156 Resp: 173748

Ion Ratio Lower Upper

156 100

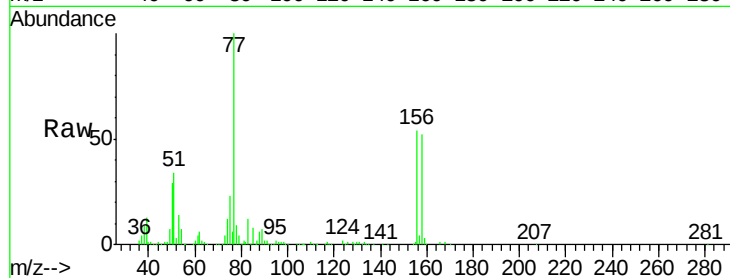
77 226.7 115.4 346.2

158 97.9 48.7 146.1

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

250000

200000

150000

100000

50000

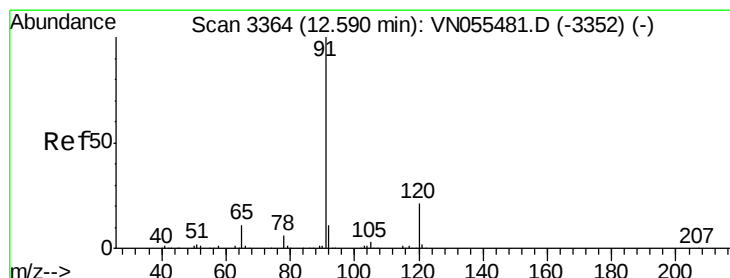
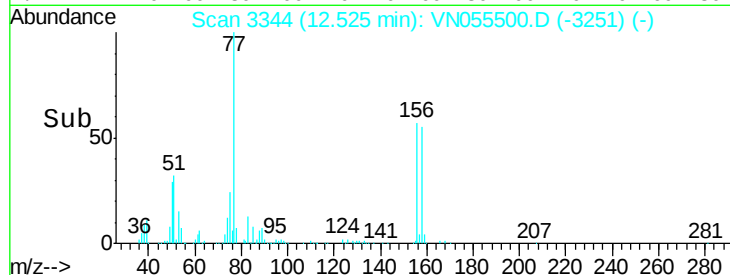
0

12.53

12.50

12.60

Time-->



#78

n-propylbenzene

Concen: 19.448 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055500.D

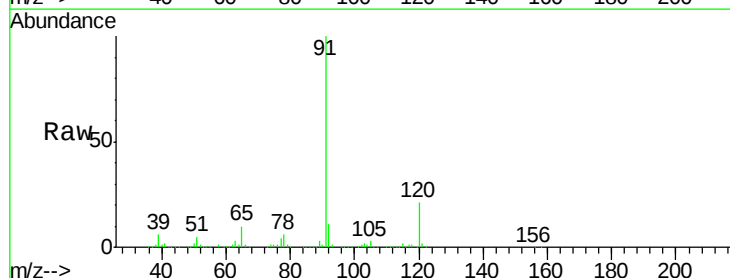
Acq: 9 May 2019 16:29

Tgt Ion: 91 Resp: 840005

Ion Ratio Lower Upper

91 100

120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

0

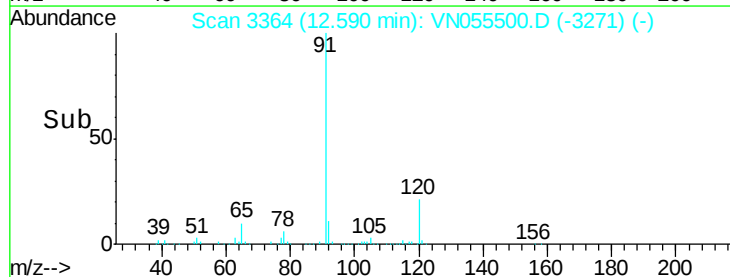
12.59

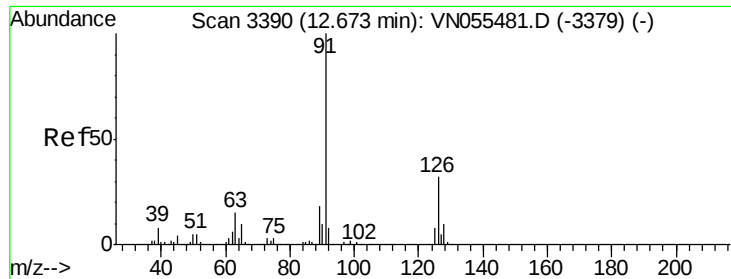
12.55

12.60

12.65

Time-->





#79

2-Chlorotoluene

Concen: 19.344 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampleId :

VN0509WBS01

Tot Ion: 91 Resp: 520707

Ion Ratio Lower Upper

91 100

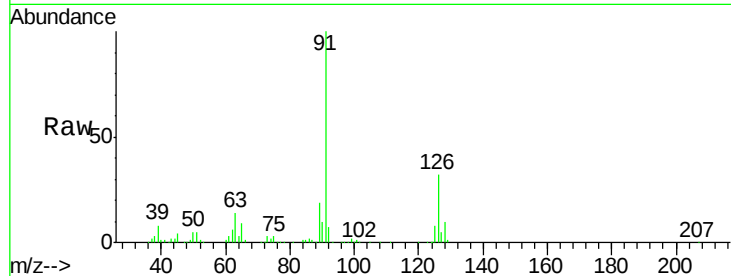
126 32.6 16.0 47.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)

400000

300000

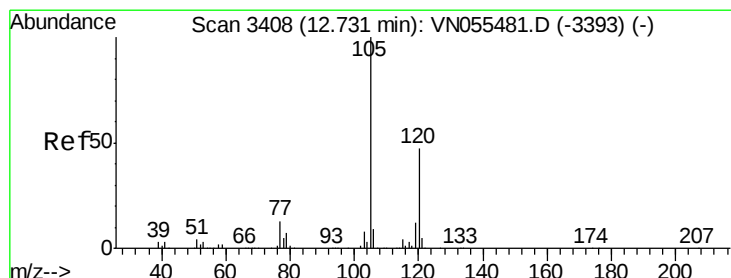
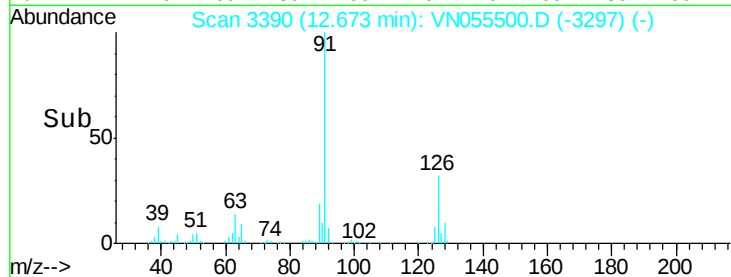
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.794 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055500.D

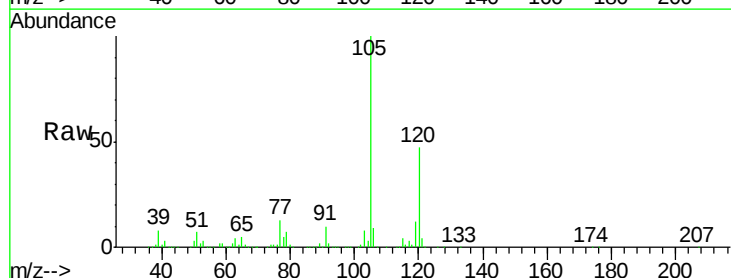
Acq: 9 May 2019 16:29

Tgt Ion: 105 Resp: 637482

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)

400000

300000

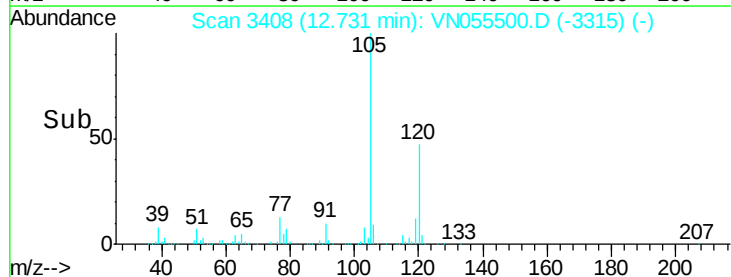
200000

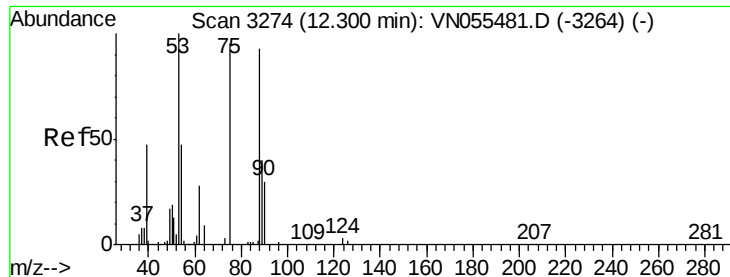
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.858 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

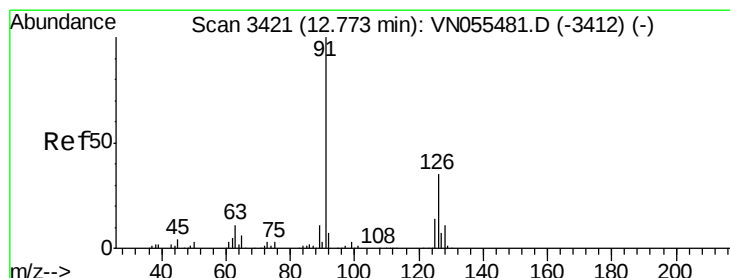
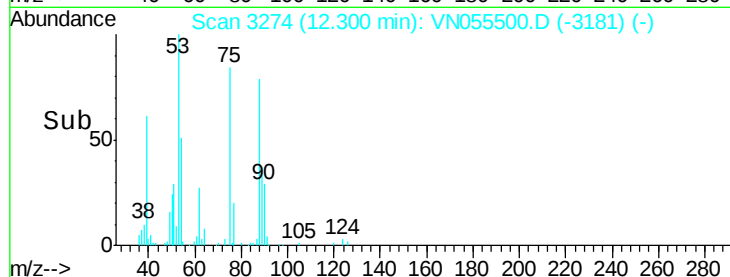
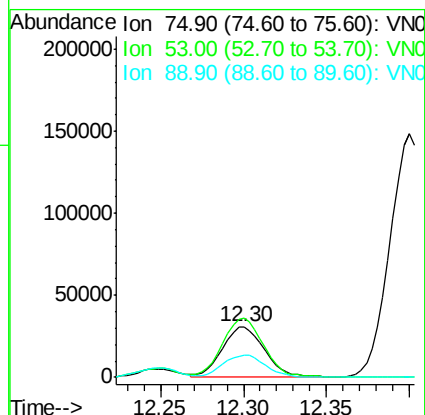
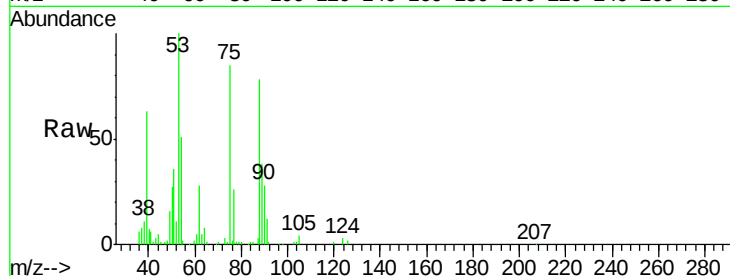
ClientSampled :

VN0509WBS01

Tot Ion:	75	Resp:	53058
Ion Ratio	Lower	Upper	
75	100		
53	118.2	86.5	129.7
89	46.5	35.7	53.5

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#82

4-Chlorotoluene

Concen: 19.276 ug/l

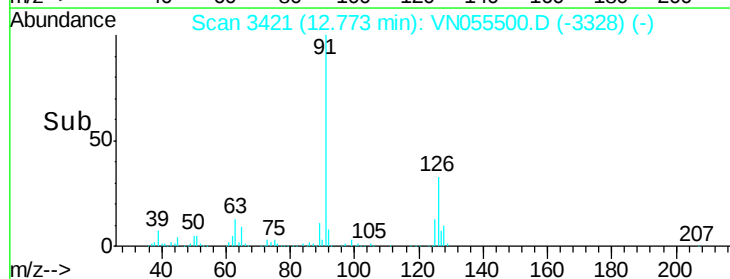
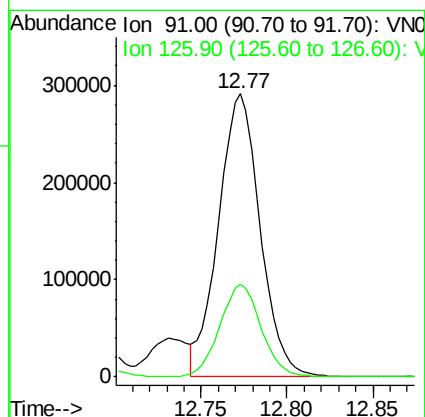
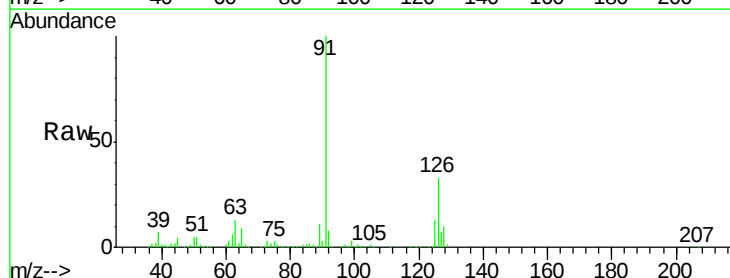
RT: 12.77 min Scan# 3421

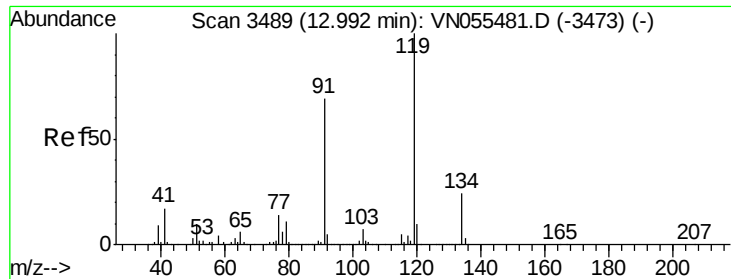
Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Tgt Ion:	91	Resp:	490272
Ion Ratio	Lower	Upper	
91	100		
126	32.6	15.7	47.0





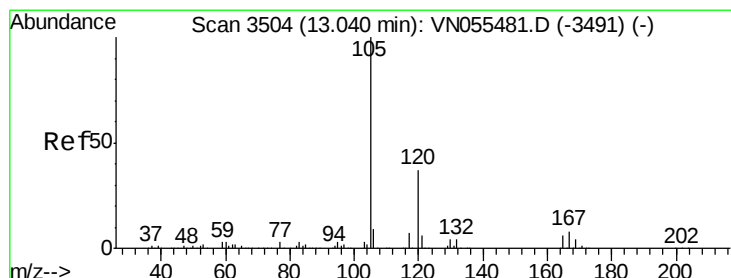
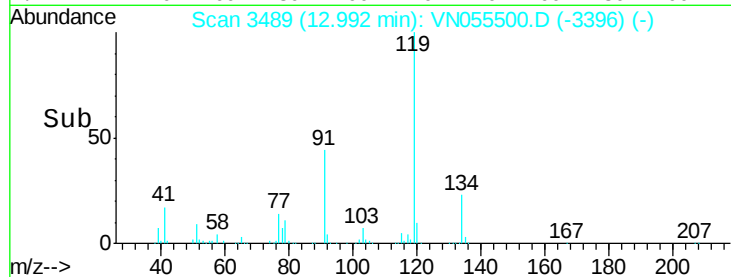
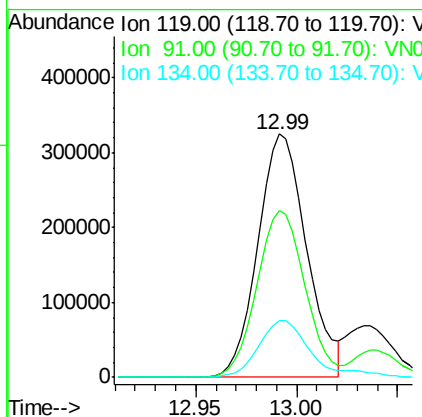
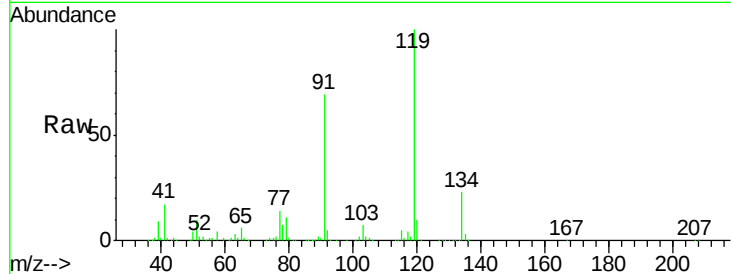
#83
 tert-Butylbenzene
 Concen: 19.814 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.8	101.3
134	25.0	12.5	37.5

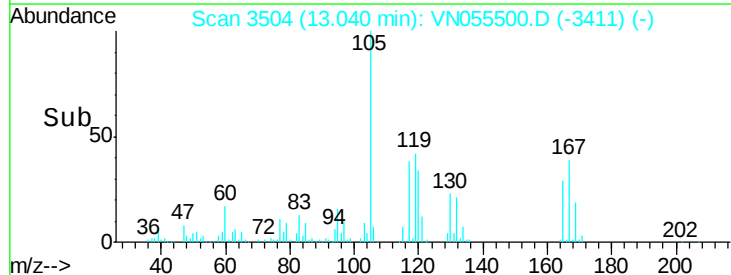
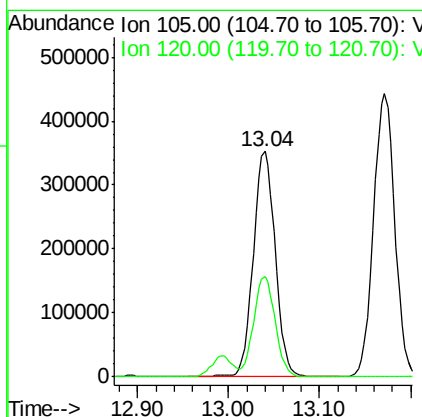
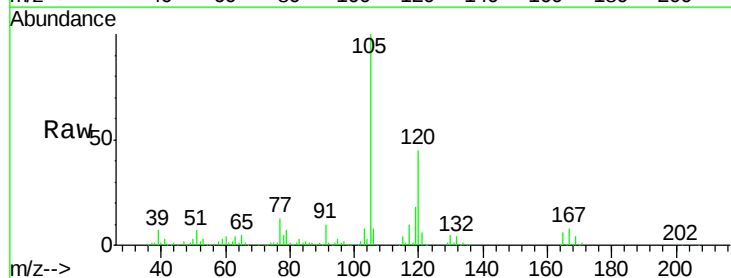
Manual Integrations
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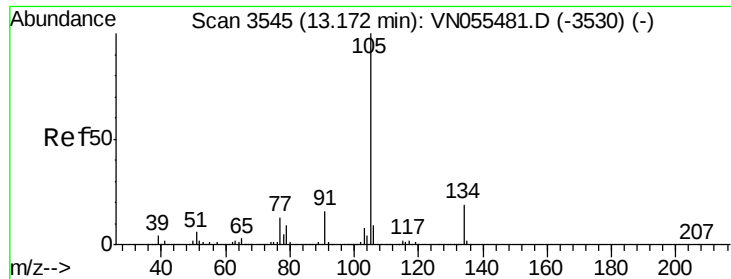
MMDadoda
 5/10/2019 12:43:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.042 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.556 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

ClientSampled :

VN0509WBS01

Tot Ion:105 Resp: 717475

Ion Ratio Lower Upper

105 100

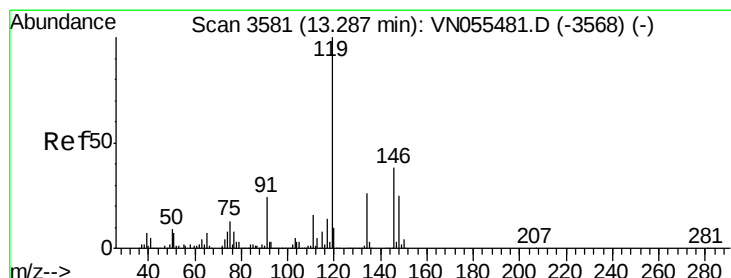
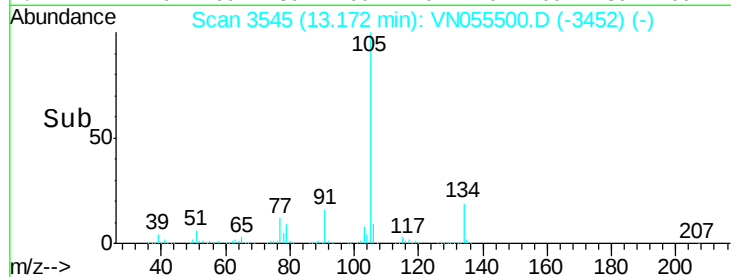
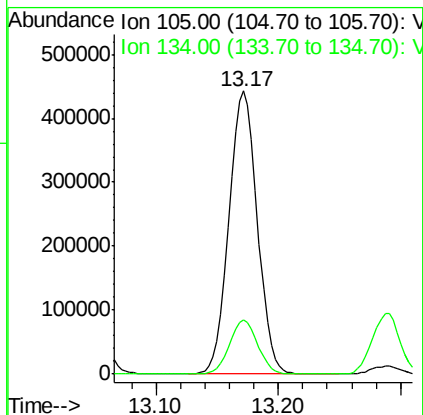
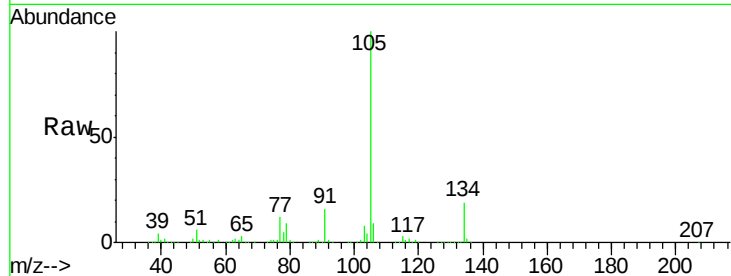
134 19.0 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.490 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

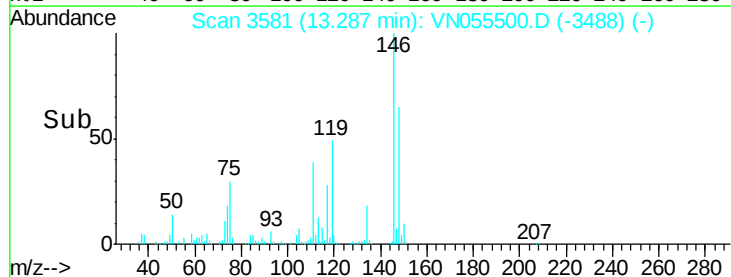
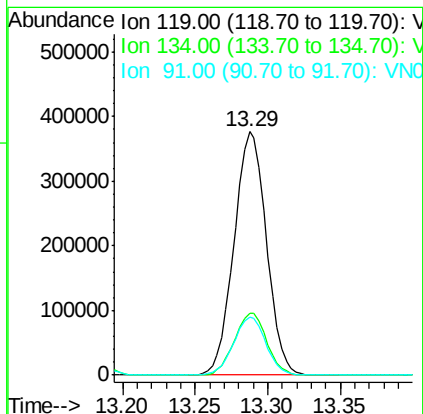
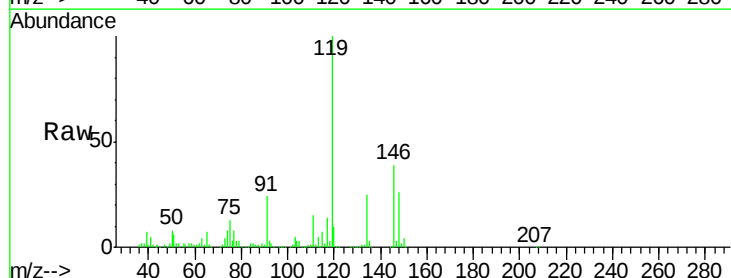
Tgt Ion:119 Resp: 581939

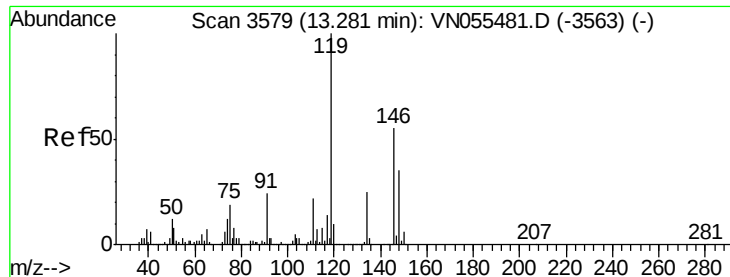
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 23.7 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.835 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

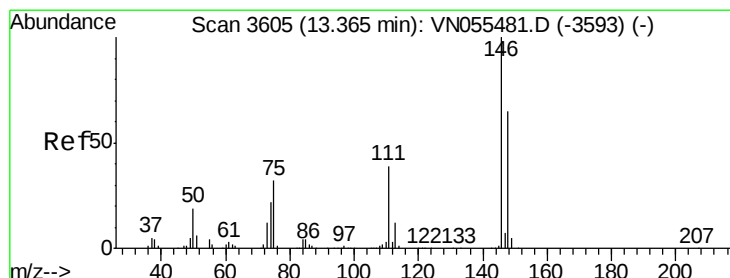
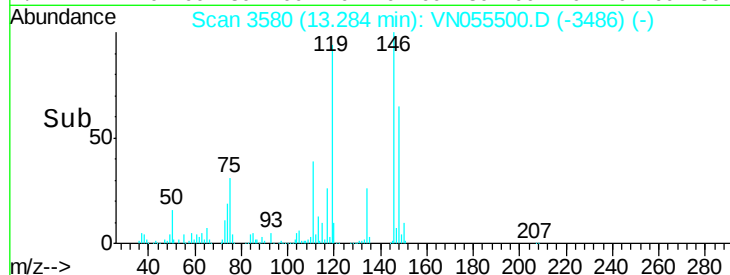
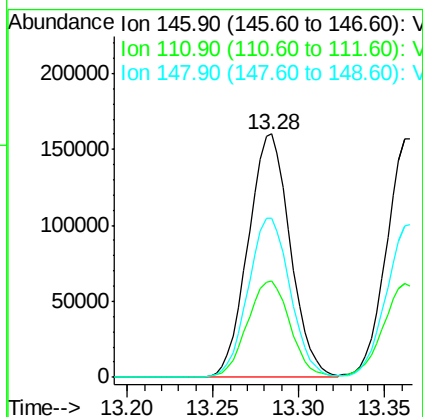
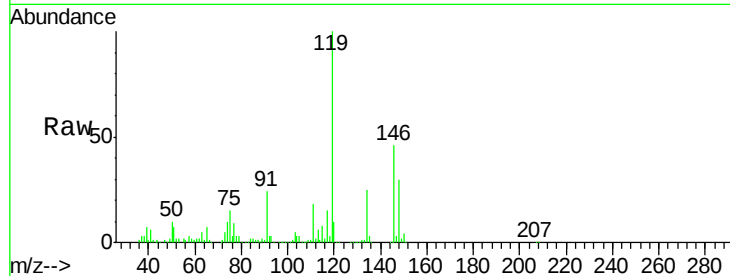
ClientSampleId :

VN0509WBS01

Tot Ion:	146	Resp:	272001
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.4	61.3
148	65.5	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.608 ug/l

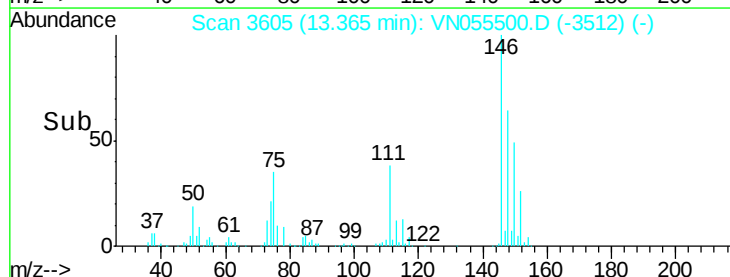
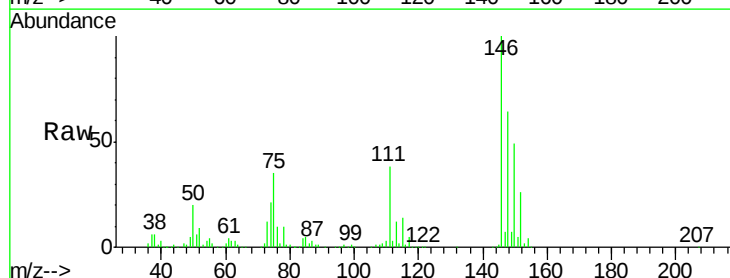
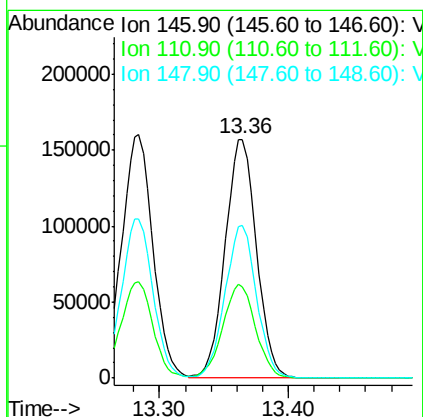
RT: 13.36 min Scan# 3605

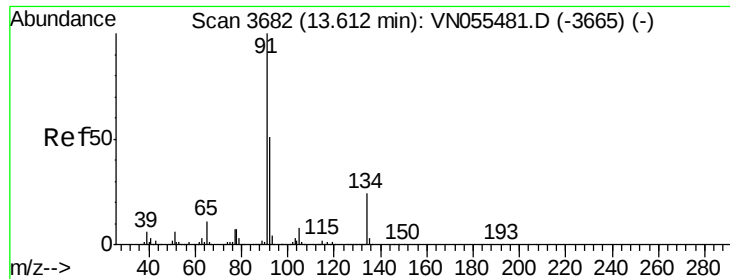
Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Tgt Ion:	146	Resp:	265367
Ion Ratio	Lower	Upper	
146	100		
111	41.0	19.6	58.8
148	64.1	32.5	97.4





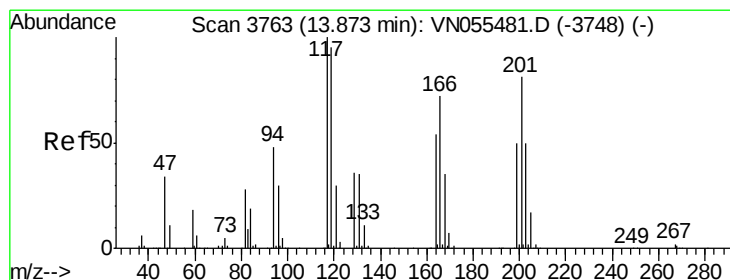
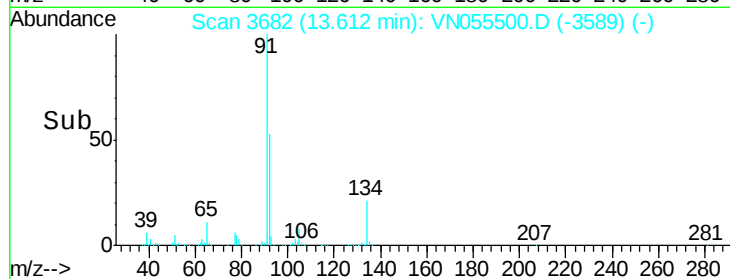
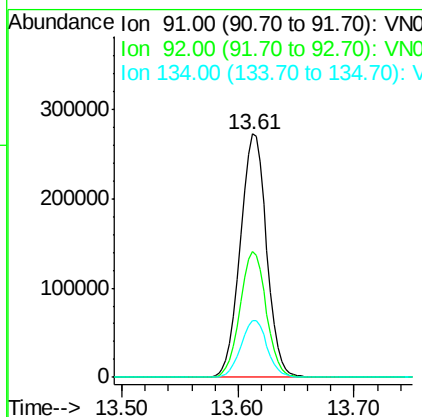
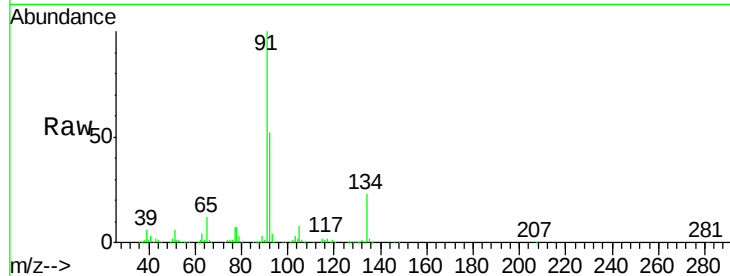
#89
n-Butylbenzene
Concen: 18.516 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Instrument :
MSVOA_N
ClientSampleId :
VN0509WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.7
134	23.3	11.8	35.4

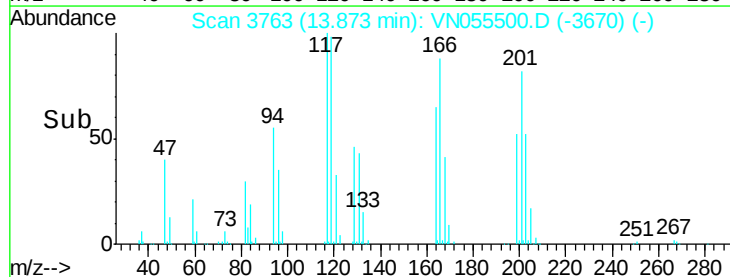
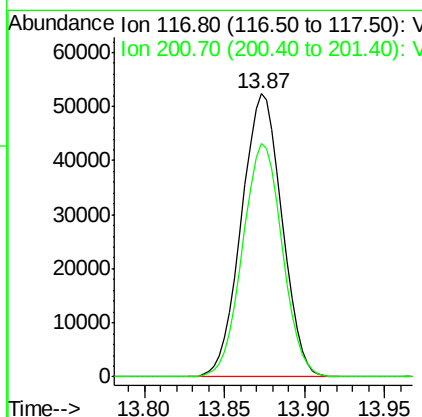
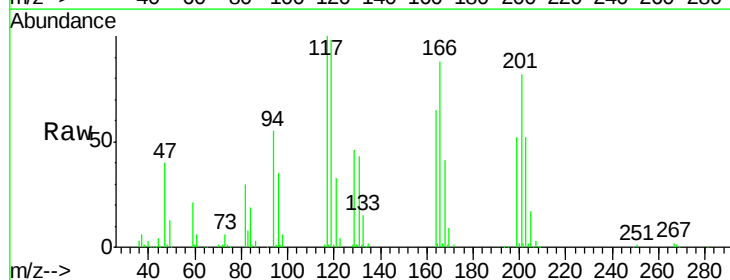
Manual Integrations
APPROVED

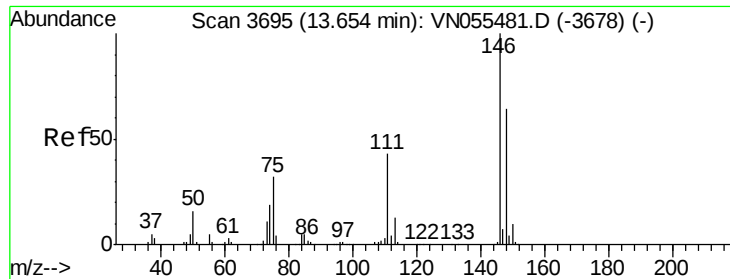
MMDadoda
5/10/2019 12:43:45 PM



#90
Hexachloroethane
Concen: 18.659 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055500.D
Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	40.1	120.2





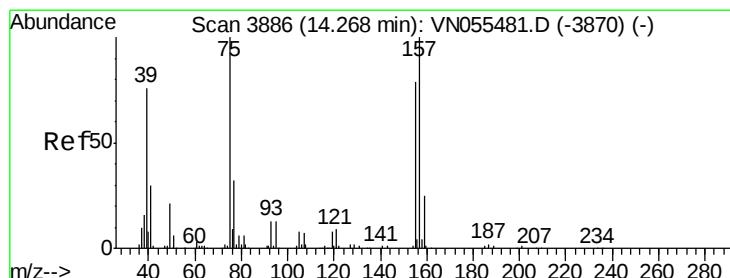
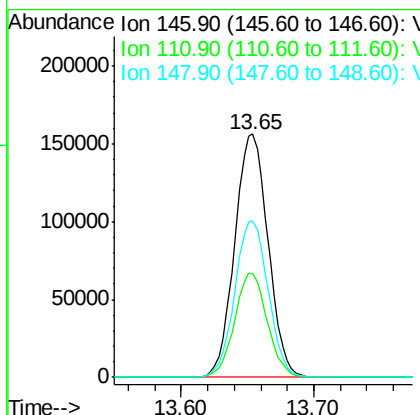
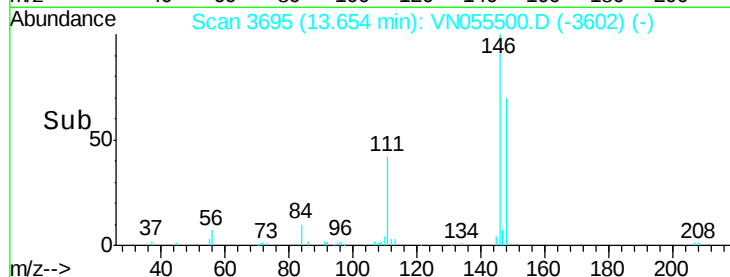
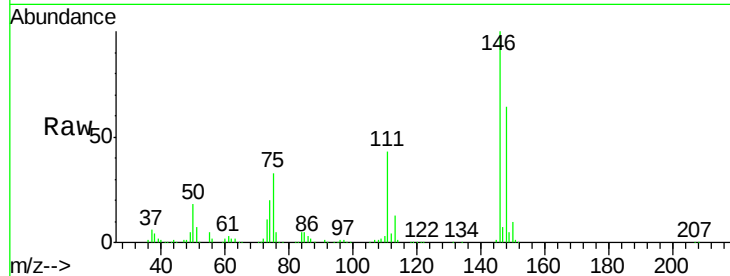
#91
 1,2-Dichlorobenzene
 Concen: 19.896 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	272696		
111	42.0		21.3	63.7
148	64.4		31.9	95.9

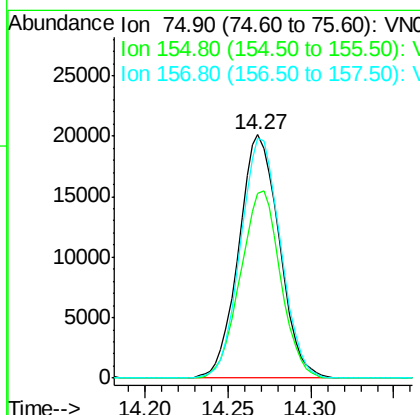
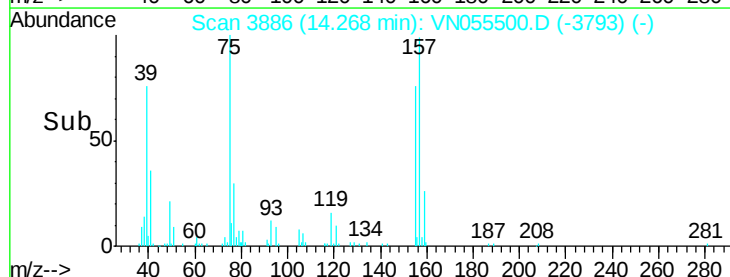
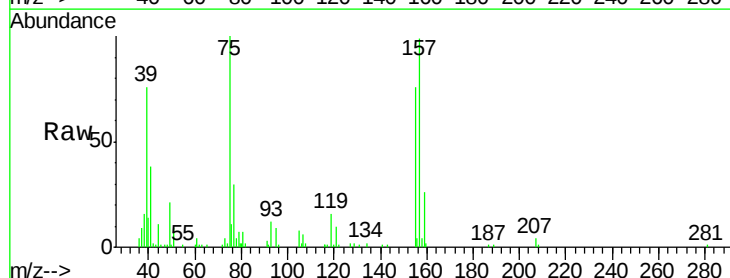
Manual Integrations
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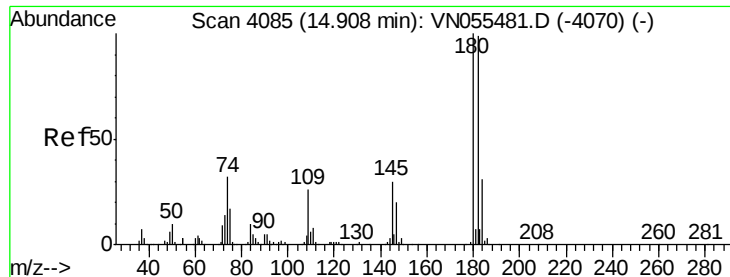
MMDadoda
 5/10/2019 12:43:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.440 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34148		
155	76.0		39.3	117.8
157	97.3		50.6	151.8





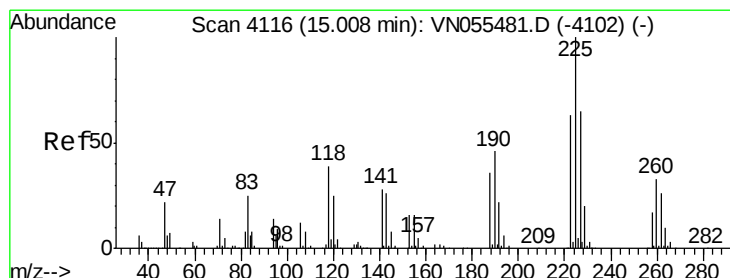
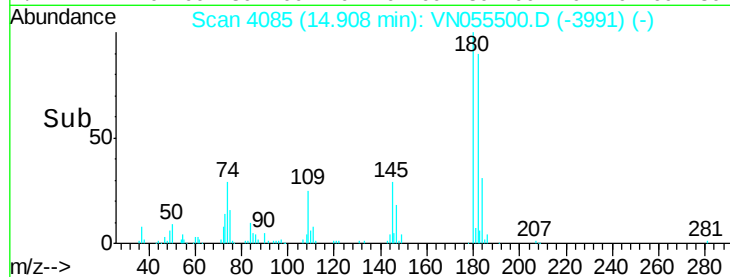
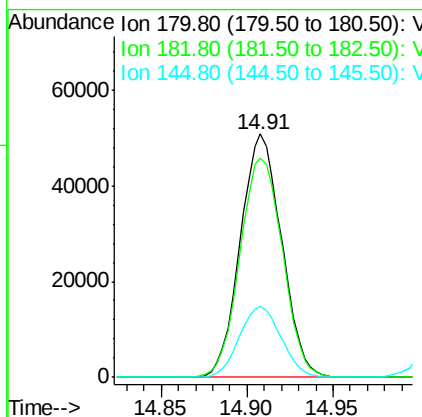
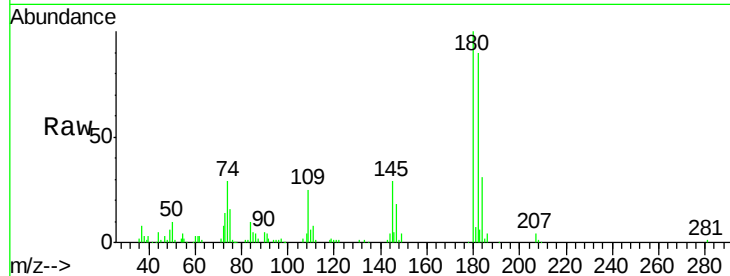
#93
 1,2,4-Trichlorobenzene
 Concen: 16.470 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.7	146.1
145	29.4	15.3	45.9

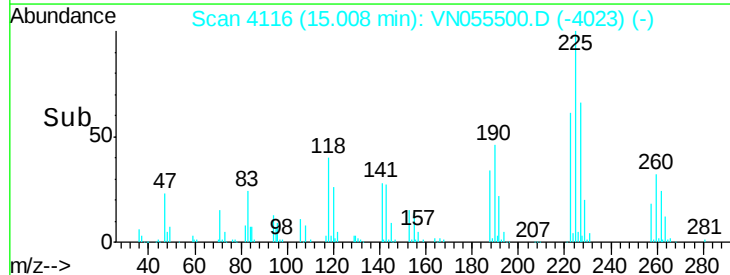
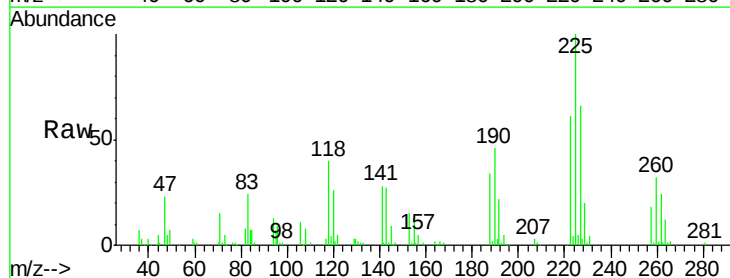
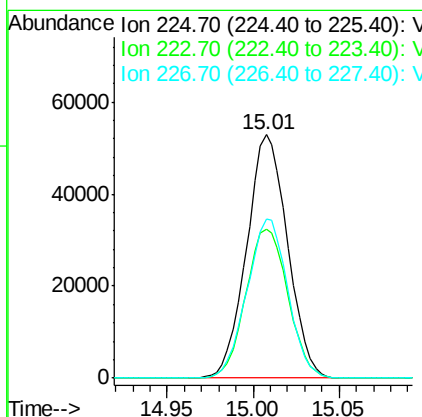
Manual Integrations
 APPROVED

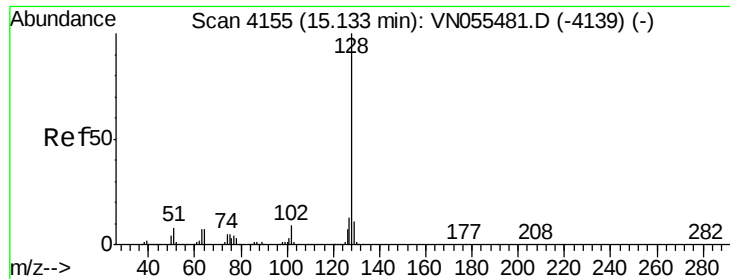
MMDadoda
 5/10/2019 12:43:45 PM



#94
 Hexachlorobutadiene
 Concen: 20.068 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055500.D
 Acq: 9 May 2019 16:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.3
227	65.2	32.0	96.0





#95

Naphthalene

Concen: 16.002 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Instrument :

MSVOA_N

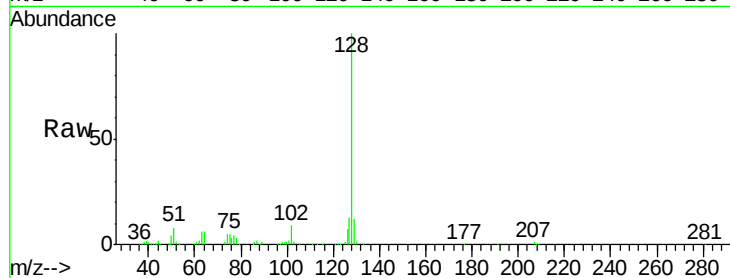
ClientSampleId :

VN0509WBS01

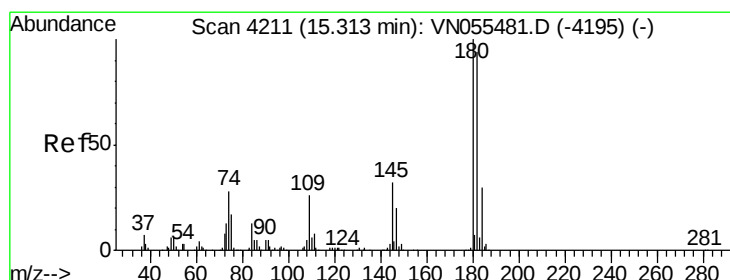
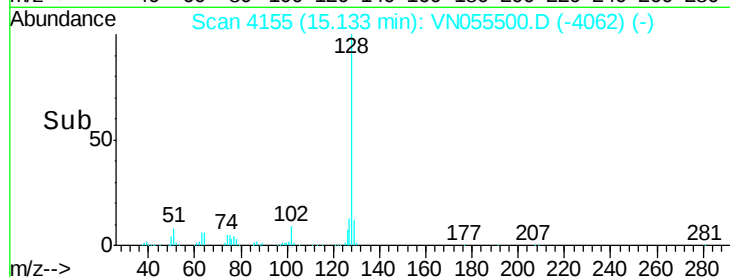
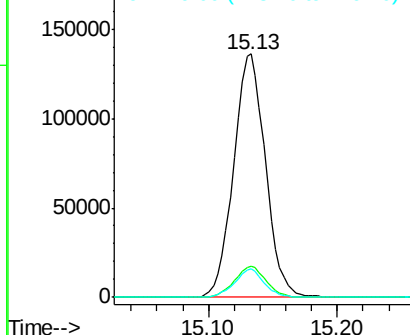
Tot Ion:	128	Resp:	233052
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.0	15.0
129	10.8	8.8	13.2

Manual Integrations
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5/10/2019 12:43:45 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 16.509 ug/l

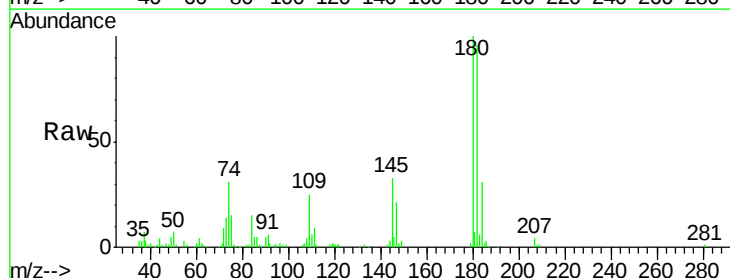
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055500.D

Acq: 9 May 2019 16:29

Tgt Ion:	180	Resp:	95663
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.1	141.3
145	32.1	15.8	47.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

