

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058340.D
 Acq On : 24 Sep 2019 11:37
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 8:23:54 AM

Quant Time: Sep 25 01:32:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	95530	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	551870	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	500577	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	246962	29.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.10%
60) 4-Bromofluorobenzene	12.41	95	269200	31.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.27%
63) Toluene-d8	10.08	98	717300	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	881864	151.504	ug/l 99
3) Chloromethane	2.03	50	984915	139.095	ug/l 100
4) Vinyl Chloride	2.17	62	996179	138.108	ug/l 97
5) Bromomethane	2.52	94	524757	121.678	ug/l 100
6) Chloroethane	2.67	64	582477	131.093	ug/l 96
7) Trichlorofluoromethane	2.99	101	1155725	140.975	ug/l 99
8) Diethyl Ether	3.39	74	527473	153.537	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	798025	149.934	ug/l 99
10) 1,1-Dichloroethene	3.71	96	789669	154.439	ug/l 98
11) Methyl Iodide	3.93	142	966133	150.920	ug/l 98
12) Methyl Acetate	4.30	43	1073766	156.175	ug/l 99
13) Acrolein	3.58	56	186849	534.892	ug/l 99
14) Acrylonitrile	4.96	53	2226901	786.391	ug/l 99
15) Acetone	3.80	58	571039	714.392	ug/l 95
16) Carbon Disulfide	4.03	76	2324573	189.476	ug/l 98
17) Allyl chloride	4.30	41	1525988	162.095	ug/l 96
18) Methylene Chloride	4.53	84	919931	144.561	ug/l 94
19) trans-1,2-Dichloroethene	5.01	96	883894	155.142	ug/l 95
20) Diisopropyl ether	5.93	45	3262136	151.641	ug/l 94
21) 1,1-Dichloroethane	5.82	63	1793986	151.266	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	1035158	150.039	ug/l 100
23) tert-Butyl Alcohol	4.76	59	829923	882.697	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	2891684	150.080	ug/l 100
25) Chloroform	7.36	83	1788471	147.973	ug/l 99
26) Cyclohexane	7.64	56	1661499	162.426	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	1388092	157.642	ug/l 99
30) 2-Butanone	6.81	43	3127382	790.612	ug/l 100
31) 2,2-Dichloropropane	6.81	77	1463078	157.533	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	1549904	157.967	ug/l 99
33) Carbon Tetrachloride	7.76	117	1327028	163.498	ug/l 95
34) Benzene	8.03	78	3780209	146.045	ug/l # 91
35) Methacrylonitrile	7.16	41	591627m	158.397	ug/l
36) 1,2-Dichloroethane	8.11	62	1529961	152.447	ug/l 99
37) Trichloroethene	8.82	130	977344	154.548	ug/l 98
38) Methylcyclohexane	9.07	83	1686026	166.580	ug/l 98
39) 1,2-Dichloropropane	9.11	63	1064754	147.535	ug/l 97
40) Dibromomethane	9.20	93	672344	152.278	ug/l 99

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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	1406012	157.867	ug/l	98
42) Vinyl Acetate	5.87	43	10035588	632.787	ug/l #	90
43) Ethyl Acetate	6.91	43	1312622	164.027	ug/l	94
44) Isopropyl Acetate	8.15	43	2296625	161.747	ug/l	97
45) 1,4-Dioxane	9.19	88	373102	3285.997	ug/l	97
46) Methyl methacrylate	9.19	41	1111336	161.888	ug/l	97
47) n-amyl Acetate	12.07	43	2101269	163.332	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1613638	169.239	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	1730846	161.502	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	943655	148.211	ug/l	98
51) Ethyl methacrylate	10.43	69	1595566	160.724	ug/l	97
52) 1,3-Dichloropropane	10.71	76	1682386	150.322	ug/l	99
53) Dibromochloromethane	10.90	129	1042980	164.039	ug/l	99
54) 1,2-Dibromoethane	11.00	107	996996	156.332	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	3195570	700.515	ug/l	96
56) Bromoform	12.13	173	706090	179.357	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	4814817	615.044	ug/l #	79
59) 2-Hexanone	10.75	43	3927723	668.000	ug/l #	85
61) Tetrachloroethene	10.63	164	813432	158.156	ug/l	99
62) Toluene	10.15	91	3772693	135.634	ug/l	90
64) Chlorobenzene	11.43	112	2520674	146.179	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	956033	159.222	ug/l	98
66) Ethyl Benzene	11.51	91	3912855	128.529	ug/l #	73
67) m/p-Xylenes	11.62	106	3394610m	291.901	ug/l	
68) o-Xylene	11.95	106	1732908	151.848	ug/l	86
69) Styrene	11.97	104	2861183	147.936	ug/l	96
70) Isopropylbenzene	12.25	105	3838043	128.101	ug/l	87
71) 1,1,2,2-Tetrachloroethane	12.51	83	1426491	152.379	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	1163681m	140.062	ug/l	
73) Bromobenzene	12.53	156	1087209	150.397	ug/l	98
74) n-propylbenzene	12.60	91	4185485	121.994	ug/l	83
75) 2-Chlorotoluene	12.68	91	3057156	142.765	ug/l	96
76) 1,3,5-Trimethylbenzene	12.74	105	3464035	135.274	ug/l	88
77) t-1,4-Dichloro-2-butene	12.30	75	479800	190.505	ug/l	90
78) 4-Chlorotoluene	12.78	91	3141949	143.202	ug/l	94
79) tert-butylbenzene	13.00	119	3176811	143.167	ug/l	97
80) 1,2,4-Trimethylbenzene	13.05	105	3453412m	135.050	ug/l	
81) sec-Butylbenzene	13.18	105	3786169	127.627	ug/l	89
82) p-Isopropyltoluene	13.30	119	3479986	131.542	ug/l	88
83) 1,3-Dichlorobenzene	13.29	146	2029429	151.857	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	2025976	153.554	ug/l	99
85) n-Butylbenzene	13.62	91	3422661	139.190	ug/l	87
86) Hexachloroethane	13.88	117	727419	170.882	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	1969084	151.192	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	309425	184.044	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	1364065	170.849	ug/l	98
90) Hexachlorobutadiene	15.02	225	634977	172.070	ug/l	97
91) Naphthalene	15.14	128	3410047	156.150	ug/l	96
92) 1,2,3-Trichlorobenzene	15.30	180	1288184	169.717	ug/l	99

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QLast Update : Wed Sep 25 01:14:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

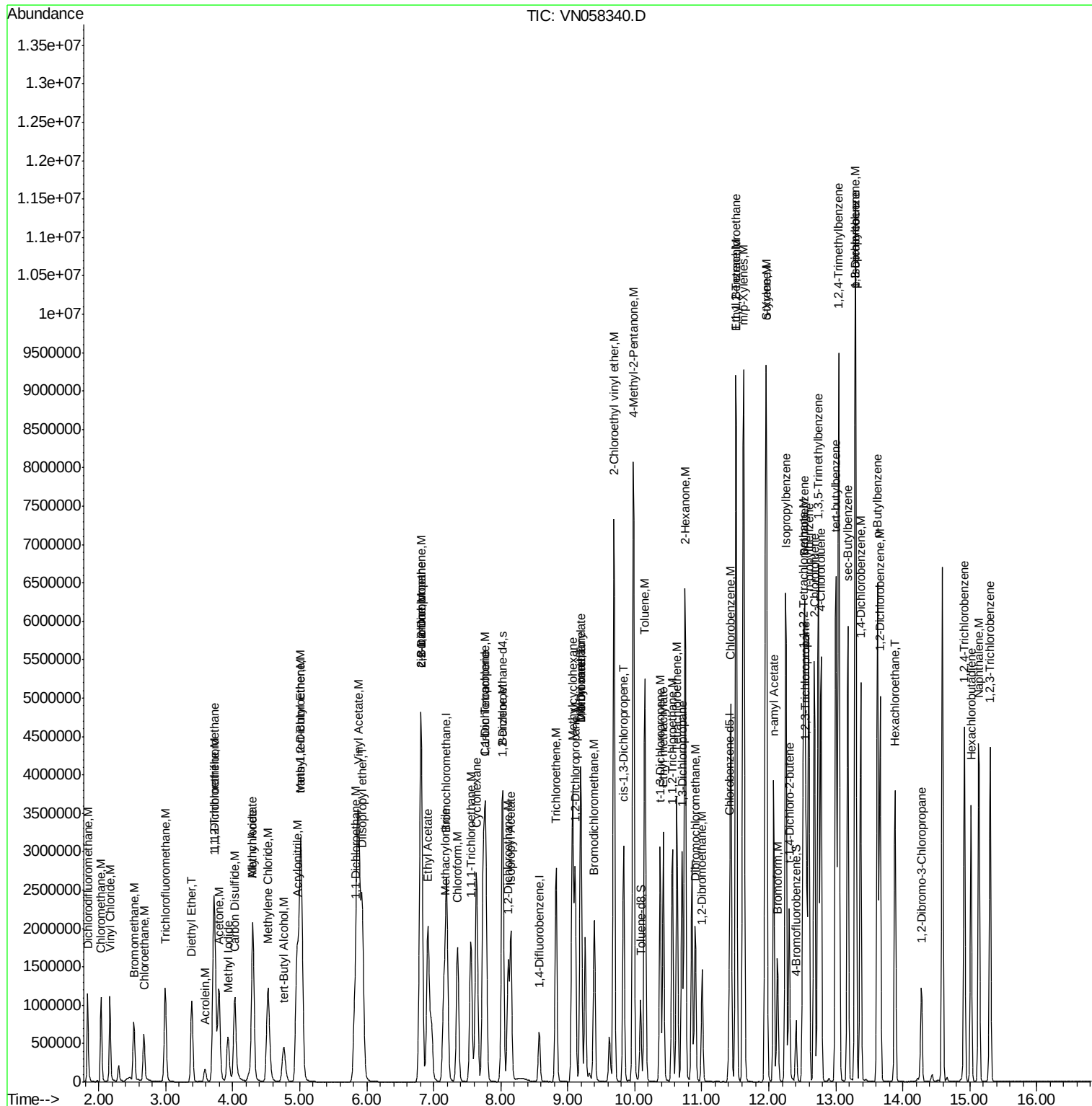
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Data File : VN058340.D
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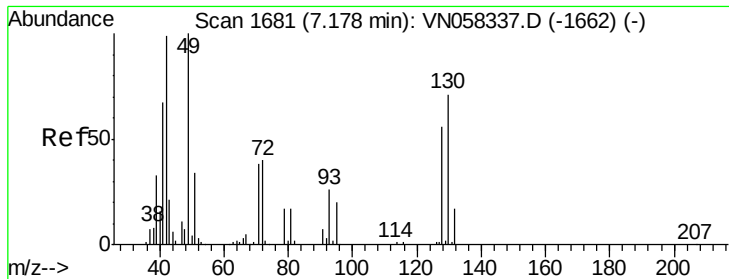
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC150

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

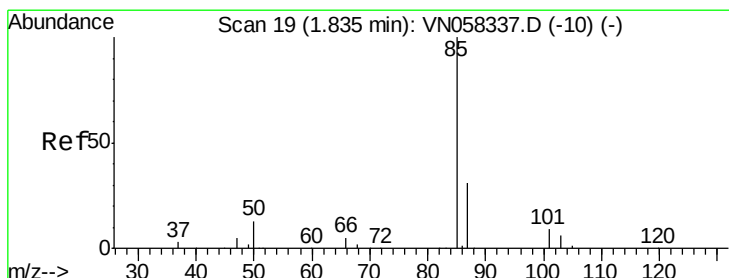
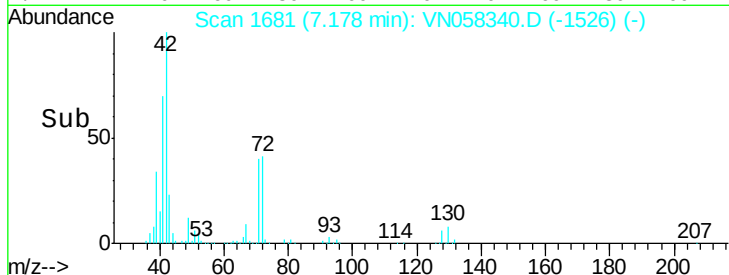
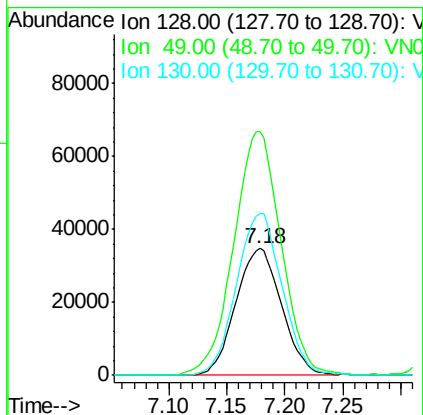
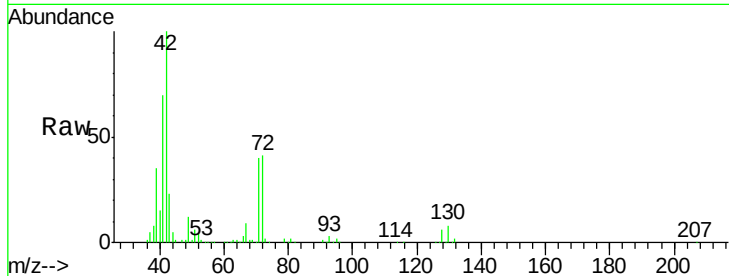
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	199.1	0.0	458.5
130	127.5	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 151.504 ug/l

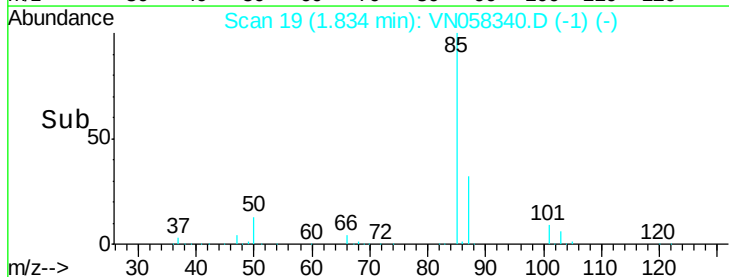
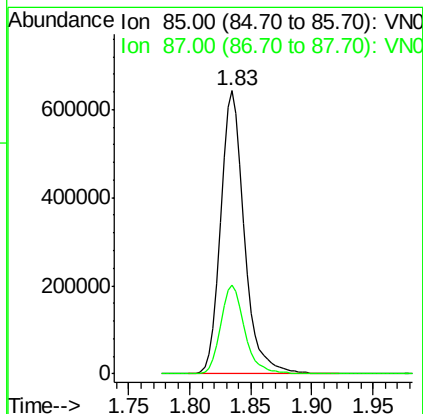
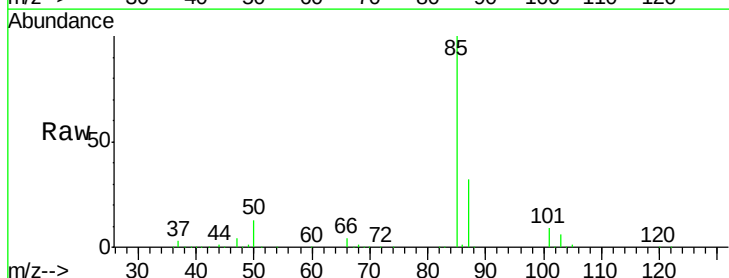
RT: 1.83 min Scan# 19

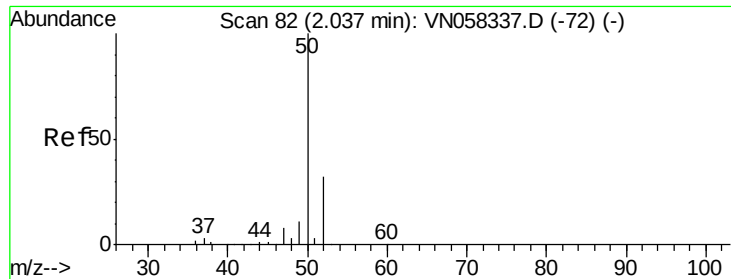
Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.5	46.5





#3

Chloromethane

Concen: 139.095 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Tot Ion: 50 Resp: 984915

Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9

Instrument :

MSVOA_N

ClientSampleId :

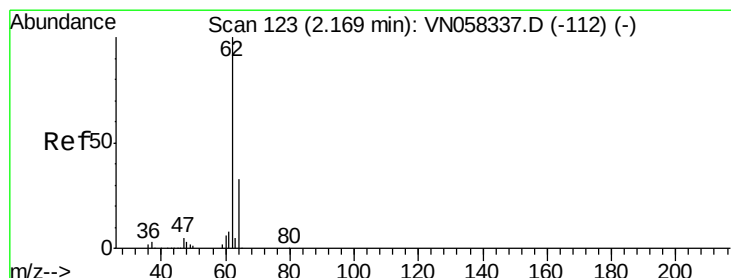
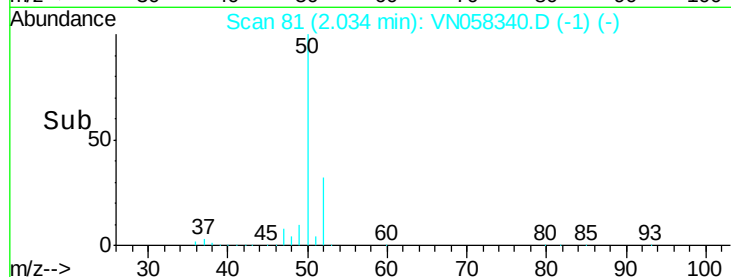
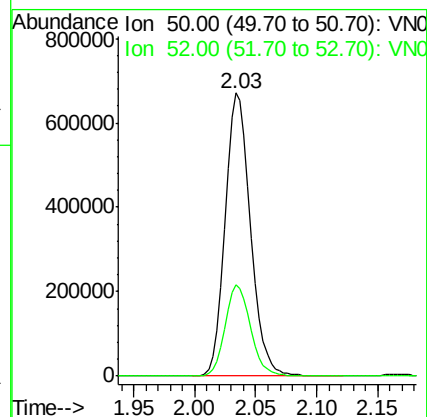
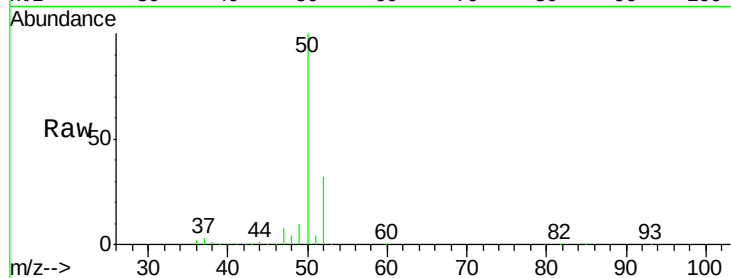
VSTDIC150

Manual Integrations

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#4

Vinyl Chloride

Concen: 138.108 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058340.D

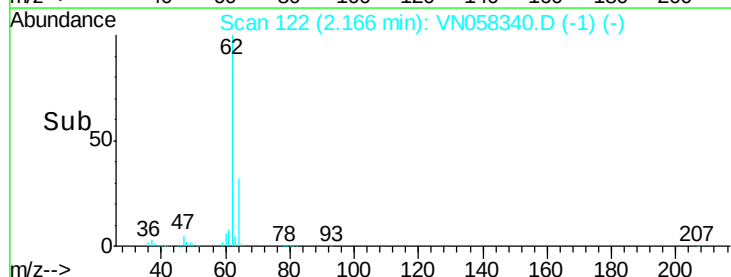
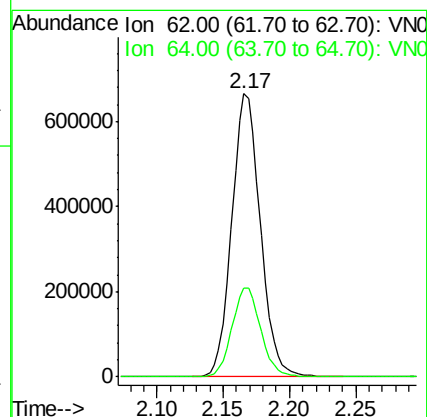
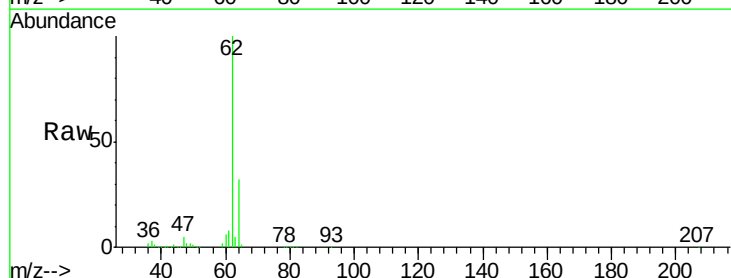
Acq: 24 Sep 2019 11:37

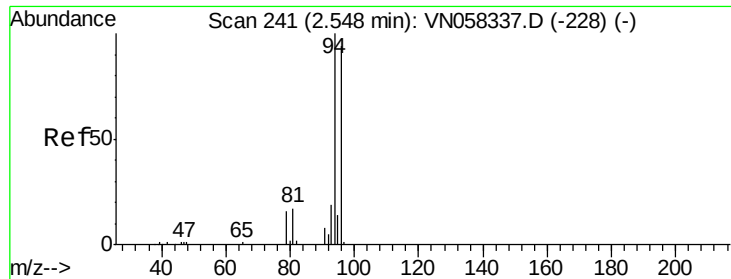
Tgt Ion: 62 Resp: 996179

Ion Ratio Lower Upper

62 100

64 31.5 26.6 40.0





#5

Bromomethane

Concen: 121.678 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.03 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 524757

Ion Ratio Lower Upper

94 100

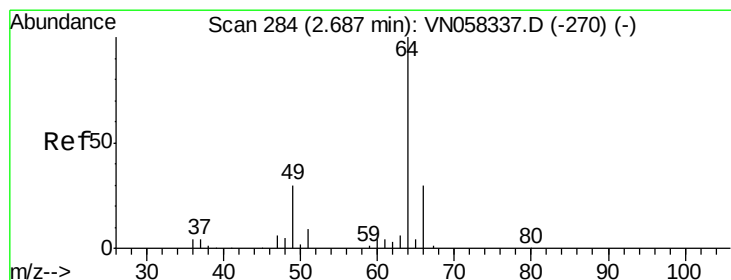
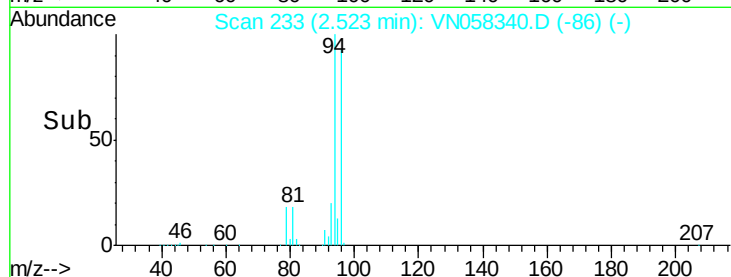
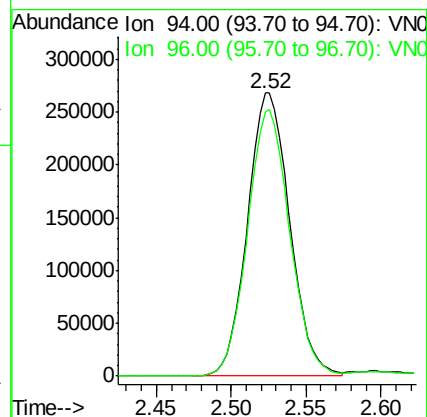
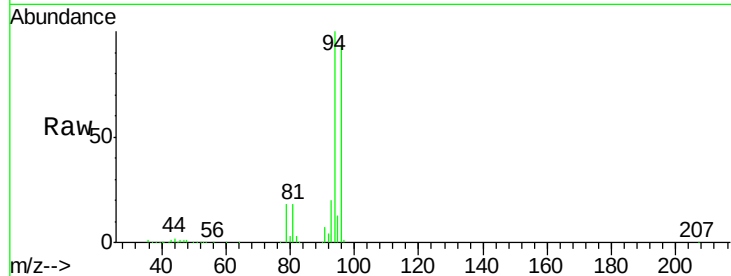
96 93.3 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 131.093 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN058340.D

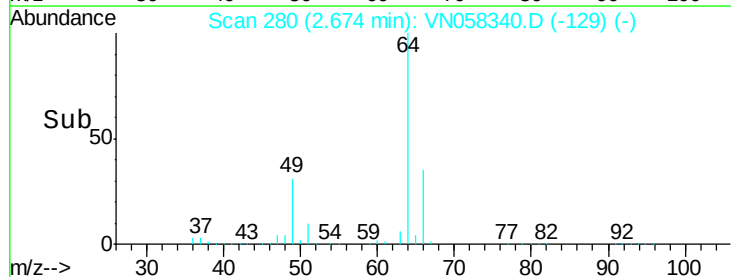
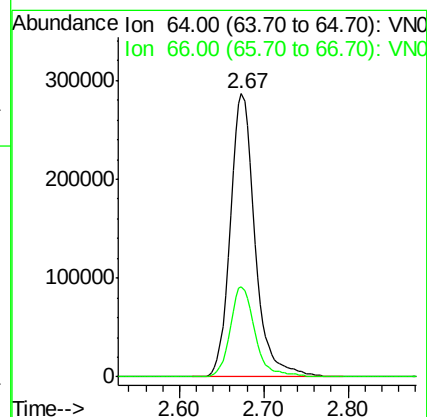
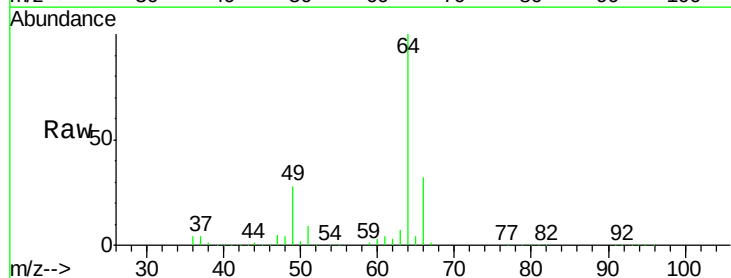
Acq: 24 Sep 2019 11:37

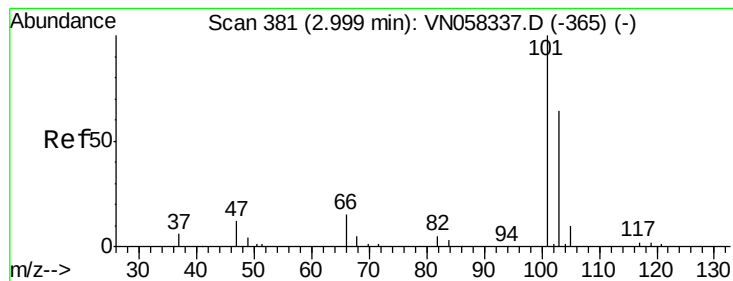
Tgt Ion: 64 Resp: 582477

Ion Ratio Lower Upper

64 100

66 31.9 23.8 35.6





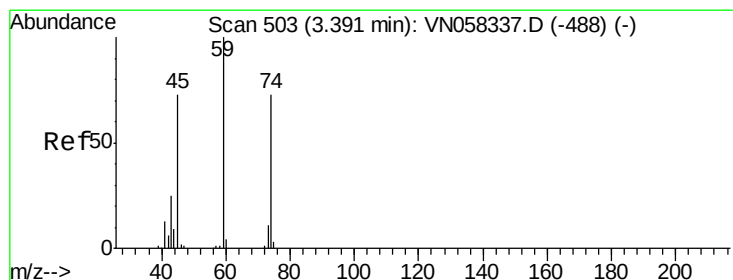
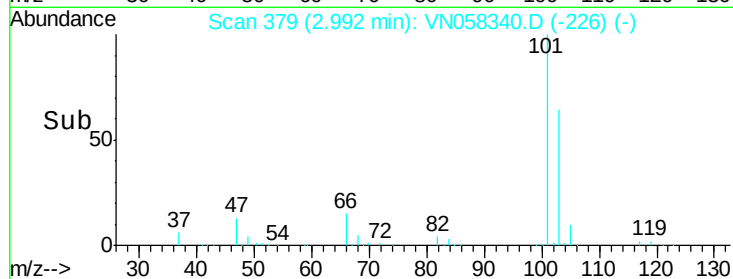
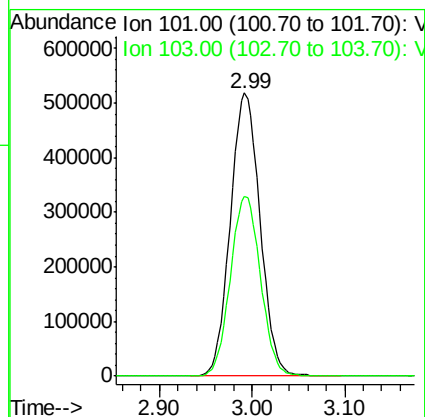
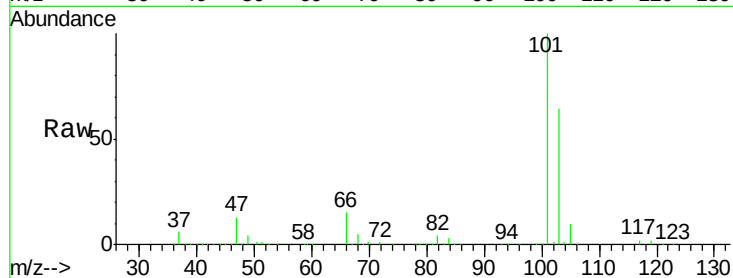
#7
 Trichlorofluoromethane
 Concen: 140.975 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1155725
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.5 77.3

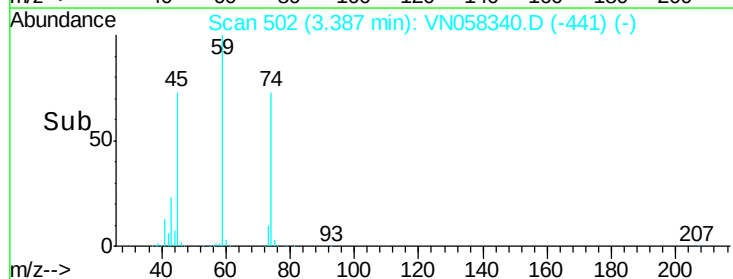
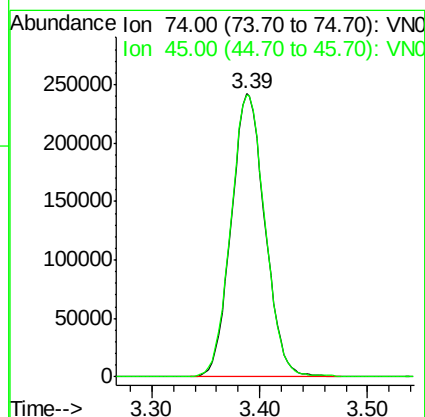
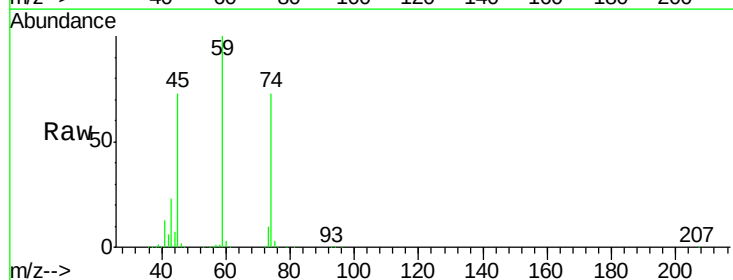
Manual Integrations
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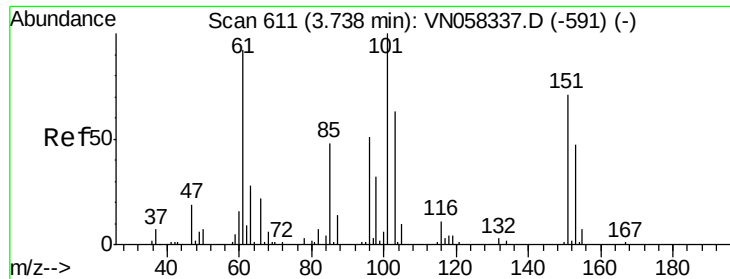
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 9/25/2019 8:23:54 AM



#8
 Diethyl Ether
 Concen: 153.537 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion: 74 Resp: 527473
 Ion Ratio Lower Upper
 74 100
 45 100.8 20.8 187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.934 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

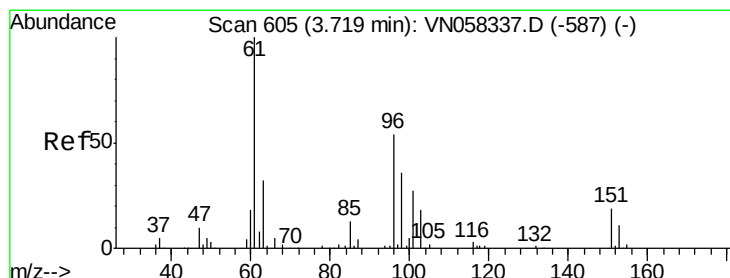
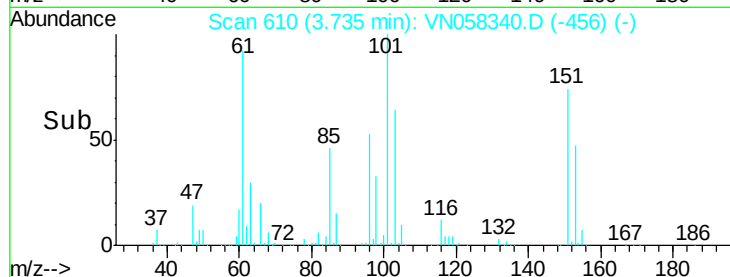
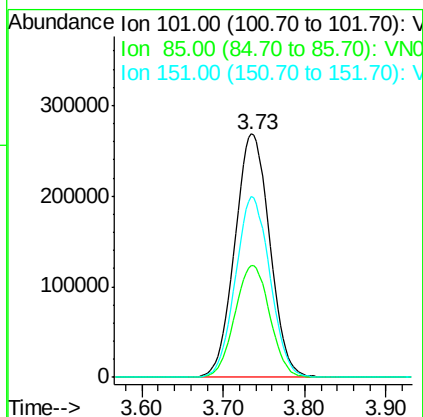
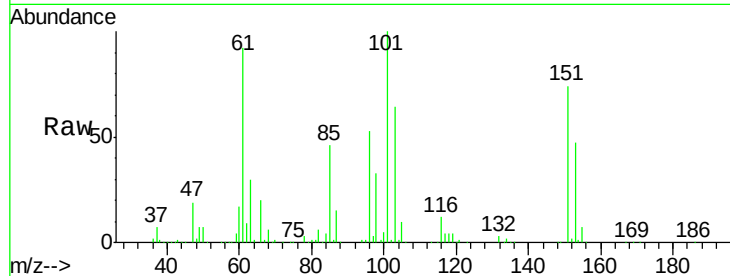
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	798025
Ion Ratio	Lower	Upper	
101	100		
85	45.8	0.0	93.0
151	73.4	0.0	147.2

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#10

1,1-Dichloroethene

Concen: 154.439 ug/l

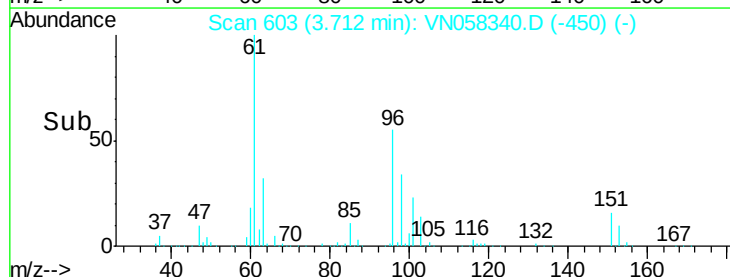
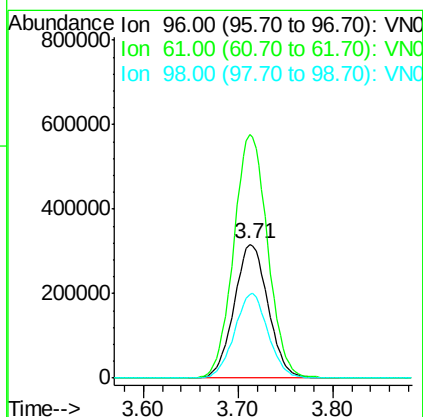
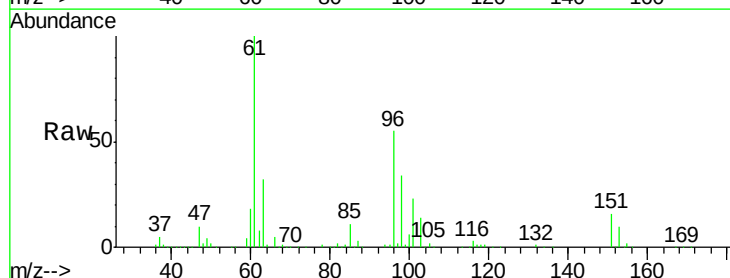
RT: 3.71 min Scan# 603

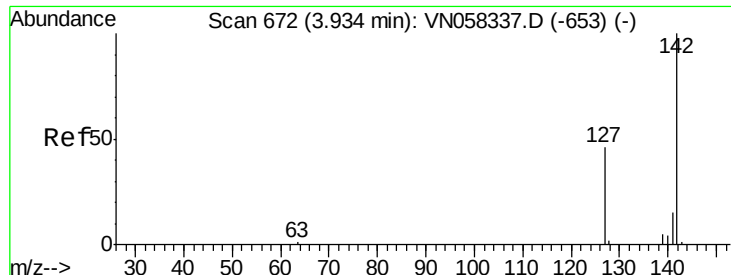
Delta R.T. -0.01 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Tgt Ion:	96	Resp:	789669
Ion Ratio	Lower	Upper	
96	100		
61	182.1	146.9	220.3
98	62.8	52.3	78.5





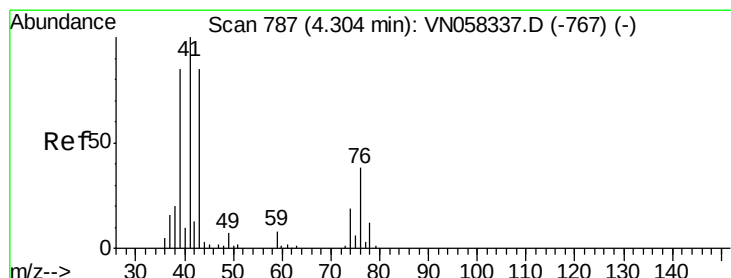
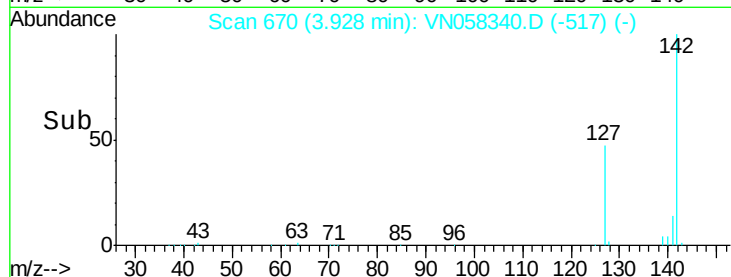
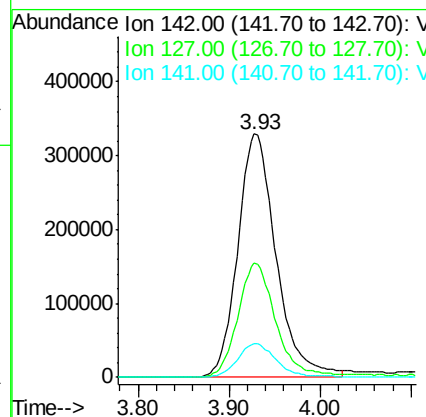
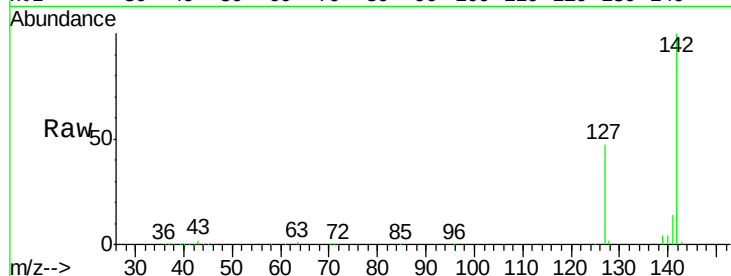
#11
Methvl Iodide
Concen: 150.920 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.01 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.9	22.9	68.7
141	13.8	7.4	22.3

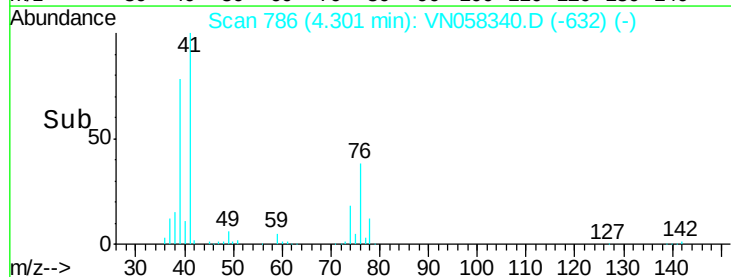
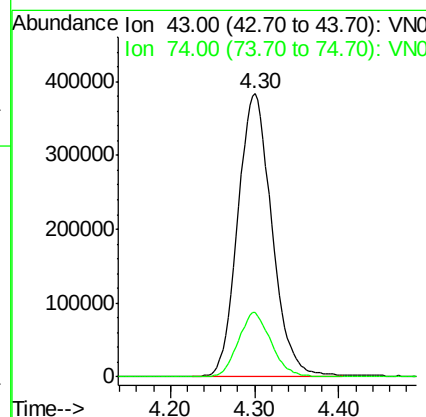
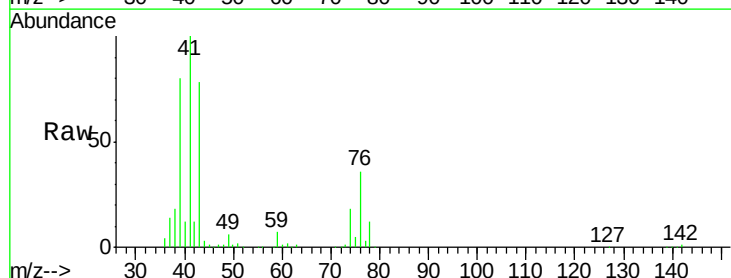
Manual Integrations
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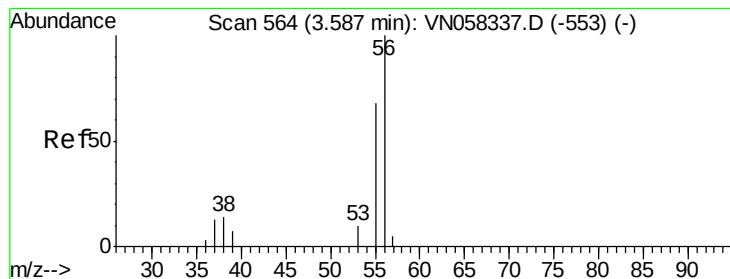
MMDadoda
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#12
Methyl Acetate
Concen: 156.175 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.8	26.6





#13

Acrolein

Concen: 534.892 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 186849

Ion Ratio Lower Upper

56 100

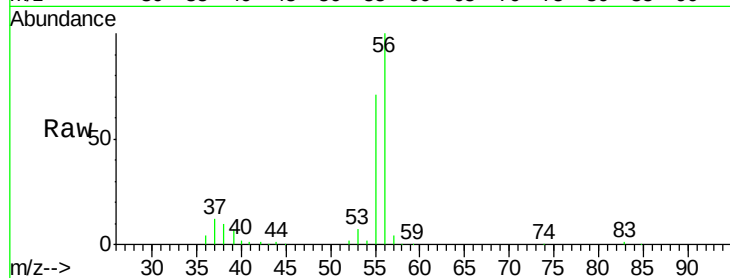
55 72.3 58.4 87.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

80000

60000

40000

20000

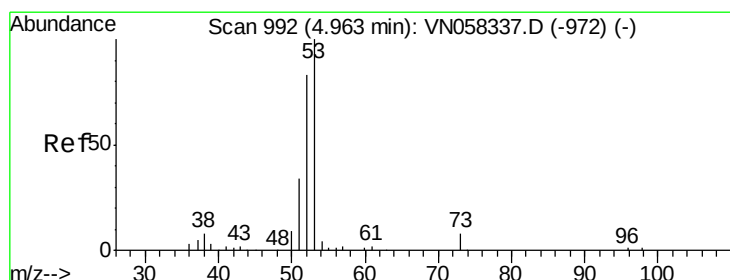
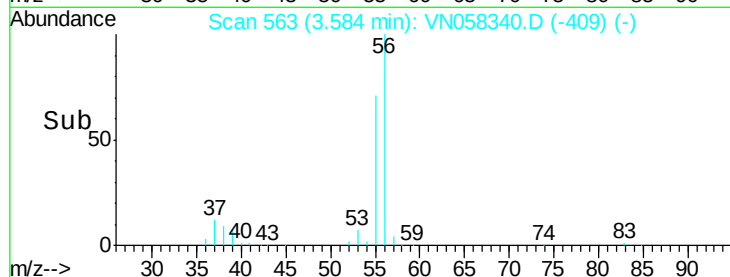
0

Time-->

3.50

3.60

3.70



#14

Acrylonitrile

Concen: 786.391 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

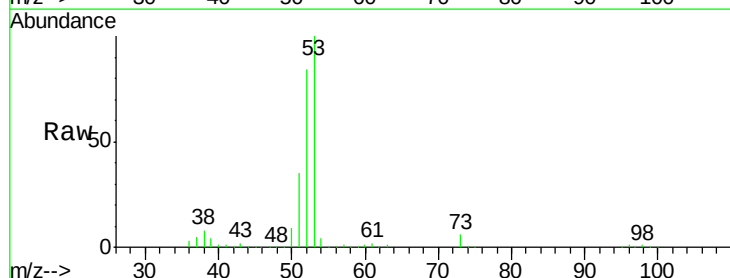
Tgt Ion: 53 Resp: 2226901

Ion Ratio Lower Upper

53 100

52 83.5 41.3 123.7

51 36.7 18.3 54.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.96

800000

600000

400000

200000

0

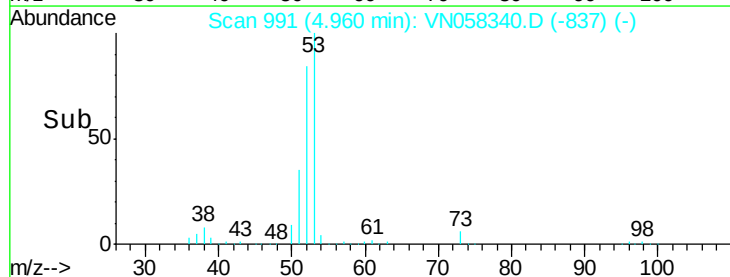
Time-->

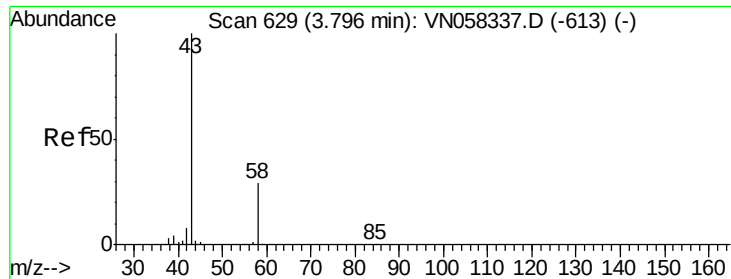
4.80

4.90

5.00

5.10





#15

Acetone

Concen: 714.392 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 571039

Ion Ratio Lower Upper

58 100

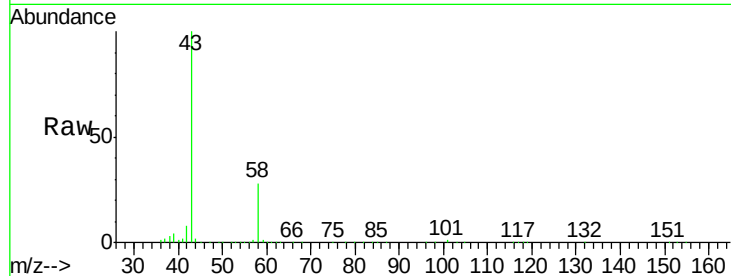
43 352.5 272.6 409.0

Manual Integrations

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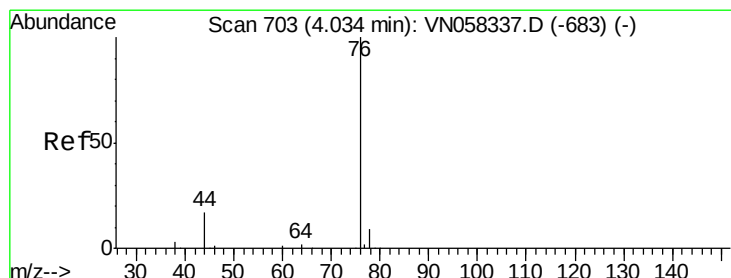
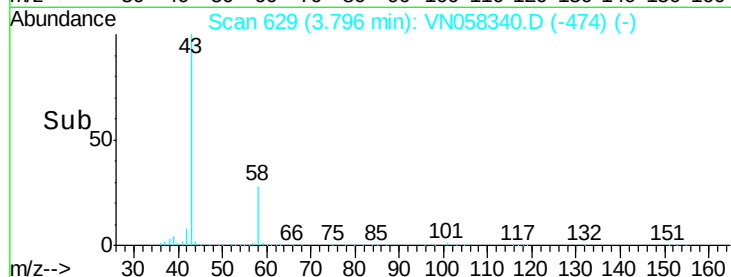
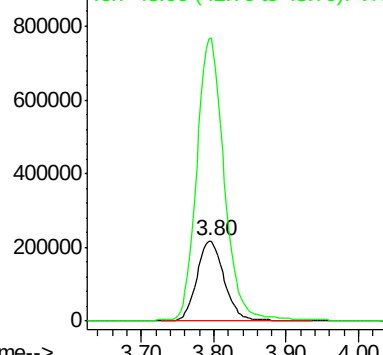
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 189.476 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058340.D

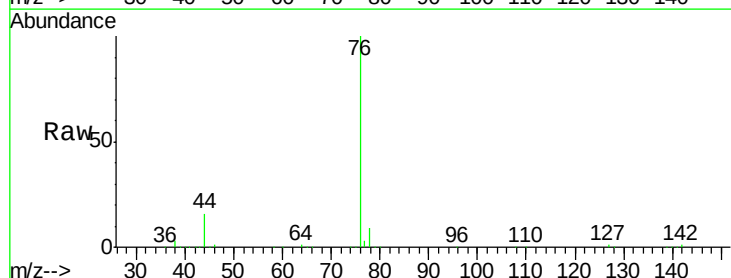
Acq: 24 Sep 2019 11:37

Tgt Ion: 76 Resp: 2324573

Ion Ratio Lower Upper

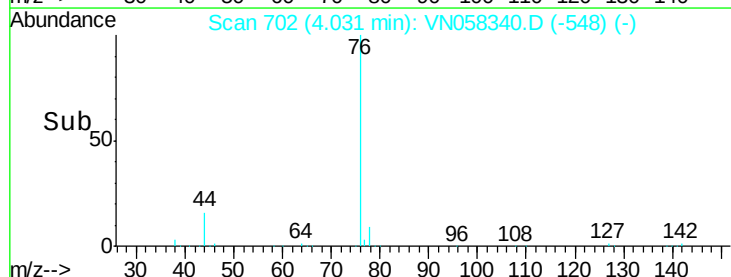
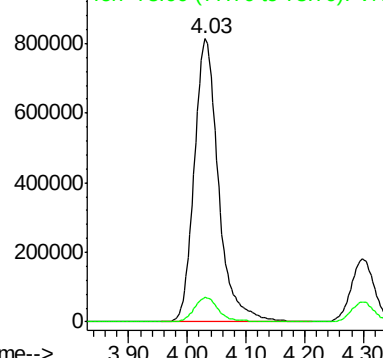
76 100

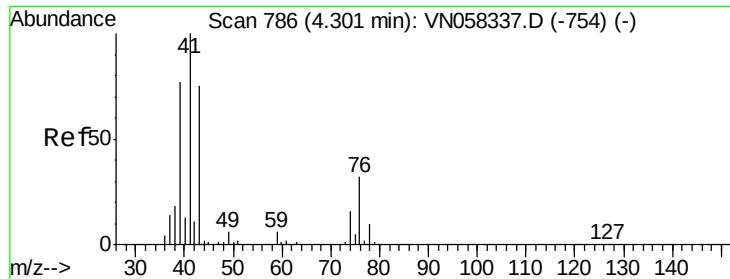
78 8.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





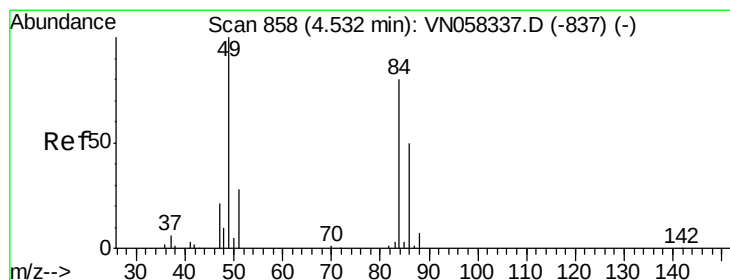
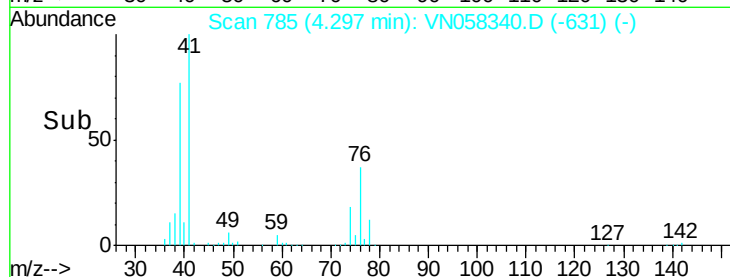
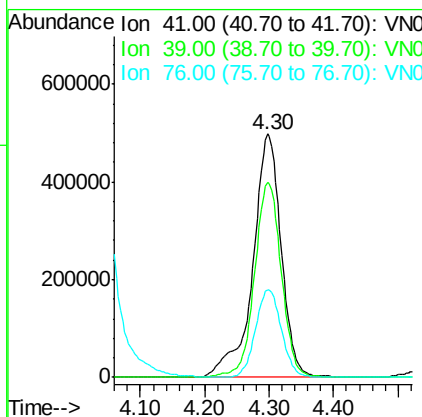
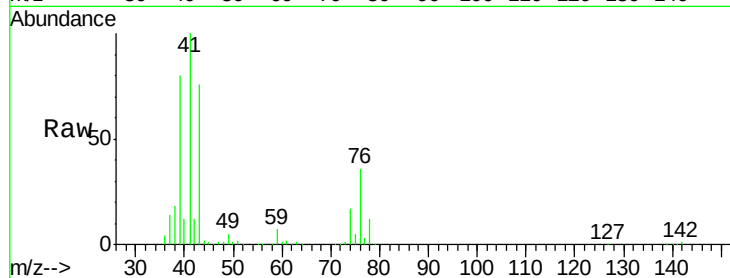
#17
Allvl chloride
Concen: 162.095 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 1525988
Ion Ratio Lower Upper
41 100
39 80.0 38.7 116.1
76 36.0 16.4 49.1

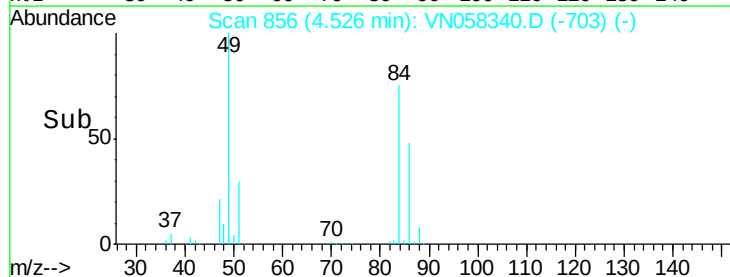
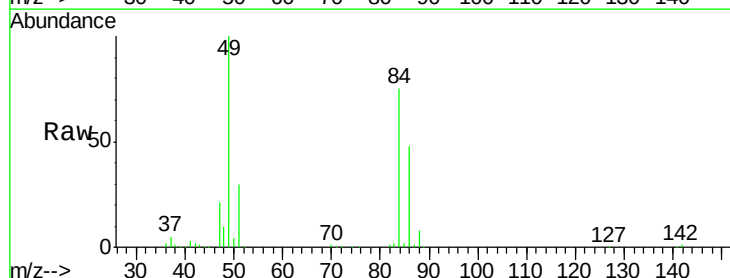
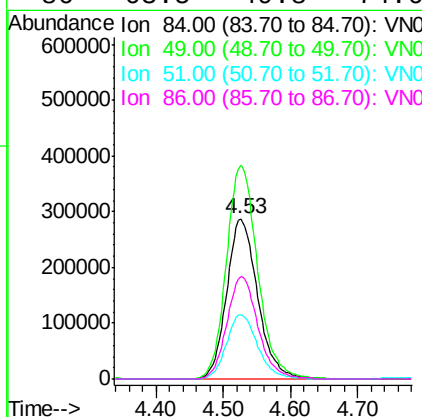
Manual Integrations
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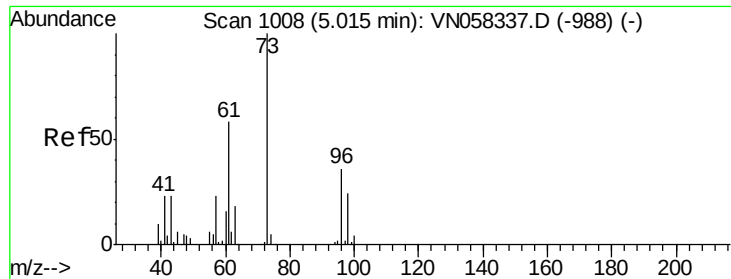
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#18
Methylene Chloride
Concen: 144.561 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 84 Resp: 919931
Ion Ratio Lower Upper
84 100
49 133.1 99.8 149.6
51 40.2 28.3 42.5
86 63.5 49.8 74.6





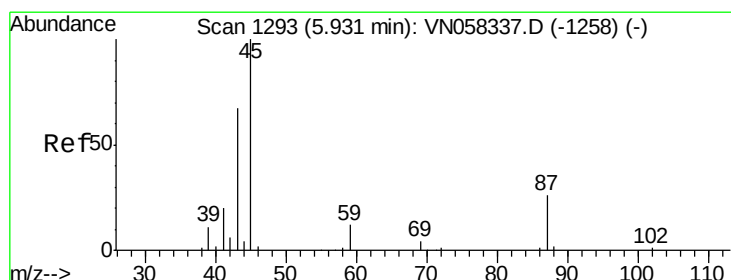
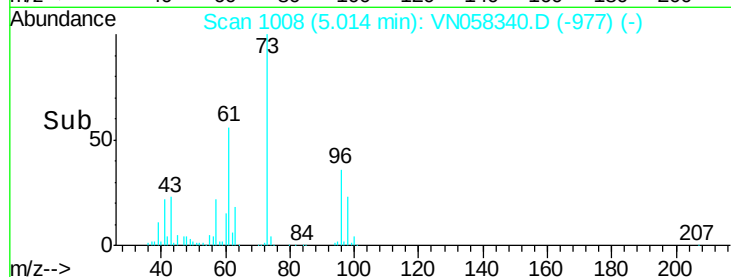
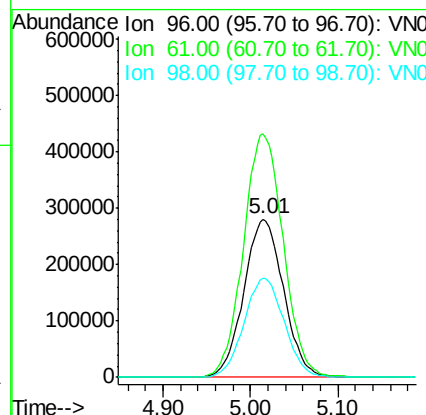
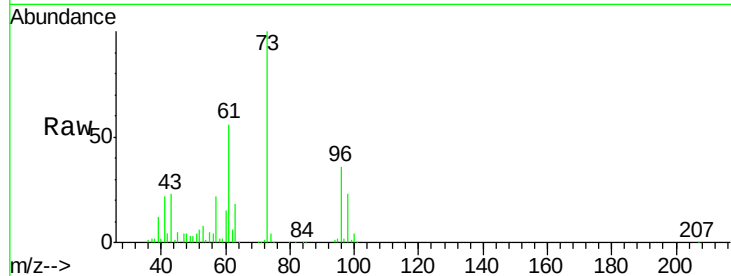
#19
trans-1,2-Dichloroethene
Concen: 155.142 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.7	128.0	192.0
98	62.6	53.0	79.6

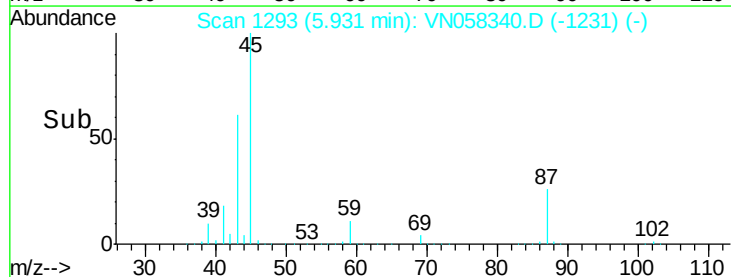
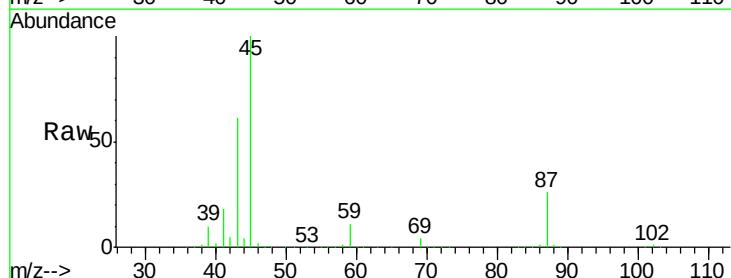
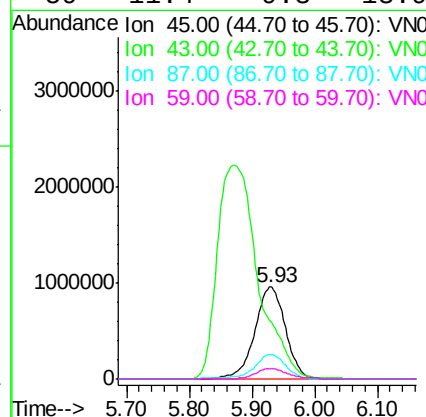
Manual Integrations
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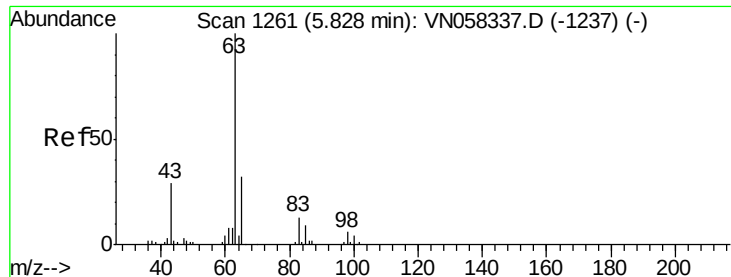
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#20
Diisopropyl ether
Concen: 151.641 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	54.1	81.1
87	26.4	21.4	32.2
59	11.4	9.3	13.9





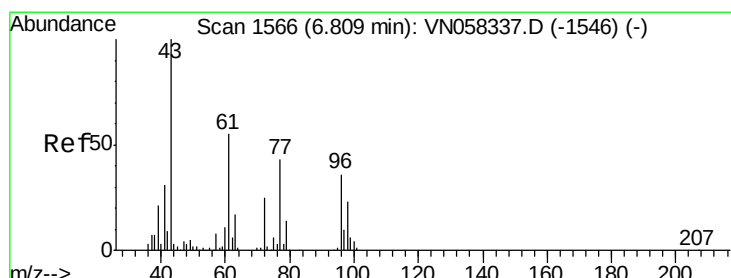
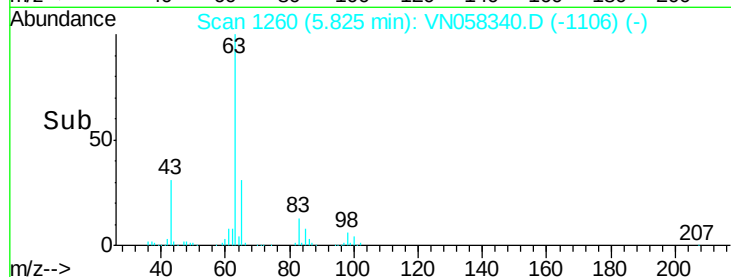
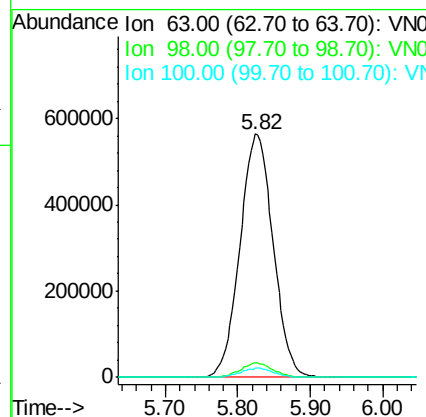
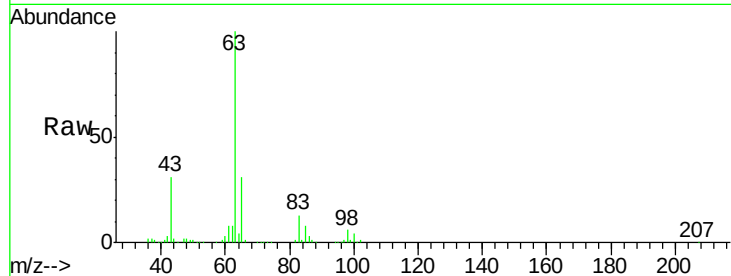
#21
 1,1-Dichloroethane
 Concen: 151.266 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.0	9.2
100	3.8	2.1	6.5

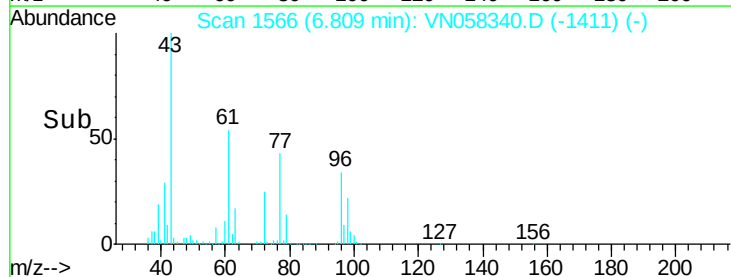
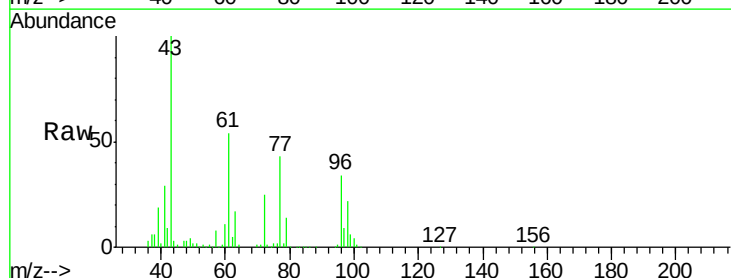
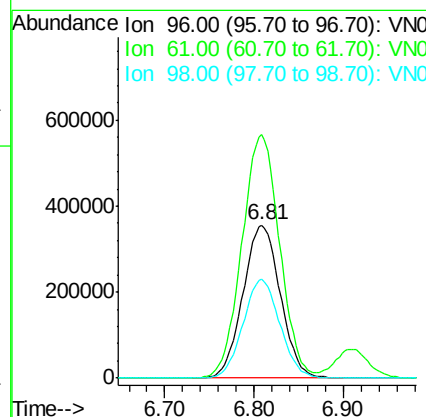
Manual Integrations
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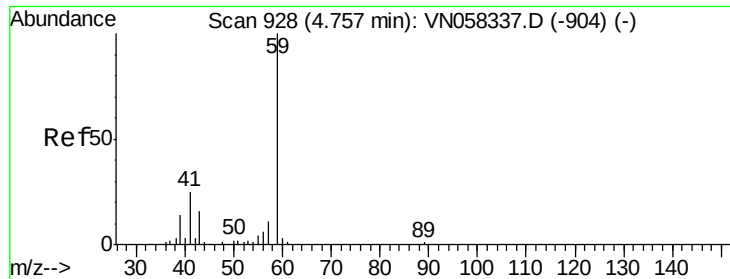
MMDadoda
 9/25/2019 8:23:54 AM



#22
 cis-1,2-Dichloroethene
 Concen: 150.039 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	128.2	192.2
98	64.1	50.6	76.0





#23

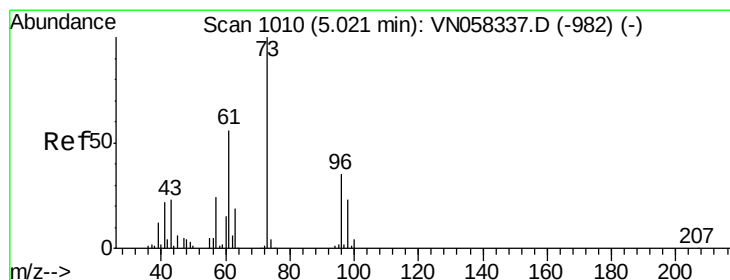
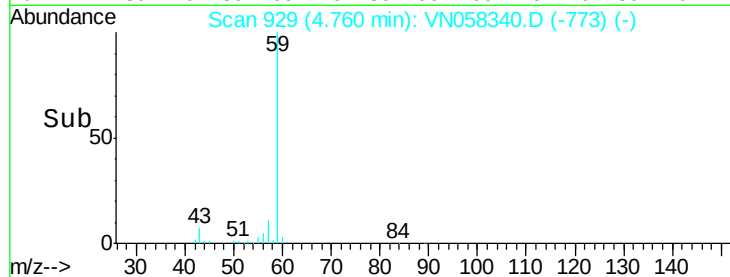
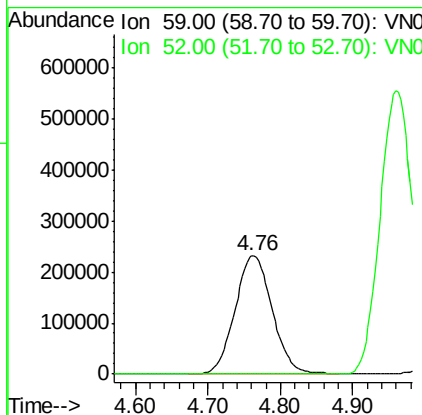
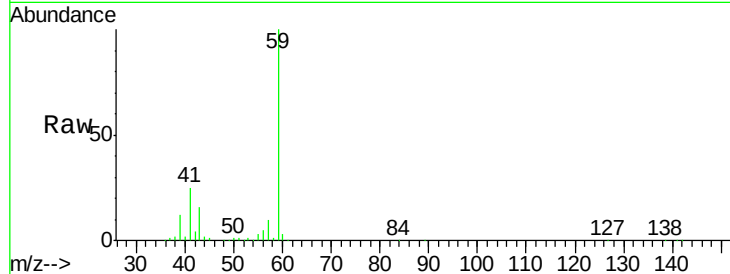
tert-Butyl Alcohol
 Concen: 882.697 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.1	0.1	0.1	0.1

Manual Integrations
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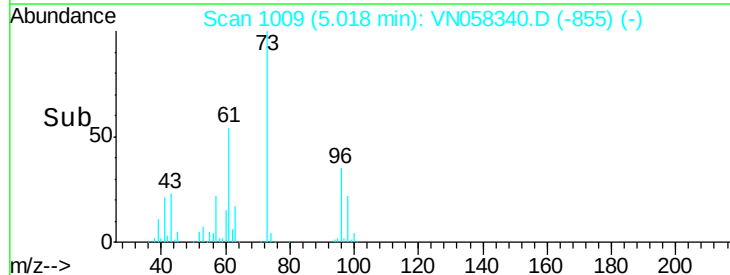
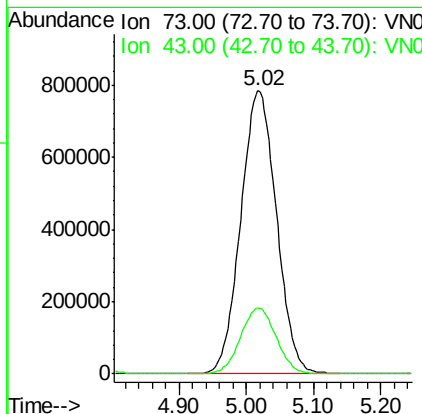
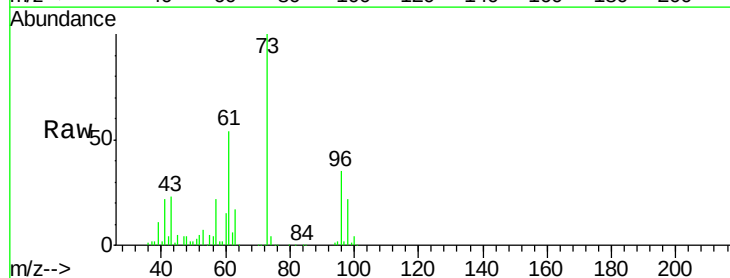
MMDadoda
 9/25/2019 8:23:54 AM

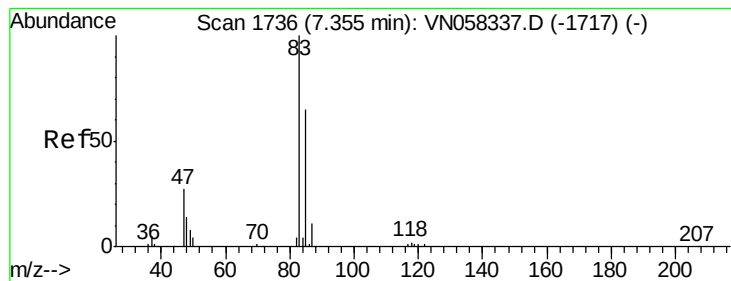


#24

Methyl tert-Butyl Ether
 Concen: 150.080 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	23.0	18.4	27.6	





#25

Chloroform

Concen: 147.973 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1788471

Ion Ratio Lower Upper

83 100

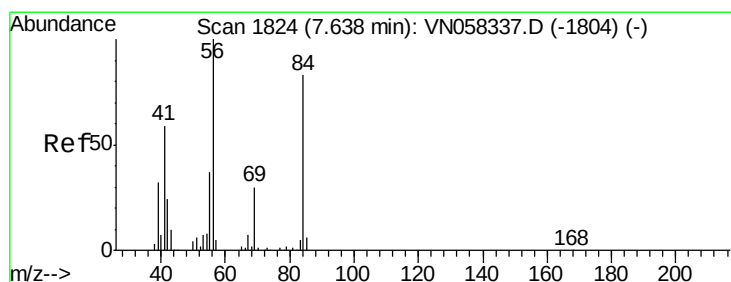
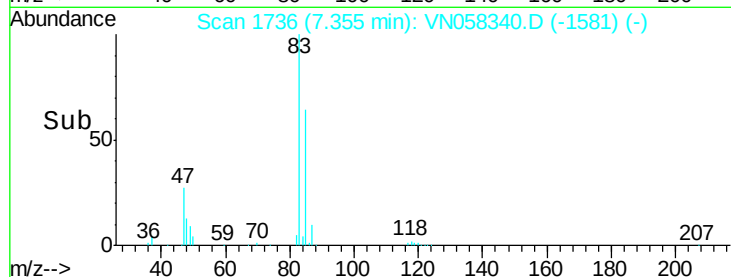
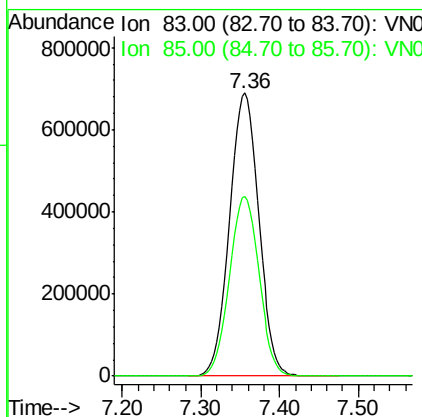
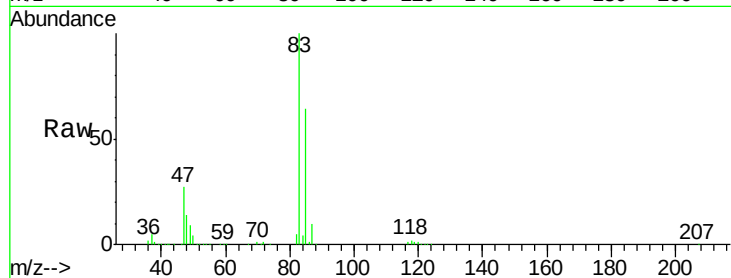
85 63.6 51.8 77.6

Manual Integrations

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#26

Cyclohexane

Concen: 162.426 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

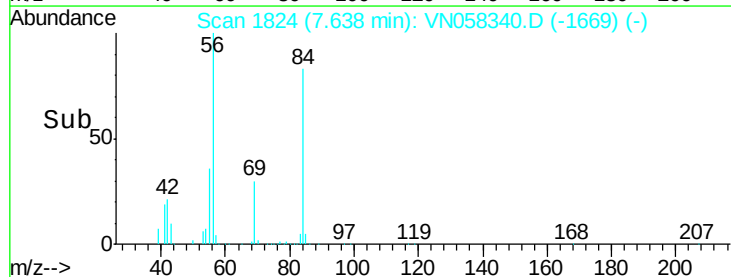
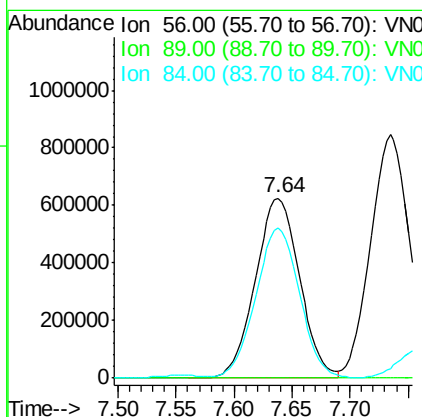
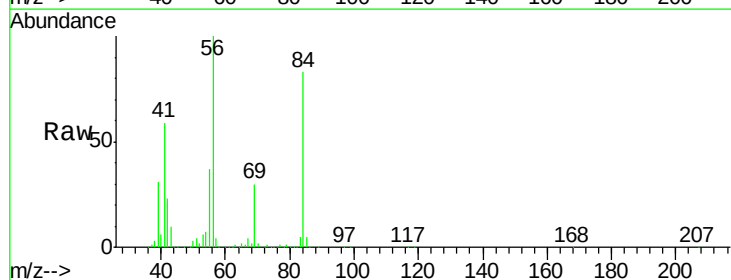
Tgt Ion: 56 Resp: 1661499

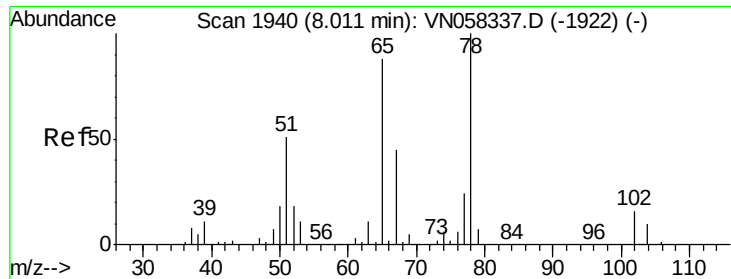
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1#

84 82.7 66.9 100.3





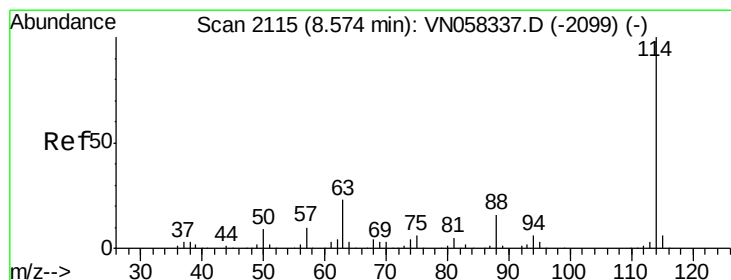
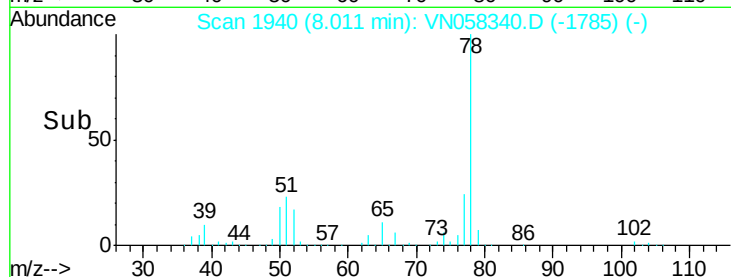
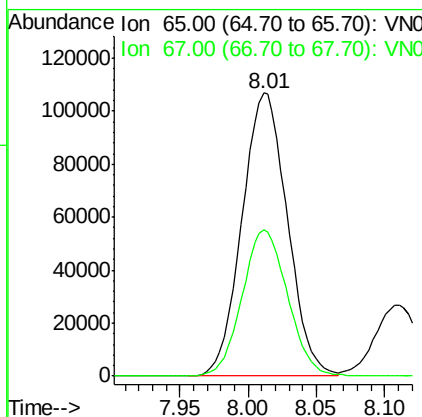
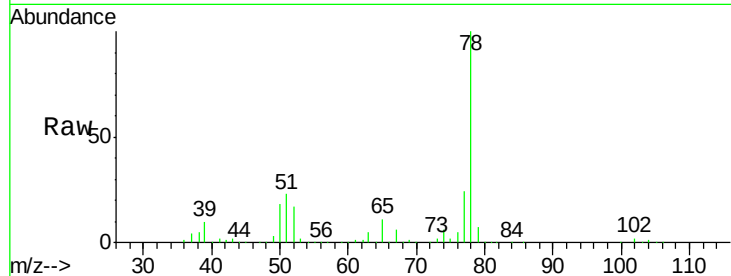
#27
 1,2-Dichloroethane-d4
 Concen: 29.431 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	40.4	60.6

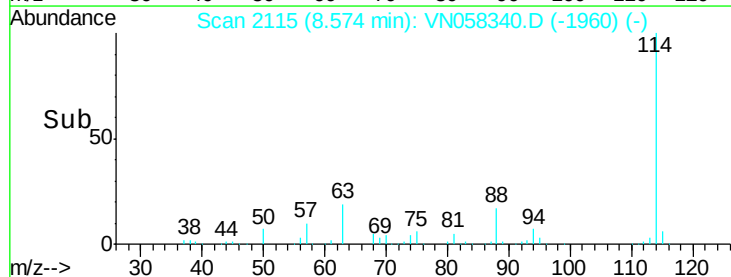
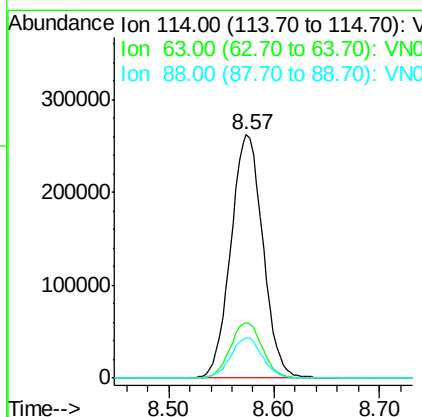
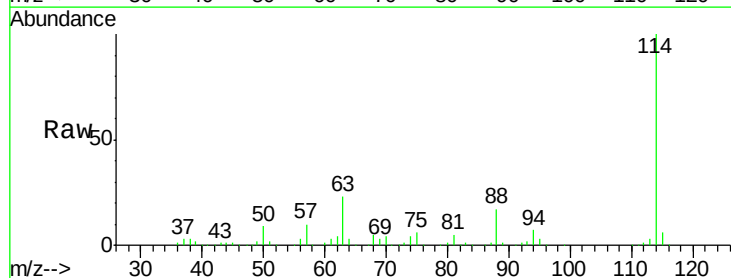
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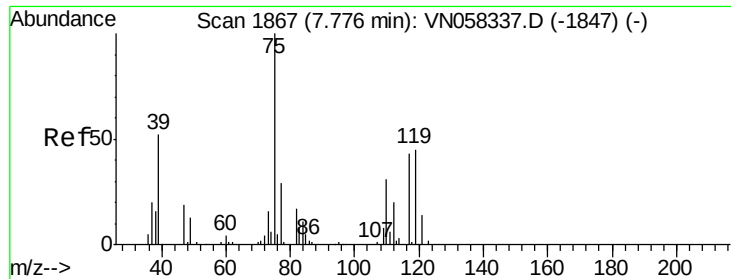
MMDadoda
 9/25/2019 8:23:54 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	17.8	26.8
88	16.3	12.7	19.1





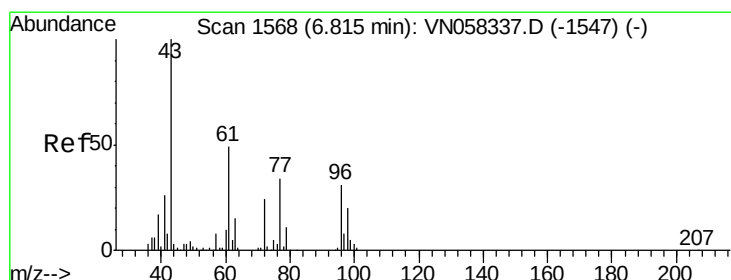
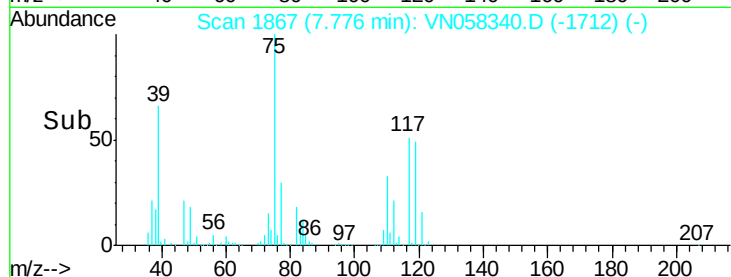
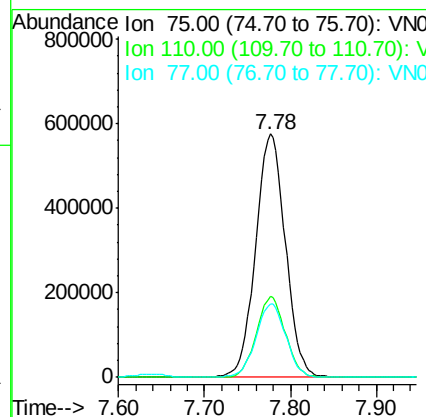
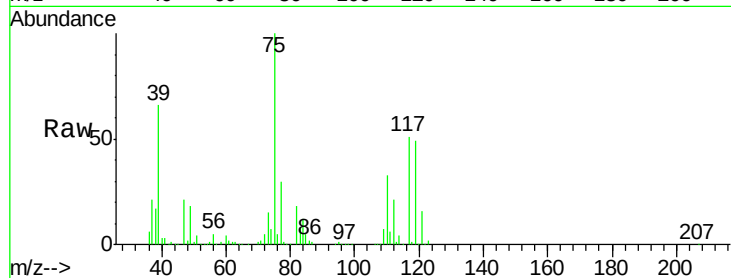
#29
 1,1-Dichloropropene
 Concen: 157.642 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.4	0.0	63.6
77	30.6	0.0	59.4

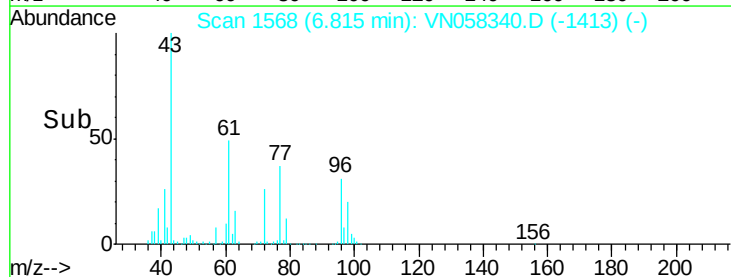
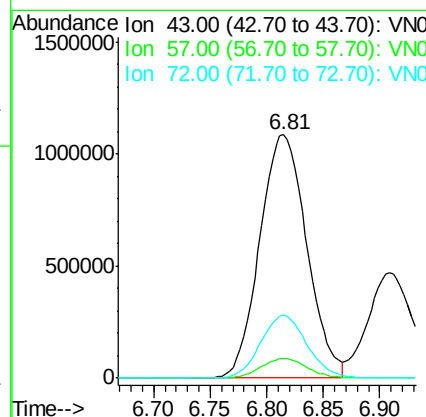
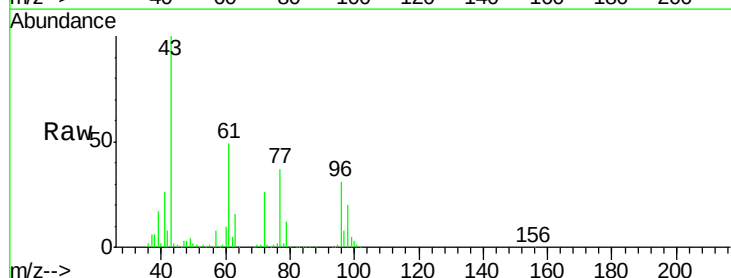
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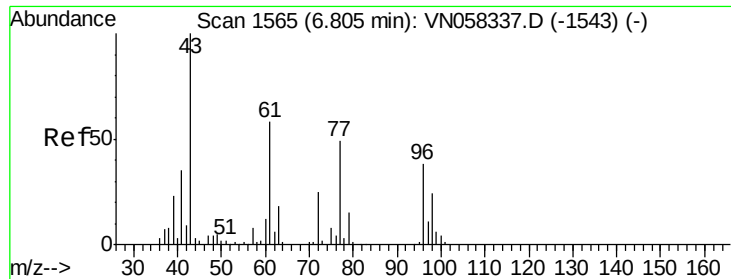
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#30
 2-Butanone
 Concen: 790.612 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.2	9.4
72	25.5	20.3	30.5





#31

2,2-Dichloropropane

Concen: 157.533 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 77 Resp: 1463078

Ion Ratio Lower Upper

77 100

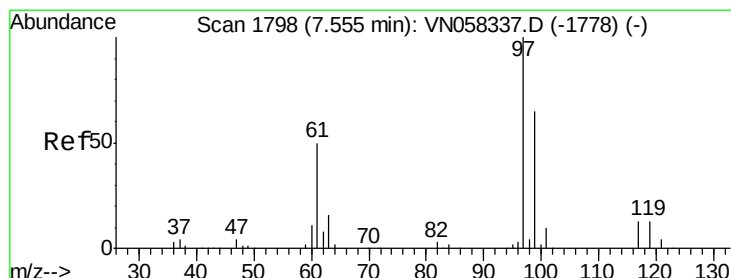
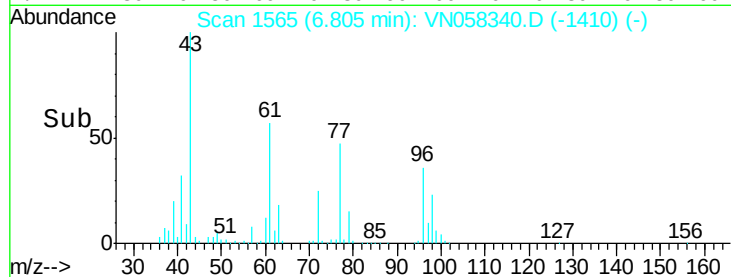
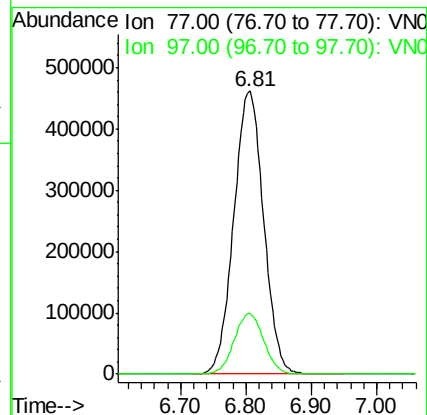
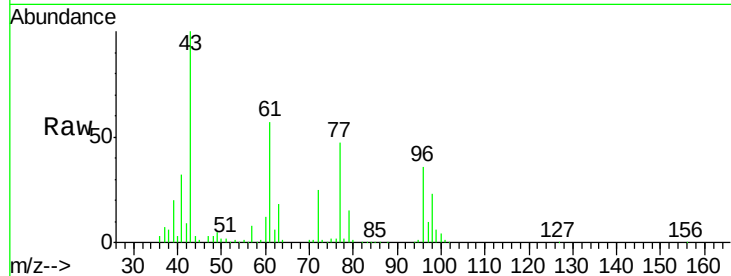
97 21.4 17.6 26.4

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#32

1,1,1-Trichloroethane

Concen: 157.967 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

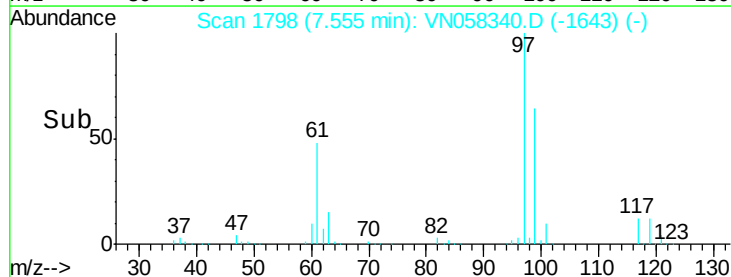
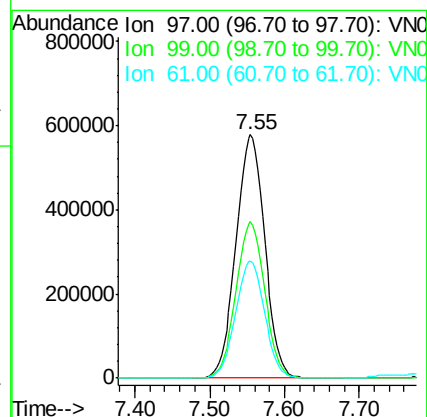
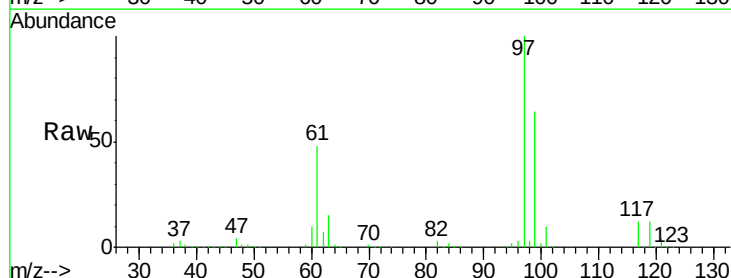
Tgt Ion: 97 Resp: 1549904

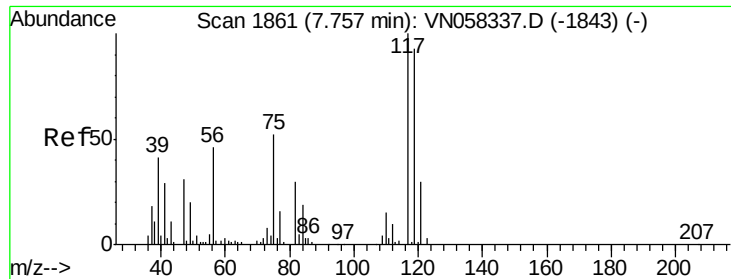
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 48.5 39.4 59.2





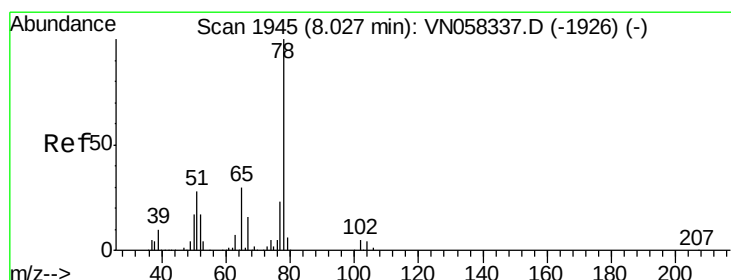
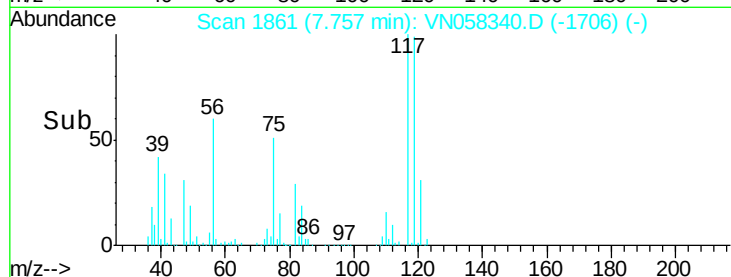
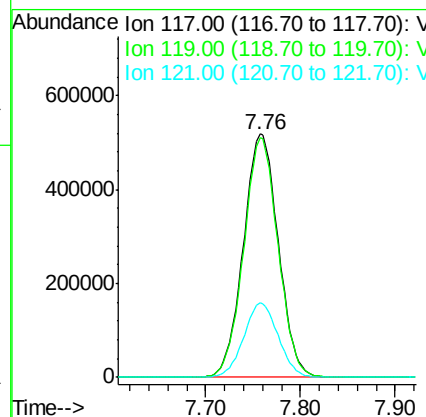
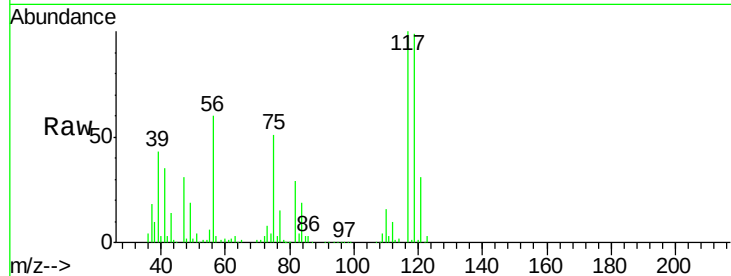
#33
Carbon Tetrachloride
Concen: 163.498 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.5	74.2	111.4
121	30.6	23.9	35.9

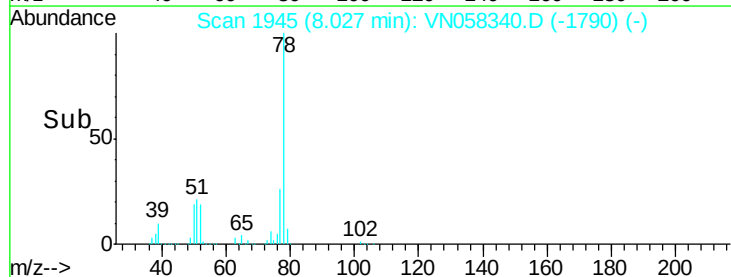
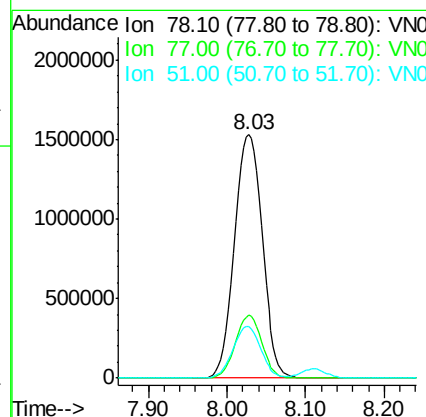
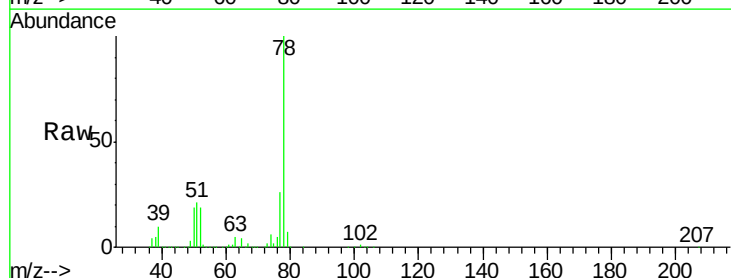
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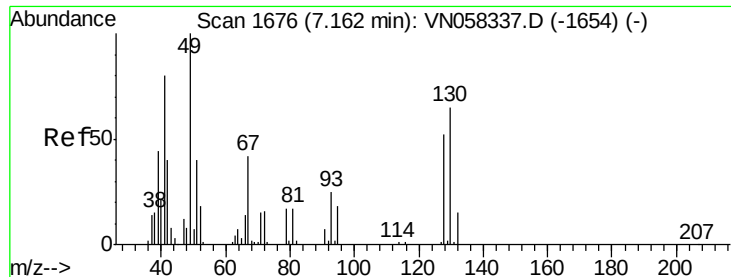
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#34
Benzene
Concen: 146.045 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.7	18.8	28.2
51	21.2	22.4	33.6





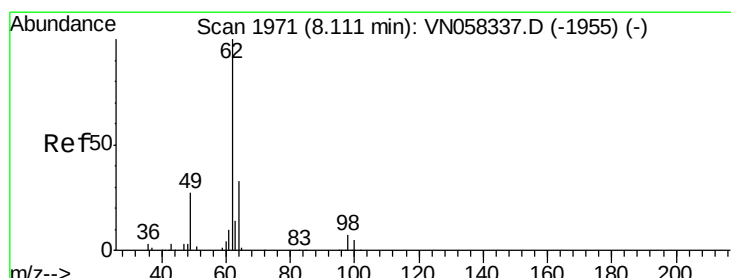
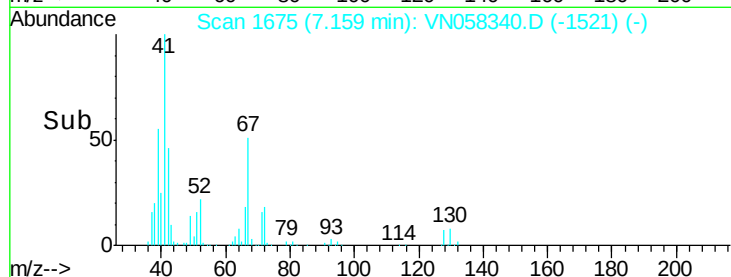
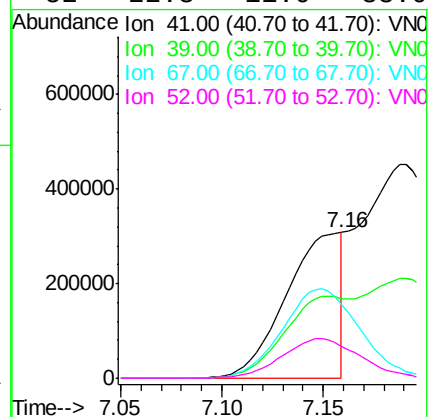
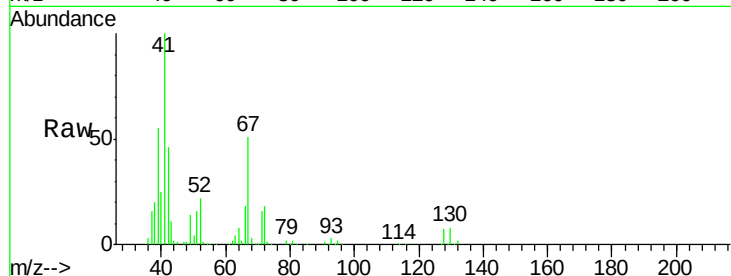
#35
Methacrylonitrile
Concen: 158.397 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	591627
Ion	Ratio	Lower	Upper
41	100		
39	55.0	27.3	81.9
67	51.1	26.3	78.9
52	22.3	11.0	33.0

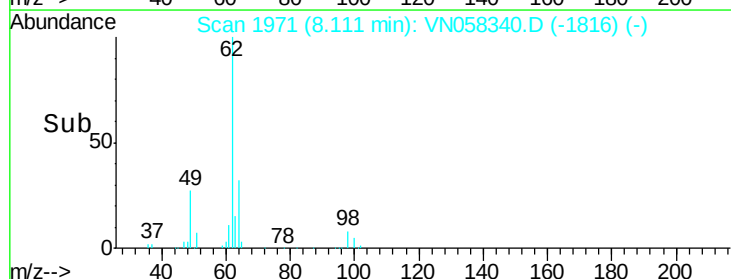
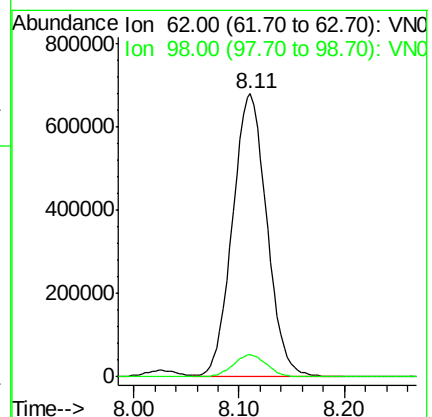
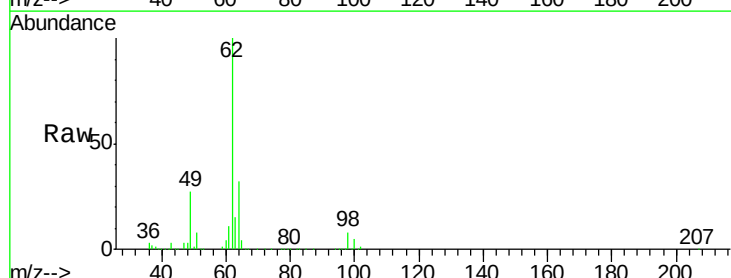
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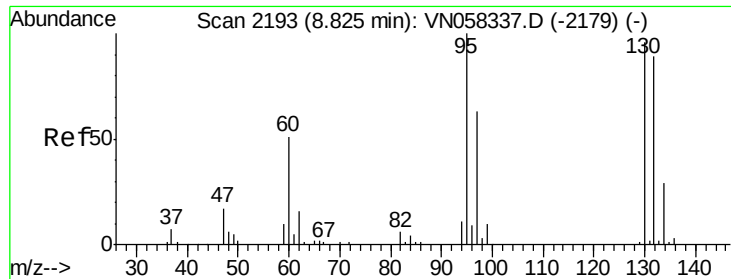
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#36
1,2-Dichloroethane
Concen: 152.447 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion	62	Resp	1529961
Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.0	9.0





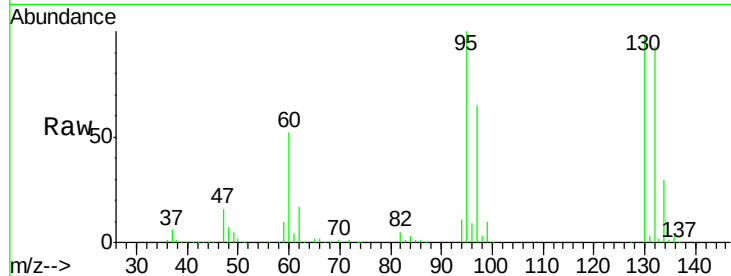
#37
 Trichloroethene
 Concen: 154.548 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

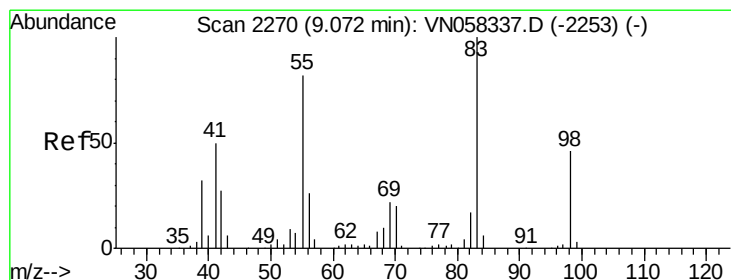
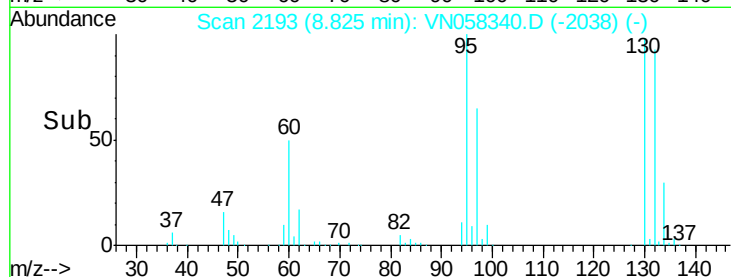
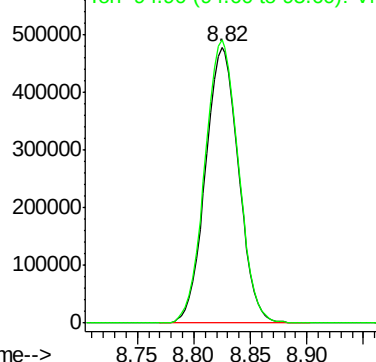
Tot Ion	Ratio	Lower	Upper
130	100		
95	102.5	83.3	124.9

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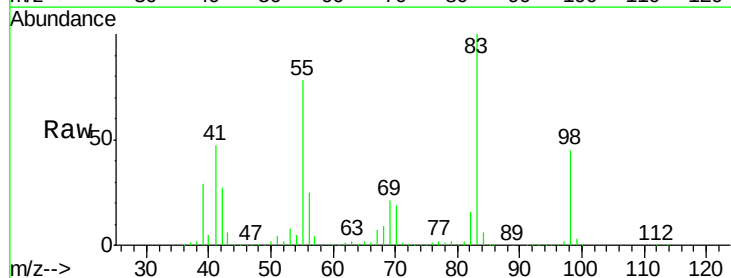


Abundance Ion 129.90 (129.60 to 130.60): V

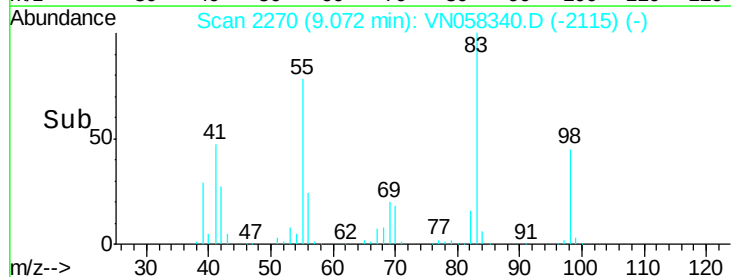
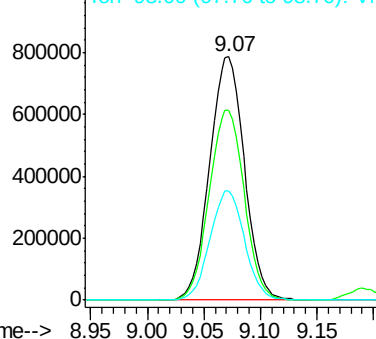


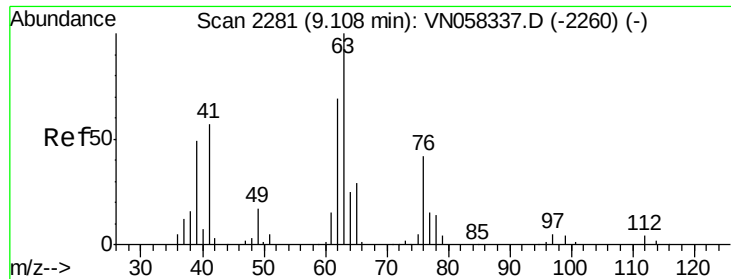
#38
 Methylcyclohexane
 Concen: 166.580 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.5	40.5	121.4
98	44.7	23.1	69.2



Abundance Ion 83.00 (82.70 to 83.70): VN





#39

1,2-Dichloropropane

Concen: 147.535 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1064754

Ion Ratio Lower Upper

63 100

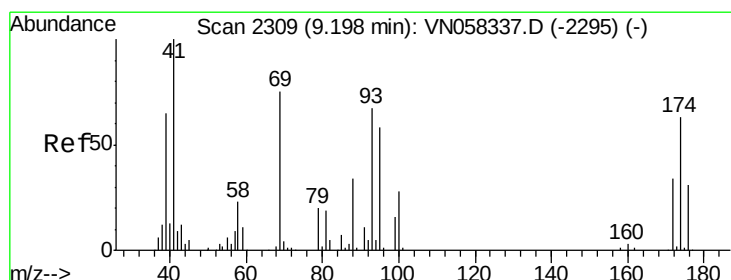
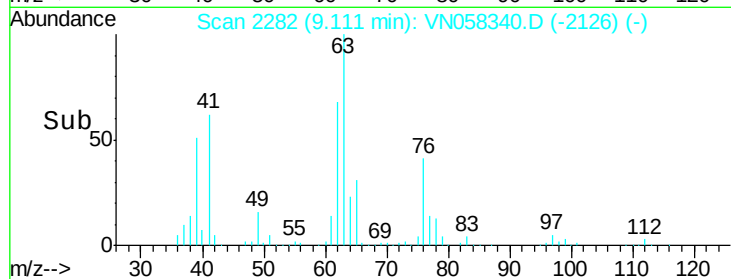
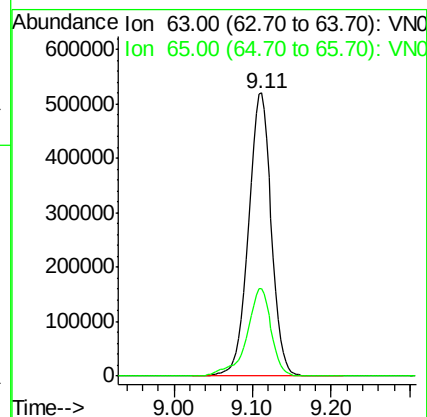
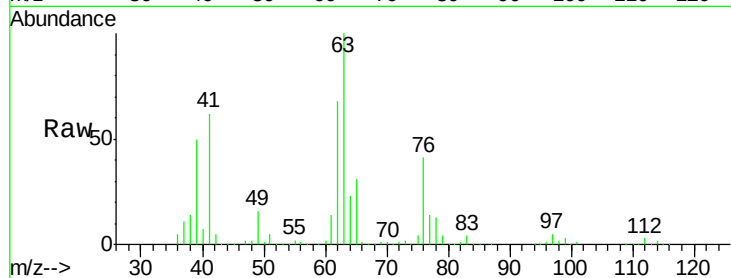
65 31.0 23.4 35.0

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#40

Dibromomethane

Concen: 152.278 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

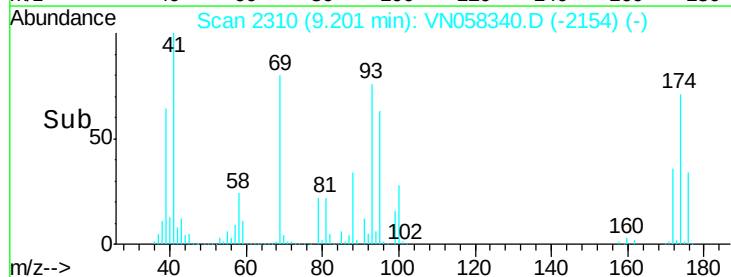
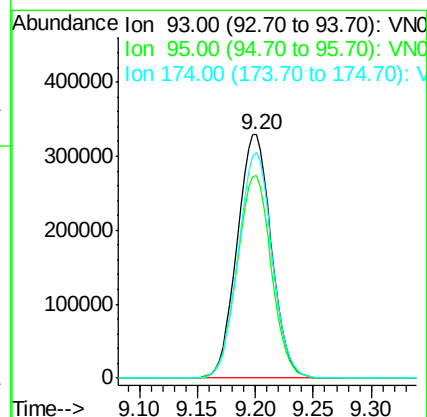
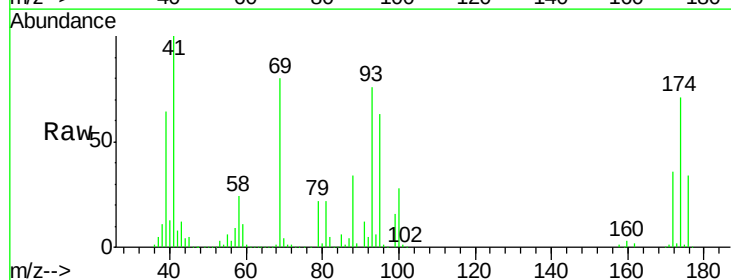
Tgt Ion: 93 Resp: 672344

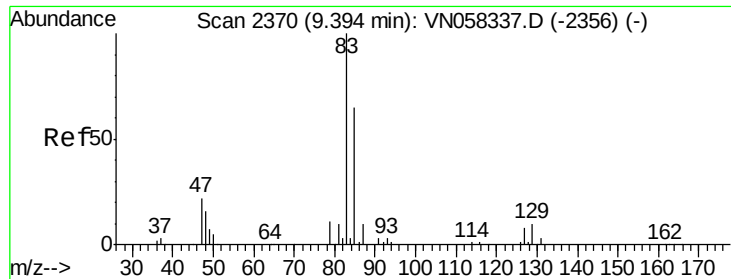
Ion Ratio Lower Upper

93 100

95 83.2 0.0 166.8

174 92.0 0.0 187.2





#41

Bromodichloromethane

Concen: 157.867 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1406012

Ion Ratio Lower Upper

83 100

85 63.7 52.0 78.0

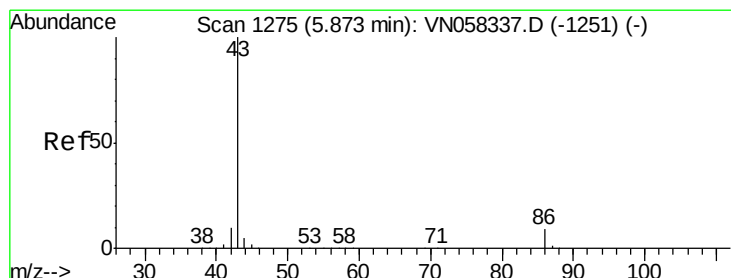
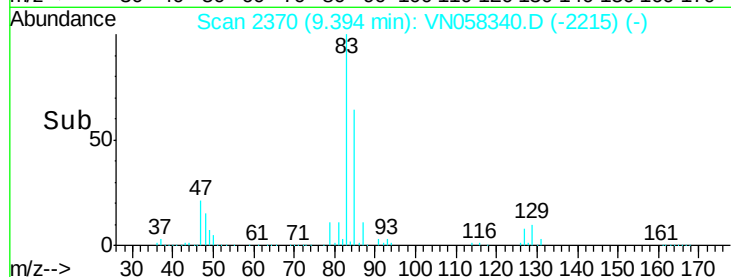
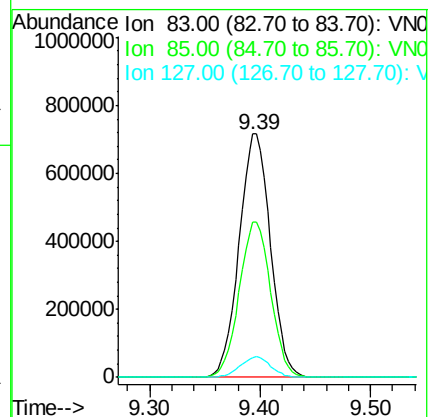
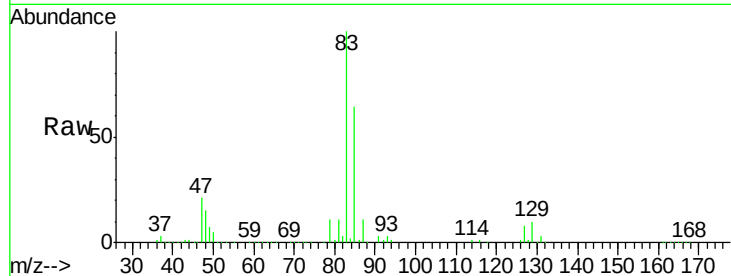
127 8.3 6.1 9.1

Manual Integrations

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#42

Vinyl Acetate

Concen: 632.787 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058340.D

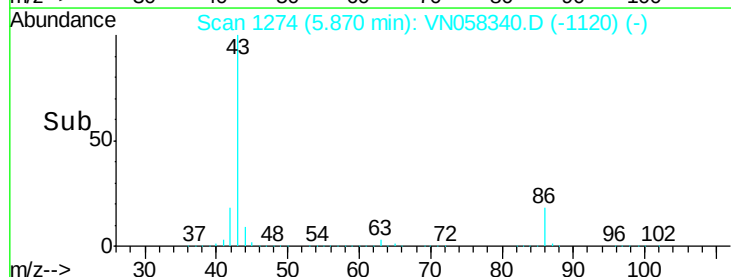
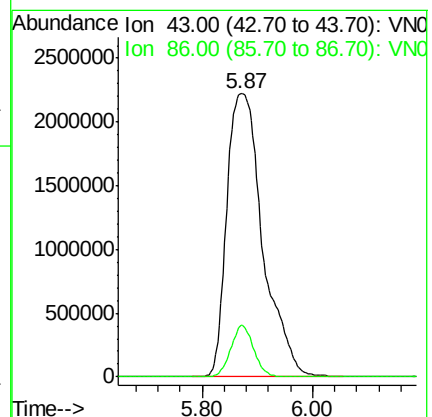
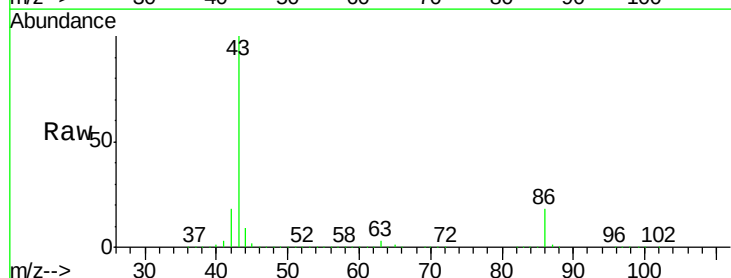
Acq: 24 Sep 2019 11:37

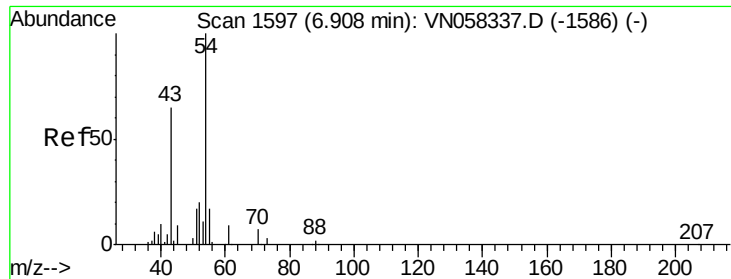
Tgt Ion: 43 Resp:10035588

Ion Ratio Lower Upper

43 100

86 11.6 6.6 9.8#





#43

Ethyl Acetate

Concen: 164.027 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1312622

Ion Ratio Lower Upper

43 100

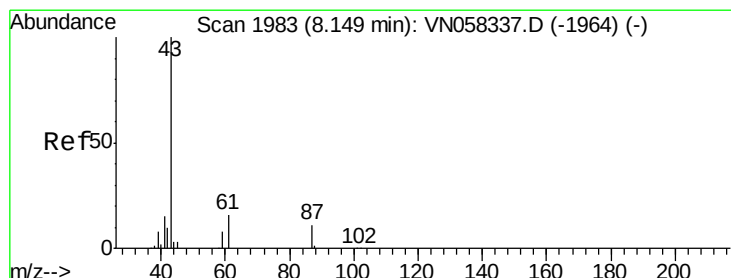
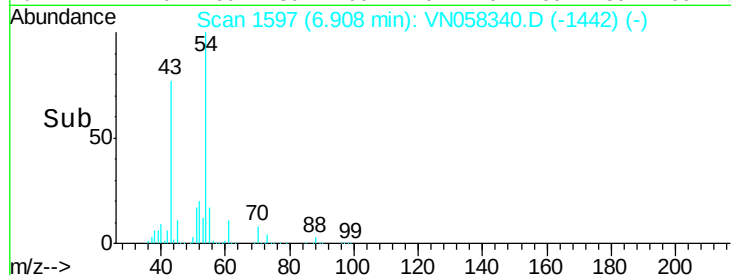
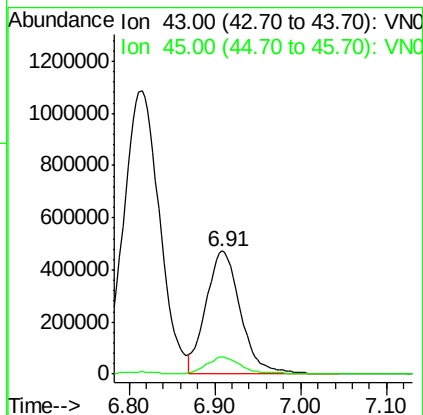
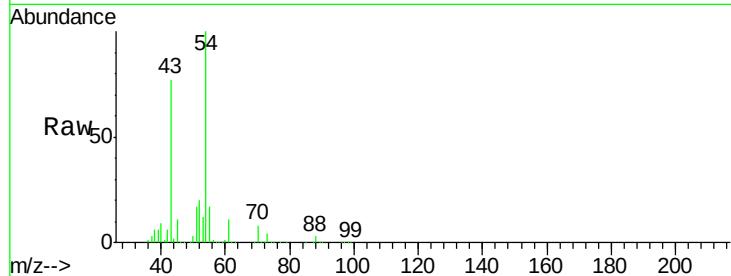
45 14.6 9.8 14.6

Manual Integrations

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#44

Isopropyl Acetate

Concen: 161.747 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058340.D

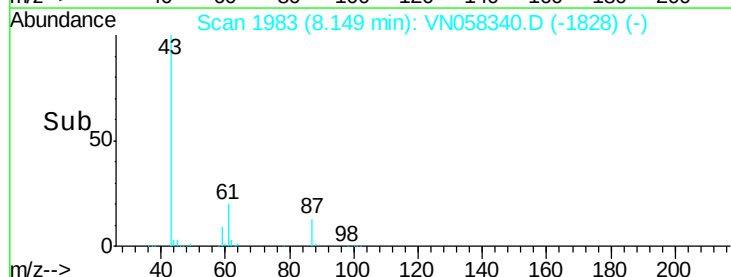
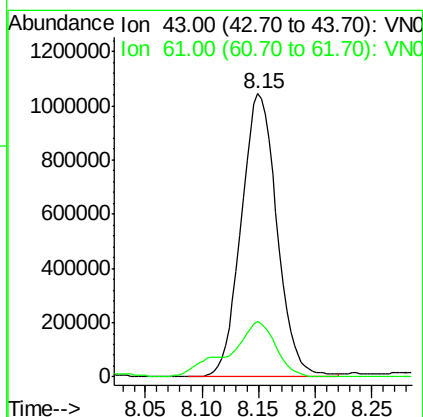
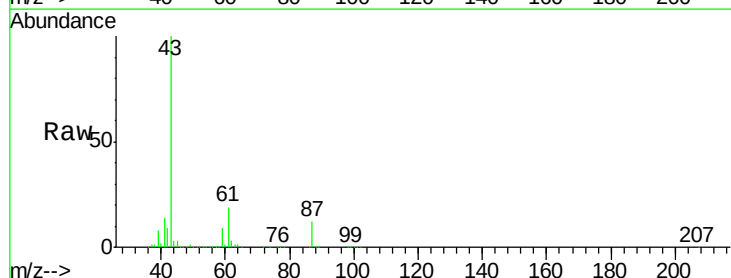
Acq: 24 Sep 2019 11:37

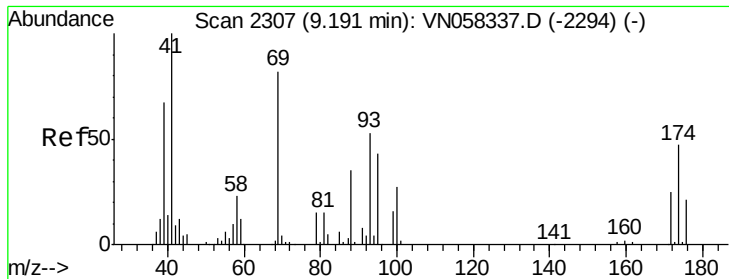
Tgt Ion: 43 Resp: 2296625

Ion Ratio Lower Upper

43 100

61 19.1 14.4 21.6





#45

1,4-Dioxane

Concen: 3285.997 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 373102

Ion Ratio Lower Upper

88 100

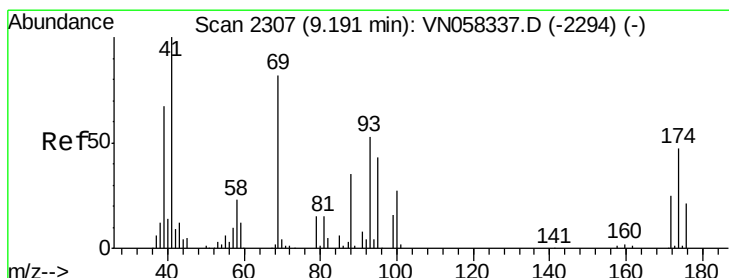
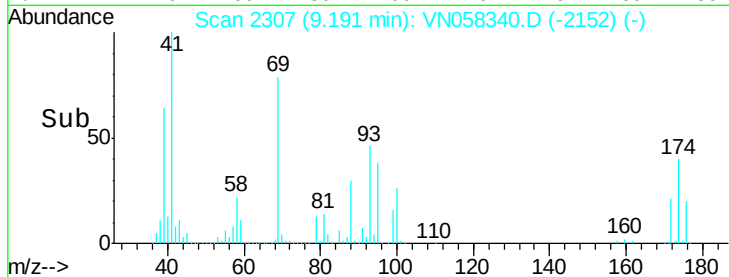
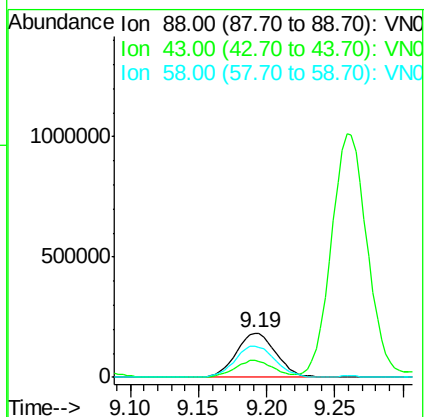
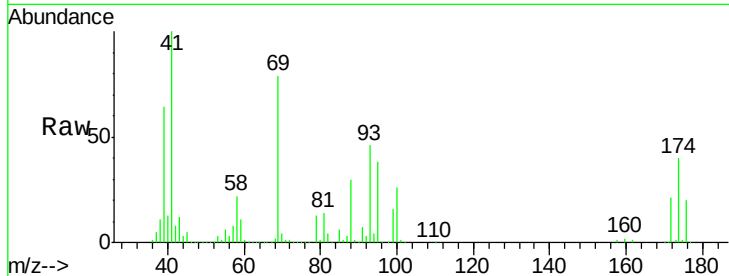
43 36.1 27.2 40.8

58 71.2 55.4 83.0

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#46

Methyl methacrylate

Concen: 161.888 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

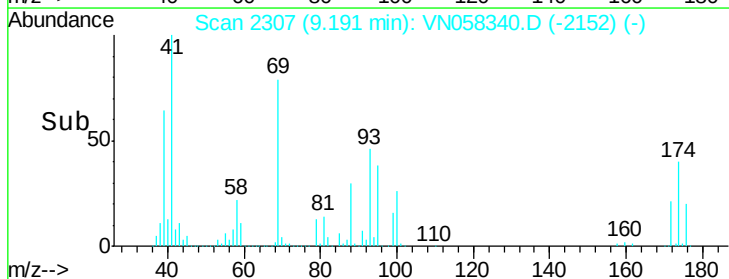
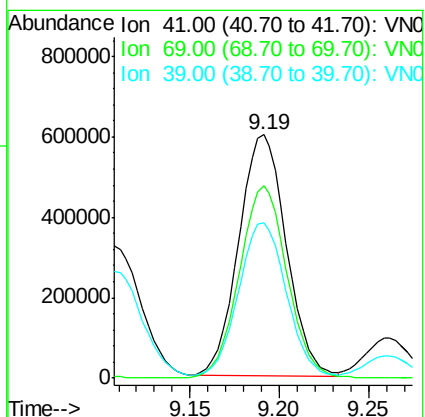
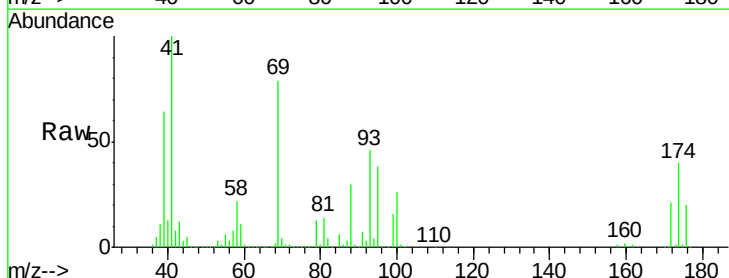
Tgt Ion: 41 Resp: 1111336

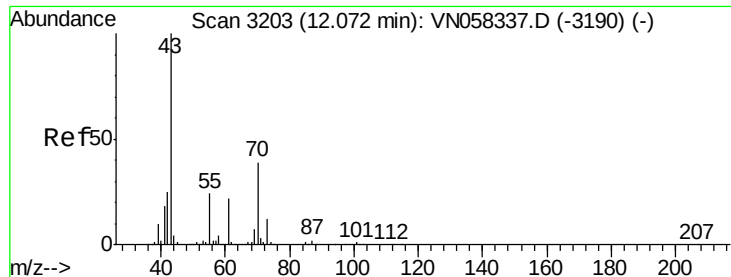
Ion Ratio Lower Upper

41 100

69 79.7 40.9 122.7

39 63.4 33.6 100.6





#47

n-amvl Acetate

Concen: 163.332 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2101269

Ion Ratio Lower Upper

43 100

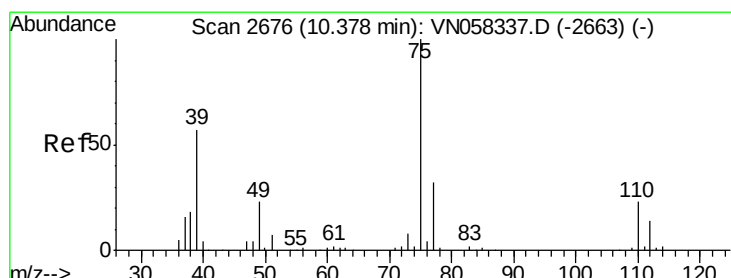
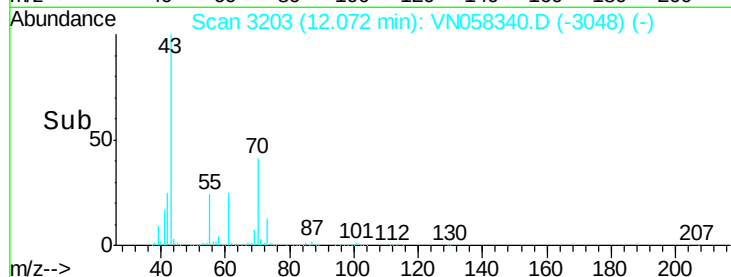
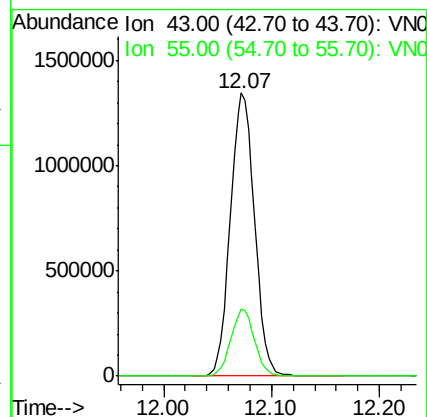
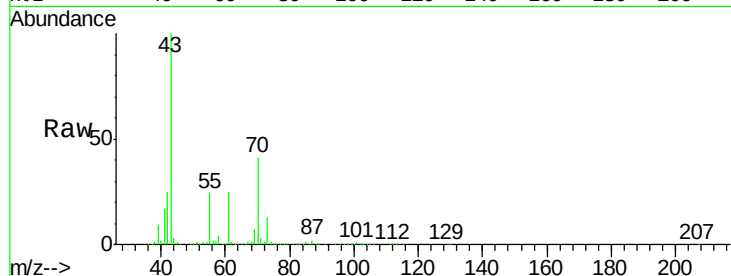
55 23.0 19.0 28.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 169.239 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058340.D

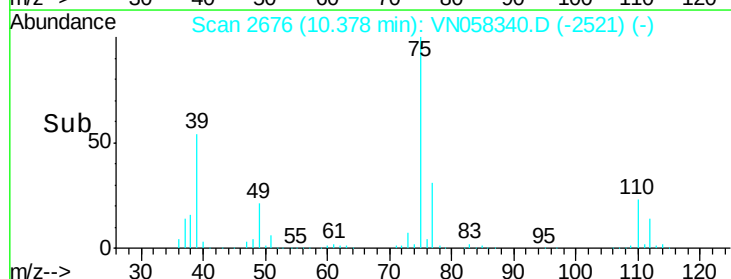
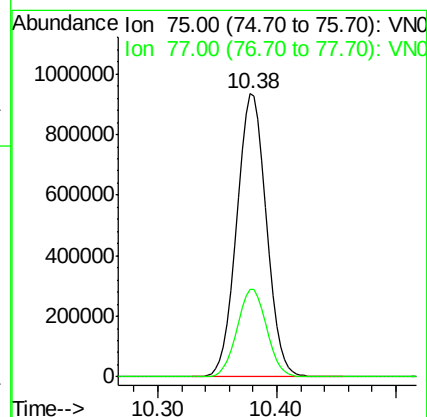
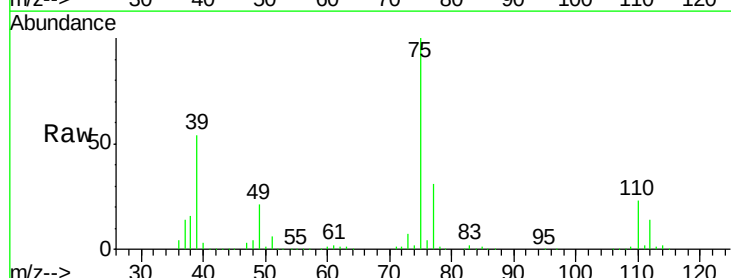
Acq: 24 Sep 2019 11:37

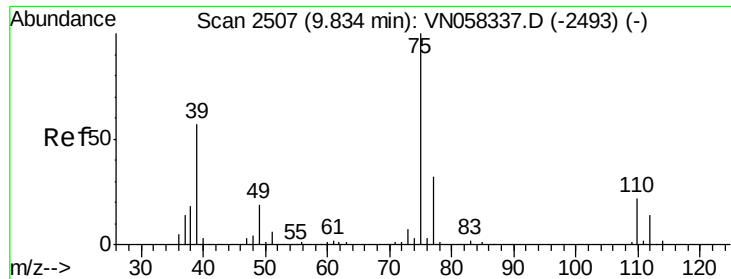
Tgt Ion: 75 Resp: 1613638

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0





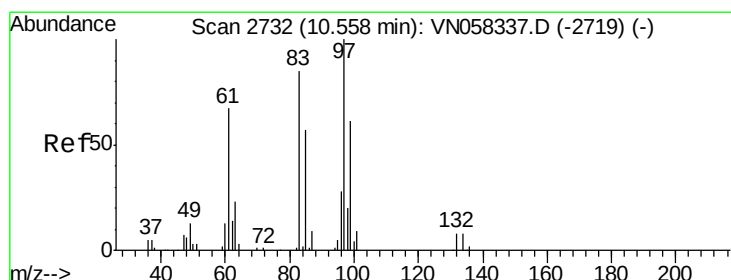
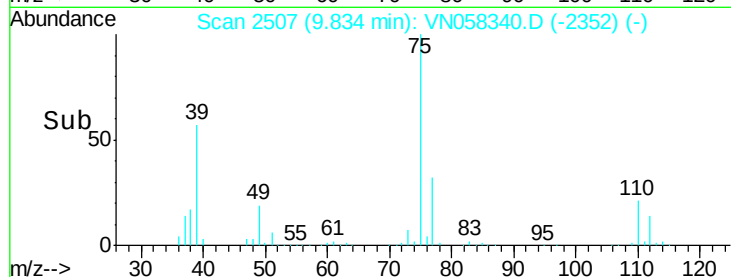
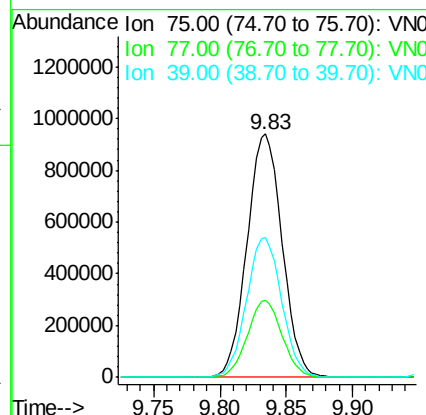
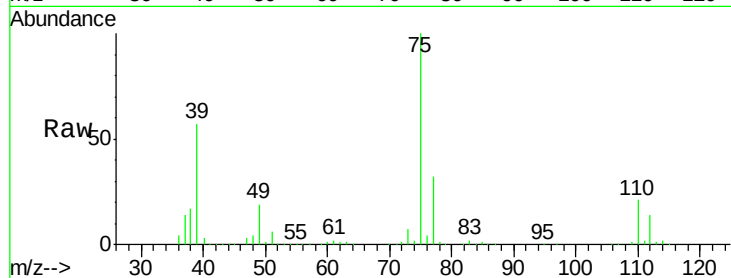
#49
 cis-1,3-Dichloropropene
 Concen: 161.502 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	57.3	45.8	68.6

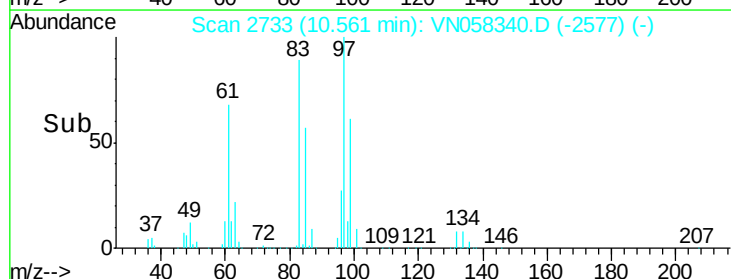
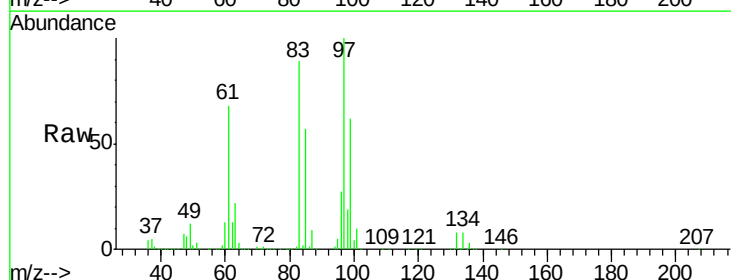
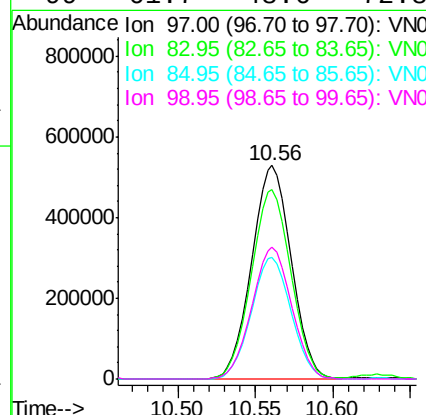
Manual Integrations
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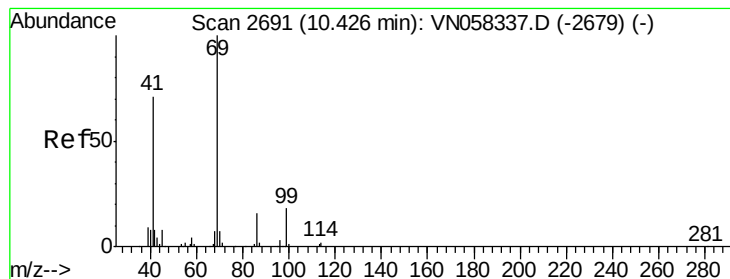
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#50
 1,1,2-Trichloroethane
 Concen: 148.211 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.8	101.6
85	57.0	45.8	68.6
99	61.7	48.6	72.8





#51

Ethyl methacrylate

Concen: 160.724 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 1595566

Ion Ratio Lower Upper

69 100

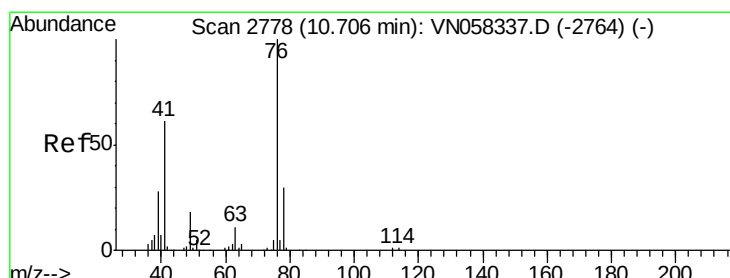
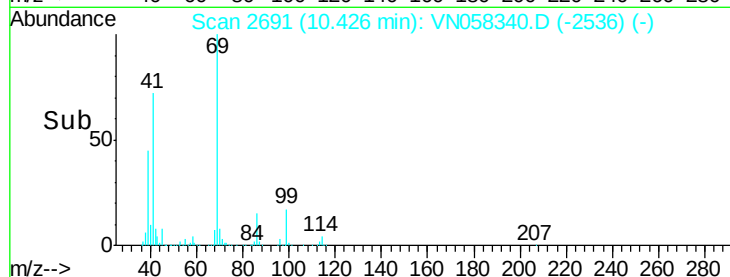
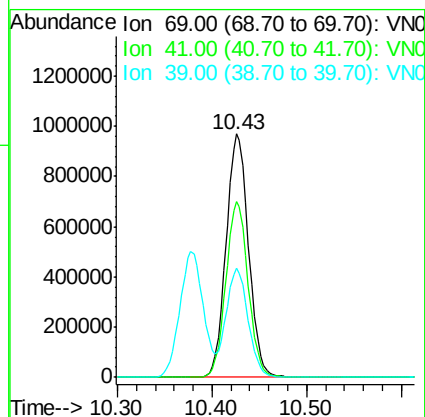
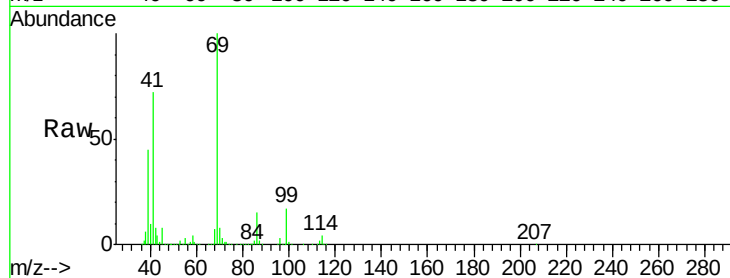
41 72.2 35.4 106.1

39 44.5 23.5 70.5

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#52

1,3-Dichloropropane

Concen: 150.322 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058340.D

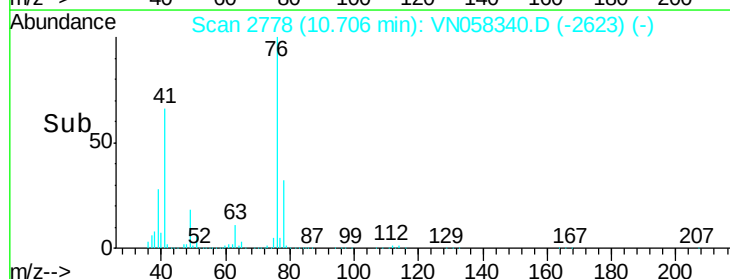
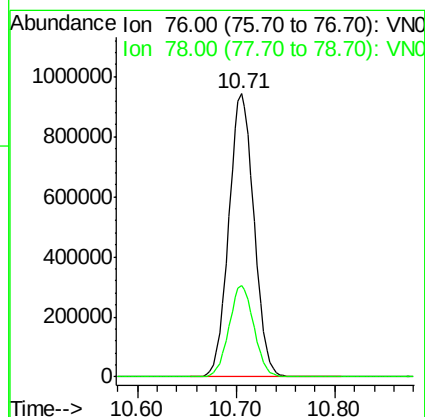
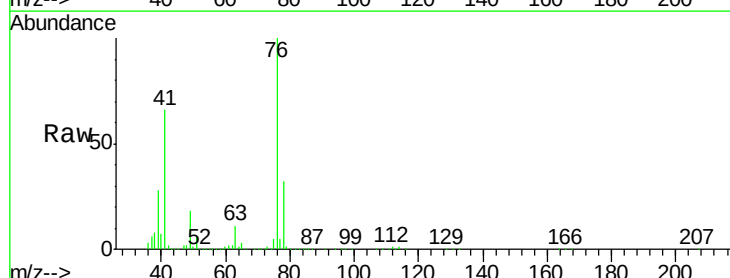
Acq: 24 Sep 2019 11:37

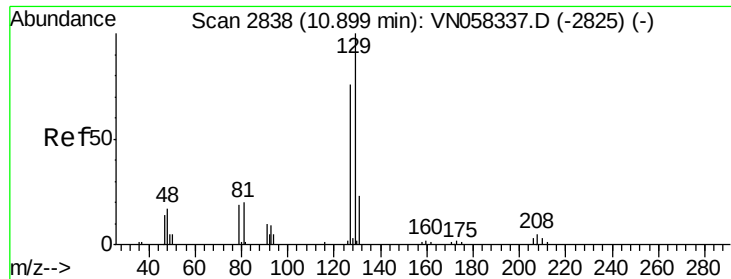
Tgt Ion: 76 Resp: 1682386

Ion Ratio Lower Upper

76 100

78 32.1 0.0 63.0





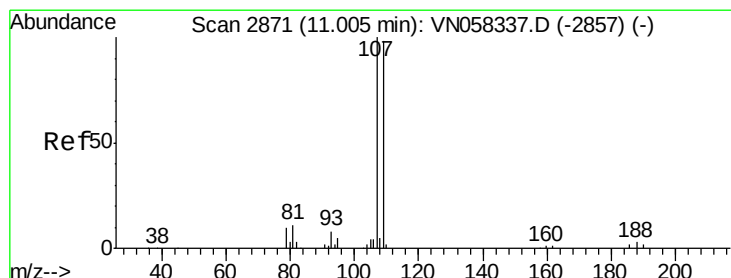
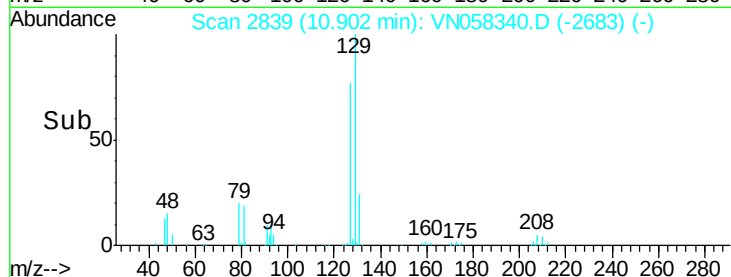
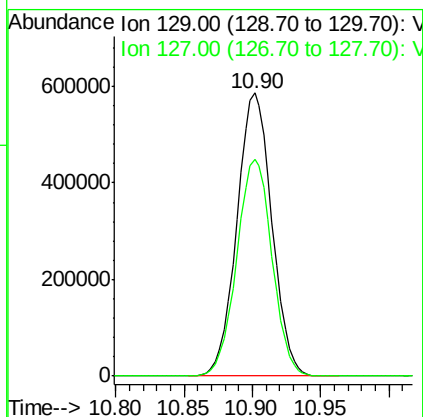
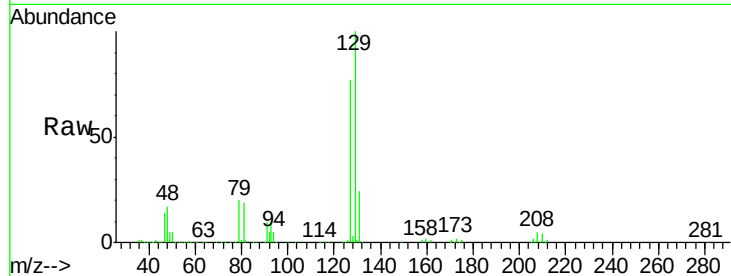
#53
Dibromochloromethane
Concen: 164.039 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:129 Resp: 1042980
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.2

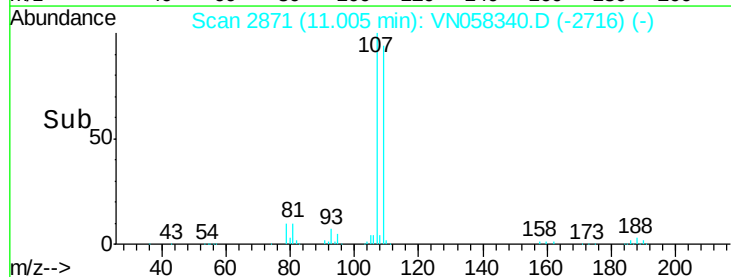
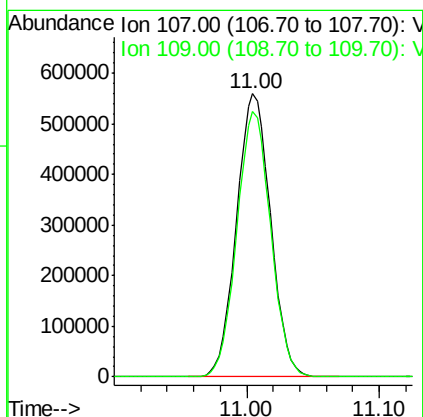
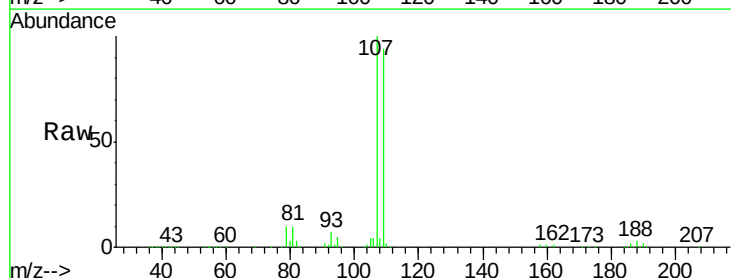
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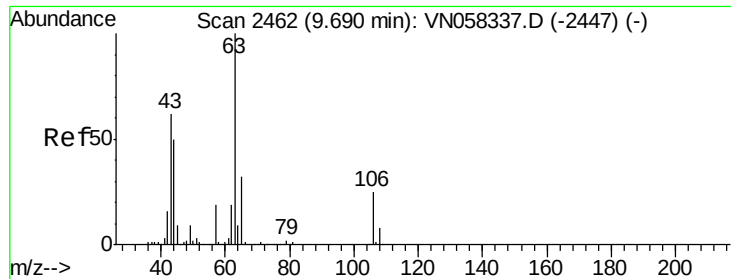
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#54
1,2-Dibromoethane
Concen: 156.332 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion:107 Resp: 996996
Ion Ratio Lower Upper
107 100
109 93.3 76.5 114.7





#55

2-Chloroethyl vinyl ether

Concen: 700.515 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 3195570

Ion Ratio Lower Upper

63 100

65 34.8 25.4 38.2

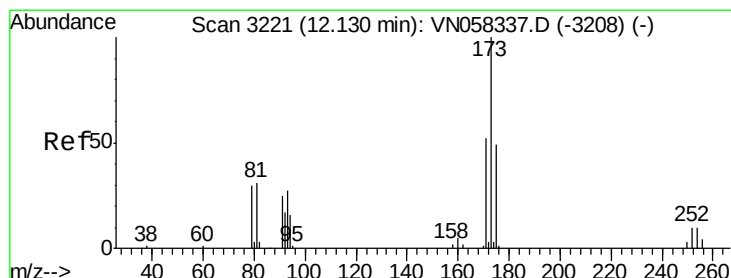
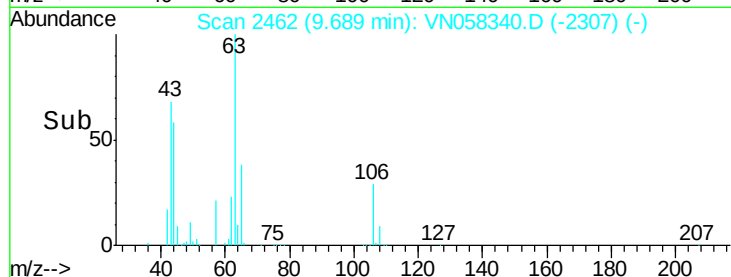
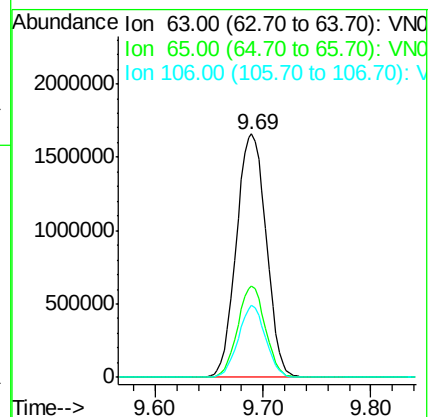
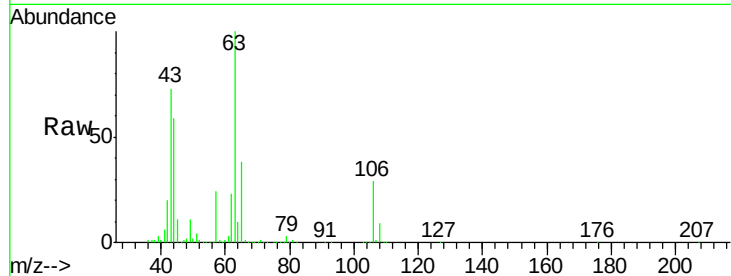
106 27.0 20.4 30.6

Manual Integrations

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#56

Bromoform

Concen: 179.357 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

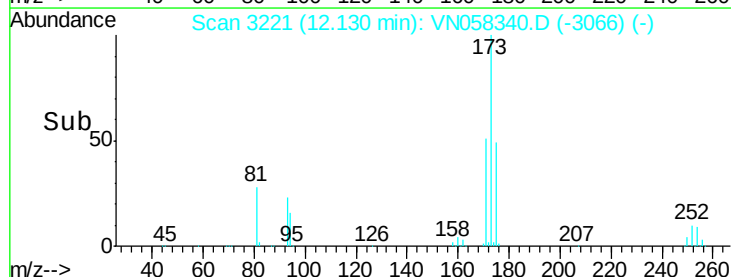
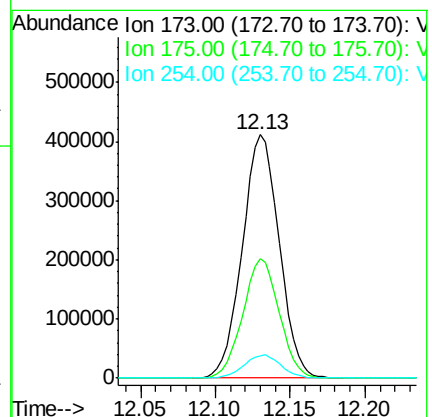
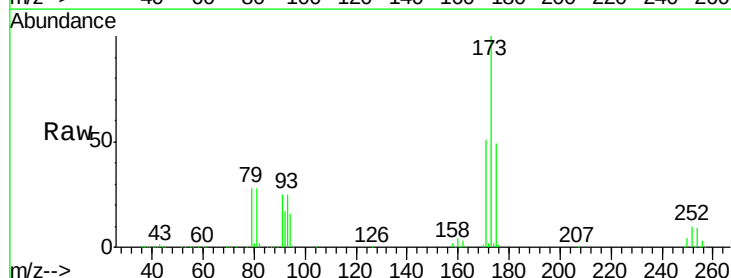
Tgt Ion: 173 Resp: 706090

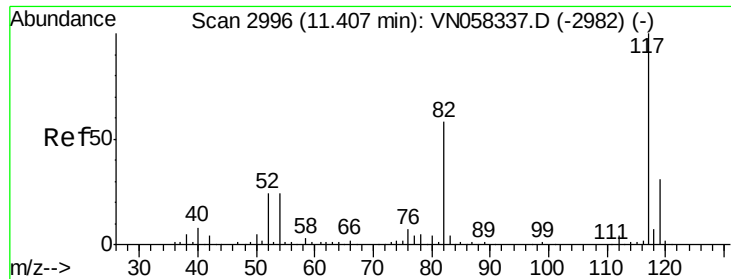
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 9.5 7.8 11.8





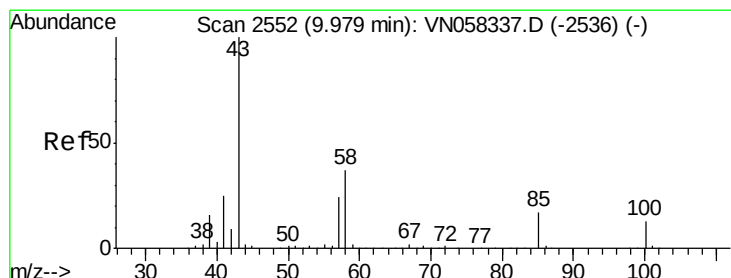
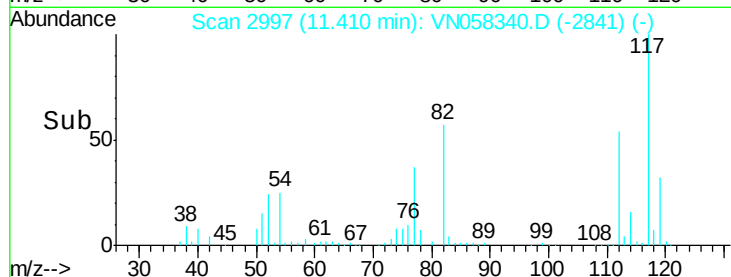
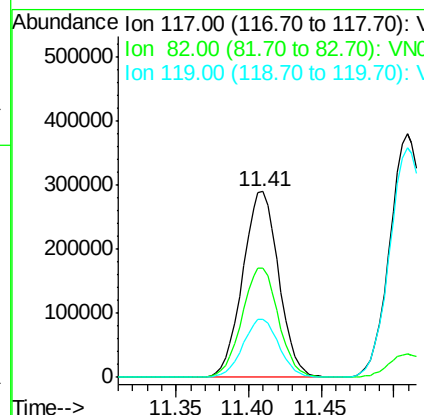
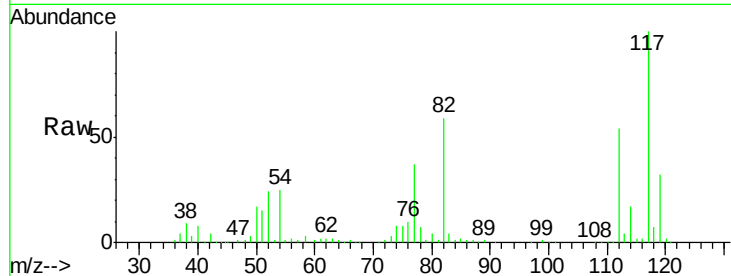
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.4	69.6
119	31.4	25.1	37.7

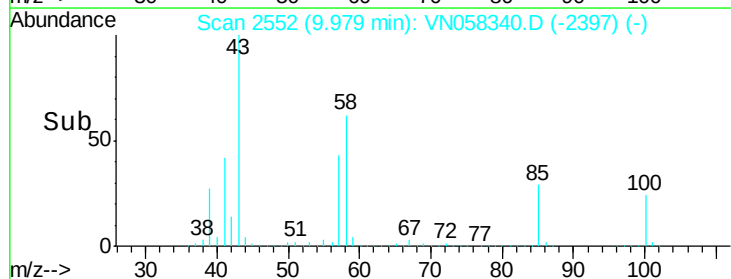
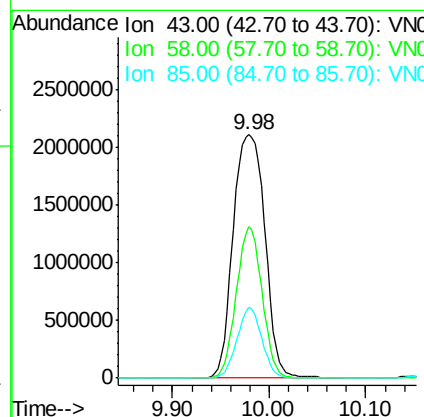
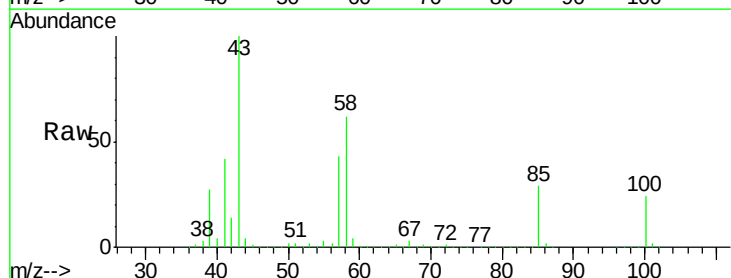
Manual Integrations
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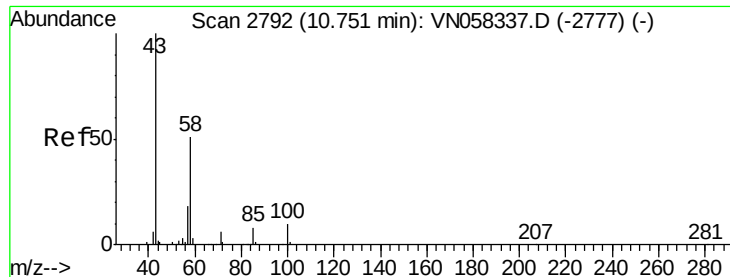
MMDadoda
9/25/2019 8:23:54 AM



#58
4-Methyl-2-Pentanone
Concen: 615.044 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.7	29.3	43.9#
85	22.9	13.1	19.7#





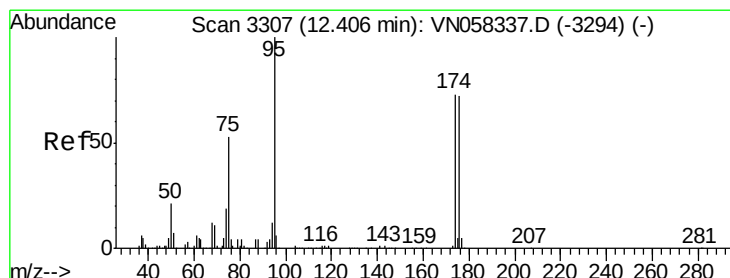
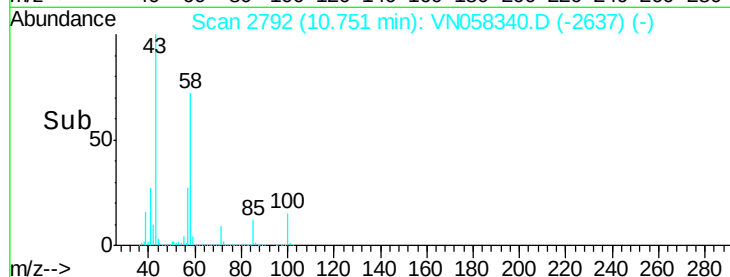
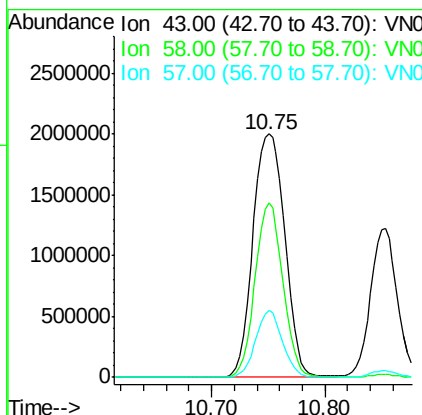
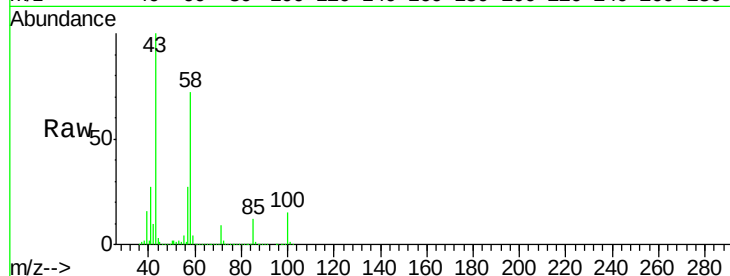
#59
2-Hexanone
Concen: 668.000 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3927723
Ion Ratio Lower Upper
43 100
58 62.6 40.7 61.1#
57 23.2 14.7 22.1#

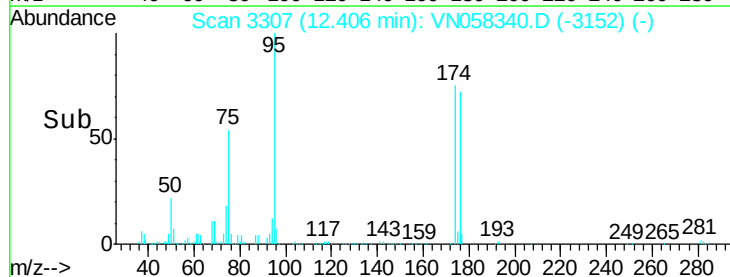
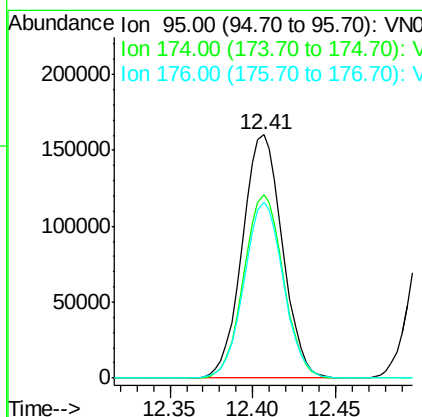
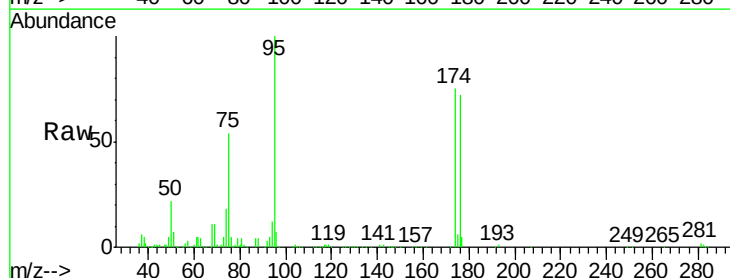
Manual Integrations
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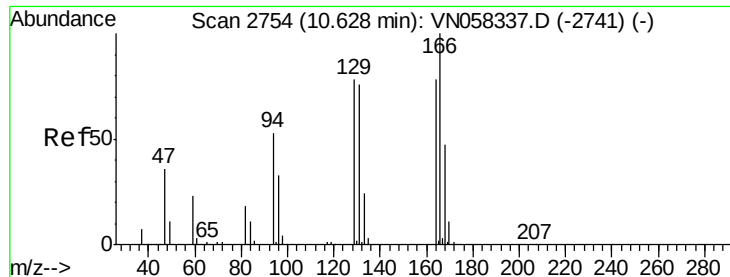
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 31.284 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 95 Resp: 269200
Ion Ratio Lower Upper
95 100
174 74.5 59.0 88.6
176 71.1 58.2 87.2





#61

Tetrachloroethene

Concen: 158.156 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 813432

Ion Ratio Lower Upper

164 100

166 130.7 102.6 154.0

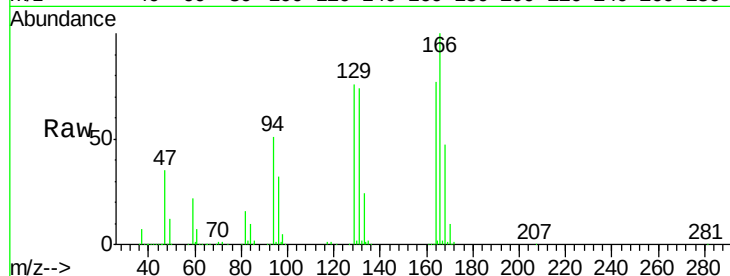
129 99.8 79.8 119.6

131 97.2 78.1 117.1

Manual Integrations
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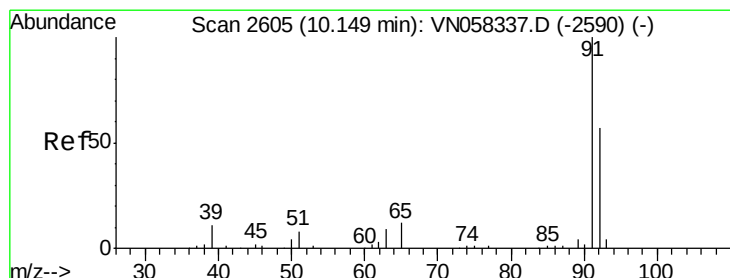
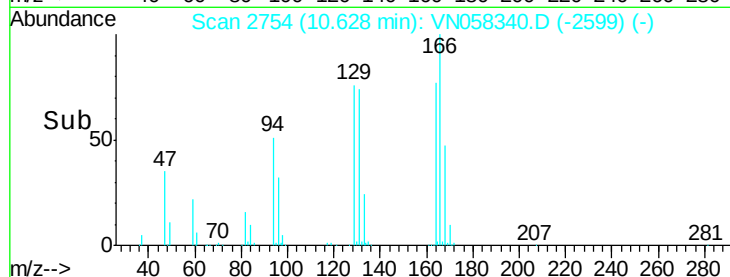
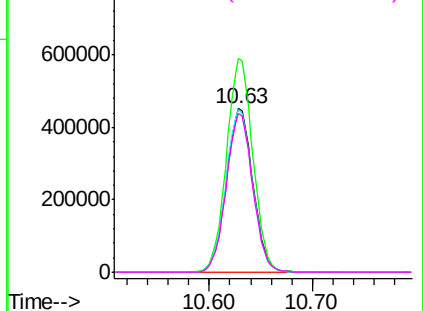


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 135.634 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058340.D

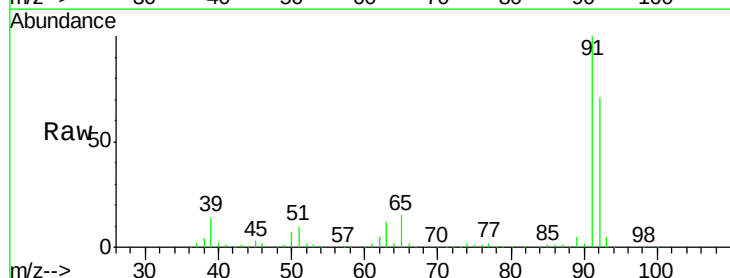
Acq: 24 Sep 2019 11:37

Tgt Ion: 91 Resp: 3772693

Ion Ratio Lower Upper

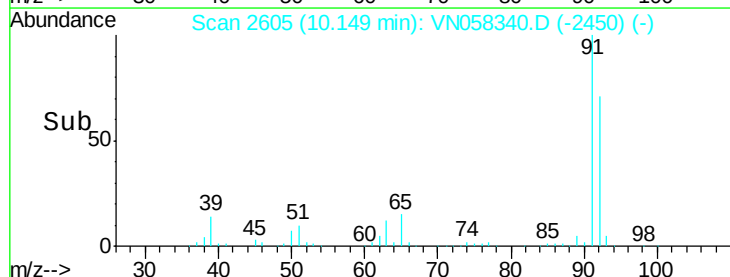
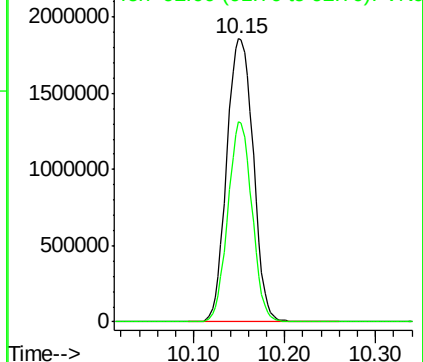
91 100

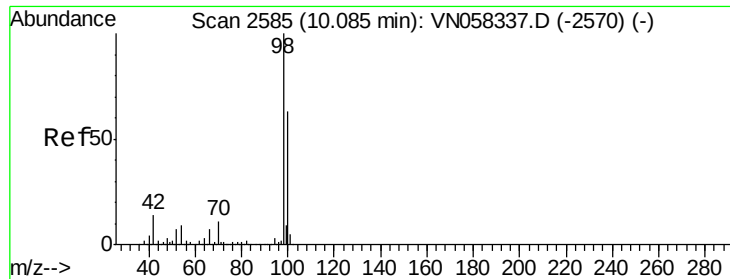
92 64.3 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





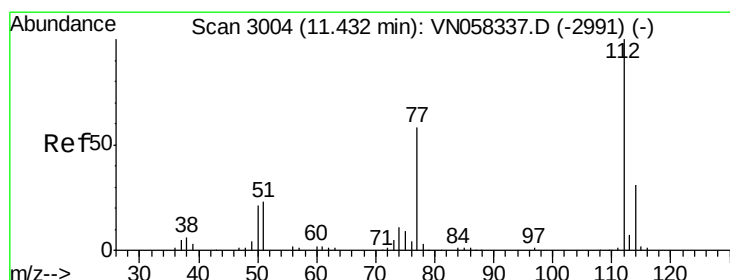
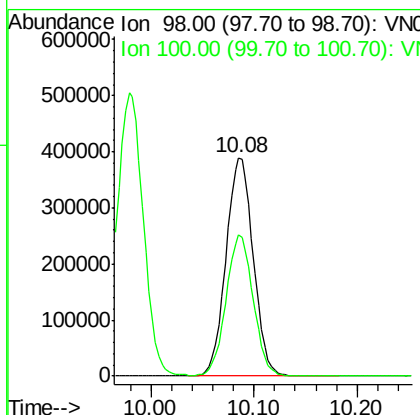
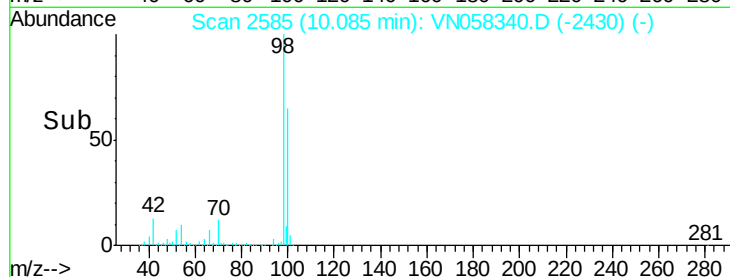
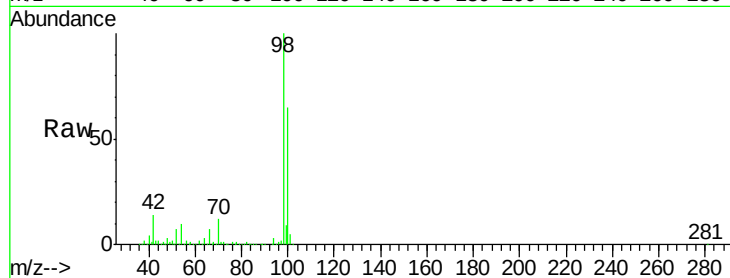
#63
Toluene-d8
Concen: 29.992 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 98 Resp: 717300
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

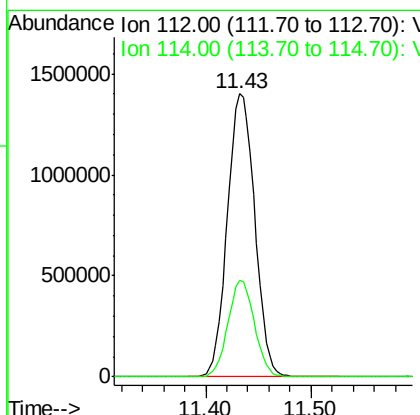
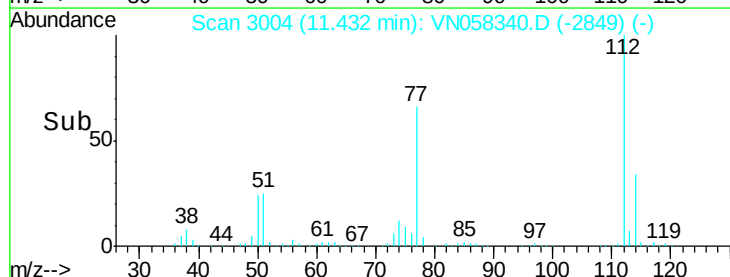
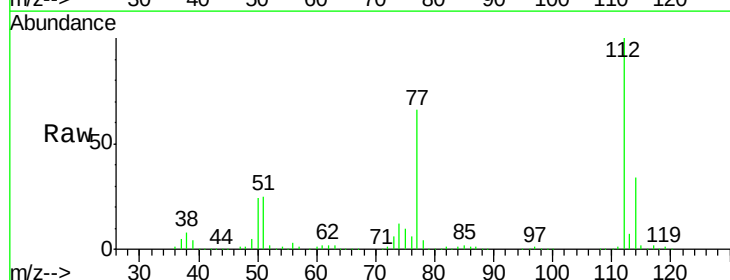
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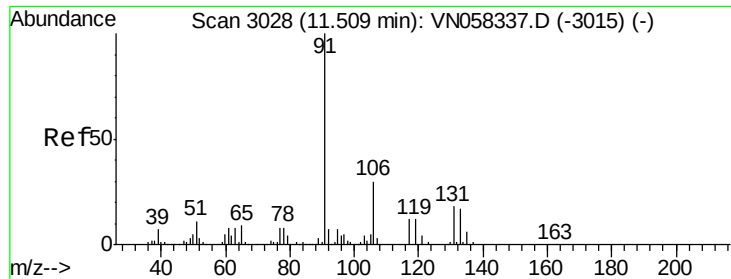
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#64
Chlorobenzene
Concen: 146.179 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion: 112 Resp: 2520674
Ion Ratio Lower Upper
112 100
114 34.2 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 159.222 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

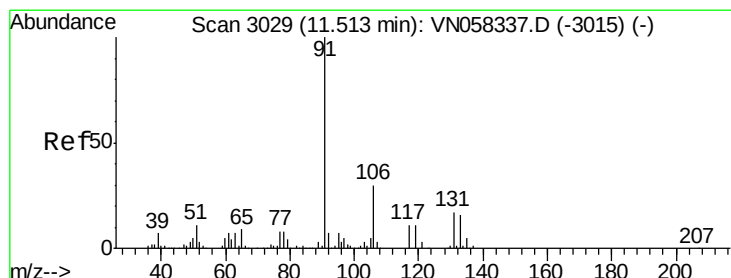
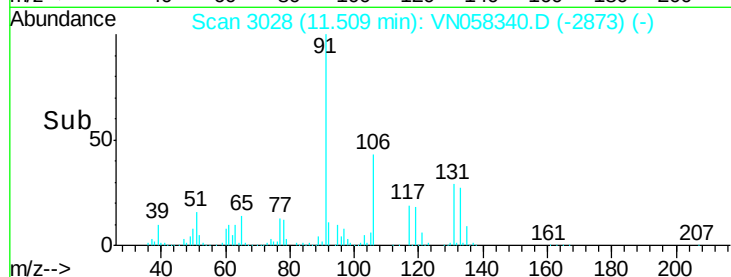
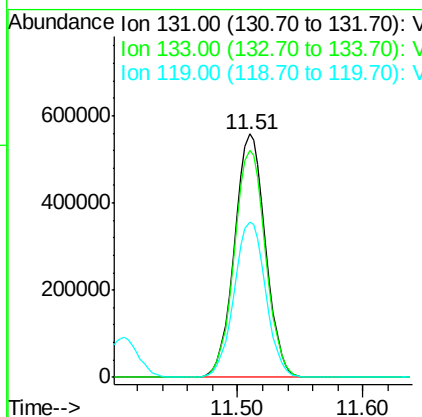
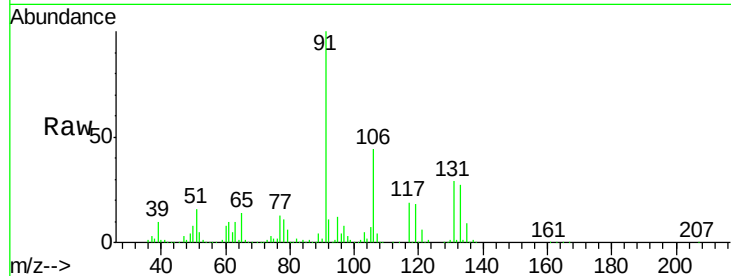
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	956033
Ion Ratio	Lower	Upper	
131	100		
133	94.4	0.0	191.8
119	65.2	0.0	134.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 128.529 ug/l

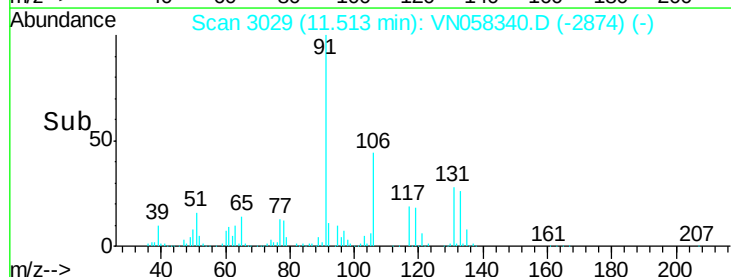
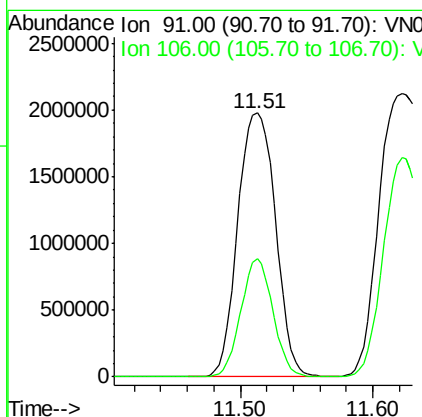
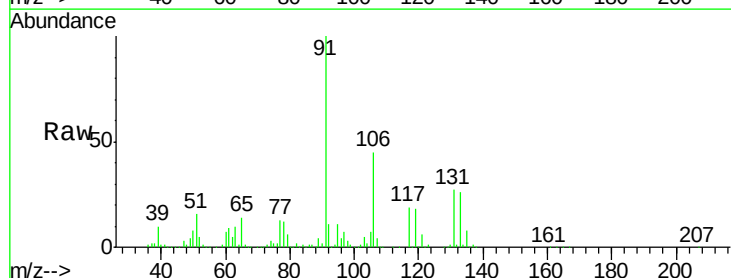
RT: 11.51 min Scan# 3029

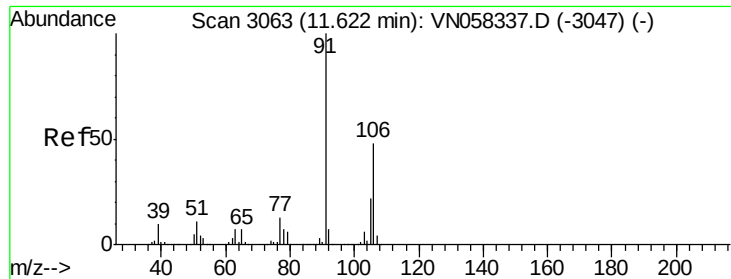
Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Tgt Ion:	91	Resp:	3912855
Ion Ratio	Lower	Upper	
91	100		
106	44.8	24.2	36.4#





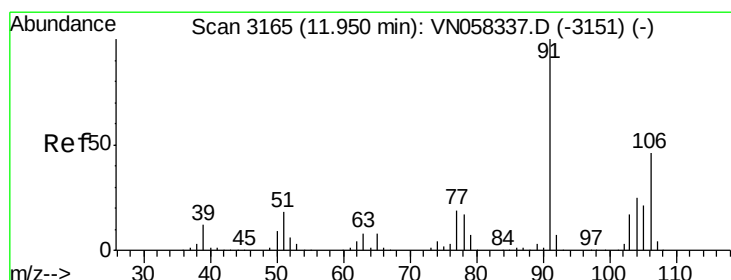
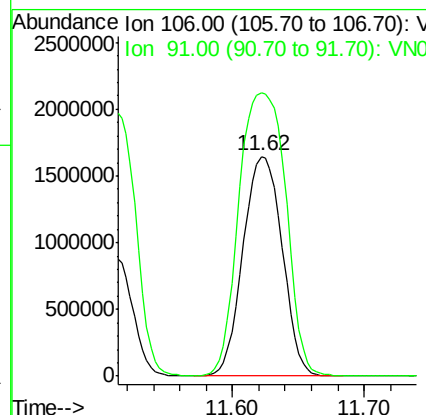
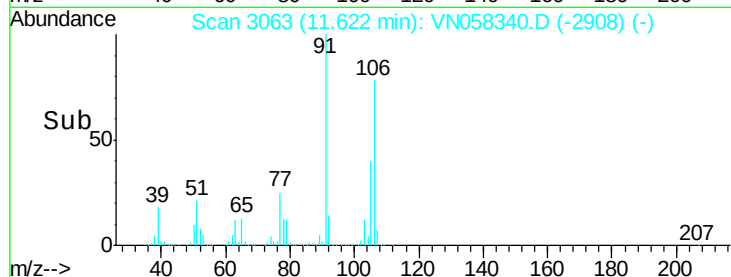
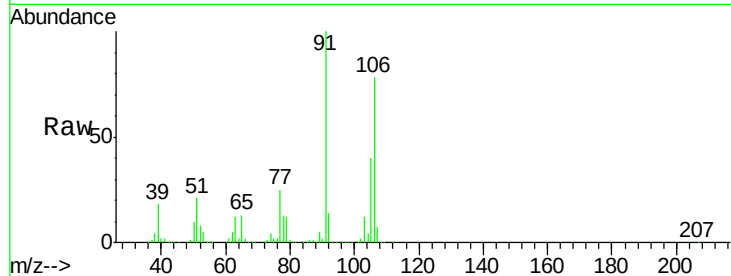
#67
m/p-Xylenes
Concen: 291.901 ug/l m
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 3394610
Ion Ratio Lower Upper
106 100
91 0.0 167.8 251.6#

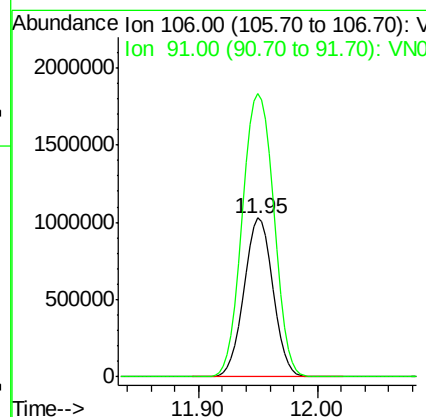
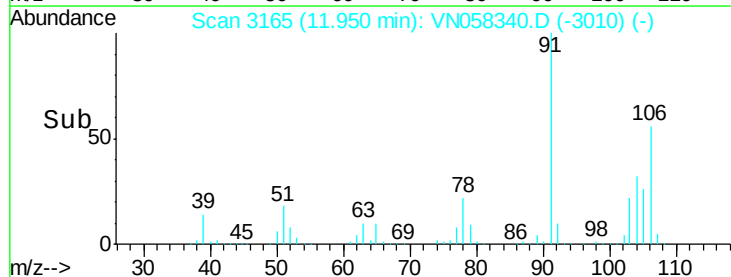
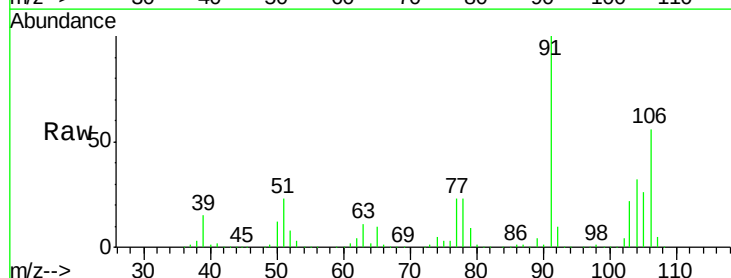
Manual Integrations
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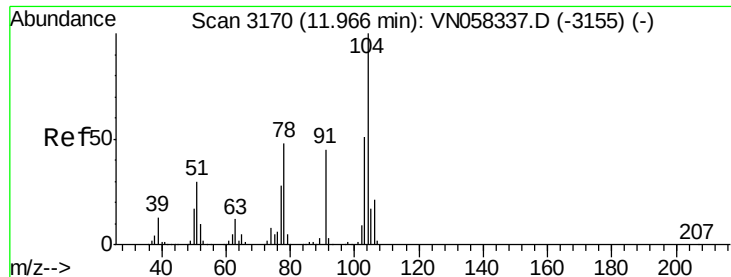
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#68
o-Xylene
Concen: 151.848 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion:106 Resp: 1732908
Ion Ratio Lower Upper
106 100
91 194.9 108.7 325.9





#69

Stvrene

Concen: 147.936 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:104 Resp: 2861183

Ion Ratio Lower Upper

104 100

78 56.1 42.3 63.5

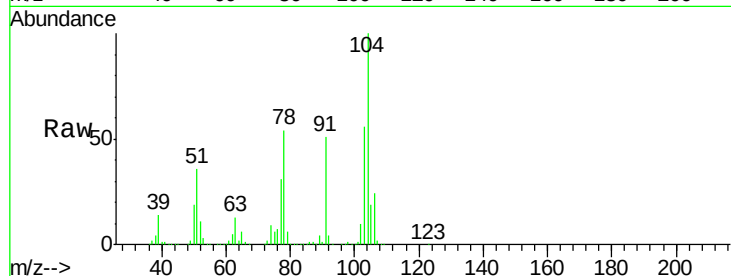
103 57.7 44.1 66.1

Manual Integrations

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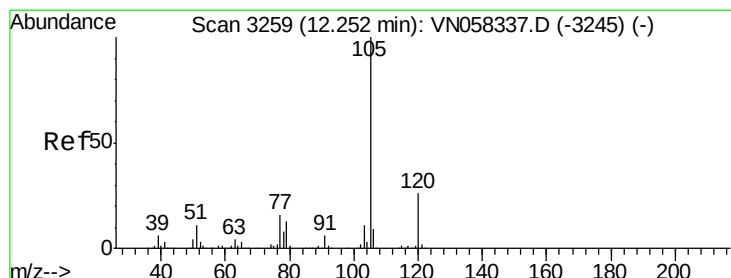
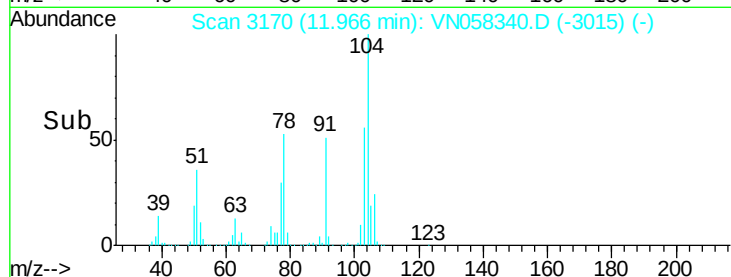
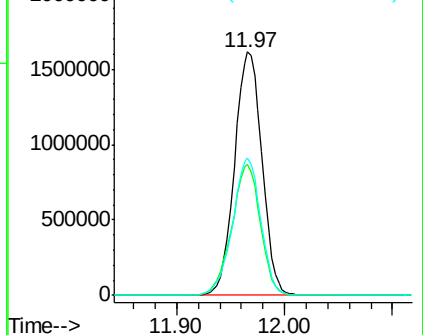
9/25/2019 8:23:54 AM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 128.101 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058340.D

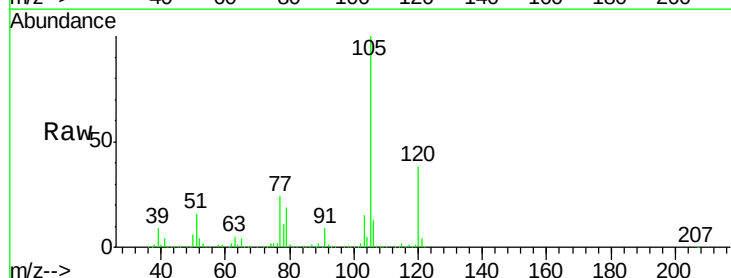
Acq: 24 Sep 2019 11:37

Tgt Ion:105 Resp: 3838043

Ion Ratio Lower Upper

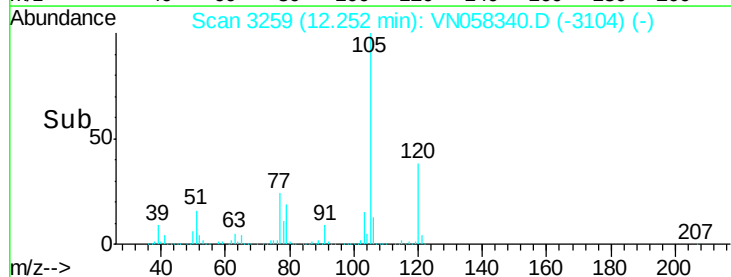
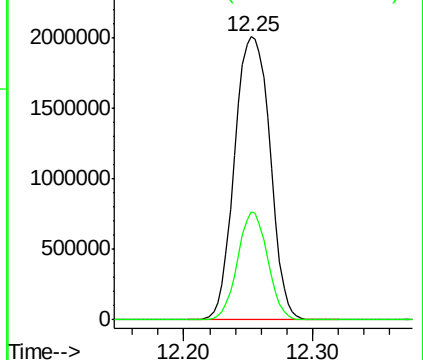
105 100

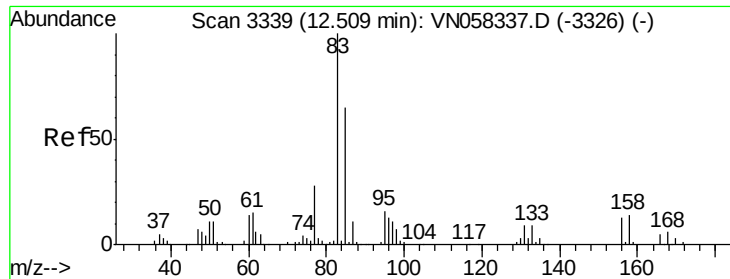
120 32.5 18.2 33.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





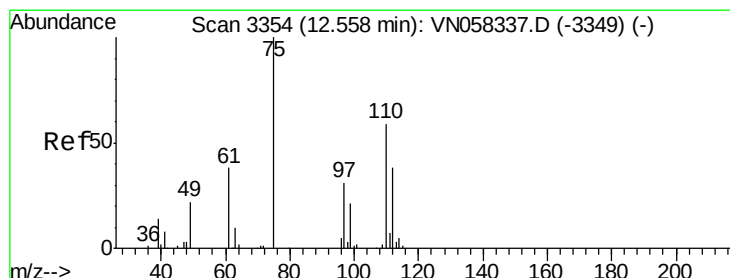
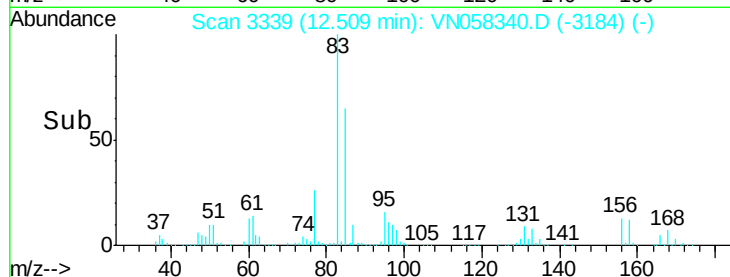
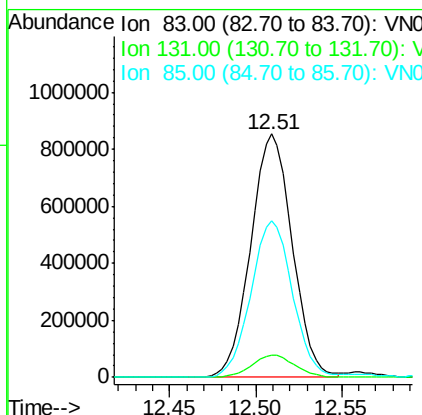
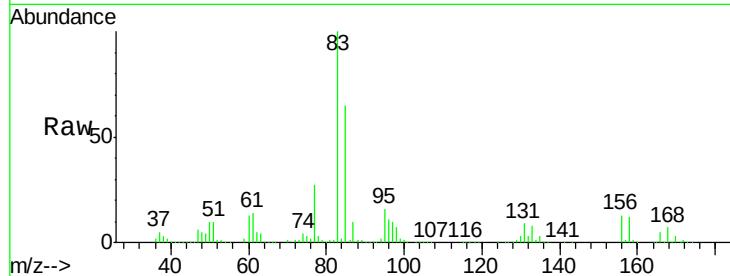
#71
 1,1,2,2-Tetrachloroethane
 Concen: 152.379 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	83	Resp	1426491
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.3	32.6	97.7

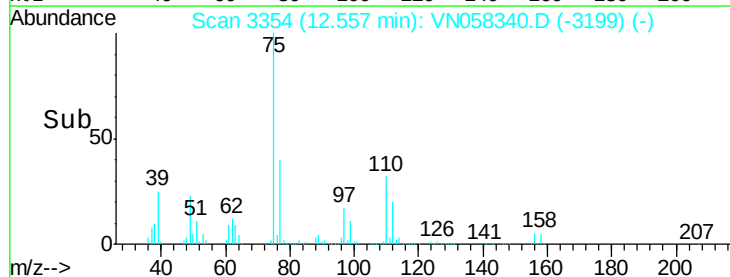
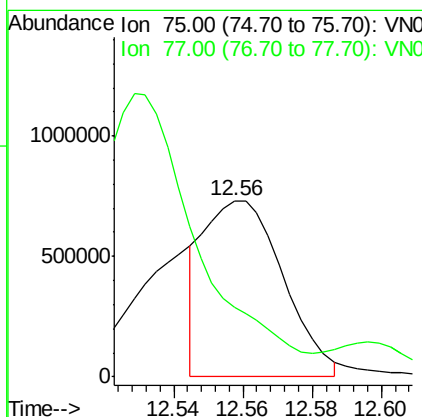
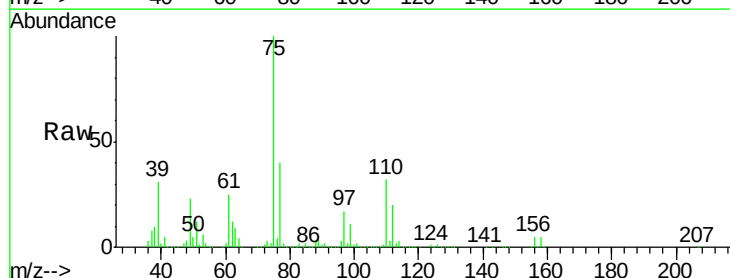
Manual Integrations
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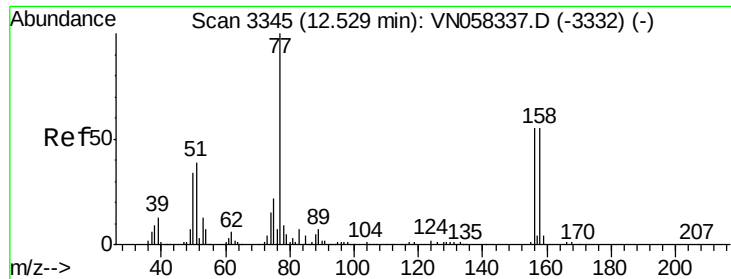
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 9/25/2019 8:23:54 AM



#72
 1,2,3-Trichloropropane
 Concen: 140.062 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	75	Resp	1163681
Ion Ratio	100	Lower	Upper
75	100		
77	210.1	0.0	382.4





#73

Bromobenzene

Concen: 150.397 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1087209

Ion Ratio Lower Upper

156 100

77 224.9 0.0 438.8

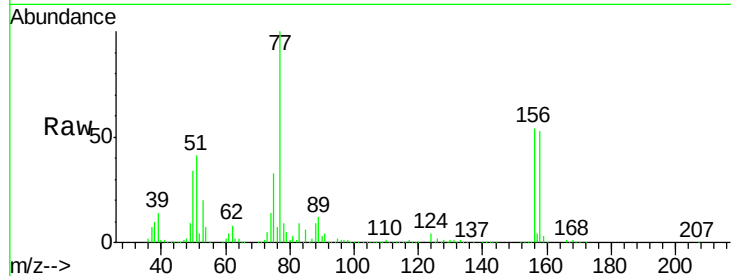
158 97.7 0.0 195.6

Manual Integrations

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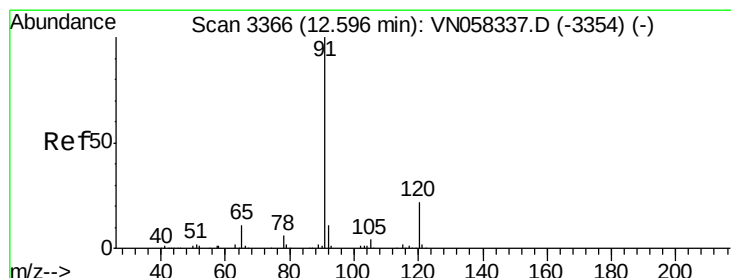
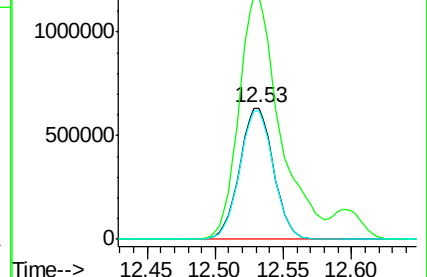
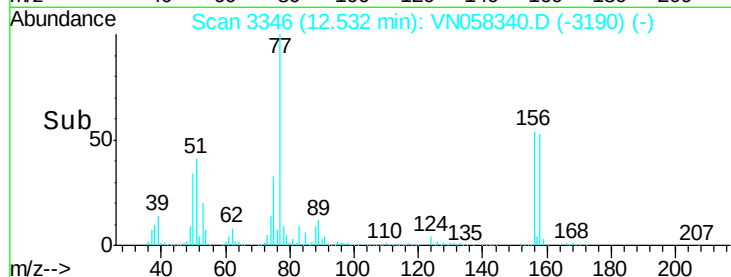
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 121.994 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058340.D

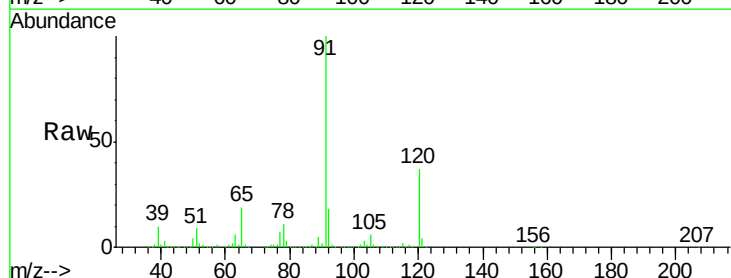
Acq: 24 Sep 2019 11:37

Tgt Ion: 91 Resp: 4185485

Ion Ratio Lower Upper

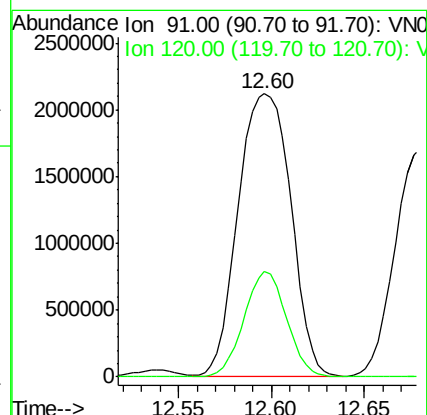
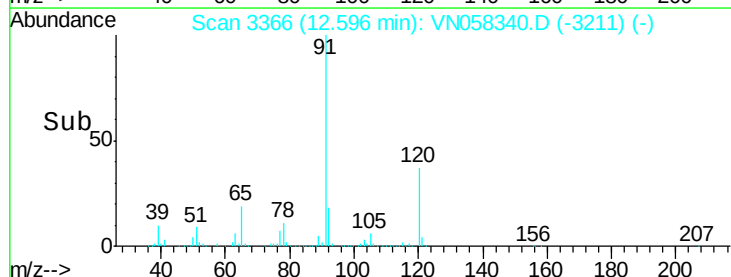
91 100

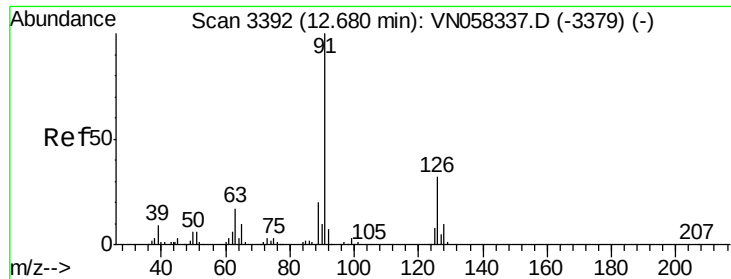
120 30.0 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 142.765 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3057156

Ion Ratio Lower Upper

91 100

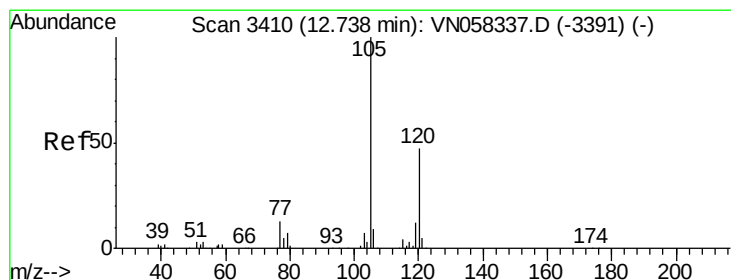
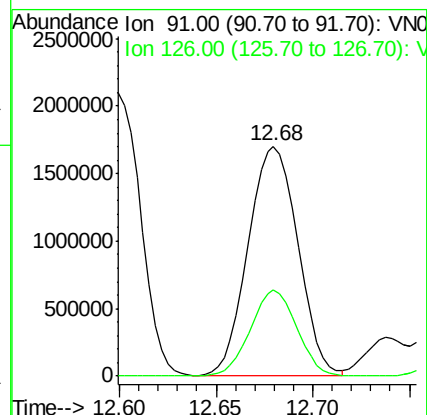
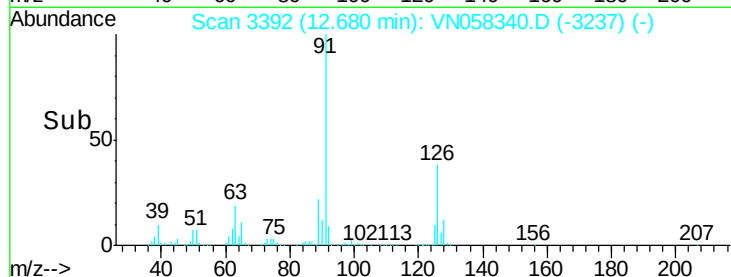
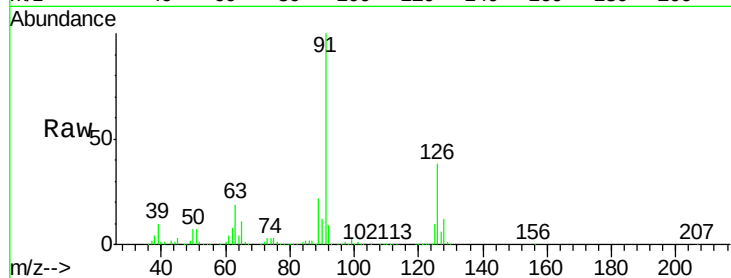
126 34.8 0.0 65.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 135.274 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058340.D

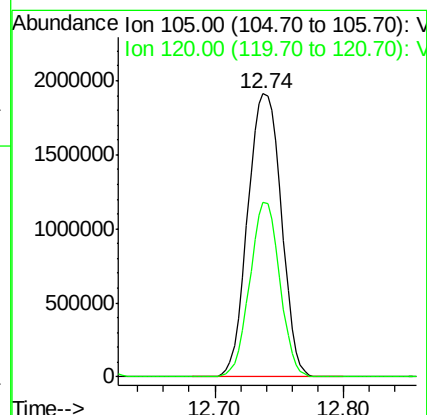
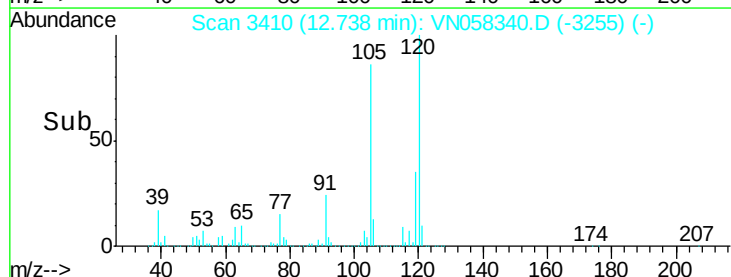
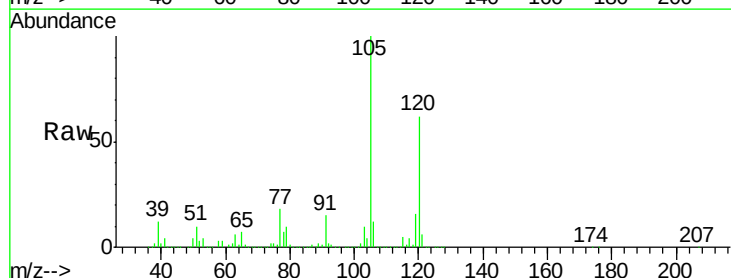
Acq: 24 Sep 2019 11:37

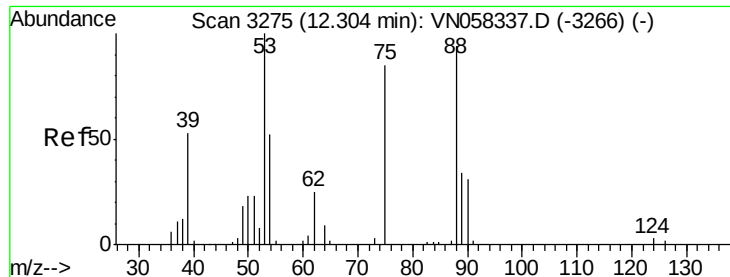
Tgt Ion: 105 Resp: 3464035

Ion Ratio Lower Upper

105 100

120 55.1 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 190.505 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 479800

Ion Ratio Lower Upper

75 100

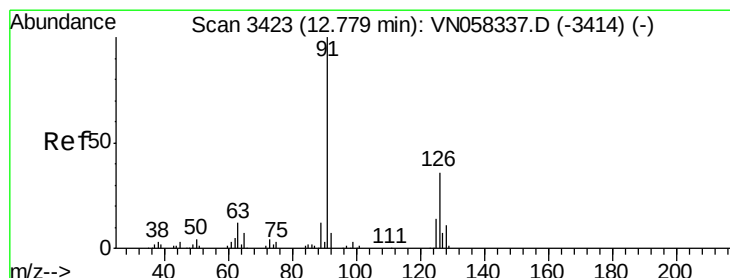
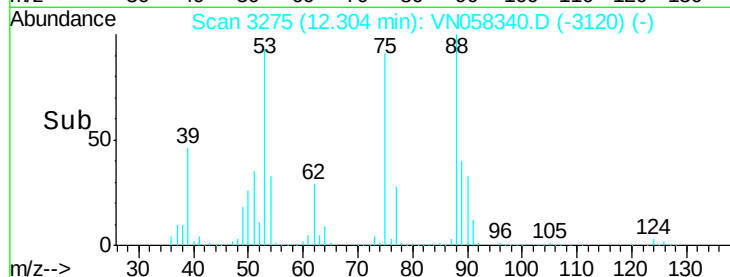
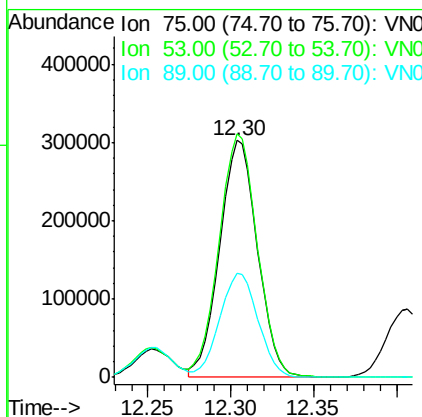
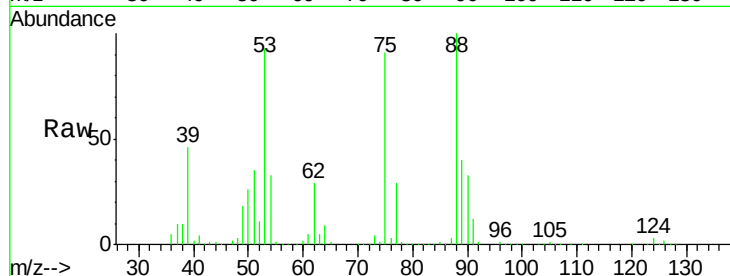
53 102.8 59.0 176.8

89 44.1 21.6 65.0

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#78

4-Chlorotoluene

Concen: 143.202 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN058340.D

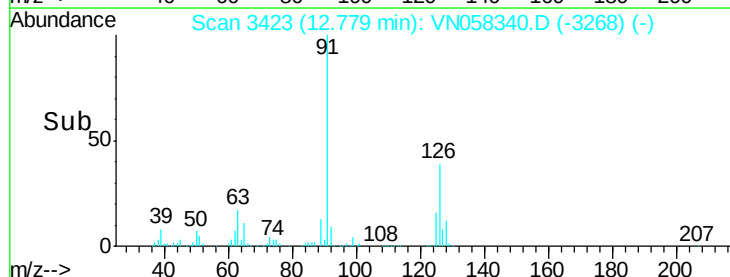
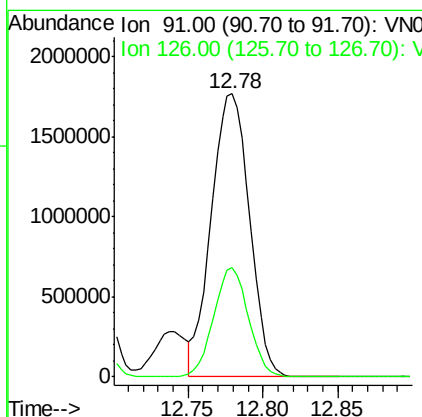
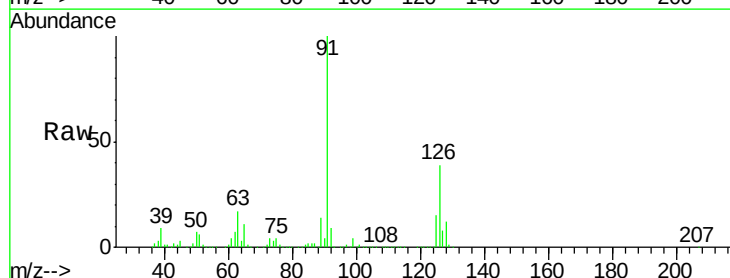
Acq: 24 Sep 2019 11:37

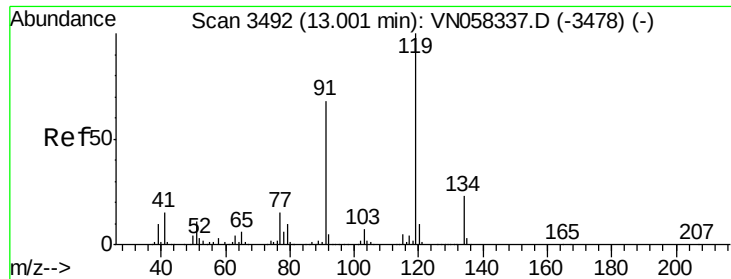
Tgt Ion: 91 Resp: 3141949

Ion Ratio Lower Upper

91 100

126 35.0 0.0 63.8





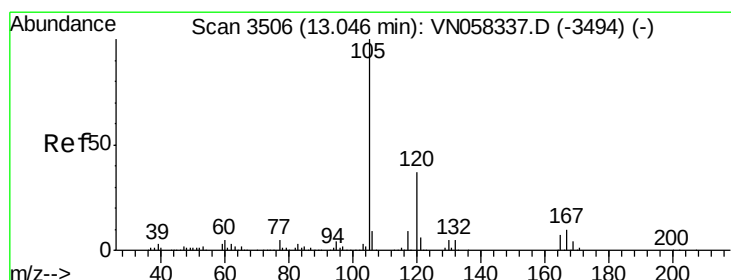
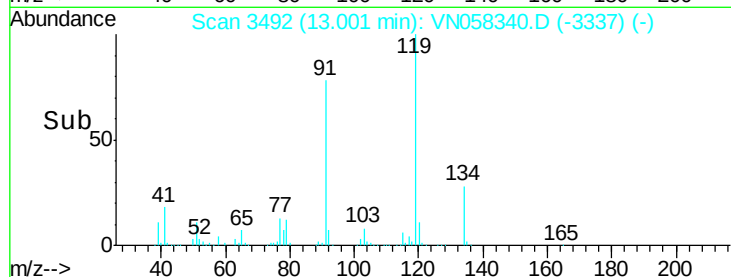
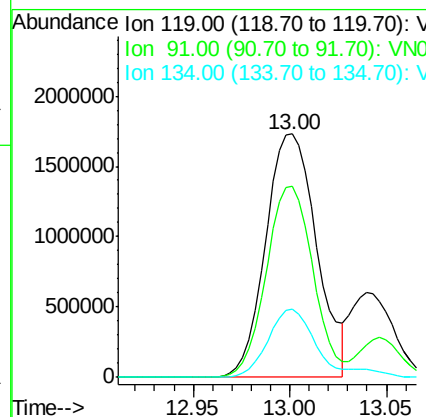
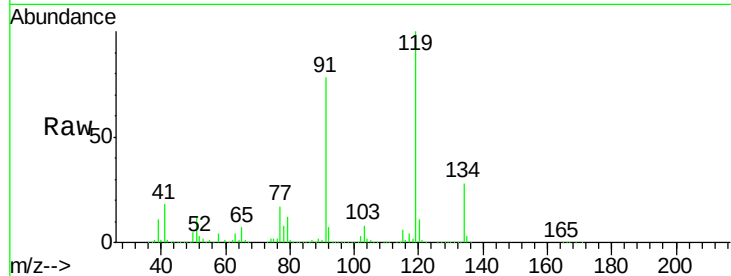
#79
tert-butylbenzene
Concen: 143.167 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.8	0.0	138.2
134	25.4	0.0	46.8

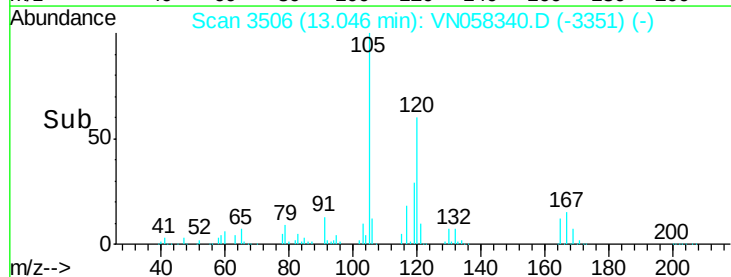
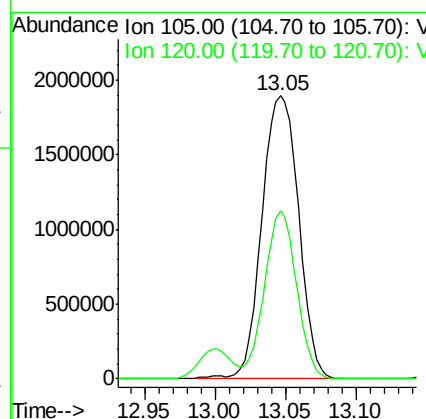
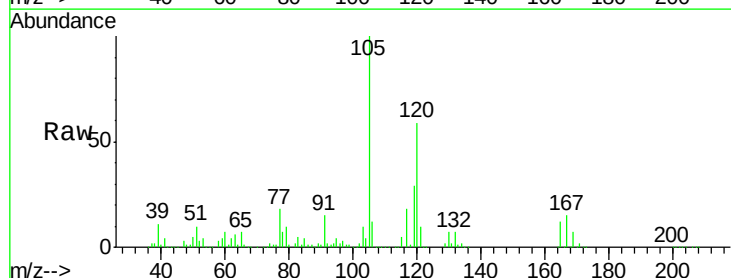
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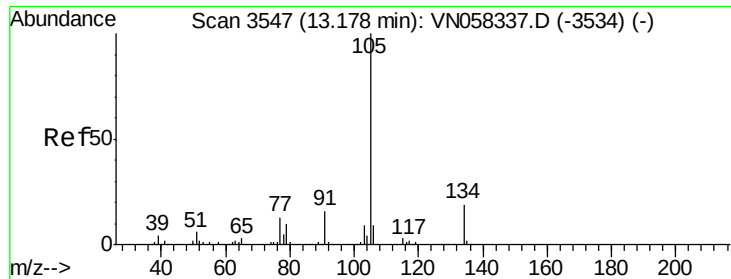
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#80
1,2,4-Trimethylbenzene
Concen: 135.050 ug/l m
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.2	0.0	86.6





#81

sec-Butylbenzene

Concen: 127.627 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3786169

Ion Ratio Lower Upper

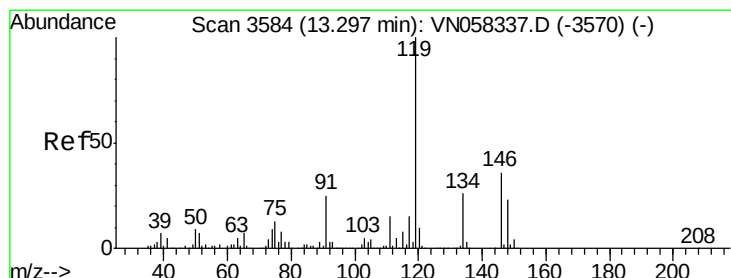
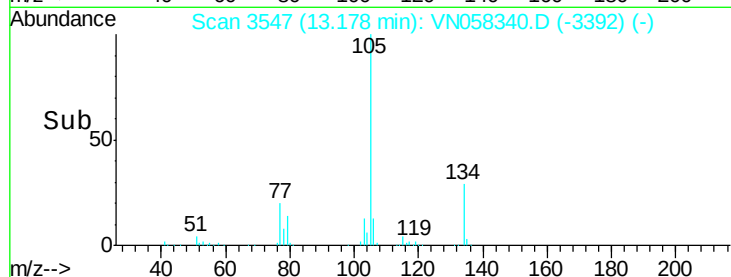
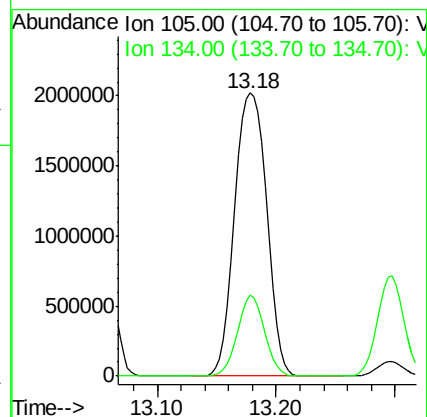
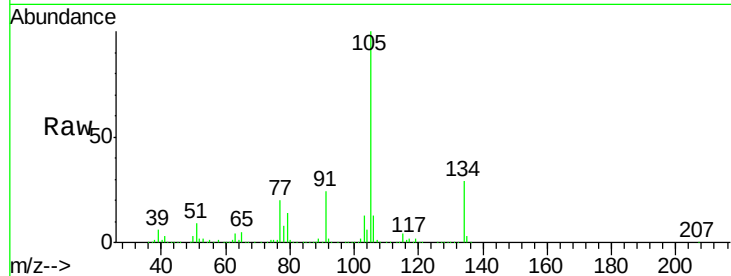
105 100

134 24.0 0.0 38.2

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#82

p-Isopropyltoluene

Concen: 131.542 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

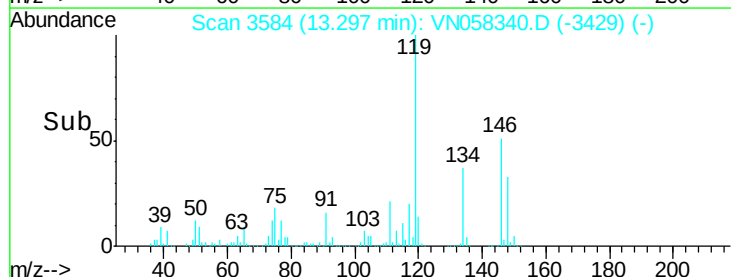
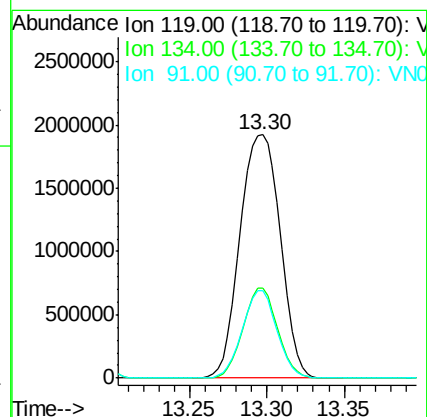
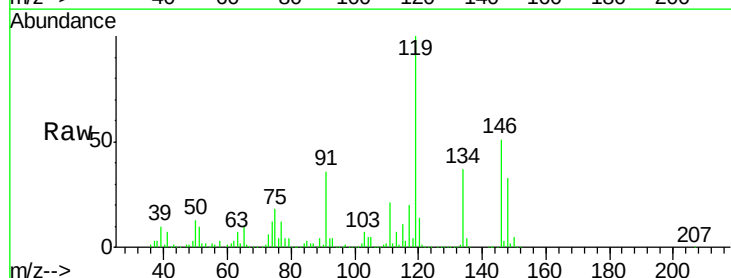
Tgt Ion:119 Resp: 3479986

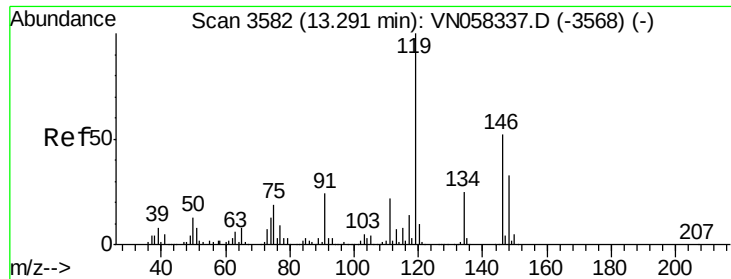
Ion Ratio Lower Upper

119 100

134 31.6 0.0 51.6

91 30.7 0.0 49.6





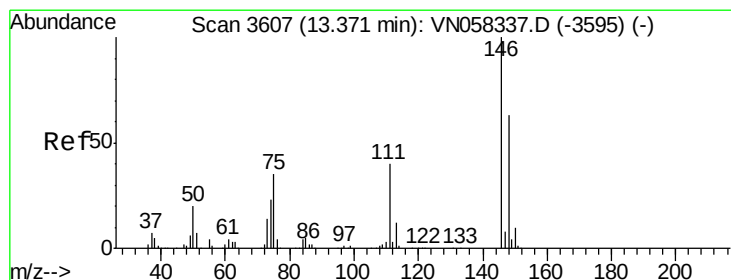
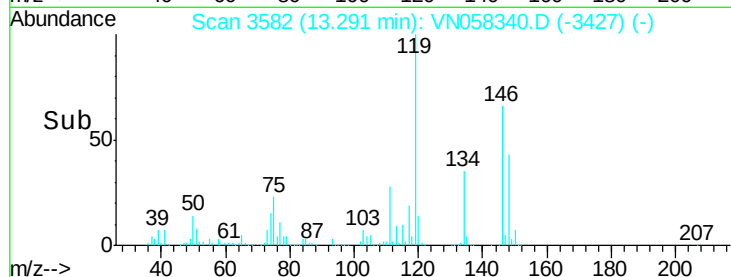
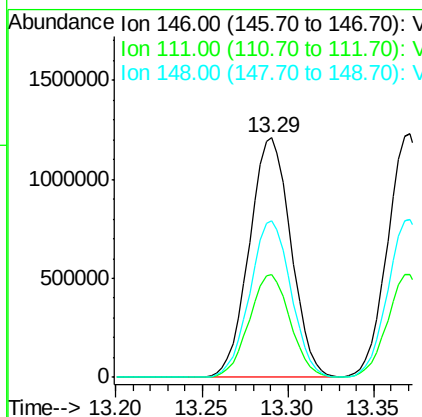
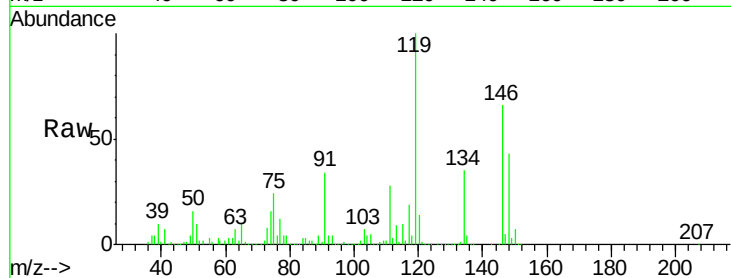
#83
 1,3-Dichlorobenzene
 Concen: 151.857 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	64.5	32.0	96.2

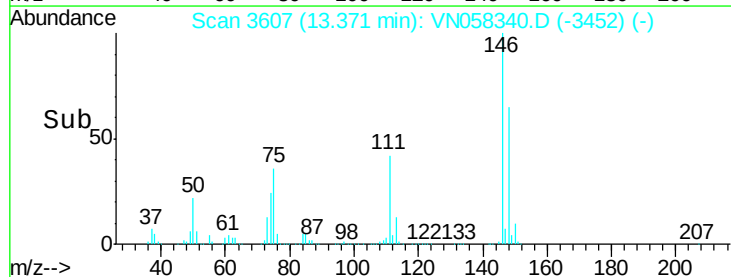
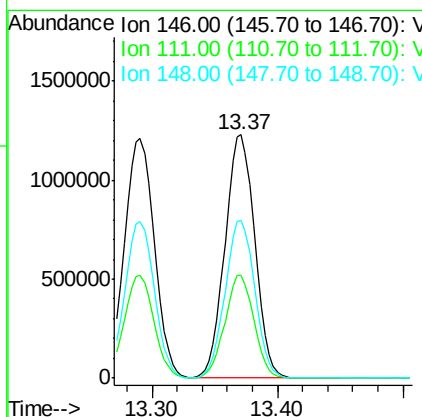
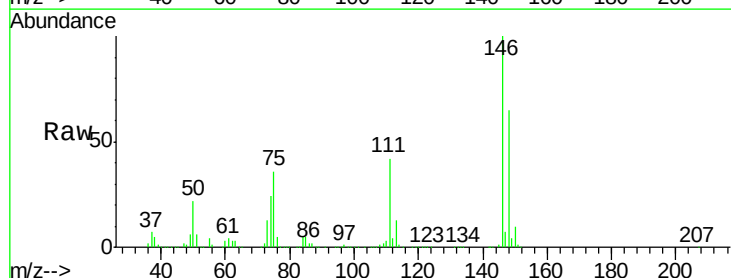
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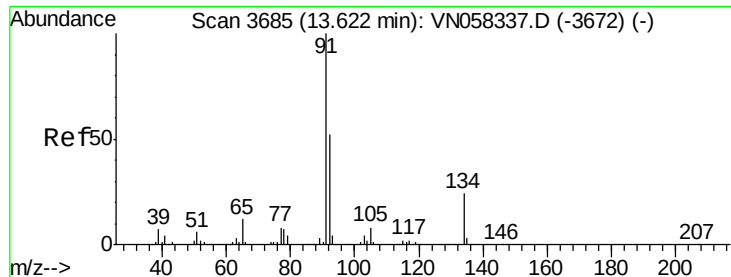
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#84
 1,4-Dichlorobenzene
 Concen: 153.554 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	64.5	31.9	95.7





#85

n-Butylbenzene

Concen: 139.190 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Instrument :

MSVOA_N

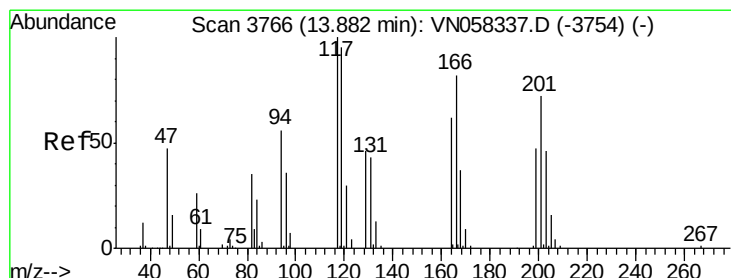
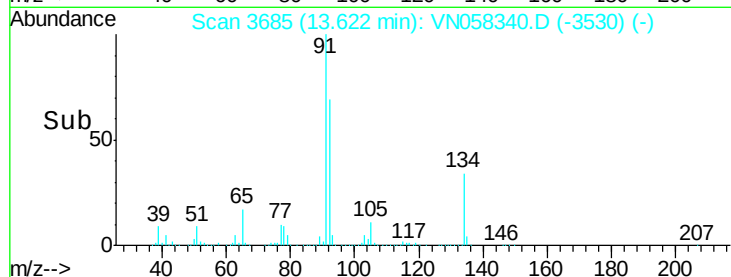
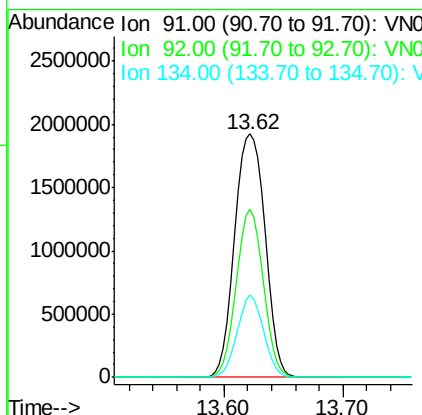
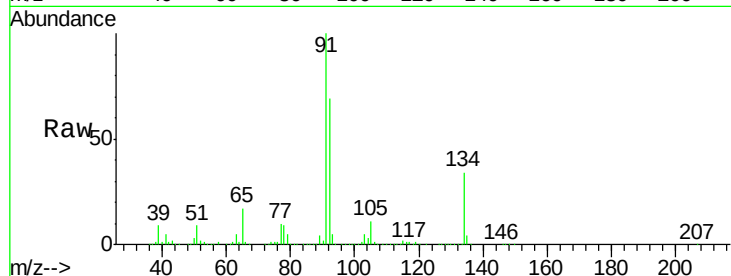
ClientSampleId :

VSTDIC150

Tot Ion:	91	Resp:	3422661
Ion	Ratio	Lower	Upper
91	100		
92	61.1	0.0	102.6
134	29.2	0.0	47.8

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#86

Hexachloroethane

Concen: 170.882 ug/l

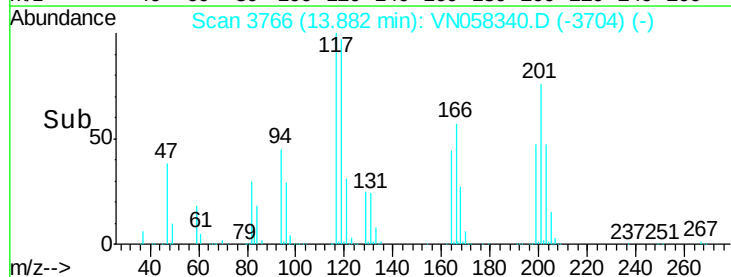
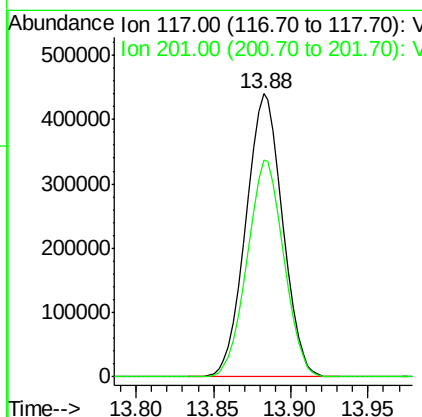
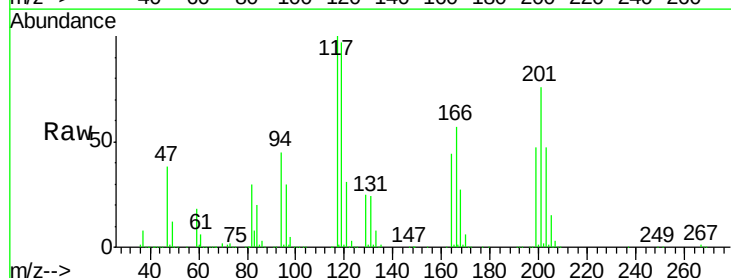
RT: 13.88 min Scan# 3766

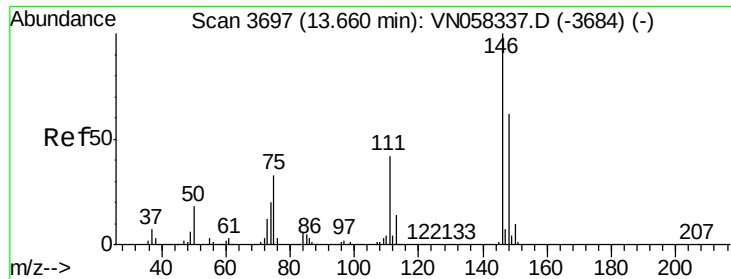
Delta R.T. -0.00 min

Lab File: VN058340.D

Acq: 24 Sep 2019 11:37

Tgt Ion:	117	Resp:	727419
Ion	Ratio	Lower	Upper
117	100		
201	76.5	37.2	111.6





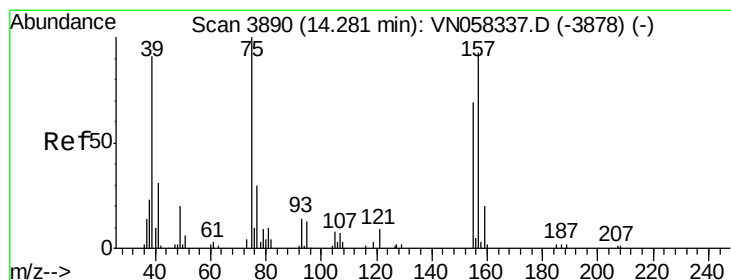
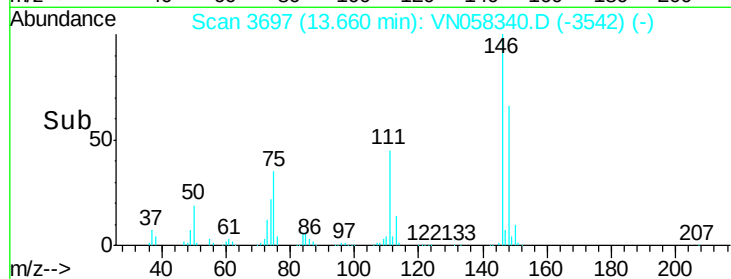
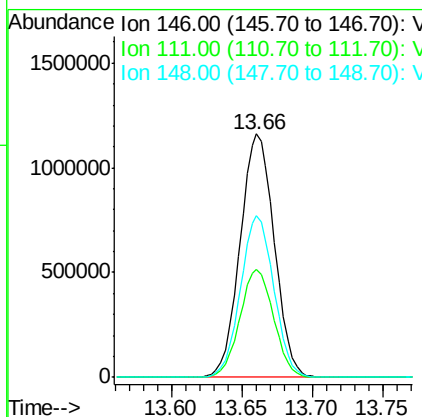
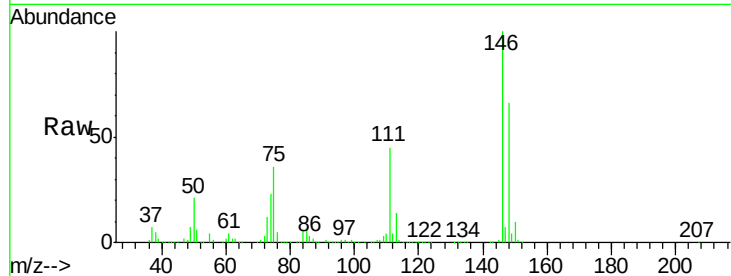
#87
 1,2-Dichlorobenzene
 Concen: 151.192 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.1	63.3
148	64.8	31.9	95.7

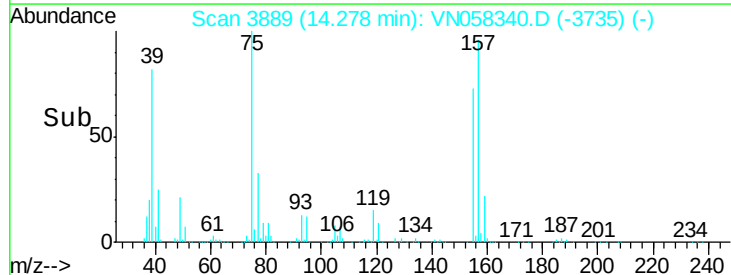
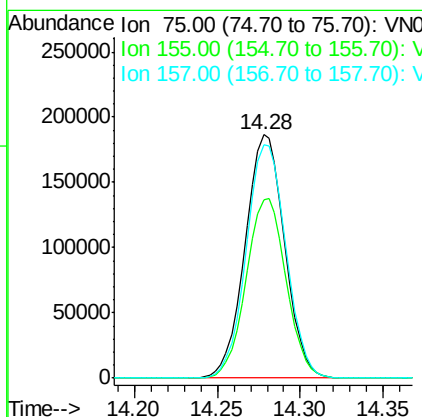
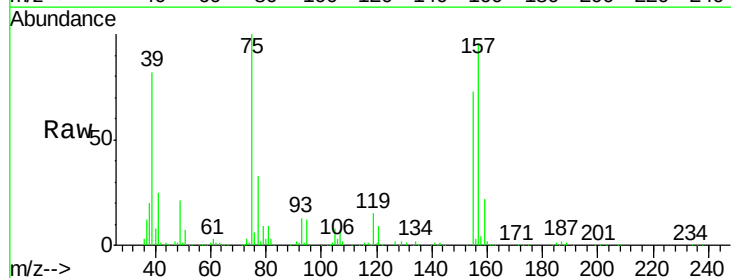
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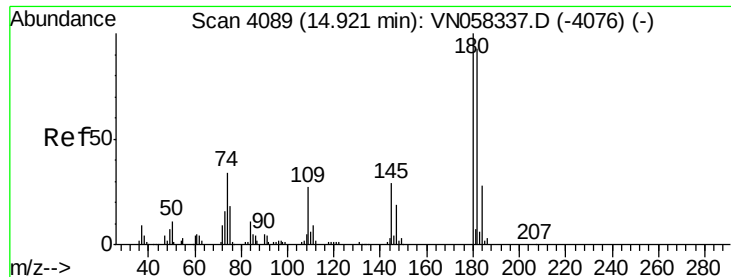
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 184.044 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	58.5	87.7
157	96.5	75.4	113.2





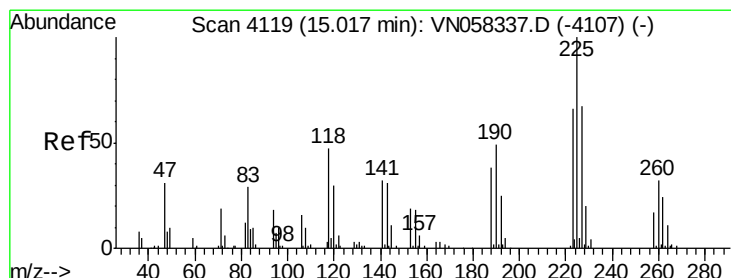
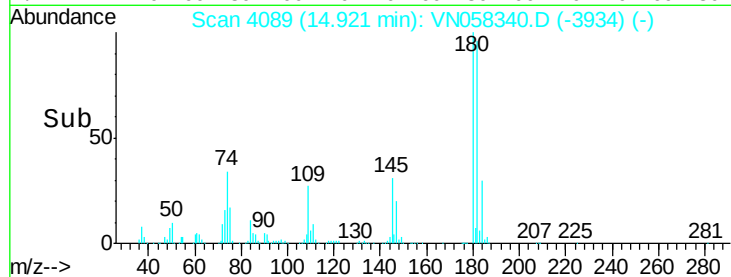
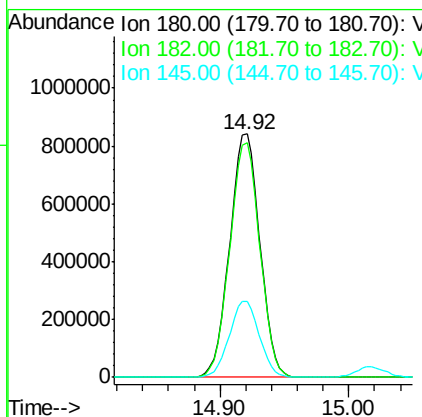
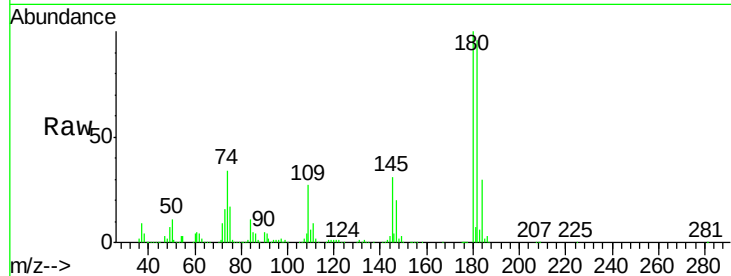
#89
 1,2,4-Trichlorobenzene
 Concen: 170.849 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.2	112.8
145	31.1	25.1	37.7

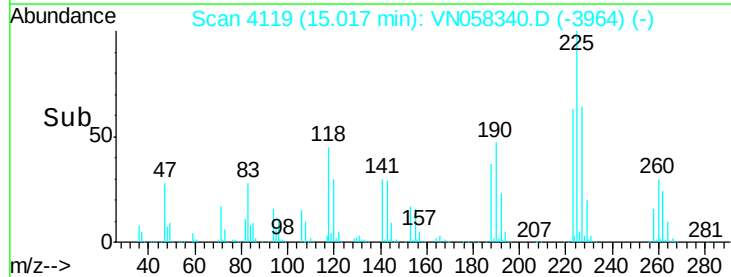
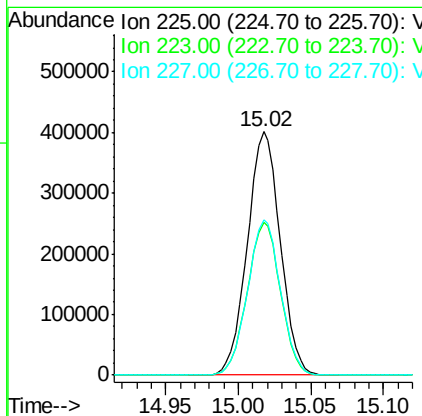
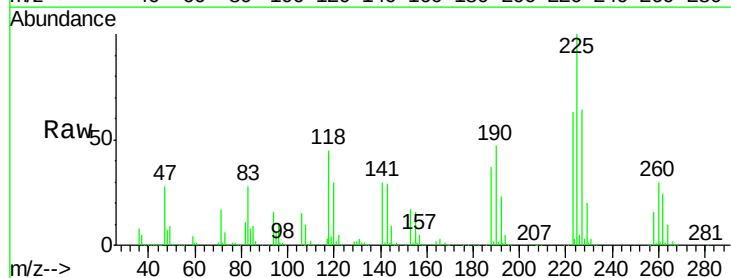
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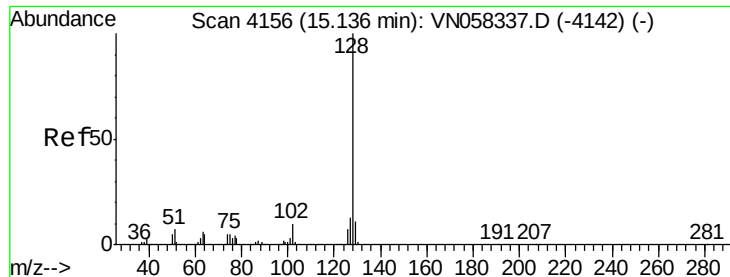
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#90
 Hexachlorobutadiene
 Concen: 172.070 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058340.D
 Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	132.6
227	63.7	0.0	129.2





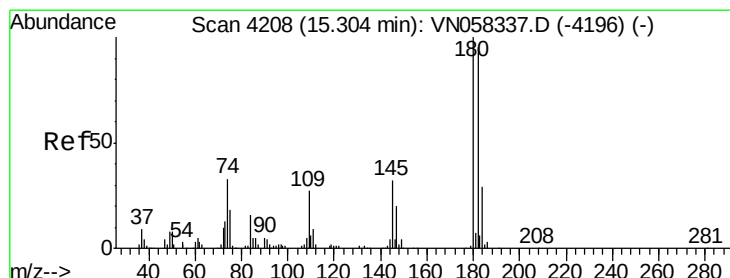
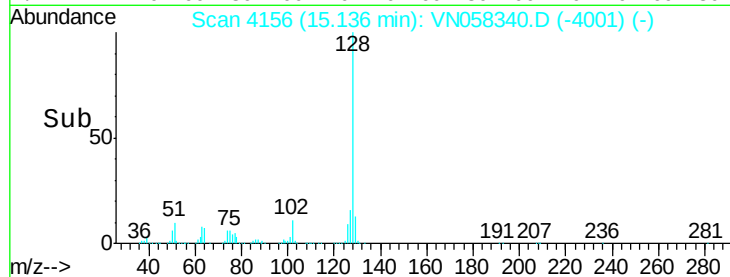
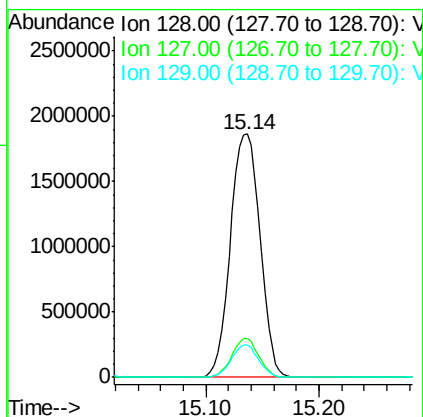
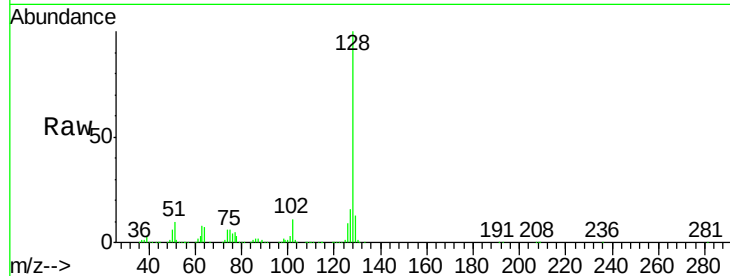
#91
Naphthalene
Concen: 156.150 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.4
129	12.2	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 169.717 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058340.D
Acq: 24 Sep 2019 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	189.4
145	32.5	0.0	64.0

