

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058343.D
 Acq On : 24 Sep 2019 13:43
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN092419

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 8:24:04 AM

Quant Time: Sep 25 01:54:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	86757	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	508740	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	456386	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	229820	29.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.90%
60) 4-Bromofluorobenzene	12.41	95	234203	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	655201	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	107989	20.699	ug/l 99
3) Chloromethane	2.04	50	125024	20.754	ug/l 99
4) Vinyl Chloride	2.17	62	122586	20.393	ug/l 95
5) Bromomethane	2.55	94	63526	19.463	ug/l 99
6) Chloroethane	2.69	64	74352	20.930	ug/l 95
7) Trichlorofluoromethane	3.00	101	145335	20.534	ug/l 100
8) Diethyl Ether	3.39	74	64700	20.563	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	98428	20.203	ug/l 98
10) 1,1-Dichloroethene	3.71	96	95687	20.091	ug/l 99
11) Methyl Iodide	3.93	142	96928	19.850	ug/l 100
12) Methyl Acetate	4.30	43	129881	20.475	ug/l 99
13) Acrolein	3.59	56	25872	143.433	ug/l 96
14) Acrylonitrile	4.96	53	268138	102.374	ug/l 99
15) Acetone	3.79	58	85146	117.243	ug/l 93
16) Carbon Disulfide	4.03	76	256888	19.409	ug/l 100
17) Allyl chloride	4.30	41	166766	18.746	ug/l 93
18) Methylene Chloride	4.53	84	116457	20.728	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	108508	20.322	ug/l 95
20) Diisopropyl ether	5.93	45	384260	20.271	ug/l 98
21) 1,1-Dichloroethane	5.82	63	219623	20.704	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	125813	20.286	ug/l 99
23) tert-Butyl Alcohol	4.75	59	95413	98.679	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	353319	20.667	ug/l 99
25) Chloroform	7.35	83	217642	20.263	ug/l 100
26) Cyclohexane	7.63	56	195930	19.762	ug/l 99
29) 1,1-Dichloropropene	7.78	75	167800	20.207	ug/l 98
30) 2-Butanone	6.81	43	404623	107.308	ug/l 99
31) 2,2-Dichloropropane	6.81	77	177027	20.706	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	182128	20.334	ug/l 99
33) Carbon Tetrachloride	7.76	117	150425	19.767	ug/l 95
34) Benzene	8.03	78	481507	20.440	ug/l 99
35) Methacrylonitrile	7.16	41	67384	20.777	ug/l 93
36) 1,2-Dichloroethane	8.11	62	186967	20.260	ug/l 100
37) Trichloroethene	8.82	130	119548	20.271	ug/l 94
38) Methylcyclohexane	9.07	83	199979	19.915	ug/l 98
39) 1,2-Dichloropropane	9.11	63	129697	20.184	ug/l 96
40) Dibromomethane	9.20	93	82821	20.422	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	157340	19.628	ug/l	99
42) Vinyl Acetate	5.87	43	1610285	111.849	ug/l	100
43) Ethyl Acetate	6.91	43	152412	20.358	ug/l	99
44) Isopropyl Acetate	8.15	43	265392	19.802	ug/l	96
45) 1,4-Dioxane	9.19	88	43326	383.206	ug/l	96
46) Methyl methacrylate	9.19	41	125154	19.705	ug/l	95
47) n-amyl Acetate	12.08	43	225887	19.364	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	170173	19.428	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	195285	20.024	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	113664	20.054	ug/l	96
51) Ethyl methacrylate	10.43	69	176985	19.736	ug/l	98
52) 1,3-Dichloropropane	10.71	76	202788	20.145	ug/l	99
53) Dibromochloromethane	10.90	129	108498	19.054	ug/l	98
54) 1,2-Dibromoethane	11.00	107	115597	19.985	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	390324	102.793	ug/l	99
56) Bromoform	12.13	173	67975	18.926	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	794248	111.067	ug/l	99
59) 2-Hexanone	10.75	43	594737	110.012	ug/l	100
61) Tetrachloroethene	10.63	164	95674	20.010	ug/l	98
62) Toluene	10.15	91	522832	20.917	ug/l	99
64) Chlorobenzene	11.44	112	313548	20.413	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	108778	20.202	ug/l	98
66) Ethyl Benzene	11.51	91	581370	21.331	ug/l	100
67) m/p-Xylenes	11.62	106	423940	40.515	ug/l	98
68) o-Xylene	11.95	106	203743	20.024	ug/l	97
69) Styrene	11.97	104	339552	19.956	ug/l	99
70) Isopropylbenzene	12.26	105	560023	21.239	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	168653	20.125	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	139536m	19.361	ug/l	
73) Bromobenzene	12.53	156	126712	19.841	ug/l	97
74) n-propylbenzene	12.60	91	660554	21.731	ug/l	100
75) 2-Chlorotoluene	12.68	91	387633	20.386	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	473360	20.850	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	43786	18.625	ug/l	94
78) 4-Chlorotoluene	12.78	91	399005	20.475	ug/l	100
79) tert-butylbenzene	13.00	119	406337	20.671	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	475963	21.003	ug/l	100
81) sec-Butylbenzene	13.18	105	547676	21.242	ug/l	99
82) p-Isopropyltoluene	13.30	119	493187	21.242	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	235670	20.001	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	228821	19.512	ug/l	100
85) n-Butylbenzene	13.62	91	446283	20.689	ug/l	100
86) Hexachloroethane	13.88	117	71569	19.084	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	228429	19.854	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	30885	18.883	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	141198	18.784	ug/l	98
90) Hexachlorobutadiene	15.02	225	72033	19.805	ug/l	96
91) Naphthalene	15.14	128	395042	19.137	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	133570	18.502	ug/l	98

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QLast Update : Wed Sep 25 01:36:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

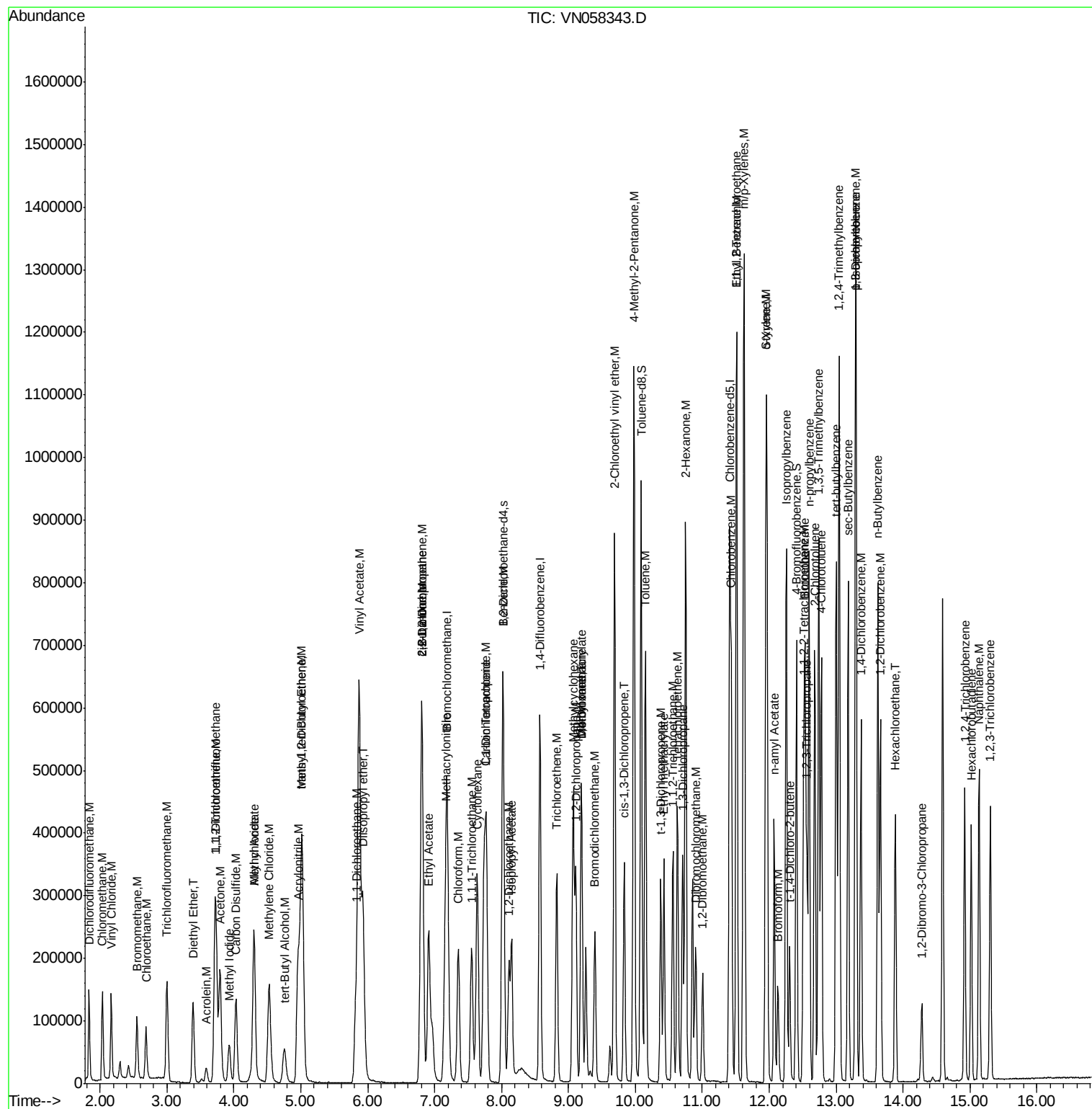
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
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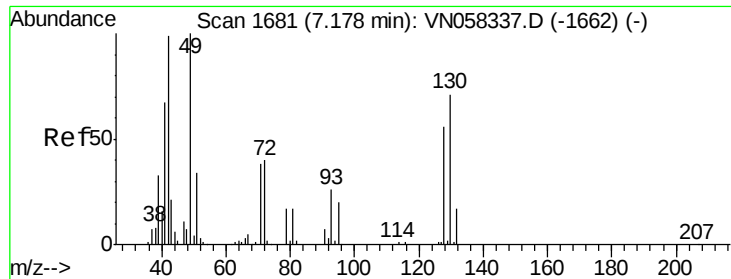
Instrument :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

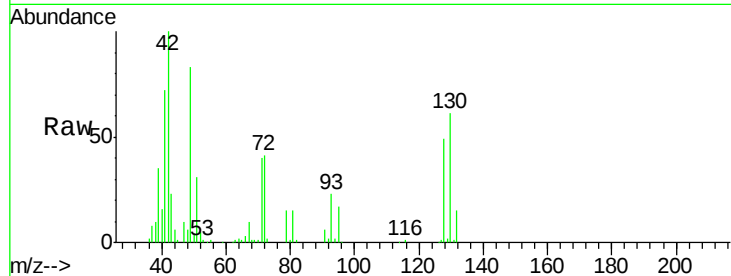
ClientSampleId :

ICVVN092419

Tot Ion:	128	Resp:	86757
Ion	Ratio	Lower	Upper
128	100		
49	182.4	0.0	458.5
130	128.0	0.0	320.7

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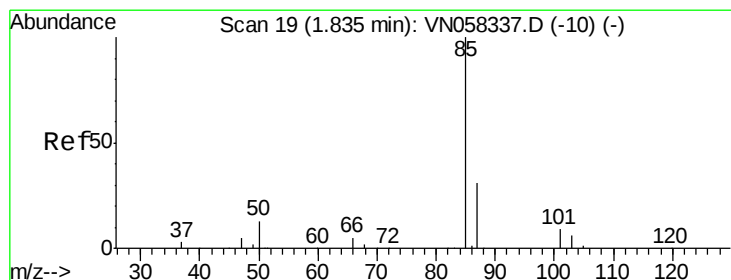
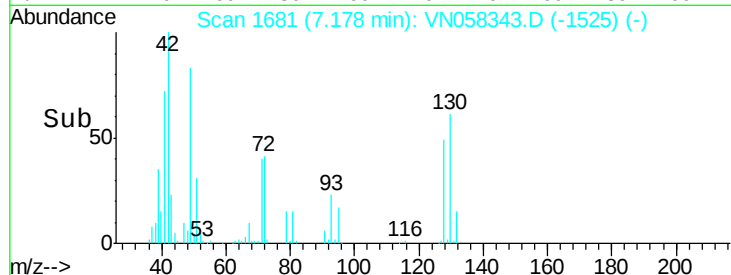
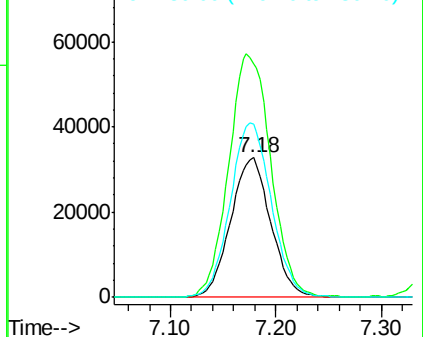
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.699 ug/l

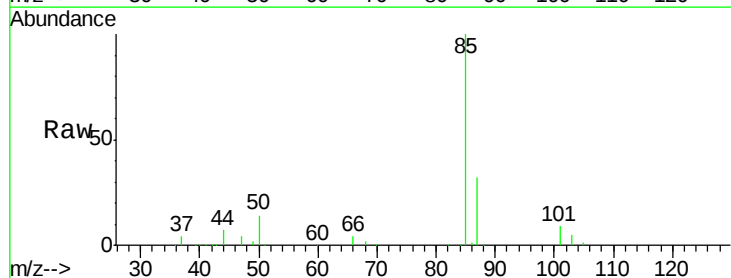
RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058343.D

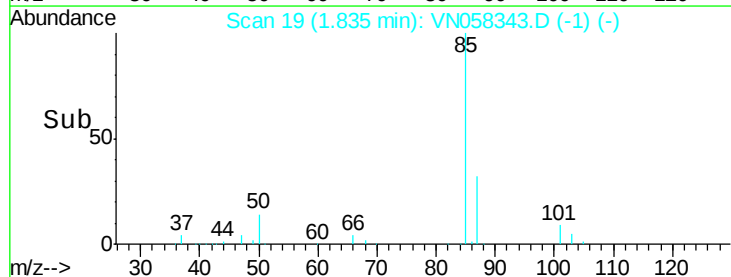
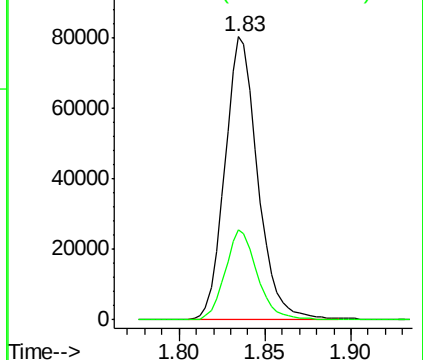
Acq: 24 Sep 2019 13:43

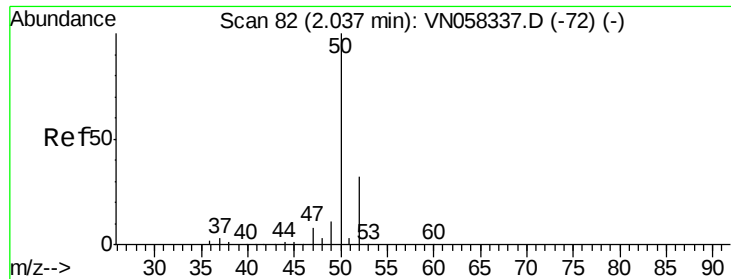
Tgt Ion:	85	Resp:	107989
Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.5	46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.754 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

Tot Ion: 50 Resp: 125024

Ion Ratio Lower Upper

50 100

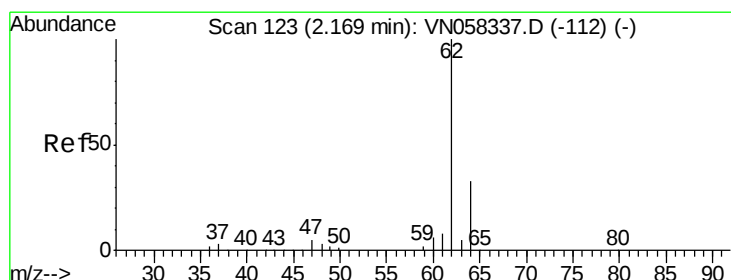
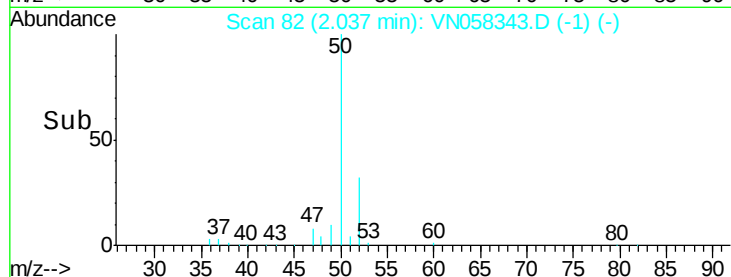
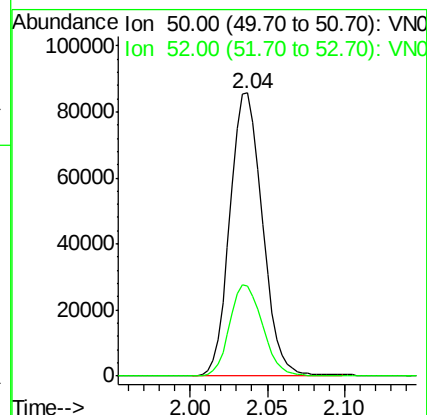
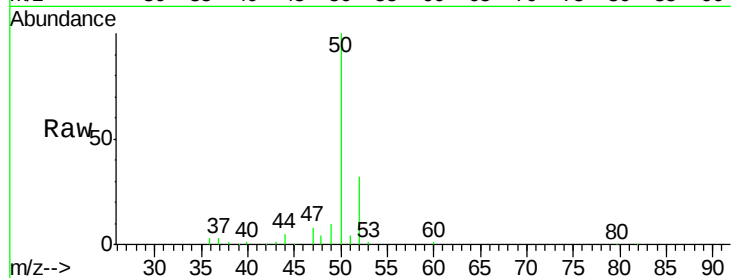
52 31.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.393 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058343.D

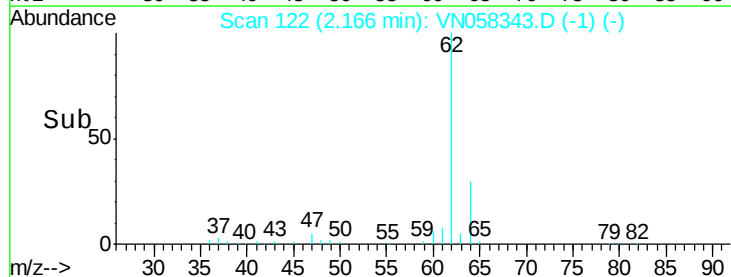
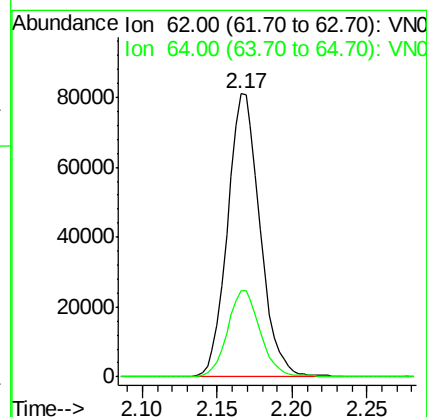
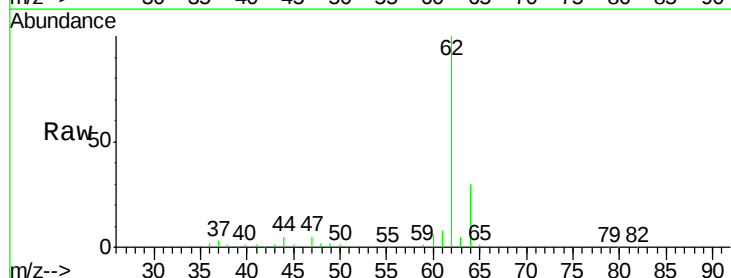
Acq: 24 Sep 2019 13:43

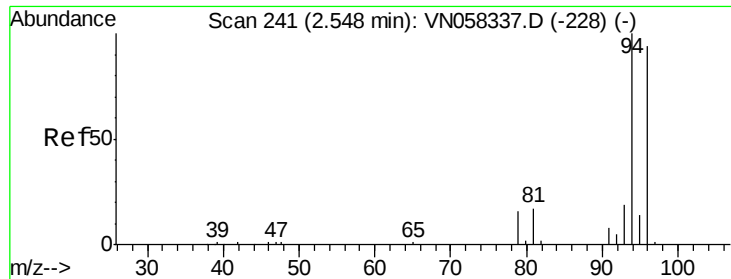
Tgt Ion: 62 Resp: 122586

Ion Ratio Lower Upper

62 100

64 30.3 26.6 40.0





#5

Bromomethane

Concen: 19.463 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

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ICVVN092419

Tot Ion: 94 Resp: 63526

Ion Ratio Lower Upper

94 100

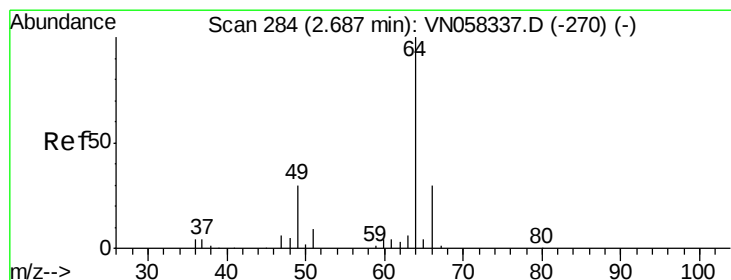
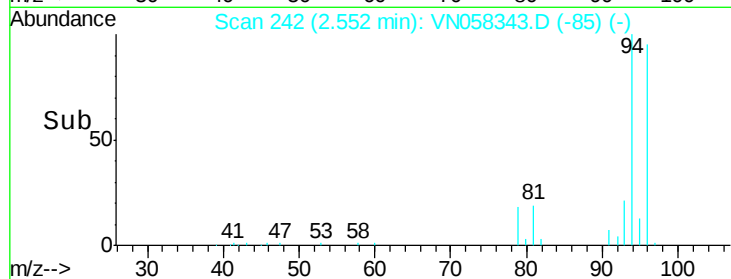
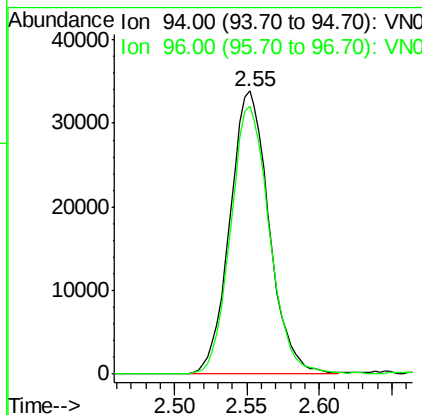
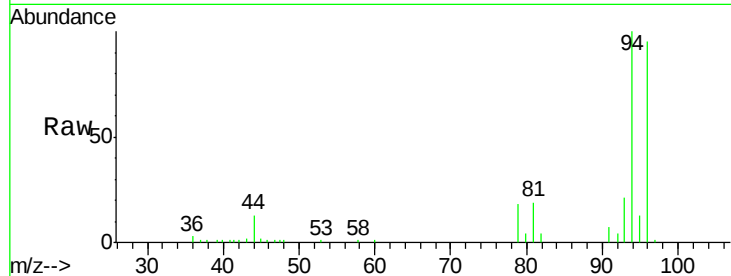
96 94.8 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 20.930 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058343.D

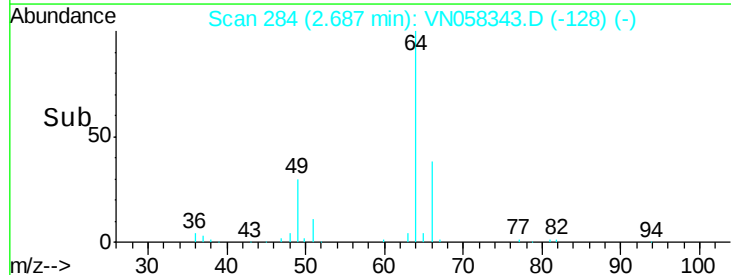
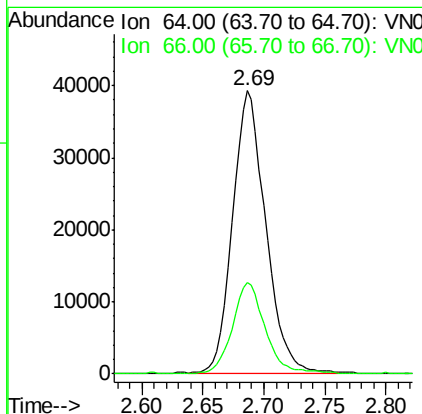
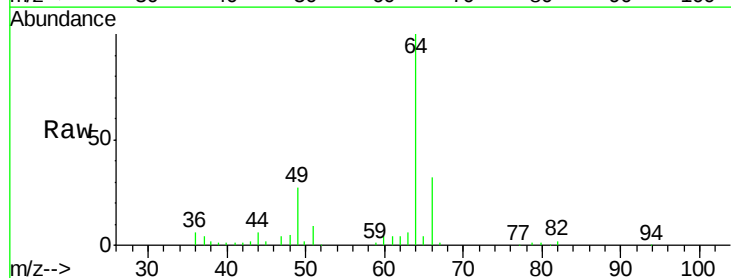
Acq: 24 Sep 2019 13:43

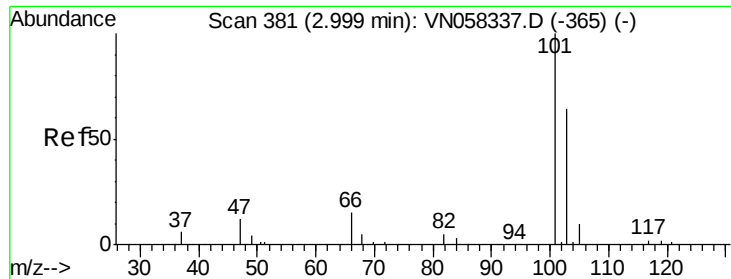
Tgt Ion: 64 Resp: 74352

Ion Ratio Lower Upper

64 100

66 32.2 23.8 35.6





#7

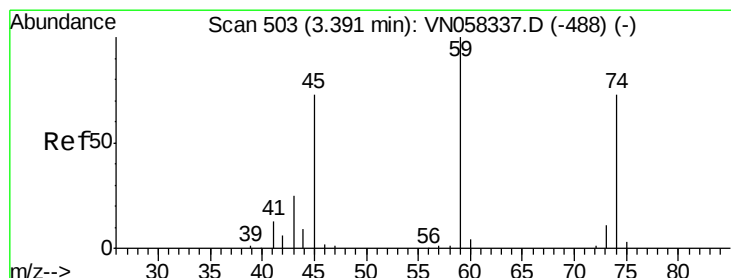
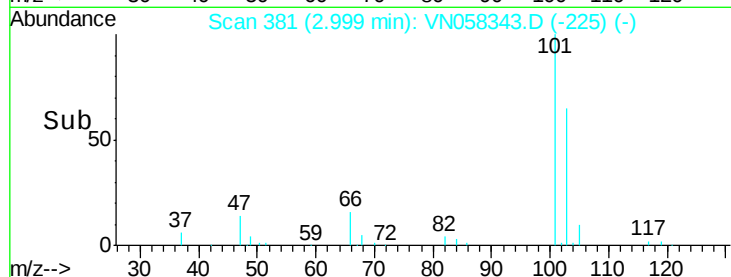
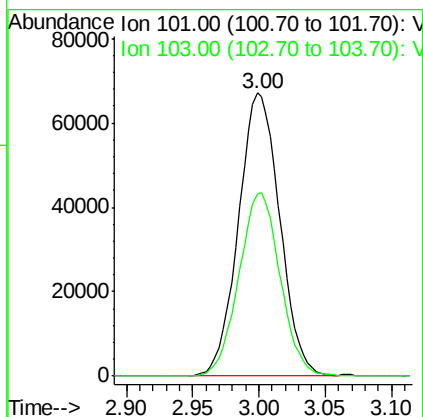
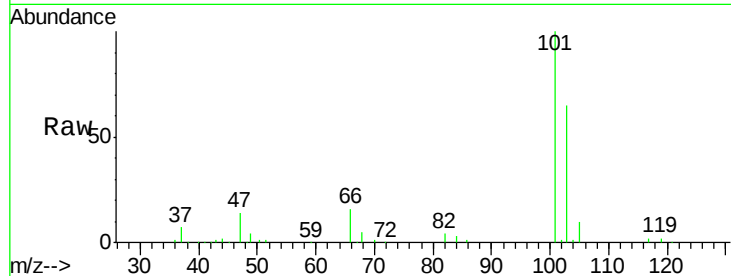
Trichlorofluoromethane
 Concen: 20.534 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.5	77.3

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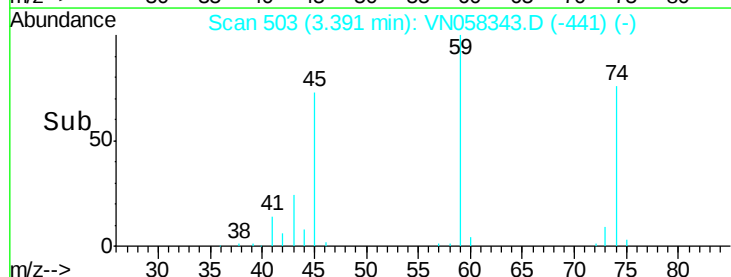
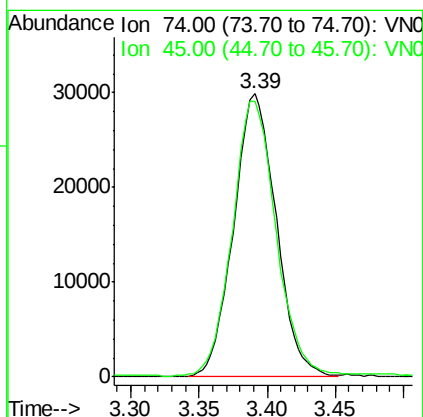
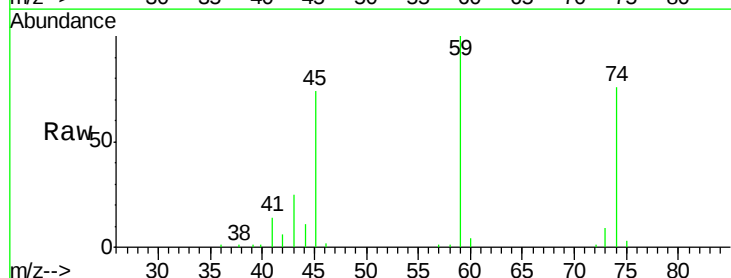
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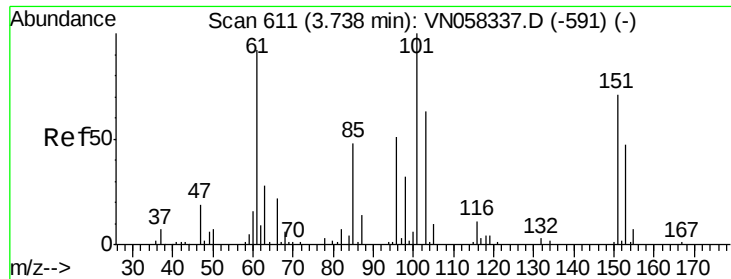


#8

Diethyl Ether
 Concen: 20.563 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	20.8	187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.203 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

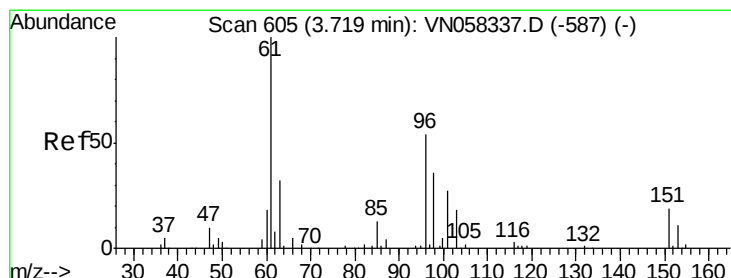
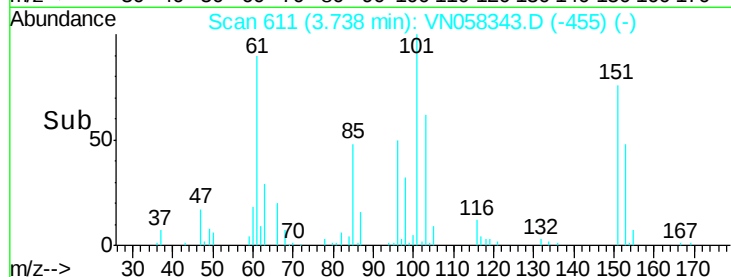
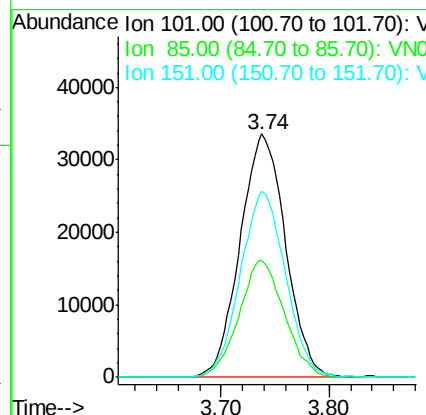
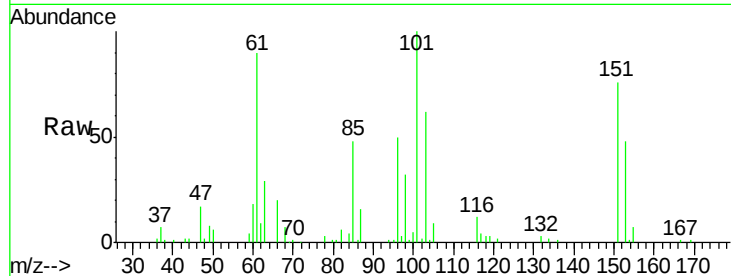
ClientSampleId :

ICVVN092419

Tot Ion:	101	Resp:	98428
Ion Ratio	Lower	Upper	
101	100		
85	47.9	0.0	93.0
151	75.7	0.0	147.2

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#10

1,1-Dichloroethene

Concen: 20.091 ug/l

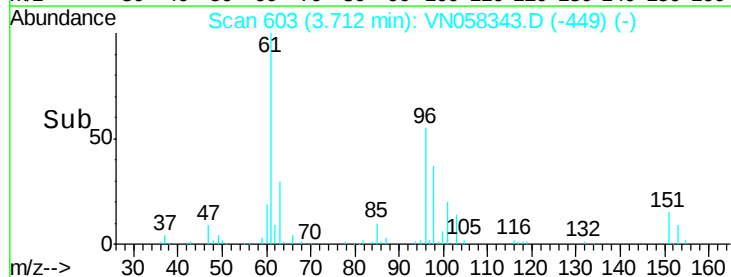
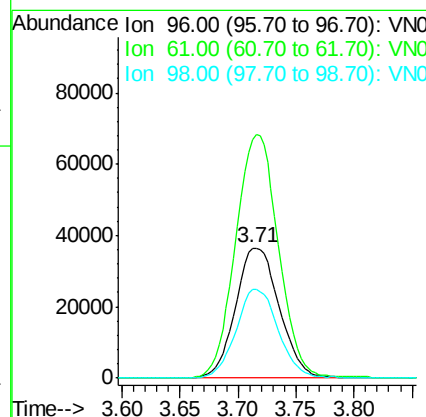
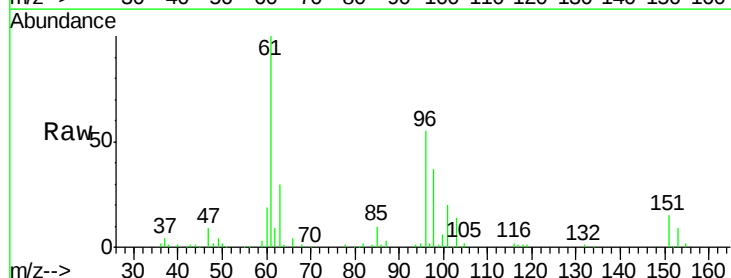
RT: 3.71 min Scan# 603

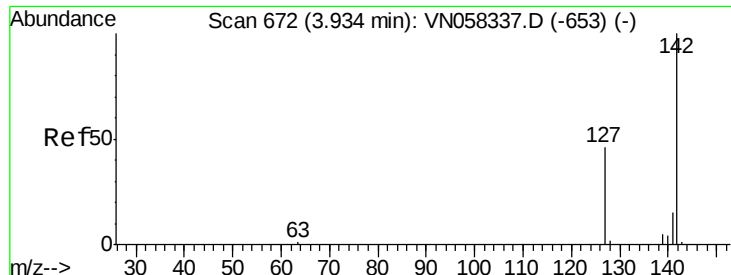
Delta R.T. -0.01 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tgt Ion:	96	Resp:	95687
Ion Ratio	Lower	Upper	
96	100		
61	182.9	146.9	220.3
98	67.9	52.3	78.5





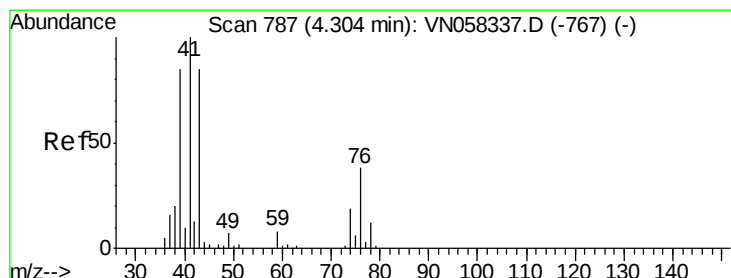
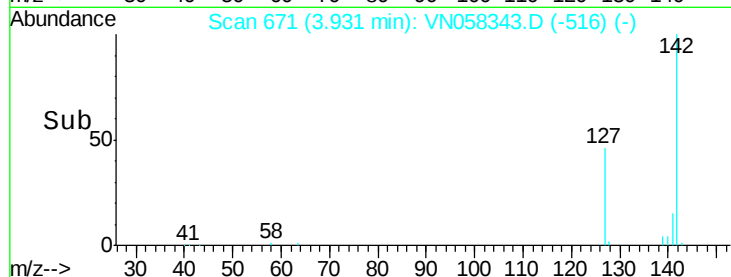
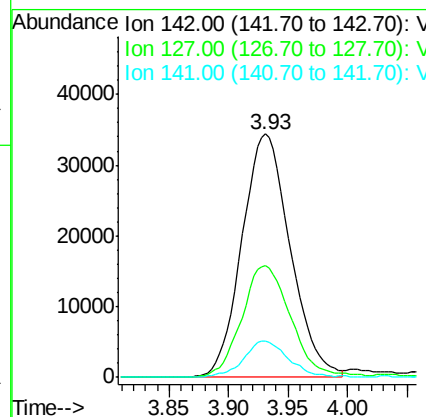
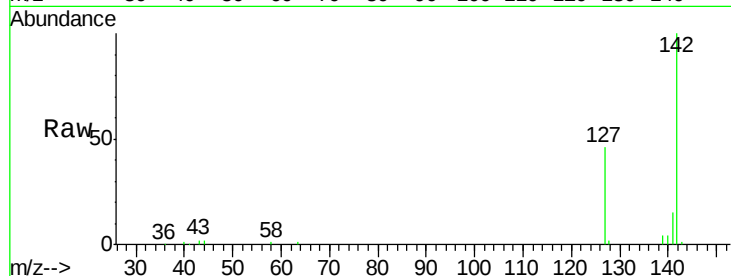
#11
Methvl Iodide
Concen: 19.850 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.6	22.9	68.7
141	14.9	7.4	22.3

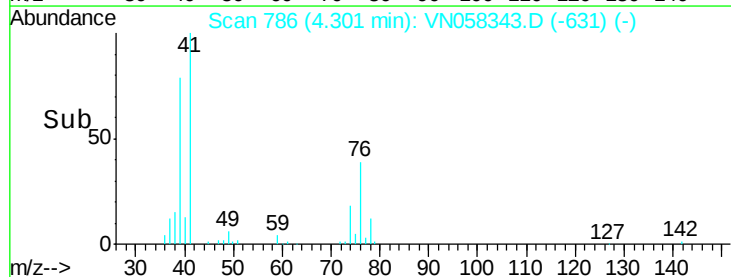
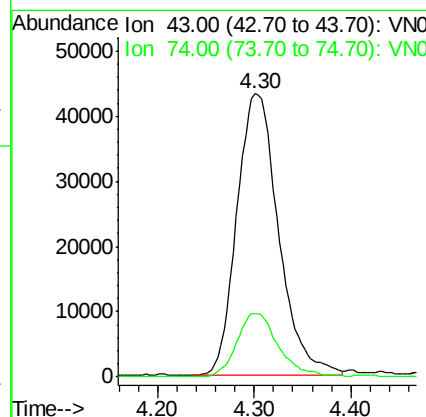
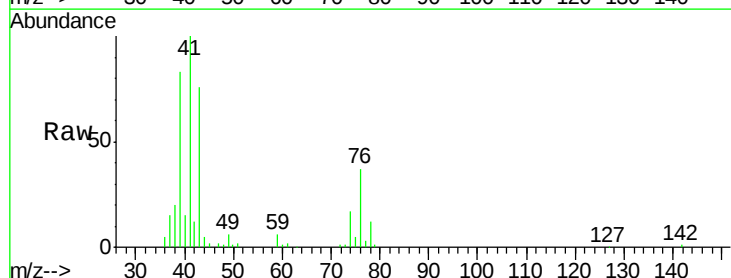
Manual Integrations
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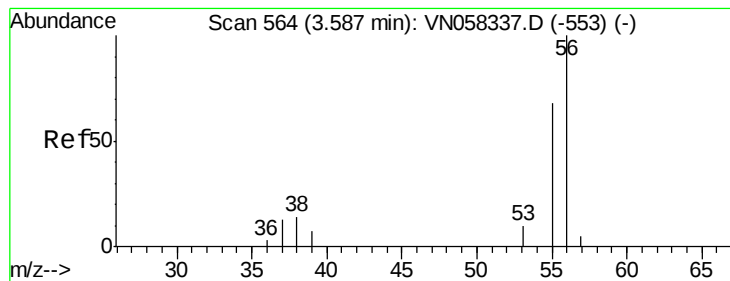
MMDadoda
9/25/2019 8:24:04 AM



#12
Methyl Acetate
Concen: 20.475 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.8	26.6





#13

Acrolein

Concen: 143.433 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tot Ion: 56 Resp: 25872

Ion Ratio Lower Upper

56 100

55 76.0 58.4 87.6

Instrument :

MSVOA_N

ClientSampleId :

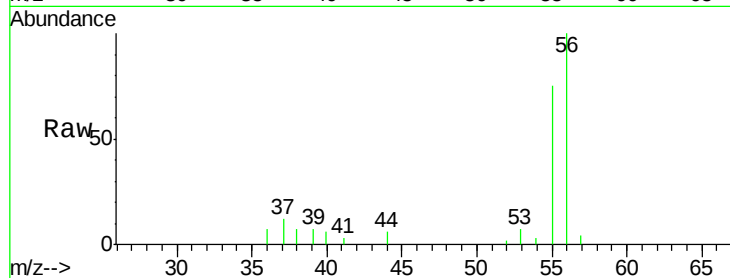
ICVVN092419

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

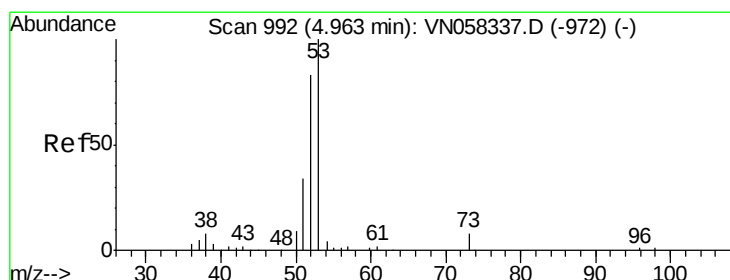
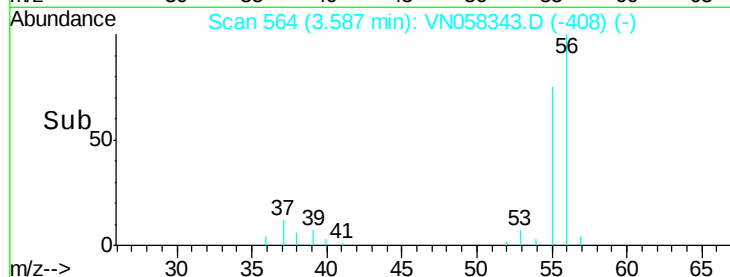
4000

2000

0

Time-->

3.50 3.55 3.60 3.65



#14

Acrylonitrile

Concen: 102.374 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

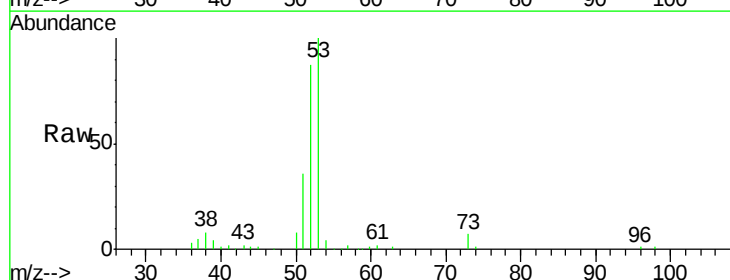
Tgt Ion: 53 Resp: 268138

Ion Ratio Lower Upper

53 100

52 83.4 41.3 123.7

51 36.4 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

100000

80000

60000

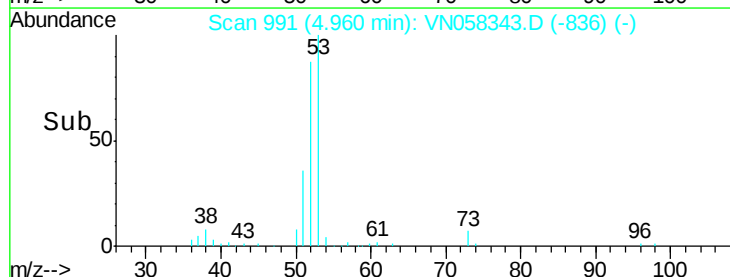
40000

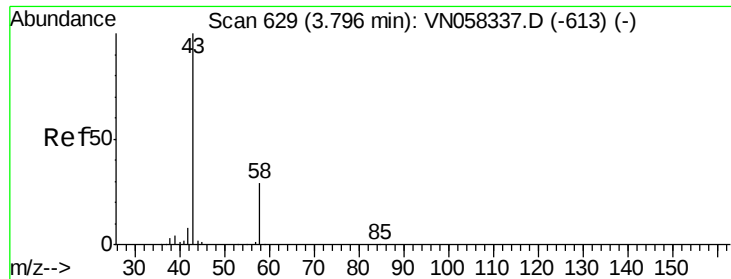
20000

0

Time-->

4.80 4.90 5.00 5.10





#15

Acetone

Concen: 117.243 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampled :

ICVVN092419

Tot Ion: 58 Resp: 85146

Ion Ratio Lower Upper

58 100

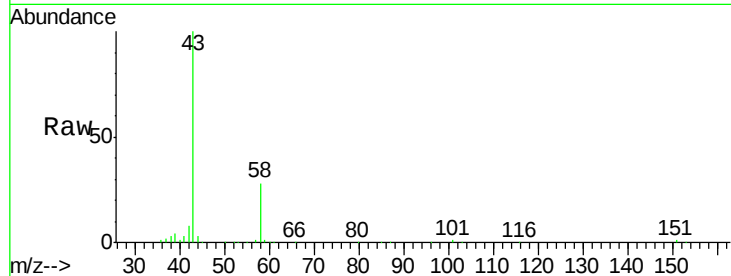
43 356.6 272.6 409.0

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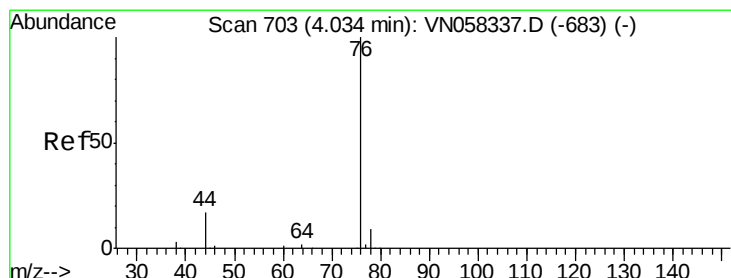
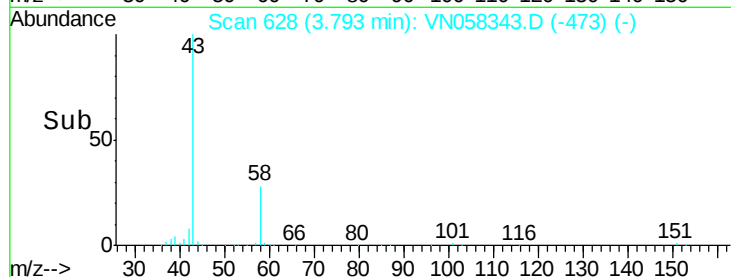
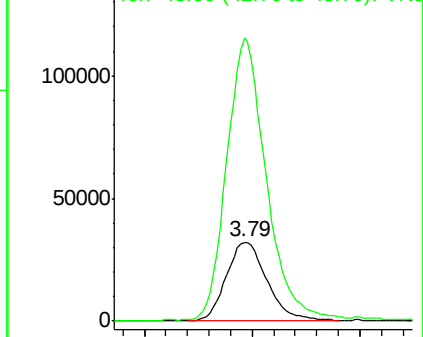
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Abundance Ion 58.00 (57.70 to 58.70): VNC

Ion 43.00 (42.70 to 43.70): VNC



#16

Carbon Disulfide

Concen: 19.409 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058343.D

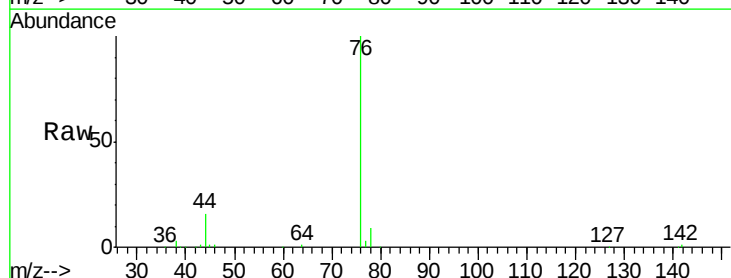
Acq: 24 Sep 2019 13:43

Tgt Ion: 76 Resp: 256888

Ion Ratio Lower Upper

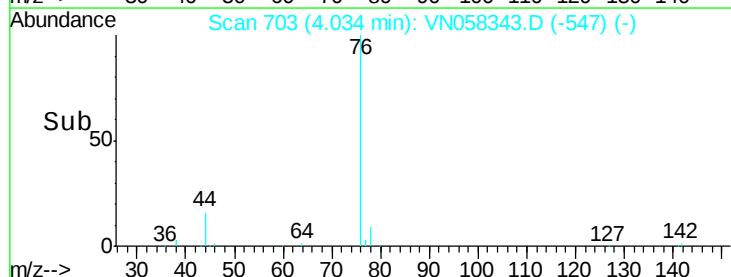
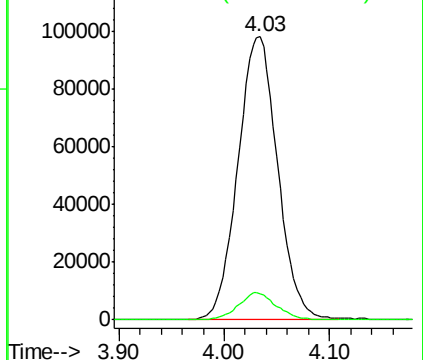
76 100

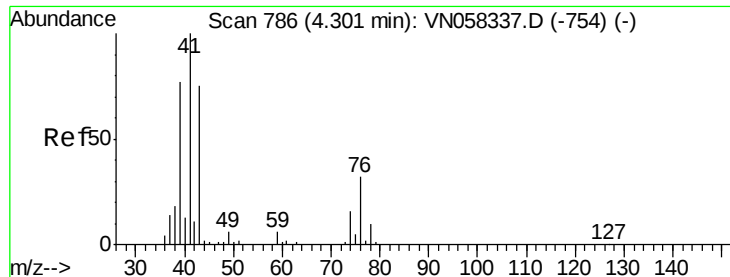
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VNC

Ion 78.00 (77.70 to 78.70): VNC





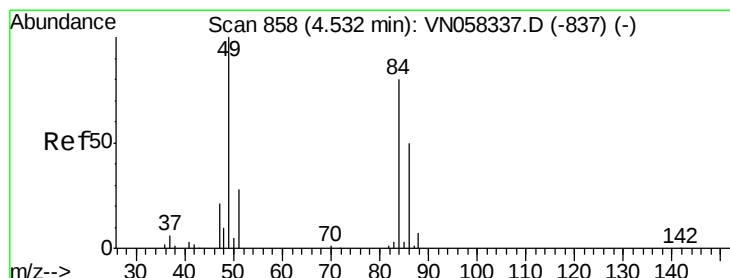
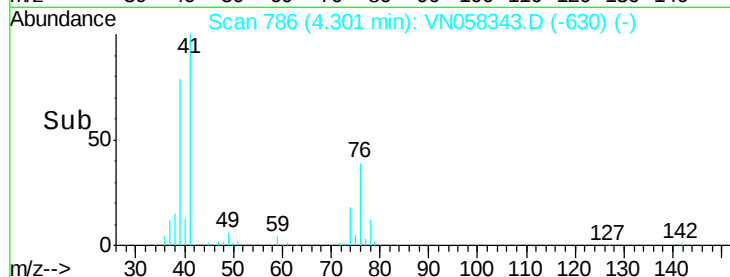
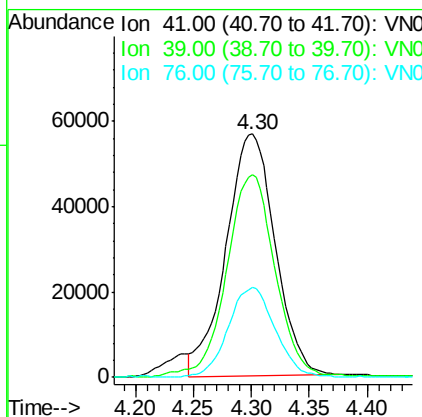
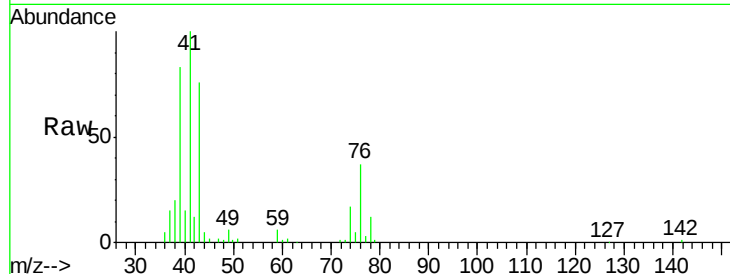
#17
Allvl chloride
Concen: 18.746 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion:	41	Resp:	166766
Ion	Ratio	Lower	Upper
41	100		
39	83.2	38.7	116.1
76	37.3	16.4	49.1

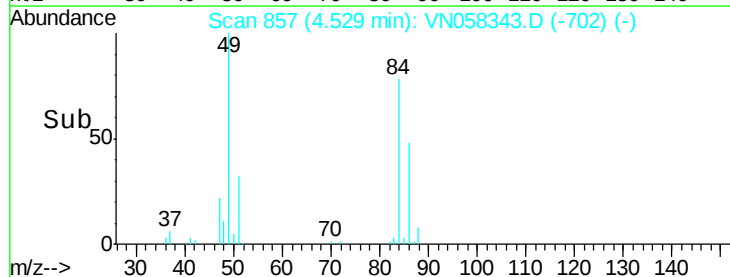
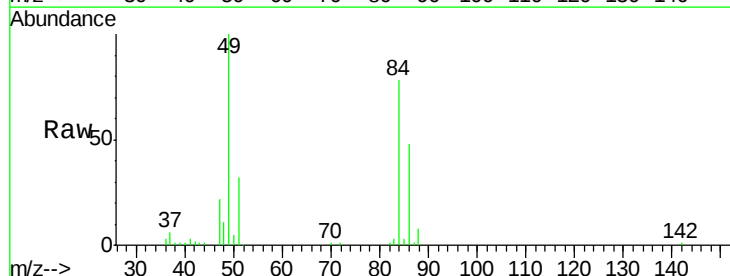
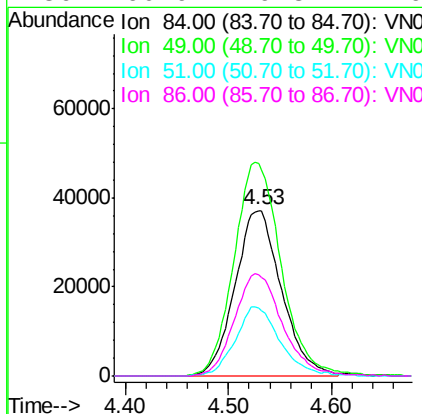
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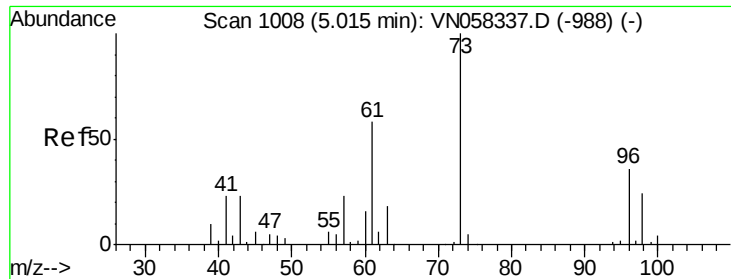
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#18
Methylene Chloride
Concen: 20.728 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion:	84	Resp:	116457
Ion	Ratio	Lower	Upper
84	100		
49	127.4	99.8	149.6
51	41.0	28.3	42.5
86	60.9	49.8	74.6





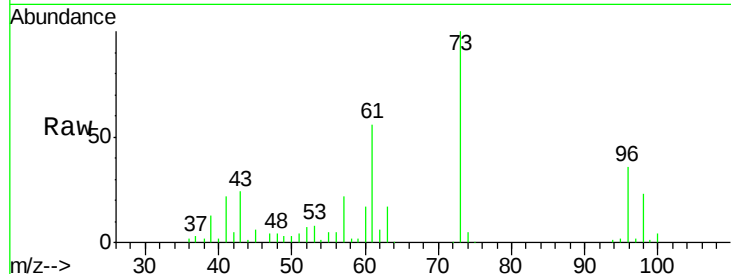
#19
trans-1,2-Dichloroethene
Concen: 20.322 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

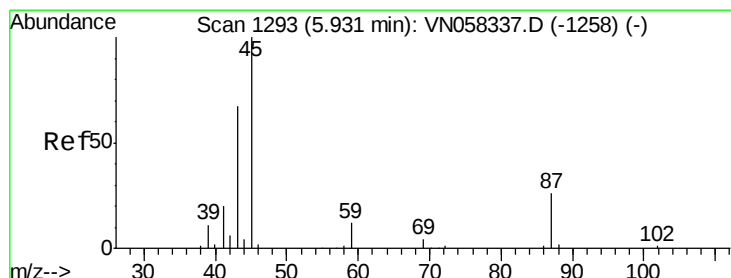
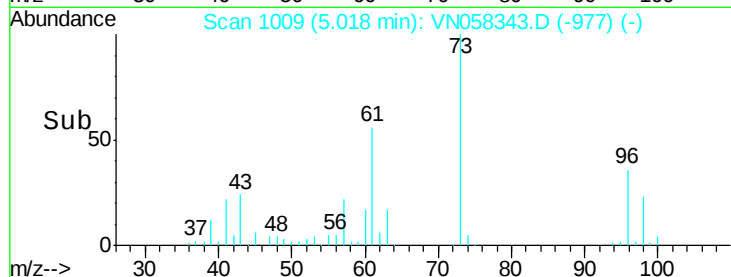
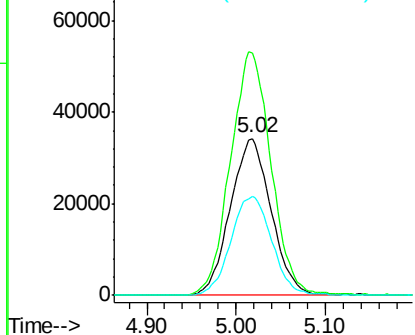
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	128.0	192.0
98	62.8	53.0	79.6

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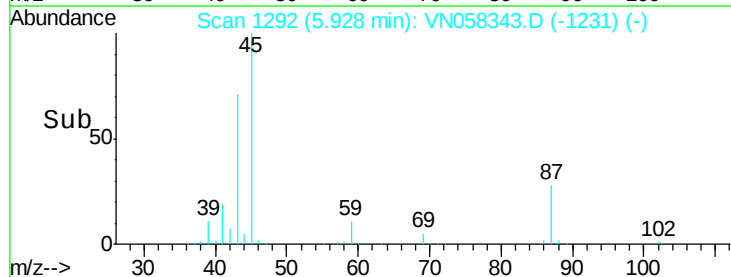
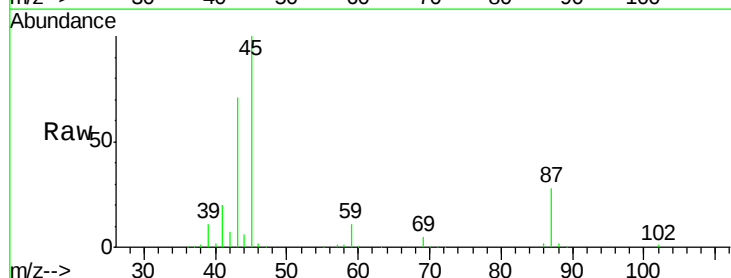
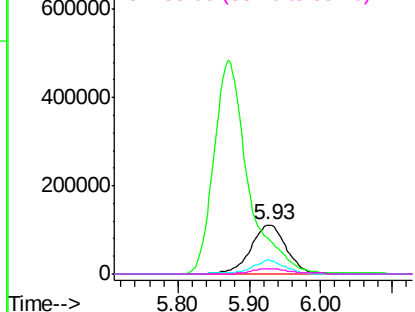
Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

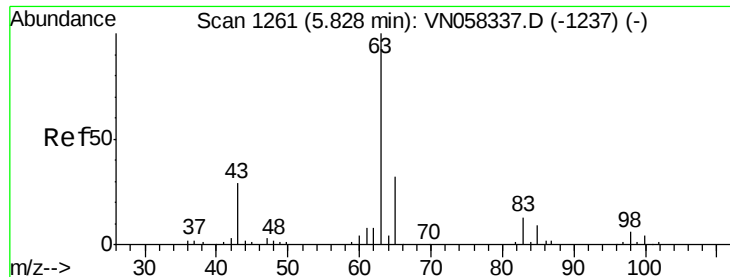


#20
Diisopropyl ether
Concen: 20.271 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.8	54.1	81.1
87	28.1	21.4	32.2
59	10.8	9.3	13.9

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 20.704 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

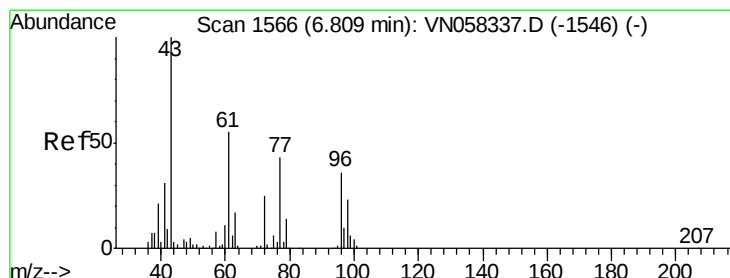
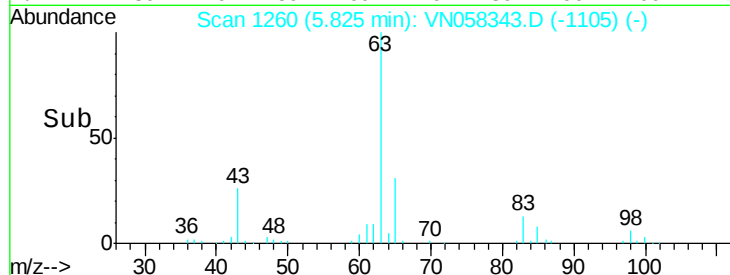
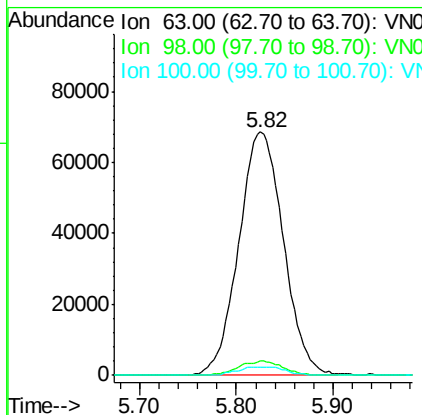
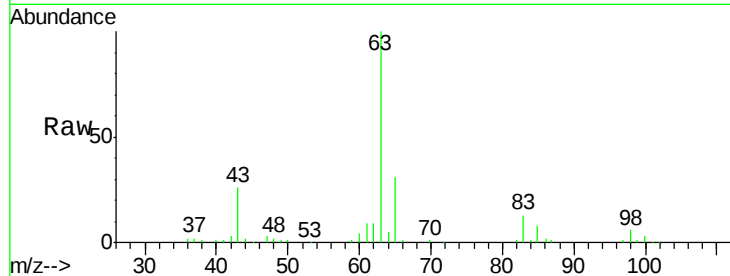
ClientSampleId :

ICVVN092419

Tot Ion:	63	Resp:	219623
Ion Ratio		Lower	Upper
63	100		
98	5.7	3.0	9.2
100	3.3	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 20.286 ug/l

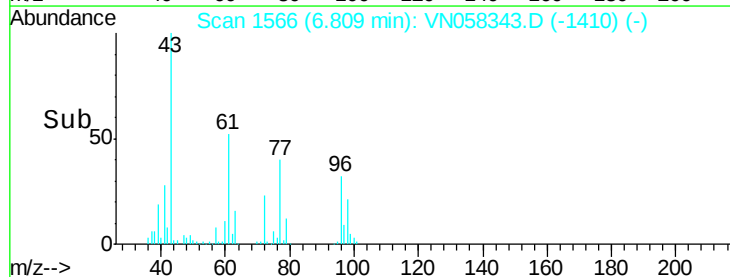
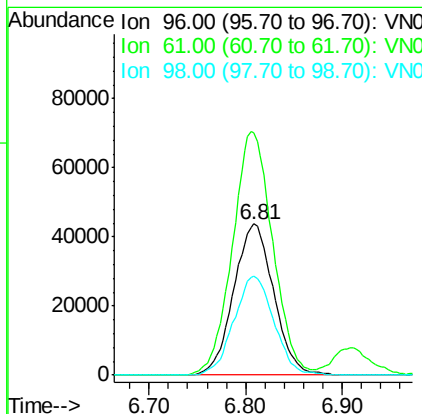
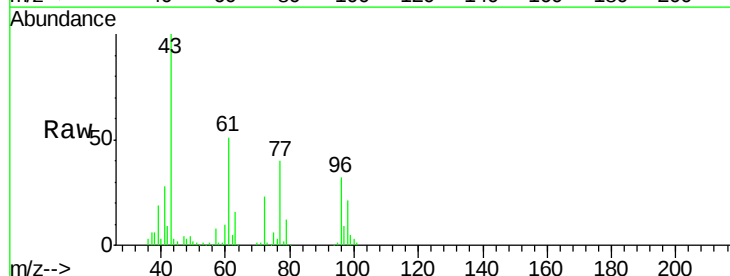
RT: 6.81 min Scan# 1566

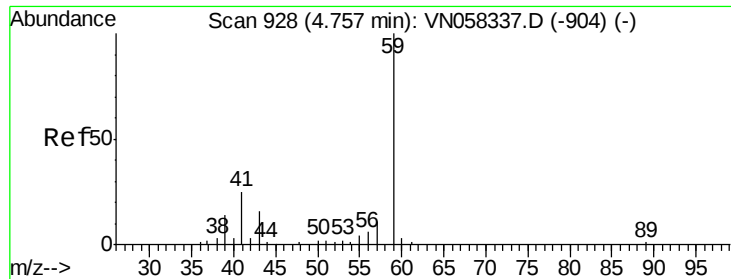
Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tgt Ion:	96	Resp:	125813
Ion Ratio		Lower	Upper
96	100		
61	161.5	128.2	192.2
98	65.4	50.6	76.0





#23

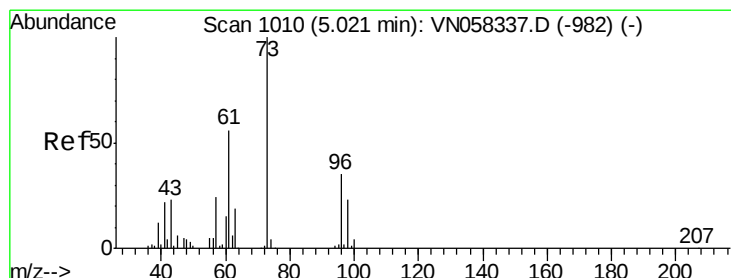
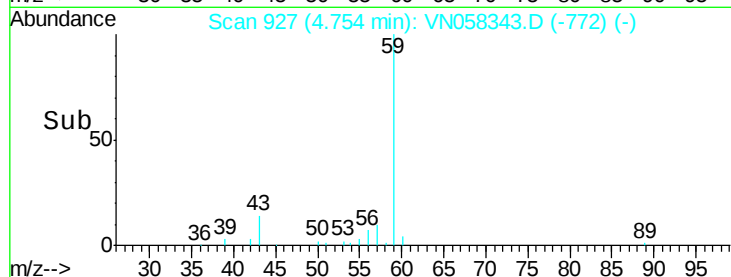
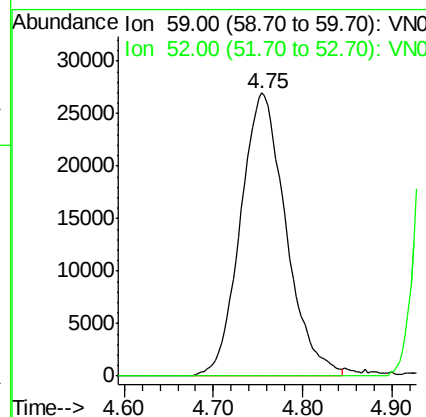
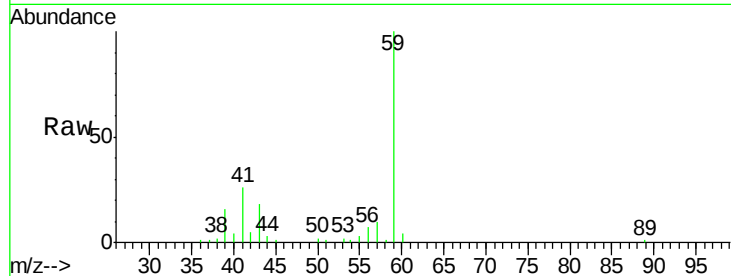
tert-Butyl Alcohol
 Concen: 98.679 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion	59	52
Resp	95413	
Ratio	100	0.1
Lower		0.1
Upper		0.1#

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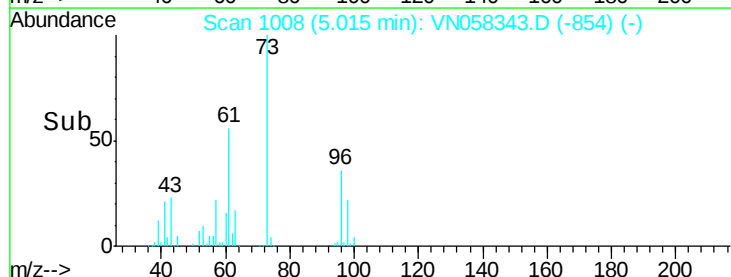
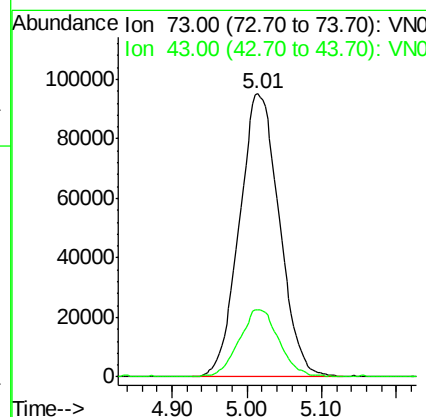
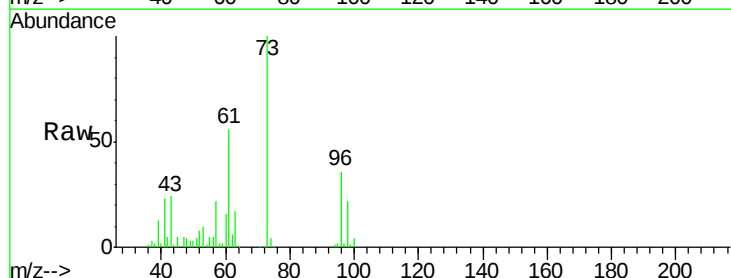
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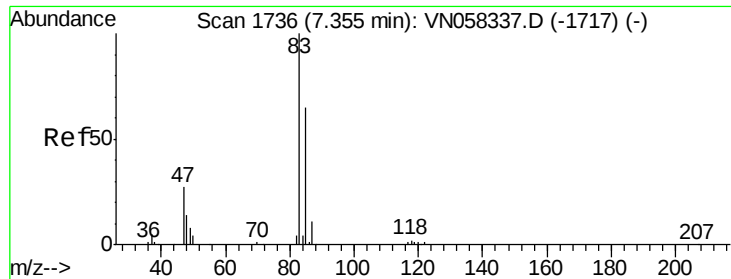


#24

Methyl tert-Butyl Ether
 Concen: 20.667 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	73	43
Resp	353319	
Ratio	100	22.6
Lower		18.4
Upper		27.6





#25

Chloroform

Concen: 20.263 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

Tot Ion: 83 Resp: 217642

Ion Ratio Lower Upper

83 100

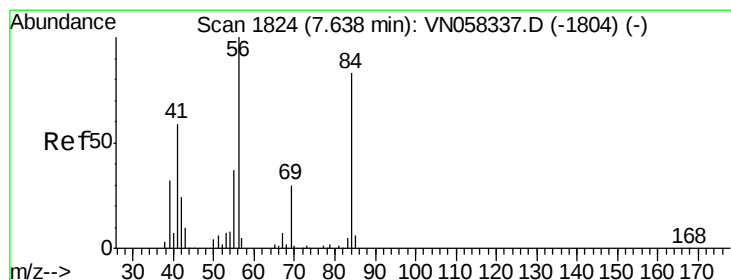
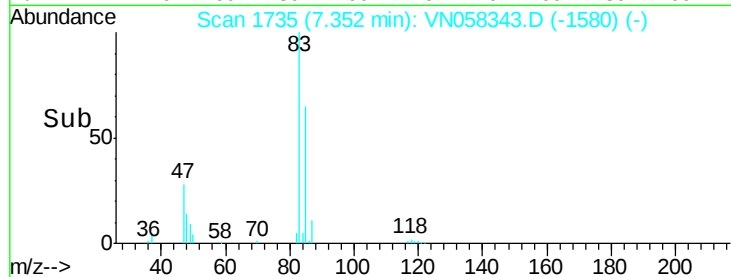
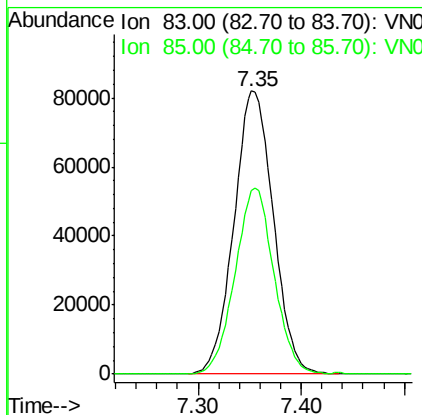
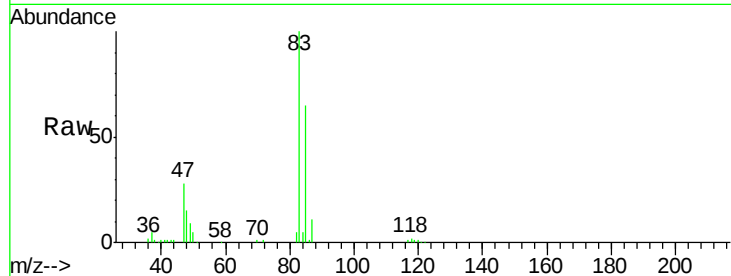
85 64.6 51.8 77.6

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#26

Cyclohexane

Concen: 19.762 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

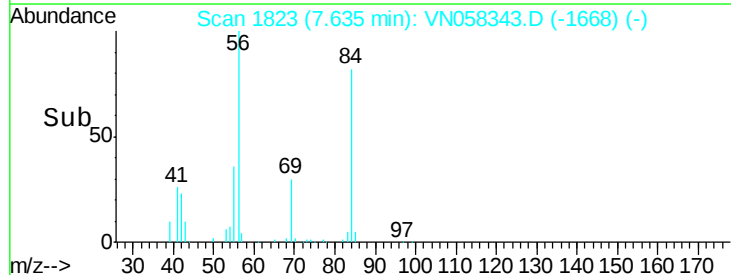
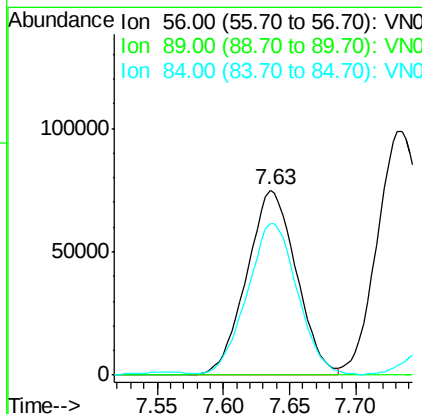
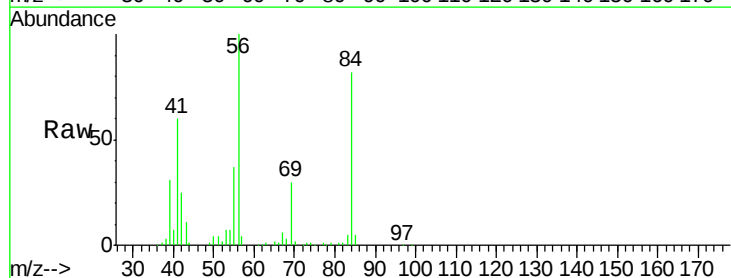
Tgt Ion: 56 Resp: 195930

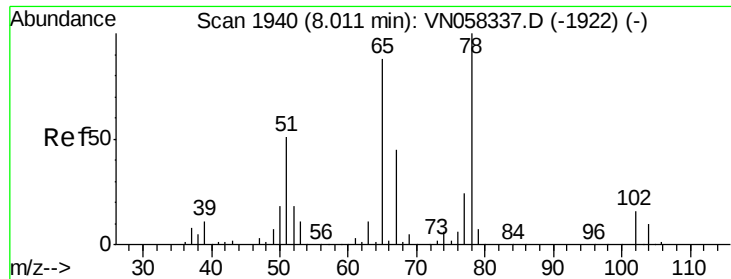
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 82.4 66.9 100.3





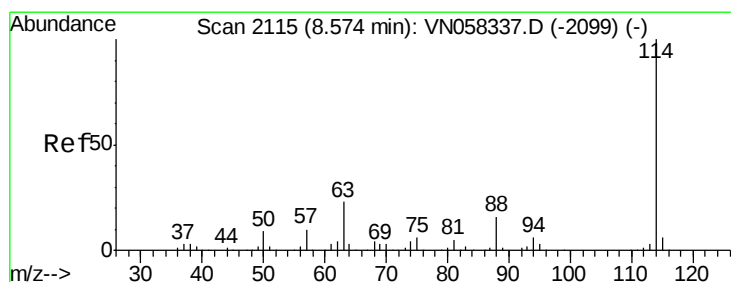
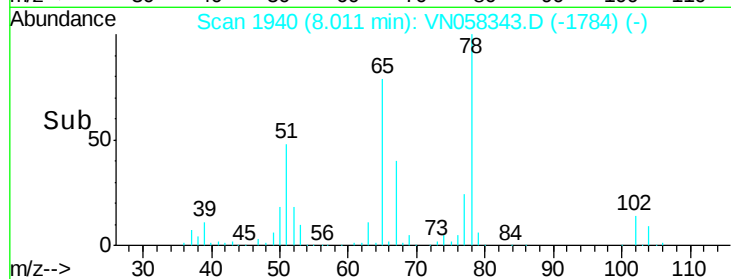
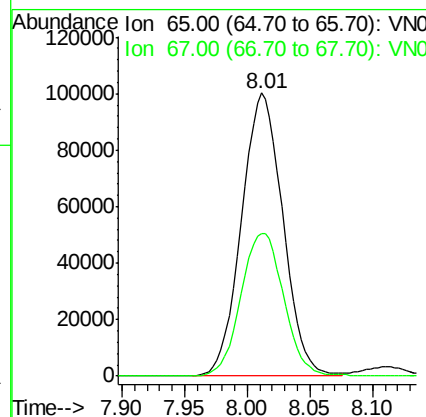
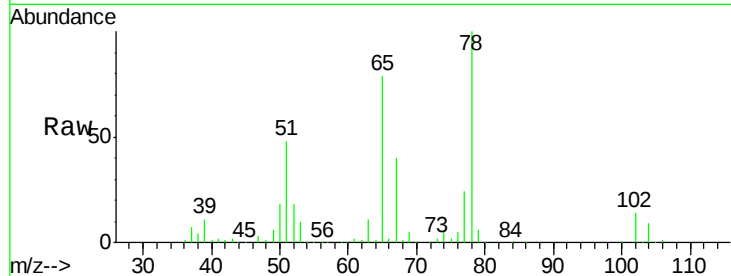
#27
 1,2-Dichloroethane-d4
 Concen: 29.967 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion	Ratio	Resp	Lower	Upper
65	100	229820		
67	52.1	40.4	60.6	

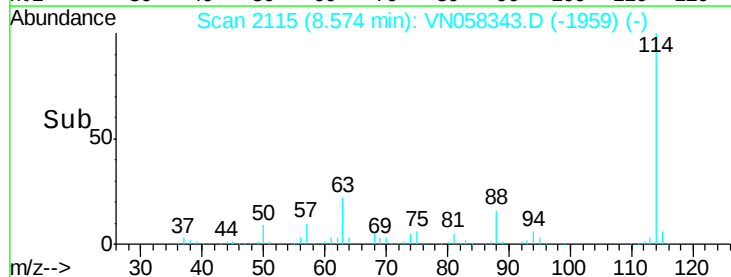
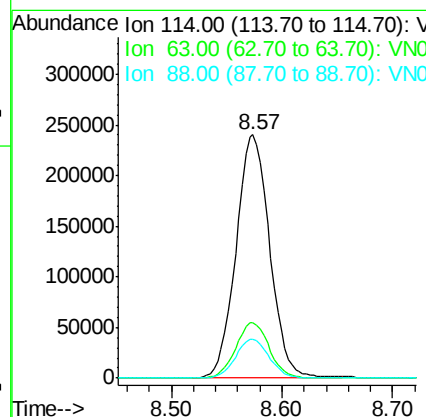
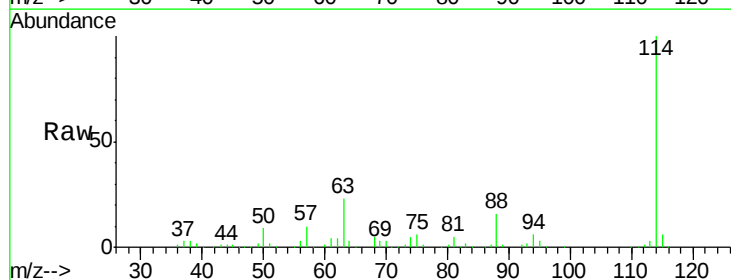
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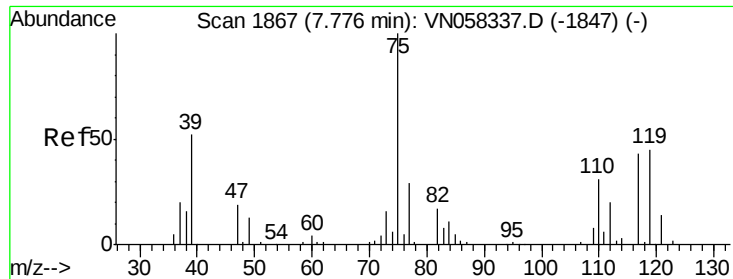
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	508740		
63	22.6	17.8	26.8	
88	15.9	12.7	19.1	





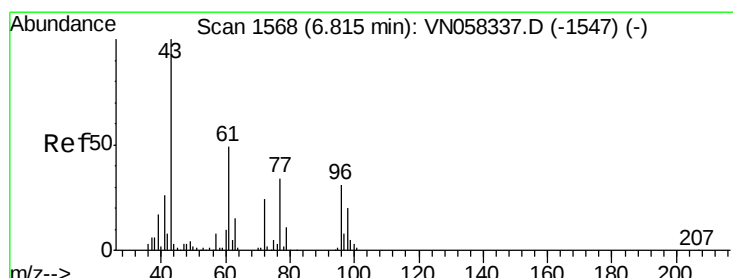
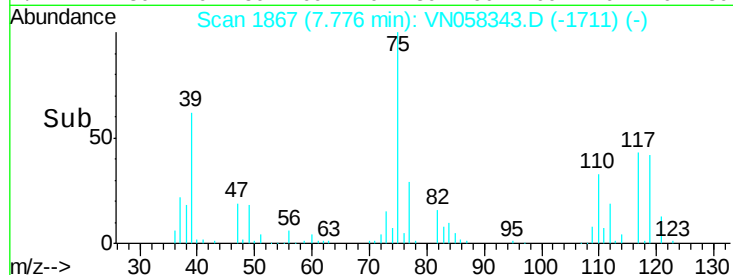
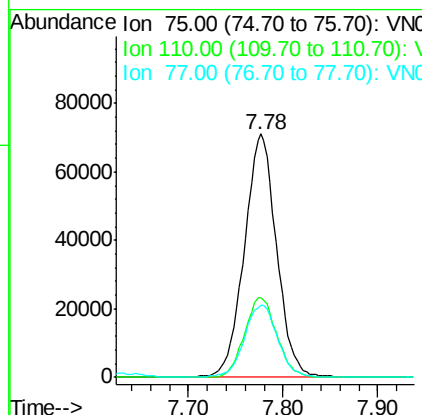
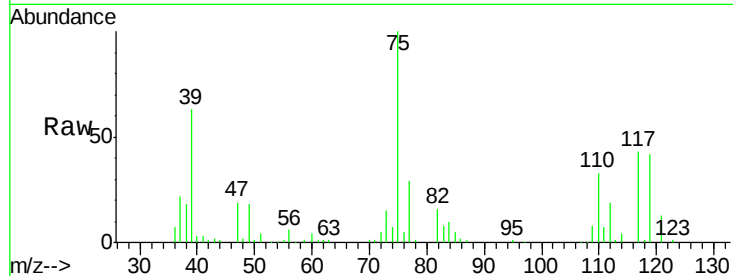
#29
 1,1-Dichloropropene
 Concen: 20.207 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.7	0.0	63.6
77	30.8	0.0	59.4

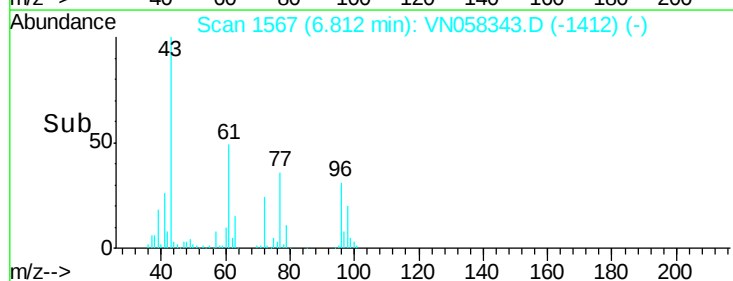
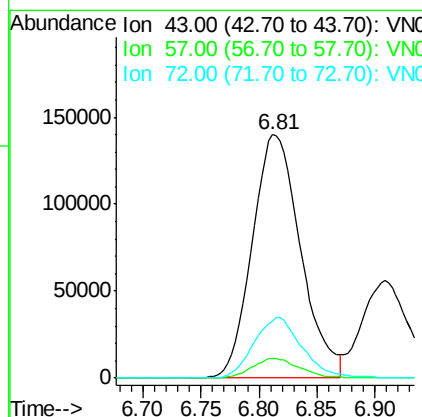
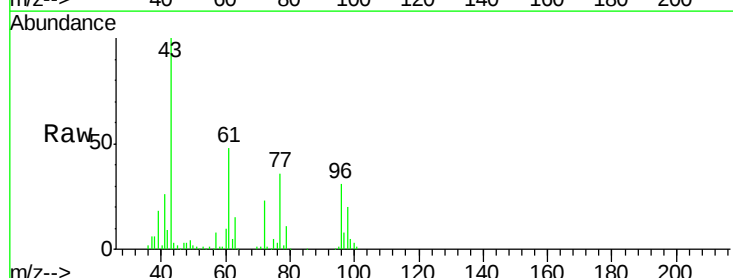
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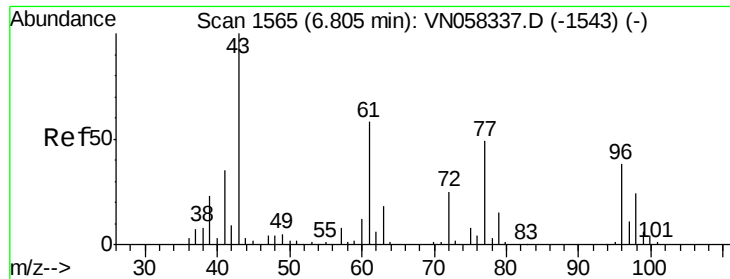
MMDadoda
 9/25/2019 8:24:04 AM



#30
 2-Butanone
 Concen: 107.308 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.2	9.4
72	25.0	20.3	30.5





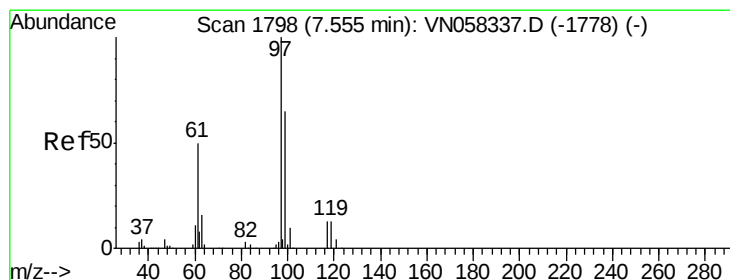
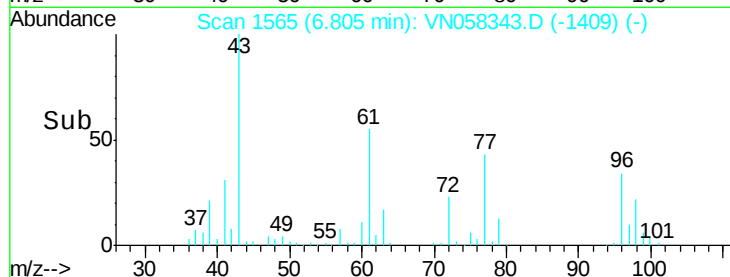
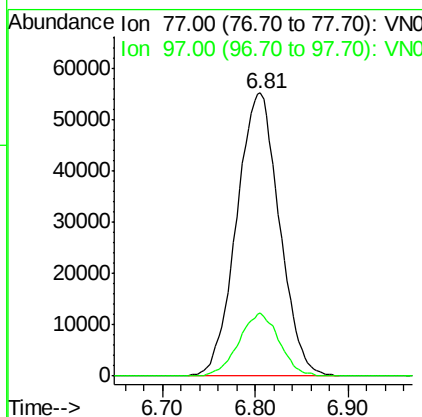
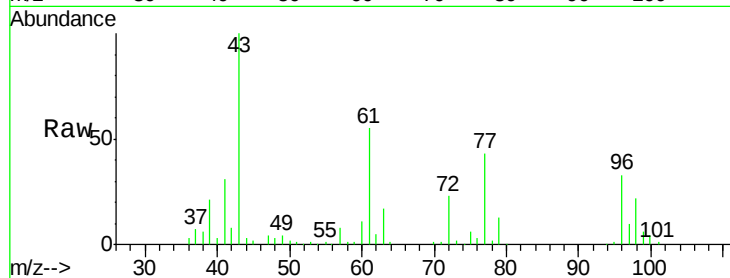
#31
 2,2-Dichloropropane
 Concen: 20.706 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion: 77 Resp: 177027
 Ion Ratio Lower Upper
 77 100
 97 21.1 17.6 26.4

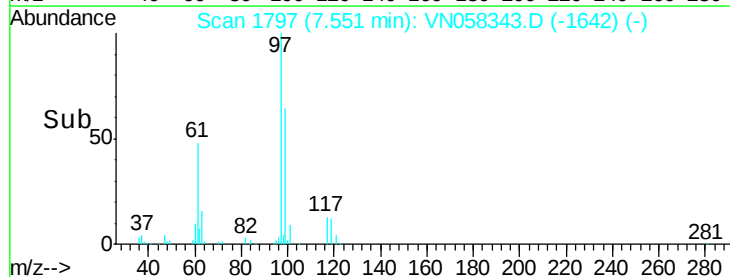
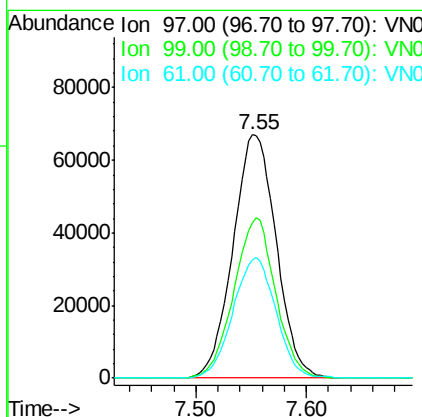
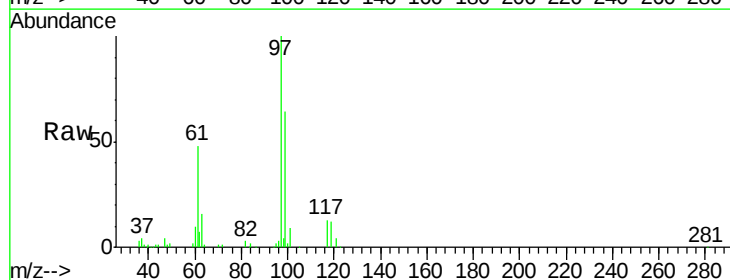
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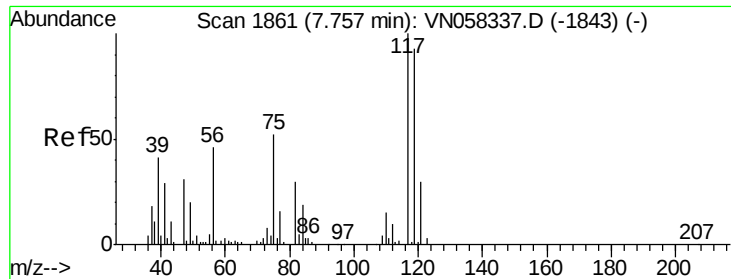
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#32
 1,1,1-Trichloroethane
 Concen: 20.334 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 97 Resp: 182128
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.8 77.6
 61 48.8 39.4 59.2





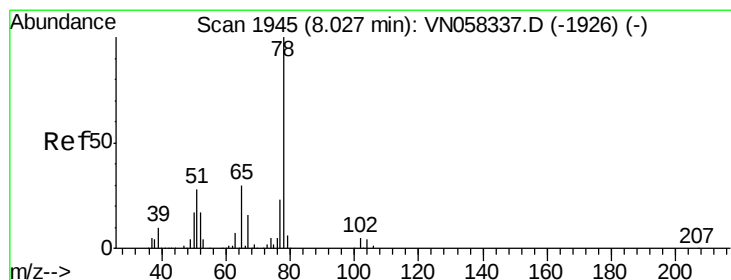
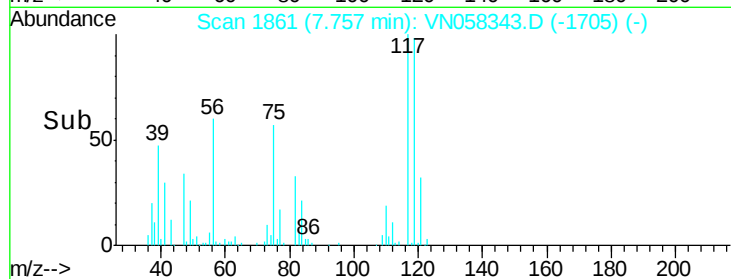
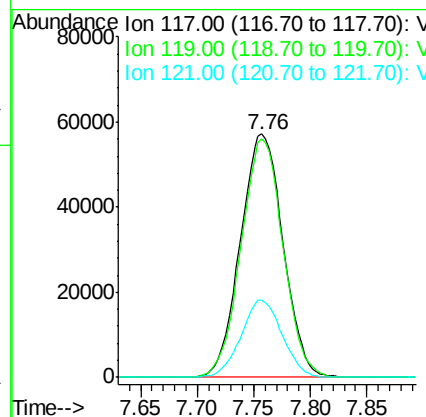
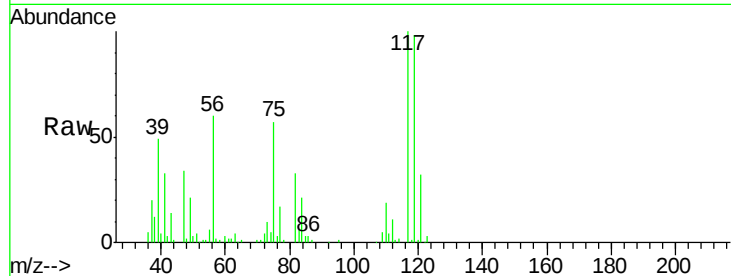
#33
Carbon Tetrachloride
Concen: 19.767 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion:	117	Resp:	150425
Ion Ratio	Lower	Upper	
117	100		
119	97.9	74.2	111.4
121	31.6	23.9	35.9

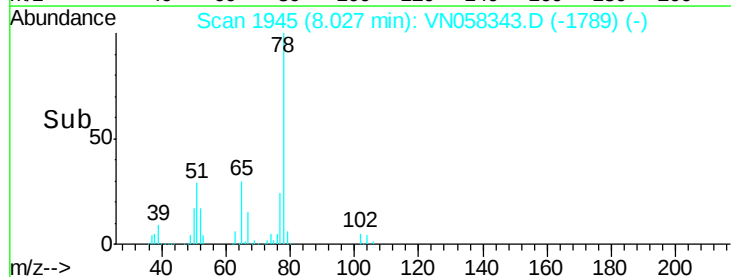
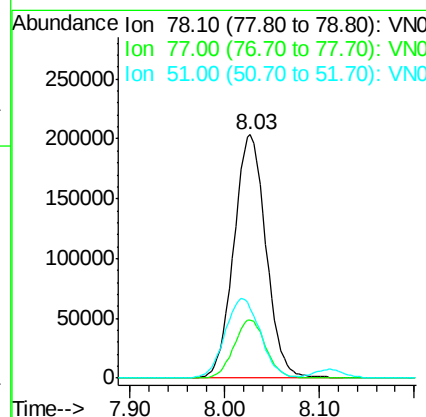
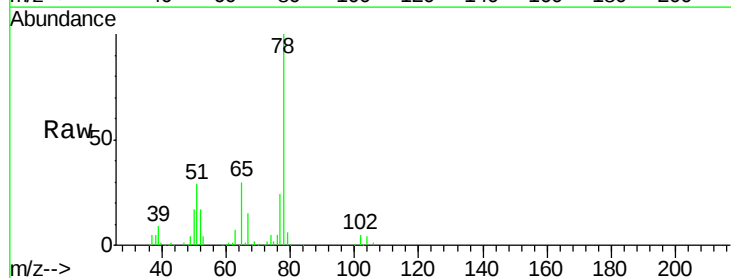
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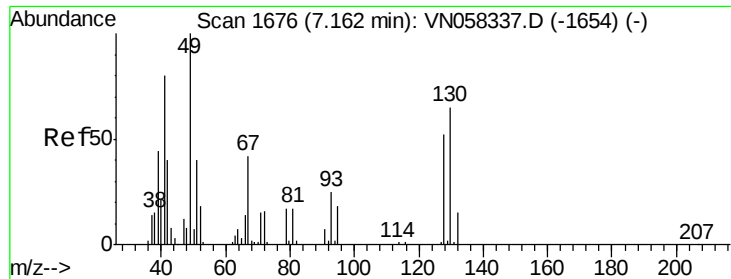
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#34
Benzene
Concen: 20.440 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion:	78	Resp:	481507
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.8	28.2
51	28.3	22.4	33.6





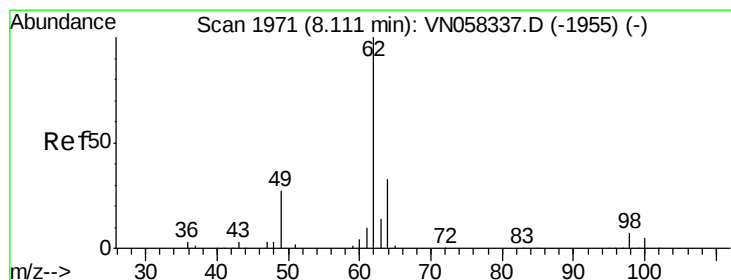
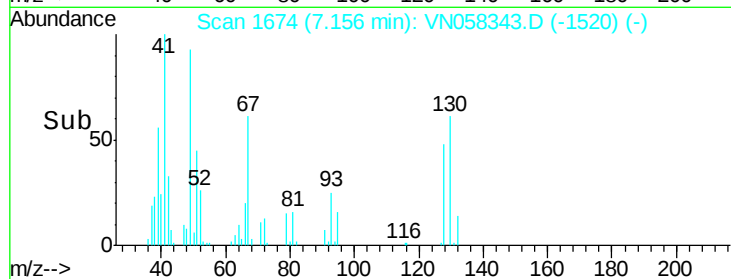
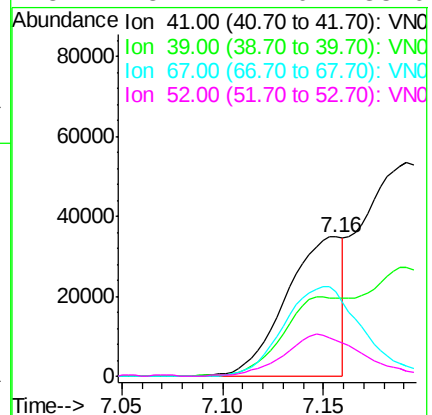
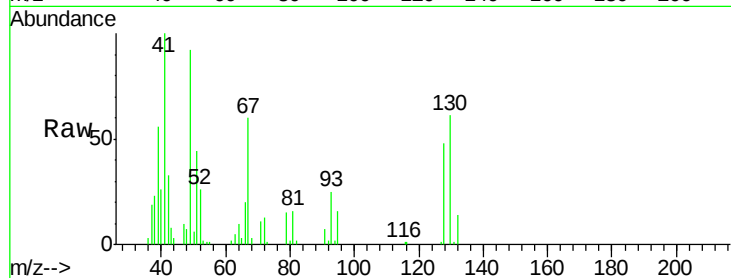
#35
Methacrylonitrile
Concen: 20.777 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion	41	Resp	67384
Ion	Ratio	Lower	Upper
41	100		
39	55.8	27.3	81.9
67	60.4	26.3	78.9
52	25.7	11.0	33.0

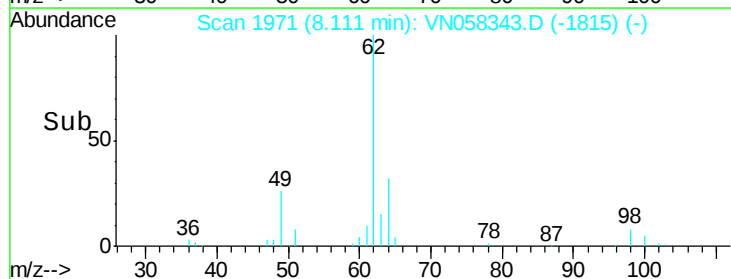
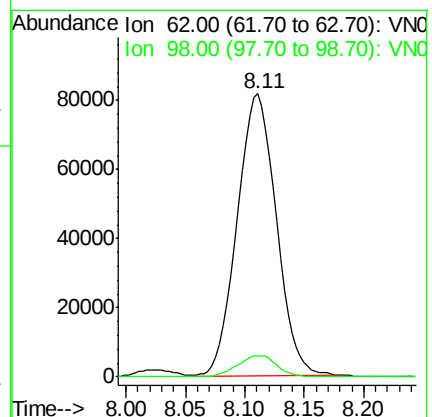
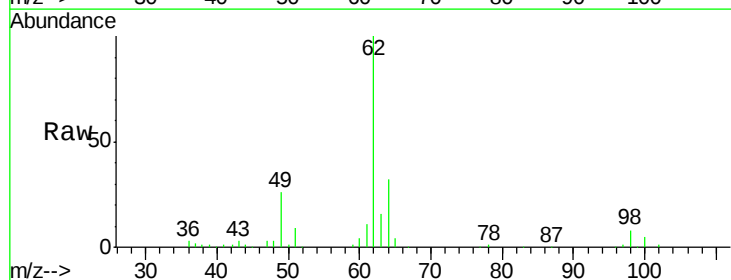
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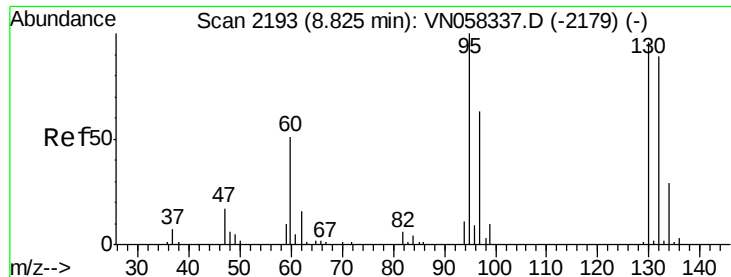
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#36
1,2-Dichloroethane
Concen: 20.260 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	62	Resp	186967
Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.0	9.0





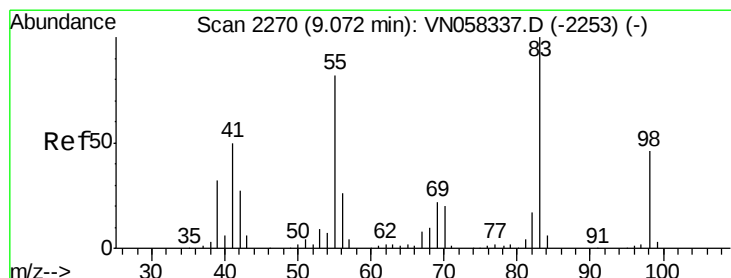
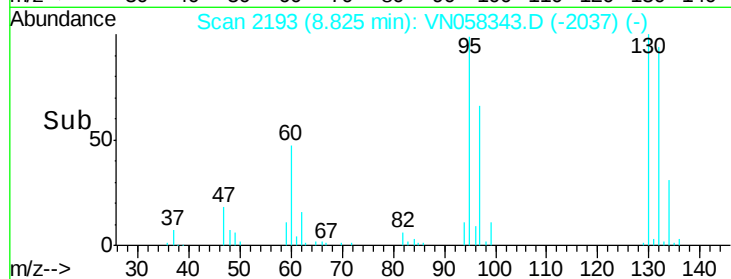
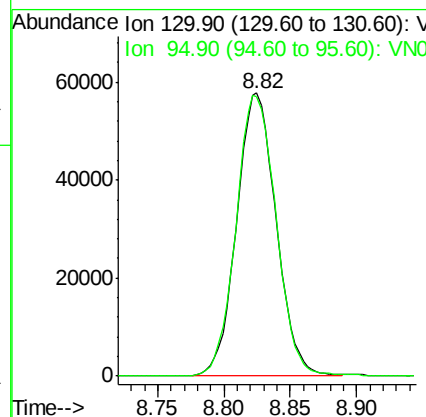
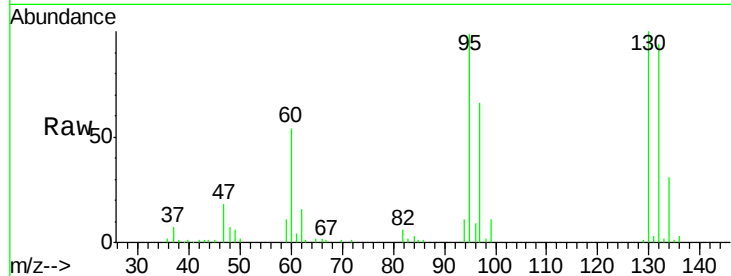
#37
 Trichloroethene
 Concen: 20.271 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion	Ratio	Resp	Lower	Upper
130	100	119548		
95	98.4	83.3	124.9	

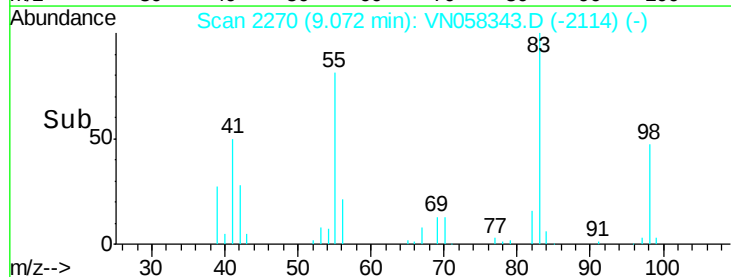
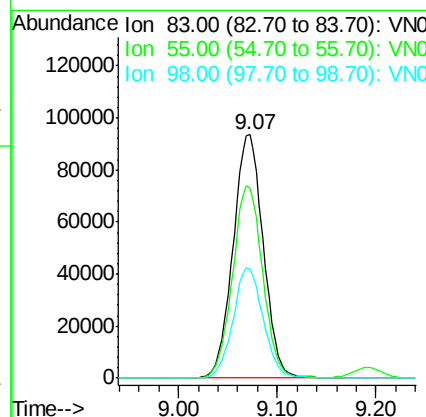
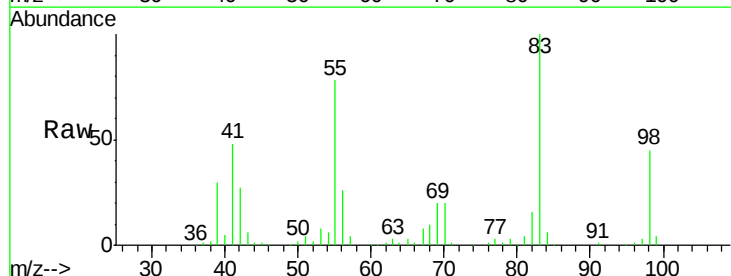
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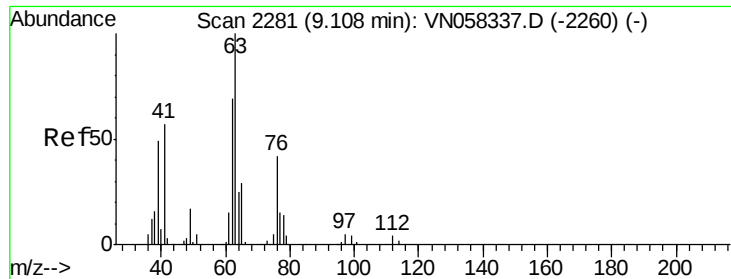
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#38
 Methylcyclohexane
 Concen: 19.915 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	199979		
55	78.5	40.5	121.4	
98	45.1	23.1	69.2	





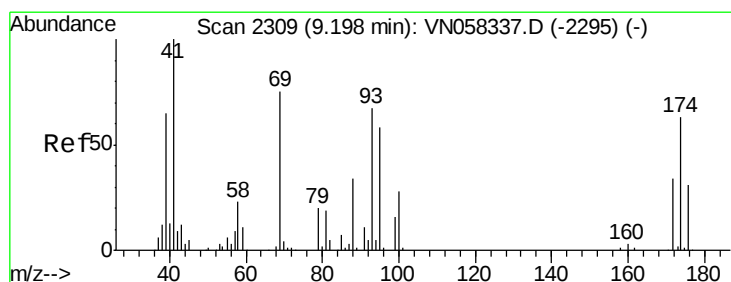
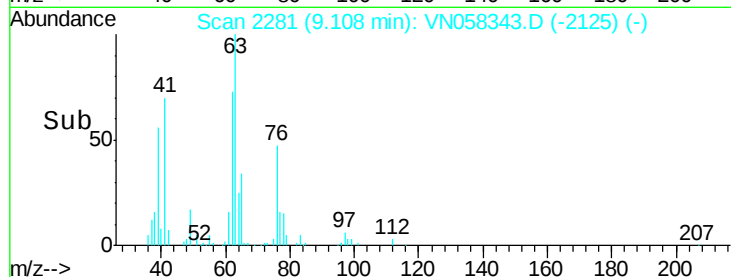
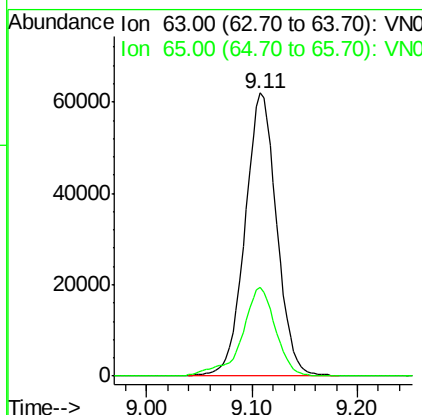
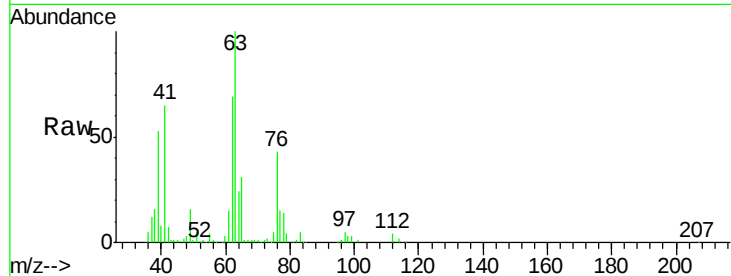
#39
 1,2-Dichloropropane
 Concen: 20.184 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion: 63 Resp: 129697
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.4 35.0

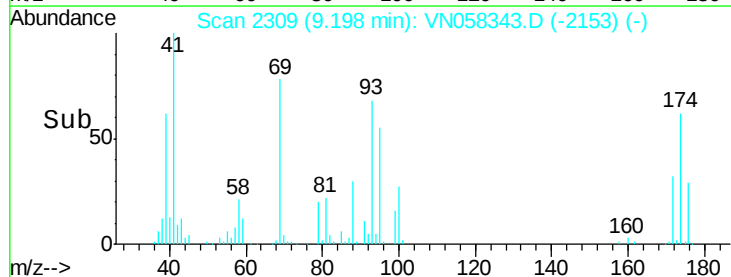
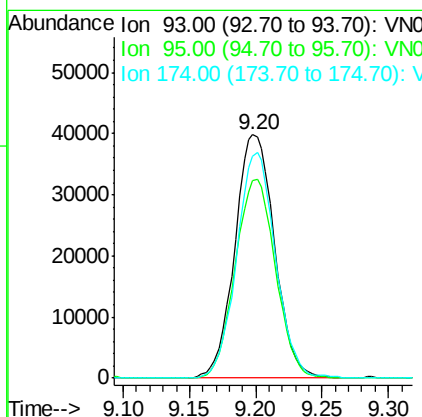
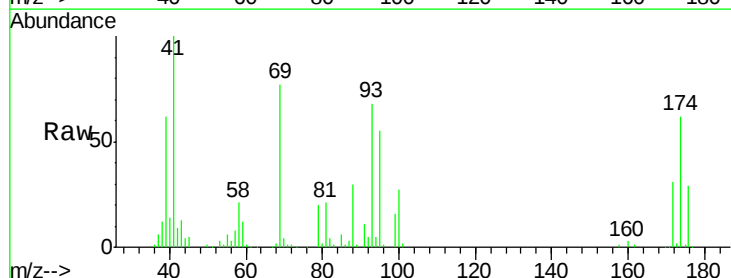
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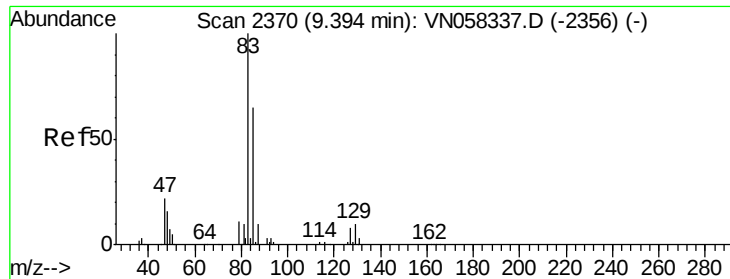
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#40
 Dibromomethane
 Concen: 20.422 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 93 Resp: 82821
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 166.8
 174 90.1 0.0 187.2





#41

Bromodichloromethane

Concen: 19.628 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

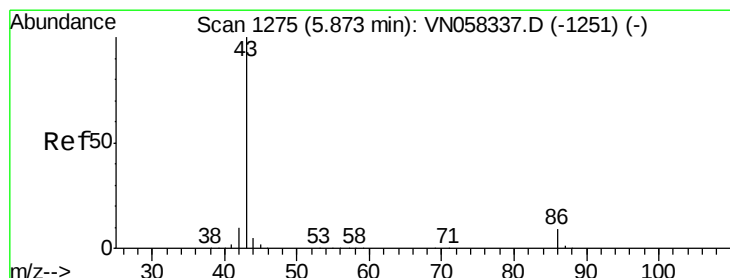
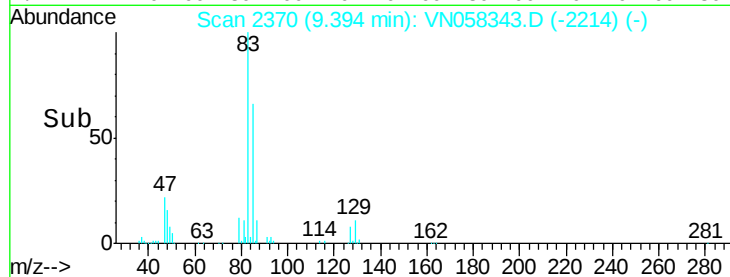
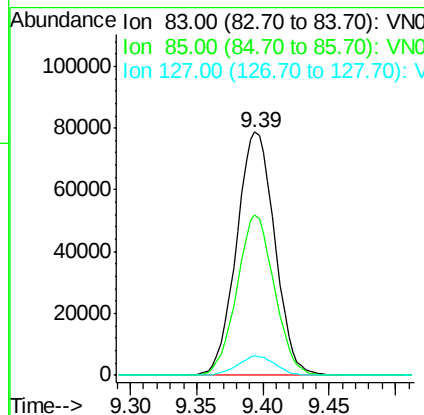
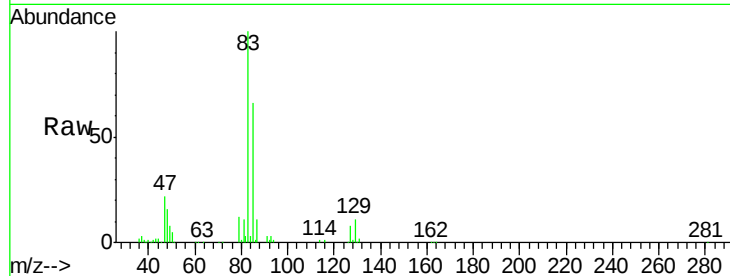
ClientSampleId :

ICVFN092419

Tot Ion:	83	Resp:	157340
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.0	78.0
127	8.0	6.1	9.1

Manual Integrations
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#42

Vinyl Acetate

Concen: 111.849 ug/l

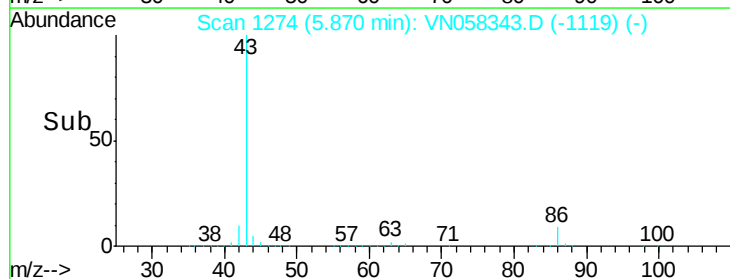
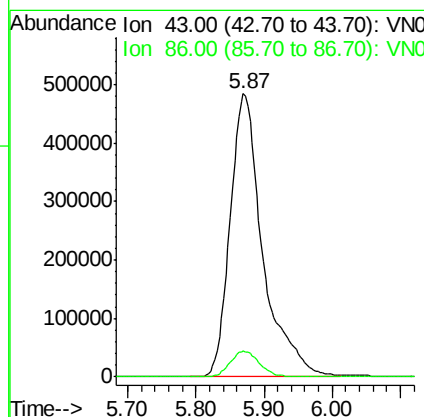
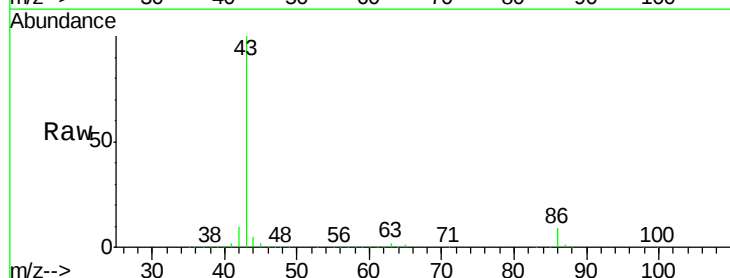
RT: 5.87 min Scan# 1274

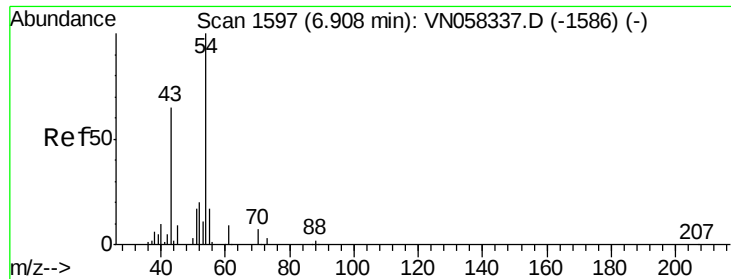
Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tgt Ion:	43	Resp:	1610285
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.6	9.8





#43

Ethyl Acetate

Concen: 20.358 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

Tot Ion: 43 Resp: 152412

Ion Ratio Lower Upper

43 100

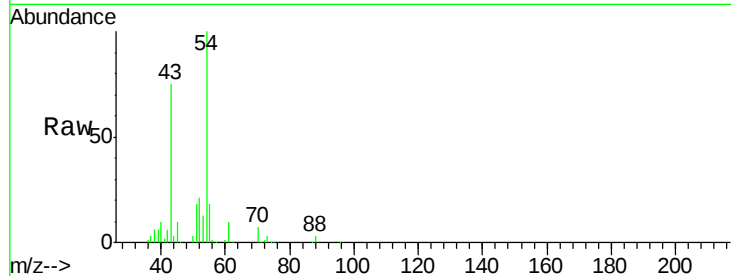
45 12.5 9.8 14.6

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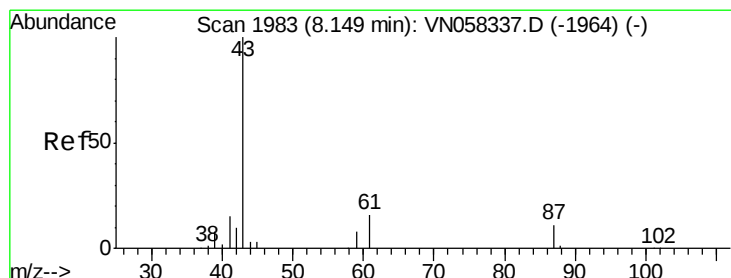
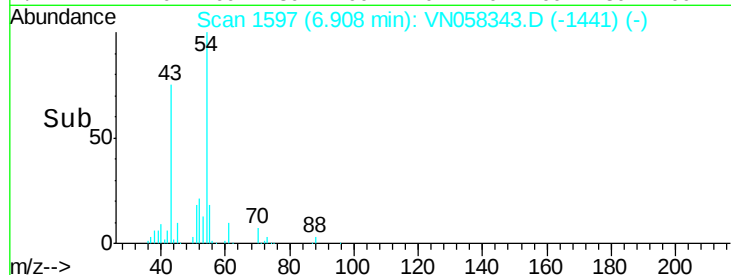
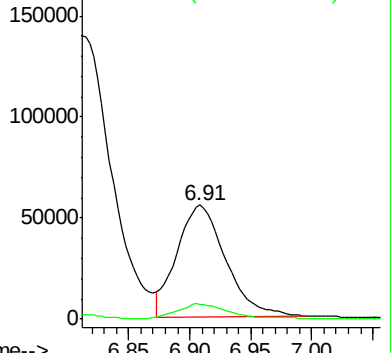
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.802 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058343.D

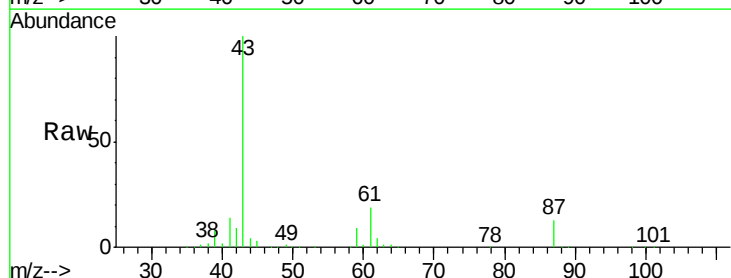
Acq: 24 Sep 2019 13:43

Tgt Ion: 43 Resp: 265392

Ion Ratio Lower Upper

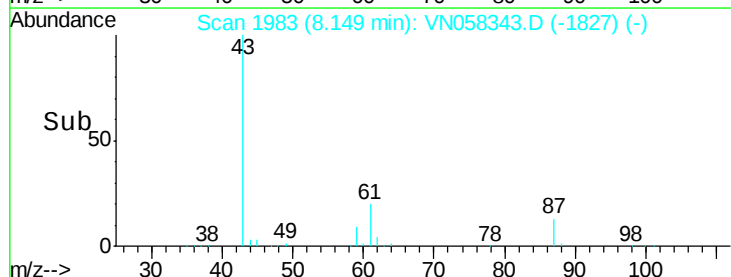
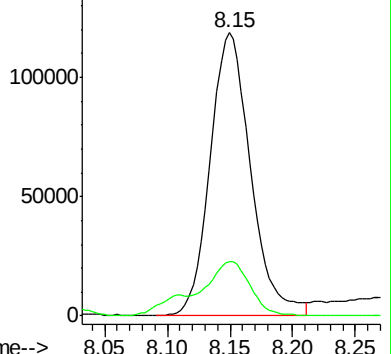
43 100

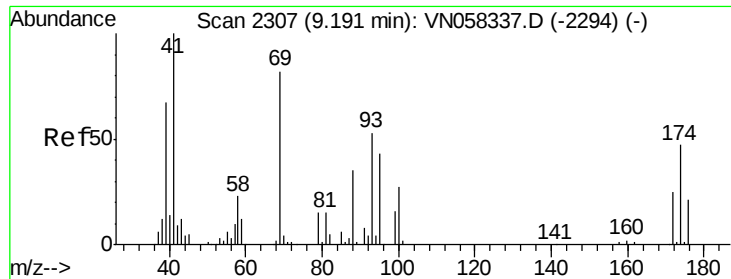
61 19.9 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





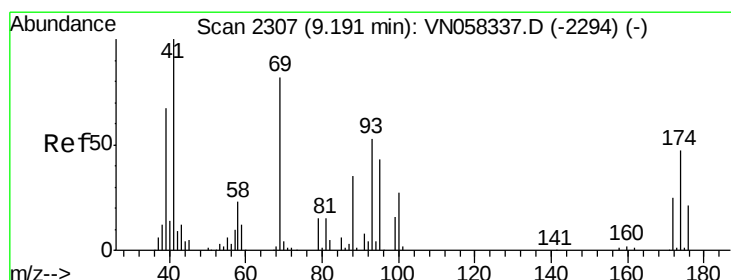
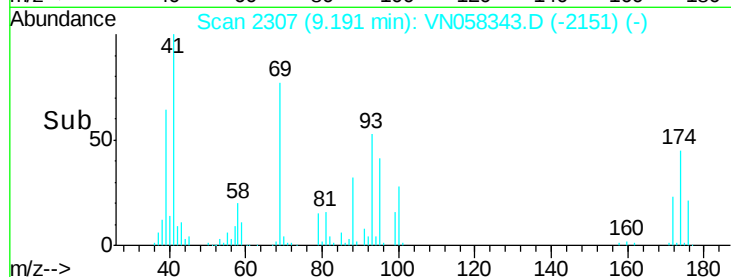
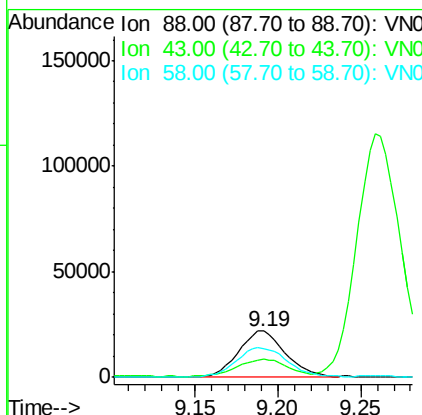
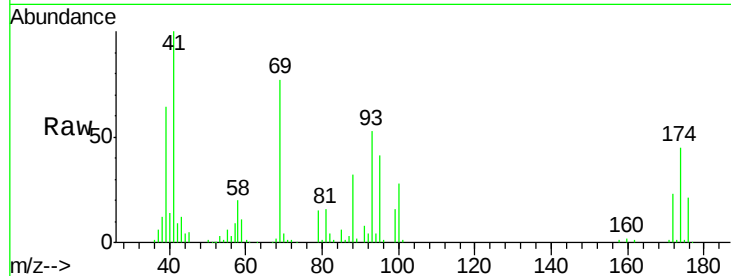
#45
 1,4-Dioxane
 Concen: 383.206 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion	88	Resp	43326
Ion	Ratio	Lower	Upper
88	100		
43	39.4	27.2	40.8
58	70.2	55.4	83.0

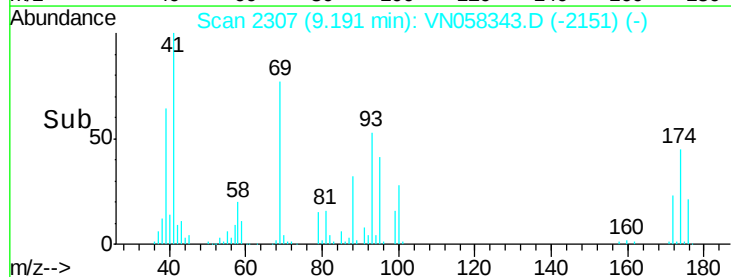
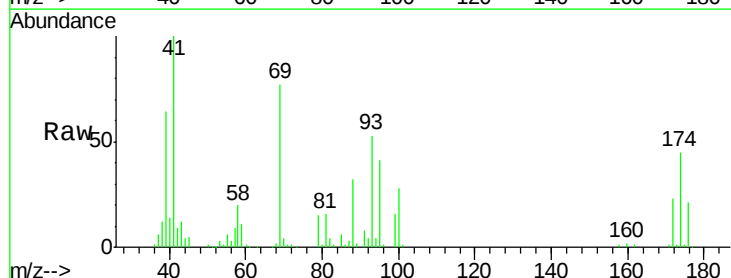
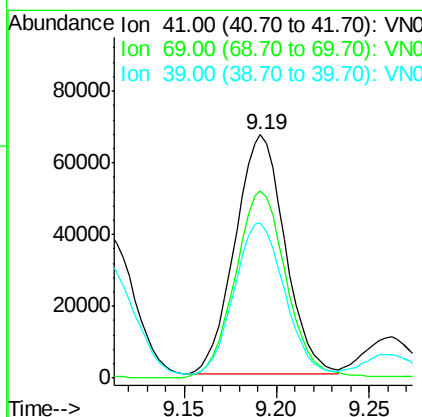
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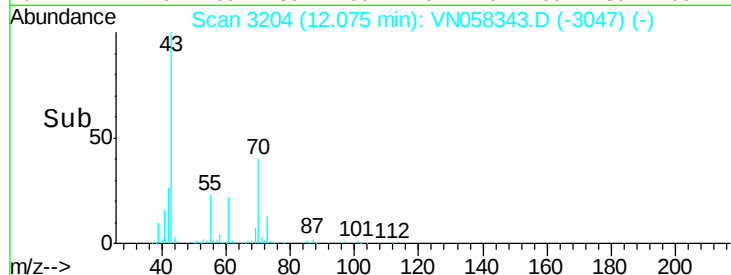
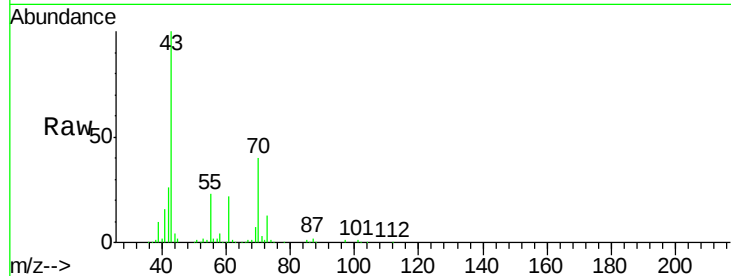
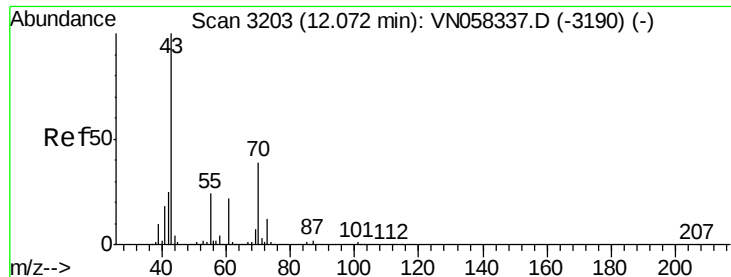
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#46
 Methyl methacrylate
 Concen: 19.705 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	41	Resp	125154
Ion	Ratio	Lower	Upper
41	100		
69	77.7	40.9	122.7
39	63.4	33.6	100.6





#47

n-amvl Acetate

Concen: 19.364 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tot Ion: 43 Resp: 225887

Ion Ratio Lower Upper

43 100

55 23.7 19.0 28.4

Instrument :

MSVOA_N

ClientSampleId :

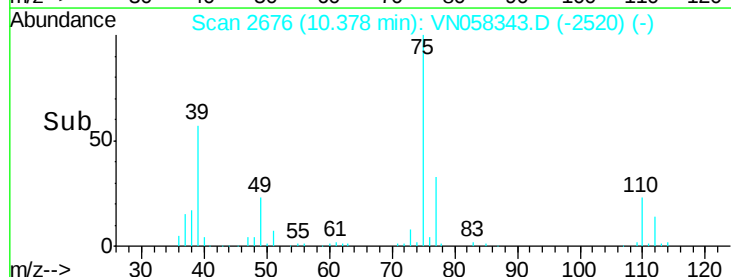
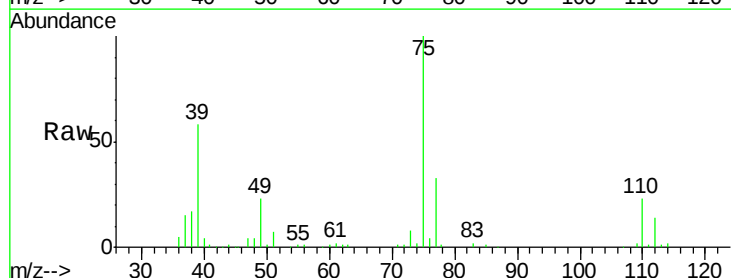
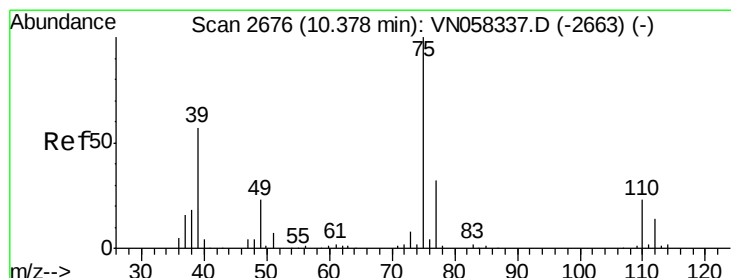
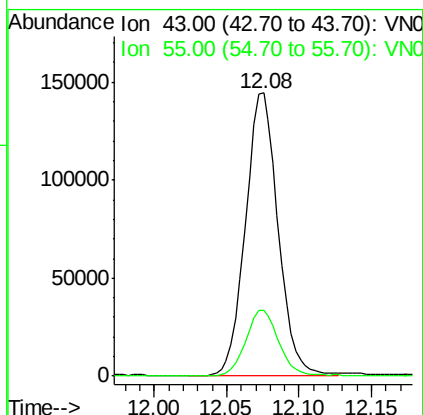
ICVVN092419

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#48

t-1,3-Dichloropropene

Concen: 19.428 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058343.D

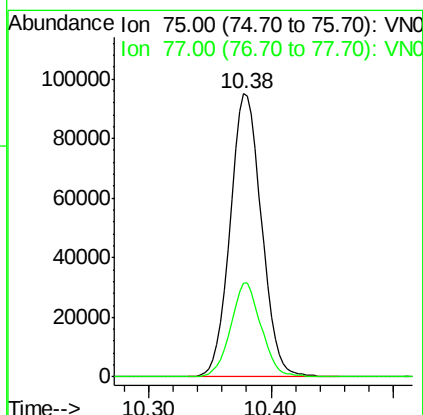
Acq: 24 Sep 2019 13:43

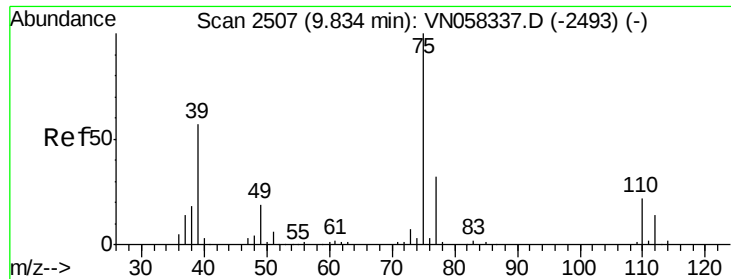
Tgt Ion: 75 Resp: 170173

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0





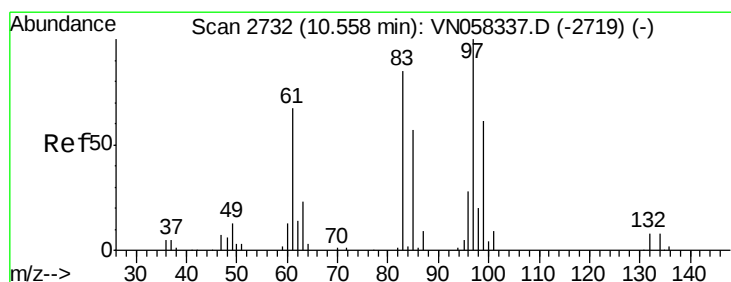
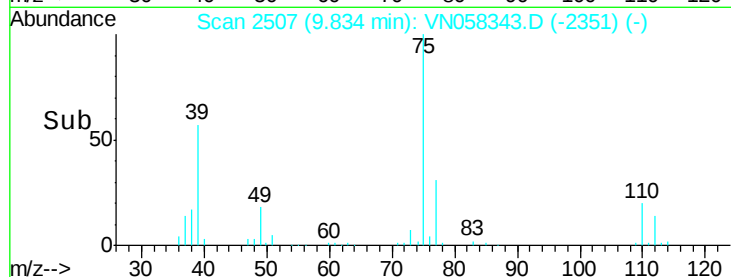
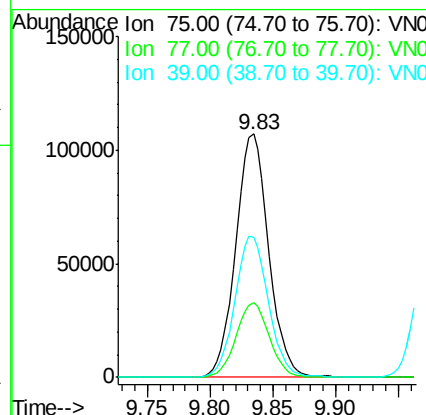
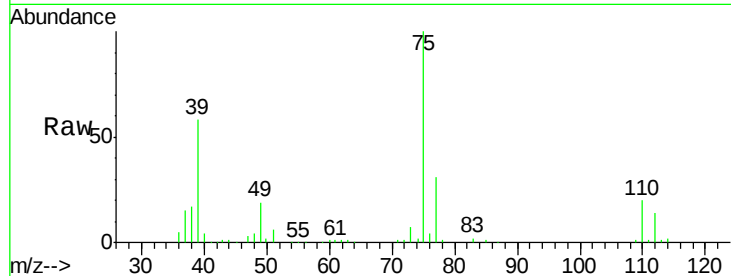
#49
 cis-1,3-Dichloropropene
 Concen: 20.024 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion:	75	Resp:	195285
Ion Ratio	Lower	Upper	
75	100		
77	30.6	25.2	37.8
39	57.5	45.8	68.6

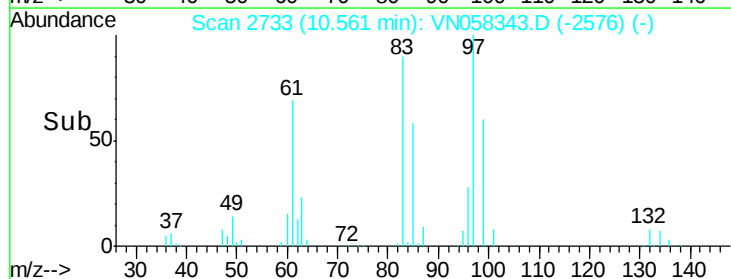
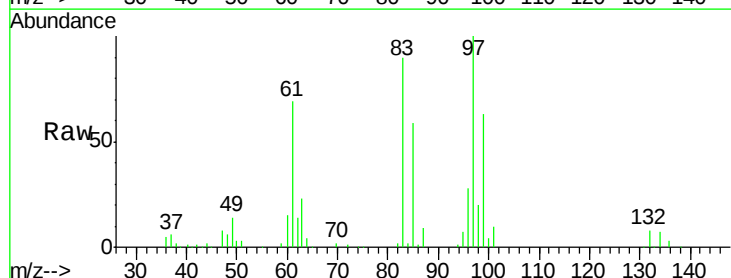
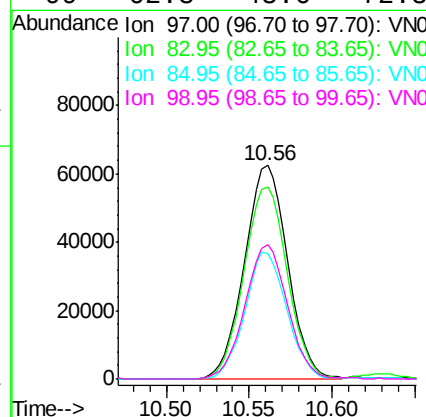
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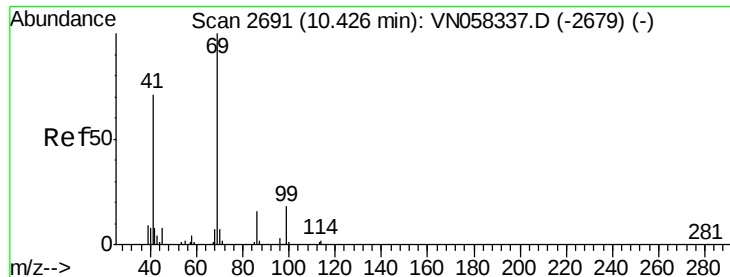
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#50
 1,1,2-Trichloroethane
 Concen: 20.054 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion:	97	Resp:	113664
Ion Ratio	Lower	Upper	
97	100		
83	90.2	67.8	101.6
85	58.5	45.8	68.6
99	62.8	48.6	72.8





#51

Ethyl methacrylate

Concen: 19.736 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

Tot Ion: 69 Resp: 176985

Ion Ratio Lower Upper

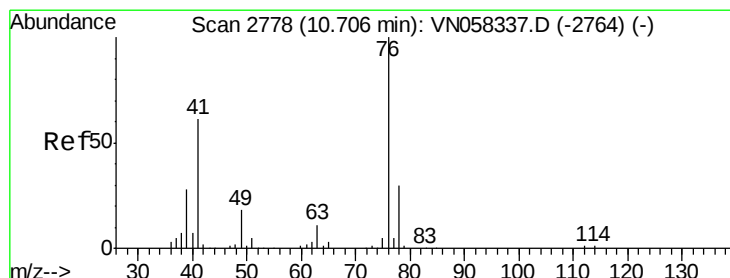
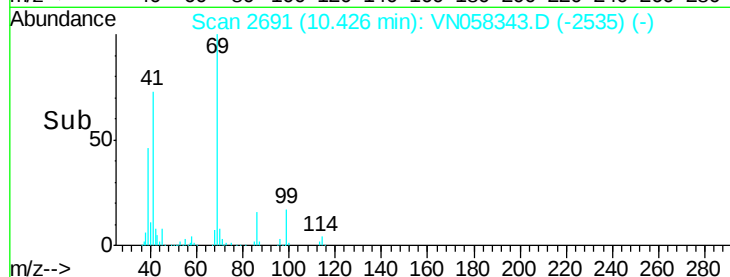
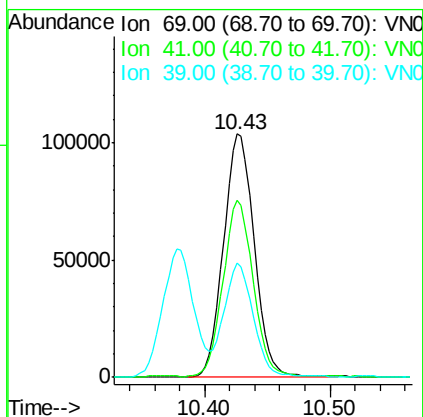
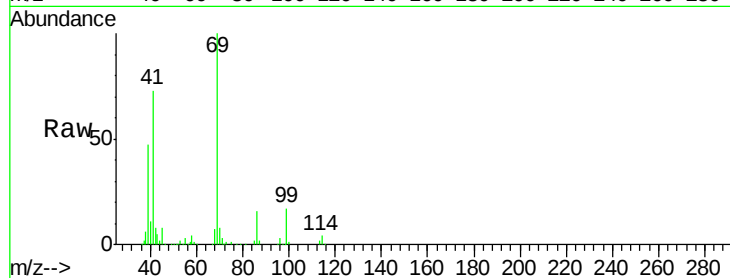
69 100

41 72.4 35.4 106.1

39 46.4 23.5 70.5

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#52

1,3-Dichloropropane

Concen: 20.145 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058343.D

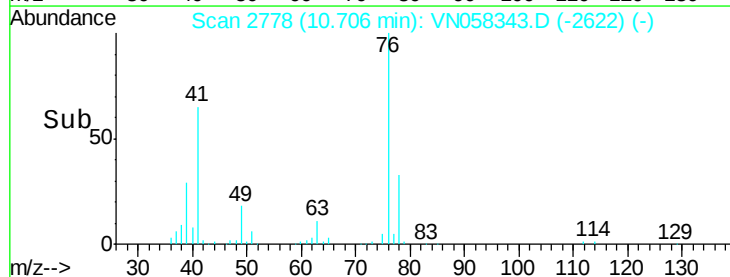
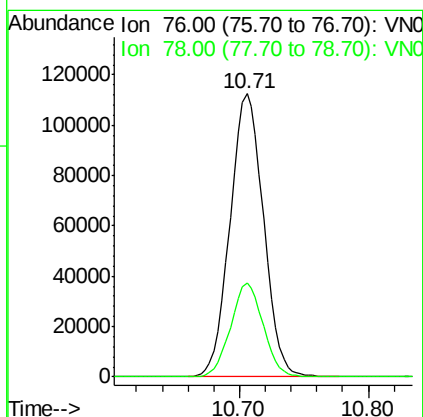
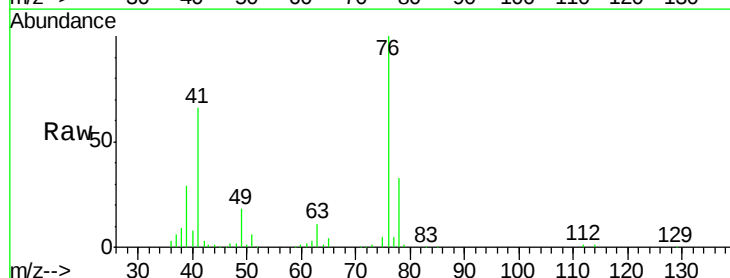
Acq: 24 Sep 2019 13:43

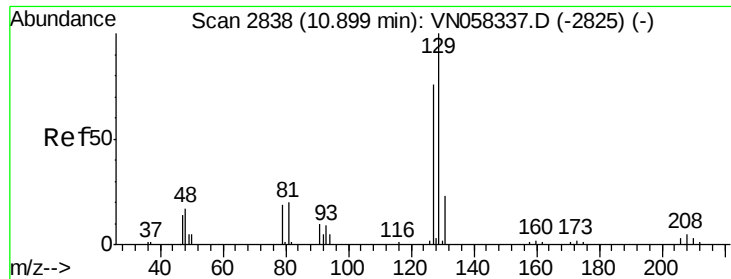
Tgt Ion: 76 Resp: 202788

Ion Ratio Lower Upper

76 100

78 32.3 0.0 63.0





#53

Dibromochloromethane

Concen: 19.054 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

Tot Ion:129 Resp: 108498

Ion Ratio Lower Upper

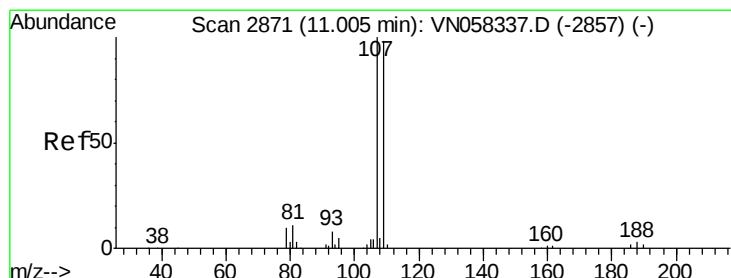
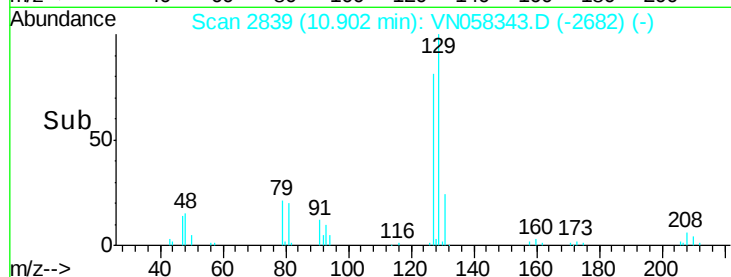
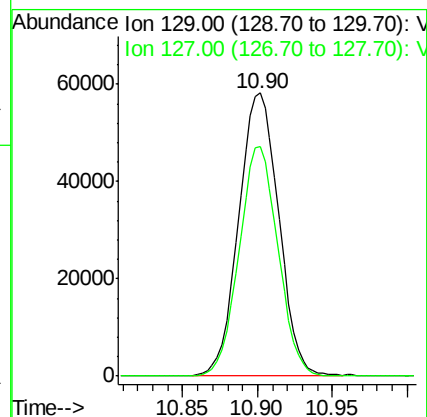
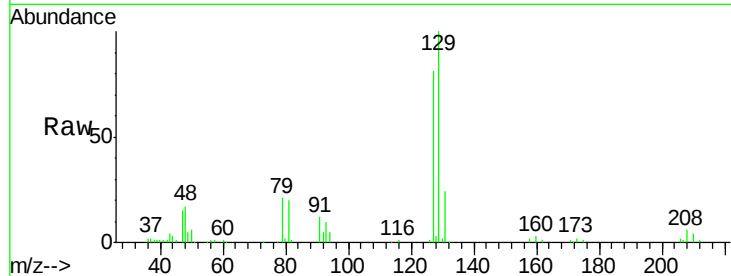
129 100

127 78.7 38.4 115.2

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#54

1,2-Dibromoethane

Concen: 19.985 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058343.D

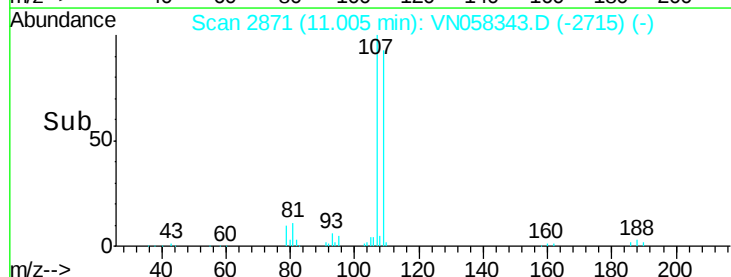
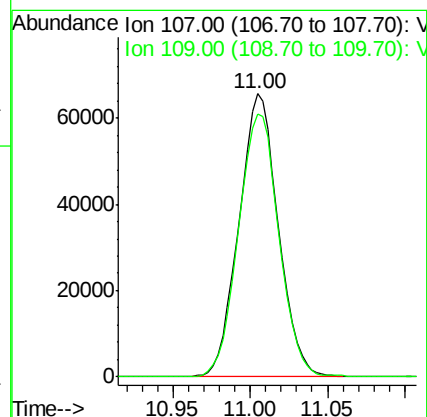
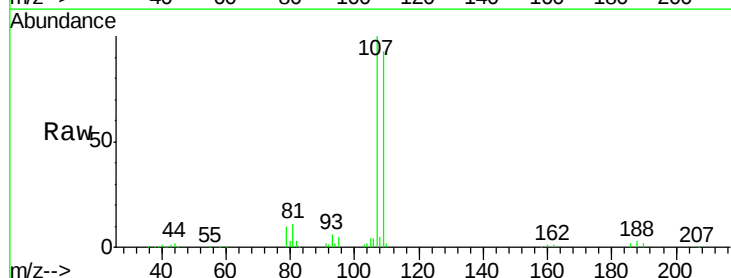
Acq: 24 Sep 2019 13:43

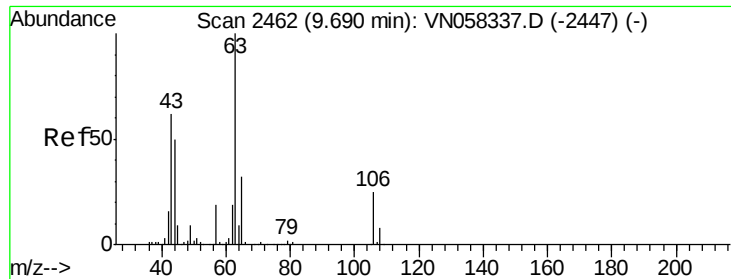
Tgt Ion:107 Resp: 115597

Ion Ratio Lower Upper

107 100

109 95.8 76.5 114.7





#55

2-Chloroethyl vinyl ether

Concen: 102.793 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

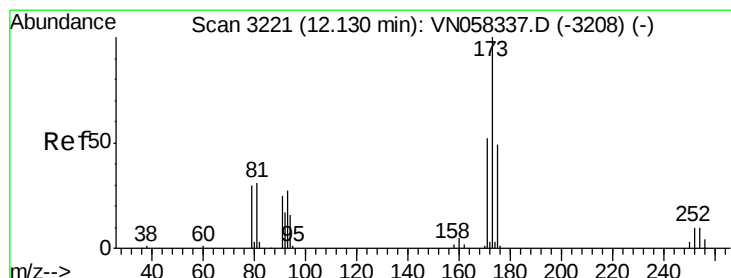
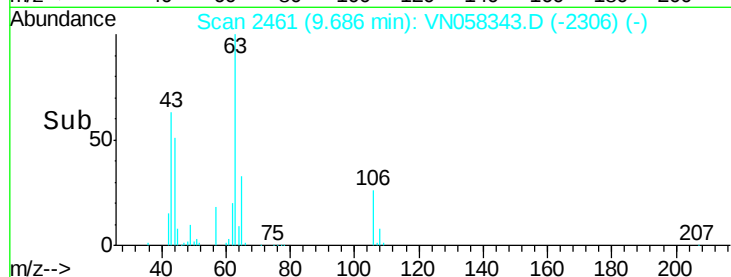
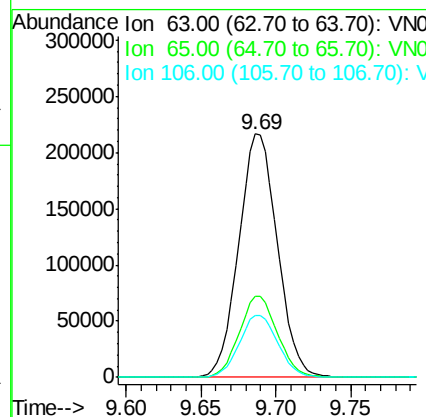
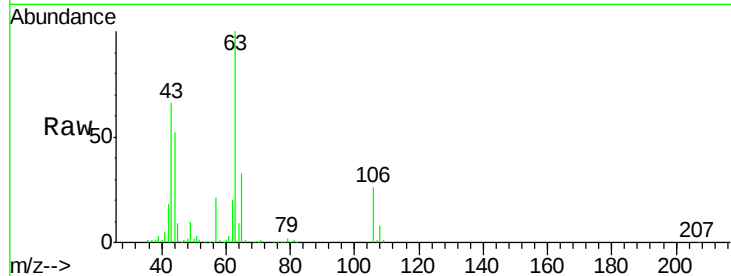
ClientSampleId :

ICVVN092419

Tot Ion:	63	Resp:	390324
Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.4	38.2
106	25.6	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 18.926 ug/l

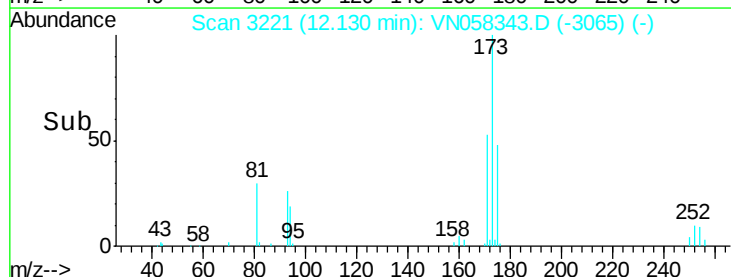
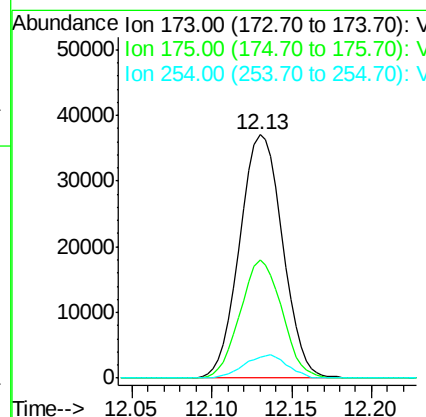
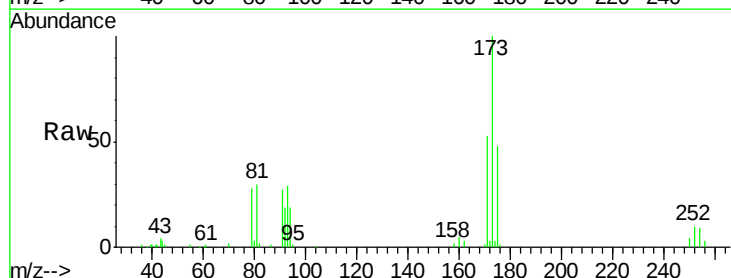
RT: 12.13 min Scan# 3221

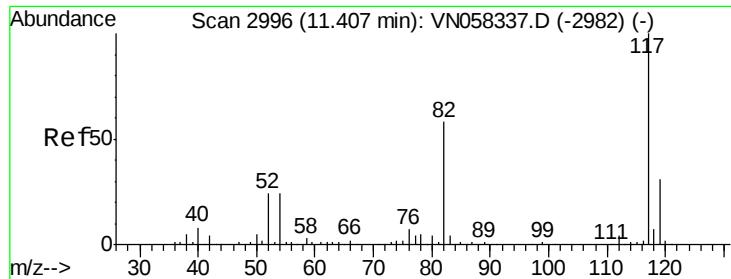
Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tgt Ion:	173	Resp:	67975
Ion	Ratio	Lower	Upper
173	100		
175	47.1	38.8	58.2
254	9.4	7.8	11.8





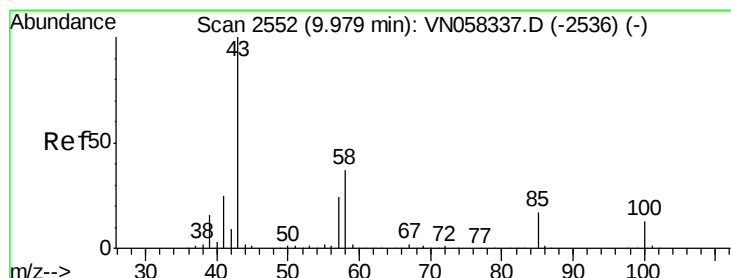
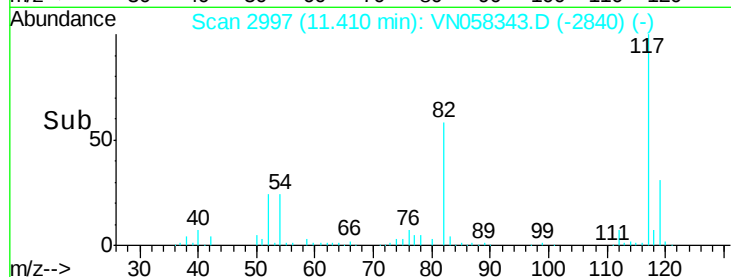
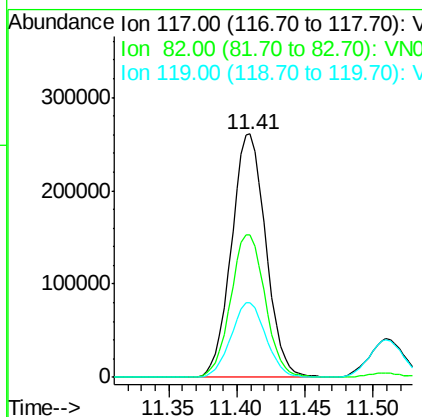
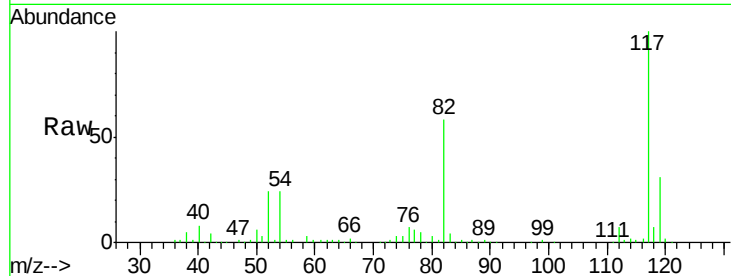
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.4	69.6
119	31.2	25.1	37.7

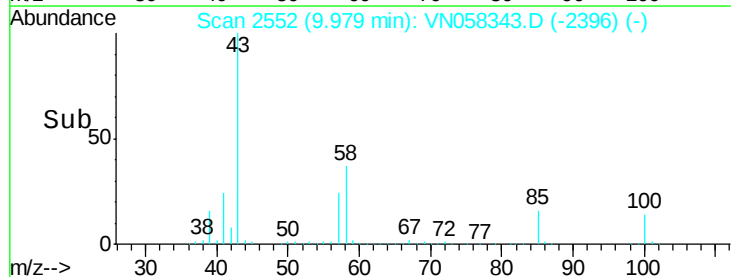
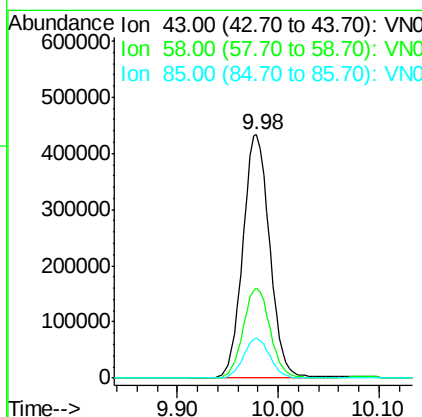
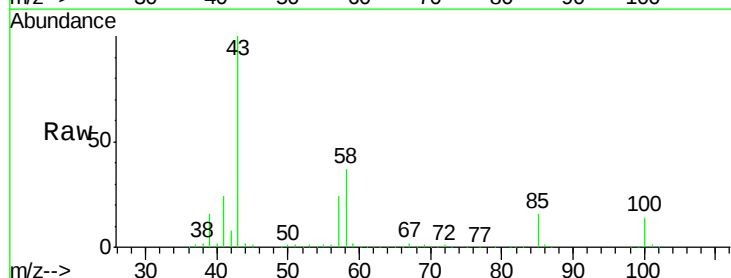
Manual Integrations
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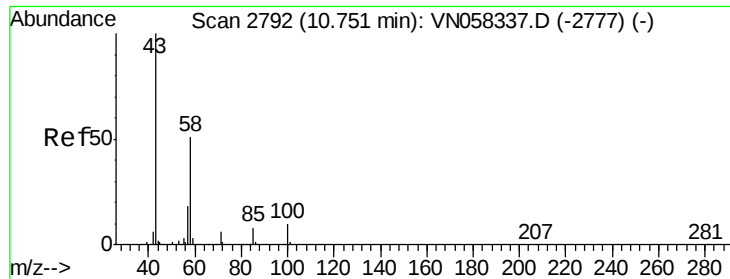
MMDadoda
9/25/2019 8:24:04 AM



#58
4-Methyl-2-Pentanone
Concen: 111.067 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.3	43.9
85	16.2	13.1	19.7





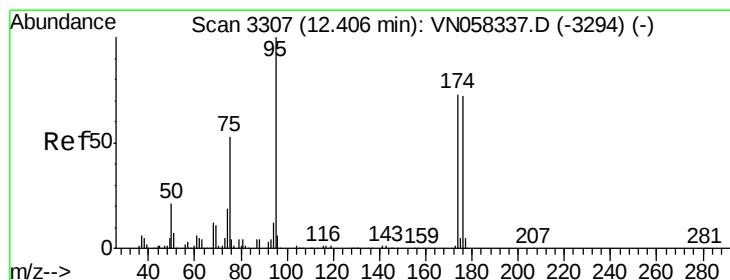
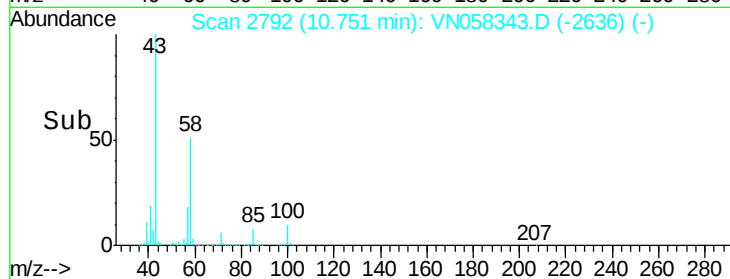
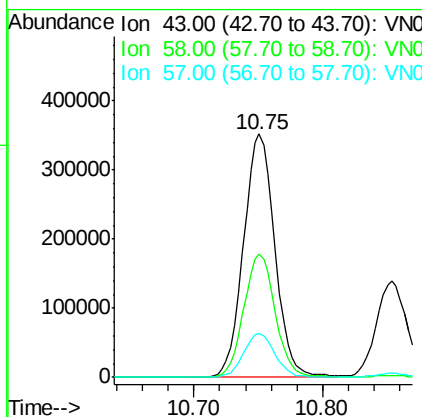
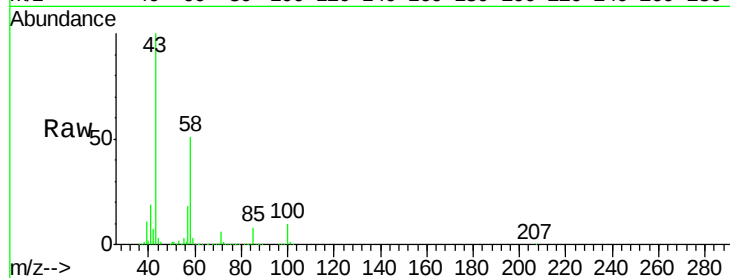
#59
2-Hexanone
Concen: 110.012 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	40.7	61.1
57	18.2	14.7	22.1

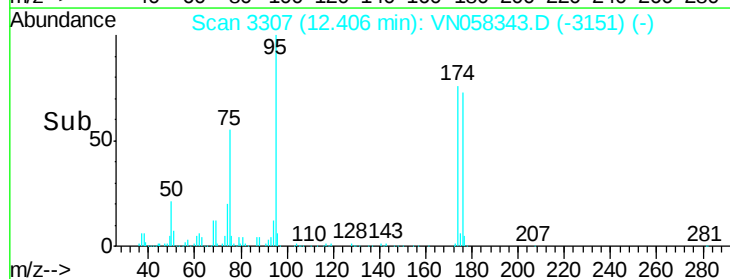
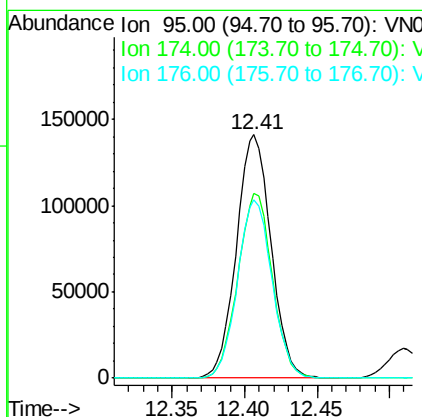
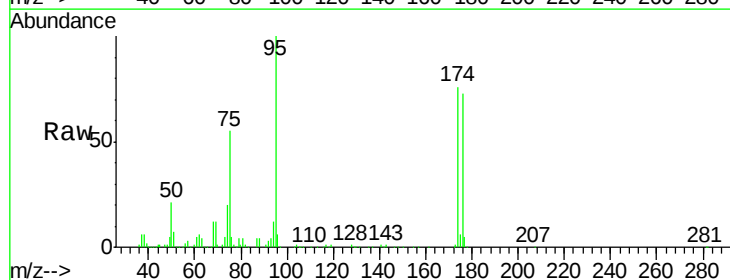
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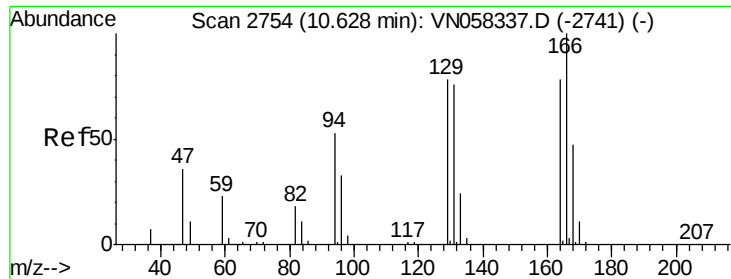
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#60
4-Bromofluorobenzene
Concen: 29.658 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	59.0	88.6
176	73.1	58.2	87.2





#61

Tetrachloroethene

Concen: 20.010 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

Tot Ion:164 Resp: 95674

Ion Ratio Lower Upper

164 100

166 129.6 102.6 154.0

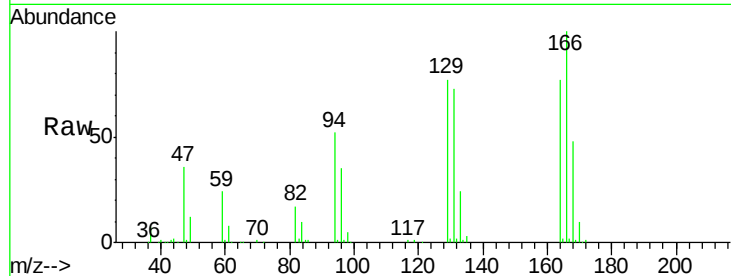
129 99.4 79.8 119.6

131 94.3 78.1 117.1

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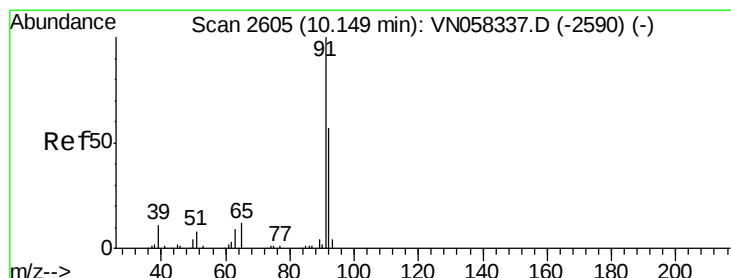
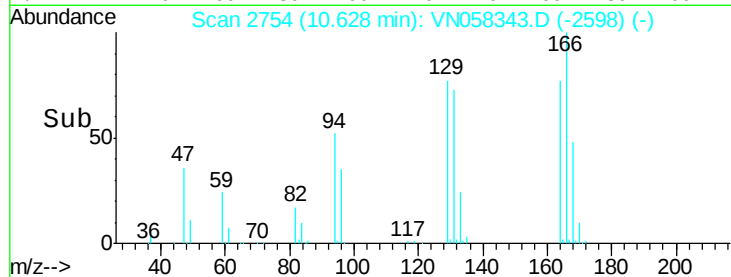
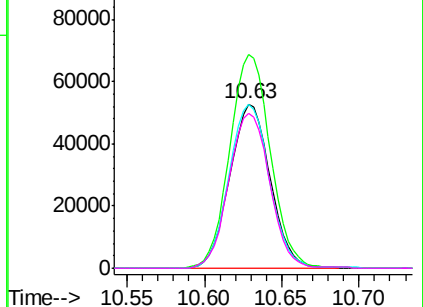


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.917 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058343.D

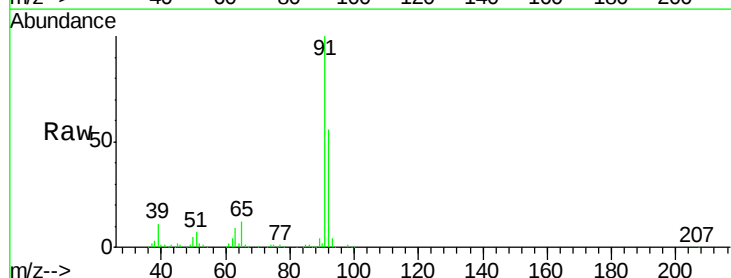
Acq: 24 Sep 2019 13:43

Tgt Ion: 91 Resp: 522832

Ion Ratio Lower Upper

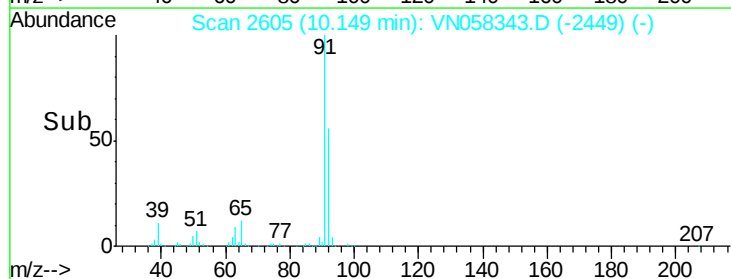
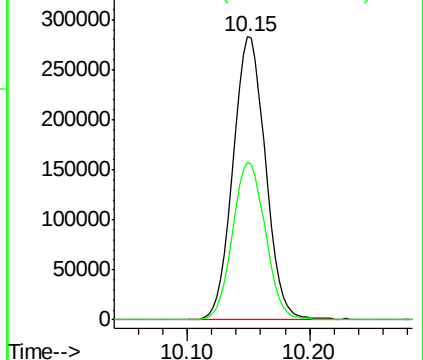
91 100

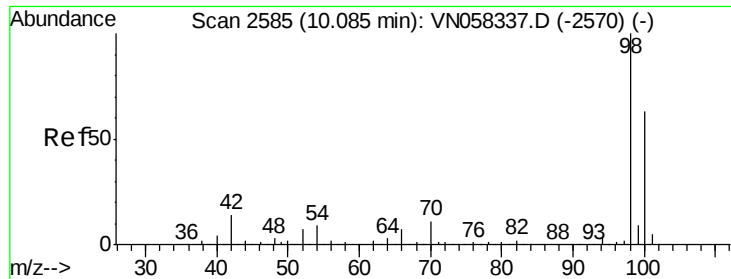
92 56.1 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





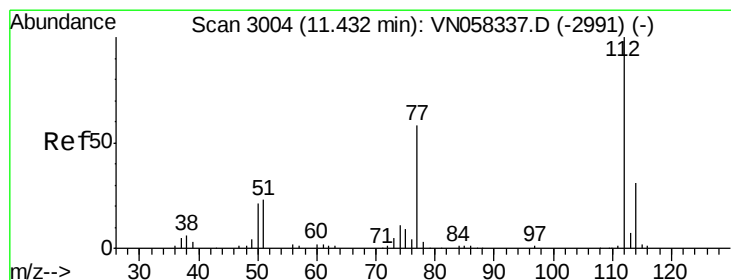
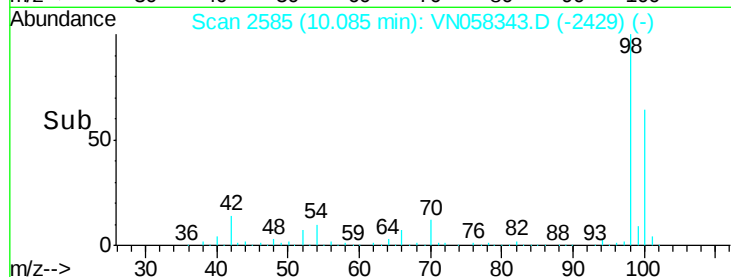
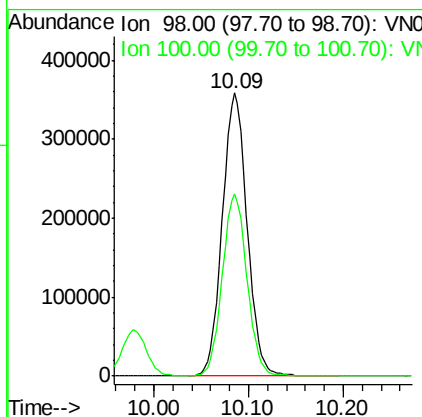
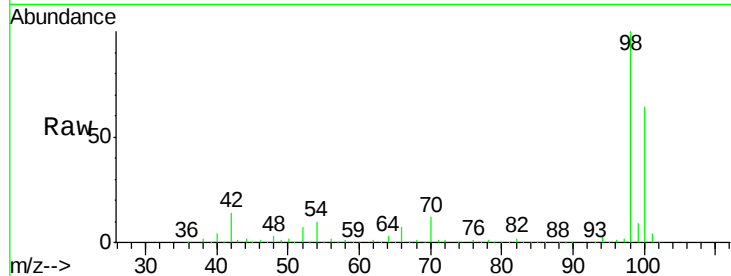
#63
Toluene-d8
Concen: 30.082 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion: 98 Resp: 655201
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2

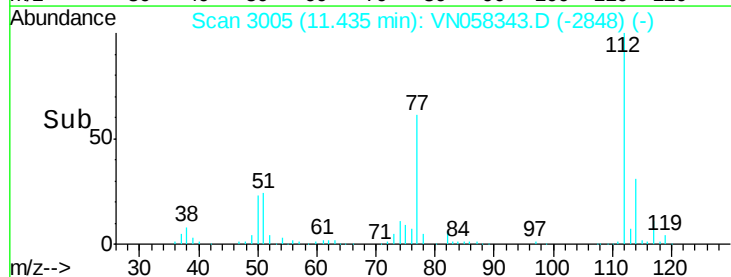
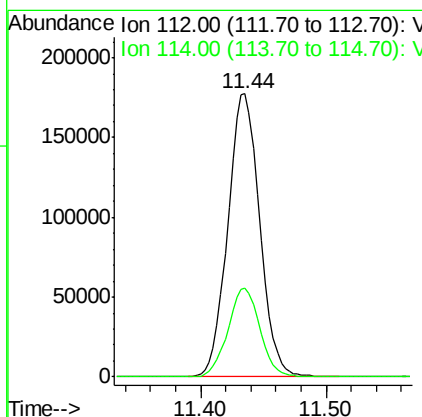
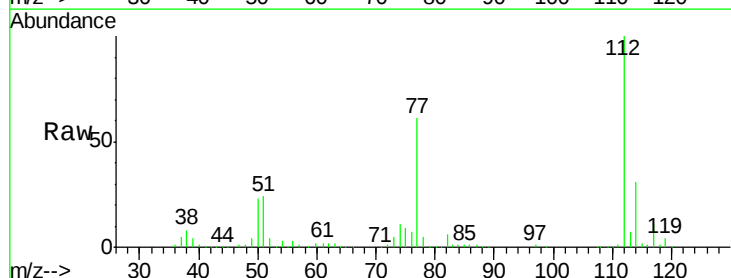
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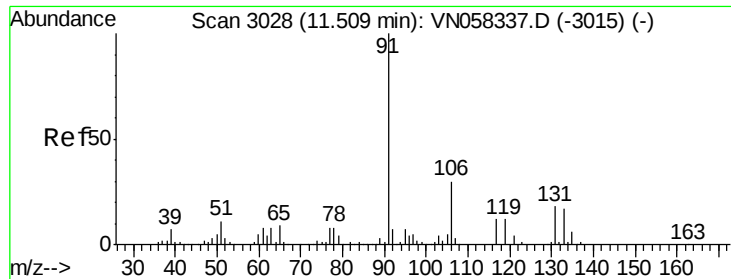
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#64
Chlorobenzene
Concen: 20.413 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion: 112 Resp: 313548
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.202 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

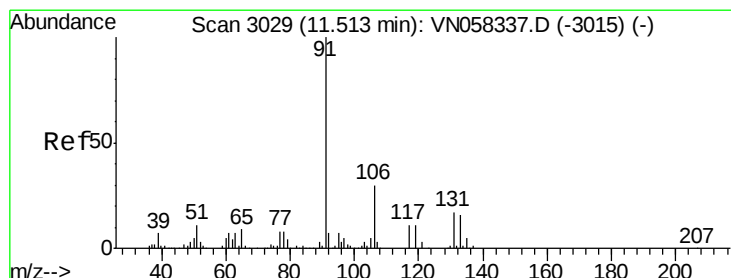
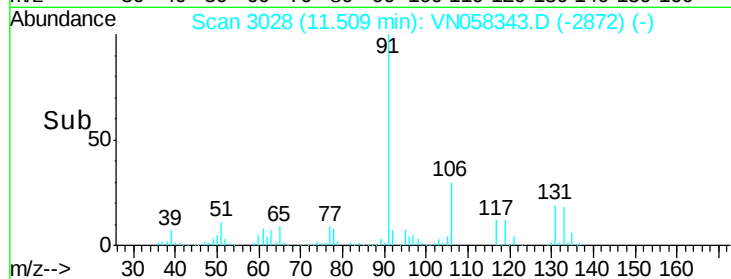
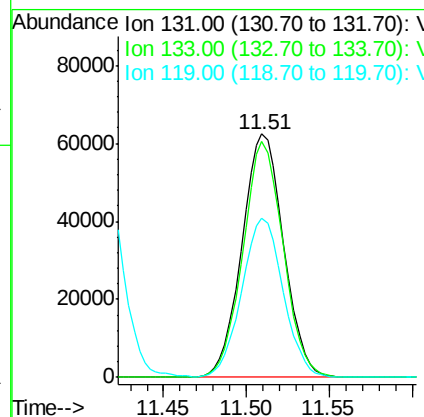
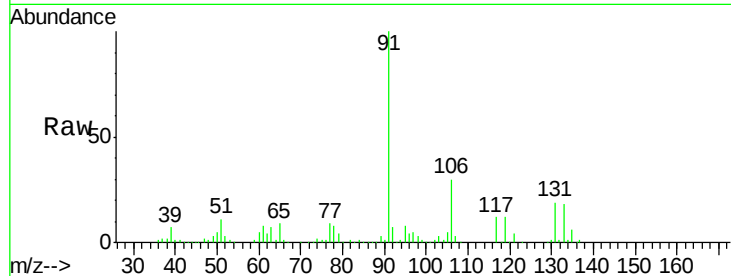
ClientSampleId :

ICVVN092419

Tot Ion	Ratio	Resp	Lower	Upper
131	100	108778		
133	94.0	0.0	191.8	
119	65.1	0.0	134.2	

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#66

Ethyl Benzene

Concen: 21.331 ug/l

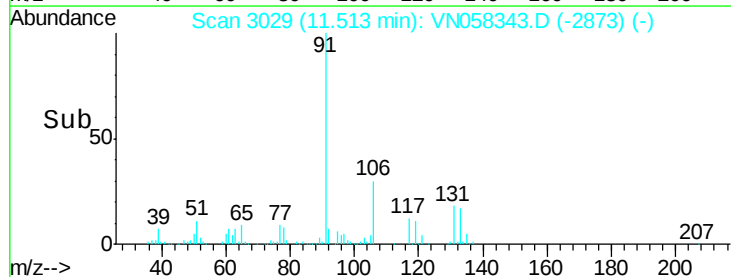
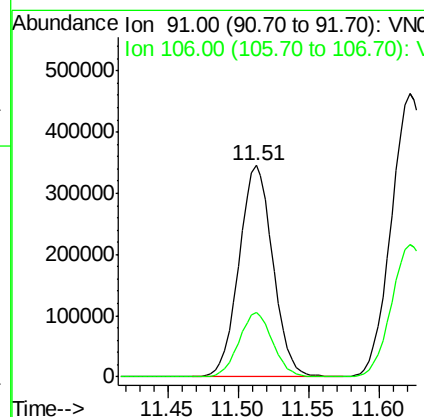
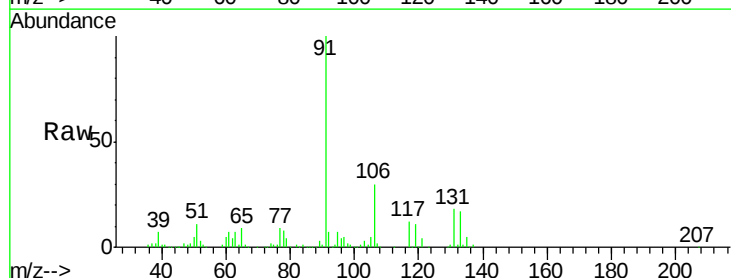
RT: 11.51 min Scan# 3029

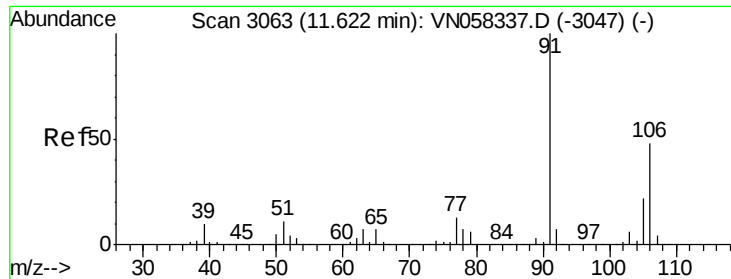
Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	581370		
106	30.4	24.2	36.4	





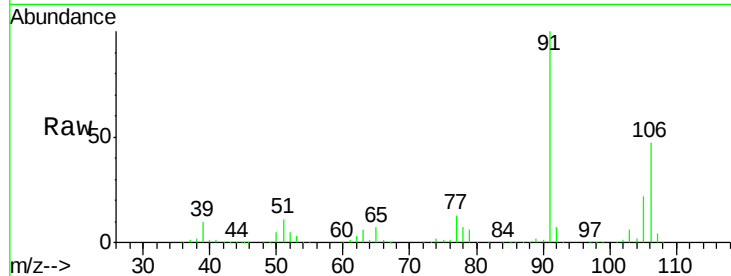
#67
m/p-Xvlenes
Concen: 40.515 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

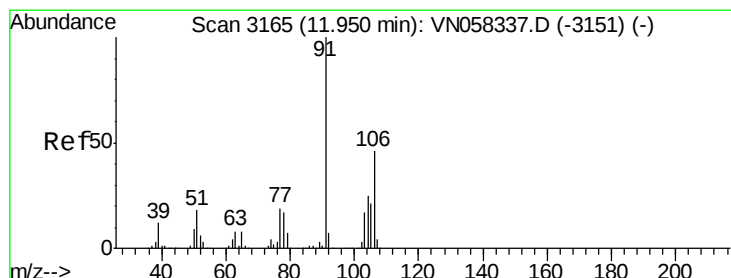
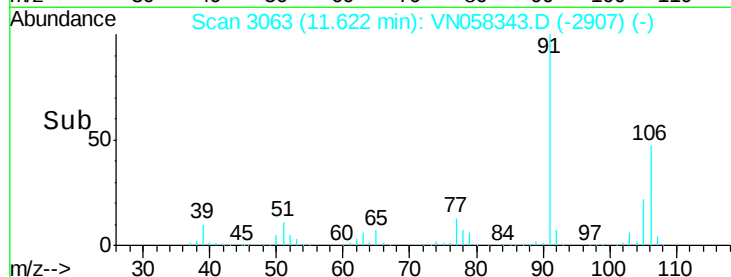
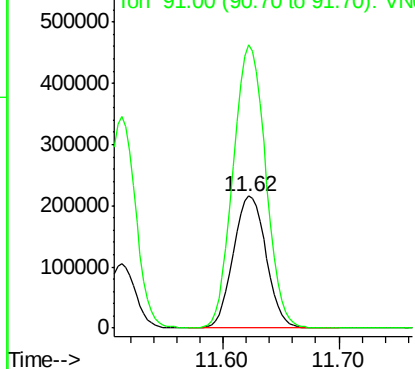
Tot Ion:106 Resp: 423940
Ion Ratio Lower Upper
106 100
91 212.2 167.8 251.6

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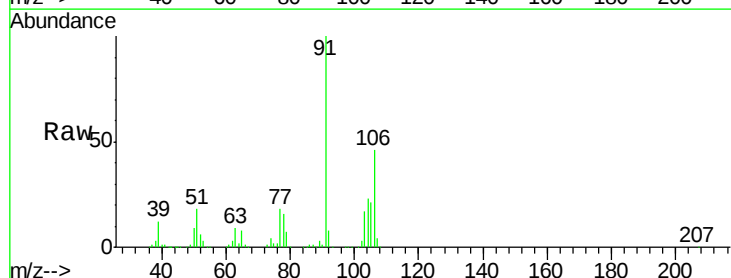


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

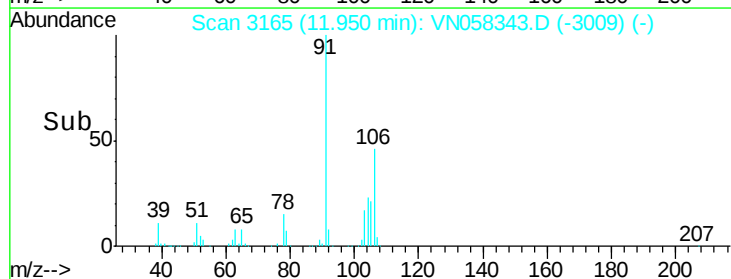
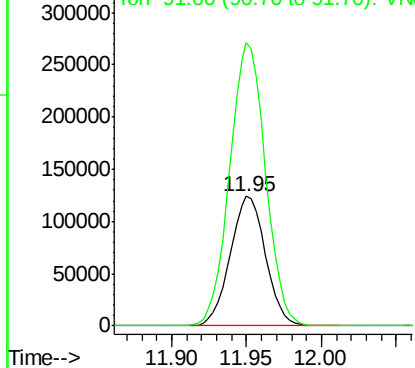


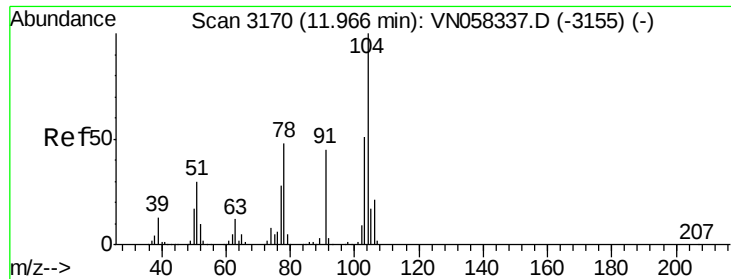
#68
o-Xylene
Concen: 20.024 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion:106 Resp: 203743
Ion Ratio Lower Upper
106 100
91 221.7 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





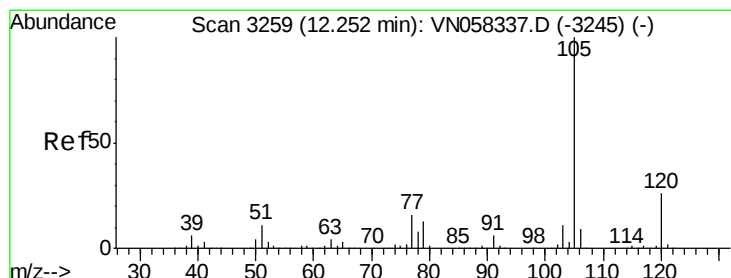
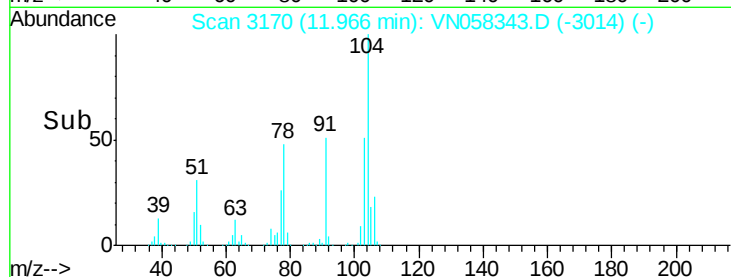
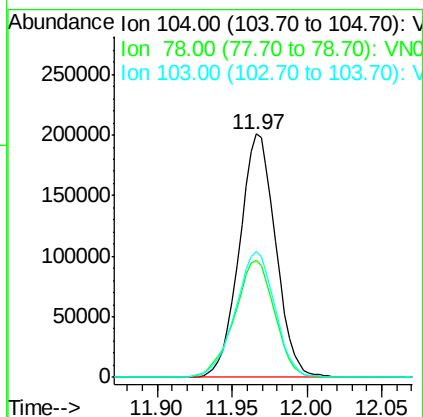
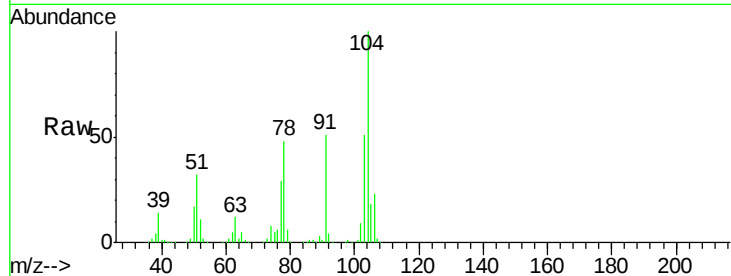
#69
Stvrene
Concen: 19.956 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampled :
ICVVN092419

Tot Ion	Ratio	Resp	Lower	Upper
104	100	339552		
78	53.4	42.3	63.5	
103	56.2	44.1	66.1	

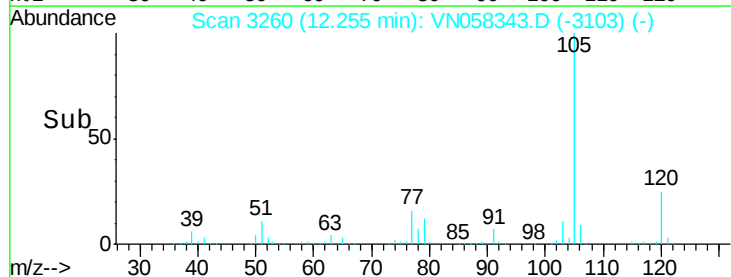
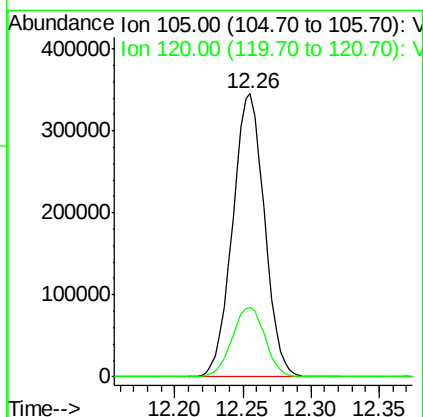
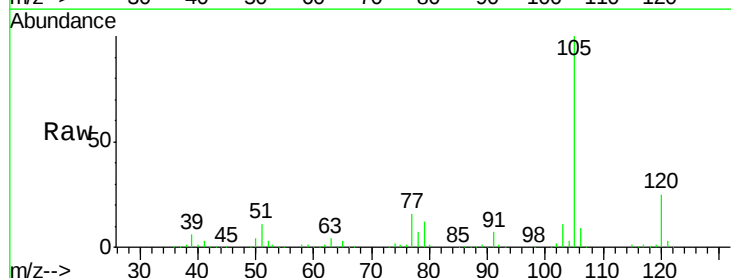
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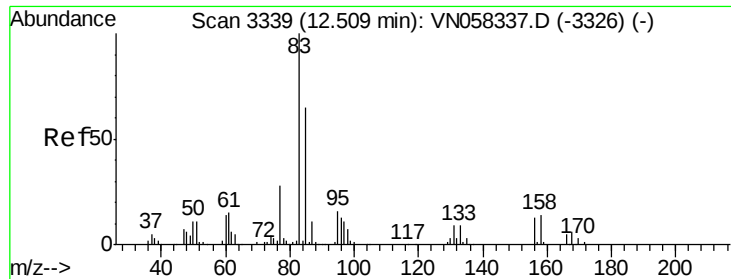
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#70
Isopropylbenzene
Concen: 21.239 ug/l
RT: 12.26 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	560023		
120	25.4	18.2	33.8	





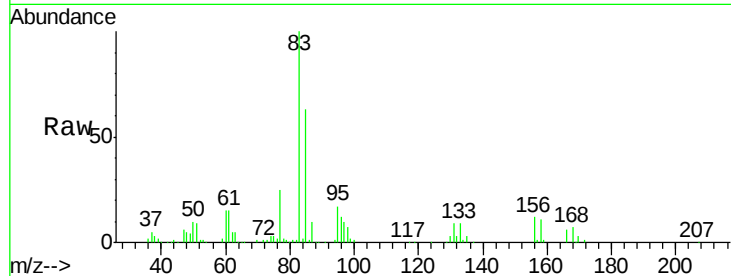
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.125 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion	Ratio	Resp	Lower	Upper
83	100	168653		
131	9.5	4.8	14.3	
85	63.2	32.6	97.7	

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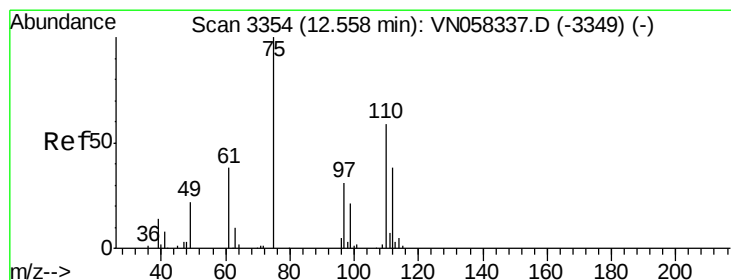
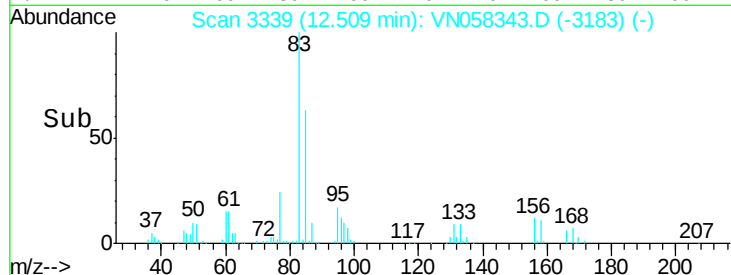
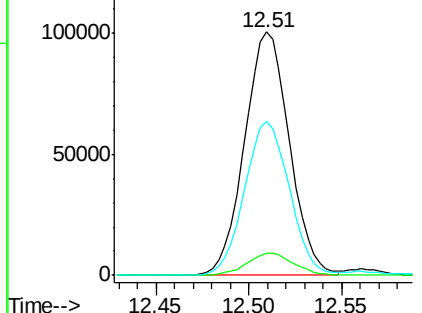
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Abundance Ion 83.00 (82.70 to 83.70): VN058343.D (-3183) (-)

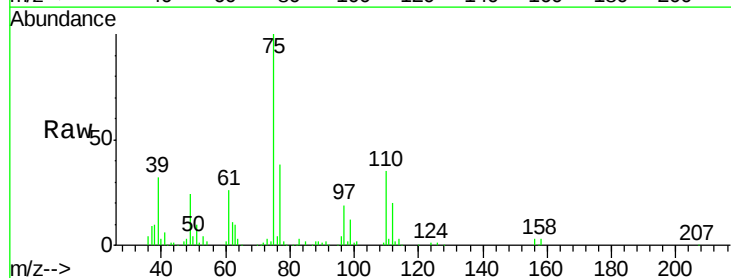
Ion 131.00 (130.70 to 131.70): VN058343.D (-3183) (-)

Ion 85.00 (84.70 to 85.70): VN058343.D (-3183) (-)



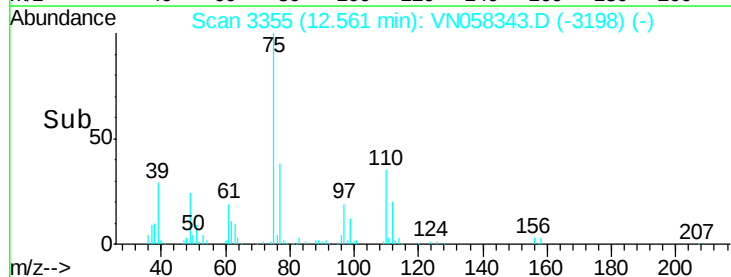
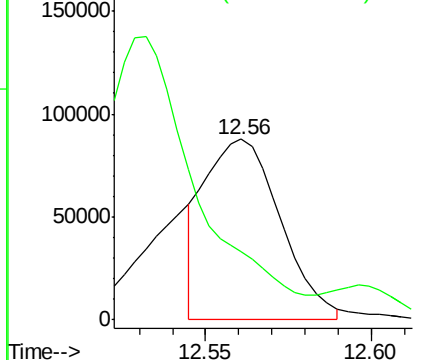
#72
 1,2,3-Trichloropropane
 Concen: 19.361 ug/l m
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

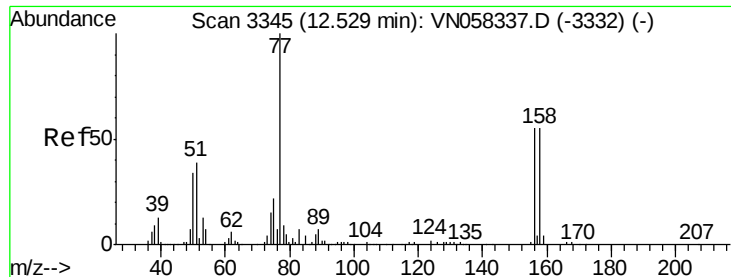
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139536		
77	204.3	0.0	382.4	



Abundance Ion 75.00 (74.70 to 75.70): VN058343.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN058343.D (-3198) (-)





#73

Bromobenzene

Concen: 19.841 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

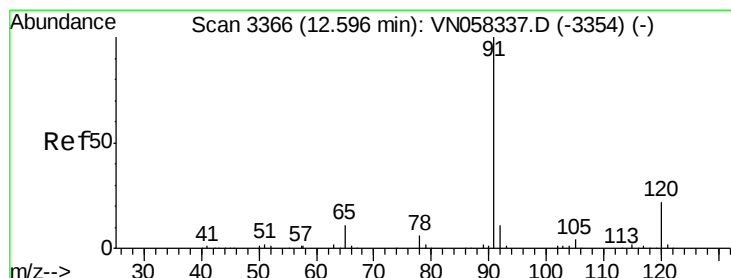
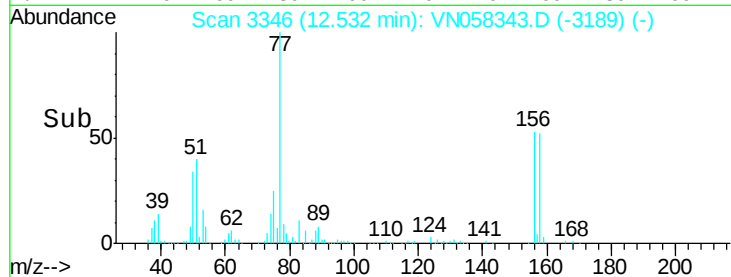
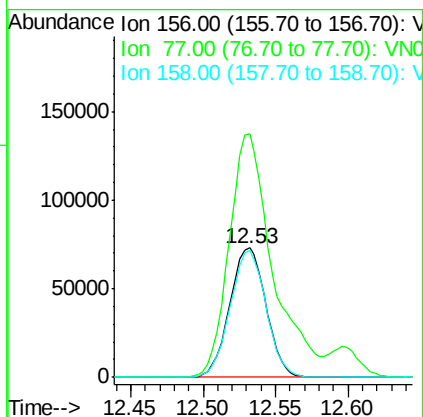
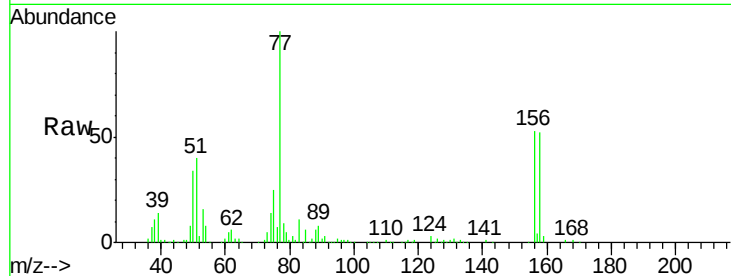
ClientSampleId :

ICVVN092419

Tot Ion:	156	Resp:	126712
Ion Ratio	Lower	Upper	
156	100		
77	225.0	0.0	438.8
158	96.9	0.0	195.6

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#74

n-propylbenzene

Concen: 21.731 ug/l

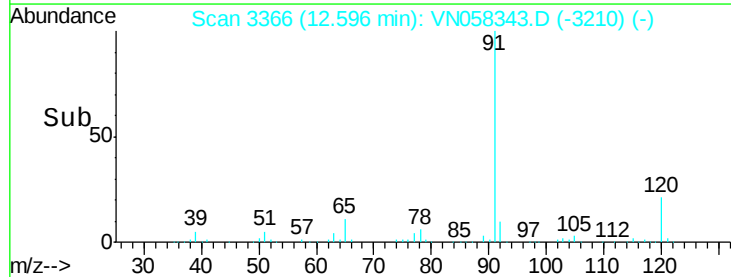
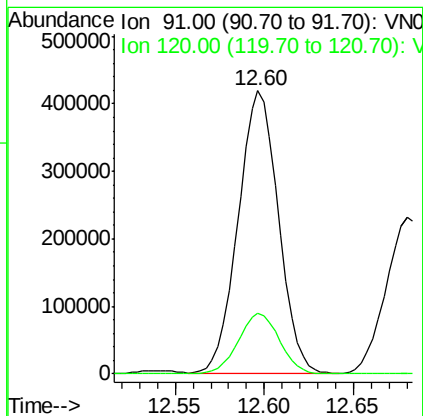
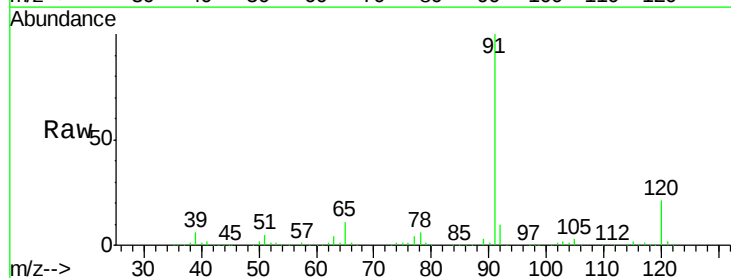
RT: 12.60 min Scan# 3366

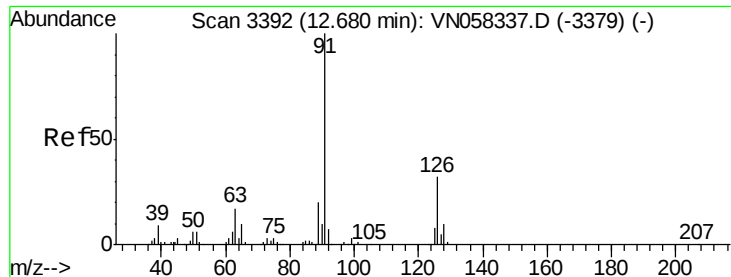
Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tgt Ion:	91	Resp:	660554
Ion Ratio	Lower	Upper	
91	100		
120	21.8	0.0	44.0





#75

2-Chlorotoluene

Concen: 20.386 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVFN092419

Tot Ion: 91 Resp: 387633

Ion Ratio Lower Upper

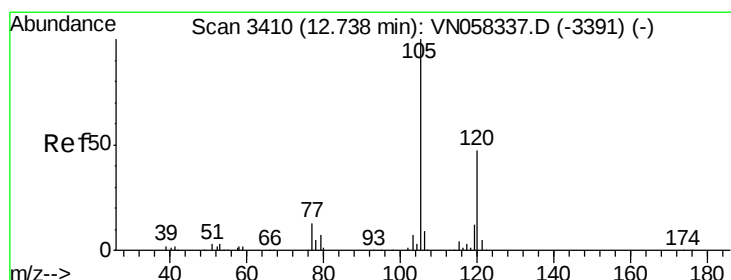
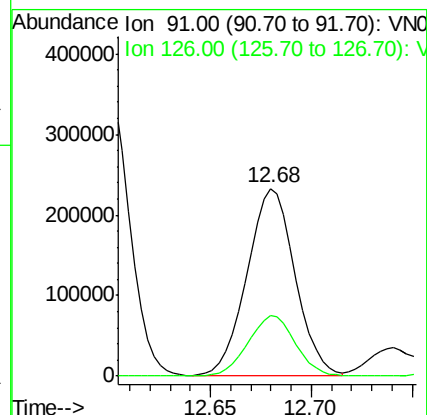
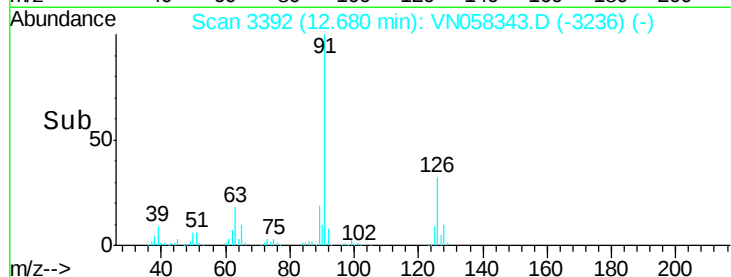
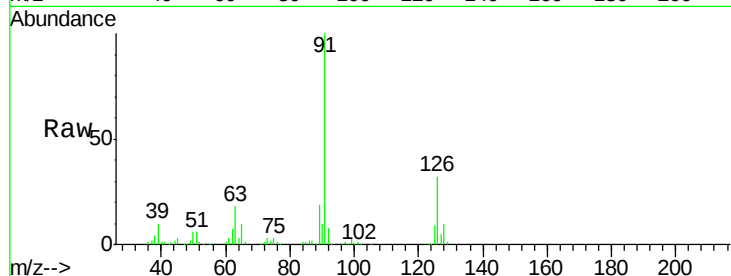
91 100

126 32.0 0.0 65.0

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#76

1,3,5-Trimethylbenzene

Concen: 20.850 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058343.D

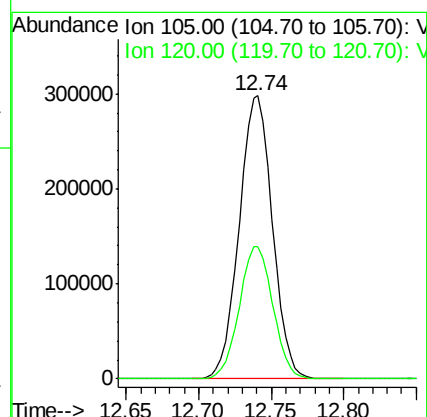
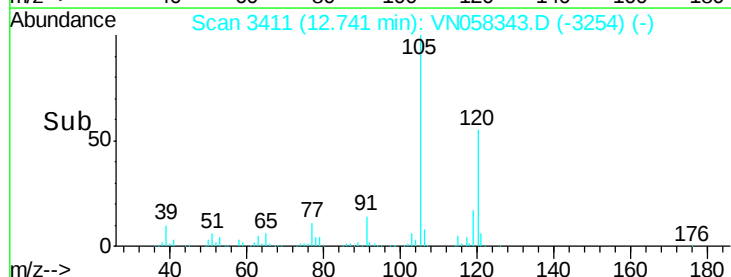
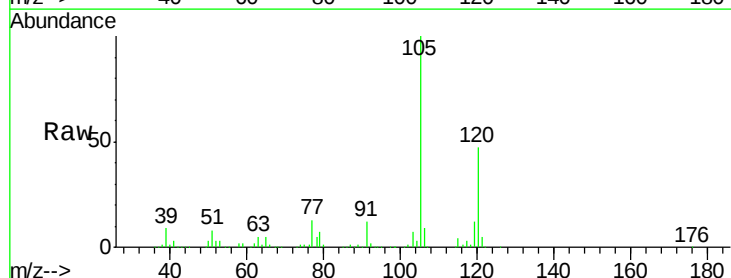
Acq: 24 Sep 2019 13:43

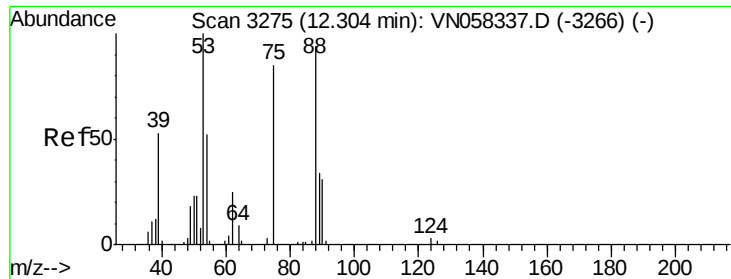
Tgt Ion: 105 Resp: 473360

Ion Ratio Lower Upper

105 100

120 47.3 0.0 94.4





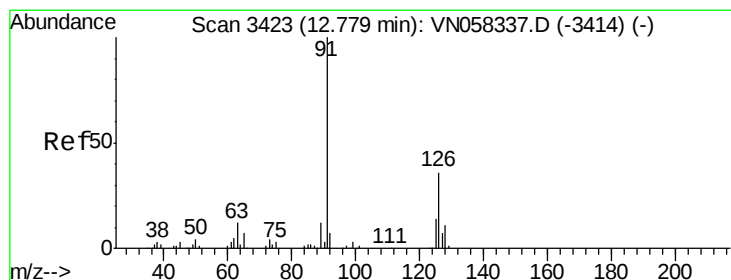
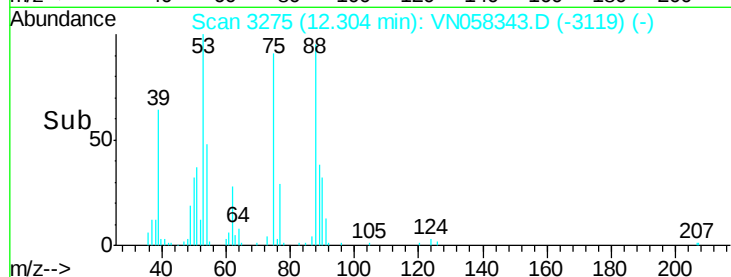
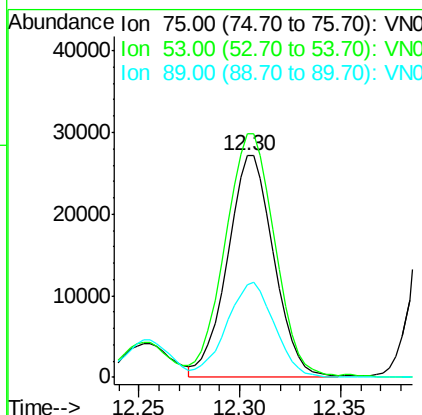
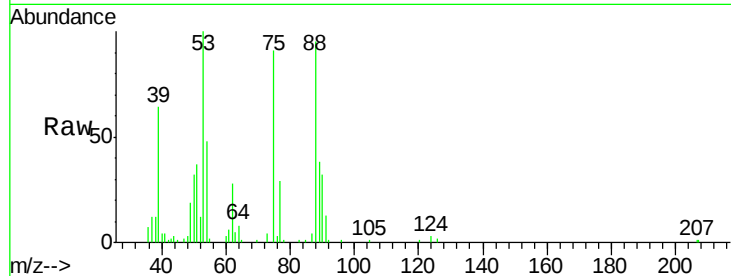
#77
t-1,4-Dichloro-2-butene
Concen: 18.625 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.8	59.0	176.8
89	42.2	21.6	65.0

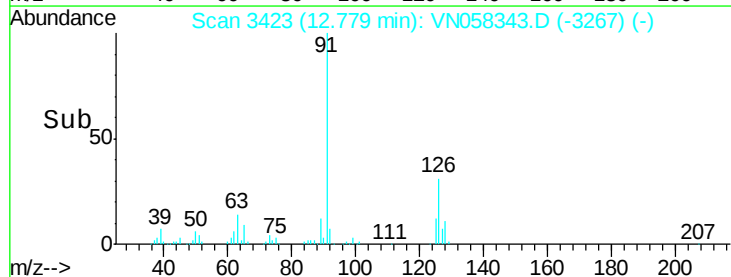
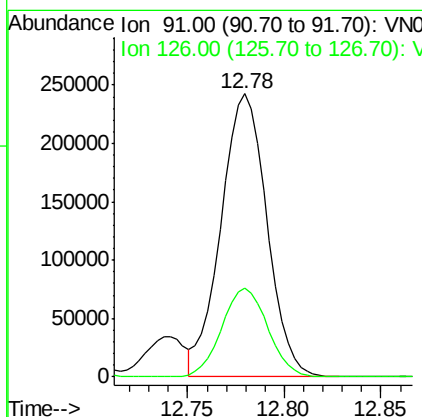
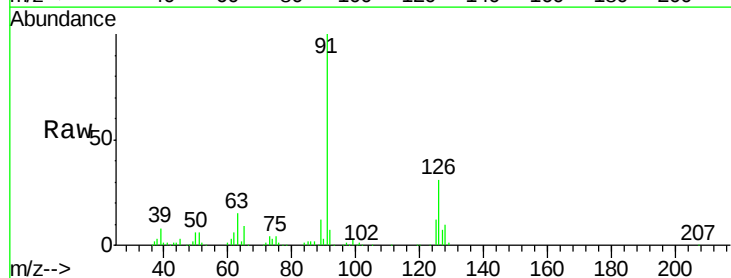
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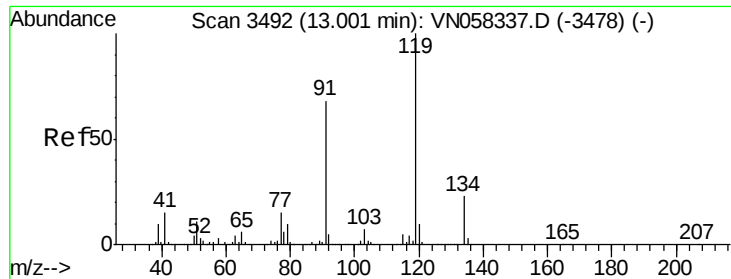
MMDadoda
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#78
4-Chlorotoluene
Concen: 20.475 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	63.8





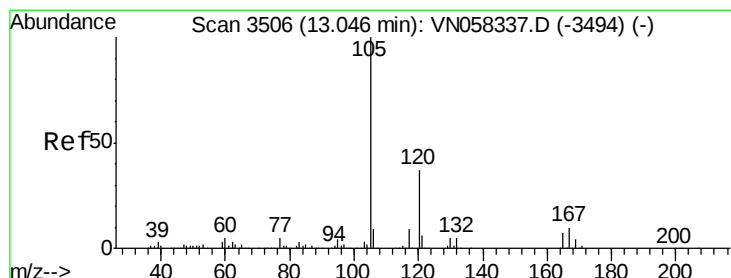
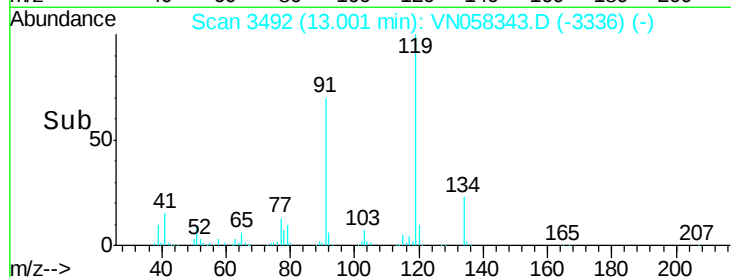
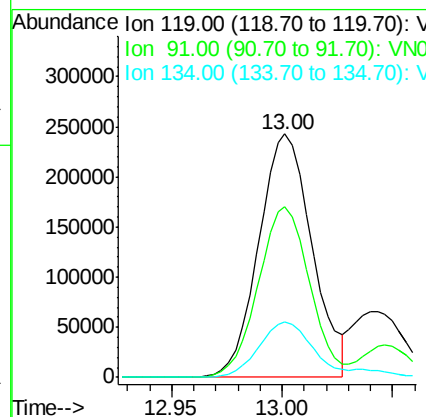
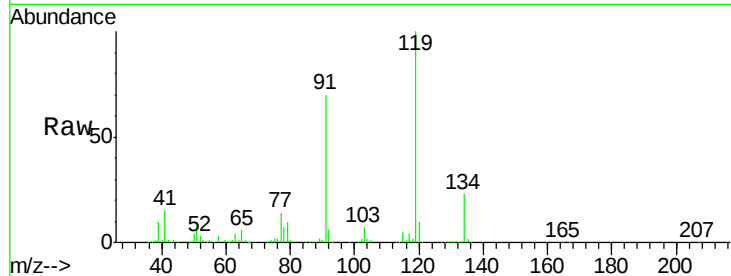
#79
tert-butylbenzene
Concen: 20.671 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion	Ratio	Resp	Lower	Upper
119	100	406337		
91	68.0		0.0	138.2
134	23.0		0.0	46.8

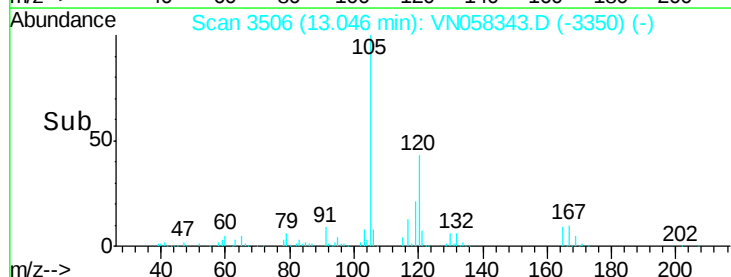
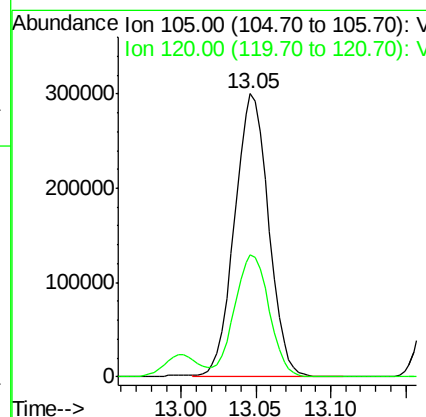
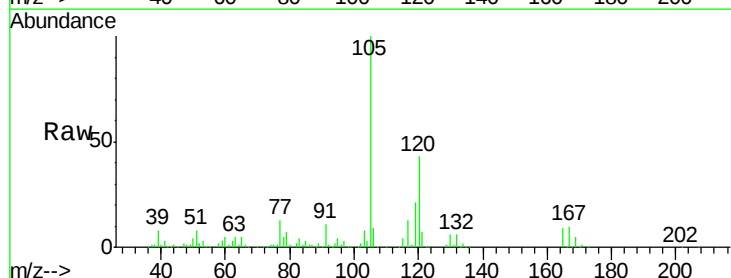
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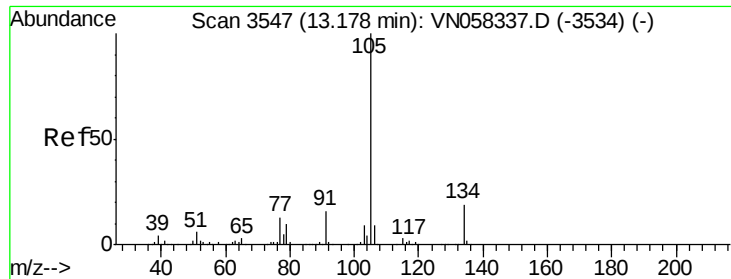
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#80
1,2,4-Trimethylbenzene
Concen: 21.003 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	475963		
120	43.6		0.0	86.6





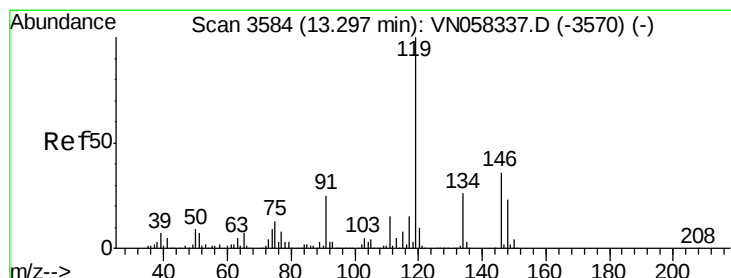
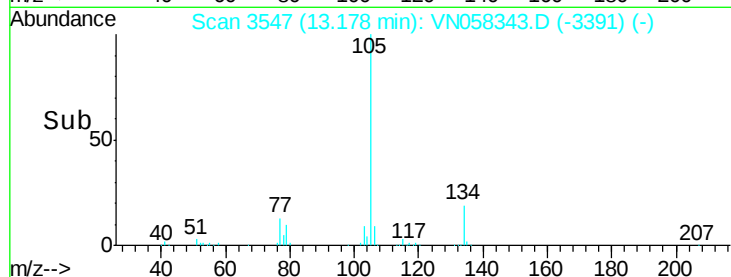
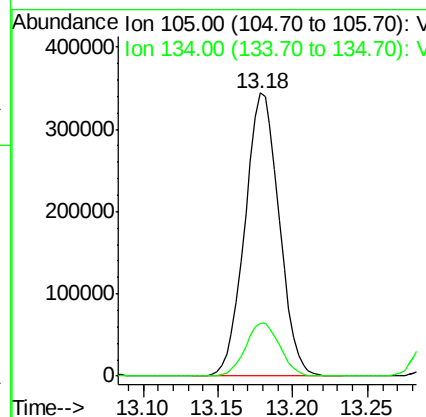
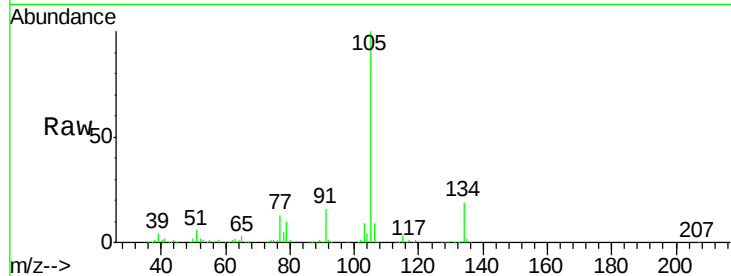
#81
 sec-Butylbenzene
 Concen: 21.242 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion	Ratio	Resp	Lower	Upper
105	100	547676		
134	18.8	0.0	38.2	

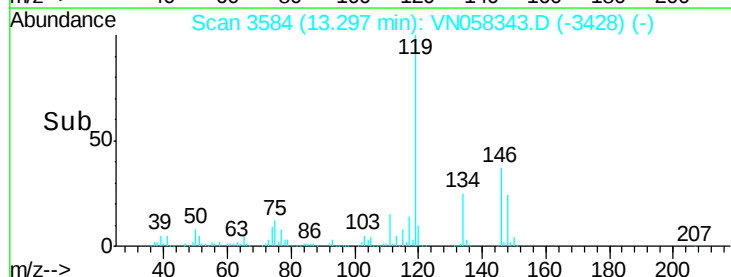
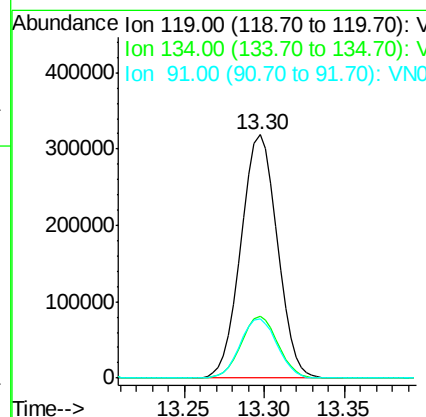
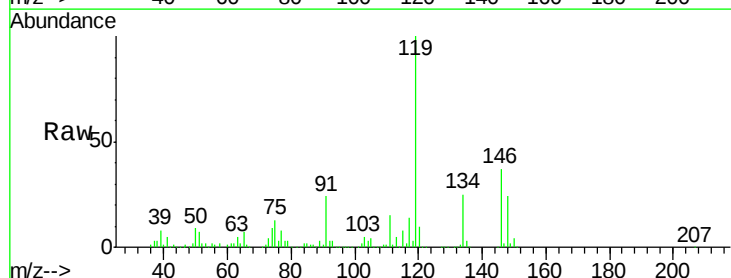
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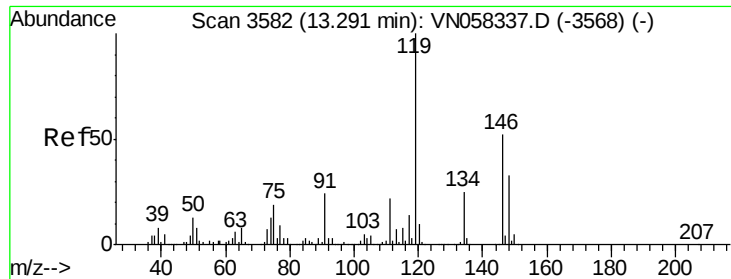
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#82
 p-Isopropyltoluene
 Concen: 21.242 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	493187		
134	25.5	0.0	51.6	
91	24.7	0.0	49.6	





#83

1,3-Dichlorobenzene

Concen: 20.001 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

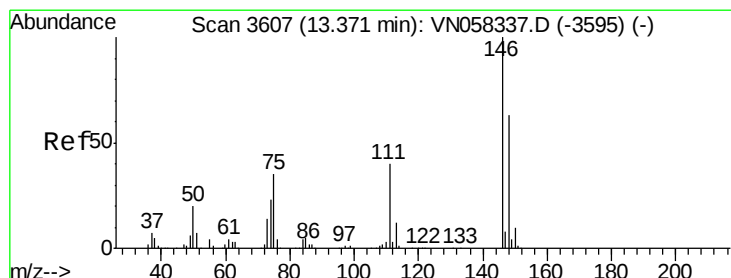
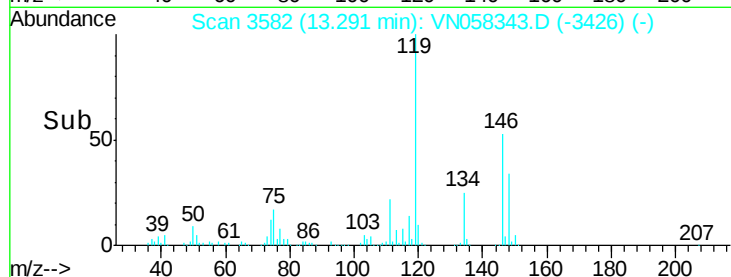
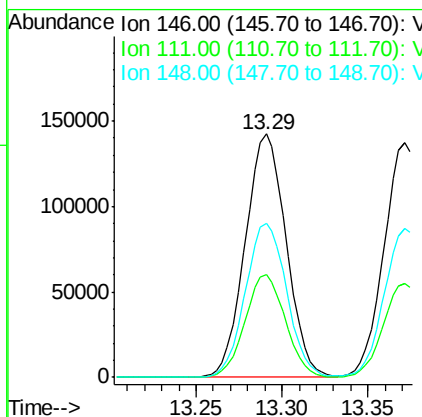
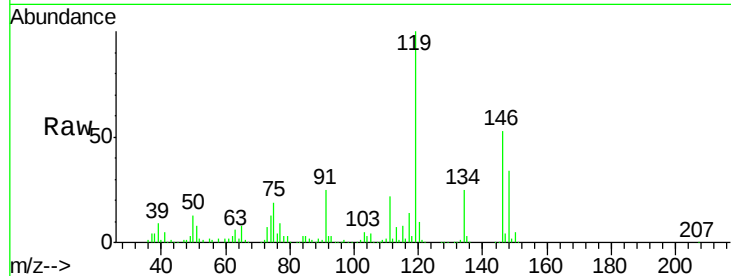
ClientSampleId :

ICVVN092419

Tot Ion:	146	Resp:	235670
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.9	62.8
148	63.7	32.0	96.2

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#84

1,4-Dichlorobenzene

Concen: 19.512 ug/l

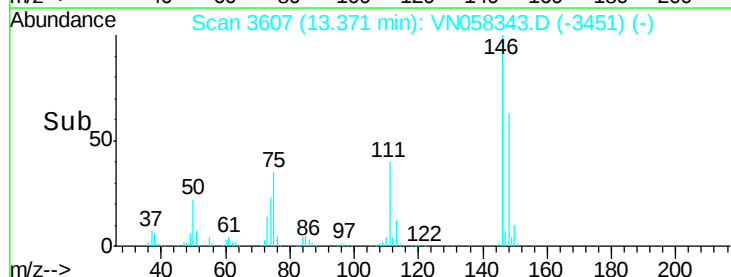
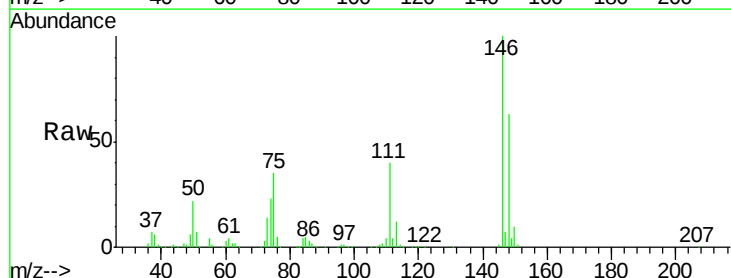
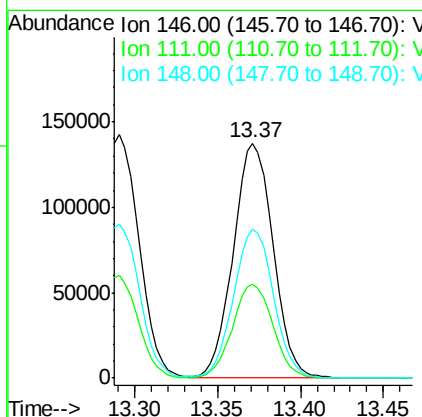
RT: 13.37 min Scan# 3607

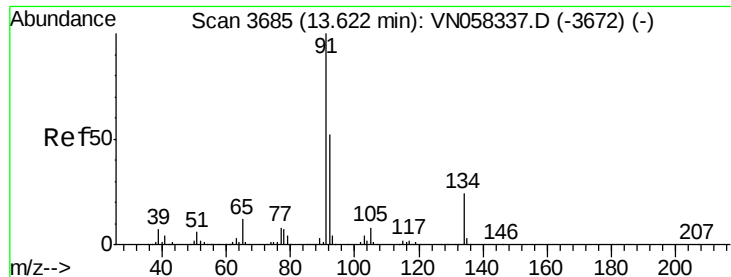
Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tgt Ion:	146	Resp:	228821
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.4	61.3
148	63.9	31.9	95.7





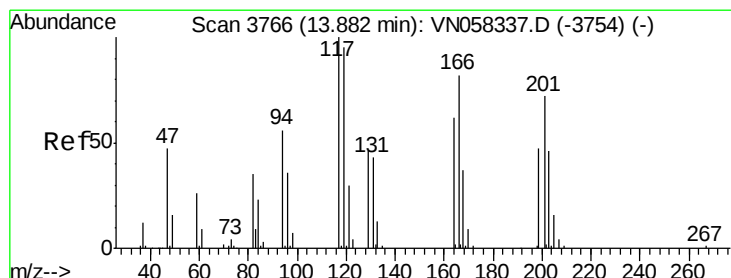
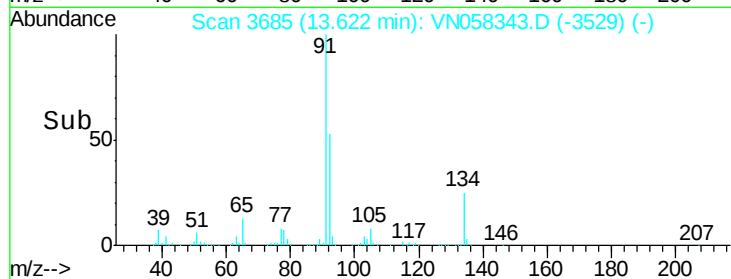
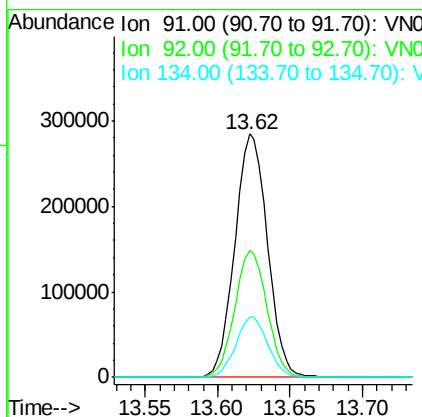
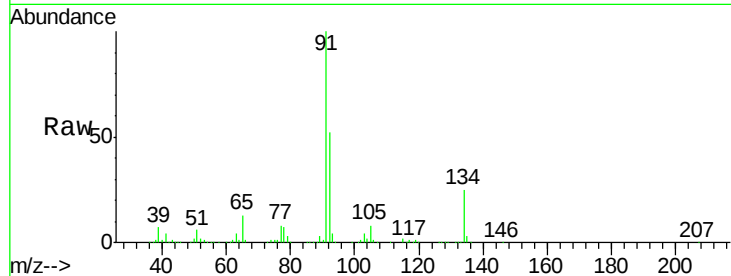
#85
n-Butylbenzene
Concen: 20.689 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	102.6
134	24.3	0.0	47.8

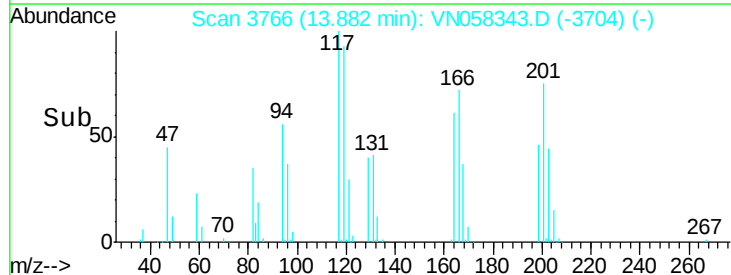
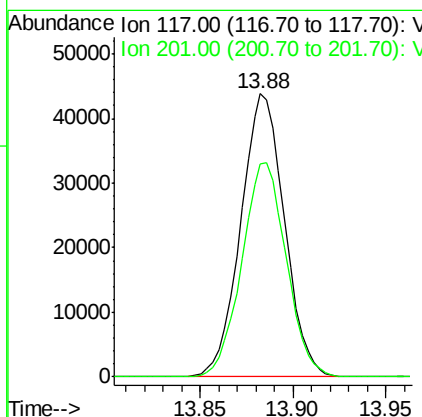
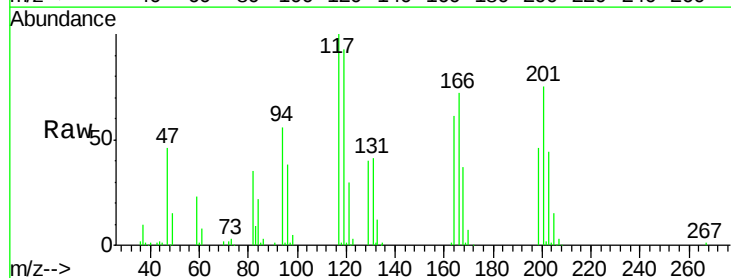
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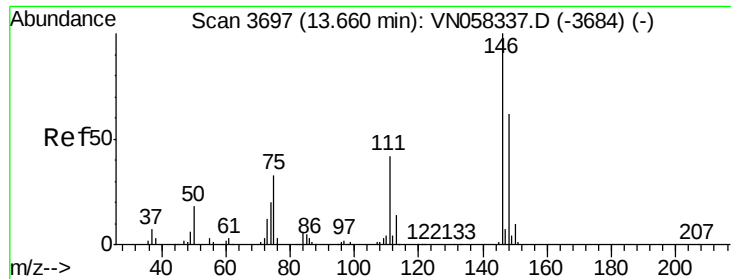
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#86
Hexachloroethane
Concen: 19.084 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	37.2	111.6





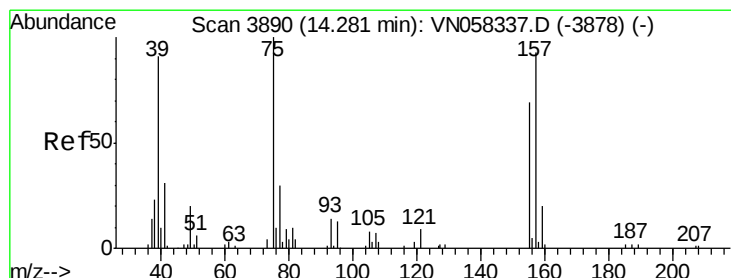
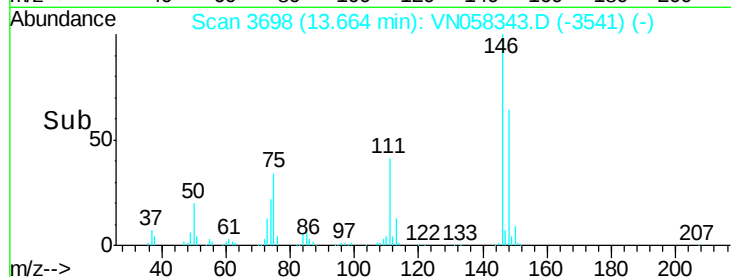
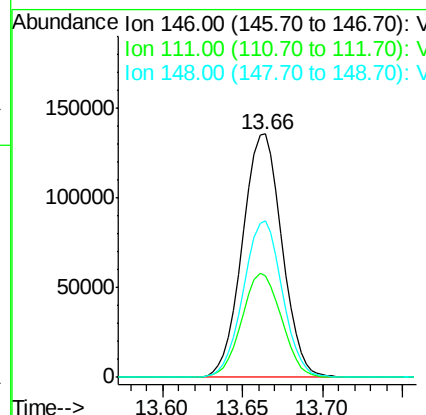
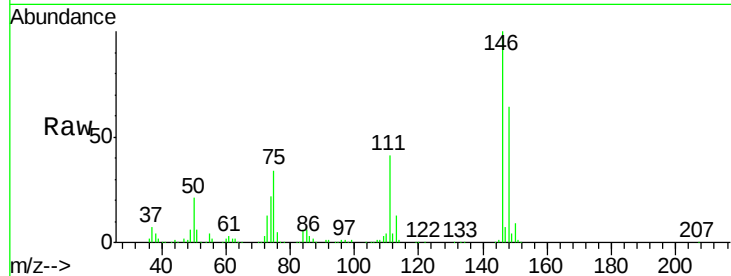
#87
 1,2-Dichlorobenzene
 Concen: 19.854 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.3
148	63.4	31.9	95.7

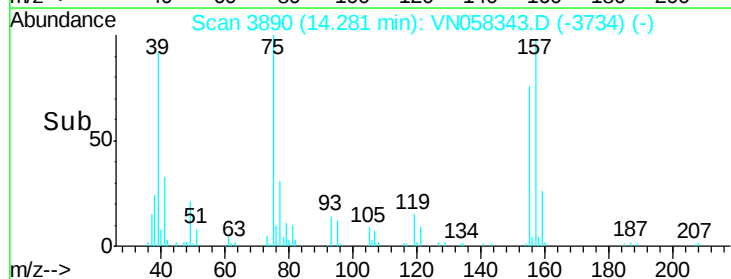
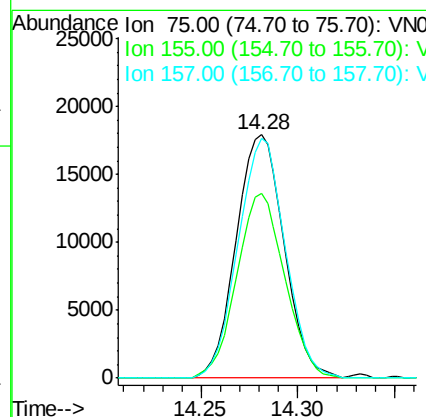
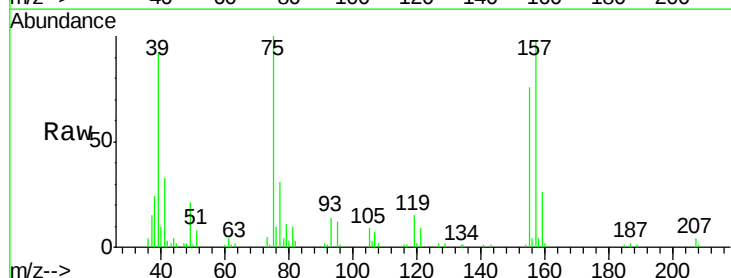
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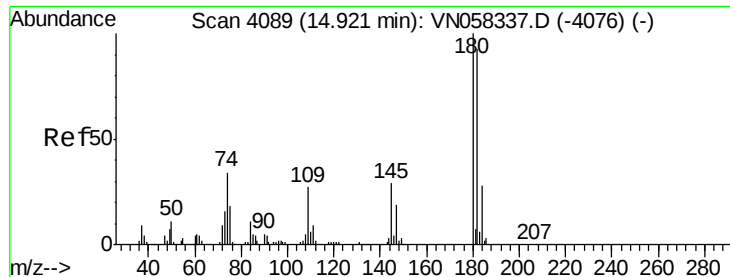
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.883 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	58.5	87.7
157	96.5	75.4	113.2





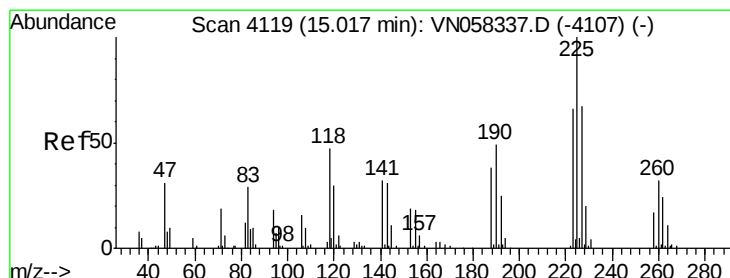
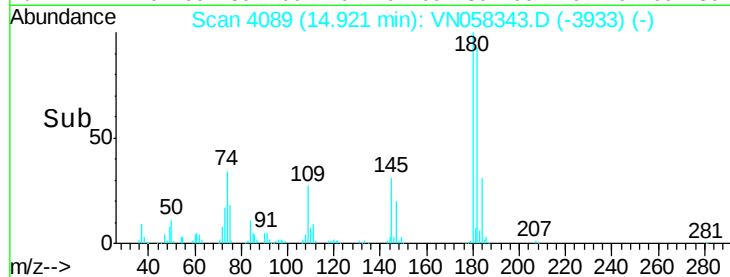
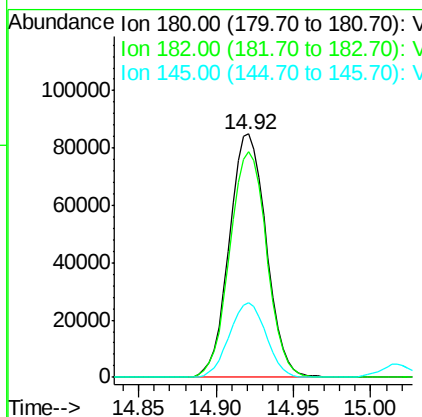
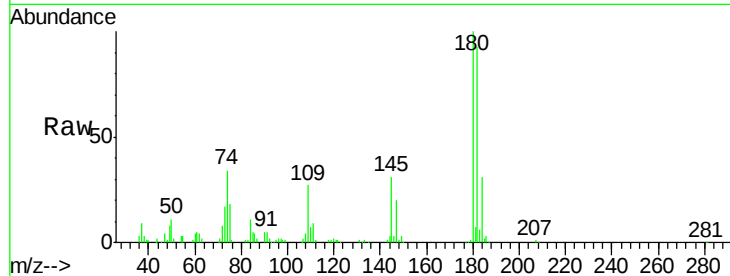
#89
 1,2,4-Trichlorobenzene
 Concen: 18.784 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141198		
182	92.4	75.2	112.8	
145	30.5	25.1	37.7	

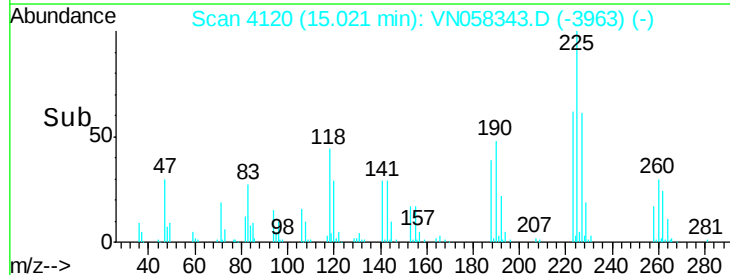
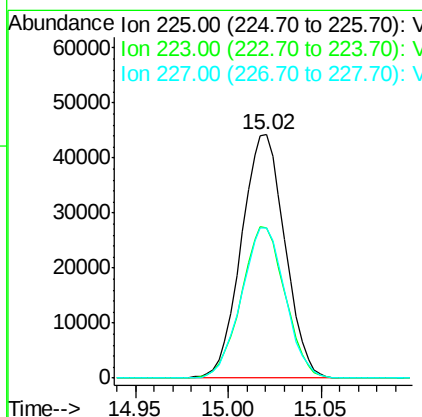
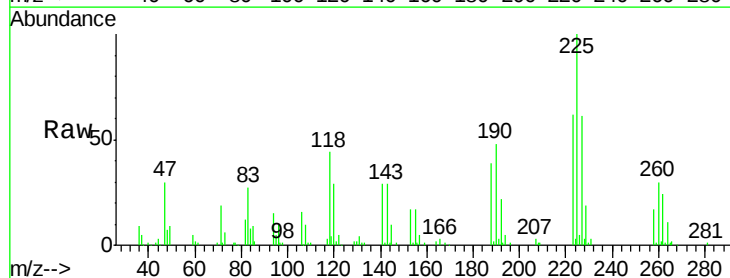
Manual Integrations
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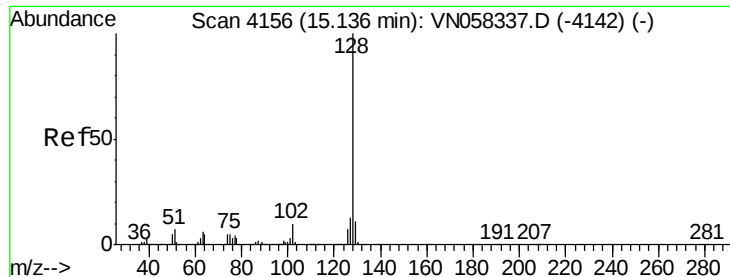
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 19.805 ug/l
 RT: 15.02 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72033		
223	62.2	0.0	132.6	
227	61.9	0.0	129.2	





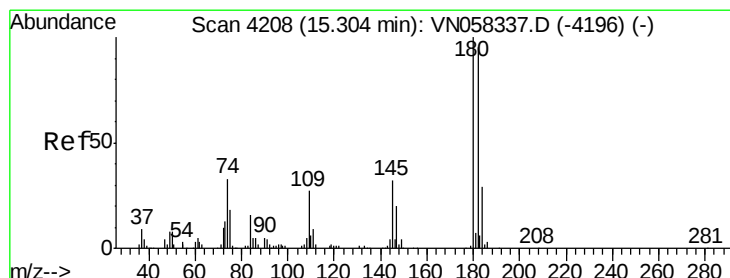
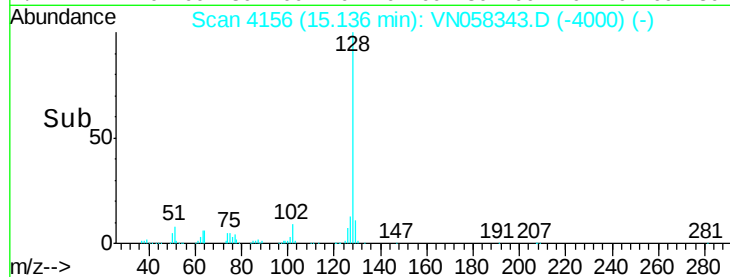
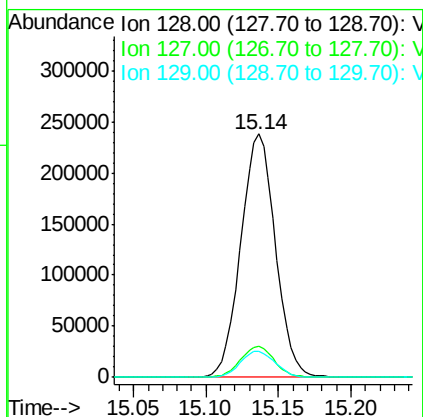
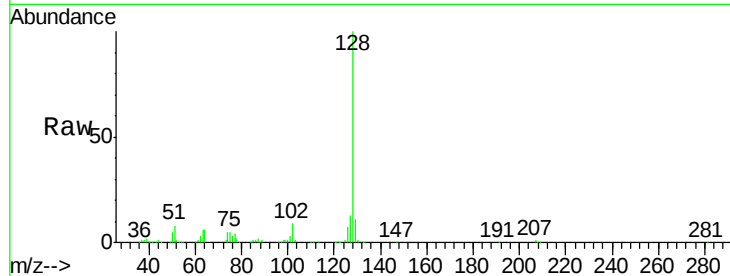
#91
Naphthalene
Concen: 19.137 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tot Ion	Ratio	Resp	Lower	Upper
128	100	395042		
127	12.6		10.2	15.4
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/25/2019 8:24:04 AM



#92
1,2,3-Trichlorobenzene
Concen: 18.502 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133570		
182	92.8		0.0	189.4
145	31.0		0.0	64.0

