

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058342.D
 Acq On : 24 Sep 2019 12:21
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 8:23:59 AM

Quant Time: Sep 25 01:36:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	83639	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	492844	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	429036	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	226507	30.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.77%
60) 4-Bromofluorobenzene	12.41	95	215559	29.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.43%
63) Toluene-d8	10.08	98	622340	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	23630	4.637 ug/l	97
3) Chloromethane	2.04	50	30996	5.000 ug/l	99
4) Vinyl Chloride	2.17	62	29511	4.673 ug/l	99
5) Bromomethane	2.54	94	18885	5.002 ug/l	98
6) Chloroethane	2.69	64	16712	4.296 ug/l	92
7) Trichlorofluoromethane	3.00	101	34808	4.849 ug/l	99
8) Diethyl Ether	3.39	74	15459	5.140 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	24872	5.337 ug/l	61
10) 1,1-Dichloroethene	3.72	96	24042	5.370 ug/l	93
11) Methyl Iodide	3.93	142	17850	3.185 ug/l	95
12) Methyl Acetate	4.30	43	32906	5.466 ug/l	99
13) Acrolein	3.59	56	3202	10.470 ug/l	91
14) Acrylonitrile	4.96	53	62920	25.378 ug/l	100
15) Acetone	3.80	58	18264m	26.097 ug/l	
16) Carbon Disulfide	4.03	76	65792	6.125 ug/l	97
17) Allyl chloride	4.30	41	42091	5.107 ug/l	90
18) Methylene Chloride	4.53	84	28353	5.089 ug/l	93
19) trans-1,2-Dichloroethene	5.01	96	26956	5.404 ug/l	94
20) Diisopropyl ether	5.93	45	89548	4.754 ug/l	96
21) 1,1-Dichloroethane	5.82	63	51400	4.950 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	30517	5.052 ug/l	99
23) tert-Butyl Alcohol	4.76	59	24567	29.844 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	83275	4.936 ug/l	98
25) Chloroform	7.36	83	54188	5.121 ug/l	98
26) Cyclohexane	7.64	56	47511	5.305 ug/l	# 99
29) 1,1-Dichloropropene	7.78	75	39900	5.074 ug/l	99
30) 2-Butanone	6.82	43	93040	26.338 ug/l	99
31) 2,2-Dichloropropane	6.80	77	40129	4.838 ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	40898	4.668 ug/l	98
33) Carbon Tetrachloride	7.76	117	34401	4.746 ug/l	91
34) Benzene	8.03	78	116626	5.045 ug/l	# 69
35) Methacrylonitrile	7.16	41	12687m	3.804 ug/l	
36) 1,2-Dichloroethane	8.11	62	46550	5.194 ug/l	100
37) Trichloroethene	8.82	130	29243	5.178 ug/l	97
38) Methylcyclohexane	9.07	83	49119	5.434 ug/l	97
39) 1,2-Dichloropropane	9.11	63	32057	4.974 ug/l	97
40) Dibromomethane	9.20	93	19716	5.000 ug/l	97

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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 VSTDIC005

Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	36329	4.568	ug/l	95
42) Vinyl Acetate	5.88	43	357069	25.211	ug/l	99
43) Ethyl Acetate	6.91	43	32813	4.591	ug/l #	89
44) Isopropyl Acetate	8.15	43	62918	4.962	ug/l	93
45) 1,4-Dioxane	9.19	88	11600	114.400	ug/l	97
46) Methyl methacrylate	9.19	41	29872	4.873	ug/l	99
47) n-amyl Acetate	12.08	43	49315	4.292	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	36141	4.244	ug/l	95
49) cis-1,3-Dichloropropene	9.83	75	42995	4.492	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	28193	4.958	ug/l	99
51) Ethyl methacrylate	10.43	69	39709	4.479	ug/l	98
52) 1,3-Dichloropropane	10.71	76	48096	4.812	ug/l	99
53) Dibromochloromethane	10.90	129	23839	4.198	ug/l	98
54) 1,2-Dibromoethane	11.01	107	26756	4.698	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	84231	20.676	ug/l	99
56) Bromoform	12.13	173	13639	3.879	ug/l	95
58) 4-Methyl-2-Pentanone	9.98	43	186444	27.788	ug/l	100
59) 2-Hexanone	10.75	43	135698	26.927	ug/l	99
61) Tetrachloroethene	10.63	164	22357	5.072	ug/l	88
62) Toluene	10.15	91	125643	5.270	ug/l	99
64) Chlorobenzene	11.44	112	74478	5.039	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	23929	4.650	ug/l	98
66) Ethyl Benzene	11.51	91	136694	5.239	ug/l	99
67) m/p-Xylenes	11.62	106	98923	9.925	ug/l	98
68) o-Xylene	11.95	106	46548	4.759	ug/l	96
69) Styrene	11.97	104	75594	4.560	ug/l	99
70) Isopropylbenzene	12.26	105	128160	4.991	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	39222	4.888	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	35159m	4.937	ug/l	
73) Bromobenzene	12.53	156	29869	4.821	ug/l	97
74) n-propylbenzene	12.60	91	149217	5.074	ug/l	99
75) 2-Chlorotoluene	12.68	91	90781	4.946	ug/l	96
76) 1,3,5-Trimethylbenzene	12.74	105	105574	4.810	ug/l	99
77) t-1,4-Dichloro-2-butene	12.31	75	8180	3.789	ug/l	98
78) 4-Chlorotoluene	12.78	91	89680	4.769	ug/l	99
79) tert-butylbenzene	13.00	119	90073	4.736	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	104551	4.770	ug/l	100
81) sec-Butylbenzene	13.18	105	120647	4.745	ug/l	99
82) p-Isopropyltoluene	13.30	119	107405	4.737	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	54214	4.733	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	53728	4.751	ug/l	99
85) n-Butylbenzene	13.62	91	94024	4.461	ug/l	98
86) Hexachloroethane	13.88	117	14174	3.885	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	52325	4.688	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	6631	4.602	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	33877	4.951	ug/l	95
90) Hexachlorobutadiene	15.02	225	17411	5.505	ug/l	92
91) Naphthalene	15.14	128	99332	5.307	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	33868	5.206	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

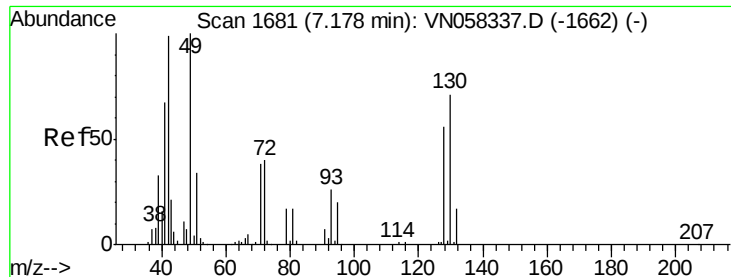
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 83639

Ion Ratio Lower Upper

128 100

49 185.7 0.0 458.5

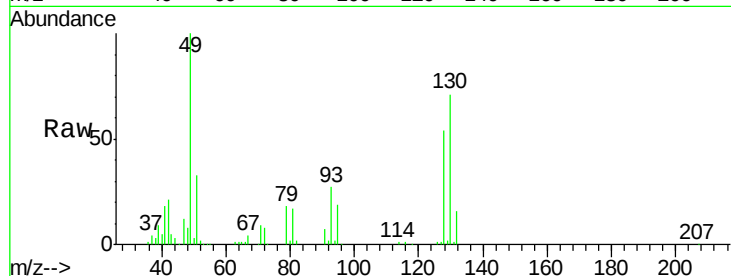
130 129.8 0.0 320.7

Manual Integrations

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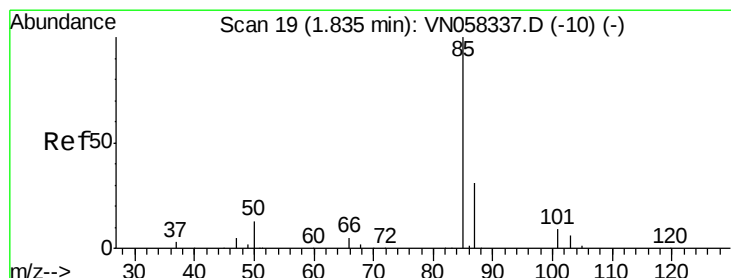
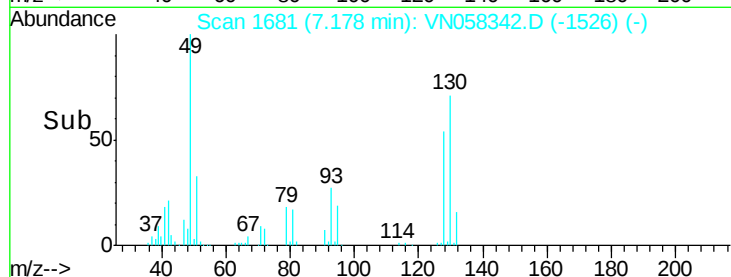
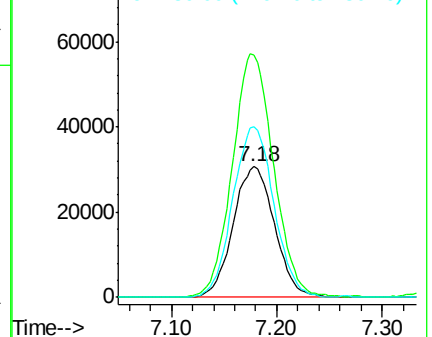
9/25/2019 8:23:59 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.637 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058342.D

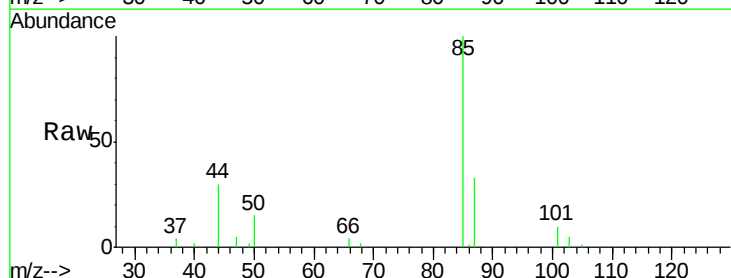
Acq: 24 Sep 2019 12:21

Tgt Ion: 85 Resp: 23630

Ion Ratio Lower Upper

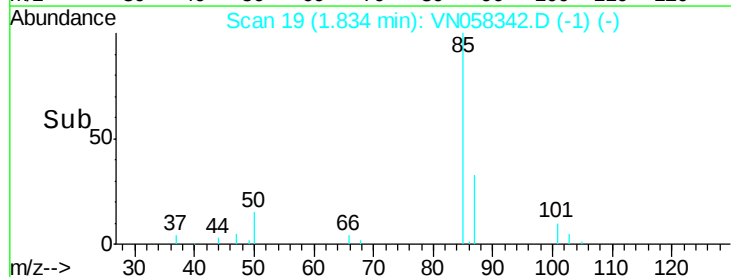
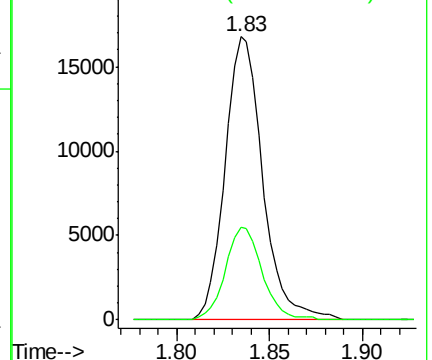
85 100

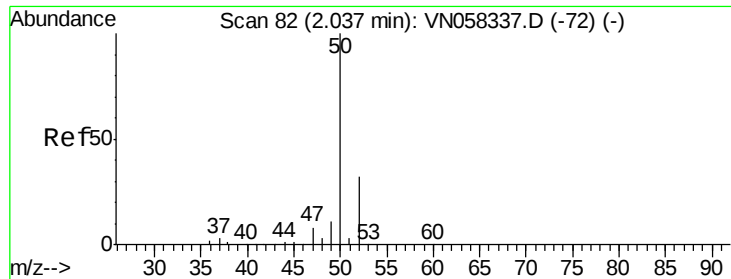
87 32.8 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 5.000 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 30996

Ion Ratio Lower Upper

50 100

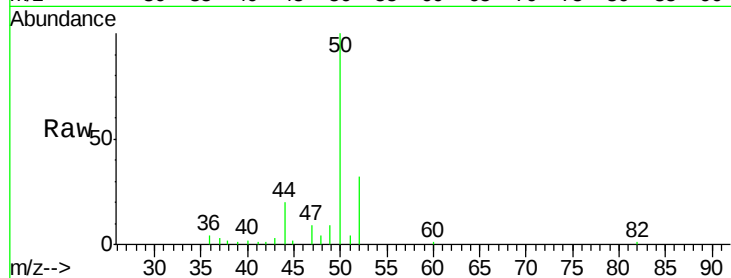
52 31.7 25.9 38.9

Manual Integrations

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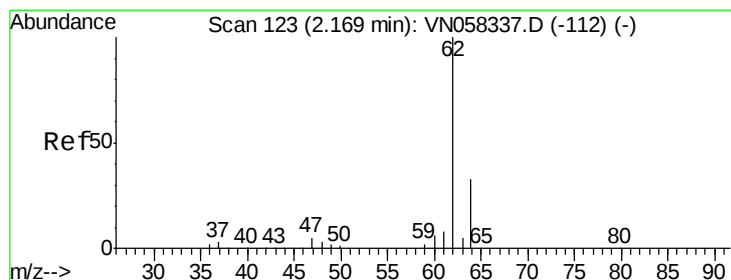
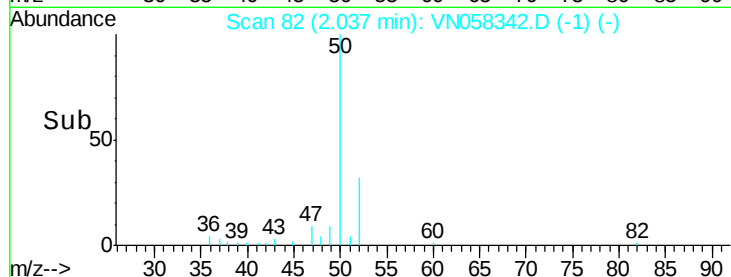
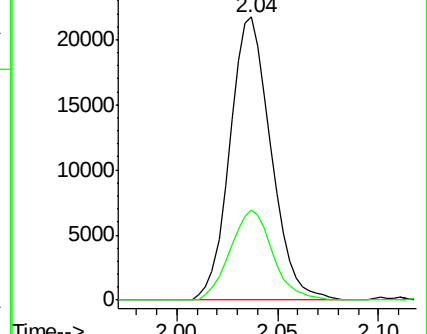
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.673 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058342.D

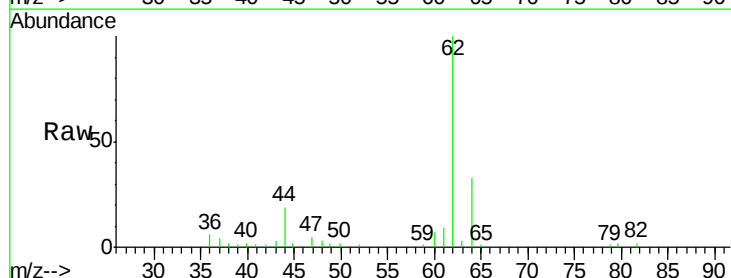
Acq: 24 Sep 2019 12:21

Tgt Ion: 62 Resp: 29511

Ion Ratio Lower Upper

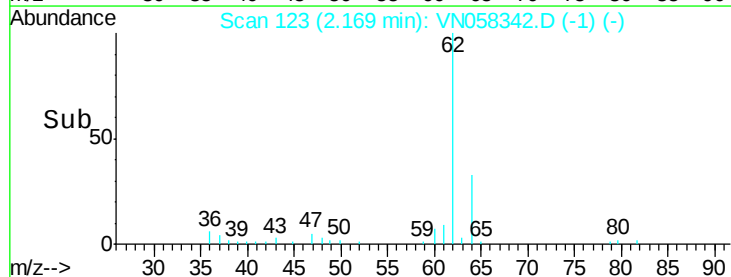
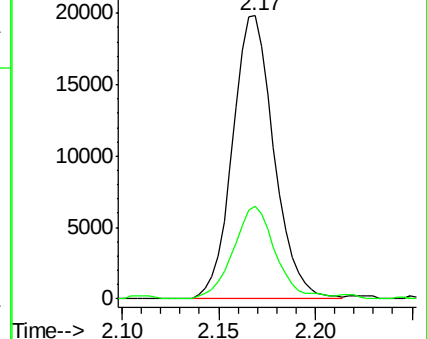
62 100

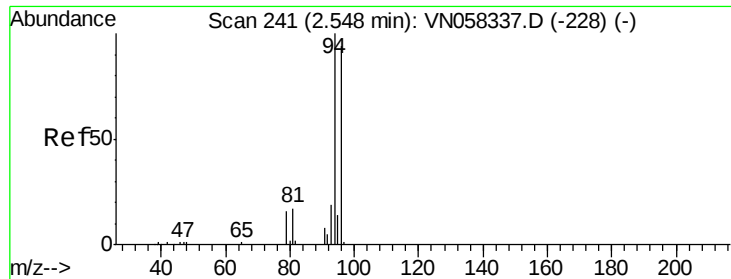
64 32.9 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 5.002 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 18885

Ion Ratio Lower Upper

94 100

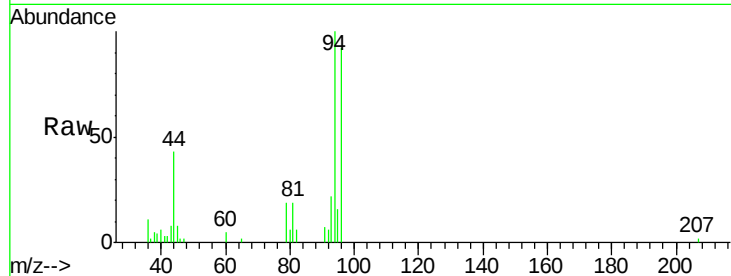
96 91.8 74.8 112.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.54

10000

8000

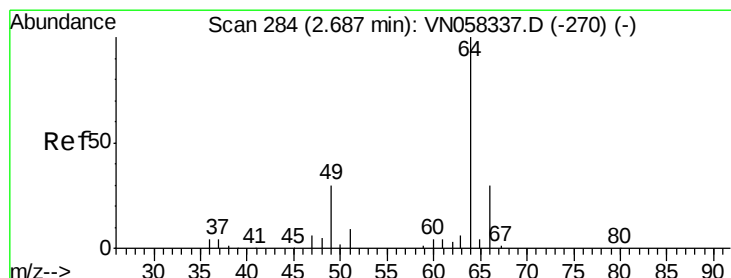
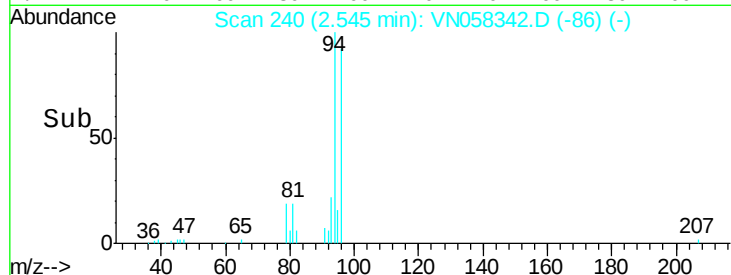
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 4.296 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058342.D

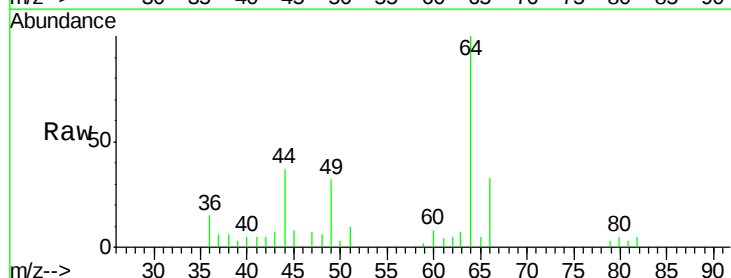
Acq: 24 Sep 2019 12:21

Tgt Ion: 64 Resp: 16712

Ion Ratio Lower Upper

64 100

66 34.1 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

10000

8000

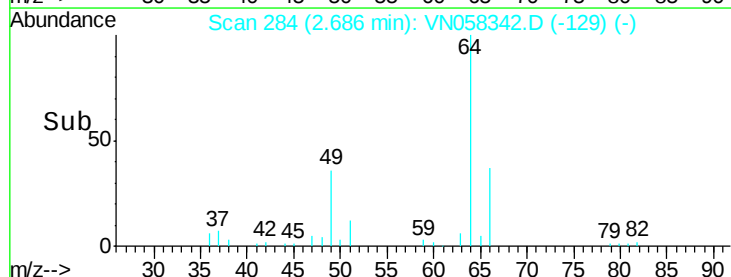
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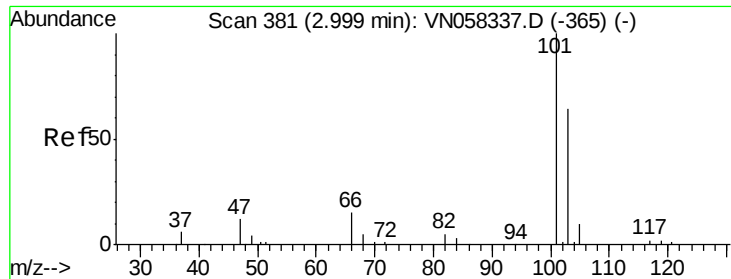
4000

2000

0

Time-->





#7

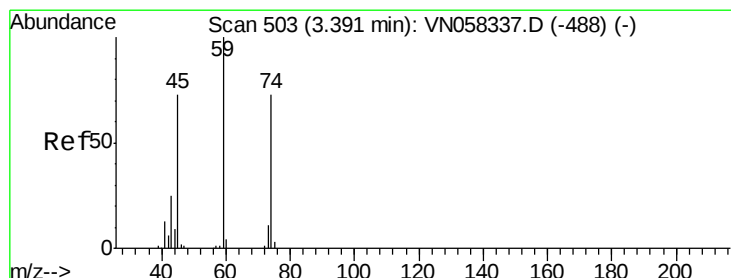
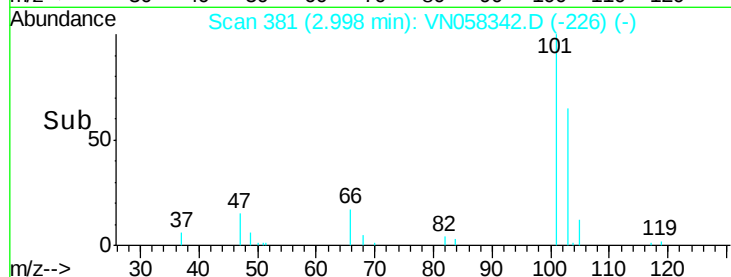
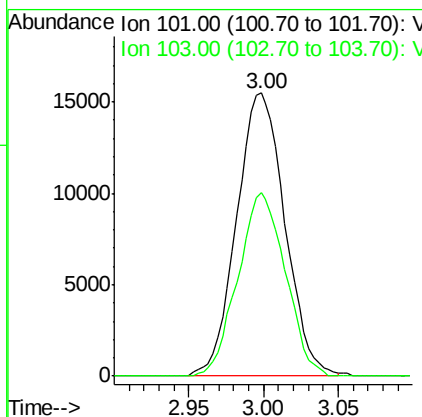
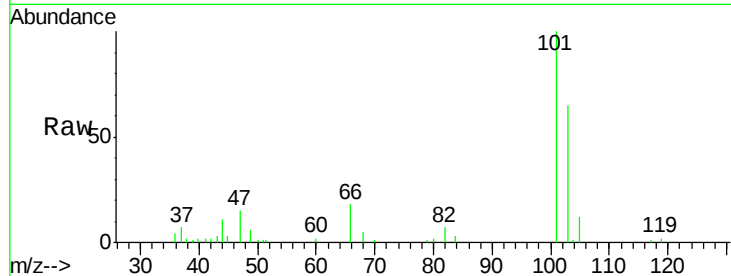
Trichlorofluoromethane
Concen: 4.849 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 34808
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3

Manual Integrations
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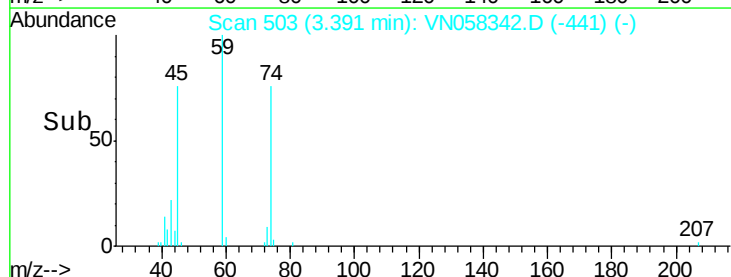
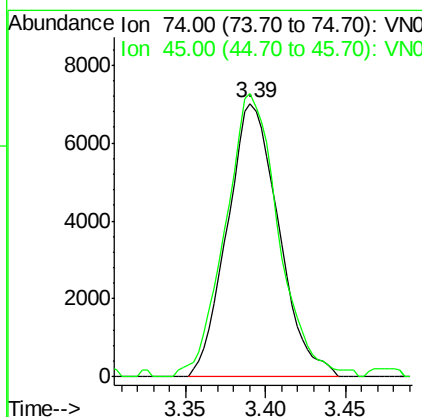
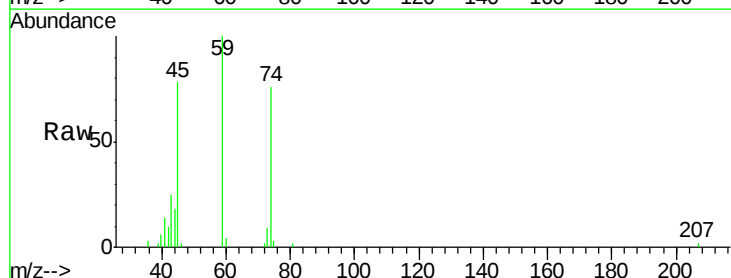
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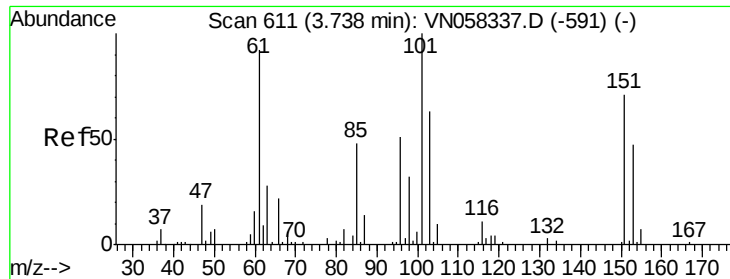


#8

Diethyl Ether
Concen: 5.140 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 74 Resp: 15459
Ion Ratio Lower Upper
74 100
45 106.7 20.8 187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.337 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

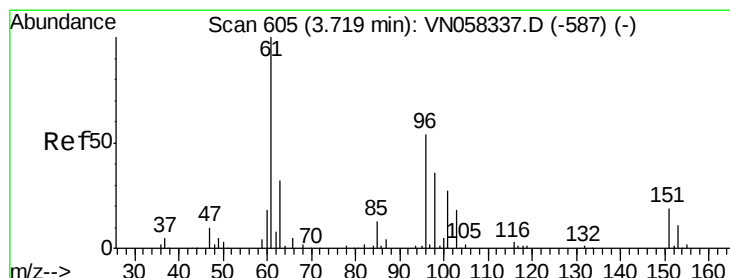
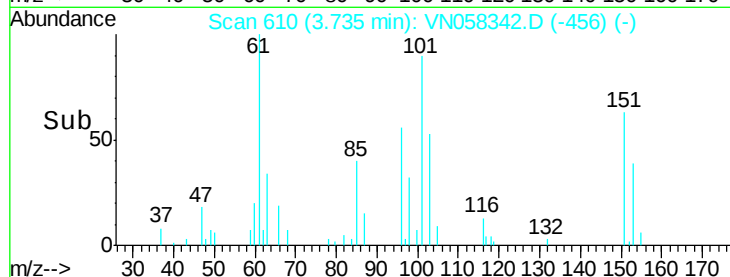
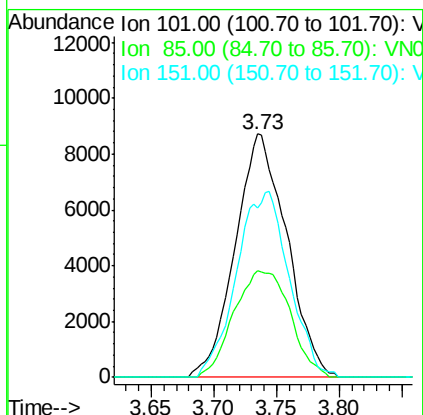
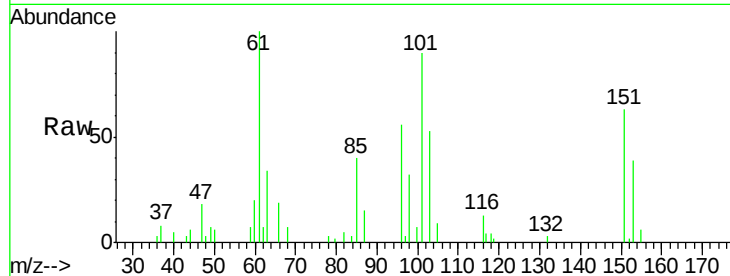
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	24872
Ion Ratio	Lower	Upper	
101	100		
85	27.7	0.0	93.0
151	34.6	0.0	147.2

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#10

1,1-Dichloroethene

Concen: 5.370 ug/l

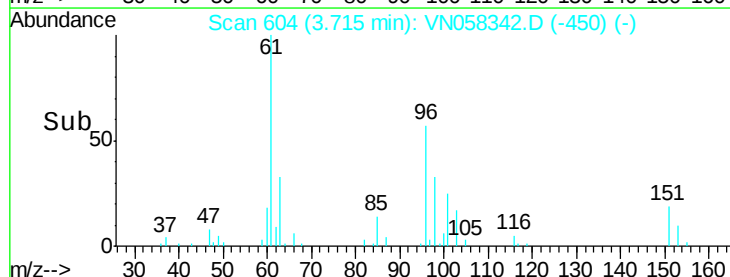
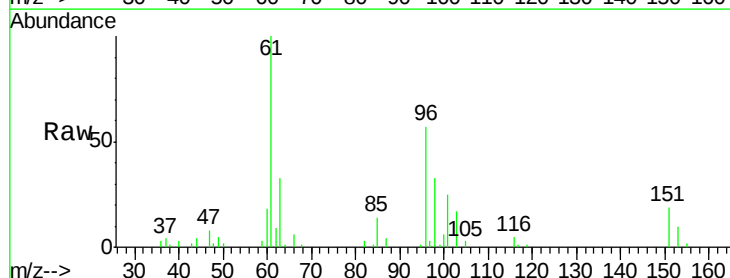
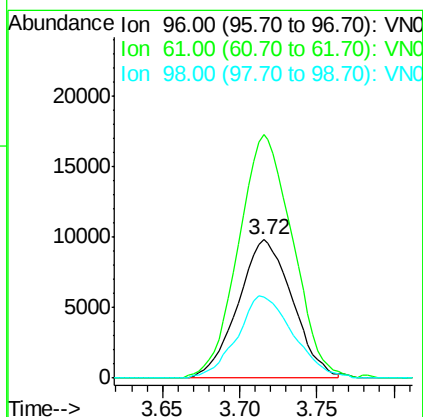
RT: 3.72 min Scan# 604

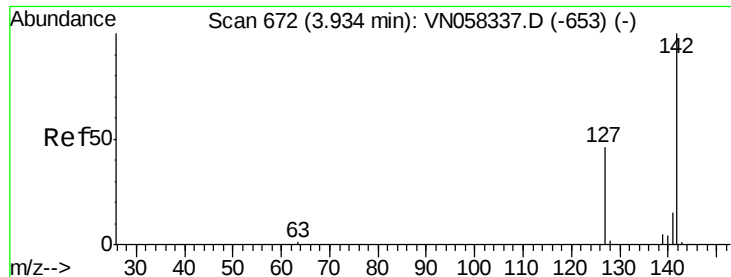
Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Tgt Ion:	96	Resp:	24042
Ion Ratio	Lower	Upper	
96	100		
61	174.4	146.9	220.3
98	59.0	52.3	78.5





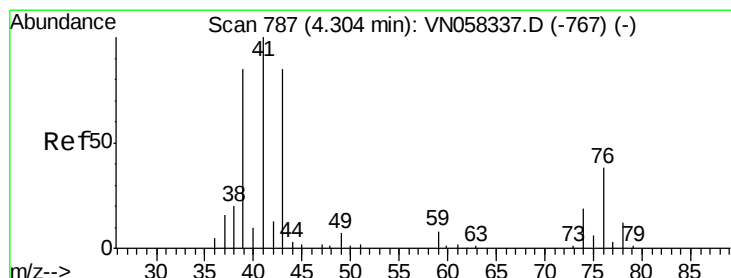
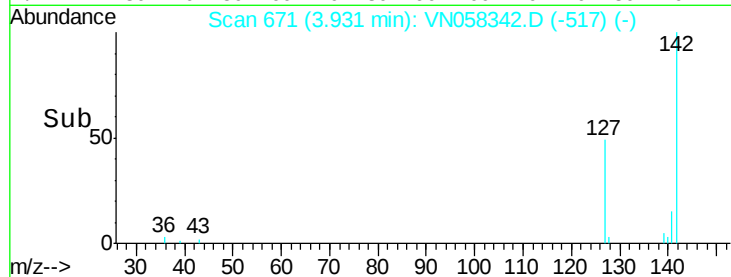
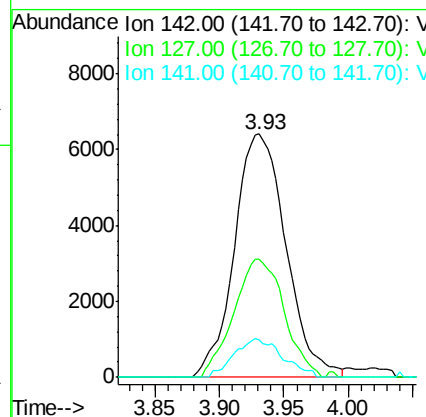
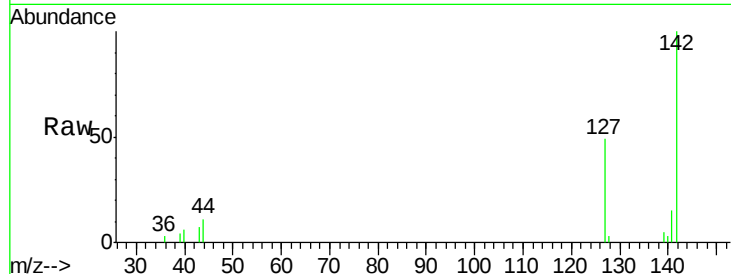
#11
Methvl Iodide
Concen: 3.185 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.5	22.9	68.7
141	15.7	7.4	22.3

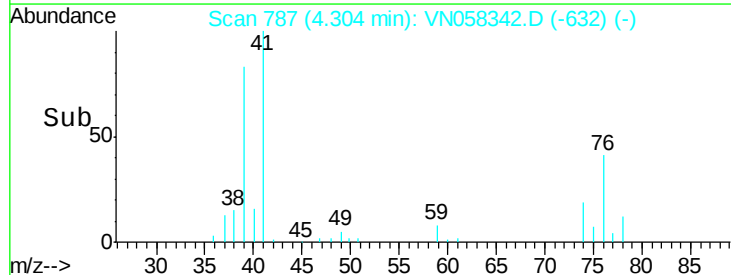
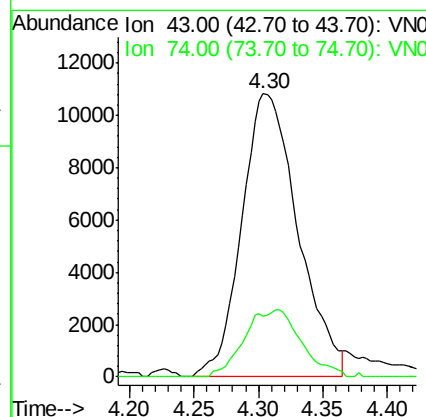
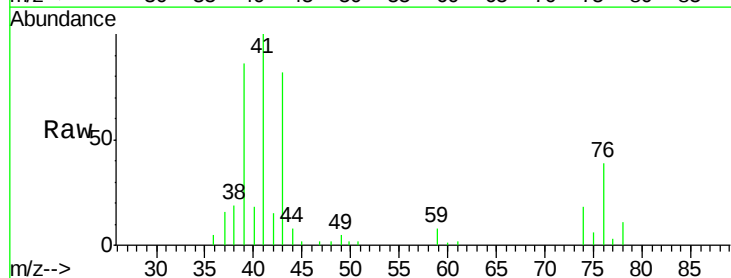
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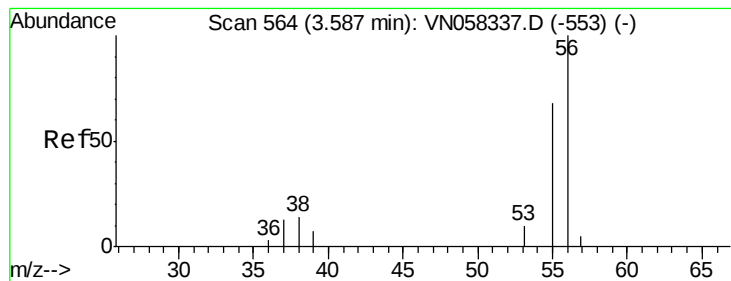
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#12
Methyl Acetate
Concen: 5.466 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.8	26.6





#13

Acrolein

Concen: 10.470 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Tot Ion: 56 Resp: 3202

Ion Ratio Lower Upper

56 100

55 65.7 58.4 87.6

Instrument :

MSVOA_N

ClientSampleId :

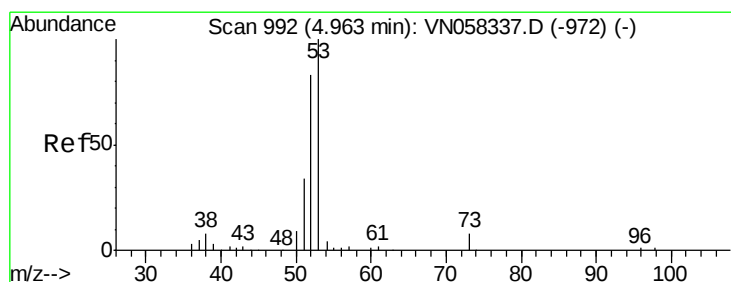
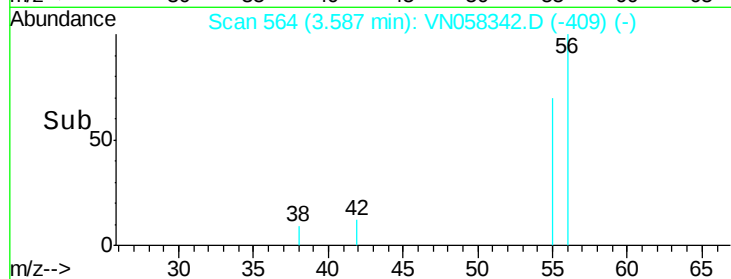
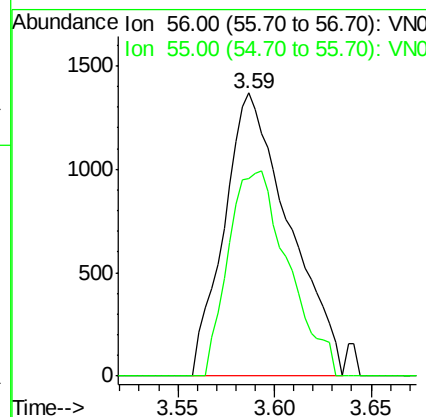
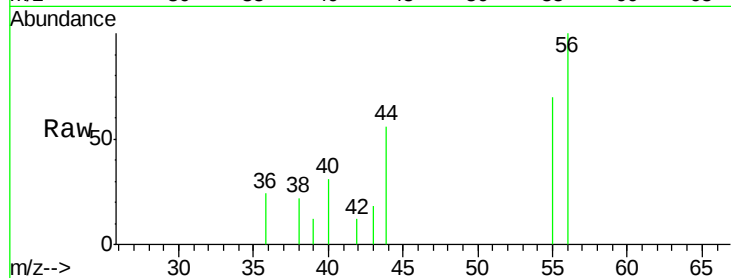
VSTDIC005

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#14

Acrylonitrile

Concen: 25.378 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

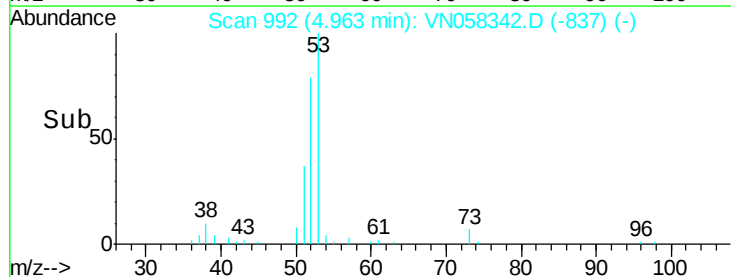
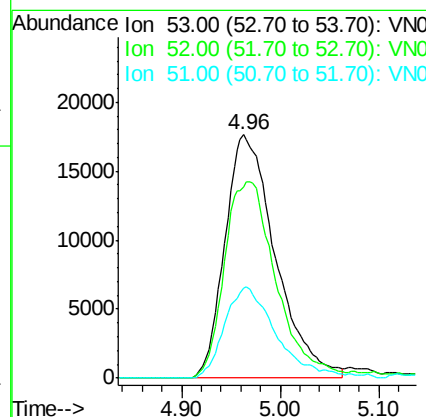
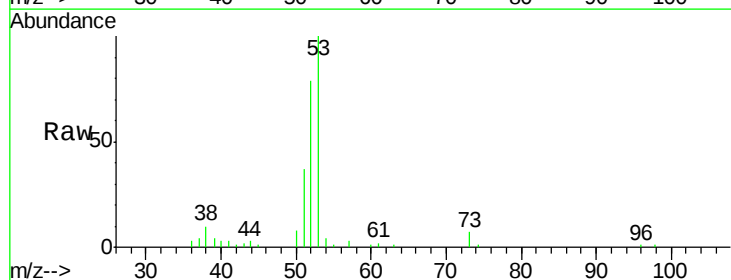
Tgt Ion: 53 Resp: 62920

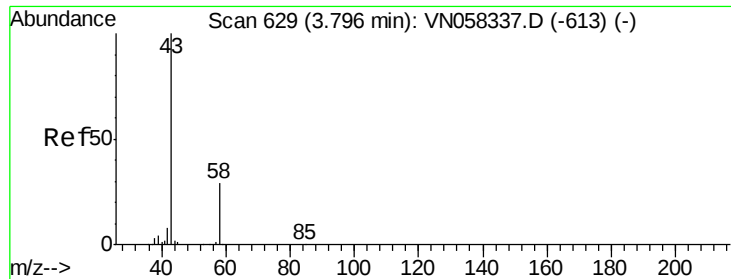
Ion Ratio Lower Upper

53 100

52 82.4 41.3 123.7

51 37.0 18.3 54.8





#15

Acetone

Concen: 26.097 ug/l m

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 18264

Ion Ratio Lower Upper

58 100

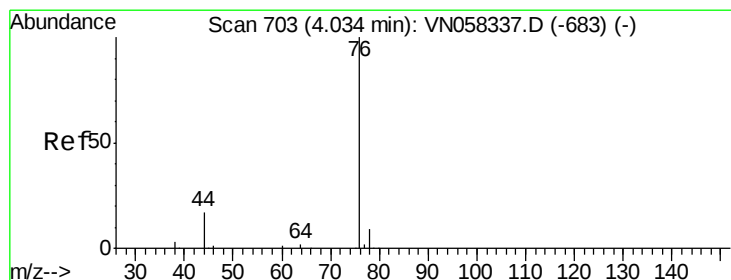
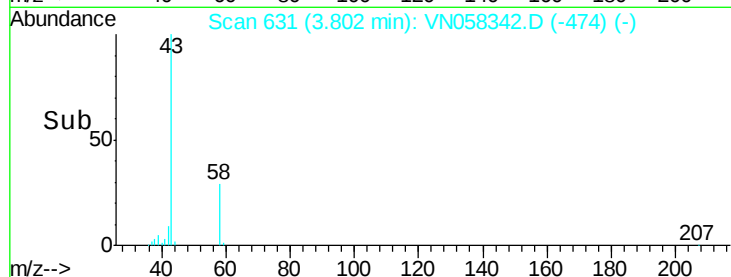
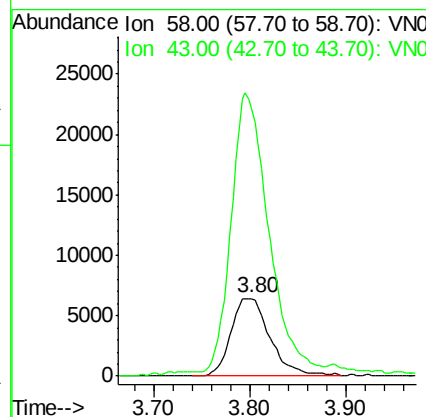
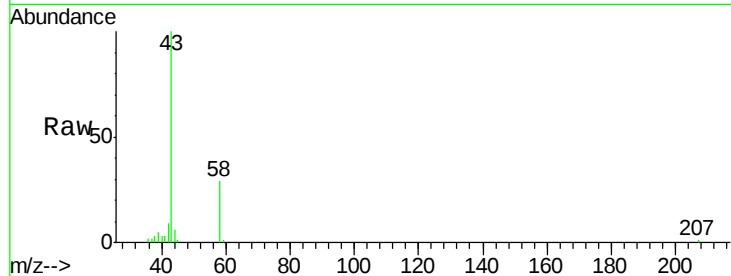
43 344.6 272.6 409.0

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#16

Carbon Disulfide

Concen: 6.125 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN058342.D

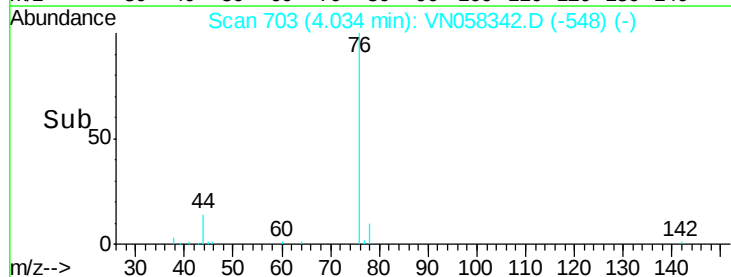
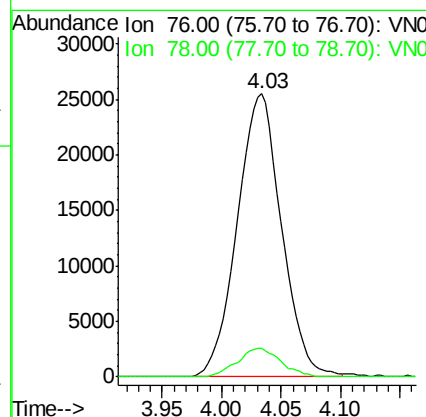
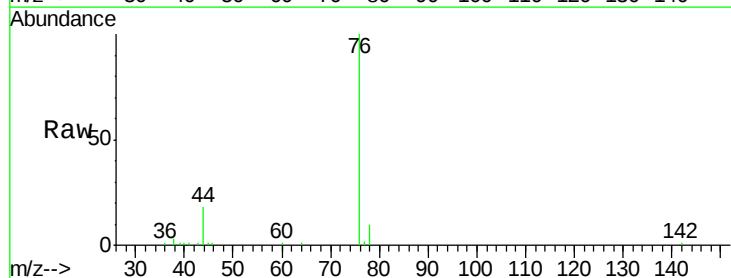
Acq: 24 Sep 2019 12:21

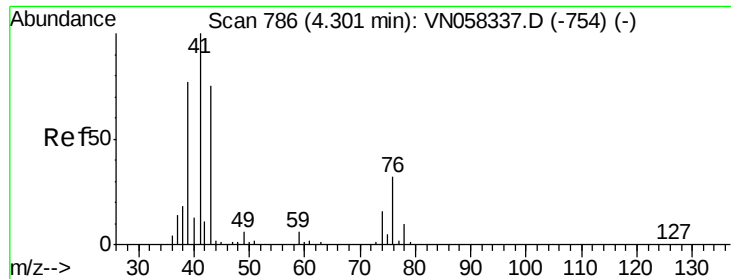
Tgt Ion: 76 Resp: 65792

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2





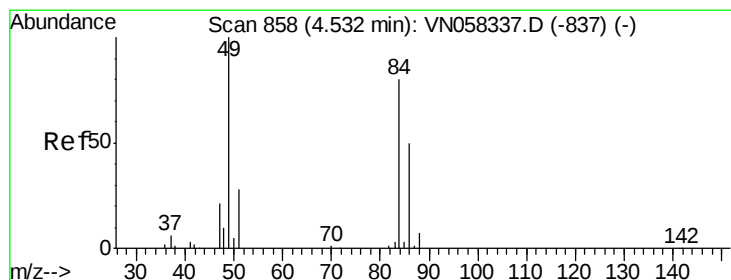
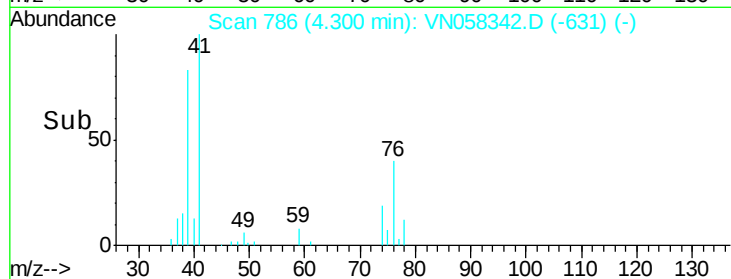
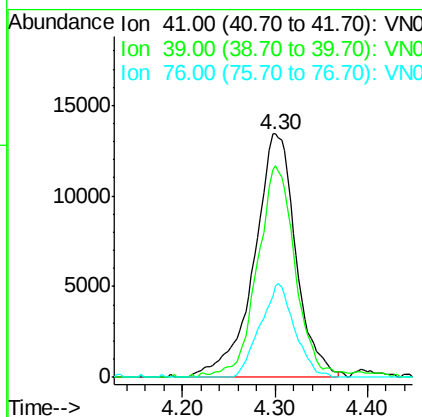
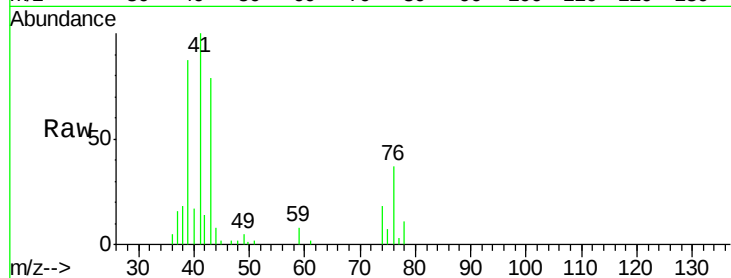
#17
Allvl chloride
Concen: 5.107 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	86.9	38.7	116.1
76	37.3	16.4	49.1

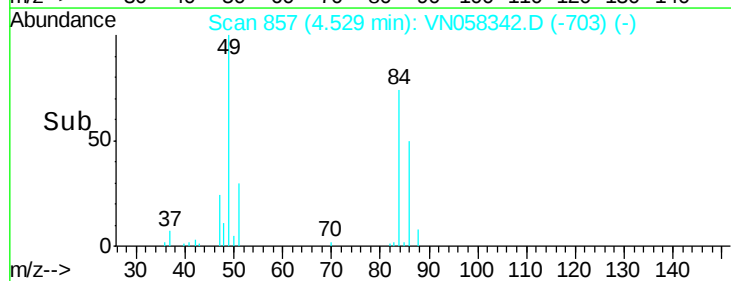
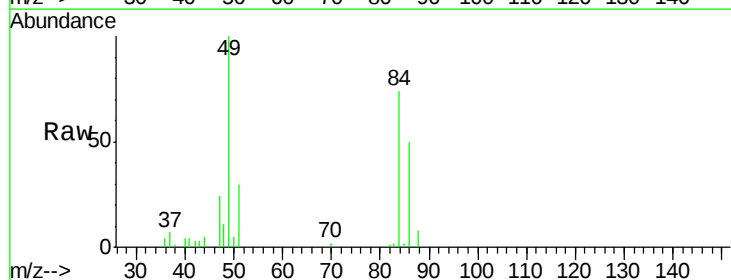
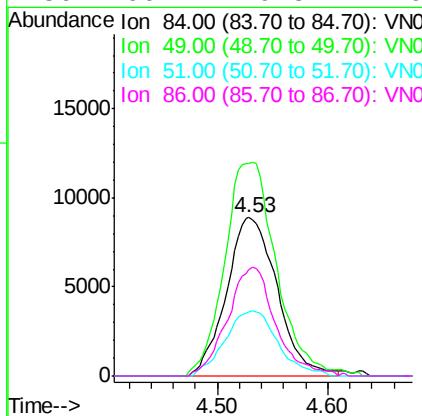
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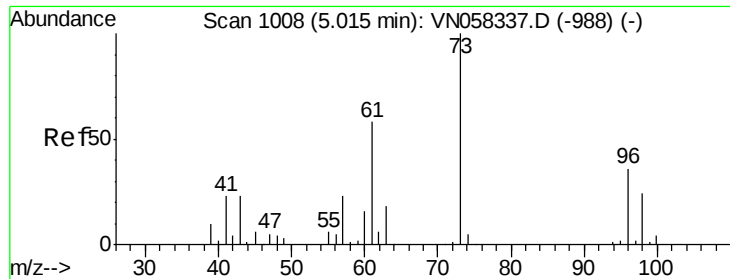
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#18
Methylene Chloride
Concen: 5.089 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.9	99.8	149.6
51	40.6	28.3	42.5
86	66.7	49.8	74.6





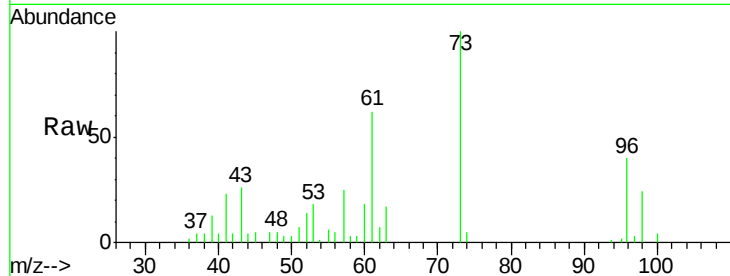
#19
trans-1,2-Dichloroethene
Concen: 5.404 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

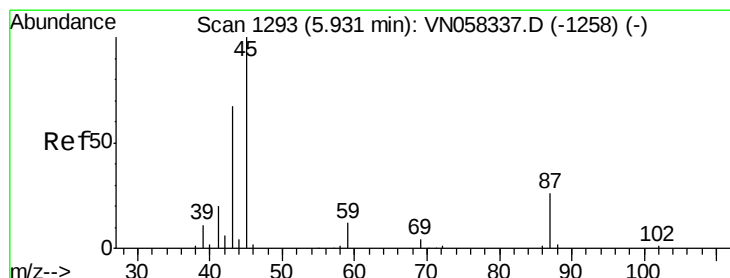
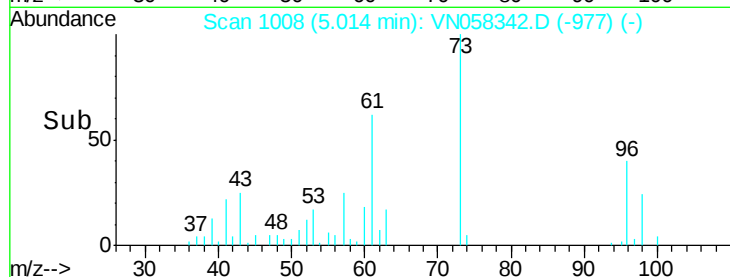
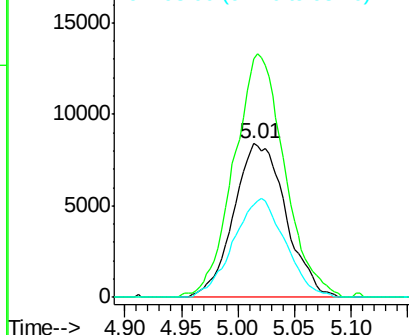
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	128.0	192.0
98	60.2	53.0	79.6

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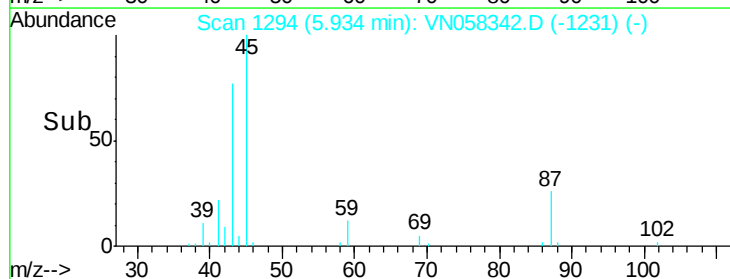
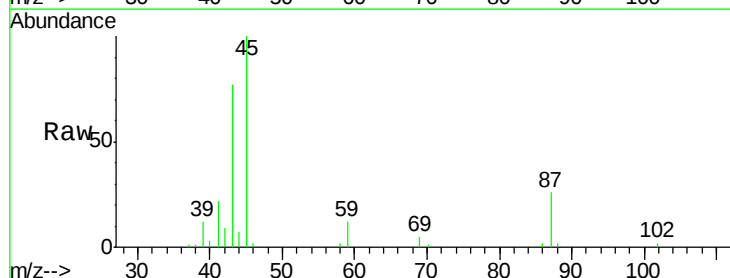
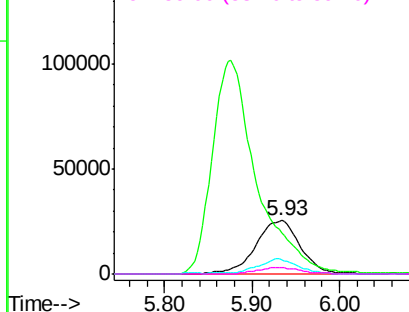
Abundance Ion 96.00 (95.70 to 96.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

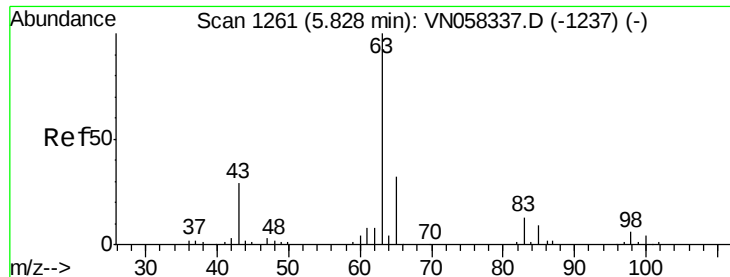


#20
Diisopropyl ether
Concen: 4.754 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.6	54.1	81.1
87	25.1	21.4	32.2
59	12.3	9.3	13.9

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





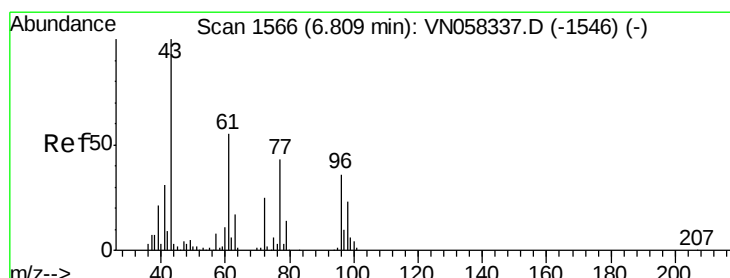
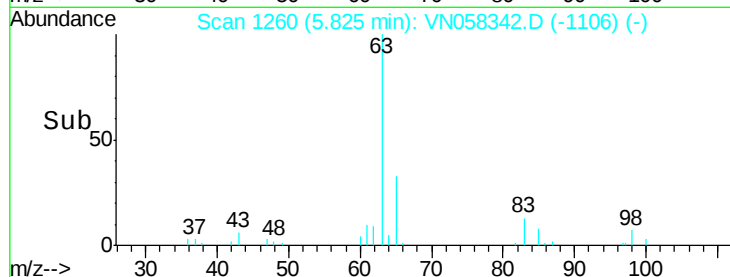
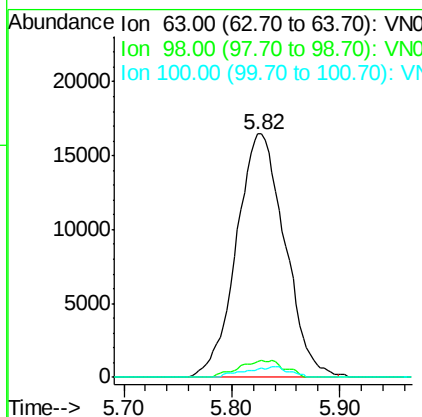
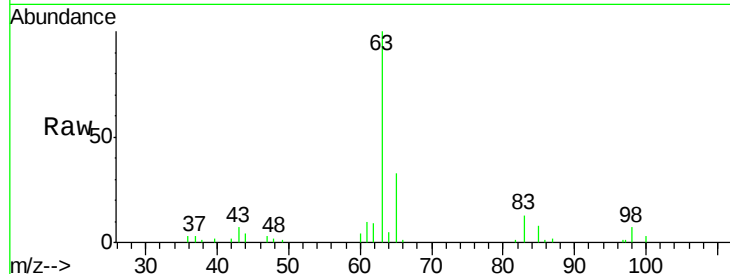
#21
 1,1-Dichloroethane
 Concen: 4.950 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	51400
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.0	9.2
100	3.4	2.1	6.5

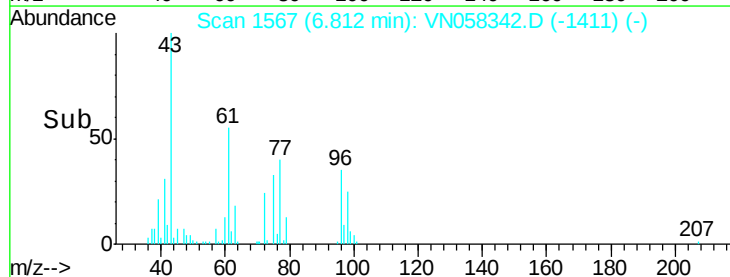
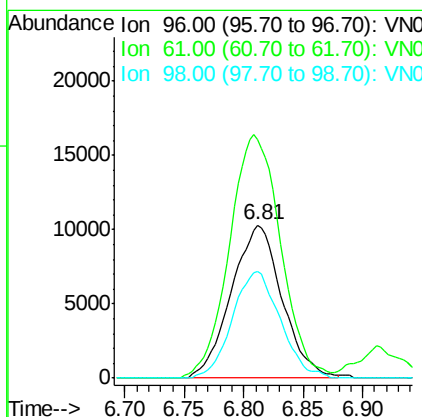
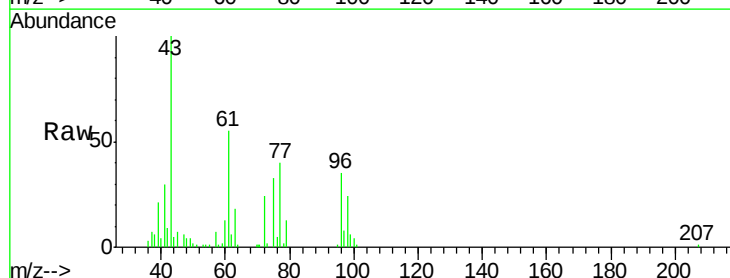
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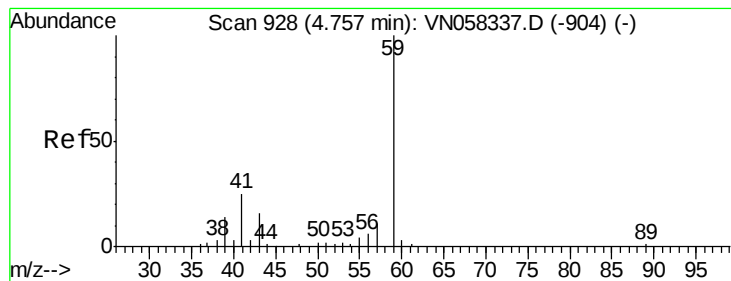
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#22
 cis-1,2-Dichloroethene
 Concen: 5.052 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion:	96	Resp:	30517
Ion	Ratio	Lower	Upper
96	100		
61	160.0	128.2	192.2
98	65.6	50.6	76.0





#23

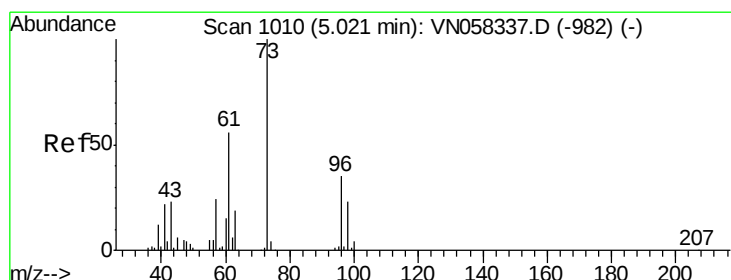
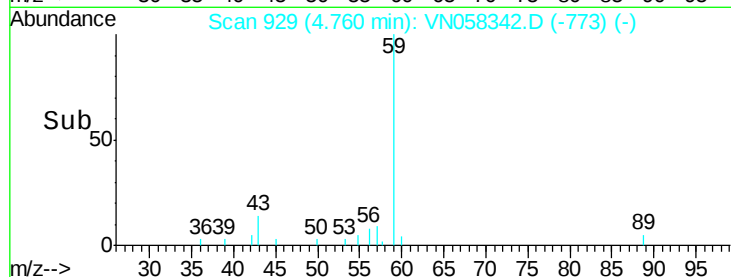
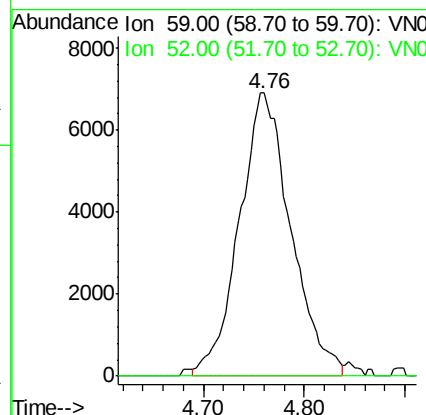
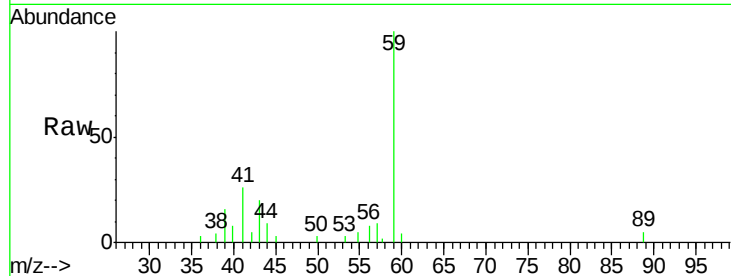
tert-Butyl Alcohol
Concen: 29.844 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

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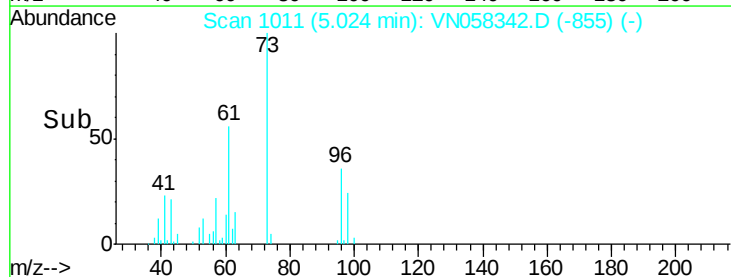
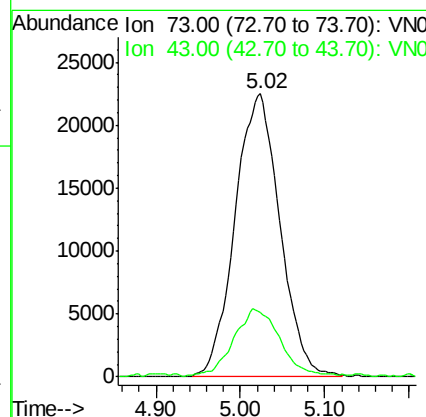
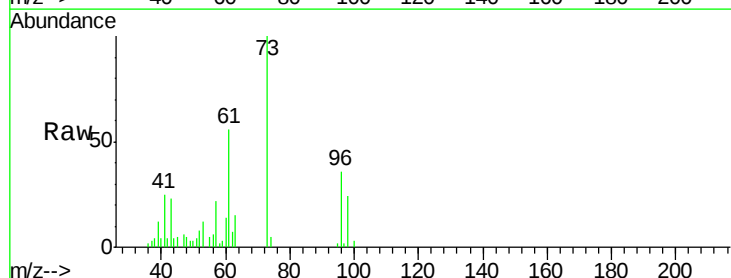
MMDadoda
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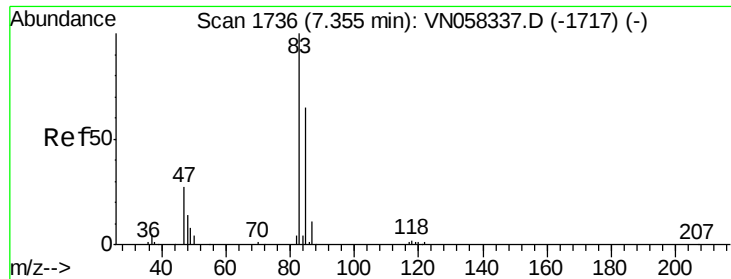


#24

Methyl tert-Butyl Ether
Concen: 4.936 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.8	18.4	27.6





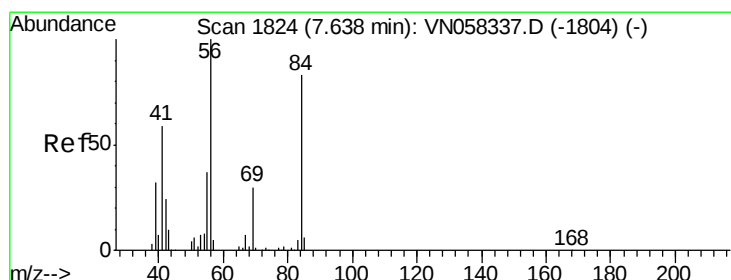
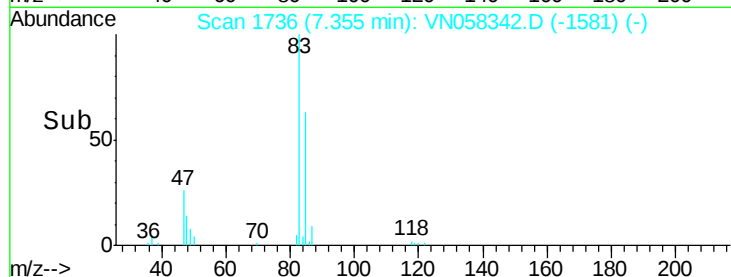
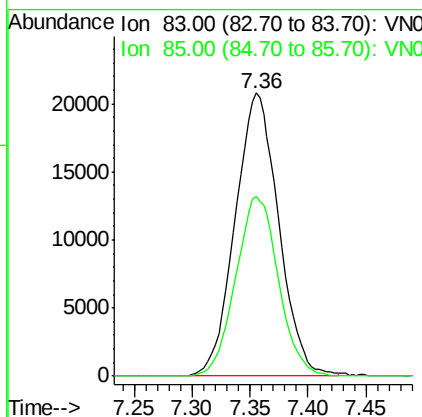
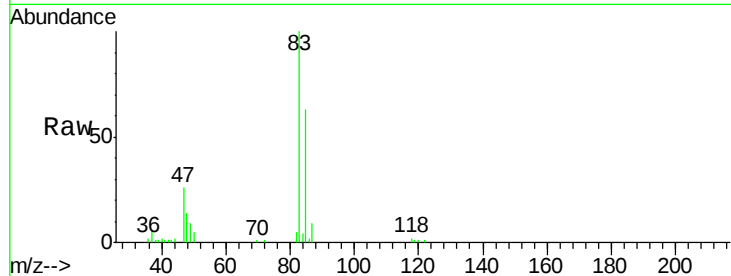
#25
Chloroform
Concen: 5.121 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	54188
Ion Ratio	100	Lower	Upper
85	63.3	51.8	77.6

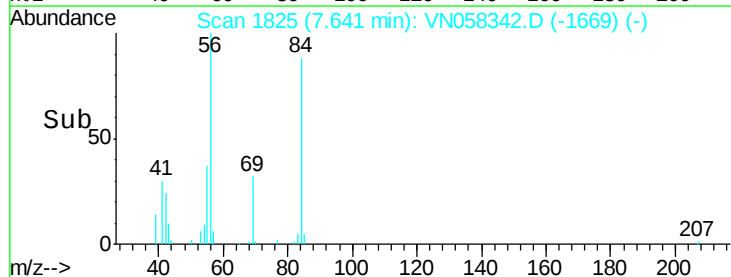
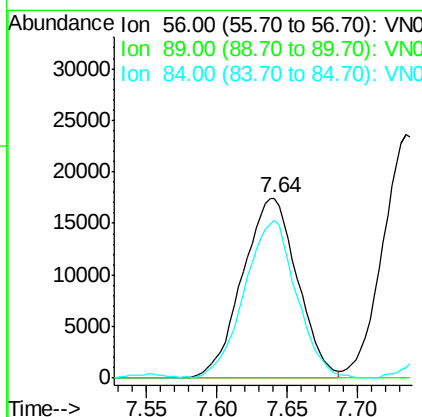
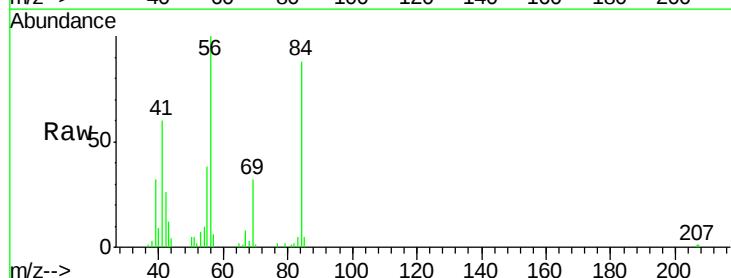
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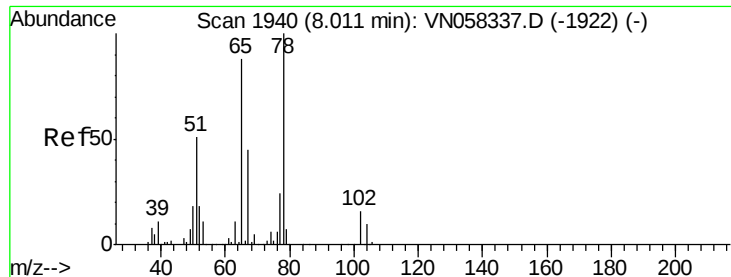
MMDadoda
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#26
Cyclohexane
Concen: 5.305 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	56	Resp	47511
Ion Ratio	100	Lower	Upper
89	0.0	0.1	0.1#
84	82.9	66.9	100.3





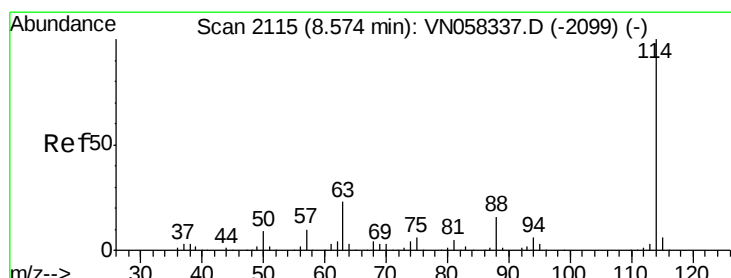
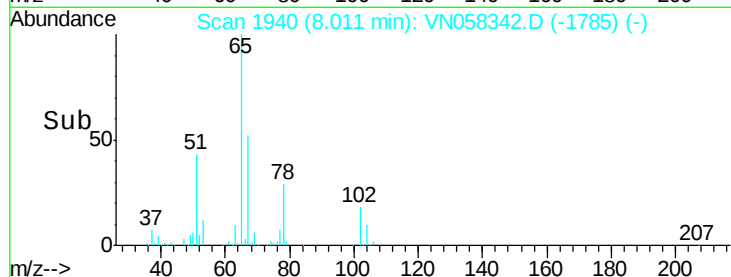
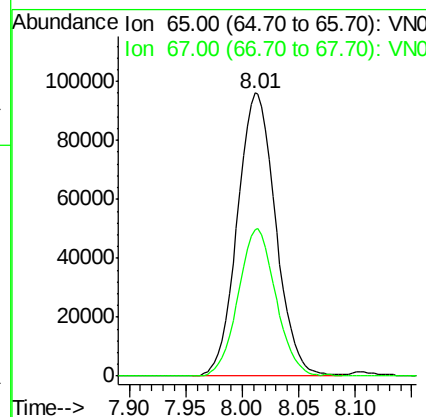
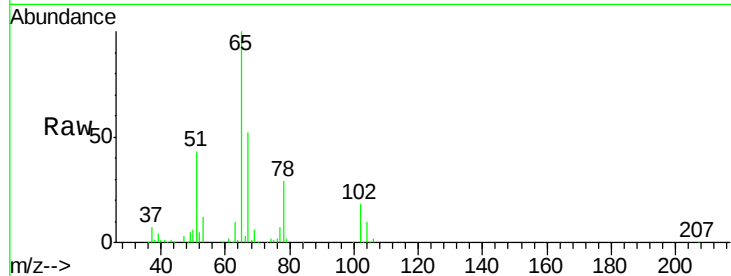
#27
 1,2-Dichloroethane-d4
 Concen: 30.831 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	40.4	60.6

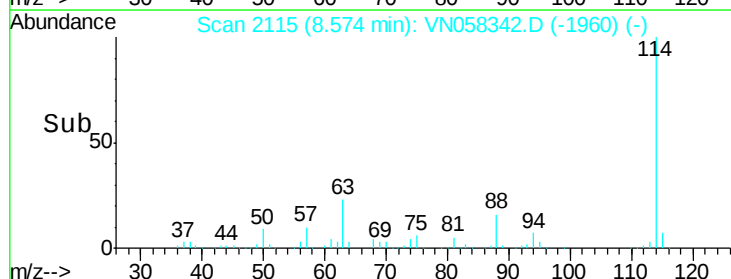
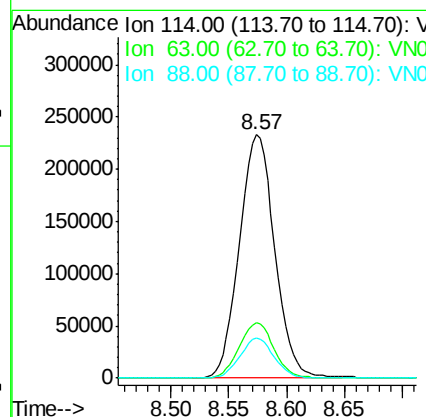
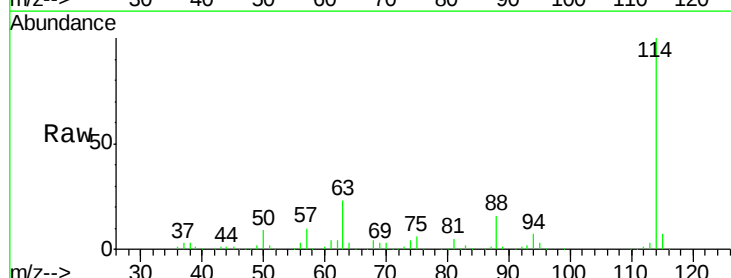
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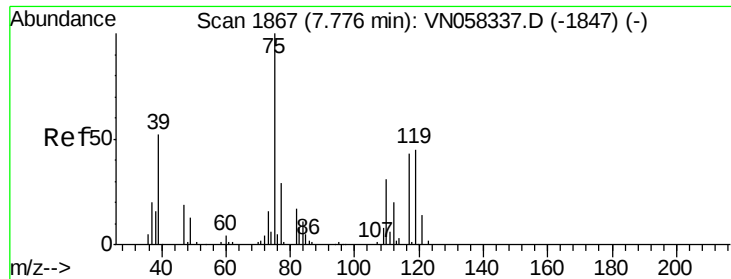
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	17.8	26.8
88	15.9	12.7	19.1





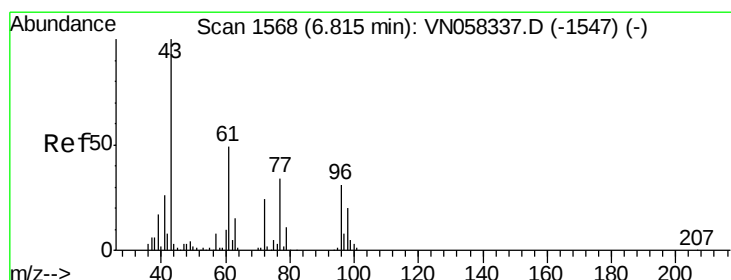
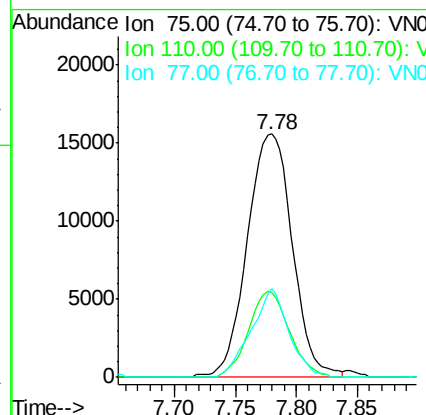
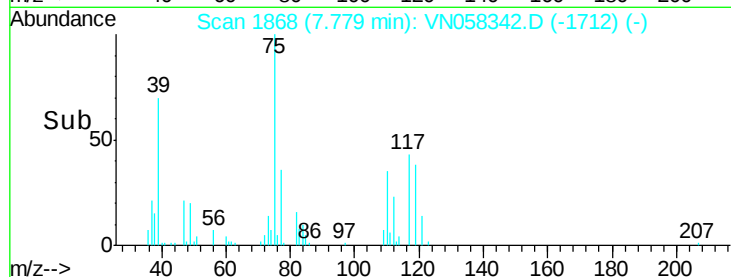
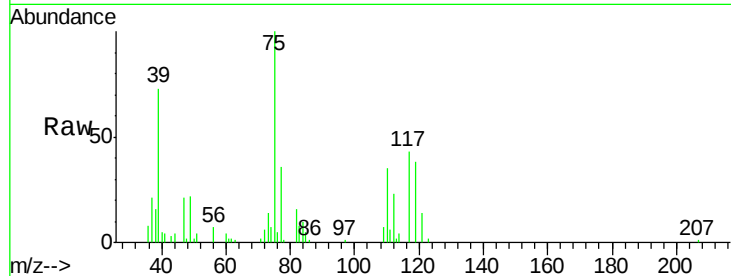
#29
 1,1-Dichloropropene
 Concen: 5.074 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.0	0.0	63.6
77	30.3	0.0	59.4

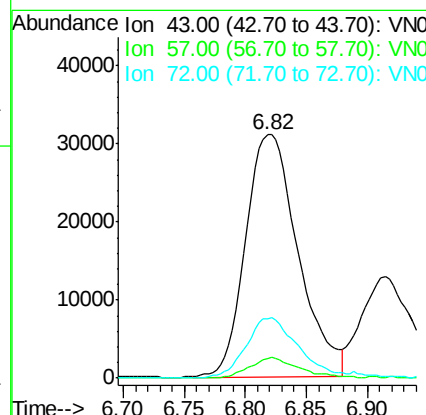
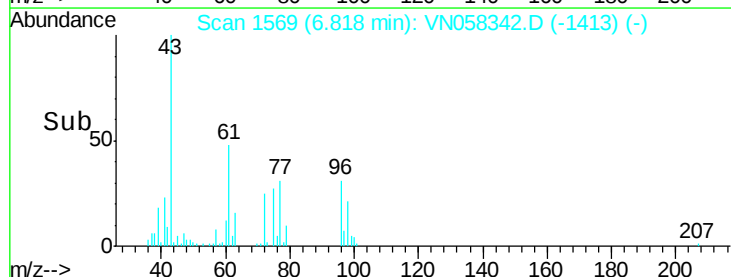
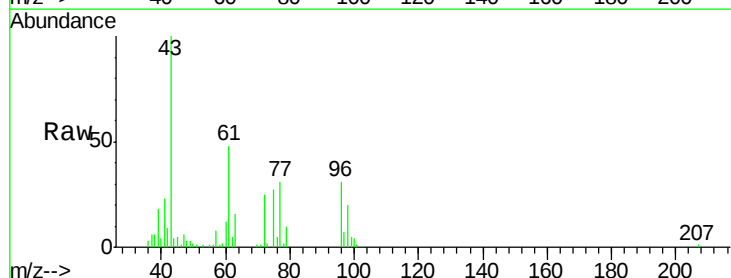
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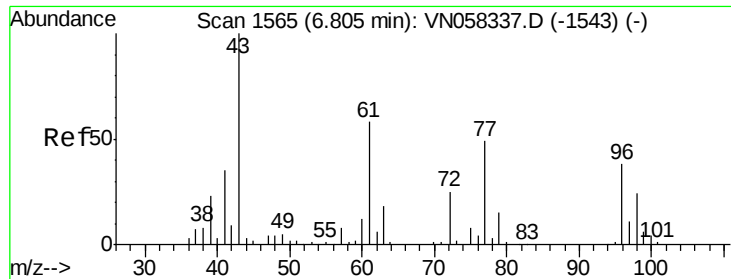
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#30
 2-Butanone
 Concen: 26.338 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.8	6.2	9.4
72	24.7	20.3	30.5





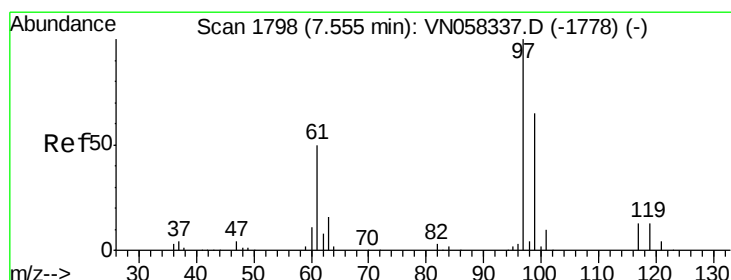
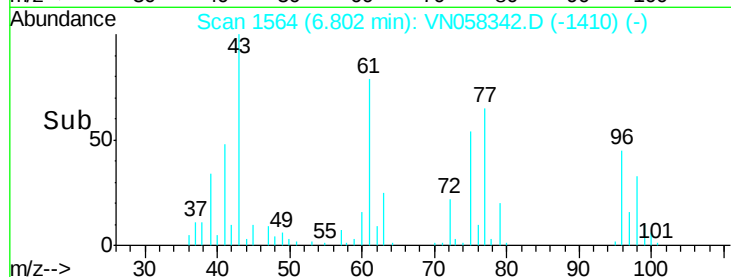
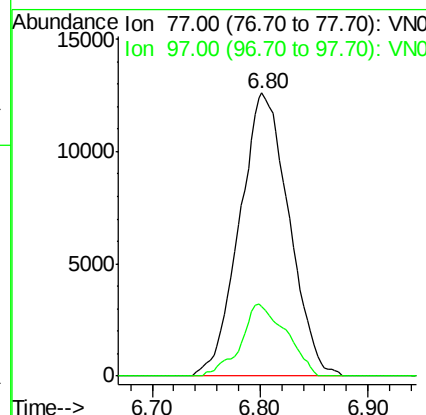
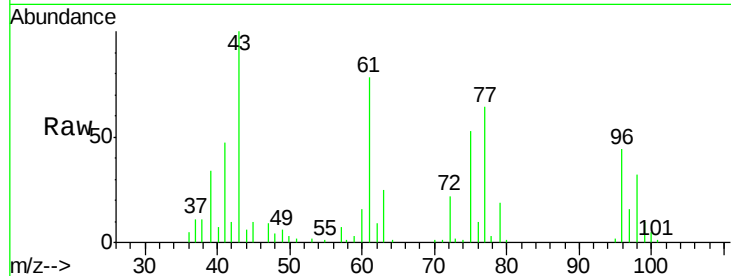
#31
 2,2-Dichloropropane
 Concen: 4.838 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 40129
 Ion Ratio Lower Upper
 77 100
 97 23.3 17.6 26.4

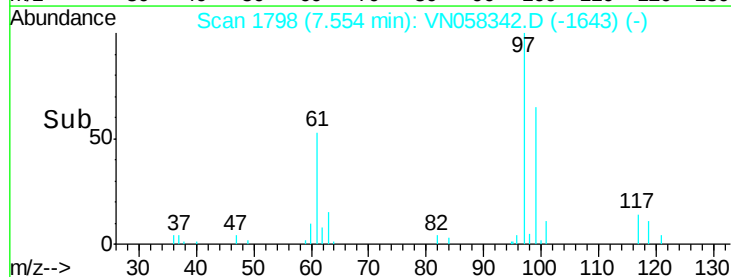
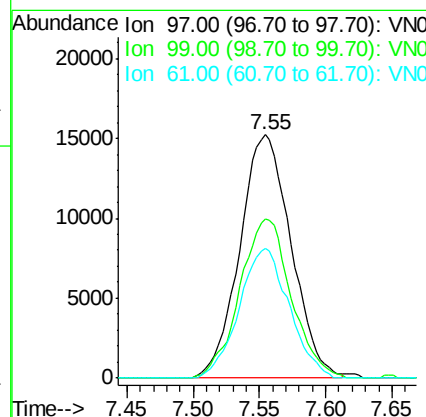
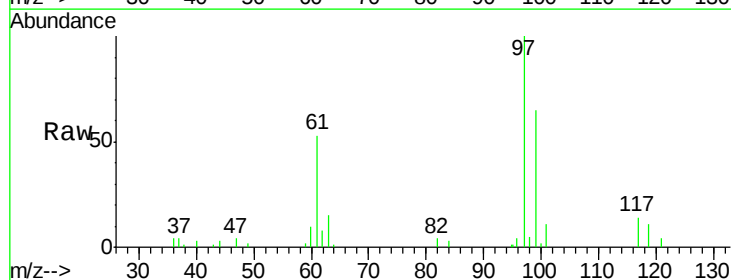
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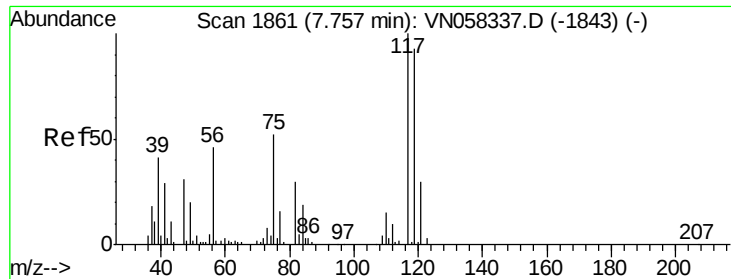
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#32
 1,1,1-Trichloroethane
 Concen: 4.668 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 97 Resp: 40898
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.8 77.6
 61 52.1 39.4 59.2





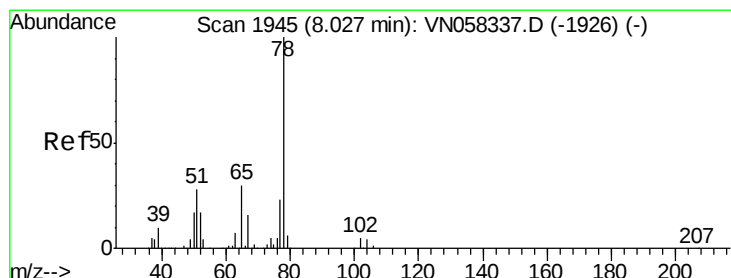
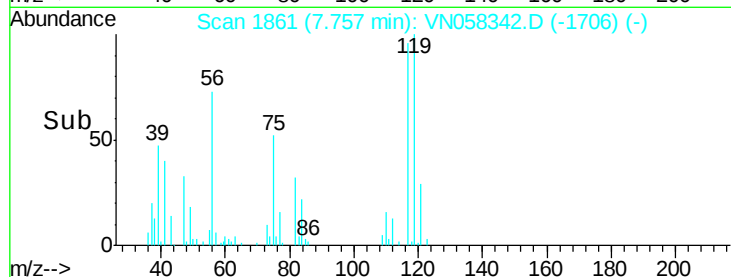
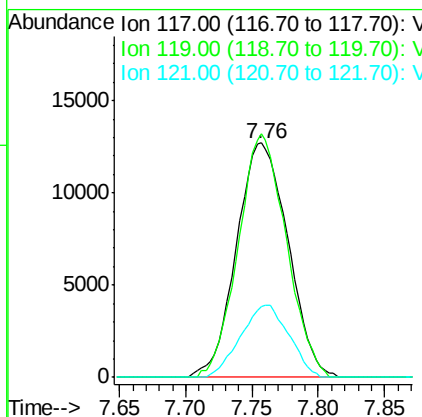
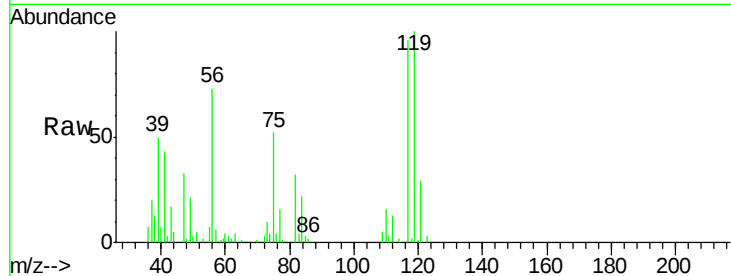
#33
Carbon Tetrachloride
Concen: 4.746 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	103.9	74.2	111.4
121	30.3	23.9	35.9

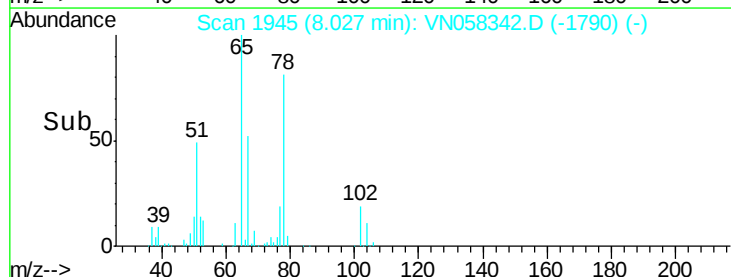
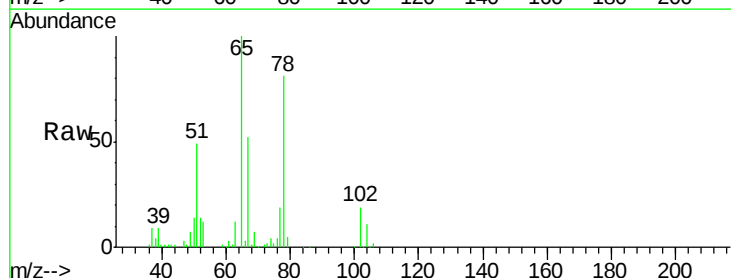
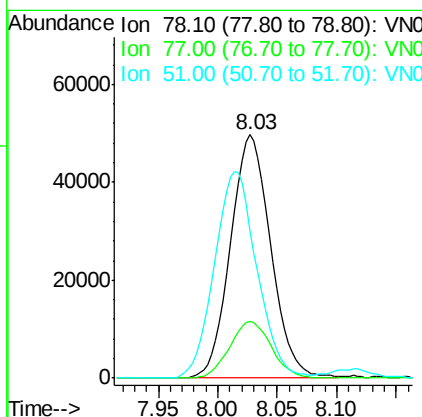
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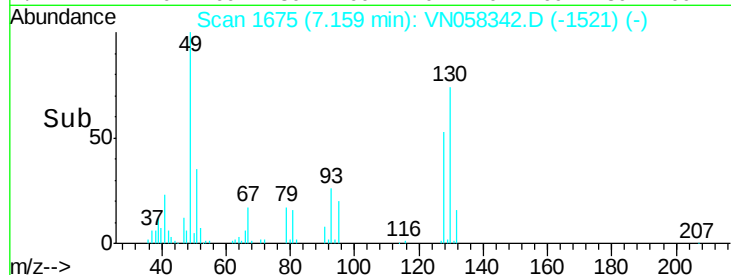
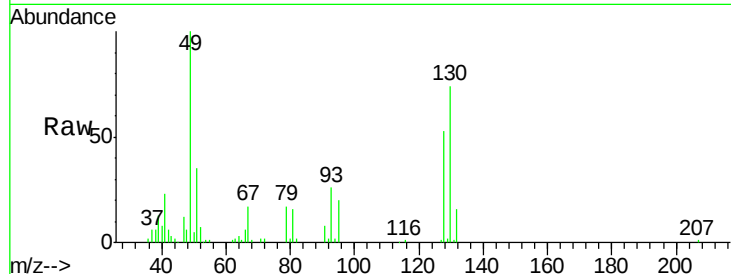
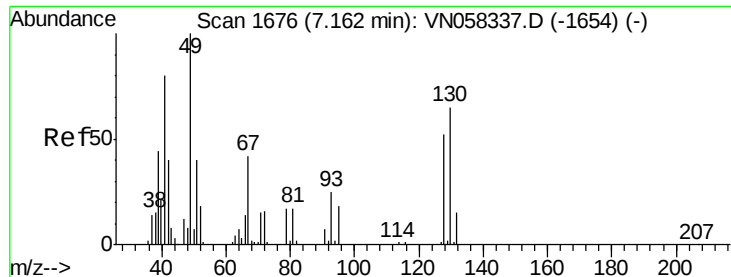
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#34
Benzene
Concen: 5.045 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2
51	57.4	22.4	33.6





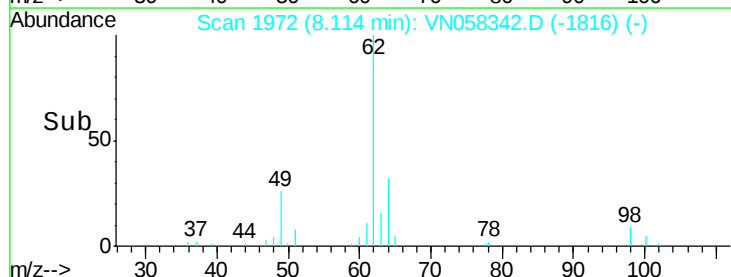
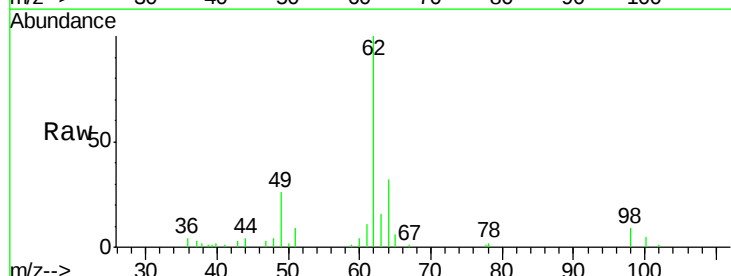
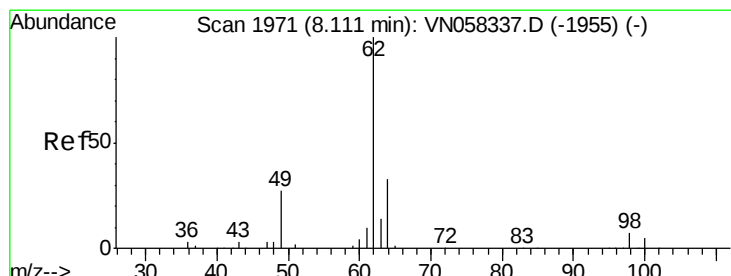
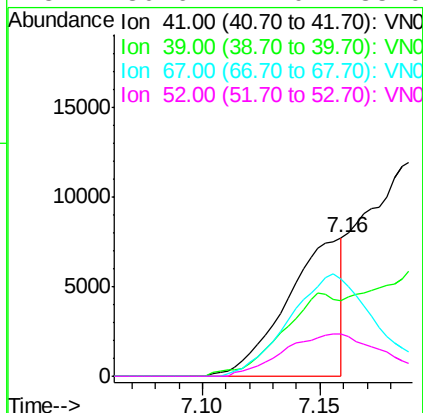
#35
Methacrylonitrile
Concen: 3.804 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tot Ion	41	Resp	12687
Ion	Ratio	Lower	Upper
41	100		
39	55.1	27.3	81.9
67	70.7	26.3	78.9
52	30.6	11.0	33.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

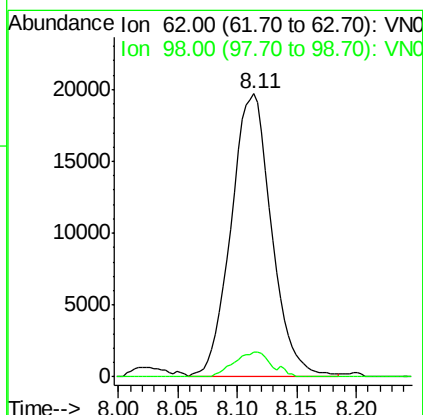
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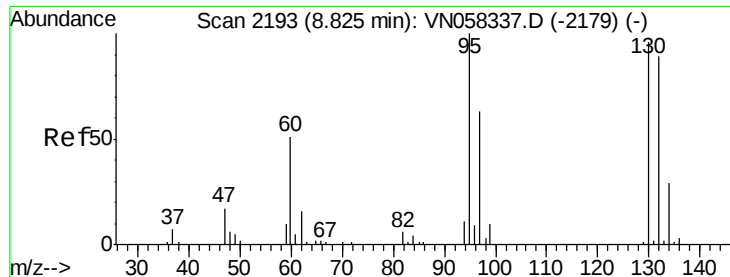
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#36
1,2-Dichloroethane
Concen: 5.194 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	62	Resp	46550
Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.0	9.0





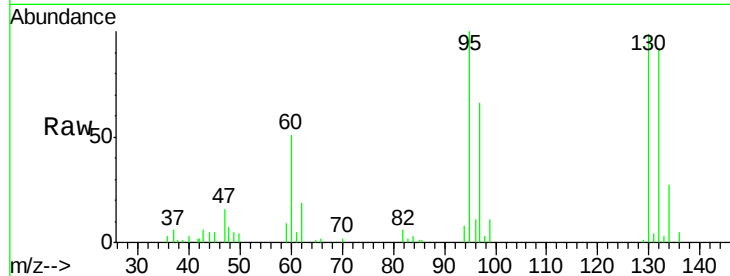
#37
 Trichloroethene
 Concen: 5.178 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

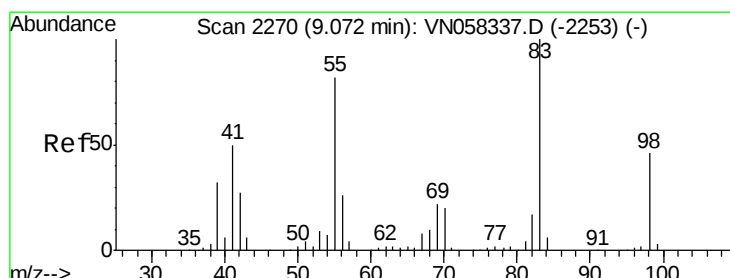
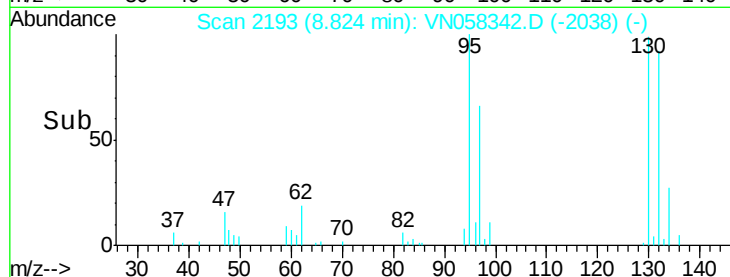
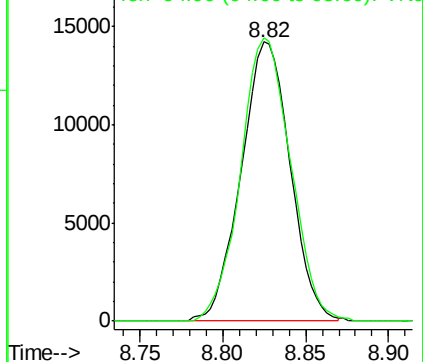
Tot Ion:130 Resp: 29243
 Ion Ratio Lower Upper
 130 100
 95 101.4 83.3 124.9

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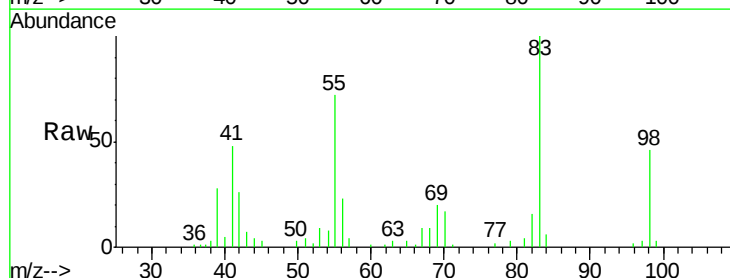


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

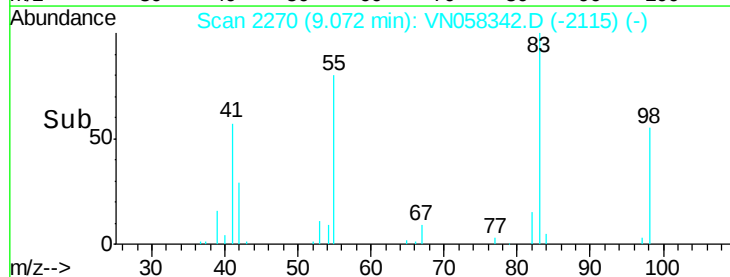
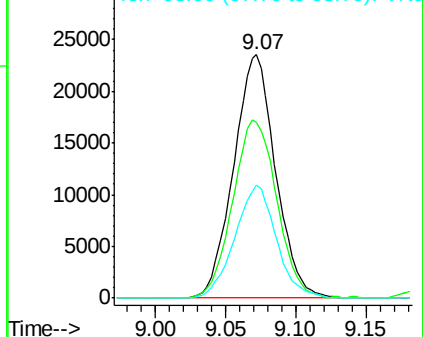


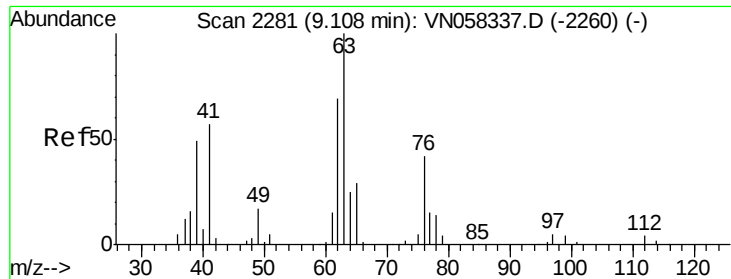
#38
 Methylcyclohexane
 Concen: 5.434 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 83 Resp: 49119
 Ion Ratio Lower Upper
 83 100
 55 76.4 40.5 121.4
 98 45.8 23.1 69.2



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





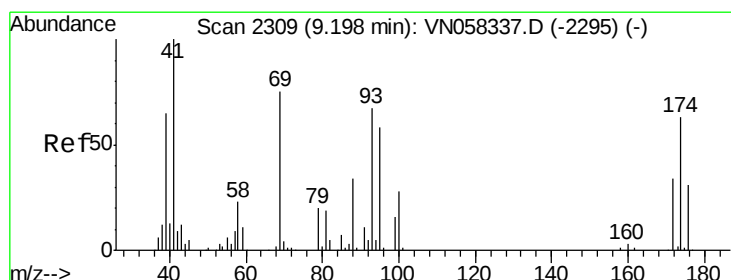
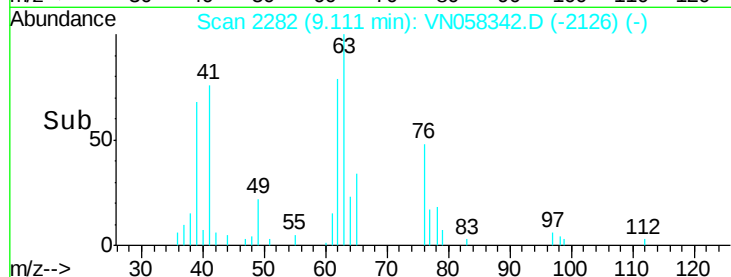
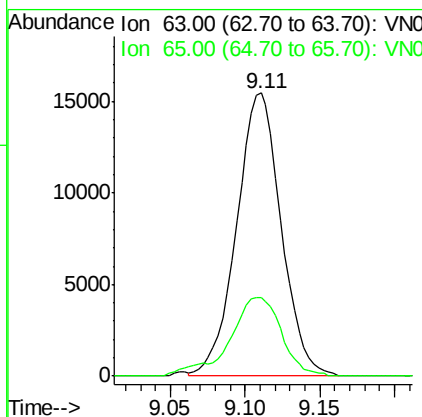
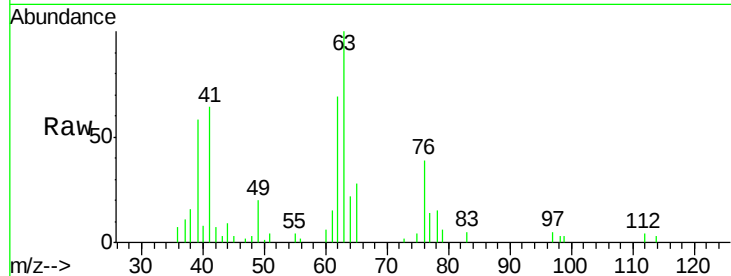
#39
 1,2-Dichloropropane
 Concen: 4.974 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 32057
 Ion Ratio Lower Upper
 63 100
 65 27.6 23.4 35.0

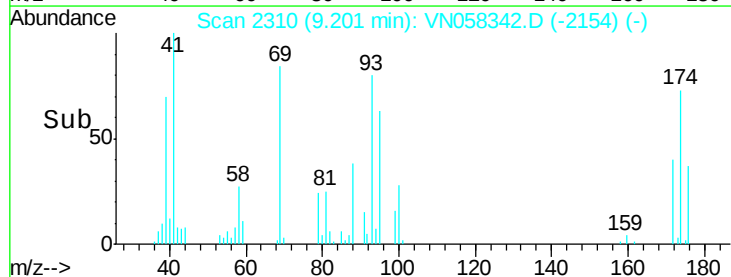
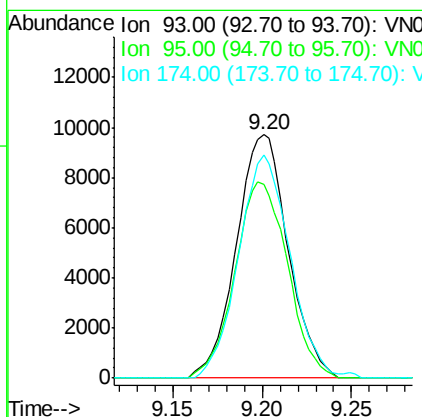
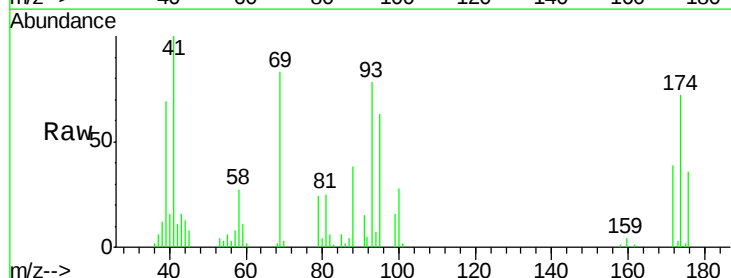
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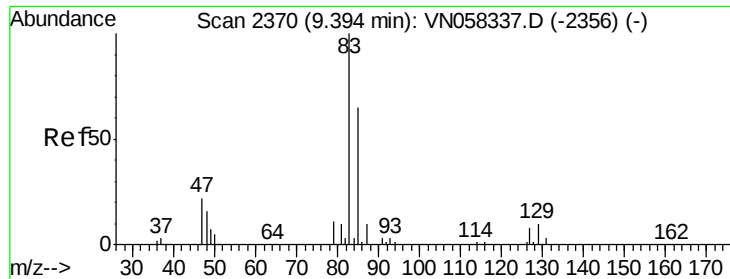
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#40
 Dibromomethane
 Concen: 5.000 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 93 Resp: 19716
 Ion Ratio Lower Upper
 93 100
 95 81.8 0.0 166.8
 174 90.6 0.0 187.2





#41

Bromodichloromethane

Concen: 4.568 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.01 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

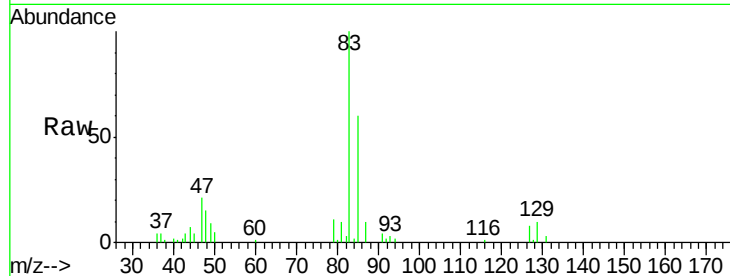
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	36329
Ion Ratio	Lower	Upper	
83	100		
85	60.2	52.0	78.0
127	7.6	6.1	9.1

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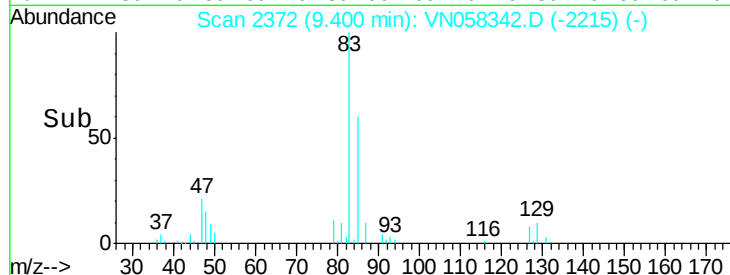


Abundance Ion 83.00 (82.70 to 83.70): VN058337.D (-2356) (-)

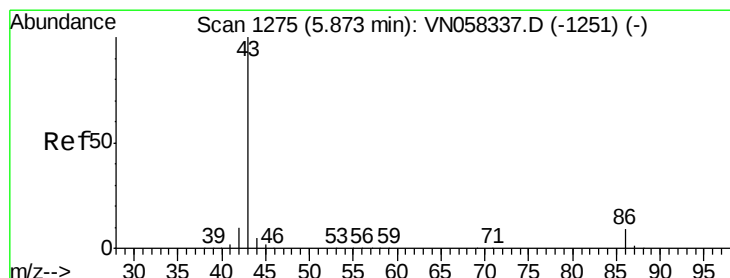
Ion 85.00 (84.70 to 85.70): VN058337.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN058337.D (-2356) (-)

Time-->



Time-->



#42

Vinyl Acetate

Concen: 25.211 ug/l

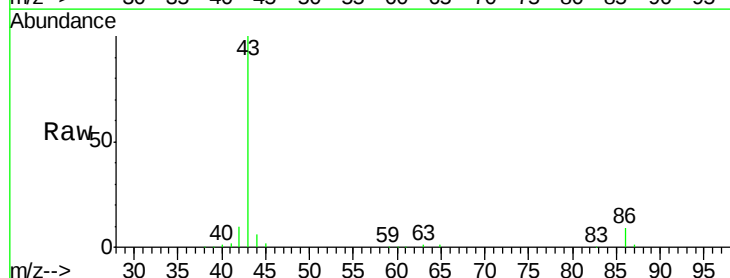
RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

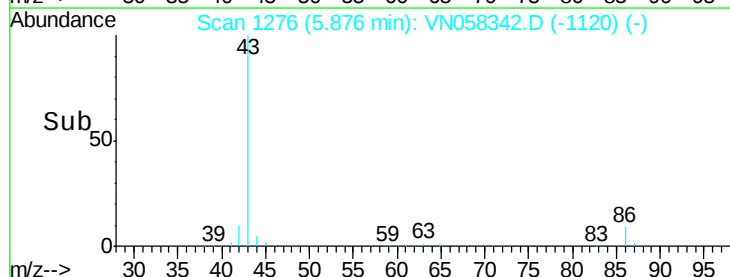
Tgt Ion:	43	Resp:	357069
Ion Ratio	Lower	Upper	
43	100		
86	7.8	6.6	9.8



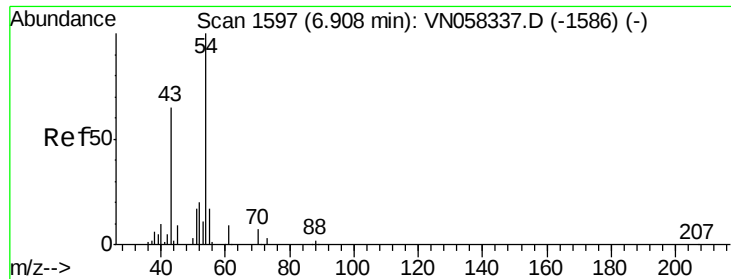
Abundance Ion 43.00 (42.70 to 43.70): VN058337.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN058337.D (-1251) (-)

Time-->



Time-->



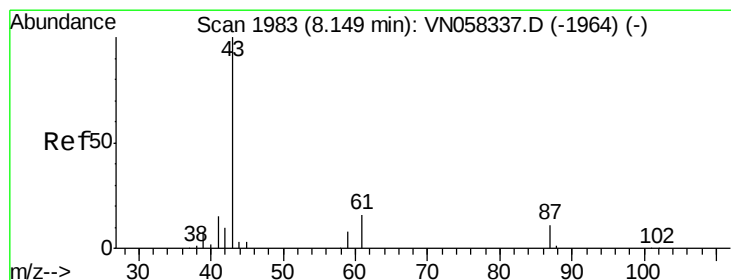
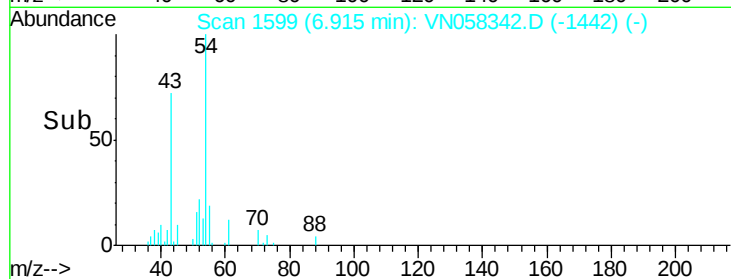
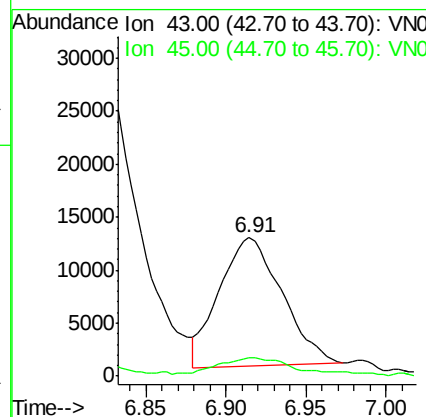
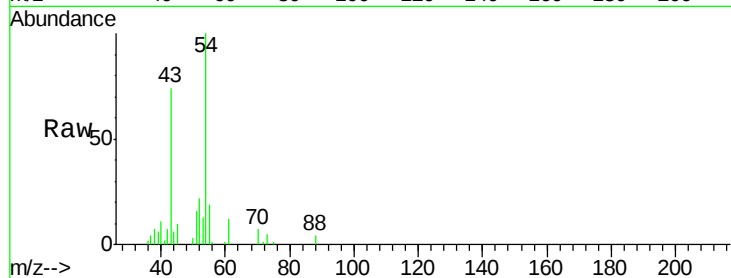
#43
Ethyl Acetate
Concen: 4.591 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	45	Ratio	Lower	Upper
32813	100	8.0		9.8	14.6

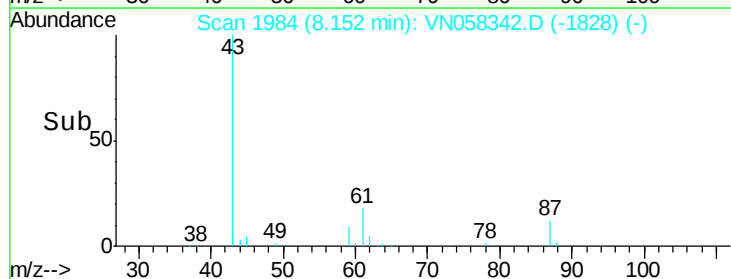
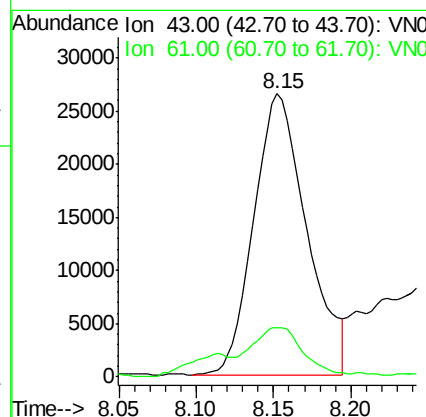
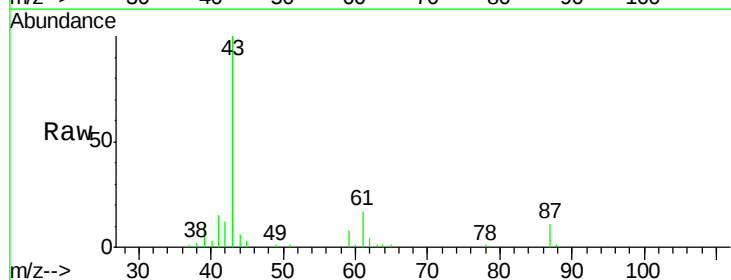
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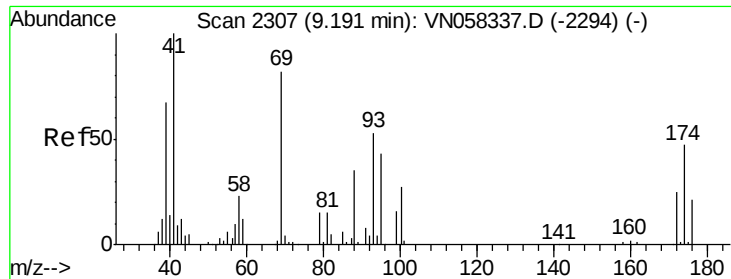
MMDadoda
9/25/2019 8:23:59 AM



#44
Isopropyl Acetate
Concen: 4.962 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	43	61	Ratio	Lower	Upper
62918	100	15.1		14.4	21.6





#45

1,4-Dioxane

Concen: 114.400 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

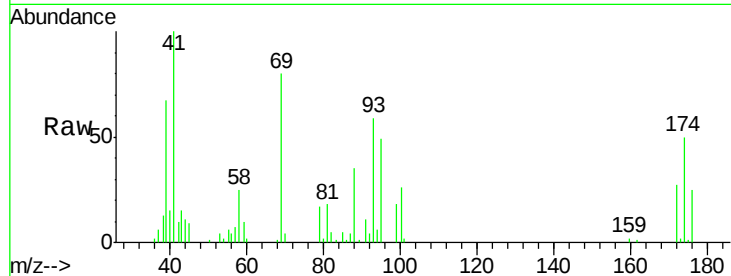
ClientSampleId :

VSTDIC005

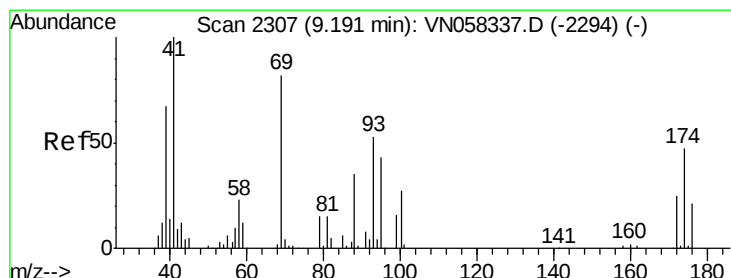
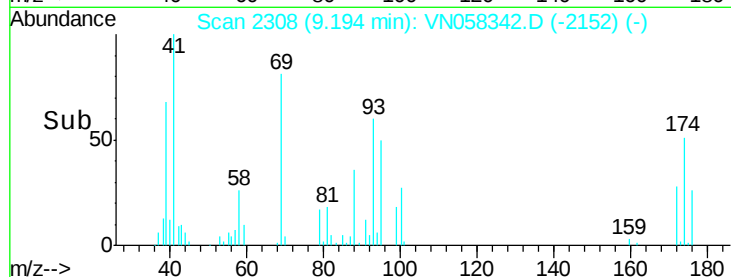
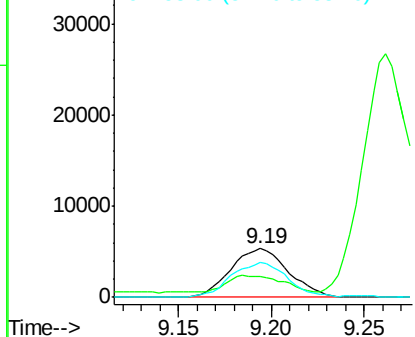
Tot Ion:	88	Resp:	11600
Ion	Ratio	Lower	Upper
88	100		
43	31.2	27.2	40.8
58	70.3	55.4	83.0

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Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#46

Methyl methacrylate

Concen: 4.873 ug/l

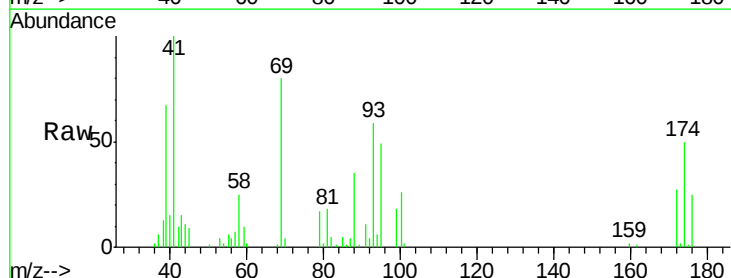
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

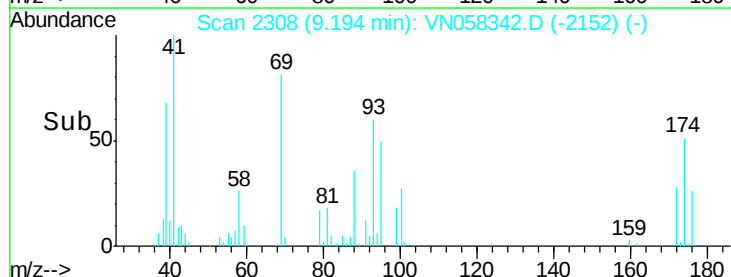
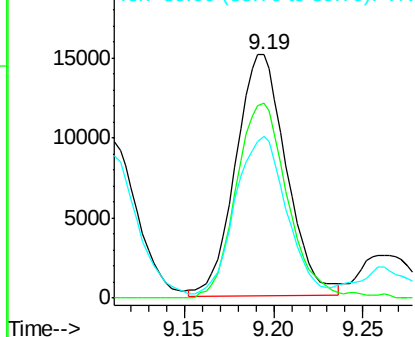
Lab File: VN058342.D

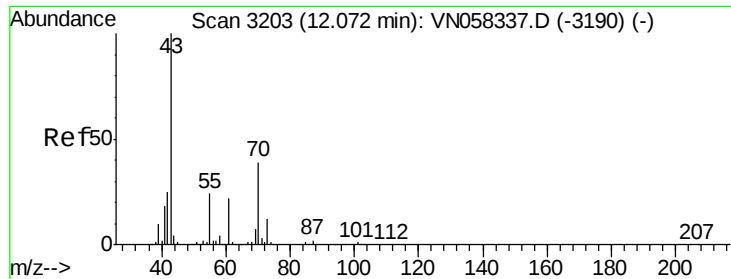
Acq: 24 Sep 2019 12:21

Tgt Ion:	41	Resp:	29872
Ion	Ratio	Lower	Upper
41	100		
69	82.9	40.9	122.7
39	66.8	33.6	100.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





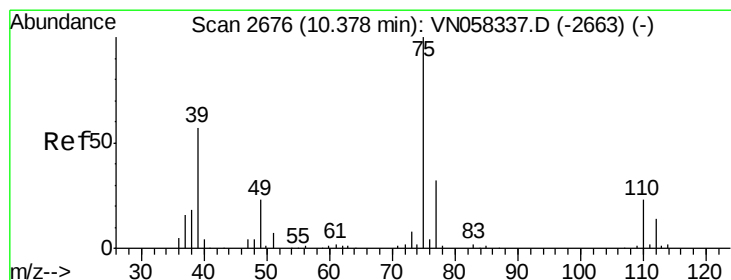
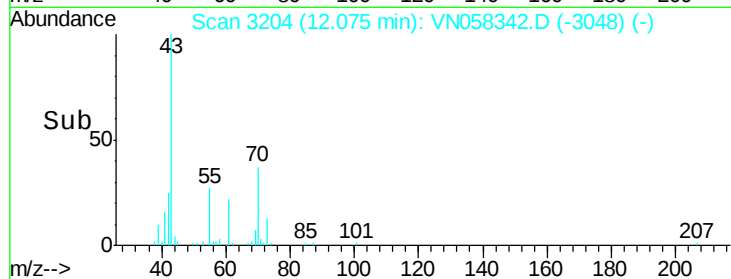
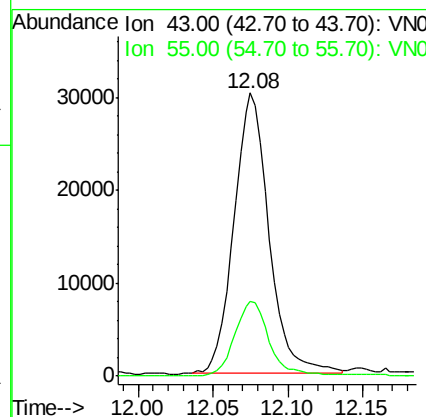
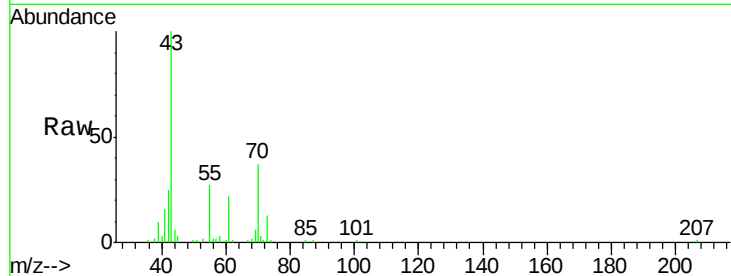
#47
n-amvl Acetate
Concen: 4.292 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	49315
Ion Ratio	100	Lower	Upper
43	100	19.0	28.4
55	26.1		

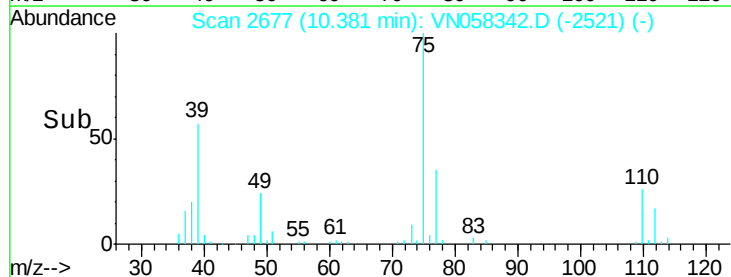
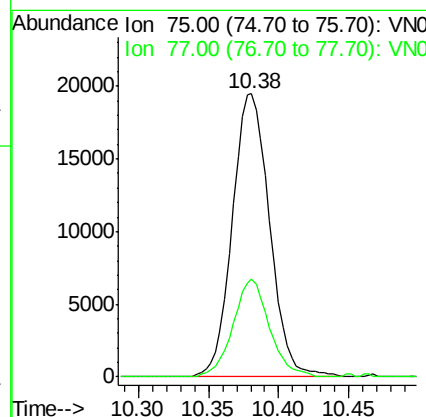
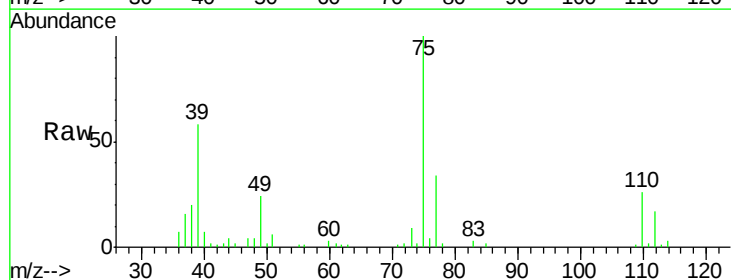
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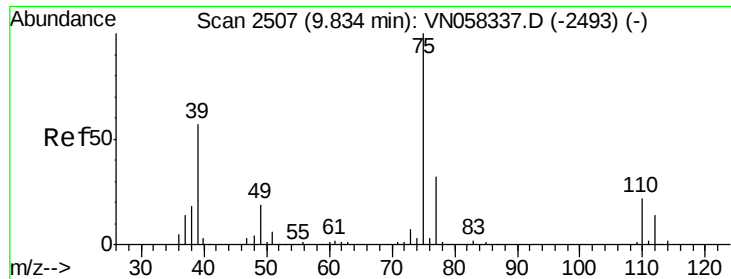
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	75	Resp	36141
Ion Ratio	100	Lower	Upper
75	100	25.4	38.0
77	34.4		





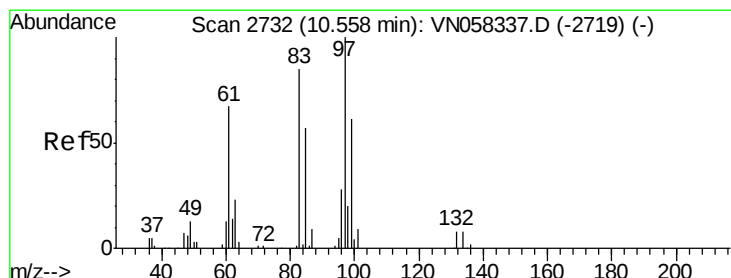
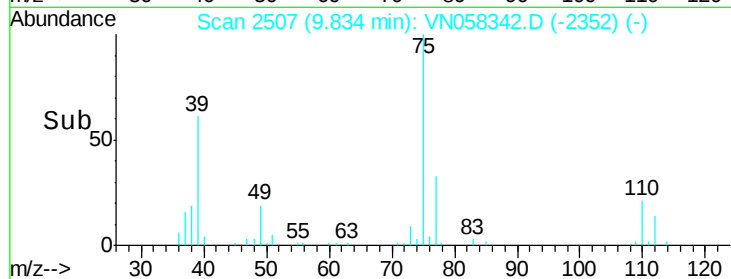
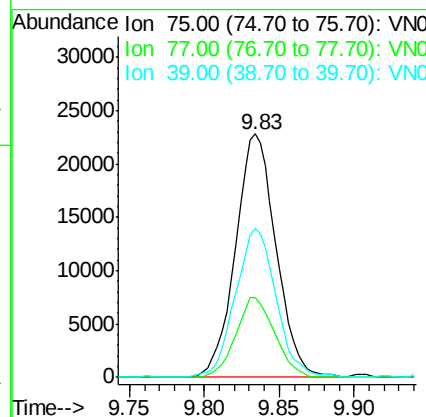
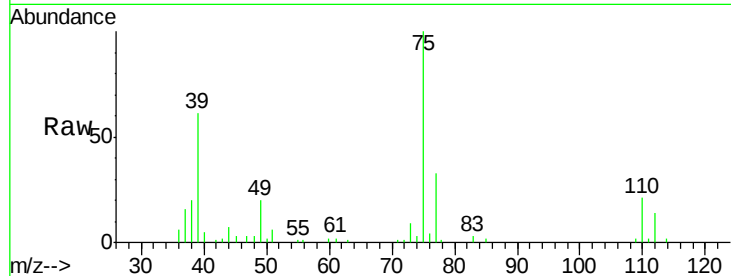
#49
 cis-1,3-Dichloropropene
 Concen: 4.492 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	42995
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.2	37.8
39	61.3	45.8	68.6

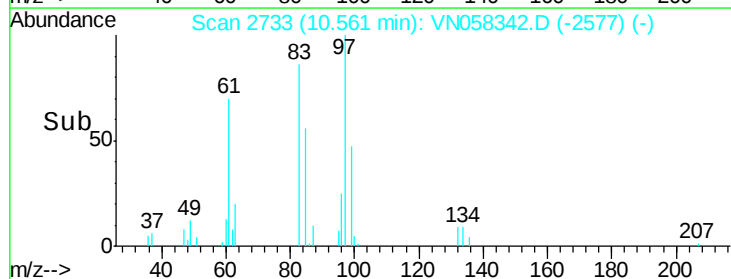
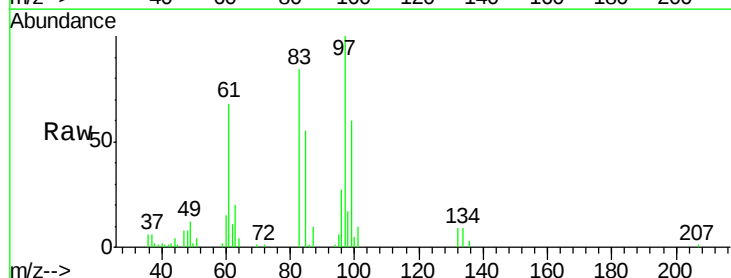
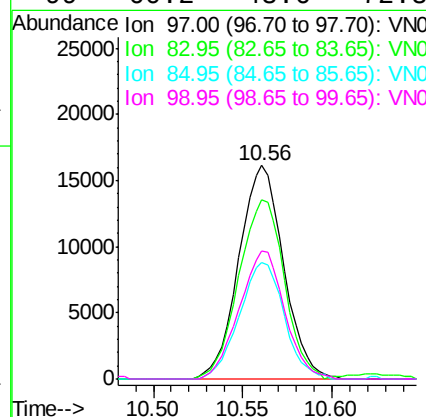
Manual Integrations
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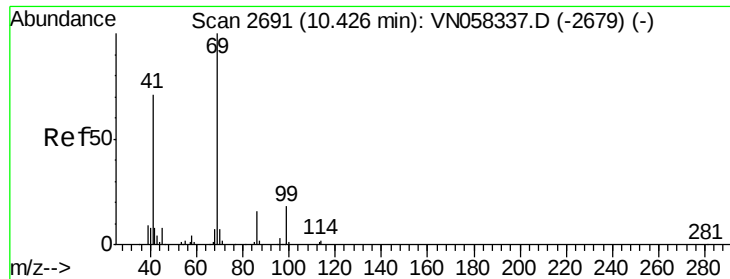
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#50
 1,1,2-Trichloroethane
 Concen: 4.958 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion:	97	Resp:	28193
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.8	101.6
85	54.8	45.8	68.6
99	60.2	48.6	72.8





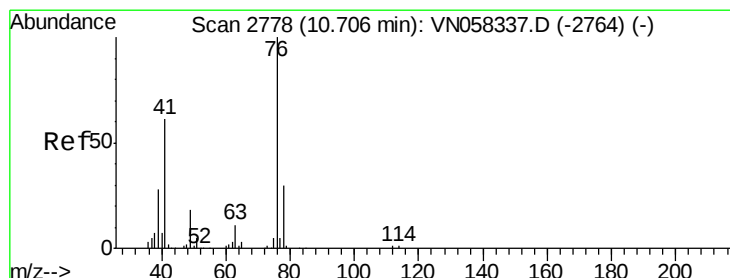
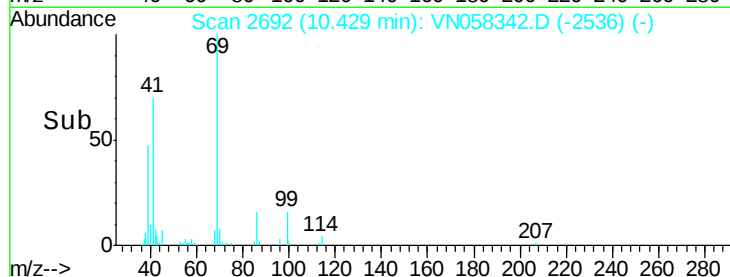
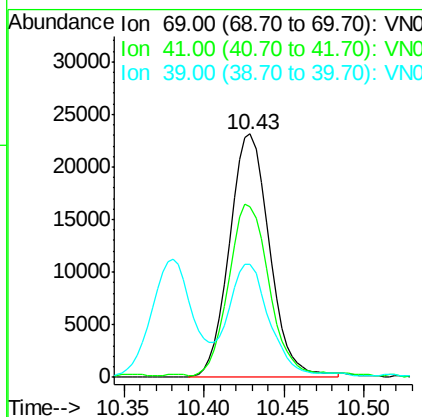
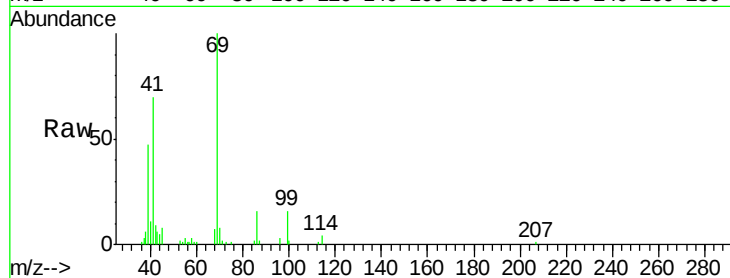
#51
 Ethyl methacrylate
 Concen: 4.479 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
69	100		
41	69.4	35.4	106.1
39	45.1	23.5	70.5

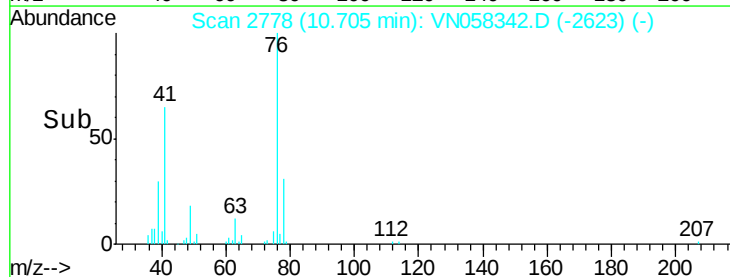
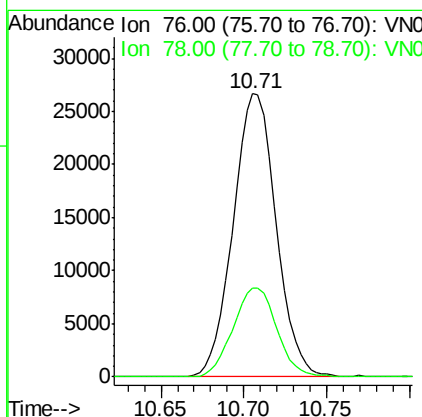
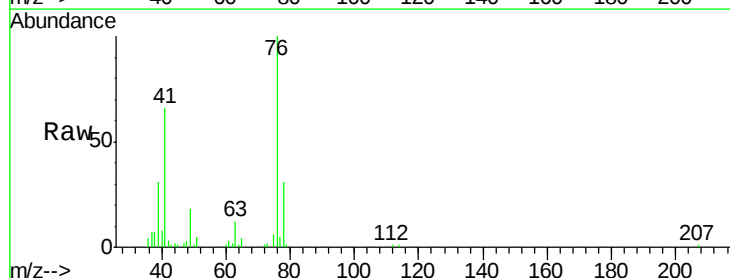
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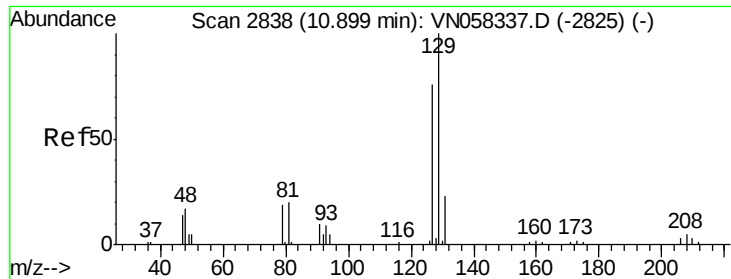
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#52
 1,3-Dichloropropane
 Concen: 4.812 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.0





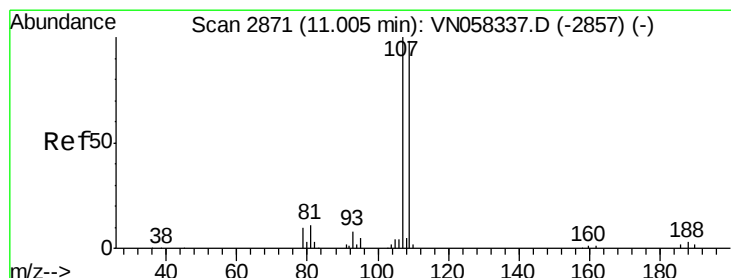
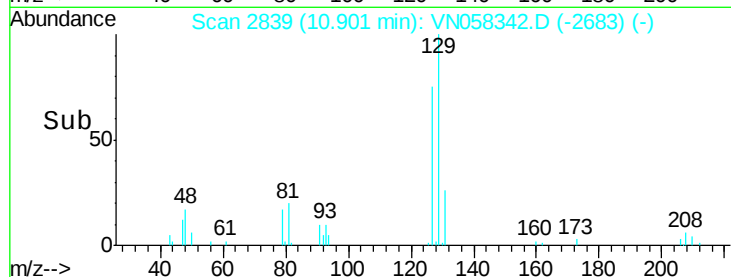
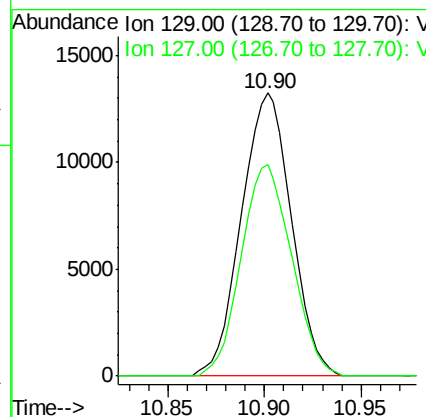
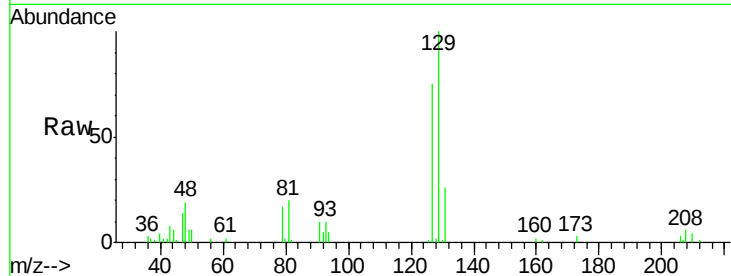
#53
 Dibromochloromethane
 Concen: 4.198 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.4	115.2

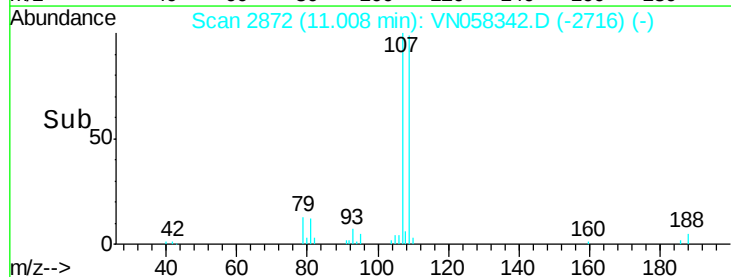
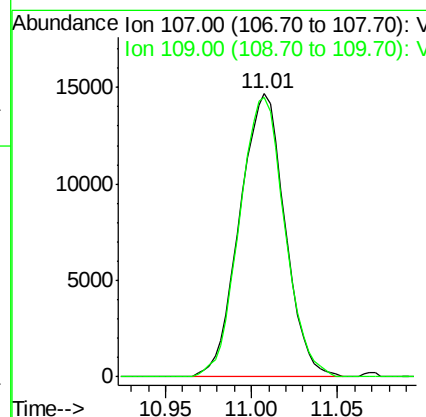
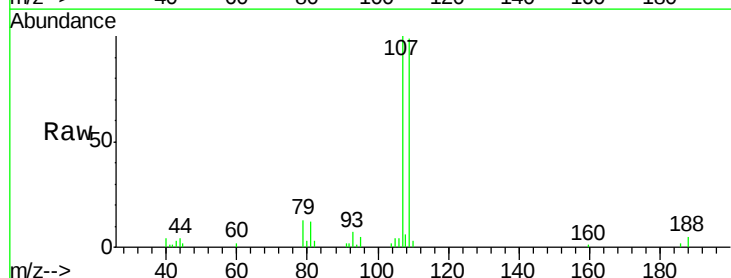
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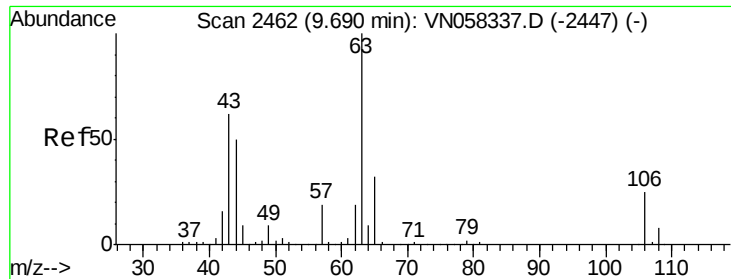
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#54
 1,2-Dibromoethane
 Concen: 4.698 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
107	100		
109	98.9	76.5	114.7





#55

2-Chloroethyl vinyl ether

Concen: 20.676 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 84231

Ion Ratio Lower Upper

63 100

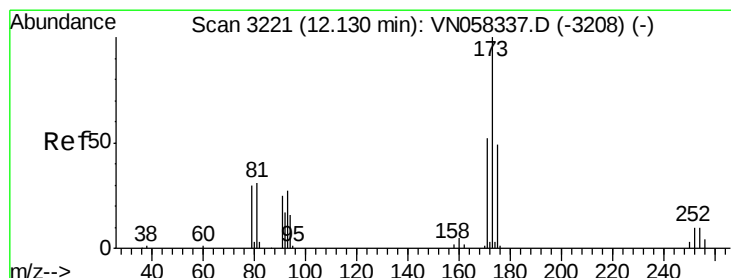
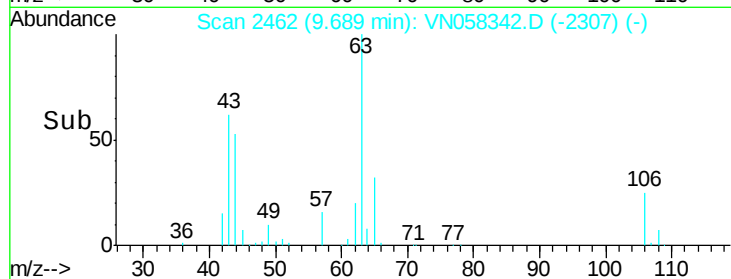
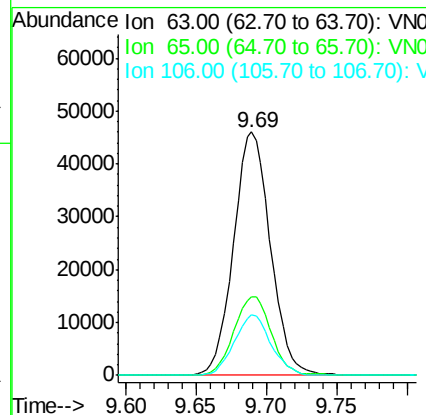
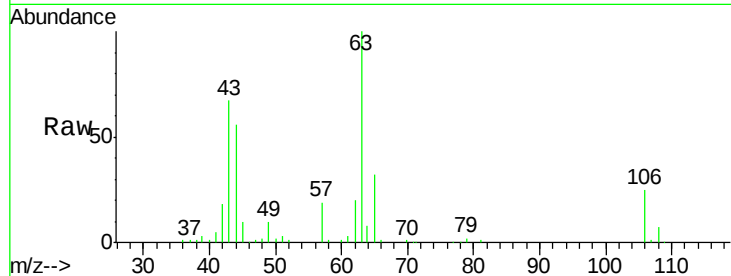
65 32.5 25.4 38.2

106 24.6 20.4 30.6

Manual Integrations
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#56

Bromoform

Concen: 3.879 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

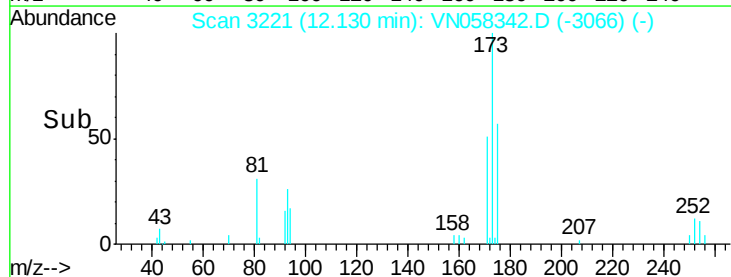
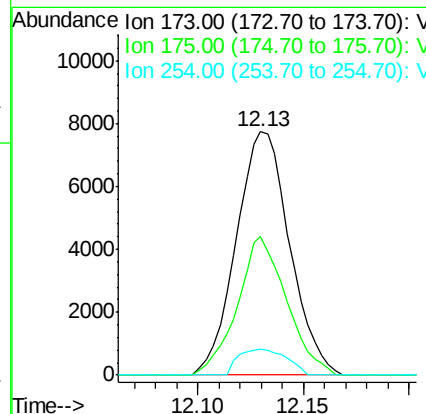
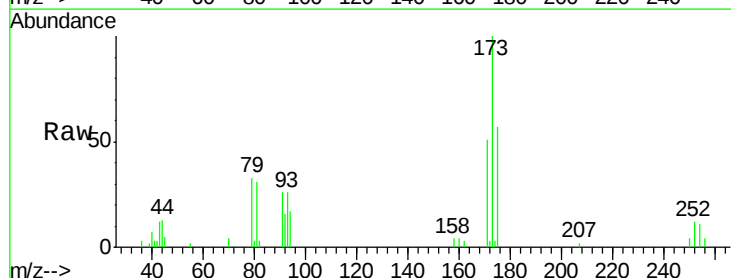
Tgt Ion: 173 Resp: 13639

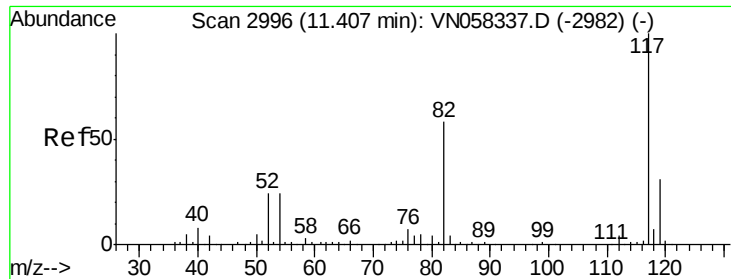
Ion Ratio Lower Upper

173 100

175 52.4 38.8 58.2

254 9.6 7.8 11.8





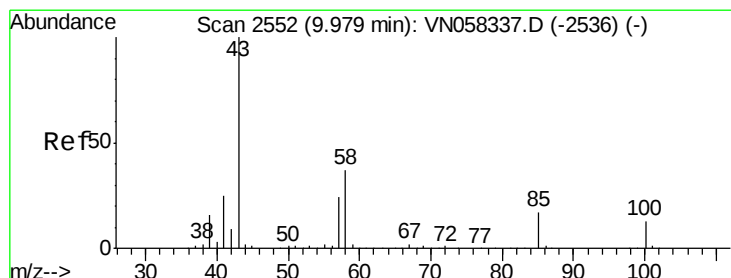
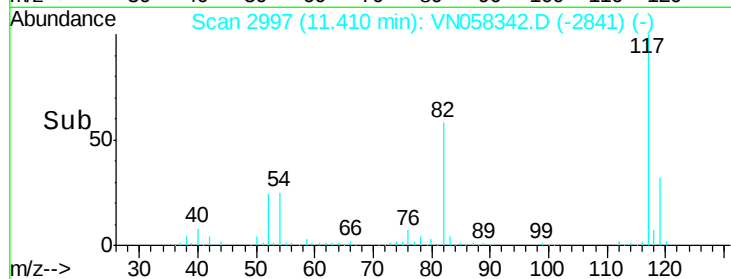
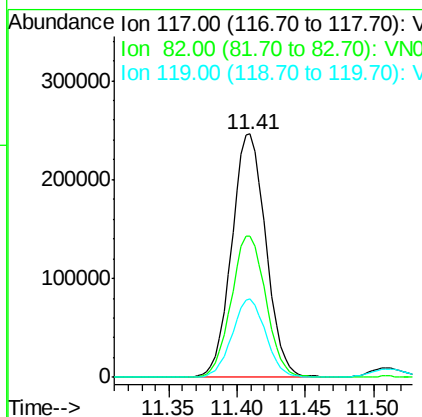
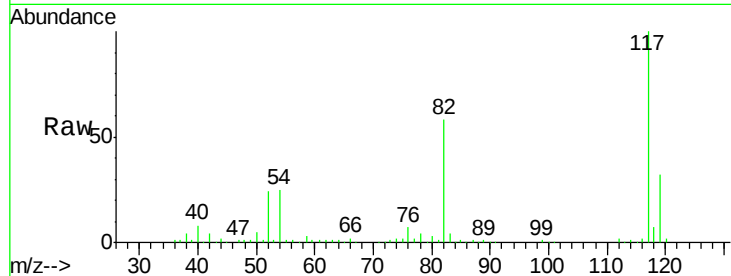
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.4	69.6
119	31.8	25.1	37.7

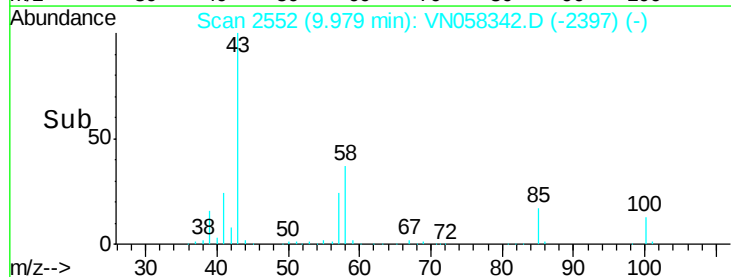
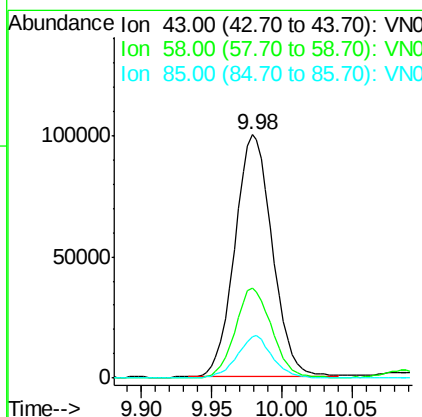
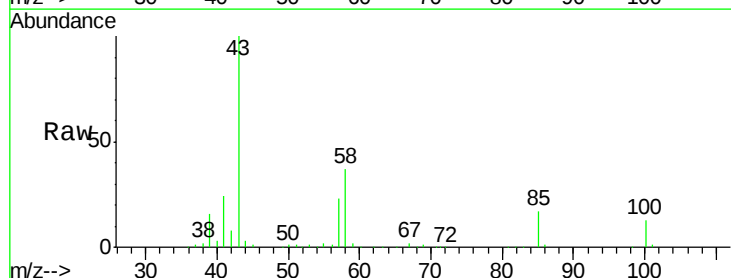
Manual Integrations
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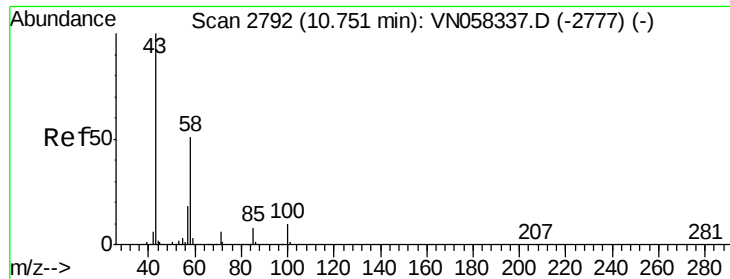
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 27.788 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.3	43.9
85	16.3	13.1	19.7





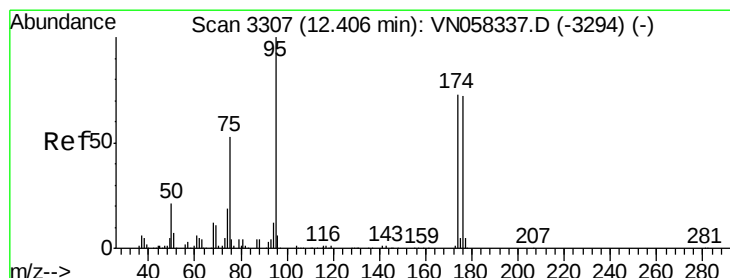
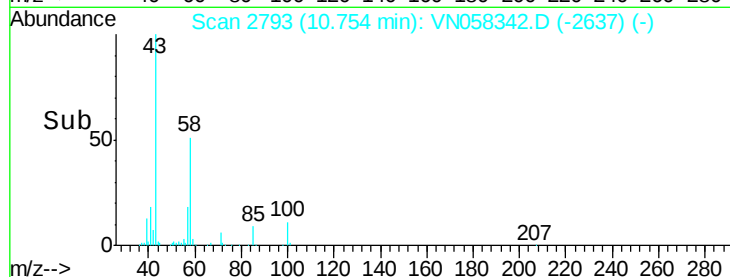
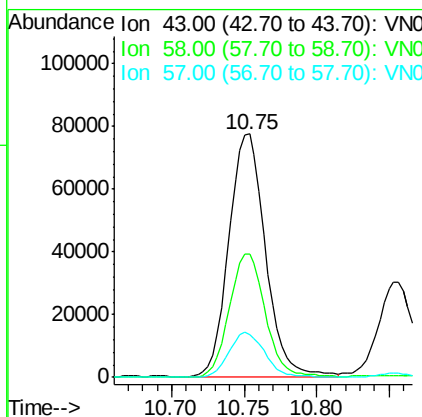
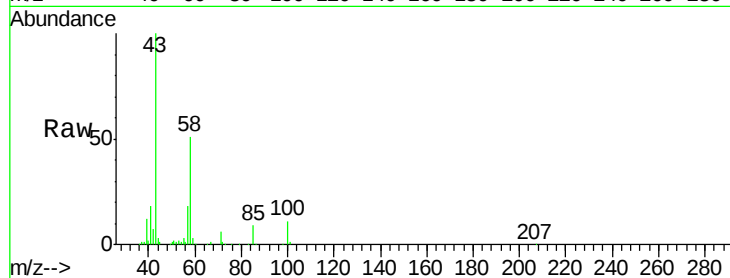
#59
2-Hexanone
Concen: 26.927 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.7	61.1
57	18.4	14.7	22.1

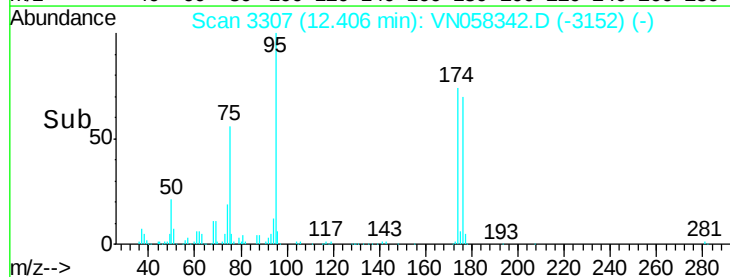
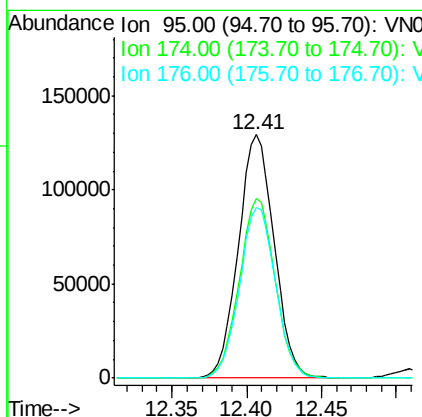
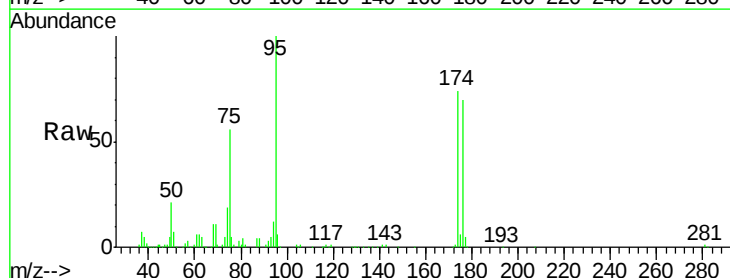
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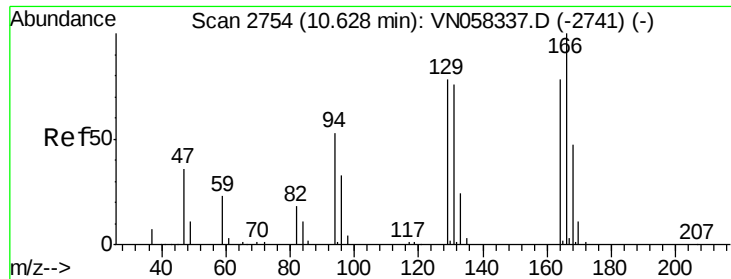
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.227 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	59.0	88.6
176	70.5	58.2	87.2





#61

Tetrachloroethene

Concen: 5.072 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

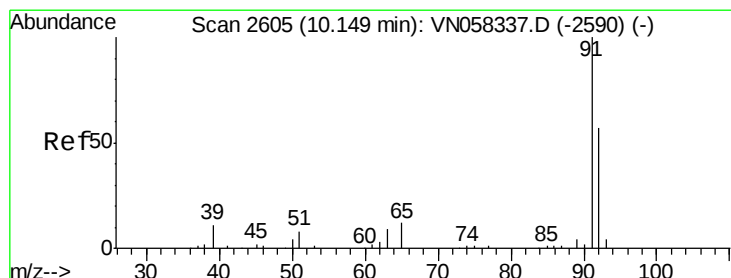
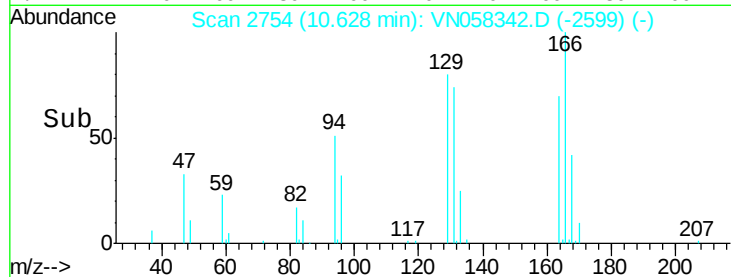
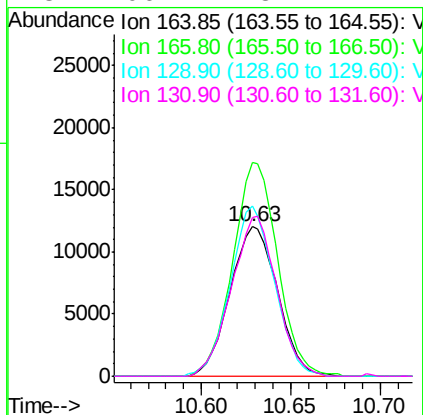
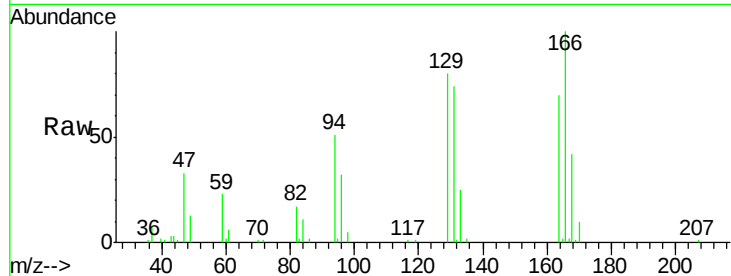
ClientSampled :

VSTDIC005

Tot Ion:	164	Resp:	22357
Ion	Ratio	Lower	Upper
164	100		
166	142.9	102.6	154.0
129	114.3	79.8	119.6
131	106.1	78.1	117.1

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#62

Toluene

Concen: 5.270 ug/l

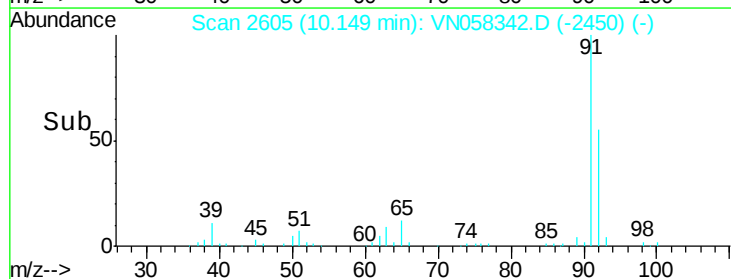
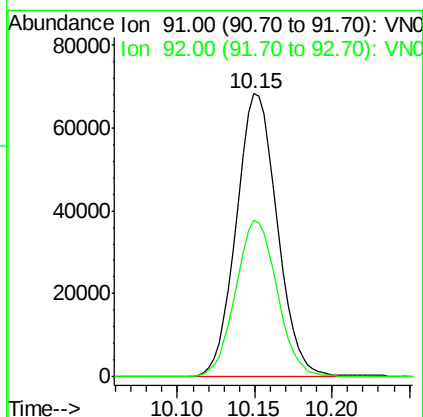
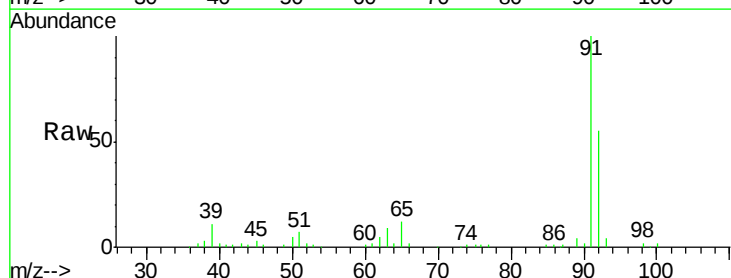
RT: 10.15 min Scan# 2605

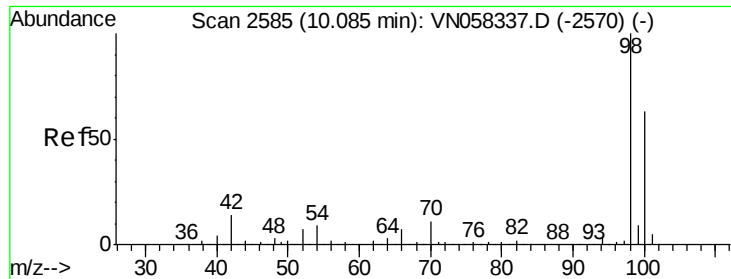
Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Tgt Ion:	91	Resp:	125643
Ion	Ratio	Lower	Upper
91	100		
92	56.1	45.5	68.3





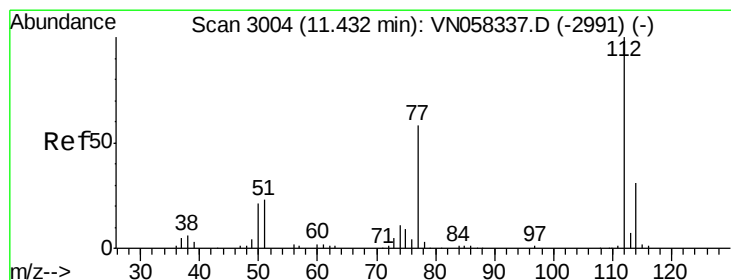
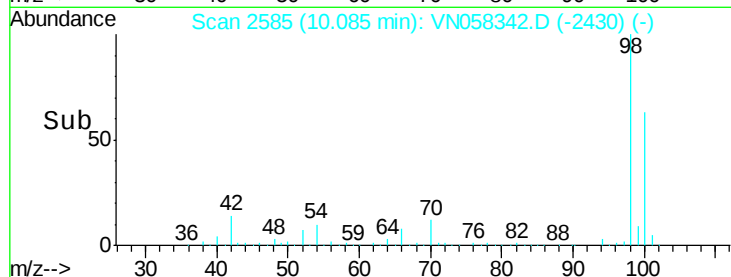
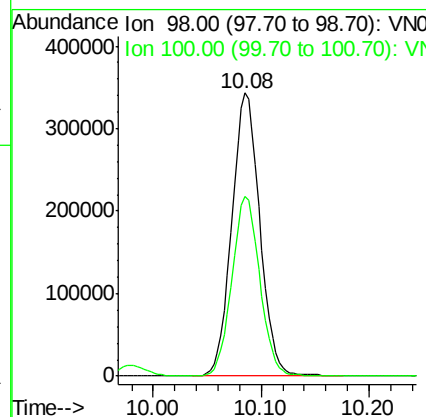
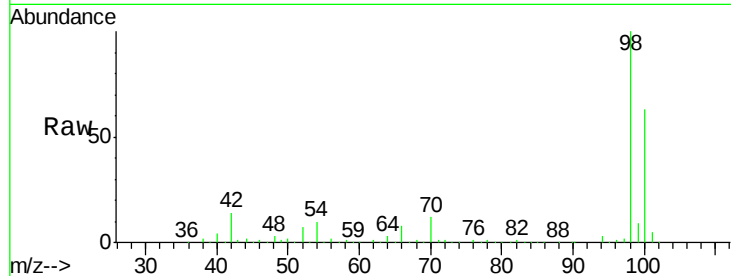
#63
Toluene-d8
Concen: 30.361 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 622340
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2

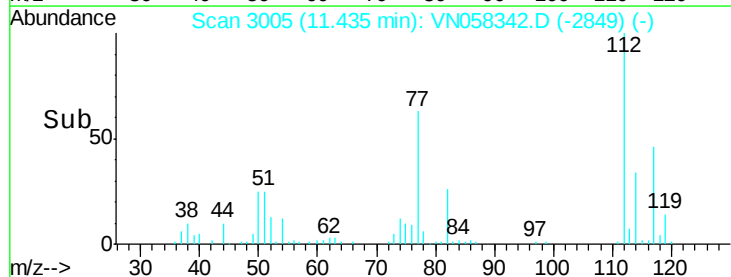
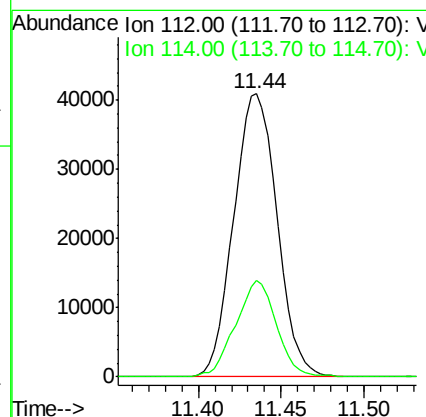
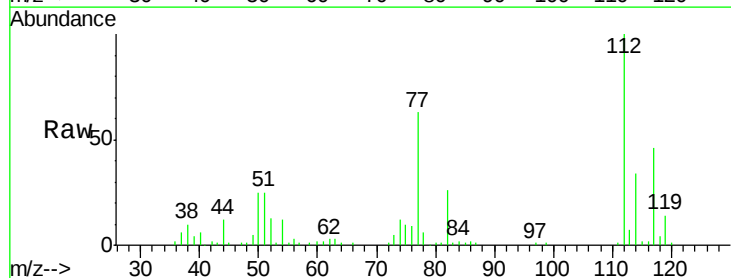
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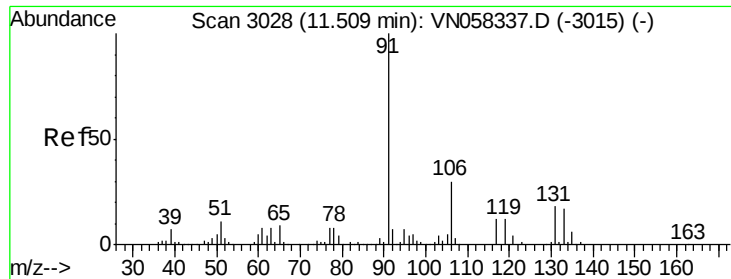
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#64
Chlorobenzene
Concen: 5.039 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 112 Resp: 74478
Ion Ratio Lower Upper
112 100
114 34.3 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 4.650 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

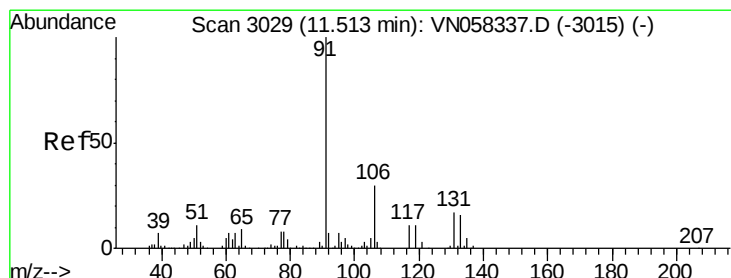
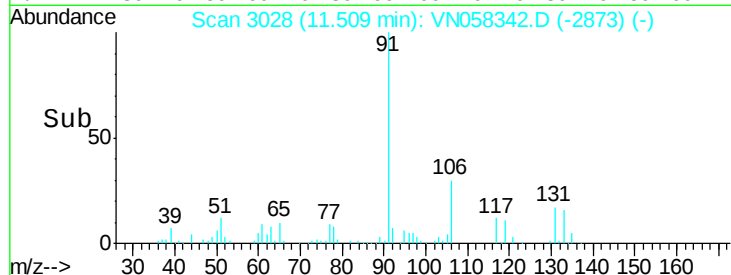
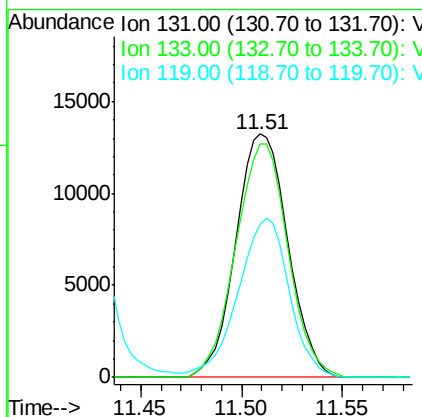
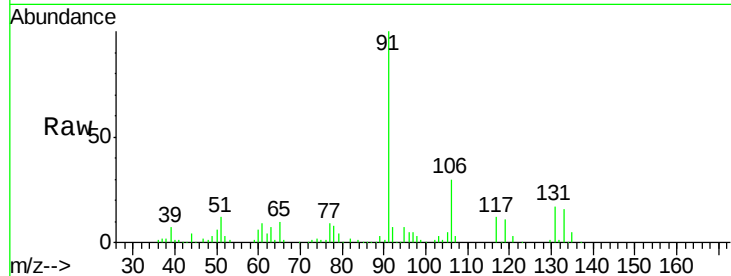
ClientSampleId :

VSTDIC005

Tot Ion:	131	Resp:	23929
Ion	Ratio	Lower	Upper
131	100		
133	96.1	0.0	191.8
119	64.3	0.0	134.2

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#66

Ethyl Benzene

Concen: 5.239 ug/l

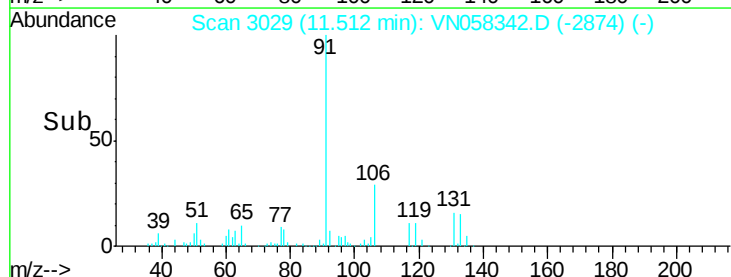
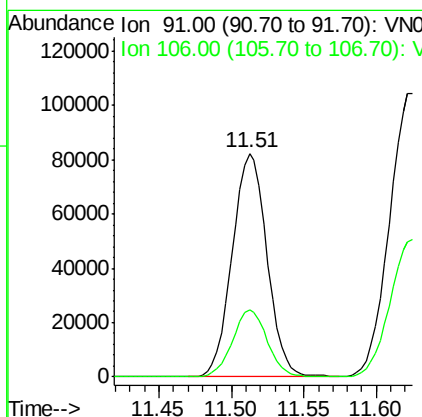
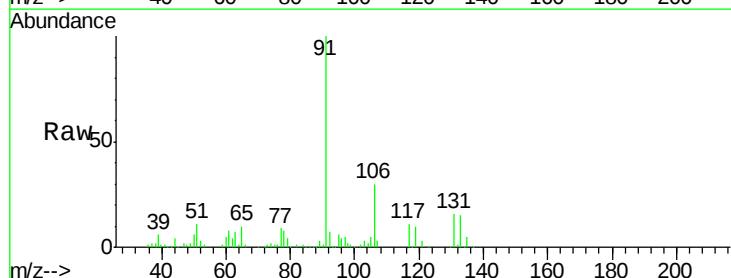
RT: 11.51 min Scan# 3029

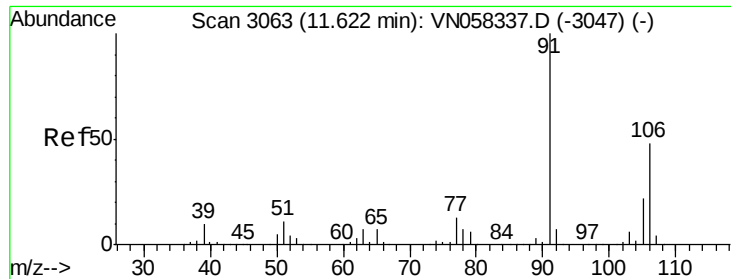
Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Tgt Ion:	91	Resp:	136694
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.2	36.4





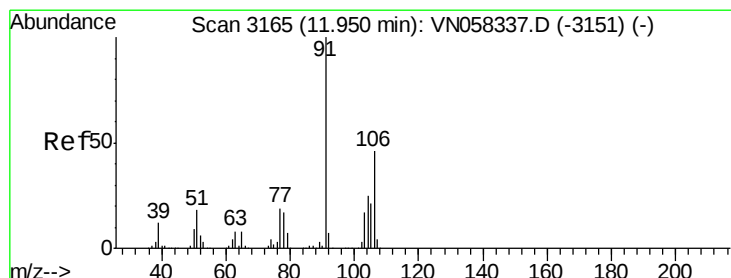
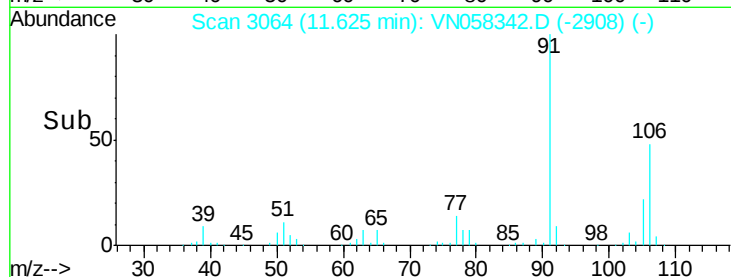
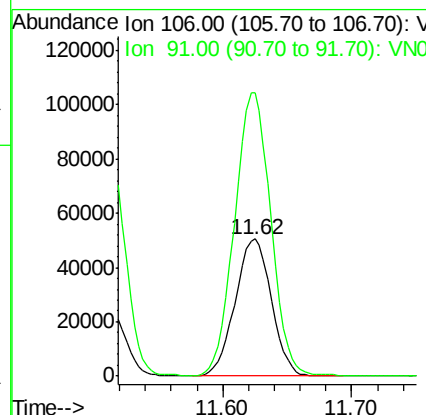
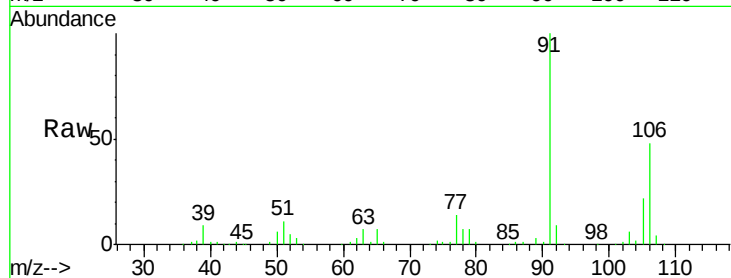
#67
m/p-Xylenes
Concen: 9.925 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 98923
Ion Ratio Lower Upper
106 100
91 206.1 167.8 251.6

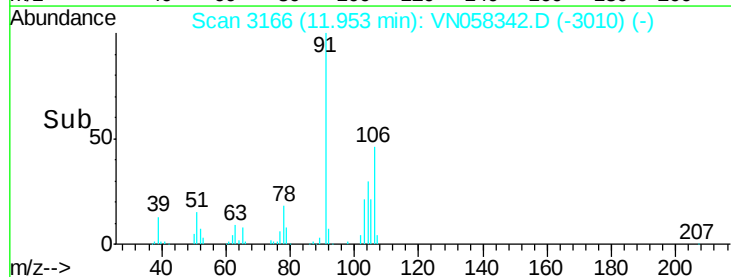
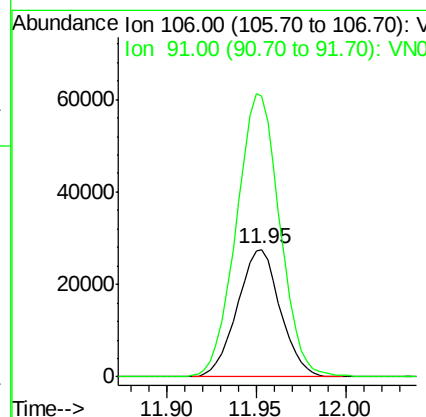
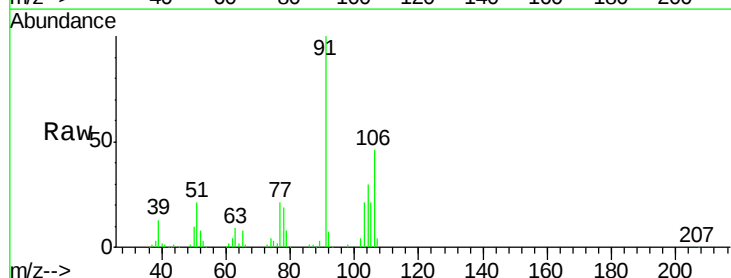
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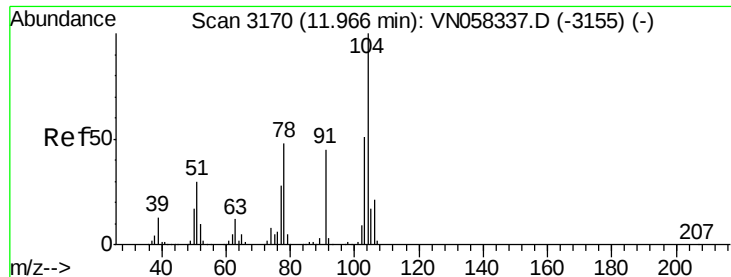
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#68
o-Xylene
Concen: 4.759 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion:106 Resp: 46548
Ion Ratio Lower Upper
106 100
91 223.7 108.7 325.9





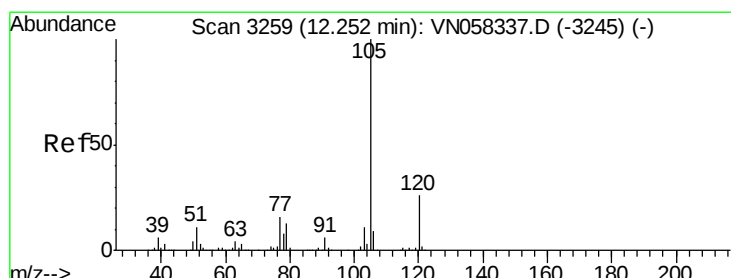
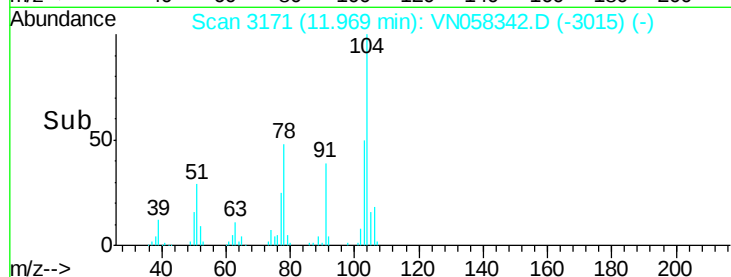
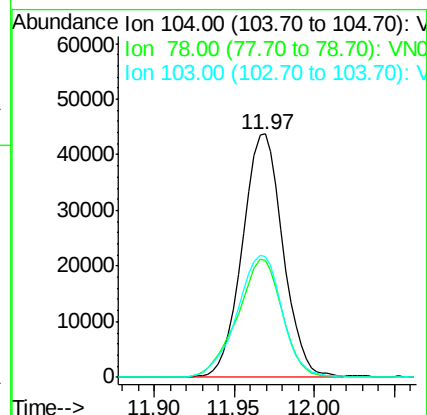
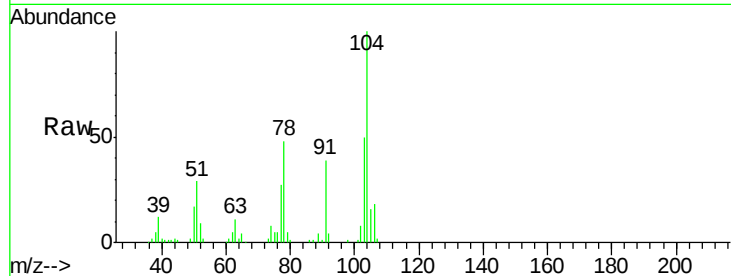
#69
Stvrene
Concen: 4.560 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.3	63.5
103	55.6	44.1	66.1

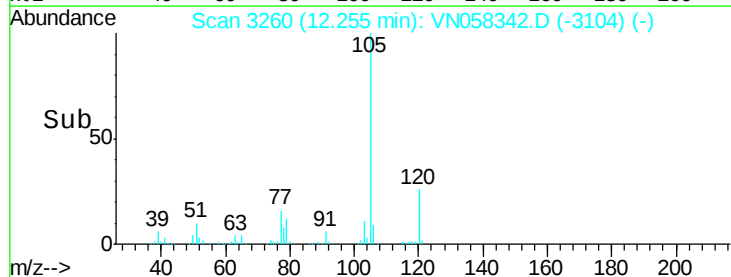
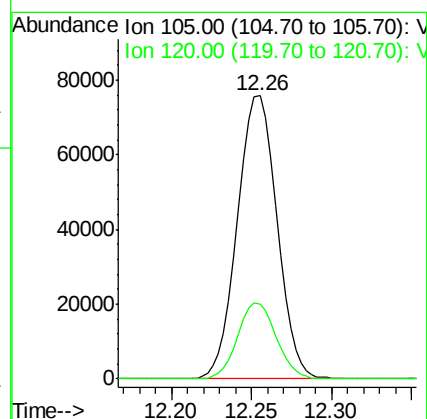
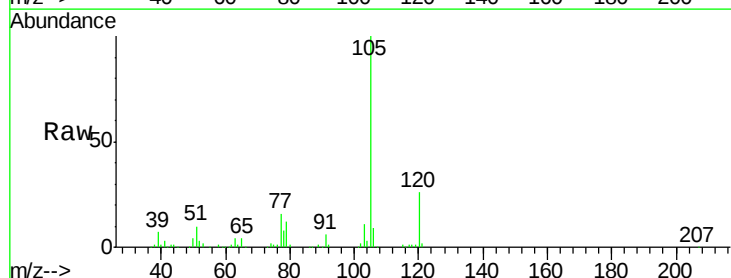
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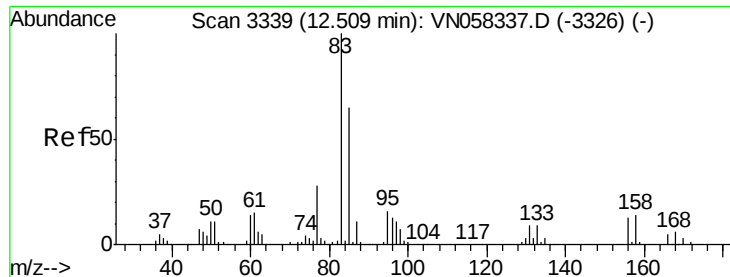
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#70
Isopropylbenzene
Concen: 4.991 ug/l
RT: 12.26 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.2	33.8





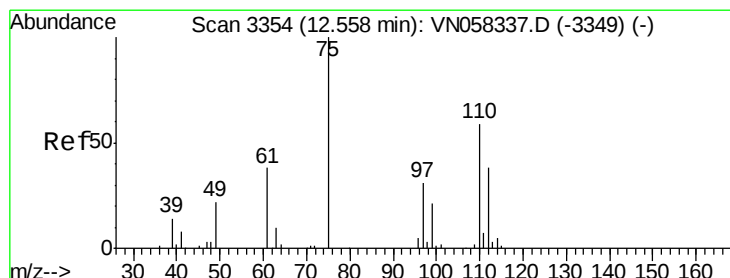
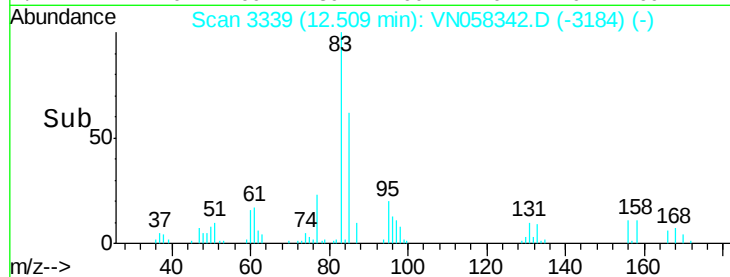
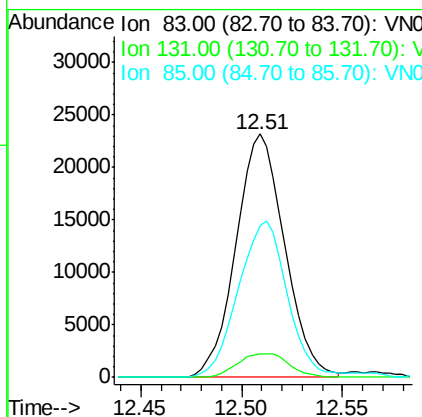
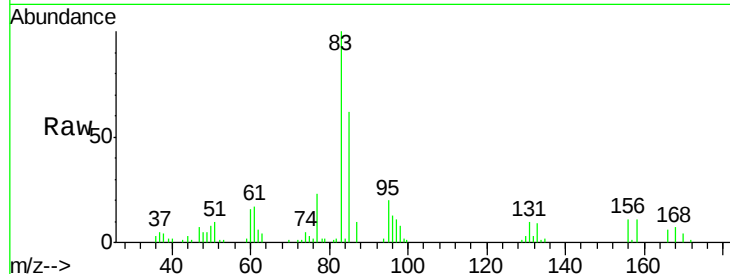
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.888 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	39222
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	4.8	14.3
85	64.5	32.6	97.7

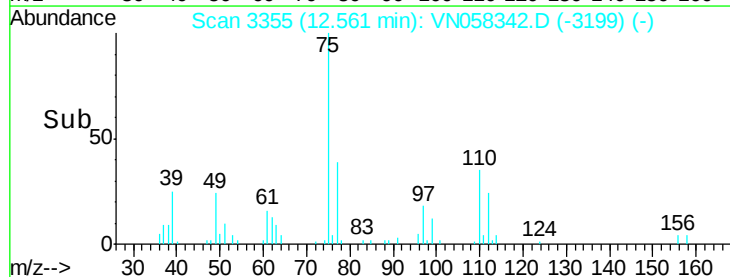
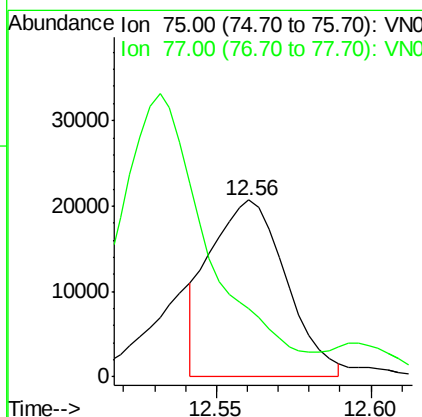
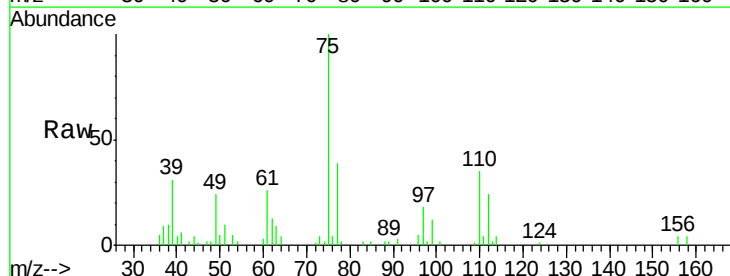
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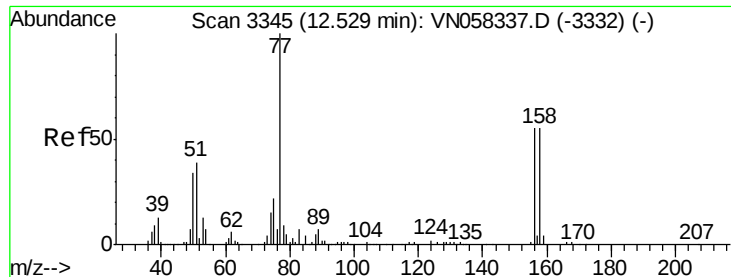
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#72
 1,2,3-Trichloropropane
 Concen: 4.937 ug/l m
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion	75	Resp	35159
Ion Ratio	100	Lower	Upper
75	100		
77	191.3	0.0	382.4





#73

Bromobenzene

Concen: 4.821 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

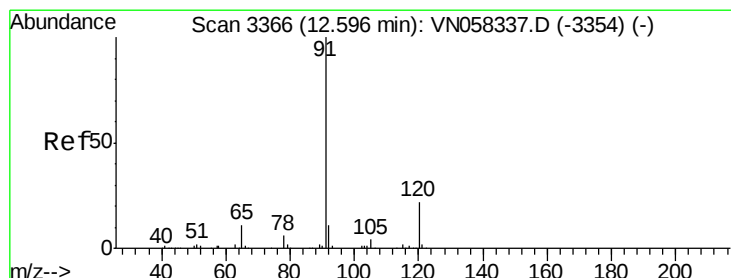
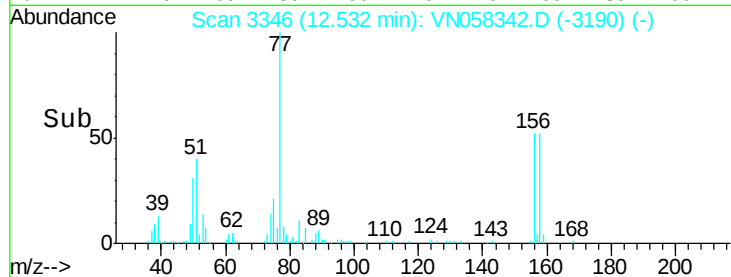
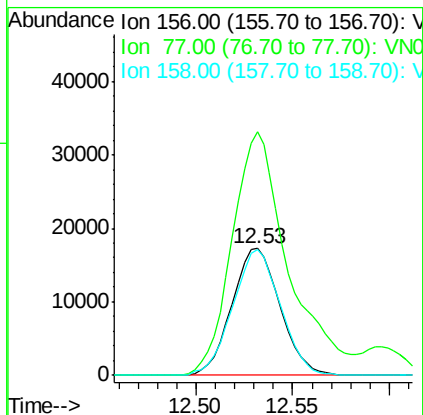
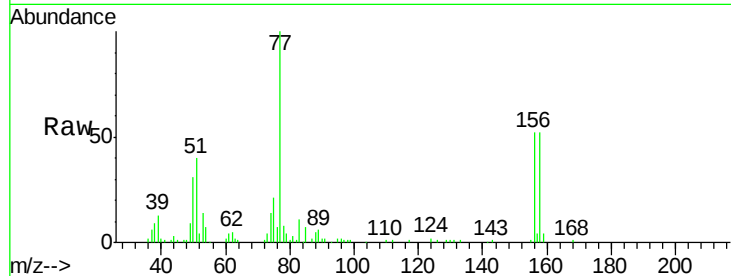
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	29869
Ion Ratio	Lower	Upper	
156	100		
77	225.2	0.0	438.8
158	98.0	0.0	195.6

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#74

n-propylbenzene

Concen: 5.074 ug/l

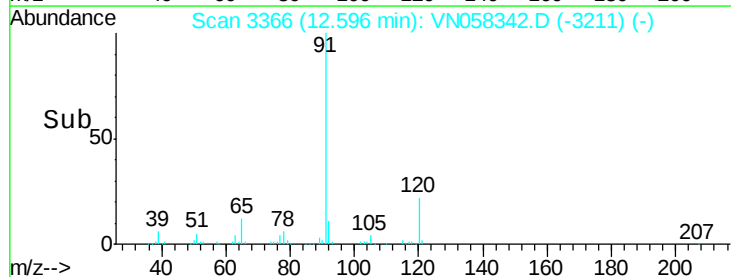
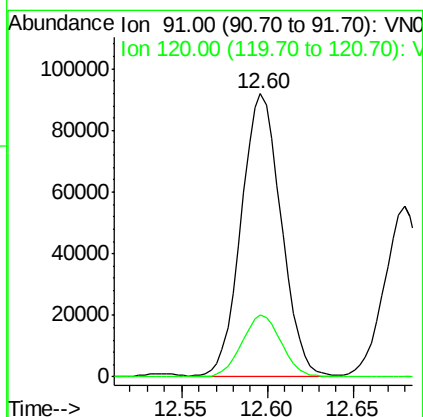
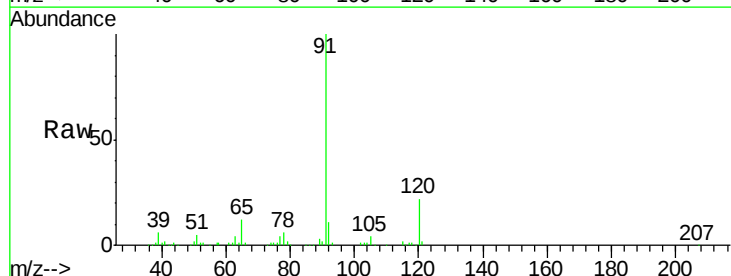
RT: 12.60 min Scan# 3366

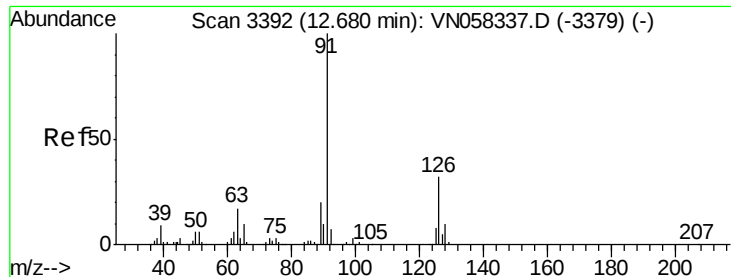
Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Tgt Ion:	91	Resp:	149217
Ion Ratio	Lower	Upper	
91	100		
120	21.4	0.0	44.0





#75

2-Chlorotoluene

Concen: 4.946 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 90781

Ion Ratio Lower Upper

91 100

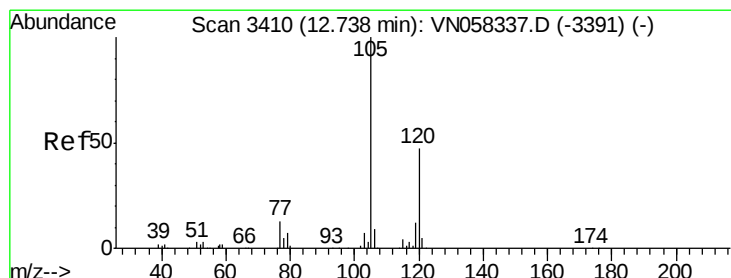
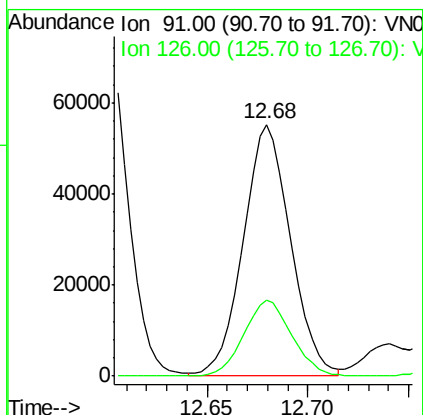
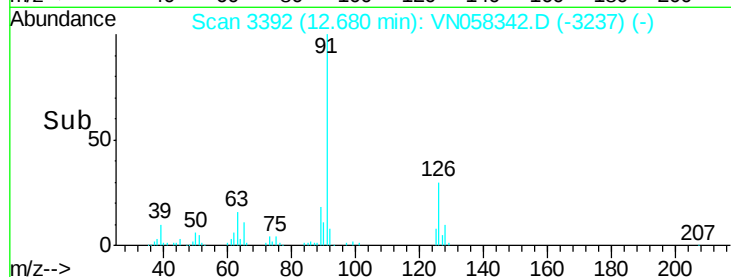
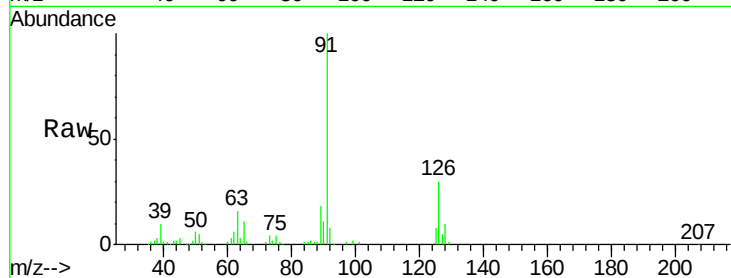
126 30.3 0.0 65.0

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#76

1,3,5-Trimethylbenzene

Concen: 4.810 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058342.D

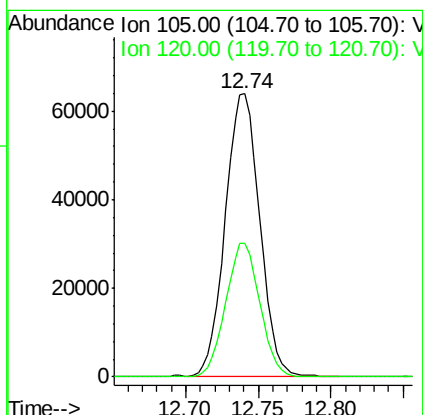
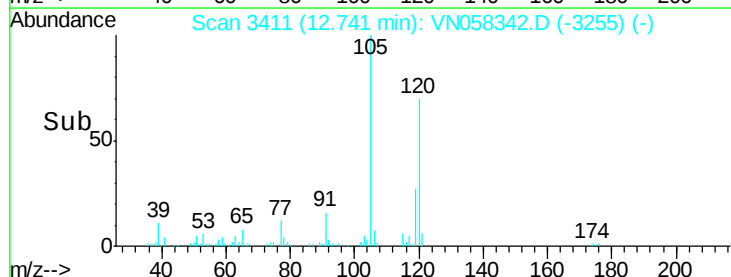
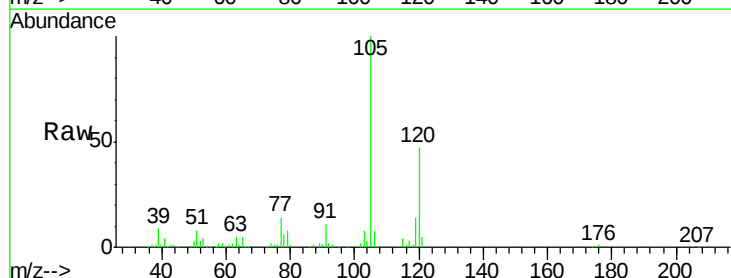
Acq: 24 Sep 2019 12:21

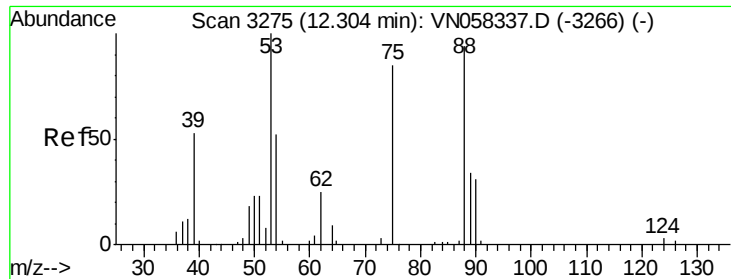
Tgt Ion:105 Resp: 105574

Ion Ratio Lower Upper

105 100

120 46.5 0.0 94.4





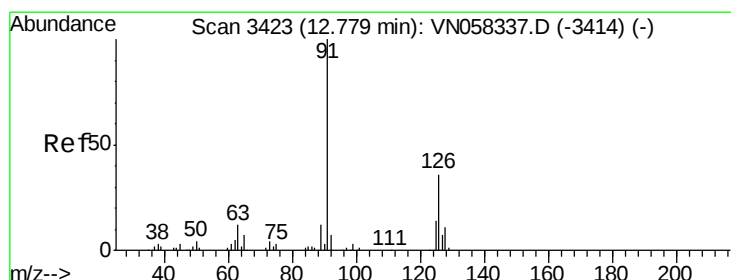
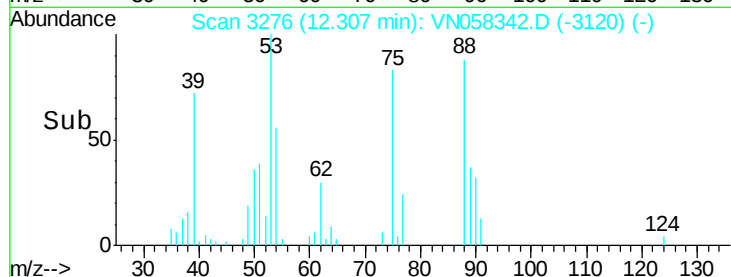
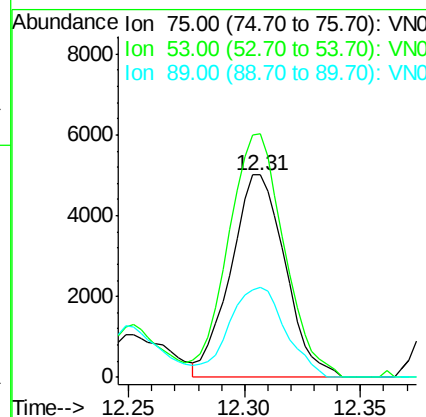
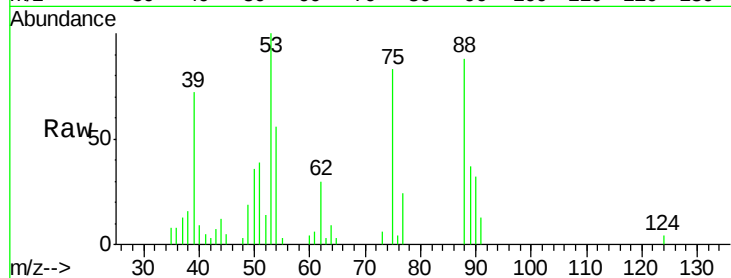
#77
t-1,4-Dichloro-2-butene
Concen: 3.789 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.3	59.0	176.8
89	44.2	21.6	65.0

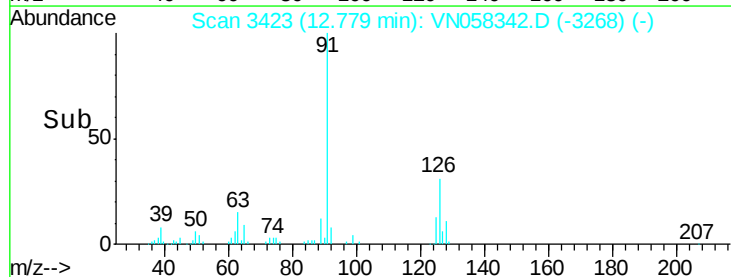
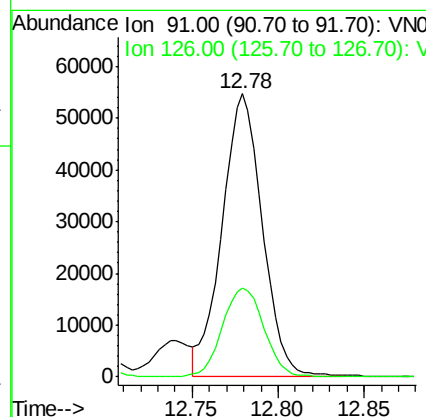
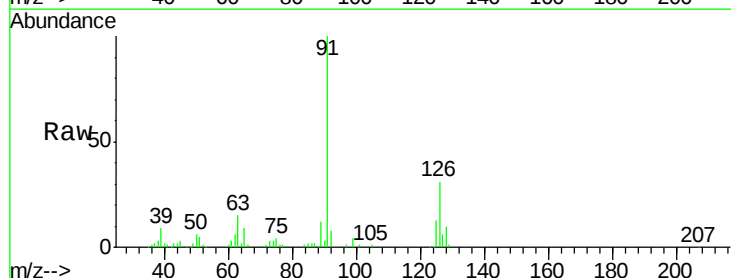
Manual Integrations
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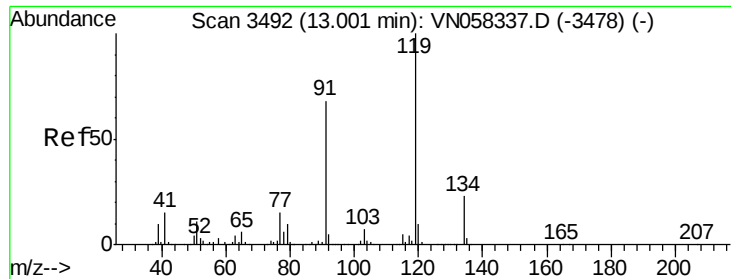
MMDadoda
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#78
4-Chlorotoluene
Concen: 4.769 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	63.8





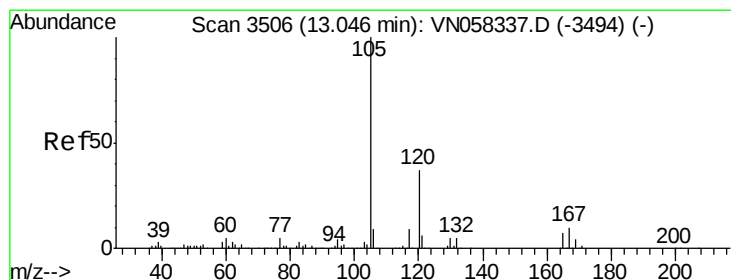
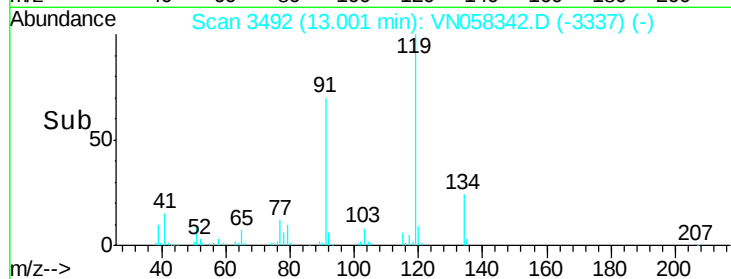
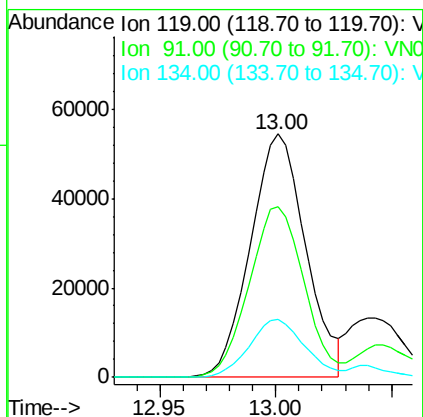
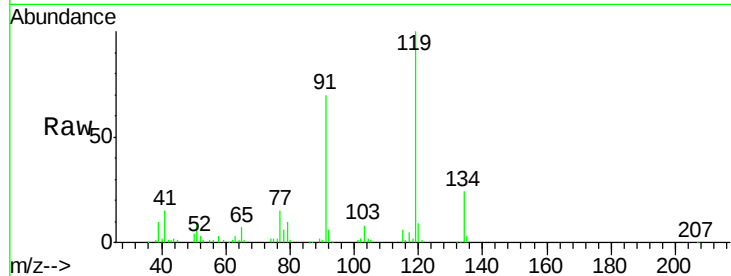
#79
tert-butylbenzene
Concen: 4.736 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	90073		
91	69.4		0.0	138.2
134	23.8		0.0	46.8

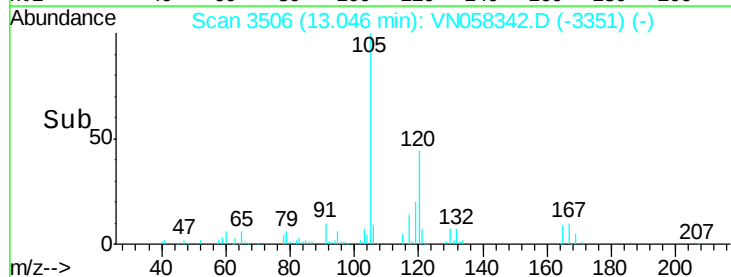
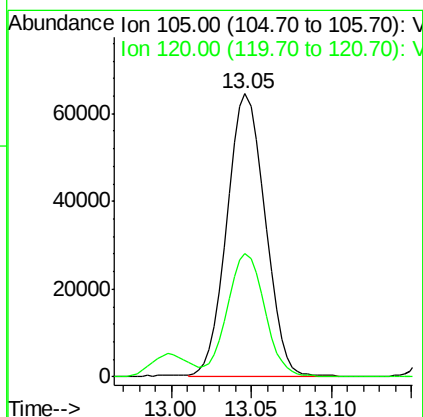
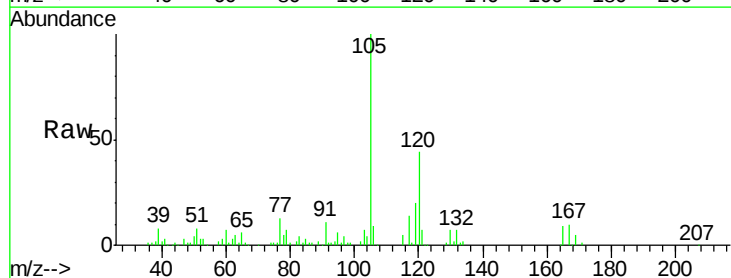
Manual Integrations
APPROVED

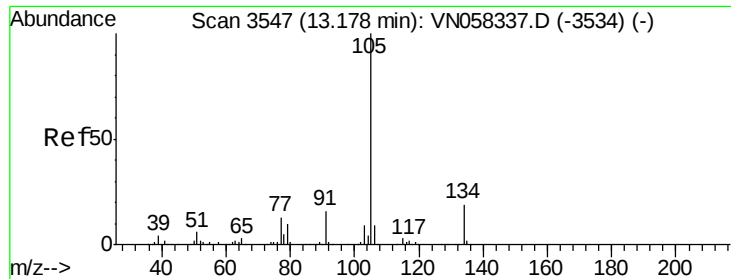
MMDadoda
9/25/2019 8:23:59 AM



#80
1,2,4-Trimethylbenzene
Concen: 4.770 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	104551		
120	43.1		0.0	86.6





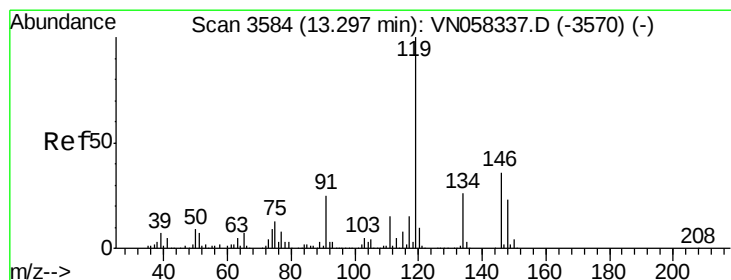
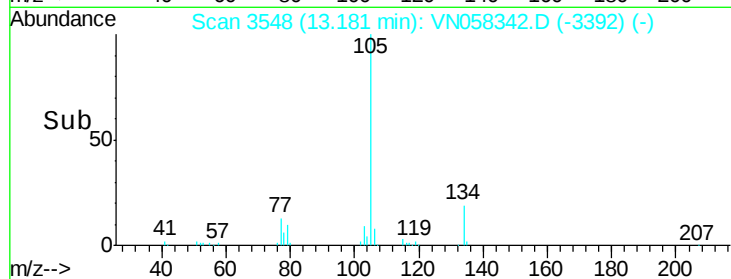
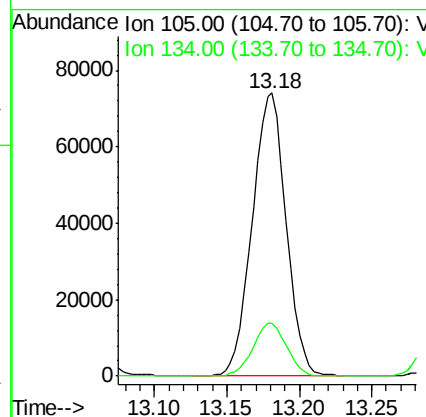
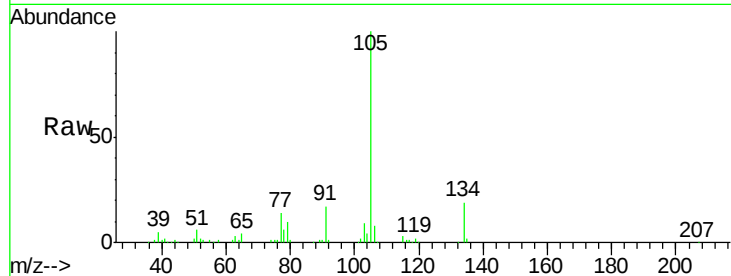
#81
 sec-Butylbenzene
 Concen: 4.745 ug/l
 RT: 13.18 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	0.0	38.2

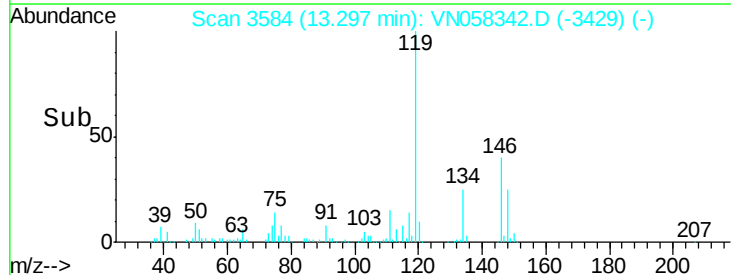
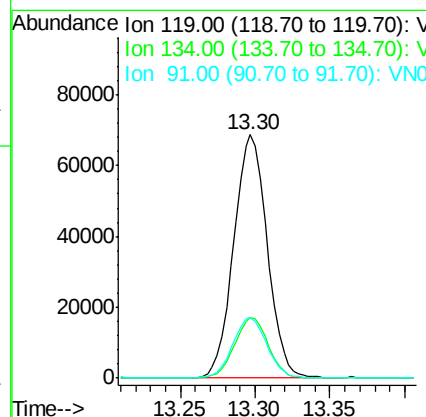
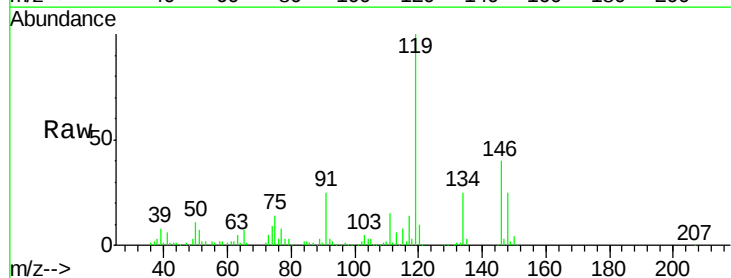
Manual Integrations
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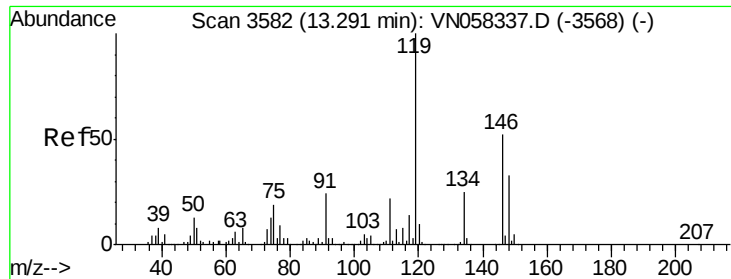
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#82
 p-Isopropyltoluene
 Concen: 4.737 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	0.0	51.6
91	25.3	0.0	49.6





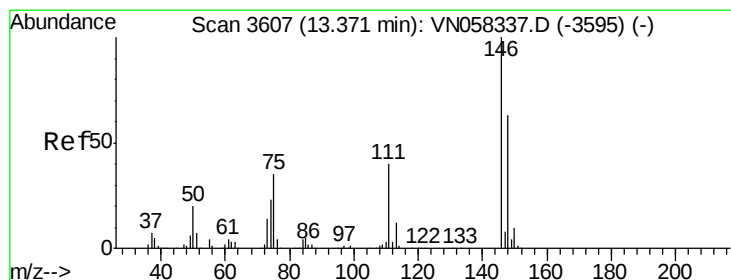
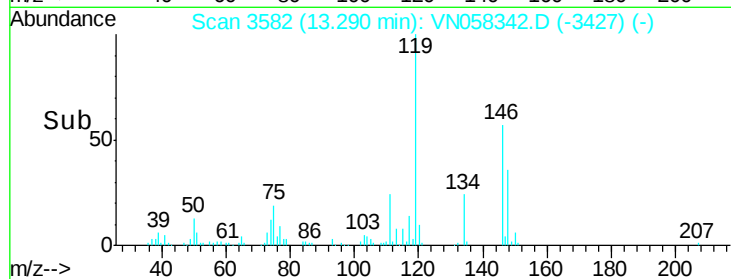
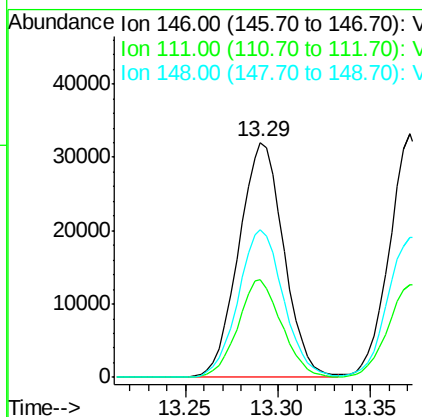
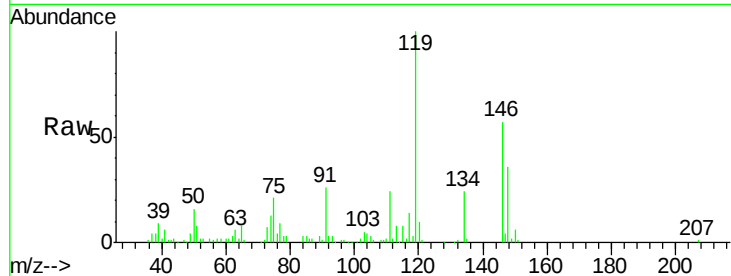
#83
 1,3-Dichlorobenzene
 Concen: 4.733 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.9	62.8
148	63.2	32.0	96.2

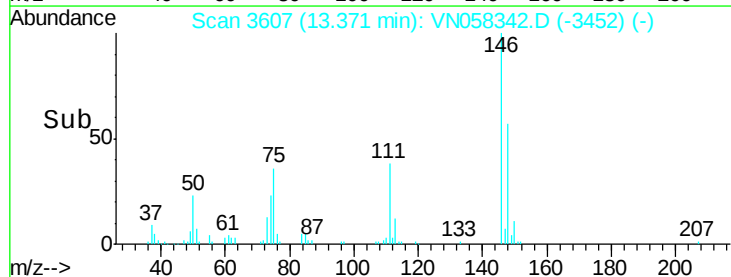
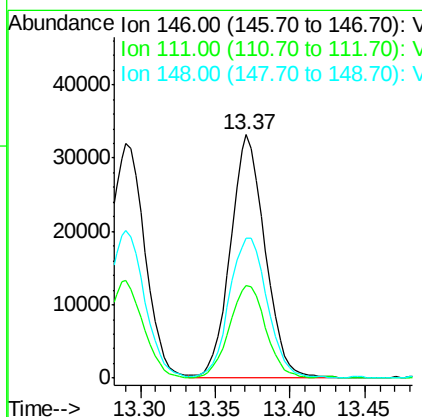
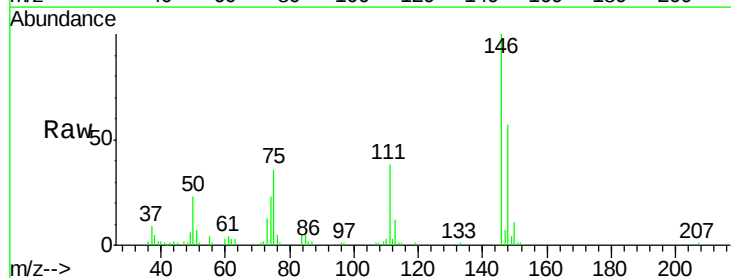
Manual Integrations
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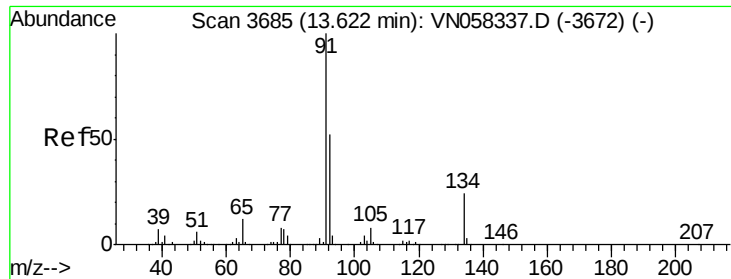
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#84
 1,4-Dichlorobenzene
 Concen: 4.751 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.4	61.3
148	63.5	31.9	95.7





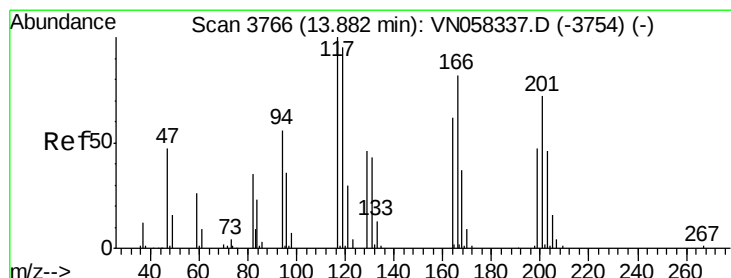
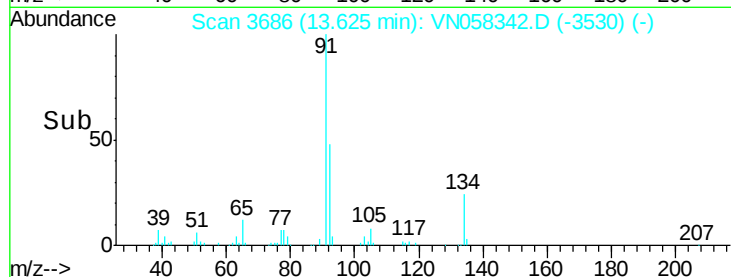
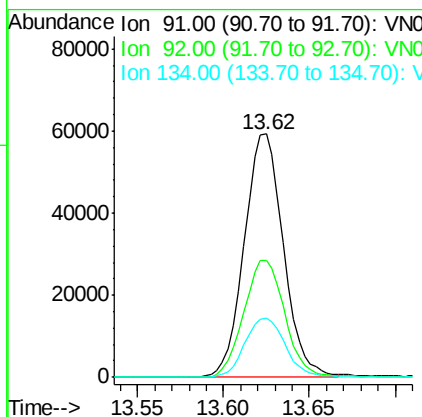
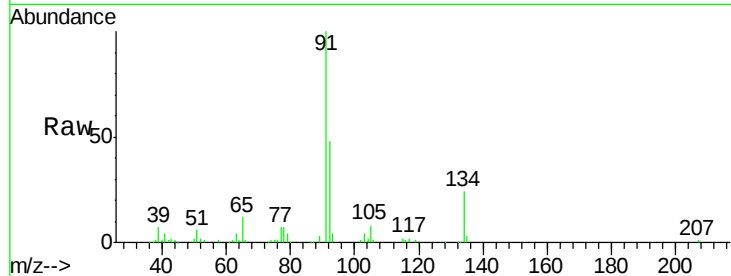
#85
n-Butylbenzene
Concen: 4.461 ug/l
RT: 13.62 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	0.0	102.6
134	25.1	0.0	47.8

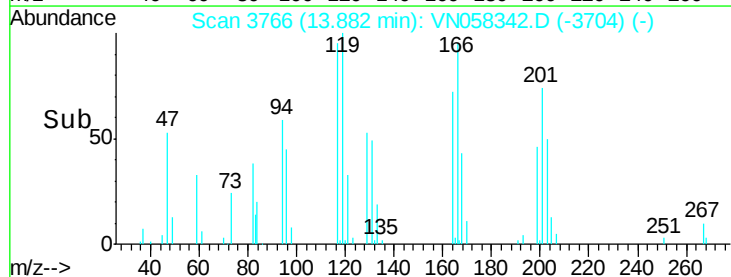
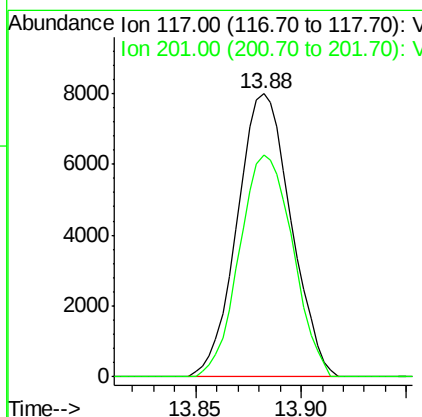
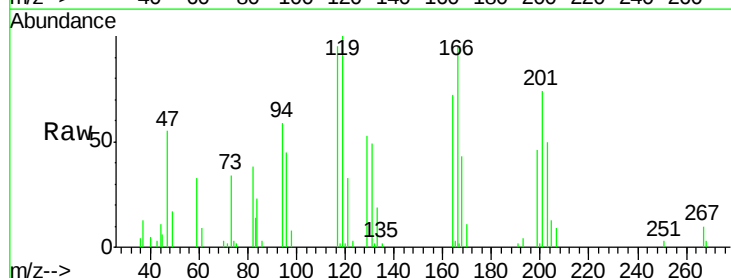
Manual Integrations
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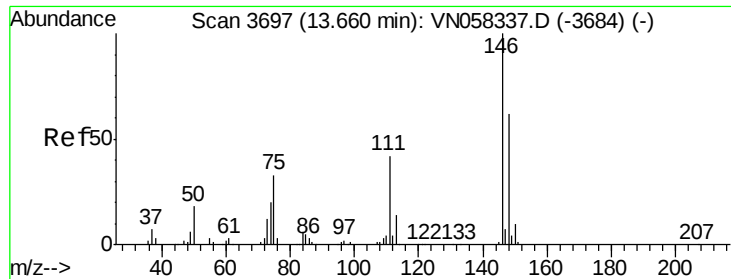
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#86
Hexachloroethane
Concen: 3.885 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	37.2	111.6





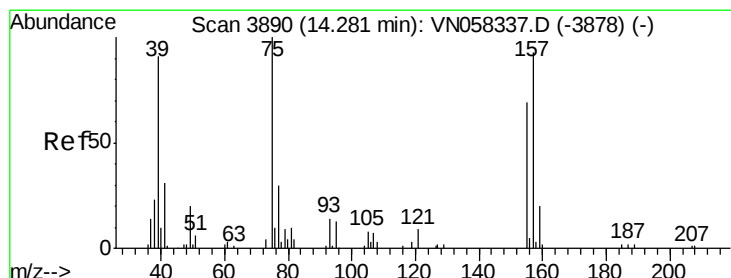
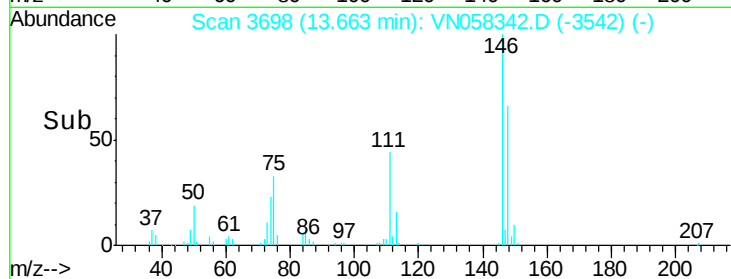
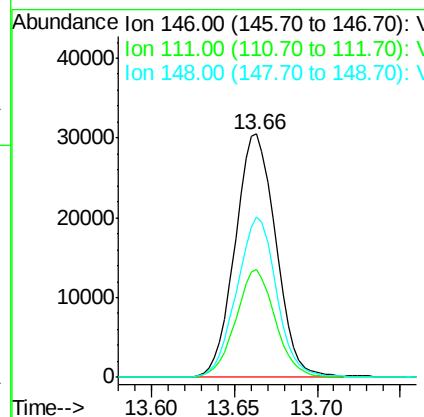
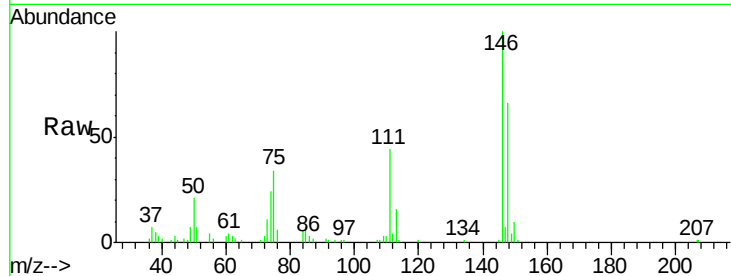
#87
 1,2-Dichlorobenzene
 Concen: 4.688 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.3
148	64.3	31.9	95.7

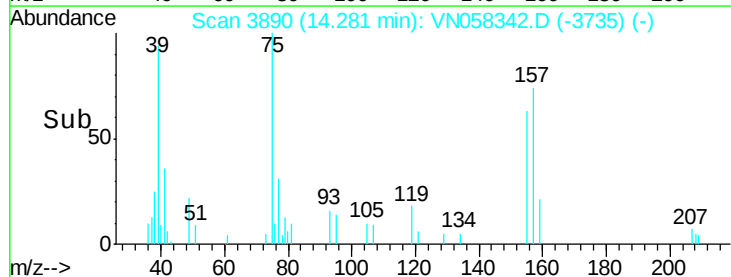
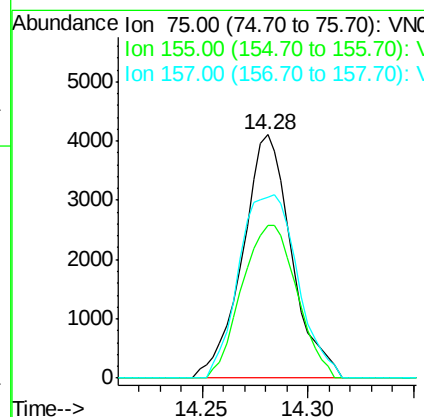
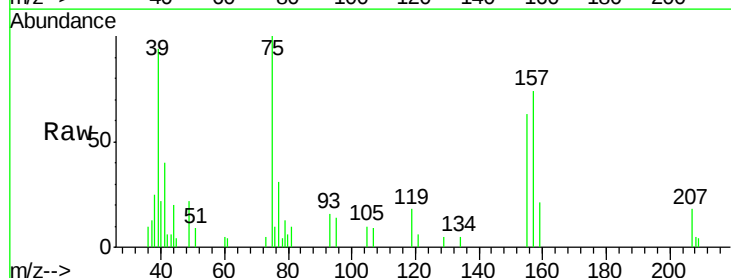
Manual Integrations
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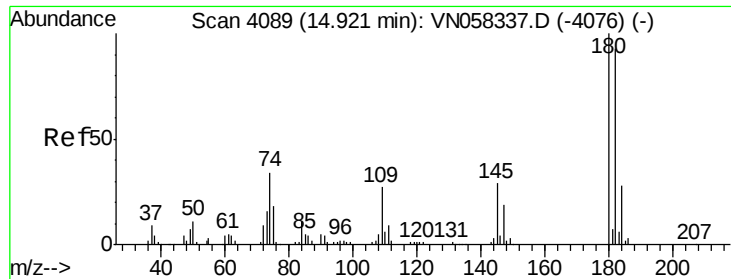
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.602 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.4	58.5	87.7
157	90.0	75.4	113.2





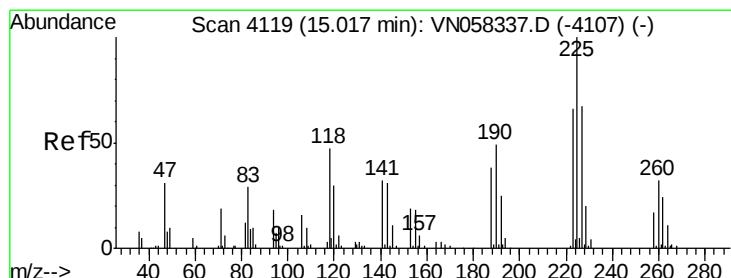
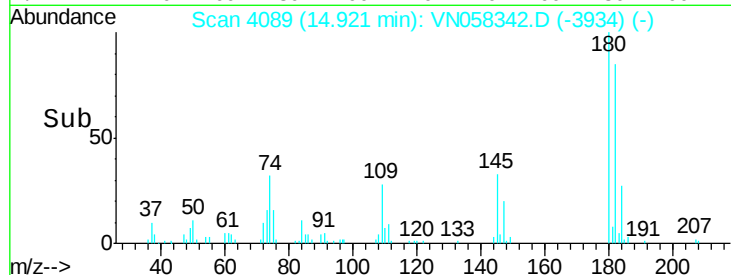
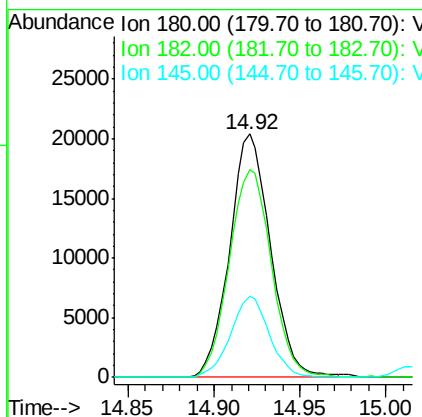
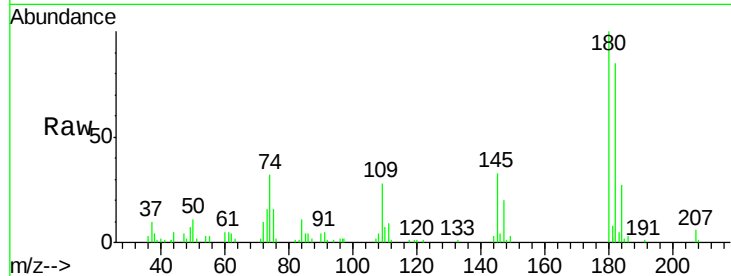
#89
 1,2,4-Trichlorobenzene
 Concen: 4.951 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.7	75.2	112.8
145	31.7	25.1	37.7

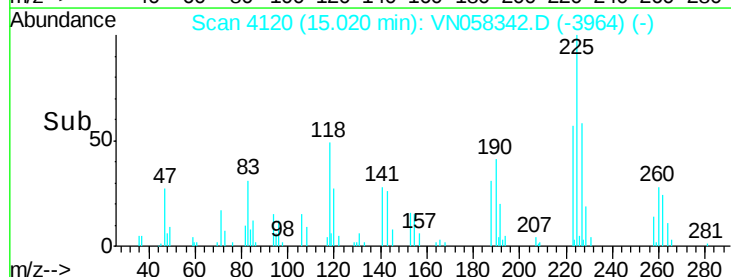
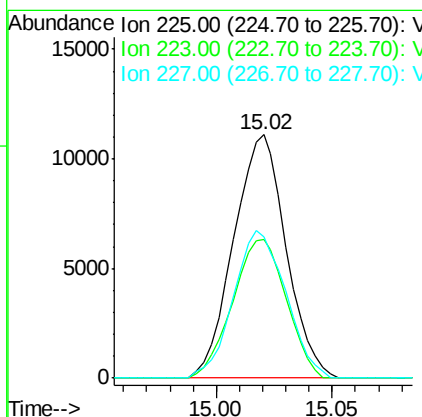
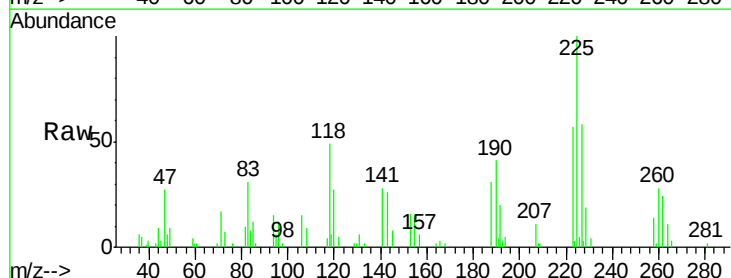
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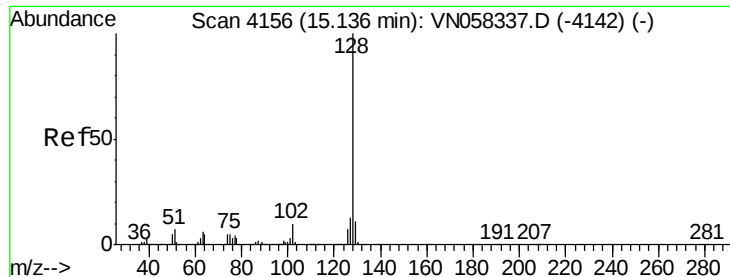
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#90
 Hexachlorobutadiene
 Concen: 5.505 ug/l
 RT: 15.02 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.3	0.0	132.6
227	60.4	0.0	129.2





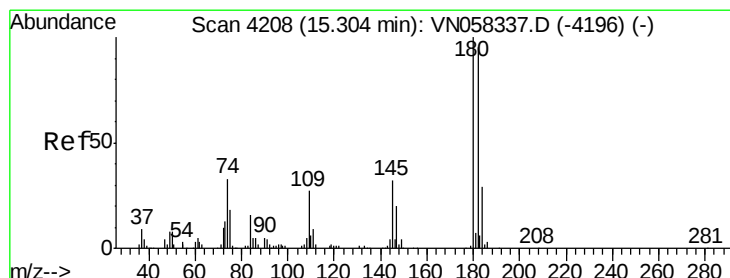
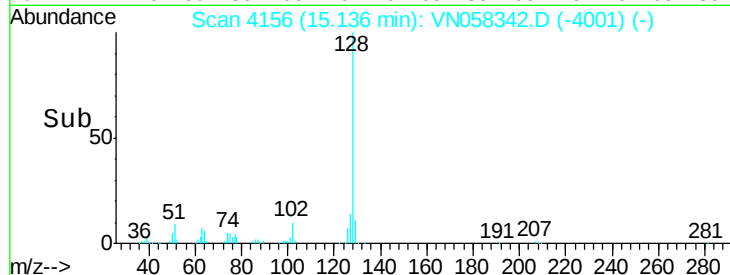
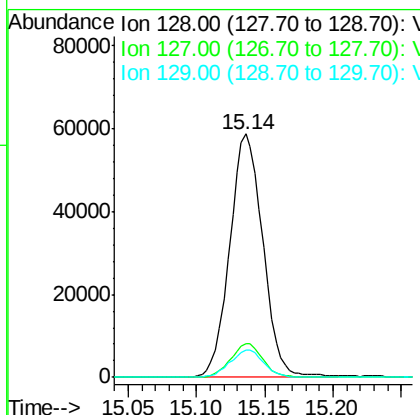
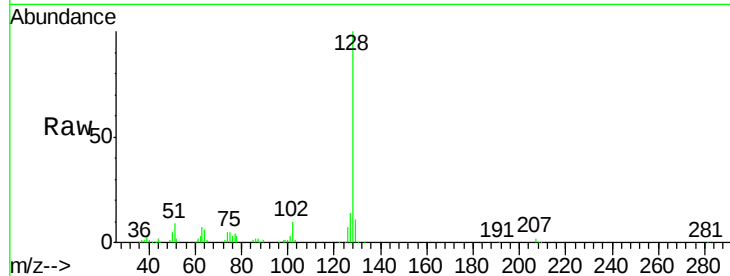
#91
Naphthalene
Concen: 5.307 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.4	10.2	15.4	
129	11.2	8.6	13.0	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 5.206 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.9	0.0	189.4	
145	31.4	0.0	64.0	

