

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058376.D
 Acq On : 26 Sep 2019 11:39
 Operator : JC/SP
 Sample : VN0926WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:19:03 AM

Quant Time: Sep 27 04:02:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75321	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	438784	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	396719	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	207704	31.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.97%
60) 4-Bromofluorobenzene	12.41	95	202099	29.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.13%
63) Toluene-d8	10.08	98	572434	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	91241	20.144	ug/l 97
3) Chloromethane	2.04	50	107352	20.526	ug/l 99
4) Vinyl Chloride	2.17	62	106179	20.346	ug/l 98
5) Bromomethane	2.55	94	54973	19.400	ug/l 99
6) Chloroethane	2.69	64	65983	21.394	ug/l 95
7) Trichlorofluoromethane	3.00	101	129645	21.099	ug/l 97
8) Diethyl Ether	3.39	74	55126	20.181	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88544	20.933	ug/l 99
10) 1,1-Dichloroethene	3.72	96	85478	20.672	ug/l 95
11) Methyl Iodide	3.93	142	93773	22.119	ug/l 99
12) Methyl Acetate	4.30	43	106722	19.379	ug/l 100
13) Acrolein	3.59	56	17135	109.419	ug/l 99
14) Acrylonitrile	4.96	53	226678	99.685	ug/l 99
15) Acetone	3.80	58	65795	104.353	ug/l 92
16) Carbon Disulfide	4.03	76	223231	19.427	ug/l 99
17) Allyl chloride	4.30	41	150459	19.481	ug/l 94
18) Methylene Chloride	4.53	84	101699	20.849	ug/l 95
19) trans-1,2-Dichloroethene	5.01	96	94055	20.290	ug/l 96
20) Diisopropyl ether	5.93	45	331847	20.164	ug/l 96
21) 1,1-Dichloroethane	5.83	63	186857	20.290	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	110801	20.578	ug/l 98
23) tert-Butyl Alcohol	4.76	59	73215	87.218	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	294481	19.841	ug/l 97
25) Chloroform	7.36	83	191786	20.567	ug/l 95
26) Cyclohexane	7.64	56	171831	19.963	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	142862	19.946	ug/l 98
30) 2-Butanone	6.82	43	318721	98.003	ug/l 100
31) 2,2-Dichloropropane	6.81	77	151160	20.500	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	159828	20.689	ug/l 99
33) Carbon Tetrachloride	7.76	117	132158	20.136	ug/l 98
34) Benzene	8.03	78	419193	20.632	ug/l 99
35) Methacrylonitrile	7.16	41	53246	19.035	ug/l 94
36) 1,2-Dichloroethane	8.11	62	162845	20.460	ug/l 99
37) Trichloroethene	8.82	130	102914	20.232	ug/l 99
38) Methylcyclohexane	9.07	83	171493	19.801	ug/l 99
39) 1,2-Dichloropropane	9.11	63	112874	20.366	ug/l 97
40) Dibromomethane	9.20	93	73022	20.876	ug/l 95

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	138266	19.999	ug/l	100
42) Vinyl Acetate	5.87	43	1355235	109.141	ug/l	100
43) Ethyl Acetate	6.91	43	134147	20.775	ug/l	100
44) Isopropyl Acetate	8.15	43	219618	18.999	ug/l	99
45) 1,4-Dioxane	9.19	88	35967	368.836	ug/l	97
46) Methyl methacrylate	9.19	41	105961	19.343	ug/l	97
47) n-amyl Acetate	12.08	43	184066	18.294	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	145116	19.209	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	166520	19.797	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	98163	20.080	ug/l	96
51) Ethyl methacrylate	10.43	69	147964	19.130	ug/l	100
52) 1,3-Dichloropropane	10.71	76	175068	20.164	ug/l	98
53) Dibromochloromethane	10.90	129	94719	19.287	ug/l	100
54) 1,2-Dibromoethane	11.00	107	99220	19.889	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	321349	98.121	ug/l	99
56) Bromoform	12.13	173	58108	18.758	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	655700	105.484	ug/l	99
59) 2-Hexanone	10.75	43	475036	101.086	ug/l	99
61) Tetrachloroethene	10.63	164	83207	20.020	ug/l	98
62) Toluene	10.15	91	454663	20.926	ug/l	99
64) Chlorobenzene	11.44	112	267712	20.051	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	93620	20.001	ug/l	99
66) Ethyl Benzene	11.51	91	498244	21.030	ug/l	99
67) m/p-Xylenes	11.62	106	362647	39.870	ug/l	98
68) o-Xylene	11.95	106	172691	19.525	ug/l	95
69) Styrene	11.97	104	293111	19.818	ug/l	99
70) Isopropylbenzene	12.25	105	476689	20.798	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	144811	19.879	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	117855m	18.812	ug/l	
73) Bromobenzene	12.53	156	110320	19.872	ug/l	99
74) n-propylbenzene	12.60	91	569497	21.553	ug/l	99
75) 2-Chlorotoluene	12.68	91	333158	20.157	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	410242	20.787	ug/l	100
77) t-1,4-Dichloro-2-butene	12.31	75	35026	17.140	ug/l	97
78) 4-Chlorotoluene	12.78	91	340843	20.121	ug/l	99
79) tert-butylbenzene	13.00	119	344707	20.174	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	400751	20.344	ug/l	99
81) sec-Butylbenzene	13.18	105	470503	20.994	ug/l	100
82) p-Isopropyltoluene	13.30	119	412385	20.433	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	197714	19.303	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	195257	19.154	ug/l	99
85) n-Butylbenzene	13.62	91	371754	19.826	ug/l	100
86) Hexachloroethane	13.88	117	61198	18.773	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	194852	19.483	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	25085	17.644	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	110303	16.881	ug/l	100
90) Hexachlorobutadiene	15.02	225	58289	18.437	ug/l	96
91) Naphthalene	15.14	128	295810	16.485	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	103238	16.451	ug/l	98

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration

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

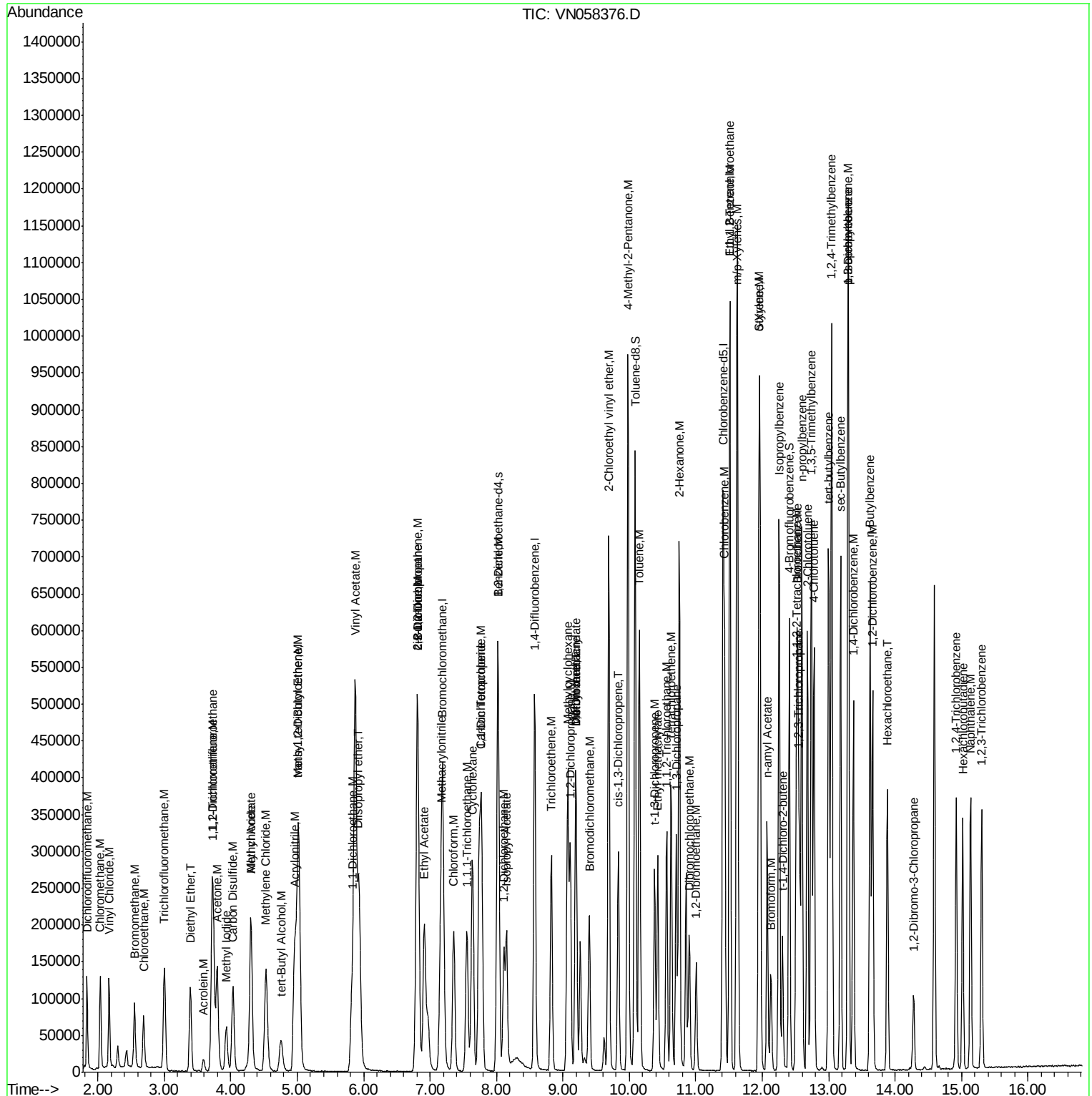
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
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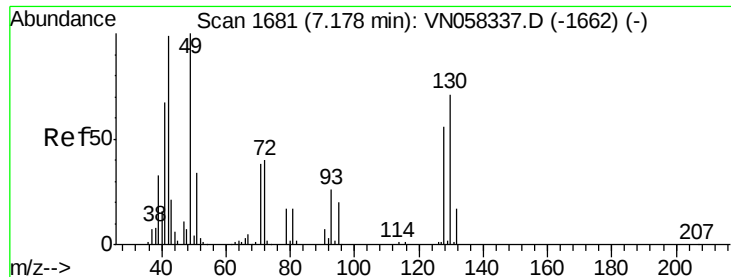
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0926WBS01

Manual Integrations
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 9/27/2019 11:19:03 AM

Quant Time: Sep 27 04:02:00 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

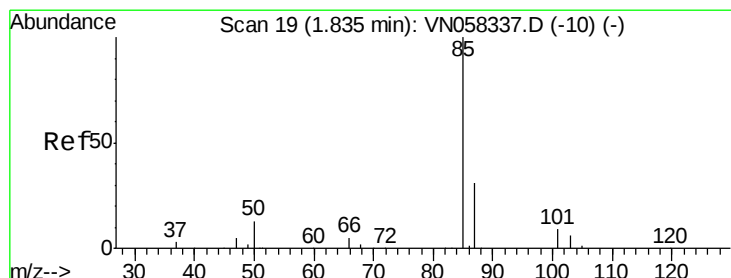
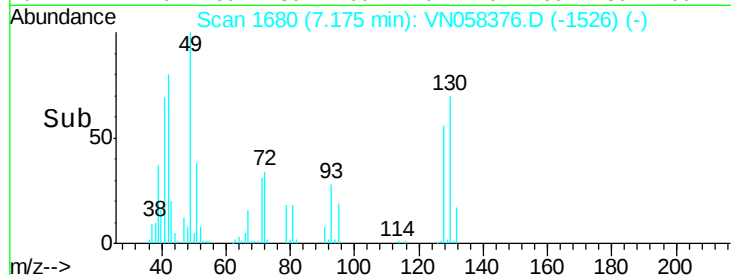
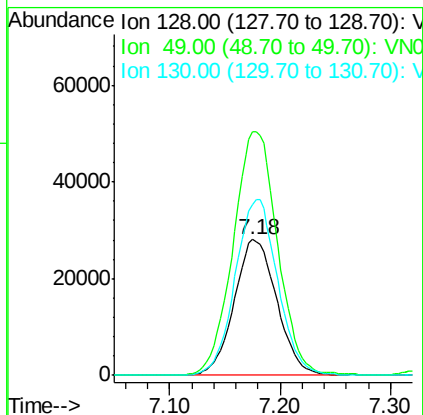
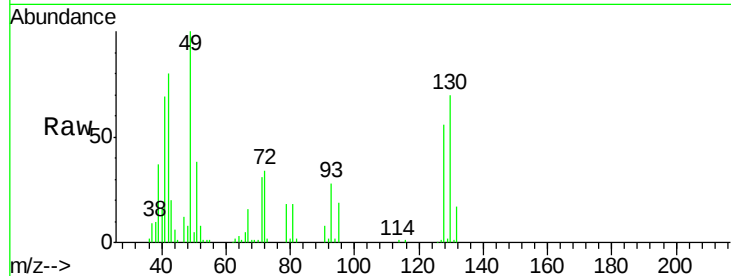
ClientSampleId :

VN0926WBS01

Tot Ion:	128	Resp:	75321
Ion	Ratio	Lower	Upper
128	100		
49	186.0	0.0	458.5
130	128.8	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.144 ug/l

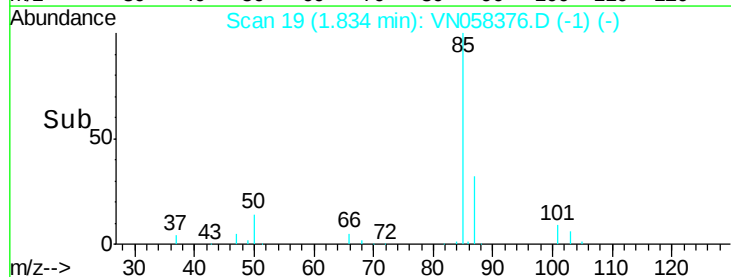
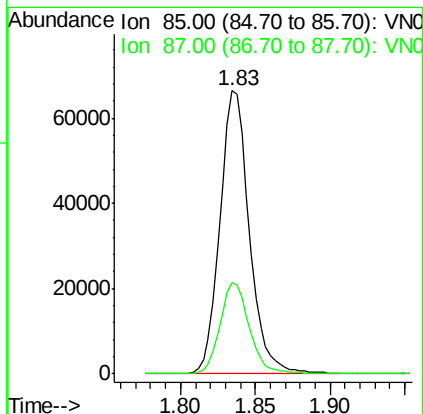
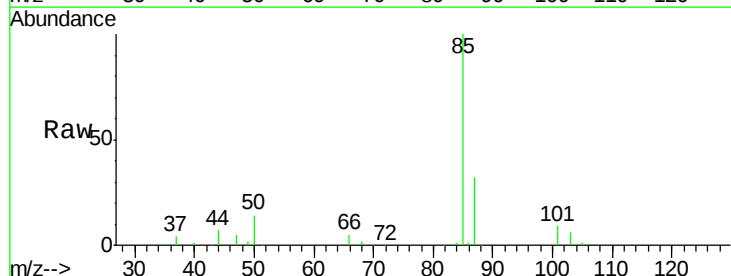
RT: 1.83 min Scan# 19

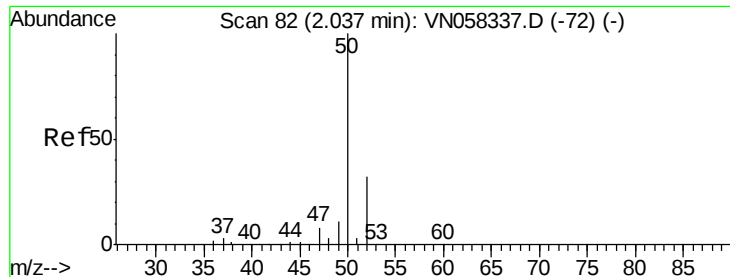
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	85	Resp:	91241
Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.5	46.5





#3

Chloromethane

Concen: 20.526 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS01

Tot Ion: 50 Resp: 107352

Ion Ratio Lower Upper

50 100

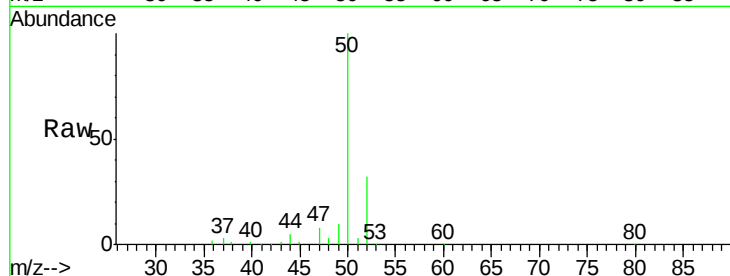
52 31.8 25.9 38.9

Manual Integrations

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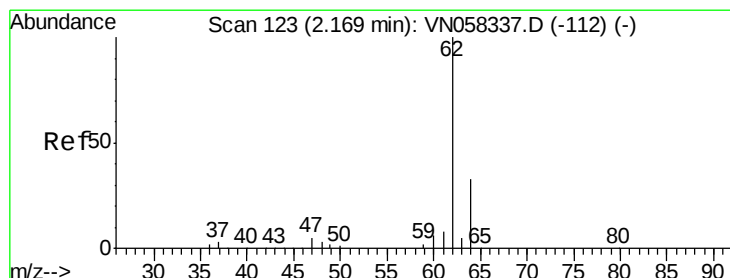
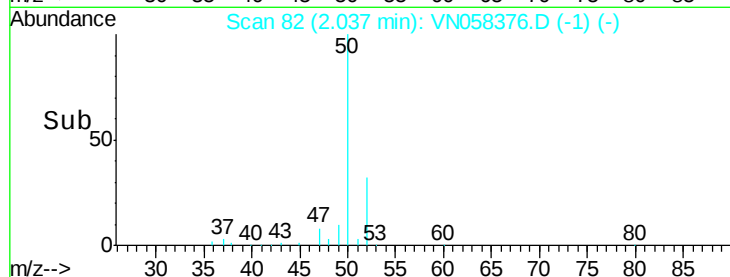
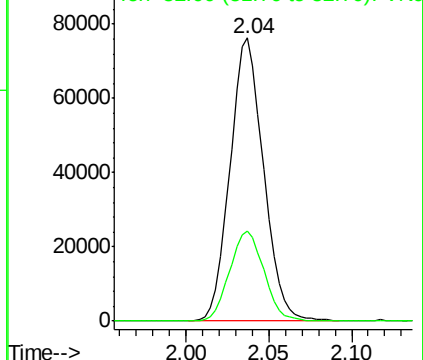
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.346 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058376.D

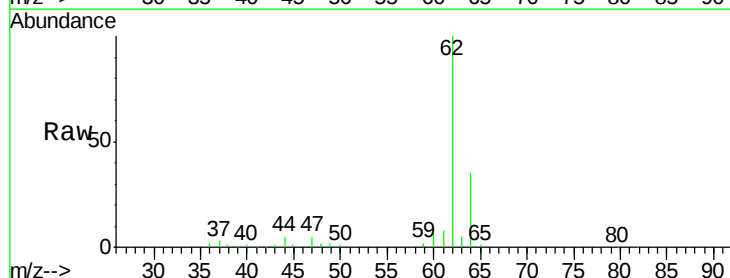
Acq: 26 Sep 2019 11:39

Tgt Ion: 62 Resp: 106179

Ion Ratio Lower Upper

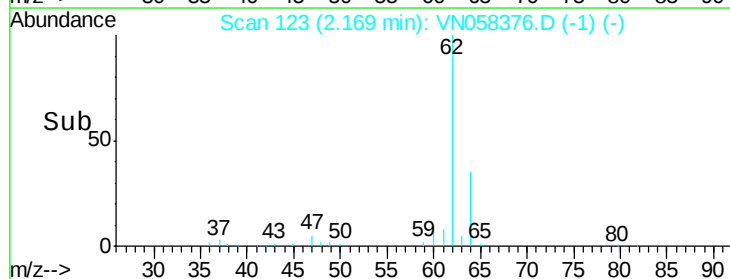
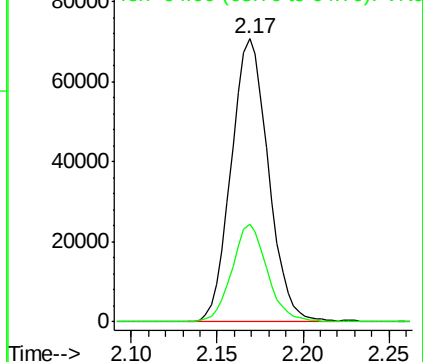
62 100

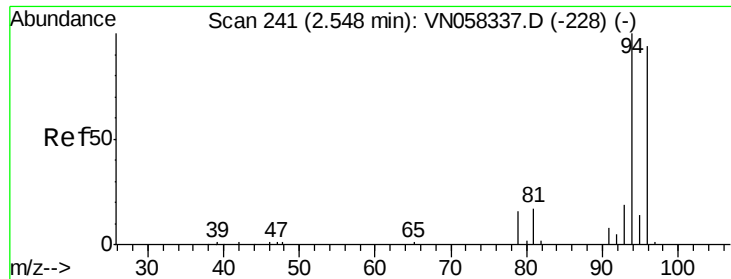
64 34.5 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.400 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0926WBS01

Tot Ion: 94 Resp: 54973

Ion Ratio Lower Upper

94 100

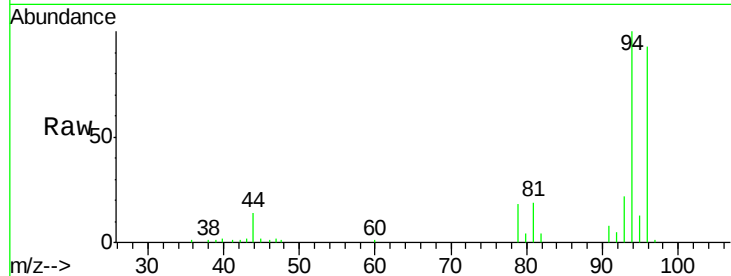
96 92.6 74.8 112.2

Manual Integrations

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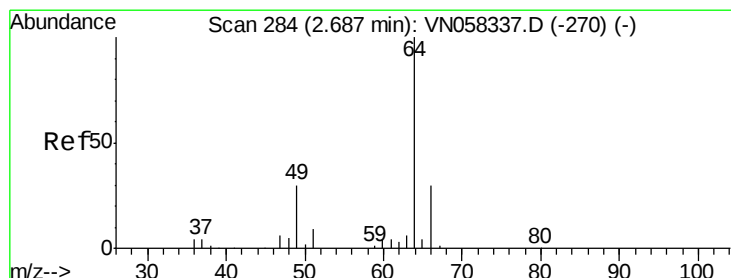
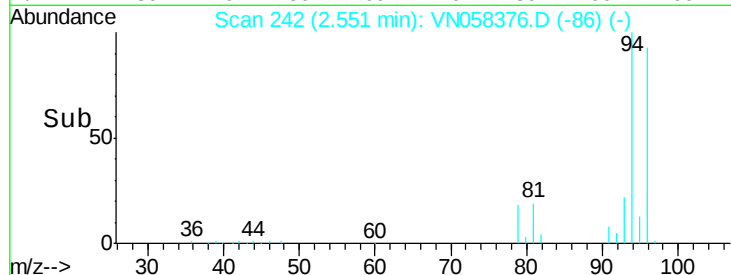
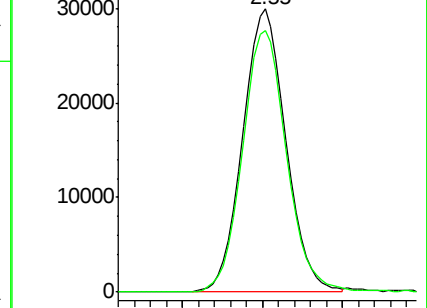
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.394 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN058376.D

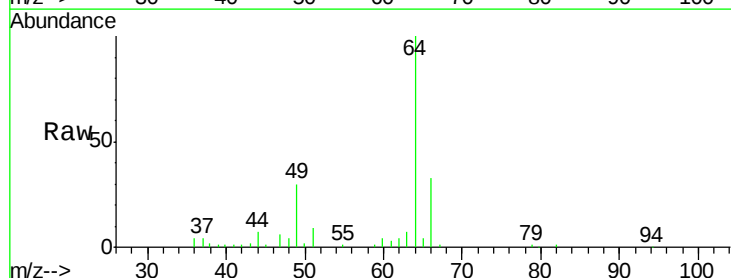
Acq: 26 Sep 2019 11:39

Tgt Ion: 64 Resp: 65983

Ion Ratio Lower Upper

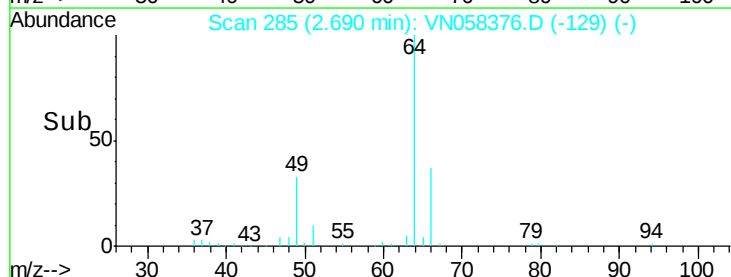
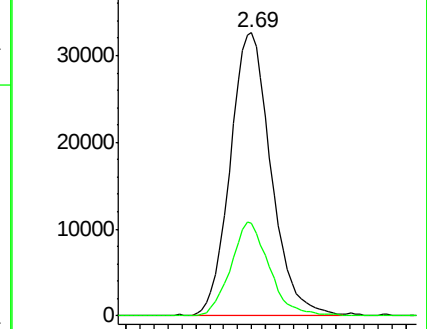
64 100

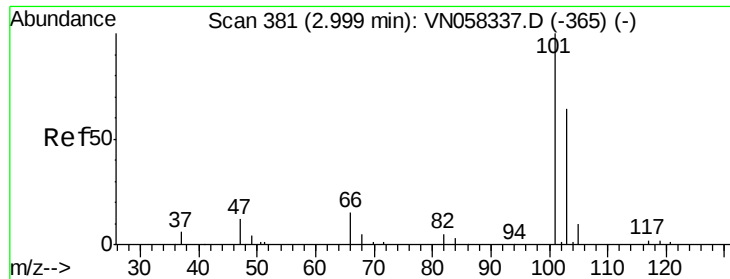
66 32.6 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

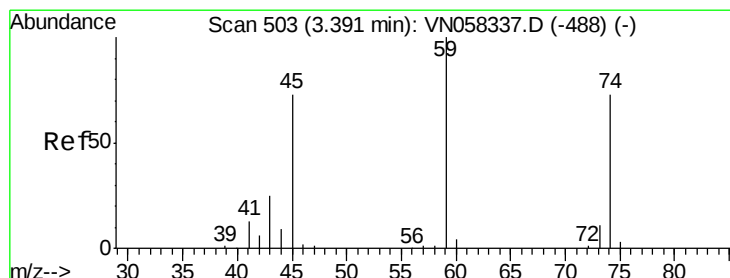
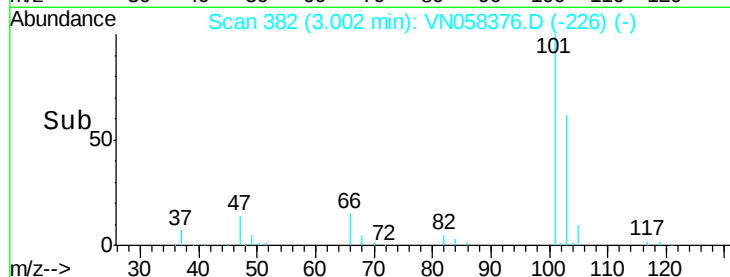
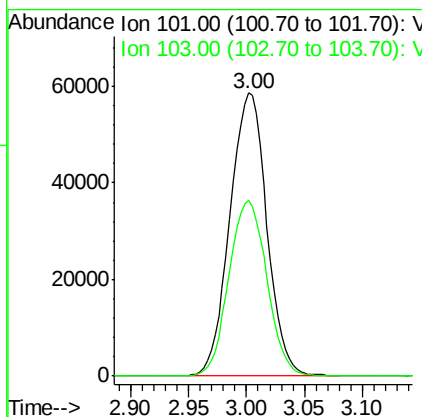
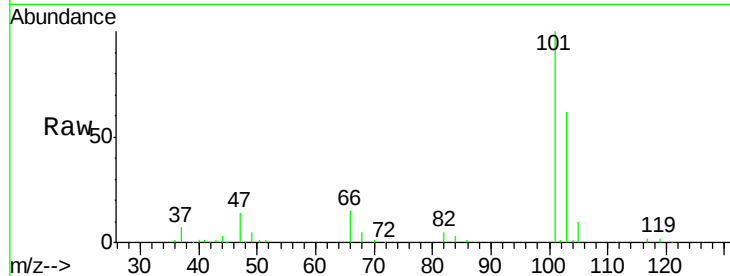
Trichlorofluoromethane
Concen: 21.099 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.5	77.3

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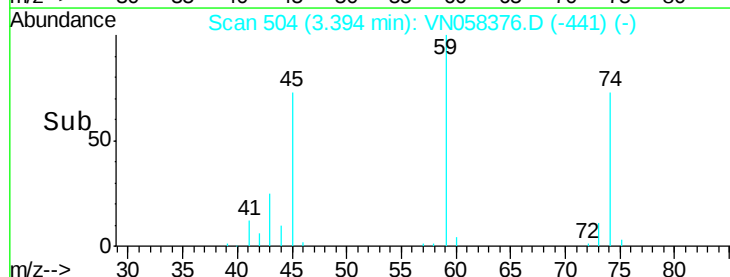
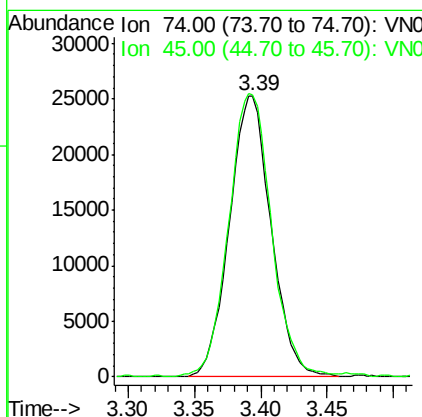
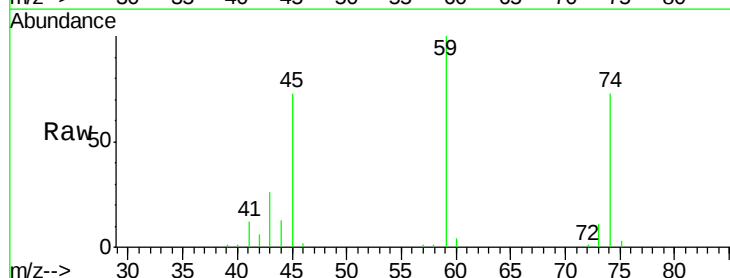
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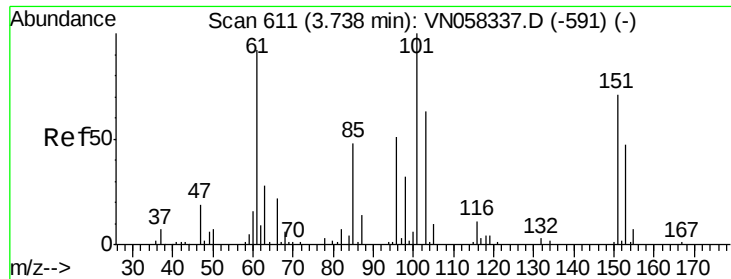


#8

Diethyl Ether
Concen: 20.181 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	20.8	187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.933 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

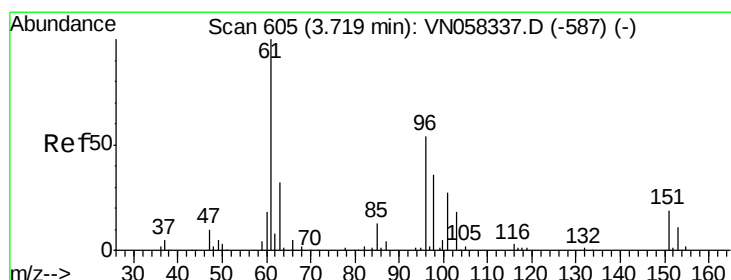
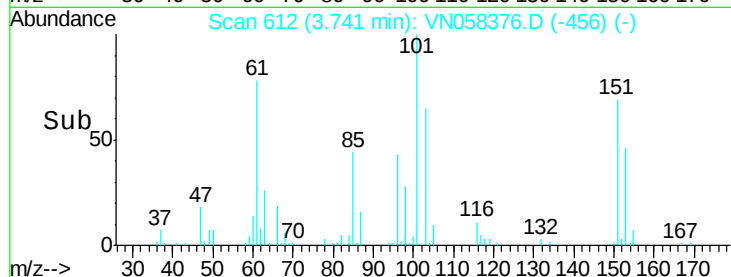
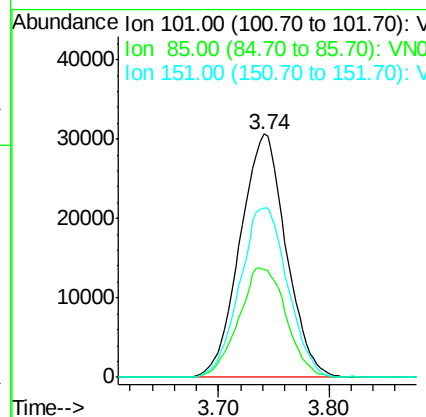
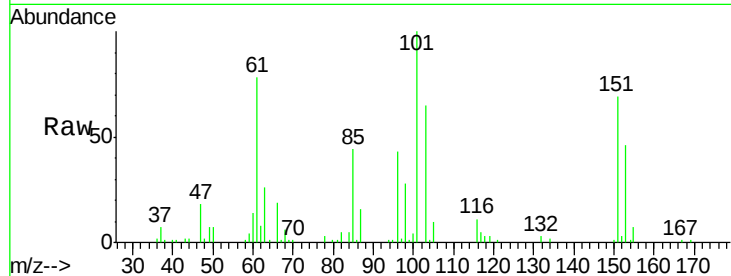
ClientSampleId :

VN0926WBS01

Tot Ion:	101	Resp:	88544
Ion Ratio	Lower	Upper	
101	100		
85	46.4	0.0	93.0
151	72.3	0.0	147.2

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#10

1,1-Dichloroethene

Concen: 20.672 ug/l

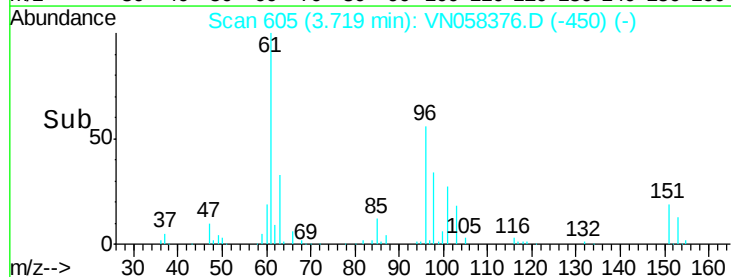
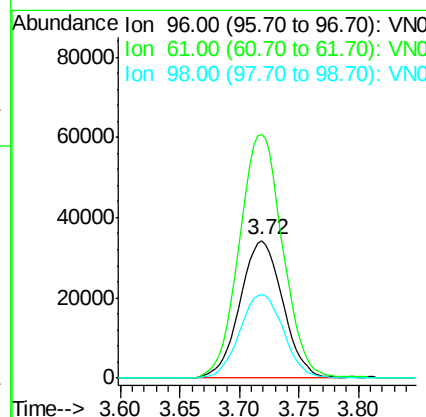
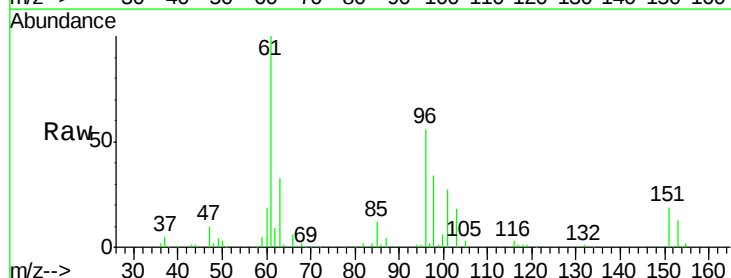
RT: 3.72 min Scan# 605

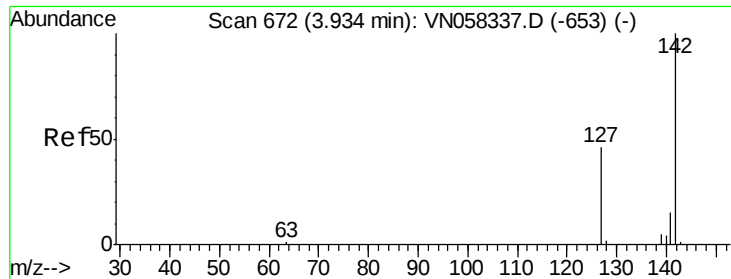
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	96	Resp:	85478
Ion Ratio	Lower	Upper	
96	100		
61	177.0	146.9	220.3
98	60.7	52.3	78.5





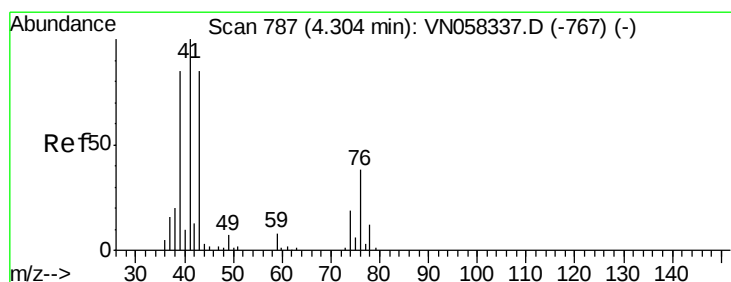
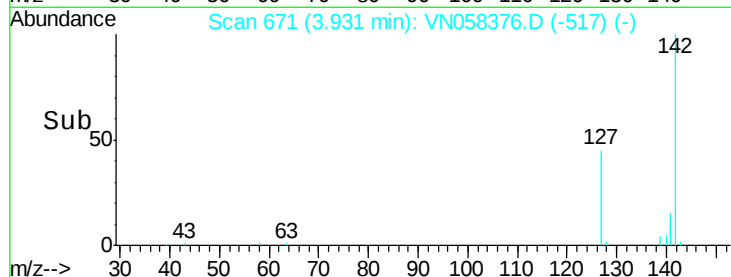
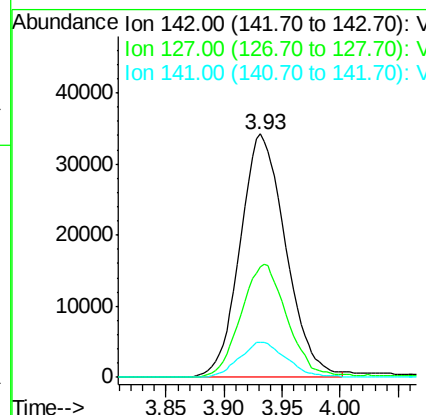
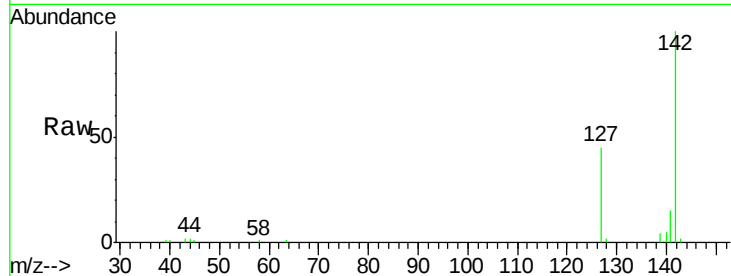
#11
Methvl Iodide
Concen: 22.119 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.2	22.9	68.7
141	14.8	7.4	22.3

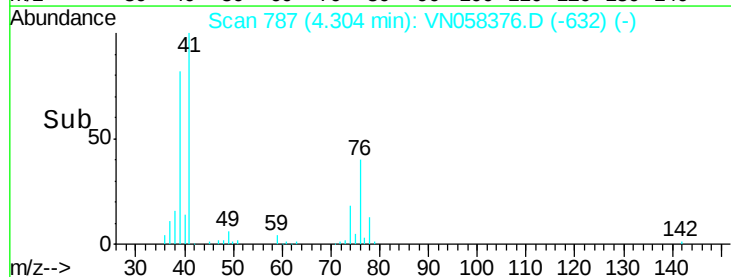
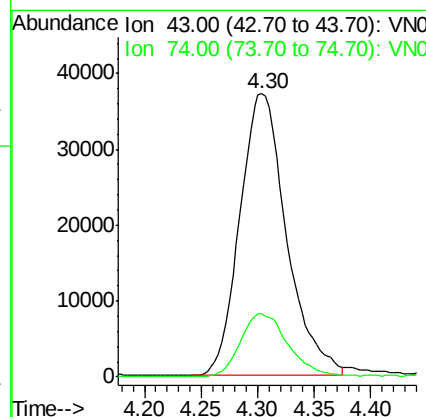
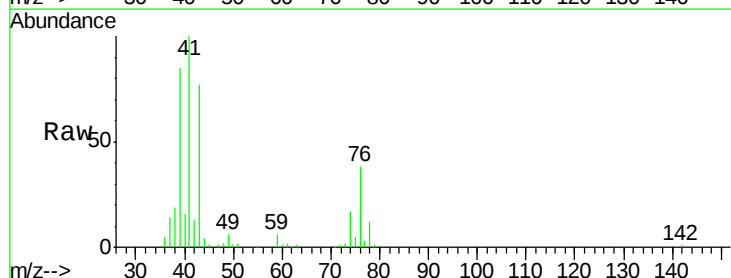
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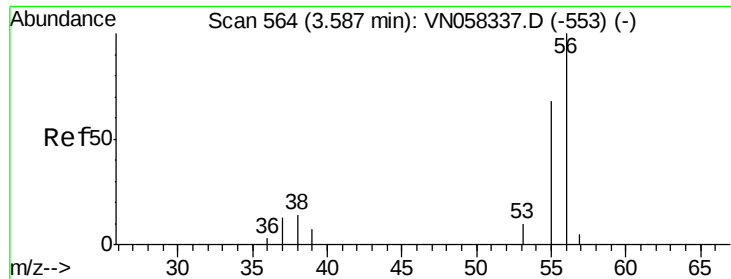
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9/27/2019 11:19:03 AM



#12
Methyl Acetate
Concen: 19.379 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.8	26.6





#13

Acrolein

Concen: 109.419 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS01

Tot Ion: 56 Resp: 17135

Ion Ratio Lower Upper

56 100

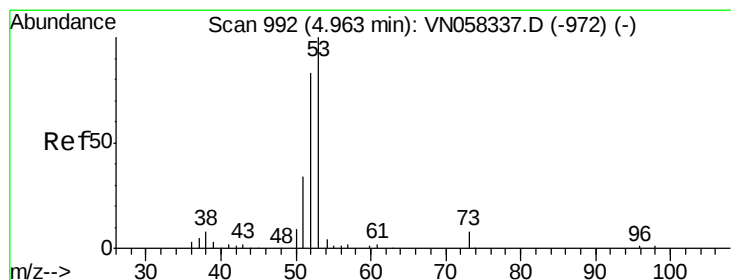
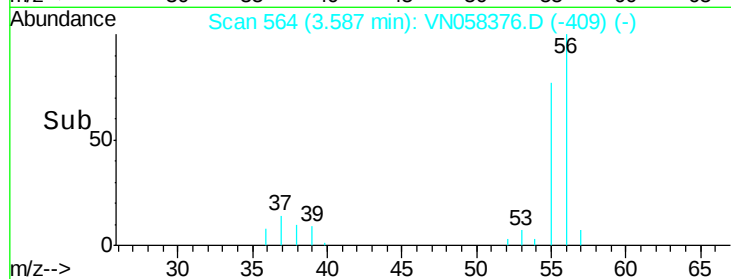
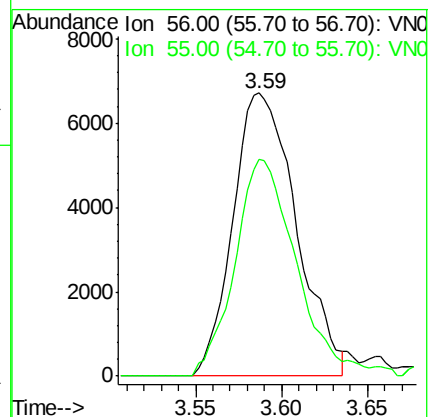
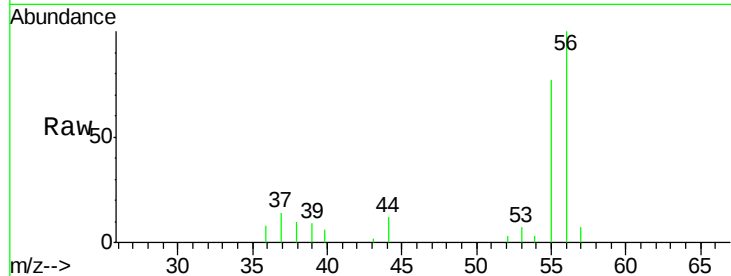
55 72.2 58.4 87.6

Manual Integrations

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#14

Acrylonitrile

Concen: 99.685 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

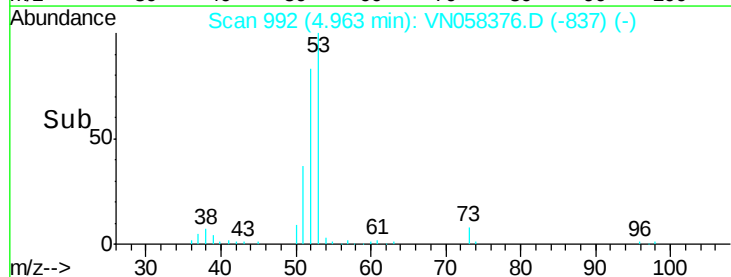
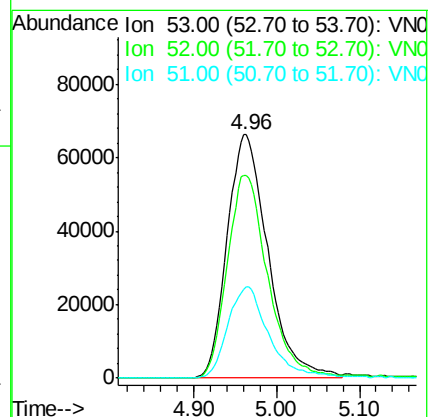
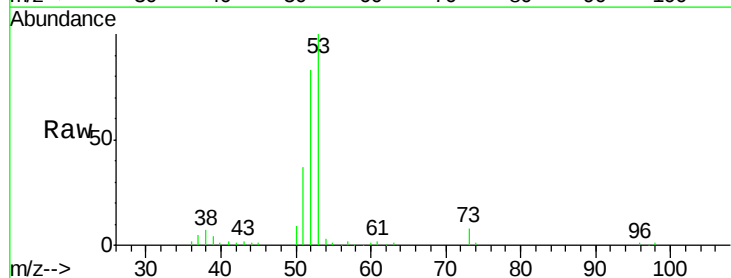
Tgt Ion: 53 Resp: 226678

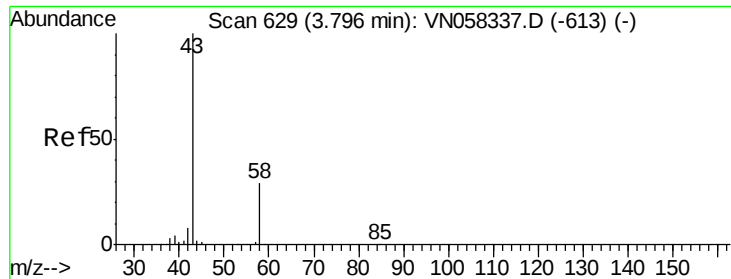
Ion Ratio Lower Upper

53 100

52 82.6 41.3 123.7

51 37.6 18.3 54.8





#15

Acetone

Concen: 104.353 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS01

Tot Ion: 58 Resp: 65795

Ion Ratio Lower Upper

58 100

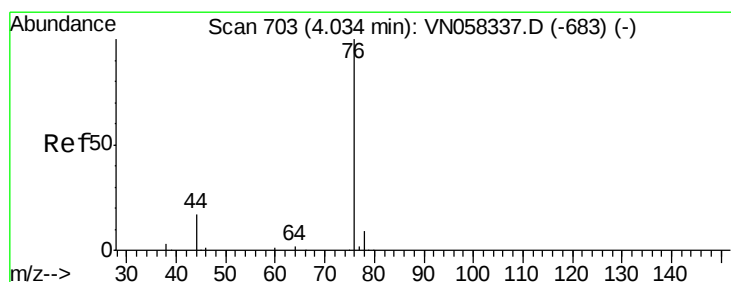
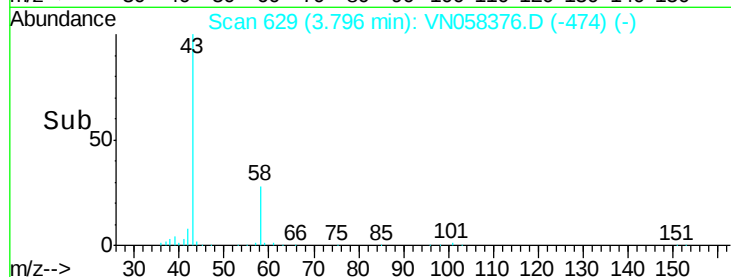
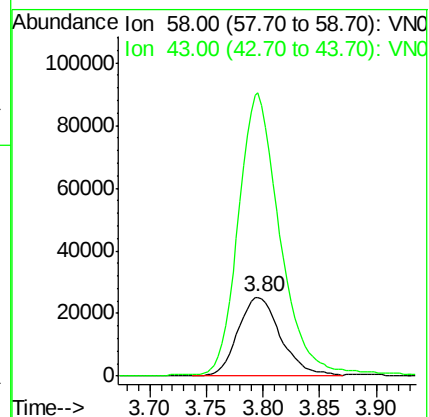
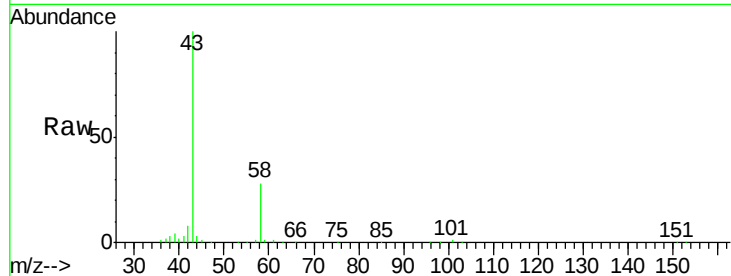
43 357.8 272.6 409.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.427 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN058376.D

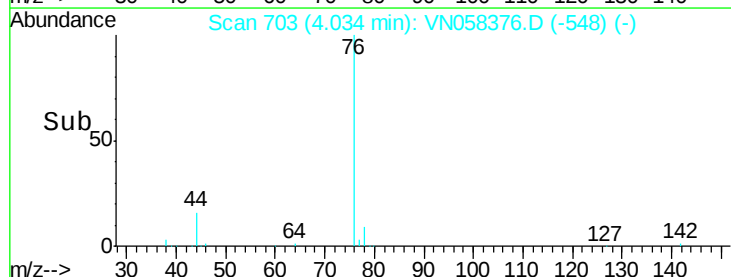
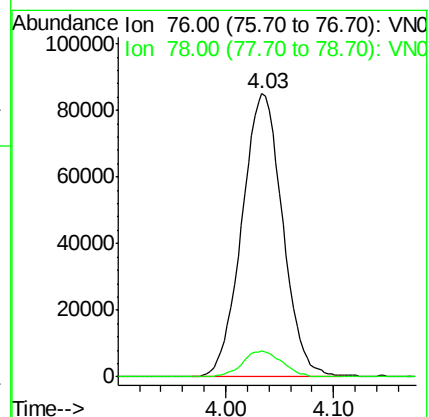
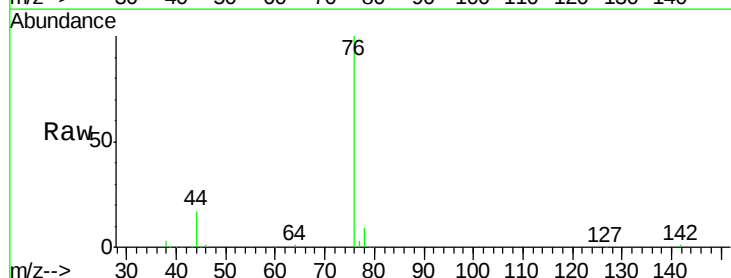
Acq: 26 Sep 2019 11:39

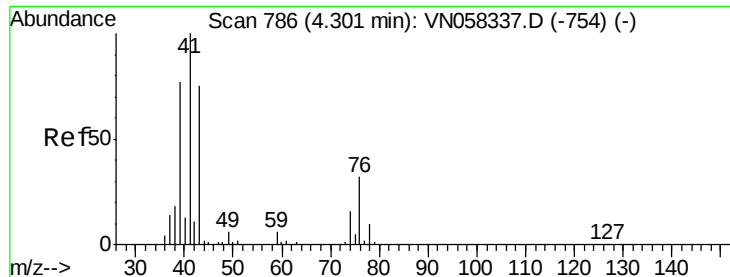
Tgt Ion: 76 Resp: 223231

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





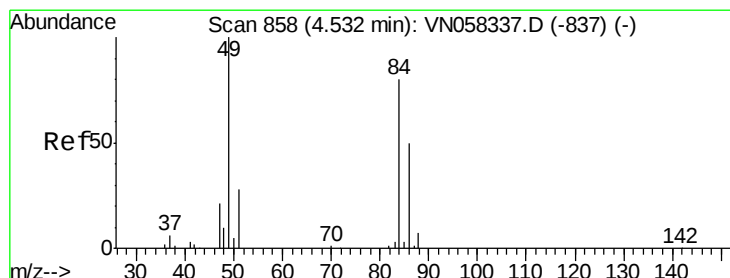
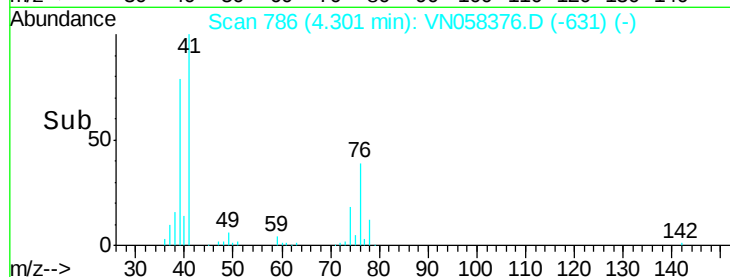
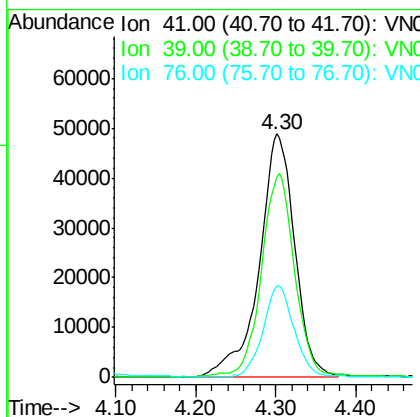
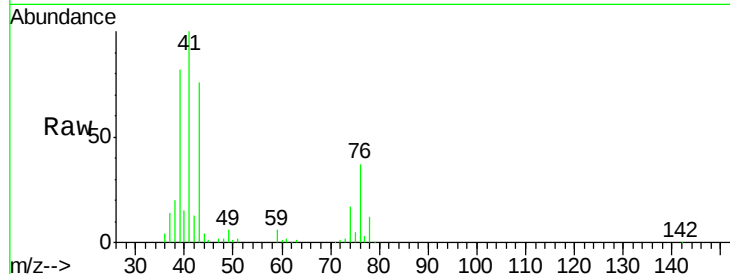
#17
Allvl chloride
Concen: 19.481 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion:	41	Resp:	150459
Ion	Ratio	Lower	Upper
41	100		
39	82.3	38.7	116.1
76	37.1	16.4	49.1

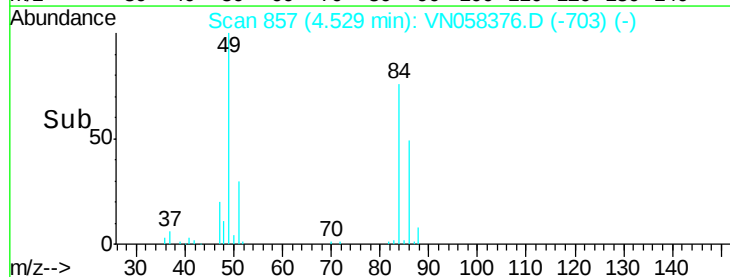
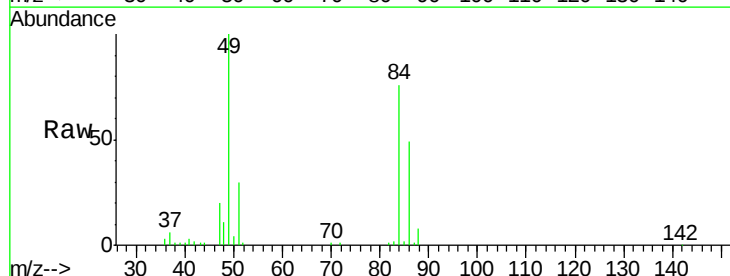
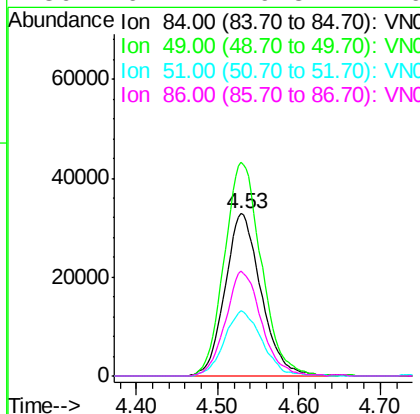
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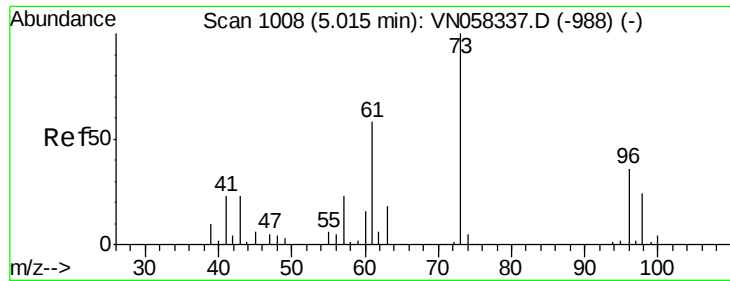
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#18
Methylene Chloride
Concen: 20.849 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion:	84	Resp:	101699
Ion	Ratio	Lower	Upper
84	100		
49	131.5	99.8	149.6
51	40.1	28.3	42.5
86	64.4	49.8	74.6





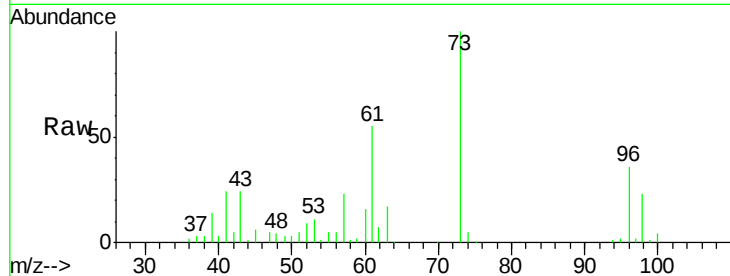
#19
trans-1,2-Dichloroethene
Concen: 20.290 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.6	128.0	192.0
98	63.8	53.0	79.6

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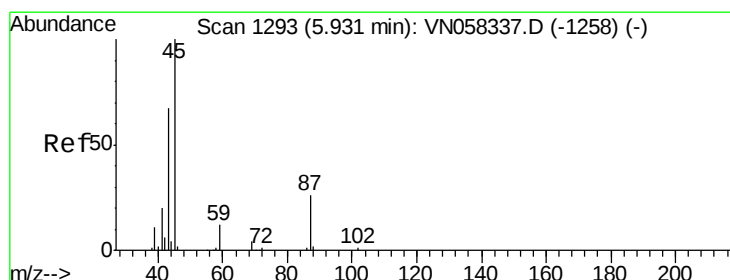
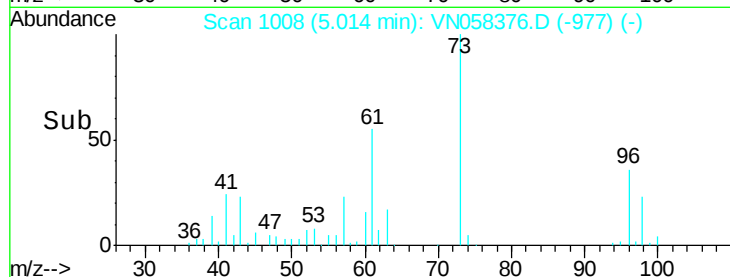
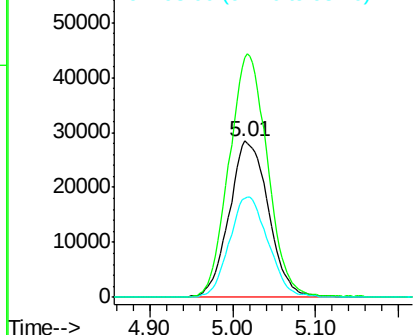


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 20.164 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.1	81.1
87	25.5	21.4	32.2
59	10.2	9.3	13.9

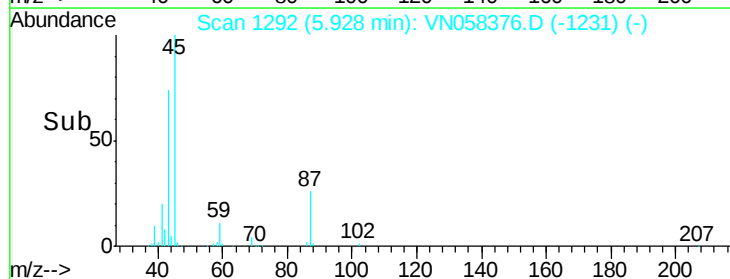
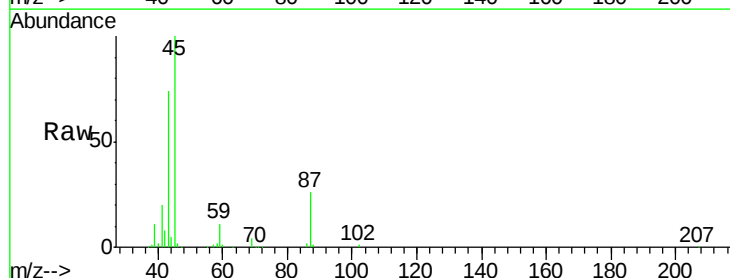
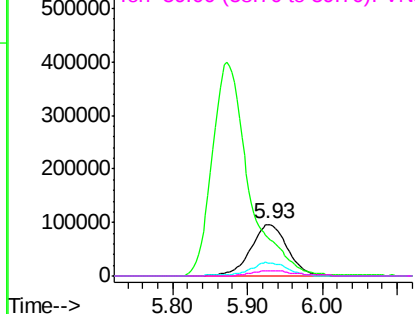
Abundance

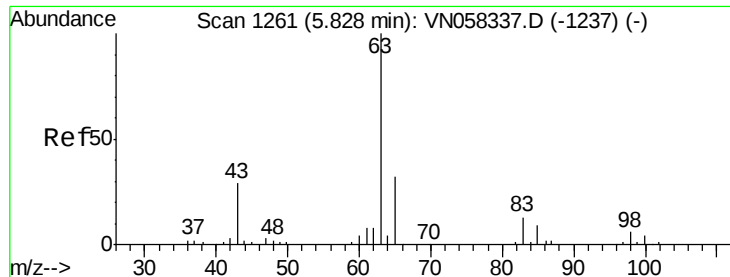
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.290 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

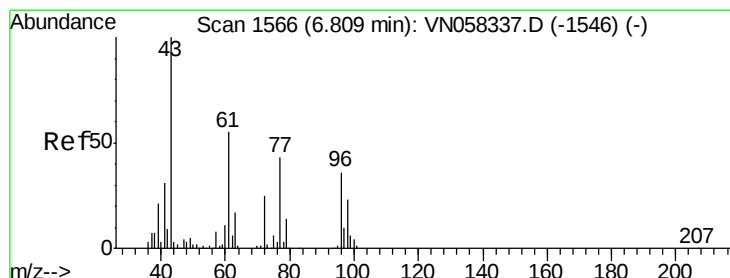
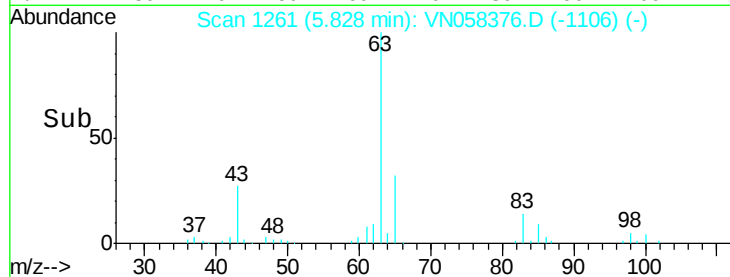
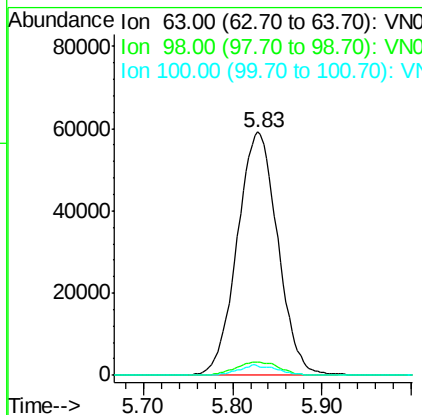
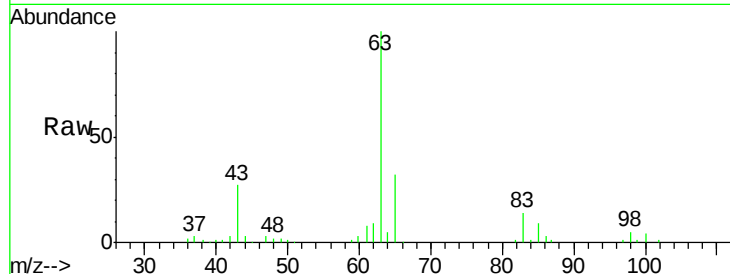
ClientSampleId :

VN0926WBS01

Tot Ion:	63	Resp:	186857
Ion Ratio		Lower	Upper
63	100		
98	5.4	3.0	9.2
100	4.0	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 20.578 ug/l

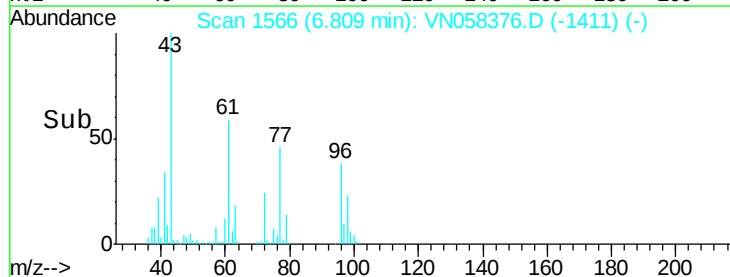
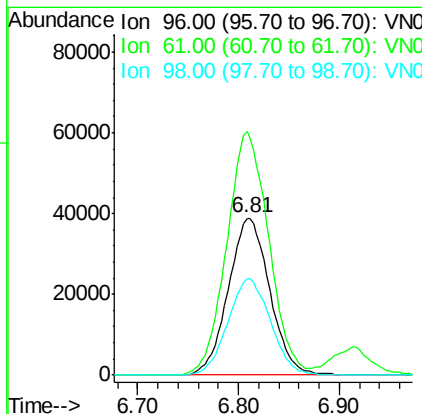
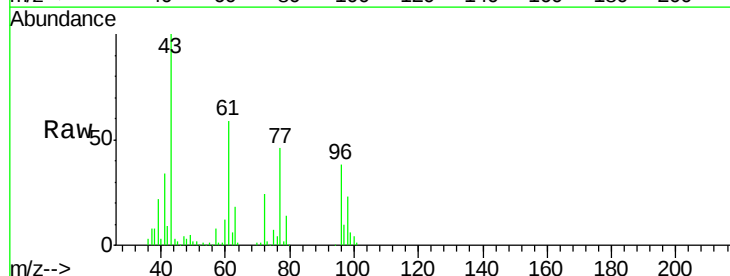
RT: 6.81 min Scan# 1566

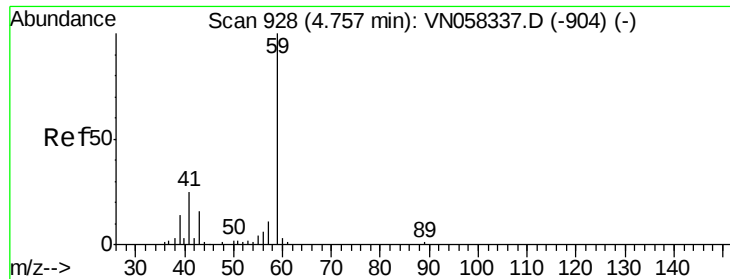
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	96	Resp:	110801
Ion Ratio		Lower	Upper
96	100		
61	157.3	128.2	192.2
98	63.2	50.6	76.0





#23

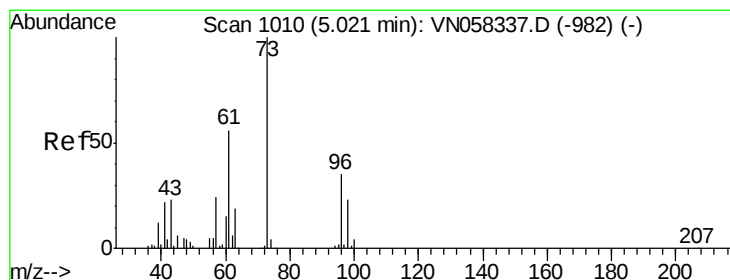
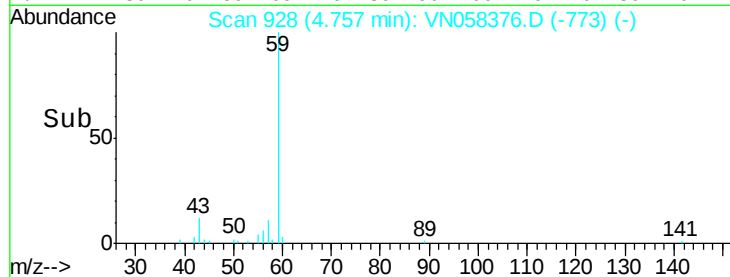
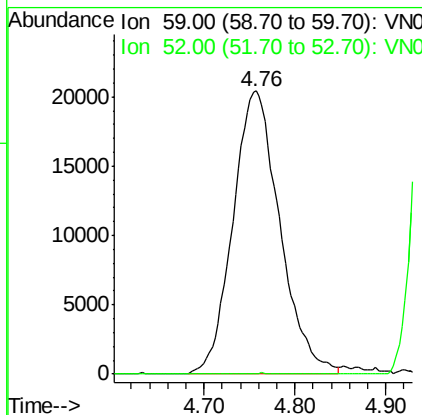
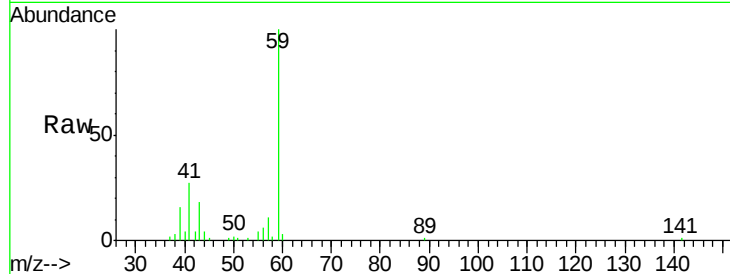
tert-Butyl Alcohol
 Concen: 87.218 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

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

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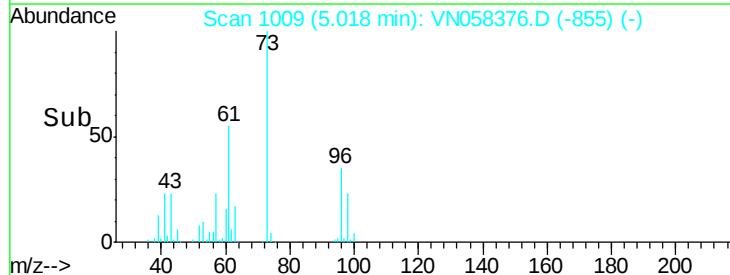
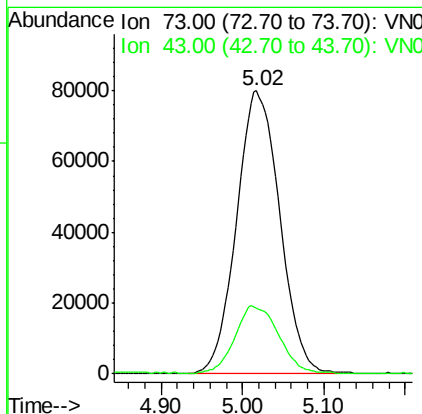
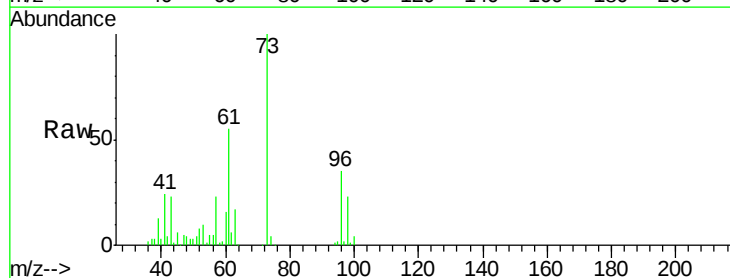
MMDadoda
 9/27/2019 11:19:03 AM

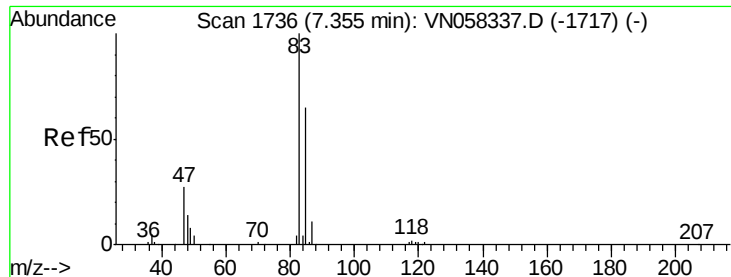


#24

Methyl tert-Butyl Ether
 Concen: 19.841 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	24.6	18.4	27.6	





#25

Chloroform

Concen: 20.567 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS01

Tot Ion: 83 Resp: 191786

Ion Ratio Lower Upper

83 100

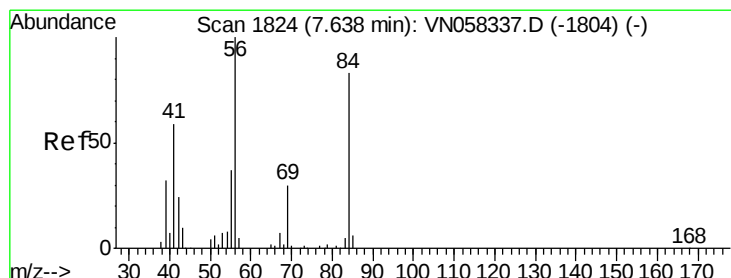
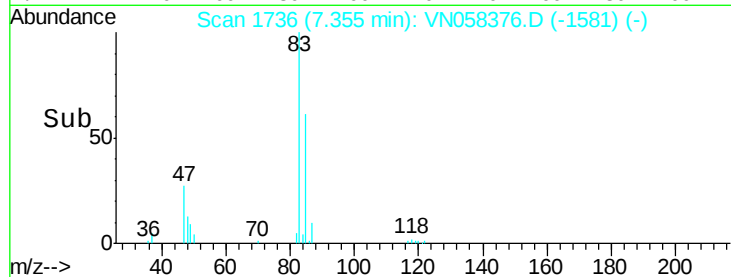
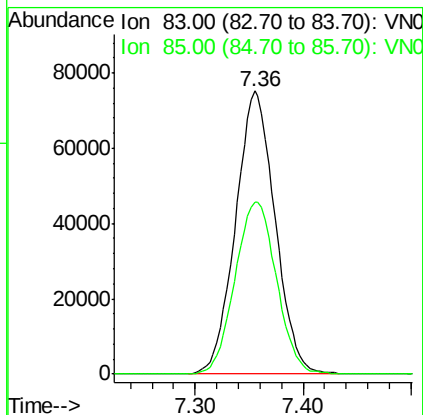
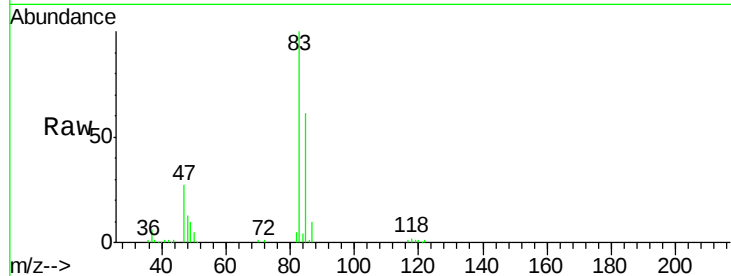
85 60.7 51.8 77.6

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#26

Cyclohexane

Concen: 19.963 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

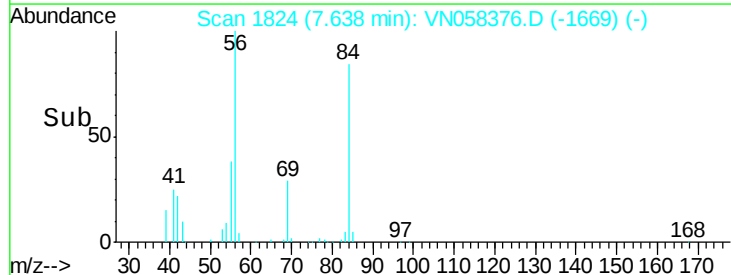
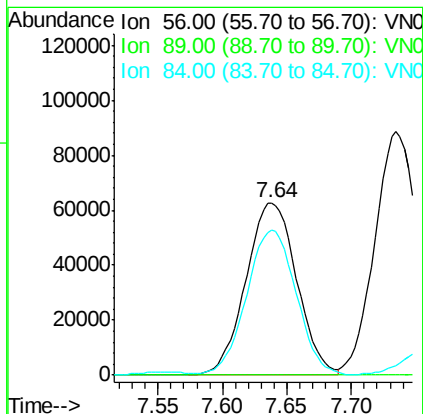
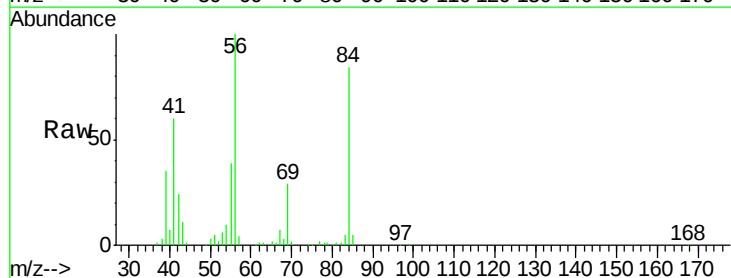
Tgt Ion: 56 Resp: 171831

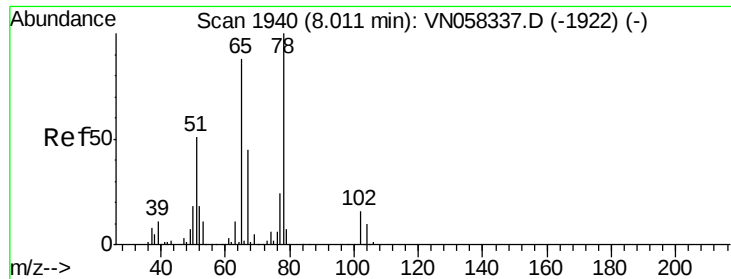
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 81.2 66.9 100.3





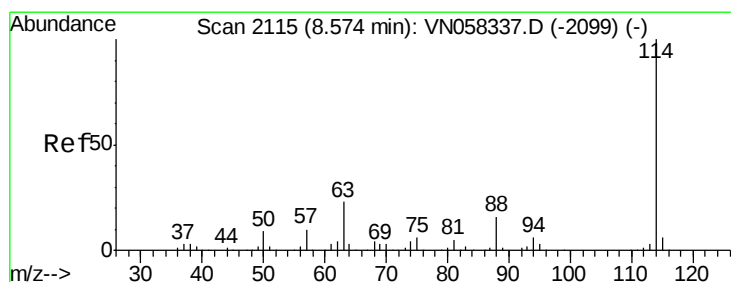
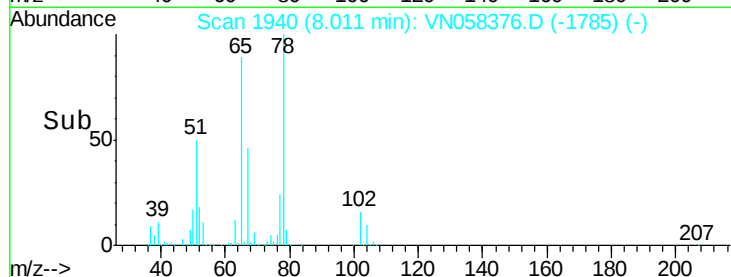
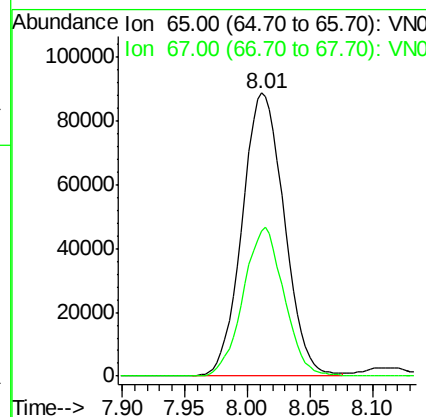
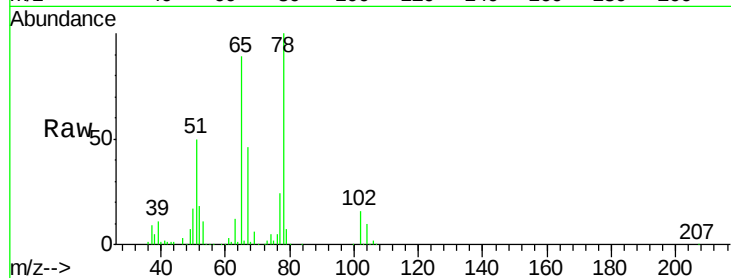
#27
 1,2-Dichloroethane-d4
 Concen: 31.195 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Tot Ion: 65 Resp: 207704
 Ion Ratio Lower Upper
 65 100
 67 50.8 40.4 60.6

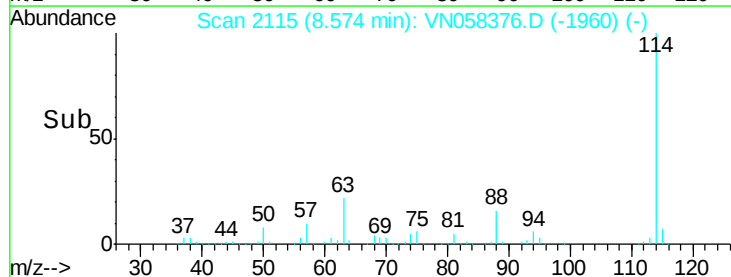
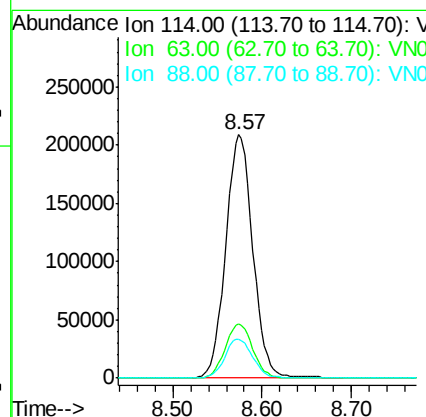
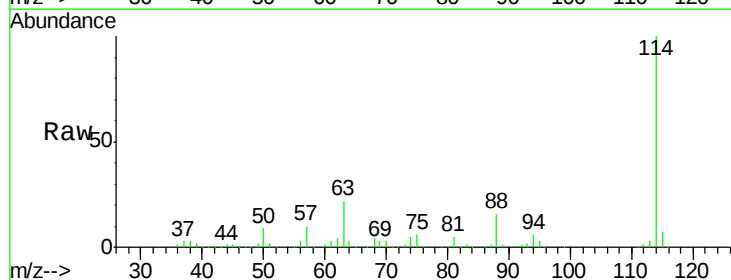
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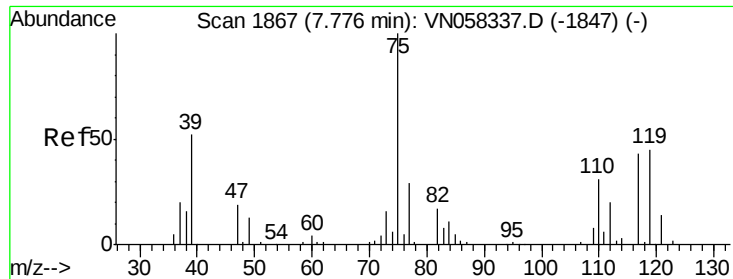
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion: 114 Resp: 438784
 Ion Ratio Lower Upper
 114 100
 63 22.6 17.8 26.8
 88 16.4 12.7 19.1





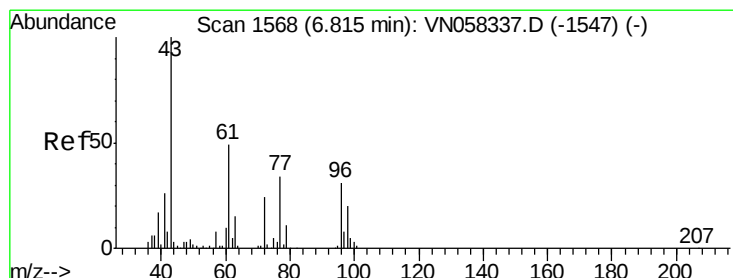
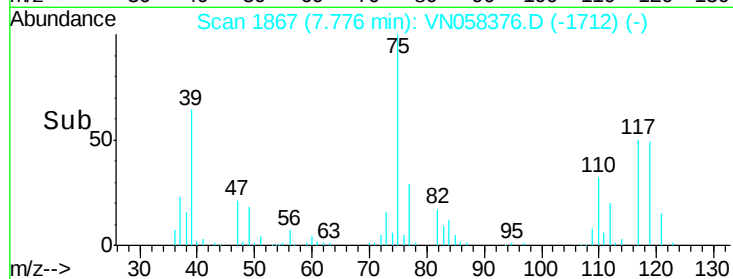
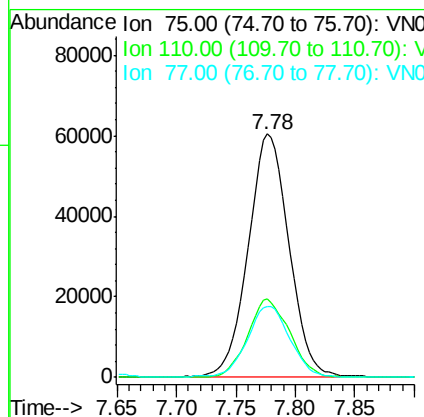
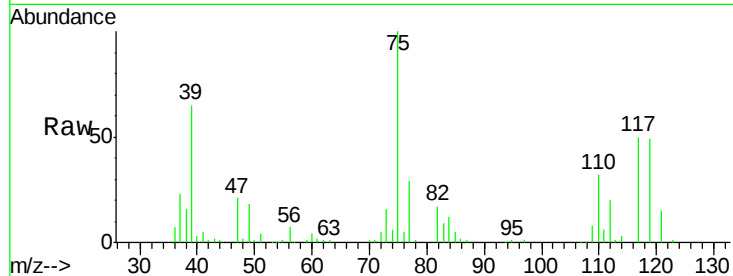
#29
 1,1-Dichloropropene
 Concen: 19.946 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.1	0.0	63.6
77	30.3	0.0	59.4

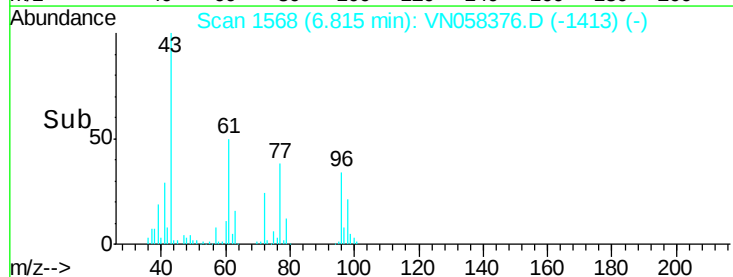
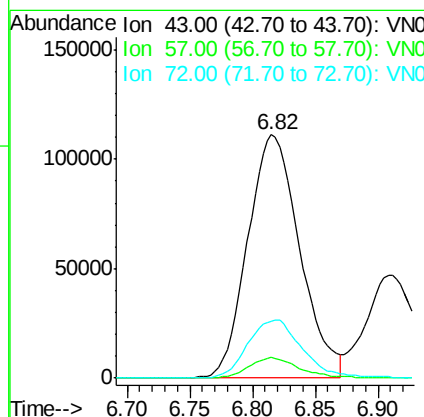
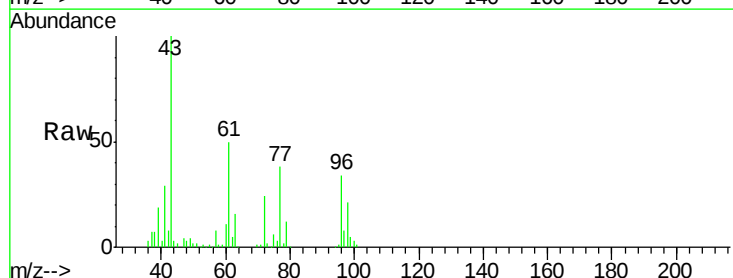
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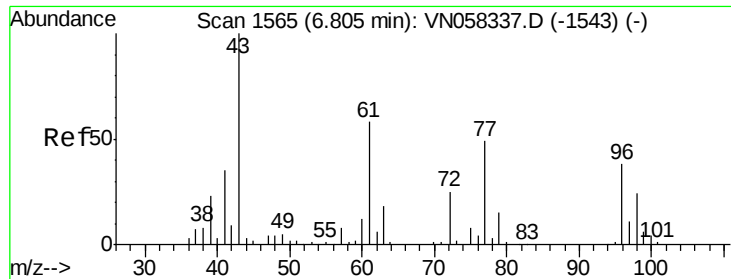
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#30
 2-Butanone
 Concen: 98.003 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.2	9.4
72	25.3	20.3	30.5





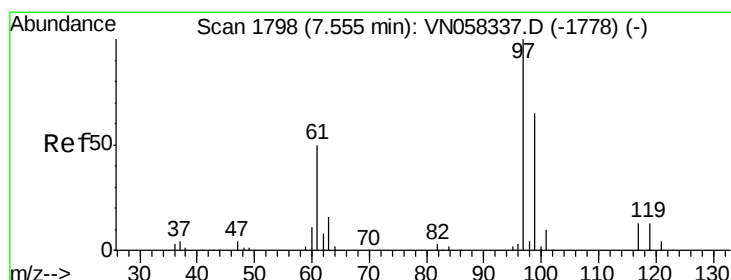
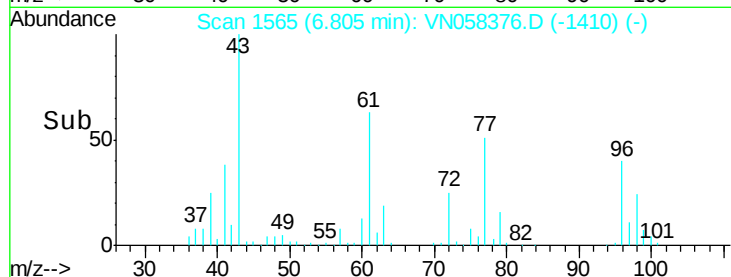
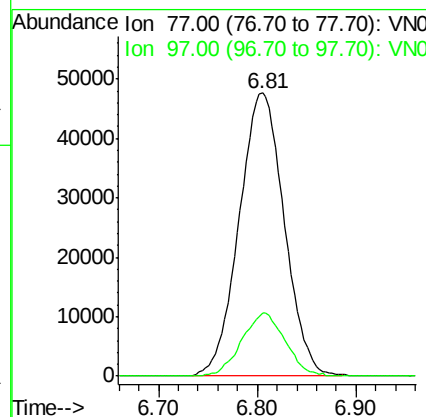
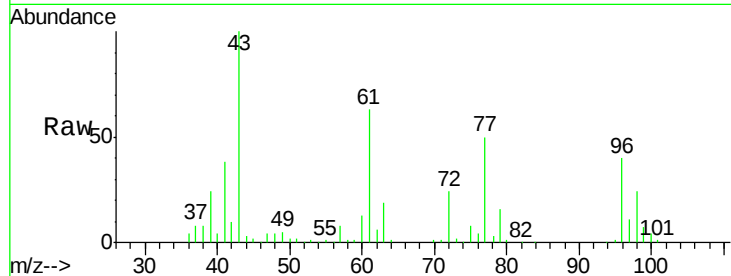
#31
 2,2-Dichloropropane
 Concen: 20.500 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBS01

Tot Ion: 77 Resp: 151160
 Ion Ratio Lower Upper
 77 100
 97 21.3 17.6 26.4

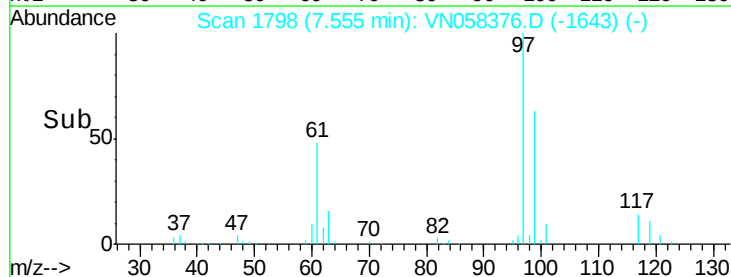
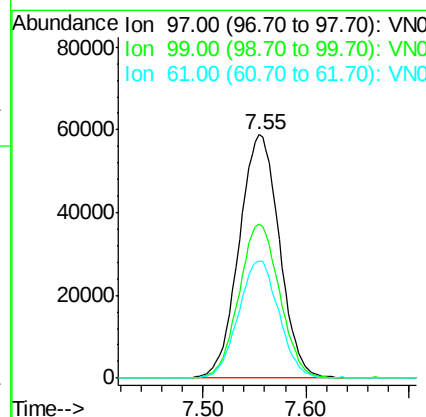
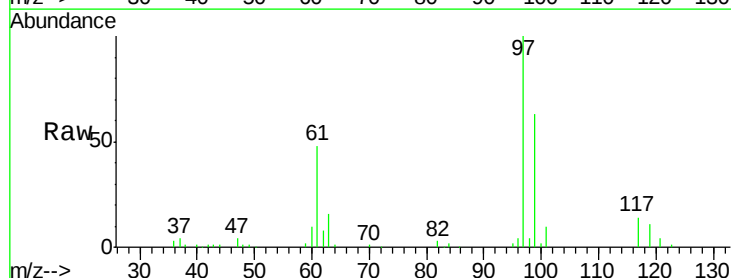
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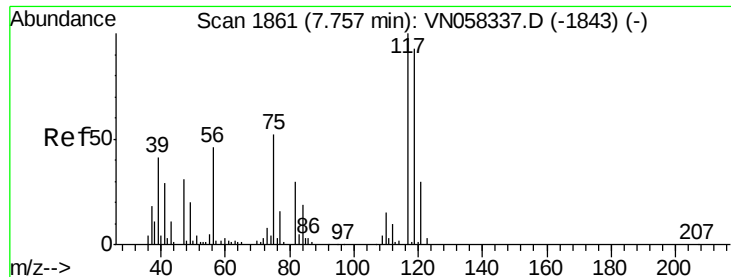
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#32
 1,1,1-Trichloroethane
 Concen: 20.689 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion: 97 Resp: 159828
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.8 77.6
 61 48.3 39.4 59.2





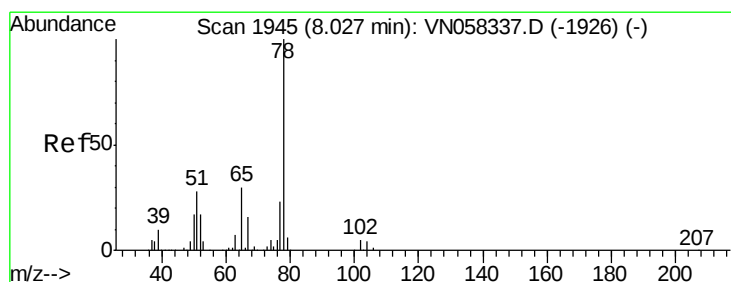
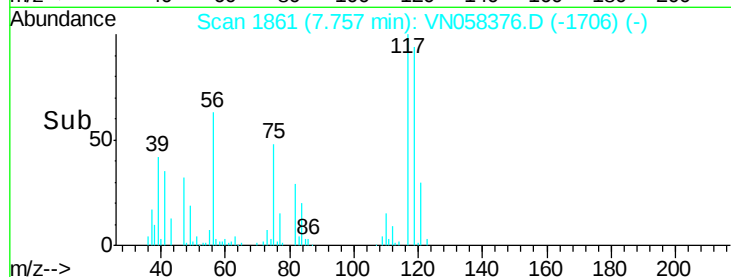
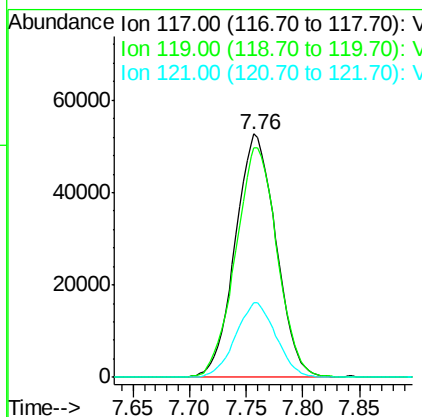
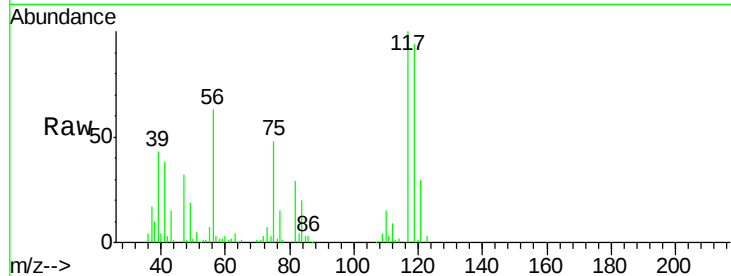
#33
Carbon Tetrachloride
Concen: 20.136 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.2	111.4
121	30.5	23.9	35.9

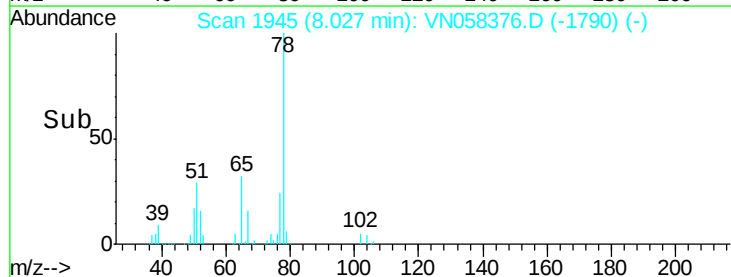
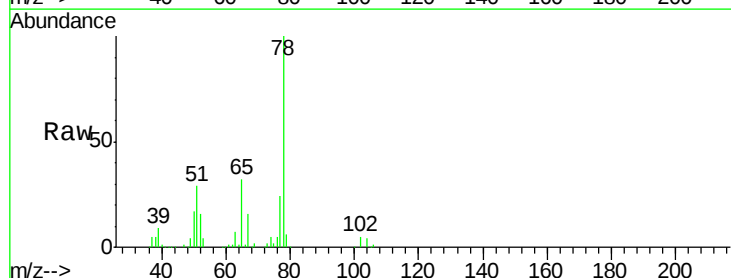
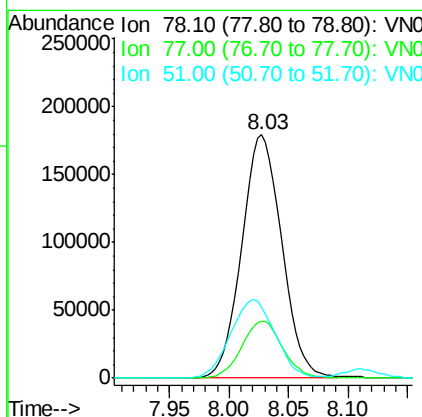
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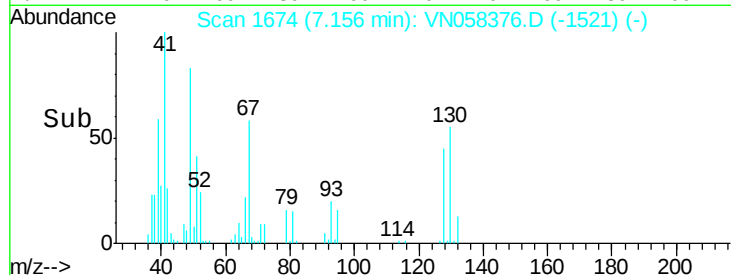
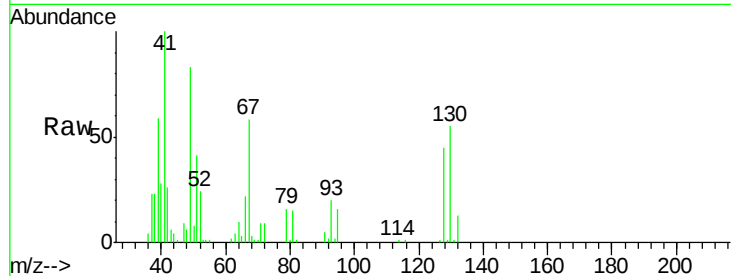
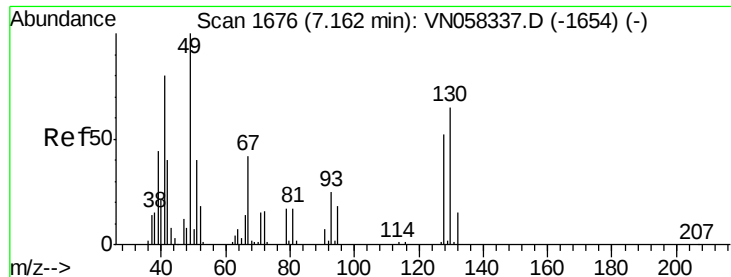
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9/27/2019 11:19:03 AM



#34
Benzene
Concen: 20.632 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

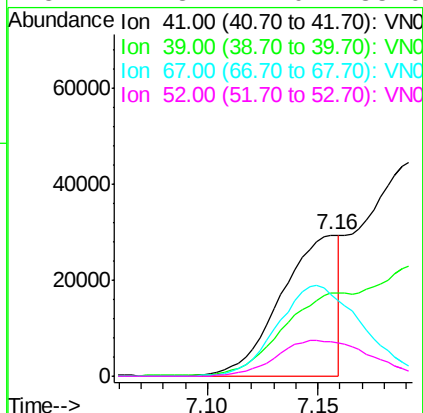
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2
51	29.0	22.4	33.6





#35
Methacrylonitrile
Concen: 19.035 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

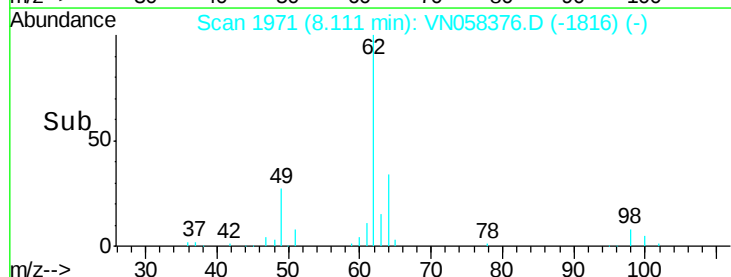
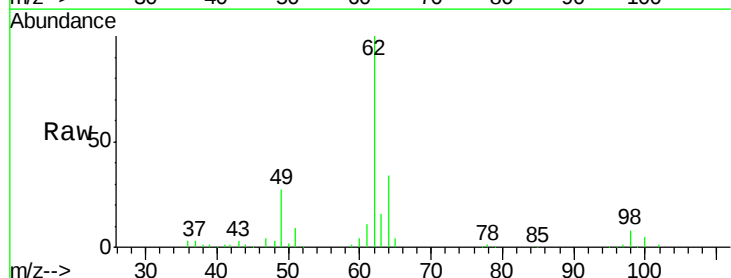
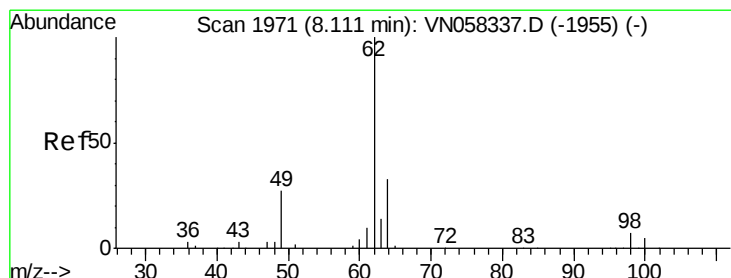
Tot Ion	41	Resp	53246
Ion	Ratio	Lower	Upper
41	100		
39	58.3	27.3	81.9
67	58.1	26.3	78.9
52	24.3	11.0	33.0



Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

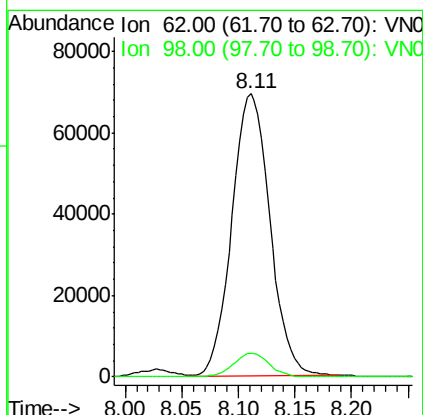
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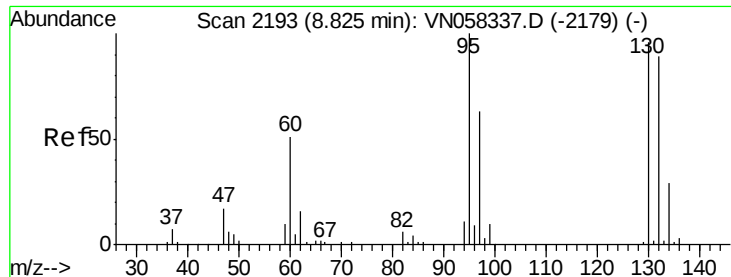
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#36
1,2-Dichloroethane
Concen: 20.460 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	62	Resp	162845
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.0	9.0





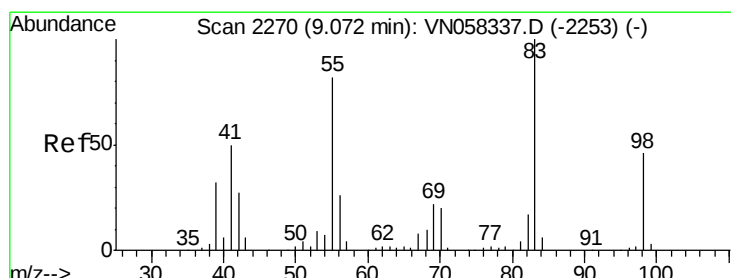
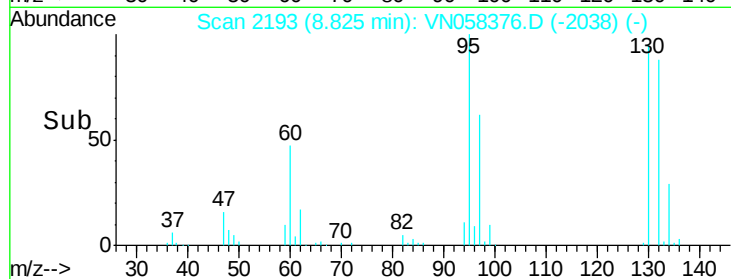
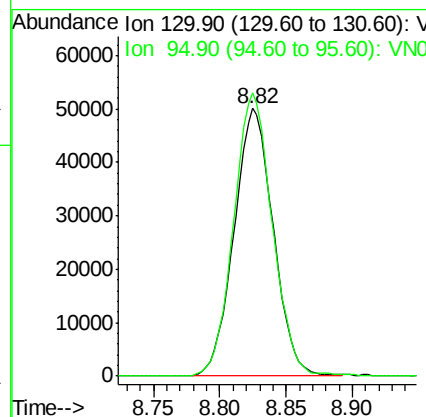
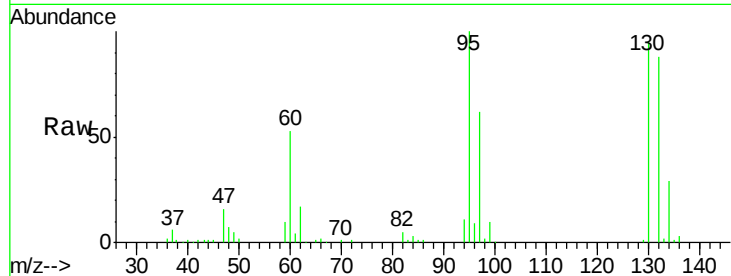
#37
 Trichloroethene
 Concen: 20.232 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Tot Ion:130 Resp: 102914
 Ion Ratio Lower Upper
 130 100
 95 105.4 83.3 124.9

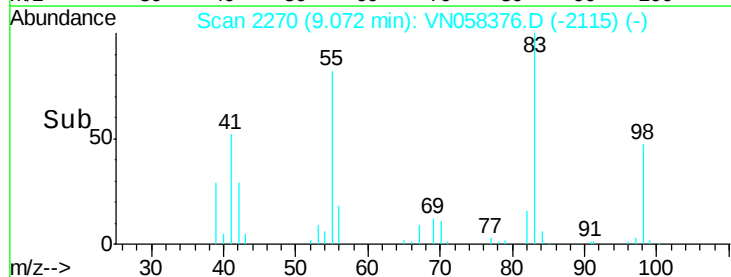
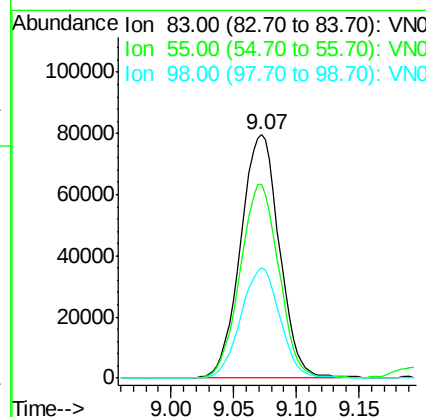
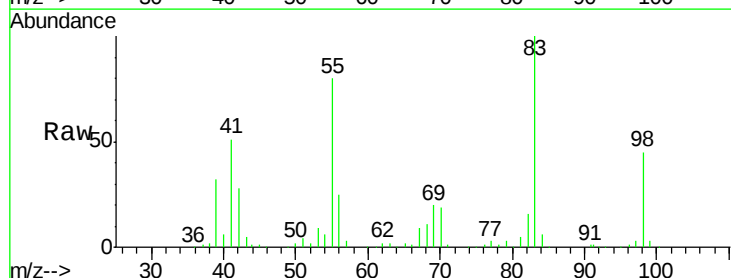
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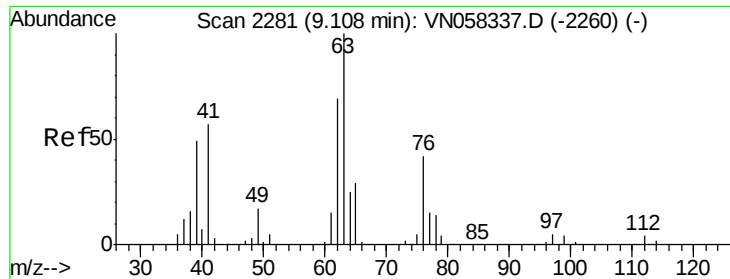
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#38
 Methylcyclohexane
 Concen: 19.801 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion: 83 Resp: 171493
 Ion Ratio Lower Upper
 83 100
 55 79.3 40.5 121.4
 98 45.5 23.1 69.2





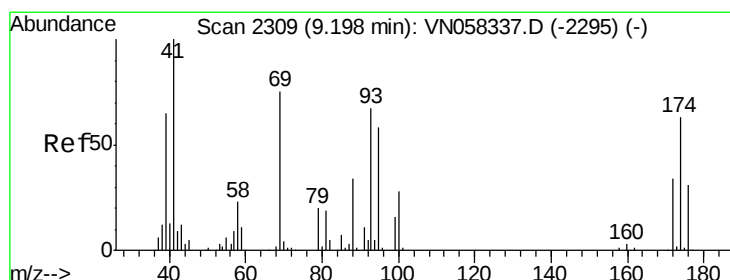
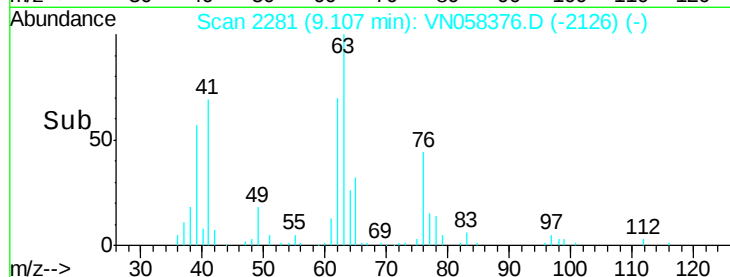
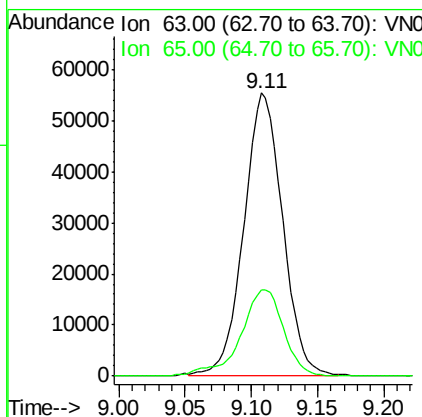
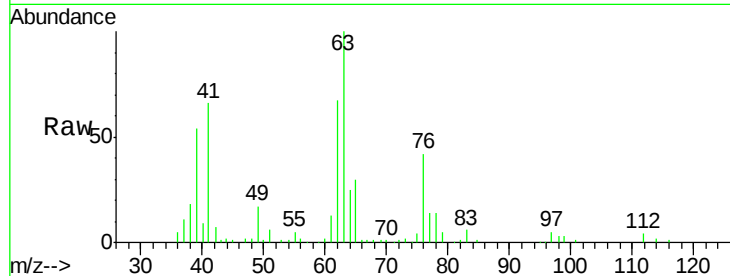
#39
 1,2-Dichloropropane
 Concen: 20.366 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Tot Ion: 63 Resp: 112874
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.4 35.0

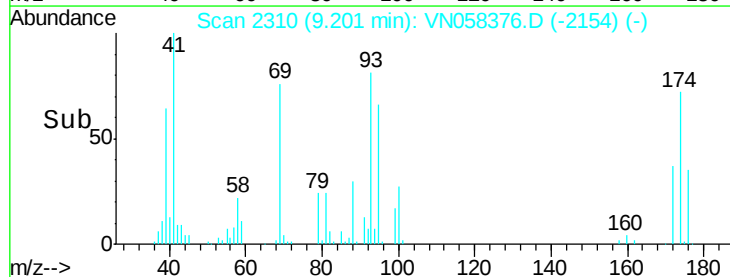
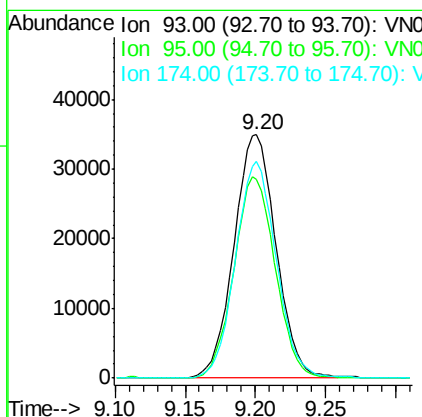
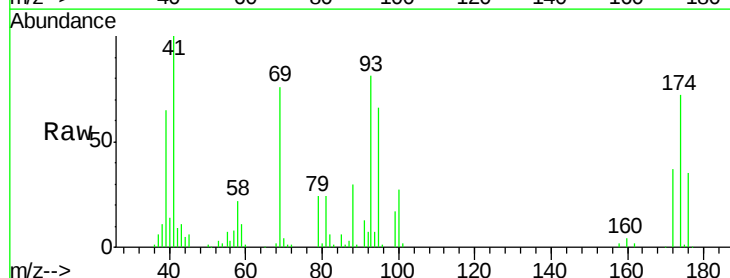
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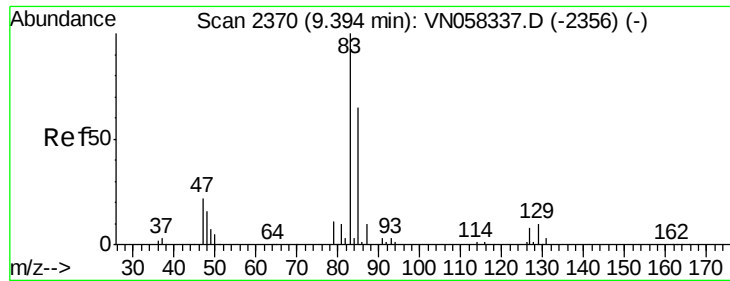
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#40
 Dibromomethane
 Concen: 20.876 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion: 93 Resp: 73022
 Ion Ratio Lower Upper
 93 100
 95 81.3 0.0 166.8
 174 86.4 0.0 187.2





#41

Bromodichloromethane

Concen: 19.999 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

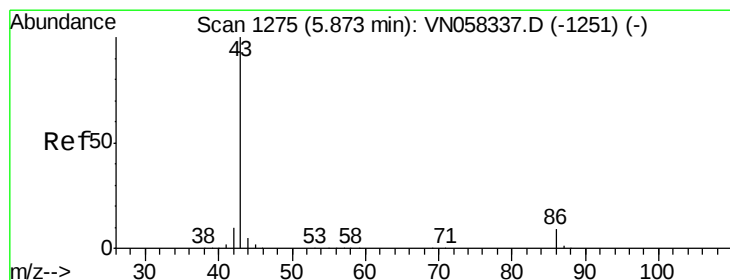
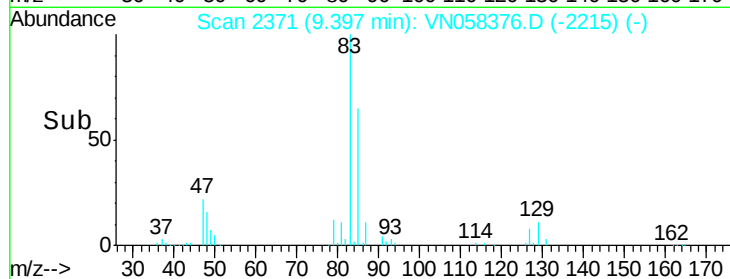
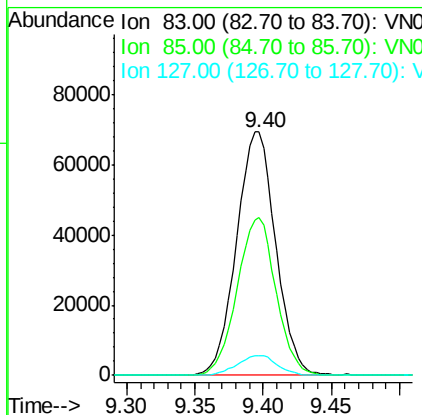
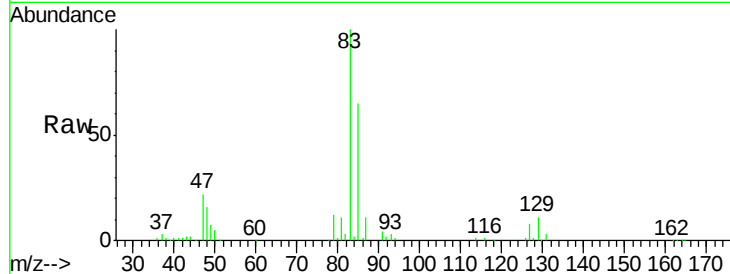
ClientSampleId :

VN0926WBS01

Tot Ion:	83	Resp:	138266
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.0	78.0
127	7.9	6.1	9.1

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#42

Vinyl Acetate

Concen: 109.141 ug/l

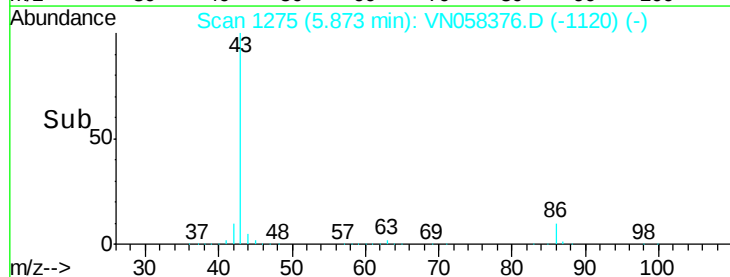
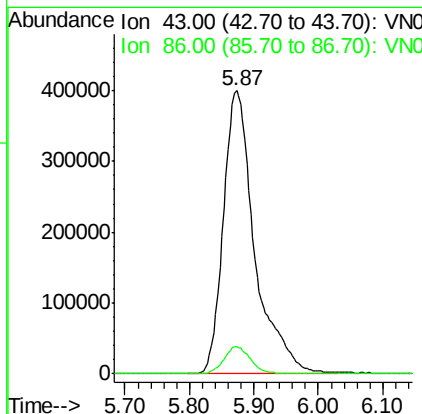
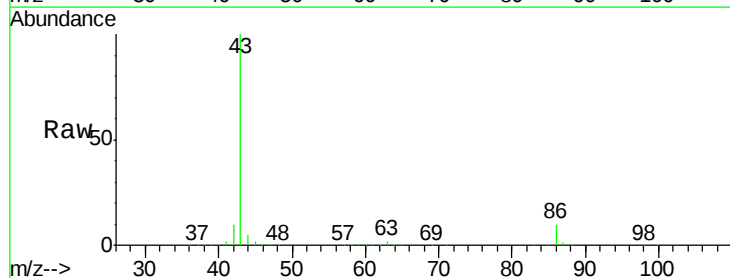
RT: 5.87 min Scan# 1275

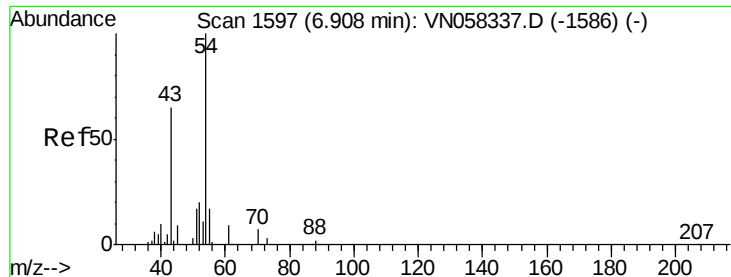
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	43	Resp:	1355235
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.6	9.8





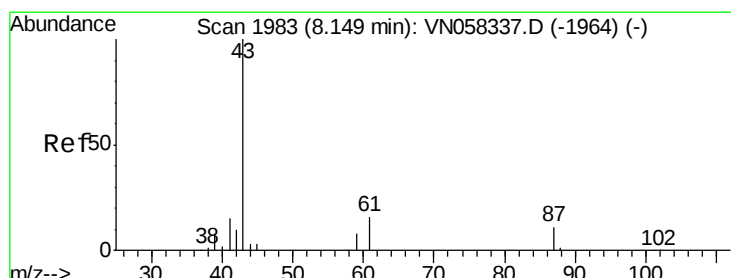
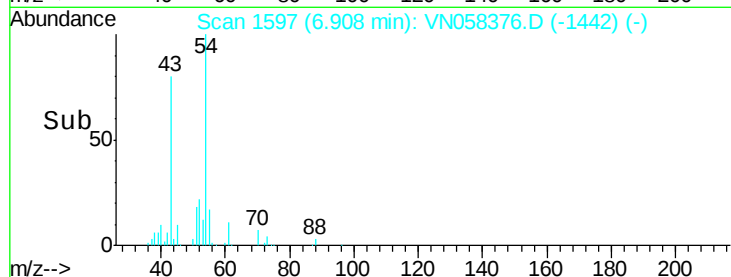
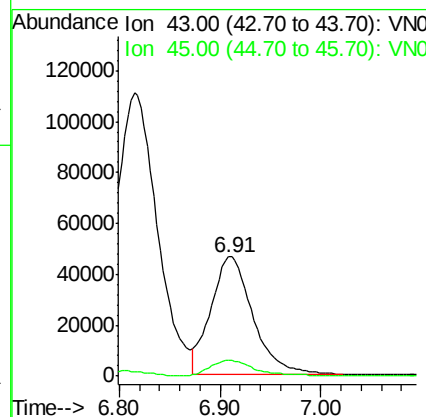
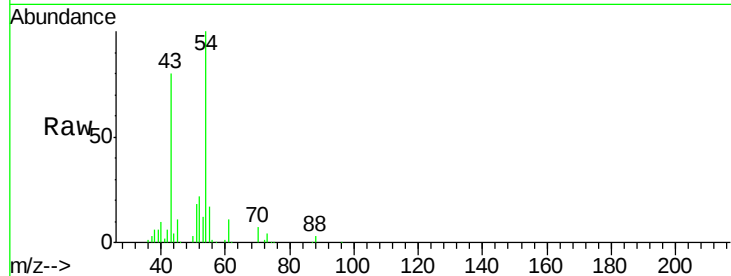
#43
Ethyl Acetate
Concen: 20.775 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion: 43 Resp: 134147
Ion Ratio Lower Upper
43 100
45 12.0 9.8 14.6

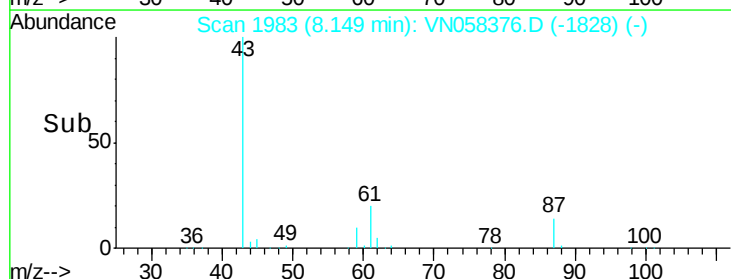
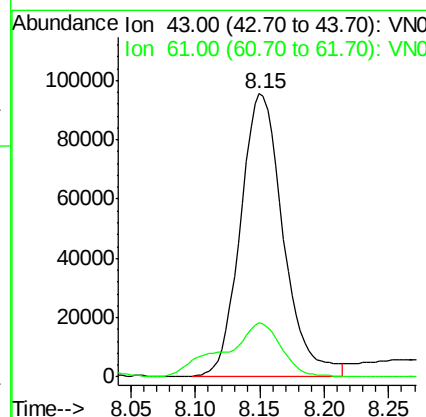
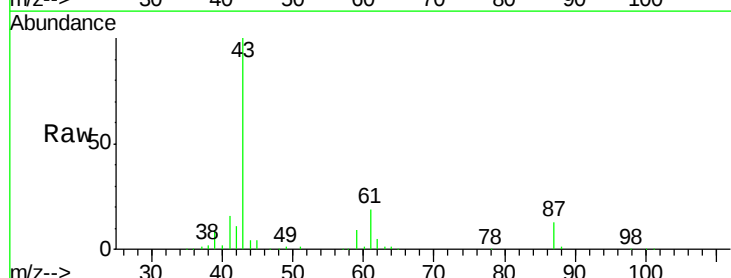
Manual Integrations
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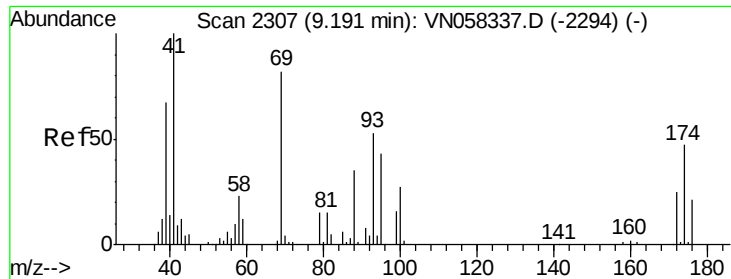
MMDadoda
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#44
Isopropyl Acetate
Concen: 18.999 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion: 43 Resp: 219618
Ion Ratio Lower Upper
43 100
61 17.7 14.4 21.6





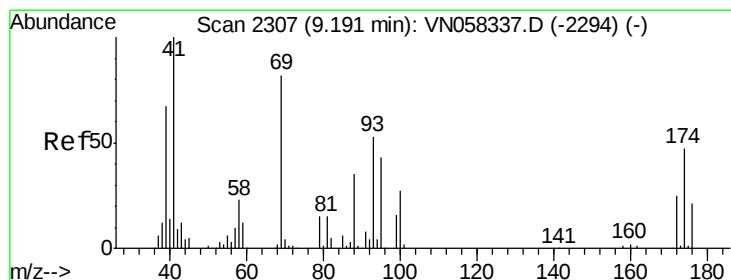
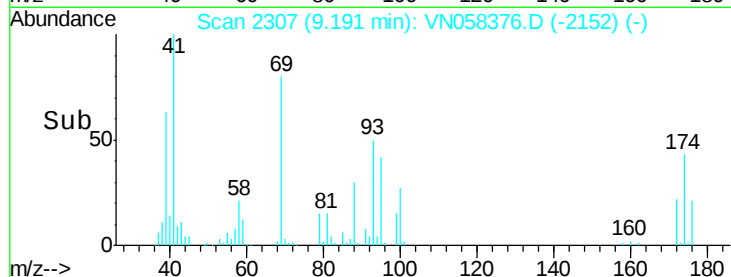
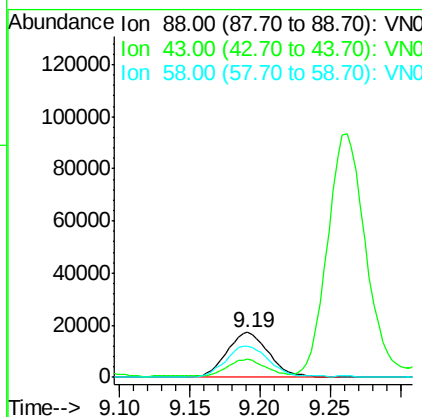
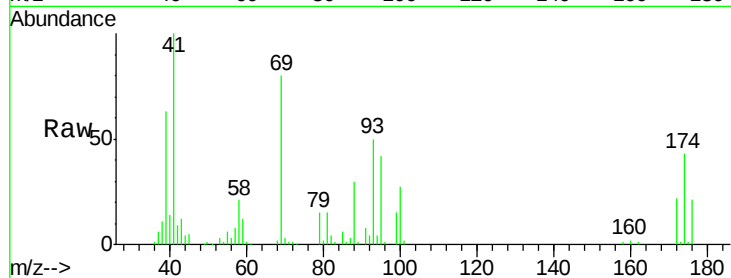
#45
 1,4-Dioxane
 Concen: 368.836 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Tot Ion	88	Resp	35967
Ion	Ratio	Lower	Upper
88	100		
43	32.6	27.2	40.8
58	72.0	55.4	83.0

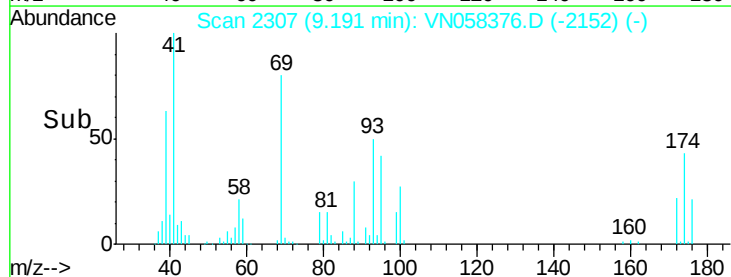
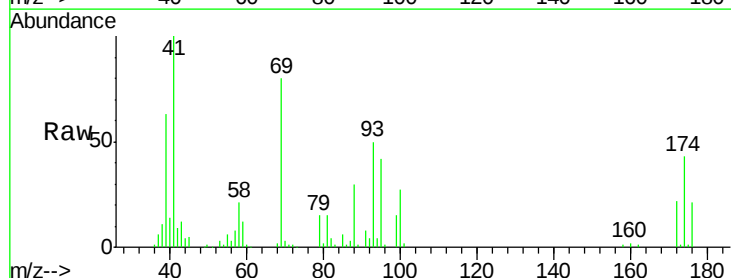
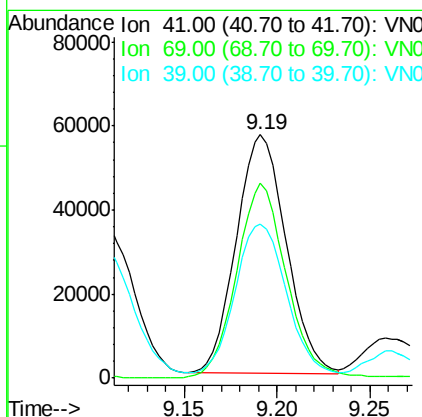
Manual Integrations
 APPROVED

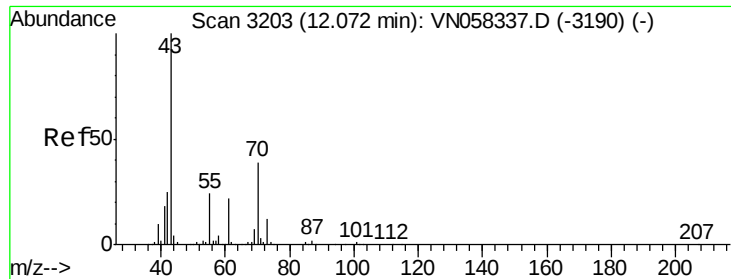
MMDadoda
 9/27/2019 11:19:03 AM



#46
 Methyl methacrylate
 Concen: 19.343 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion	41	Resp	105961
Ion	Ratio	Lower	Upper
41	100		
69	81.4	40.9	122.7
39	62.8	33.6	100.6





#47

n-amvl Acetate

Concen: 18.294 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS01

Tot Ion: 43 Resp: 184066

Ion Ratio Lower Upper

43 100

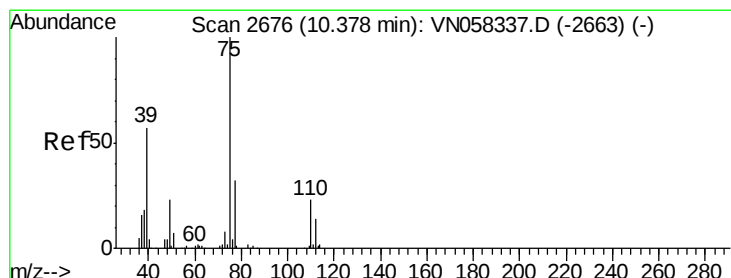
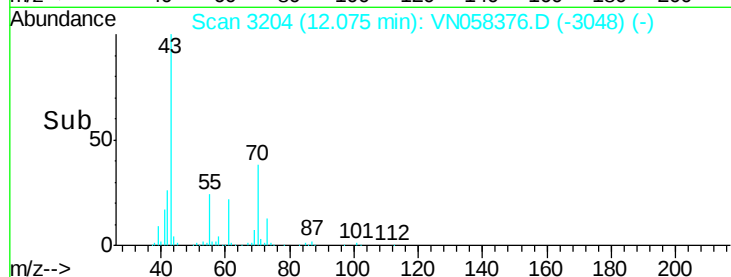
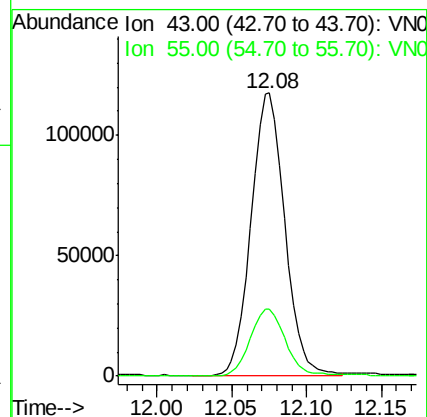
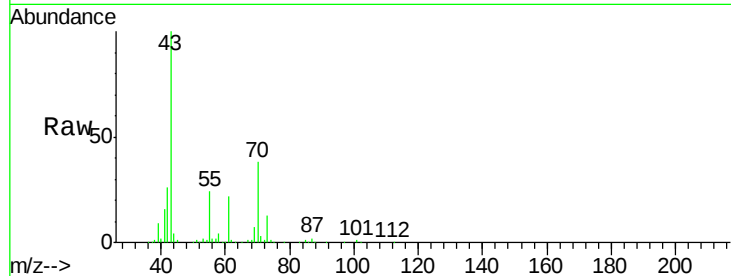
55 24.7 19.0 28.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.209 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058376.D

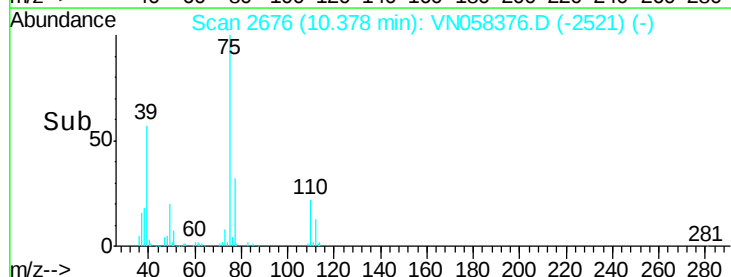
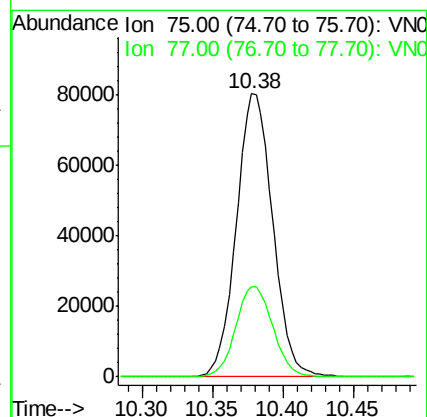
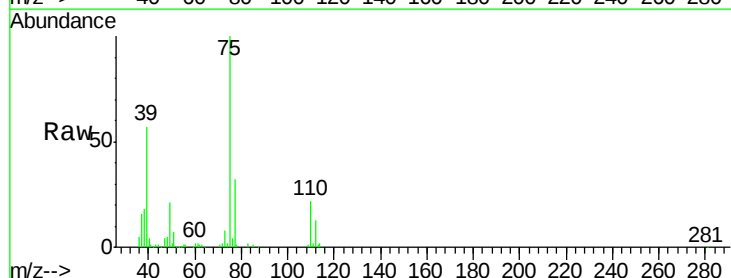
Acq: 26 Sep 2019 11:39

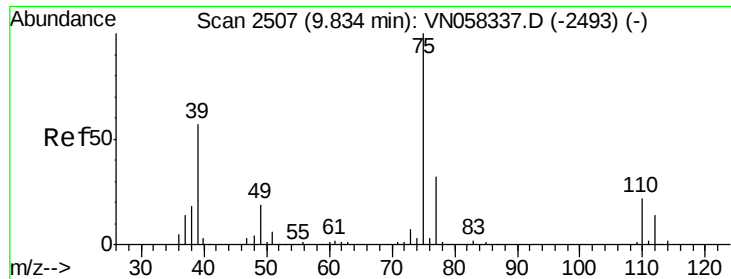
Tgt Ion: 75 Resp: 145116

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0





#49

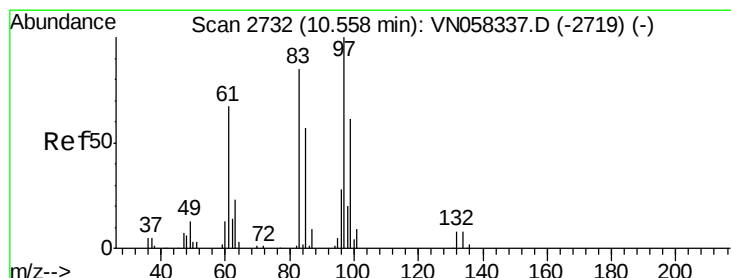
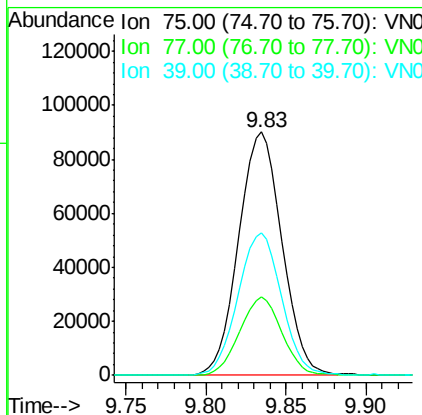
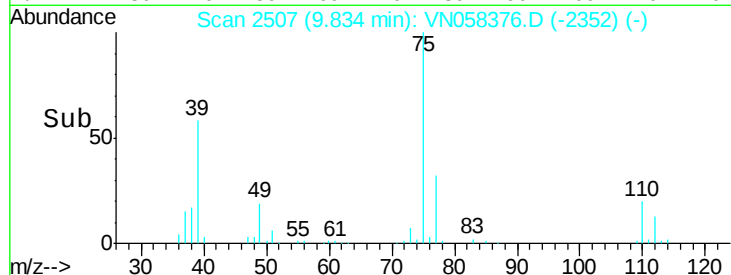
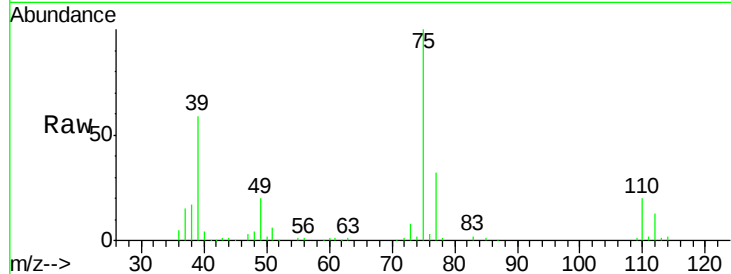
cis-1,3-Dichloropropene
Concen: 19.797 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.2	37.8
39	58.4	45.8	68.6

Manual Integrations
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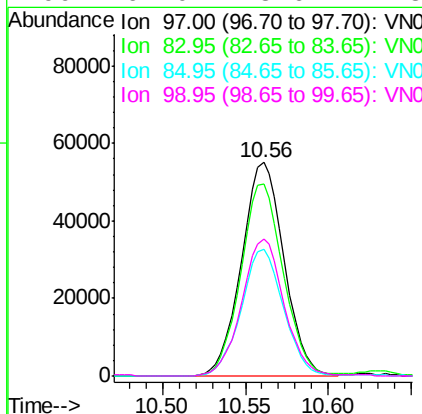
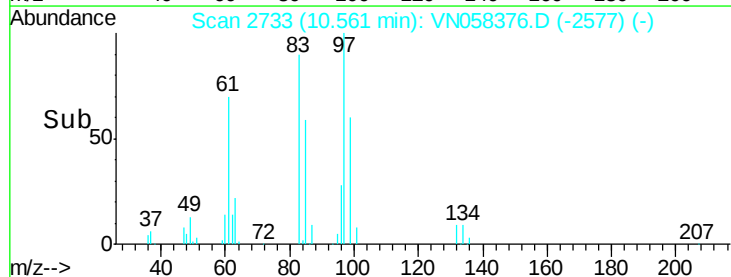
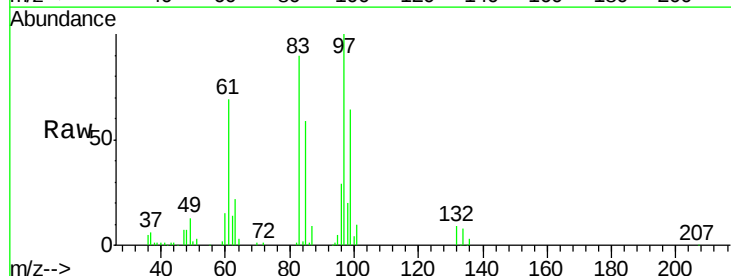
MMDadoda
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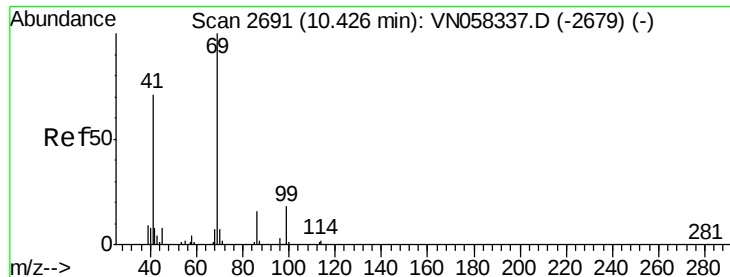


#50

1,1,2-Trichloroethane
Concen: 20.080 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	67.8	101.6
85	59.3	45.8	68.6
99	64.0	48.6	72.8





#51

Ethyl methacrylate

Concen: 19.130 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

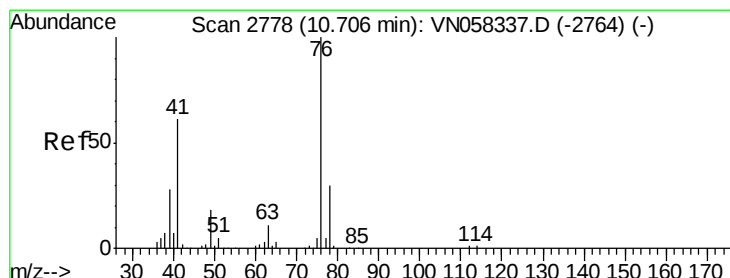
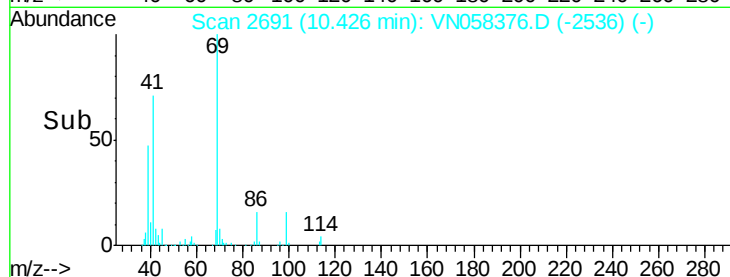
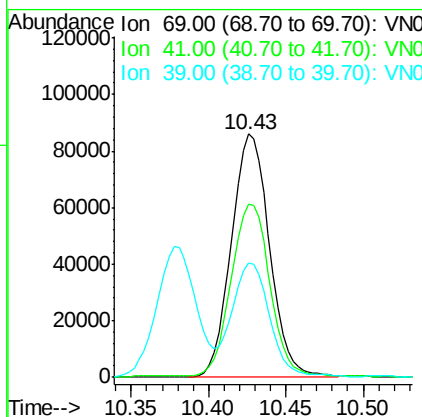
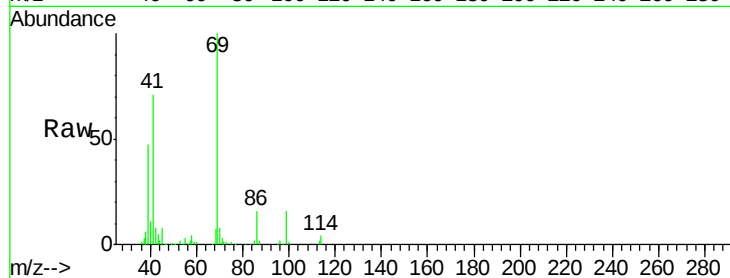
ClientSampled :

VN0926WBS01

Tot Ion:	69	Resp:	147964
Ion	Ratio	Lower	Upper
69	100		
41	70.5	35.4	106.1
39	46.6	23.5	70.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.164 ug/l

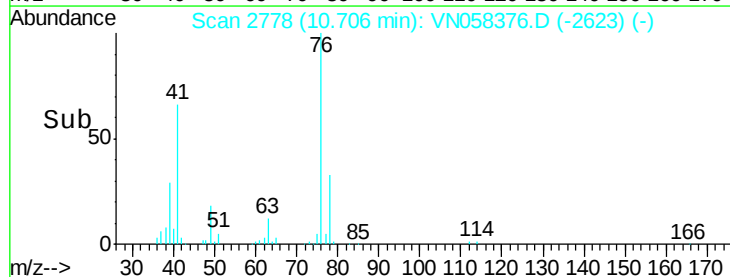
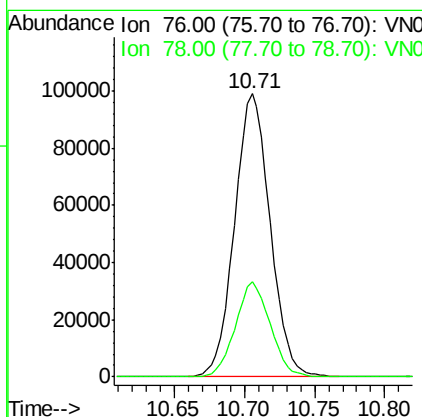
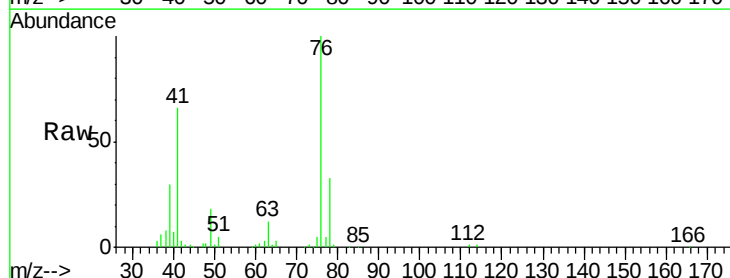
RT: 10.71 min Scan# 2778

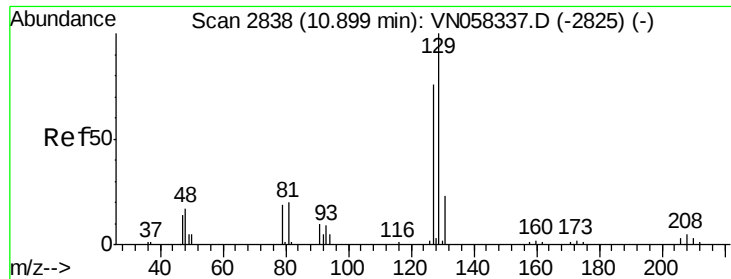
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	76	Resp:	175068
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	63.0





#53

Dibromochloromethane

Concen: 19.287 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS01

Tot Ion:129 Resp: 94719

Ion Ratio Lower Upper

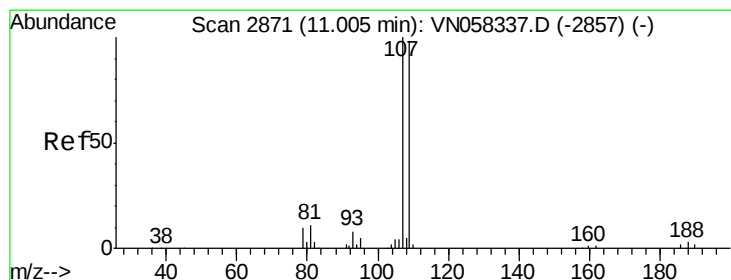
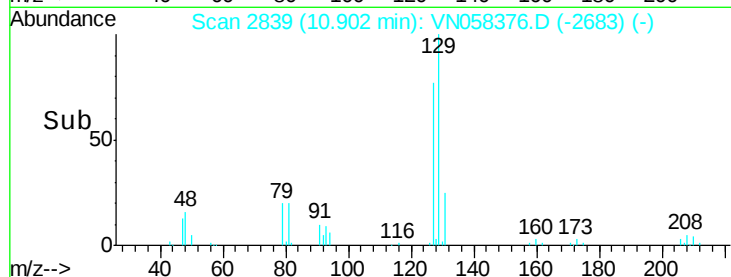
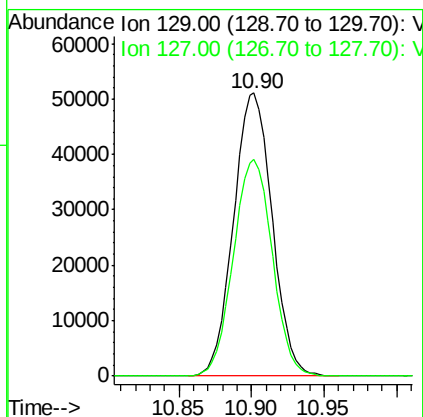
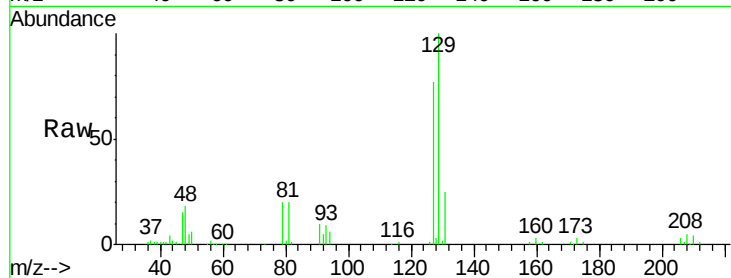
129 100

127 77.0 38.4 115.2

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#54

1,2-Dibromoethane

Concen: 19.889 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058376.D

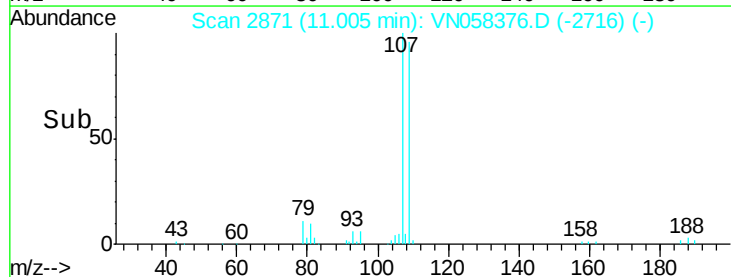
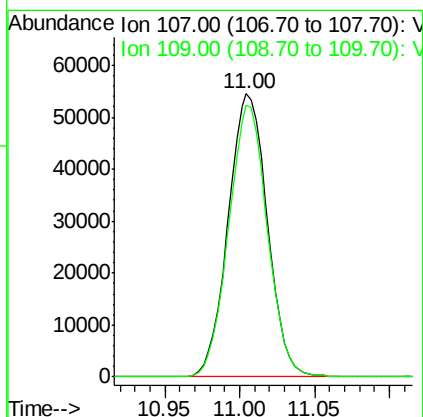
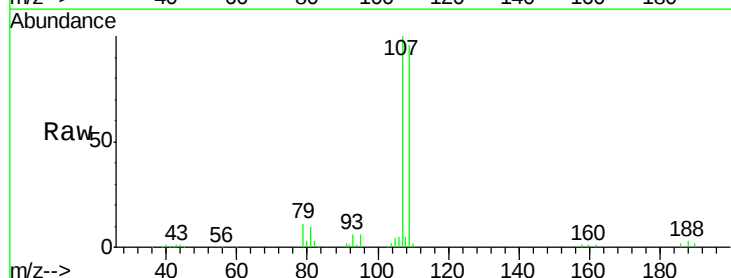
Acq: 26 Sep 2019 11:39

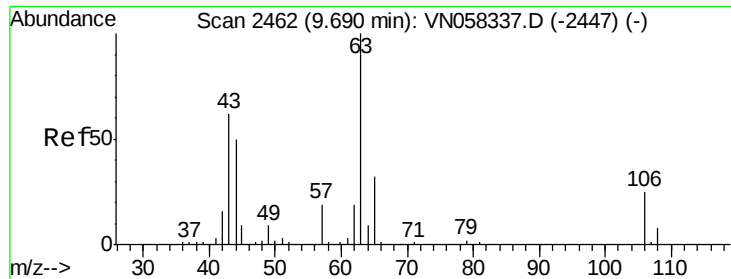
Tgt Ion:107 Resp: 99220

Ion Ratio Lower Upper

107 100

109 95.1 76.5 114.7





#55

2-Chloroethyl vinyl ether

Concen: 98.121 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

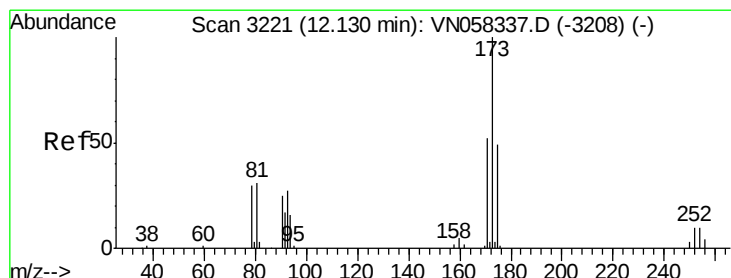
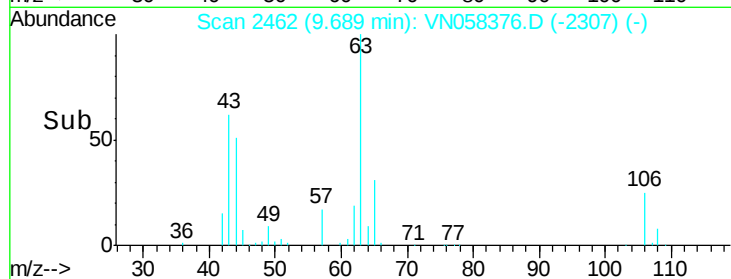
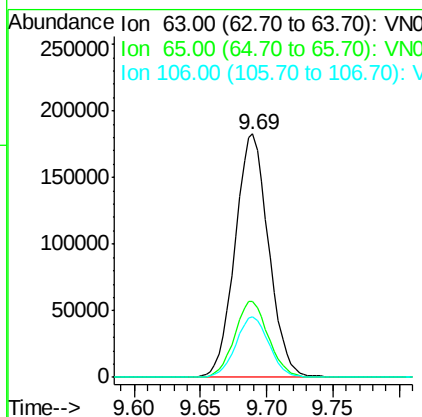
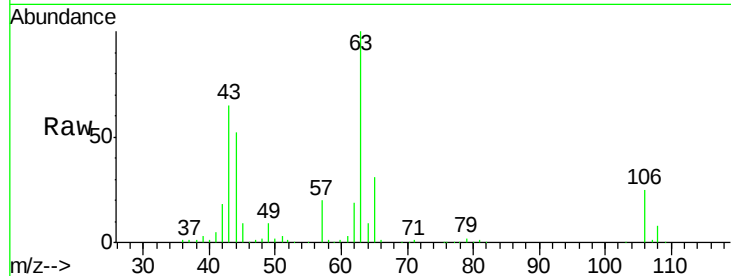
ClientSampleId :

VN0926WBS01

Tot Ion:	63	Resp:	321349
Ion Ratio	Lower	Upper	
63	100		
65	31.4	25.4	38.2
106	24.6	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 18.758 ug/l

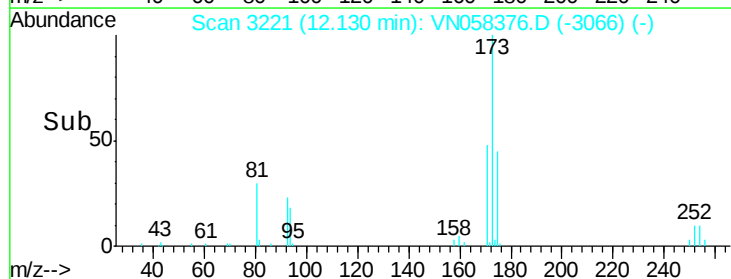
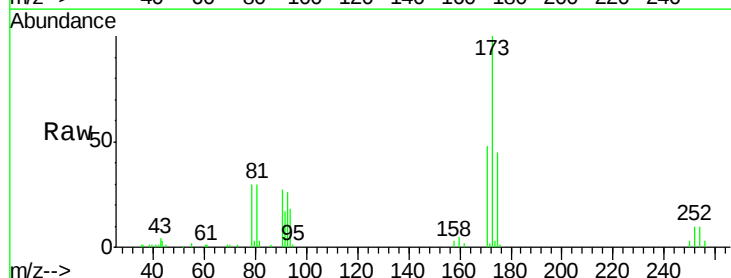
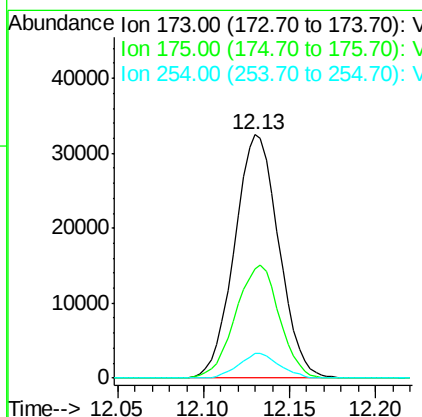
RT: 12.13 min Scan# 3221

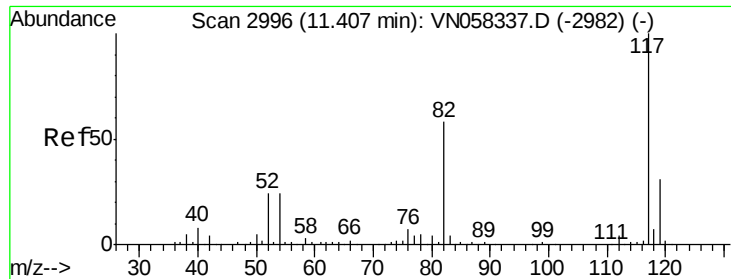
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	173	Resp:	58108
Ion Ratio	Lower	Upper	
173	100		
175	46.0	38.8	58.2
254	9.3	7.8	11.8





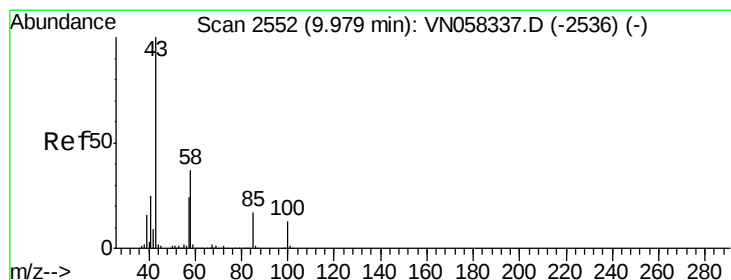
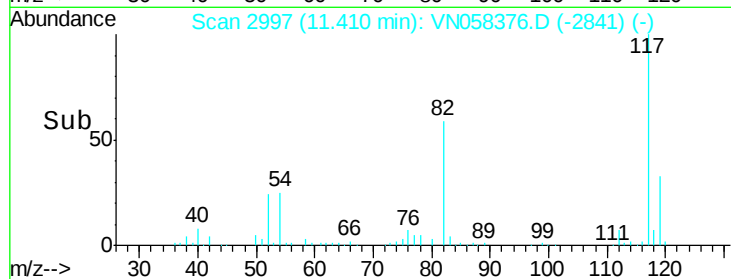
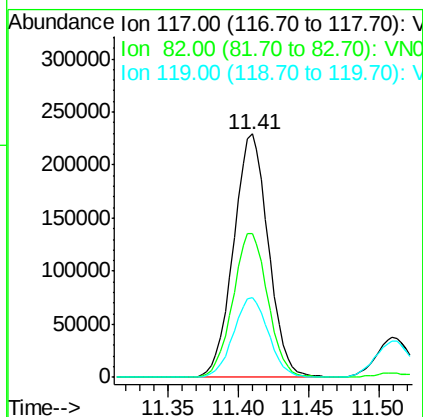
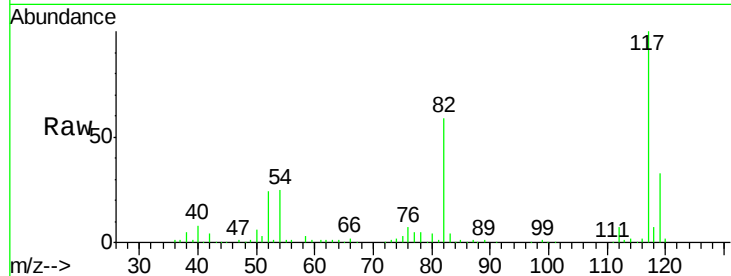
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0926WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.4	69.6
119	33.0	25.1	37.7

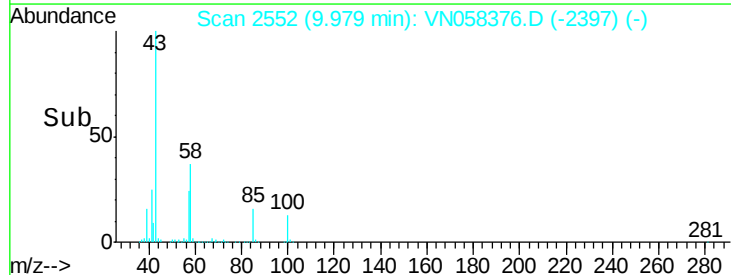
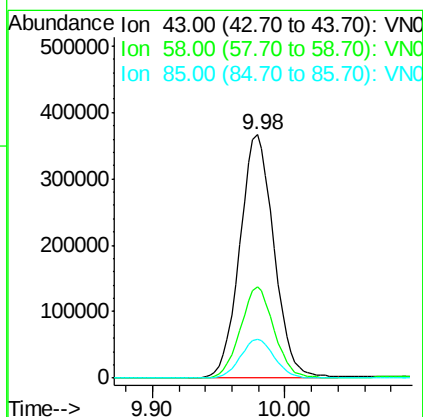
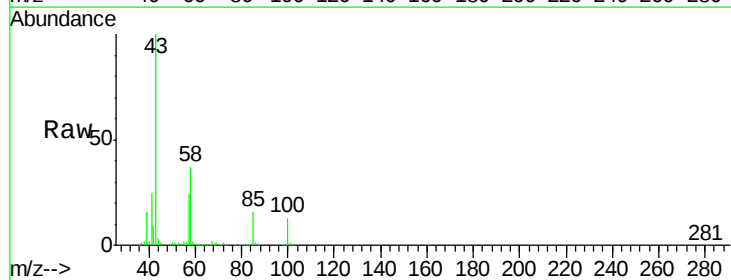
Manual Integrations
APPROVED

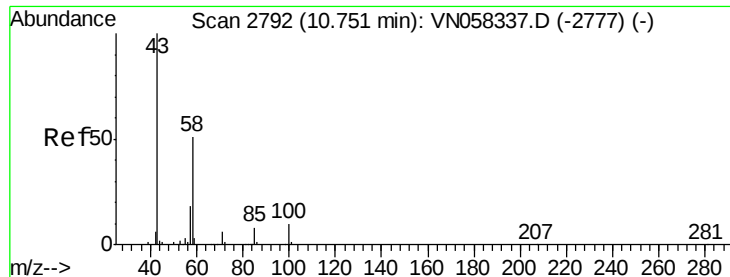
MMDadoda
9/27/2019 11:19:03 AM



#58
4-Methyl-2-Pentanone
Concen: 105.484 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.3	43.9
85	16.0	13.1	19.7





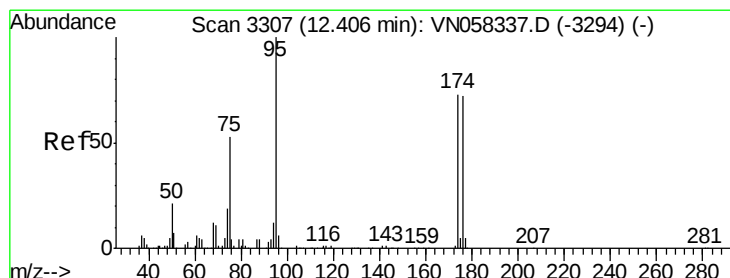
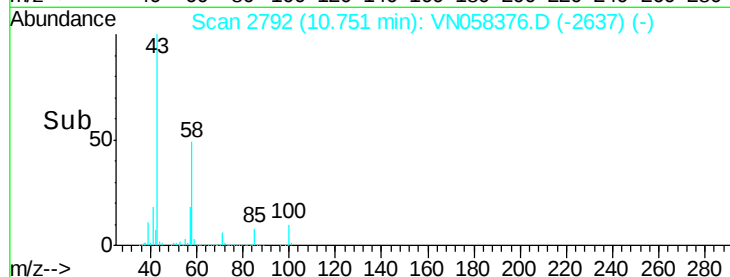
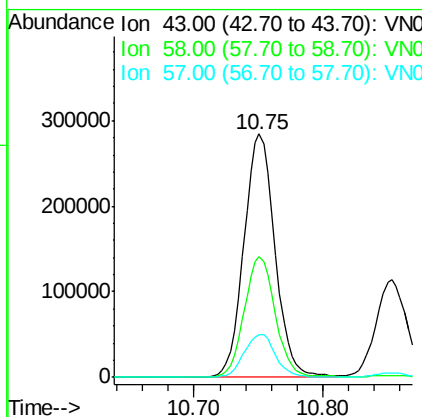
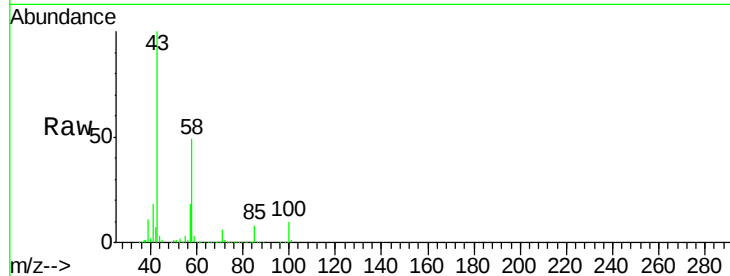
#59
2-Hexanone
Concen: 101.086 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.7	61.1
57	18.0	14.7	22.1

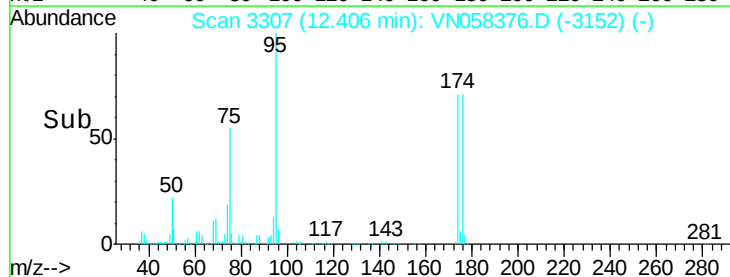
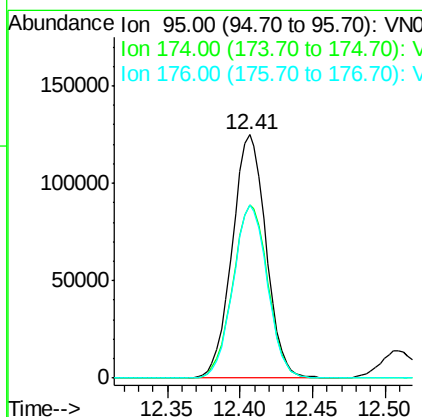
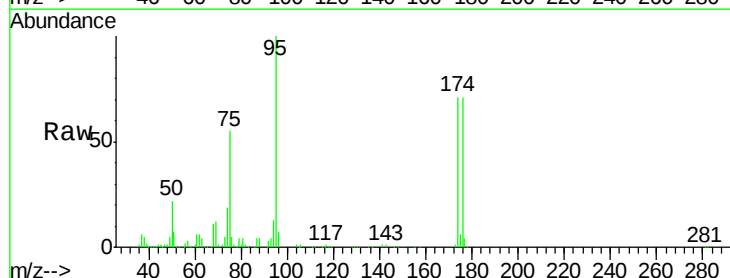
Manual Integrations
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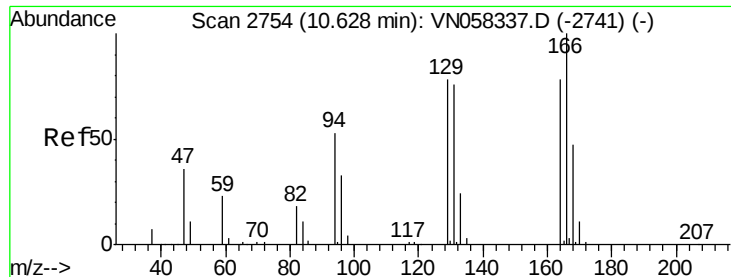
MMDadoda
9/27/2019 11:19:03 AM



#60
4-Bromofluorobenzene
Concen: 29.442 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	59.0	88.6
176	72.0	58.2	87.2





#61

Tetrachloroethene

Concen: 20.020 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS01

Tot Ion:164 Resp: 83207

Ion Ratio Lower Upper

164 100

166 126.5 102.6 154.0

129 95.7 79.8 119.6

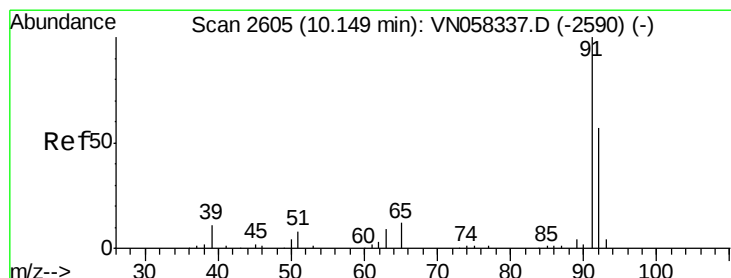
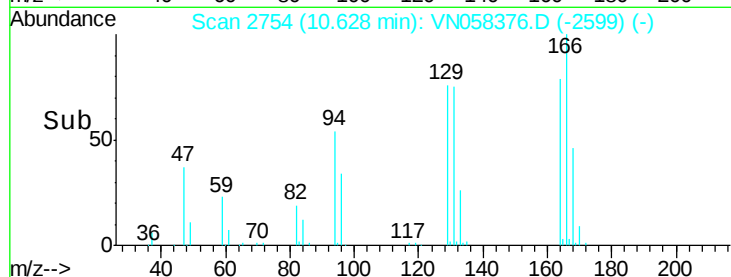
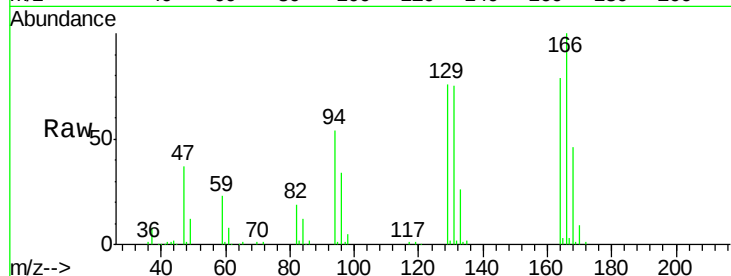
131 95.5 78.1 117.1

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#62

Toluene

Concen: 20.926 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058376.D

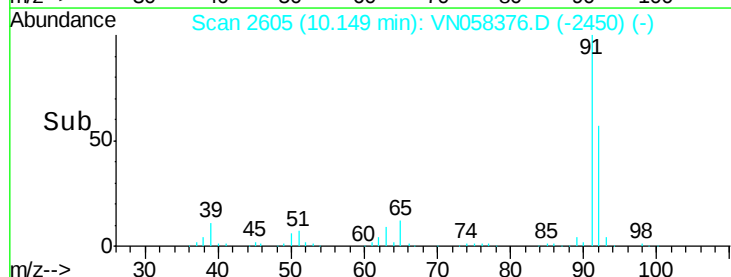
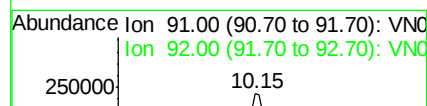
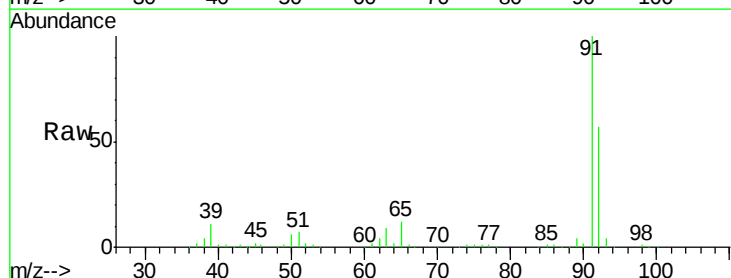
Acq: 26 Sep 2019 11:39

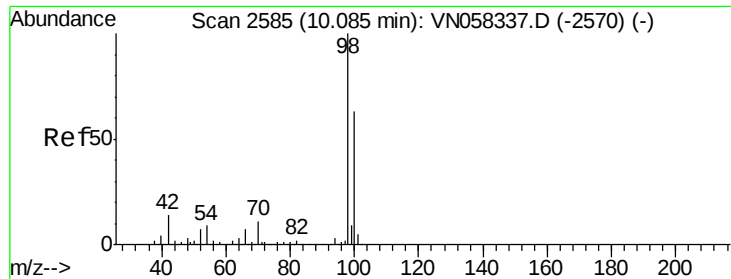
Tgt Ion: 91 Resp: 454663

Ion Ratio Lower Upper

91 100

92 56.4 45.5 68.3





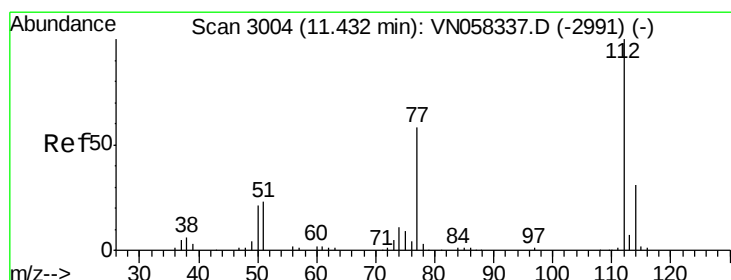
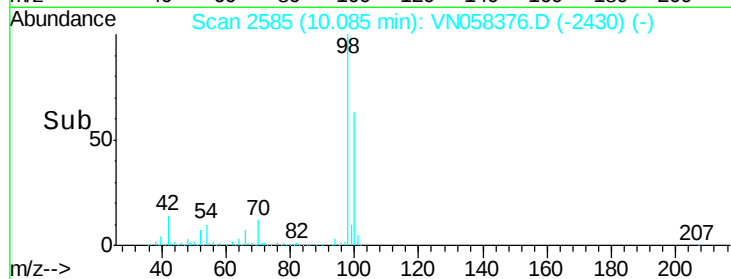
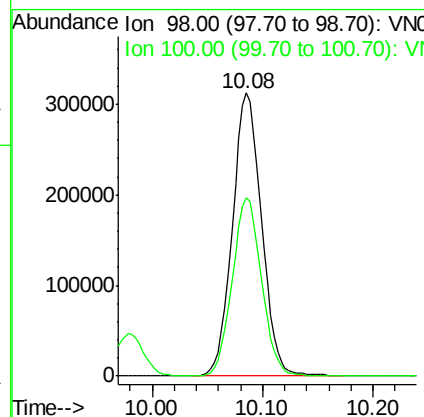
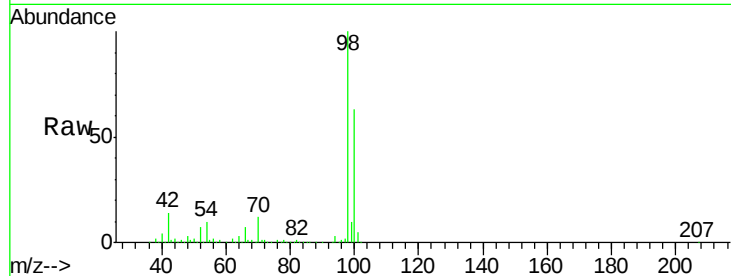
#63
Toluene-d8
Concen: 30.235 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion: 98 Resp: 572434
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.2

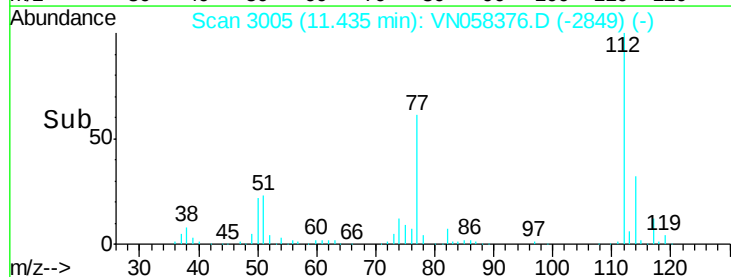
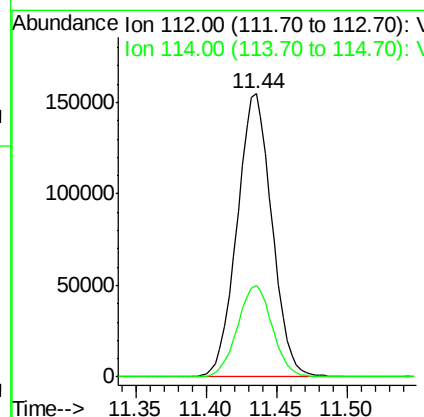
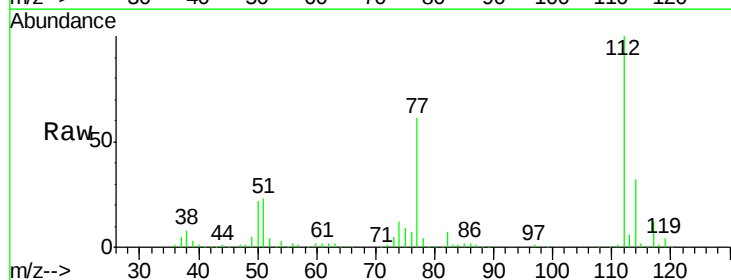
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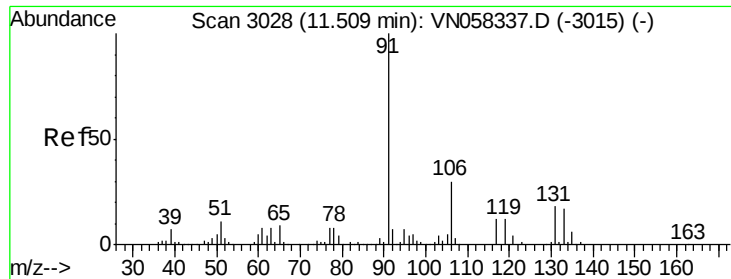
MMDadoda
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#64
Chlorobenzene
Concen: 20.051 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion: 112 Resp: 267712
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.001 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

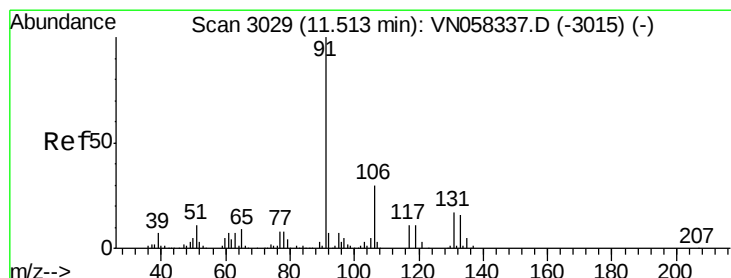
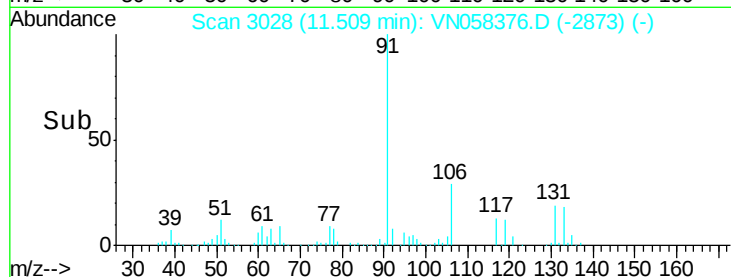
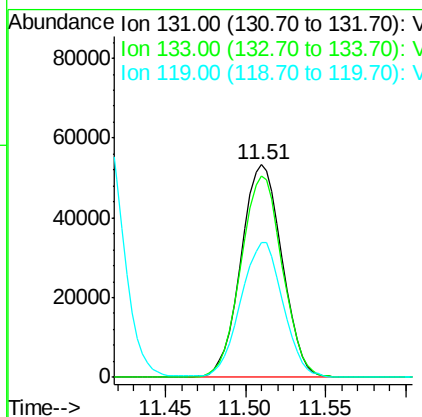
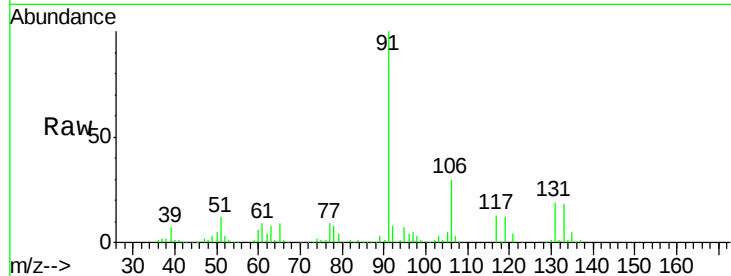
ClientSampled :

VN0926WBS01

Tot Ion:	131	Resp:	93620
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	191.8
119	65.3	0.0	134.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.030 ug/l

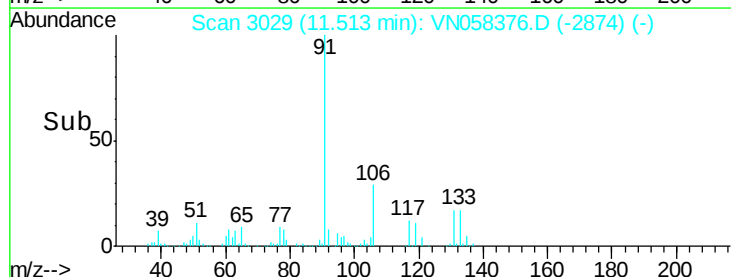
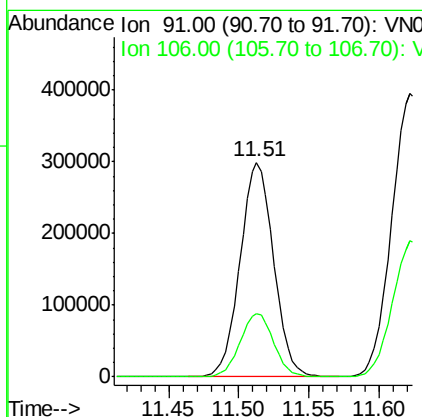
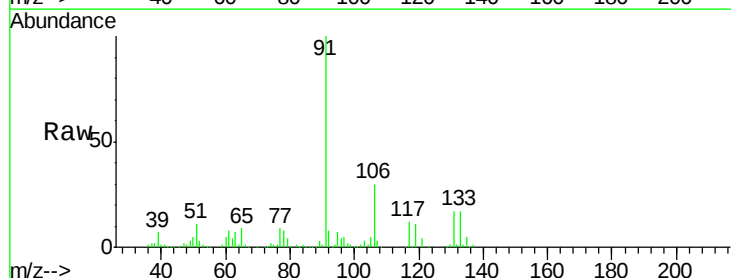
RT: 11.51 min Scan# 3029

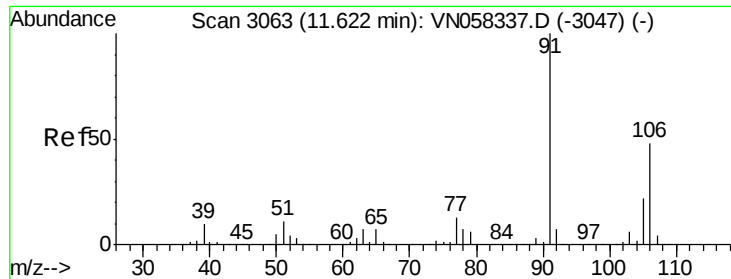
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	91	Resp:	498244
Ion Ratio	Lower	Upper	
91	100		
106	29.7	24.2	36.4





#67

m/p-Xvlenes

Concen: 39.870 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0926WBS01

Tot Ion:106 Resp: 362647

Ion Ratio Lower Upper

106 100

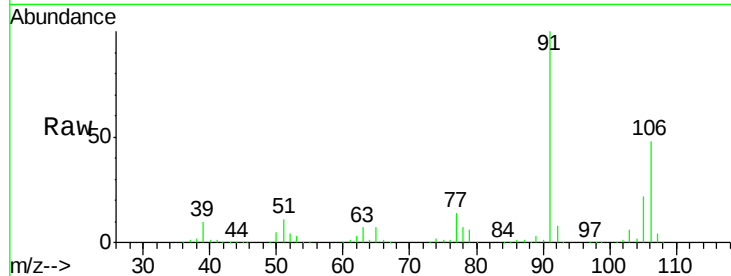
91 212.4 167.8 251.6

Manual Integrations

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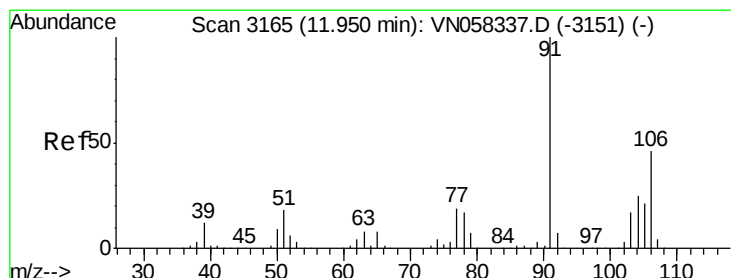
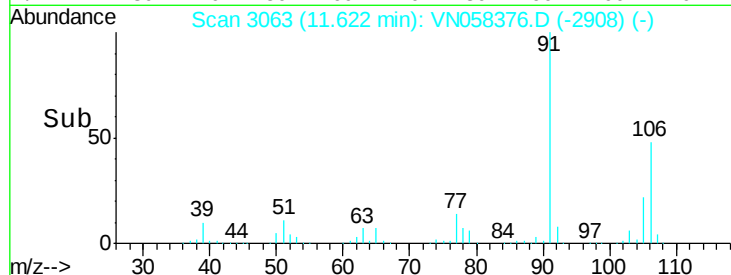
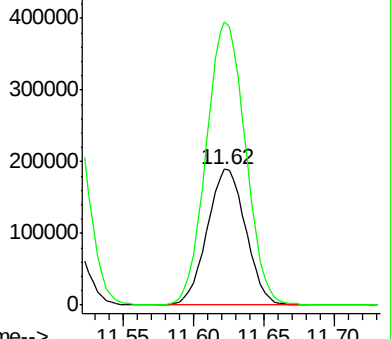
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.525 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058376.D

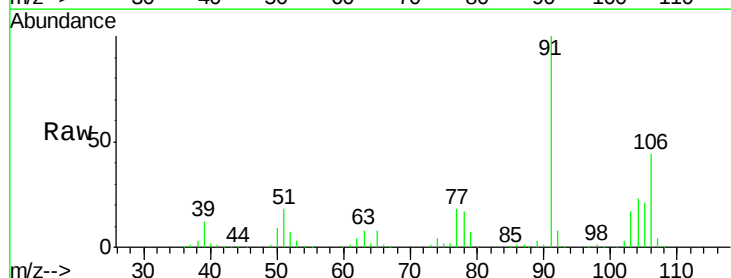
Acq: 26 Sep 2019 11:39

Tgt Ion:106 Resp: 172691

Ion Ratio Lower Upper

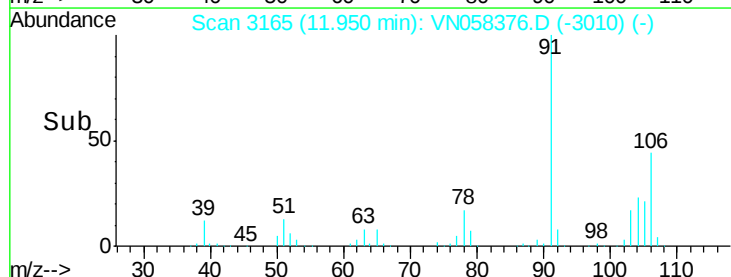
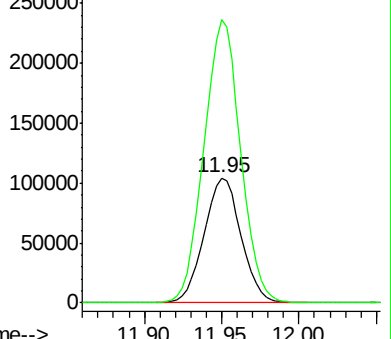
106 100

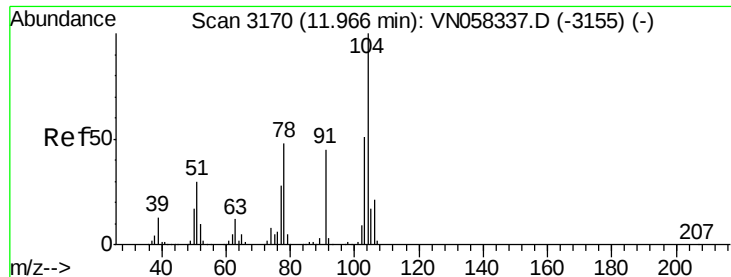
91 225.3 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





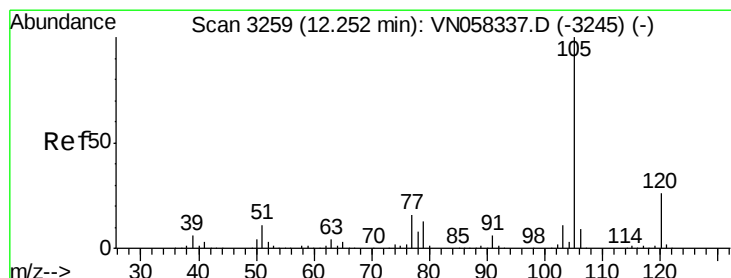
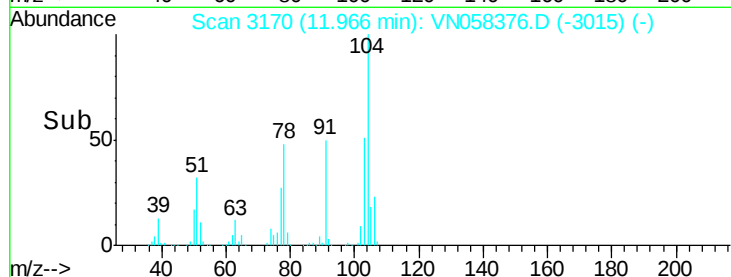
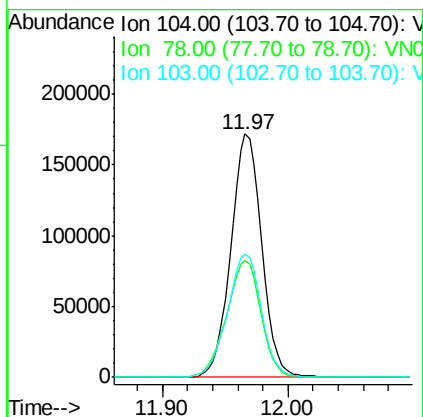
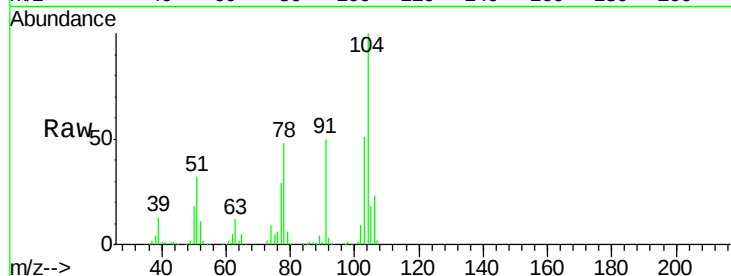
#69
Stvrene
Concen: 19.818 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	293111		
78	53.6	42.3	63.5	
103	55.8	44.1	66.1	

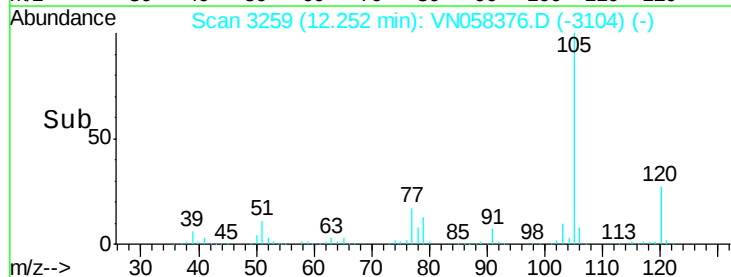
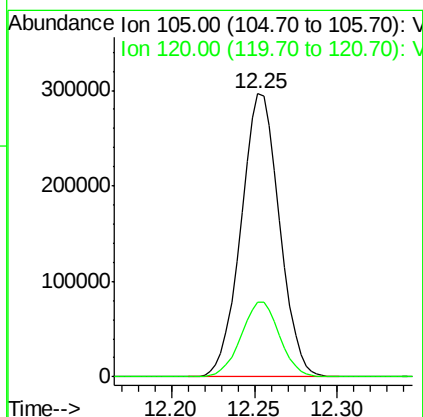
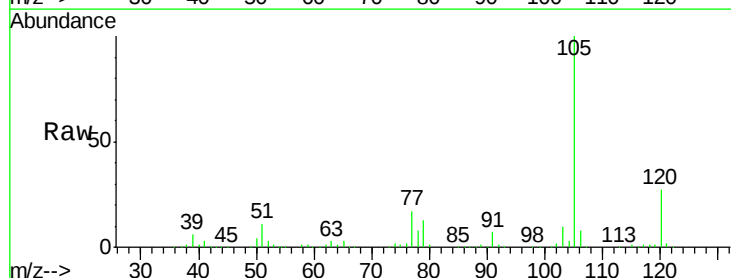
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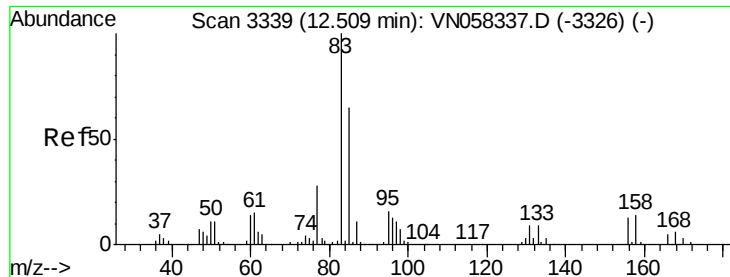
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#70
Isopropylbenzene
Concen: 20.798 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	476689		
120	26.4	18.2	33.8	





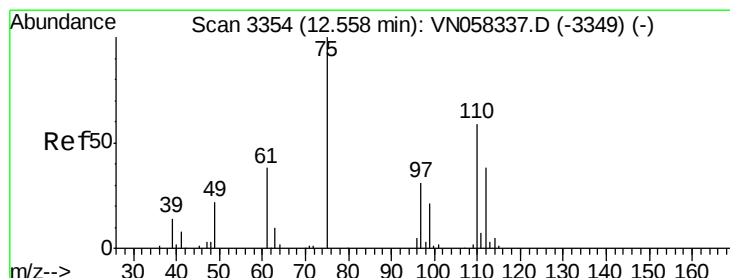
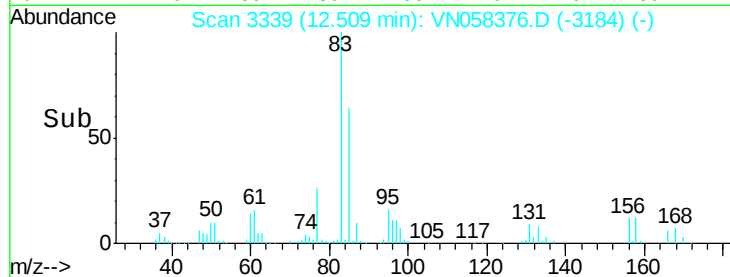
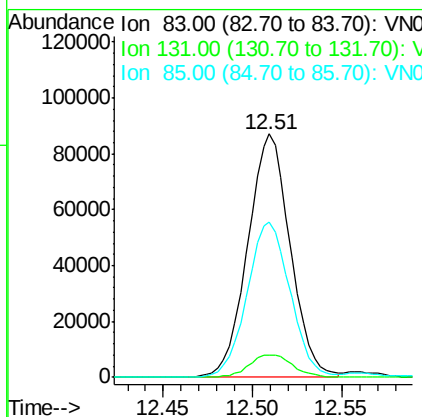
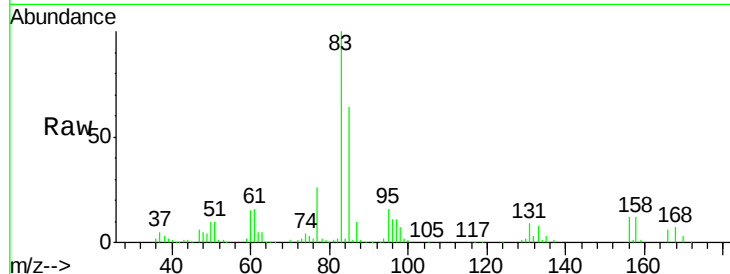
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.879 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	144811		
131	9.6	4.8	14.3	
85	64.5	32.6	97.7	

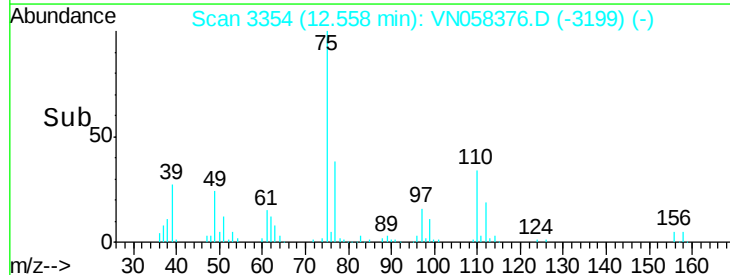
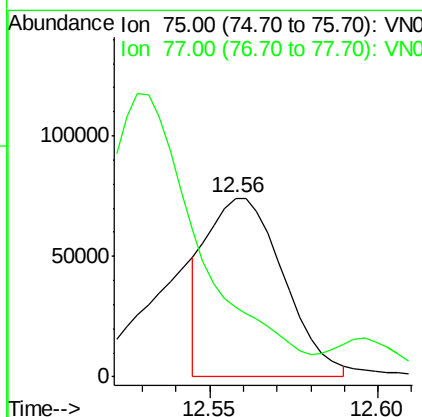
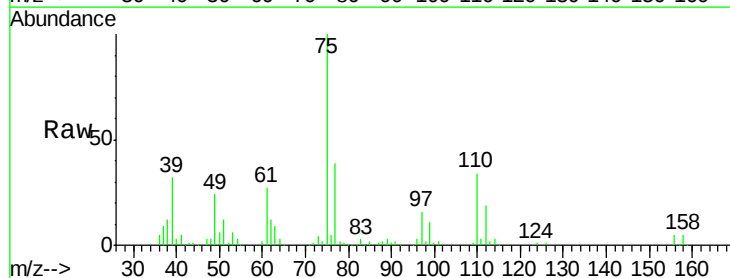
Manual Integrations
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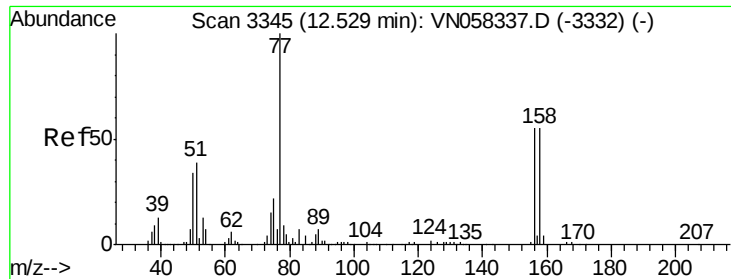
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#72
 1,2,3-Trichloropropane
 Concen: 18.812 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117855		
77	206.8	0.0	382.4	





#73

Bromobenzene

Concen: 19.872 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

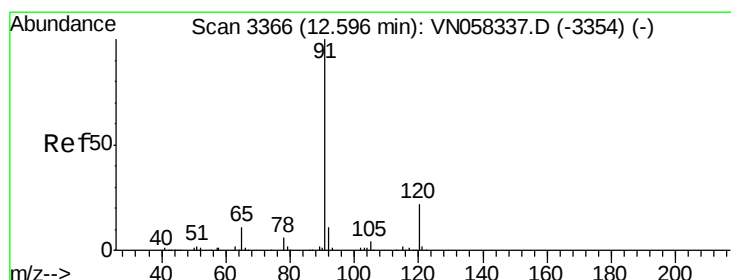
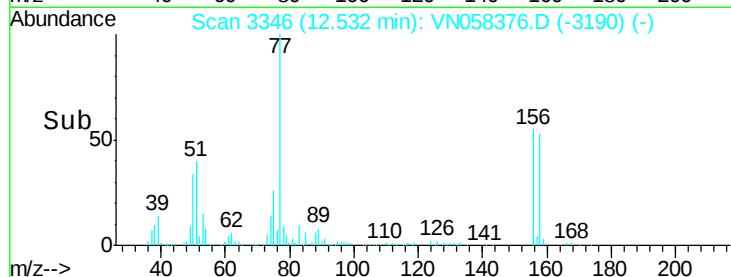
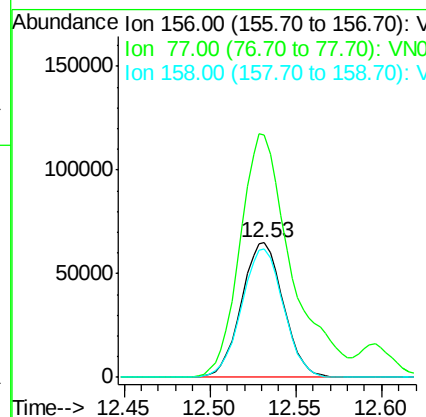
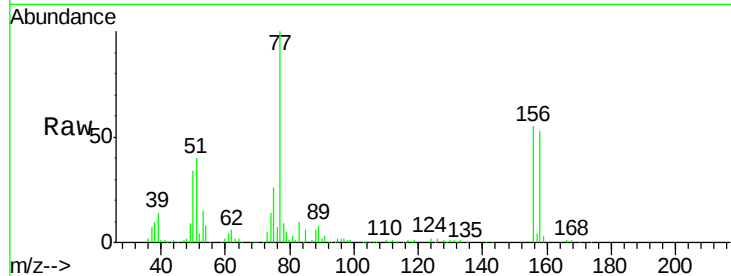
ClientSampleId :

VN0926WBS01

Tot Ion:	156	Resp:	110320
Ion Ratio	Lower	Upper	
156	100		
77	220.9	0.0	438.8
158	95.5	0.0	195.6

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#74

n-propylbenzene

Concen: 21.553 ug/l

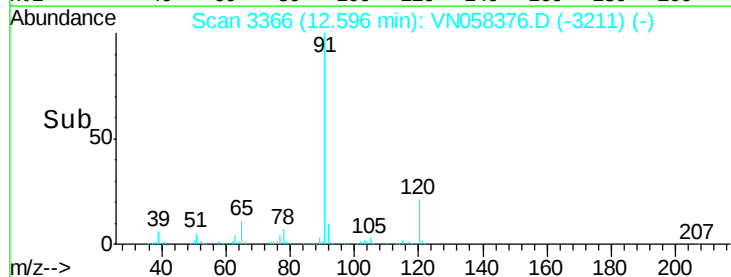
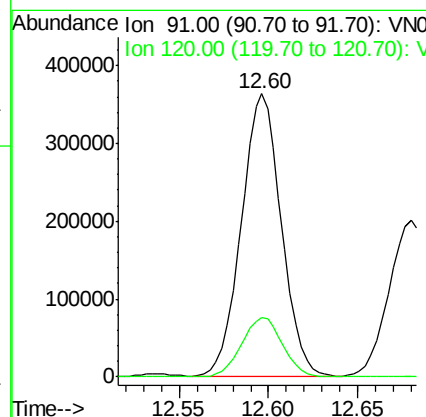
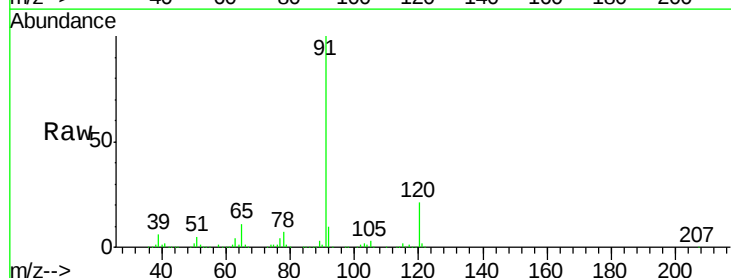
RT: 12.60 min Scan# 3366

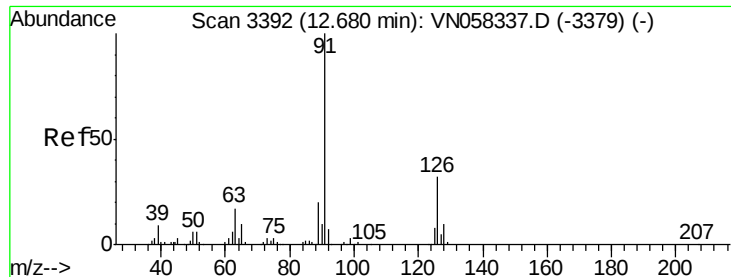
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	91	Resp:	569497
Ion Ratio	Lower	Upper	
91	100		
120	21.4	0.0	44.0





#75

2-Chlorotoluene

Concen: 20.157 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBS01

Tot Ion: 91 Resp: 333158

Ion Ratio Lower Upper

91 100

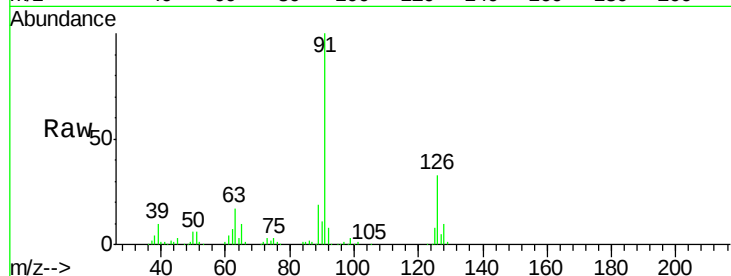
126 32.6 0.0 65.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)

300000

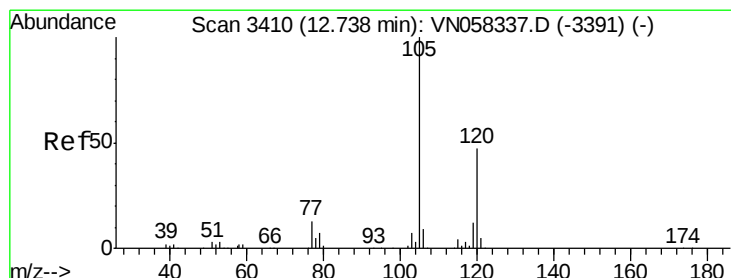
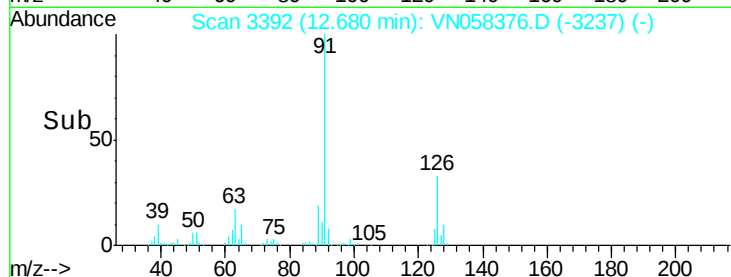
200000

100000

0

12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.787 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058376.D

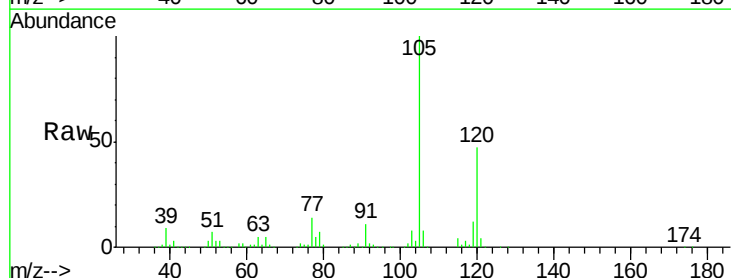
Acq: 26 Sep 2019 11:39

Tgt Ion: 105 Resp: 410242

Ion Ratio Lower Upper

105 100

120 47.0 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

300000

250000

200000

150000

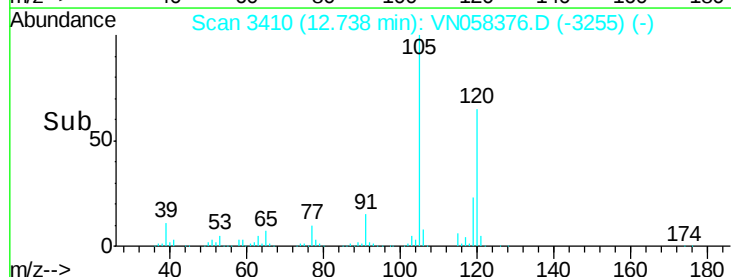
100000

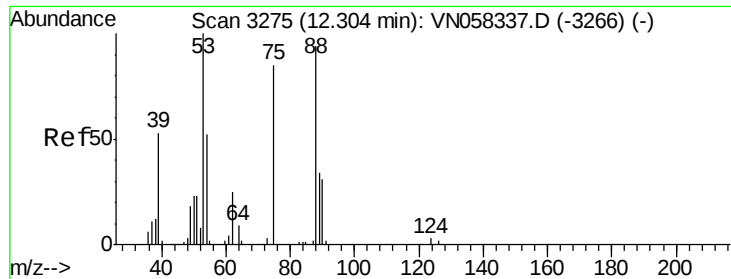
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.140 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

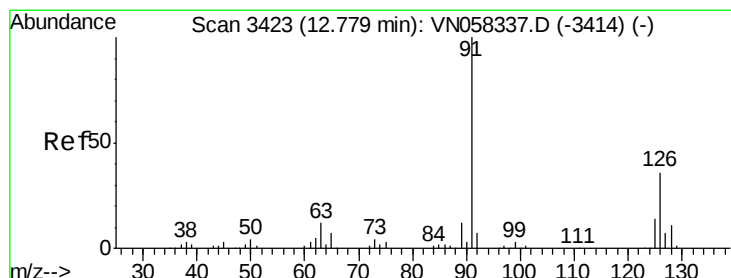
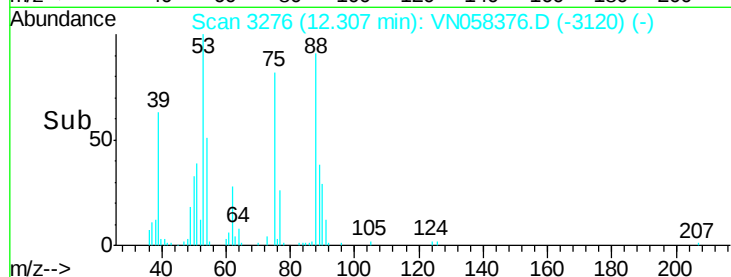
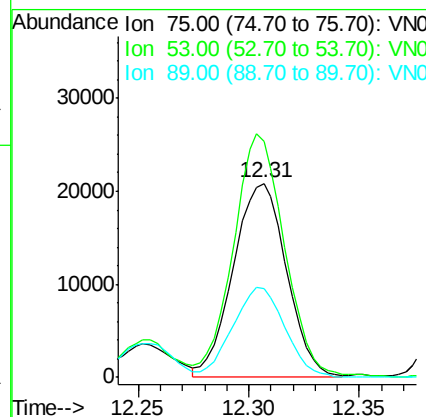
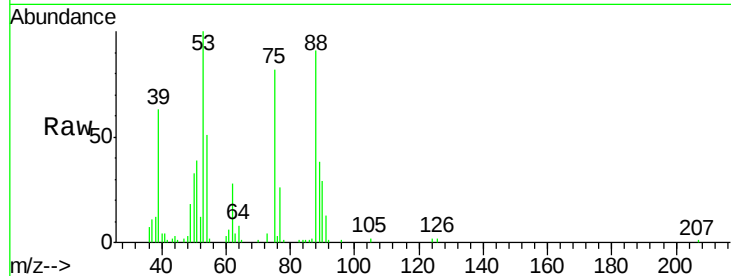
ClientSampleId :

VN0926WBS01

Tot Ion:	75	Resp:	35026
Ion Ratio	Lower	Upper	
75	100		
53	120.9	59.0	176.8
89	46.4	21.6	65.0

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#78

4-Chlorotoluene

Concen: 20.121 ug/l

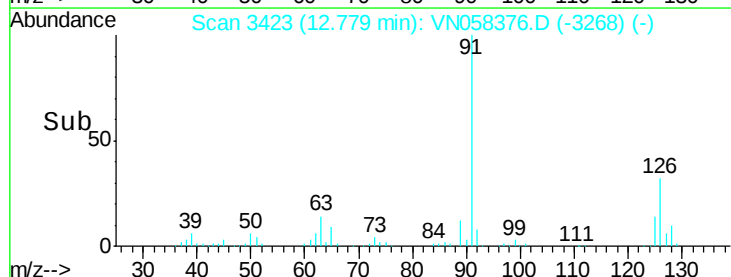
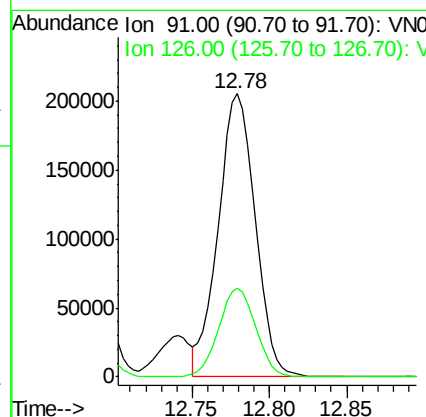
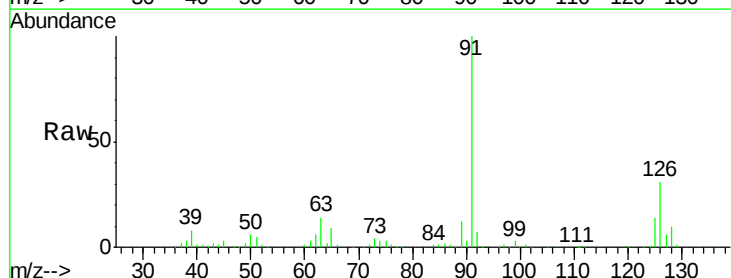
RT: 12.78 min Scan# 3423

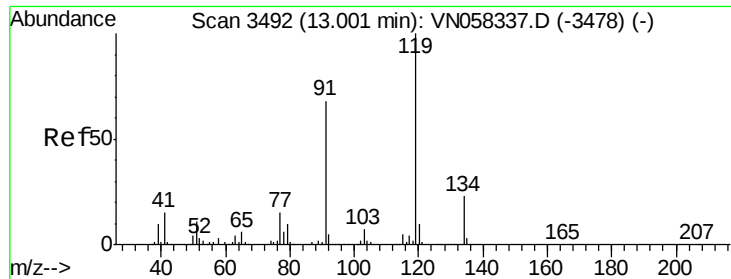
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	91	Resp:	340843
Ion Ratio	Lower	Upper	
91	100		
126	31.4	0.0	63.8





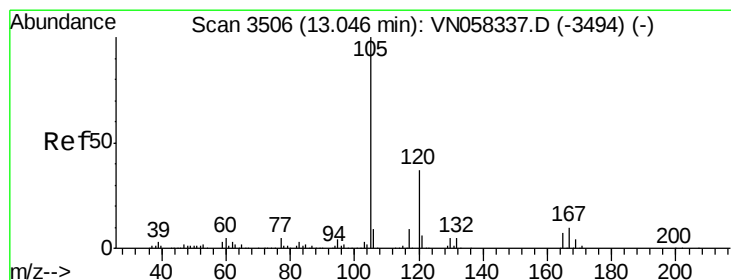
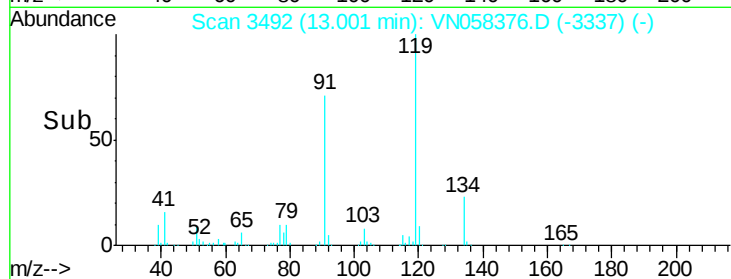
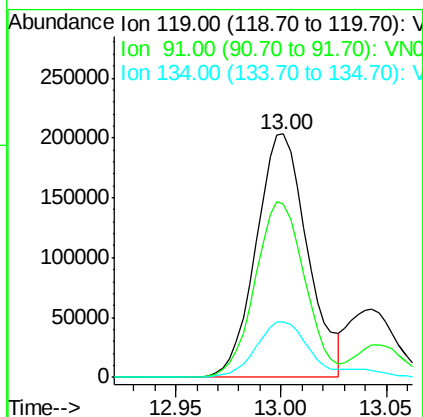
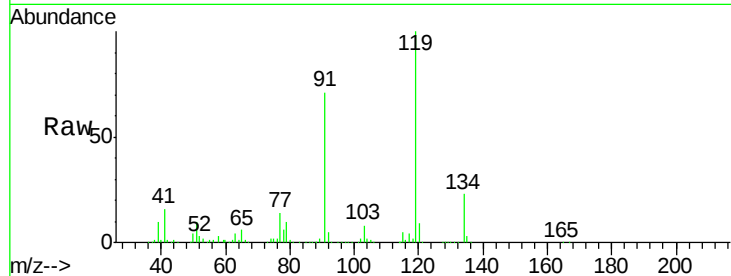
#79
tert-butylbenzene
Concen: 20.174 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0926WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	344707		
91	69.9	0.0	138.2	
134	22.9	0.0	46.8	

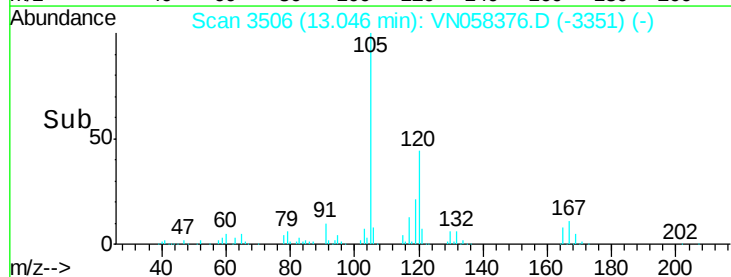
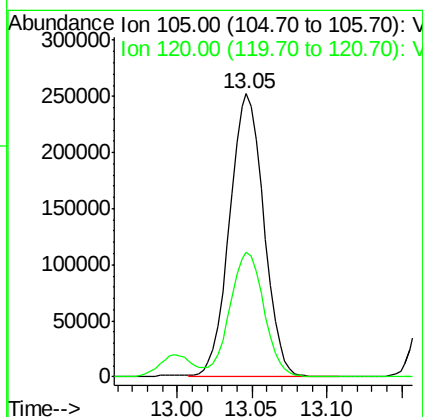
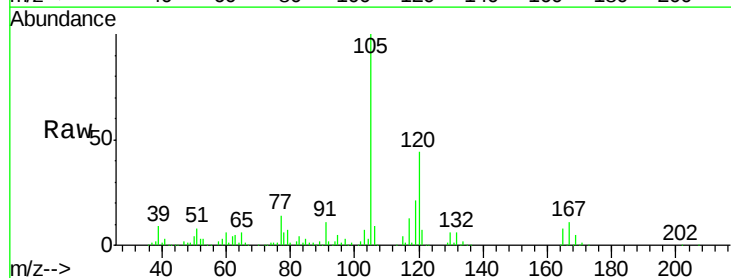
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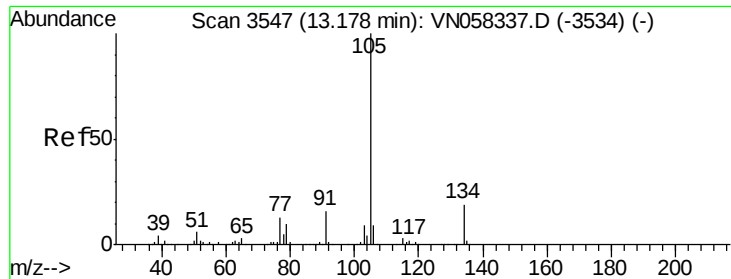
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#80
1,2,4-Trimethylbenzene
Concen: 20.344 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	400751		
120	44.2	0.0	86.6	





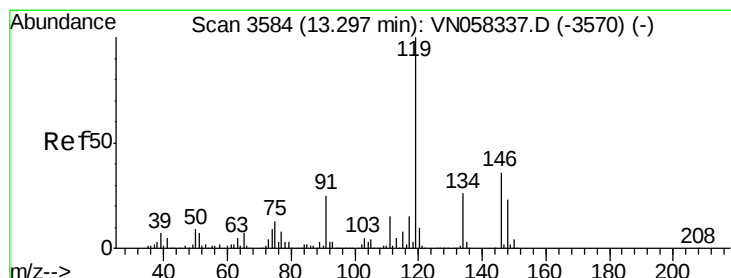
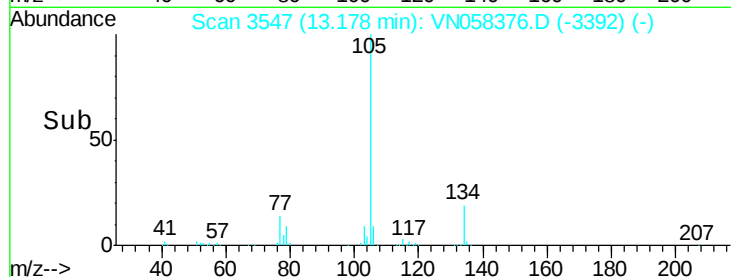
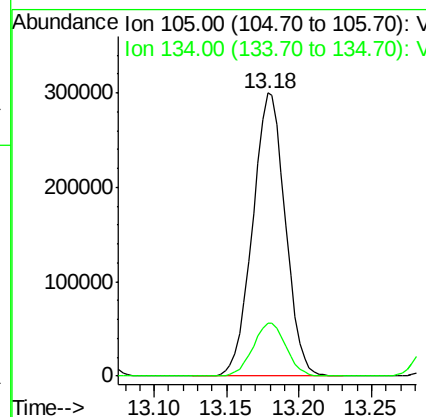
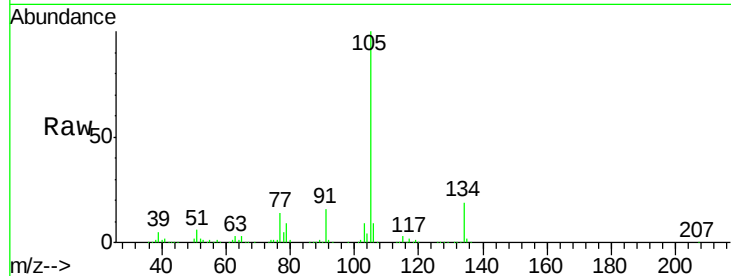
#81
 sec-Butylbenzene
 Concen: 20.994 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	470503		
134	19.1	0.0	38.2	

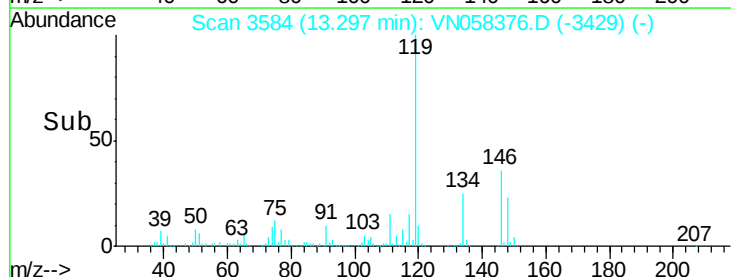
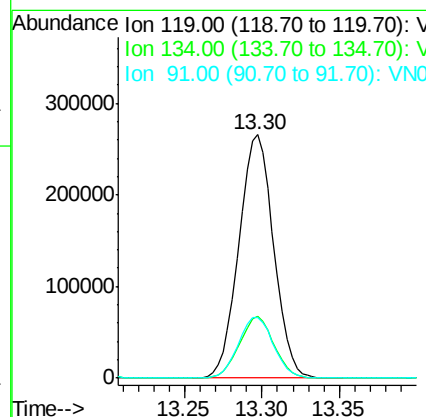
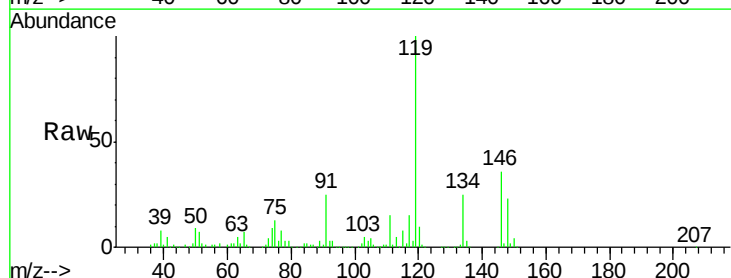
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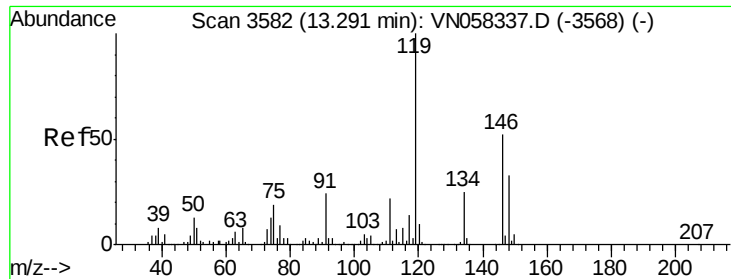
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#82
 p-Isopropyltoluene
 Concen: 20.433 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	412385		
134	25.2	0.0	51.6	
91	25.4	0.0	49.6	





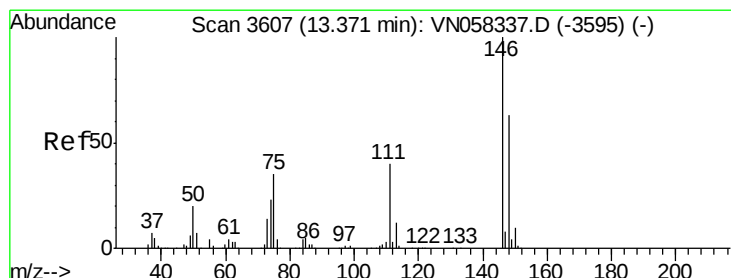
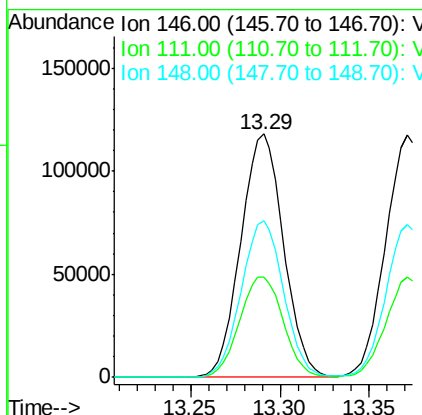
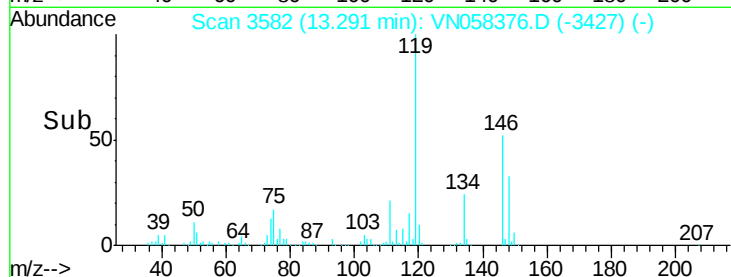
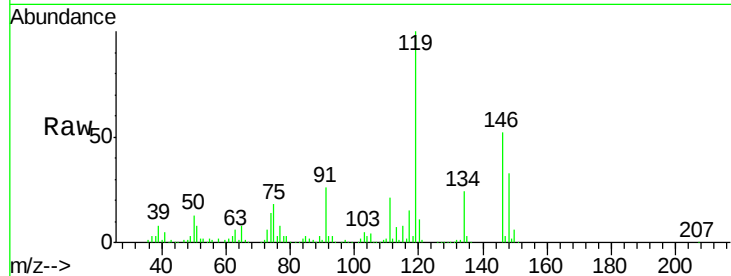
#83
 1,3-Dichlorobenzene
 Concen: 19.303 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	63.8	32.0	96.2

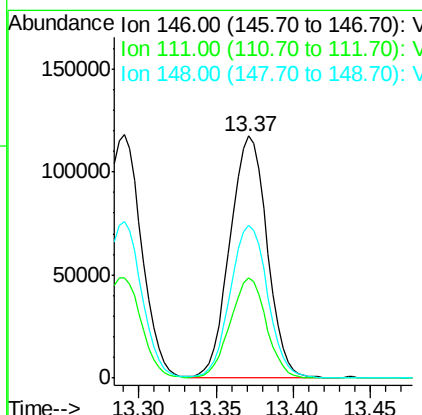
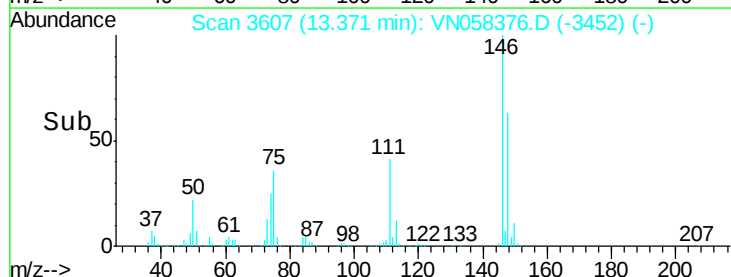
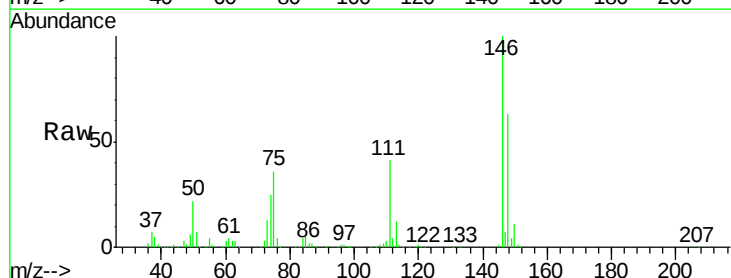
Manual Integrations
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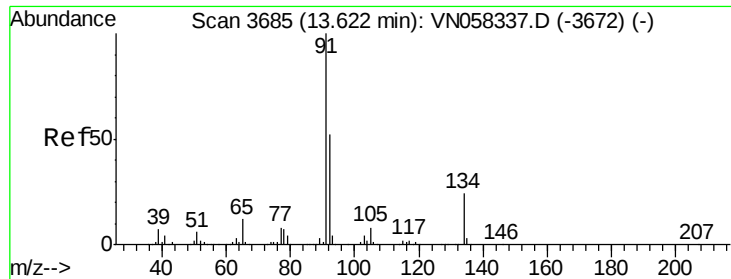
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#84
 1,4-Dichlorobenzene
 Concen: 19.154 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.4	61.3
148	64.0	31.9	95.7





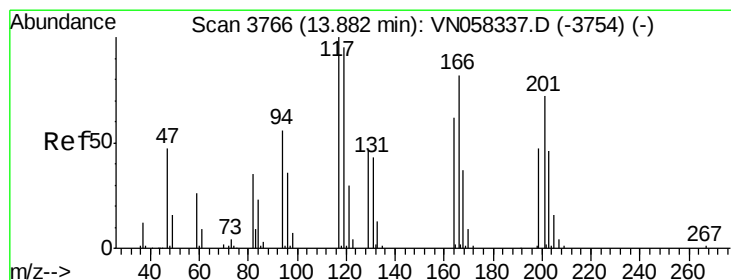
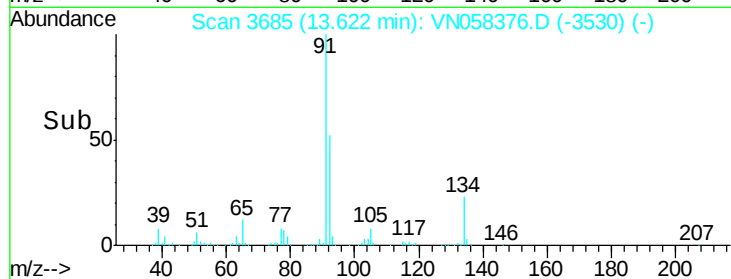
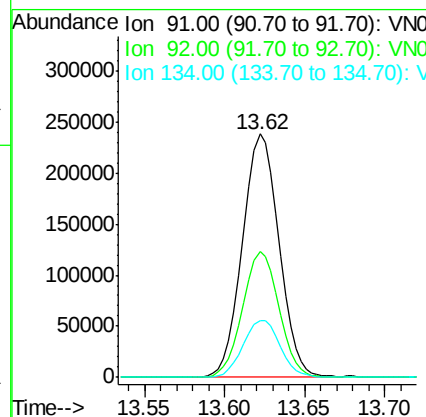
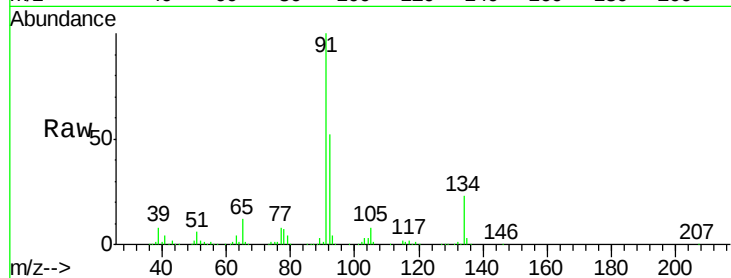
#85
n-Butylbenzene
Concen: 19.826 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	0.0	102.6
134	23.8	0.0	47.8

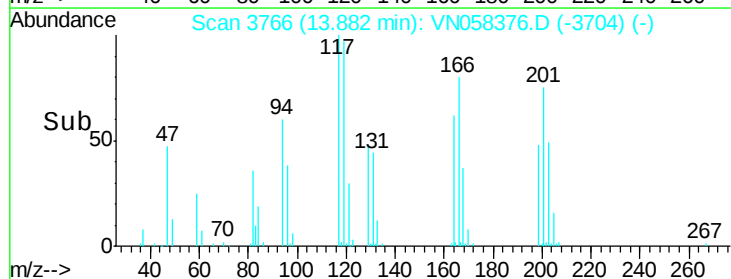
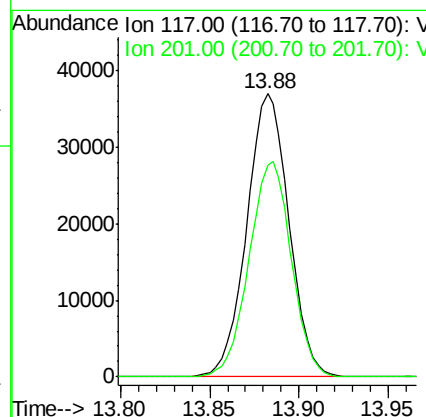
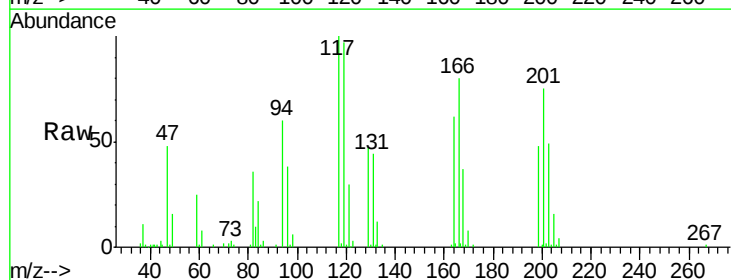
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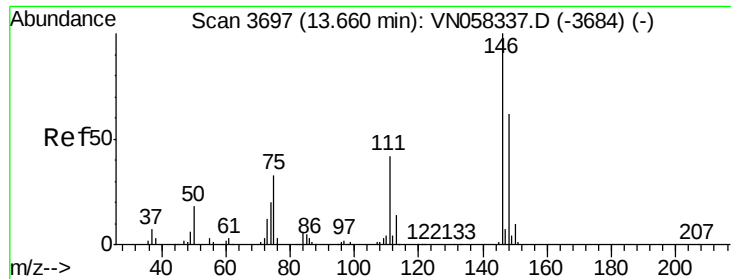
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#86
Hexachloroethane
Concen: 18.773 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	37.2	111.6





#87

1,2-Dichlorobenzene

Concen: 19.483 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Instrument :

MSVOA_N

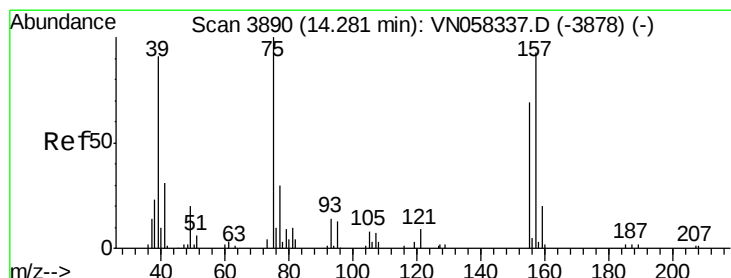
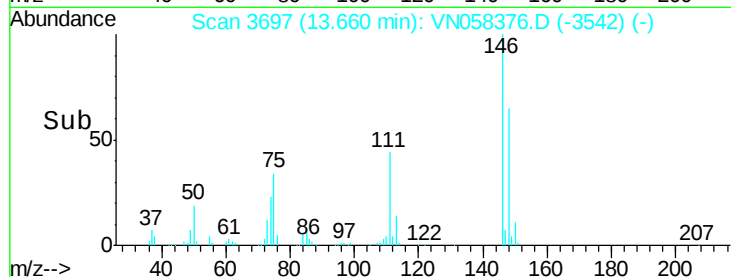
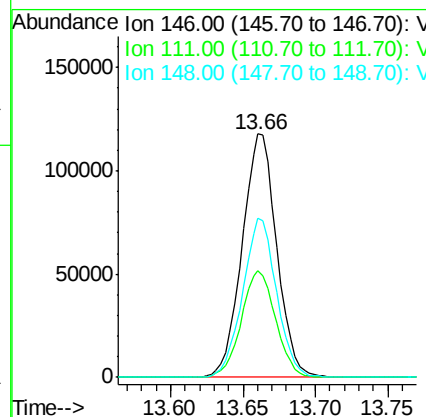
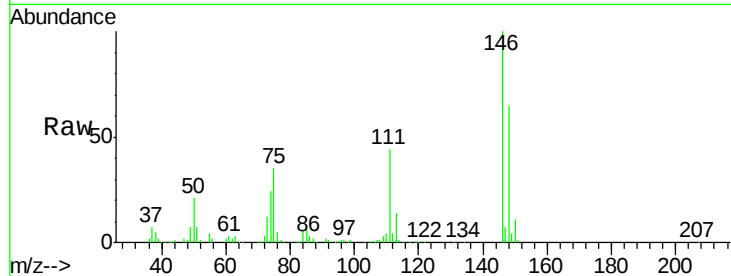
ClientSampleId :

VN0926WBS01

Tot Ion:	146	Resp:	194852
Ion Ratio		Lower	Upper
146	100		
111	43.5	21.1	63.3
148	64.0	31.9	95.7

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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.644 ug/l

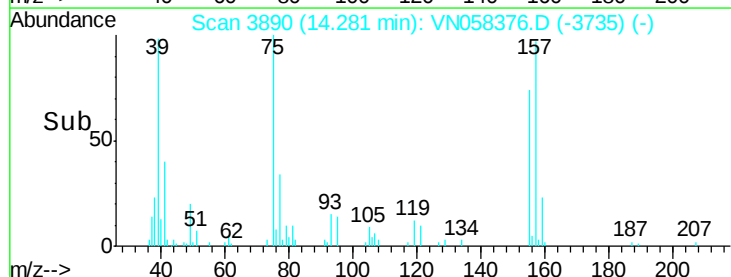
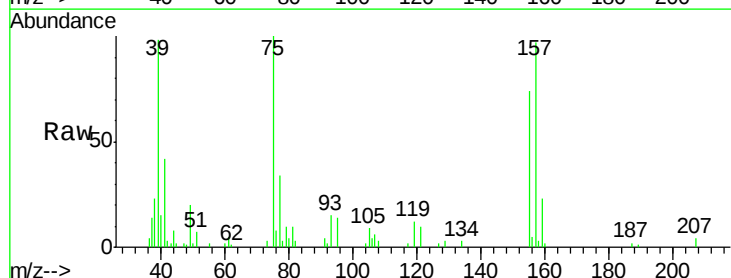
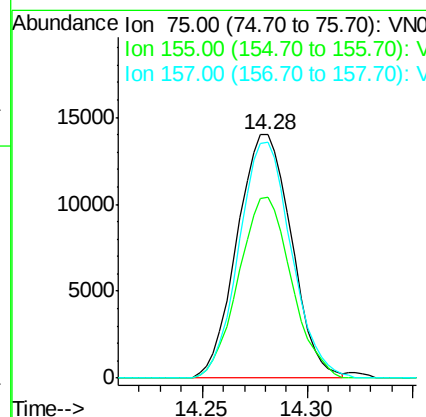
RT: 14.28 min Scan# 3890

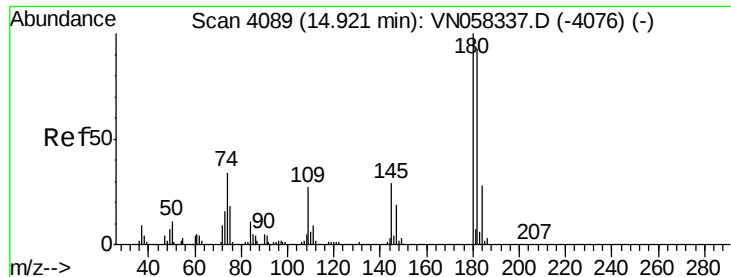
Delta R.T. -0.00 min

Lab File: VN058376.D

Acq: 26 Sep 2019 11:39

Tgt Ion:	75	Resp:	25085
Ion Ratio		Lower	Upper
75	100		
155	72.2	58.5	87.7
157	93.5	75.4	113.2





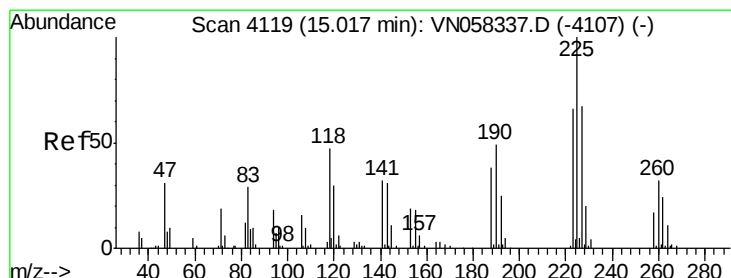
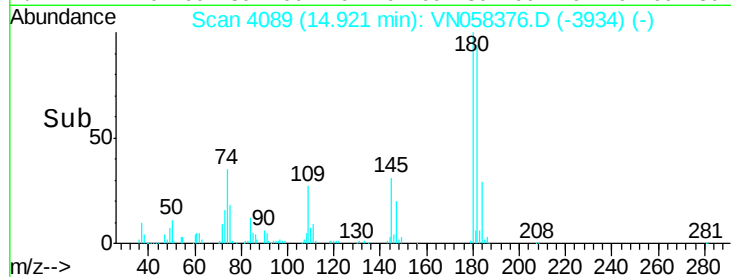
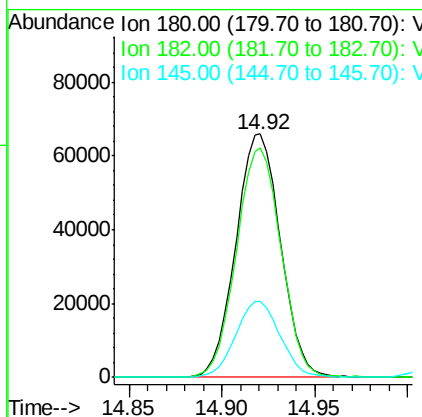
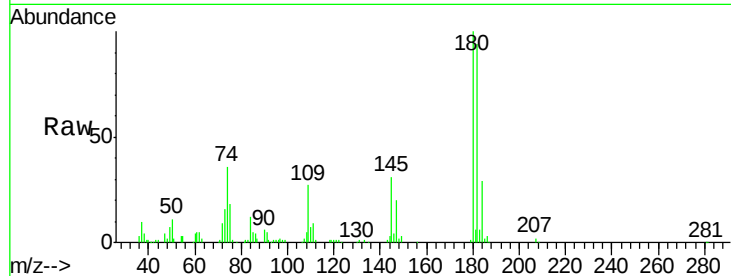
#89
 1,2,4-Trichlorobenzene
 Concen: 16.881 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110303		
182	94.0	75.2	112.8	
145	31.0	25.1	37.7	

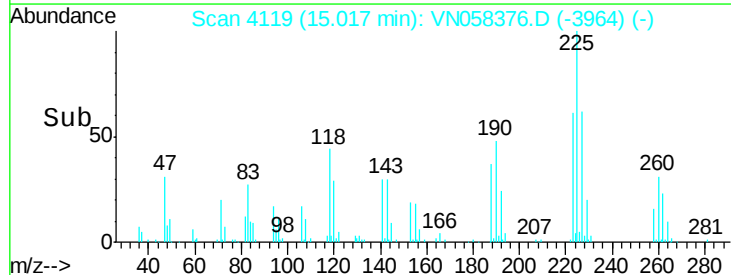
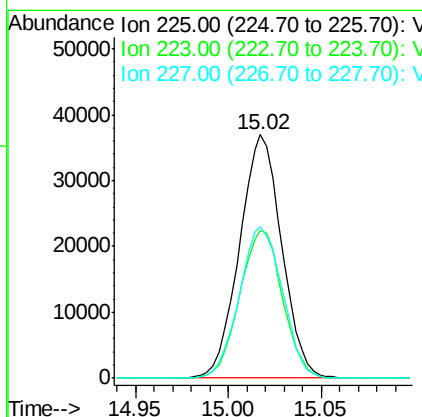
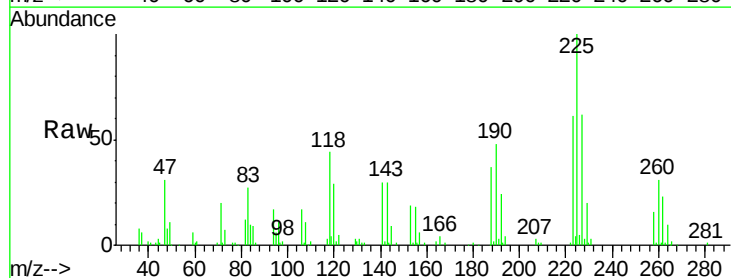
Manual Integrations
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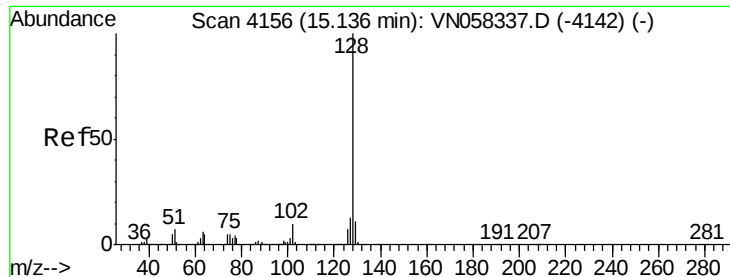
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#90
 Hexachlorobutadiene
 Concen: 18.437 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058376.D
 Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58289		
223	61.4	0.0	132.6	
227	63.4	0.0	129.2	





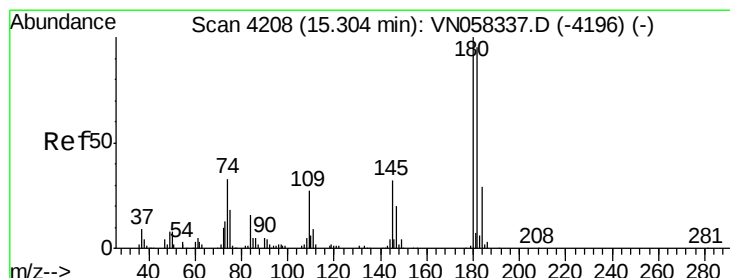
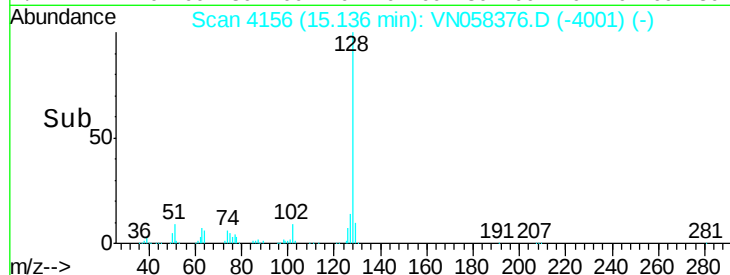
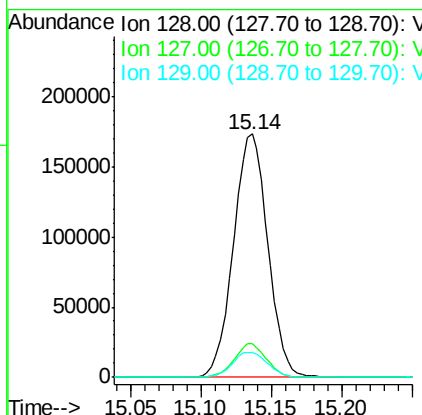
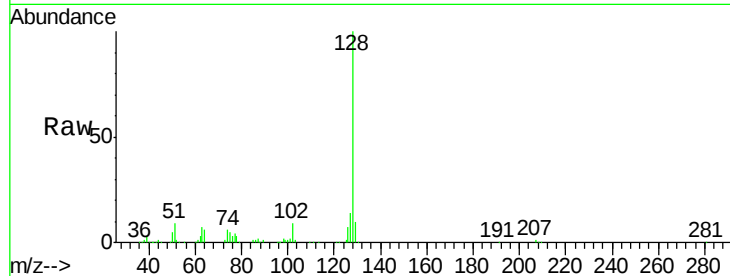
#91
Naphthalene
Concen: 16.485 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	295810		
127	13.0		10.2	15.4
129	10.6		8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 16.451 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058376.D
Acq: 26 Sep 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	103238		
182	96.8		0.0	189.4
145	32.3		0.0	64.0

