

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058668.D
 Acq On : 10 Oct 2019 16:44
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 3:25:51 PM

Quant Time: Oct 11 04:19:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:10:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	71635	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	403969	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	362123	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	189310	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	12.40	95	180391	28.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.47%
63) Toluene-d8	10.08	98	518231	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	20578	4.857 ug/l	99
3) Chloromethane	2.04	50	30278	5.982 ug/l	95
4) Vinyl Chloride	2.17	62	29998	5.905 ug/l	99
5) Bromomethane	2.54	94	19481	6.726 ug/l	94
6) Chloroethane	2.68	64	19860	6.553 ug/l	99
7) Trichlorofluoromethane	3.00	101	37102	6.180 ug/l	99
8) Diethyl Ether	3.39	74	14214	5.449 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.73	101	21850	5.454 ug/l	84
10) 1,1-Dichloroethene	3.71	96	22283	5.679 ug/l	96
11) Methyl Iodide	3.93	142	27528	6.306 ug/l	96
12) Methyl Acetate	4.30	43	34896	6.416 ug/l	97
13) Acrolein	3.58	56	20333	82.495 ug/l	97
14) Acrylonitrile	4.96	53	63269	28.683 ug/l #	87
15) Acetone	3.80	58	19502	31.935 ug/l	83
16) Carbon Disulfide	4.03	76	64268	5.759 ug/l	99
17) Allyl chloride	4.30	41	41103	5.528 ug/l	95
18) Methylene Chloride	4.53	84	26801	5.771 ug/l	93
19) trans-1,2-Dichloroethene	5.02	96	23186	5.288 ug/l	86
20) Diisopropyl ether	5.93	45	81391m	5.180 ug/l	
21) 1,1-Dichloroethane	5.82	63	47148	5.381 ug/l	96
22) cis-1,2-Dichloroethene	6.81	96	27298	5.338 ug/l	98
23) tert-Butyl Alcohol	4.75	59	26516m	31.707 ug/l	
24) Methyl tert-Butyl Ether	5.02	73	76102	5.361 ug/l	99
25) Chloroform	7.35	83	47130	5.318 ug/l	98
26) Cyclohexane	7.64	56	39892	4.941 ug/l	97
29) 1,1-Dichloropropene	7.78	75	34349	5.200 ug/l	99
30) 2-Butanone	6.82	43	92432	29.644 ug/l	99
31) 2,2-Dichloropropane	6.80	77	44155	6.348 ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	41092	5.663 ug/l	99
33) Carbon Tetrachloride	7.75	117	34356	5.551 ug/l	94
34) Benzene	8.03	78	105006	5.568 ug/l #	73
35) Methacrylonitrile	7.16	41	14597m	5.337 ug/l	
36) 1,2-Dichloroethane	8.11	62	40196	5.446 ug/l	99
37) Trichloroethene	8.82	130	25312	5.371 ug/l	94
38) Methylcyclohexane	9.07	83	39121	4.927 ug/l	98
39) 1,2-Dichloropropane	9.11	63	28367	5.476 ug/l	100
40) Dibromomethane	9.20	93	17663	5.419 ug/l	99

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	34933	5.366	ug/l	97
42) Vinyl Acetate	5.87	43	332768	28.448	ug/l	99
43) Ethyl Acetate	6.91	43	38979	6.234	ug/l #	84
44) Isopropyl Acetate	8.15	43	59282	5.446	ug/l #	89
45) 1,4-Dioxane	9.19	88	9056	101.478	ug/l	96
46) Methyl methacrylate	9.19	41	26129	5.093	ug/l	96
47) n-amyl Acetate	12.07	43	46927	4.916	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	39161	5.425	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	41019	5.189	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	25063	5.483	ug/l	98
51) Ethyl methacrylate	10.43	69	34809	4.800	ug/l	96
52) 1,3-Dichloropropane	10.71	76	44993	5.548	ug/l	99
53) Dibromochloromethane	10.90	129	24848	5.302	ug/l	98
54) 1,2-Dibromoethane	11.00	107	25013	5.342	ug/l	95
55) 2-Chloroethyl vinyl ether	9.69	63	87949	27.302	ug/l	100
56) Bromoform	12.13	173	16102	5.309	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	179527	30.512	ug/l	99
59) 2-Hexanone	10.75	43	133395	29.786	ug/l	100
61) Tetrachloroethene	10.63	164	22416	5.781	ug/l	99
62) Toluene	10.15	91	108699	5.461	ug/l	100
64) Chlorobenzene	11.43	112	65097	5.319	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	23782	5.432	ug/l	99
66) Ethyl Benzene	11.51	91	116794	5.393	ug/l	100
67) m/p-Xylenes	11.62	106	83382	10.014	ug/l	100
68) o-Xylene	11.95	106	41334	5.111	ug/l	100
69) Styrene	11.97	104	62859	4.665	ug/l	100
70) Isopropylbenzene	12.25	105	110915	5.285	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.51	83	38410	5.630	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	34759m	5.882	ug/l	
73) Bromobenzene	12.53	156	28045	5.475	ug/l	96
74) n-propylbenzene	12.59	91	128667	5.302	ug/l	98
75) 2-Chlorotoluene	12.68	91	77642	5.121	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	93764	5.185	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	11266	5.550	ug/l	95
78) 4-Chlorotoluene	12.78	91	77348	4.981	ug/l	97
79) tert-butylbenzene	13.00	119	79000	5.024	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	89827	4.990	ug/l	99
81) sec-Butylbenzene	13.18	105	106139	5.171	ug/l	99
82) p-Isopropyltoluene	13.29	119	91381	4.933	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	46583	4.939	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	46949	4.984	ug/l	99
85) n-Butylbenzene	13.62	91	80558	4.700	ug/l	99
86) Hexachloroethane	13.88	117	16774	5.378	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	47516	5.164	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	8158	5.878	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	28068	4.645	ug/l	98
90) Hexachlorobutadiene	15.02	225	15949	5.411	ug/l	97
91) Naphthalene	15.13	128	80584	4.790	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	27962	4.800	ug/l	96

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VSTDICC005

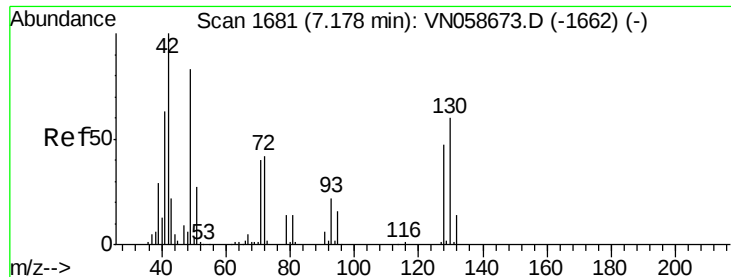
Manual Integrations
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QLast Update : Fri Oct 11 04:10:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 71635

Ion Ratio Lower Upper

128 100

49 184.3 0.0 453.5

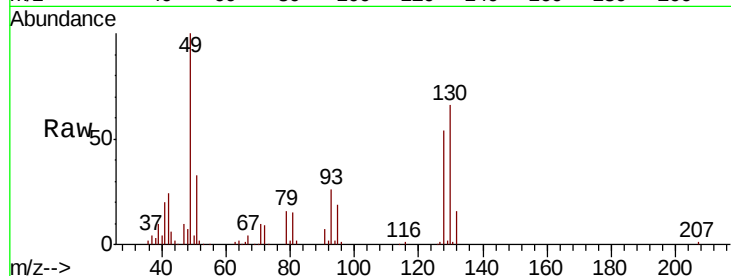
130 128.0 0.0 314.2

Manual Integrations

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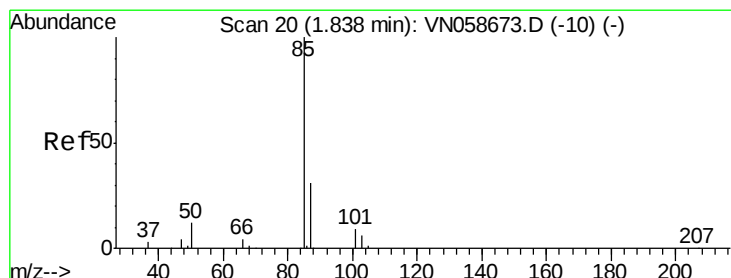
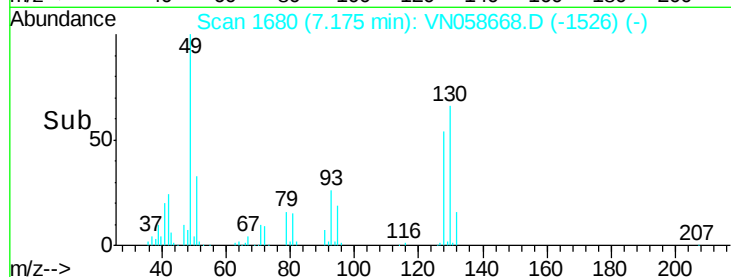
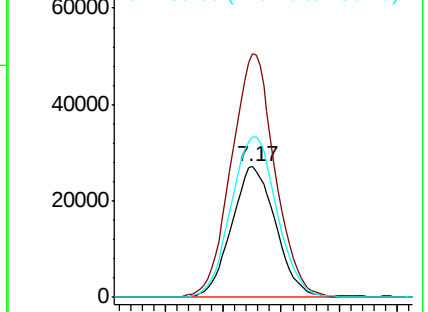
10/11/2019 3:25:51 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.857 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058668.D

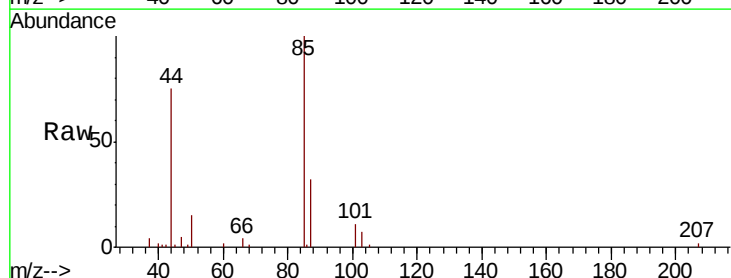
Acq: 10 Oct 2019 16:44

Tgt Ion: 85 Resp: 20578

Ion Ratio Lower Upper

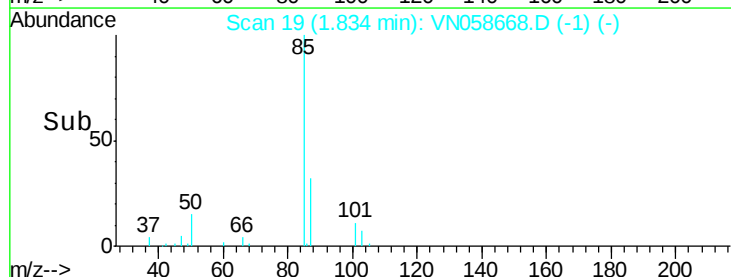
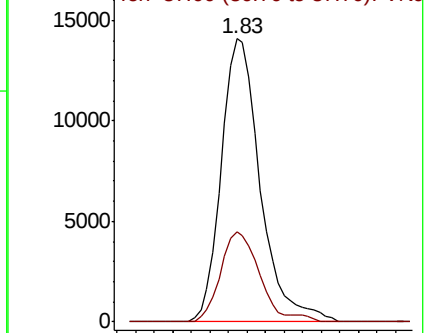
85 100

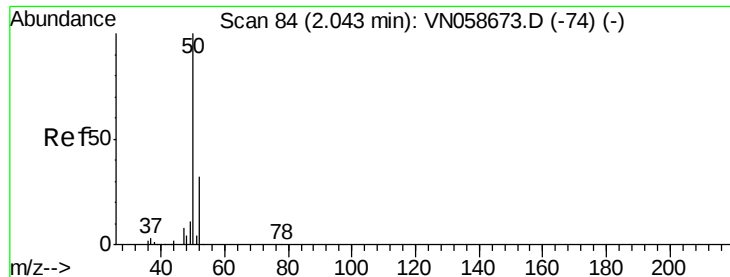
87 32.0 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 5.982 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 30278

Ion Ratio Lower Upper

50 100

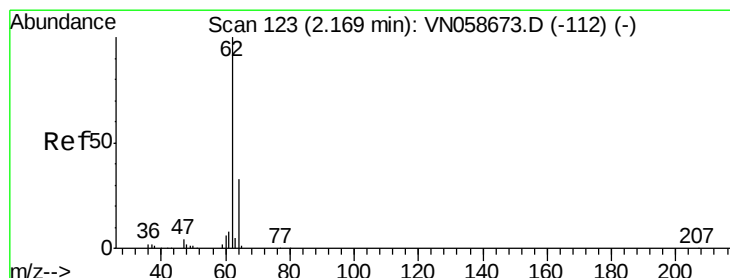
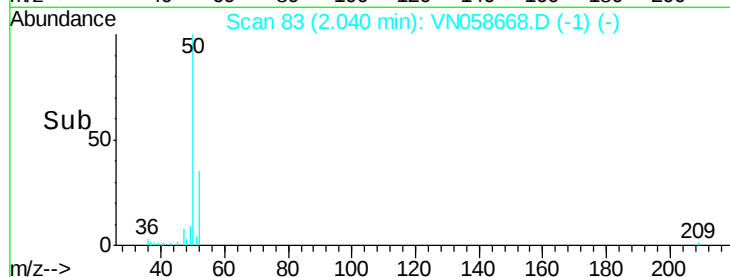
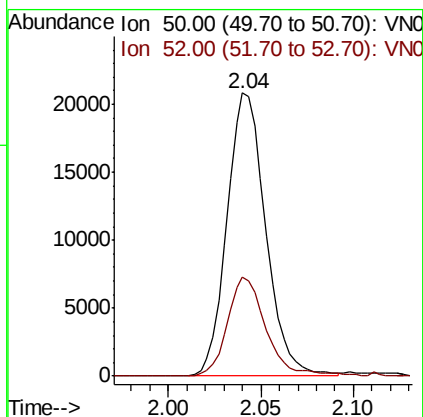
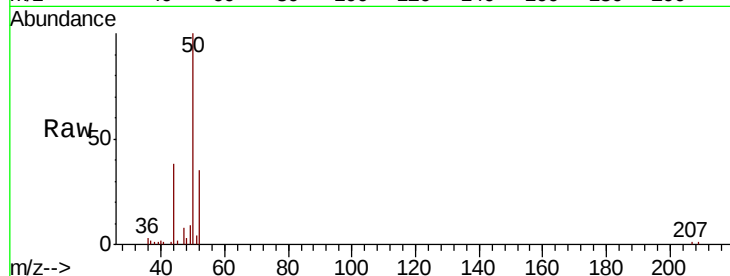
52 35.0 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.905 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058668.D

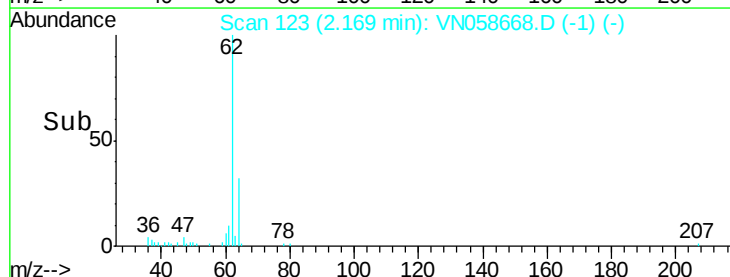
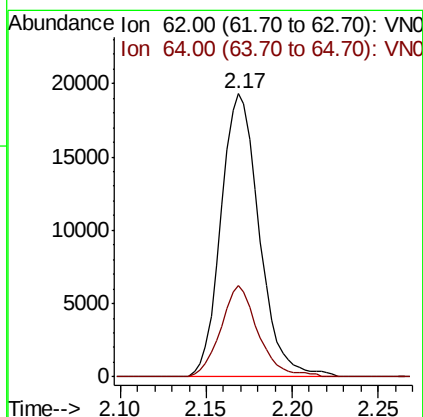
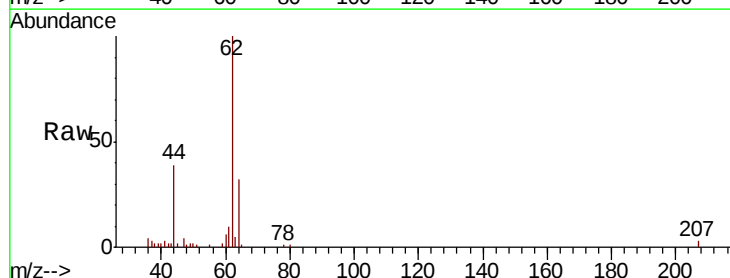
Acq: 10 Oct 2019 16:44

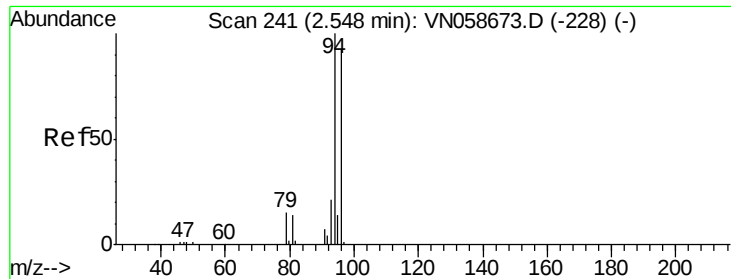
Tgt Ion: 62 Resp: 29998

Ion Ratio Lower Upper

62 100

64 32.2 26.1 39.1





#5

Bromomethane

Concen: 6.726 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 19481

Ion Ratio Lower Upper

94 100

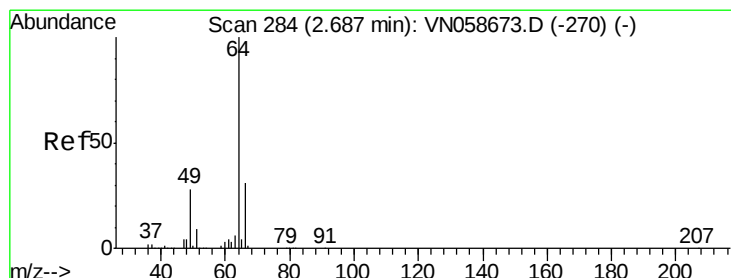
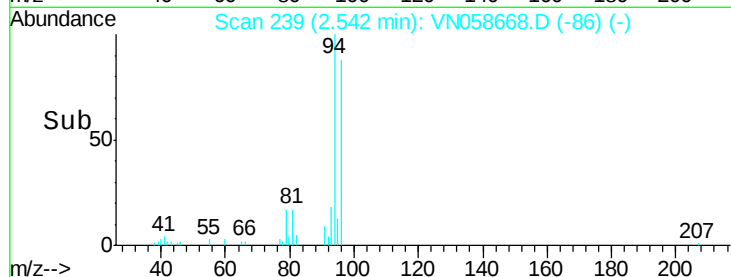
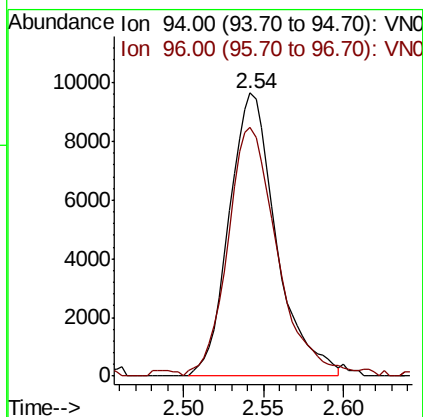
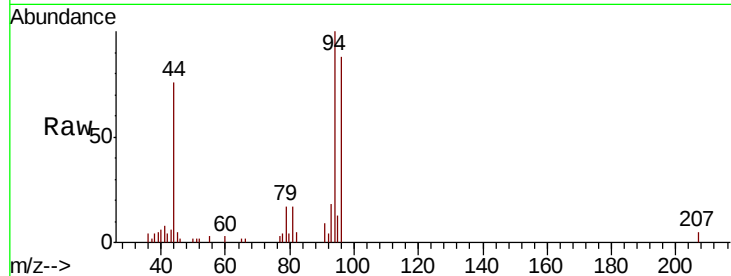
96 86.1 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 6.553 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058668.D

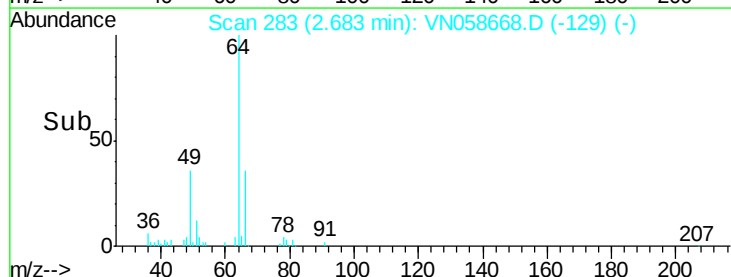
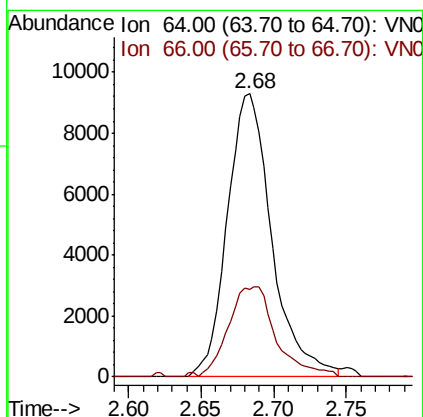
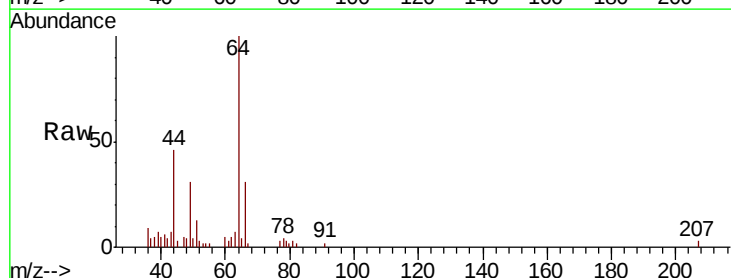
Acq: 10 Oct 2019 16:44

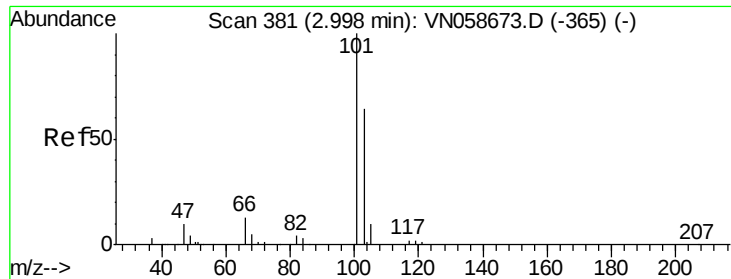
Tgt Ion: 64 Resp: 19860

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8





#7

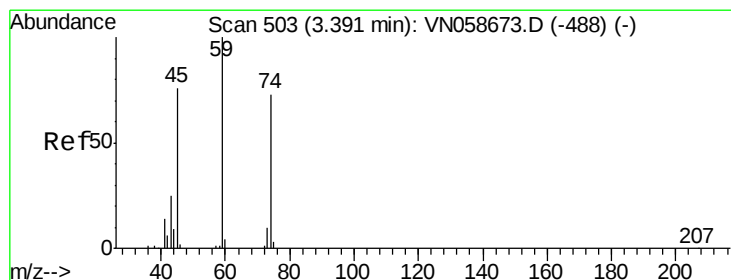
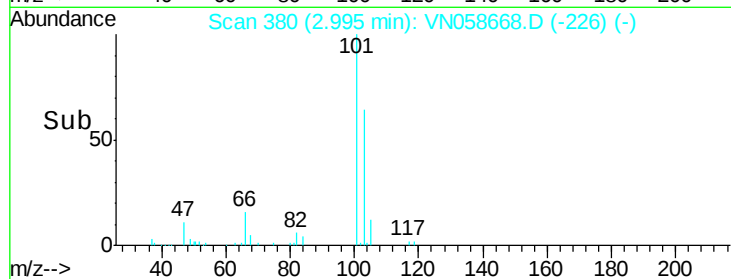
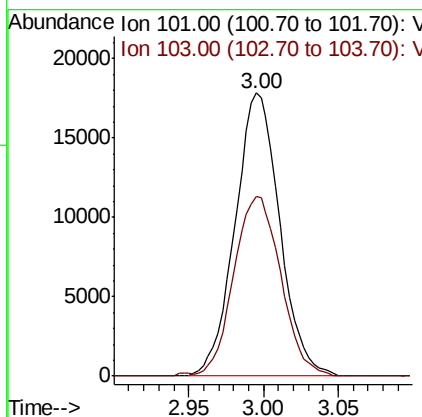
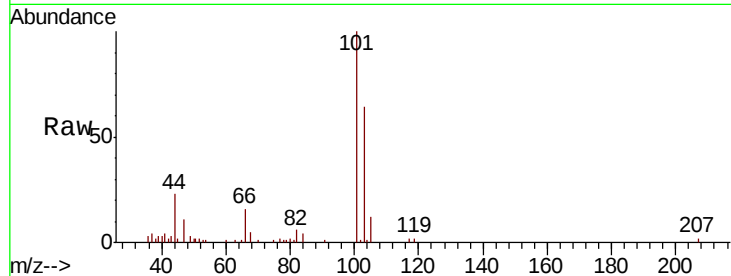
Trichlorofluoromethane
 Concen: 6.180 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.5	77.3

Manual Integrations
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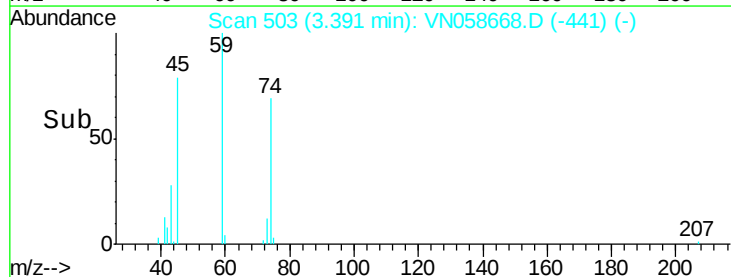
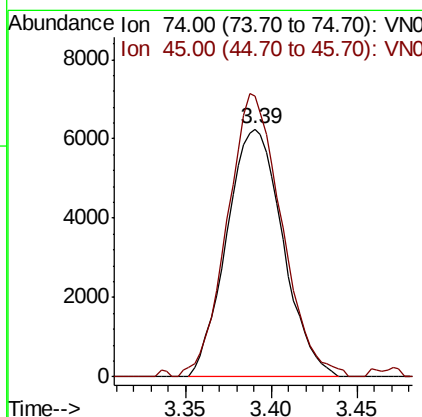
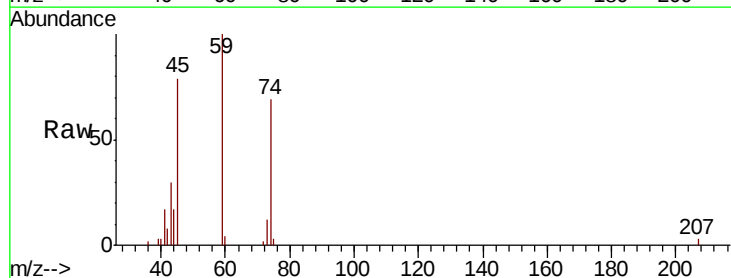
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 10/11/2019 3:25:51 PM

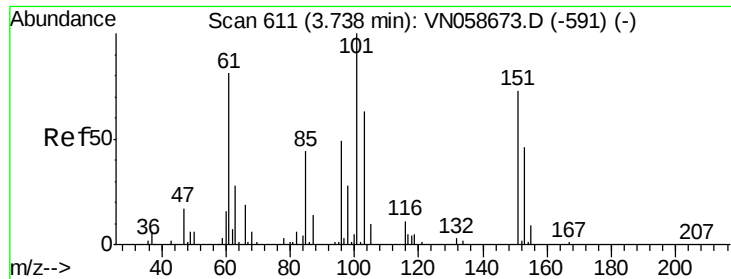


#8

Diethyl Ether
 Concen: 5.449 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.4	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.454 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

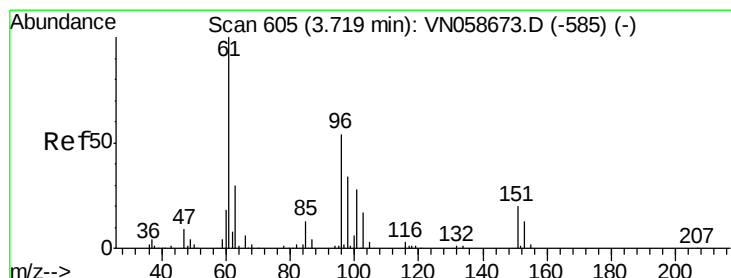
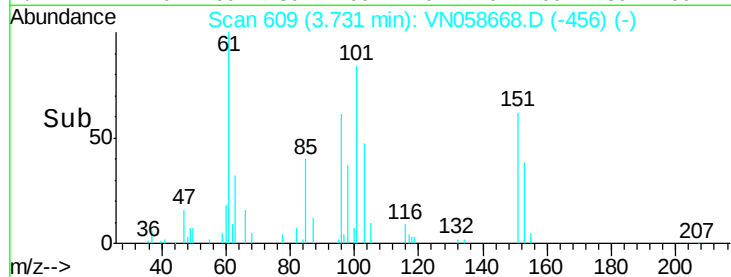
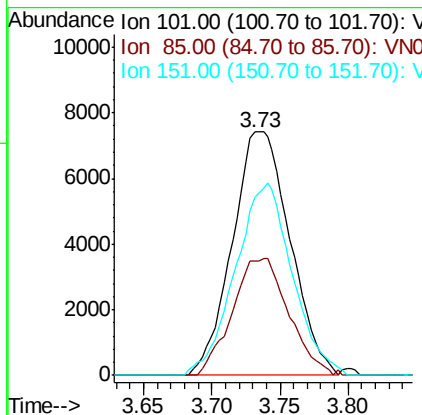
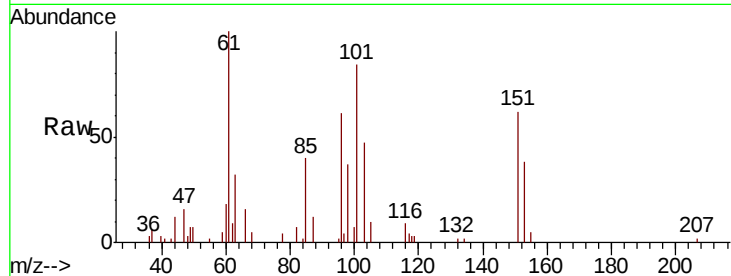
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	21850
Ion Ratio	Lower	Upper	
101	100		
85	23.5	0.0	93.8
151	77.6	0.0	149.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 5.679 ug/l

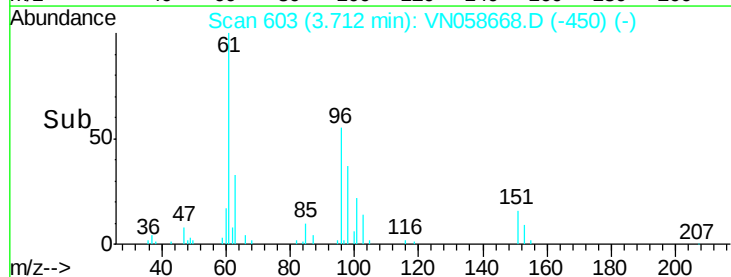
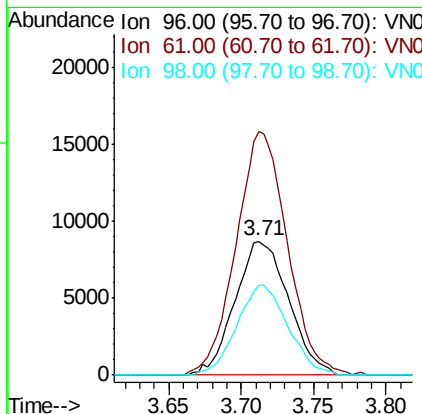
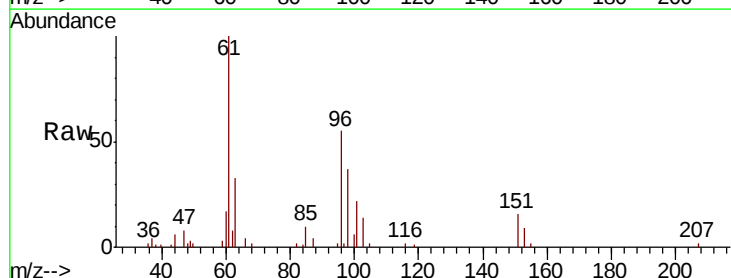
RT: 3.71 min Scan# 603

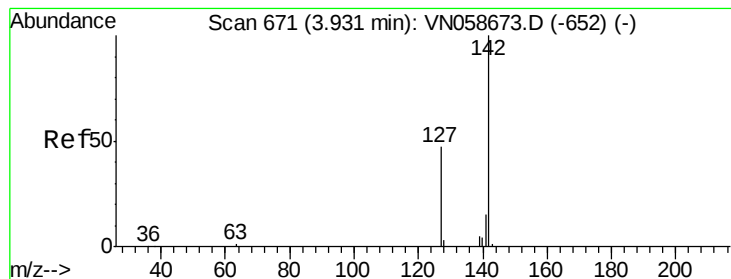
Delta R.T. -0.01 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Tgt Ion:	96	Resp:	22283
Ion Ratio	Lower	Upper	
96	100		
61	179.4	148.5	222.7
98	66.8	51.0	76.6





#11

Methyl Iodide

Concen: 6.306 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:142 Resp: 27528

Ion Ratio Lower Upper

142 100

127 45.4 23.5 70.6

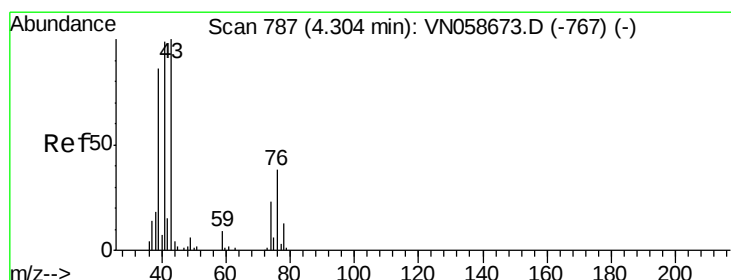
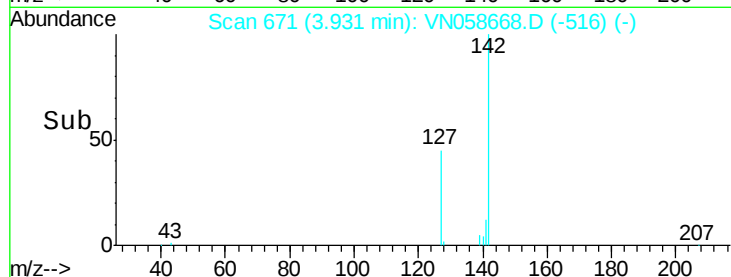
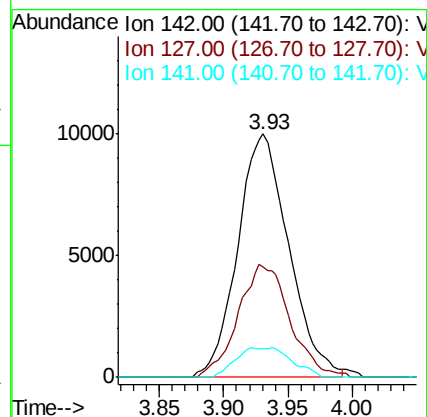
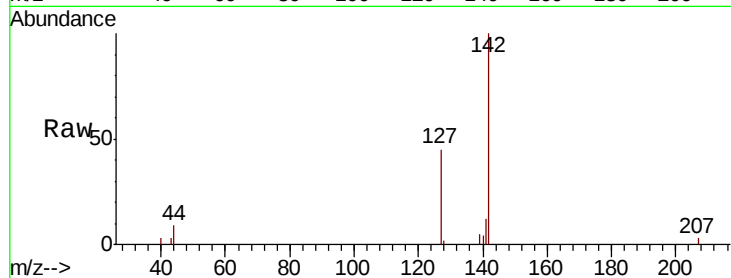
141 11.8 7.4 22.2

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#12

Methyl Acetate

Concen: 6.416 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058668.D

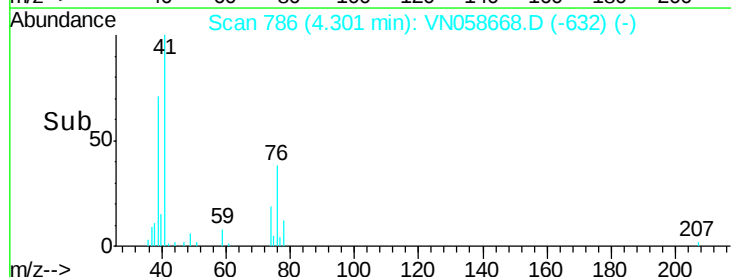
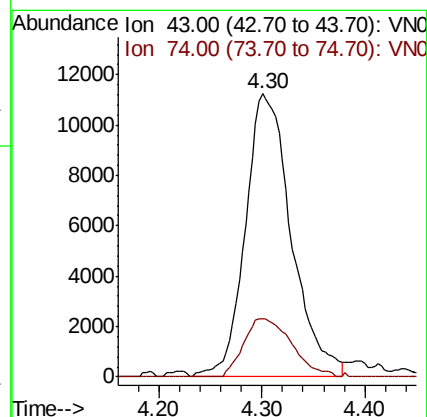
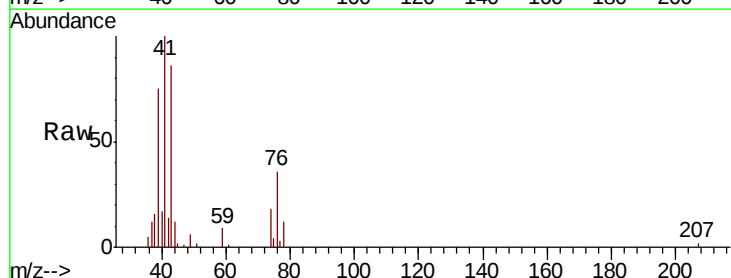
Acq: 10 Oct 2019 16:44

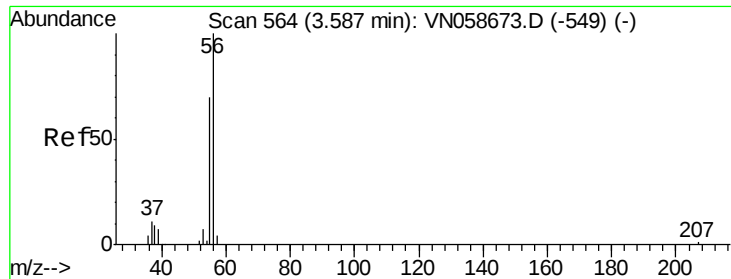
Tgt Ion: 43 Resp: 34896

Ion Ratio Lower Upper

43 100

74 21.0 18.1 27.1





#13

Acrolein

Concen: 82.495 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 20333

Ion Ratio Lower Upper

56 100

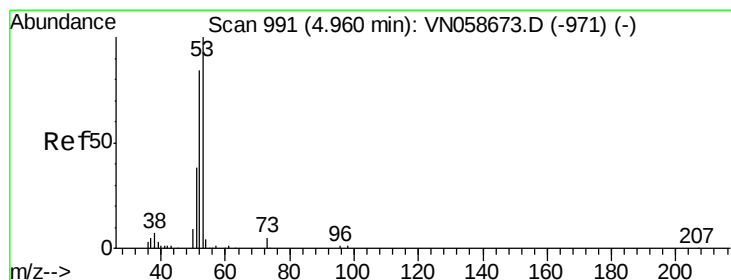
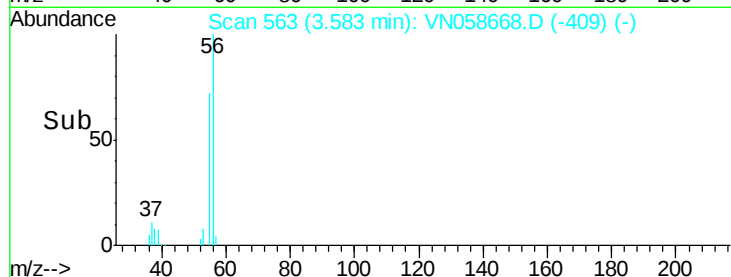
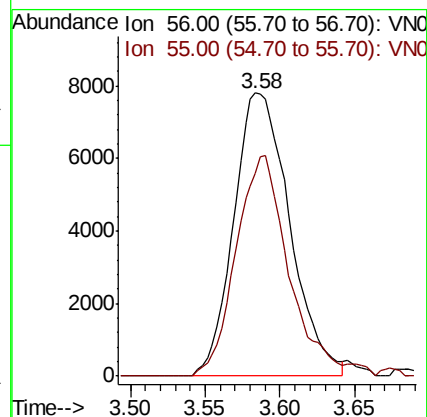
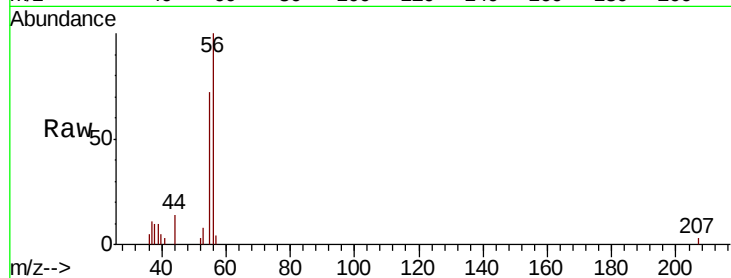
55 72.3 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 28.683 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

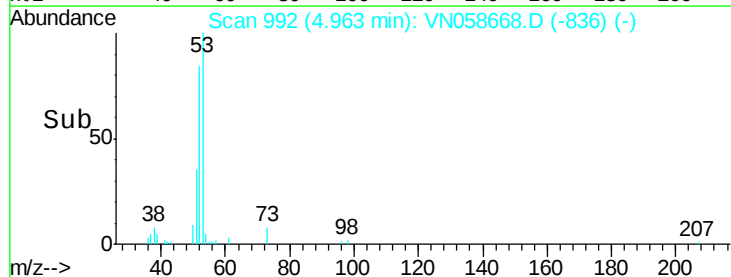
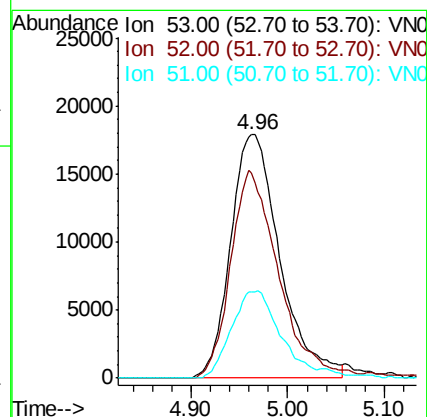
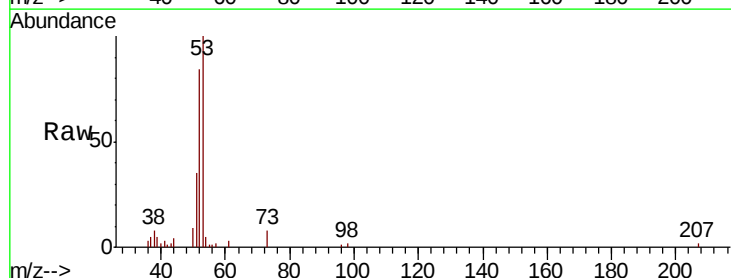
Tgt Ion: 53 Resp: 63269

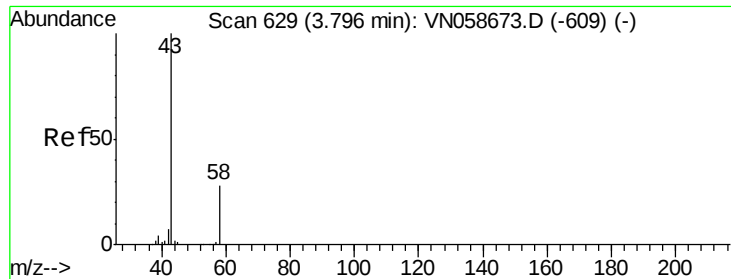
Ion Ratio Lower Upper

53 100

52 82.2 42.2 126.6

51 15.6 18.8 56.4#





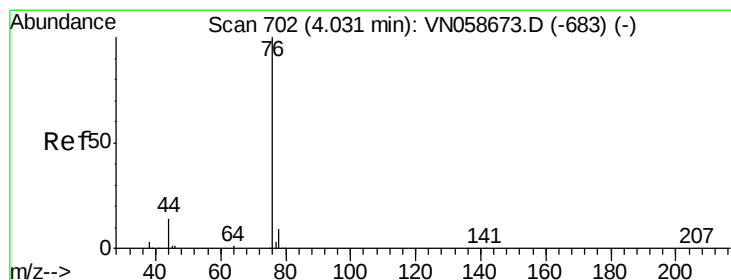
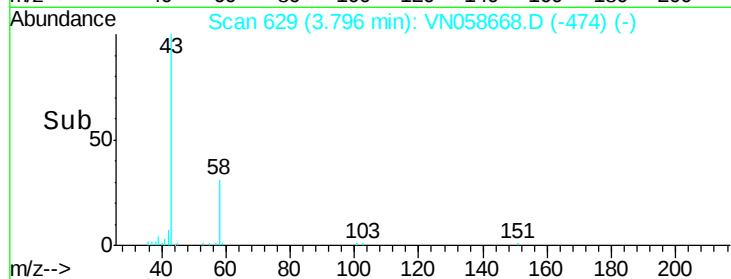
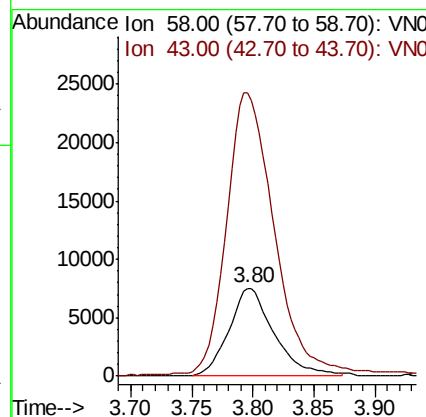
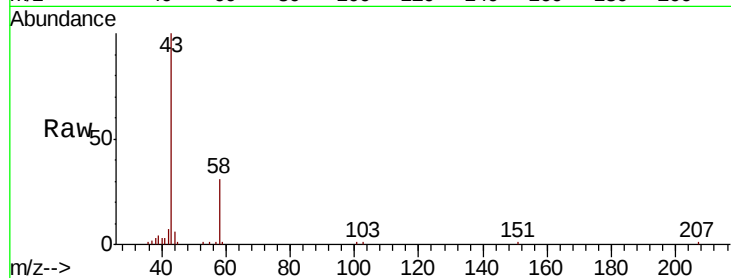
#15
Acetone
Concen: 31.935 ug/l
RT: 3.80 min Scan# 629
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 58 Resp: 19502
Ion Ratio Lower Upper
58 100
43 315.8 281.7 422.5

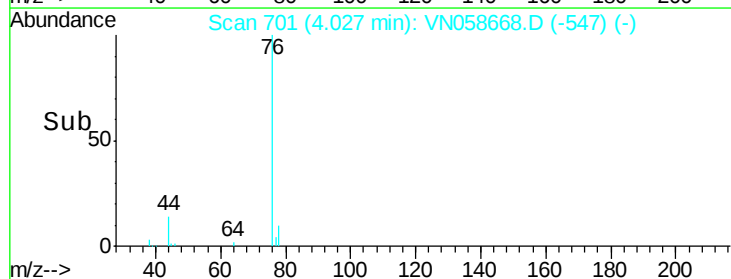
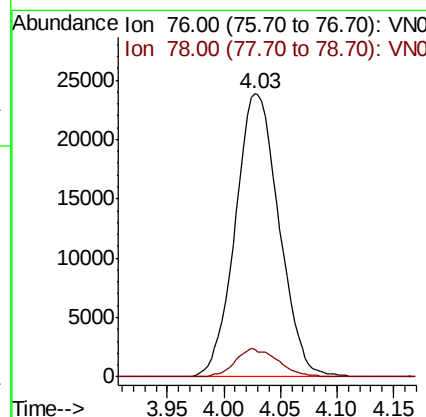
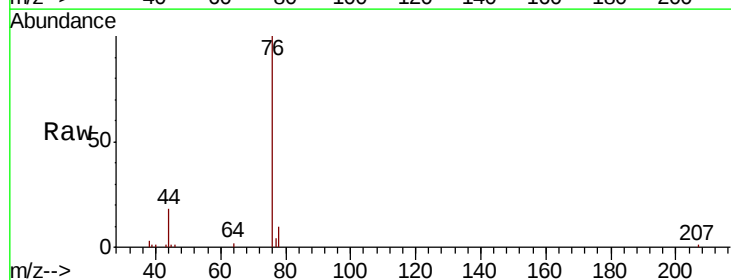
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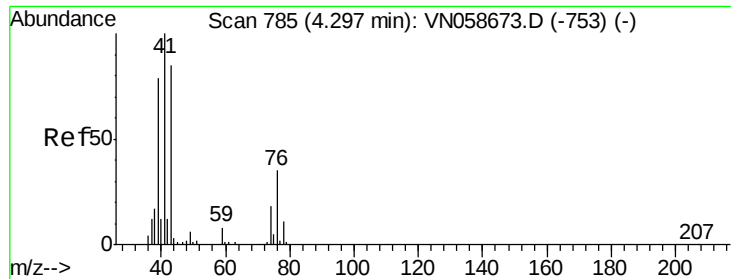
MMDadoda
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#16
Carbon Disulfide
Concen: 5.759 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 76 Resp: 64268
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0





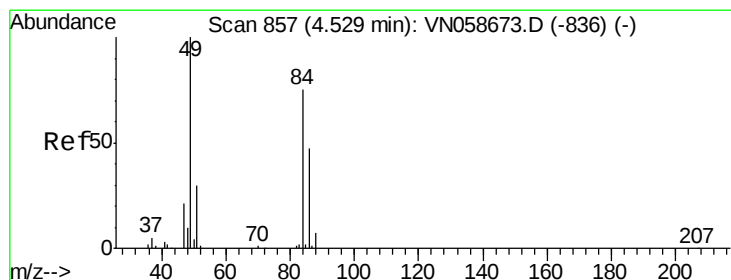
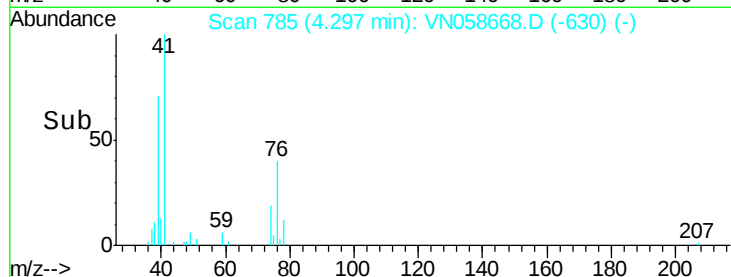
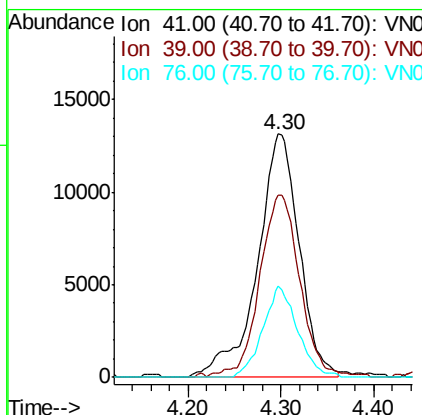
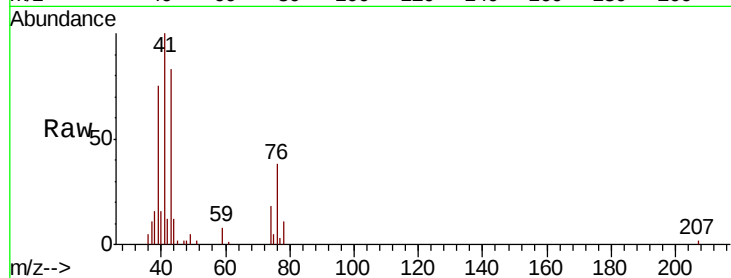
#17
Allvl chloride
Concen: 5.528 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.0	39.6	118.8
76	37.7	17.6	52.9

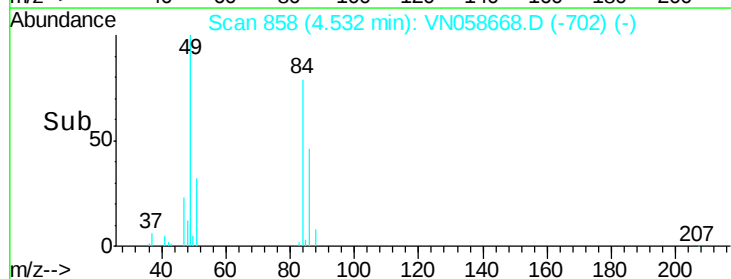
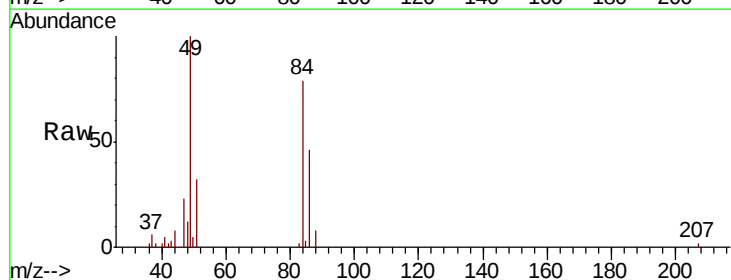
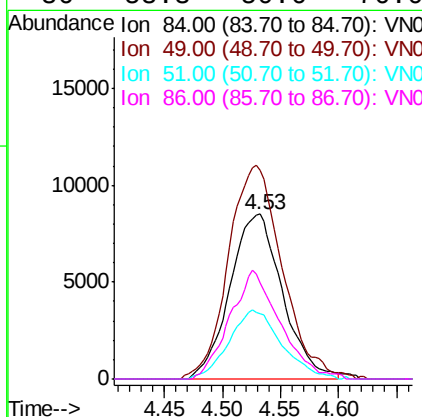
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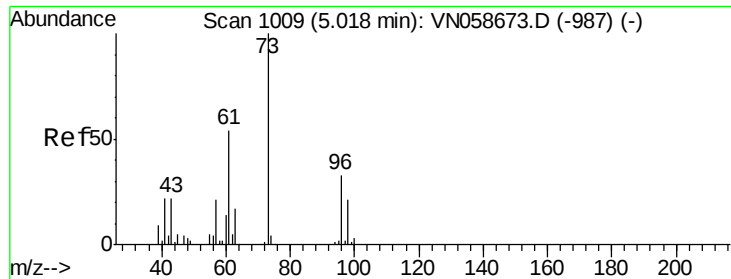
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#18
Methylene Chloride
Concen: 5.771 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.0	106.6	160.0
51	40.0	32.4	48.6
86	58.3	50.6	76.0





#19

trans-1,2-Dichloroethene

Concen: 5.288 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

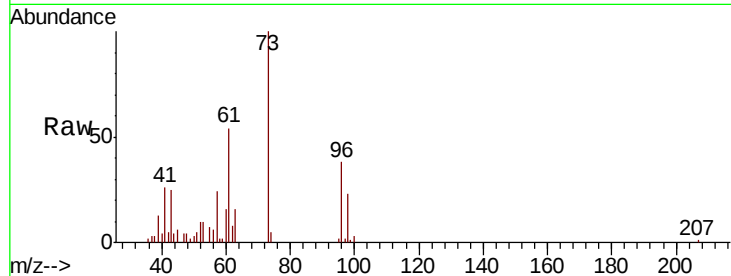
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	23186
Ion	Ratio	Lower	Upper
96	100		
61	141.7	131.8	197.6
98	61.0	52.6	79.0

Manual Integrations
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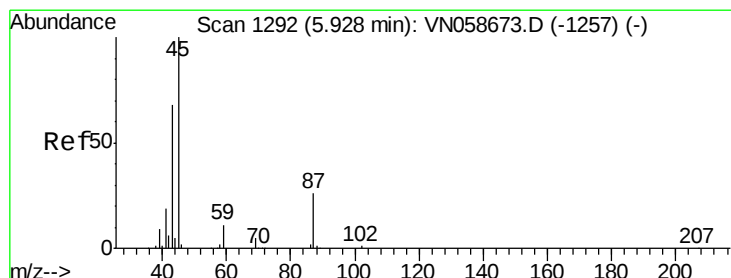
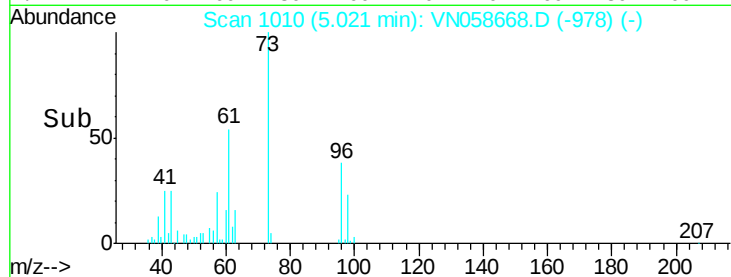
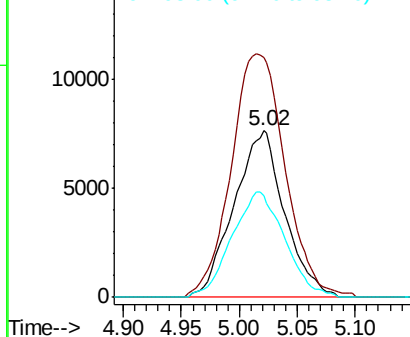


Abundance

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: 5.180 ug/l m

RT: 5.93 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Tgt Ion:	45	Resp:	81391
Ion	Ratio	Lower	Upper
45	100		
43	68.5	54.7	82.1
87	26.5	21.5	32.3
59	11.2	8.7	13.1

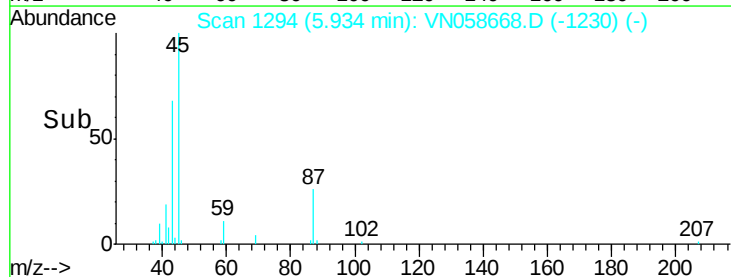
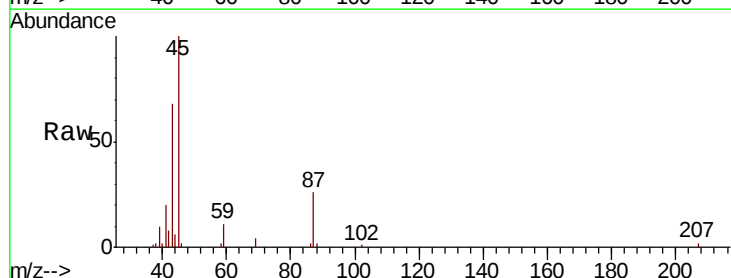
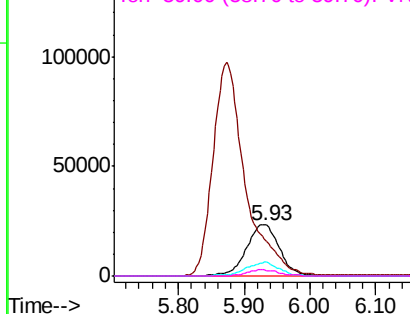
Abundance

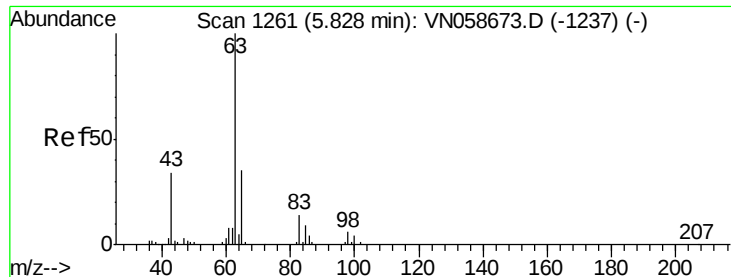
Ion 45.00 (44.70 to 45.70): VN0

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





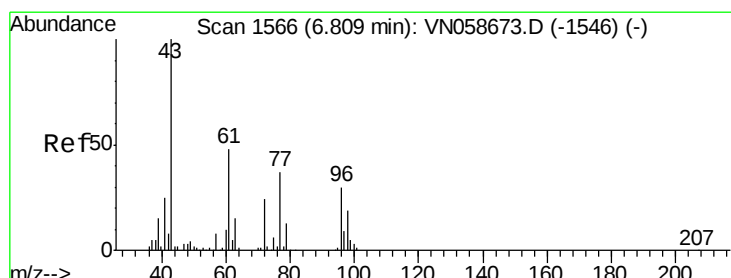
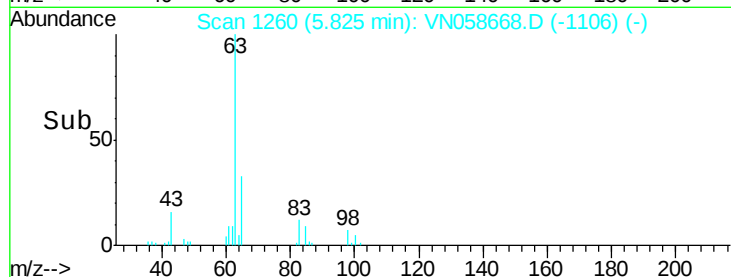
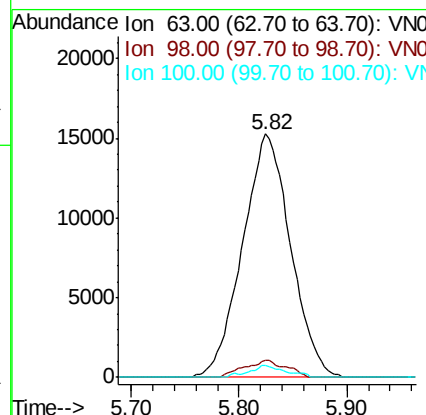
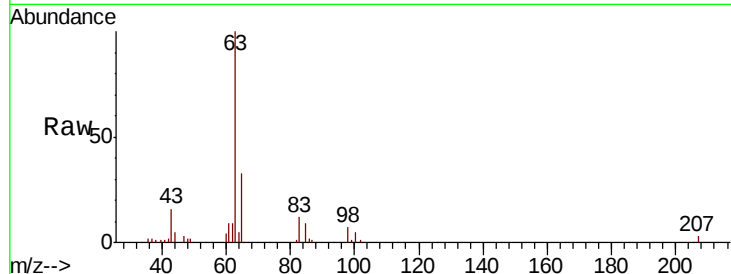
#21
 1,1-Dichloroethane
 Concen: 5.381 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
63	100	47148		
98	7.2		2.9	8.6
100	5.0		1.8	5.5

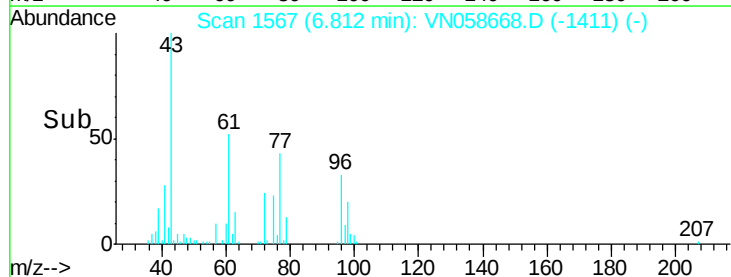
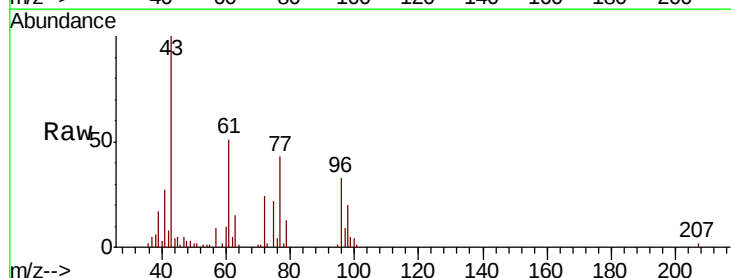
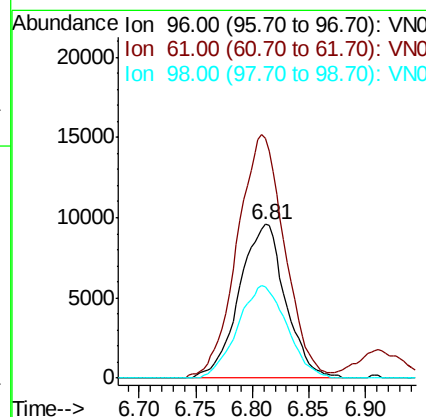
Manual Integrations
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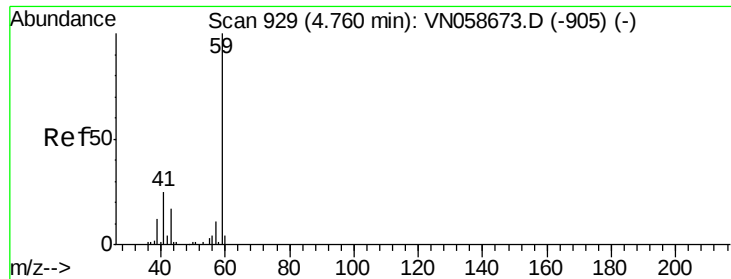
MMDadoda
 10/11/2019 3:25:51 PM



#22
 cis-1,2-Dichloroethene
 Concen: 5.338 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	27298		
61	161.9		127.2	190.8
98	63.7		50.5	75.7





#23

tert-Butyl Alcohol

Concen: 31.707 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 59 Resp: 26516

Ion Ratio Lower Upper

59 100

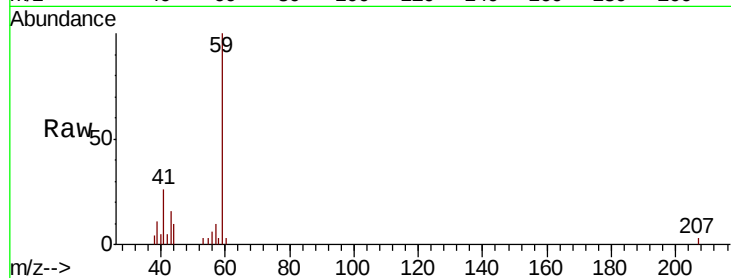
52 0.0 0.0 0.0

Manual Integrations

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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

15000

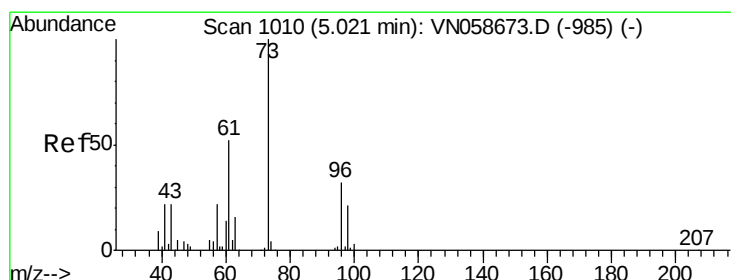
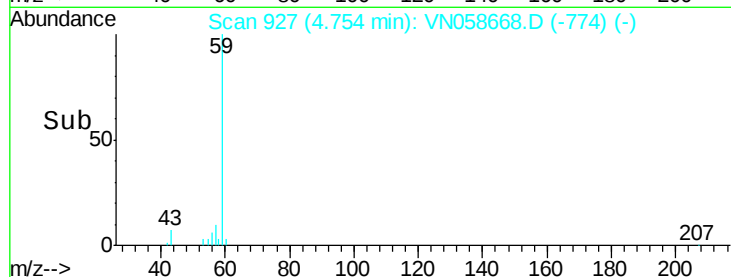
10000

5000

0

4.60 4.70 4.80 4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 5.361 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058668.D

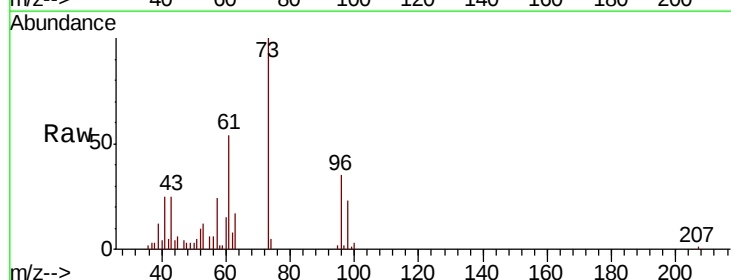
Acq: 10 Oct 2019 16:44

Tgt Ion: 73 Resp: 76102

Ion Ratio Lower Upper

73 100

43 22.1 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

20000

15000

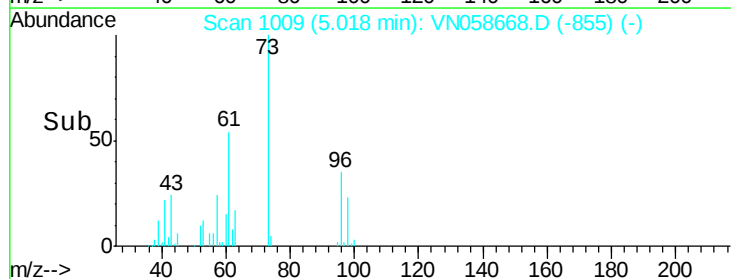
10000

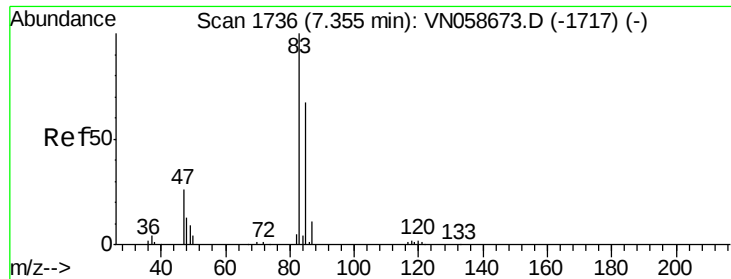
5000

0

4.90 5.00 5.10

Time-->





#25

Chloroform

Concen: 5.318 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 47130

Ion Ratio Lower Upper

83 100

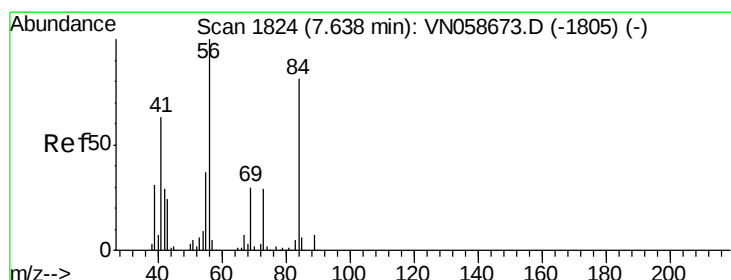
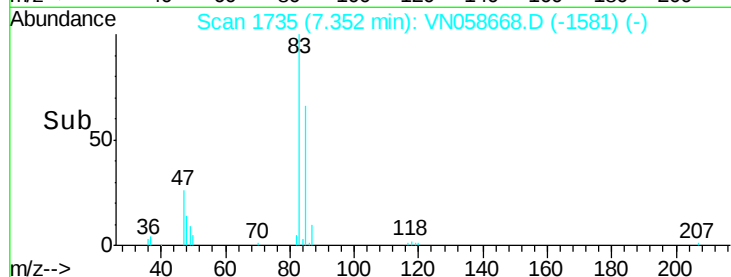
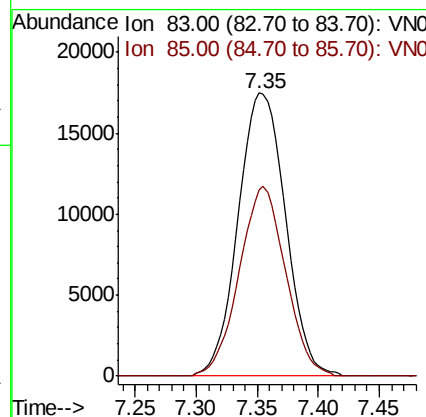
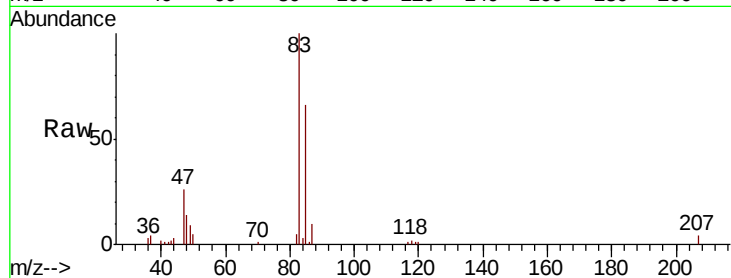
85 65.8 53.8 80.8

Manual Integrations

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#26

Cyclohexane

Concen: 4.941 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

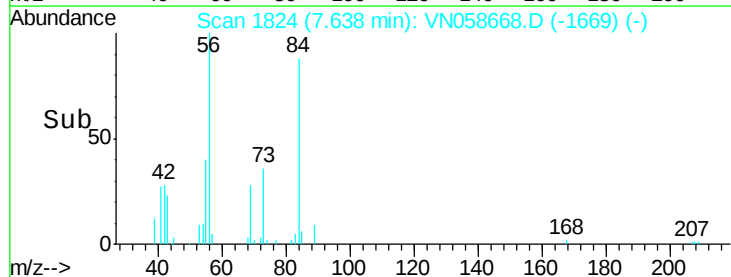
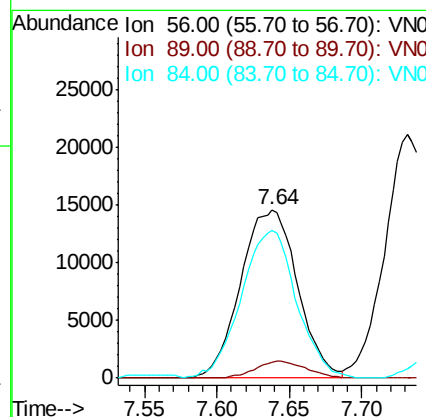
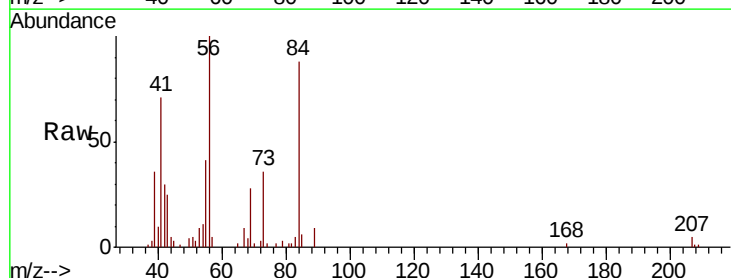
Tgt Ion: 56 Resp: 39892

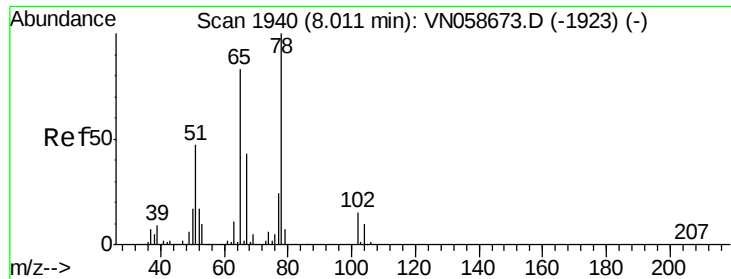
Ion Ratio Lower Upper

56 100

89 8.8 6.2 9.2

84 85.1 65.6 98.4





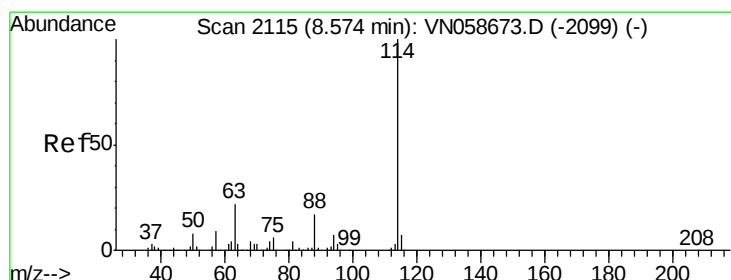
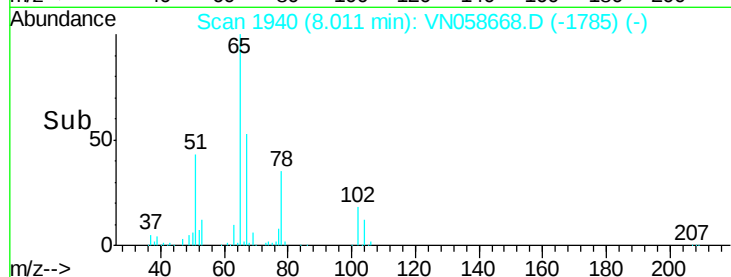
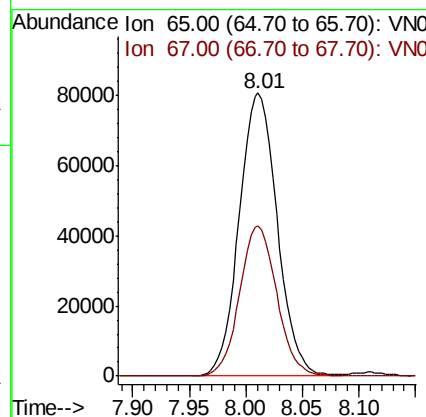
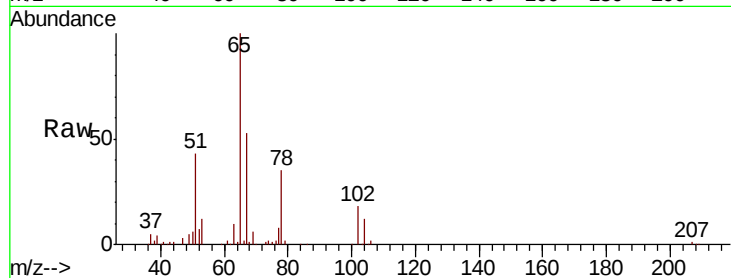
#27
 1,2-Dichloroethane-d4
 Concen: 30.134 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	41.5	62.3

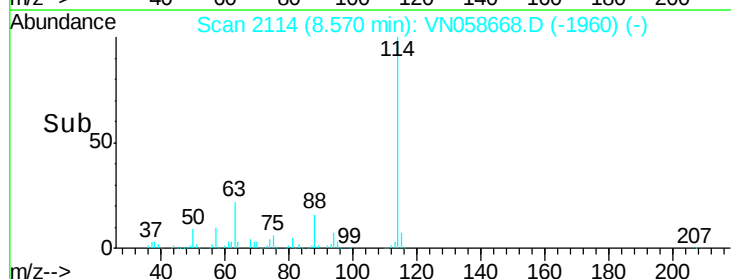
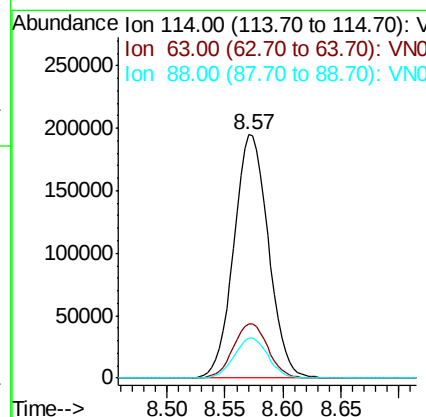
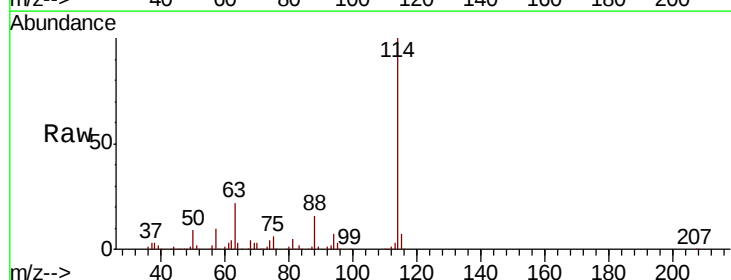
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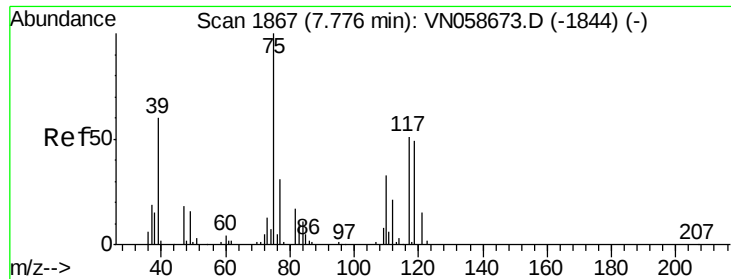
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.1	27.1
88	16.2	13.0	19.4





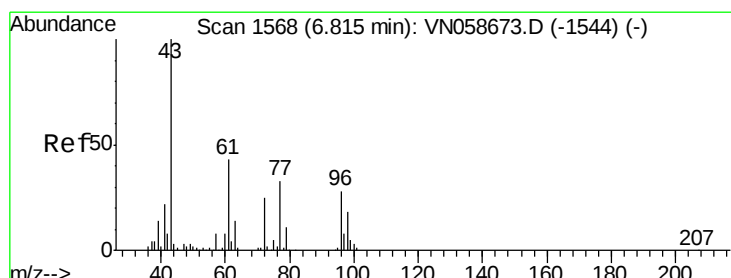
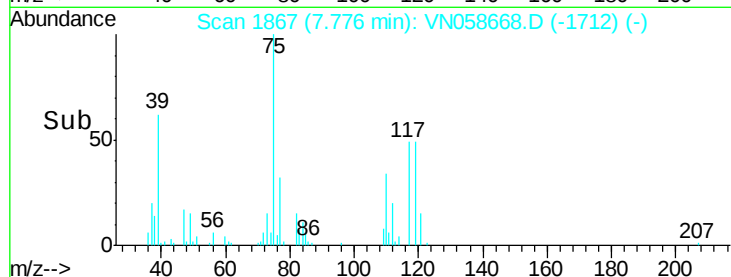
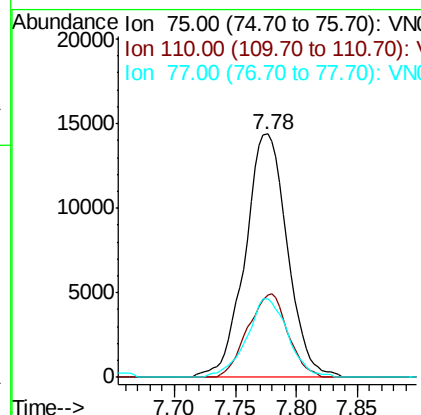
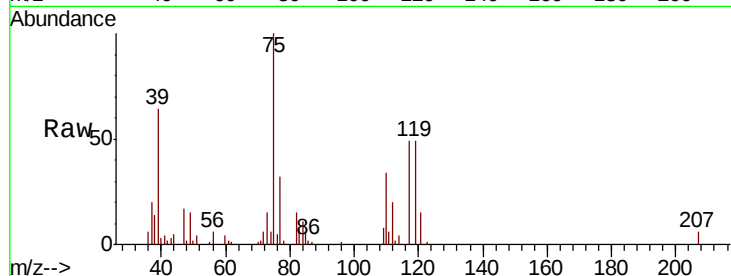
#29
 1,1-Dichloropropene
 Concen: 5.200 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.7	0.0	64.6
77	31.6	0.0	60.8

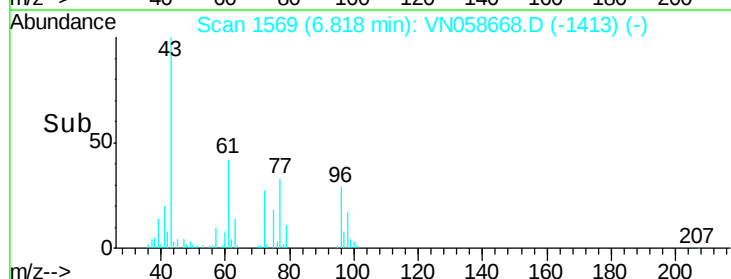
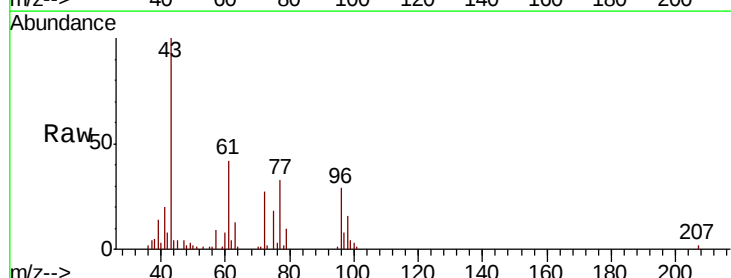
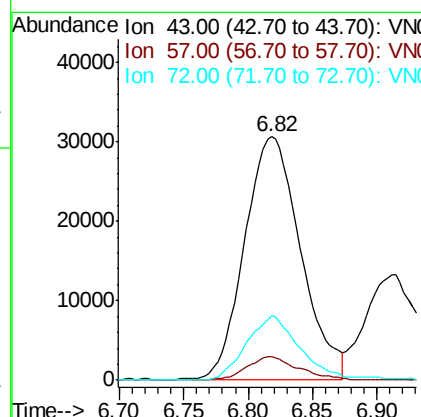
Manual Integrations
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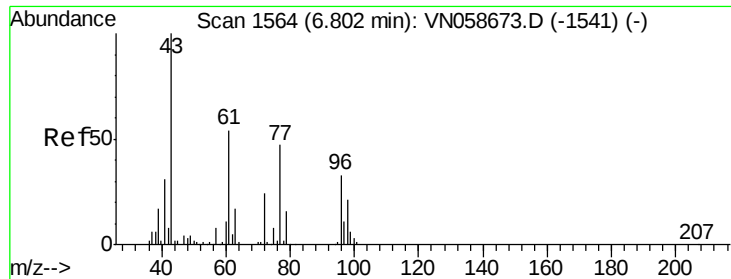
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#30
 2-Butanone
 Concen: 29.644 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.9	6.5	9.7
72	25.2	20.1	30.1





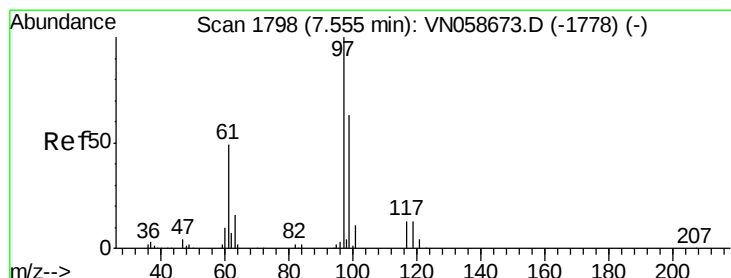
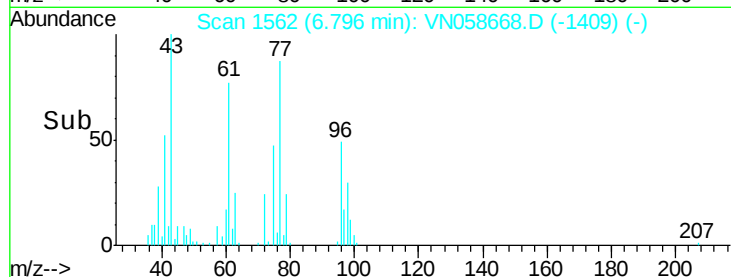
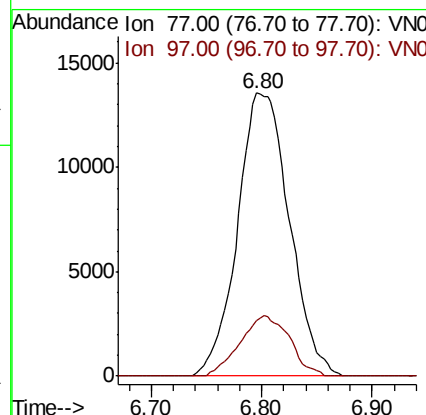
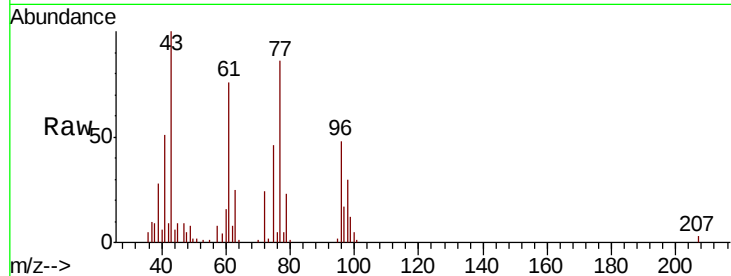
#31
 2,2-Dichloropropane
 Concen: 6.348 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.5	17.9	26.9

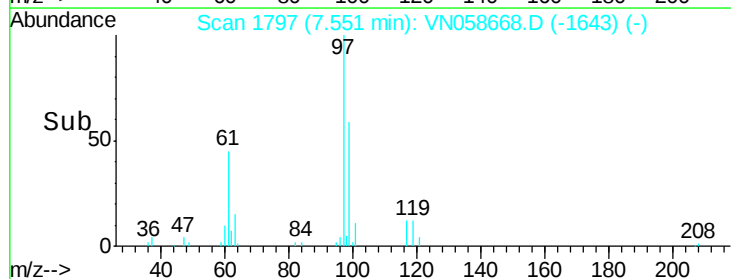
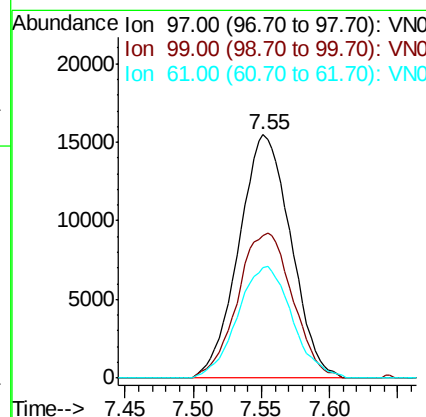
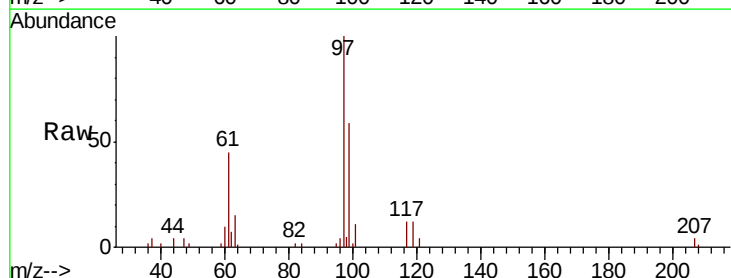
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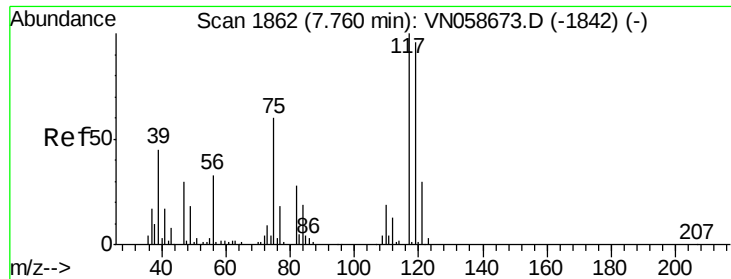
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#32
 1,1,1-Trichloroethane
 Concen: 5.663 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.3	76.9
61	48.0	38.4	57.6





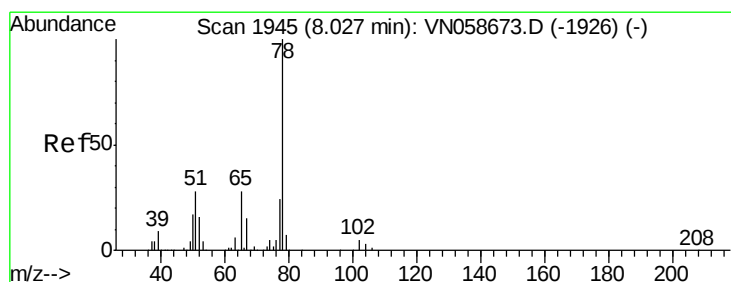
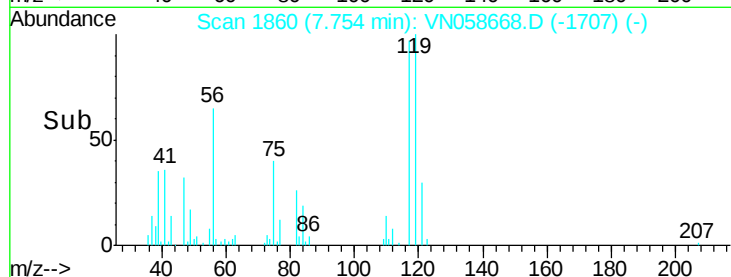
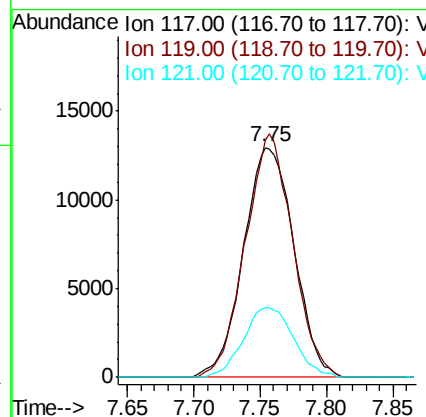
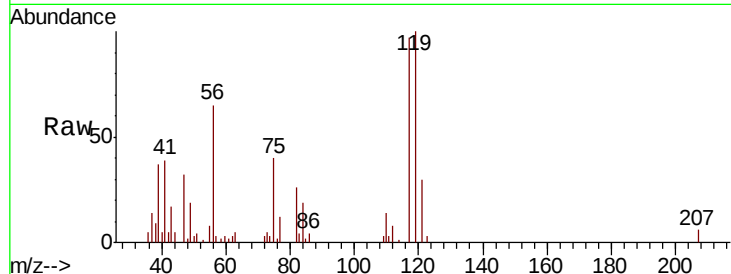
#33
Carbon Tetrachloride
Concen: 5.551 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	103.0	76.9	115.3
121	30.4	23.8	35.8

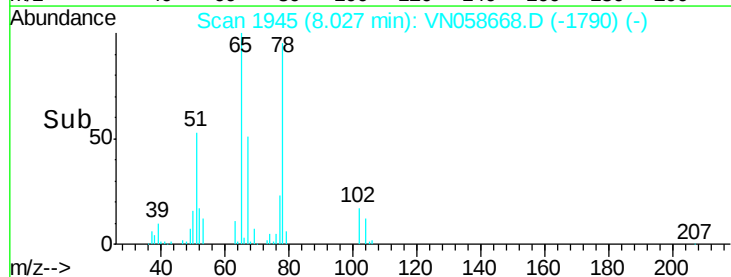
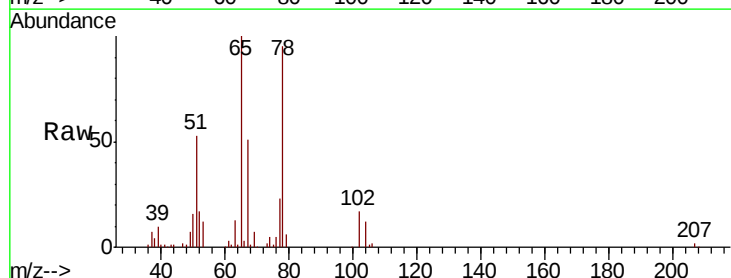
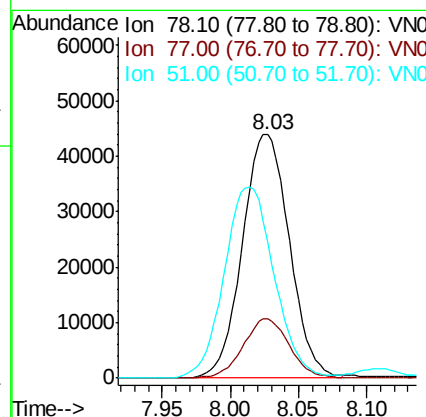
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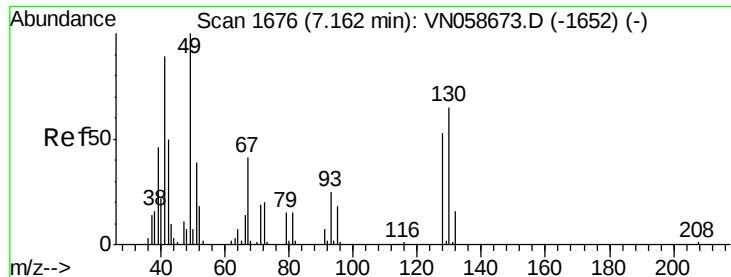
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#34
Benzene
Concen: 5.568 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8
51	54.1	22.1	33.1#





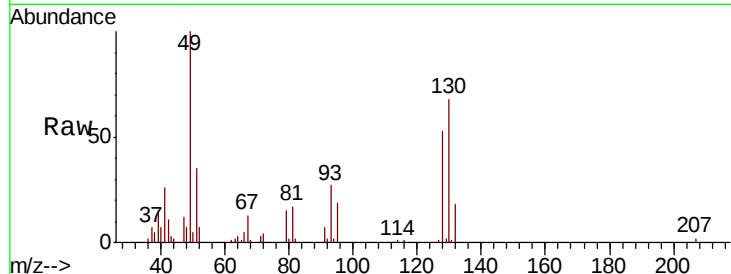
#35
Methacrylonitrile
Concen: 5.337 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	14597
Ion	Ratio	Lower	Upper
41	100		
39	57.0	25.8	77.4
67	50.9	23.0	69.0
52	26.0	10.1	30.1

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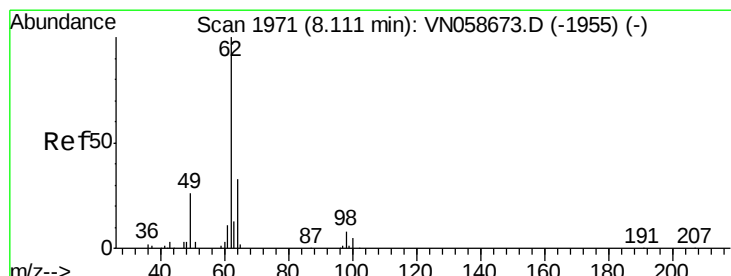
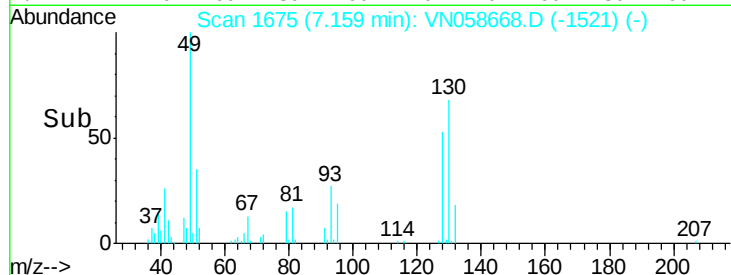
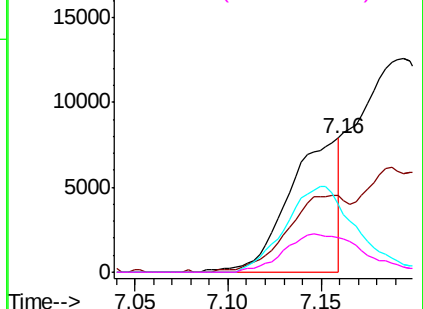
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

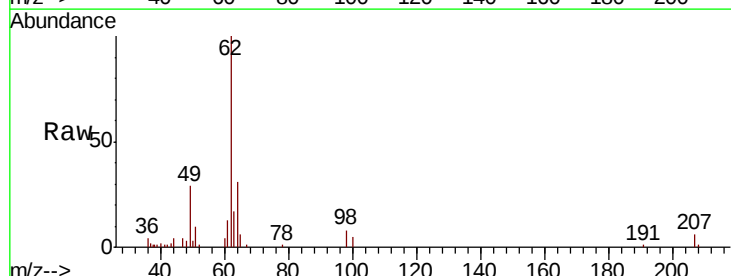
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 5.446 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

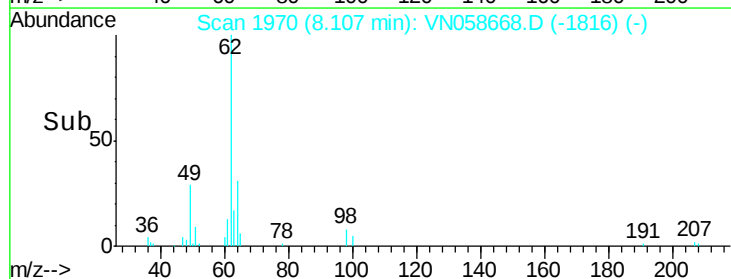
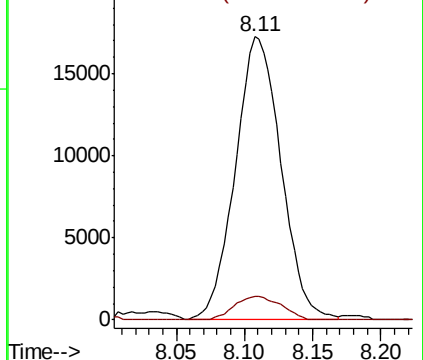
Tgt Ion	62	Resp	40196
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.4	9.6

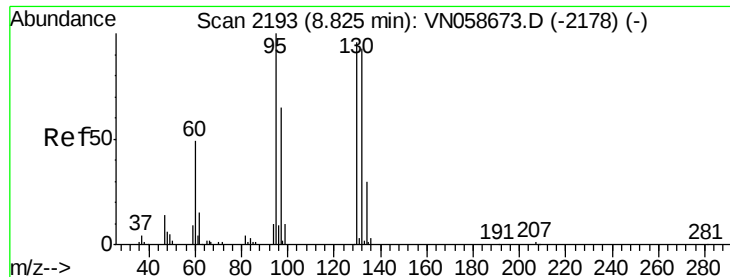


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





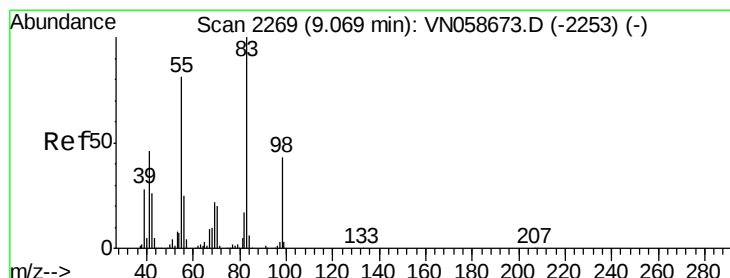
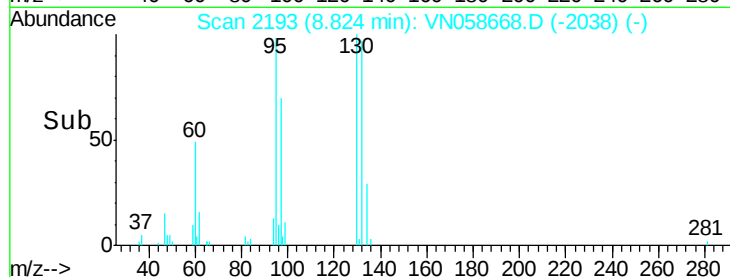
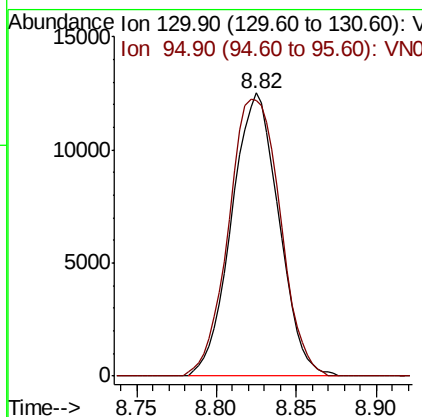
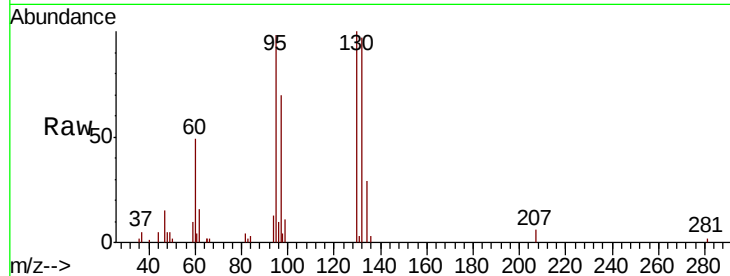
#37
 Trichloroethene
 Concen: 5.371 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tot Ion:130 Resp: 25312
 Ion Ratio Lower Upper
 130 100
 95 97.5 83.2 124.8

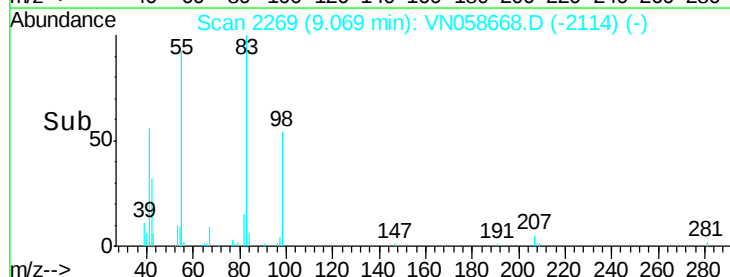
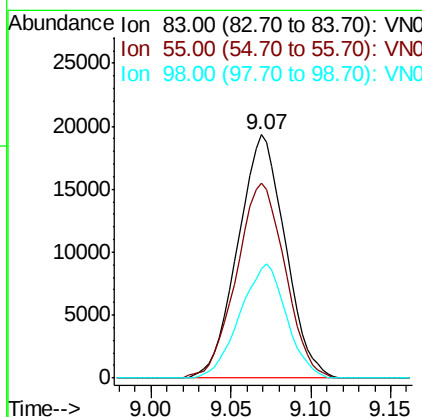
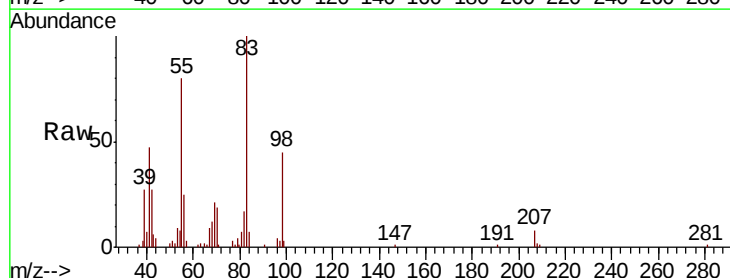
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#38
 Methylcyclohexane
 Concen: 4.927 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion: 83 Resp: 39121
 Ion Ratio Lower Upper
 83 100
 55 82.0 40.4 121.1
 98 46.1 21.6 65.0





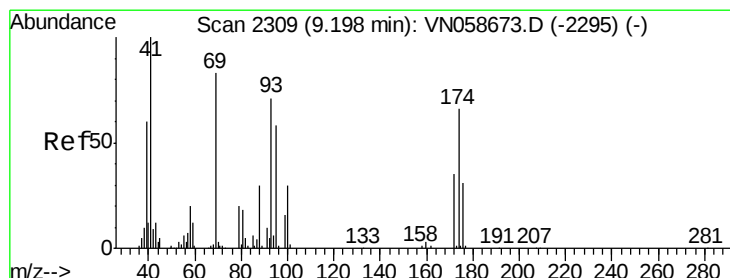
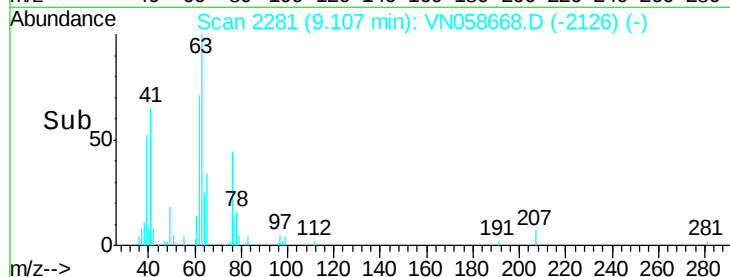
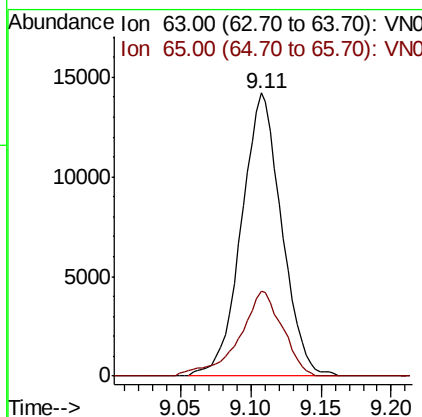
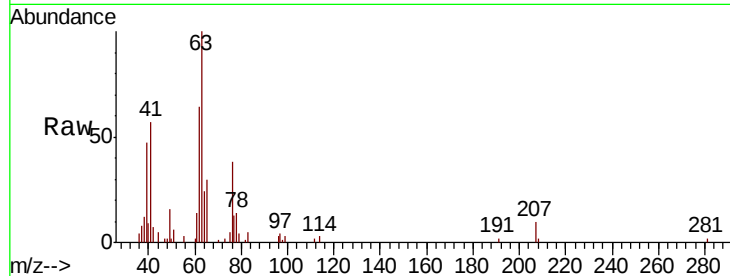
#39
 1,2-Dichloropropane
 Concen: 5.476 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	23.8	35.6

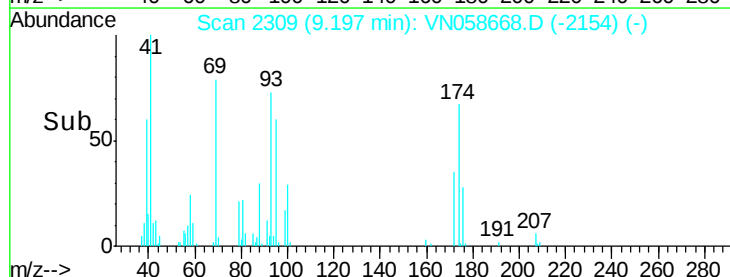
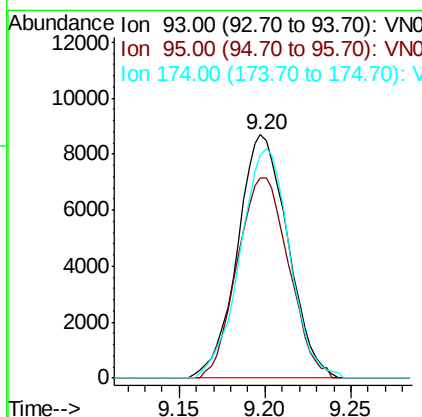
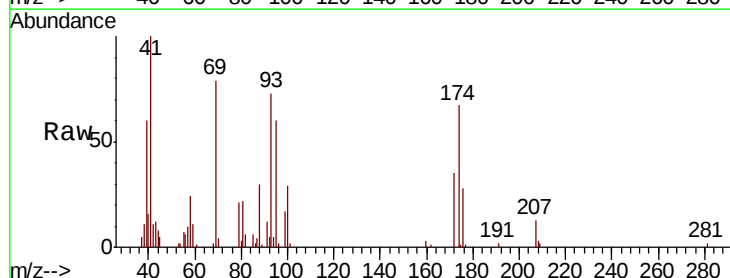
Manual Integrations
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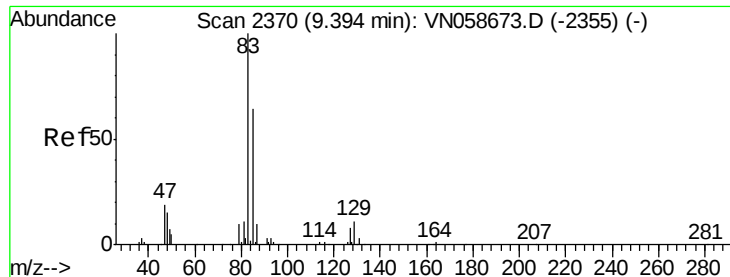
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#40
 Dibromomethane
 Concen: 5.419 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	0.0	167.6
174	92.7	0.0	187.2





#41

Bromodichloromethane

Concen: 5.366 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

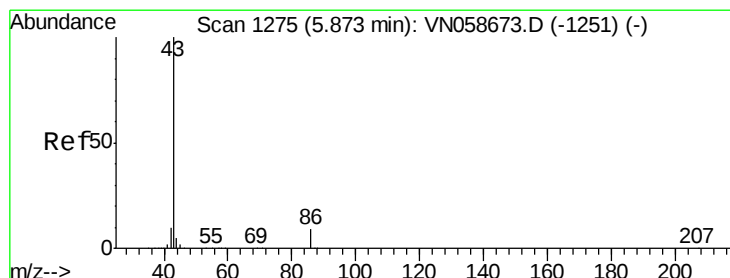
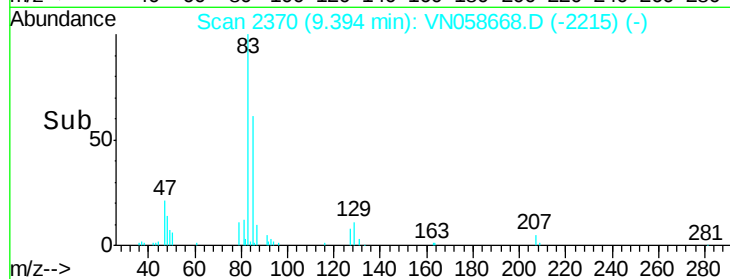
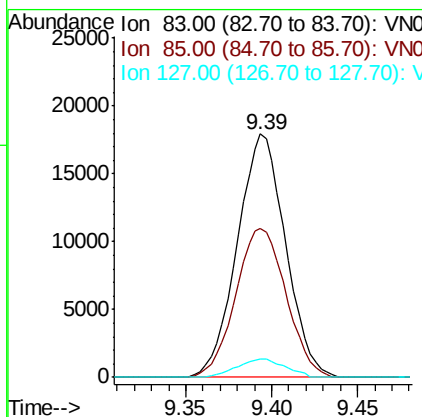
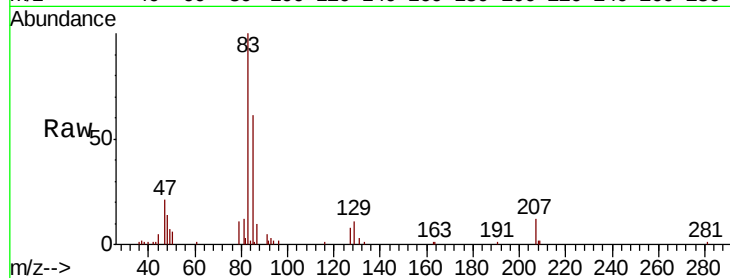
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	34933
Ion Ratio	Lower	Upper	
83	100		
85	61.2	51.0	76.4
127	7.5	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 28.448 ug/l

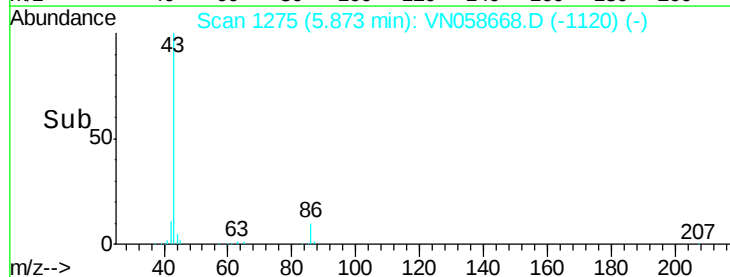
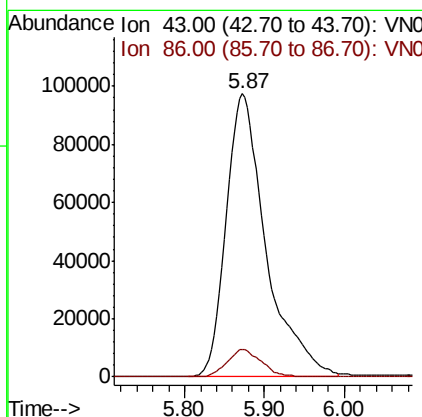
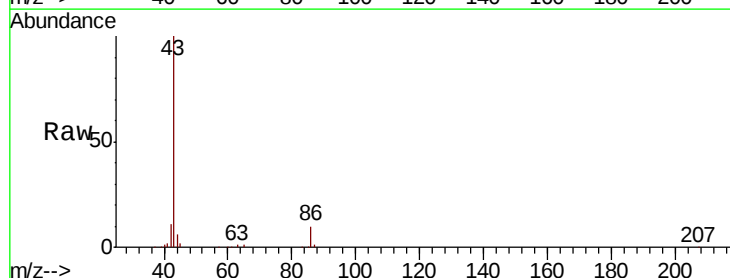
RT: 5.87 min Scan# 1275

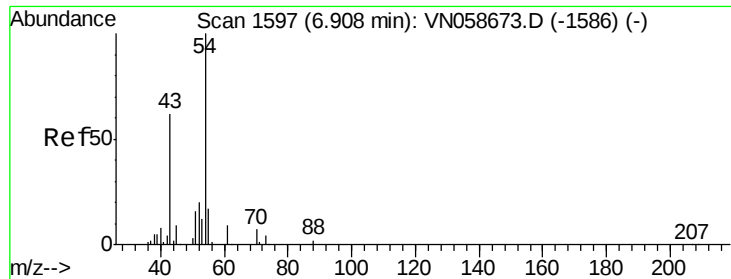
Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Tgt Ion:	43	Resp:	332768
Ion Ratio	Lower	Upper	
43	100		
86	8.4	6.5	9.7





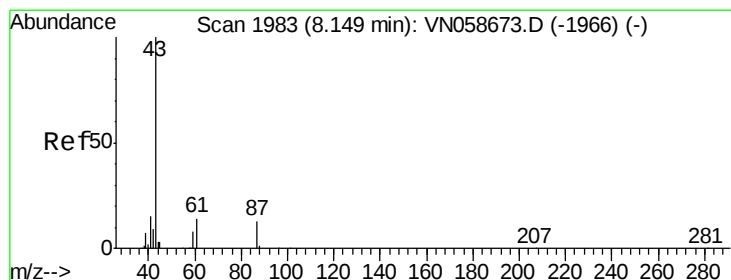
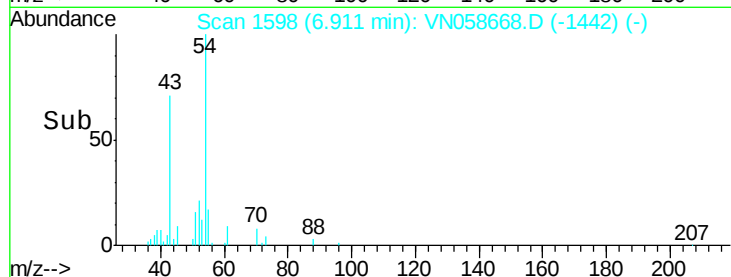
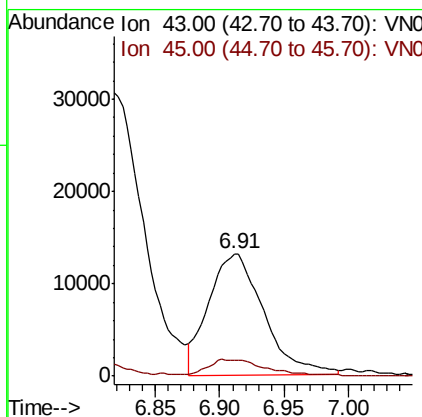
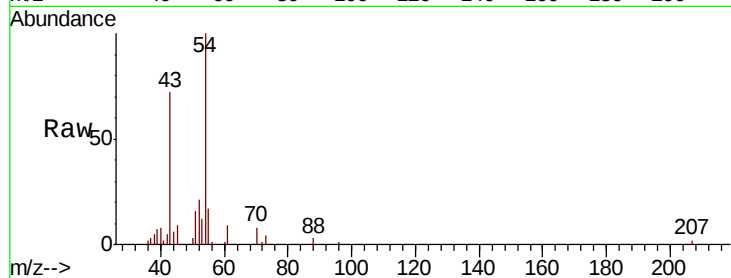
#43
Ethyl Acetate
Concen: 6.234 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 38979
Ion Ratio Lower Upper
43 100
45 5.7 9.7 14.5#

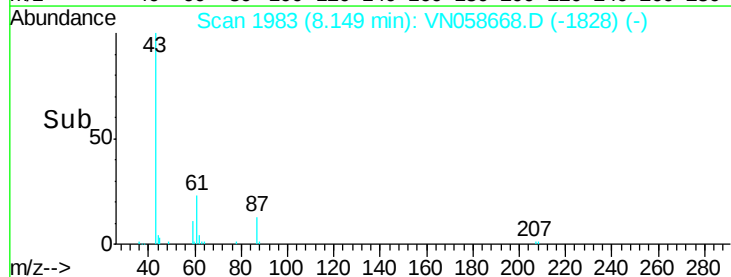
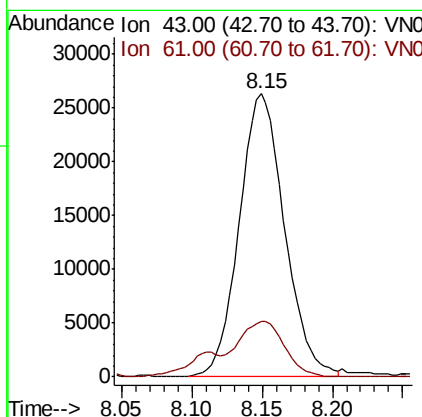
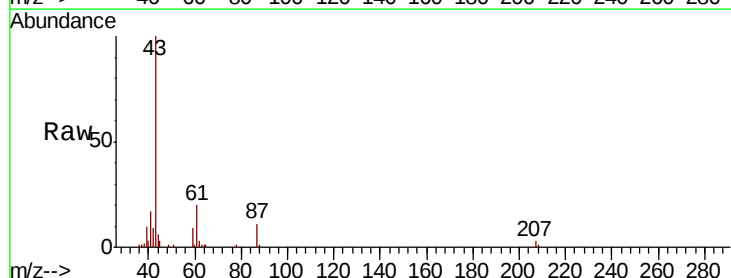
Manual Integrations
APPROVED

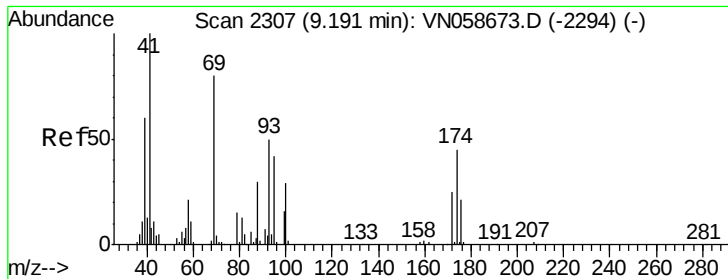
MMDadoda
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#44
Isopropyl Acetate
Concen: 5.446 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 43 Resp: 59282
Ion Ratio Lower Upper
43 100
61 19.6 19.9 29.9#





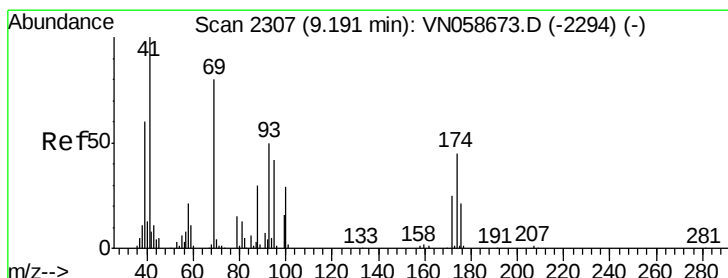
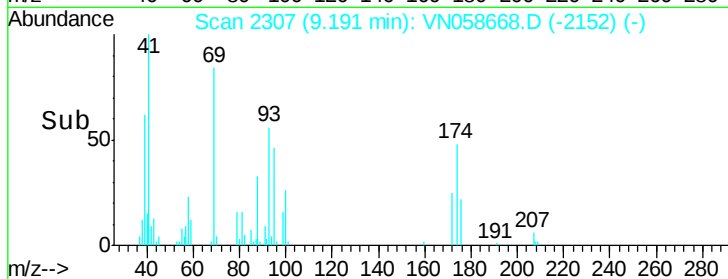
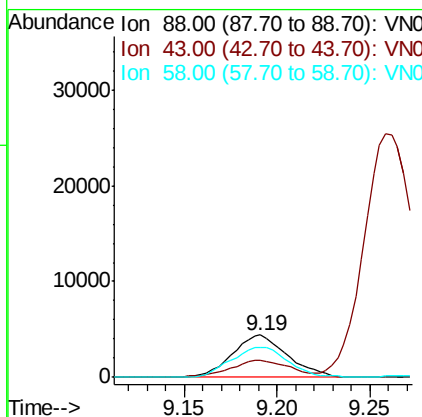
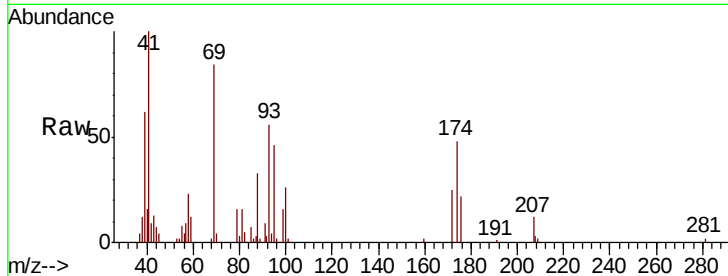
#45
1,4-Dioxane
Concen: 101.478 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.0	29.8	44.8
58	73.4	58.2	87.4

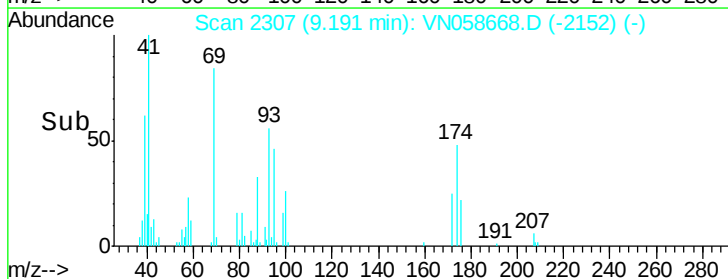
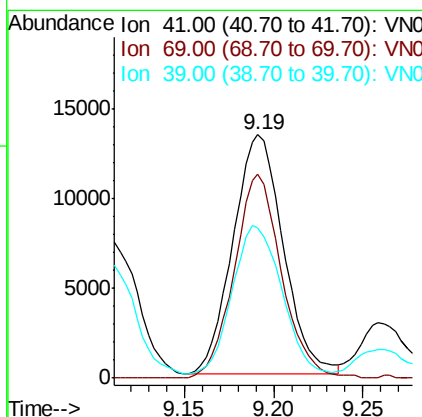
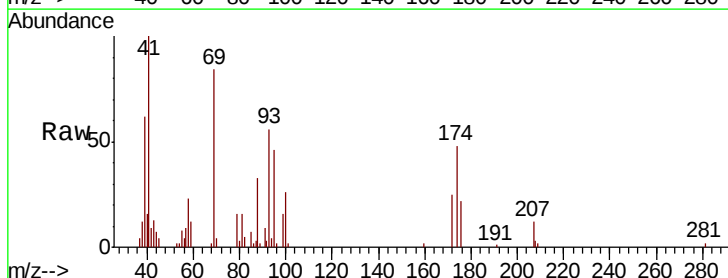
Manual Integrations
APPROVED

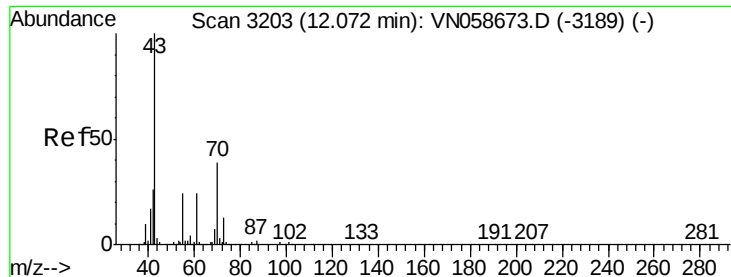
MMDadoda
10/11/2019 3:25:51 PM



#46
Methyl methacrylate
Concen: 5.093 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.2	40.2	120.5
39	61.3	29.9	89.8





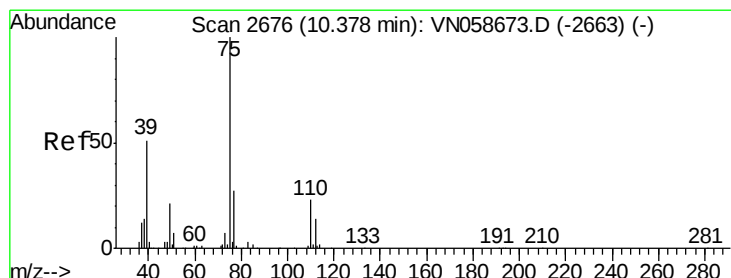
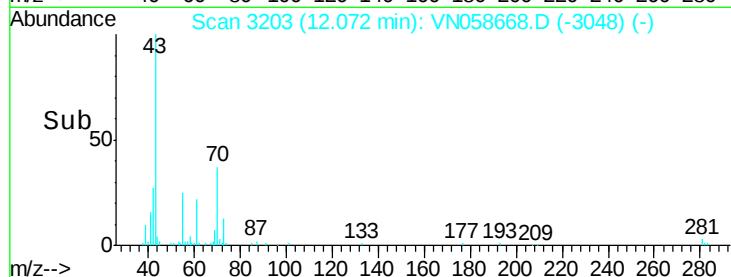
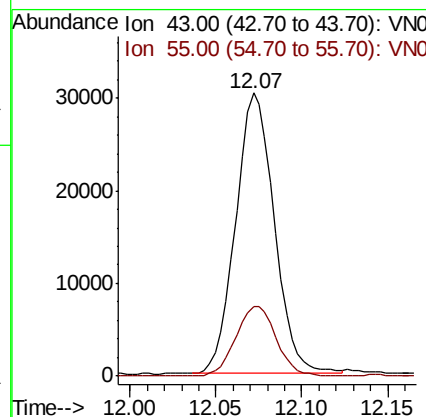
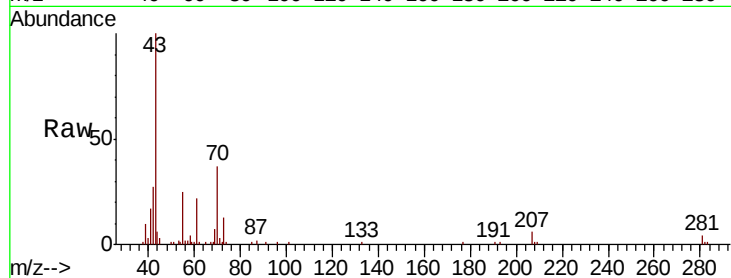
#47
n-amvl Acetate
Concen: 4.916 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	46927
Ion Ratio	100	Lower	Upper
55	26.0	19.6	29.4

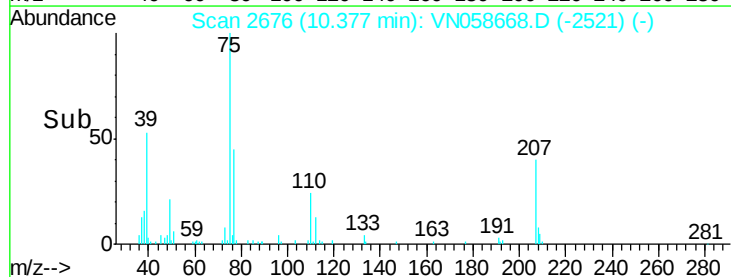
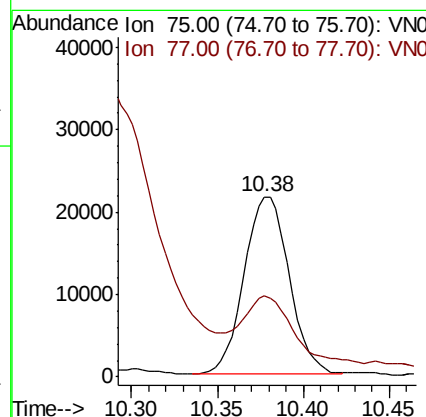
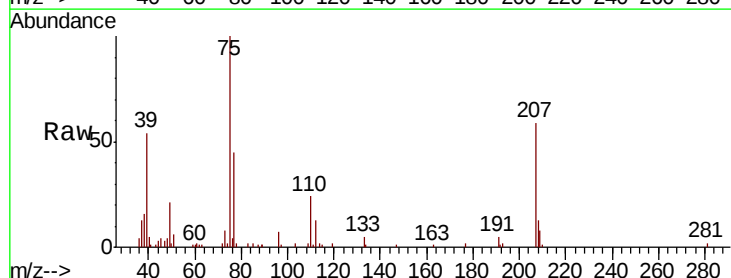
Manual Integrations
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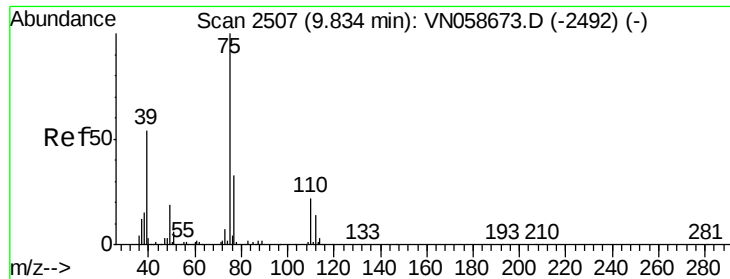
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 5.425 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	75	Resp	39161
Ion Ratio	100	Lower	Upper
77	35.8	27.0	40.4





#49

cis-1,3-Dichloropropene

Concen: 5.189 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

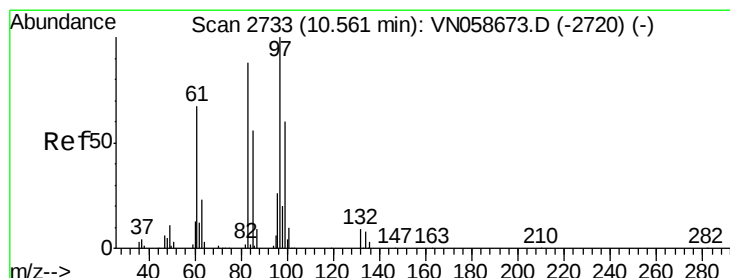
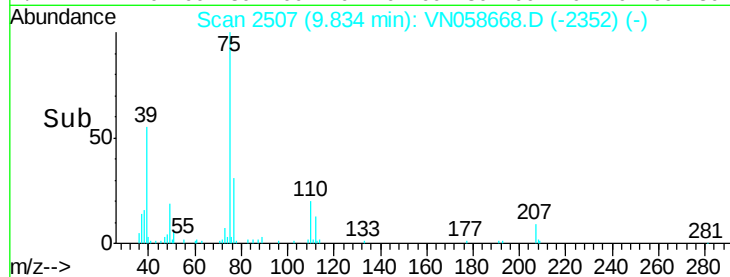
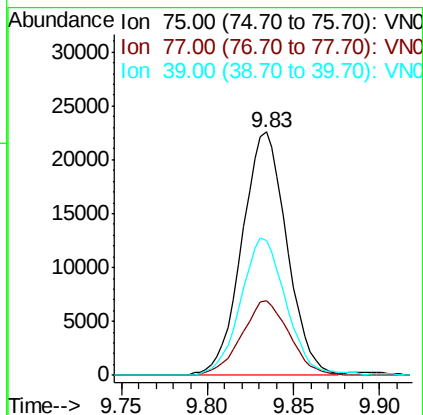
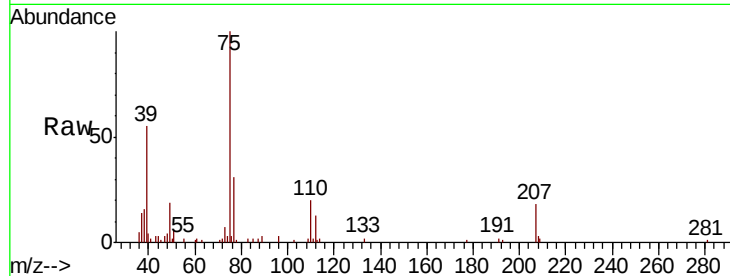
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	41019
Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.1	39.1
39	55.3	43.1	64.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 5.483 ug/l

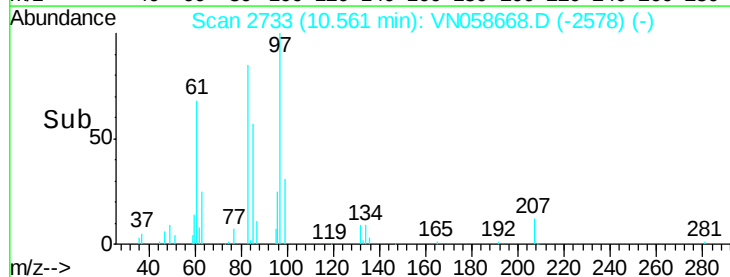
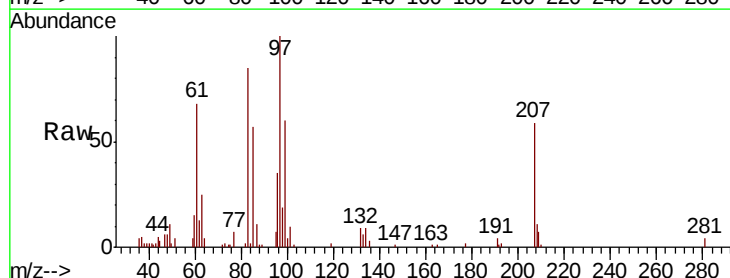
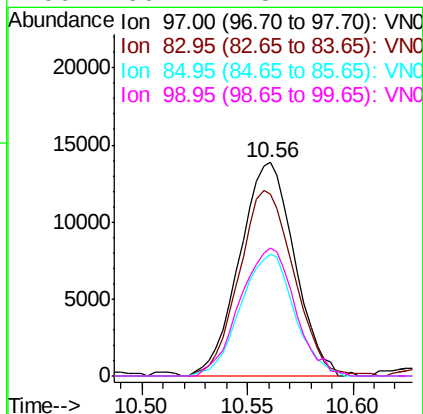
RT: 10.56 min Scan# 2733

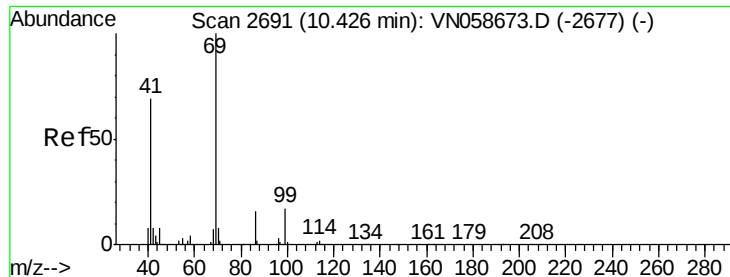
Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Tgt Ion:	97	Resp:	25063
Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.7	106.1
85	57.2	45.1	67.7
99	60.2	48.2	72.4





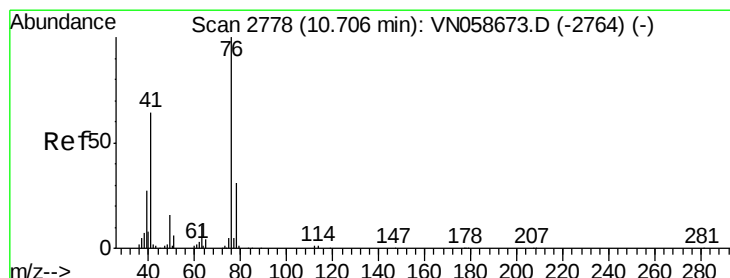
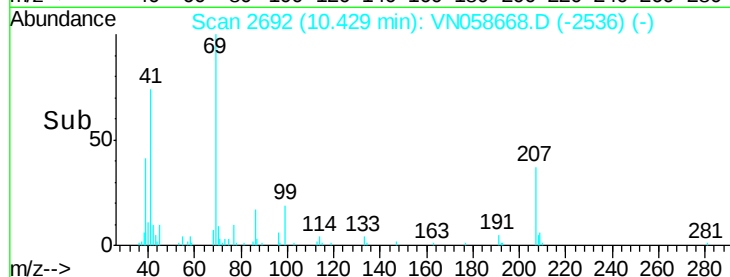
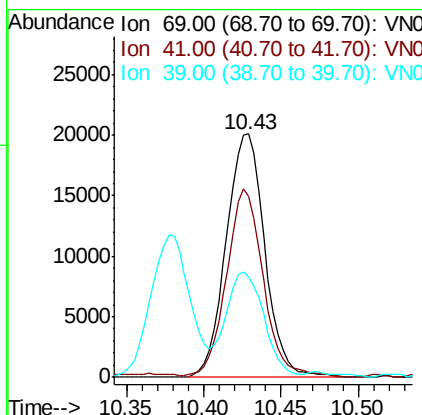
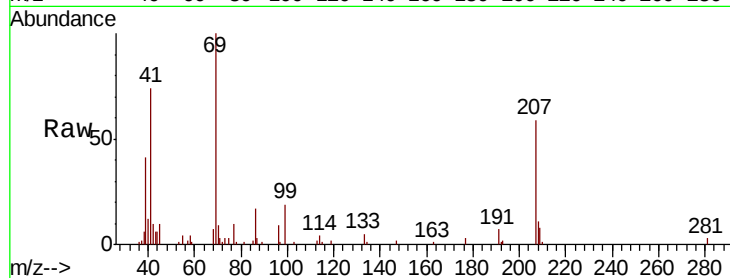
#51
Ethyl methacrylate
Concen: 4.800 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
69	100		
41	73.6	34.7	104.1
39	39.8	20.3	60.8

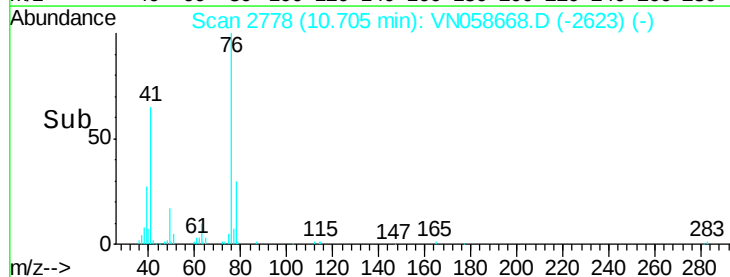
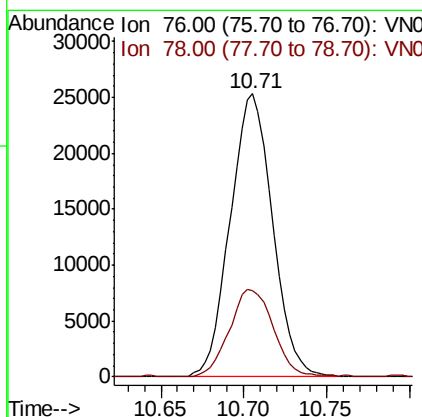
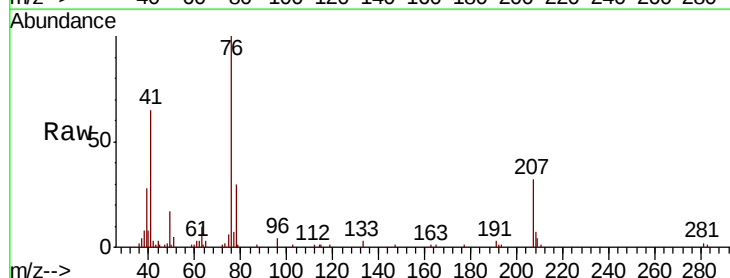
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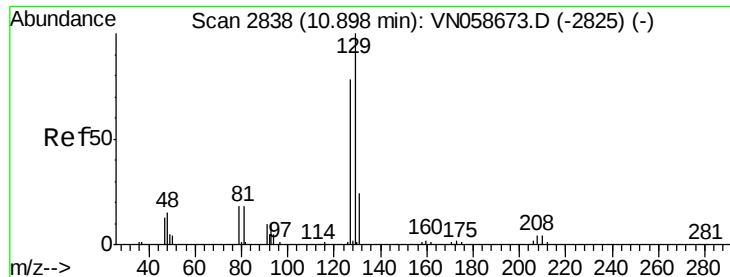
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10/11/2019 3:25:51 PM



#52
1,3-Dichloropropane
Concen: 5.548 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.2





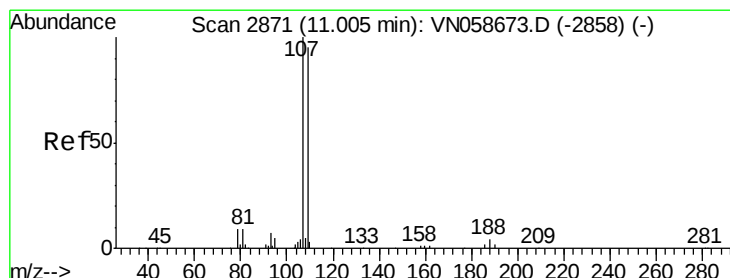
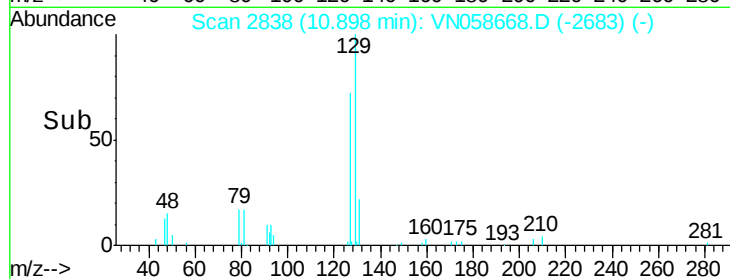
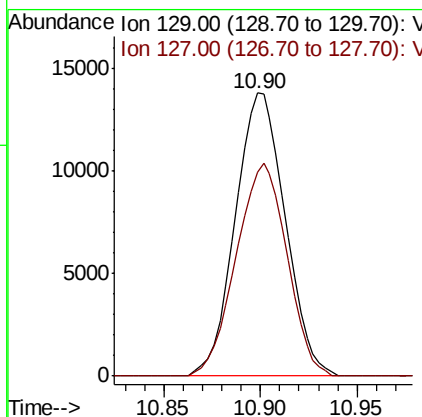
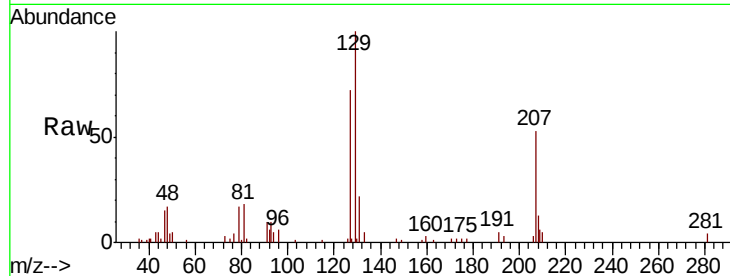
#53
Dibromochloromethane
Concen: 5.302 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:129 Resp: 24848
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.5

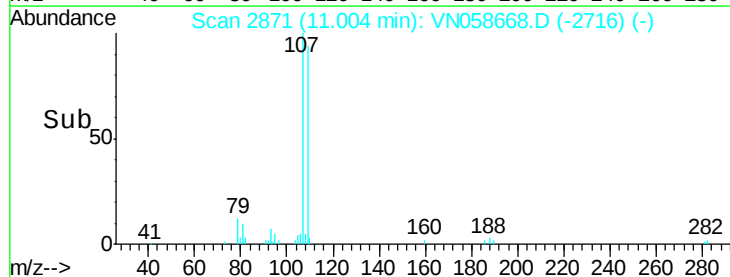
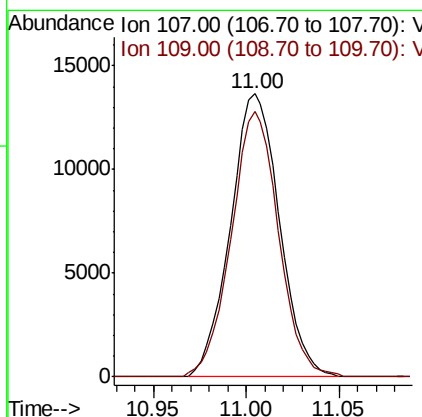
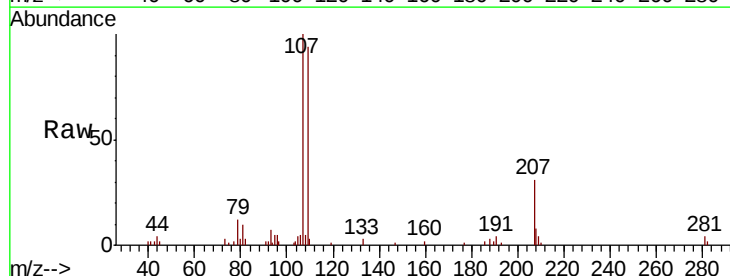
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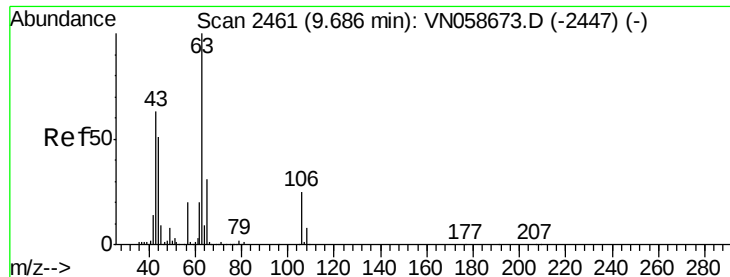
MMDadoda
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#54
1,2-Dibromoethane
Concen: 5.342 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion:107 Resp: 25013
Ion Ratio Lower Upper
107 100
109 90.5 76.2 114.4





#55

2-Chloroethyl vinyl ether

Concen: 27.302 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 87949

Ion Ratio Lower Upper

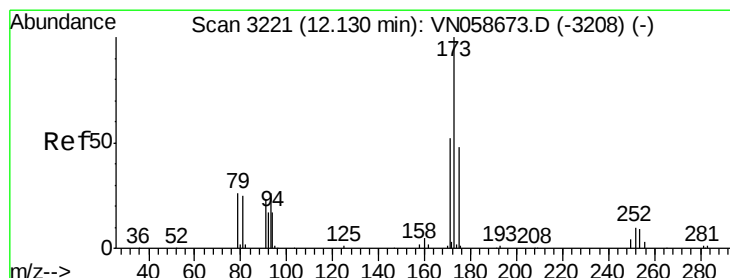
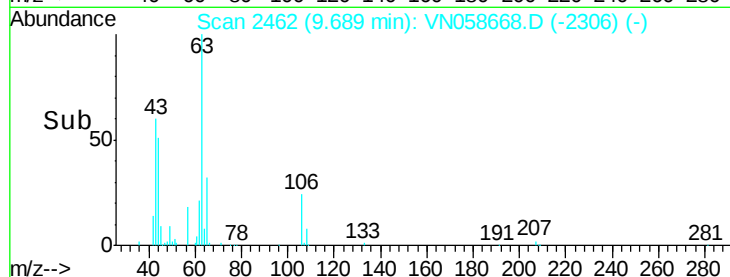
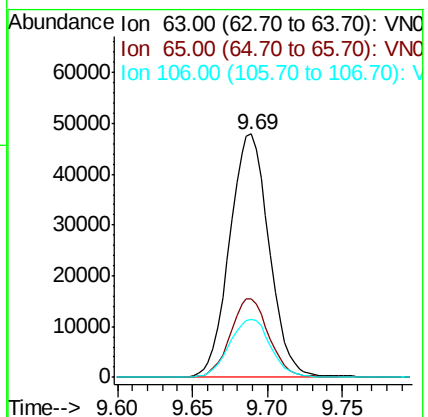
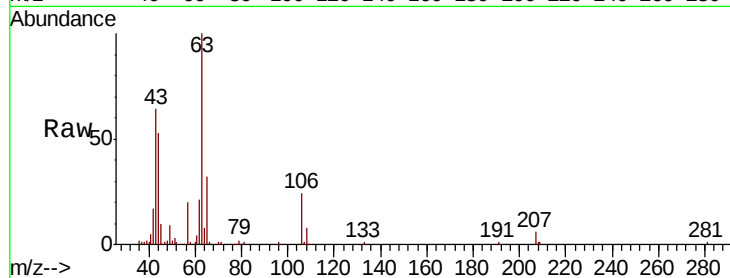
63 100

65 31.3 25.3 37.9

106 24.9 19.8 29.6

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10/11/2019 3:25:51 PM



#56

Bromoform

Concen: 5.309 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

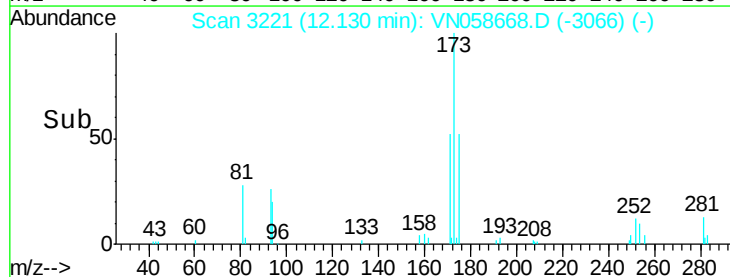
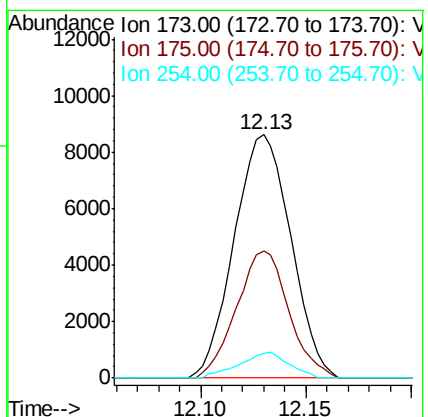
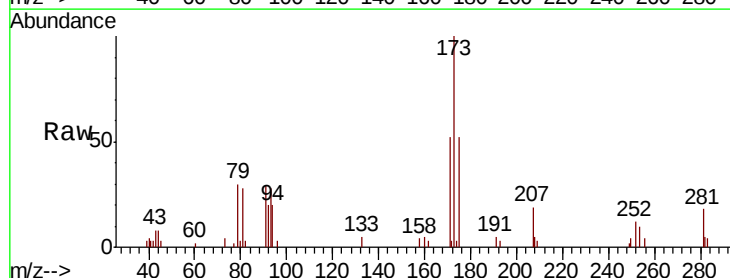
Tgt Ion: 173 Resp: 16102

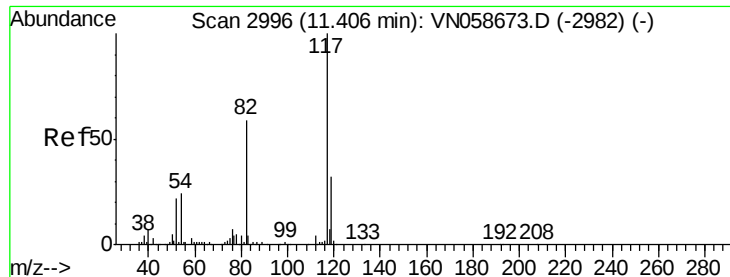
Ion Ratio Lower Upper

173 100

175 48.2 38.7 58.1

254 9.4 7.4 11.2





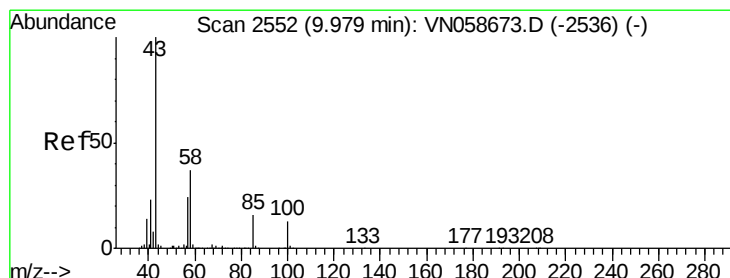
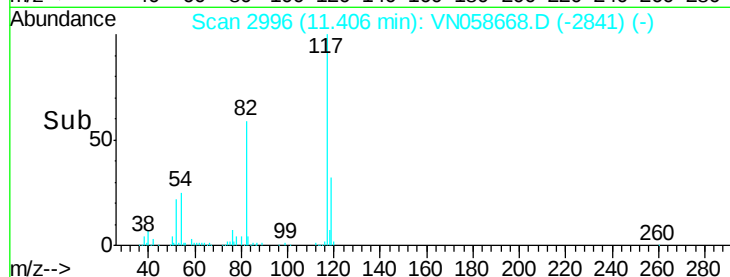
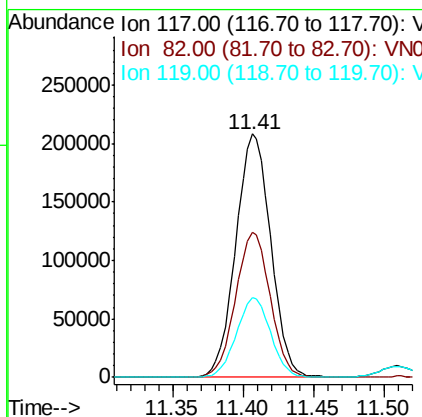
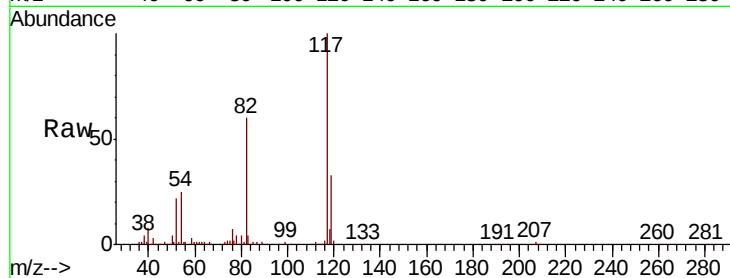
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.9	70.3
119	32.1	25.8	38.6

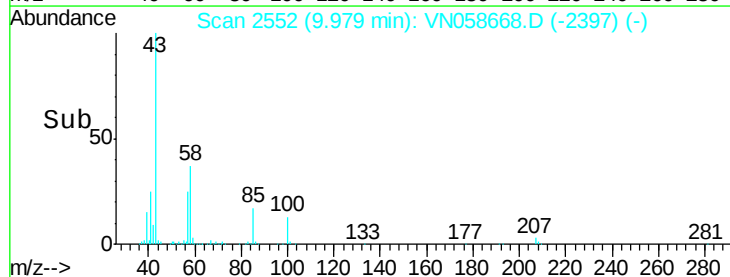
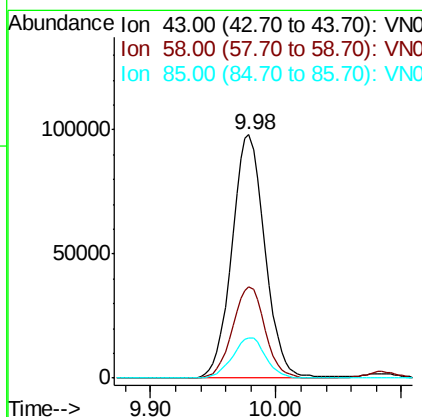
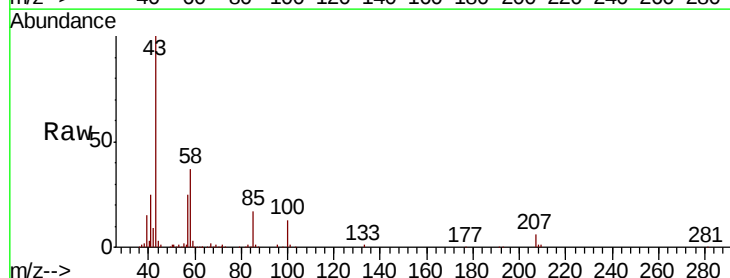
Manual Integrations
APPROVED

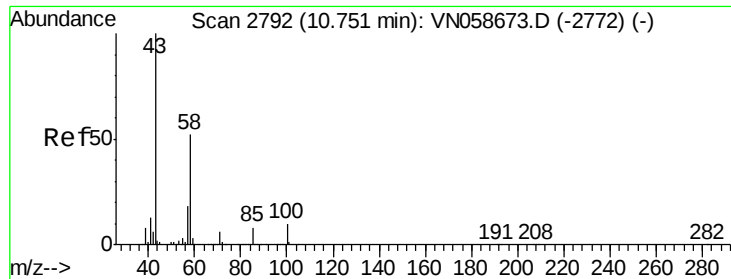
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 30.512 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.1	45.1
85	16.6	13.2	19.8





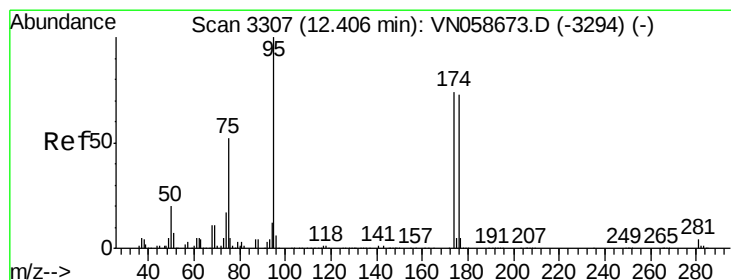
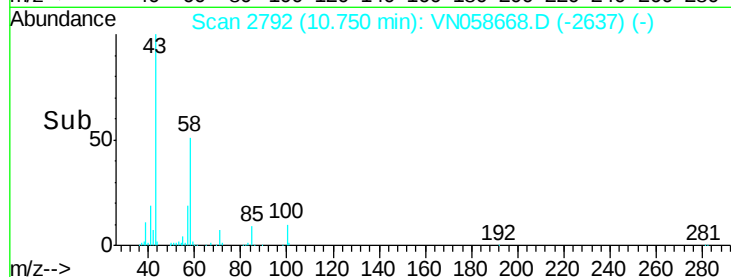
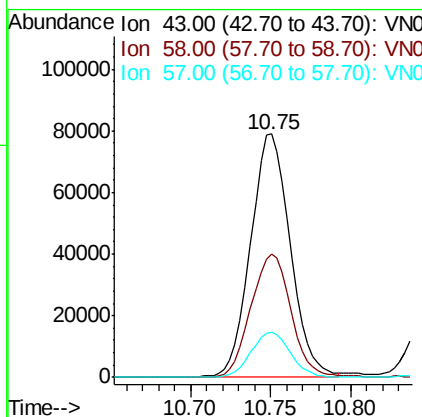
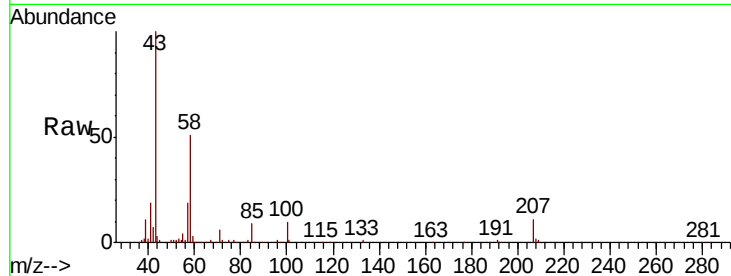
#59
2-Hexanone
Concen: 29.786 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.7	41.4	62.0
57	18.7	14.7	22.1

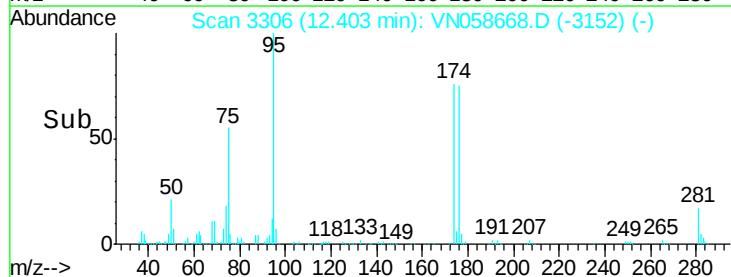
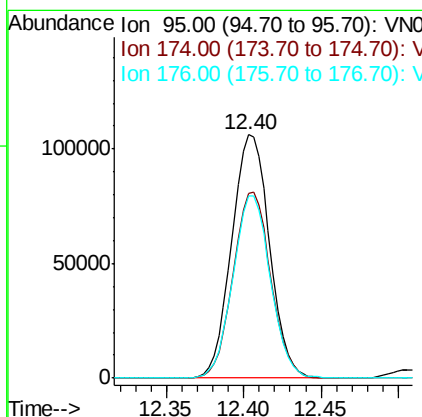
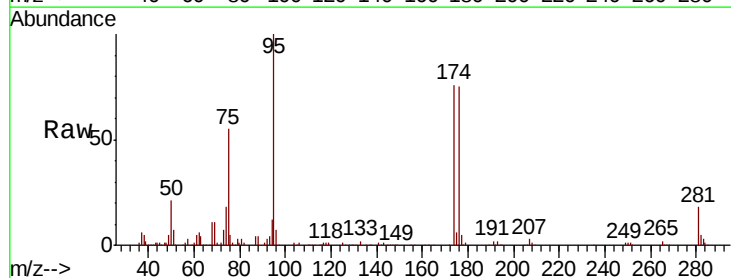
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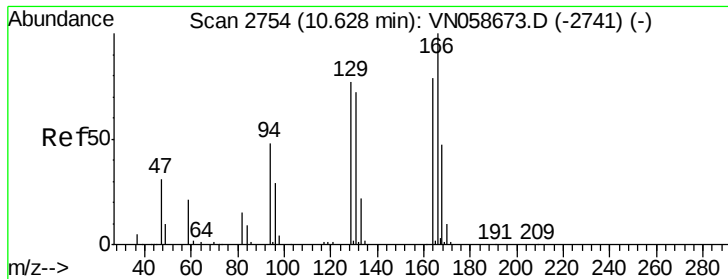
MMDadoda
10/11/2019 3:25:51 PM



#60
4-Bromofluorobenzene
Concen: 28.640 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	59.9	89.9
176	74.4	58.3	87.5





#61

Tetrachloroethene

Concen: 5.781 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 22416

Ion Ratio Lower Upper

164 100

166 126.0 101.4 152.2

129 98.2 78.1 117.1

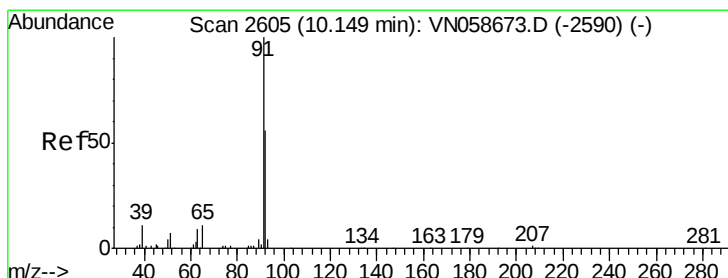
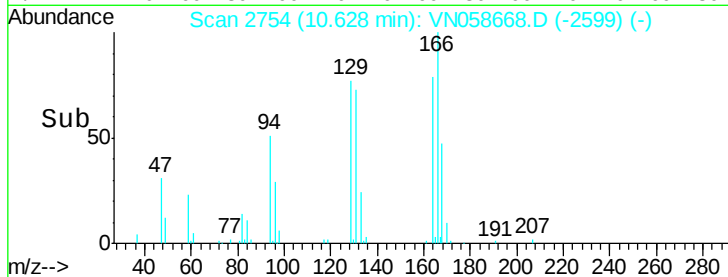
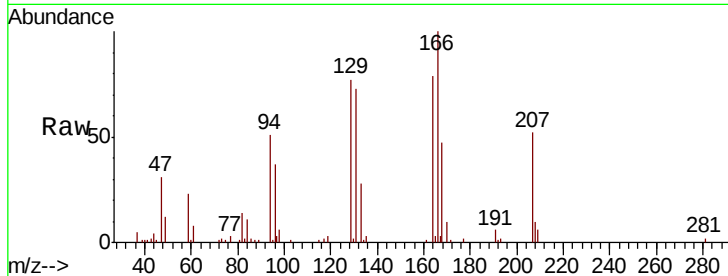
131 92.6 73.2 109.8

Manual Integrations

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10/11/2019 3:25:51 PM



#62

Toluene

Concen: 5.461 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058668.D

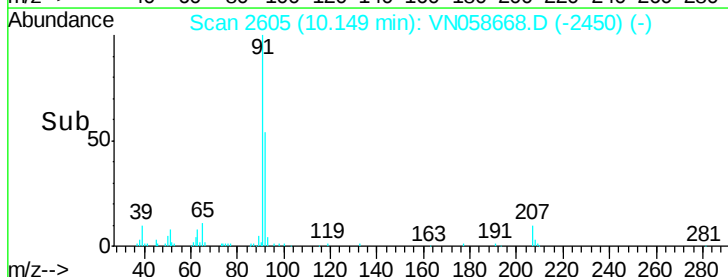
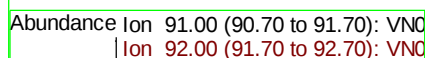
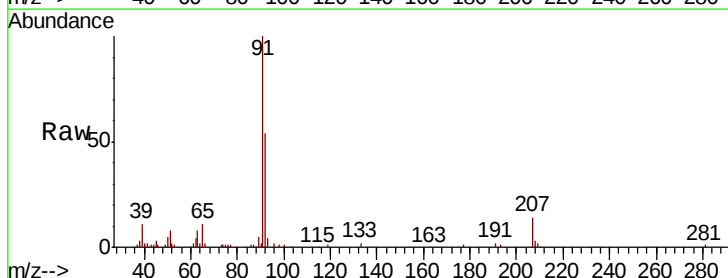
Acq: 10 Oct 2019 16:44

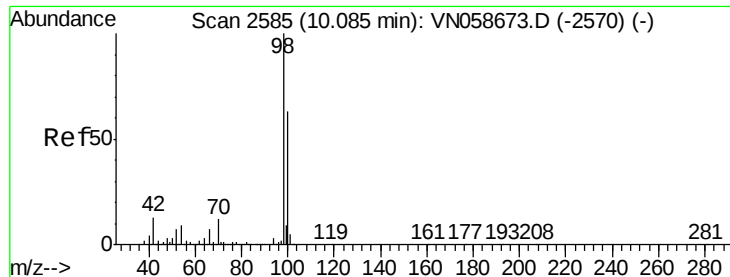
Tgt Ion: 91 Resp: 108699

Ion Ratio Lower Upper

91 100

92 56.5 45.4 68.2





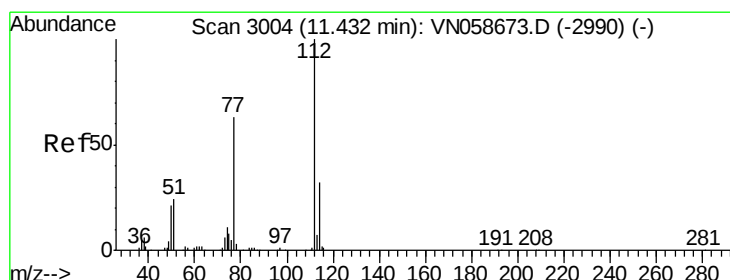
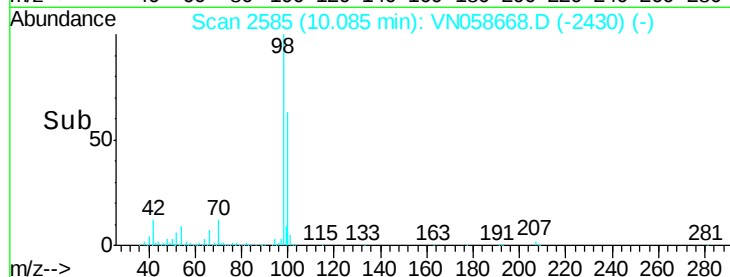
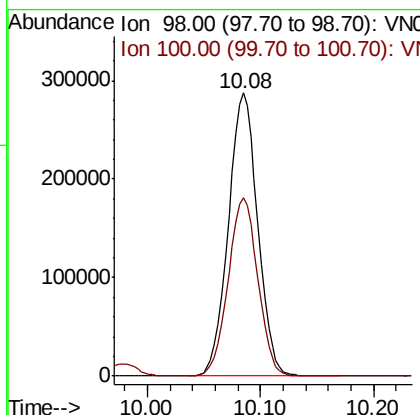
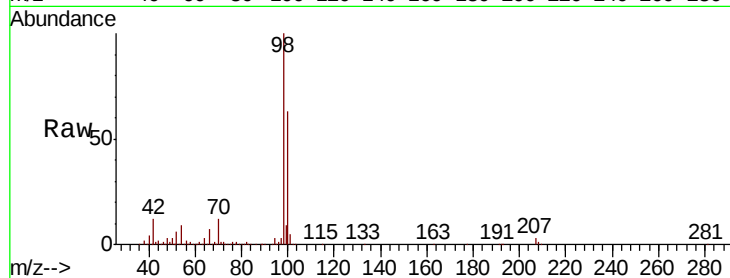
#63
Toluene-d8
Concen: 29.950 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 518231
Ion Ratio Lower Upper
98 100
100 63.5 50.6 75.8

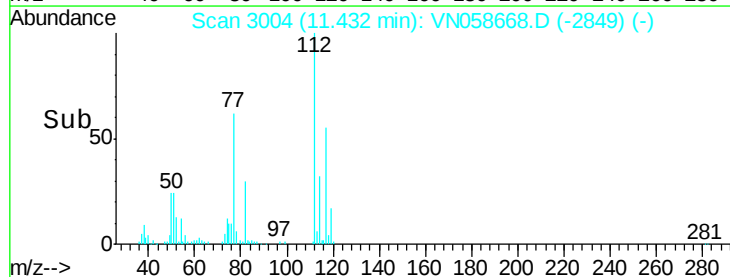
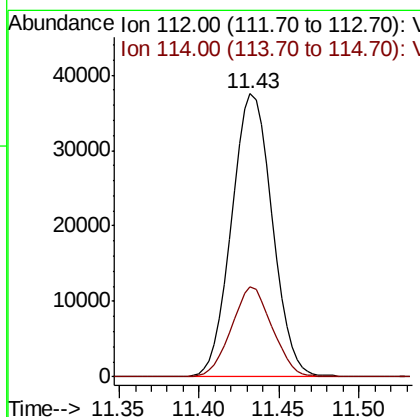
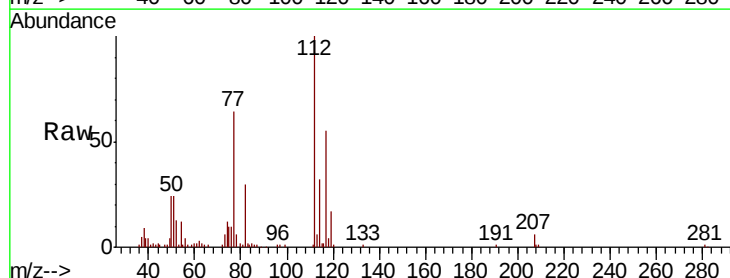
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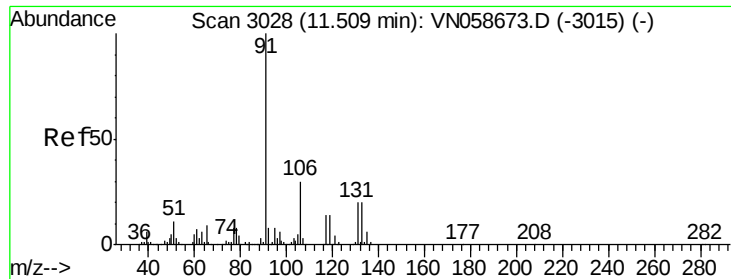
MMDadoda
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#64
Chlorobenzene
Concen: 5.319 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion: 112 Resp: 65097
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 5.432 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

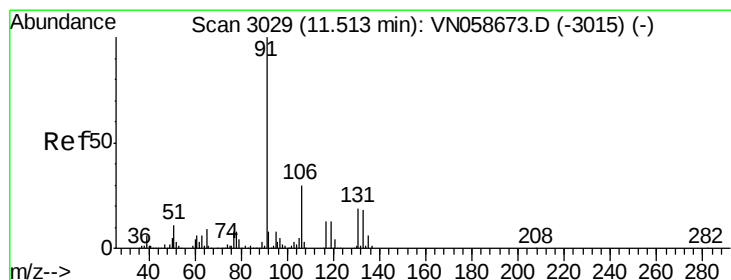
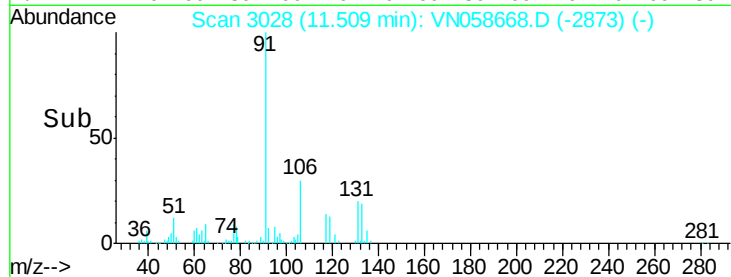
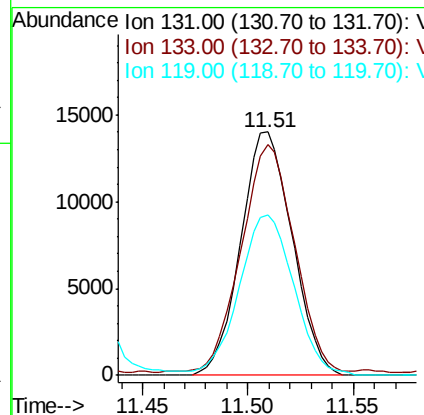
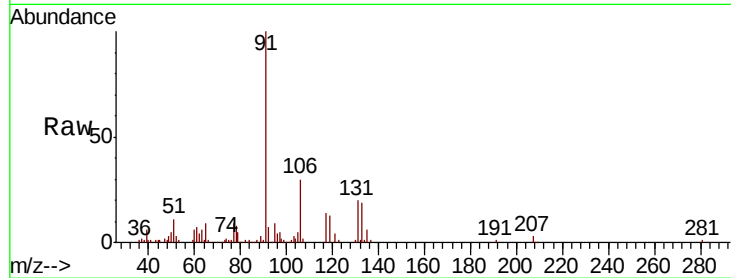
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.3	0.0	194.0
119	69.9	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 5.393 ug/l

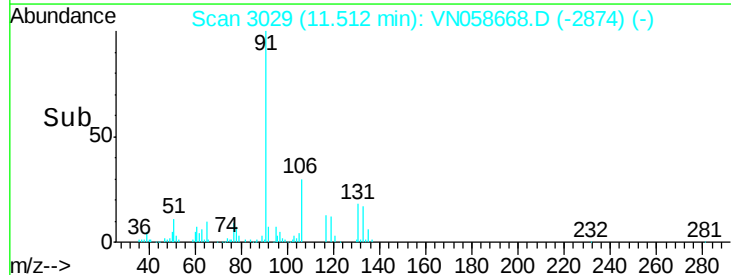
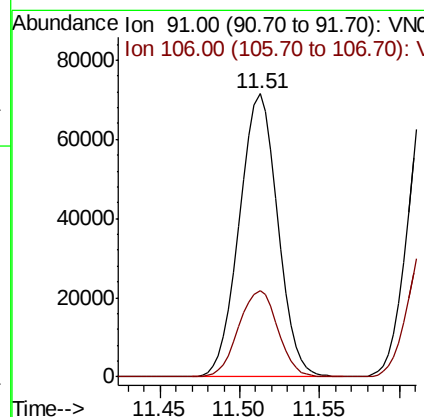
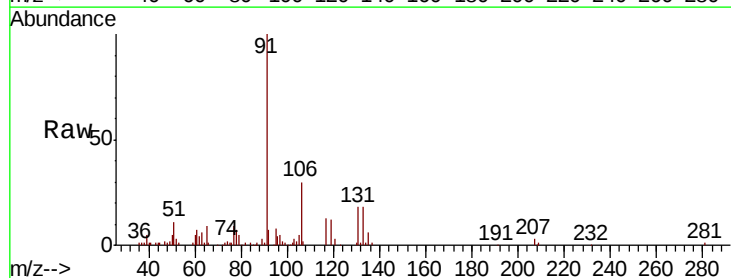
RT: 11.51 min Scan# 3029

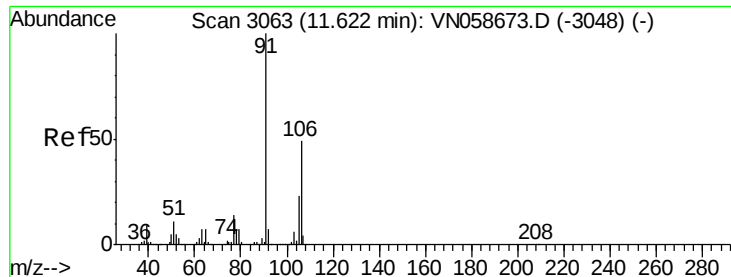
Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.2	36.4





#67

m/p-Xylenes

Concen: 10.014 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 83382

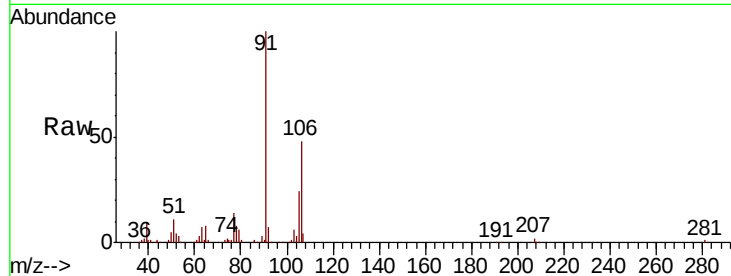
Ion Ratio Lower Upper

106 100

91 207.5 165.6 248.4

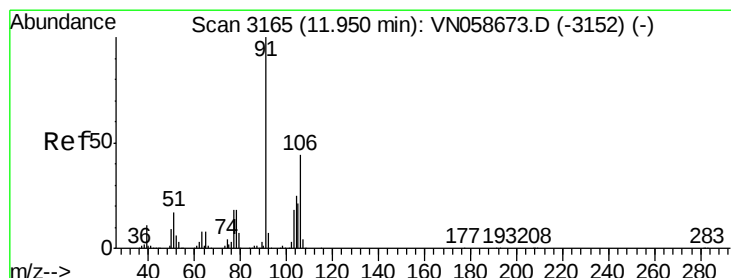
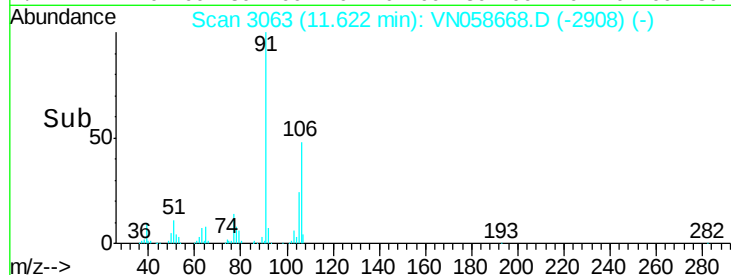
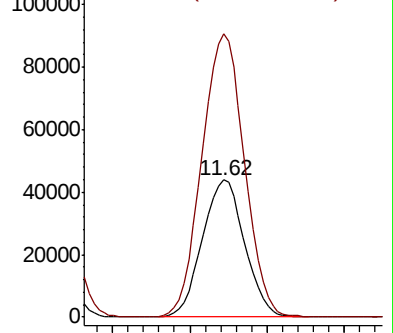
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 5.111 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058668.D

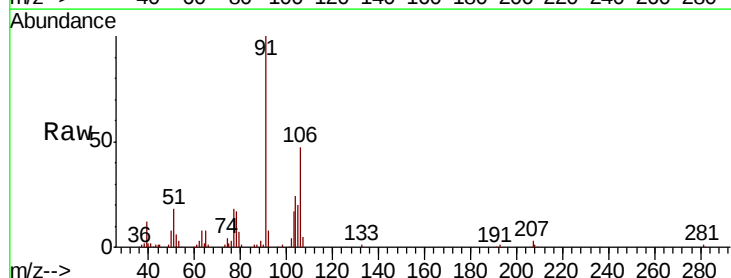
Acq: 10 Oct 2019 16:44

Tgt Ion:106 Resp: 41334

Ion Ratio Lower Upper

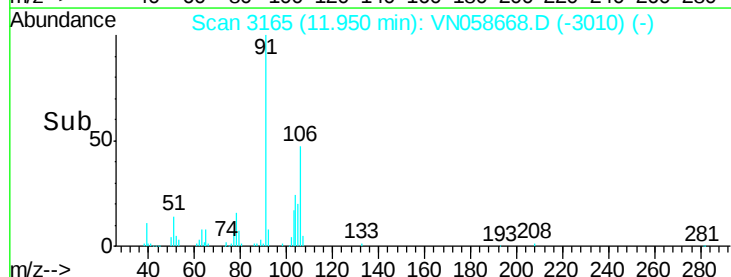
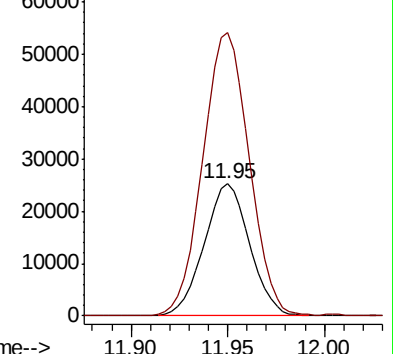
106 100

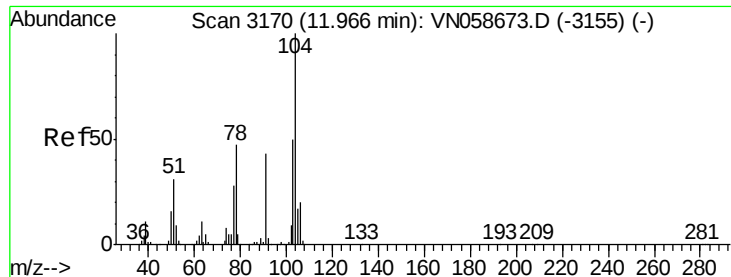
91 218.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





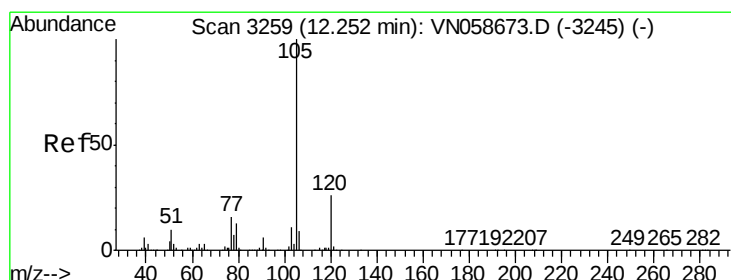
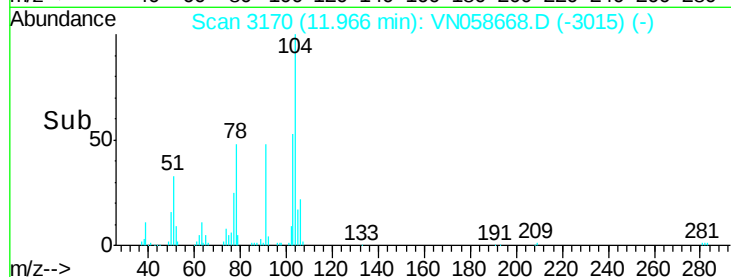
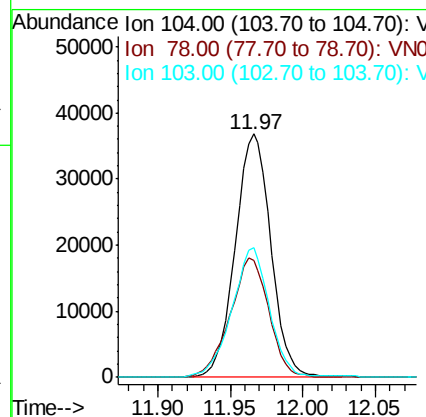
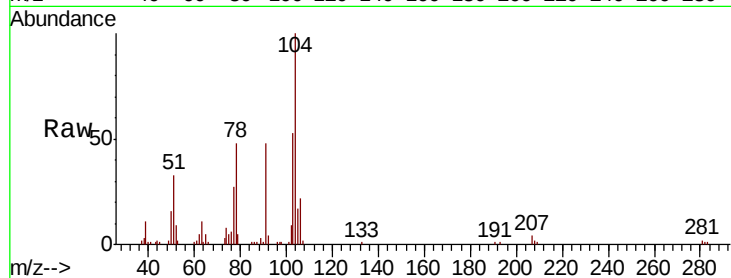
#69
Stvrene
Concen: 4.665 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.4	63.6
103	56.3	44.6	66.8

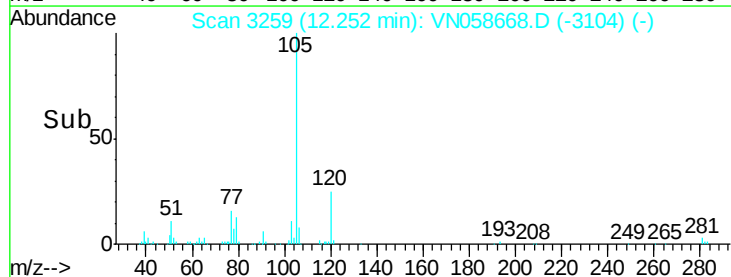
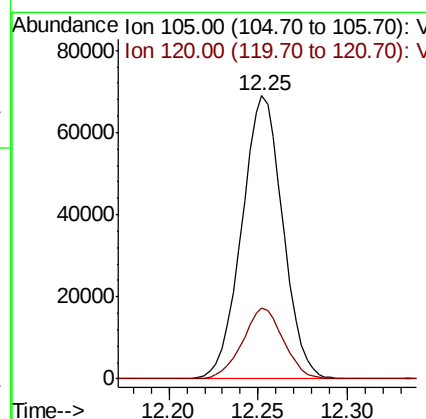
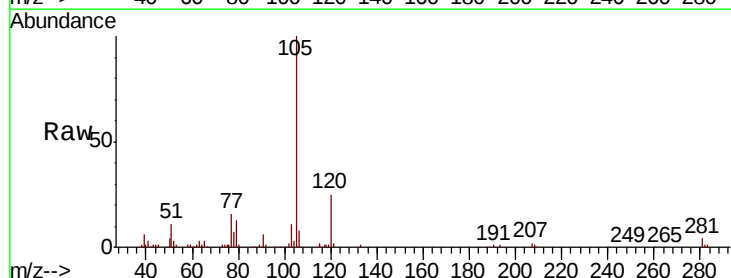
Manual Integrations
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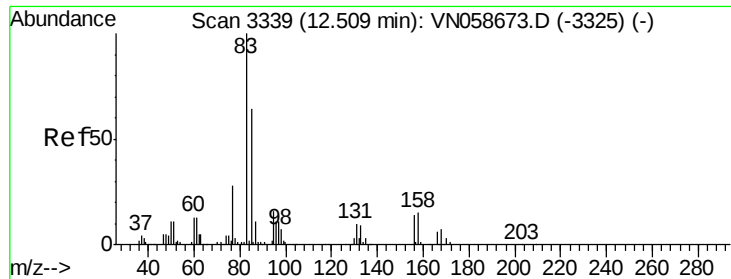
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#70
Isopropylbenzene
Concen: 5.285 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 5.630 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

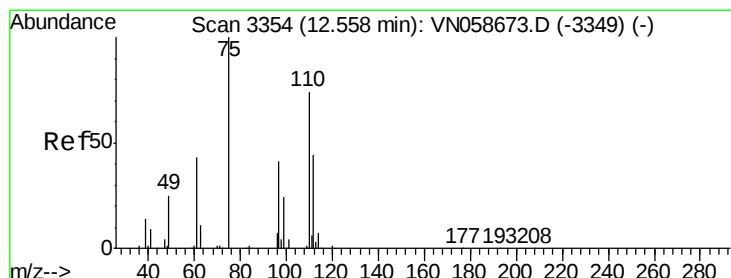
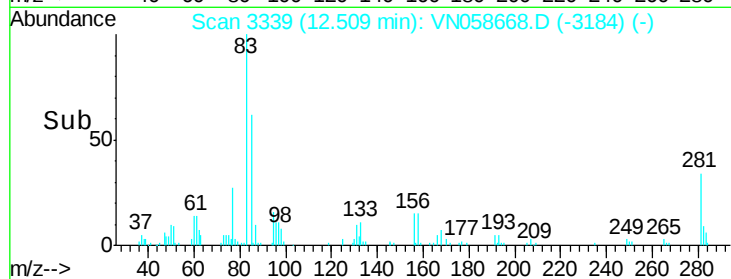
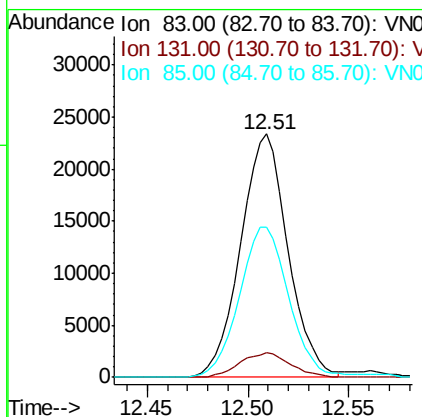
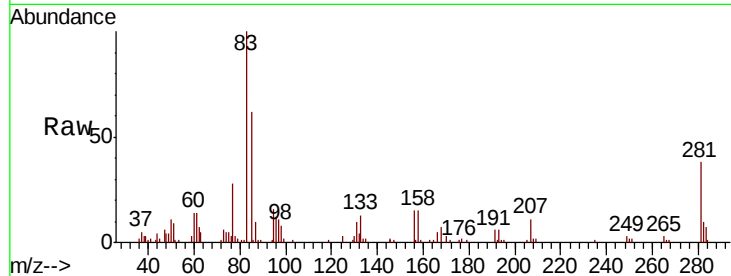
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	38410
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.9	14.7
85	64.5	31.6	94.7

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#72

1,2,3-Trichloropropane

Concen: 5.882 ug/l m

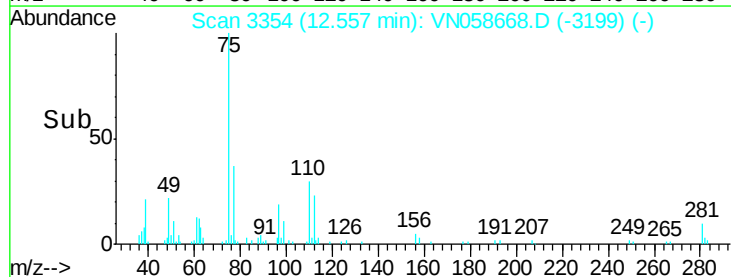
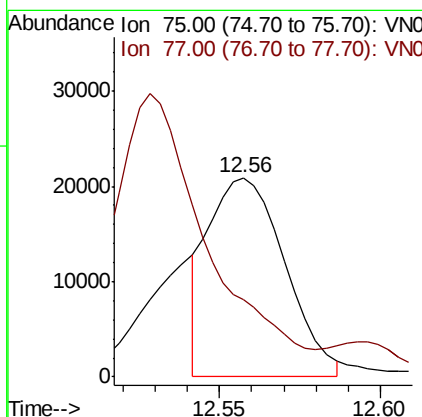
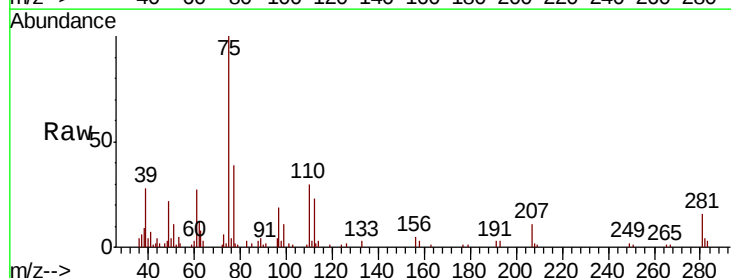
RT: 12.56 min Scan# 3354

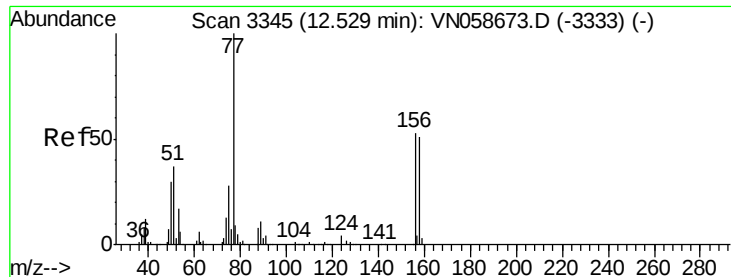
Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Tgt Ion:	75	Resp:	34759
Ion Ratio	Lower	Upper	
75	100		
77	178.6	0.0	359.4





#73

Bromobenzene

Concen: 5.475 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

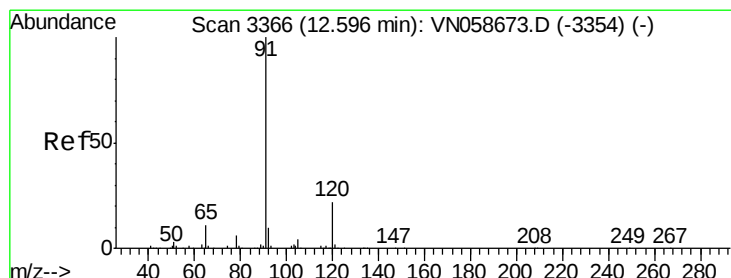
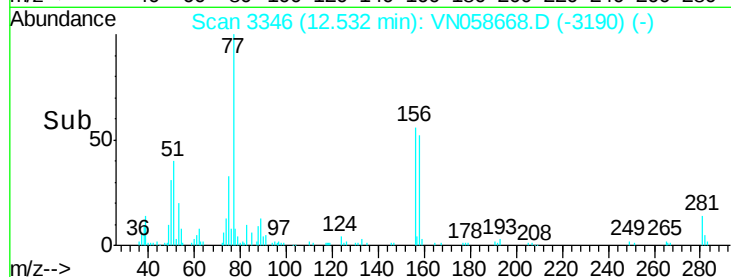
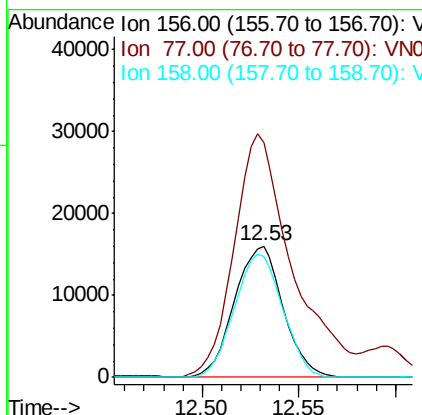
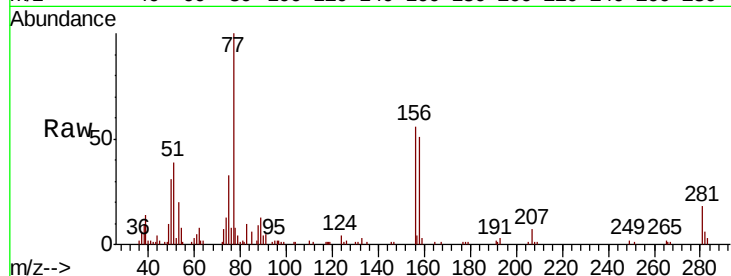
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.3	0.0	456.0
158	93.2	0.0	195.4

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#74

n-propylbenzene

Concen: 5.302 ug/l

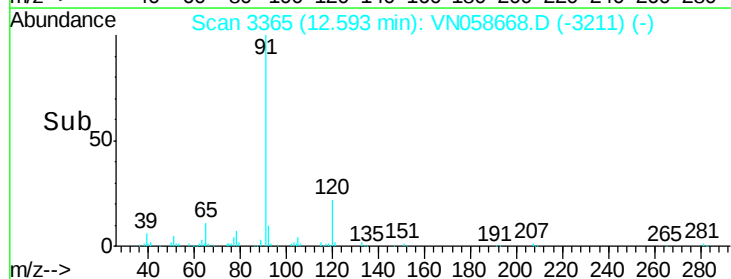
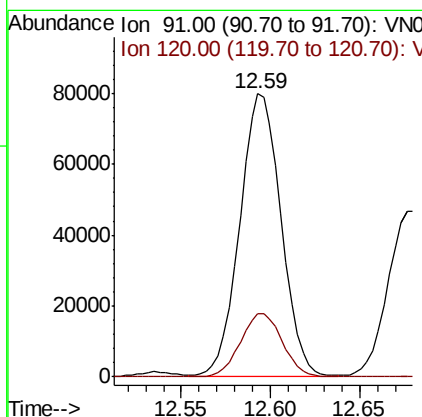
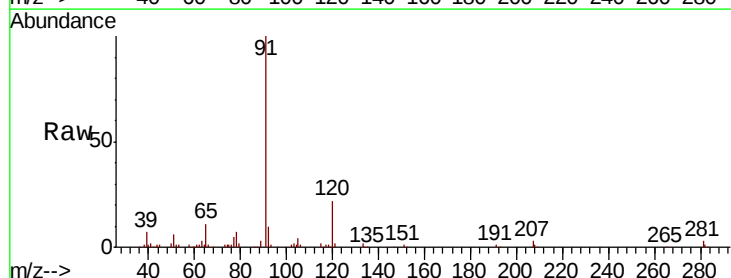
RT: 12.59 min Scan# 3365

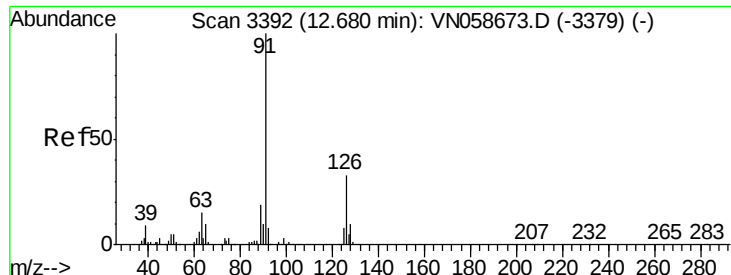
Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	43.6





#75

2-Chlorotoluene

Concen: 5.121 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058668.D

Acq: 10 Oct 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 77642

Ion Ratio Lower Upper

91 100

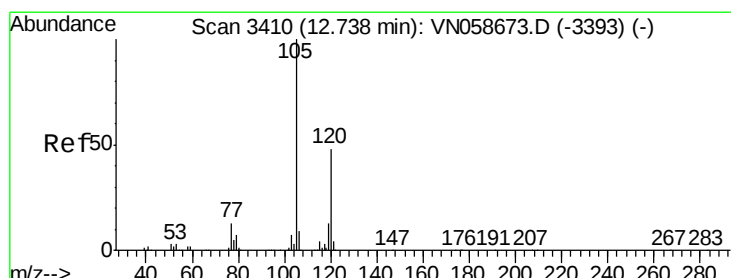
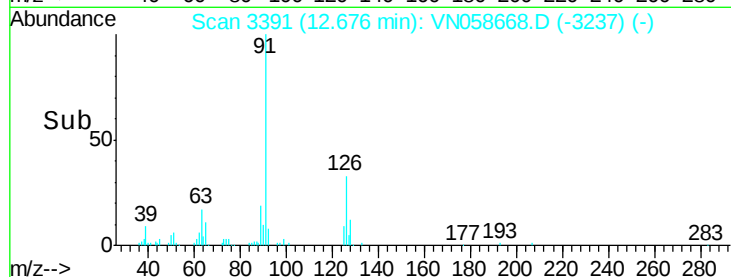
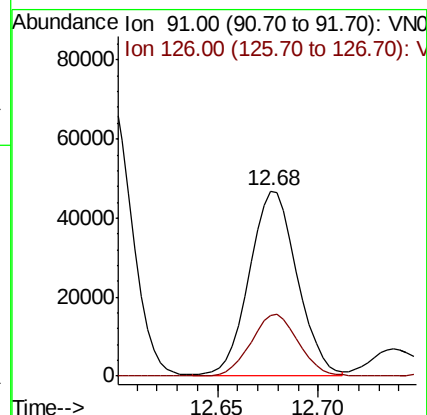
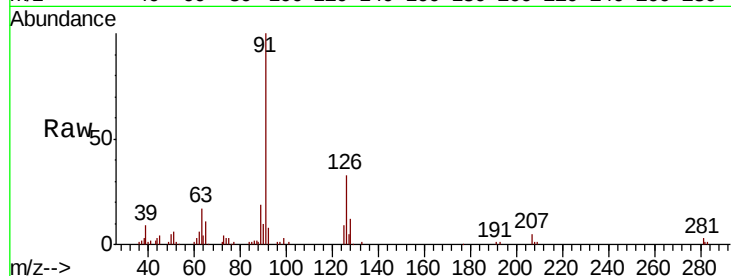
126 33.0 0.0 65.4

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#76

1,3,5-Trimethylbenzene

Concen: 5.185 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058668.D

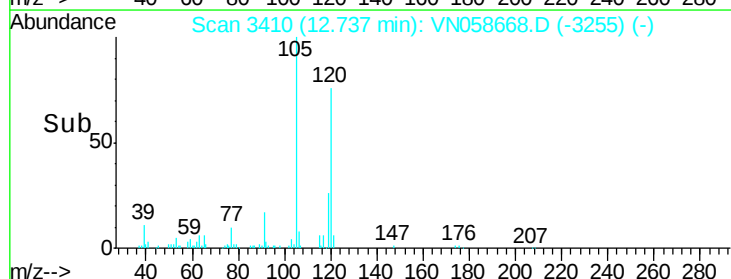
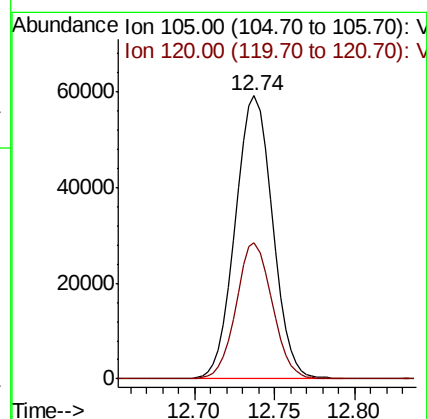
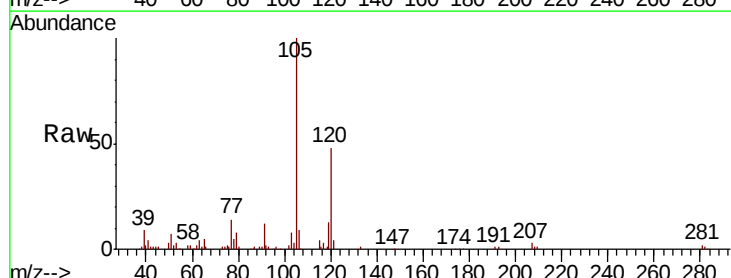
Acq: 10 Oct 2019 16:44

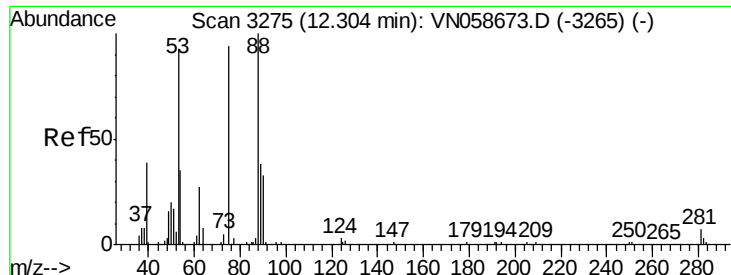
Tgt Ion: 105 Resp: 93764

Ion Ratio Lower Upper

105 100

120 46.6 0.0 94.0





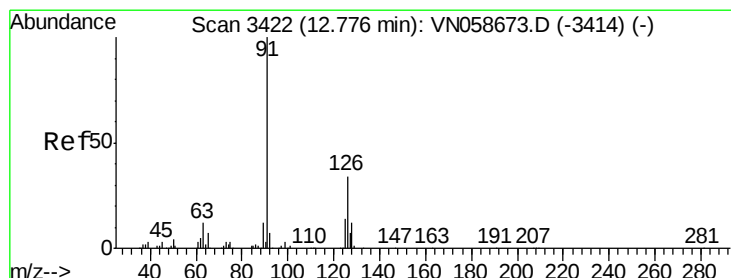
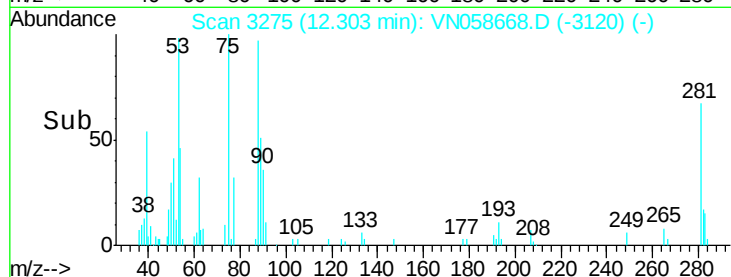
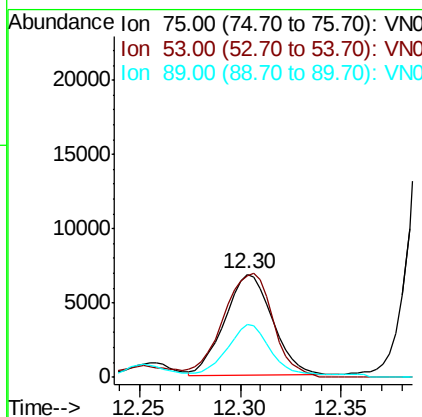
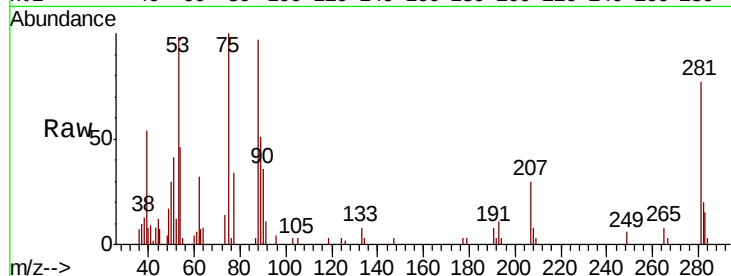
#77
t-1,4-Dichloro-2-butene
Concen: 5.550 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	50.0	150.0
89	49.5	20.7	62.1

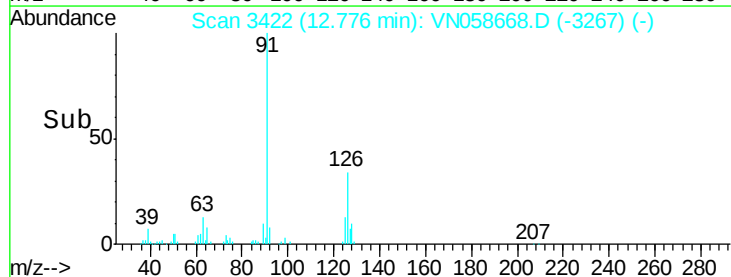
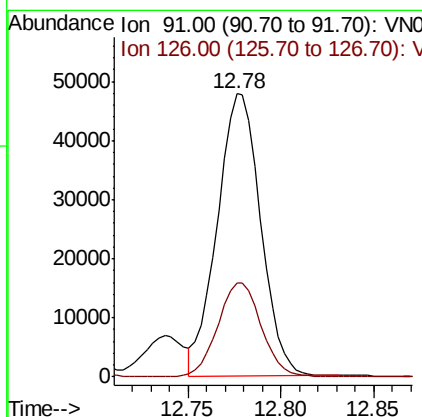
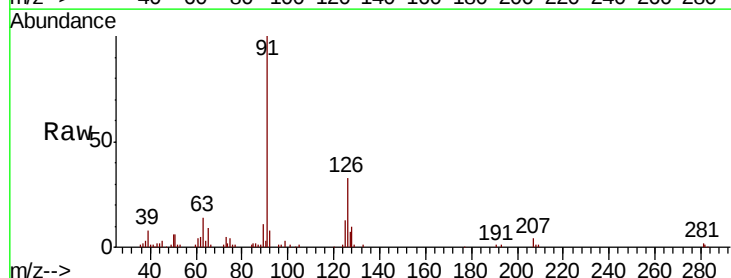
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#78
4-Chlorotoluene
Concen: 4.981 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	0.0	63.4





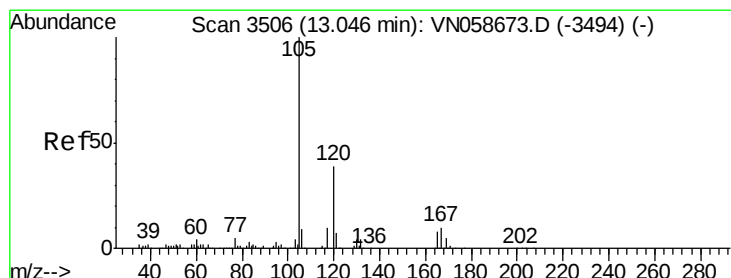
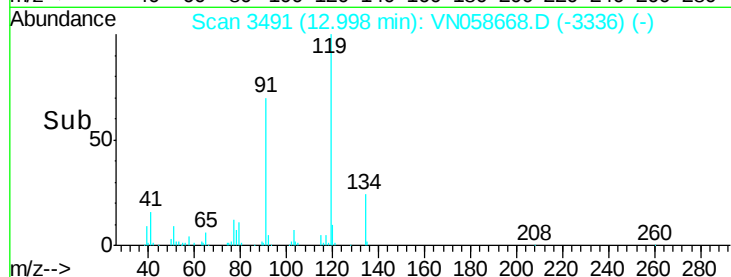
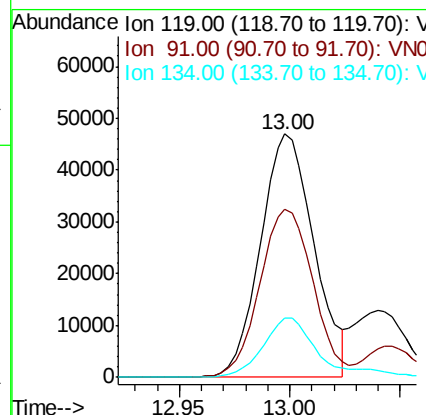
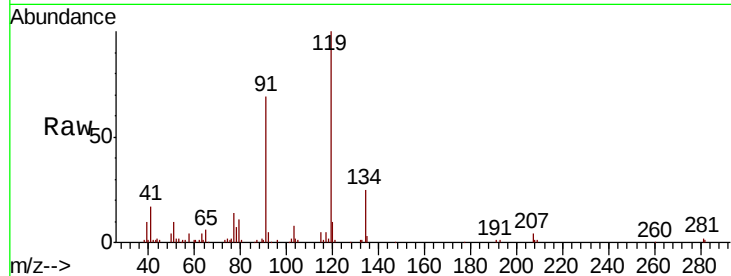
#79
tert-butylbenzene
Concen: 5.024 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	79000		
91	69.0		0.0	136.4
134	23.7		0.0	47.2

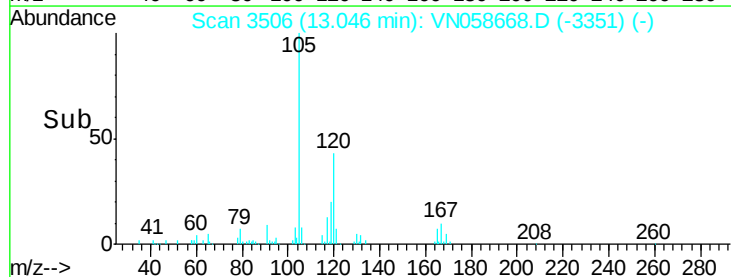
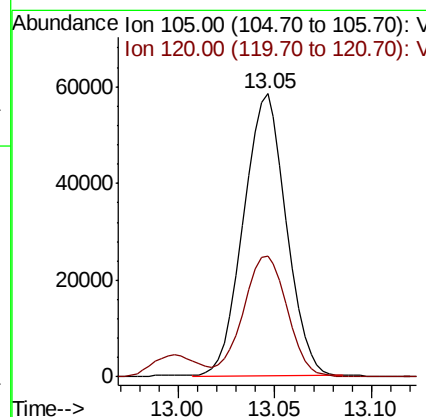
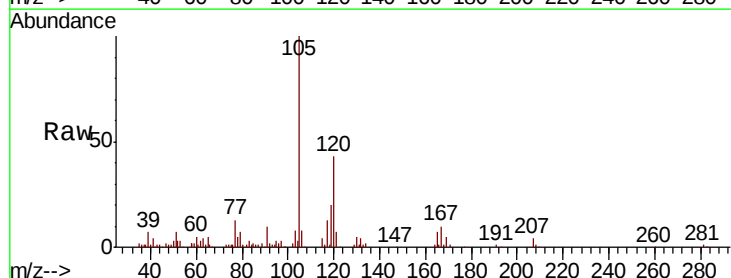
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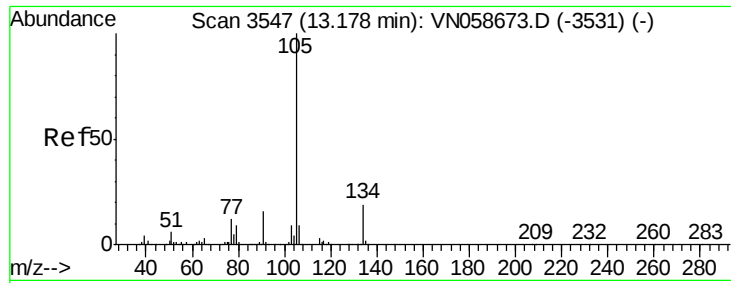
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#80
1,2,4-Trimethylbenzene
Concen: 4.990 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	89827		
120	44.1		0.0	89.2





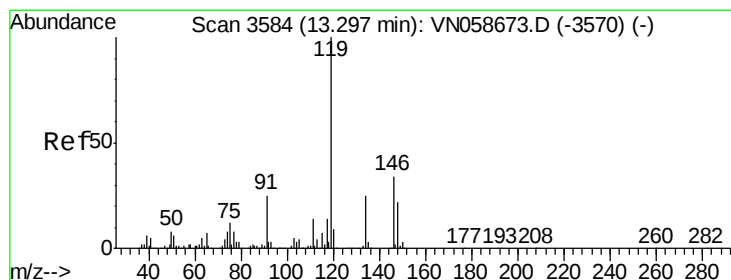
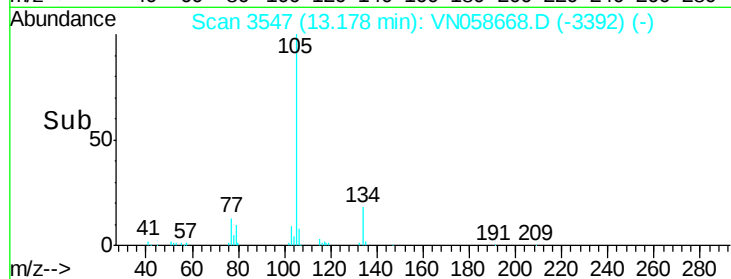
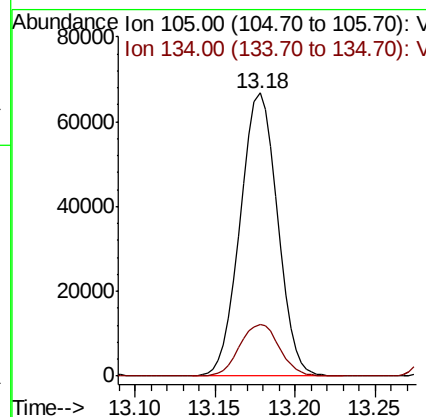
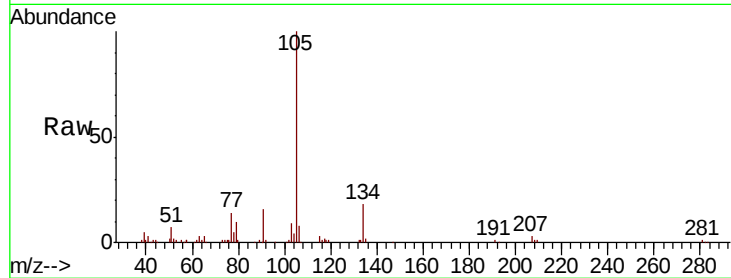
#81
 sec-Butylbenzene
 Concen: 5.171 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	106139		
134	19.5	0.0	38.0	

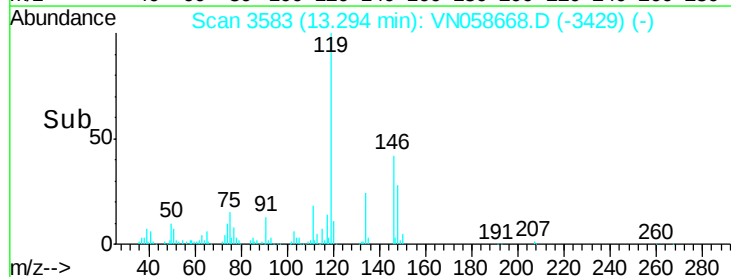
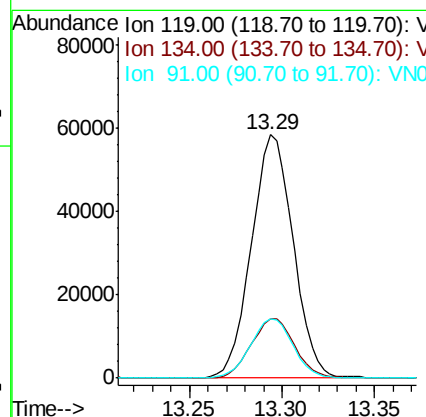
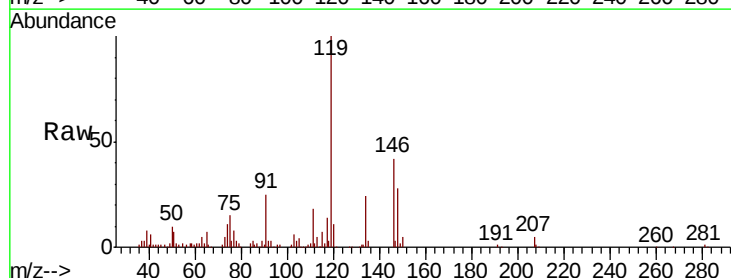
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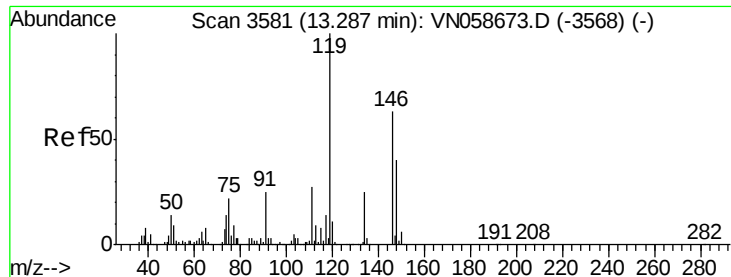
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#82
 p-Isopropyltoluene
 Concen: 4.933 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	91381		
134	25.4	0.0	50.8	
91	24.9	0.0	49.4	





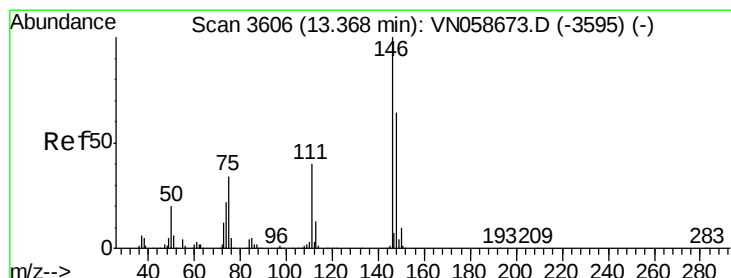
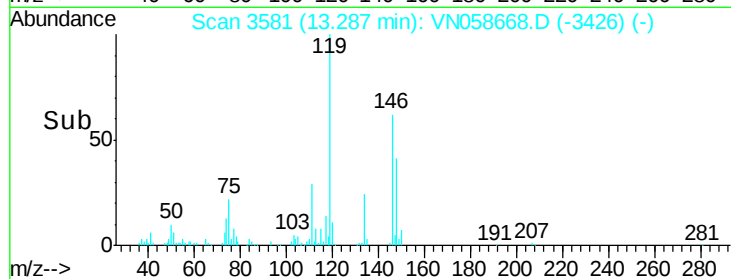
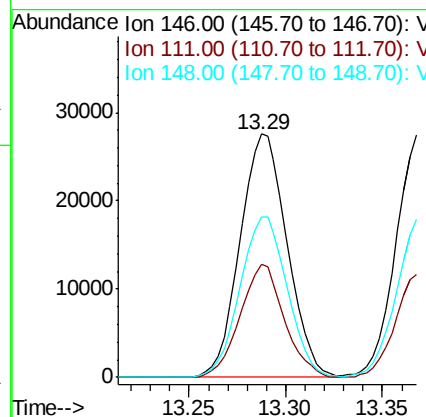
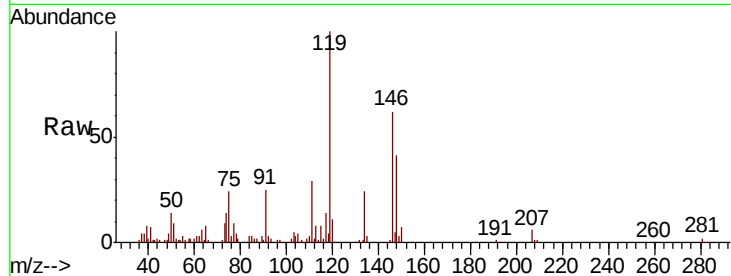
#83
 1,3-Dichlorobenzene
 Concen: 4.939 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.0	63.0
148	66.1	31.7	95.1

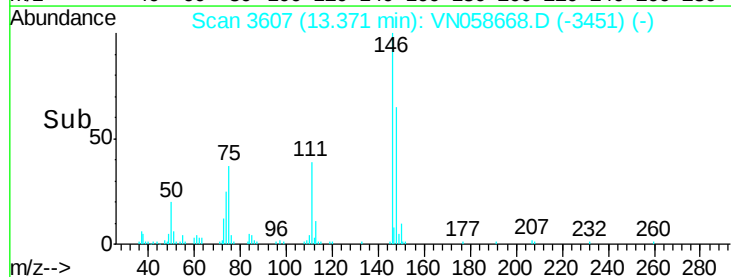
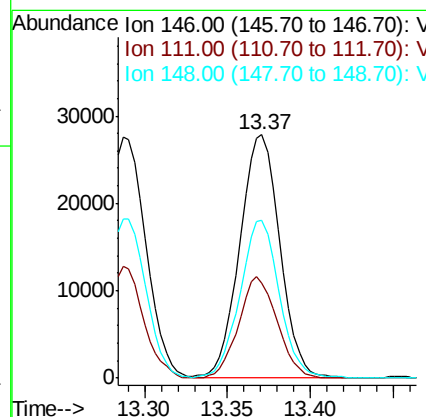
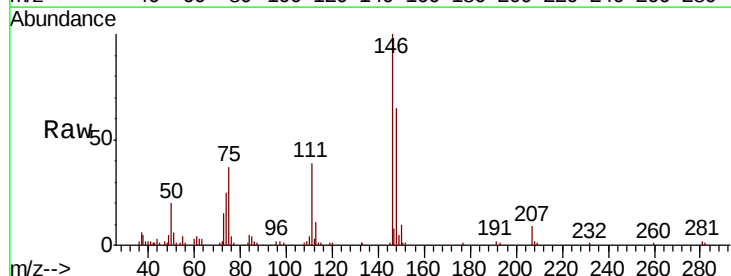
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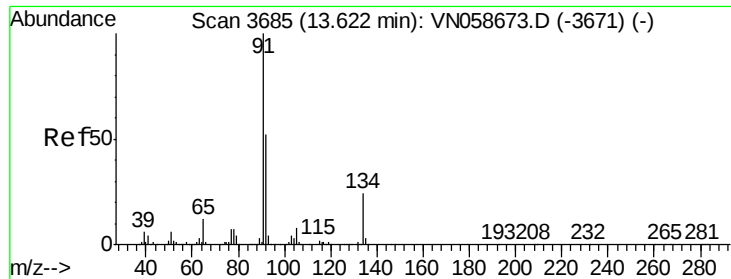
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#84
 1,4-Dichlorobenzene
 Concen: 4.984 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.4
148	63.7	31.6	94.8





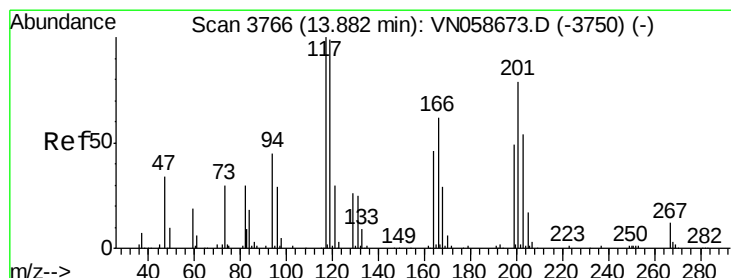
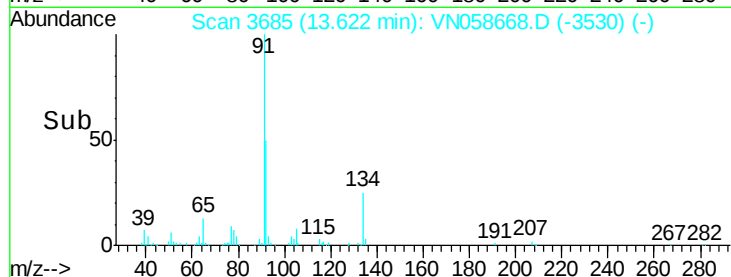
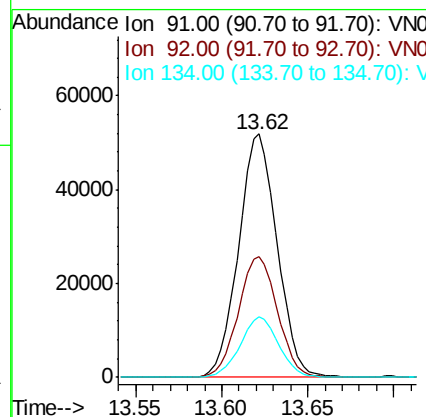
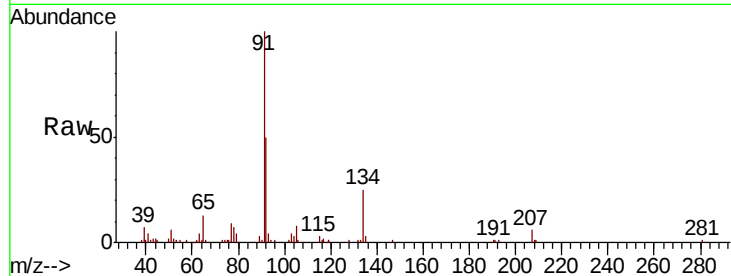
#85
n-Butylbenzene
Concen: 4.700 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	102.8
134	24.7	0.0	48.6

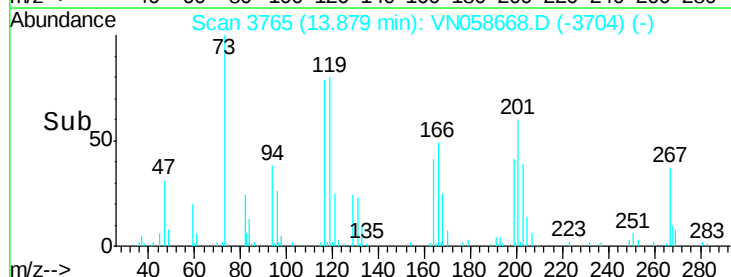
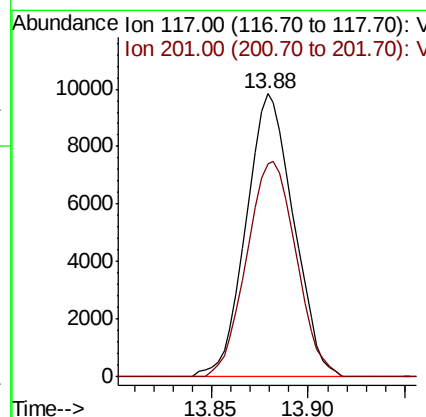
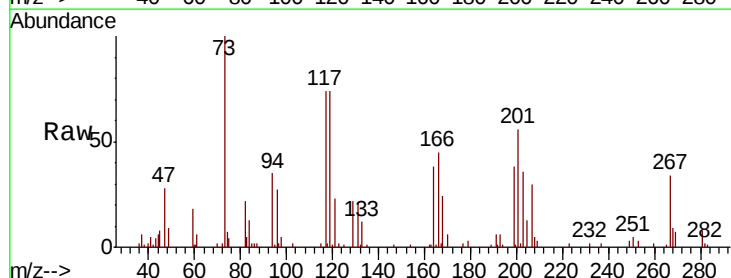
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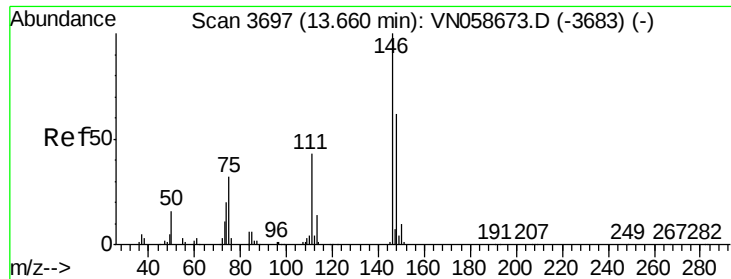
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#86
Hexachloroethane
Concen: 5.378 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	38.7	116.1





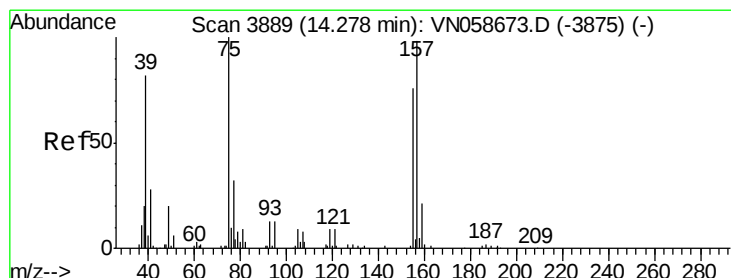
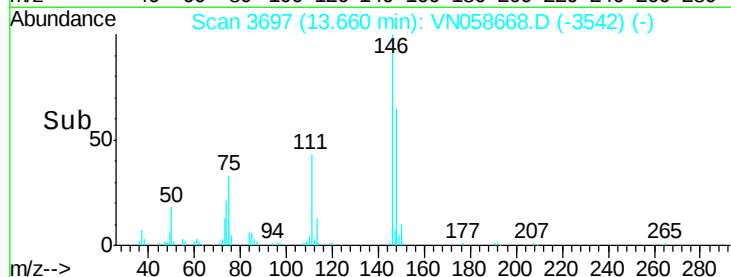
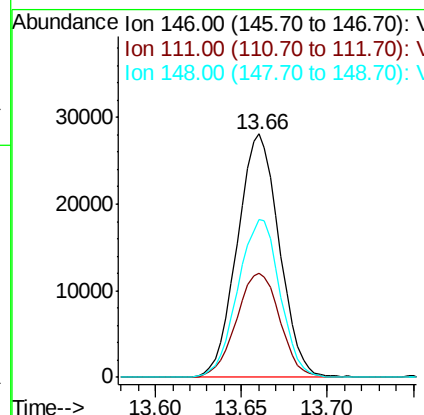
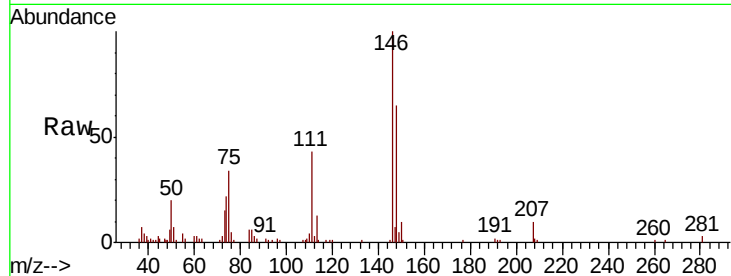
#87
 1,2-Dichlorobenzene
 Concen: 5.164 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.4
148	64.9	32.1	96.5

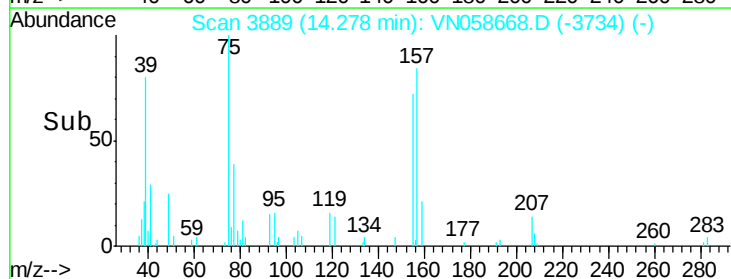
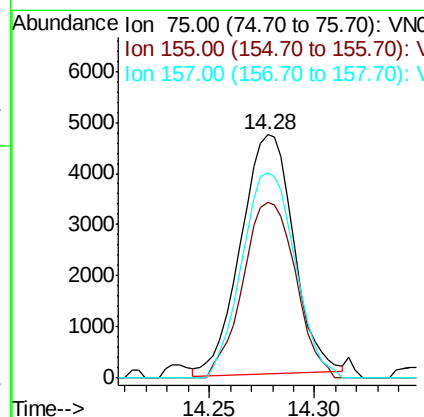
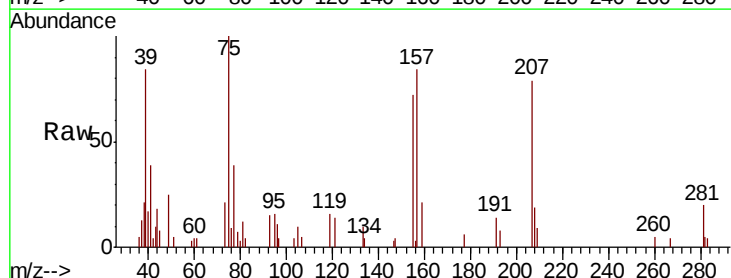
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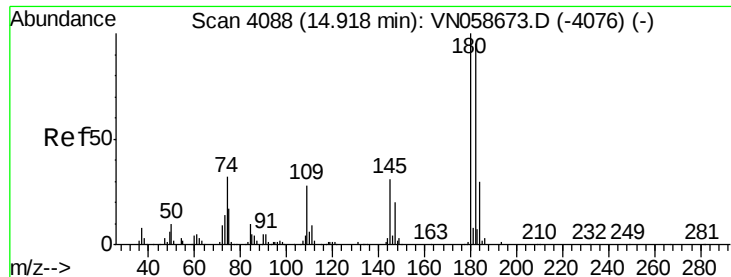
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.878 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	58.3	87.5
157	86.3	75.0	112.6





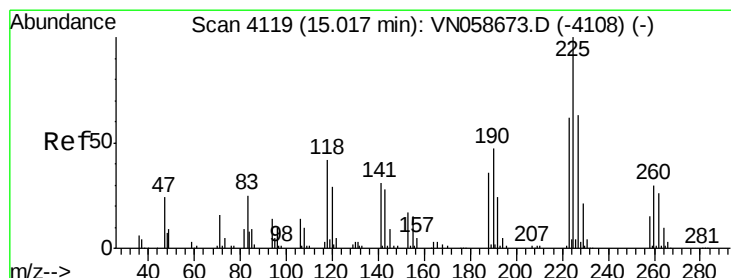
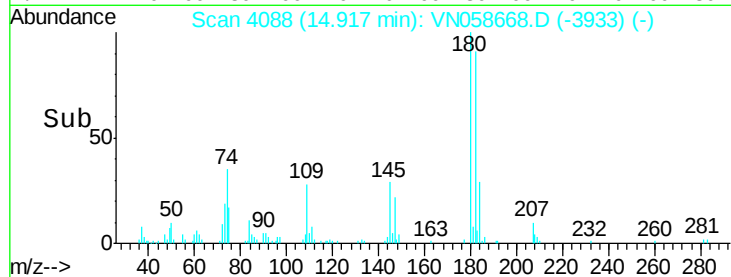
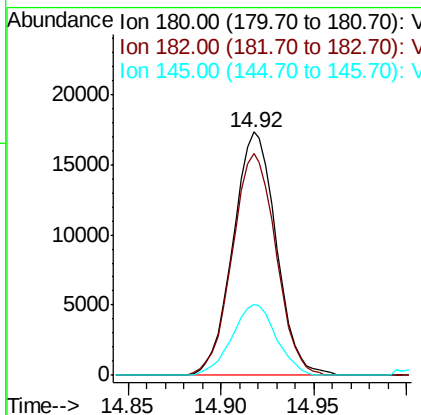
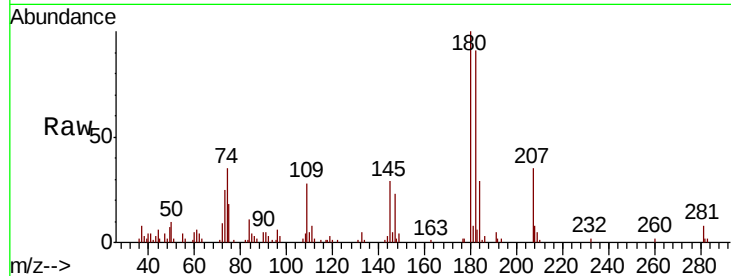
#89
 1,2,4-Trichlorobenzene
 Concen: 4.645 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	75.3	112.9
145	29.8	24.8	37.2

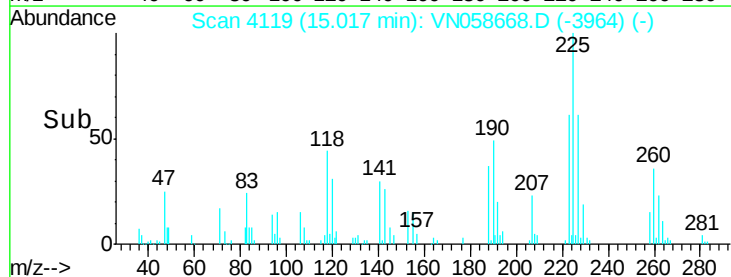
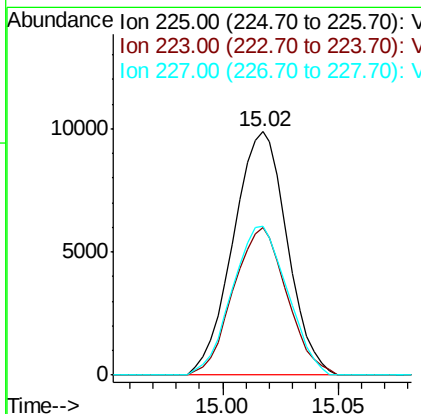
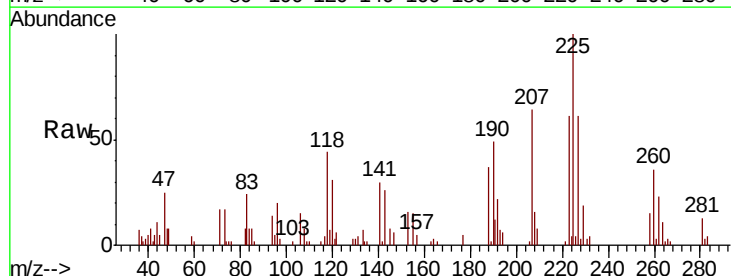
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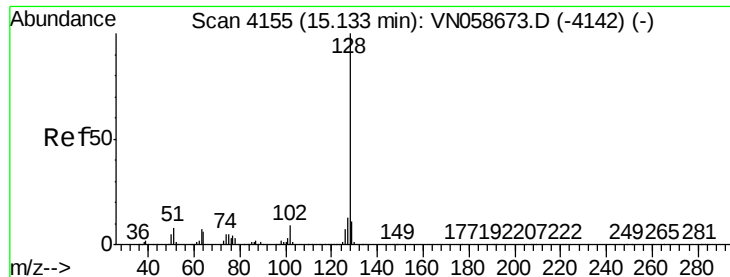
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#90
 Hexachlorobutadiene
 Concen: 5.411 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058668.D
 Acq: 10 Oct 2019 16:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	0.0	126.2
227	62.5	0.0	127.0





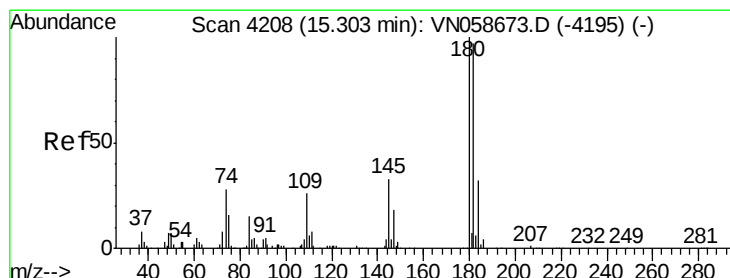
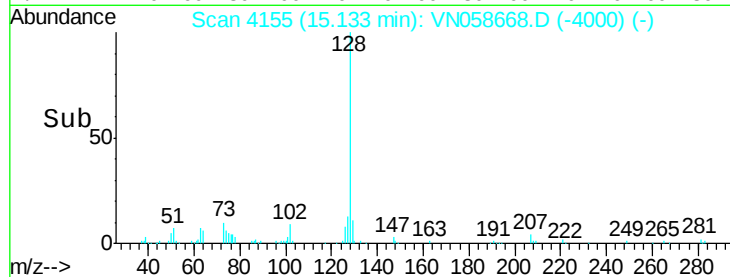
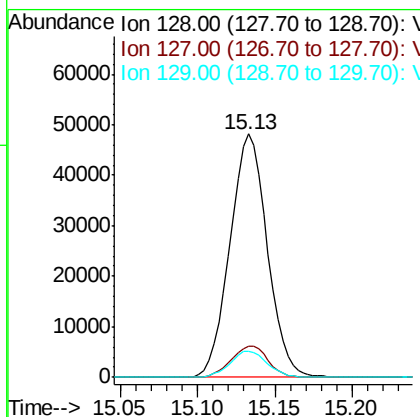
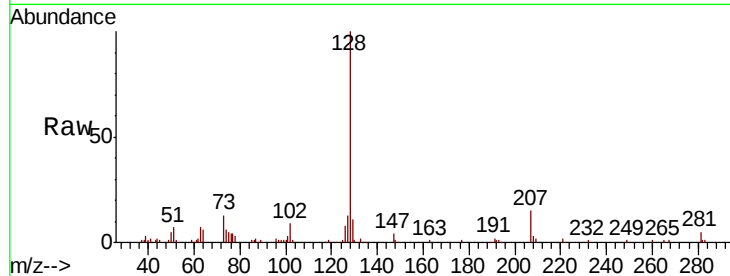
#91
Naphthalene
Concen: 4.790 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	128	Resp:	80584
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.6	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 4.800 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058668.D
Acq: 10 Oct 2019 16:44

Tgt Ion:	180	Resp:	27962
Ion Ratio	Lower	Upper	
180	100		
182	91.8	0.0	193.4
145	32.3	0.0	65.8

