

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058843.D
 Acq On : 18 Oct 2019 8:53
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:43 AM

Quant Time: Oct 19 00:00:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	357236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	591218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	221904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	4351	0.980 ug/l	97
3) Chloromethane	2.04	50	6184	1.158 ug/l	93
4) Vinyl Chloride	2.17	62	5404	1.017 ug/l	98
6) Chloroethane	2.69	64	3779	1.147 ug/l #	83
7) Trichlorofluoromethane	3.00	101	6619	1.027 ug/l	95
8) Diethyl Ether	3.39	74	2443	1.049 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4016	1.108 ug/l #	68
12) 1,1-Dichloroethene	3.72	96	3568	1.035 ug/l #	77
14) Allyl chloride	4.30	41	6588	0.943 ug/l	96
15) Acrylonitrile	4.96	53	9144	4.406 ug/l #	84
16) Acetone	3.79	43	11868	5.441 ug/l	97
17) Carbon Disulfide	4.03	76	11607	1.047 ug/l	99
18) Methyl Acetate	4.30	43	6605	1.240 ug/l	99
19) Methyl tert-butyl Ether	5.01	73	11533	0.938 ug/l	99
20) Methylene Chloride	4.52	84	5164	1.188 ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	3763	0.977 ug/l	85
22) Diisopropyl ether	5.92	45	11759	0.864 ug/l #	81
23) Vinyl Acetate	5.87	43	47802	4.351 ug/l	99
24) 1,1-Dichloroethane	5.82	63	8582	1.112 ug/l #	85
25) 2-Butanone	6.82	43	15140	4.919 ug/l #	89
26) 2,2-Dichloropropane	6.79	77	7268m	1.033 ug/l	
27) cis-1,2-Dichloroethene	6.81	96	4287	0.952 ug/l	98
28) Bromochloromethane	7.18	49	2798	1.044 ug/l #	100
29) Tetrahydrofuran	7.19	42	8907	4.521 ug/l #	91
30) Chloroform	7.35	83	9155	1.177 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	6673	1.009 ug/l #	52
36) 1,1-Dichloropropene	7.77	75	5639	0.934 ug/l	94
37) Ethyl Acetate	6.91	43	5690m	0.922 ug/l	
38) Carbon Tetrachloride	7.75	117	6191	1.052 ug/l	98
39) Methylcyclohexane	9.07	83	5640	0.809 ug/l	93
40) Benzene	8.02	78	16886	0.972 ug/l	100
41) Methacrylonitrile	7.16	41	3096	1.105 ug/l #	100
42) 1,2-Dichloroethane	8.11	62	6788	1.018 ug/l	82
43) Isopropyl Acetate	8.15	43	9072	0.869 ug/l #	71

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	3945	0.919	ug/l	98
45) 1,2-Dichloropropane	9.10	63	4689	1.007	ug/l	92
46) Dibromomethane	9.19	93	2952	1.003	ug/l	95
47) Bromodichloromethane	9.39	83	5939	0.989	ug/l #	85
48) Methyl methacrylate	9.19	41	3839	0.809	ug/l	94
49) 1,4-Dioxane	9.19	88	1290	17.478	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	24749	4.195	ug/l	96
52) Toluene	10.15	92	8558	0.807	ug/l	88
53) t-1,3-Dichloropropene	10.38	75	6016	0.874	ug/l #	63
54) cis-1,3-Dichloropropene	9.83	75	6408	0.875	ug/l	90
55) 1,1,2-Trichloroethane	10.55	97	4145	0.954	ug/l	94
56) Ethyl methacrylate	10.43	69	4242	0.668	ug/l #	85
57) 1,3-Dichloropropane	10.70	76	6996	0.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	9880	3.292	ug/l	96
59) 2-Hexanone	10.75	43	18292	3.999	ug/l	91
60) Dibromochloromethane	10.90	129	4080	0.910	ug/l	99
61) 1,2-Dibromoethane	11.00	107	3947	0.906	ug/l	96
64) Tetrachloroethene	10.63	164	3992	1.055	ug/l	99
65) Chlorobenzene	11.43	112	10306	0.939	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	3798	0.935	ug/l #	61
67) Ethyl Benzene	11.51	91	16245	0.830	ug/l	100
68) m/p-Xylenes	11.62	106	11256	1.534	ug/l	99
69) o-Xylene	11.95	106	5514	0.777	ug/l	97
70) Styrene	11.96	104	7822	0.673	ug/l	98
71) Bromoform	12.13	173	2947	0.983	ug/l #	96
73) Isopropylbenzene	12.25	105	16167	0.999	ug/l	100
74) N-amyl acetate	12.07	43	5607	0.765	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	6089	1.133	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	5124m	1.026	ug/l	
77) Bromobenzene	12.53	156	3965	1.005	ug/l	88
78) n-propylbenzene	12.59	91	18881	1.000	ug/l	95
79) 2-Chlorotoluene	12.68	91	11995	1.023	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	12334	0.892	ug/l	99
82) 4-Chlorotoluene	12.78	91	11468	0.954	ug/l	95
83) tert-Butylbenzene	12.99	119	10593	0.895	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	10905	0.794	ug/l	91
85) sec-Butylbenzene	13.18	105	13825	0.885	ug/l	98
86) p-Isopropyltoluene	13.29	119	11533	0.815	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	6413	0.885	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	6933m	0.939	ug/l	
89) n-Butylbenzene	13.62	91	9985	0.763	ug/l	99
90) Hexachloroethane	13.88	117	2780	1.087	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	6788	0.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1462	1.161	ug/l	66
93) 1,2,4-Trichlorobenzene	14.92	180	2803	0.655	ug/l	96
94) Hexachlorobutadiene	15.02	225	2308	1.015	ug/l	96
95) Naphthalene	15.13	128	7013	0.571	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	2973	0.710	ug/l	93

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MSVOA_N
ClientSampleId :
VSTDICC001

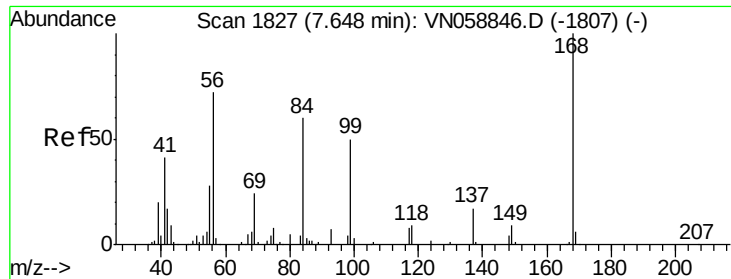
Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:43 AM

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Quant Title : SW846 8260
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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

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 357236

Ion Ratio Lower Upper

168 100

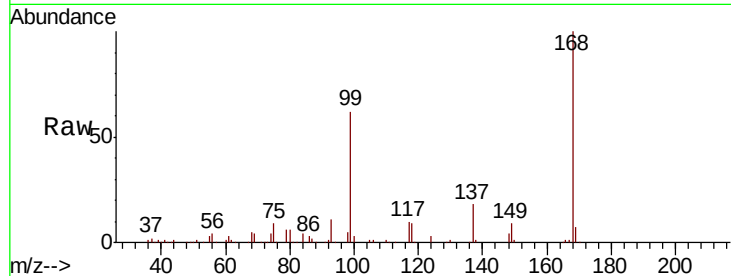
99 62.1 48.1 72.1

Manual Integrations

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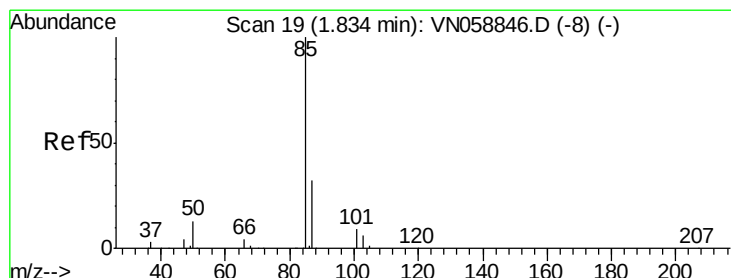
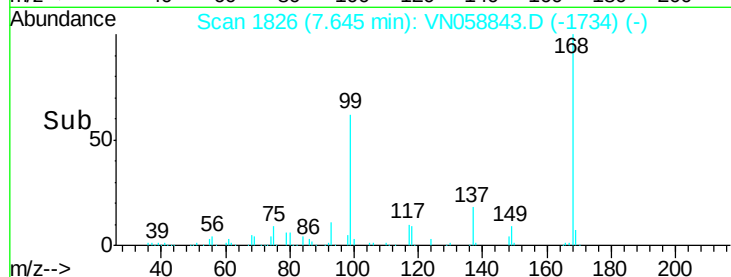
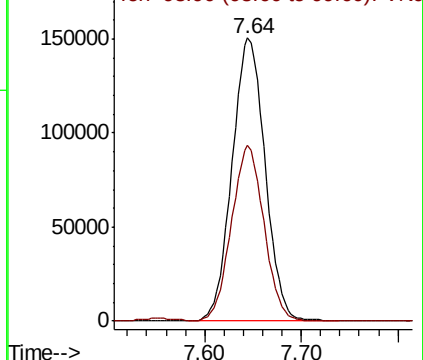
MMDadoda

10/21/2019 10:43:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.980 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058843.D

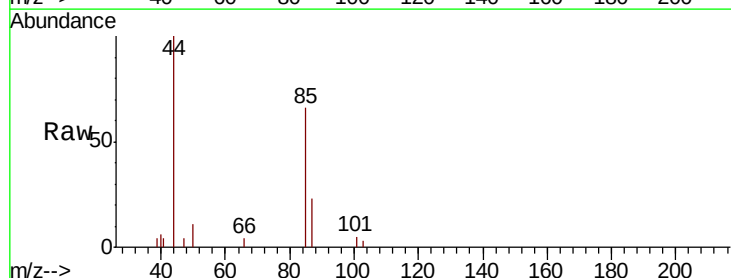
Acq: 18 Oct 2019 8:53

Tgt Ion: 85 Resp: 4351

Ion Ratio Lower Upper

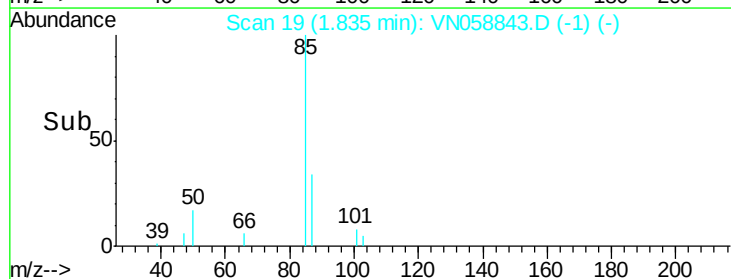
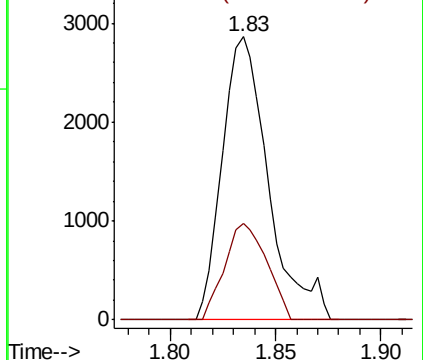
85 100

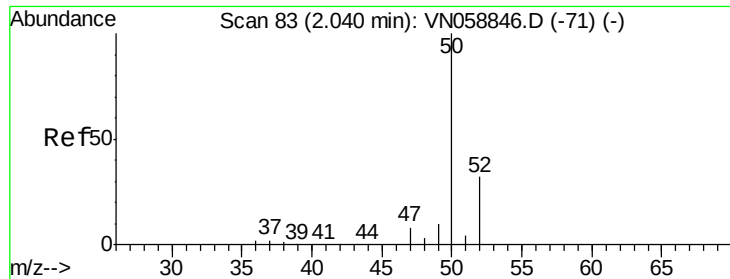
87 34.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.158 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 6184

Ion Ratio Lower Upper

50 100

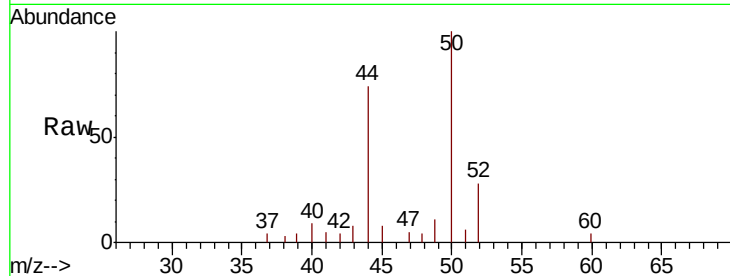
52 28.5 25.7 38.5

Manual Integrations

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MMDadoda

10/21/2019 10:43:43 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

4000

3000

2000

1000

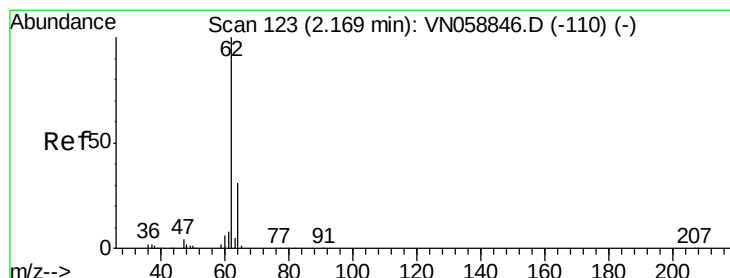
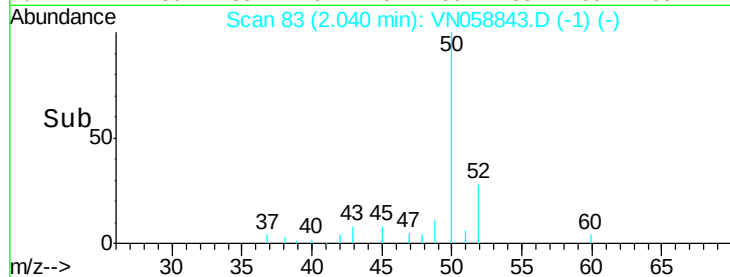
0

Time-->

2.00

2.05

2.10



#4

Vinyl Chloride

Concen: 1.017 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058843.D

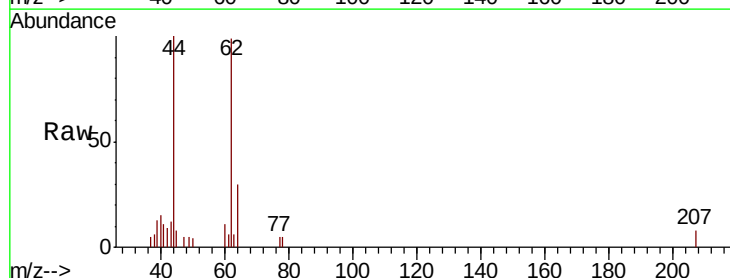
Acq: 18 Oct 2019 8:53

Tgt Ion: 62 Resp: 5404

Ion Ratio Lower Upper

62 100

64 29.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

4000

3000

2000

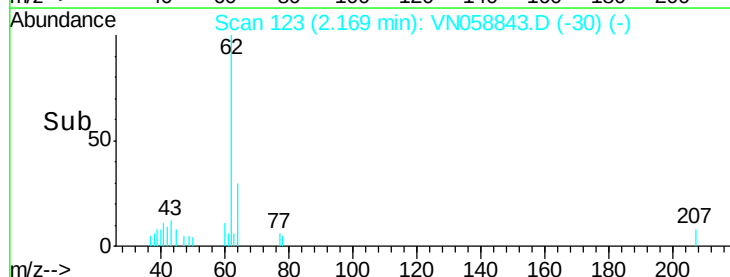
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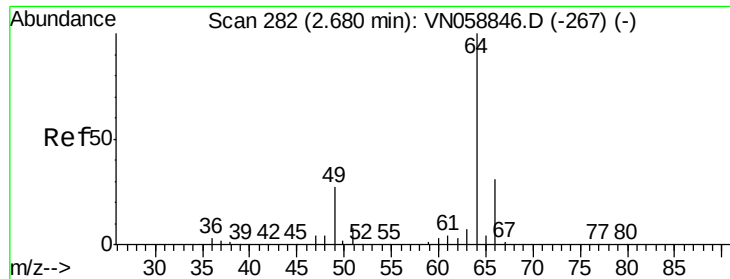
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Time-->

2.15

2.20





#6

Chloroethane

Concen: 1.147 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 3779

Ion Ratio Lower Upper

64 100

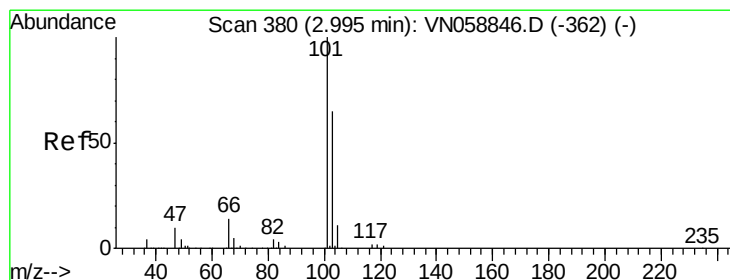
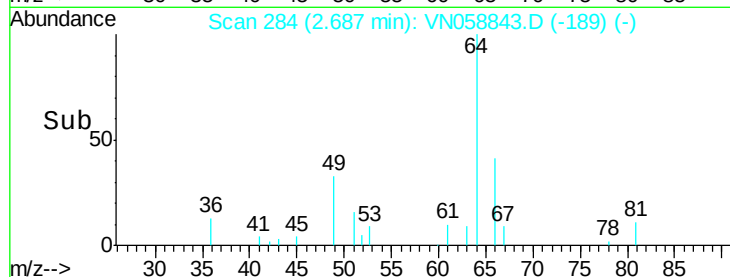
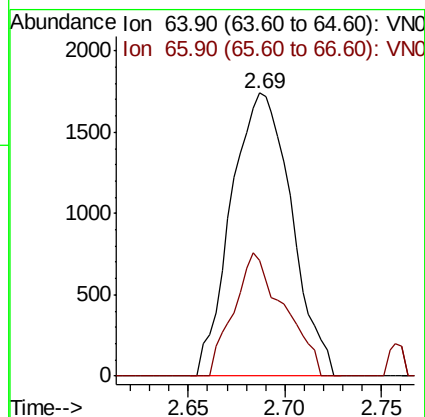
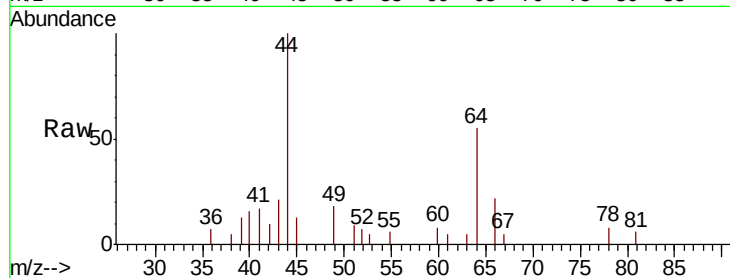
66 40.8 25.0 37.4#

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:43 AM



#7

Trichlorofluoromethane

Concen: 1.027 ug/l

RT: 3.00 min Scan# 381

Delta R.T. 0.00 min

Lab File: VN058843.D

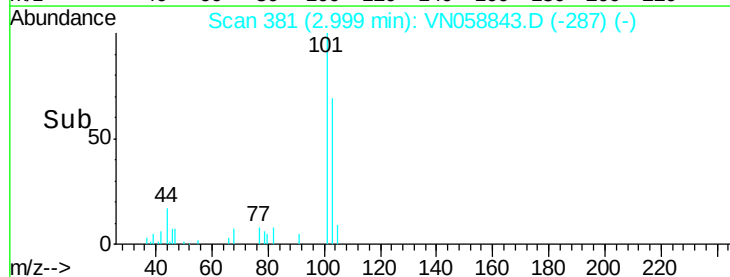
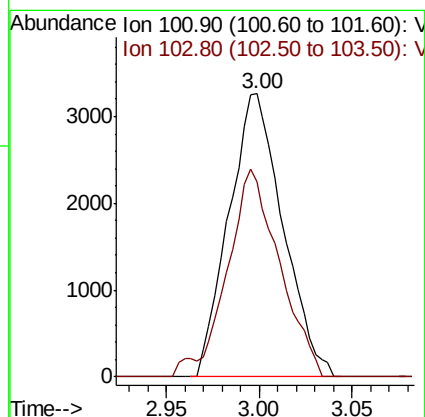
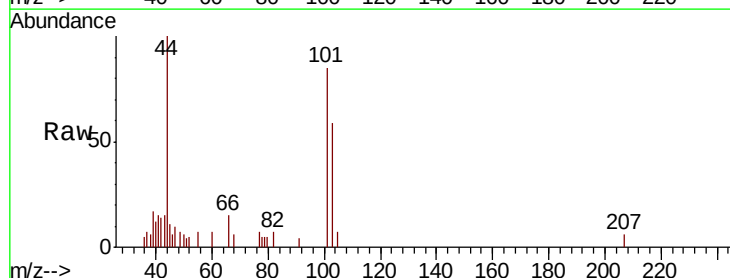
Acq: 18 Oct 2019 8:53

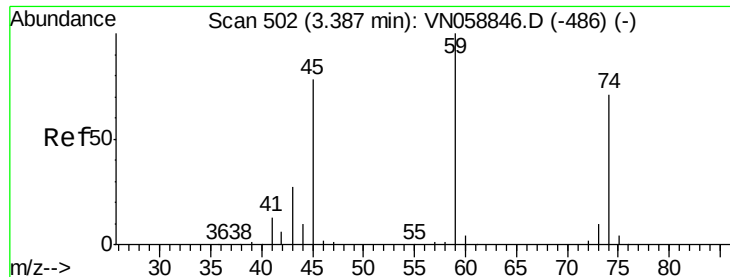
Tgt Ion: 101 Resp: 6619

Ion Ratio Lower Upper

101 100

103 68.8 52.2 78.2





#8

Diethyl Ether

Concen: 1.049 ug/l

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 74 Resp: 2443

Ion Ratio Lower Upper

74 100

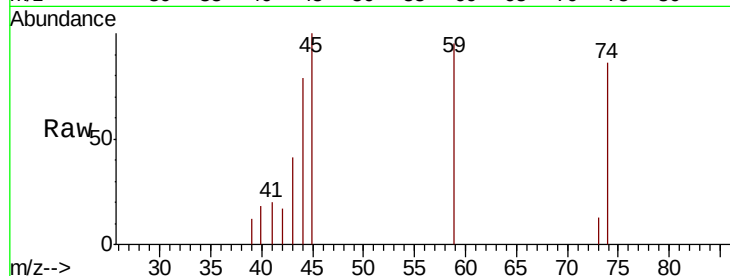
45 122.6 54.9 164.5

Manual Integrations

APPROVED

MMDadoda

10/21/2019 10:43:43 AM



Abundance Ion 74.00 (73.70 to 74.70): VN058846.D (-486) (-)

Ion 45.00 (44.70 to 45.70): VN058846.D (-486) (-)

3.39

1500

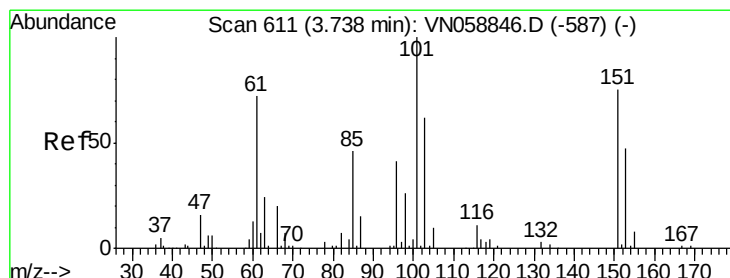
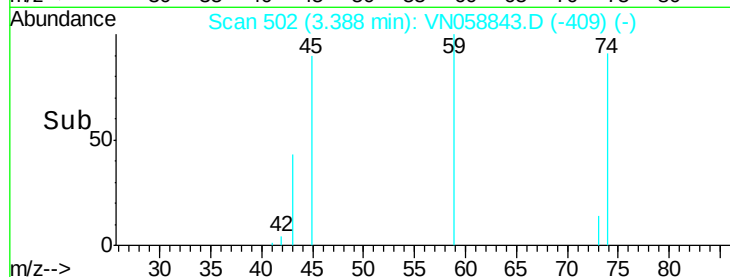
1000

500

0

3.35 3.40 3.45

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.108 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

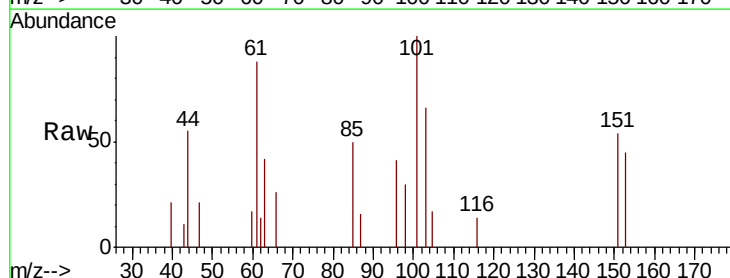
Tgt Ion: 101 Resp: 4016

Ion Ratio Lower Upper

101 100

85 44.2 37.2 55.8

151 32.3 59.9 89.9#



Abundance Ion 100.90 (100.60 to 101.60): VN058846.D (-587) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-587) (-)

Ion 150.80 (150.50 to 151.50): VN058846.D (-587) (-)

3.73

1500

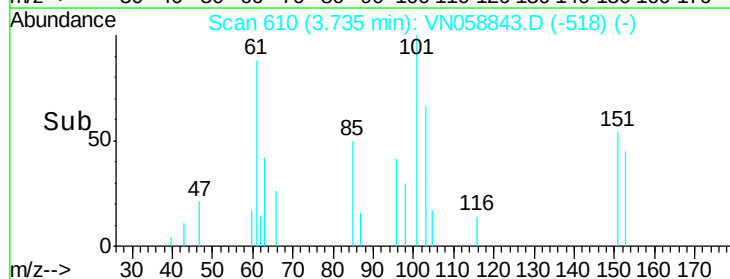
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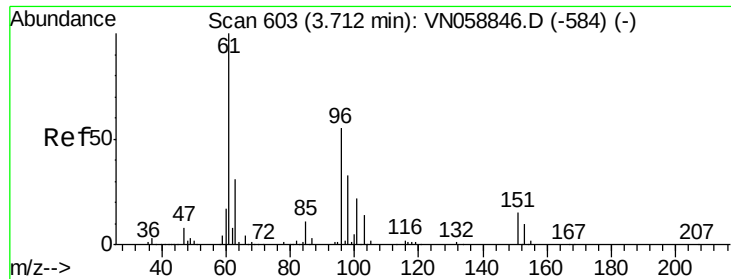
500

0

3.65 3.70 3.75 3.80

Time-->





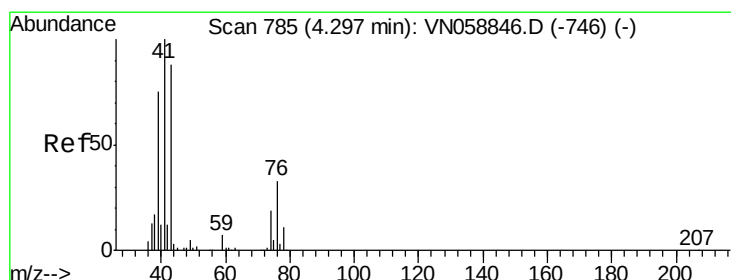
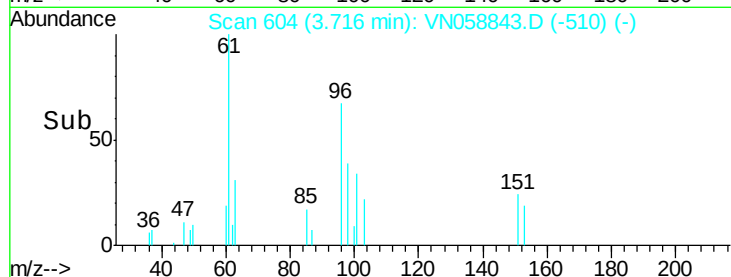
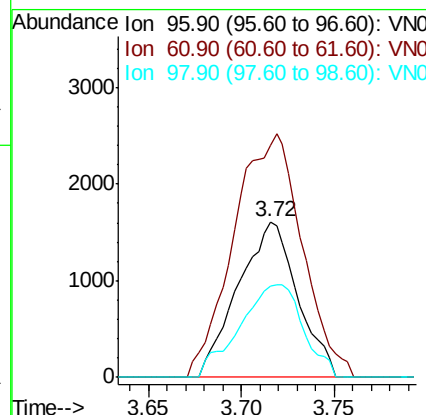
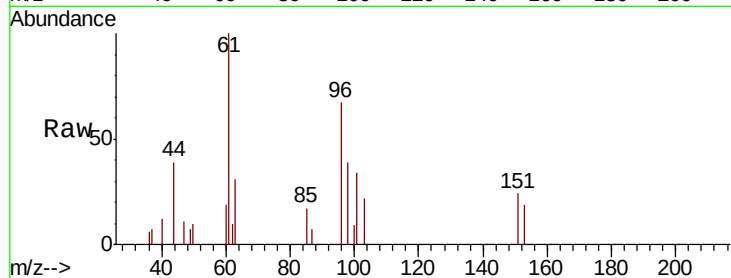
#12
 1,1-Dichloroethene
 Concen: 1.035 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	146.2	219.2#
98	58.9	48.7	73.1

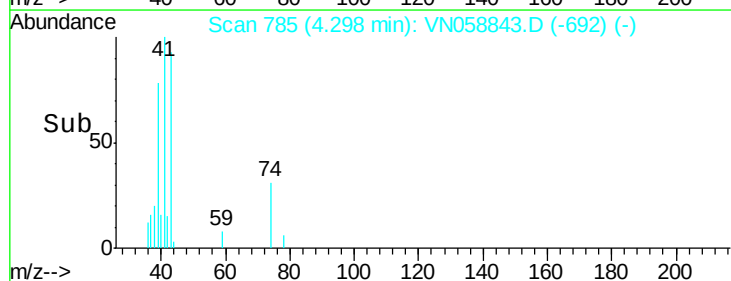
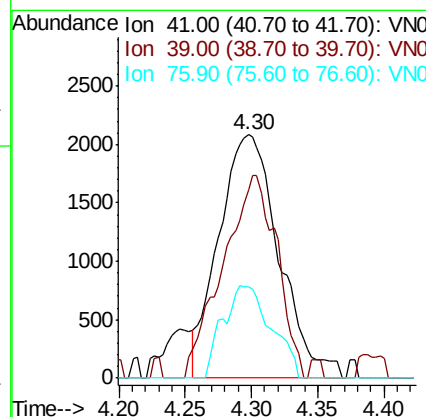
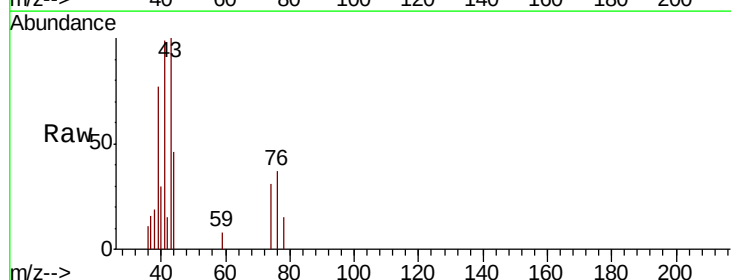
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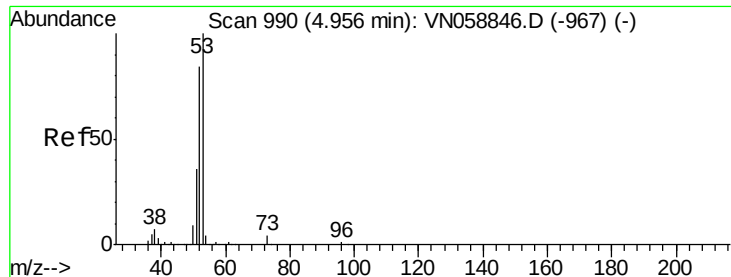
MMDadoda
 10/21/2019 10:43:43 AM



#14
 Allyl chloride
 Concen: 0.943 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.6	55.9	83.9
76	30.5	24.1	36.1





#15

Acrylonitrile

Concen: 4.406 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

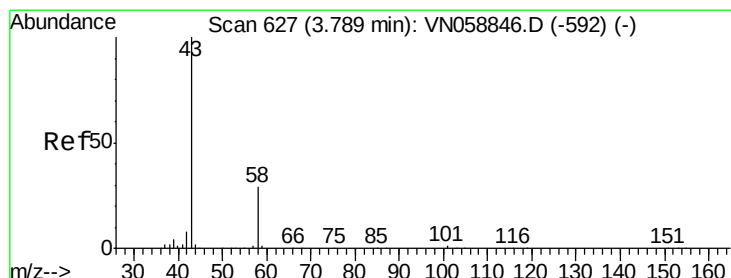
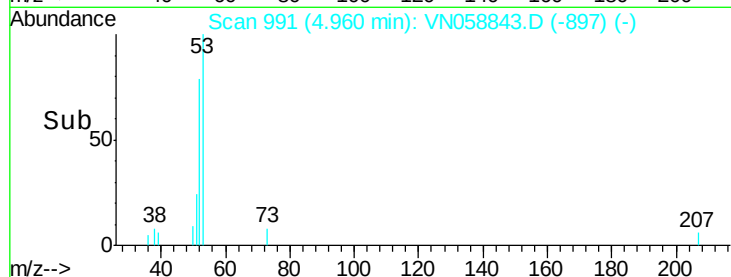
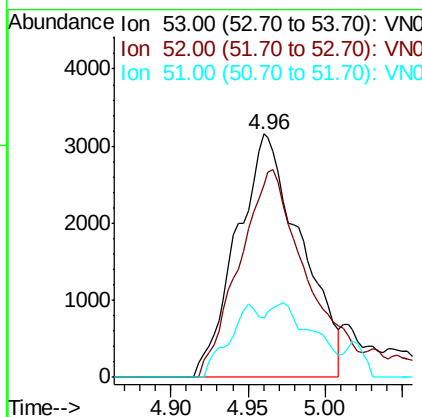
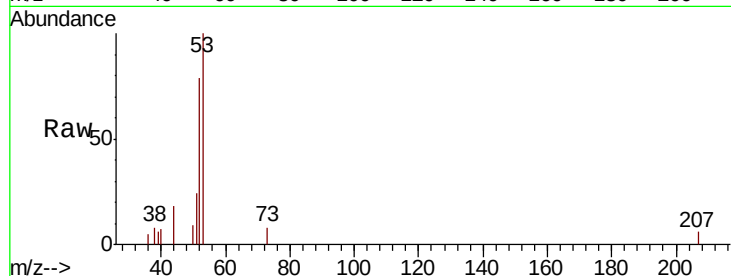
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	9144
Ion	Ratio	Lower	Upper
53	100		
52	89.5	66.6	99.8
51	15.2	29.2	43.8#

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10/21/2019 10:43:43 AM



#16

Acetone

Concen: 5.441 ug/l

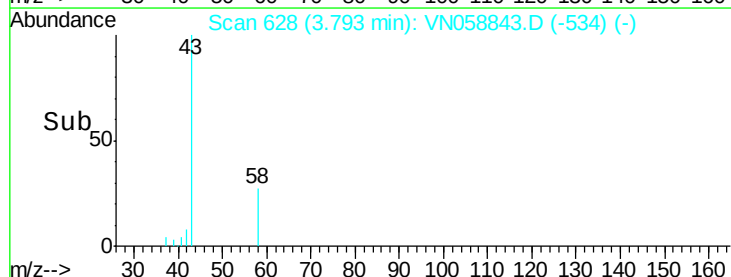
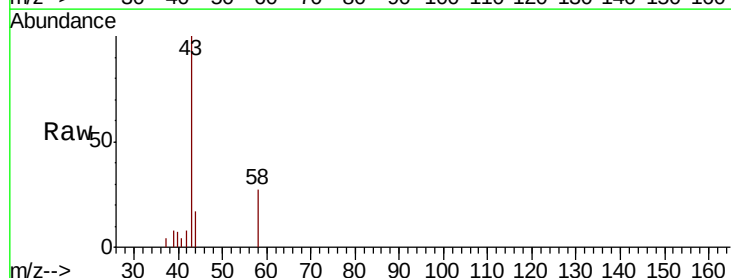
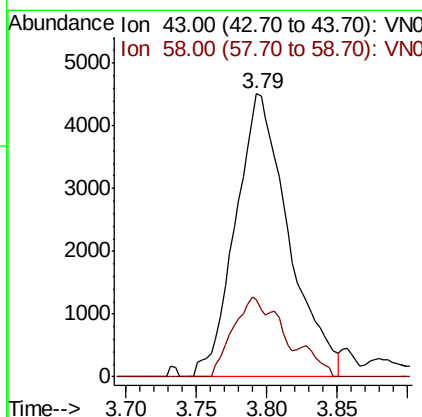
RT: 3.79 min Scan# 628

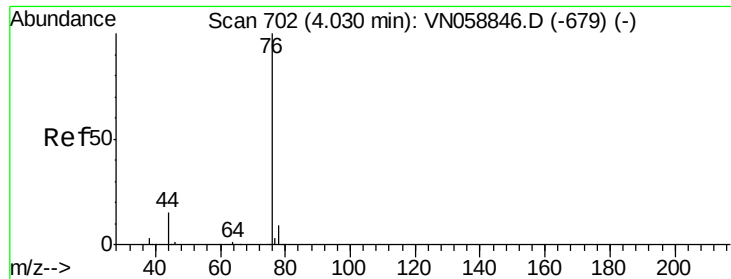
Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion:	43	Resp:	11868
Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.1	34.7





#17

Carbon Disulfide

Concen: 1.047 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 11607

Ion Ratio Lower Upper

76 100

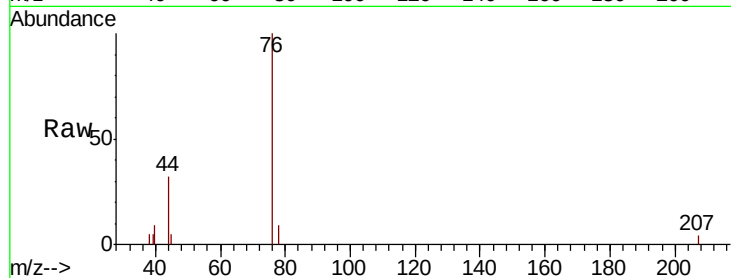
78 8.7 7.1 10.7

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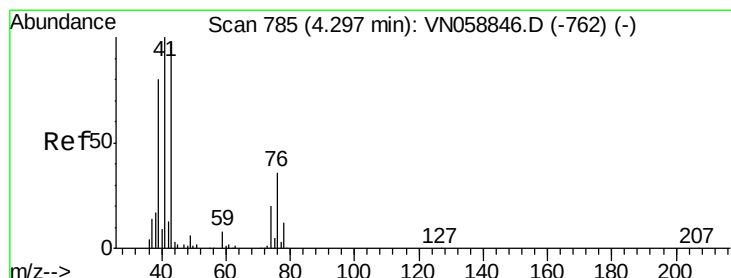
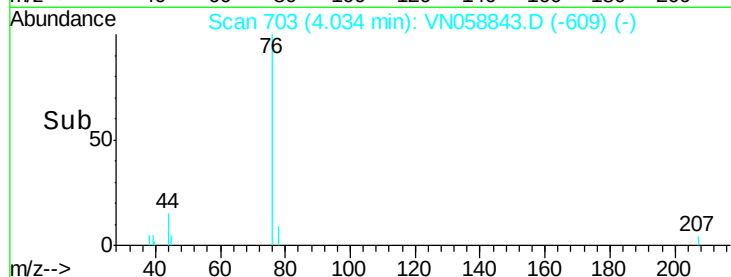
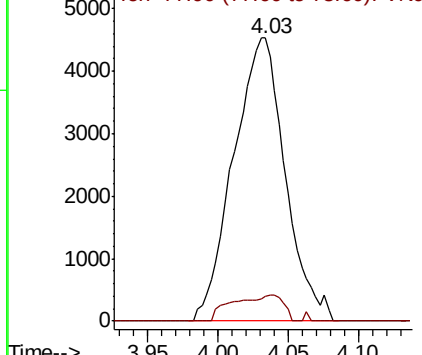
MMDadoda

10/21/2019 10:43:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.240 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058843.D

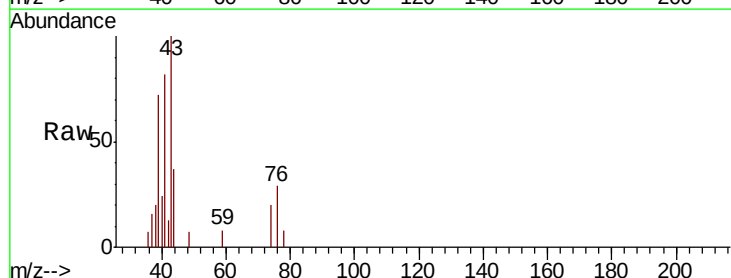
Acq: 18 Oct 2019 8:53

Tgt Ion: 43 Resp: 6605

Ion Ratio Lower Upper

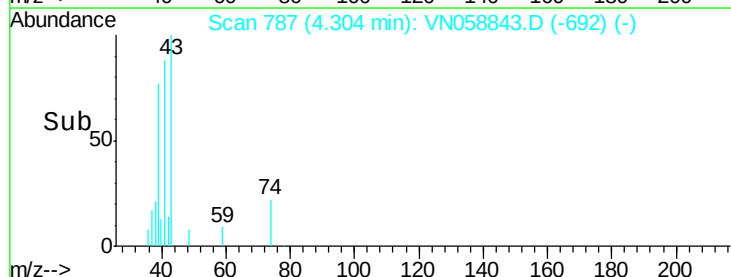
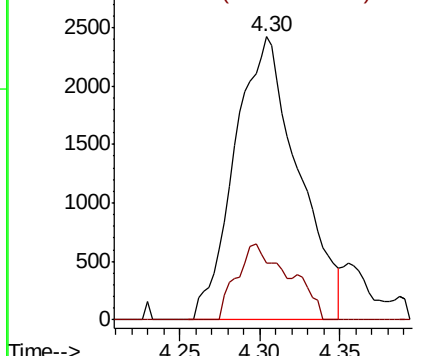
43 100

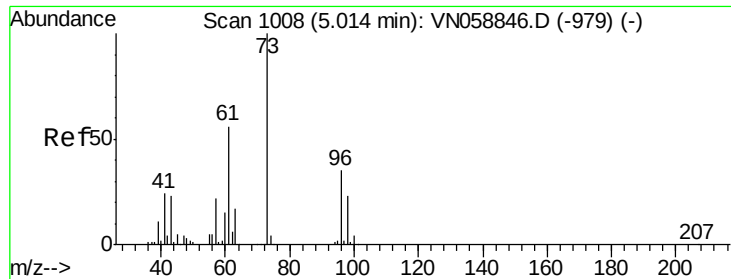
74 22.1 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





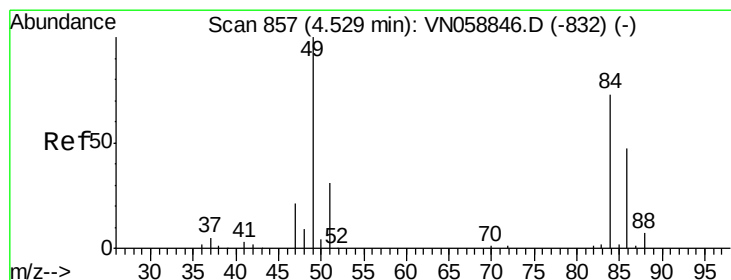
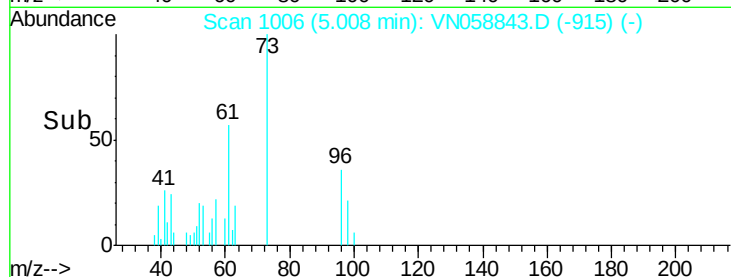
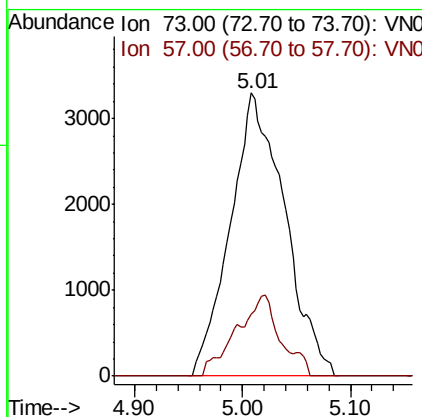
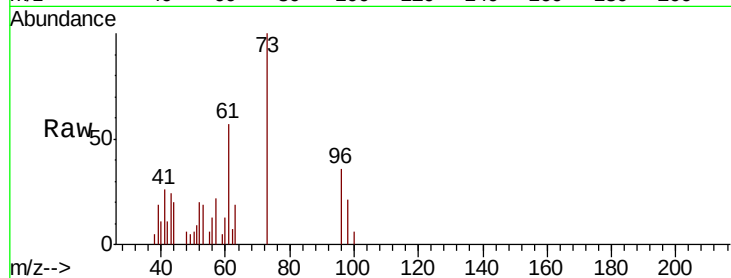
#19
Methyl tert-butyl Ether
Concen: 0.938 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 11533
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9

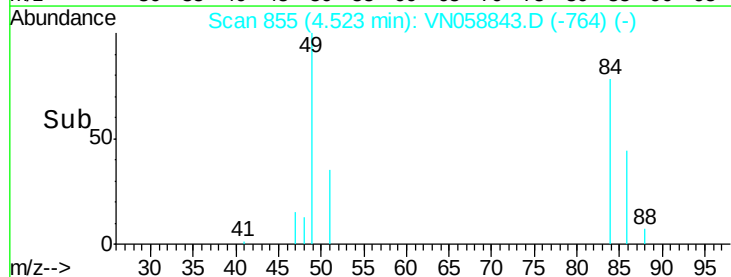
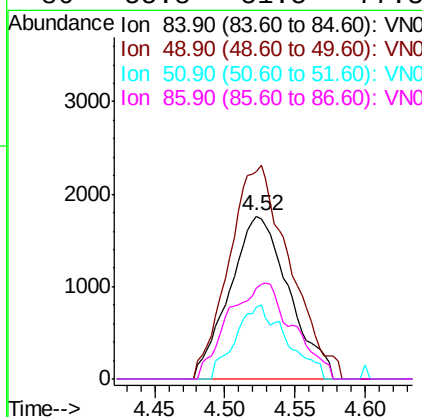
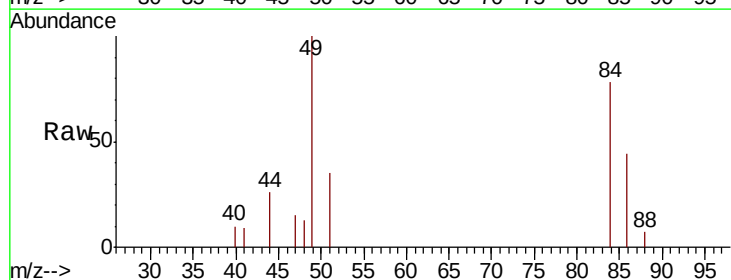
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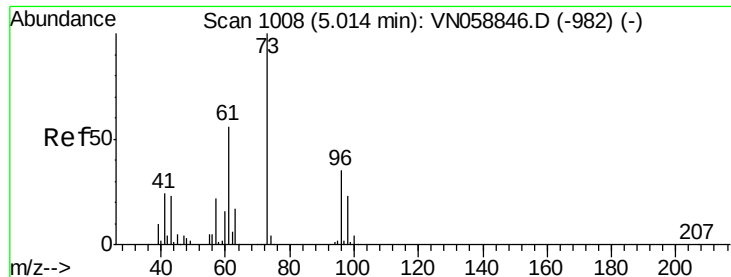
MMDadoda
10/21/2019 10:43:43 AM



#20
Methylene Chloride
Concen: 1.188 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 84 Resp: 5164
Ion Ratio Lower Upper
84 100
49 127.7 109.6 164.4
51 44.2 33.8 50.6
86 55.8 51.5 77.3





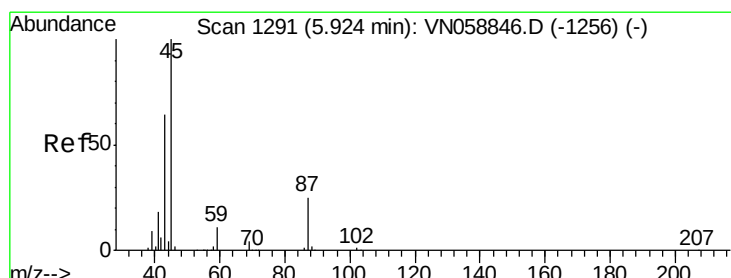
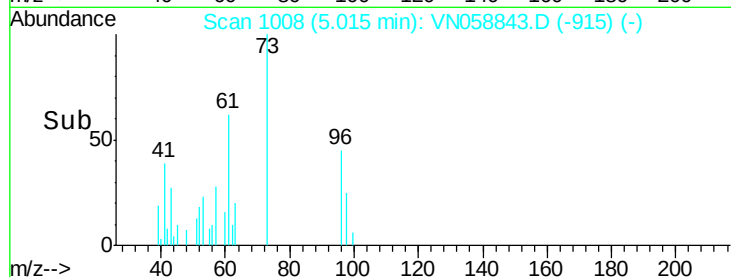
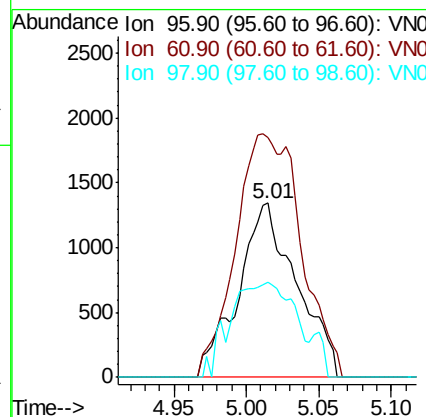
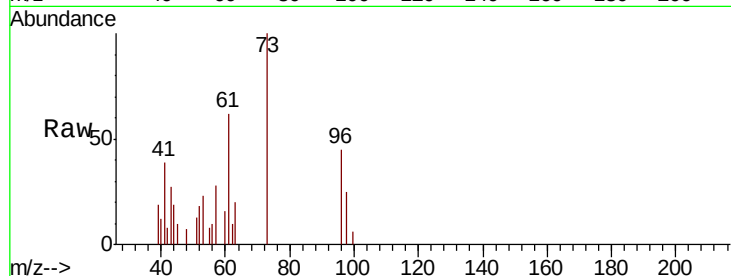
#21
trans-1,2-Dichloroethene
Concen: 0.977 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	126.7	190.1
98	54.7	52.0	78.0

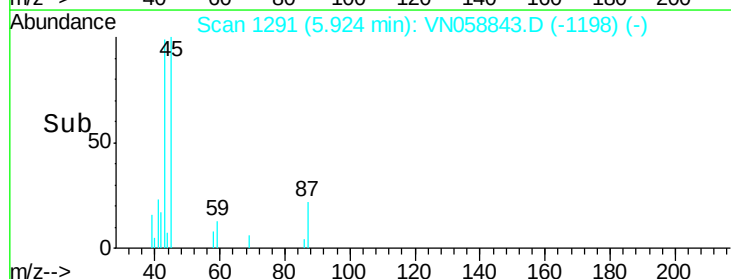
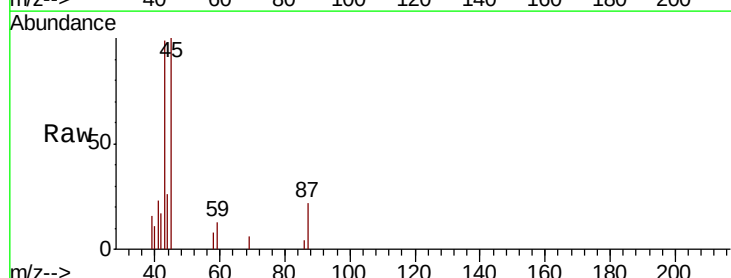
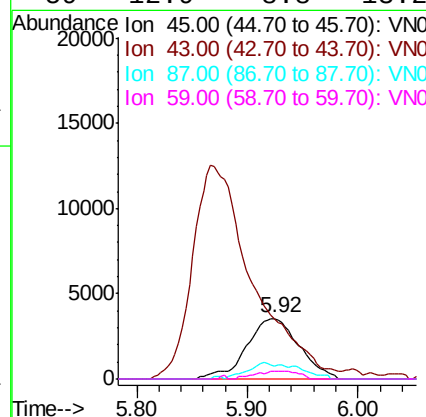
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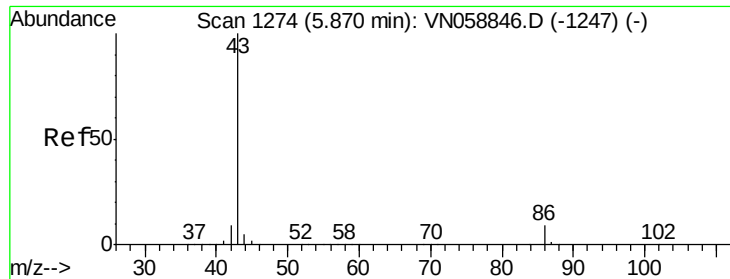
MMDadoda
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#22
Diisopropyl ether
Concen: 0.864 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	86.4	52.9	79.3#
87	21.5	20.2	30.4
59	12.9	8.8	13.2





#23

Vinyl Acetate

Concen: 4.351 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 47802

Ion Ratio Lower Upper

43 100

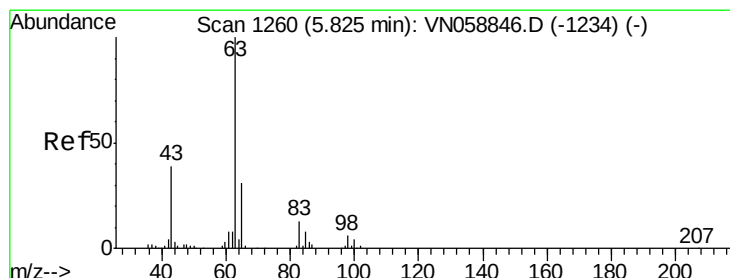
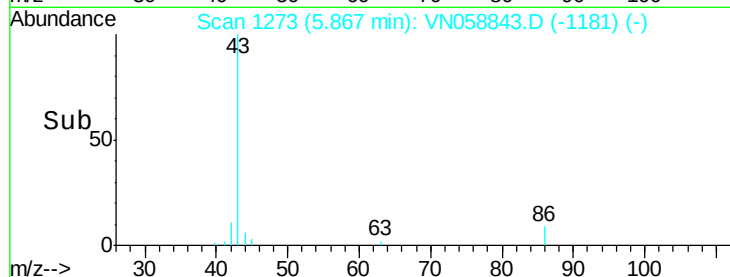
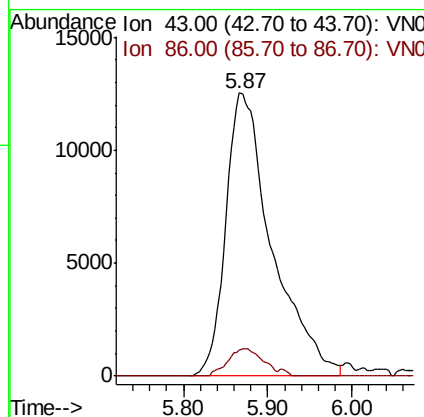
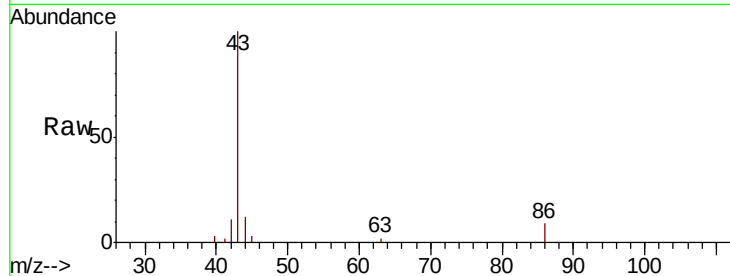
86 9.2 7.2 10.8

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#24

1,1-Dichloroethane

Concen: 1.112 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

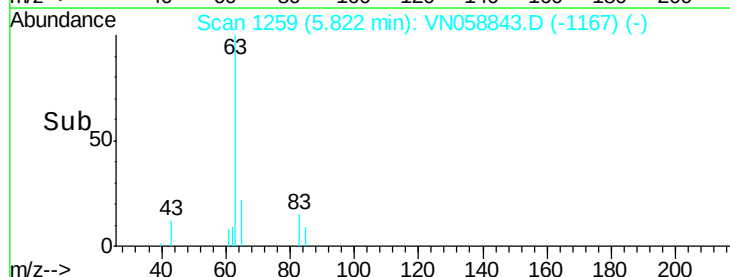
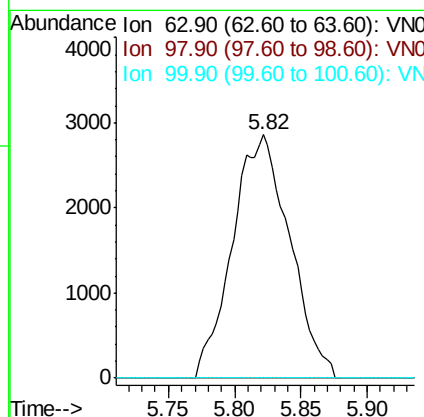
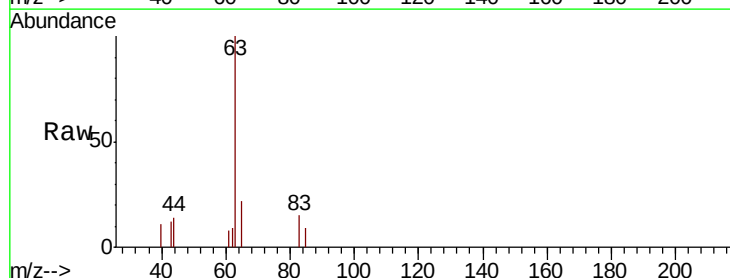
Tgt Ion: 63 Resp: 8582

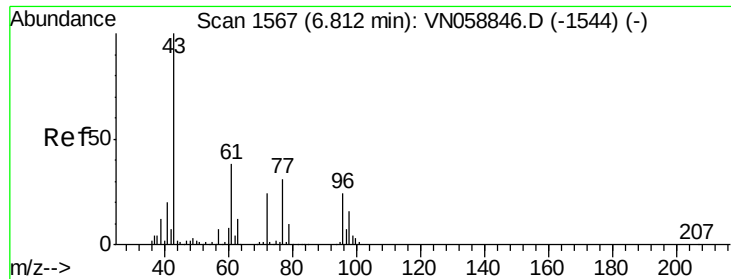
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.9 5.7#





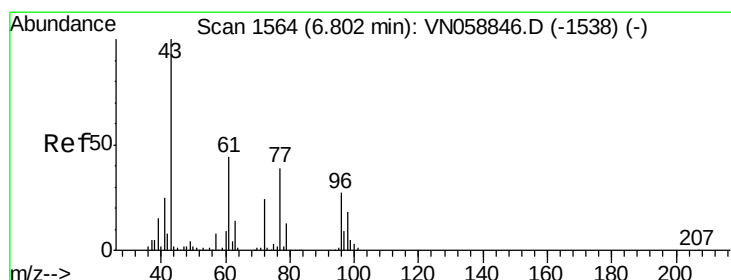
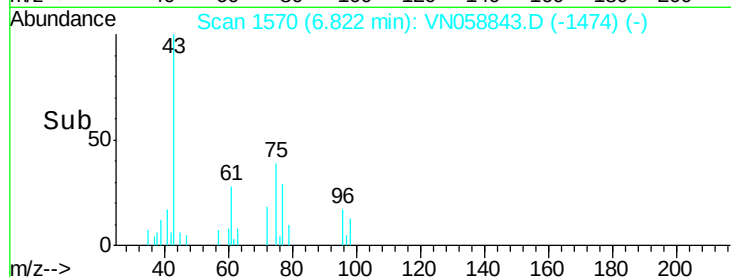
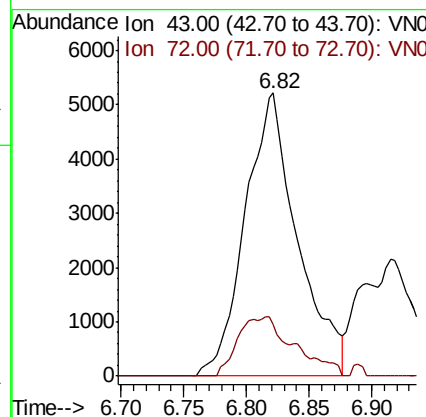
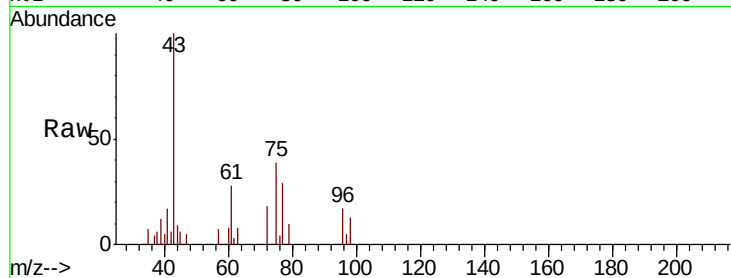
#25
 2-Butanone
 Concen: 4.919 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 43 Resp: 15140
 Ion Ratio Lower Upper
 43 100
 72 18.3 19.1 28.7#

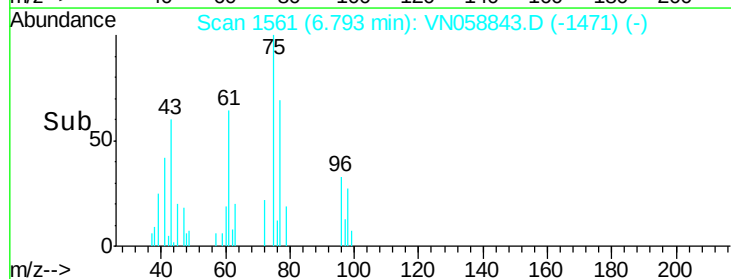
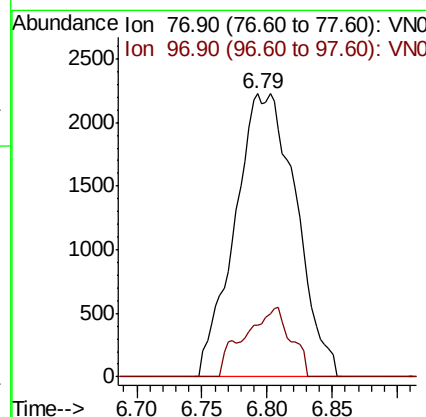
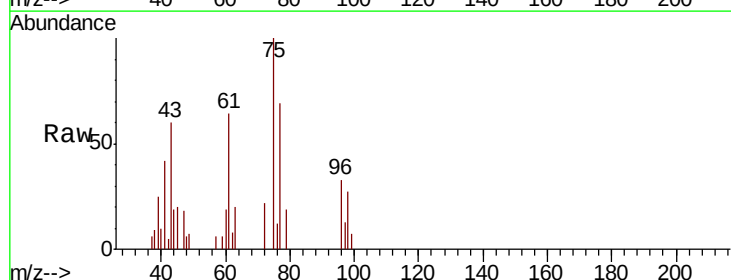
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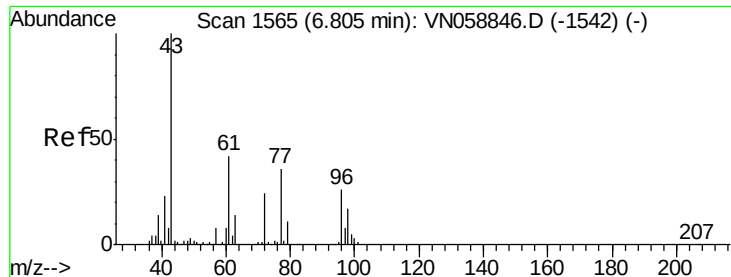
MMDadoda
 10/21/2019 10:43:43 AM



#26
 2,2-Dichloropropane
 Concen: 1.033 ug/l m
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 77 Resp: 7268
 Ion Ratio Lower Upper
 77 100
 97 15.1 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 0.952 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

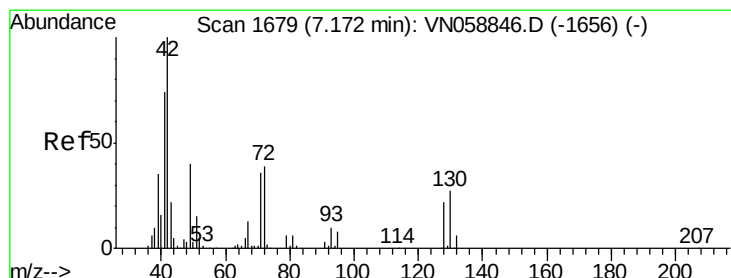
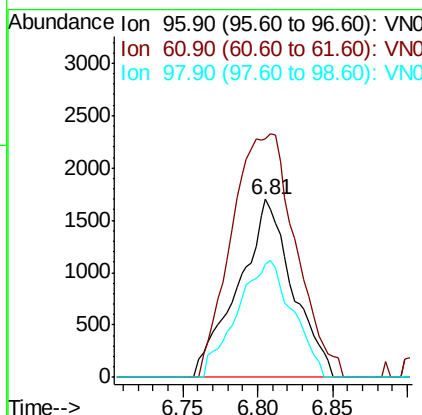
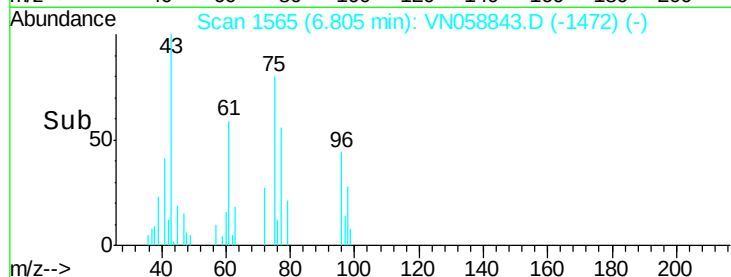
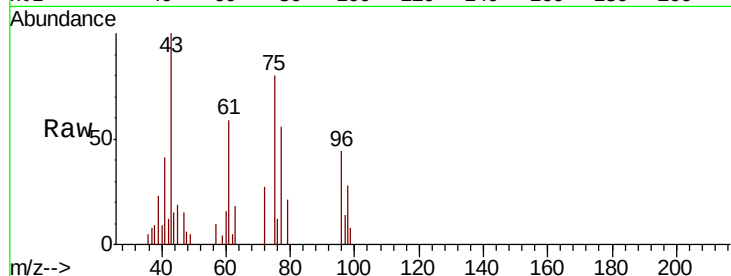
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	4287
Ion	Ratio	Lower	Upper
96	100		
61	161.5	0.0	325.0
98	66.9	0.0	128.0

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#28

Bromochloromethane

Concen: 1.044 ug/l

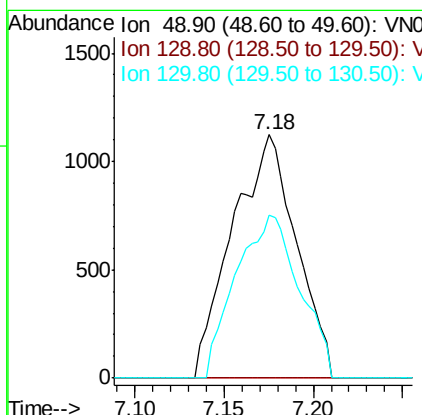
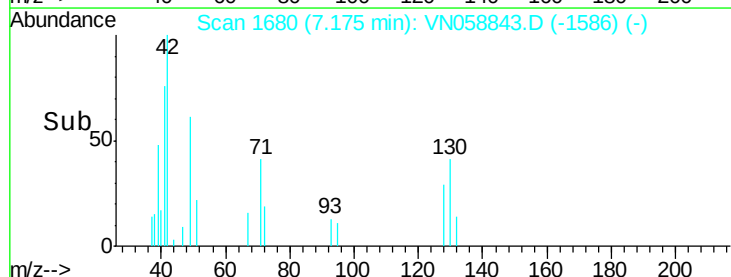
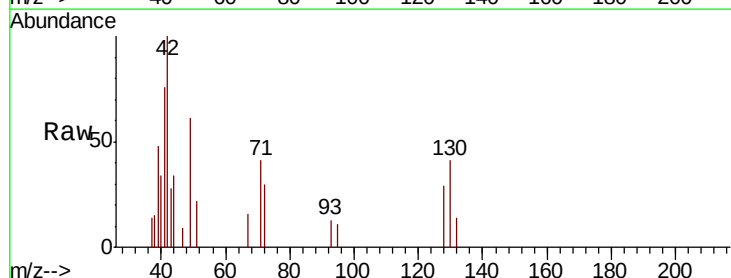
RT: 7.18 min Scan# 1680

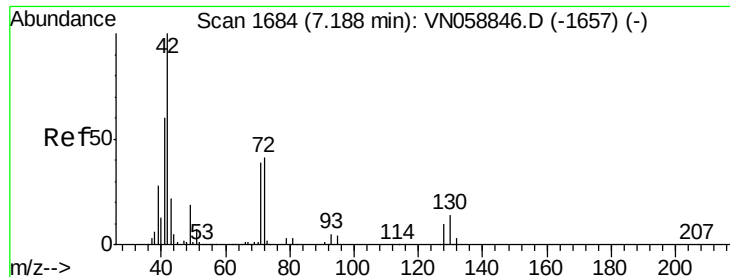
Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion:	49	Resp:	2798
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.8	53.5	80.3





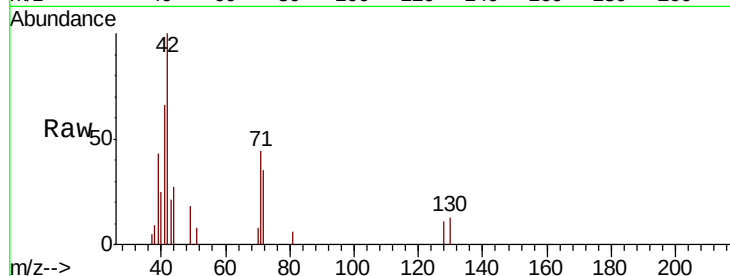
#29
Tetrahydrofuran
Concen: 4.521 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

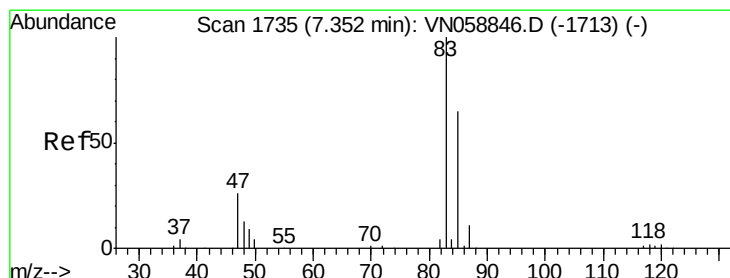
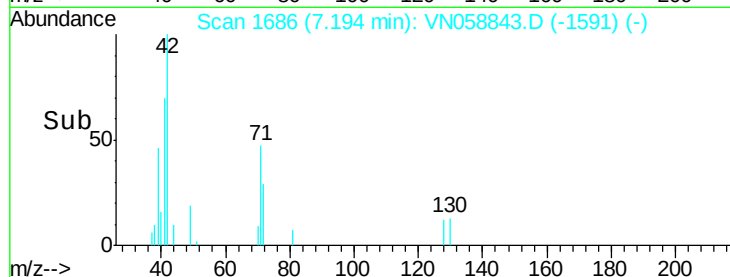
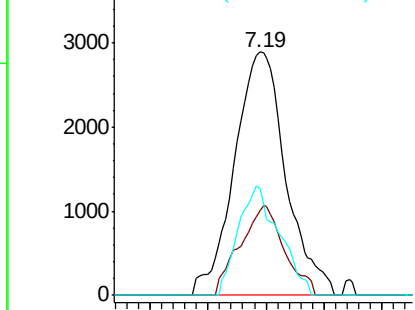
Tot Ion	Ratio	Lower	Upper
42	100		
72	31.9	32.2	48.2#
71	35.8	30.6	45.8

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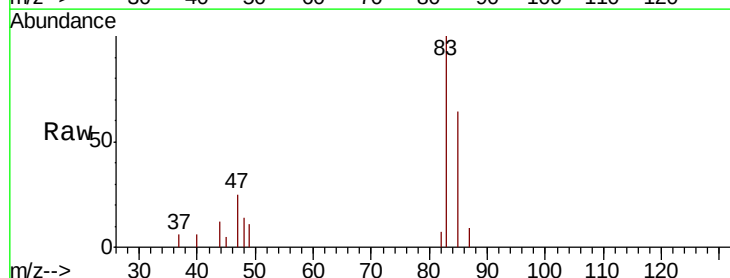


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

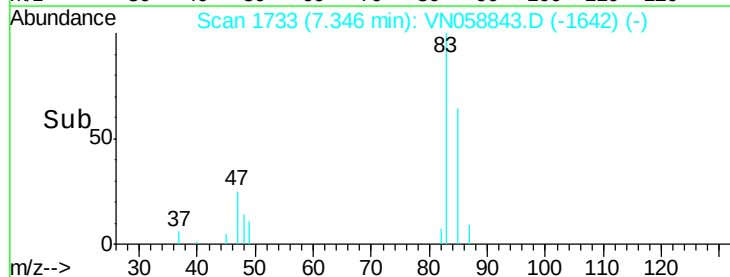
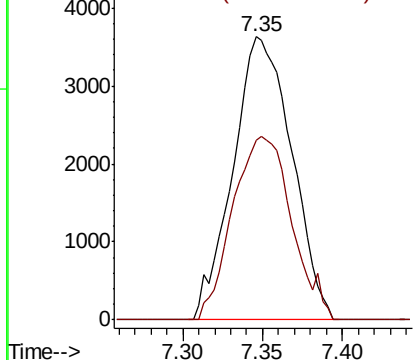


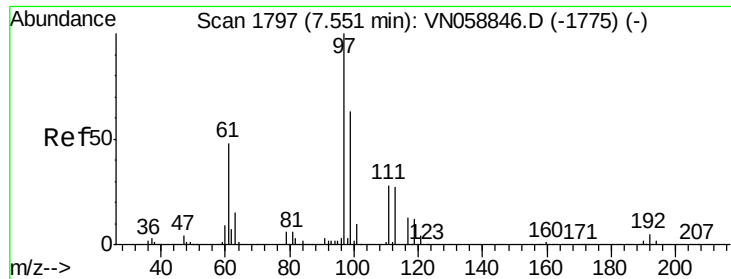
#30
Chloroform
Concen: 1.177 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.01 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.9	77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#32

1,1,1-Trichloroethane

Concen: 1.009 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

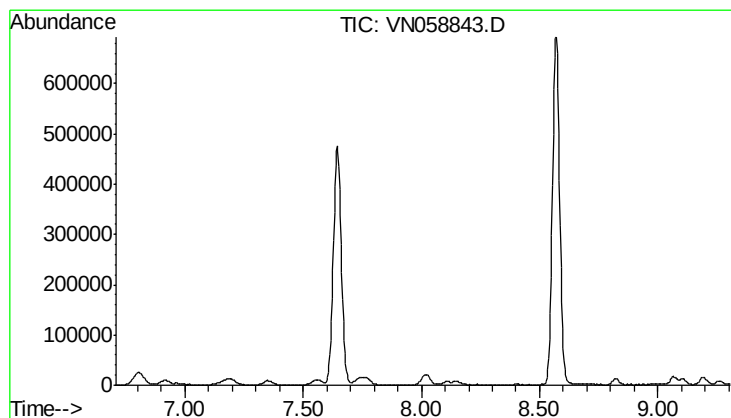
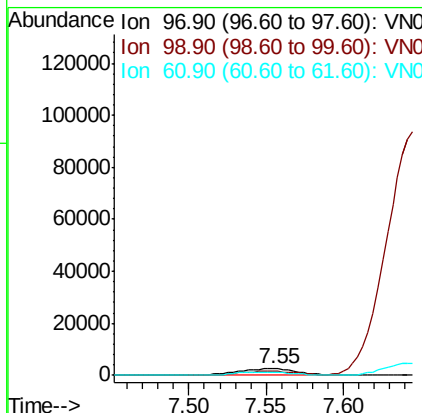
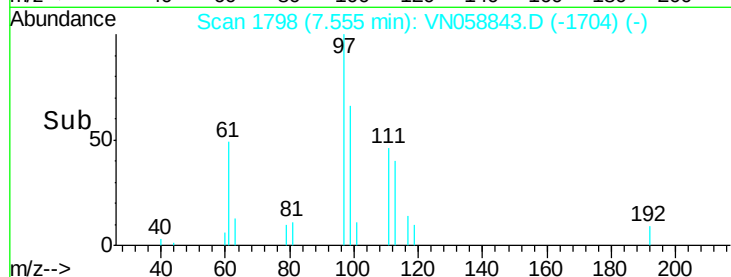
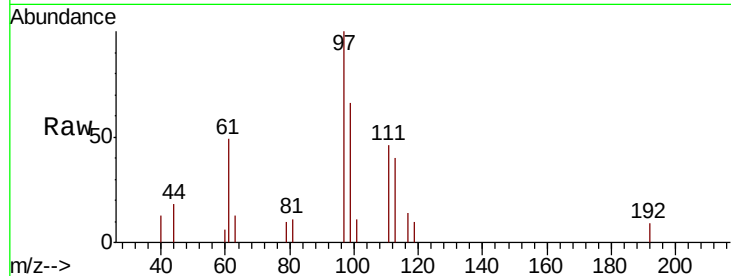
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.0	76.4#	
61	50.5	38.6	58.0	

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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.01 min

Lab File: VN058843.D

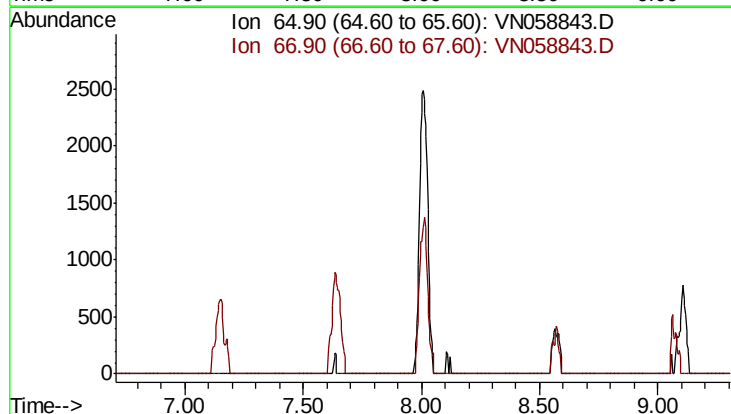
Acq: 18 Oct 2019 8:53

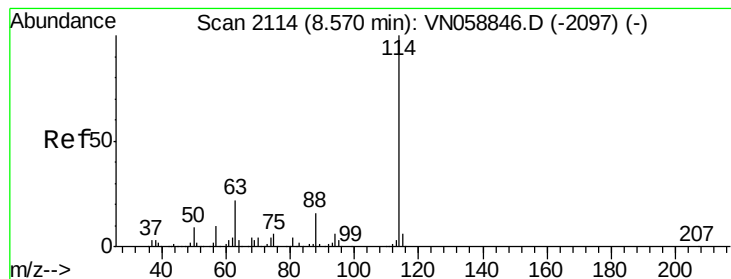
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

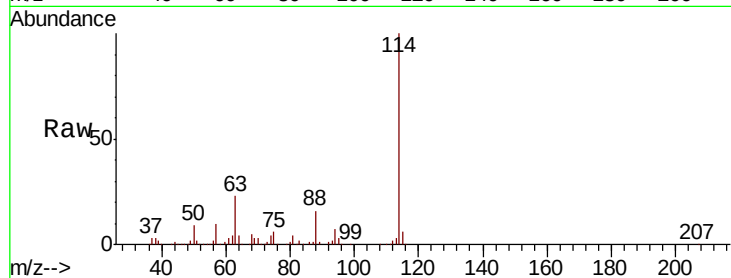
ClientSampleId :

VSTDIC001

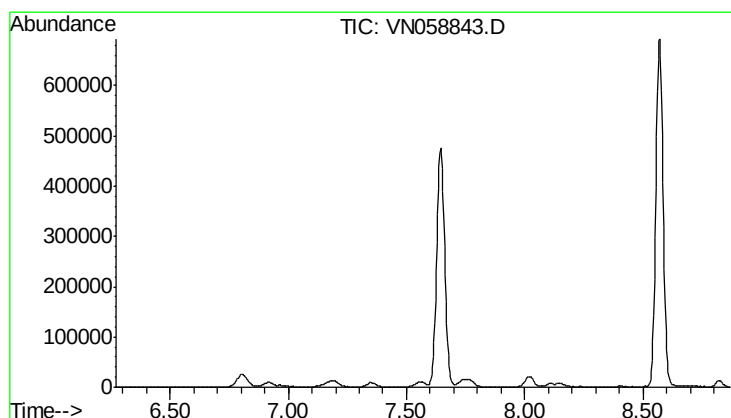
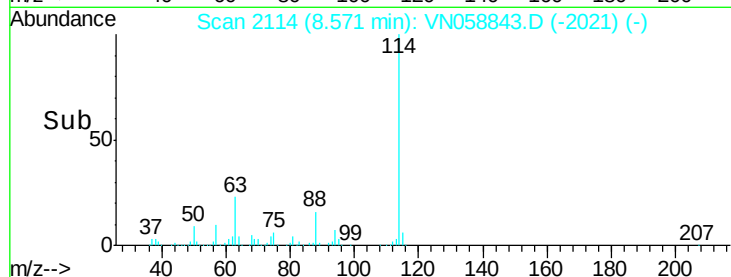
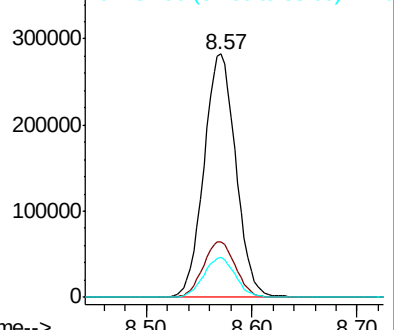
Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.8	0.0	44.4
88	16.3	0.0	31.4

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Abundance Ion 113.90 (113.60 to 114.60): VN058843.D



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.57 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

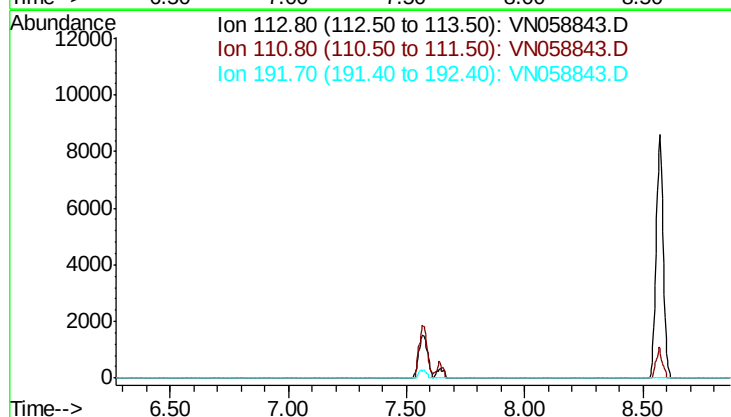
Tgt Ion: 113

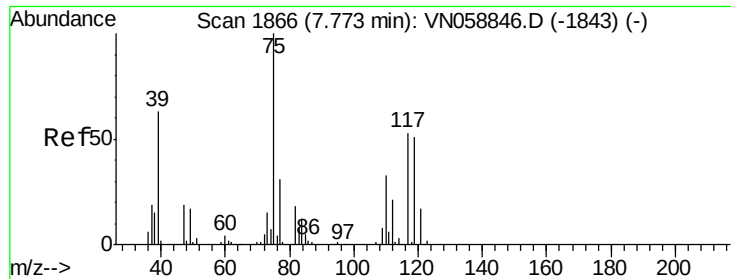
Sig Exp Ratio

113 100

111 102.5

192 18.8





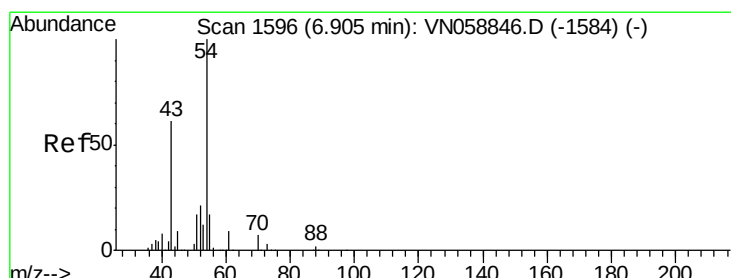
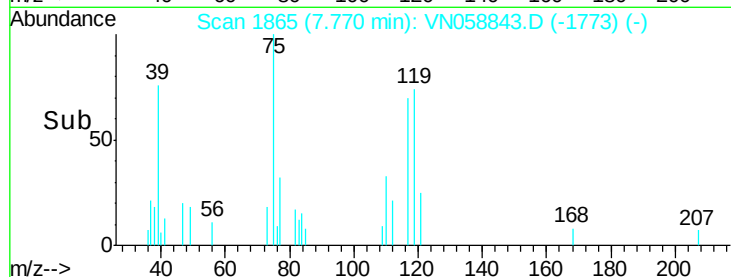
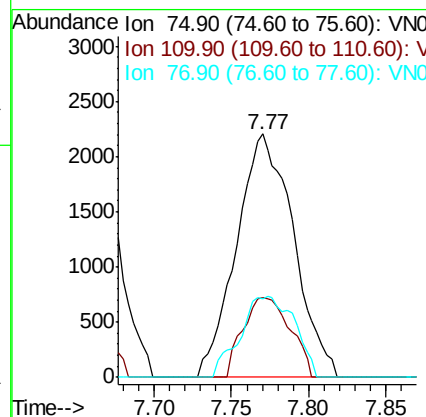
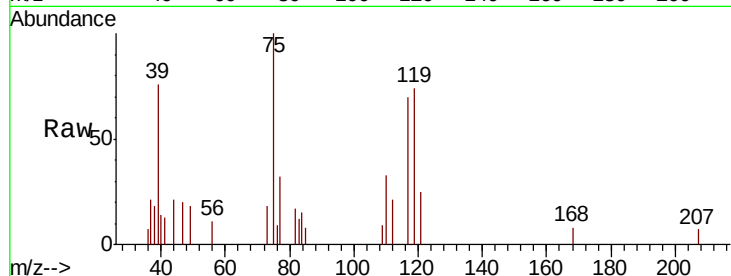
#36
 1,1-Dichloropropene
 Concen: 0.934 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	27.1	16.3	48.9
77	31.8	24.6	36.8

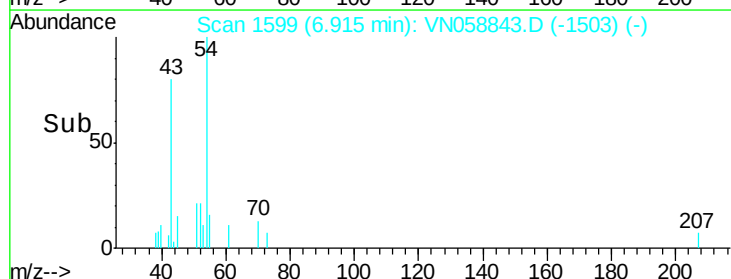
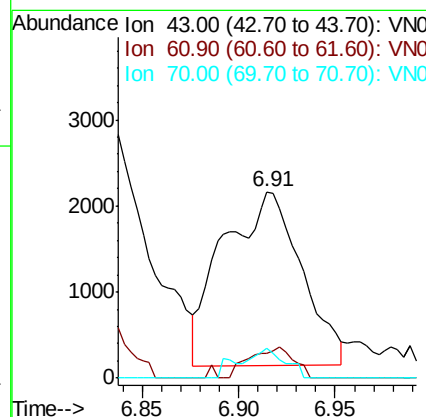
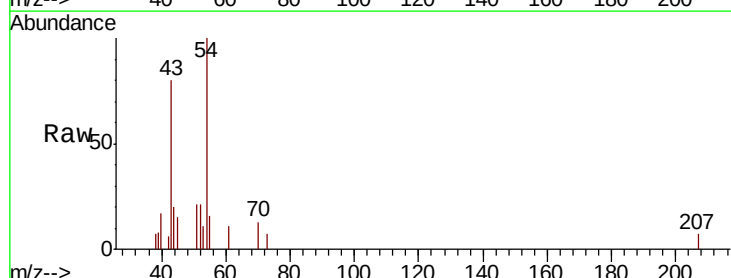
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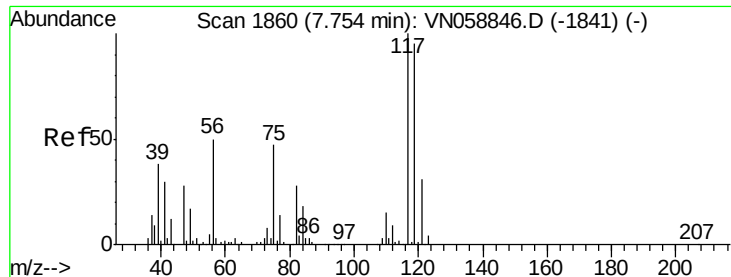
MMDadoda
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#37
 Ethyl Acetate
 Concen: 0.922 ug/l m
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.5	15.7#
70	2.0	7.6	11.4#





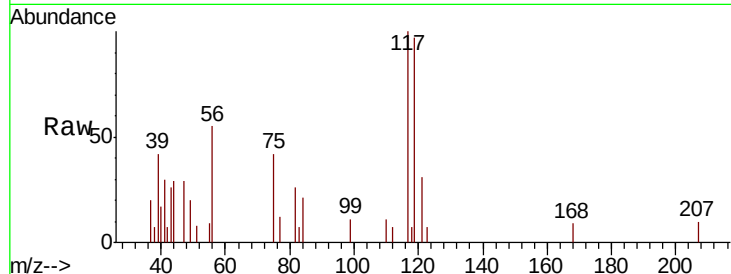
#38
Carbon Tetrachloride
Concen: 1.052 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.7	113.5
121	30.9	25.0	37.6

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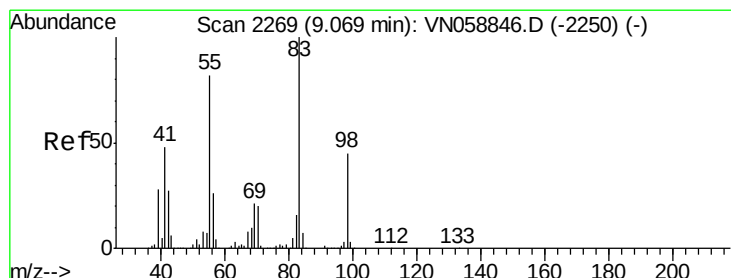
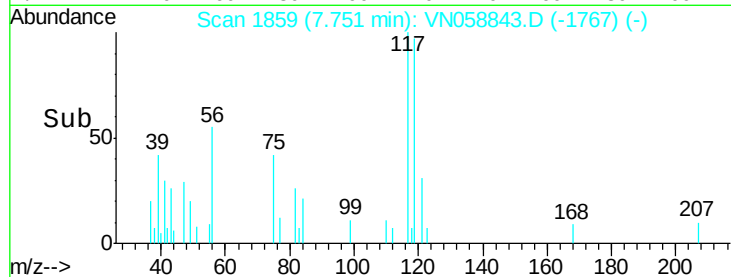
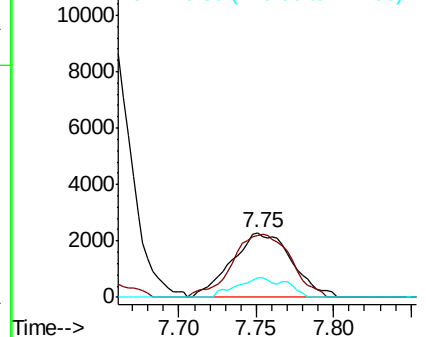


Abundance

Ion 116.80 (116.50 to 117.50): V

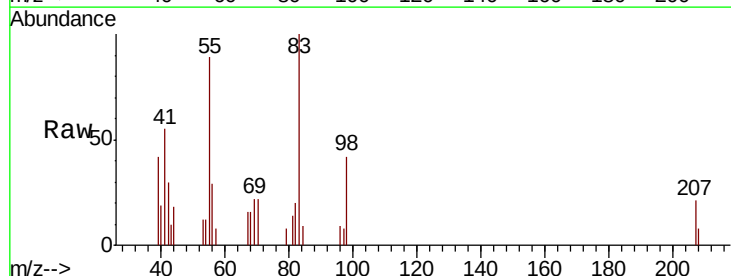
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39
Methylcyclohexane
Concen: 0.809 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.7	65.5	98.3
98	41.7	35.7	53.5

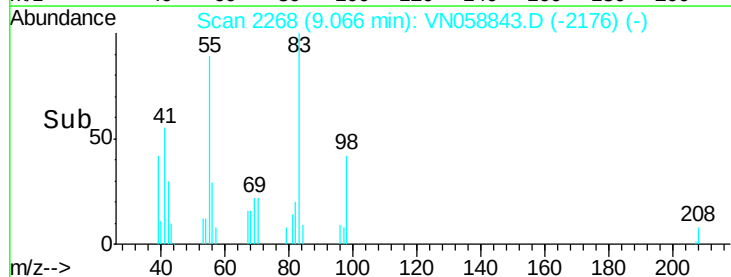
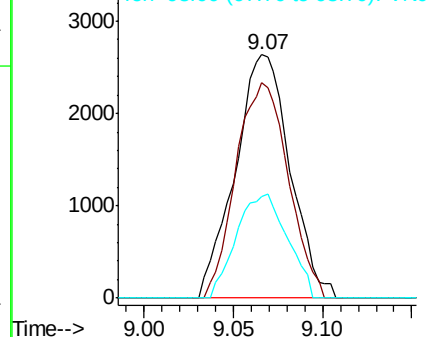


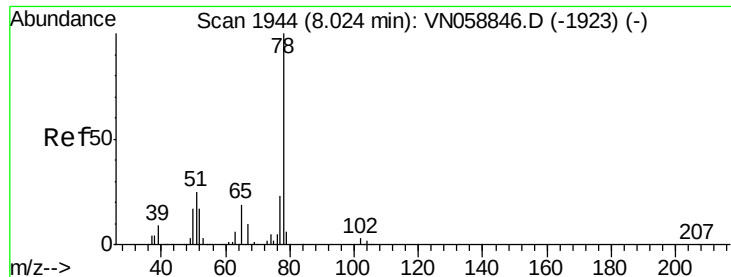
Abundance

Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.972 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 16886

Ion Ratio Lower Upper

78 100

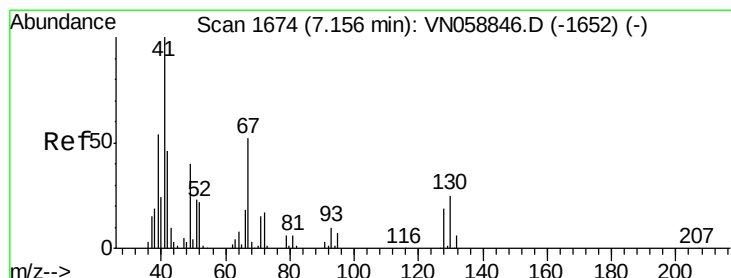
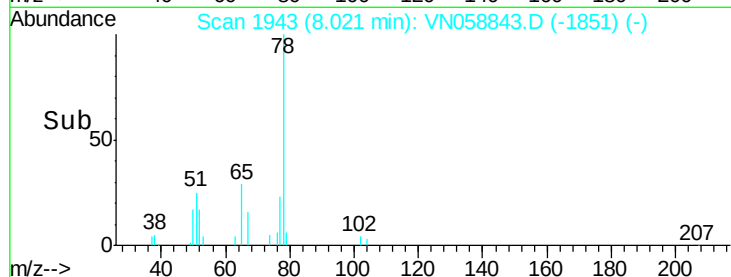
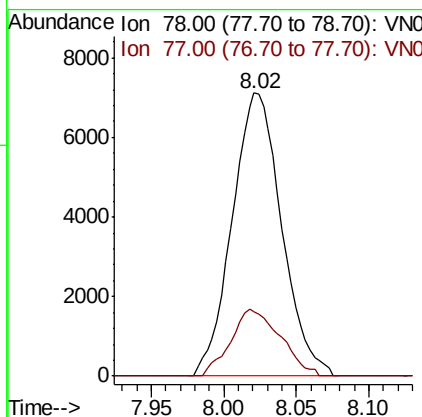
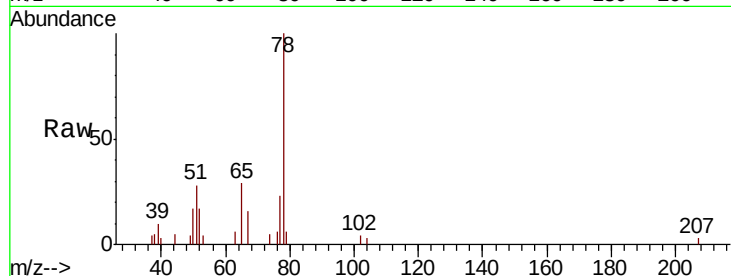
77 22.8 18.2 27.2

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#41

Methacrylonitrile

Concen: 1.105 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion: 41 Resp: 3096

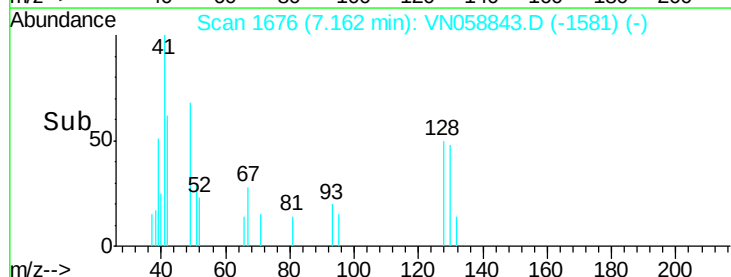
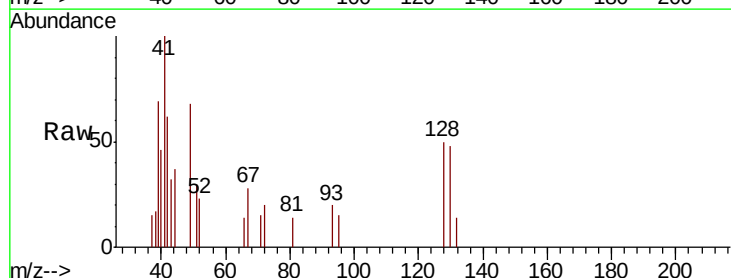
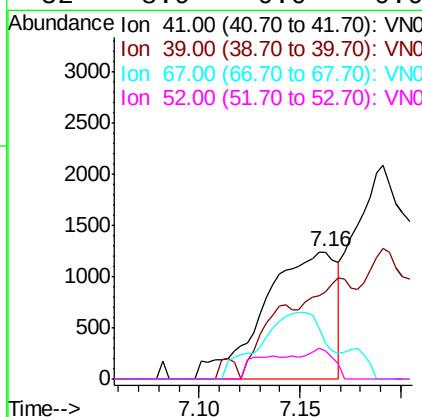
Ion Ratio Lower Upper

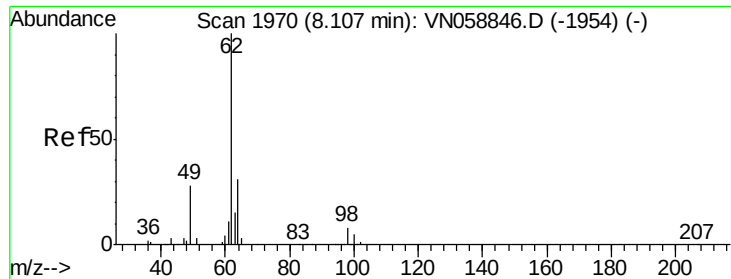
41 100

39 0.0 0.0 0.0

67 46.4 0.0 0.0#

52 8.9 0.0 0.0#





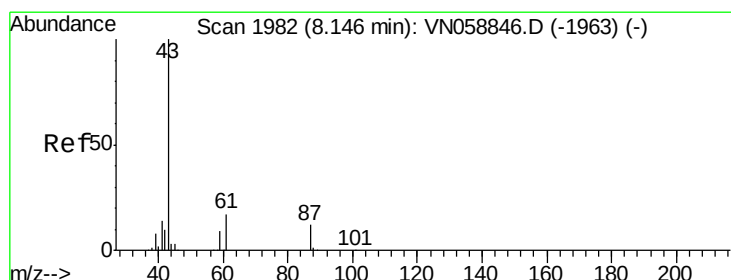
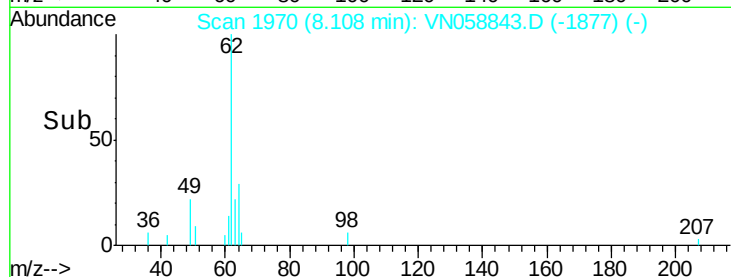
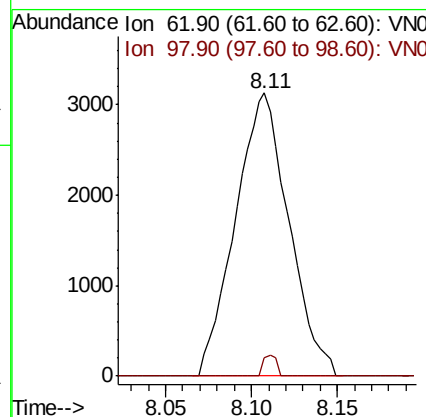
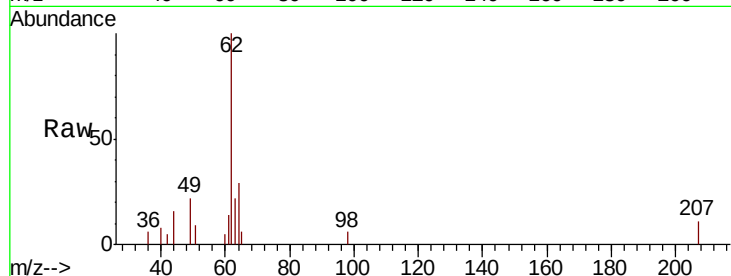
#42
 1,2-Dichloroethane
 Concen: 1.018 ug/l
 RT: 8.11 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	6788		
98	1.8		0.0	16.2

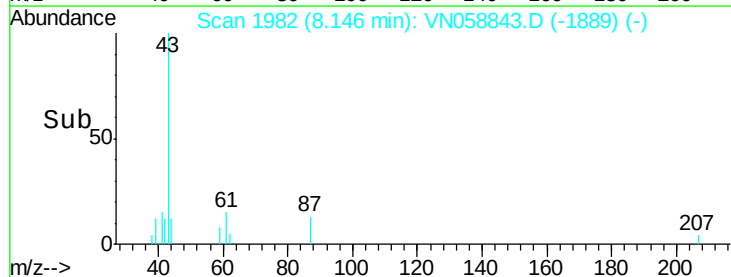
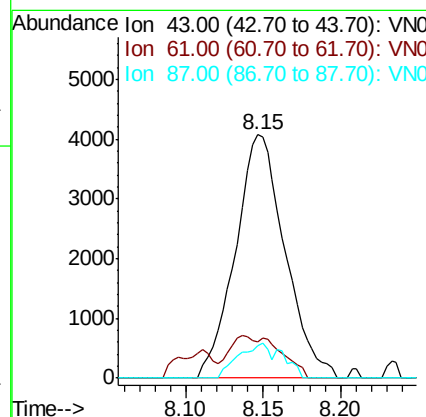
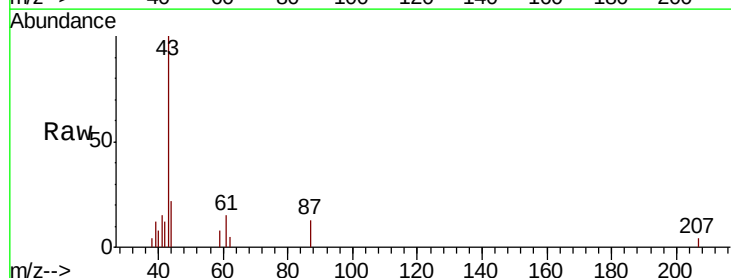
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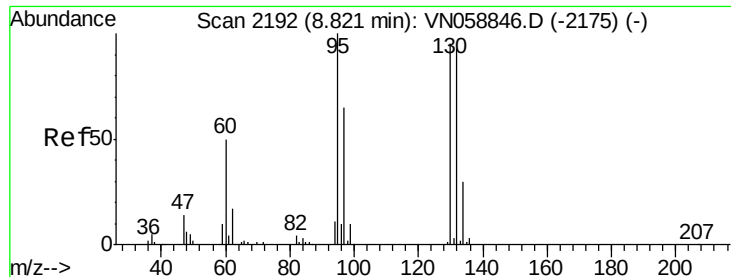
MMDadoda
 10/21/2019 10:43:43 AM



#43
 Isopropyl Acetate
 Concen: 0.869 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	9072		
61	5.6		20.2	30.2#
87	9.0		9.5	14.3#





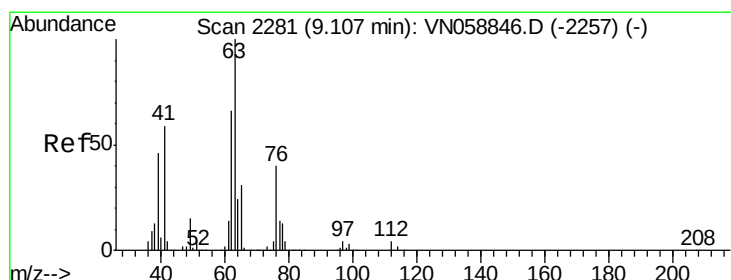
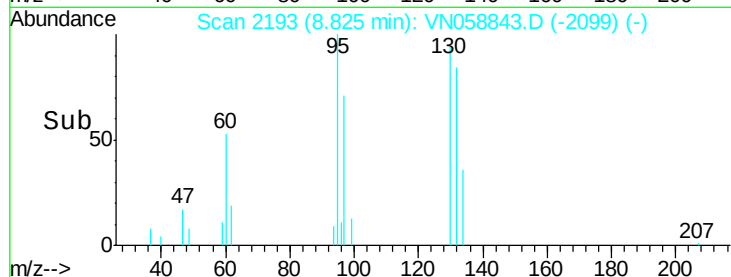
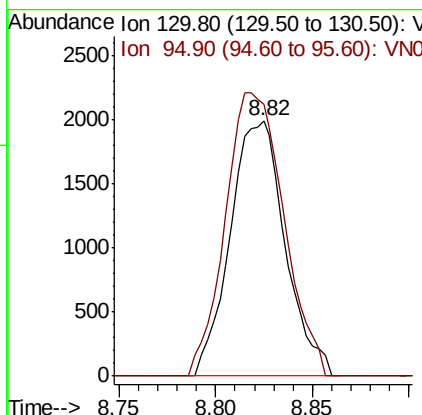
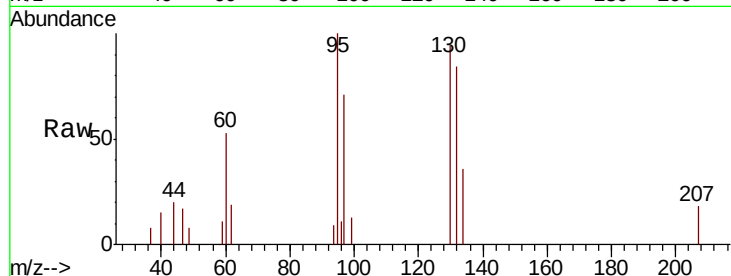
#44
 Trichloroethene
 Concen: 0.919 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 3945
 Ion Ratio Lower Upper
 130 100
 95 106.4 0.0 209.6

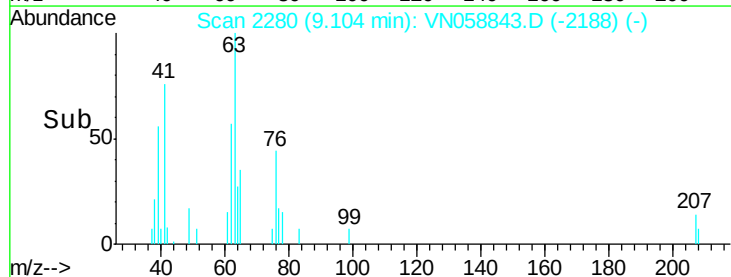
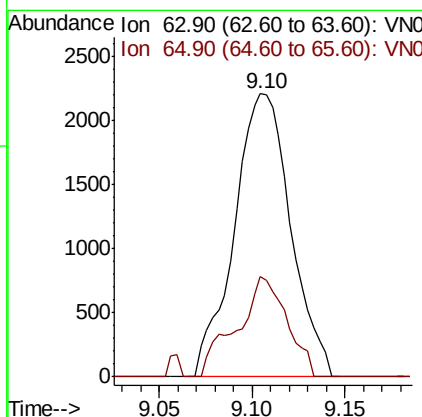
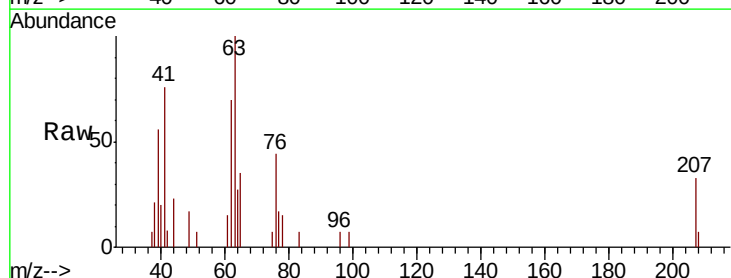
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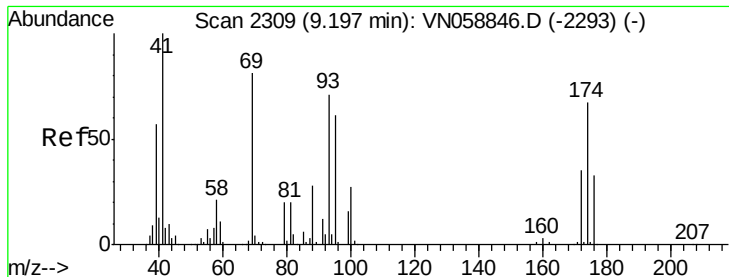
MMDadoda
 10/21/2019 10:43:43 AM



#45
 1,2-Dichloropropane
 Concen: 1.007 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion: 63 Resp: 4689
 Ion Ratio Lower Upper
 63 100
 65 35.2 24.5 36.7





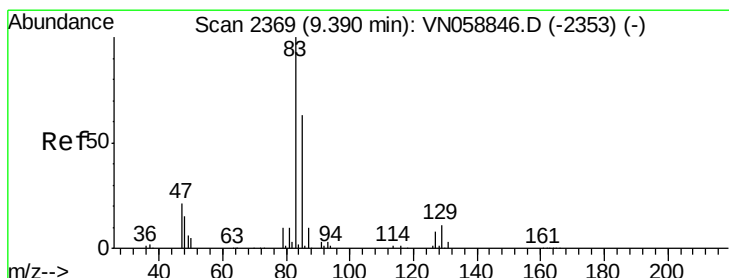
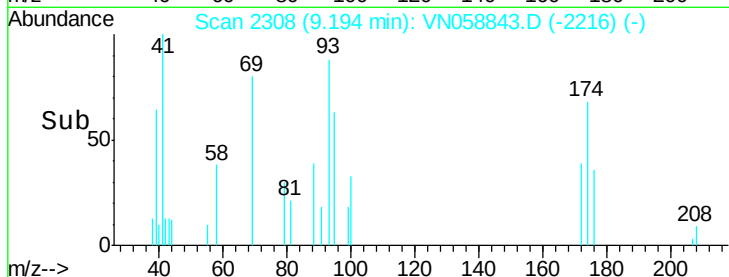
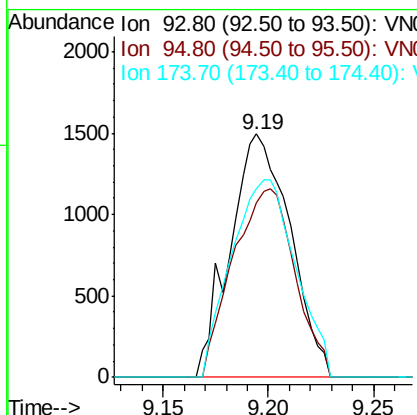
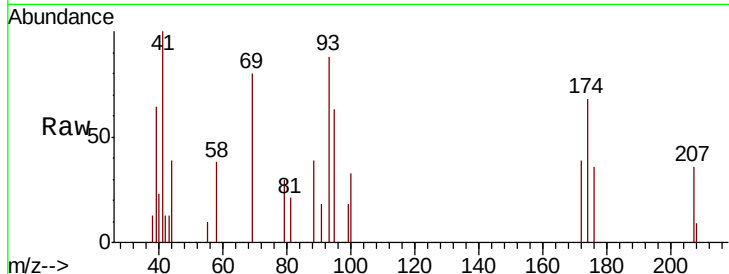
#46
Dibromomethane
Concen: 1.003 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 2952
Ion Ratio Lower Upper
93 100
95 80.0 67.6 101.4
174 87.1 74.1 111.1

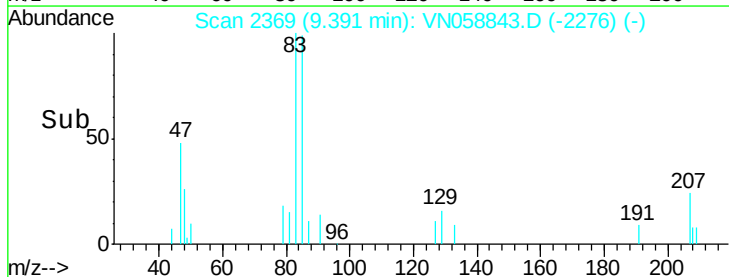
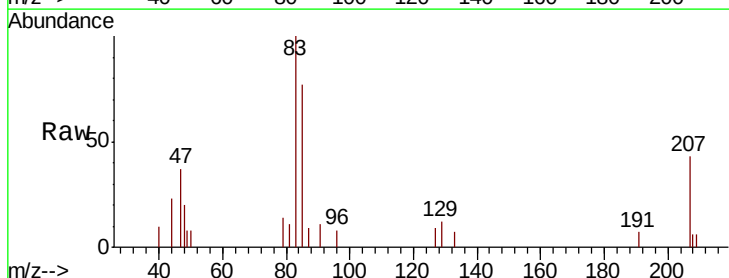
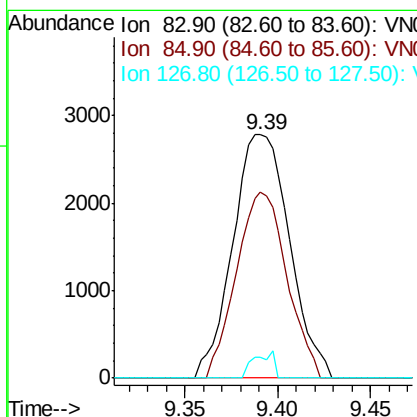
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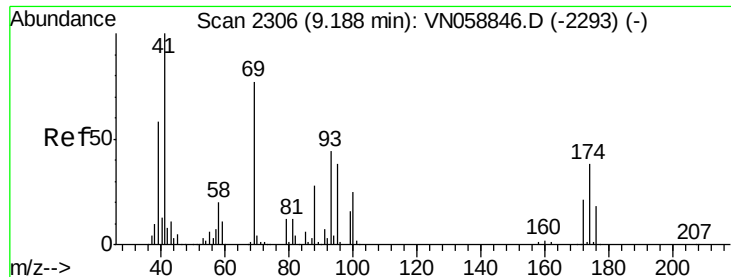
MMDadoda
10/21/2019 10:43:43 AM



#47
Bromodichloromethane
Concen: 0.989 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 83 Resp: 5939
Ion Ratio Lower Upper
83 100
85 76.5 50.6 75.8#
127 8.8 6.5 9.7





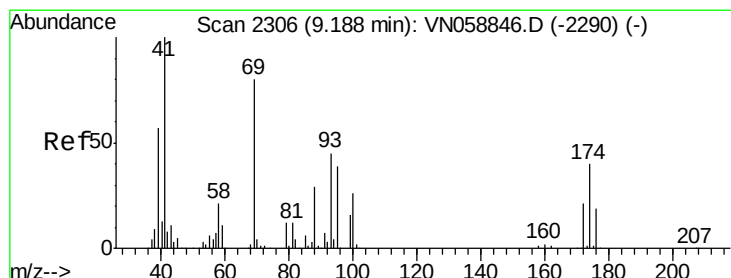
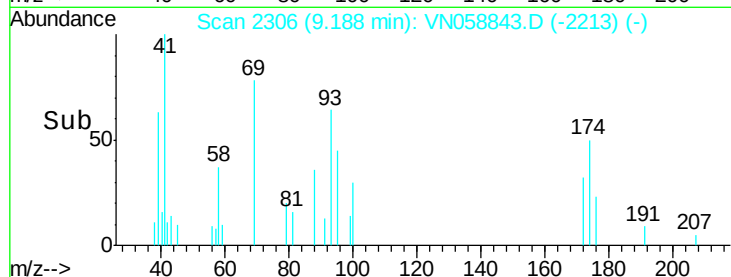
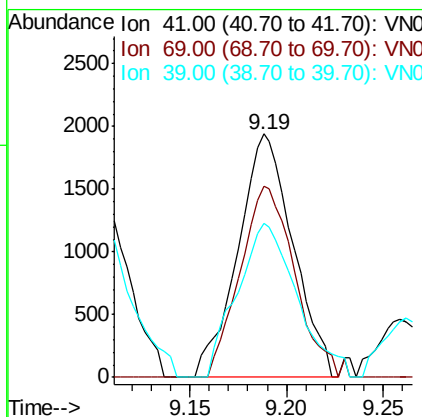
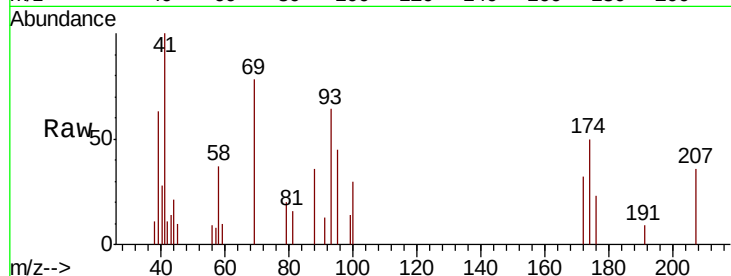
#48
Methvl methacrylate
Concen: 0.809 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.8	95.6
39	69.1	47.8	71.8

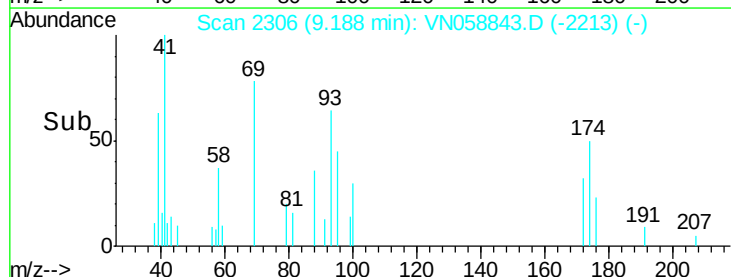
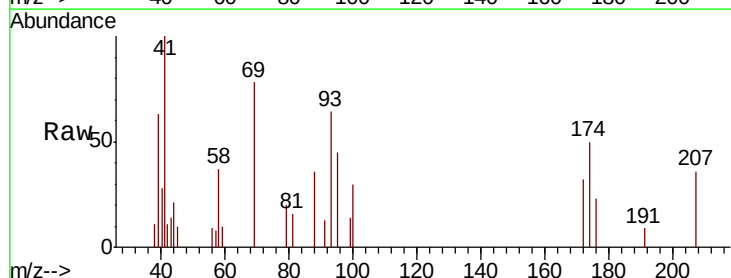
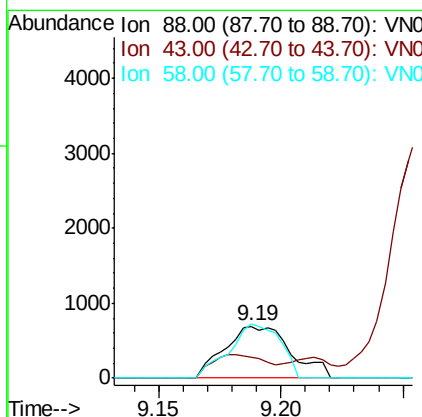
Manual Integrations
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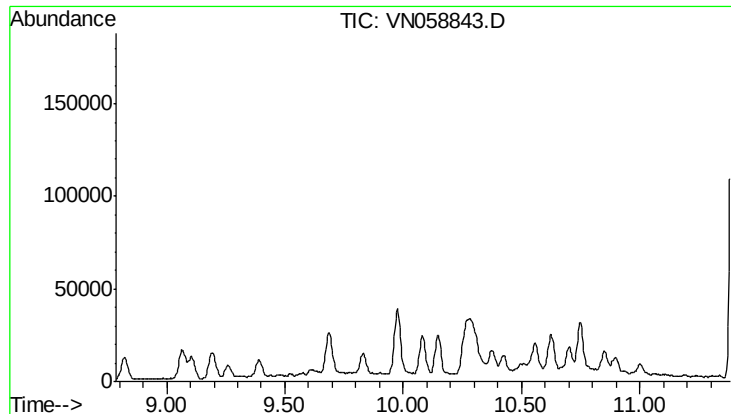
MMDadoda
10/21/2019 10:43:43 AM



#49
1,4-Dioxane
Concen: 17.478 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.6	29.1	43.7
58	81.2	59.4	89.0





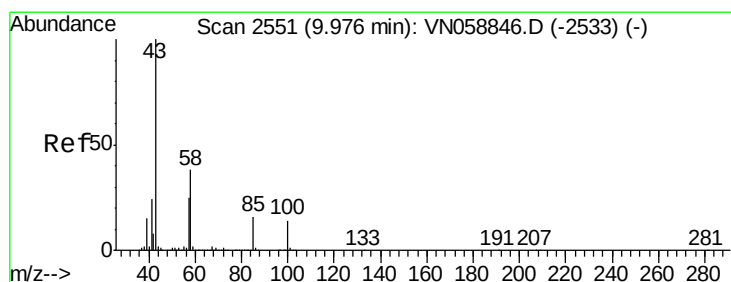
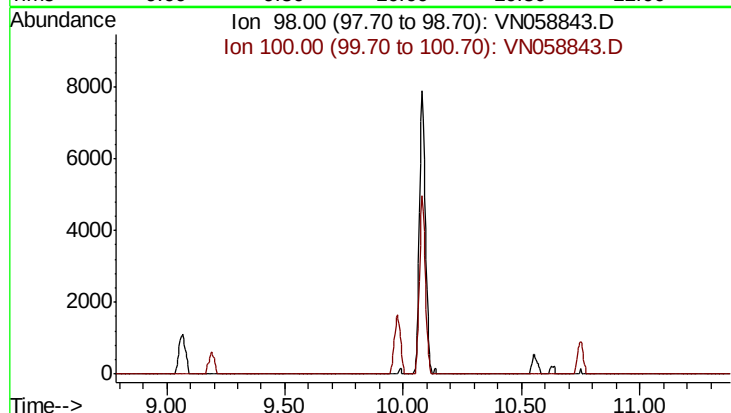
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.3

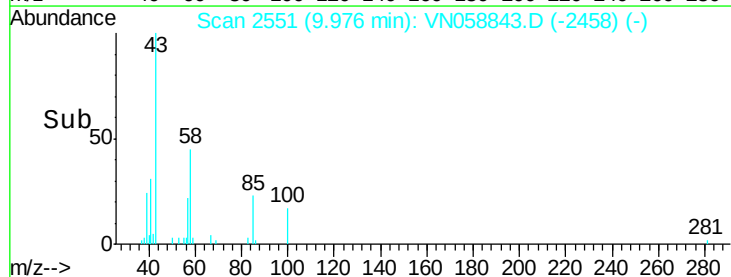
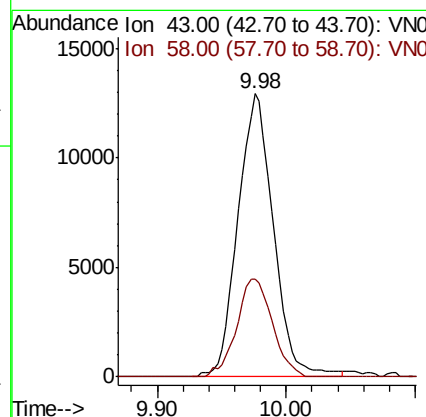
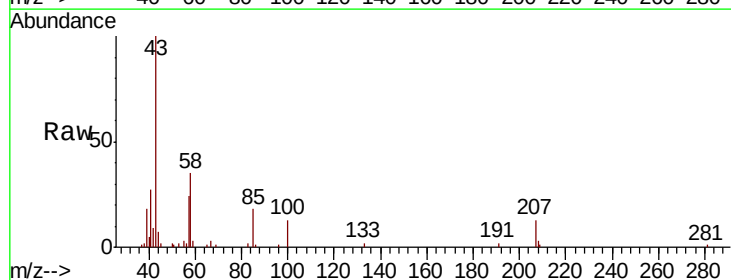
Manual Integrations
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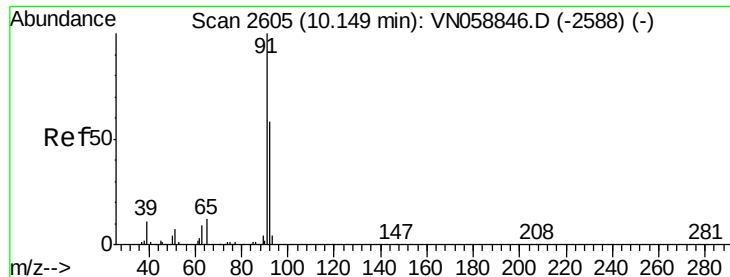
MMDadoda
10/21/2019 10:43:43 AM



#51
4-Methyl-2-Pentanone
Concen: 4.195 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion: 43 Resp: 24749
Ion Ratio Lower Upper
43 100
58 34.7 29.9 44.9





#52

Toluene

Concen: 0.807 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 8558

Ion Ratio Lower Upper

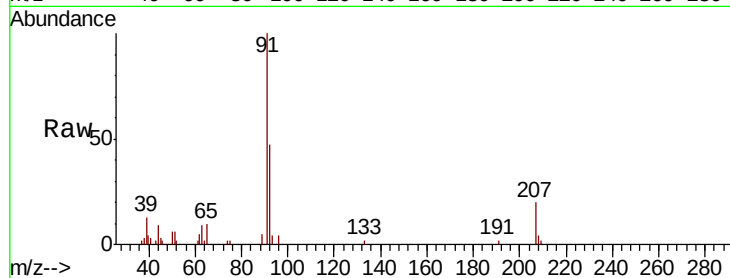
92 100

91 190.7 138.9 208.3

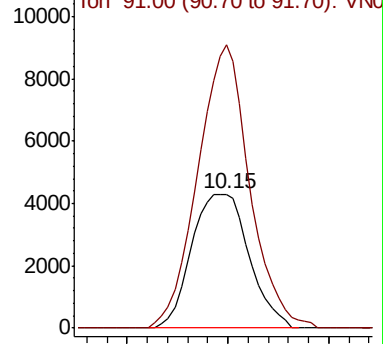
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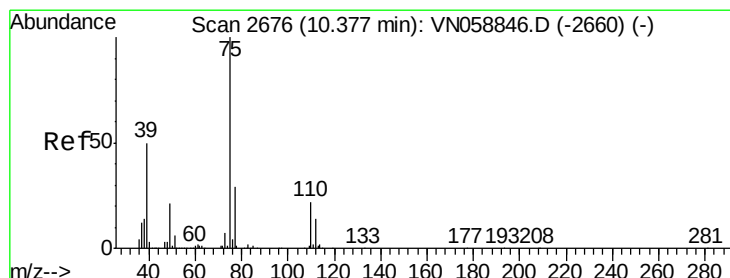
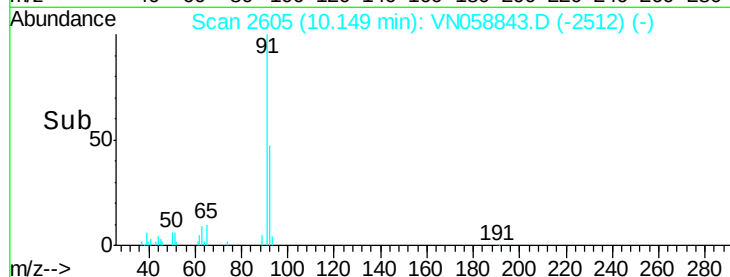
10/21/2019 10:43:43 AM



Abundance Ion 92.00 (91.70 to 92.70): VN058843.D (-2512) (-)



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.874 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058843.D

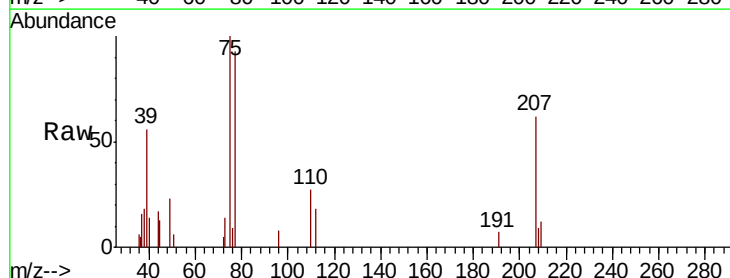
Acq: 18 Oct 2019 8:53

Tgt Ion: 75 Resp: 6016

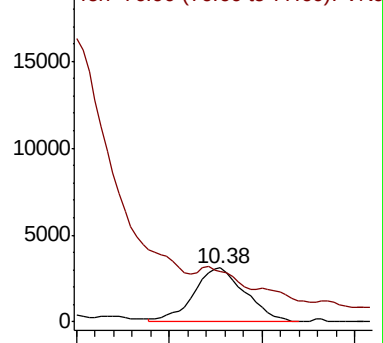
Ion Ratio Lower Upper

75 100

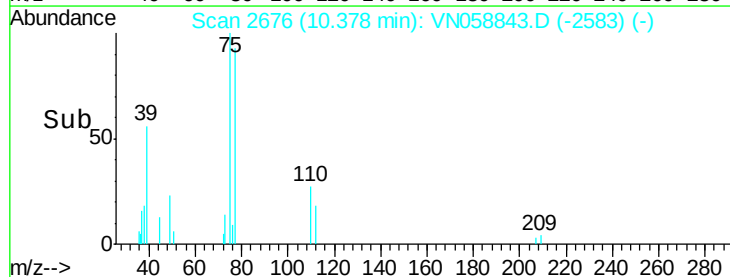
77 52.6 25.7 38.5#

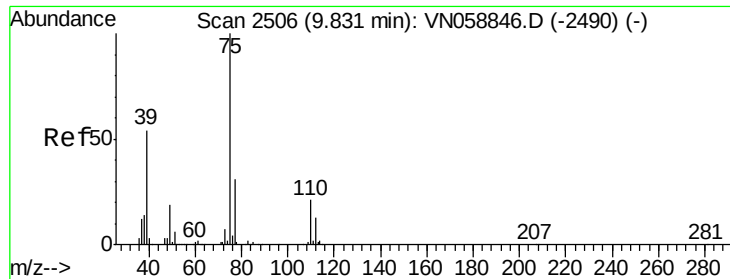


Abundance Ion 74.90 (74.60 to 75.60): VN058843.D (-2583) (-)



Time-->





#54

cis-1,3-Dichloropropene

Concen: 0.875 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

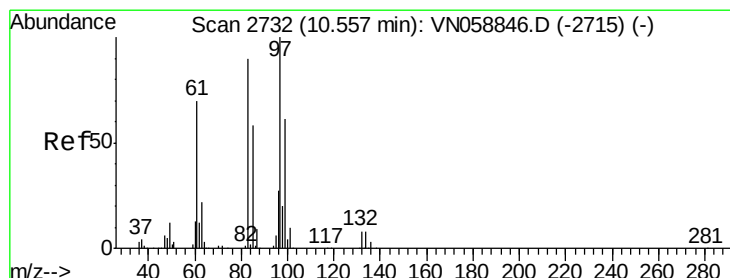
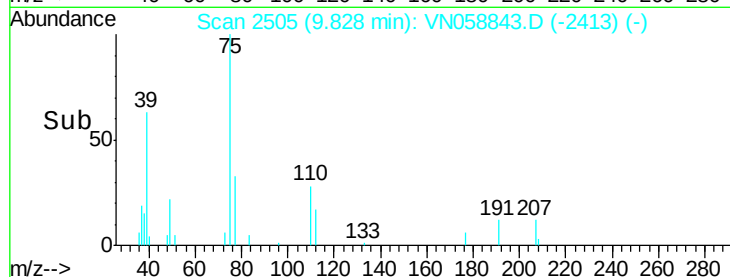
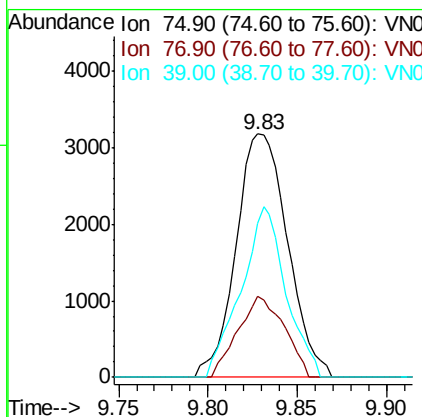
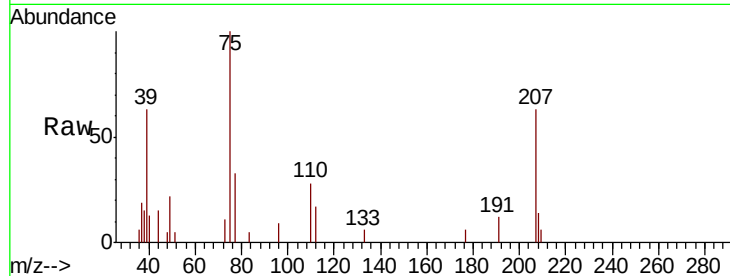
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	6408
Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.7	37.1
39	63.4	43.5	65.3

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#55

1,1,2-Trichloroethane

Concen: 0.954 ug/l

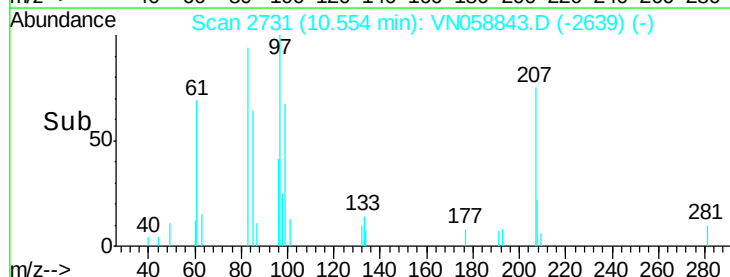
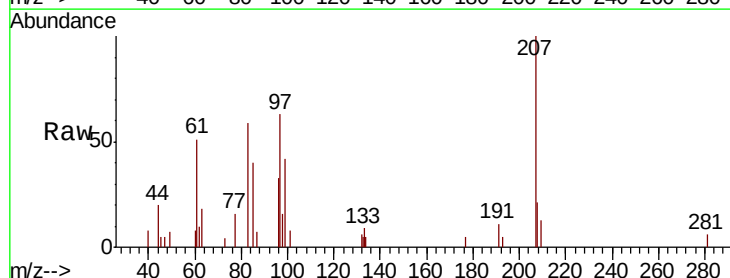
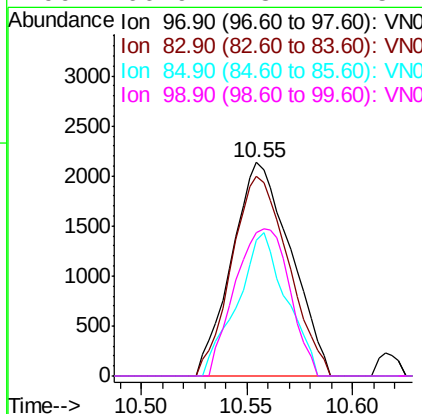
RT: 10.55 min Scan# 2731

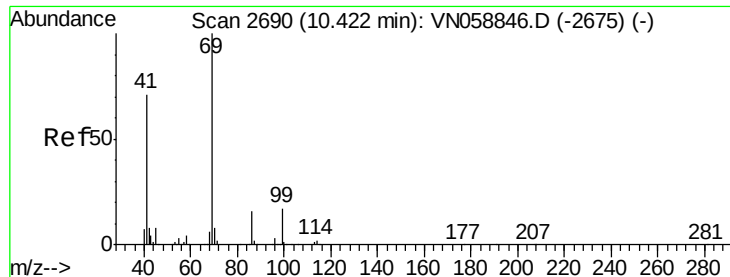
Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion:	97	Resp:	4145
Ion	Ratio	Lower	Upper
97	100		
83	93.7	72.2	108.4
85	63.6	46.2	69.2
99	66.9	48.7	73.1





#56

Ethyl methacrylate

Concen: 0.668 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

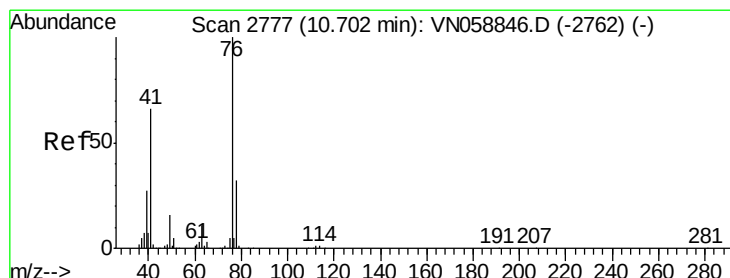
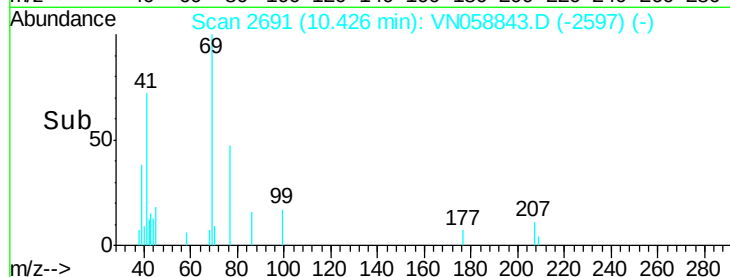
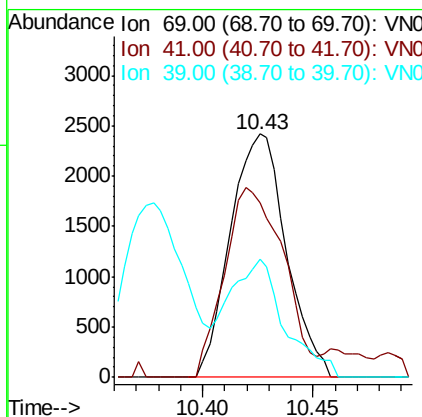
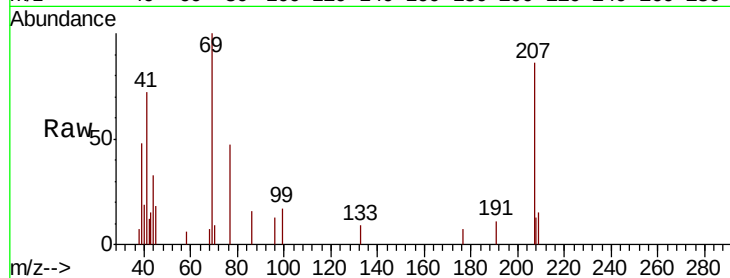
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4242
Ion	Ratio	Lower	Upper
69	100		
41	82.7	57.2	85.8
39	48.8	31.0	46.4#

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#57

1,3-Dichloropropane

Concen: 0.943 ug/l

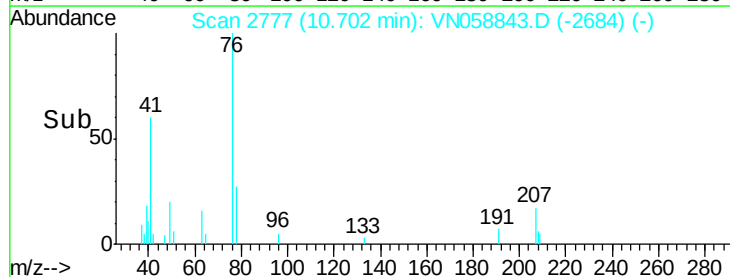
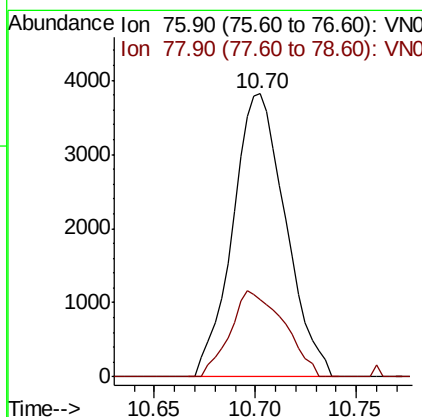
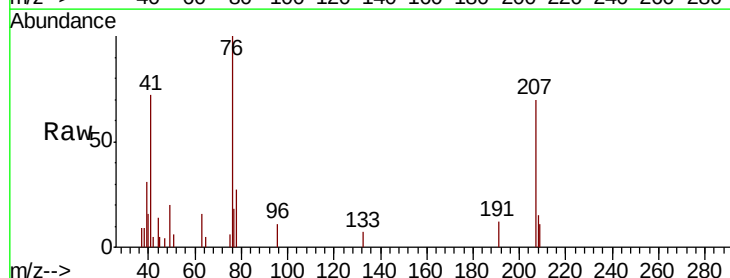
RT: 10.70 min Scan# 2777

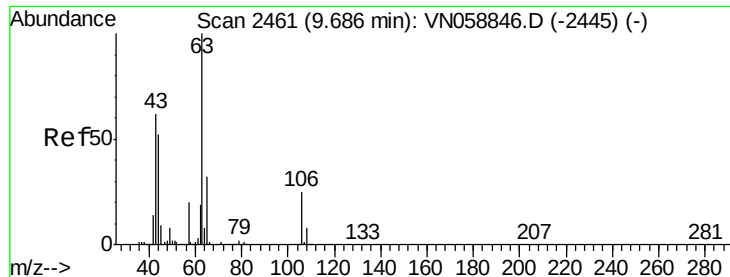
Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion:	76	Resp:	6996
Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.4	38.0





#58

2-Chloroethyl Vinyl ether

Concen: 3.292 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 9880

Ion Ratio Lower Upper

63 100

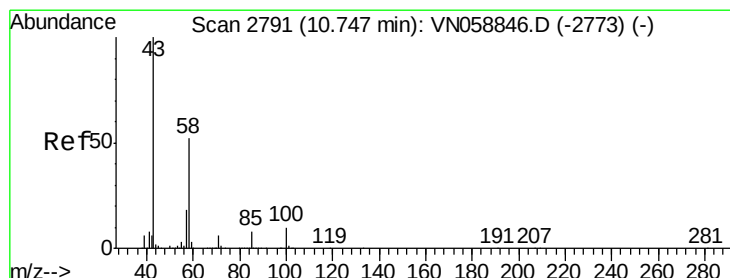
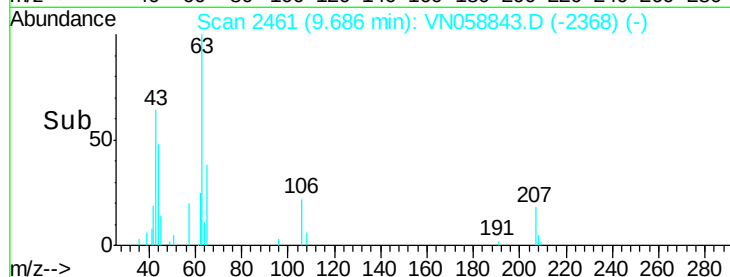
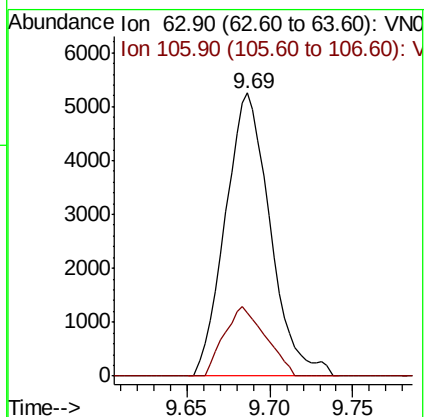
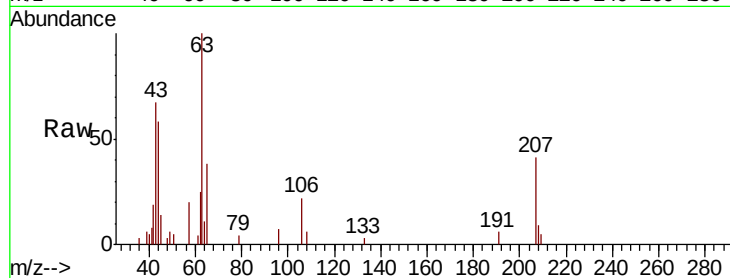
106 22.7 19.8 29.8

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#59

2-Hexanone

Concen: 3.999 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN058843.D

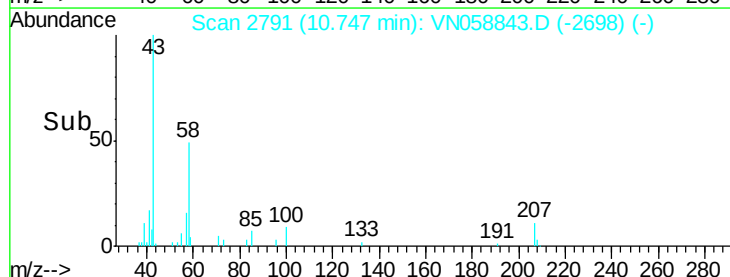
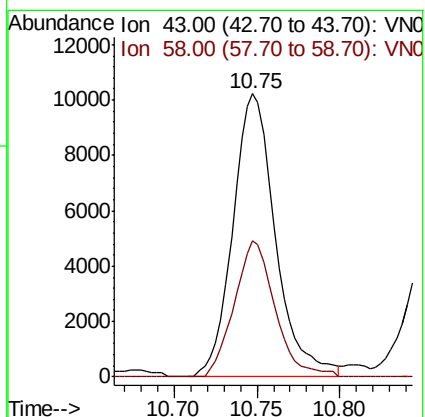
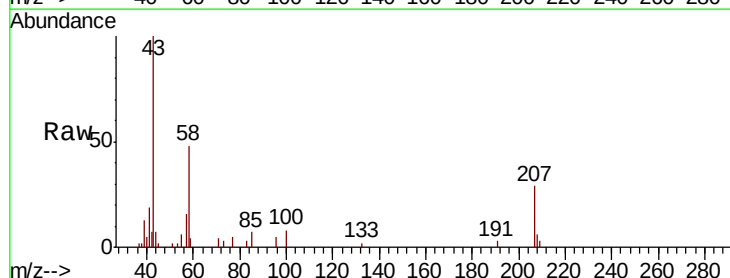
Acq: 18 Oct 2019 8:53

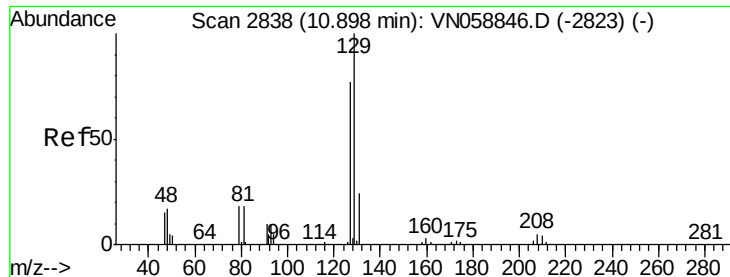
Tgt Ion: 43 Resp: 18292

Ion Ratio Lower Upper

43 100

58 45.8 25.9 77.7





#60

Dibromochloromethane

Concen: 0.910 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4080

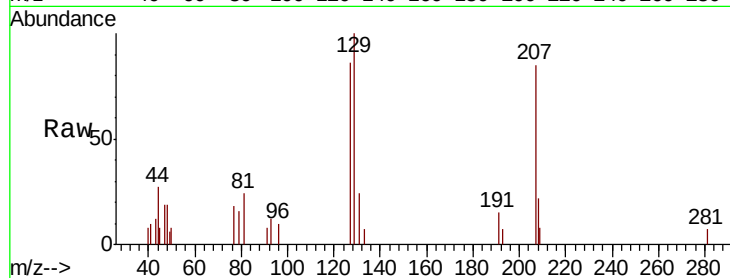
Ion Ratio Lower Upper

129 100

127 77.0 39.1 117.3

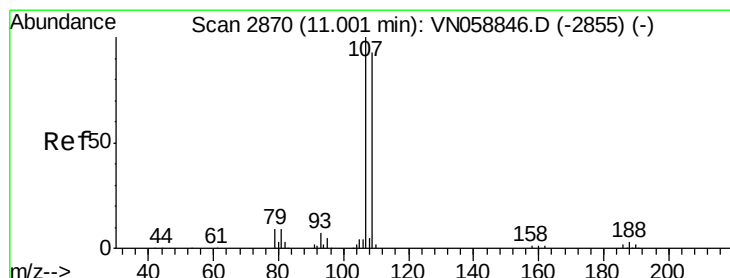
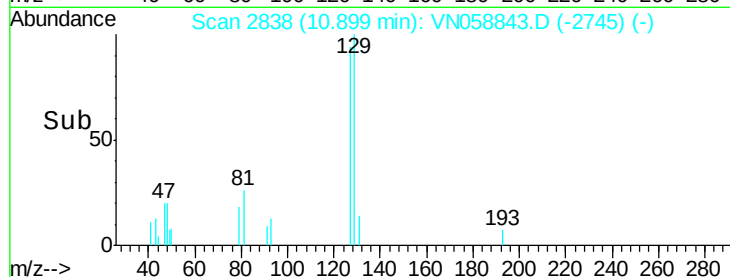
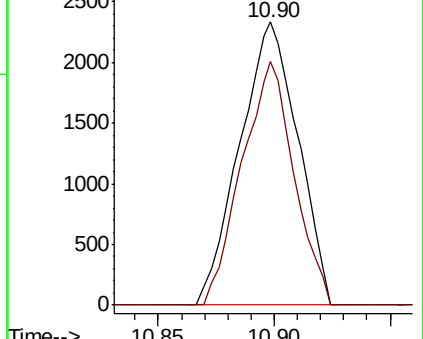
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.906 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058843.D

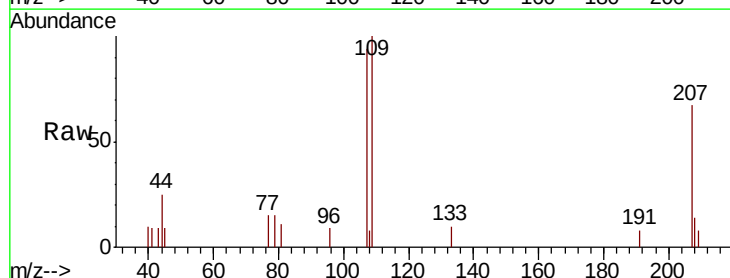
Acq: 18 Oct 2019 8:53

Tgt Ion:107 Resp: 3947

Ion Ratio Lower Upper

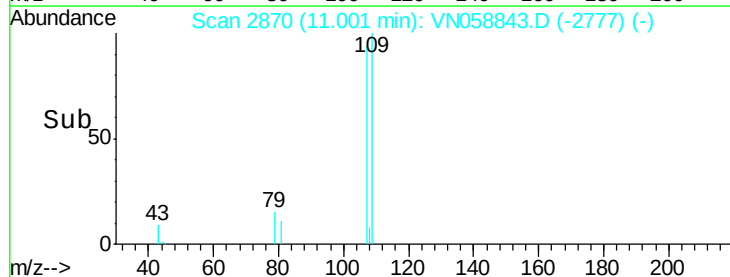
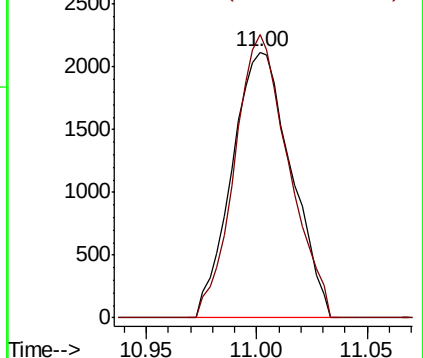
107 100

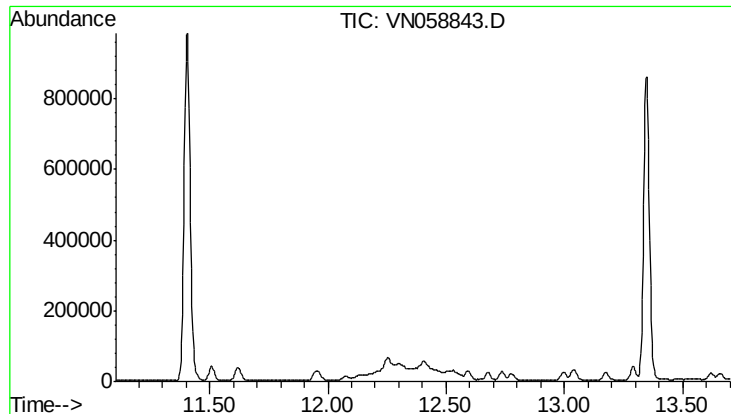
109 97.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





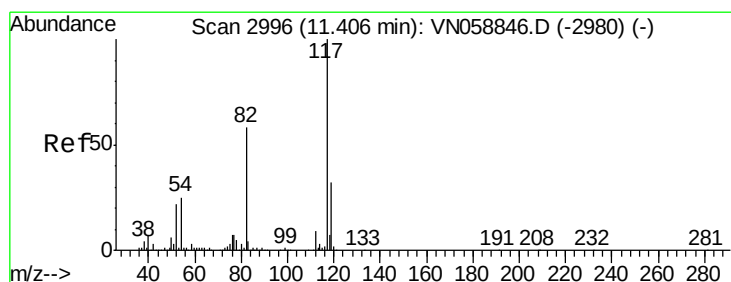
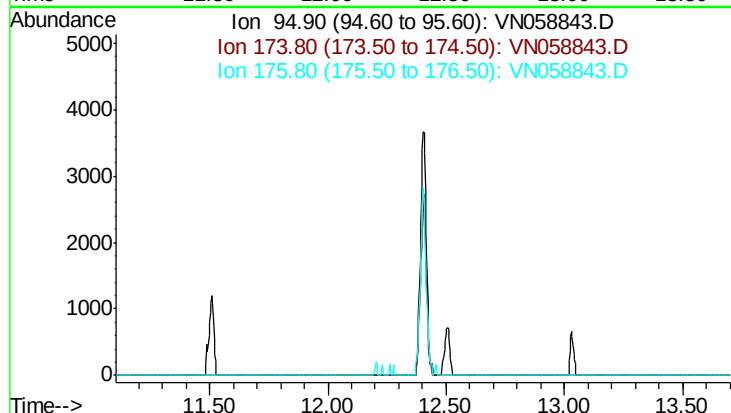
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	73.8
176	71.6

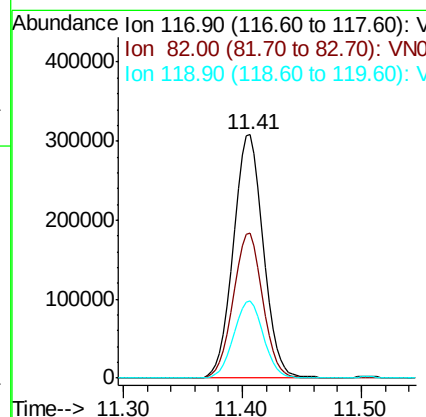
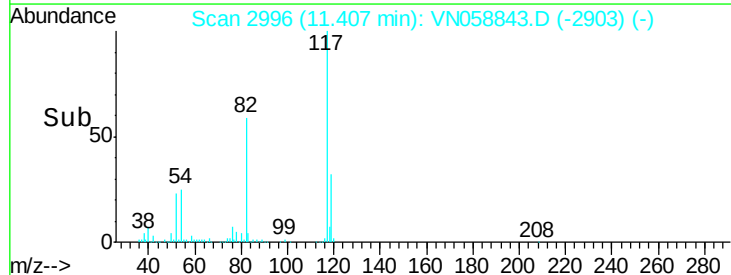
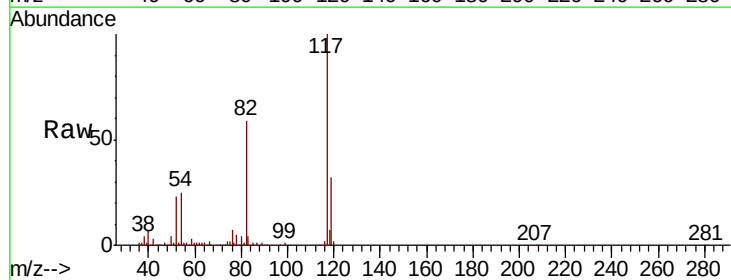
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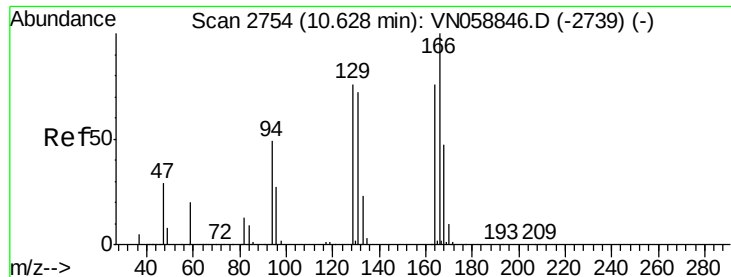
MMDadoda
 10/21/2019 10:43:43 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion	117	Resp	537452
Ion Ratio	Lower	Upper	
117	100		
82	59.4	46.6	69.8
119	31.8	25.6	38.4





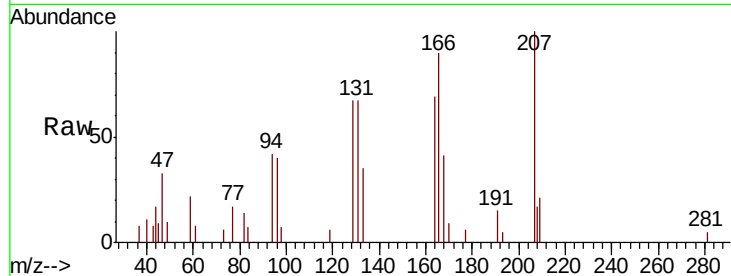
#64
Tetrachloroethene
Concen: 1.055 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.6	104.8	157.2
129	97.3	79.3	118.9
131	96.8	75.8	113.6

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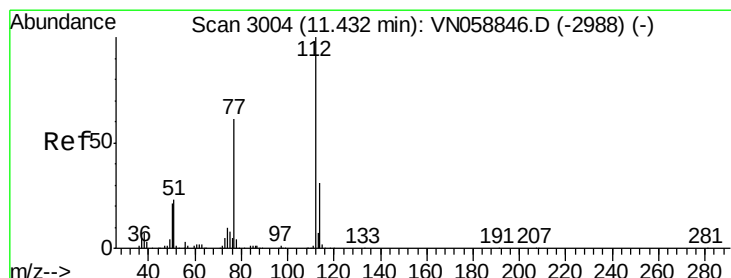
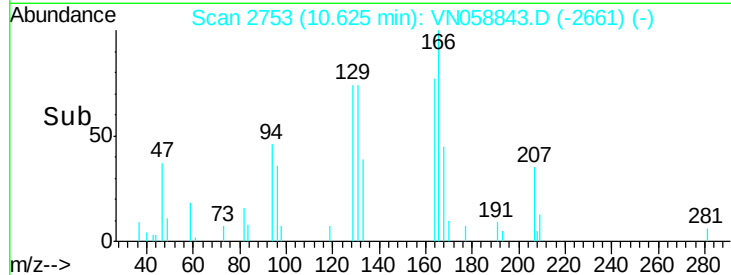
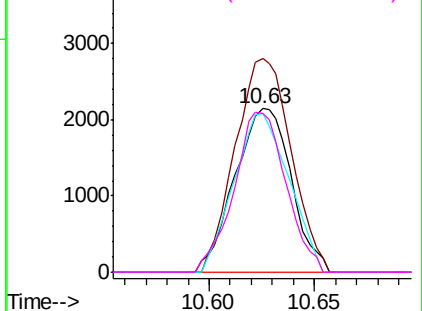
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

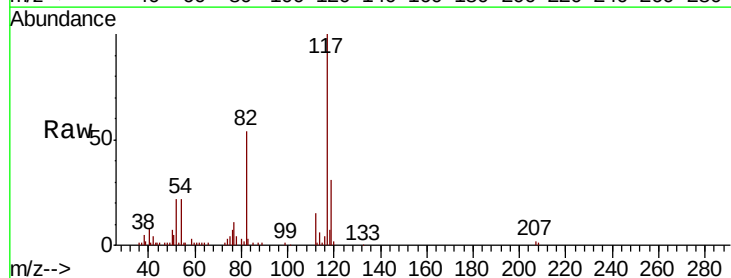
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 0.939 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

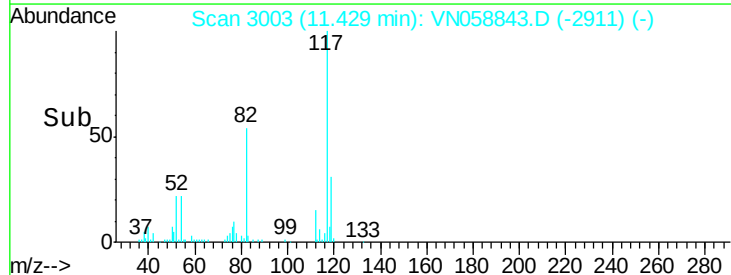
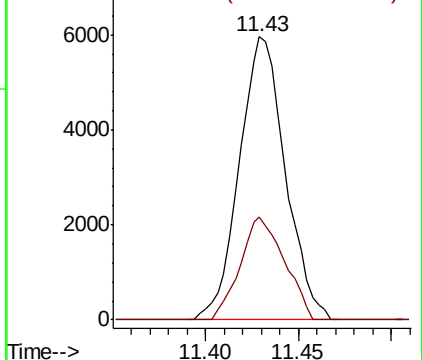
Tgt Ion	Ratio	Lower	Upper
112	100		
114	36.4	25.1	37.7

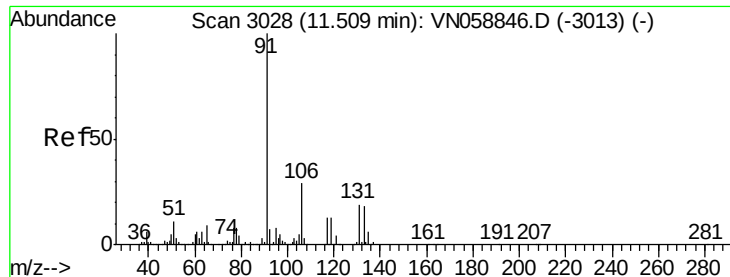


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.935 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

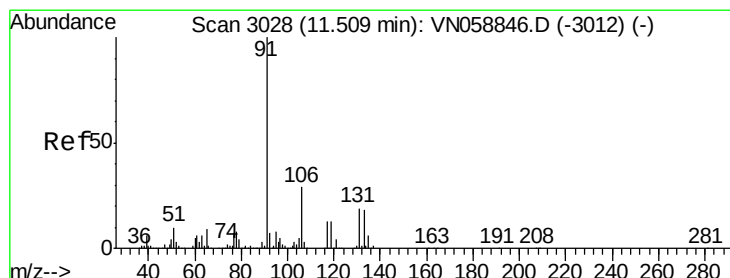
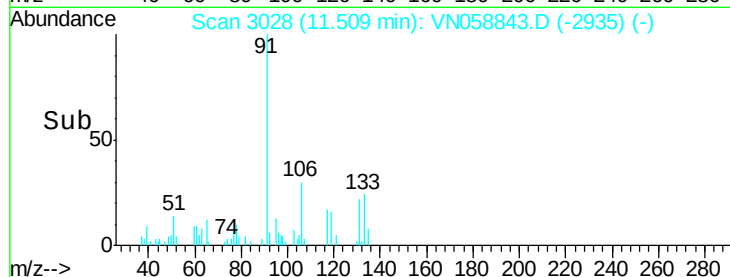
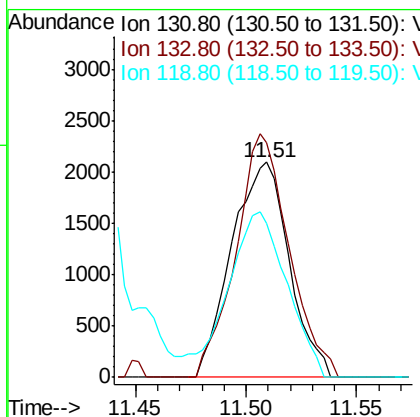
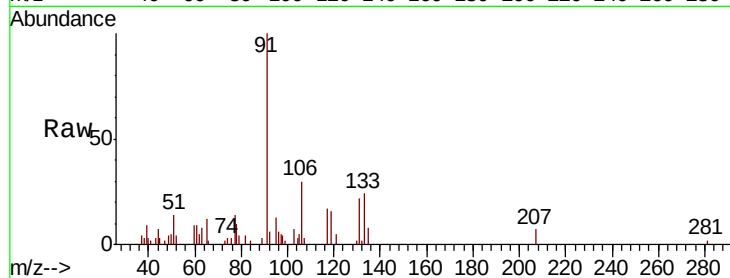
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	104.9	48.4	145.2
119	0.0	33.6	100.8

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#67

Ethyl Benzene

Concen: 0.830 ug/l

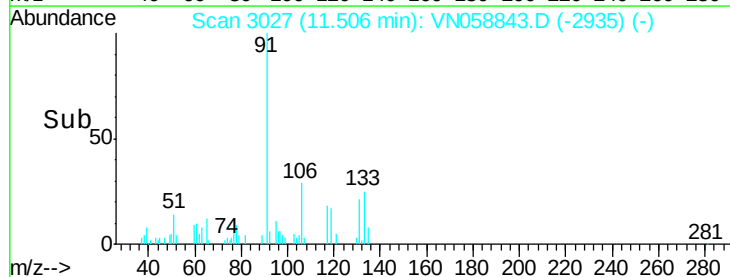
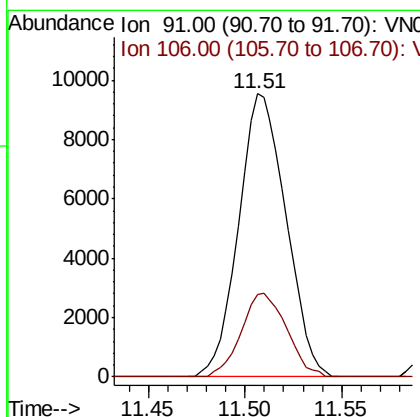
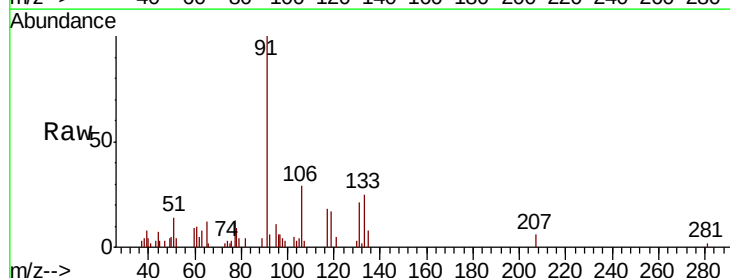
RT: 11.51 min Scan# 3027

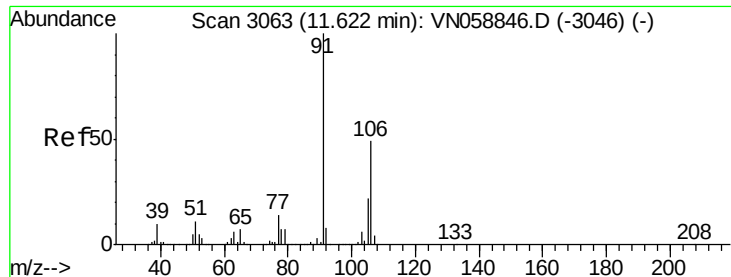
Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.0





#68

m/p-Xylenes

Concen: 1.534 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 11256

Ion Ratio Lower Upper

106 100

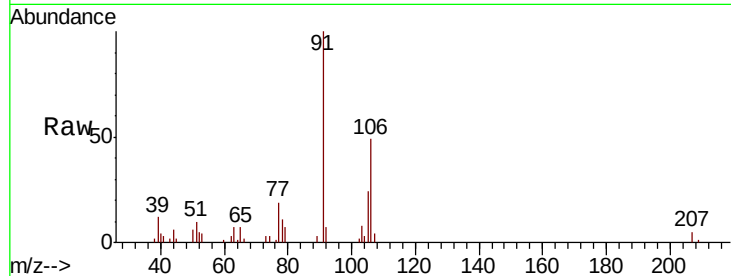
91 209.7 166.6 249.8

Manual Integrations

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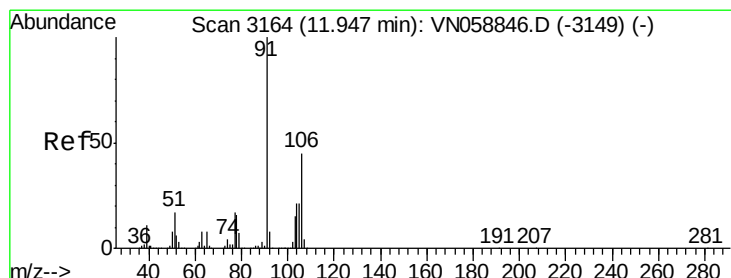
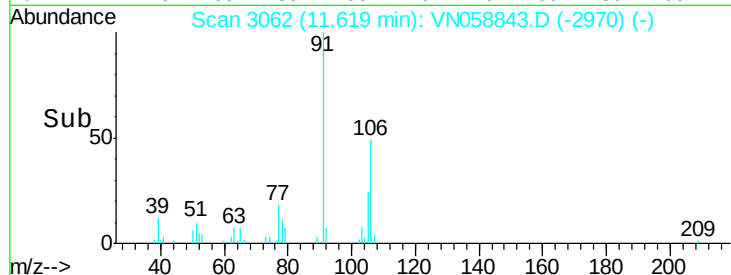
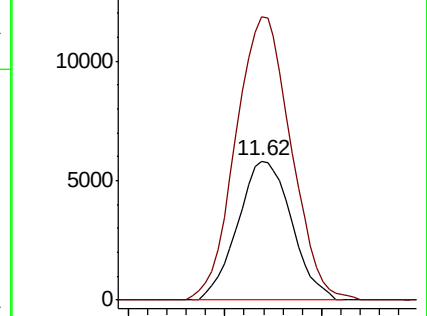
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.777 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058843.D

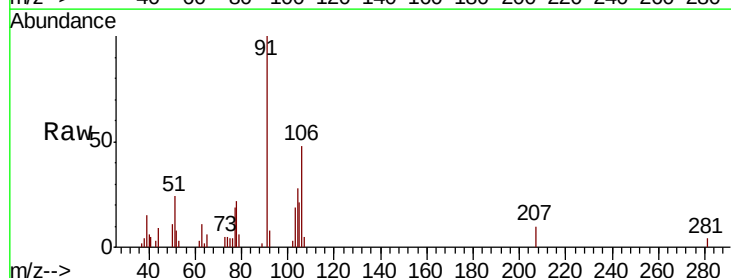
Acq: 18 Oct 2019 8:53

Tgt Ion:106 Resp: 5514

Ion Ratio Lower Upper

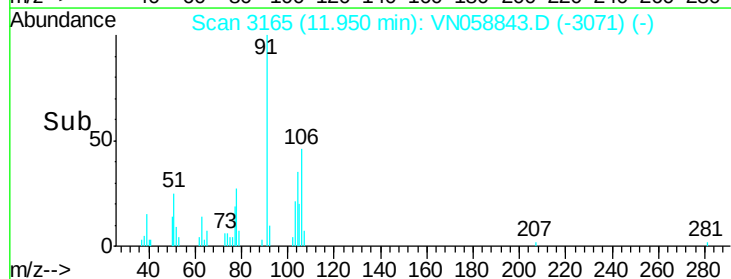
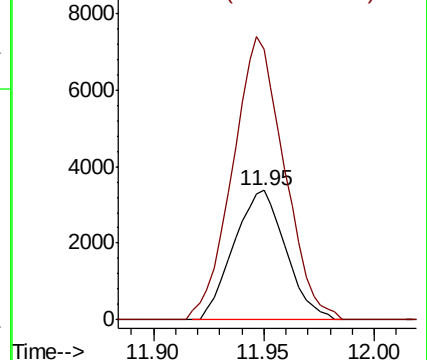
106 100

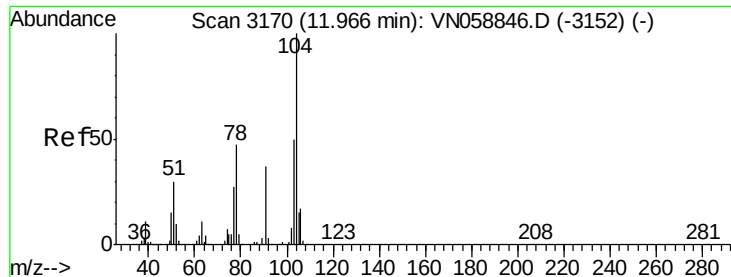
91 218.0 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#70

Stvrene

Concen: 0.673 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

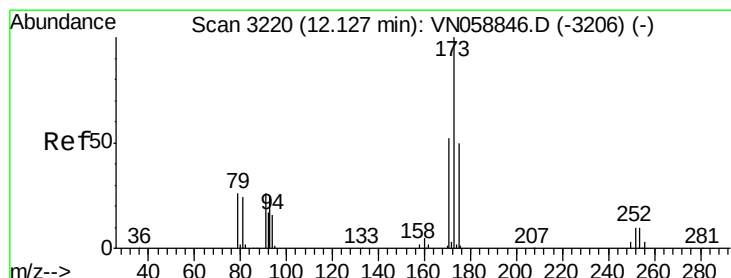
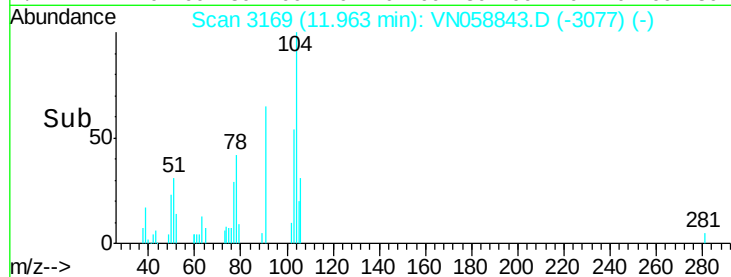
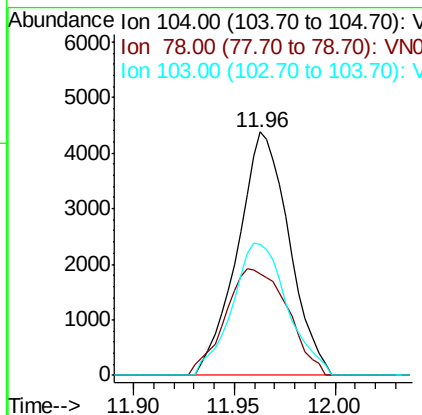
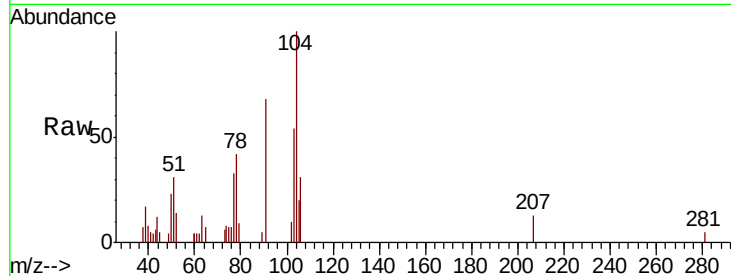
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	7822
Ion Ratio	Lower	Upper	
104	100		
78	53.1	42.8	64.2
103	58.2	44.3	66.5

Manual Integrations
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#71

Bromoform

Concen: 0.983 ug/l

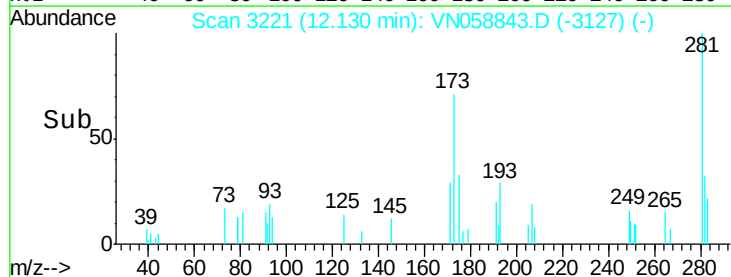
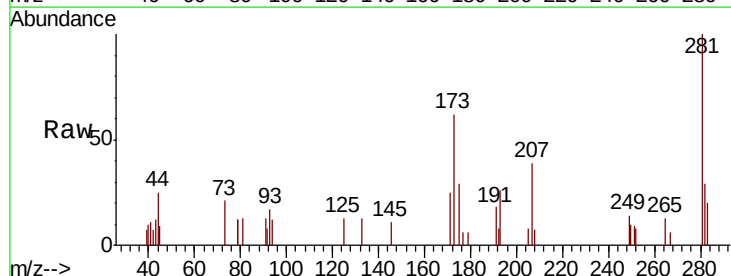
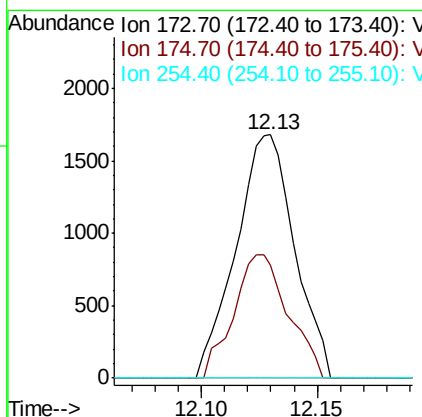
RT: 12.13 min Scan# 3221

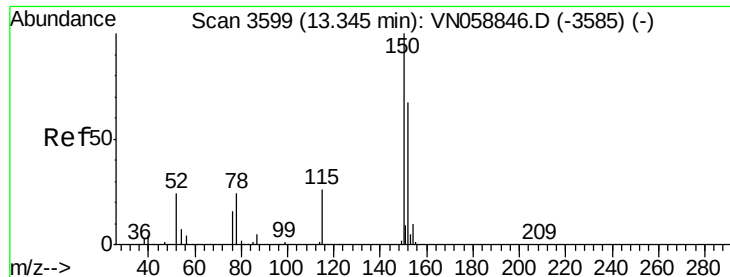
Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion:	173	Resp:	2947
Ion Ratio	Lower	Upper	
173	100		
175	47.0	24.7	74.1
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

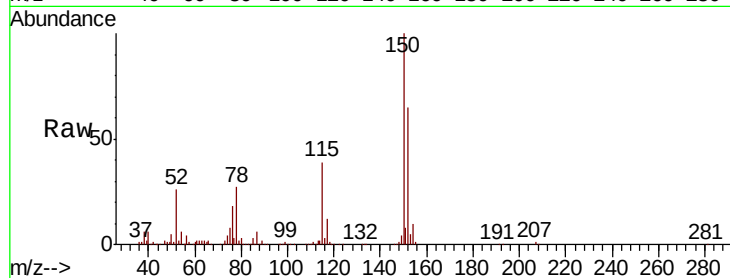
ClientSampleId :

VSTDIC001

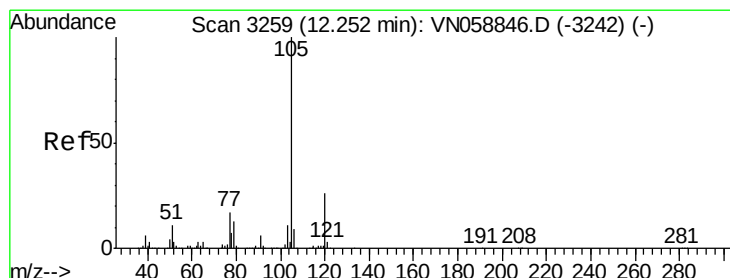
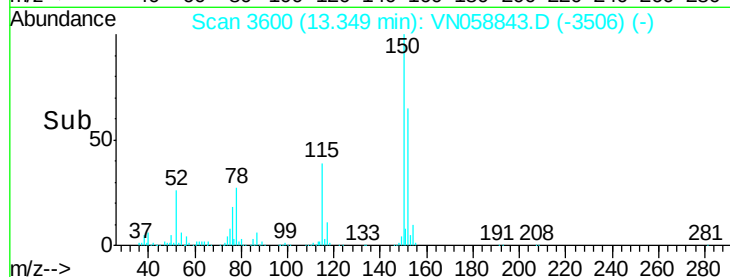
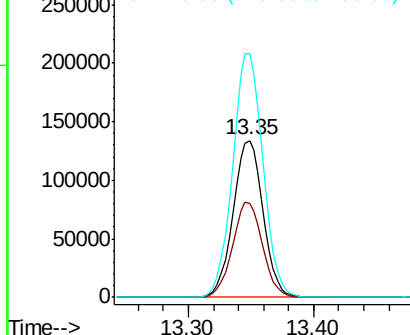
Tot Ion:	152	Resp:	221904
Ion Ratio	Lower	Upper	
152	100		
115	60.1	30.5	91.5
150	156.6	0.0	344.4

Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.999 ug/l

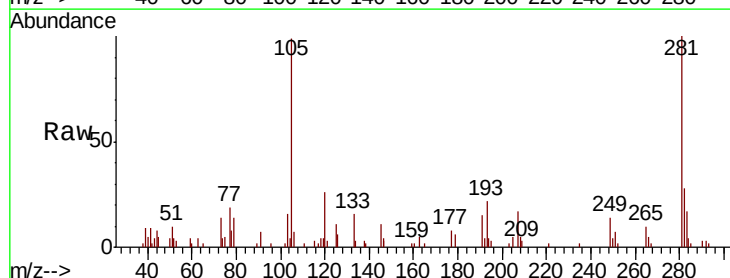
RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

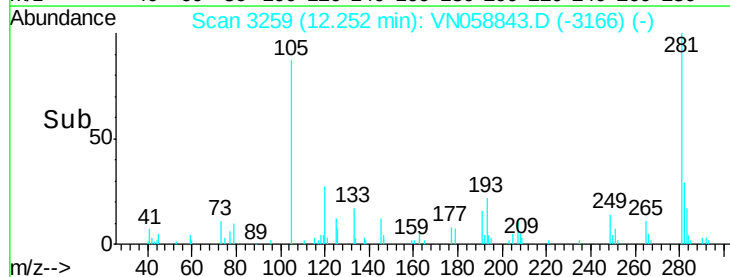
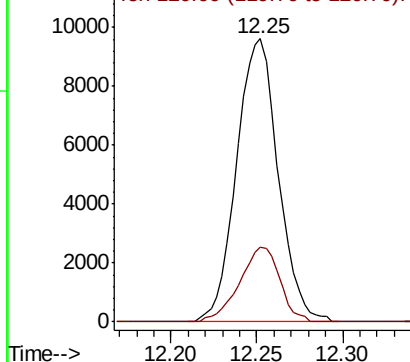
Lab File: VN058843.D

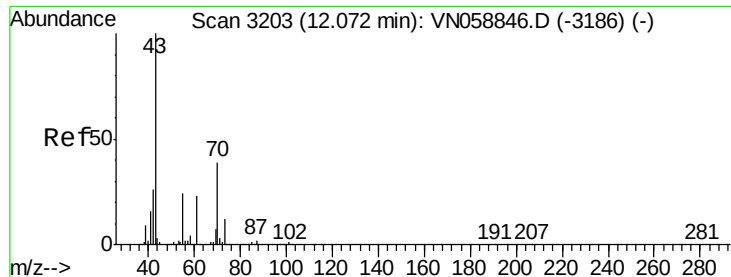
Acq: 18 Oct 2019 8:53

Tgt Ion:	105	Resp:	16167
Ion Ratio	Lower	Upper	
105	100		
120	25.5	12.8	38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.765 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

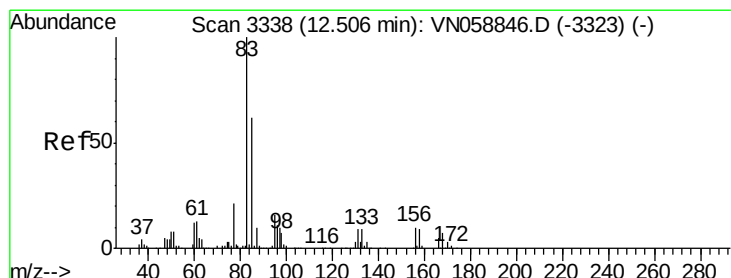
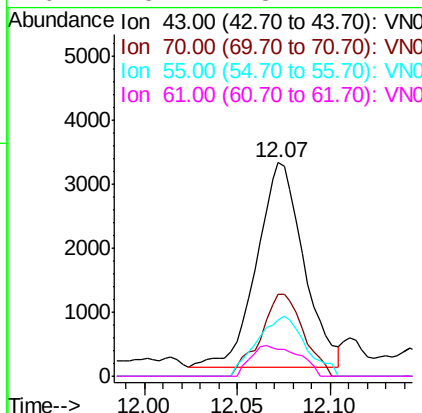
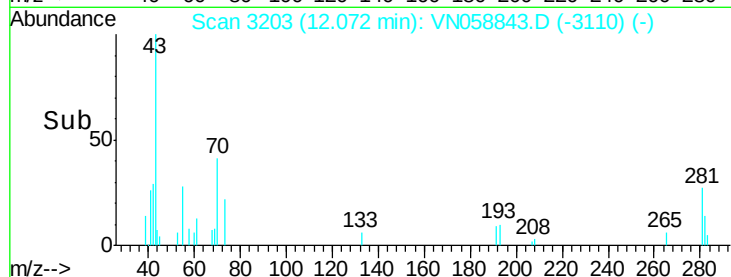
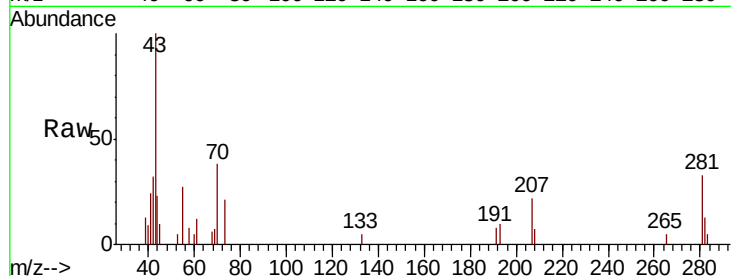
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	36.5	30.9	46.3
55	30.5	19.7	29.5#
61	15.4	18.2	27.4#

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.133 ug/l

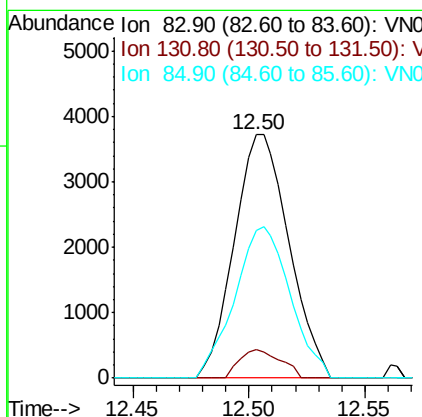
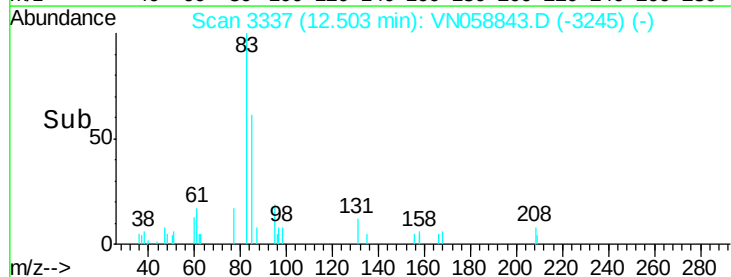
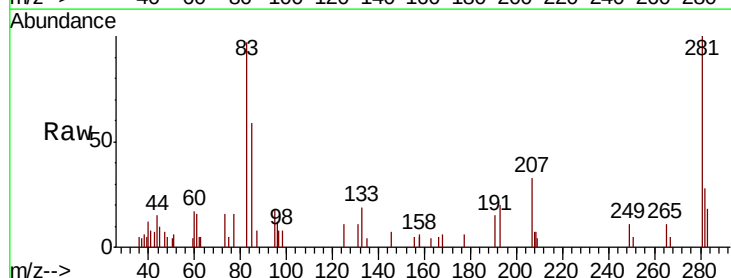
RT: 12.50 min Scan# 3337

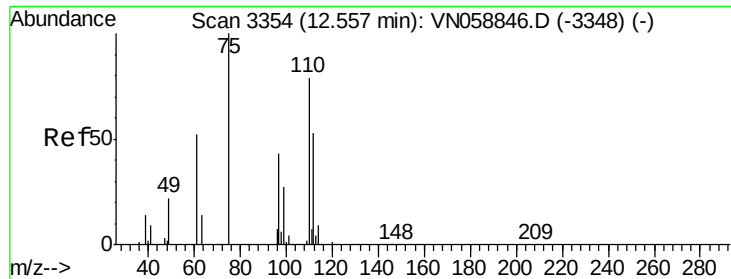
Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.7	14.1
85	62.9	31.7	95.1





#76

1,2,3-Trichloropropane

Concen: 1.026 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.01 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 5124

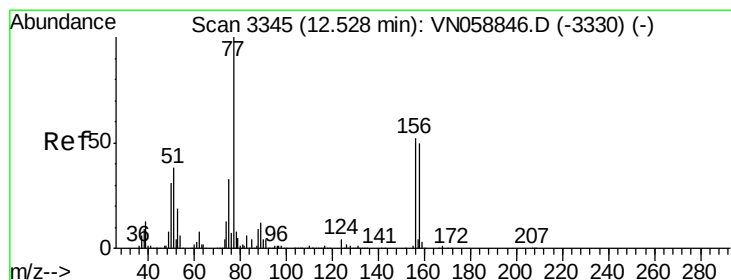
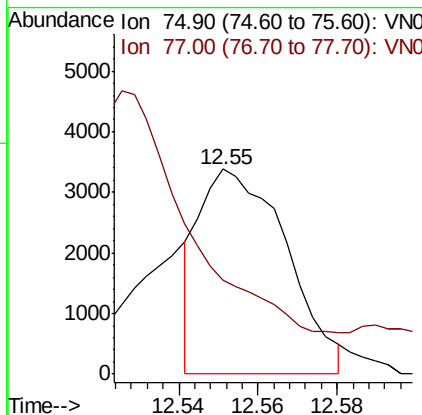
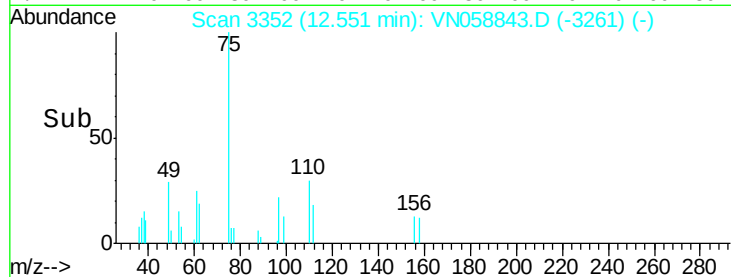
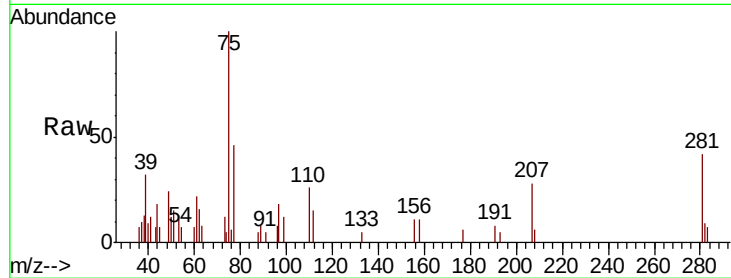
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

Manual Integrations
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#77

Bromobenzene

Concen: 1.005 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

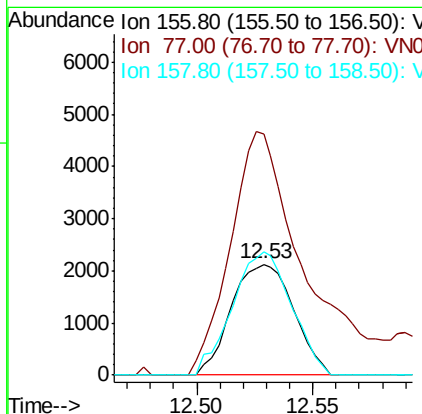
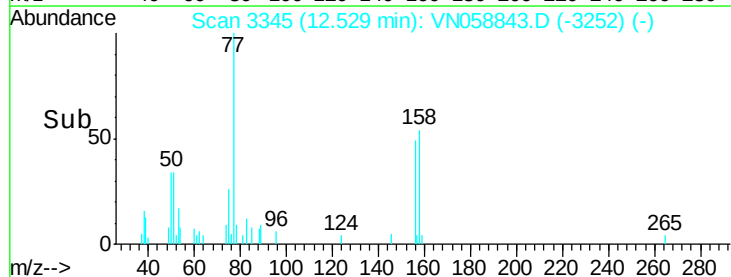
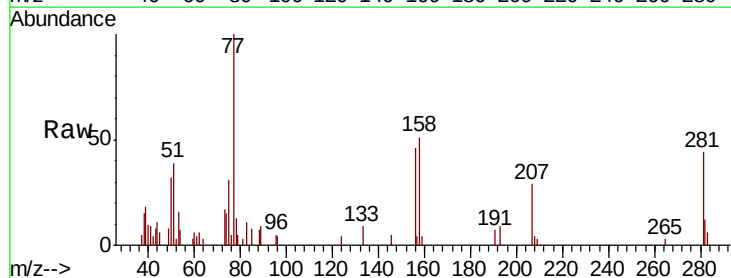
Tgt Ion: 156 Resp: 3965

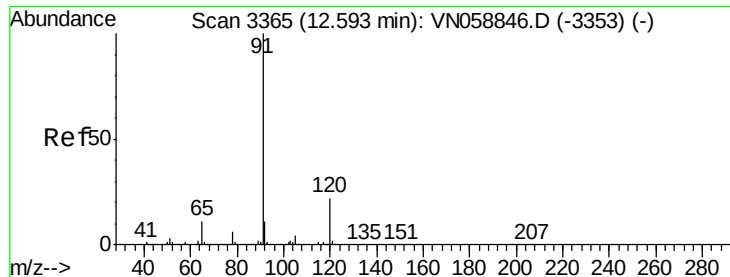
Ion Ratio Lower Upper

156 100

77 258.8 118.0 354.0

158 105.5 48.3 144.8





#78

n-propylbenzene

Concen: 1.000 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 18881

Ion Ratio Lower Upper

91 100

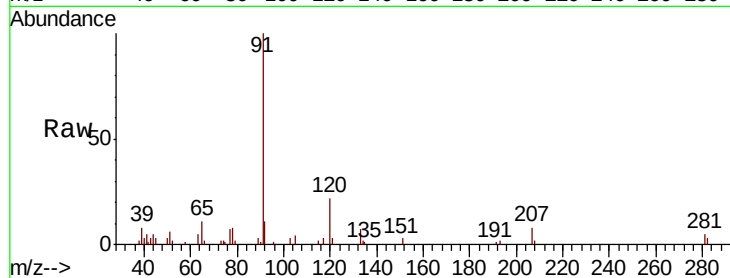
120 19.8 11.1 33.1

Manual Integrations

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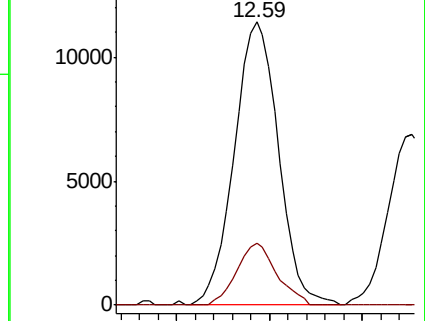
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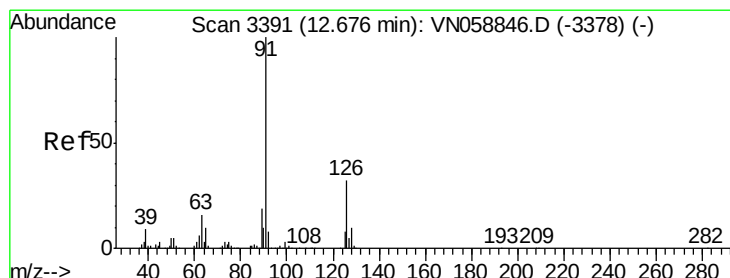
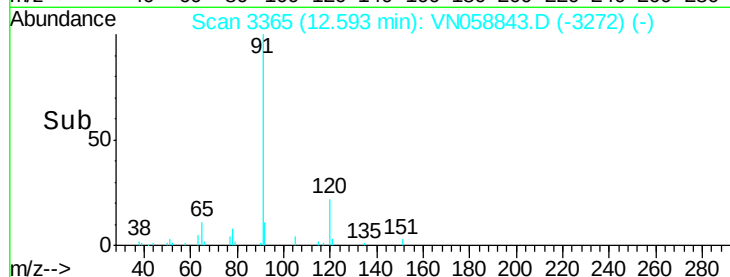


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 1.023 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058843.D

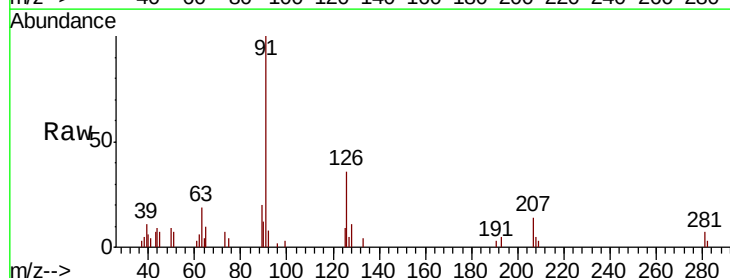
Acq: 18 Oct 2019 8:53

Tgt Ion: 91 Resp: 11995

Ion Ratio Lower Upper

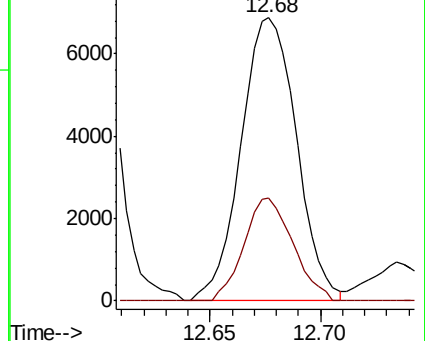
91 100

126 32.0 16.2 48.6

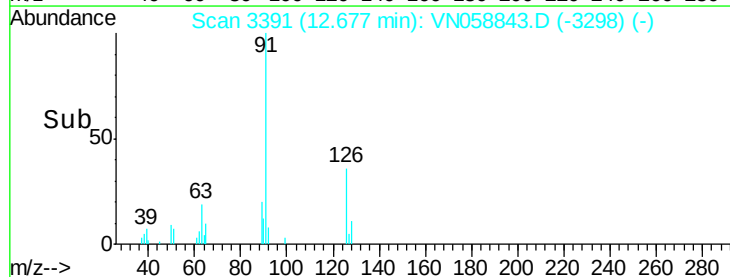


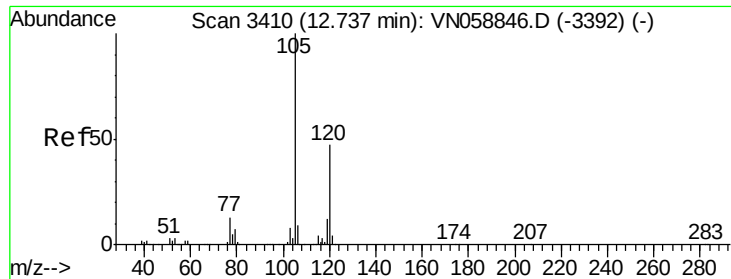
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->





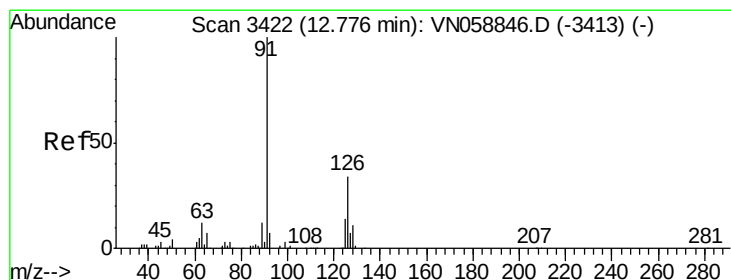
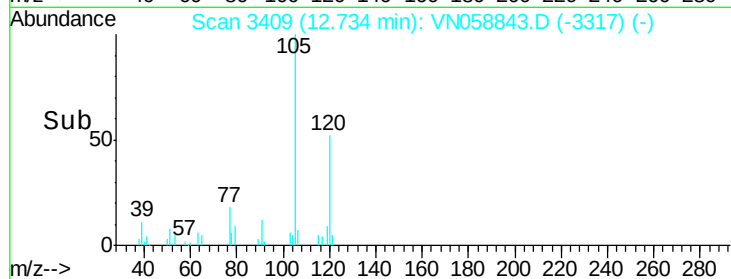
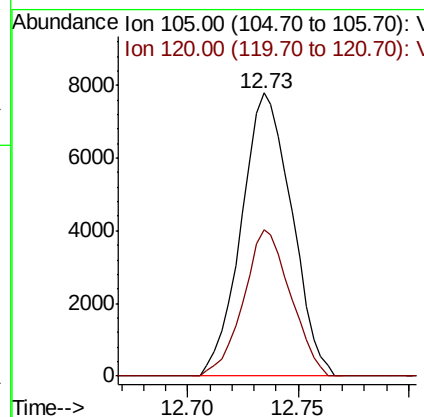
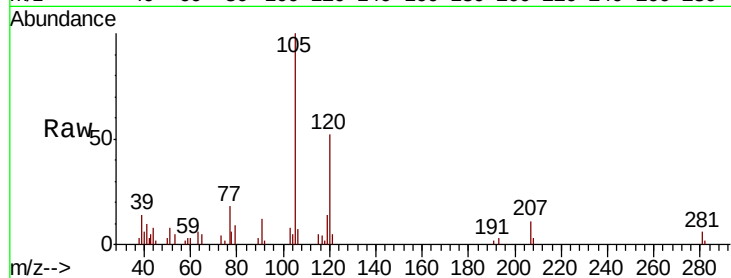
#80
 1,3,5-Trimethylbenzene
 Concen: 0.892 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.8	71.5

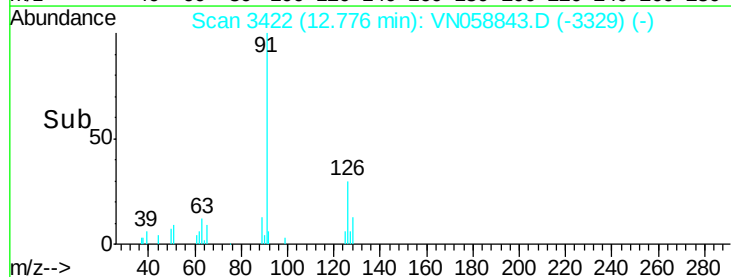
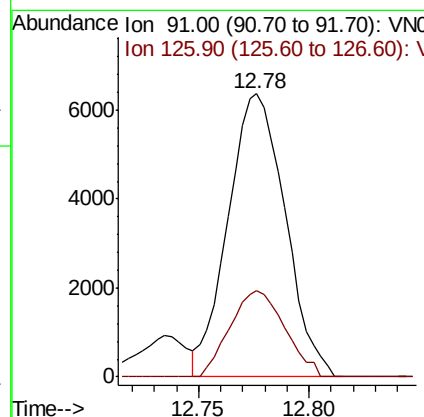
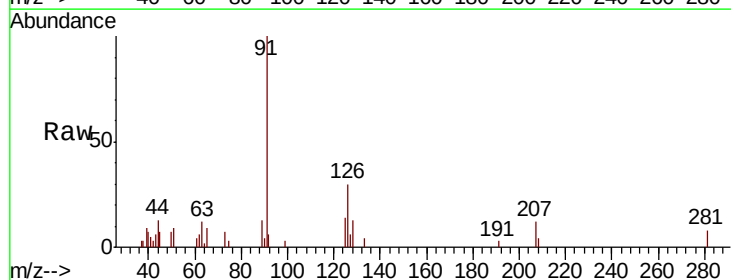
Manual Integrations
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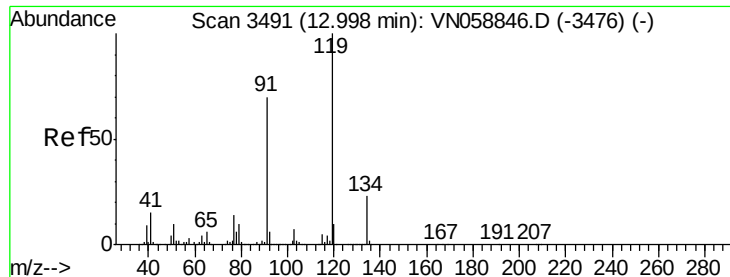
MMDadoda
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#82
 4-Chlorotoluene
 Concen: 0.954 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	16.0	47.9





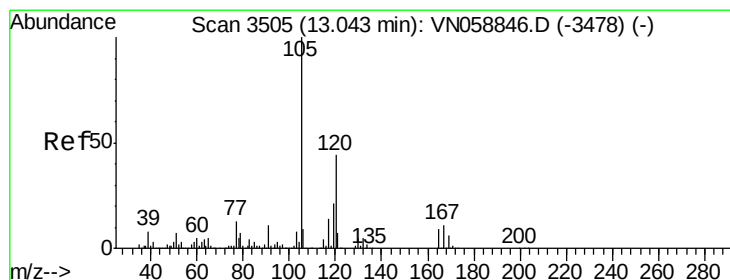
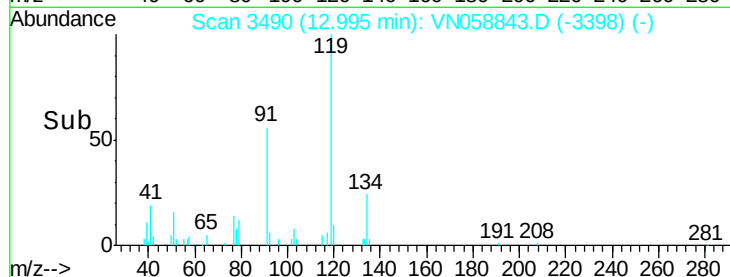
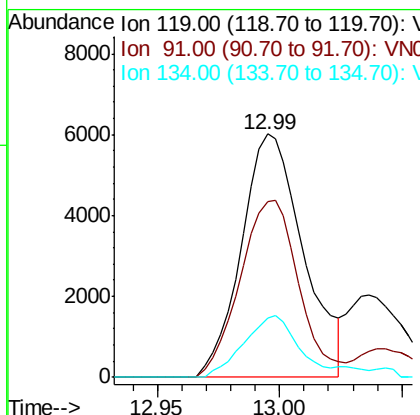
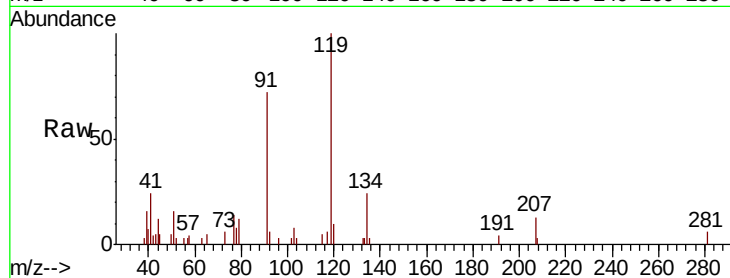
#83
 tert-Butylbenzene
 Concen: 0.895 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.1	102.3
134	22.1	11.6	34.8

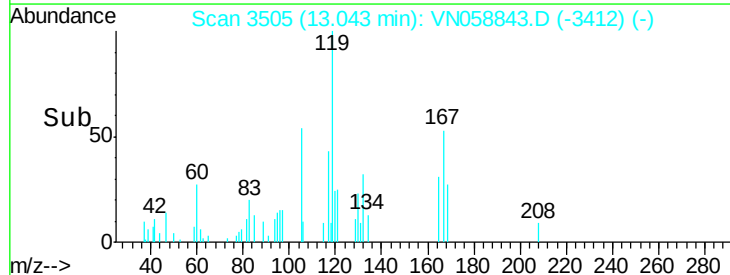
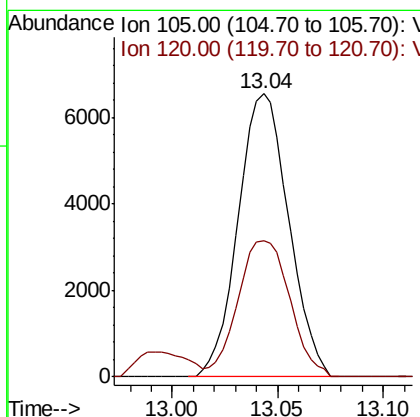
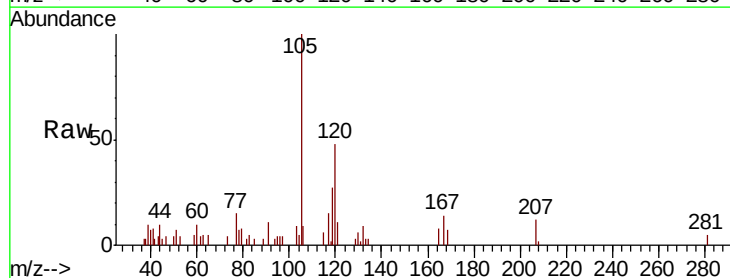
Manual Integrations
 APPROVED

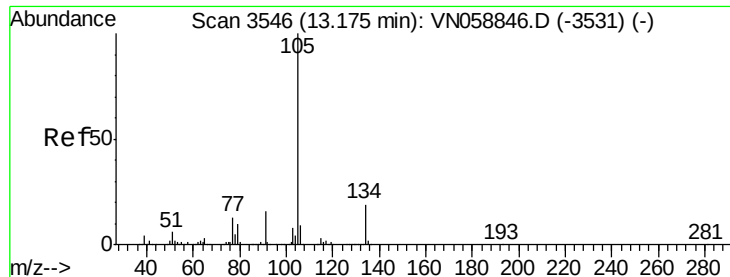
MMDadoda
 10/21/2019 10:43:43 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.794 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	21.9	65.8





#85

sec-Butylbenzene

Concen: 0.885 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 13825

Ion Ratio Lower Upper

105 100

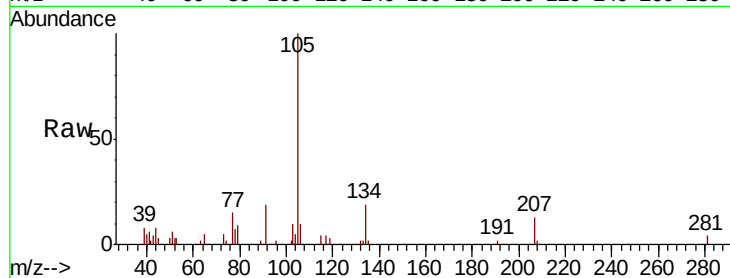
134 19.6 9.4 28.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

8000

6000

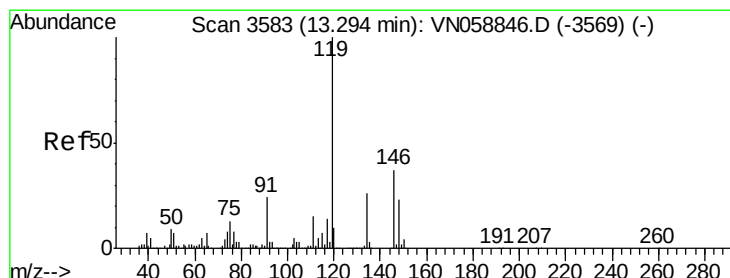
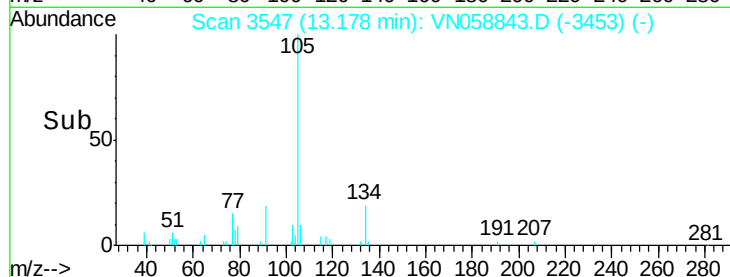
4000

2000

0

13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 0.815 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

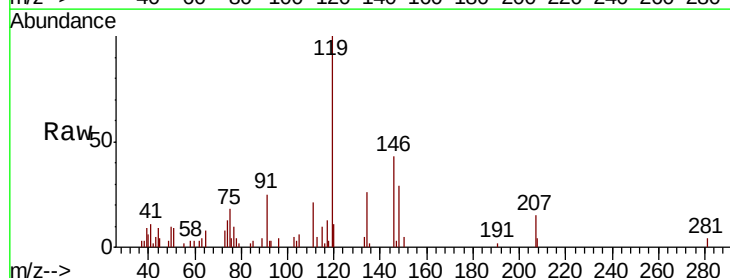
Tgt Ion:119 Resp: 11533

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 25.1 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

8000

6000

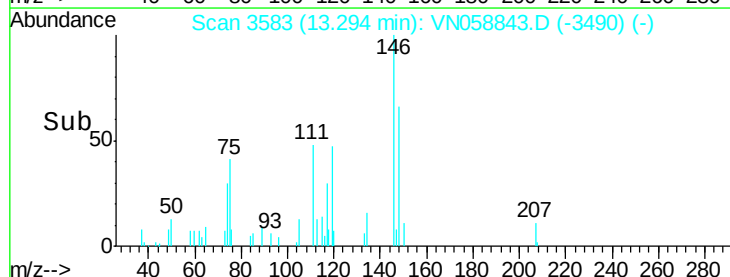
4000

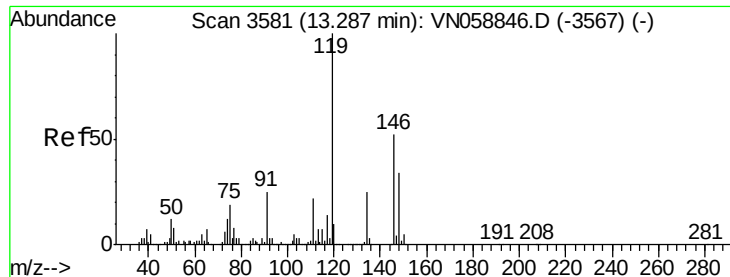
2000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 0.885 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

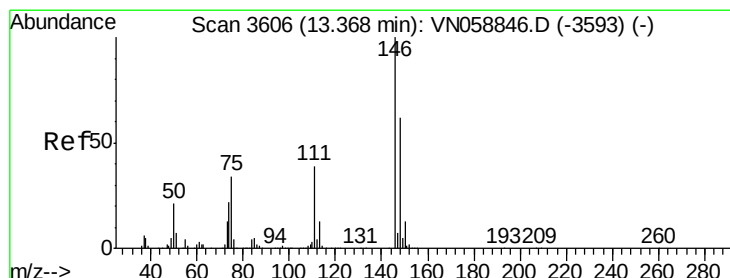
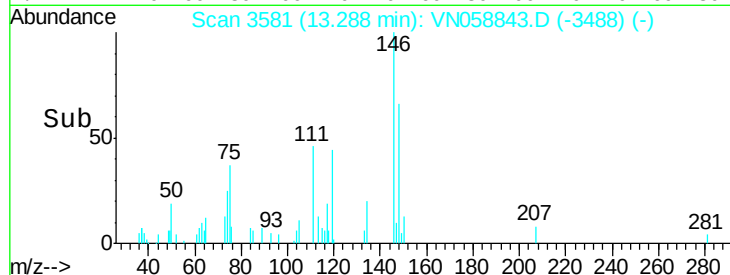
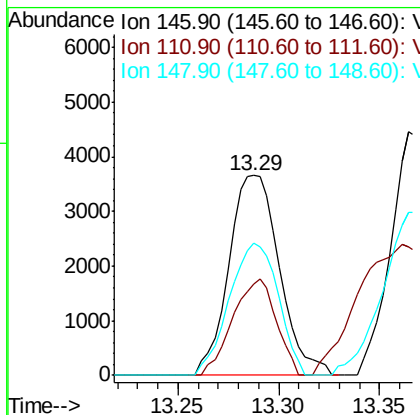
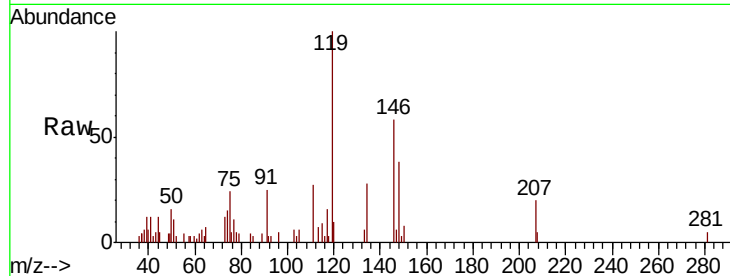
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.0	63.0
148	64.0	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 0.939 ug/l m

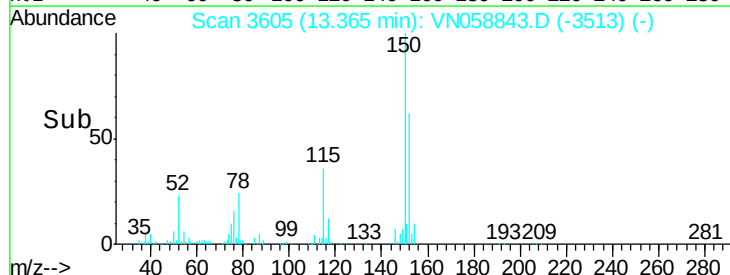
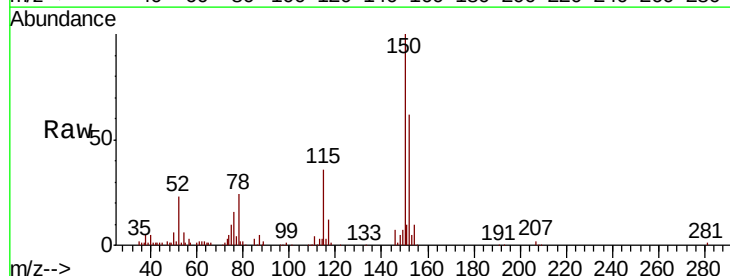
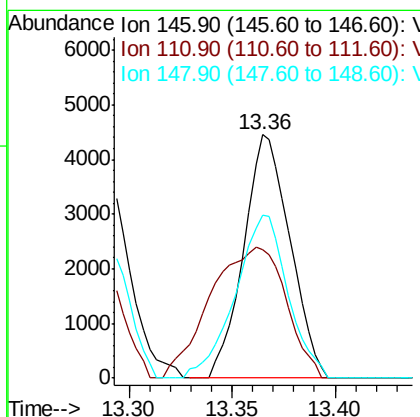
RT: 13.36 min Scan# 3605

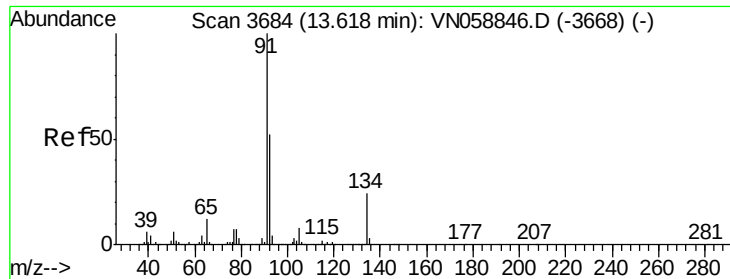
Delta R.T. -0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.2	60.6
148	59.2	31.6	94.7





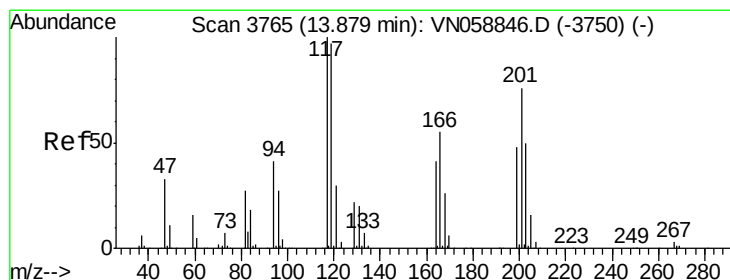
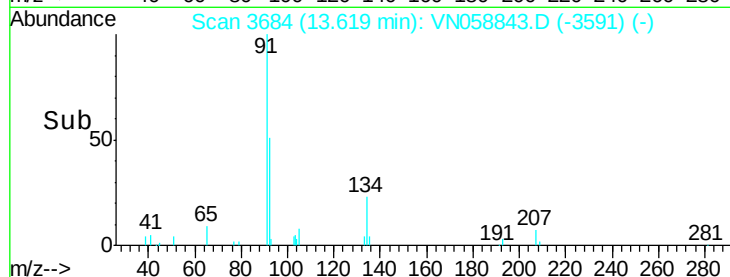
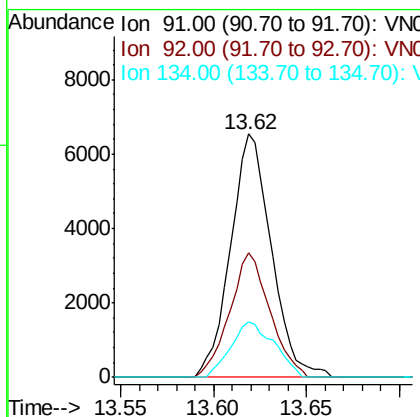
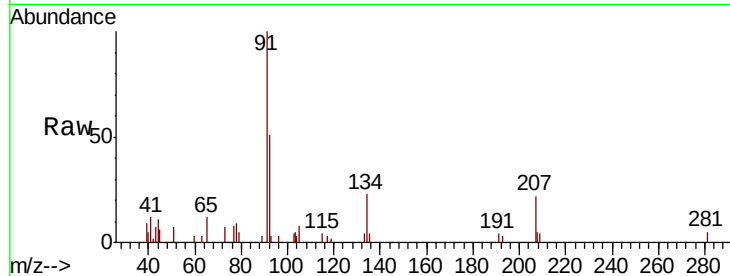
#89
n-Butylbenzene
Concen: 0.763 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.7	77.1
134	24.2	11.9	35.5

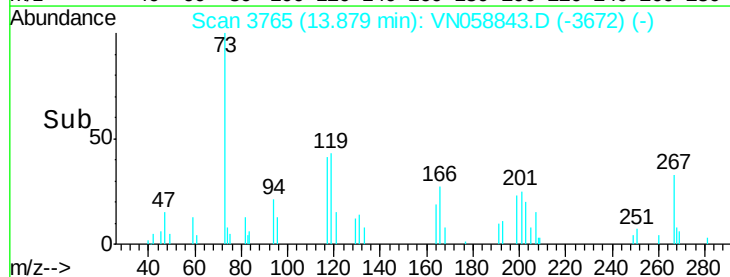
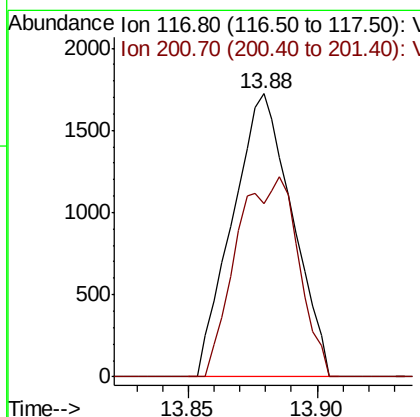
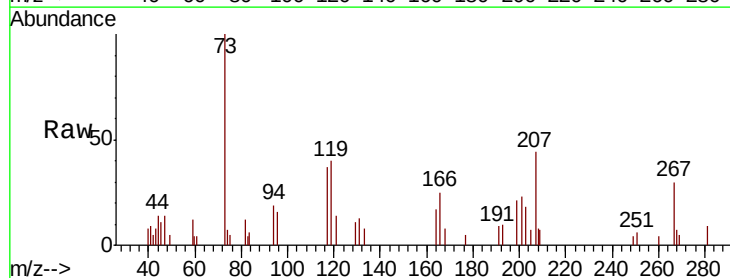
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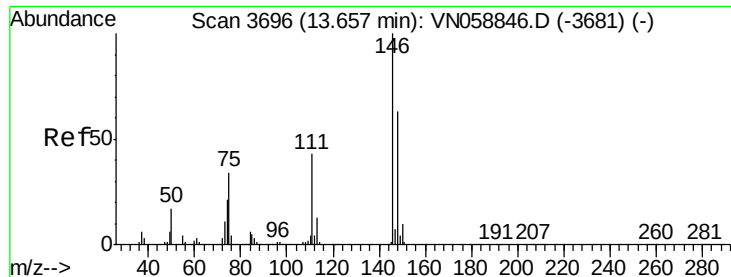
MMDadoda
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#90
Hexachloroethane
Concen: 1.087 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058843.D
Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.3	38.9	116.6





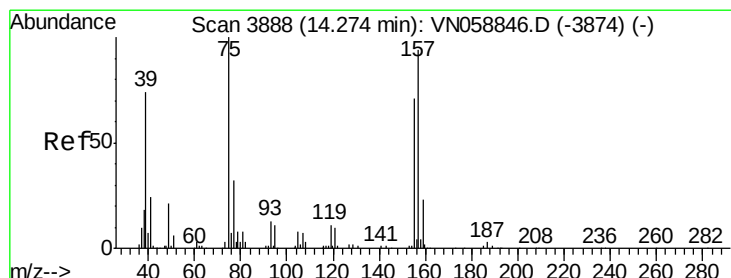
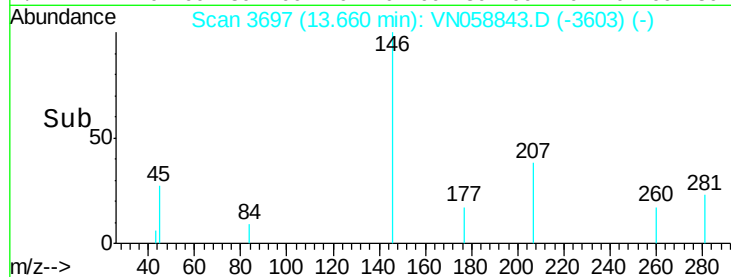
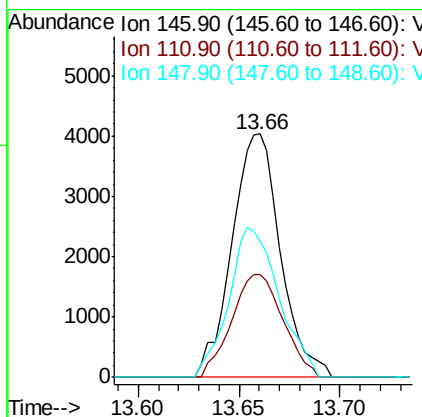
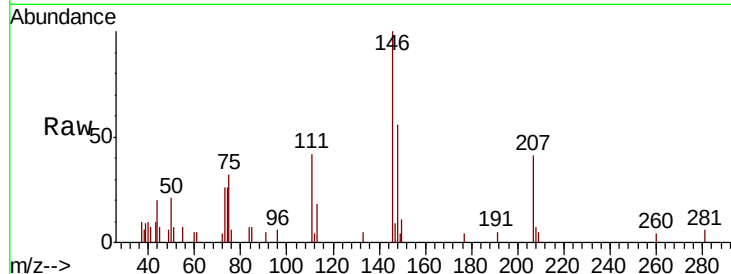
#91
 1,2-Dichlorobenzene
 Concen: 0.959 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.6	64.8
148	63.7	31.9	95.9

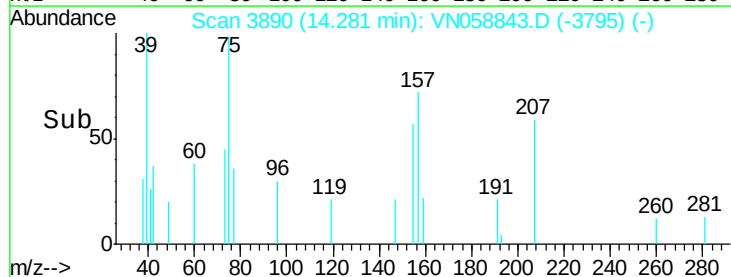
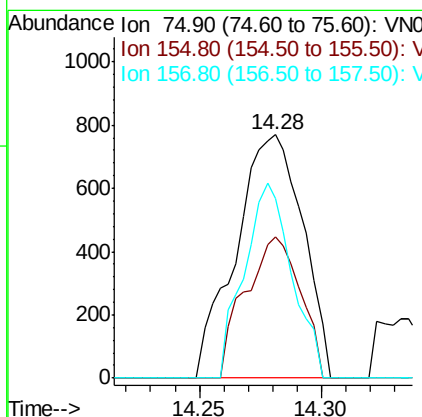
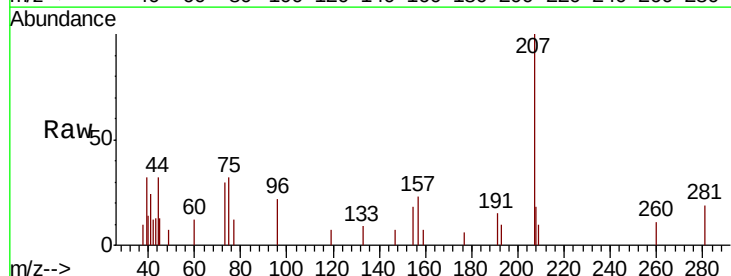
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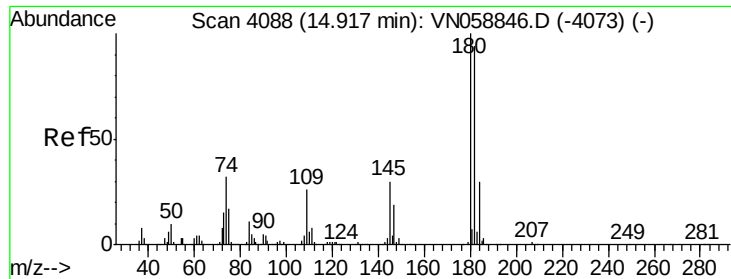
MMDadoda
 10/21/2019 10:43:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.161 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.01 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	47.9	35.6	106.8
157	57.0	47.4	142.2





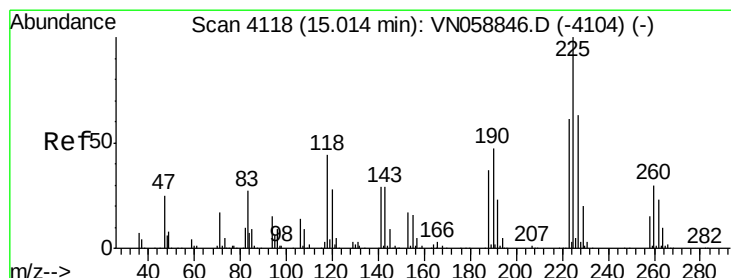
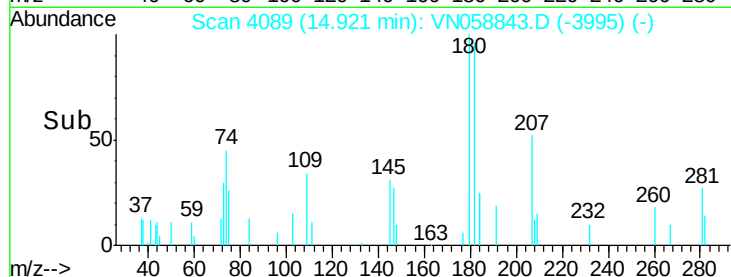
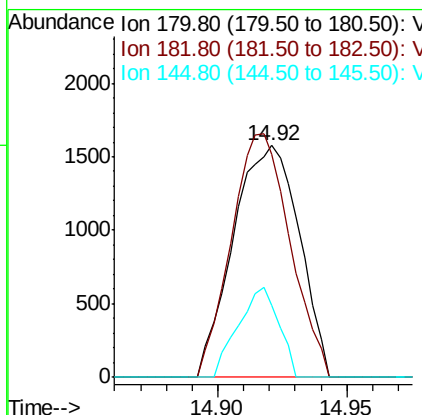
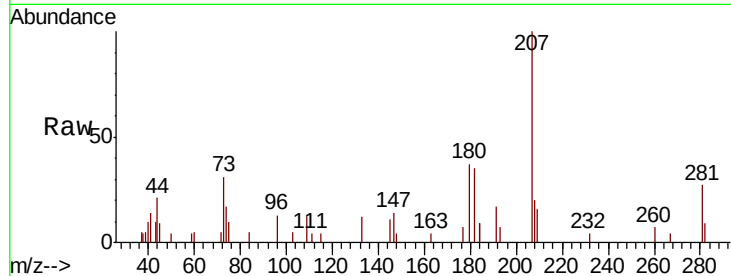
#93
 1,2,4-Trichlorobenzene
 Concen: 0.655 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	2803		
182	93.6	47.3	142.0	
145	23.8	15.3	45.8	

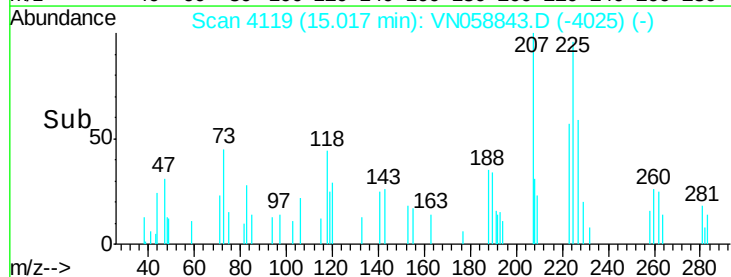
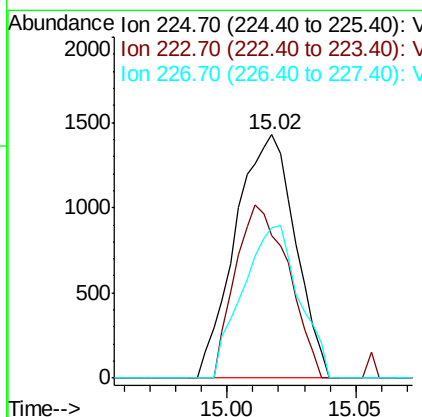
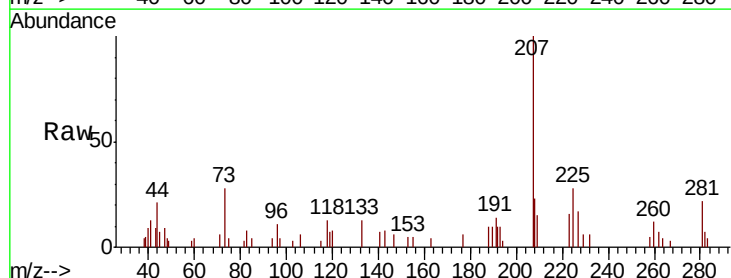
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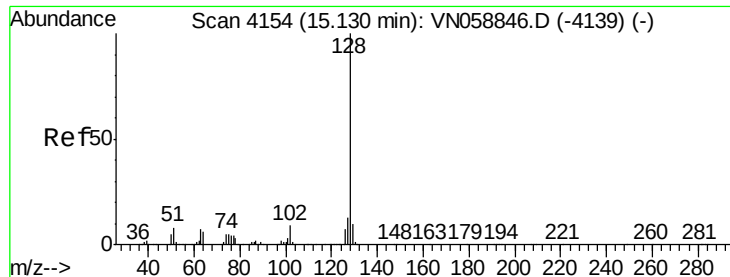
MMDadoda
 10/21/2019 10:43:43 AM



#94
 Hexachlorobutadiene
 Concen: 1.015 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058843.D
 Acq: 18 Oct 2019 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2308		
223	63.4	30.9	92.5	
227	59.0	31.6	94.7	





#95

Naphthalene

Concen: 0.571 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Instrument :

MSVOA_N

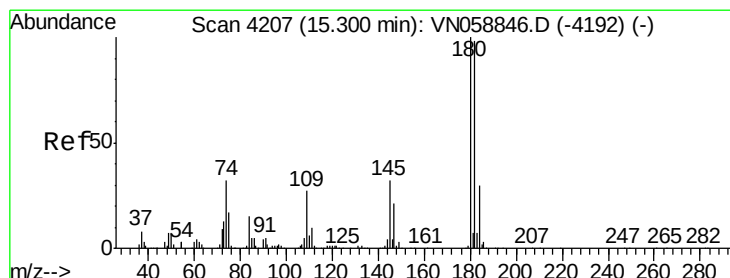
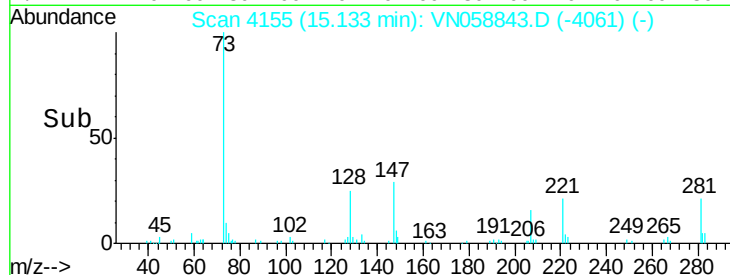
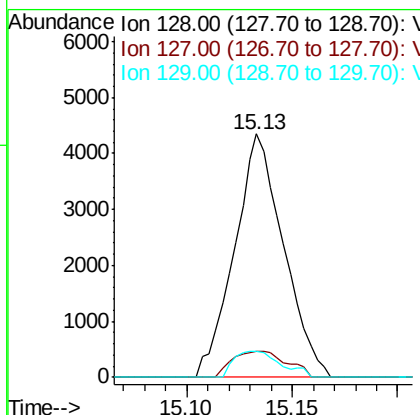
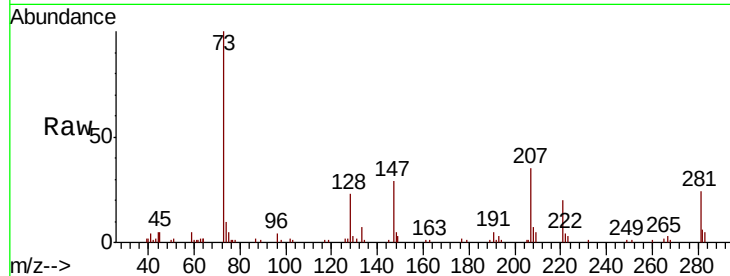
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	7013
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.2	15.2
129	10.2	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 0.710 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058843.D

Acq: 18 Oct 2019 8:53

Tgt Ion:	180	Resp:	2973
Ion Ratio	Lower	Upper	
180	100		
182	87.3	47.9	143.7
145	32.8	15.9	47.7

