

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058400.D
 Acq On : 27 Sep 2019 11:33
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:29 AM

Quant Time: Sep 27 23:36:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	460224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	774797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	33584	5.19	ug/l	0.00
Spiked Amount			Recovery	=	10.38%	
35) Dibromofluoromethane	7.57	113	21924	4.65	ug/l	0.00
Spiked Amount			Recovery	=	9.30%	
50) Toluene-d8	10.08	98	88594	4.84	ug/l	0.00
Spiked Amount			Recovery	=	9.68%	
62) 4-Bromofluorobenzene	12.41	95	30869	4.55	ug/l	0.00
Spiked Amount			Recovery	=	9.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	25852	6.374	ug/l	99
3) Chloromethane	2.03	50	27588	6.988	ug/l	98
4) Vinyl Chloride	2.17	62	27776	6.881	ug/l	100
5) Bromomethane	2.52	94	15063	7.309	ug/l	95
6) Chloroethane	2.67	64	17399	6.653	ug/l	90
7) Trichlorofluoromethane	2.99	101	33382	6.063	ug/l	98
8) Diethyl Ether	3.39	74	14899	6.023	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	22831	5.838	ug/l	95
10) Methyl Iodide	3.93	142	20000	5.615	ug/l #	93
11) Tert butyl alcohol	4.77	59	19154m	25.167	ug/l	
12) 1,1-Dichloroethene	3.71	96	22489	6.550	ug/l	98
13) Acrolein	3.58	56	5729	42.907	ug/l	93
14) Allyl chloride	4.30	41	38623	5.957	ug/l	97
15) Acrylonitrile	4.96	53	54356	26.296	ug/l	97
16) Acetone	3.80	43	59184	26.541	ug/l	100
17) Carbon Disulfide	4.03	76	53534	8.635	ug/l	99
18) Methyl Acetate	4.30	43	29250	5.074	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	78149	5.437	ug/l	99
20) Methylene Chloride	4.53	84	27784	6.222	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	24813	6.663	ug/l	96
22) Diisopropyl ether	5.92	45	84176	5.323	ug/l #	84
23) Vinyl Acetate	5.87	43	323933	29.131	ug/l	100
24) 1,1-Dichloroethane	5.82	63	49008	5.711	ug/l	98
25) 2-Butanone	6.82	43	79512	26.388	ug/l	97
26) 2,2-Dichloropropane	6.80	77	38606	5.319	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	29109	5.963	ug/l	98
28) Bromochloromethane	7.18	49	17234	4.424	ug/l #	100
29) Tetrahydrofuran	7.19	42	50163	26.748	ug/l	99
30) Chloroform	7.35	83	49543	5.432	ug/l	97
31) Cyclohexane	7.64	56	55642	8.084	ug/l #	88
32) 1,1,1-Trichloroethane	7.55	97	39384	5.599	ug/l	99
36) 1,1-Dichloropropene	7.78	75	37849	6.322	ug/l	99
37) Ethyl Acetate	6.91	43	31544	5.313	ug/l	96
38) Carbon Tetrachloride	7.76	117	33166	5.640	ug/l	97

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
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 VSTDIC005

Manual Integrations
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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)
39) Methylcyclohexane	9.07	83	43975	6.799	ug/l	96
40) Benzene	8.03	78	111000	6.181	ug/l	99
41) Methacrylonitrile	7.16	41	13643m	4.864	ug/l	
42) 1,2-Dichloroethane	8.11	62	42969	5.811	ug/l	100
43) Isopropyl Acetate	8.15	43	57886	5.249	ug/l	98
44) Trichloroethene	8.82	130	26273	5.967	ug/l	93
45) 1,2-Dichloropropane	9.11	63	28344	5.423	ug/l	100
46) Dibromomethane	9.20	93	18507	5.777	ug/l	98
47) Bromodichloromethane	9.39	83	32219	4.886	ug/l	97
48) Methyl methacrylate	9.19	41	26631	5.326	ug/l	99
49) 1,4-Dioxane	9.19	88	6882	86.751	ug/l	91
51) 4-Methyl-2-Pentanone	9.98	43	156951	27.093	ug/l	98
52) Toluene	10.15	92	67017	5.997	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	32713	4.775	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	38592	5.089	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	24977	5.212	ug/l	98
56) Ethyl methacrylate	10.43	69	34417	4.943	ug/l	96
57) 1,3-Dichloropropane	10.71	76	45124	5.434	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	69981	21.960	ug/l	99
59) 2-Hexanone	10.75	43	111104	25.888	ug/l	99
60) Dibromochloromethane	10.90	129	19957	4.326	ug/l	100
61) 1,2-Dibromoethane	11.00	107	24396	5.383	ug/l	100
64) Tetrachloroethene	10.63	164	22543	6.449	ug/l	97
65) Chlorobenzene	11.43	112	69369	5.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	21283	4.872	ug/l	98
67) Ethyl Benzene	11.51	91	124155	5.873	ug/l	100
68) m/p-Xylenes	11.62	106	91682	11.500	ug/l	99
69) o-Xylene	11.95	106	44165	5.663	ug/l	100
70) Styrene	11.97	104	67808	5.102	ug/l	98
71) Bromoform	12.13	173	11978	4.355	ug/l #	100
73) Isopropylbenzene	12.25	105	115445	6.167	ug/l	99
74) N-amyl acetate	12.08	43	42442	5.484	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	33562	5.493	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	29407m	5.600	ug/l	
77) Bromobenzene	12.53	156	25988	5.567	ug/l	96
78) n-propylbenzene	12.60	91	128548	6.038	ug/l	98
79) 2-Chlorotoluene	12.68	91	77695	5.872	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	94201	5.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	7089	4.389	ug/l	86
82) 4-Chlorotoluene	12.78	91	77761	5.620	ug/l	99
83) tert-Butylbenzene	13.00	119	81312	5.834	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	93157	5.929	ug/l	97
85) sec-Butylbenzene	13.18	105	101927	5.593	ug/l	97
86) p-Isopropyltoluene	13.30	119	90437	5.594	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	44988	5.314	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	46752	5.425	ug/l	91
89) n-Butylbenzene	13.62	91	79933	5.288	ug/l	99
90) Hexachloroethane	13.88	117	11916	4.761	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	45573	5.413	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	5306	4.834	ug/l	90

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MSVOA_N
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VSTDICC005

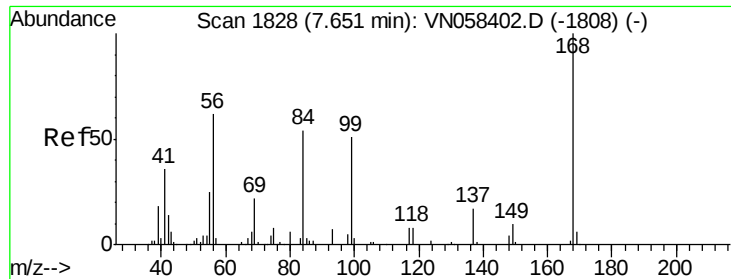
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	21298	4.021	ug/l	95
94) Hexachlorobutadiene	15.02	225	12610	4.917	ug/l	98
95) Naphthalene	15.14	128	49678	3.627	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	18613	3.741	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 460224

Ion Ratio Lower Upper

168 100

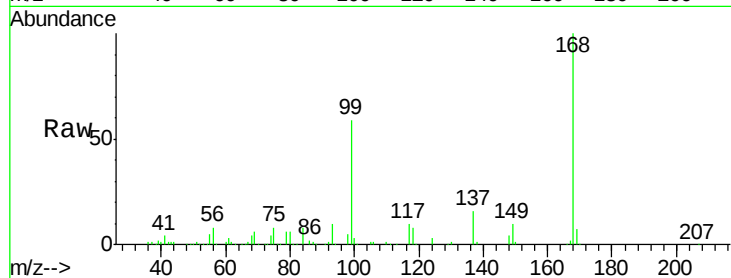
99 58.6 47.7 71.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

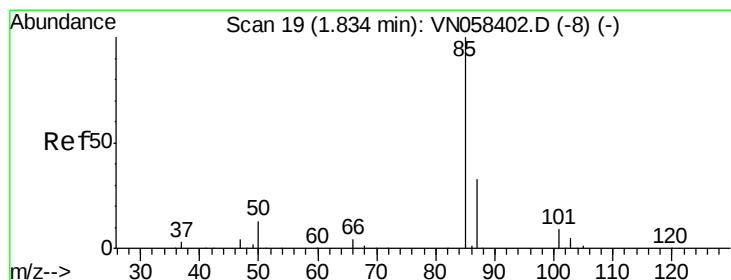
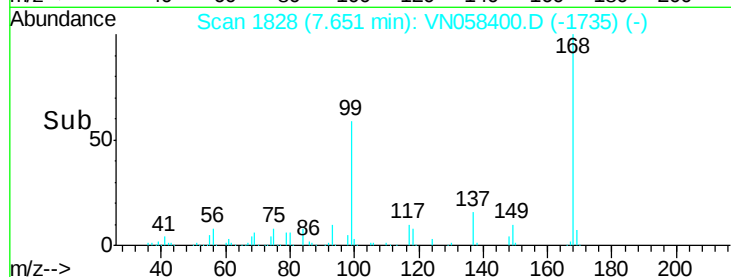
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 6.374 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058400.D

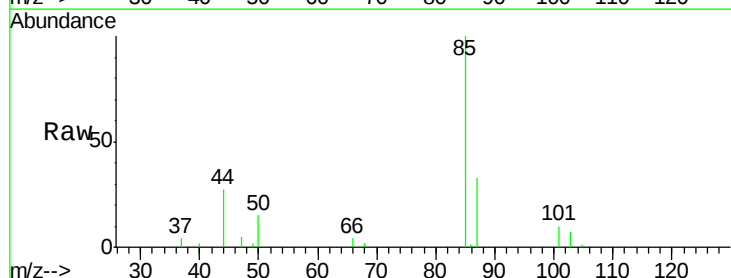
Acq: 27 Sep 2019 11:33

Tgt Ion: 85 Resp: 25852

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

20000

15000

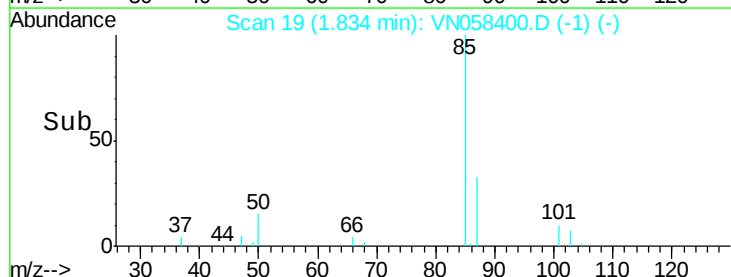
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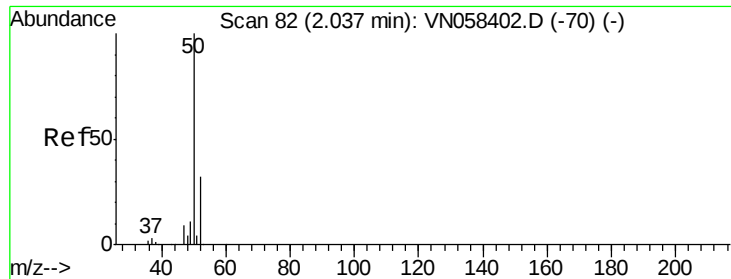
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 6.988 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 27588

Ion Ratio Lower Upper

50 100

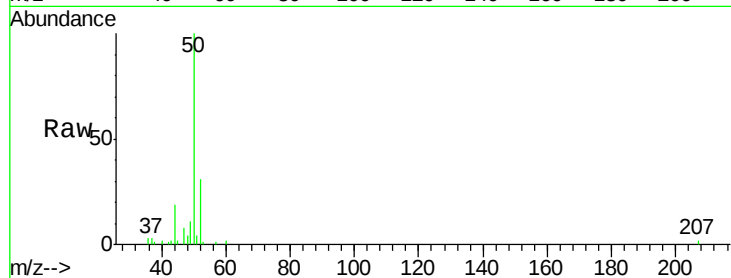
52 31.5 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

20000

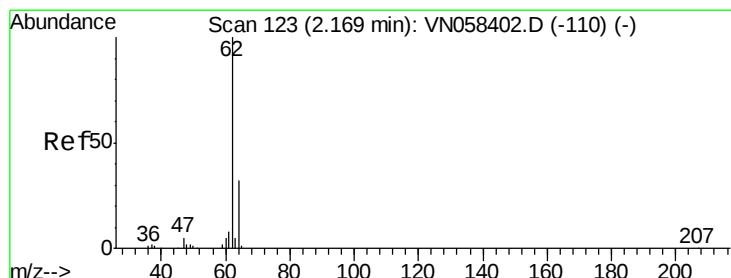
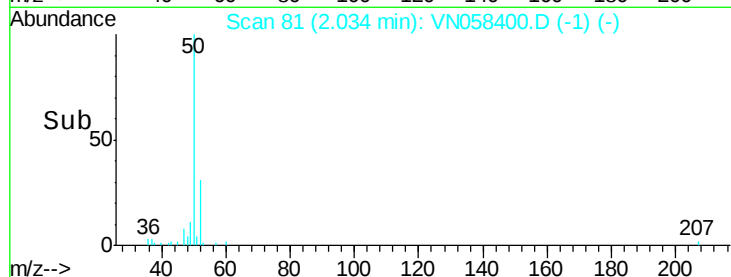
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 6.881 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058400.D

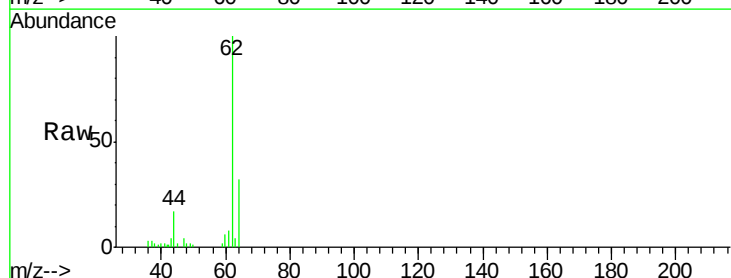
Acq: 27 Sep 2019 11:33

Tgt Ion: 62 Resp: 27776

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

20000

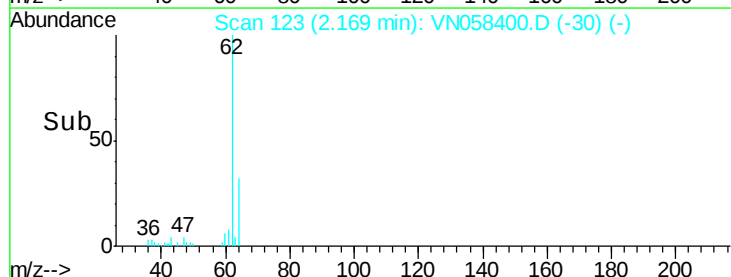
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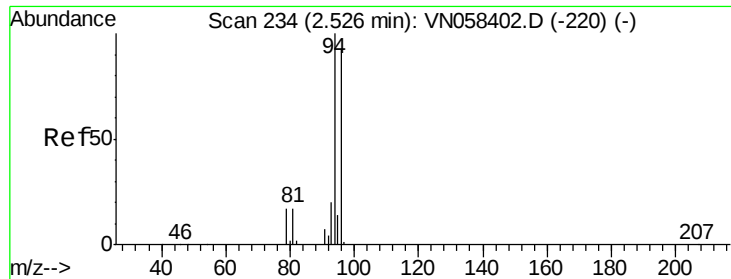
10000

5000

0

Time-->





#5

Bromomethane

Concen: 7.309 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 15063

Ion Ratio Lower Upper

94 100

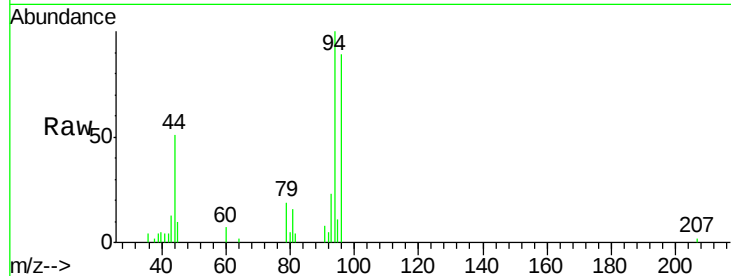
96 88.8 74.8 112.2

Manual Integrations

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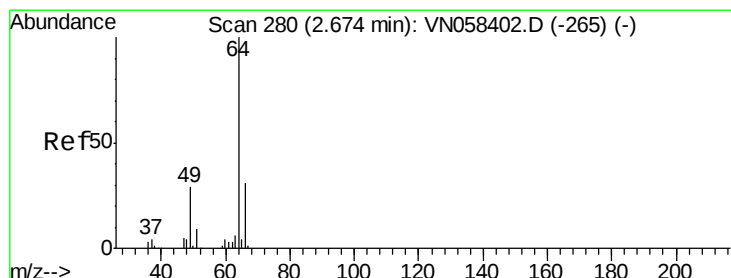
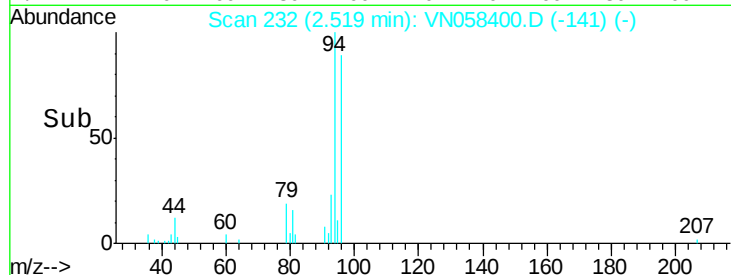
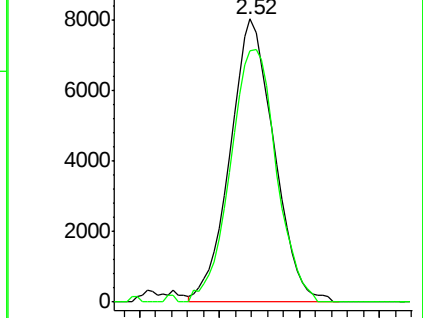
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 6.653 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN058400.D

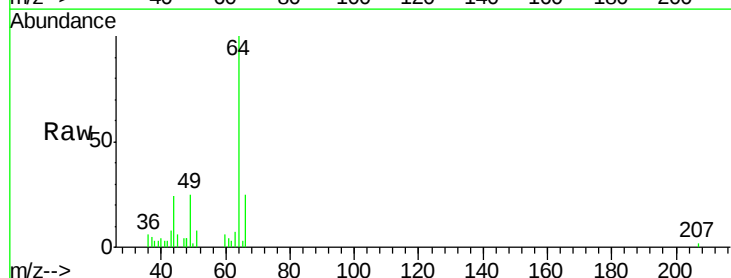
Acq: 27 Sep 2019 11:33

Tgt Ion: 64 Resp: 17399

Ion Ratio Lower Upper

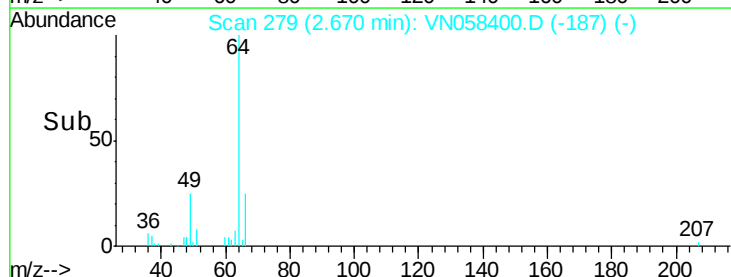
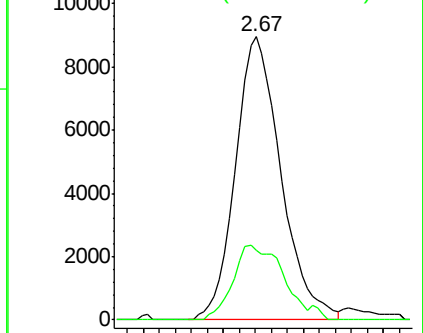
64 100

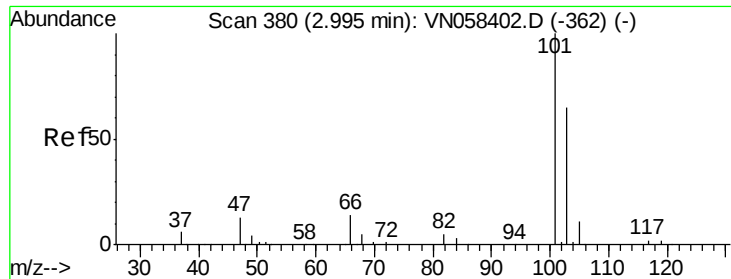
66 24.8 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

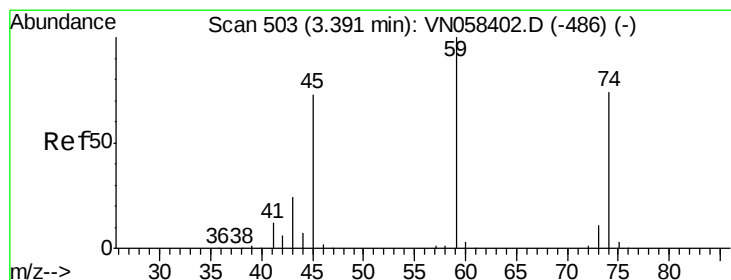
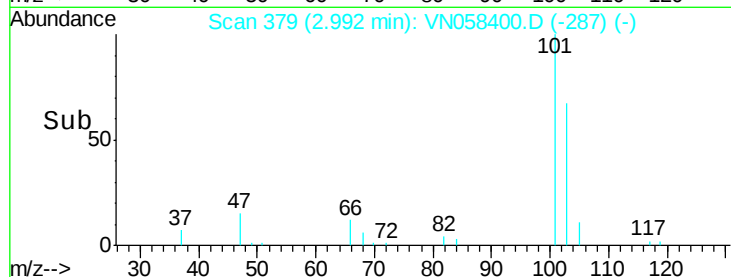
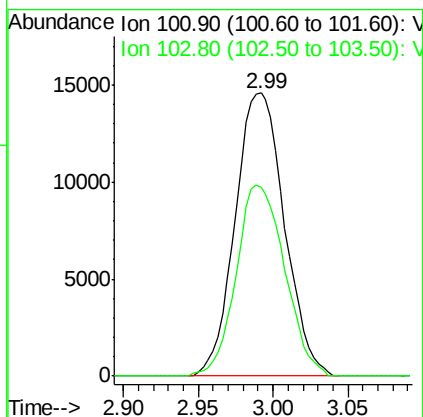
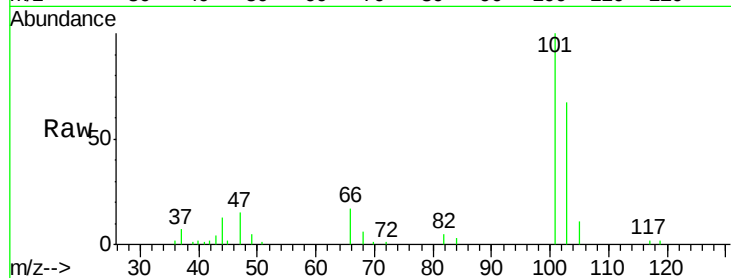
Trichlorofluoromethane
Concen: 6.063 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 33382
Ion Ratio Lower Upper
101 100
103 66.9 52.3 78.5

Manual Integrations
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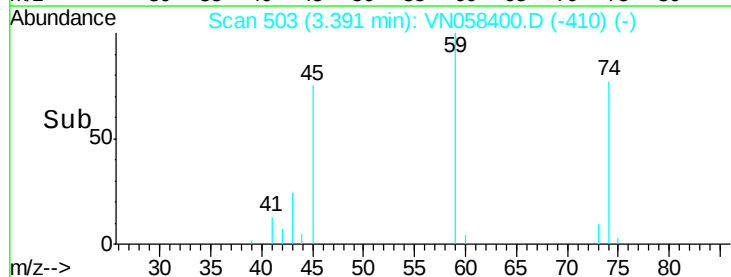
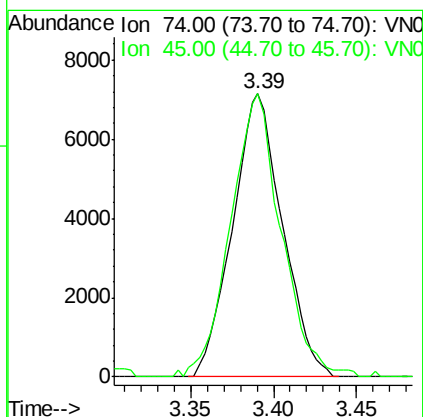
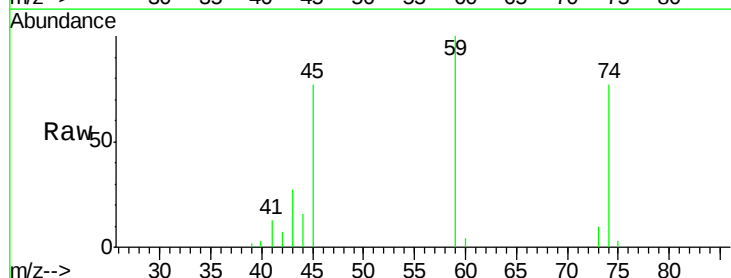
MMDadoda
9/30/2019 10:18:29 AM

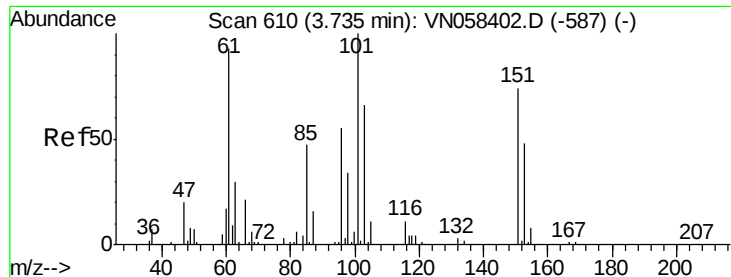


#8

Diethyl Ether
Concen: 6.023 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 74 Resp: 14899
Ion Ratio Lower Upper
74 100
45 101.7 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.838 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

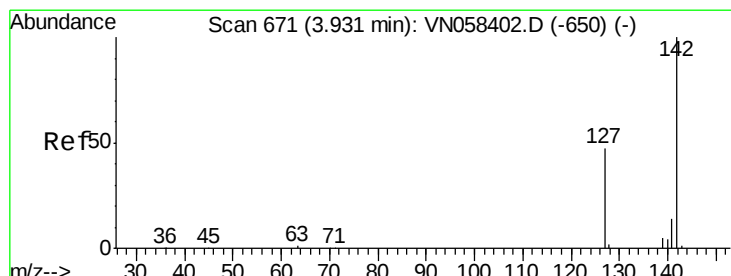
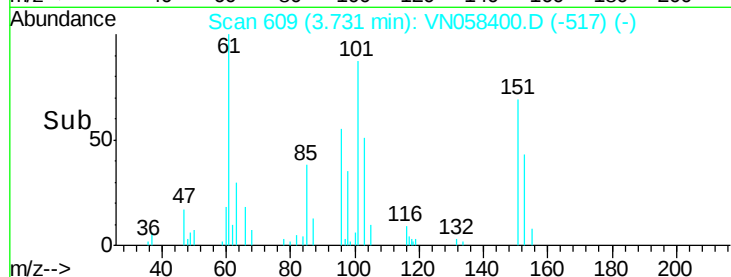
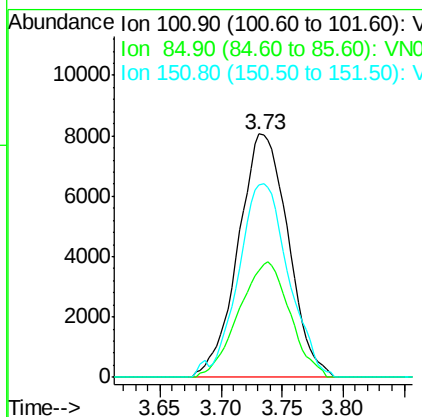
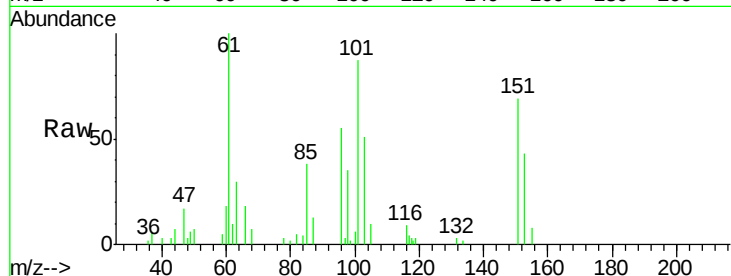
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	22831
Ion Ratio	Lower	Upper	
101	100		
85	48.4	36.7	55.1
151	79.0	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 5.615 ug/l

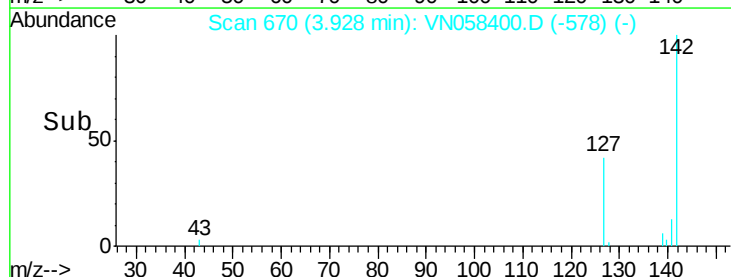
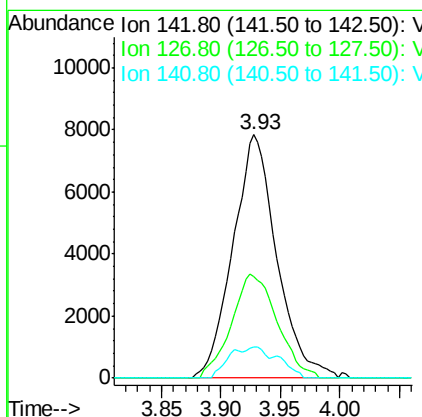
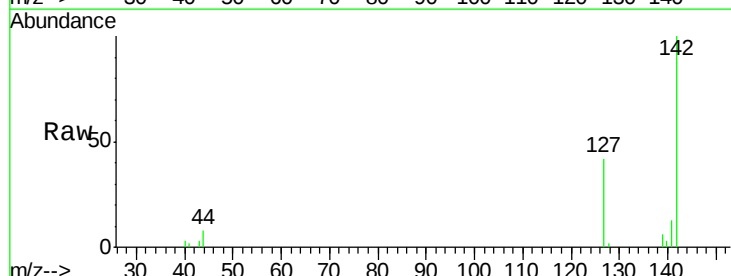
RT: 3.93 min Scan# 670

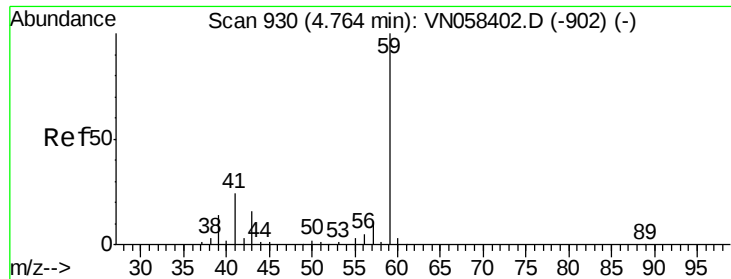
Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion:	142	Resp:	20000
Ion Ratio	Lower	Upper	
142	100		
127	44.6	37.2	55.8
141	4.9	11.3	16.9#





#11

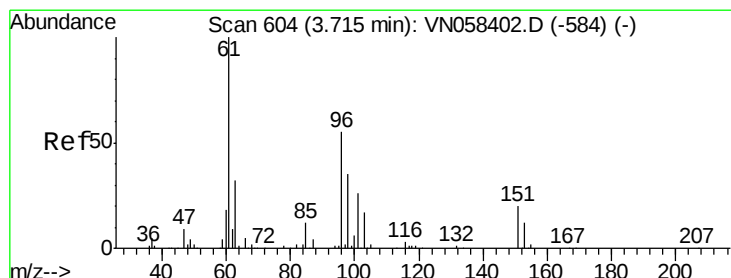
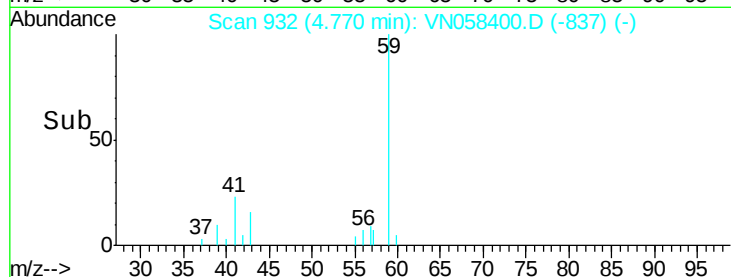
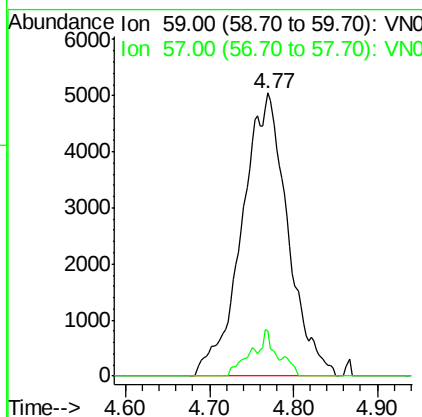
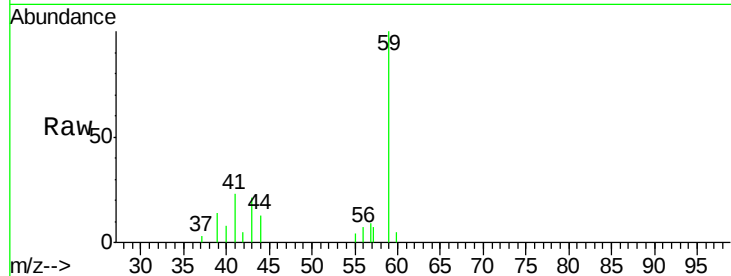
Tert butyl alcohol
 Concen: 25.167 ug/l m
 RT: 4.77 min Scan# 932
 Delta R.T. 0.01 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.4	9.0	13.4#

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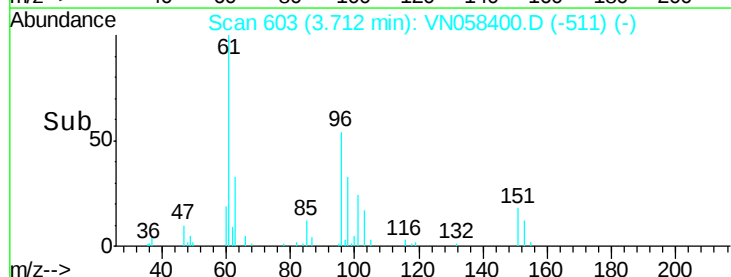
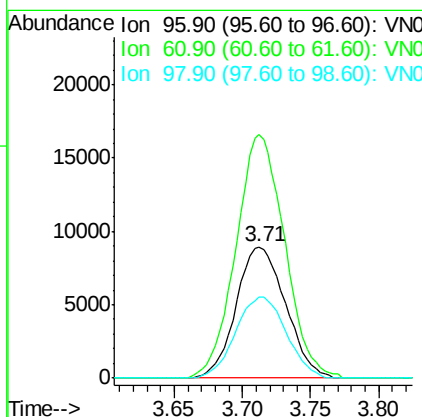
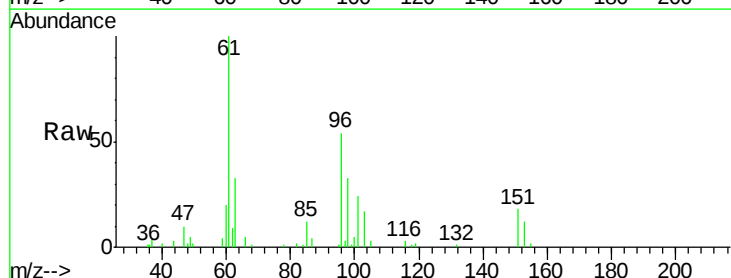
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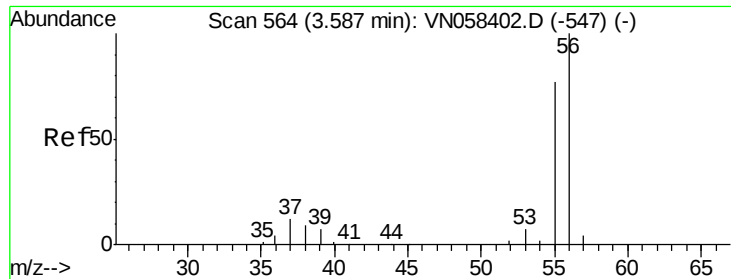


#12

1,1-Dichloroethene
 Concen: 6.550 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.7	146.7	220.1
98	61.4	51.3	76.9





#13

Acrolein

Concen: 42.907 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC005

Tot Ion: 56 Resp: 5729

Ion Ratio Lower Upper

56 100

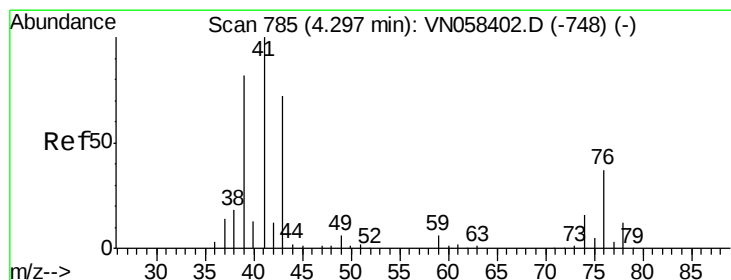
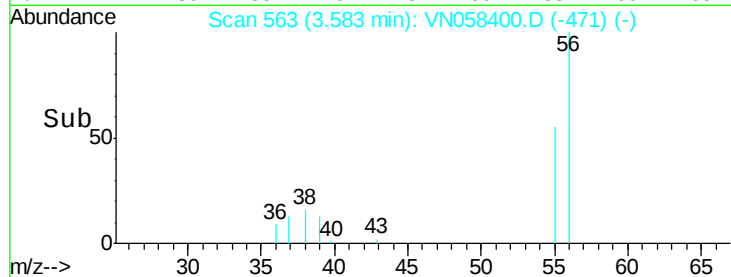
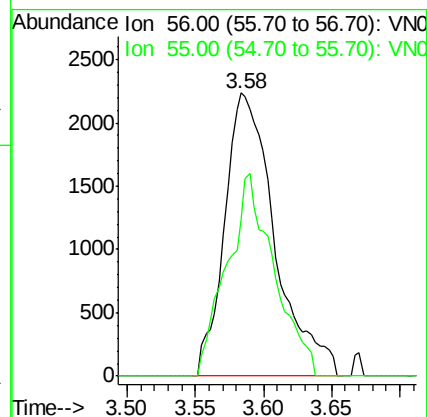
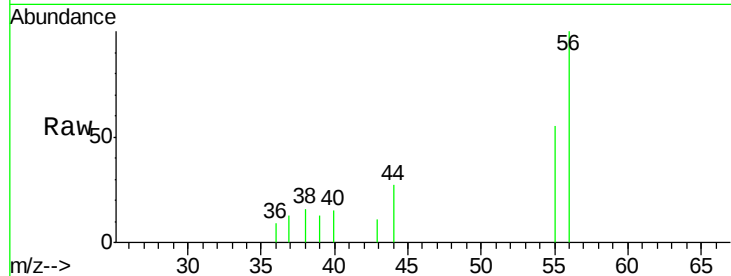
55 66.7 58.3 87.5

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#14

Allyl chloride

Concen: 5.957 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

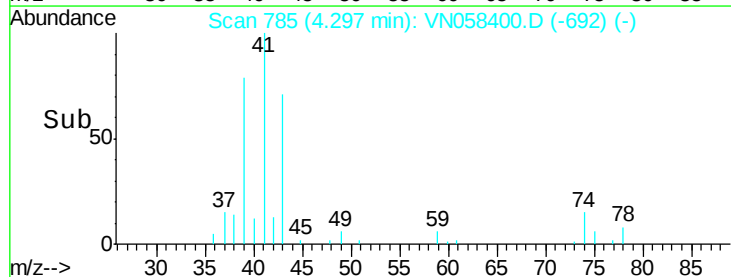
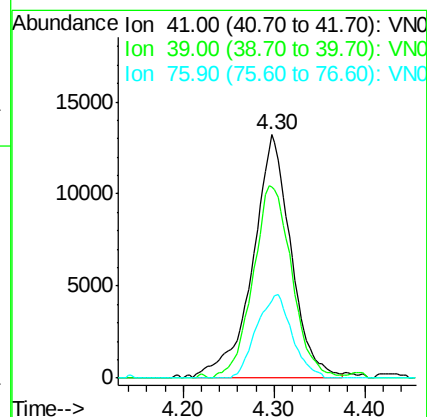
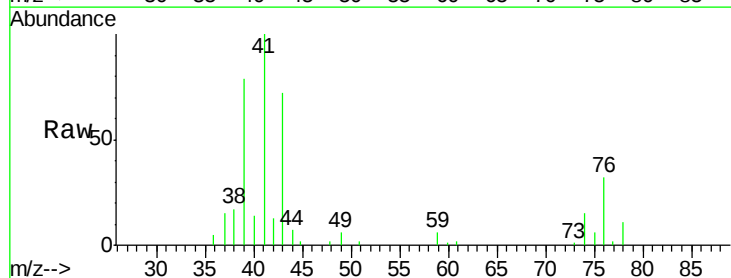
Tgt Ion: 41 Resp: 38623

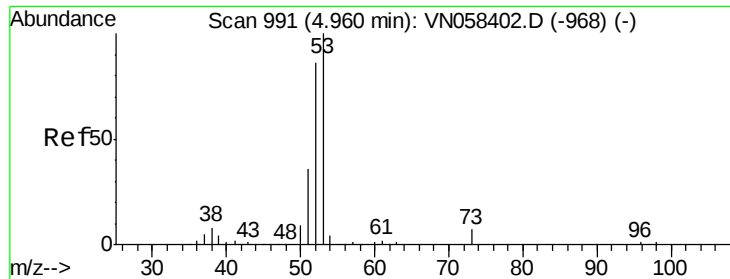
Ion Ratio Lower Upper

41 100

39 80.3 62.3 93.5

76 32.0 26.9 40.3





#15

Acrylonitrile

Concen: 26.296 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

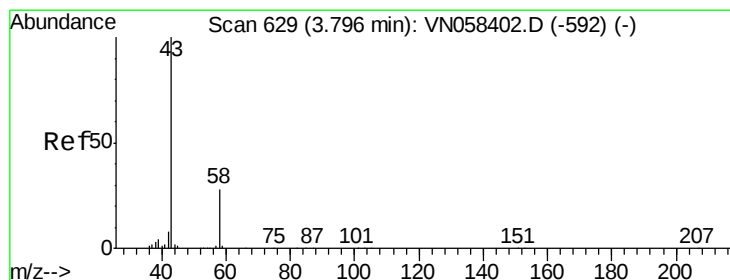
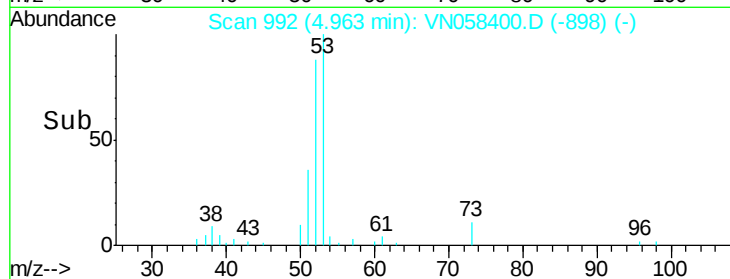
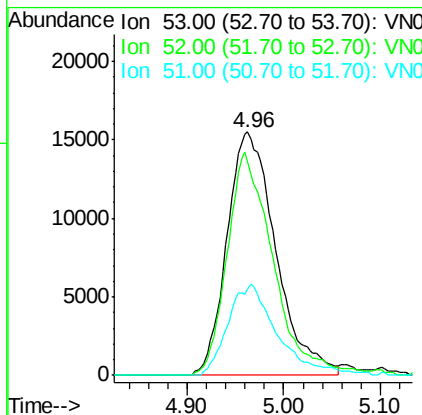
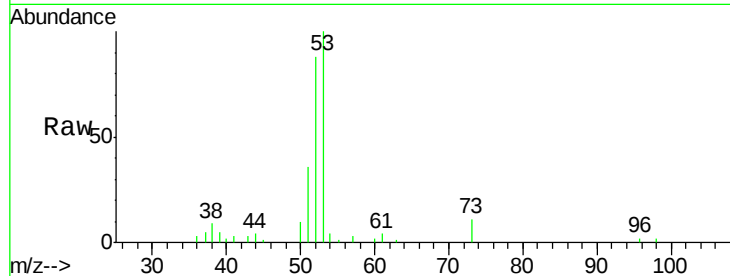
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	54356
Ion	Ratio	Lower	Upper
53	100		
52	86.5	66.6	100.0
51	37.7	29.8	44.8

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#16

Acetone

Concen: 26.541 ug/l

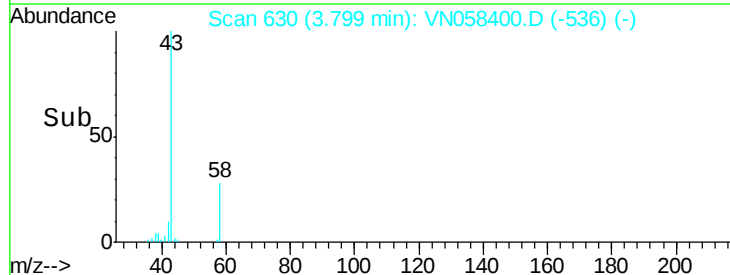
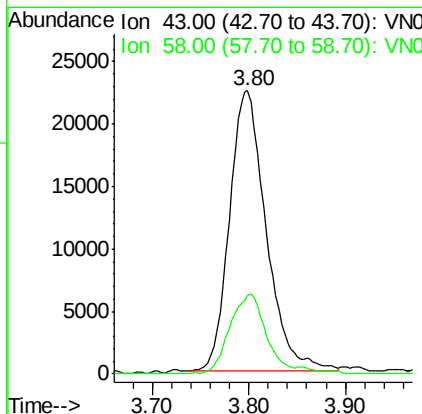
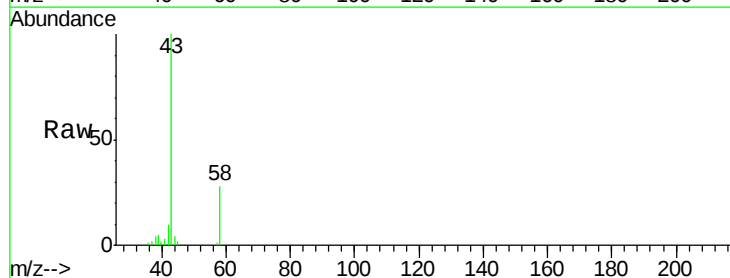
RT: 3.80 min Scan# 630

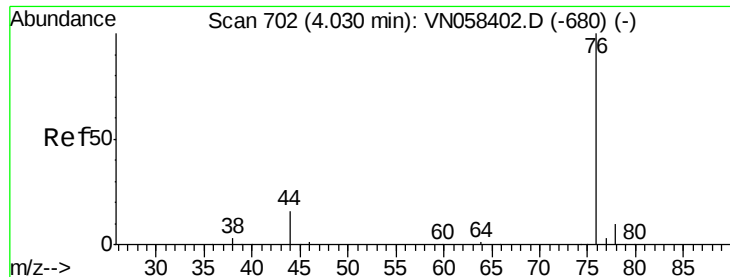
Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion:	43	Resp:	59184
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.4	33.6





#17

Carbon Disulfide

Concen: 8.635 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 53534

Ion Ratio Lower Upper

76 100

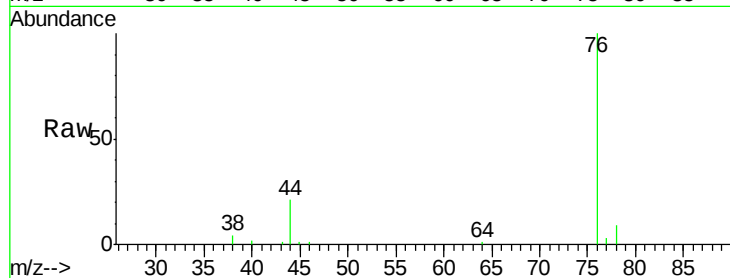
78 9.2 7.7 11.5

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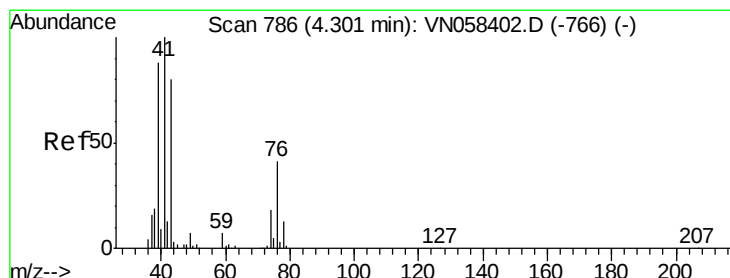
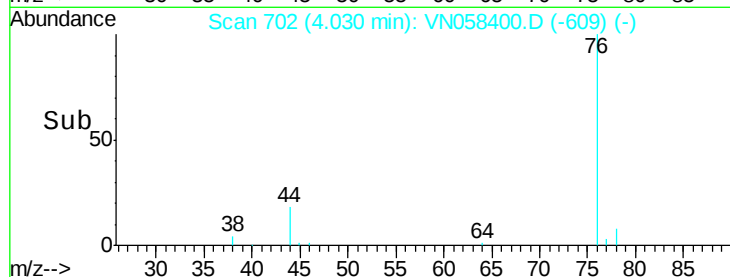
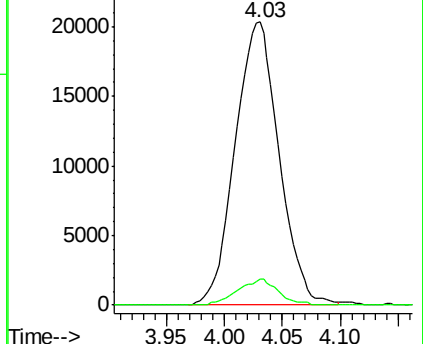
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 5.074 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058400.D

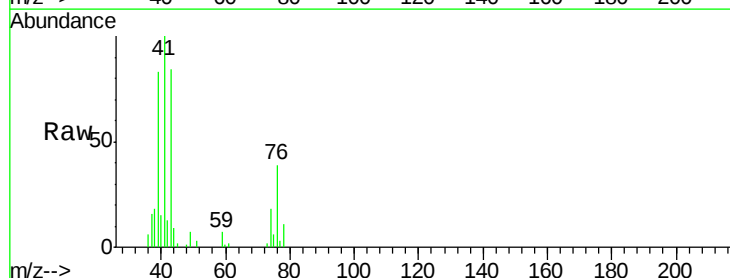
Acq: 27 Sep 2019 11:33

Tgt Ion: 43 Resp: 29250

Ion Ratio Lower Upper

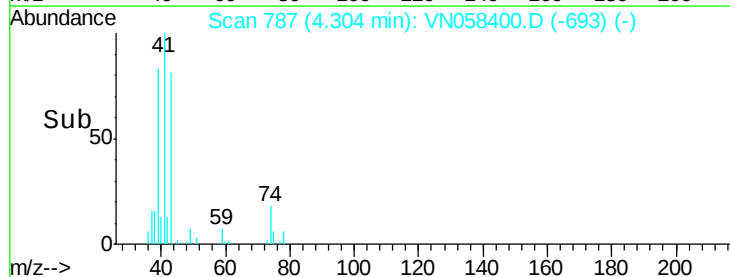
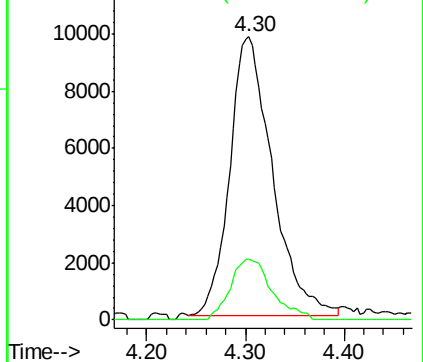
43 100

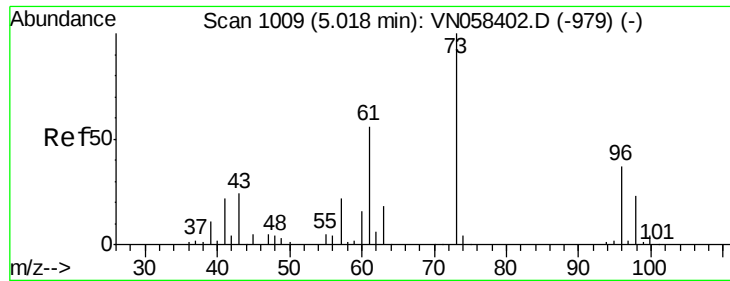
74 21.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





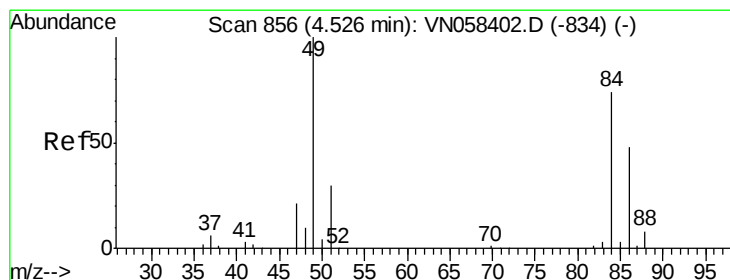
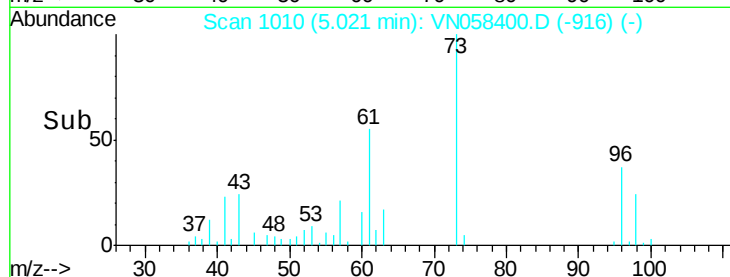
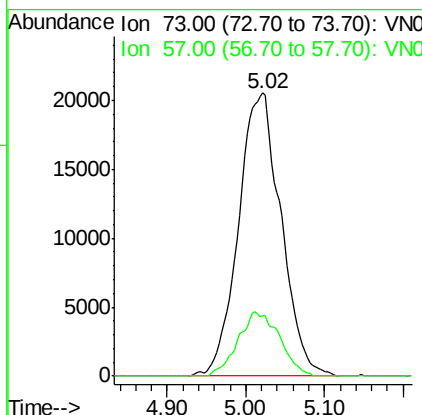
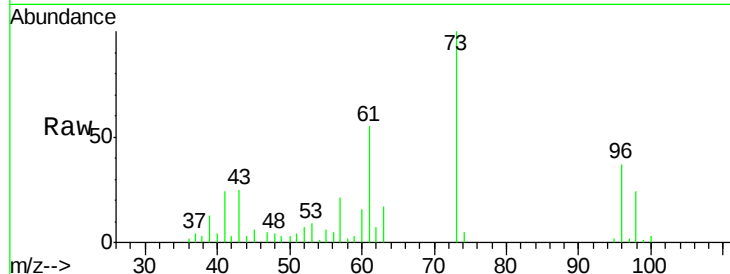
#19
Methvl tert-butvl Ether
Concen: 5.437 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 78149
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

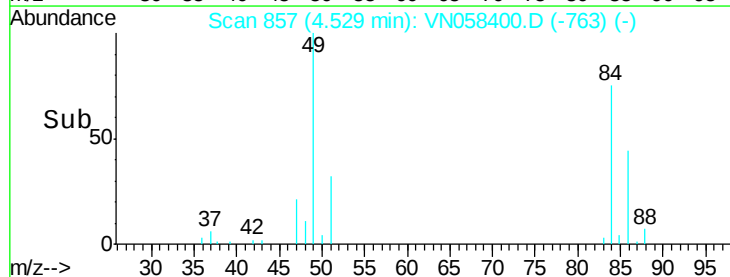
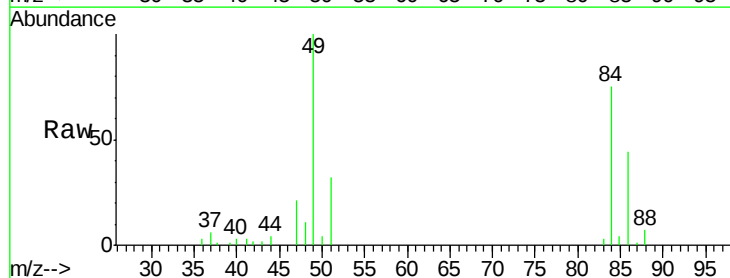
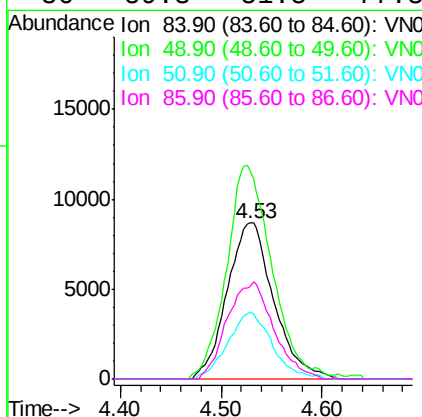
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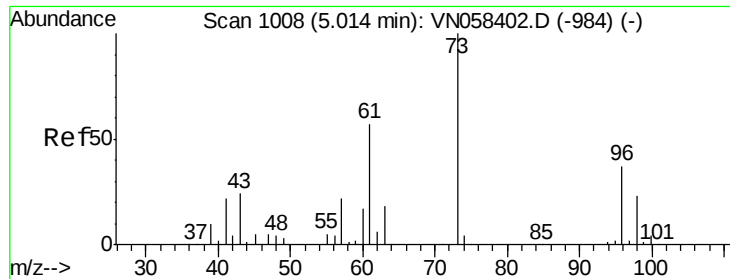
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#20
Methylene Chloride
Concen: 6.222 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 84 Resp: 27784
Ion Ratio Lower Upper
84 100
49 134.1 107.9 161.9
51 43.0 32.8 49.2
86 59.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 6.663 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 24813

Ion Ratio Lower Upper

96 100

61 148.7 121.9 182.9

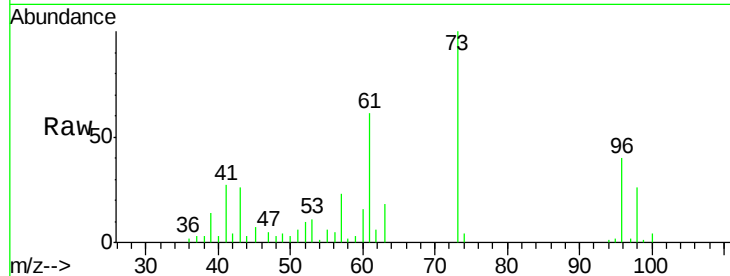
98 65.7 49.3 73.9

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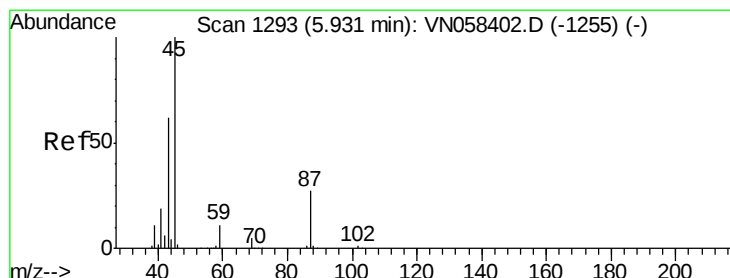
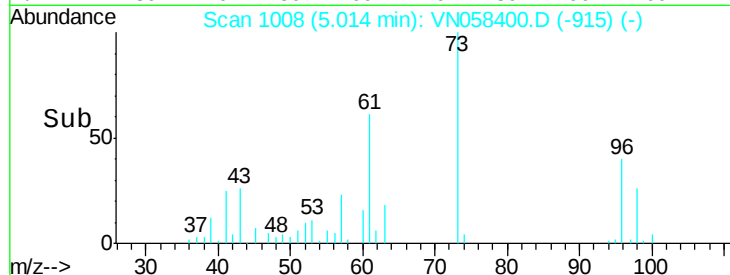
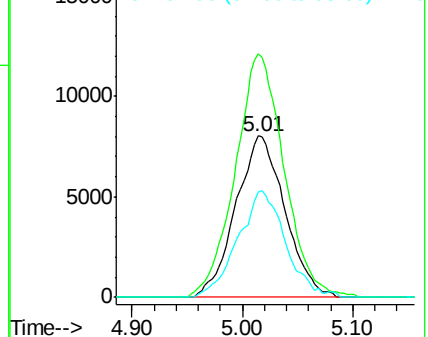


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 5.323 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion: 45 Resp: 84176

Ion Ratio Lower Upper

45 100

43 79.9 49.7 74.5#

87 24.7 21.5 32.3

59 12.2 8.9 13.3

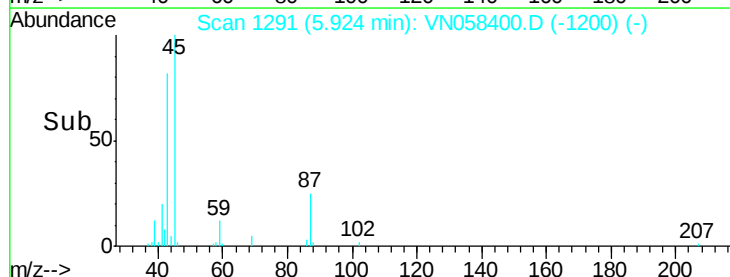
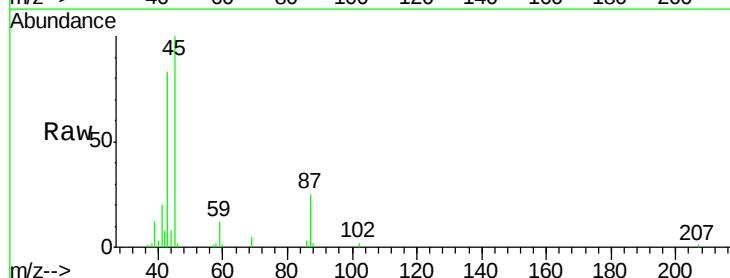
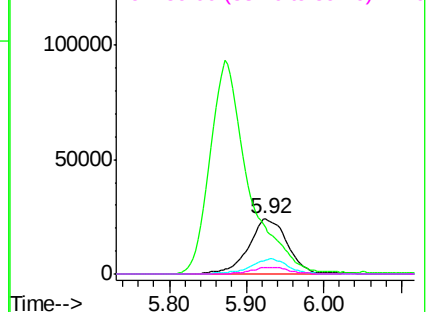
Abundance

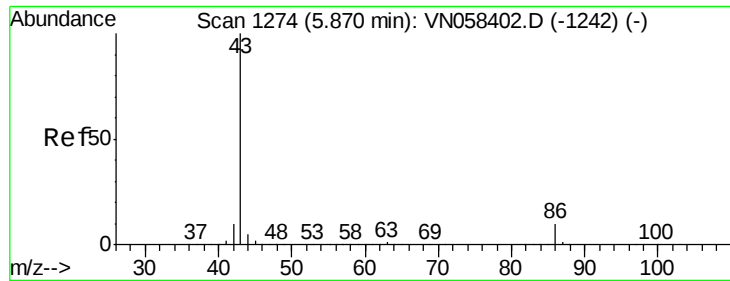
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





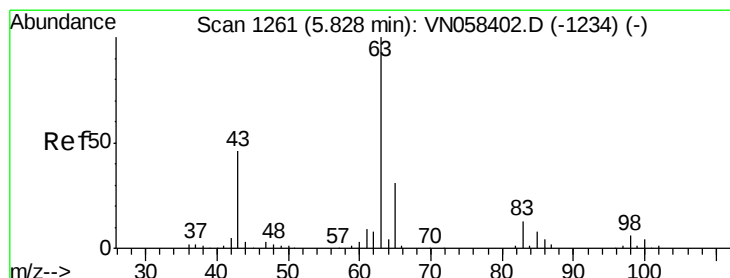
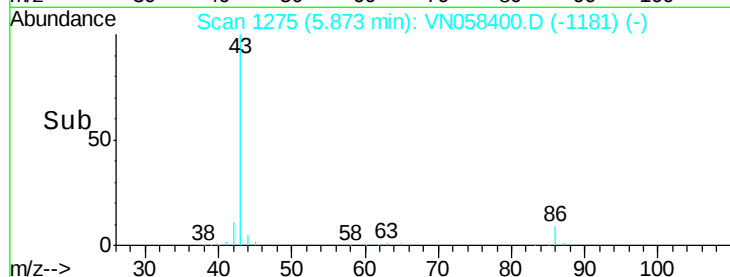
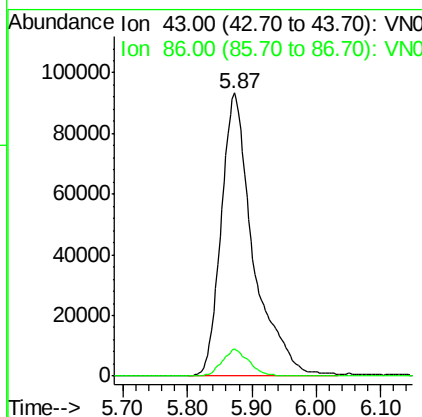
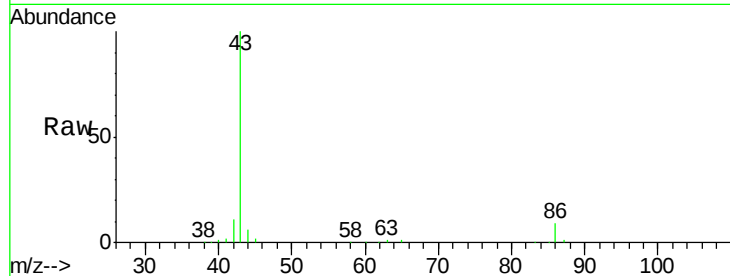
#23
 Vinyl Acetate
 Concen: 29.131 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43.00	Resp	323933
Ion Ratio	43	100	
Lower	7.7		
Upper	11.5		

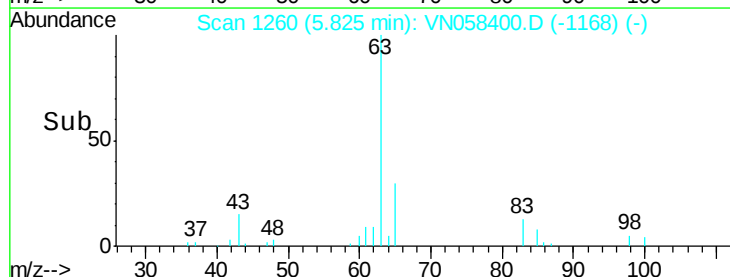
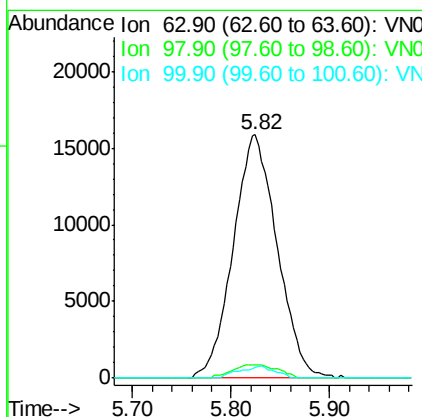
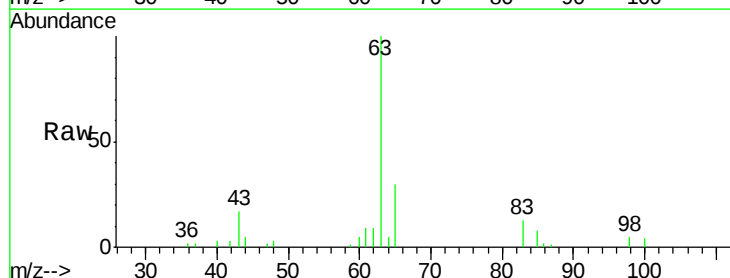
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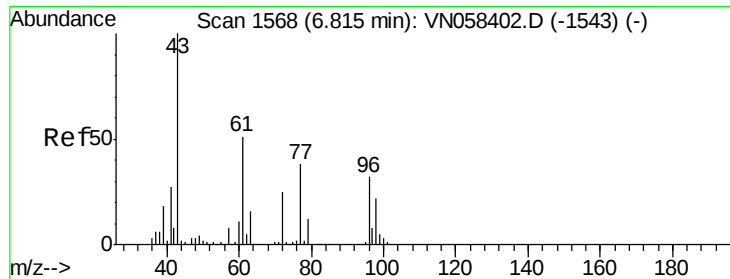
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#24
 1,1-Dichloroethane
 Concen: 5.711 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion	63	Resp	49008
Ion Ratio	63	100	
Lower	3.0		
Upper	9.0		
Lower	2.0		
Upper	5.8		





#25

2-Butanone

Concen: 26.388 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 79512

Ion Ratio Lower Upper

43 100

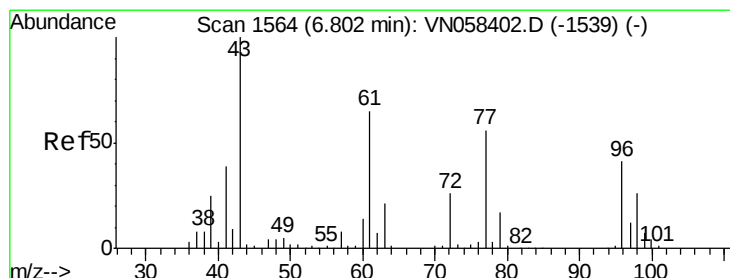
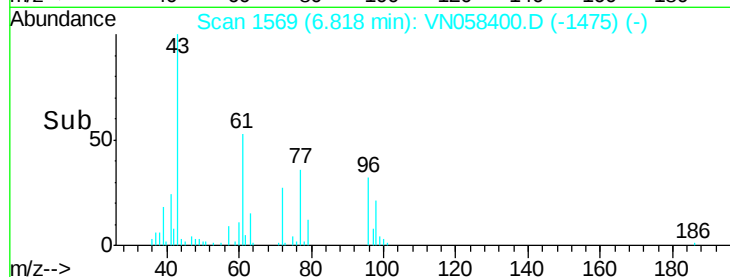
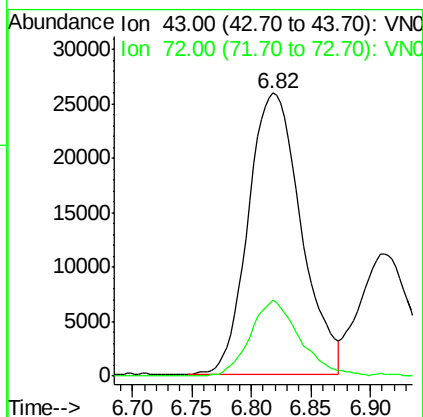
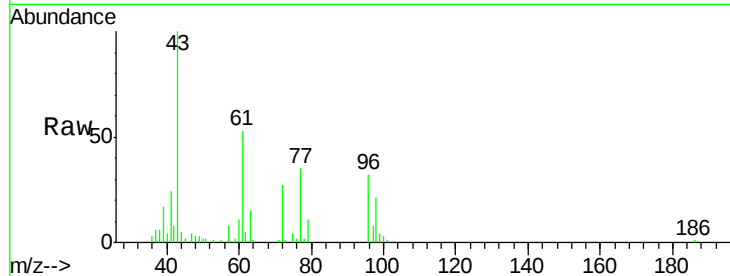
72 27.0 20.2 30.4

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#26

2,2-Dichloropropane

Concen: 5.319 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058400.D

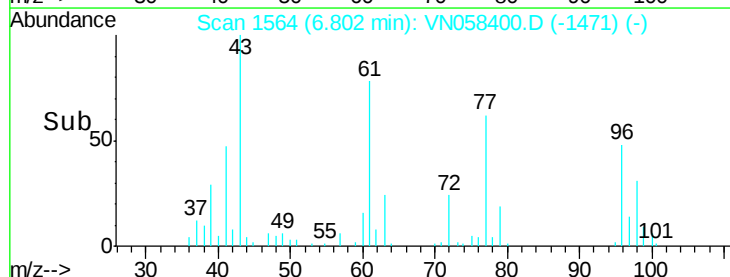
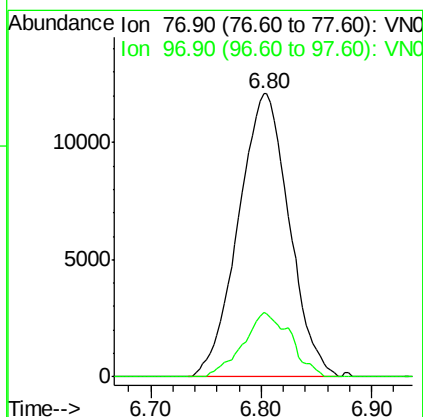
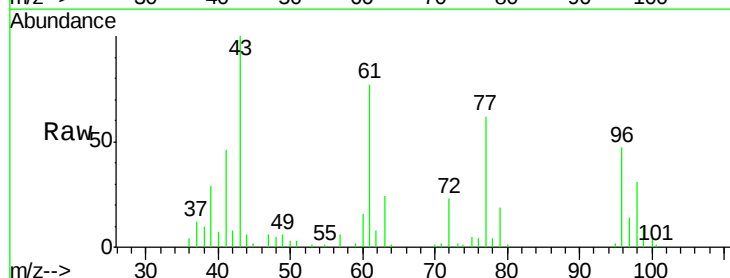
Acq: 27 Sep 2019 11:33

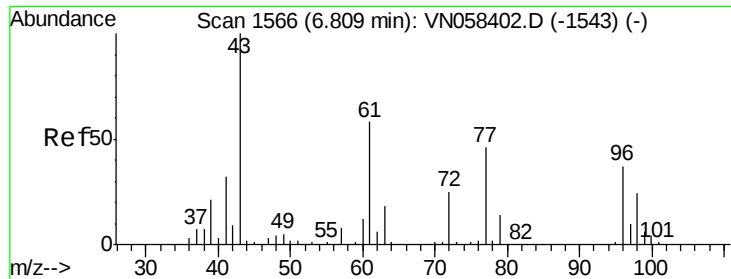
Tgt Ion: 77 Resp: 38606

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.6





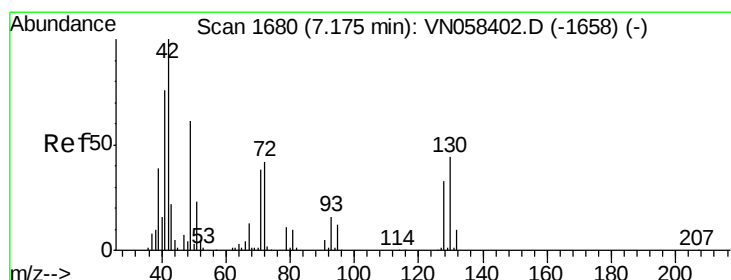
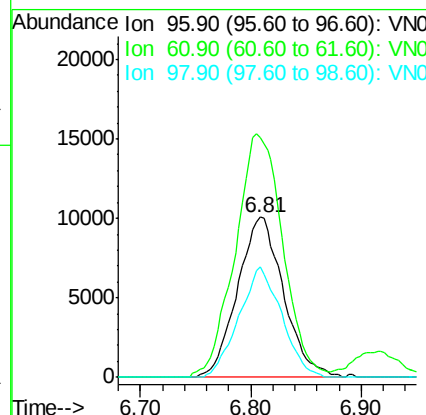
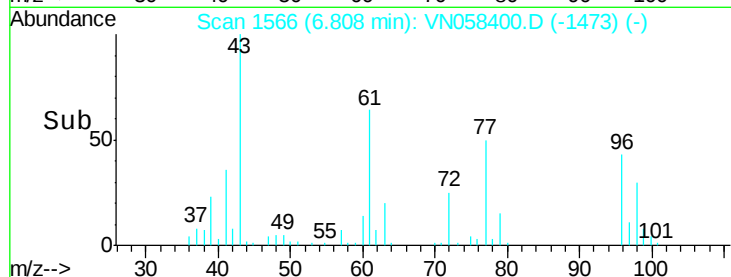
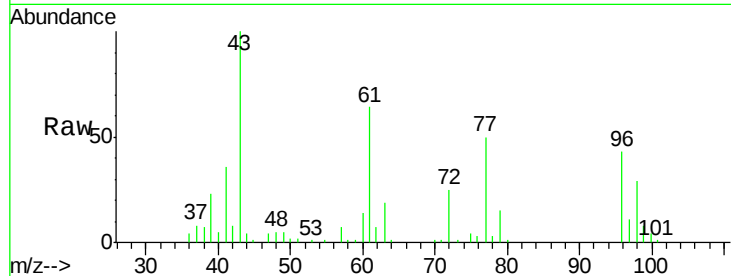
#27
 cis-1,2-Dichloroethene
 Concen: 5.963 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	318.8
98	63.9	0.0	129.8

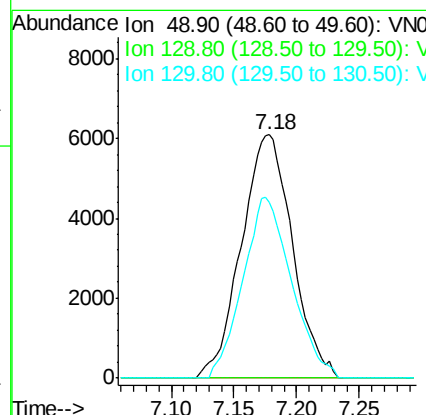
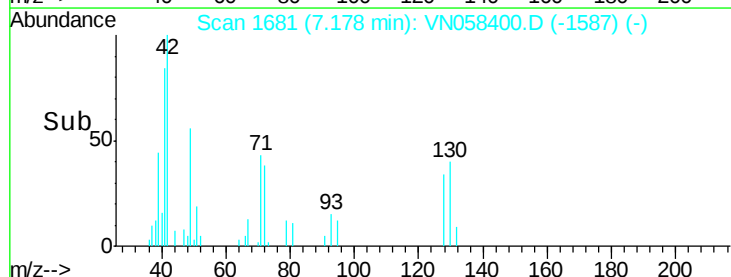
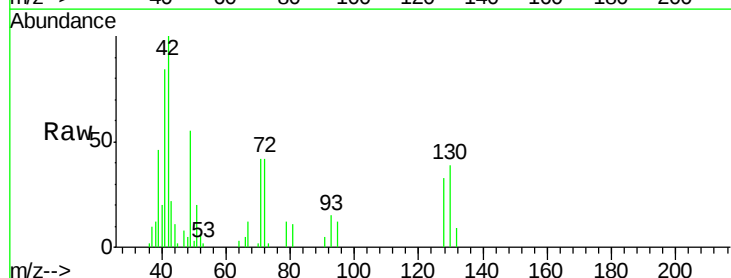
Manual Integrations
 APPROVED

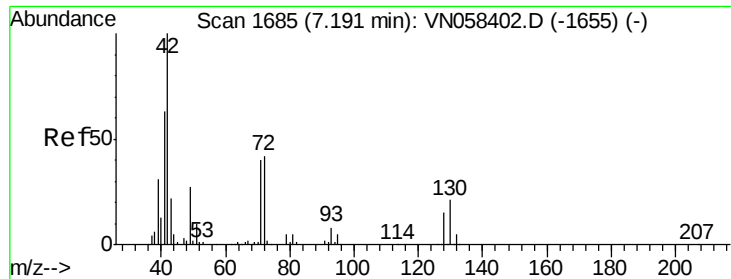
MMDadoda
 9/30/2019 10:18:29 AM



#28
 Bromochloromethane
 Concen: 4.424 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	70.7	56.3	84.5





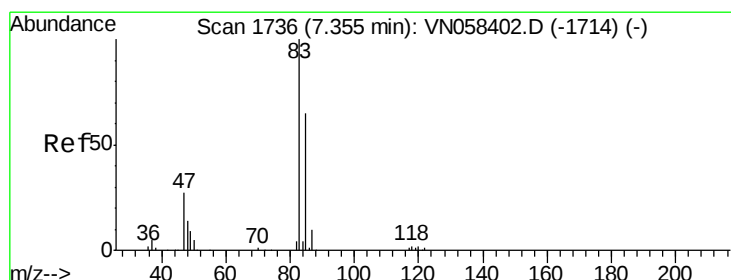
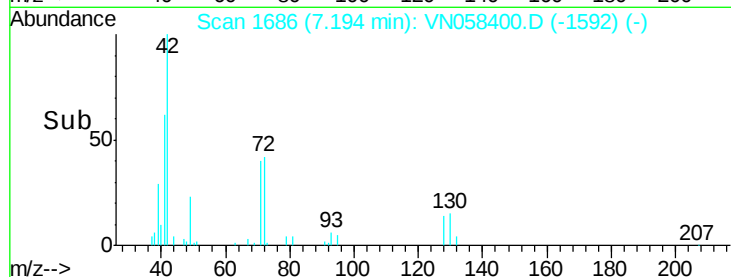
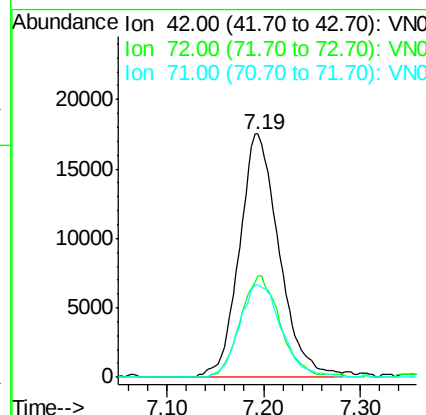
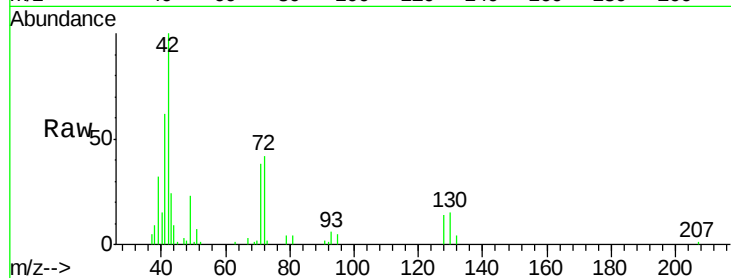
#29
Tetrahydrofuran
Concen: 26.748 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	40.2	31.8	47.6

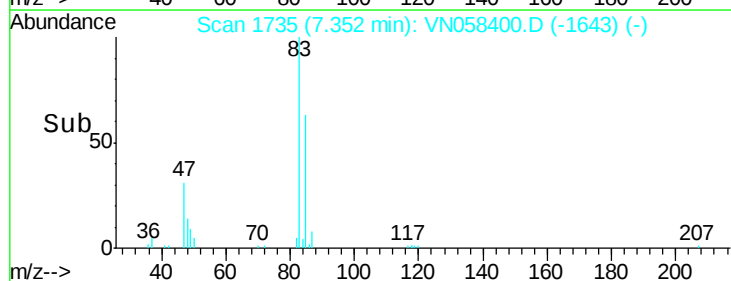
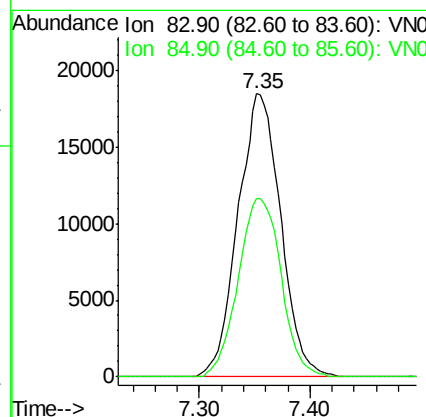
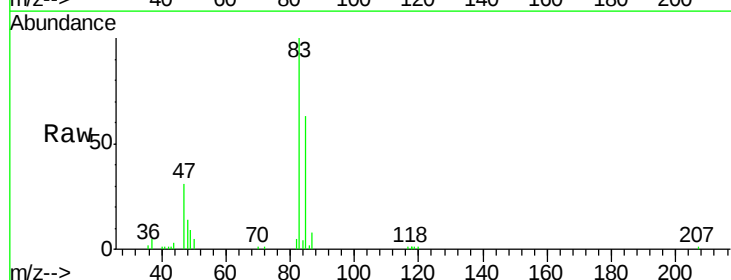
Manual Integrations
APPROVED

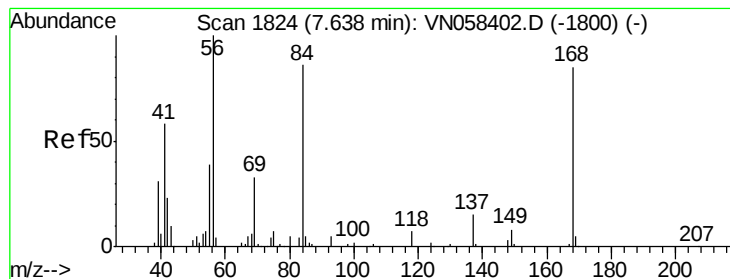
MMDadoda
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#30
Chloroform
Concen: 5.432 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.0	78.0





#31

Cyclohexane

Concen: 8.084 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

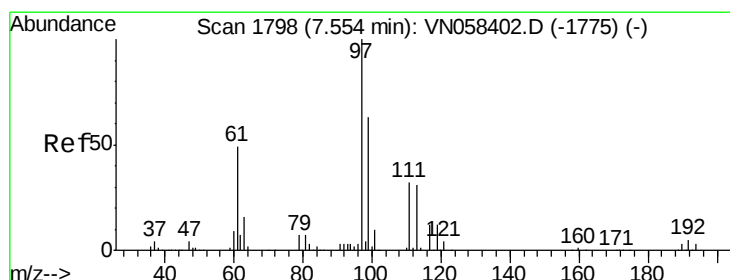
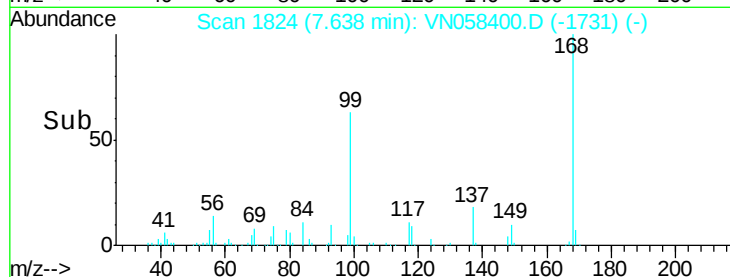
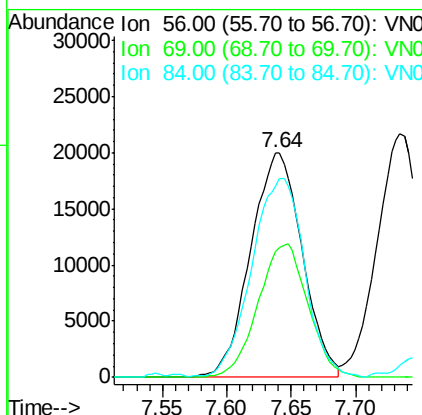
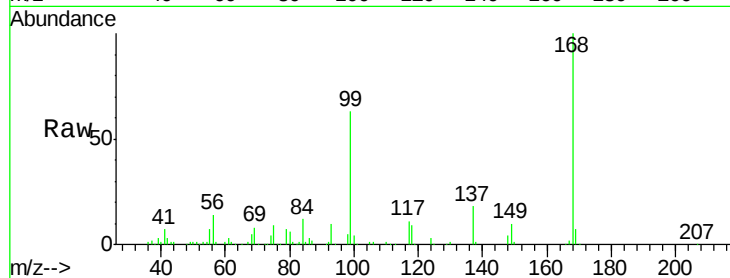
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	55642
Ion Ratio	Lower	Upper	
56	100		
69	56.0	26.2	39.4#
84	85.1	67.6	101.4

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#32

1,1,1-Trichloroethane

Concen: 5.599 ug/l

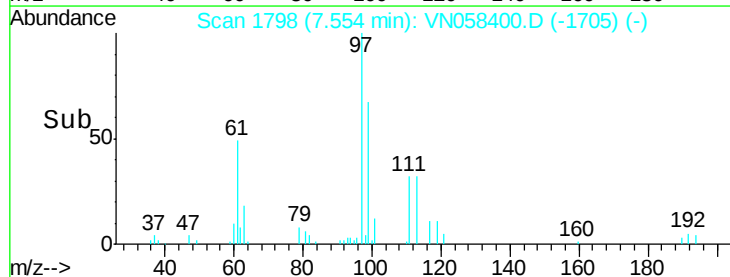
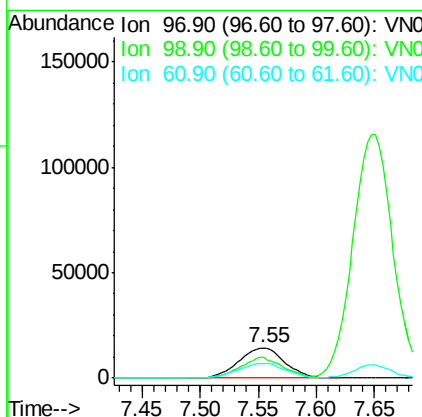
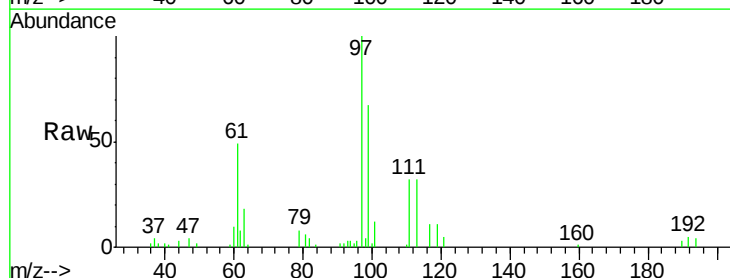
RT: 7.55 min Scan# 1798

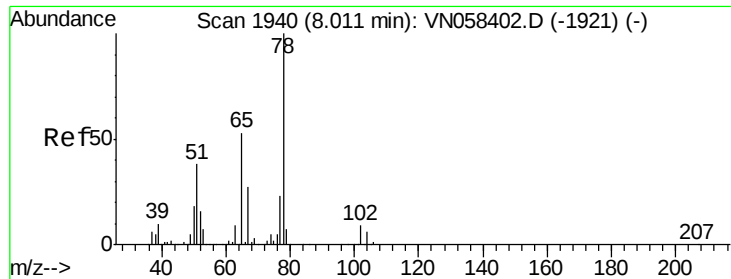
Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion:	97	Resp:	39384
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.1	76.7
61	50.9	39.2	58.8





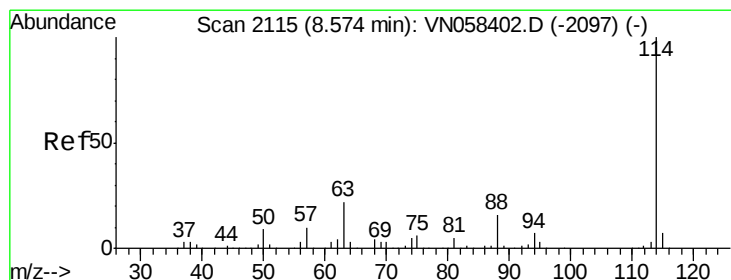
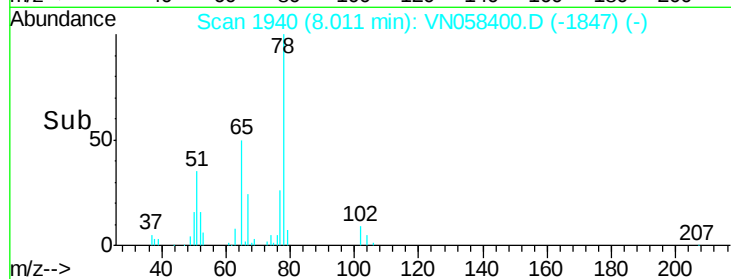
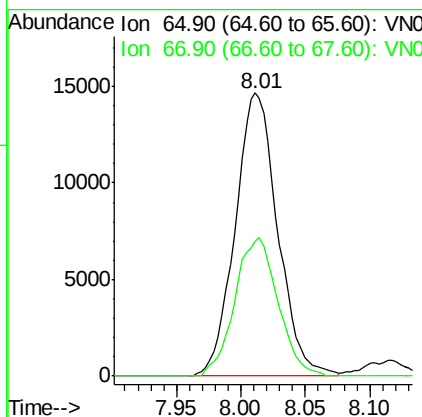
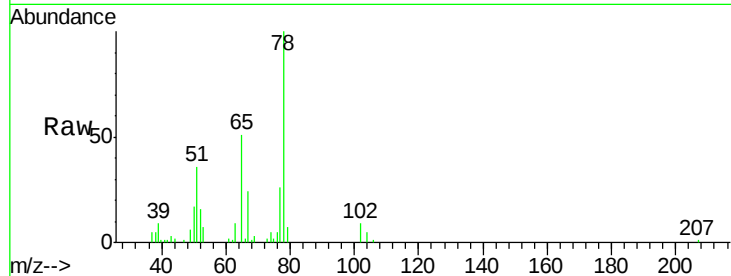
#33
 1,2-Dichloroethane-d4
 Concen: 5.186 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	102.4

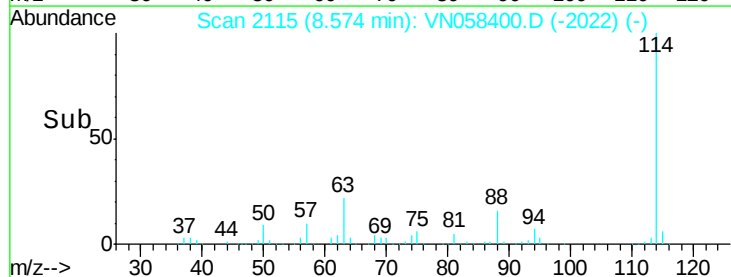
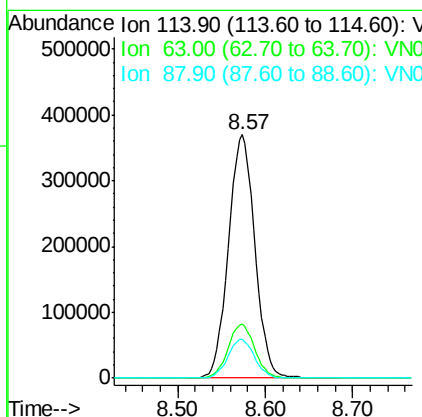
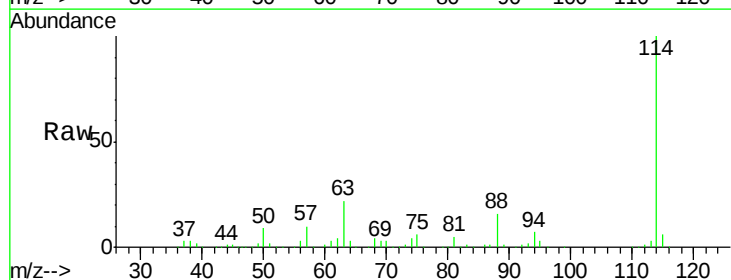
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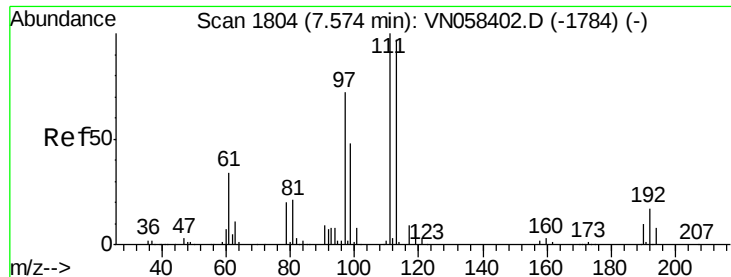
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	45.0
88	15.9	0.0	32.2





#35

Dibromofluoromethane

Concen: 4.650 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

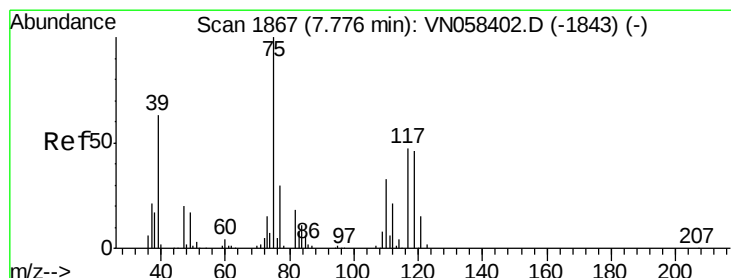
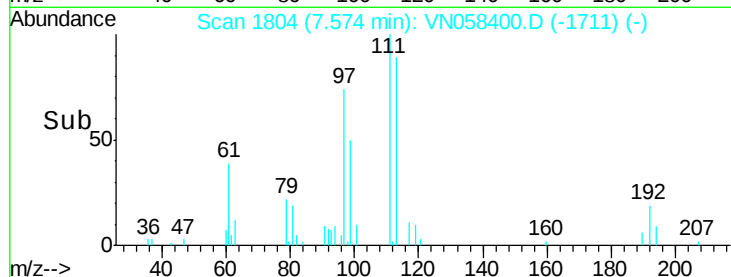
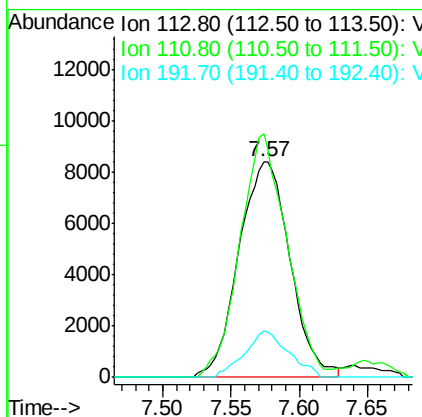
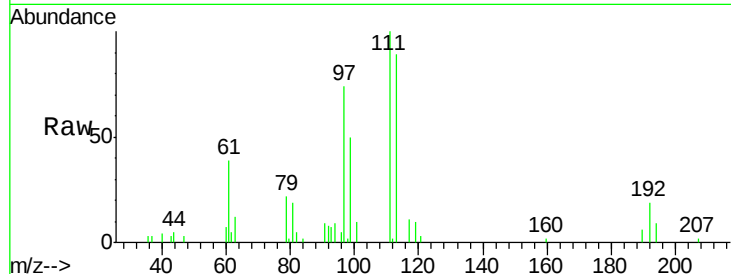
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	21924
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.2
192	18.4	14.9	22.3

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#36

1,1-Dichloropropene

Concen: 6.322 ug/l

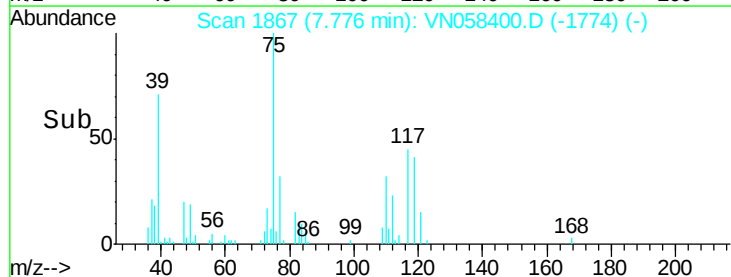
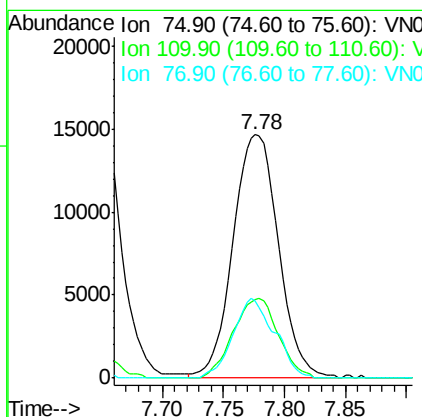
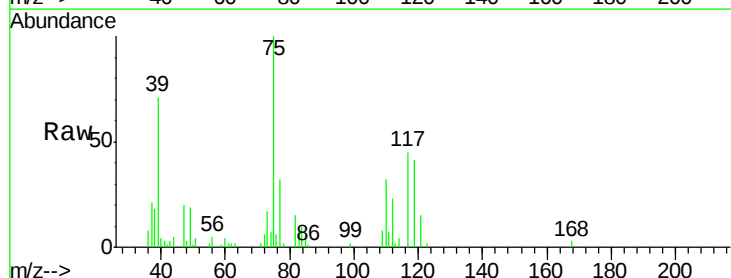
RT: 7.78 min Scan# 1867

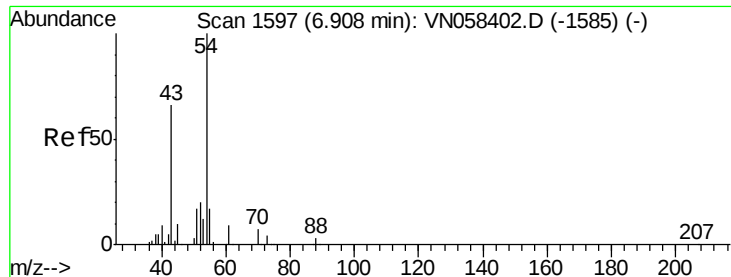
Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion:	75	Resp:	37849
Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.4	49.2
77	30.0	24.3	36.5





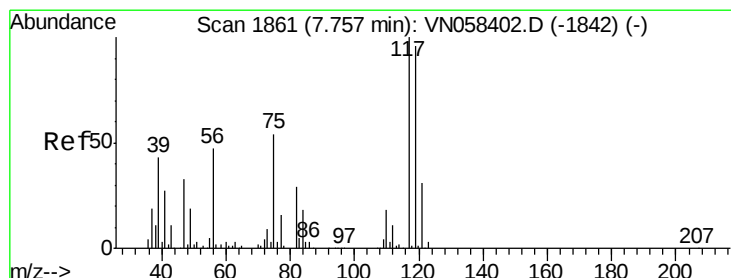
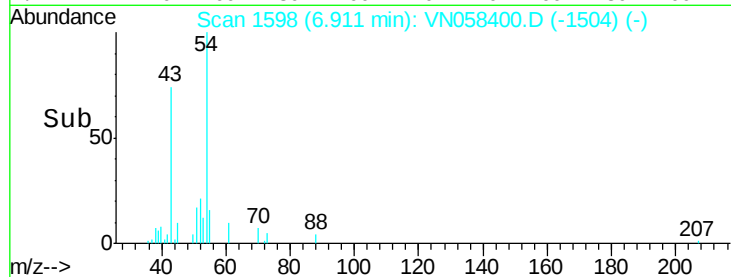
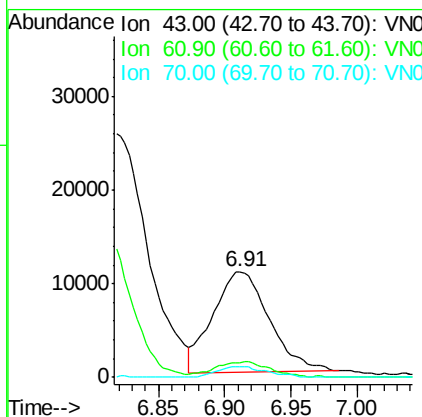
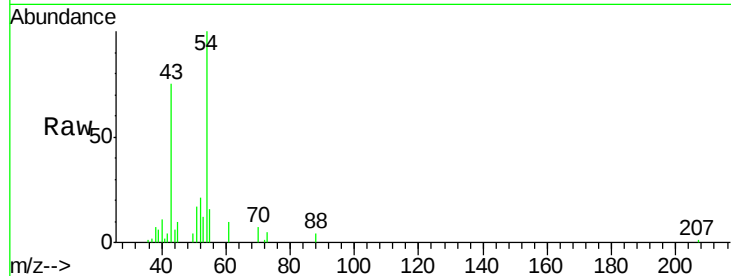
#37
Ethyl Acetate
Concen: 5.313 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.5	15.7
70	9.5	7.8	11.6

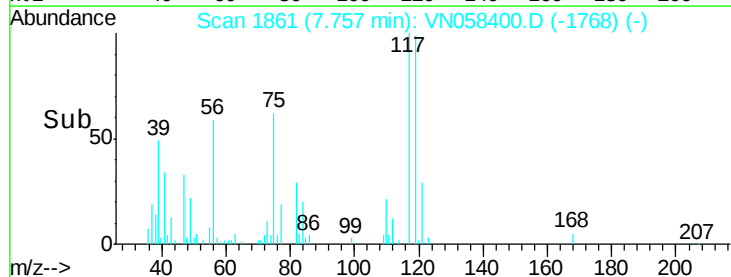
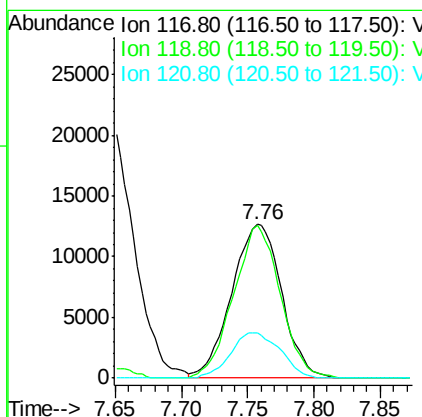
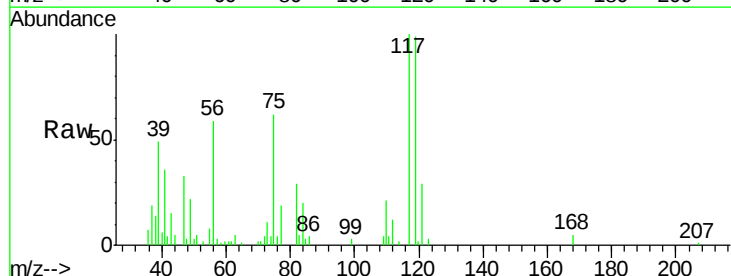
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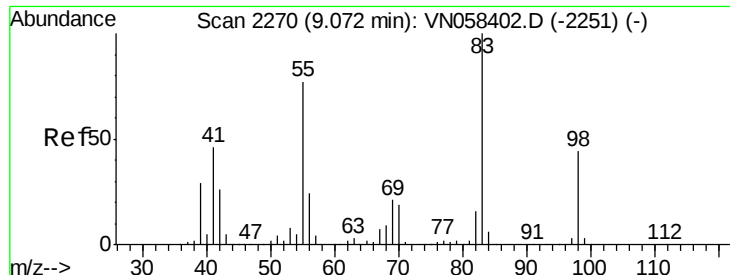
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#38
Carbon Tetrachloride
Concen: 5.640 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.6	115.0
121	29.3	24.7	37.1





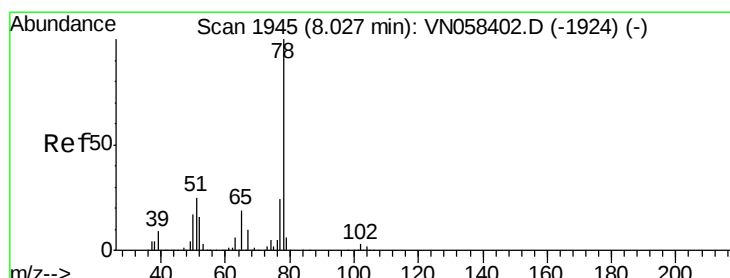
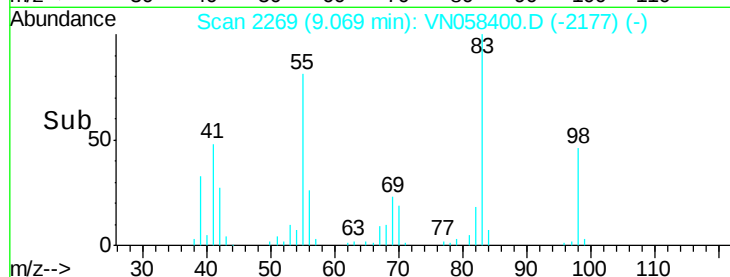
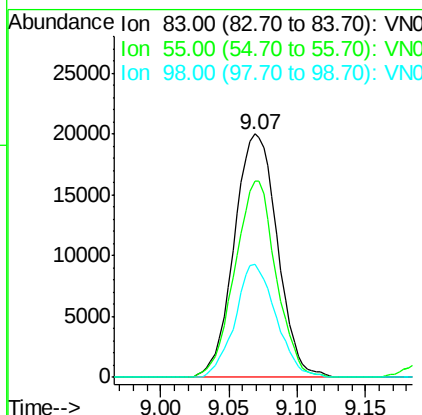
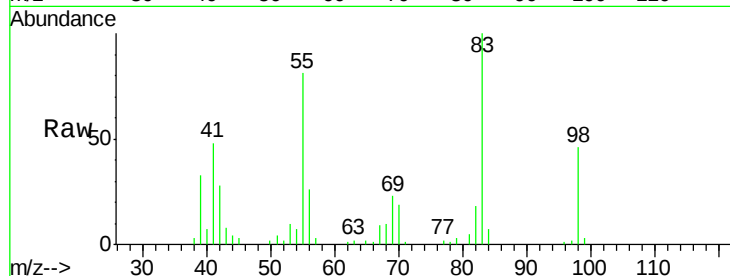
#39
Methvlcvclohexane
Concen: 6.799 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	61.8	92.6
98	46.4	35.4	53.0

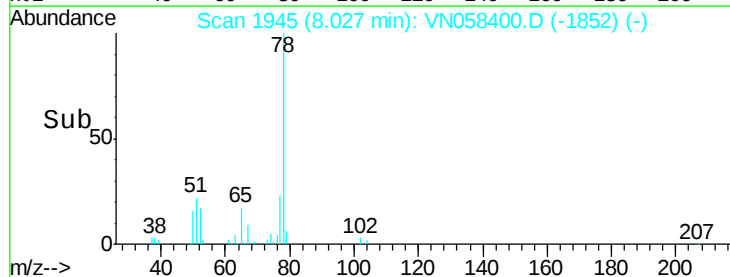
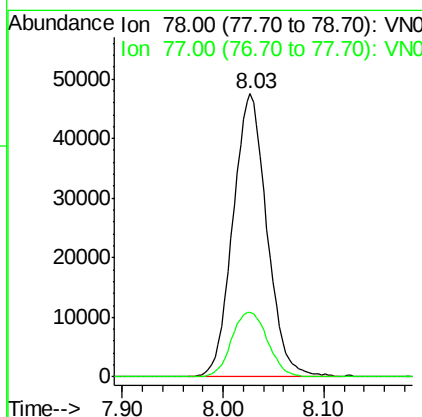
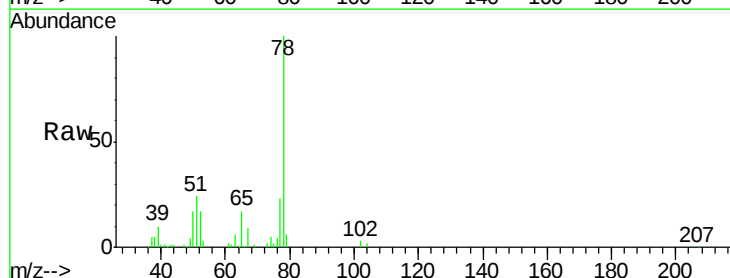
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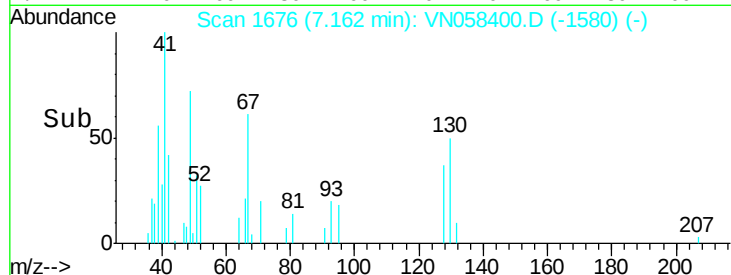
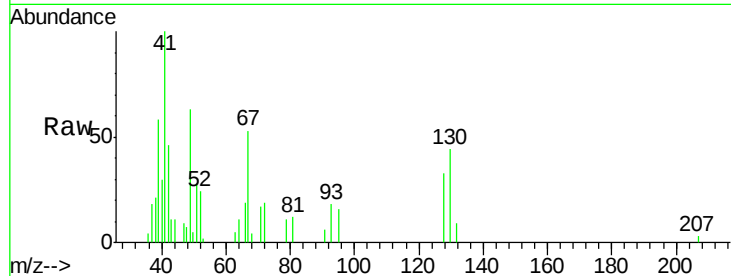
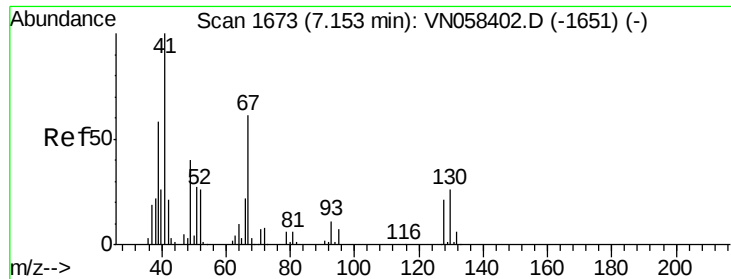
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#40
Benzene
Concen: 6.181 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.9	28.3





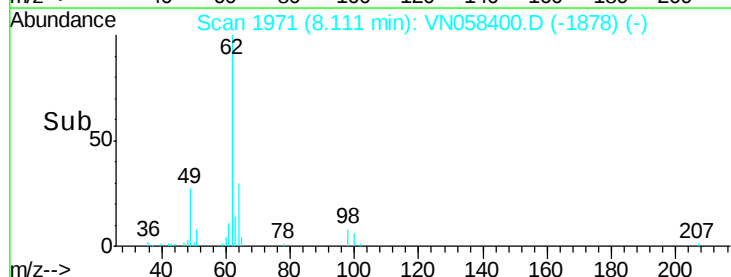
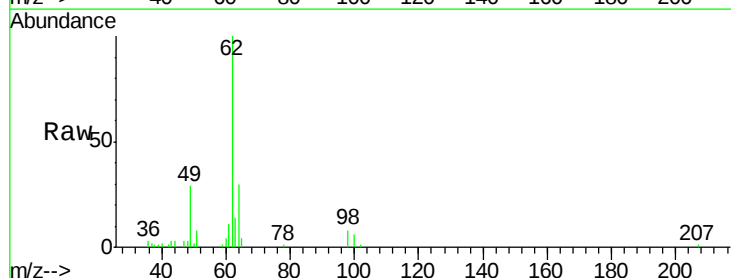
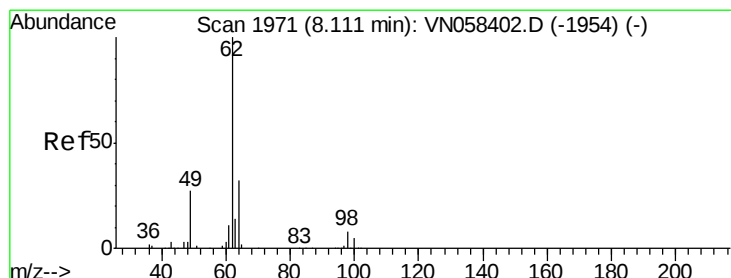
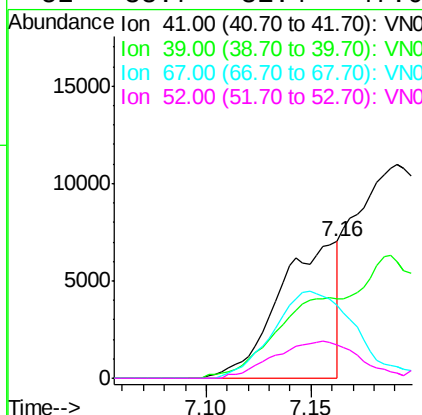
#41
Methacrylonitrile
Concen: 4.864 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VNC	100		
39	39.00 (38.70 to 39.70): VNC	62.2	50.2	75.4
67	67.00 (66.70 to 67.70): VNC	90.1	70.2	105.4
52	52.00 (51.70 to 52.70): VNC	38.7	31.4	47.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

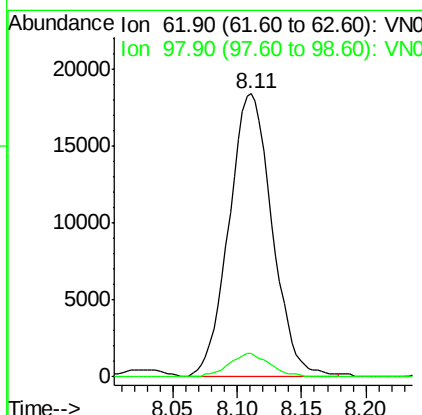
Manual Integrations
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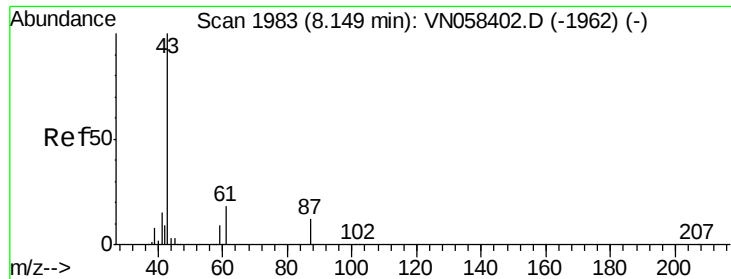
MMDadoda
9/30/2019 10:18:29 AM



#42
1,2-Dichloroethane
Concen: 5.811 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00 (61.60 to 62.60): VNC	100		
98	98.00 (97.60 to 98.60): VNC	7.8	0.0	15.6





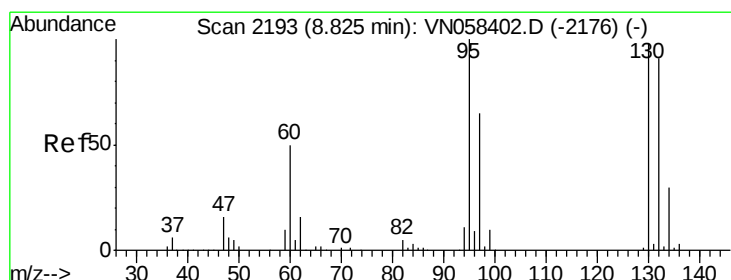
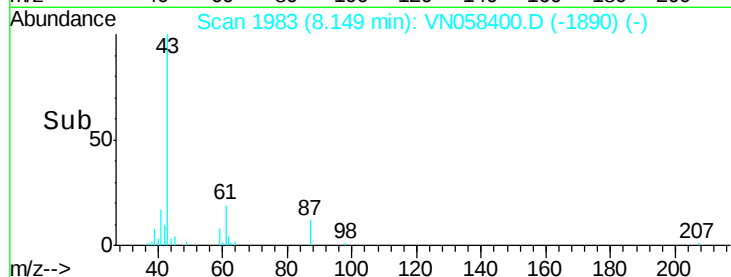
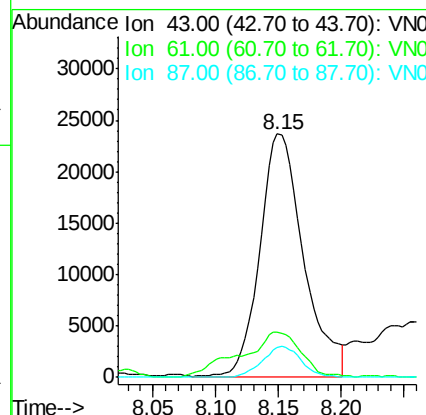
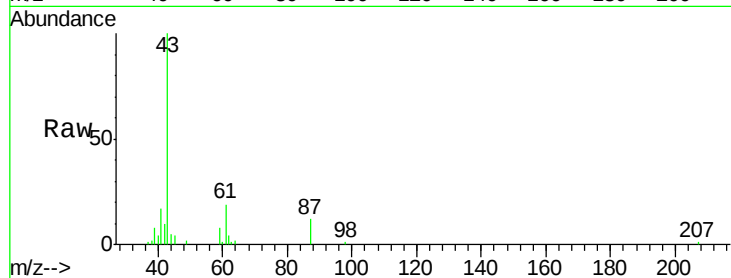
#43
Isopropyl Acetate
Concen: 5.249 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.8	22.2
87	11.1	9.7	14.5

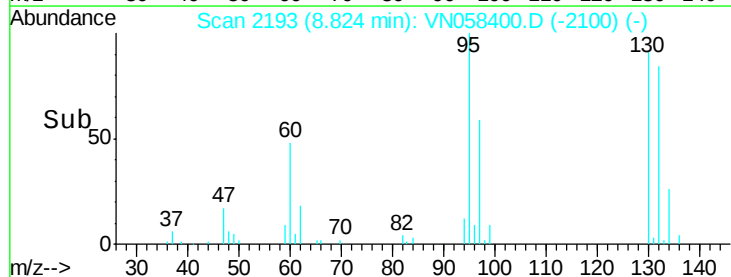
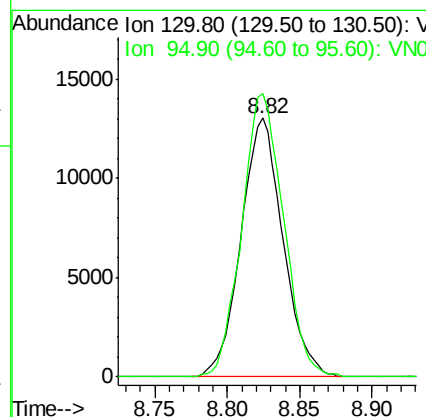
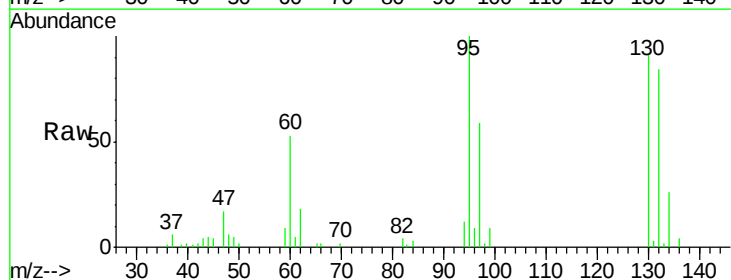
Manual Integrations
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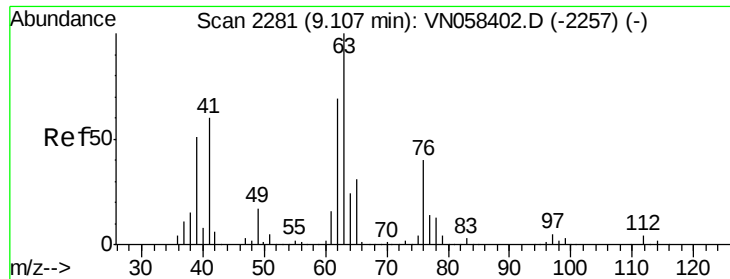
MMDadoda
9/30/2019 10:18:29 AM



#44
Trichloroethene
Concen: 5.967 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.4	0.0	204.2





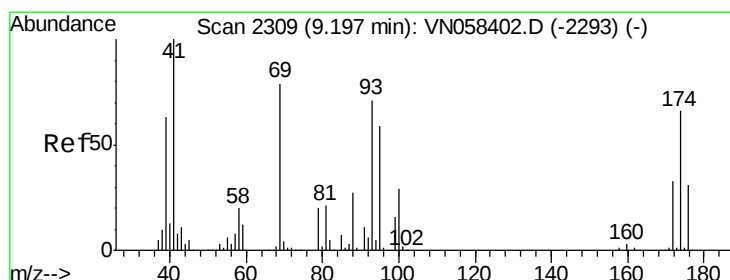
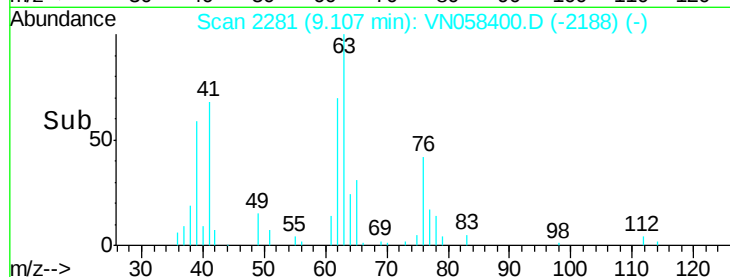
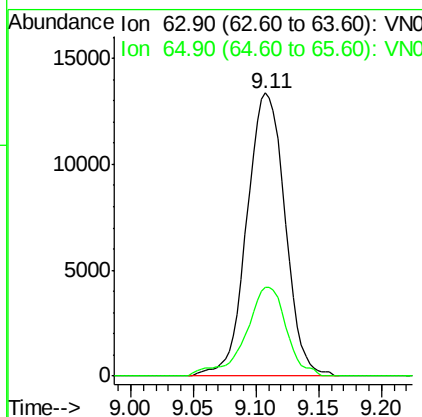
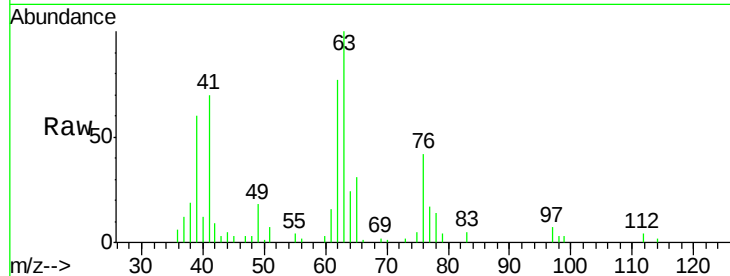
#45
 1,2-Dichloropropane
 Concen: 5.423 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 28344
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

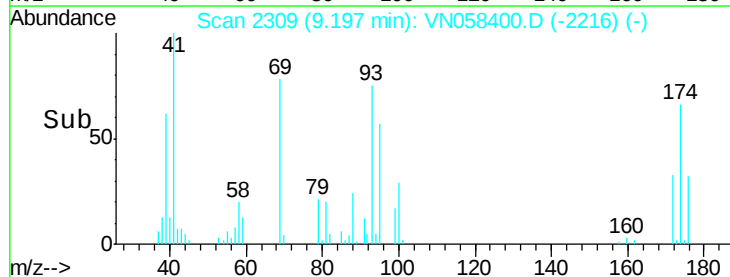
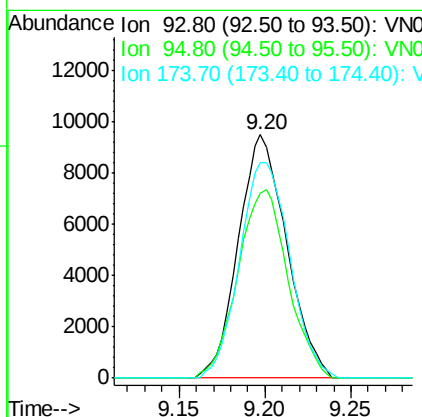
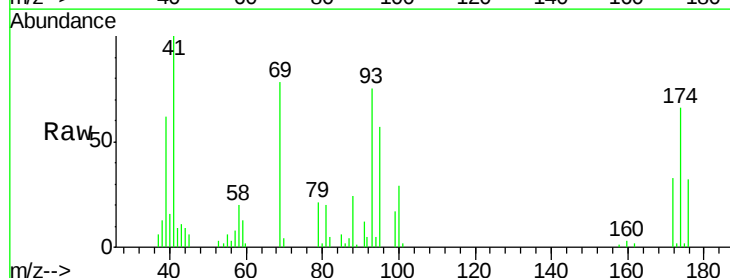
Manual Integrations
 APPROVED

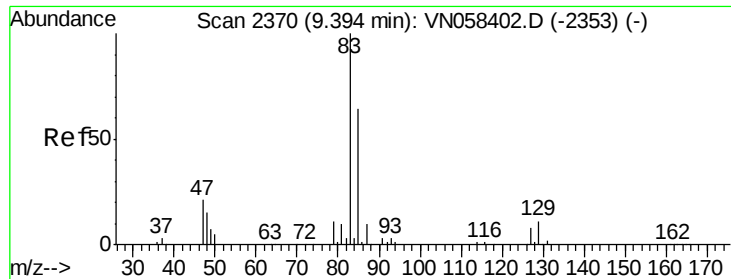
MMDadoda
 9/30/2019 10:18:29 AM



#46
 Dibromomethane
 Concen: 5.777 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion: 93 Resp: 18507
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.0 100.4
 174 91.9 74.2 111.2





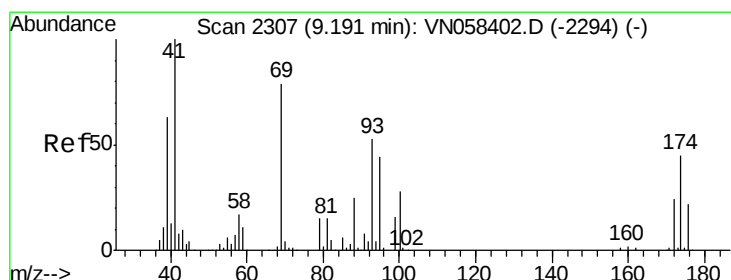
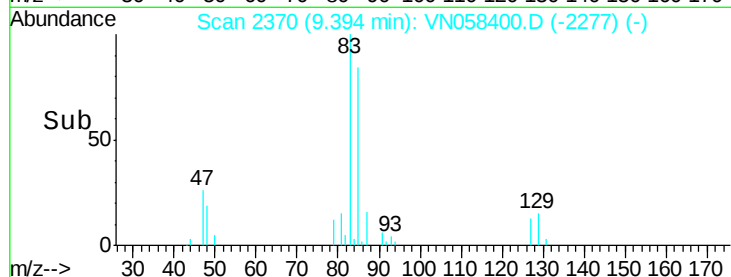
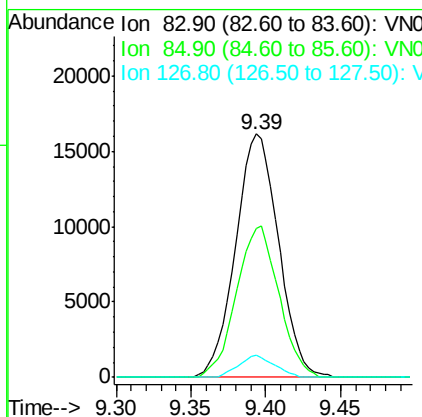
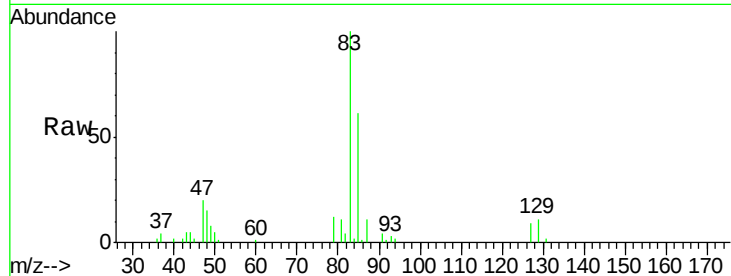
#47
Bromodichloromethane
Concen: 4.886 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	32219
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	51.2	76.8
127	9.1	6.3	9.5

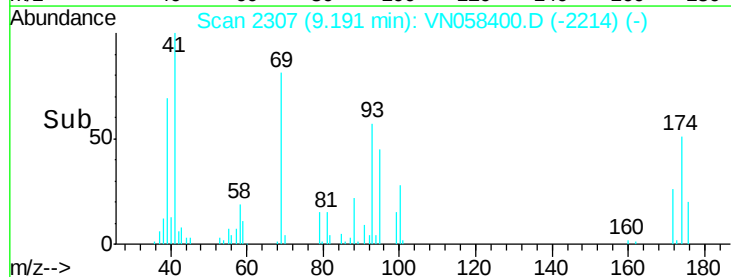
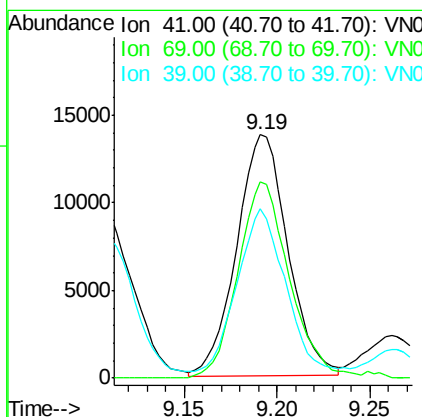
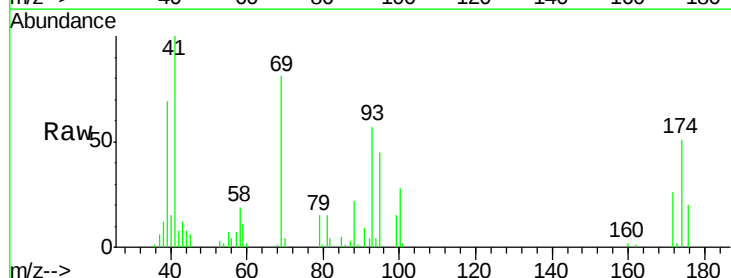
Manual Integrations
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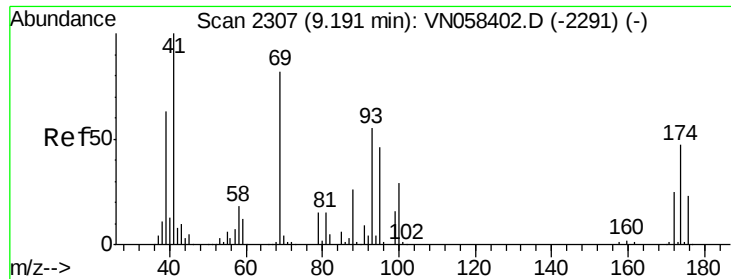
MMDadoda
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#48
Methyl methacrylate
Concen: 5.326 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	41	Resp	26631
Ion Ratio	100	Lower	Upper
41	100		
69	81.5	64.7	97.1
39	66.8	52.9	79.3





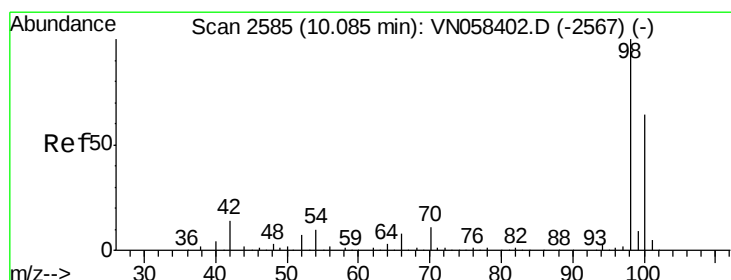
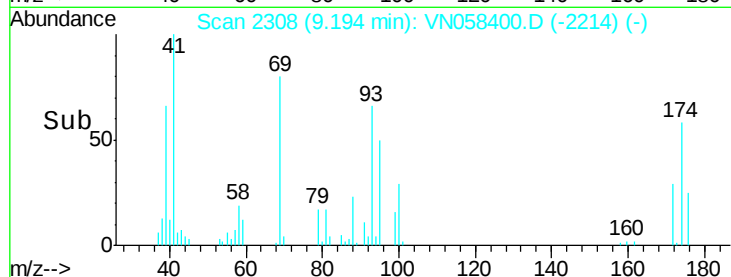
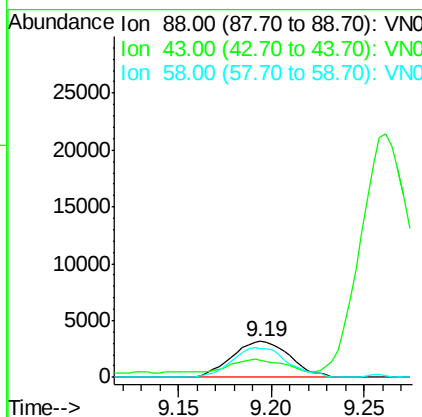
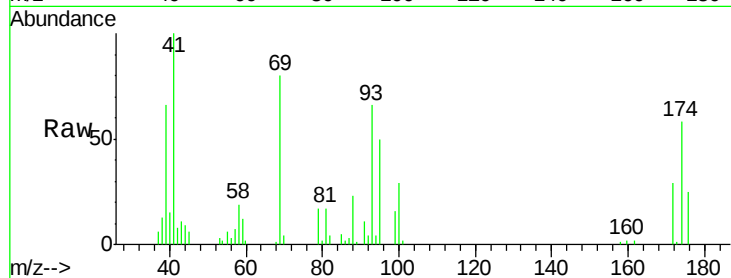
#49
1,4-Dioxane
Concen: 86.751 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 6882
Ion Ratio Lower Upper
88 100
43 32.1 31.1 46.7
58 79.5 58.1 87.1

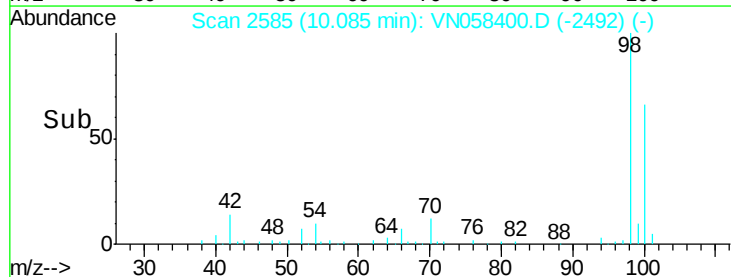
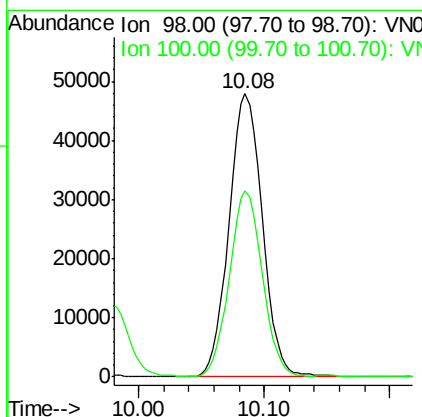
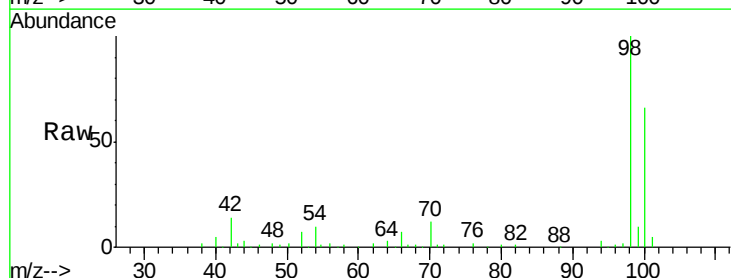
Manual Integrations
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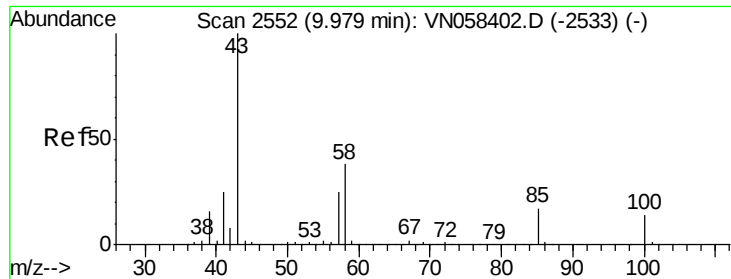
MMDadoda
9/30/2019 10:18:29 AM



#50
Toluene-d8
Concen: 4.835 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 98 Resp: 88594
Ion Ratio Lower Upper
98 100
100 64.9 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 27.093 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 156951

Ion Ratio Lower Upper

43 100

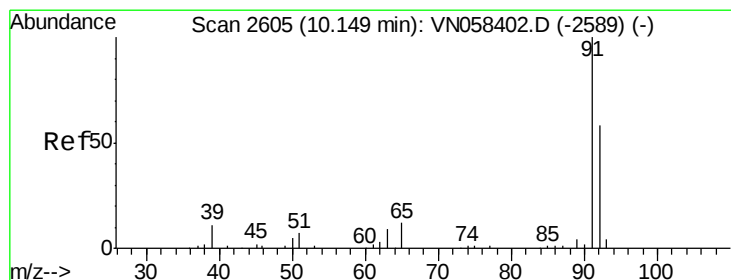
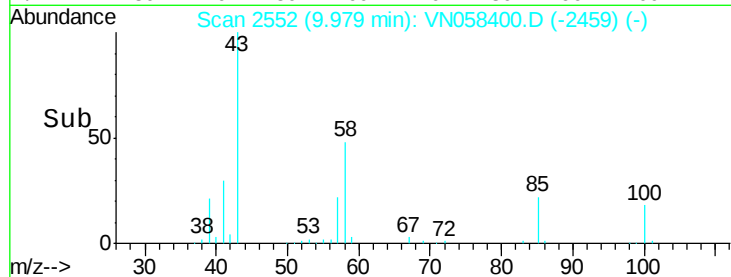
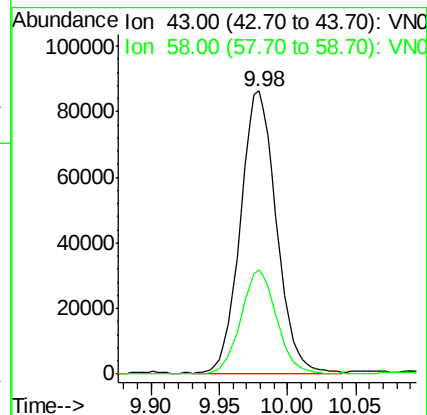
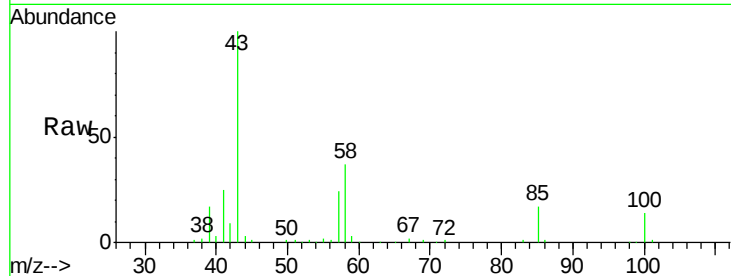
58 36.8 30.2 45.2

Manual Integrations

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MMDadoda

9/30/2019 10:18:29 AM



#52

Toluene

Concen: 5.997 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058400.D

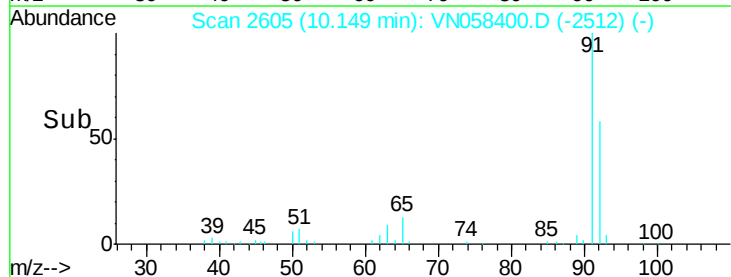
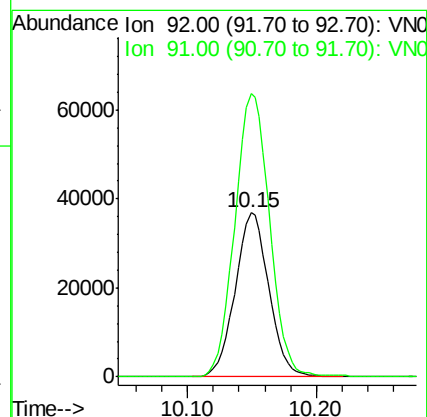
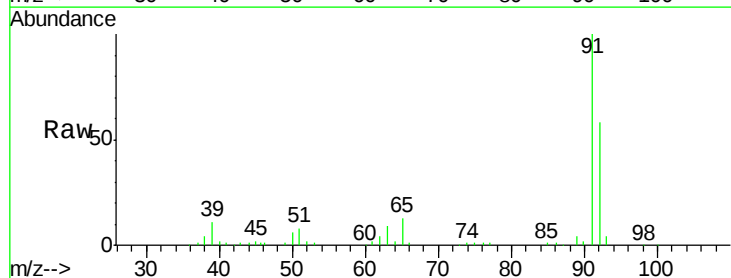
Acq: 27 Sep 2019 11:33

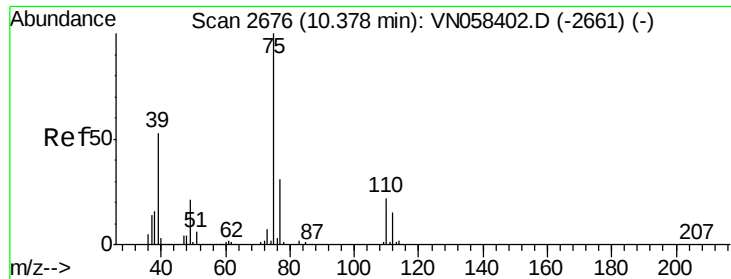
Tgt Ion: 92 Resp: 67017

Ion Ratio Lower Upper

92 100

91 177.3 140.2 210.4





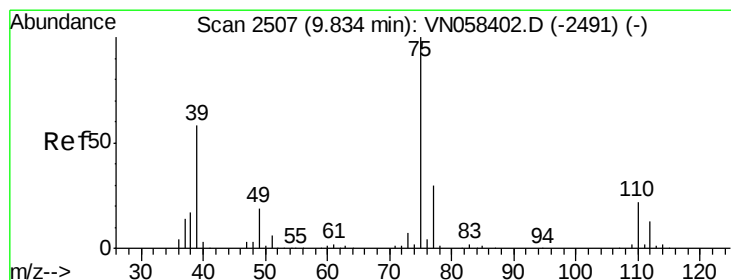
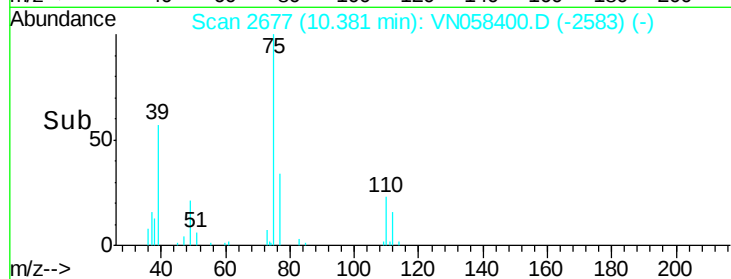
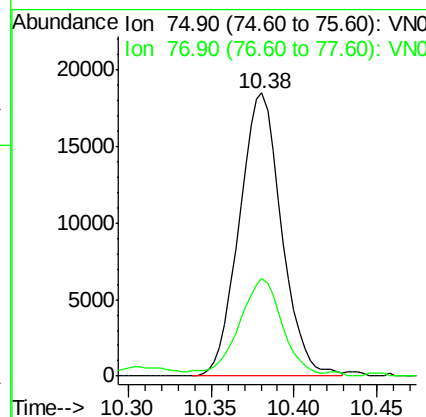
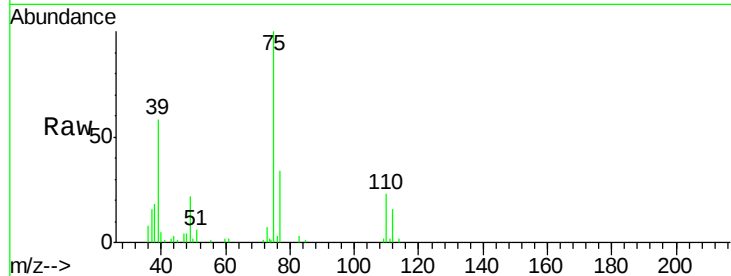
#53
t-1,3-Dichloropropene
Concen: 4.775 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.2	37.8

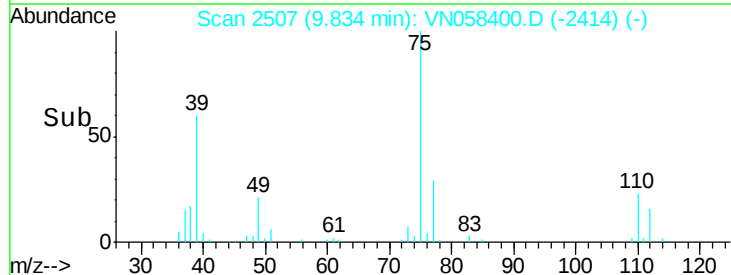
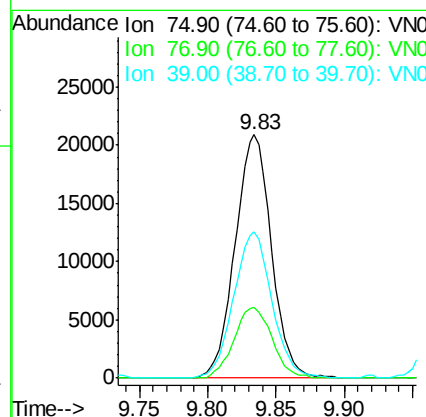
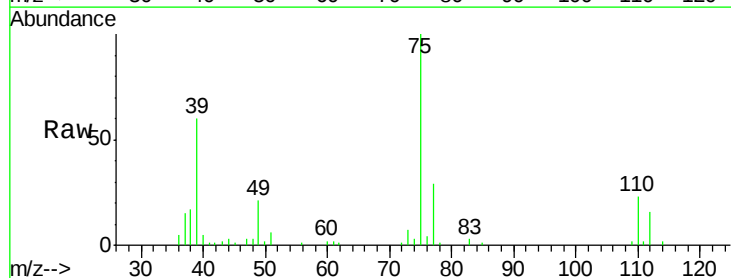
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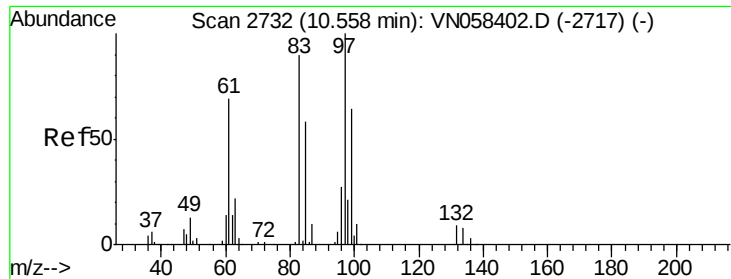
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.089 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.2	36.4
39	60.0	46.4	69.6





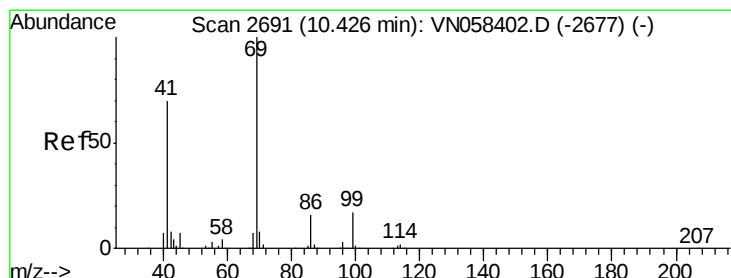
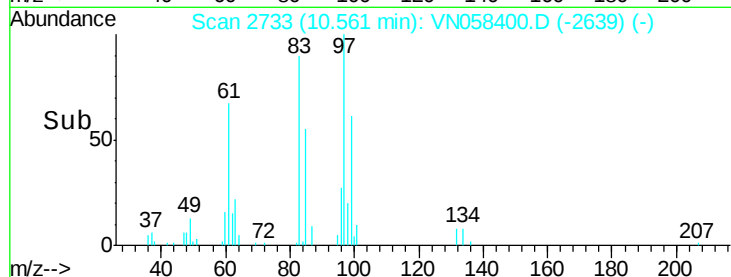
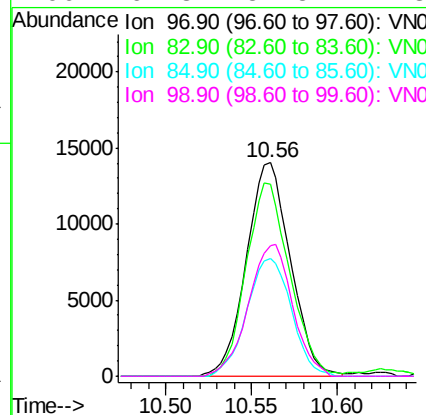
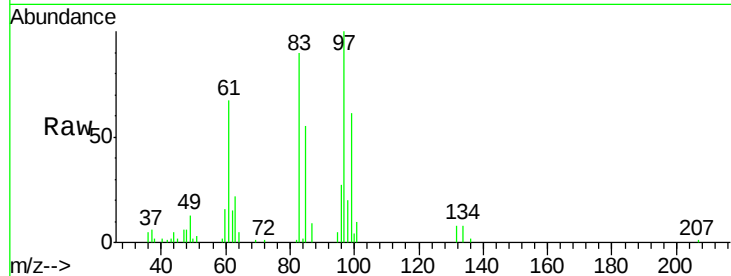
#55
 1,1,2-Trichloroethane
 Concen: 5.212 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	24977
Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.8	107.6
85	55.0	46.6	69.8
99	61.3	51.5	77.3

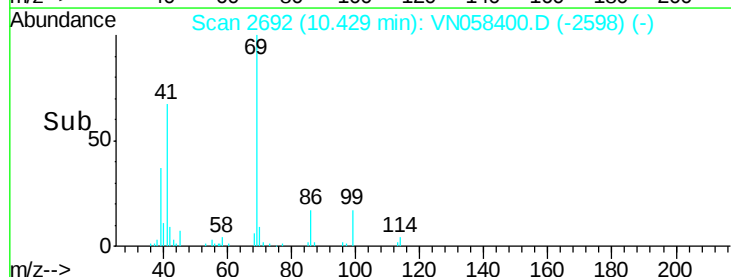
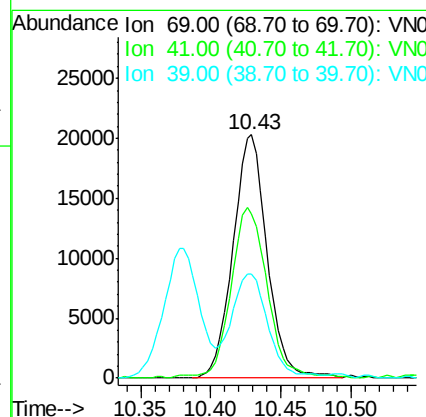
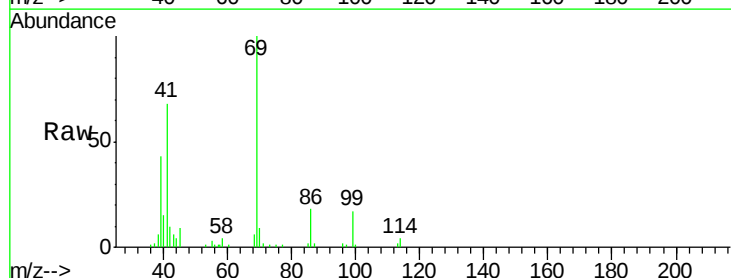
Manual Integrations
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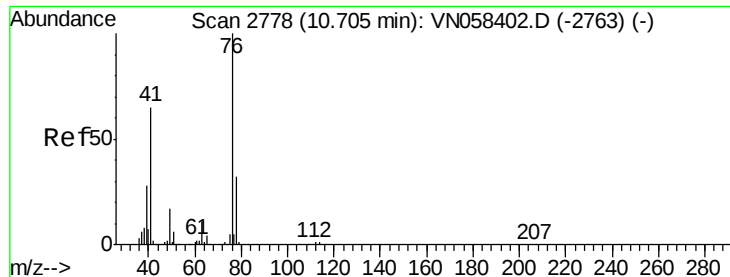
MMDadoda
 9/30/2019 10:18:29 AM



#56
 Ethyl methacrylate
 Concen: 4.943 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion:	69	Resp:	34417
Ion	Ratio	Lower	Upper
69	100		
41	74.8	56.3	84.5
39	43.0	35.8	53.6





#57

1,3-Dichloropropane

Concen: 5.434 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 45124

Ion Ratio Lower Upper

76 100

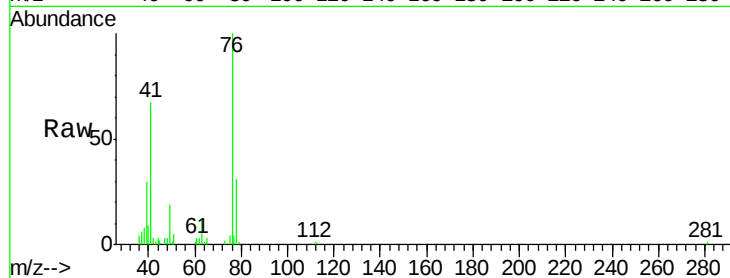
78 31.0 25.7 38.5

Manual Integrations

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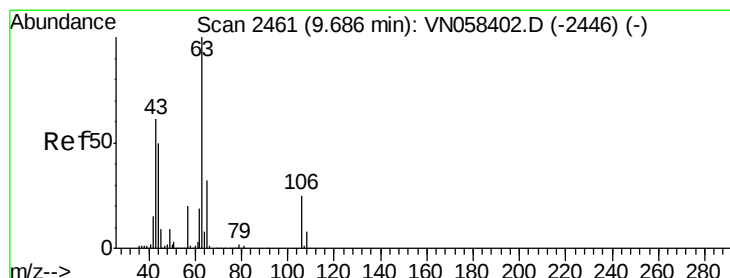
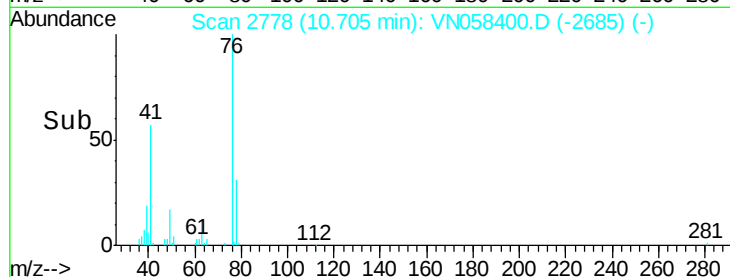
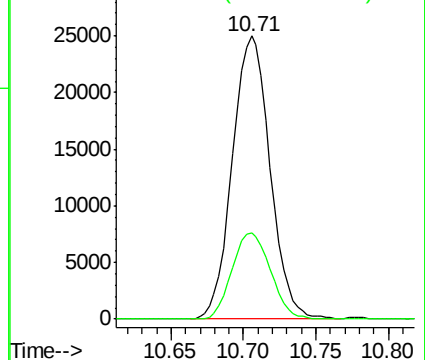
MMDadoda

9/30/2019 10:18:29 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 21.960 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058400.D

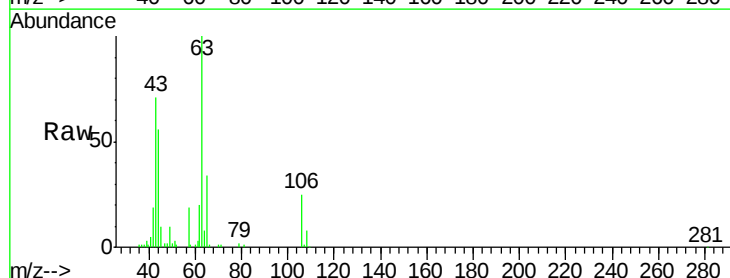
Acq: 27 Sep 2019 11:33

Tgt Ion: 63 Resp: 69981

Ion Ratio Lower Upper

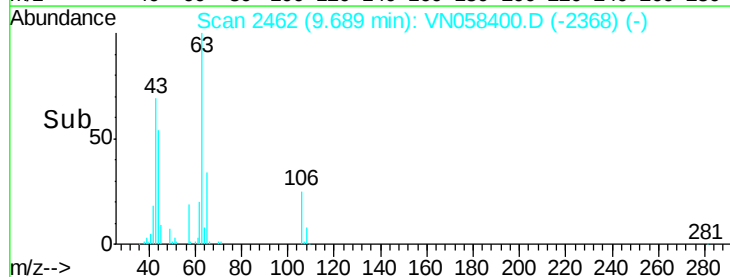
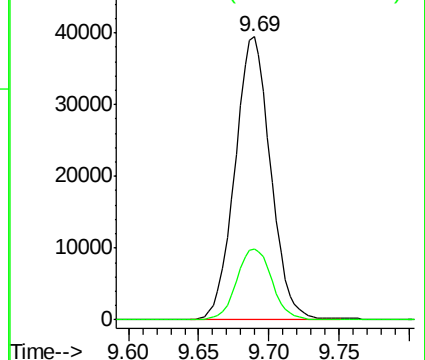
63 100

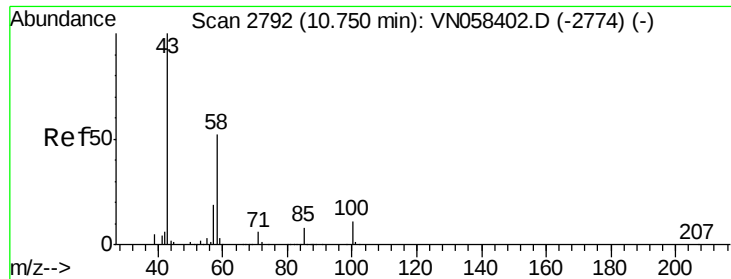
106 24.7 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





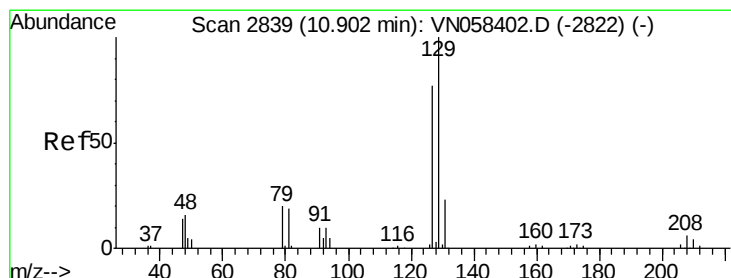
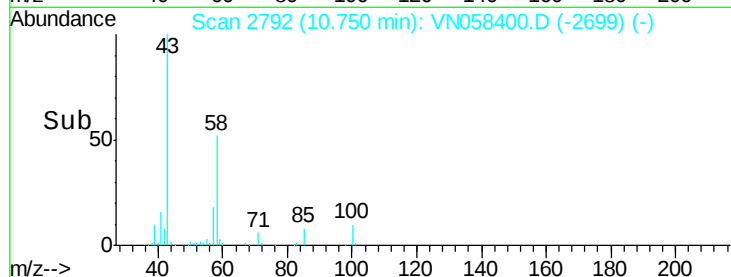
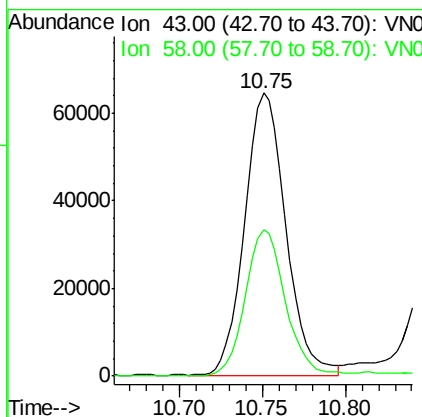
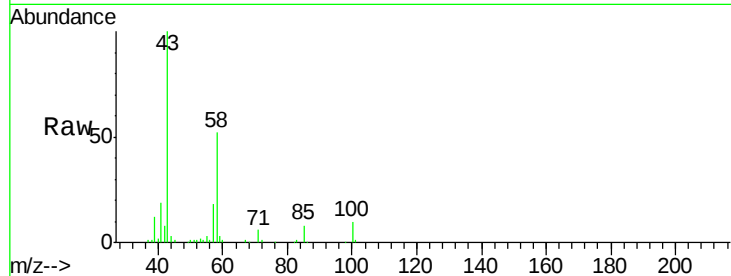
#59
2-Hexanone
Concen: 25.888 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 111104
Ion Ratio Lower Upper
43 100
58 50.7 25.8 77.3

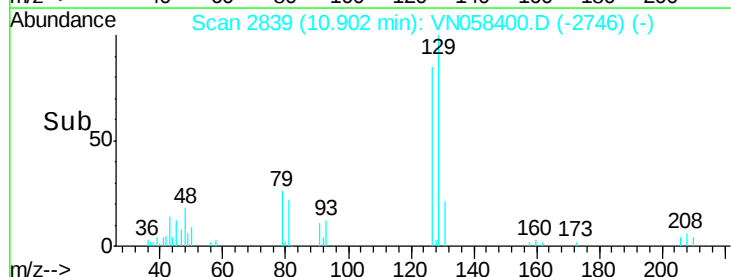
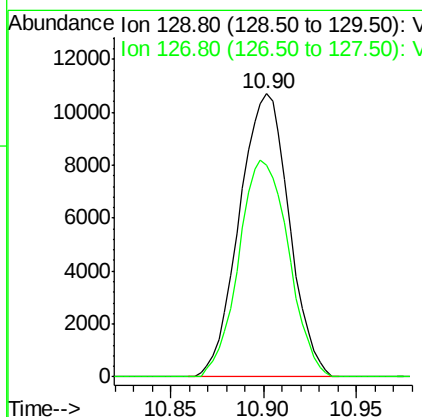
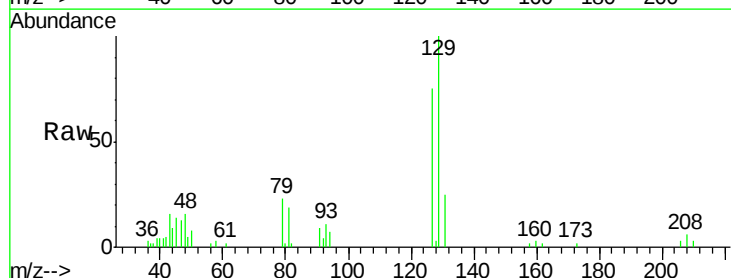
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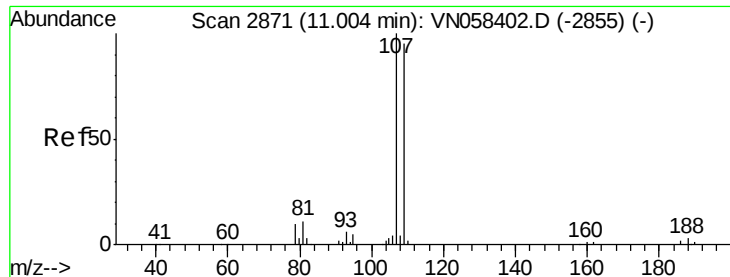
MMDadoda
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#60
Dibromochloromethane
Concen: 4.326 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion:129 Resp: 19957
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8





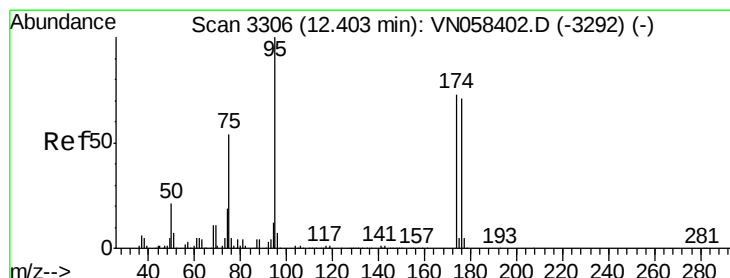
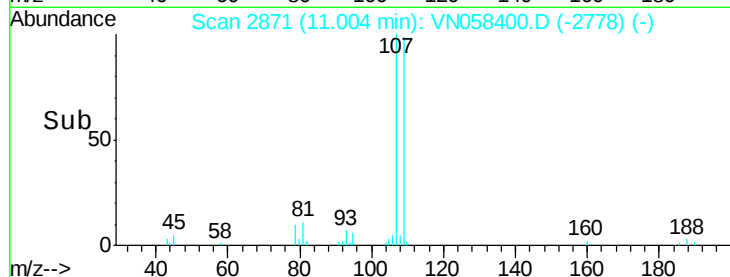
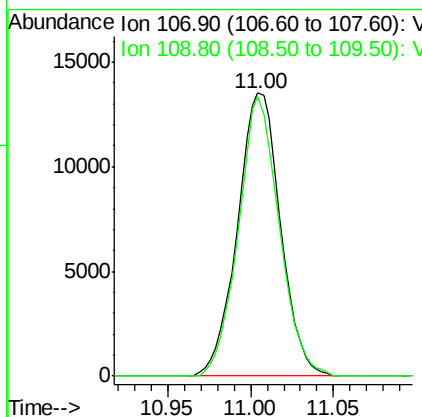
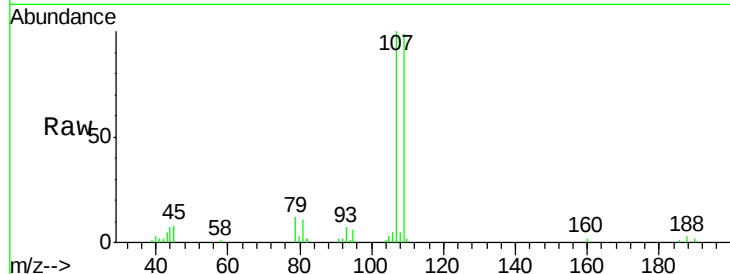
#61
 1,2-Dibromoethane
 Concen: 5.383 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.3	112.9

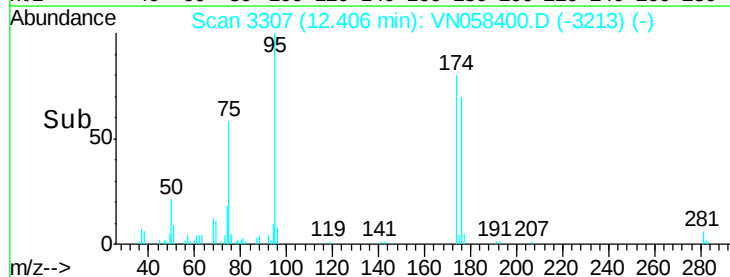
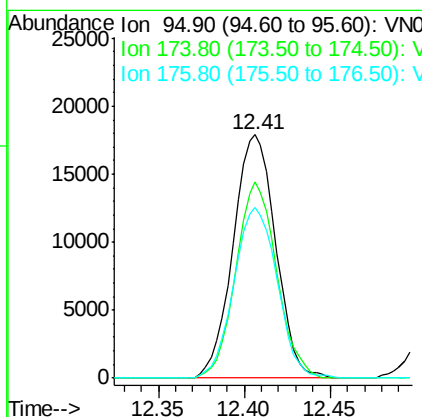
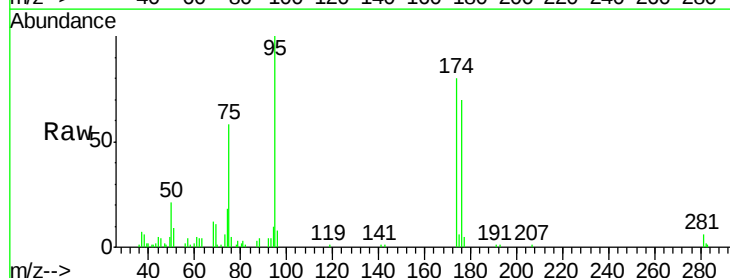
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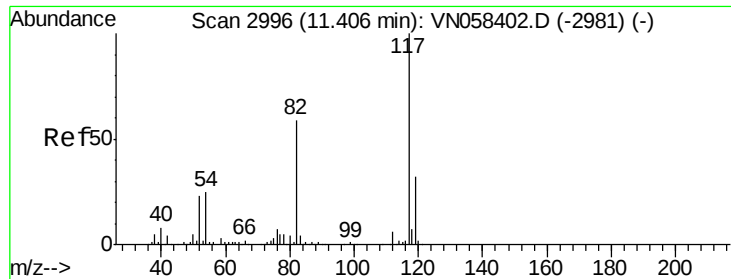
MMDadoda
 9/30/2019 10:18:29 AM



#62
 4-Bromofluorobenzene
 Concen: 4.549 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	150.6
176	71.3	0.0	146.2





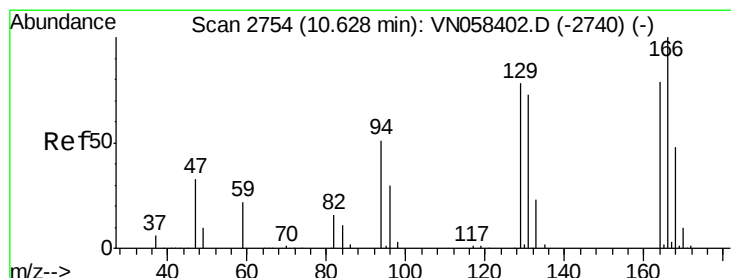
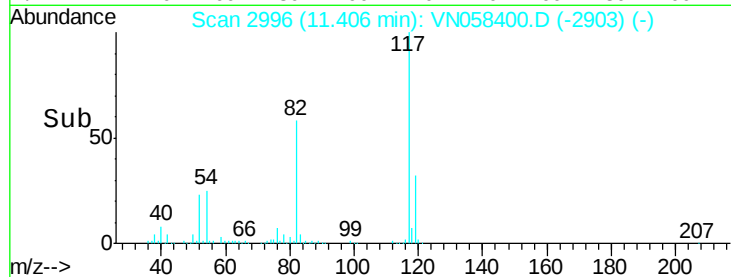
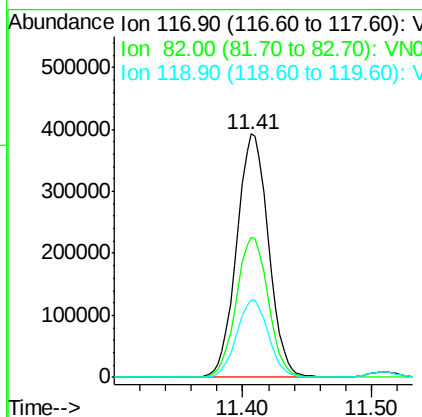
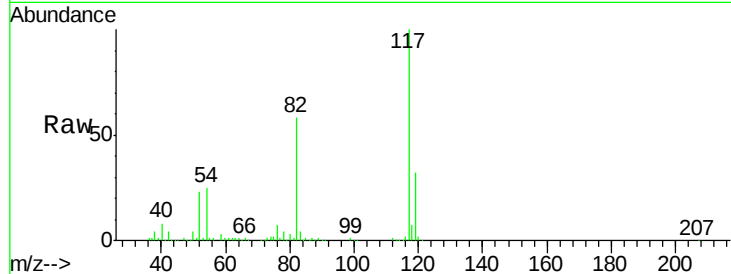
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	675153		
82	57.7		47.4	71.0
119	31.9		25.5	38.3

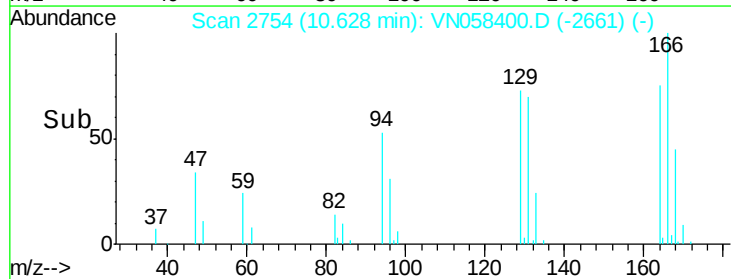
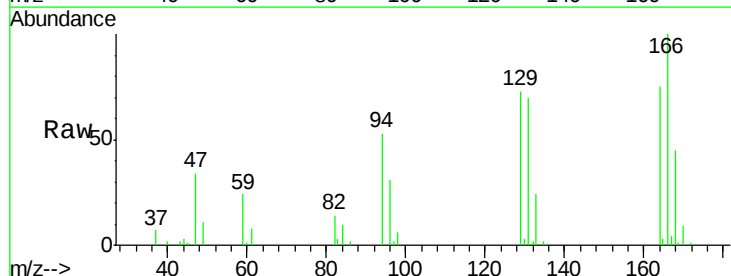
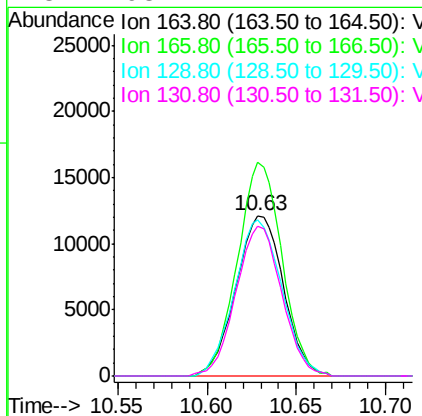
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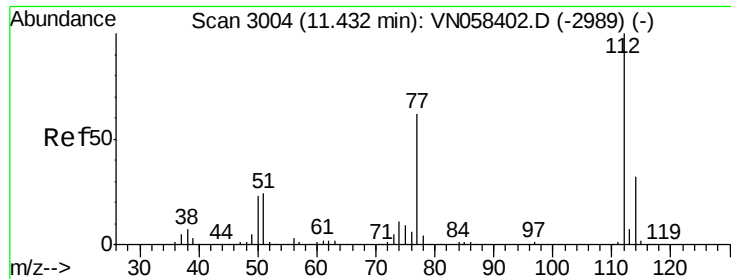
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#64
Tetrachloroethene
Concen: 6.449 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	22543		
166	133.2		101.1	151.7
129	97.1		79.2	118.8
131	93.4		74.1	111.1





#65

Chlorobenzene

Concen: 5.669 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 69369

Ion Ratio Lower Upper

112 100

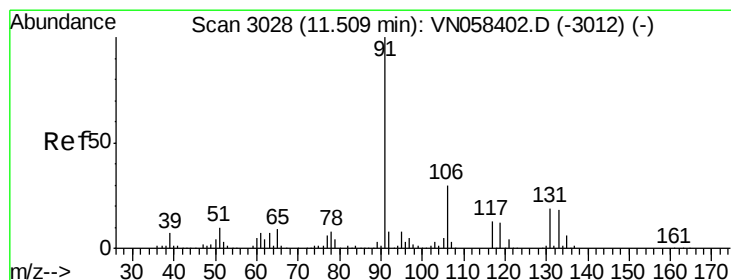
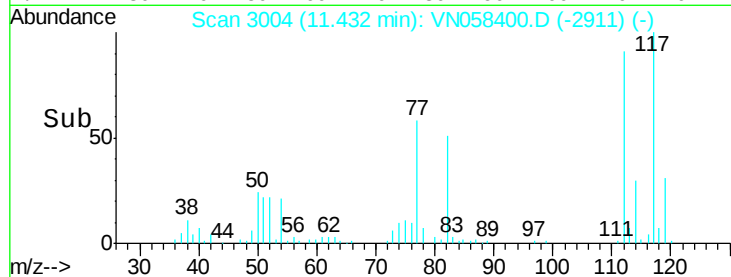
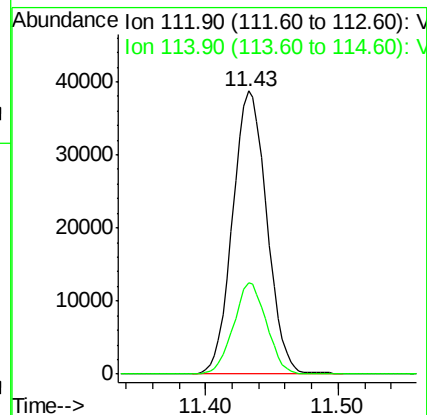
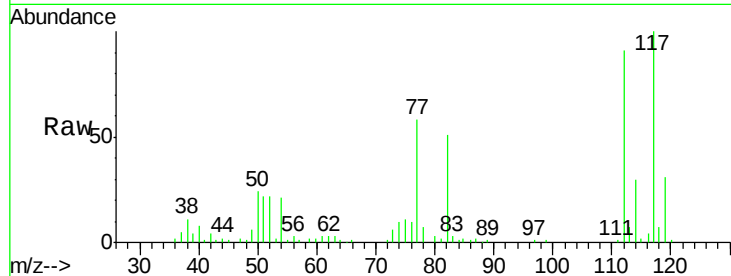
114 32.5 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.872 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

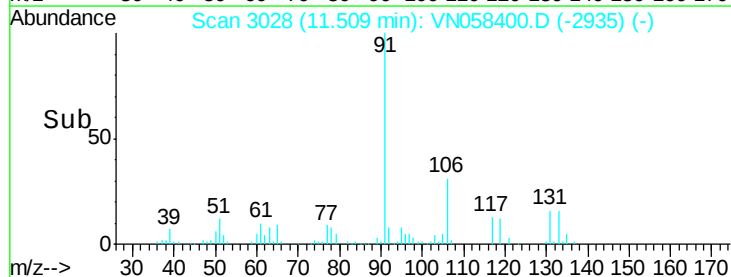
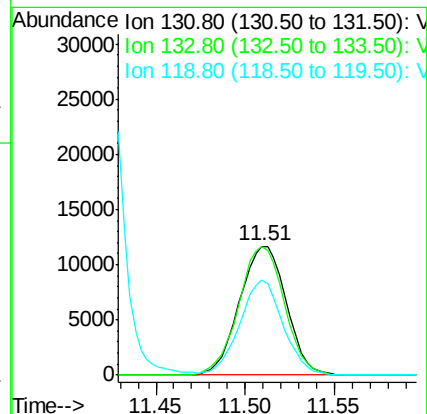
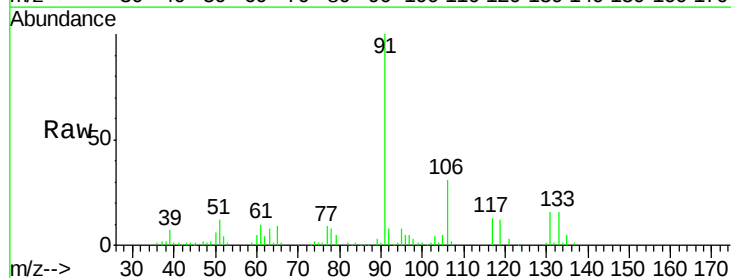
Tgt Ion:131 Resp: 21283

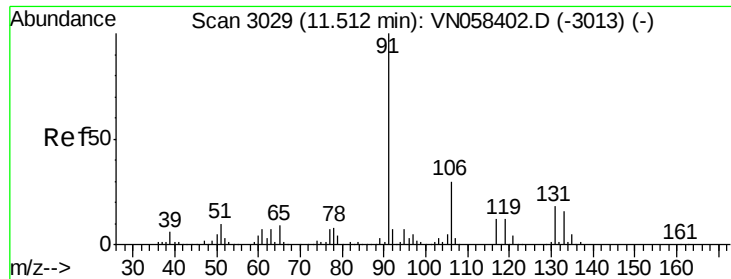
Ion Ratio Lower Upper

131 100

133 97.8 47.8 143.3

119 68.1 33.0 99.0





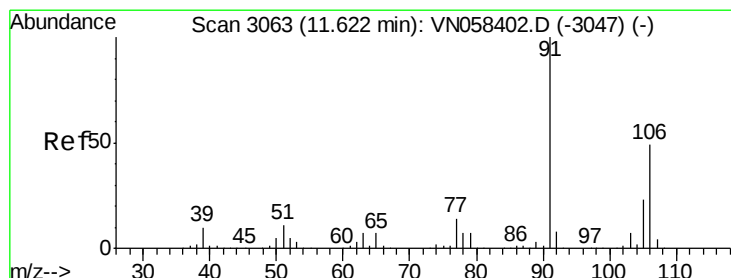
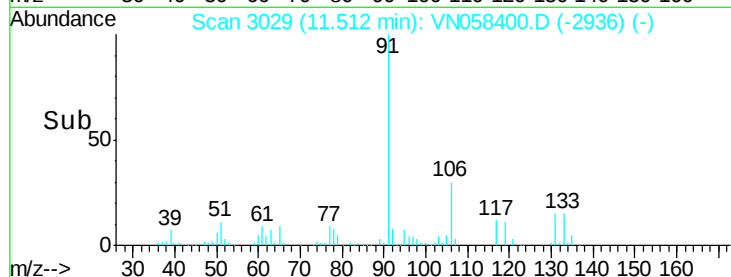
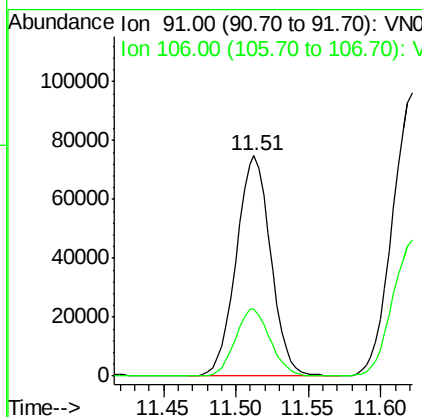
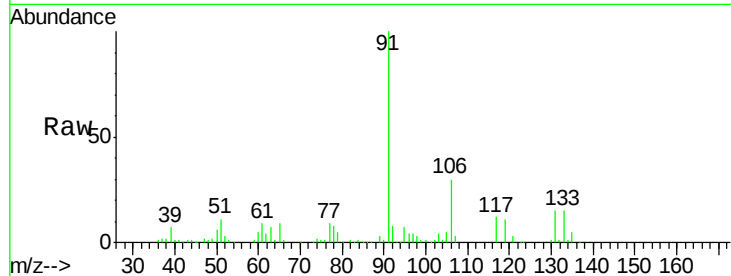
#67
Ethyl Benzene
Concen: 5.873 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 124155
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

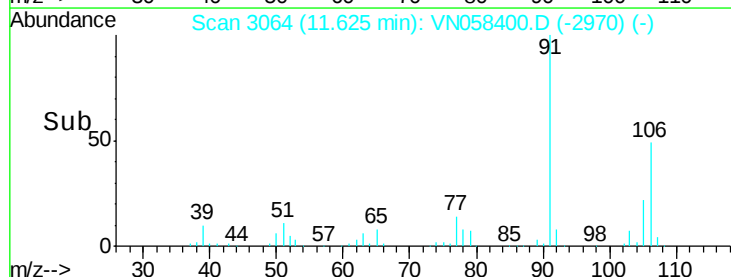
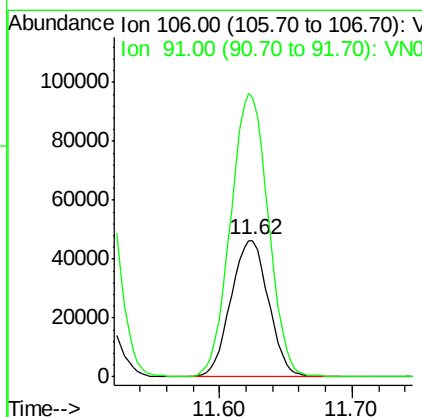
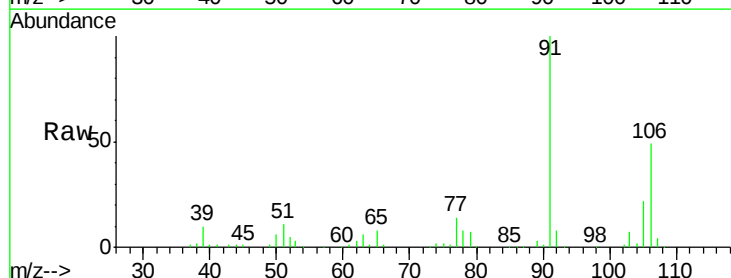
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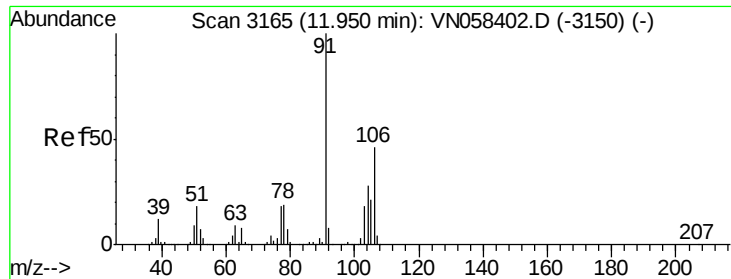
MMDadoda
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#68
m/p-Xylenes
Concen: 11.500 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 106 Resp: 91682
Ion Ratio Lower Upper
106 100
91 207.7 165.0 247.4





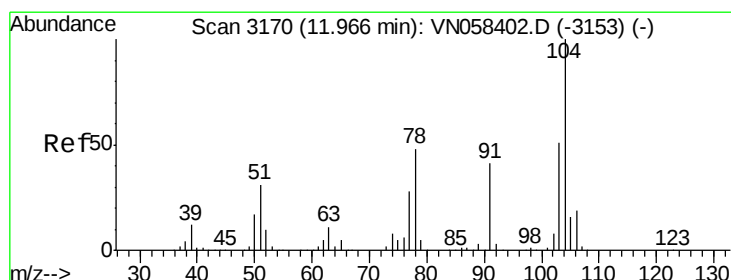
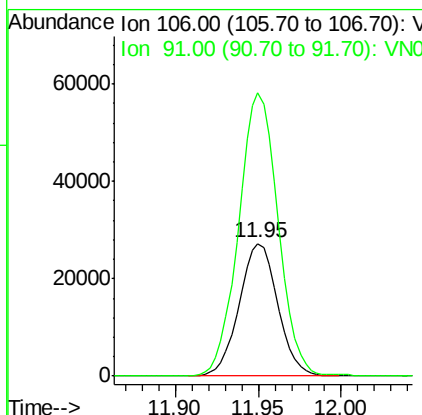
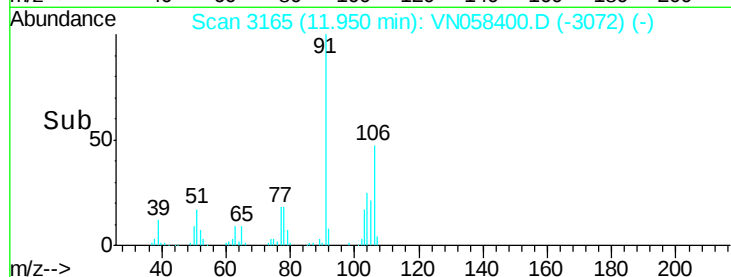
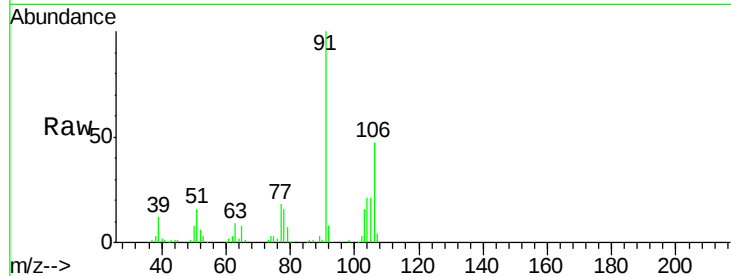
#69
o-Xylene
Concen: 5.663 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 44165
Ion Ratio Lower Upper
106 100
91 219.0 109.1 327.4

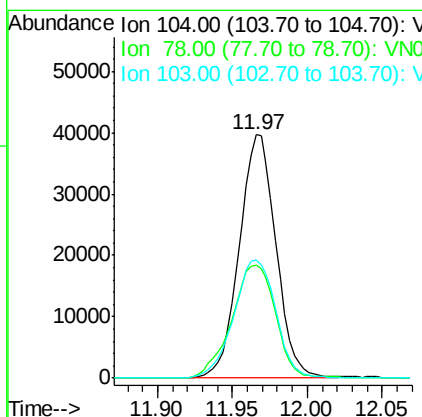
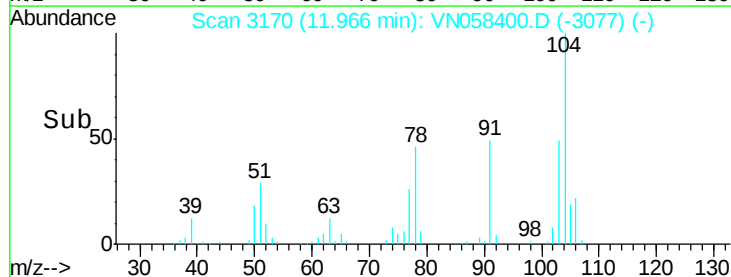
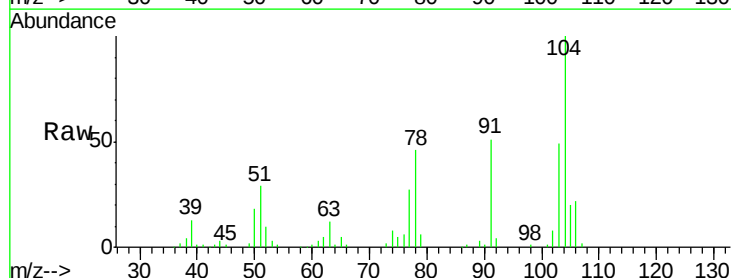
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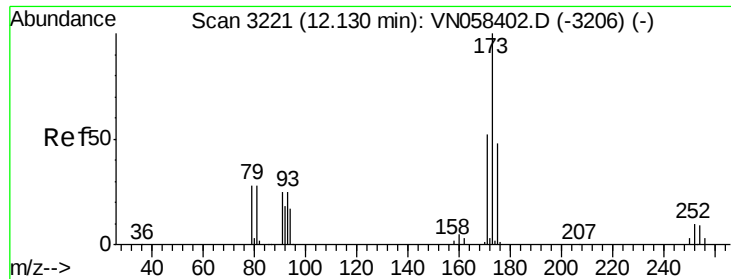
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#70
Styrene
Concen: 5.102 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion:104 Resp: 67808
Ion Ratio Lower Upper
104 100
78 55.5 42.8 64.2
103 55.4 43.7 65.5





#71

Bromoform

Concen: 4.355 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 11978

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

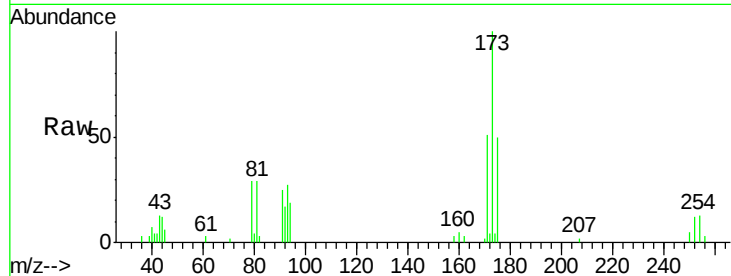
254 0.0 0.1 0.1#

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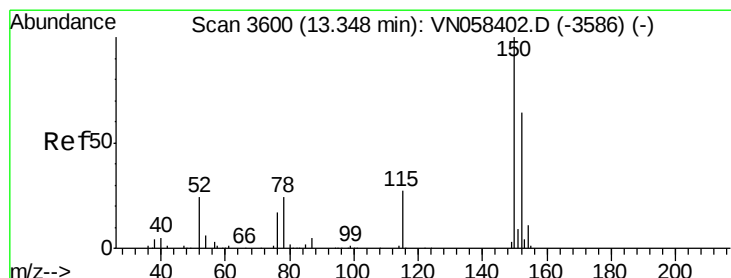
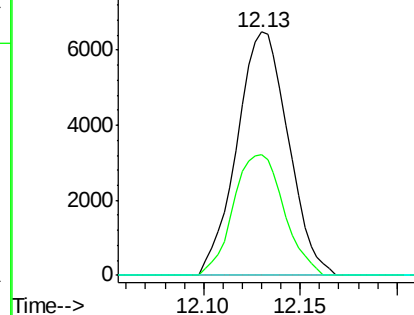
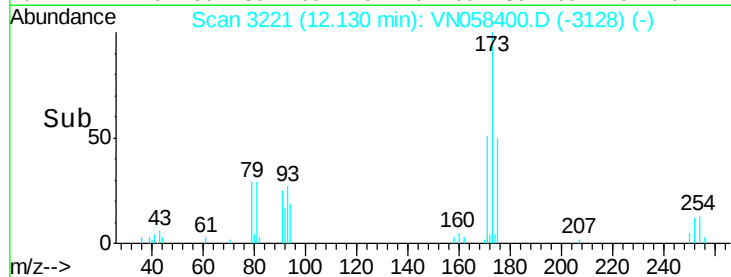
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

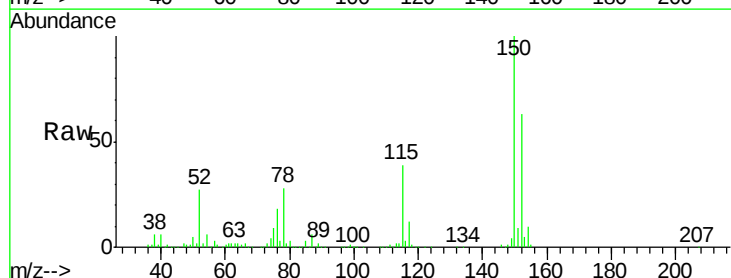
Tgt Ion:152 Resp: 289291

Ion Ratio Lower Upper

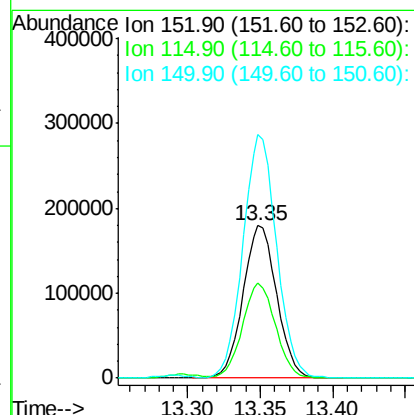
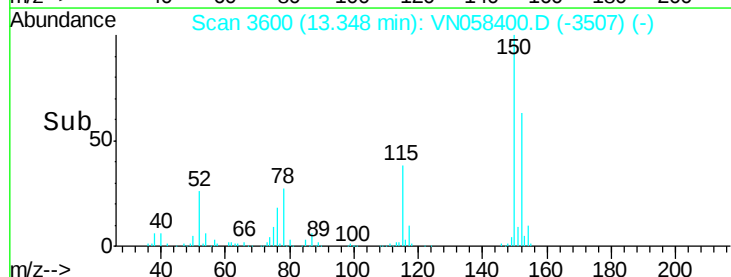
152 100

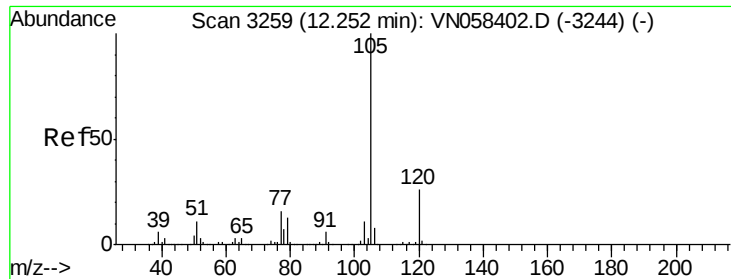
115 61.3 30.0 90.0

150 159.5 0.0 348.2



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





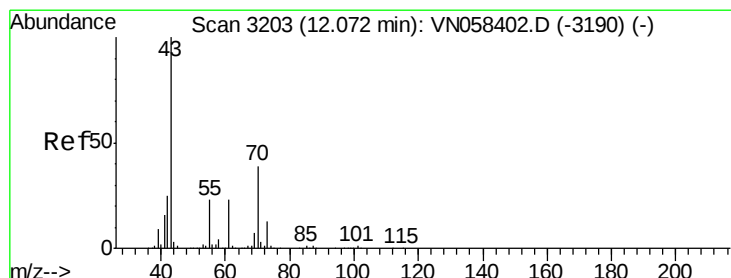
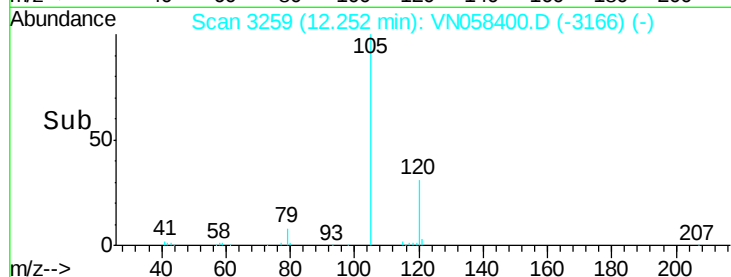
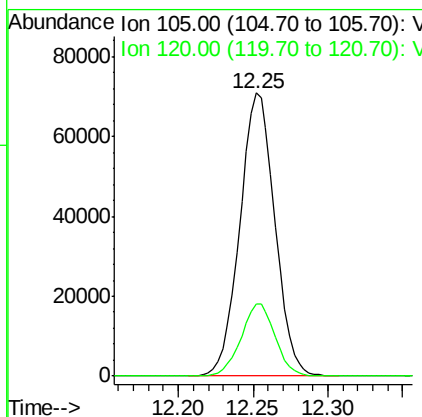
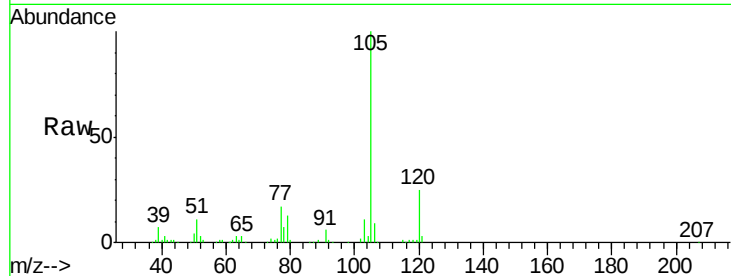
#73
Isopropylbenzene
Concen: 6.167 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.8	38.4

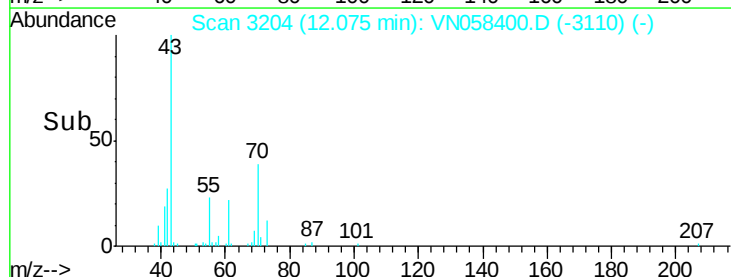
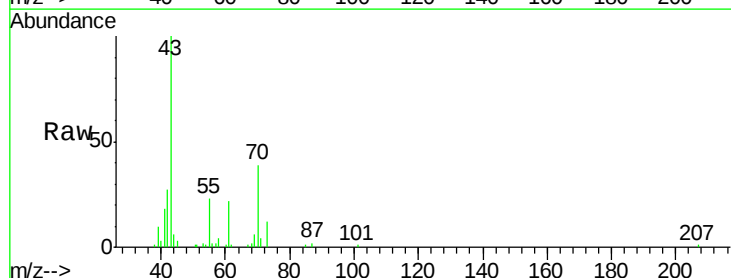
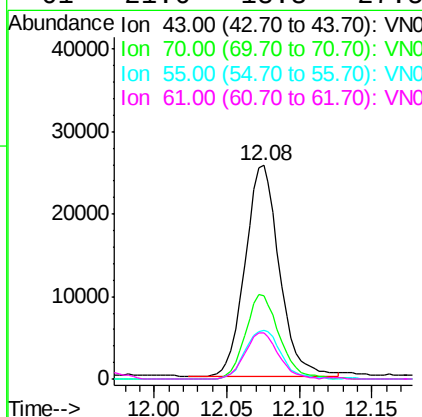
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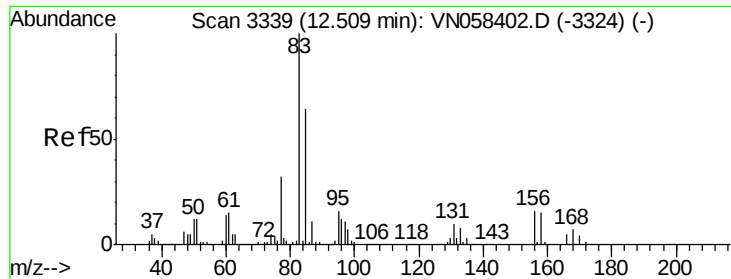
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#74
N-ethyl acetate
Concen: 5.484 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.4	47.2
55	24.0	18.2	27.4
61	21.6	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.493 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

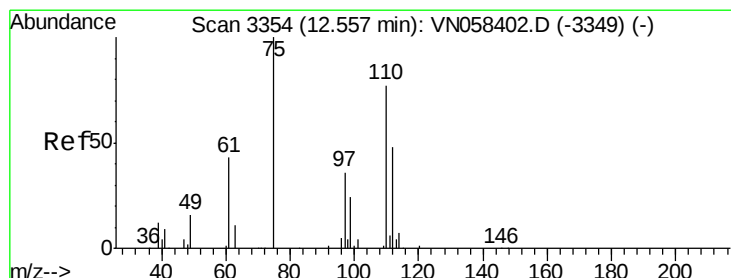
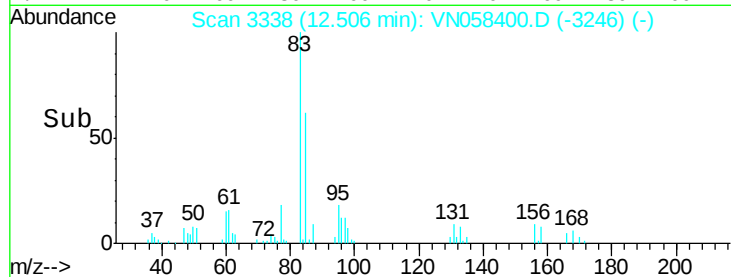
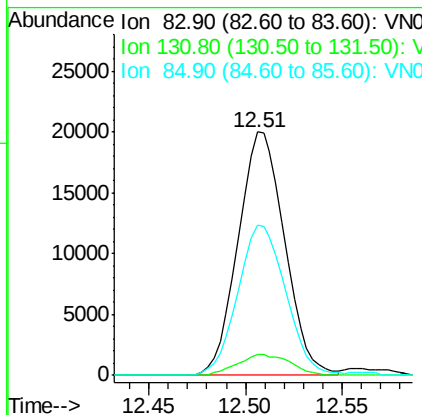
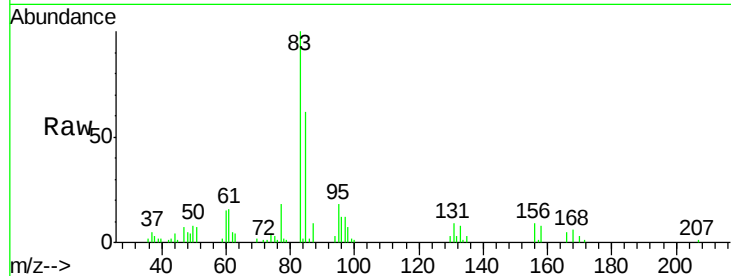
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	33562
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	63.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.600 ug/l m

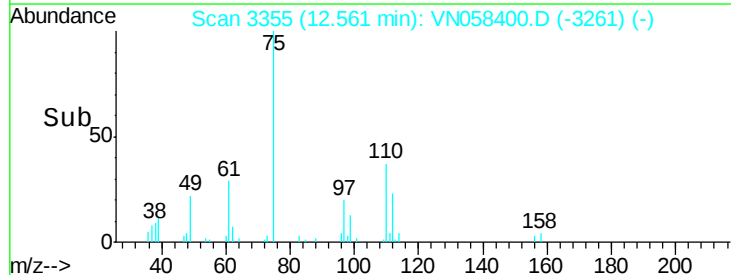
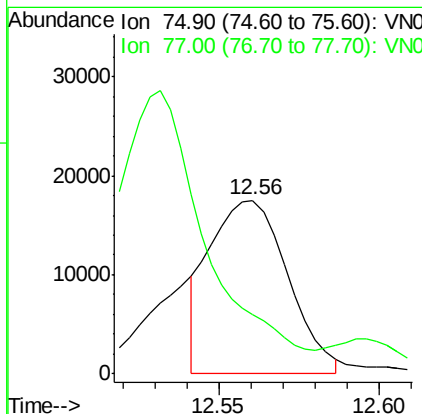
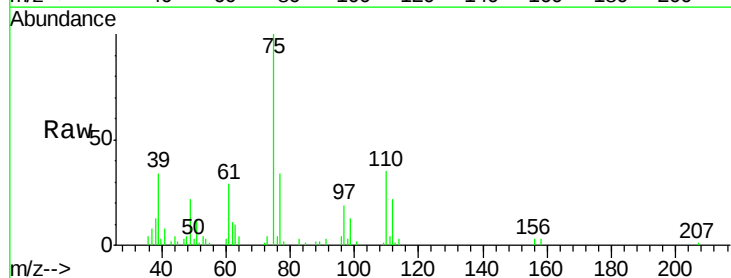
RT: 12.56 min Scan# 3355

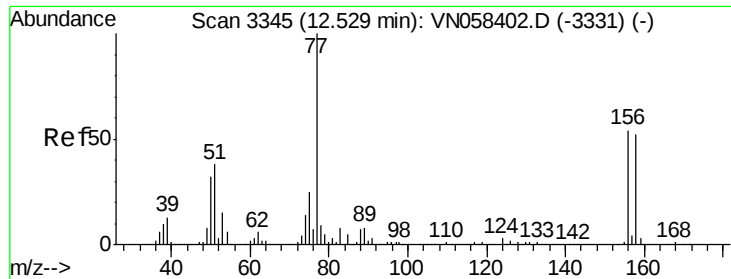
Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion:	75	Resp:	29407
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.567 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 25988

Ion Ratio Lower Upper

156 100

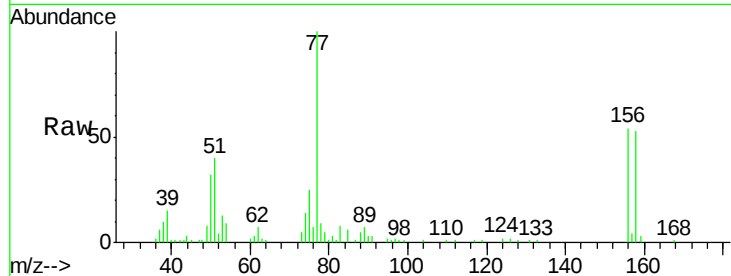
77 225.4 110.0 330.0

158 102.2 47.9 143.8

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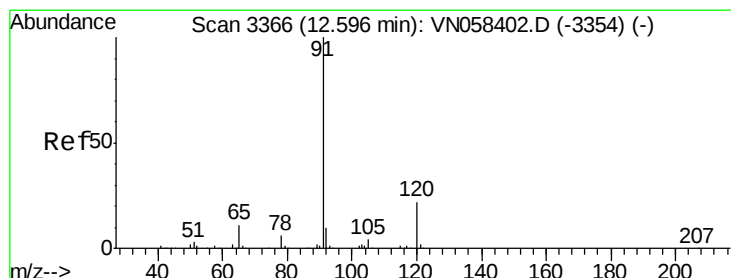
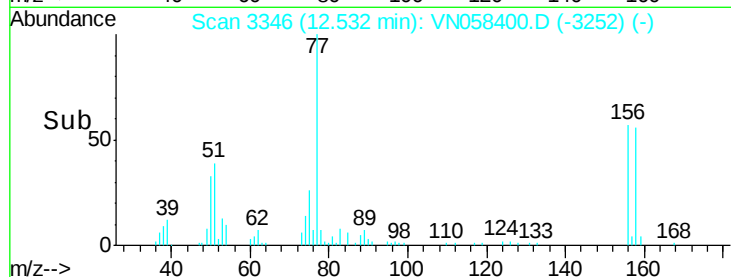
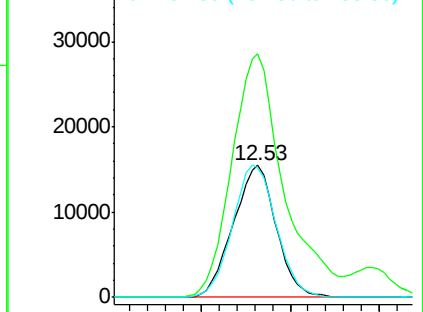
9/30/2019 10:18:29 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 6.038 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058400.D

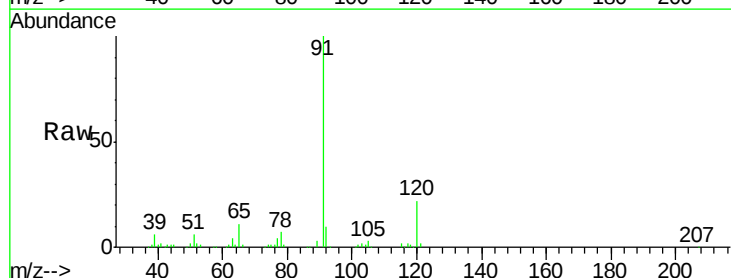
Acq: 27 Sep 2019 11:33

Tgt Ion: 91 Resp: 128548

Ion Ratio Lower Upper

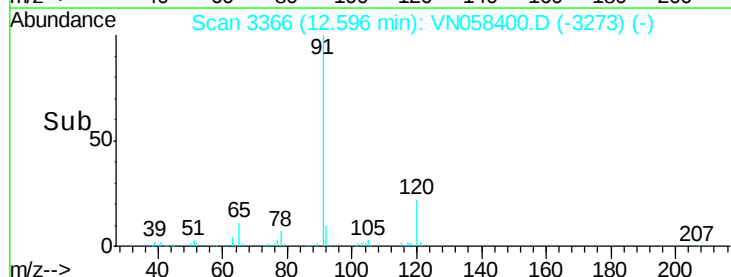
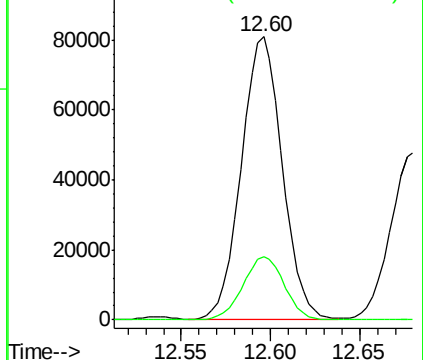
91 100

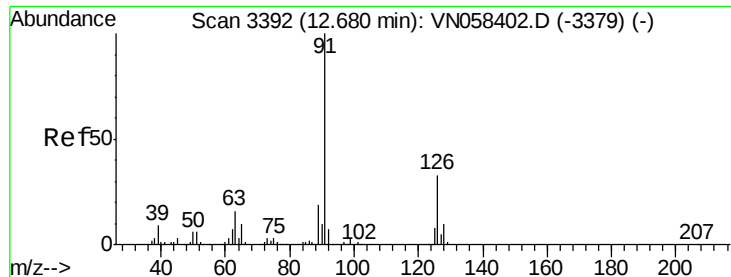
120 22.6 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.872 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 77695

Ion Ratio Lower Upper

91 100

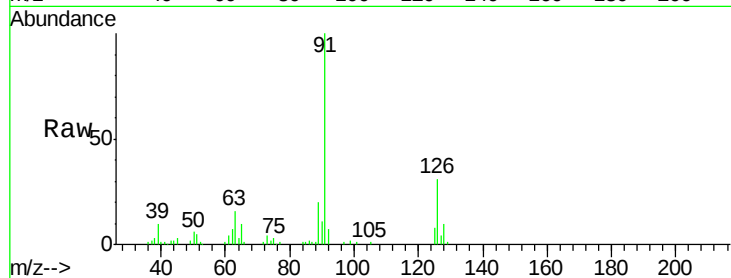
126 32.7 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VN058400.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058400.D (-3299) (-)

80000

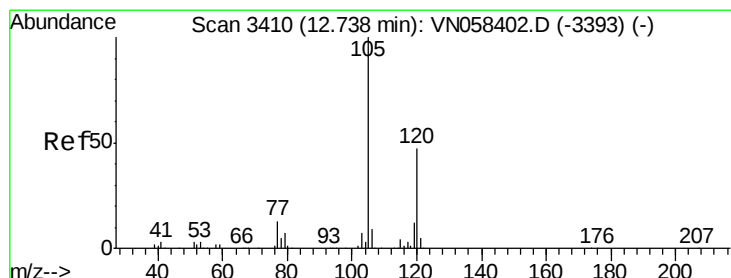
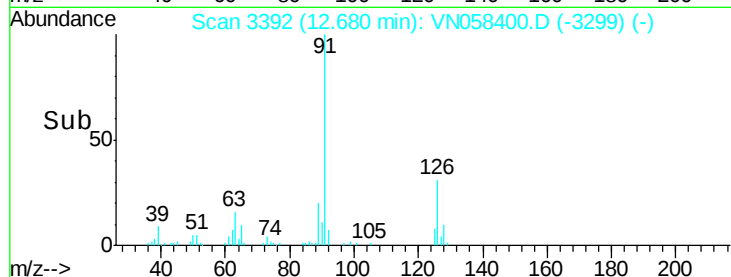
60000

40000

20000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 5.970 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058400.D

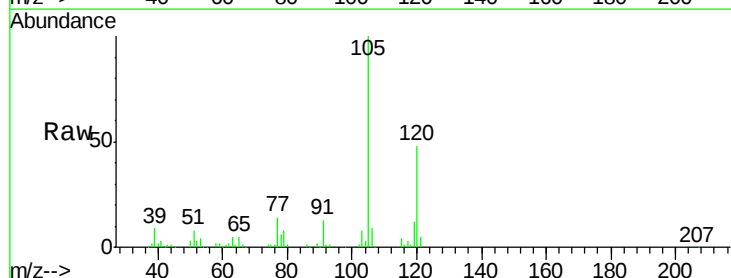
Acq: 27 Sep 2019 11:33

Tgt Ion: 105 Resp: 94201

Ion Ratio Lower Upper

105 100

120 48.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058400.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058400.D (-3317) (-)

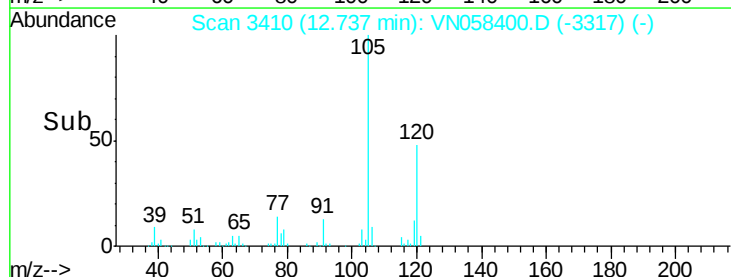
60000

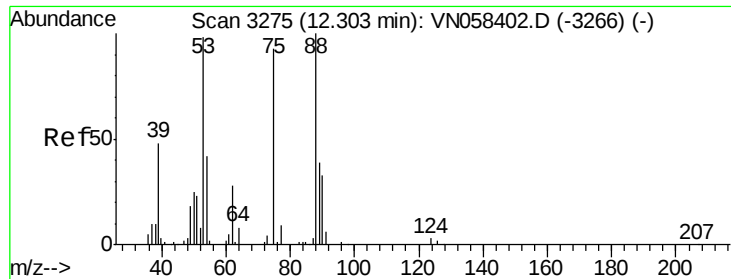
40000

20000

0

Time--> 12.70 12.80





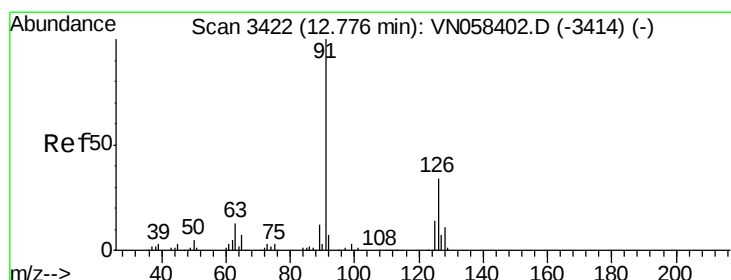
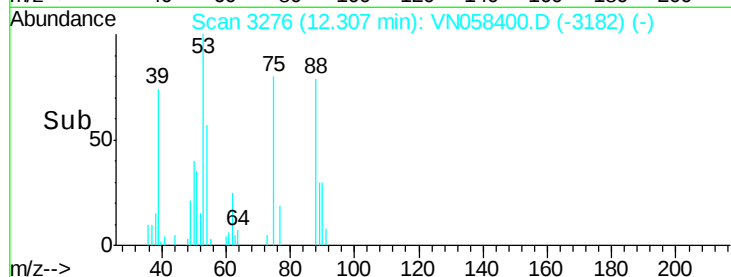
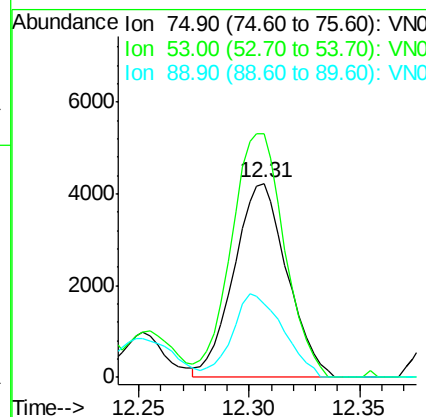
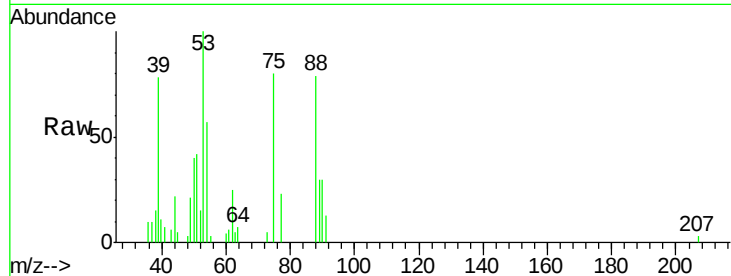
#81
trans-1,4-Dichloro-2-butene
Concen: 4.389 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.5	85.4	128.0
89	41.0	35.0	52.4

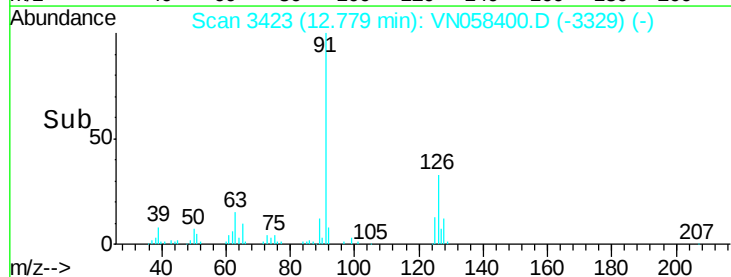
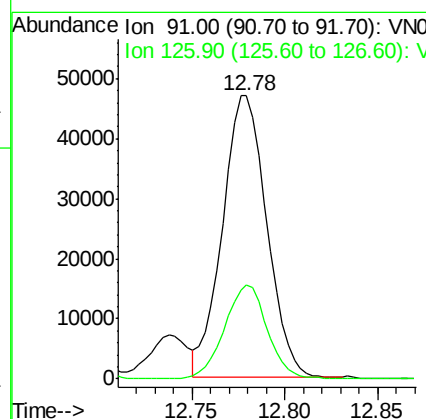
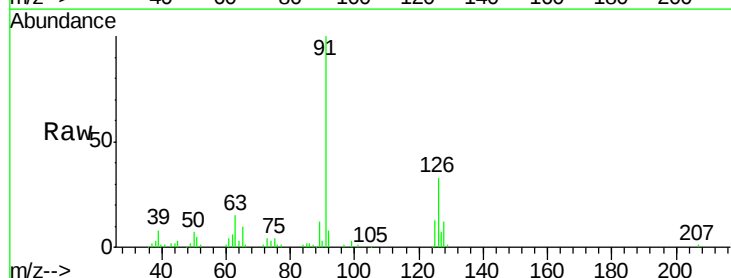
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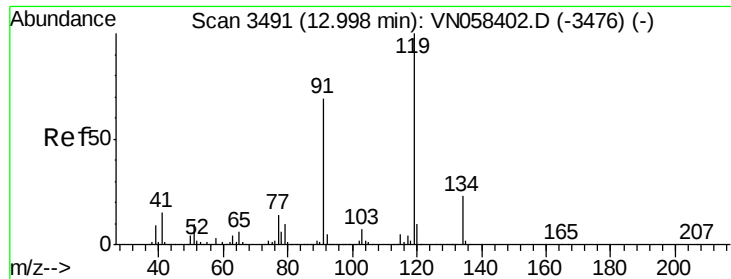
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.620 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.7





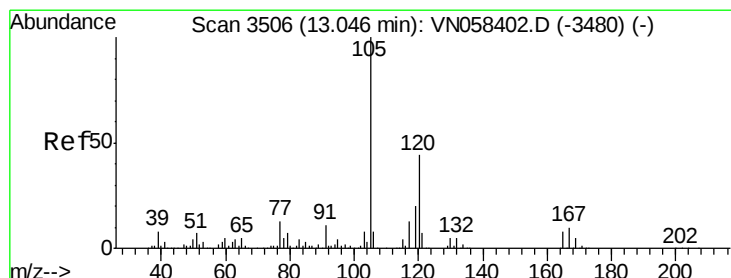
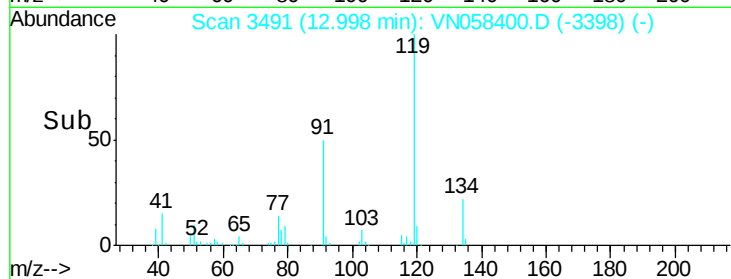
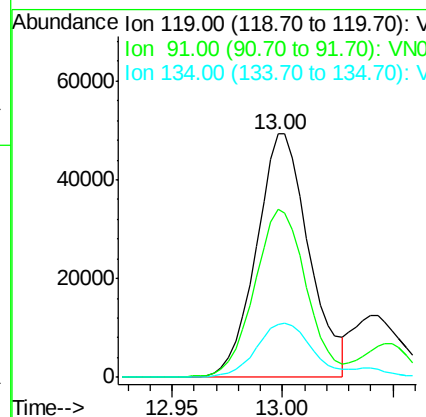
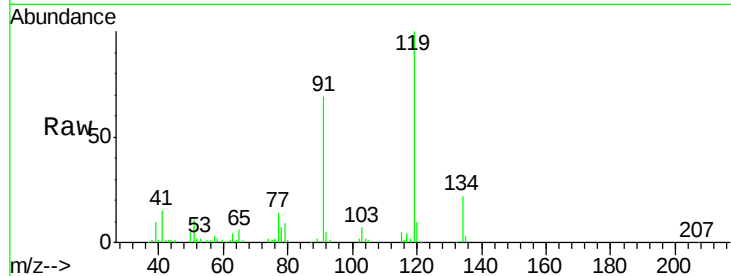
#83
tert-Butylbenzene
Concen: 5.834 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.2	102.6
134	23.6	11.6	34.8

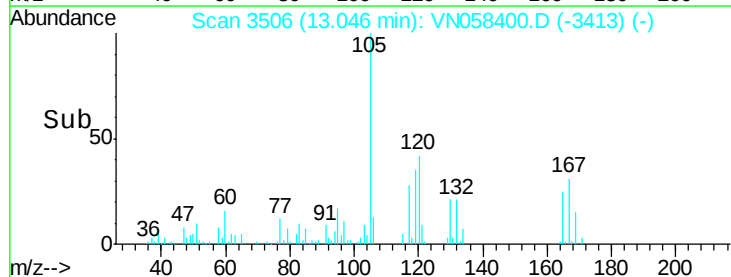
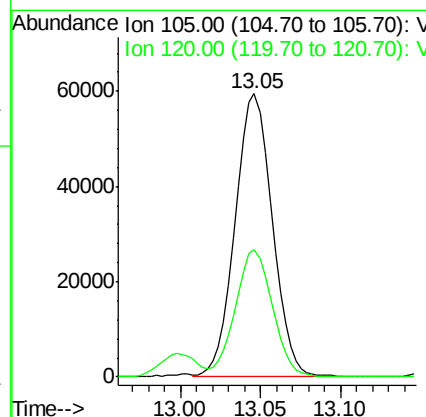
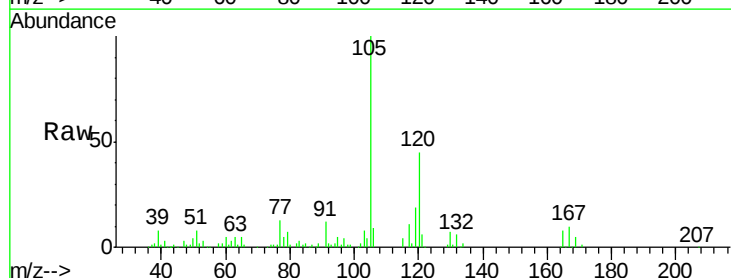
Manual Integrations
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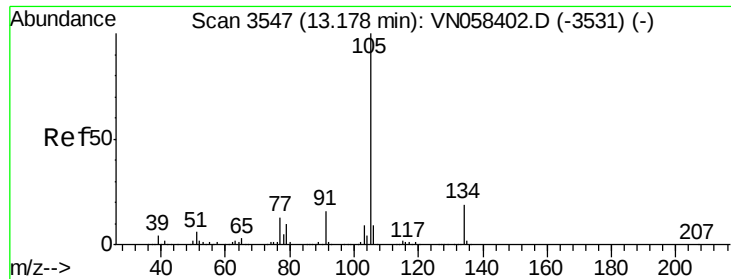
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 5.929 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.7	65.1





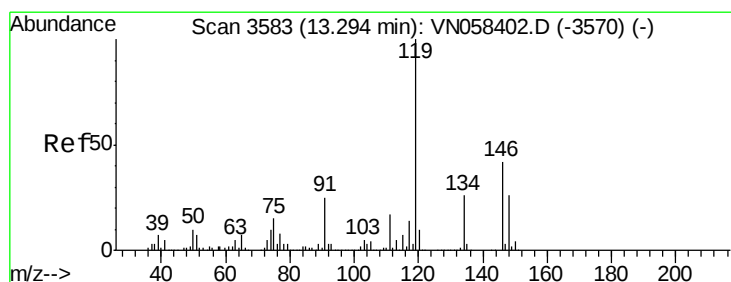
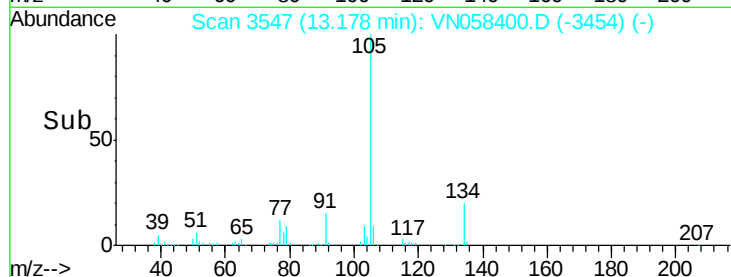
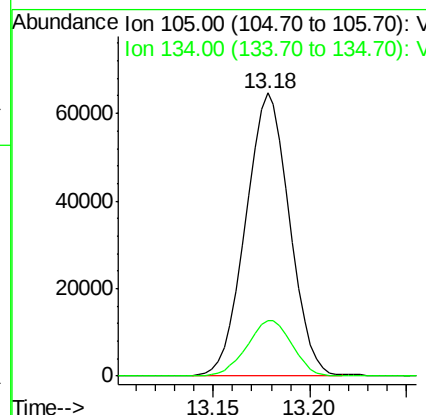
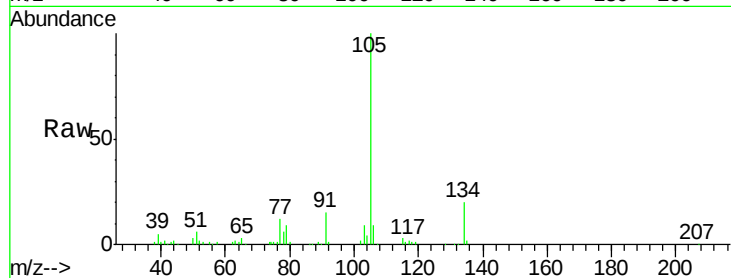
#85
 sec-Butylbenzene
 Concen: 5.593 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.4	28.2

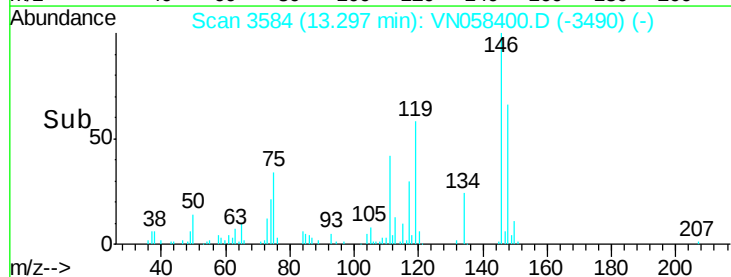
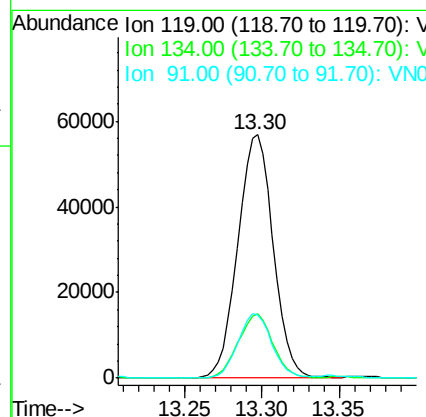
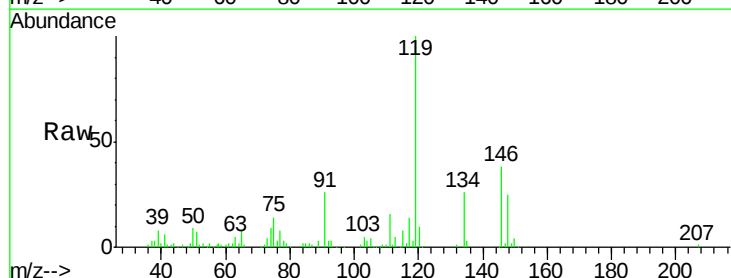
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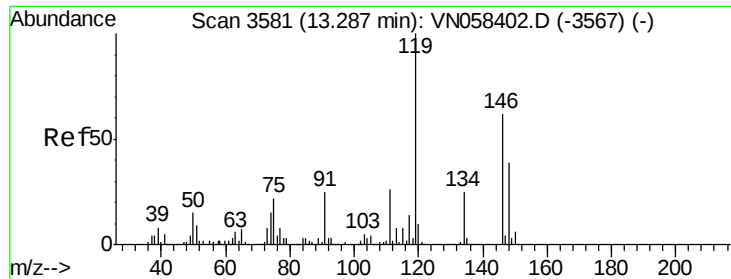
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 5.594 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.5	12.4	37.0





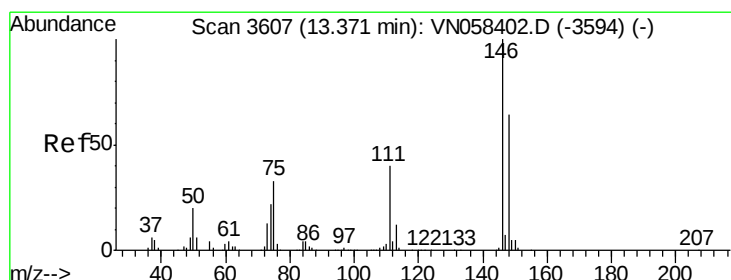
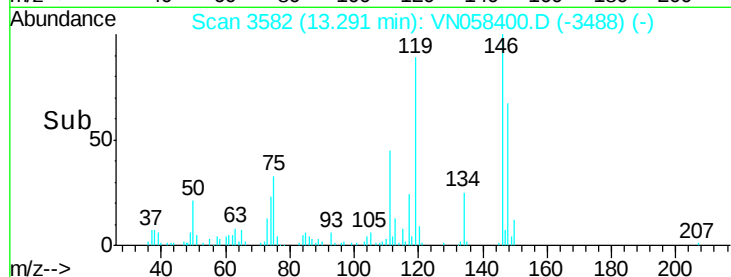
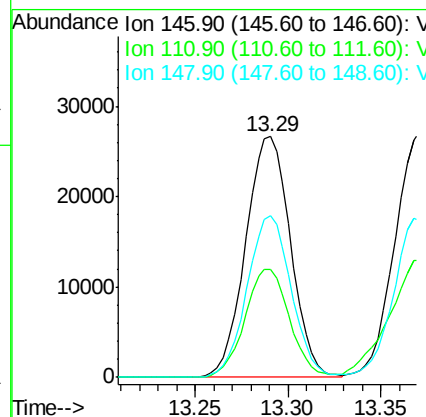
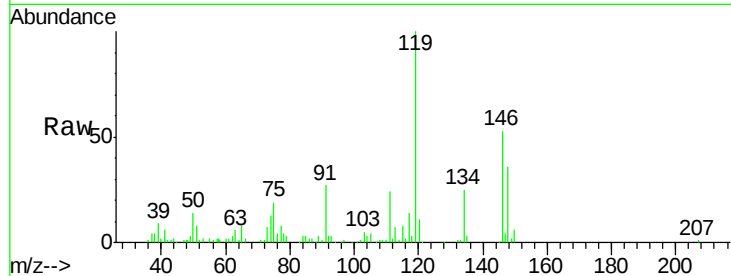
#87
 1,3-Dichlorobenzene
 Concen: 5.314 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	20.8	62.4
148	65.9	31.4	94.3

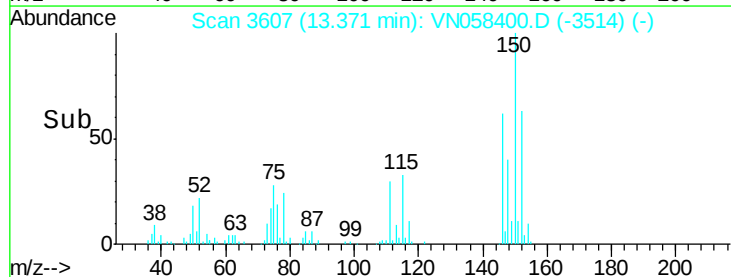
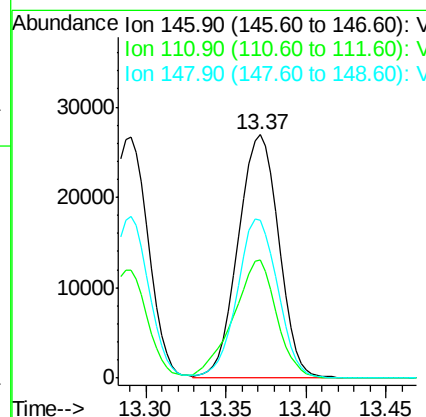
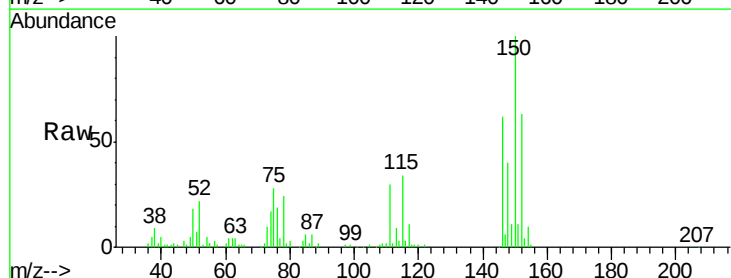
Manual Integrations
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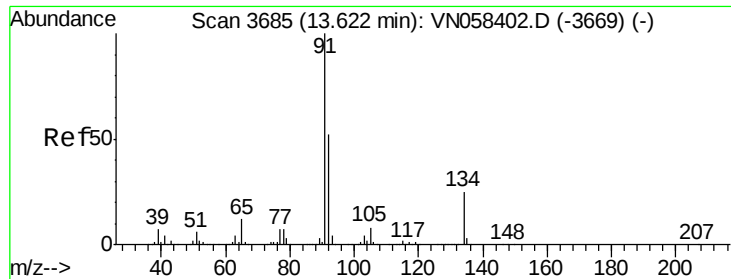
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#88
 1,4-Dichlorobenzene
 Concen: 5.425 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.9	20.5	61.6
148	65.2	31.5	94.5





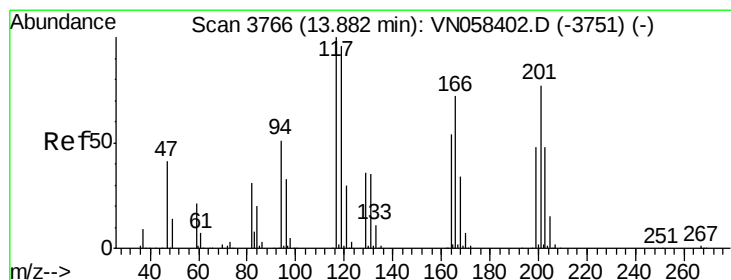
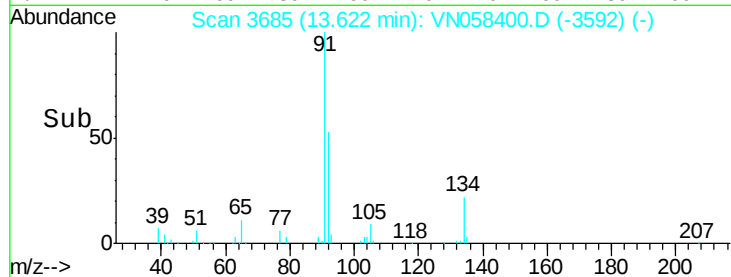
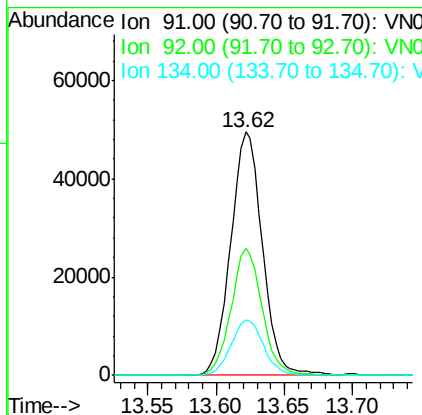
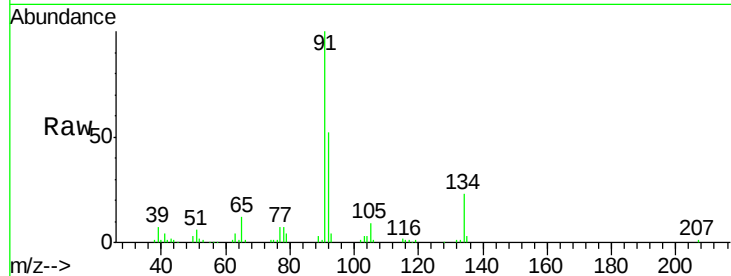
#89
n-Butylbenzene
Concen: 5.288 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.7	77.1
134	23.2	12.2	36.6

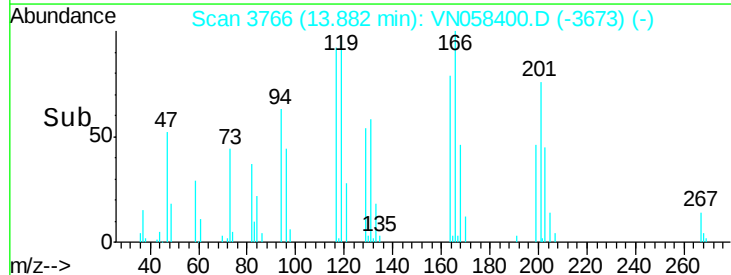
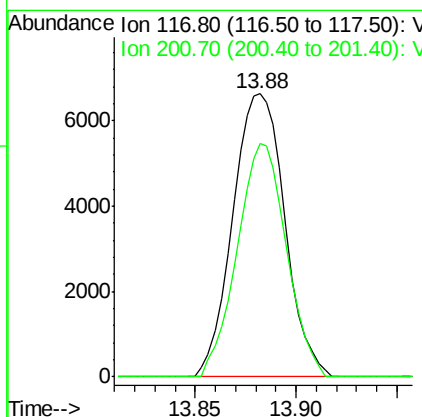
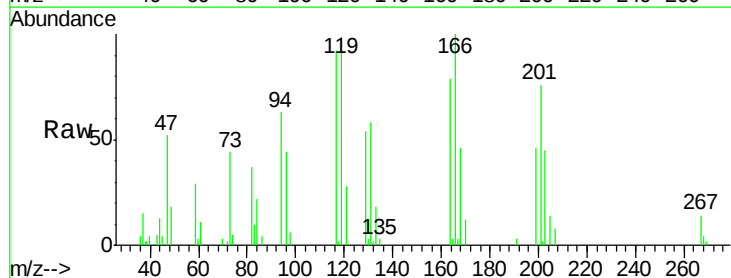
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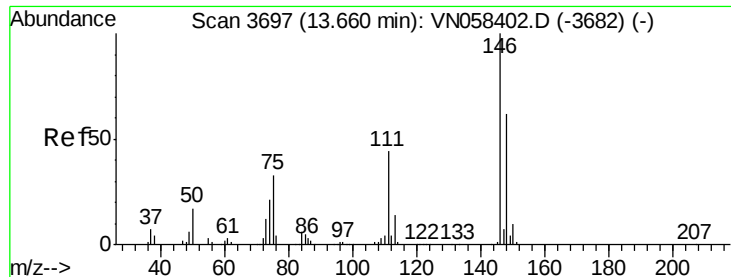
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#90
Hexachloroethane
Concen: 4.761 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	38.6	116.0





#91

1,2-Dichlorobenzene

Concen: 5.413 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

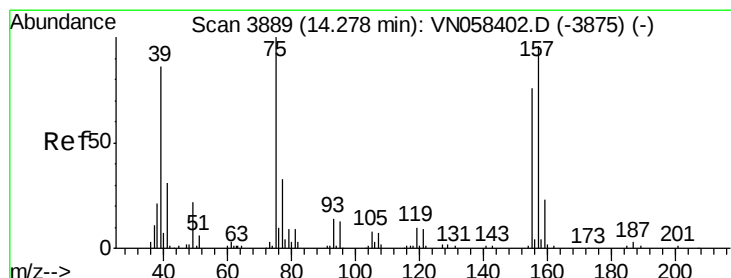
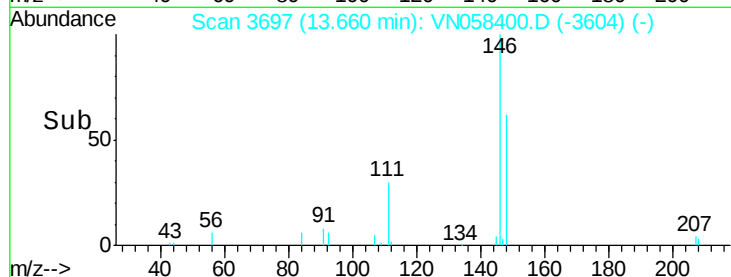
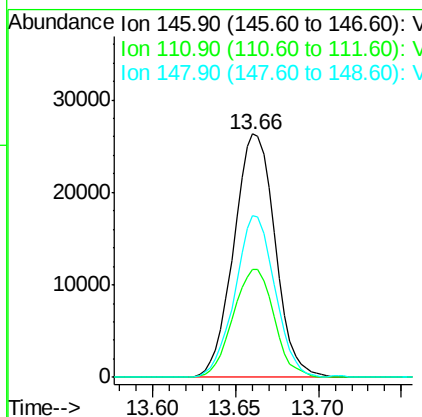
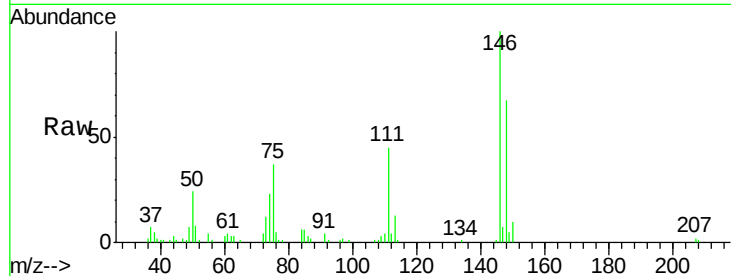
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	45573
Ion Ratio	Lower	Upper	
146	100		
111	44.0	21.8	65.3
148	64.1	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.834 ug/l

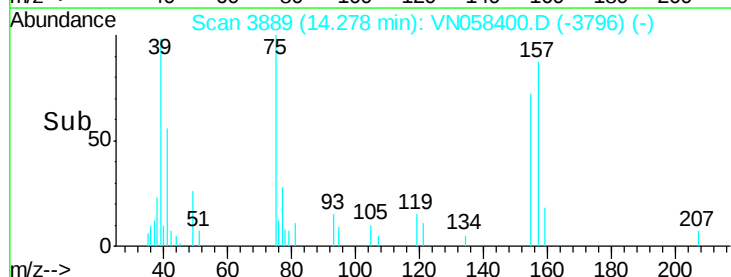
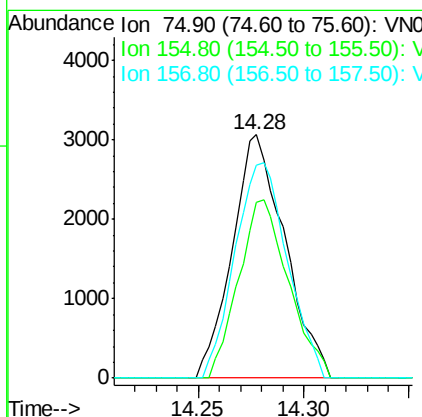
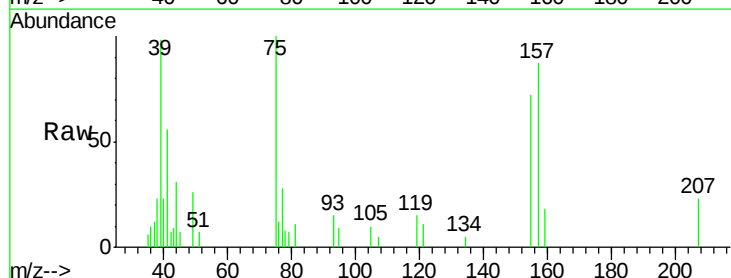
RT: 14.28 min Scan# 3889

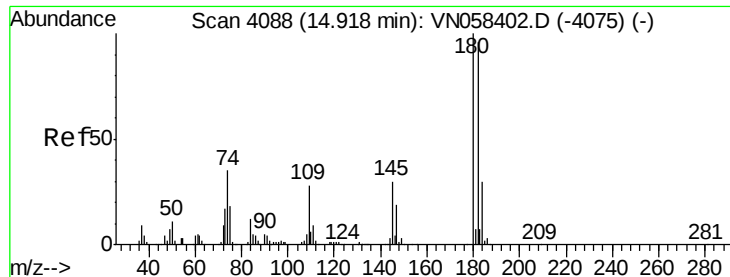
Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion:	75	Resp:	5306
Ion Ratio	Lower	Upper	
75	100		
155	69.7	39.2	117.6
157	88.1	48.7	146.1





#93

1,2,4-Trichlorobenzene

Concen: 4.021 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

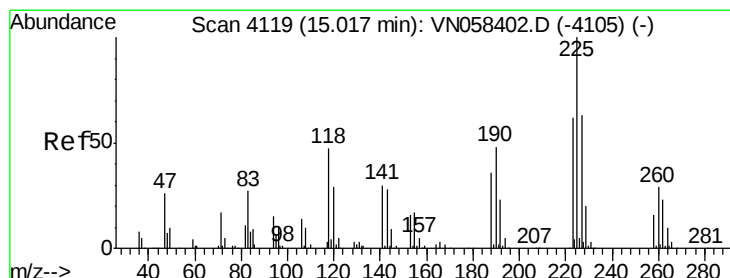
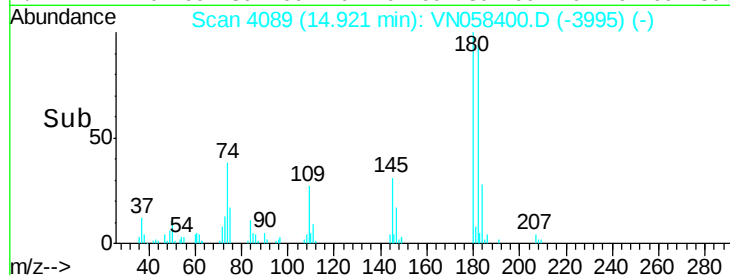
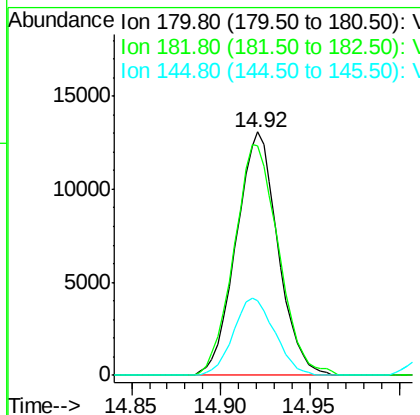
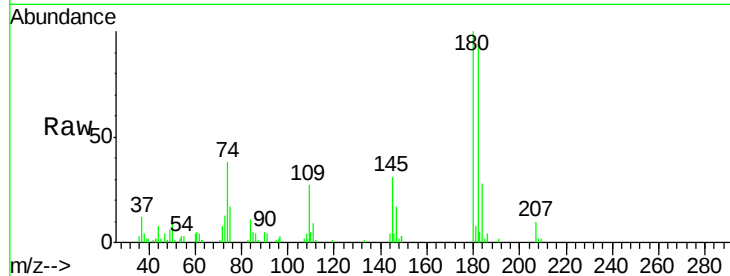
ClientSampleId :

VSTDIC005

Tot Ion:	180	Resp:	21298
Ion Ratio	Lower	Upper	
180	100		
182	101.0	47.4	142.3
145	31.5	15.3	45.9

Manual Integrations
APPROVED

MMDadoda
9/30/2019 10:18:29 AM



#94

Hexachlorobutadiene

Concen: 4.917 ug/l

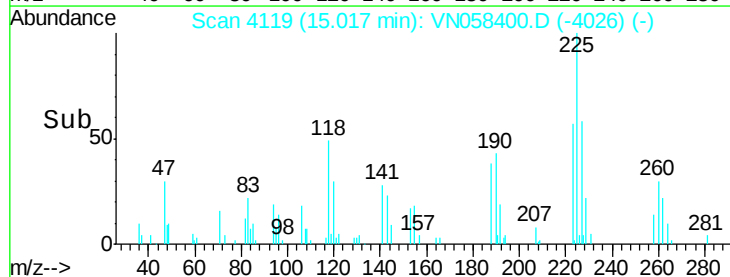
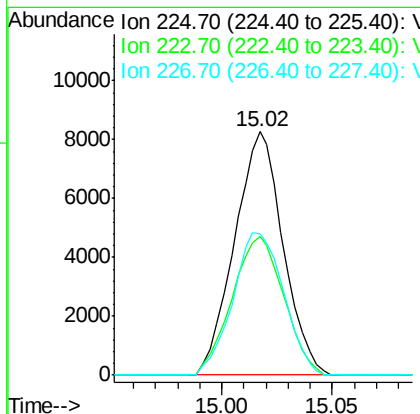
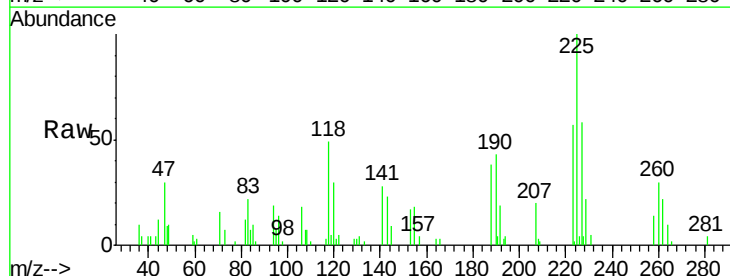
RT: 15.02 min Scan# 4119

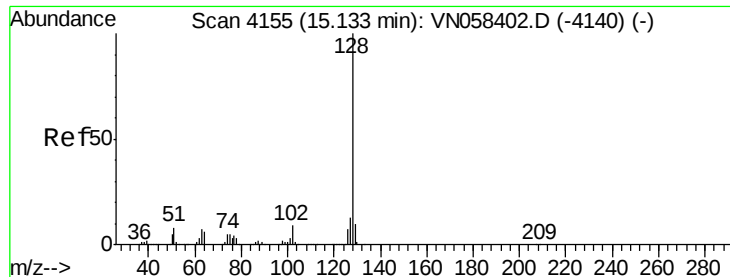
Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion:	225	Resp:	12610
Ion Ratio	Lower	Upper	
225	100		
223	60.5	31.1	93.5
227	61.4	31.4	94.2





#95

Naphthalene

Concen: 3.627 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

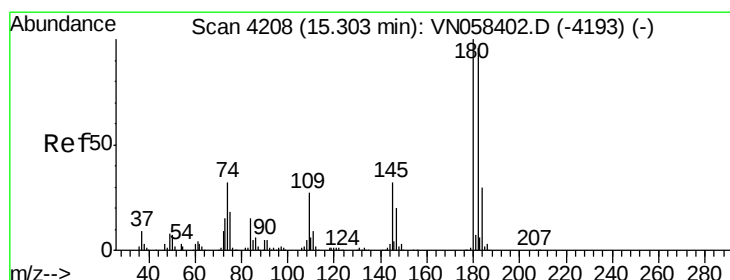
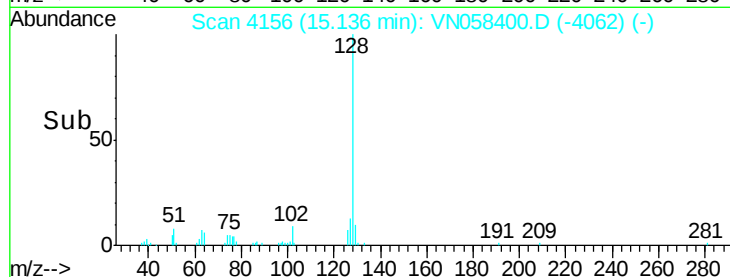
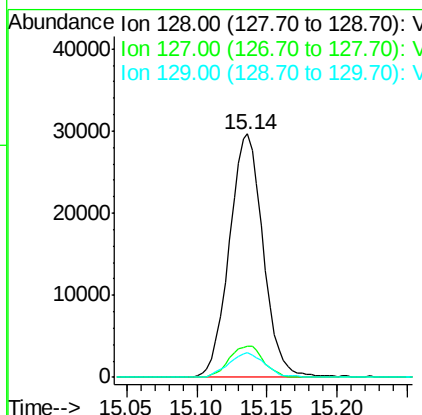
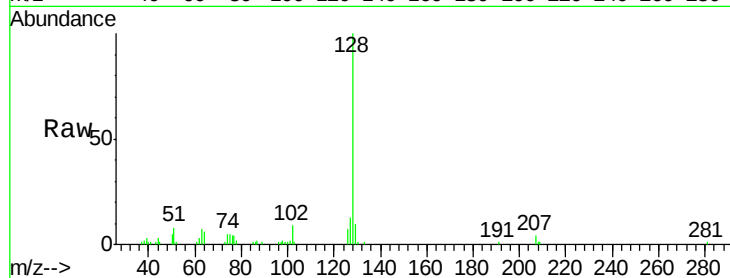
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	49678
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
9/30/2019 10:18:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 3.741 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion:	180	Resp:	18613
Ion Ratio	Lower	Upper	
180	100		
182	100.5	48.3	144.9
145	31.0	16.1	48.3

