

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN059005.D
 Acq On : 29 Oct 2019 13:11
 Operator : JC/SP
 Sample : VN1029WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:45 PM

Quant Time: Oct 30 03:48:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	407622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	659531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281345	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	297737	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.57	113	225513	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	10.08	98	841580	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	306435	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	90020	17.713	ug/l	99
3) Chloromethane	2.04	50	116878	18.569	ug/l	99
4) Vinyl Chloride	2.17	62	120664	19.307	ug/l	99
5) Bromomethane	2.54	94	69019	17.635	ug/l	98
6) Chloroethane	2.69	64	73749	18.401	ug/l	99
7) Trichlorofluoromethane	3.00	101	152775	19.756	ug/l	99
8) Diethyl Ether	3.39	74	58025	21.713	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85992	20.059	ug/l	98
10) Methyl Iodide	3.93	142	99672	17.678	ug/l	100
11) Tert butyl alcohol	4.75	59	107864	108.724	ug/l	100
12) 1,1-Dichloroethene	3.72	96	81884	20.377	ug/l	96
13) Acrolein	3.58	56	45704	67.047	ug/l	96
14) Allyl chloride	4.30	41	167679	20.621	ug/l	97
15) Acrylonitrile	4.96	53	276589	110.834	ug/l	100
16) Acetone	3.79	43	286727	97.058	ug/l	99
17) Carbon Disulfide	4.03	76	227752	17.595	ug/l	99
18) Methyl Acetate	4.30	43	163204	24.299	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	305982	21.746	ug/l	100
20) Methylene Chloride	4.53	84	99929	19.810	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	89460	20.159	ug/l	97
22) Diisopropyl ether	5.93	45	352683	22.175	ug/l	96
23) Vinyl Acetate	5.87	43	1439898	112.684	ug/l	99
24) 1,1-Dichloroethane	5.82	63	191167	20.729	ug/l	99
25) 2-Butanone	6.81	43	396488	103.391	ug/l	97
26) 2,2-Dichloropropane	6.80	77	159281	19.968	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	107088	21.124	ug/l	98
28) Bromochloromethane	7.17	49	57158	18.610	ug/l	97
29) Tetrahydrofuran	7.19	42	259947	110.809	ug/l	99
30) Chloroform	7.35	83	187421	20.260	ug/l	100
31) Cyclohexane	7.63	56	164688	19.169	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	158623	20.343	ug/l	99
36) 1,1-Dichloropropene	7.77	75	136427	20.205	ug/l	99
37) Ethyl Acetate	6.91	43	160463	21.810	ug/l	99
38) Carbon Tetrachloride	7.76	117	136963	19.690	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	145483	19.189	ug/l	99
40) Benzene	8.02	78	404777	20.415	ug/l	97
41) Methacrylonitrile	7.15	41	59246	18.080	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	153263	20.066	ug/l	100
43) Isopropyl Acetate	8.15	43	250291	21.212	ug/l	99
44) Trichloroethene	8.82	130	98131	20.317	ug/l	99
45) 1,2-Dichloropropane	9.11	63	115672	21.275	ug/l	100
46) Dibromomethane	9.20	93	69526	20.228	ug/l	99
47) Bromodichloromethane	9.39	83	144849	20.447	ug/l	99
48) Methyl methacrylate	9.19	41	112087	20.937	ug/l	98
49) 1,4-Dioxane	9.18	88	36189	411.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	807559	117.173	ug/l	99
52) Toluene	10.15	92	247300	21.032	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	161632	20.610	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	175790	20.981	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	101444	20.943	ug/l	97
56) Ethyl methacrylate	10.42	69	154095	20.242	ug/l	98
57) 1,3-Dichloropropane	10.70	76	179414	21.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	300194	91.055	ug/l	100
59) 2-Hexanone	10.75	43	601228	112.892	ug/l	99
60) Dibromochloromethane	10.90	129	108647	20.839	ug/l	100
61) 1,2-Dibromoethane	11.00	107	101985	20.574	ug/l	98
64) Tetrachloroethene	10.63	164	84308	20.067	ug/l	94
65) Chlorobenzene	11.43	112	261958	21.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	100352	21.774	ug/l	100
67) Ethyl Benzene	11.51	91	466825	21.789	ug/l	98
68) m/p-Xylenes	11.62	106	343413	43.222	ug/l	100
69) o-Xylene	11.95	106	163177	21.534	ug/l	99
70) Styrene	11.97	104	267116	20.156	ug/l	99
71) Bromoform	12.13	173	77016	21.550	ug/l #	98
73) Isopropylbenzene	12.25	105	447626	21.771	ug/l	99
74) N-amyl acetate	12.07	43	206035	22.103	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	161178	22.294	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141343m	21.677	ug/l	
77) Bromobenzene	12.53	156	109848	21.675	ug/l	97
78) n-propylbenzene	12.59	91	521101	21.441	ug/l	99
79) 2-Chlorotoluene	12.68	91	317070	21.316	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	379288	21.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52575	21.005	ug/l	99
82) 4-Chlorotoluene	12.78	91	319981	21.050	ug/l	99
83) tert-Butylbenzene	13.00	119	327030	22.138	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	375555	22.041	ug/l	98
85) sec-Butylbenzene	13.18	105	434725	22.072	ug/l	99
86) p-Isopropyltoluene	13.29	119	382393	22.004	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	188213	20.770	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	185156	20.408	ug/l	98
89) n-Butylbenzene	13.62	91	327709	20.528	ug/l	99
90) Hexachloroethane	13.88	117	74576	21.178	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	190557	21.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	33584	20.538	ug/l	98

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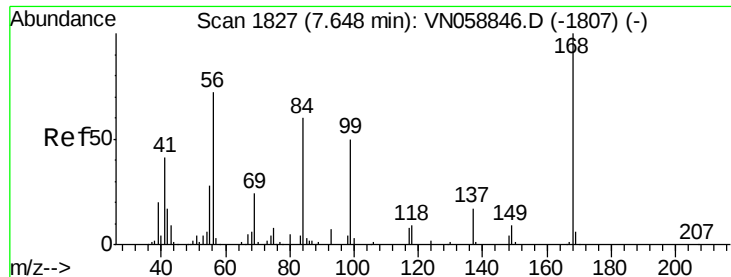
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	102765	19.925	ug/l	99
94) Hexachlorobutadiene	15.01	225	60563	20.979	ug/l	99
95) Naphthalene	15.13	128	279709	18.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	102707	20.309	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion:168 Resp: 407622

Ion Ratio Lower Upper

168 100

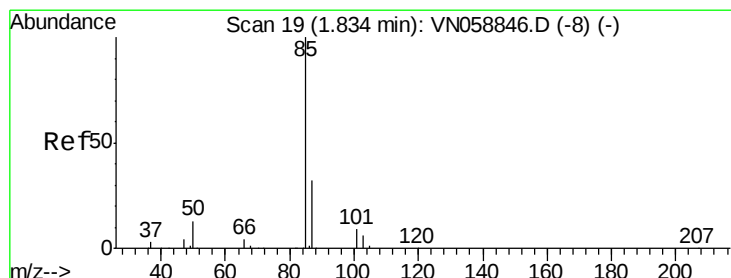
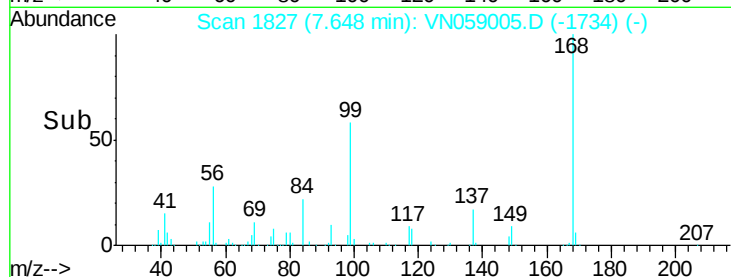
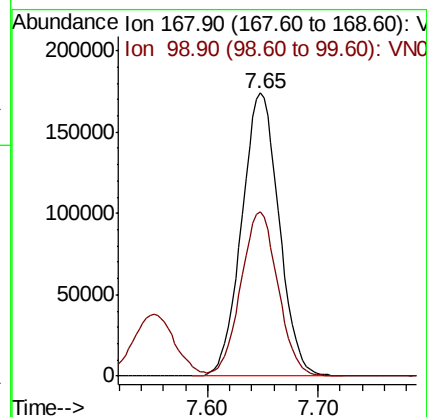
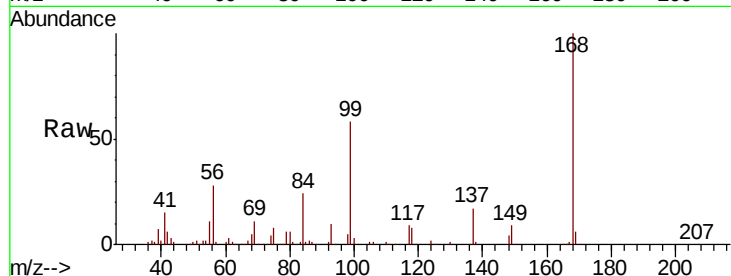
99 57.8 48.1 72.1

Manual Integrations

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10/30/2019 3:53:45 PM



#2

Dichlorodifluoromethane

Concen: 17.713 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059005.D

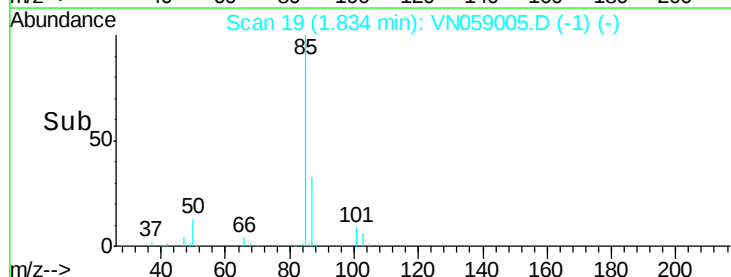
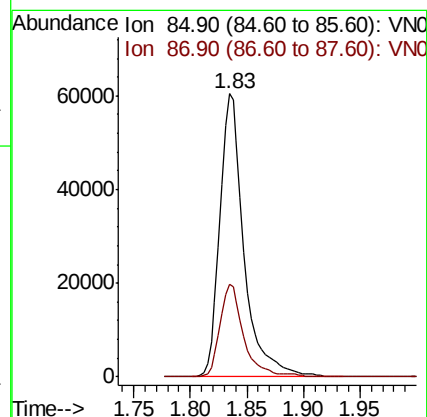
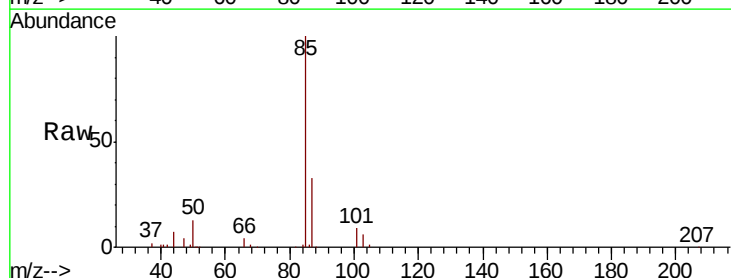
Acq: 29 Oct 2019 13:11

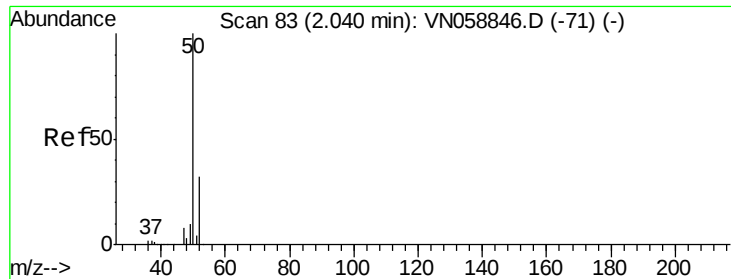
Tgt Ion: 85 Resp: 90020

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5





#3

Chloromethane

Concen: 18.569 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 50 Resp: 116878

Ion Ratio Lower Upper

50 100

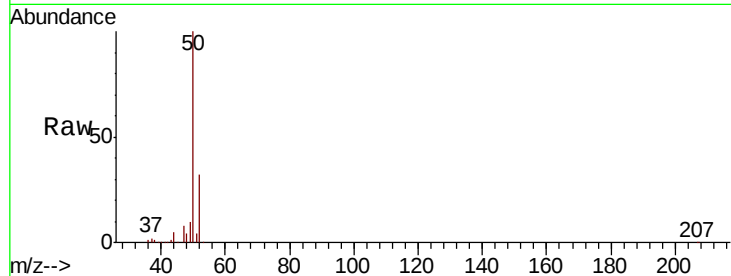
52 31.7 25.7 38.5

Manual Integrations

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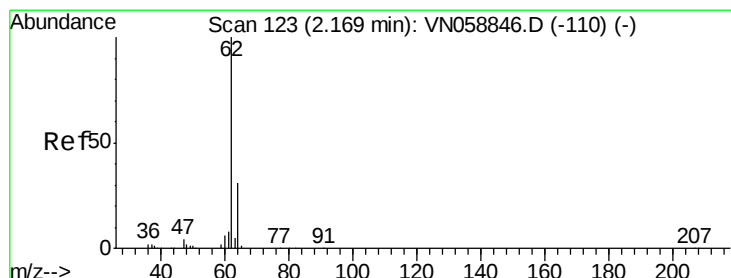
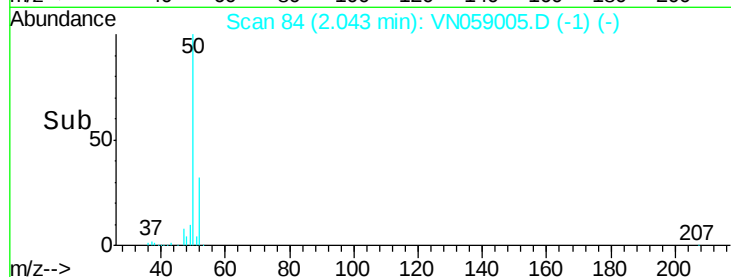
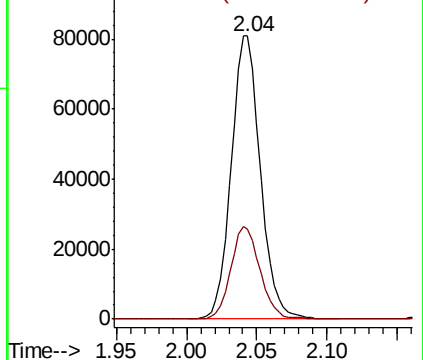
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.307 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059005.D

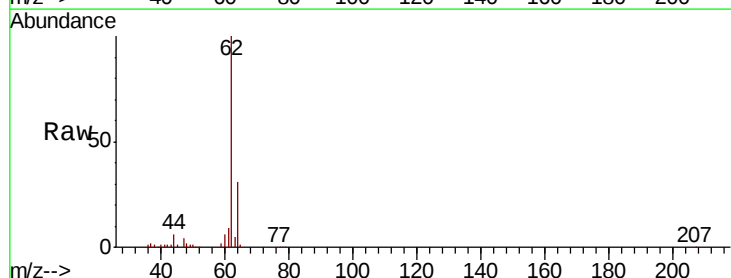
Acq: 29 Oct 2019 13:11

Tgt Ion: 62 Resp: 120664

Ion Ratio Lower Upper

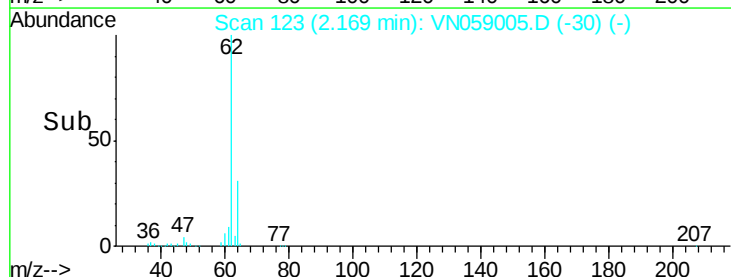
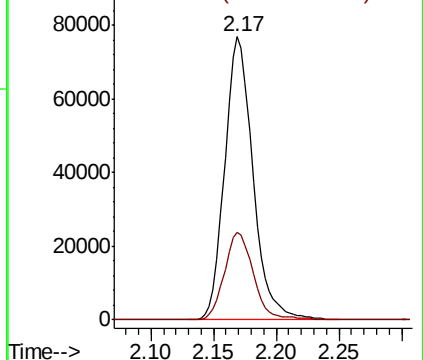
62 100

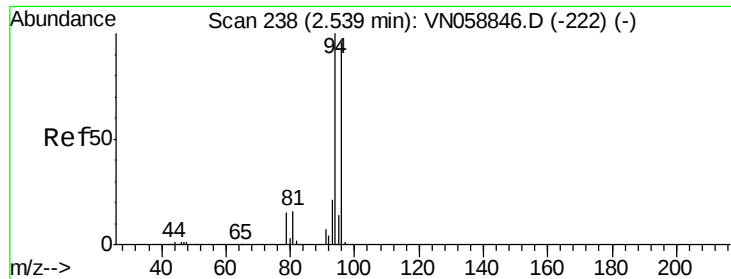
64 31.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.635 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 94 Resp: 69019

Ion Ratio Lower Upper

94 100

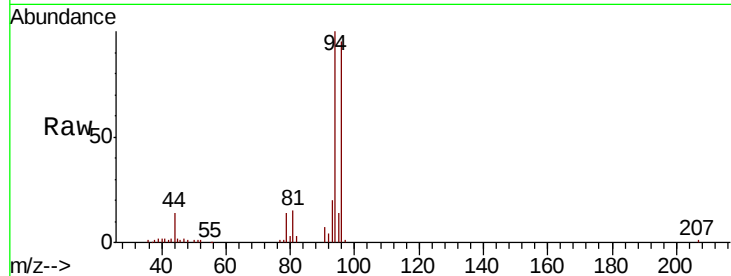
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Manual Integrations

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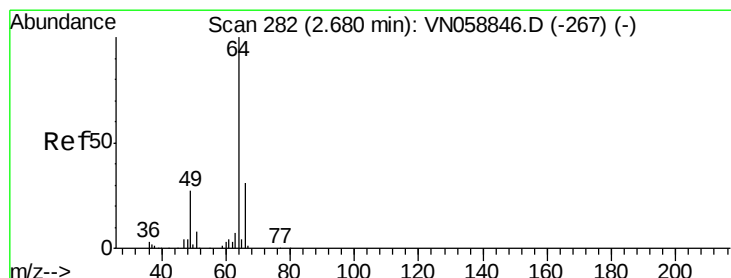
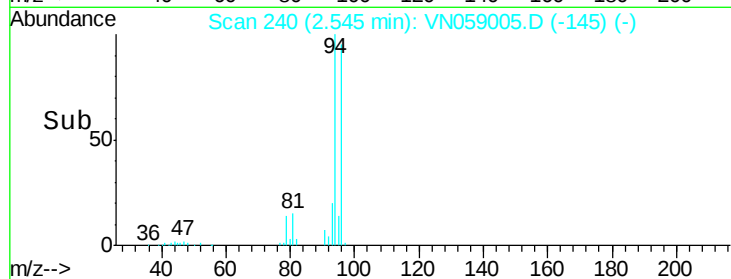
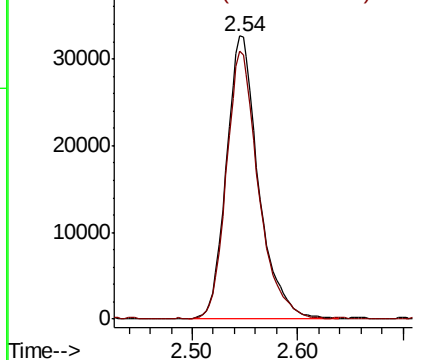
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.401 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059005.D

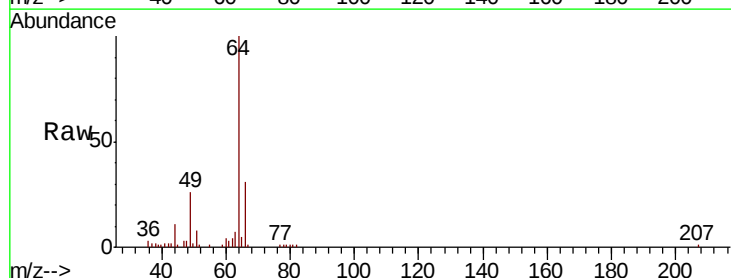
Acq: 29 Oct 2019 13:11

Tgt Ion: 64 Resp: 73749

Ion Ratio Lower Upper

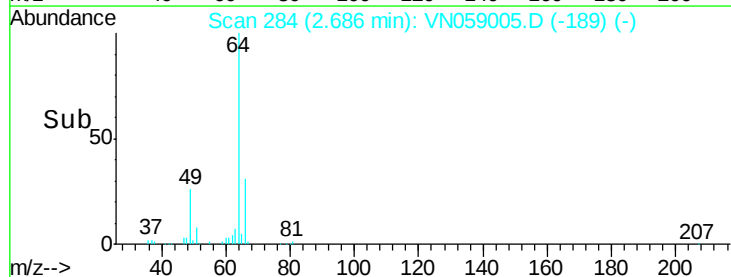
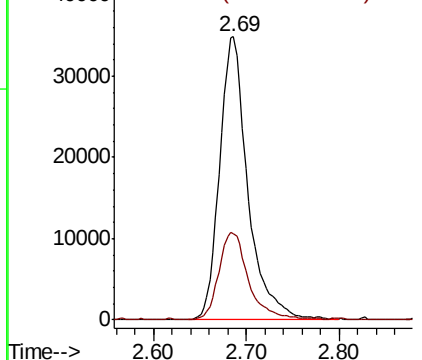
64 100

66 30.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

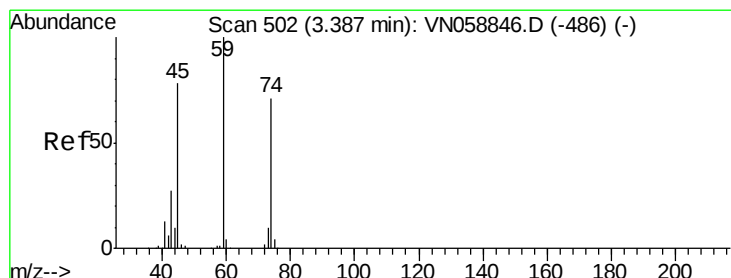
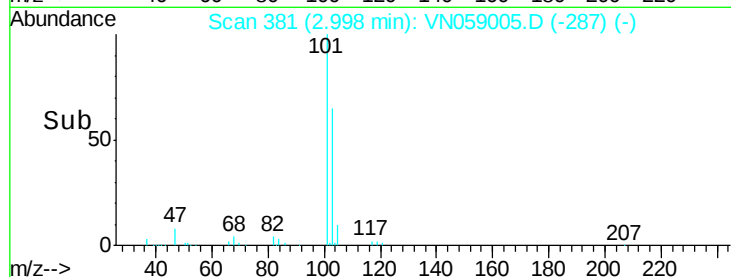
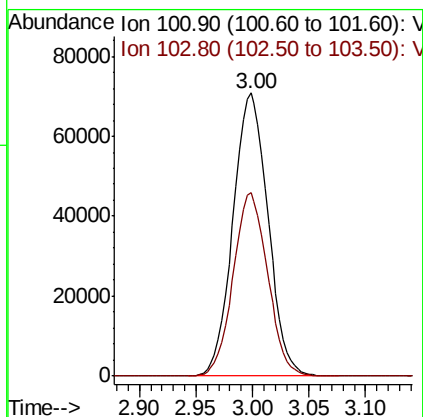
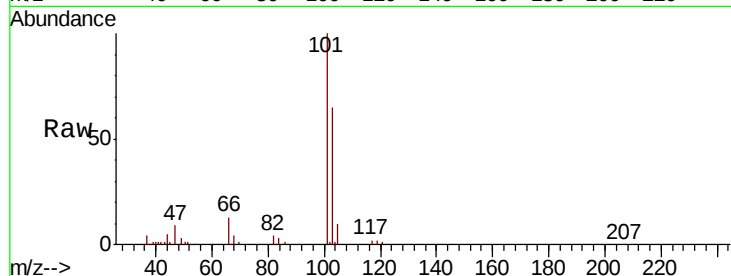
Trichlorofluoromethane
Concen: 19.756 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
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VN1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	152775		
103	64.7	52.2	78.2	

Manual Integrations
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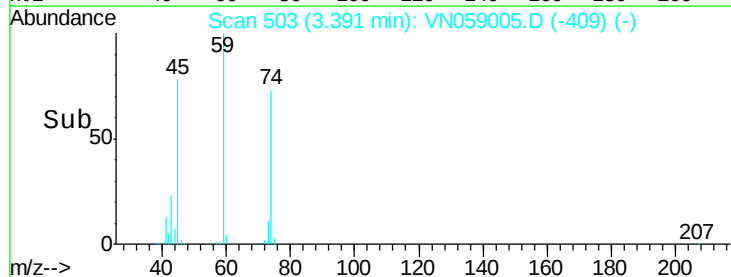
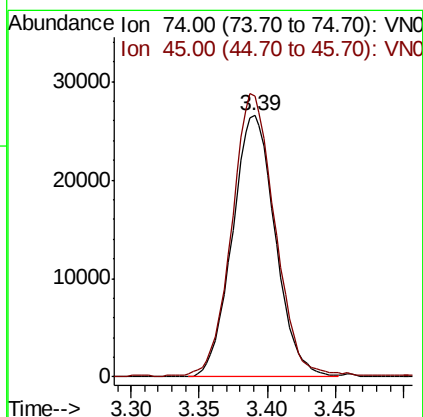
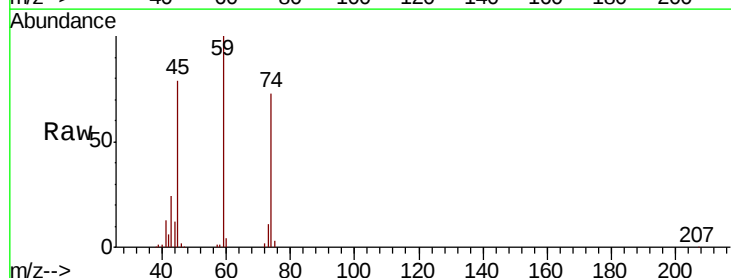
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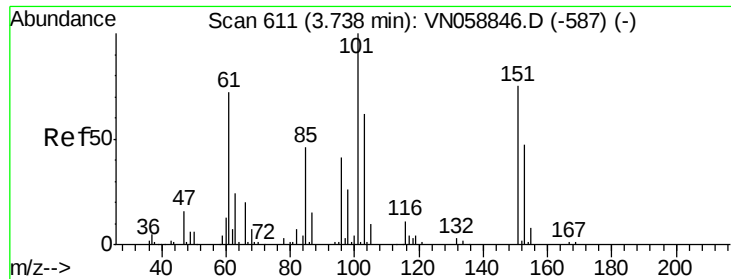


#8

Diethyl Ether
Concen: 21.713 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	58025		
45	109.7	54.9	164.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.059 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

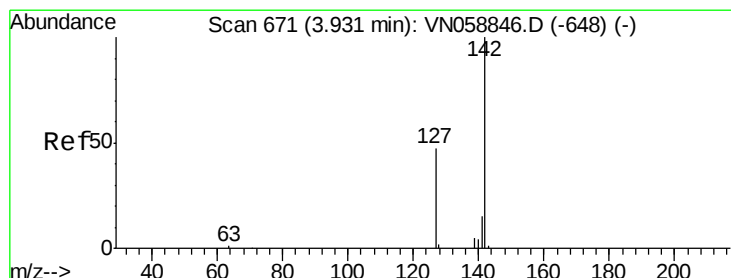
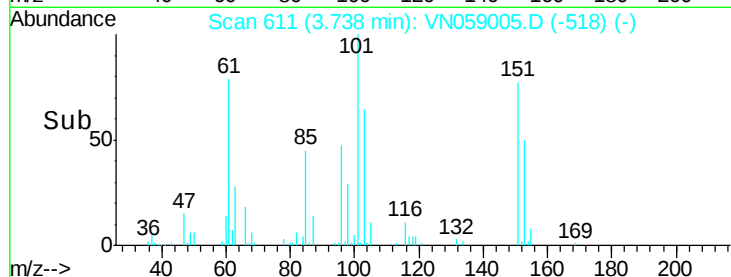
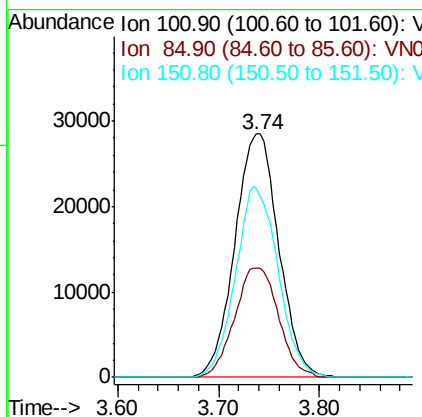
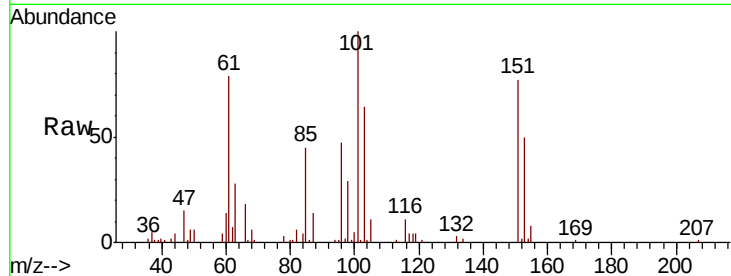
ClientSampleId :

VN1029WBSD01

Tot Ion:	101	Resp:	85992
Ion Ratio	Lower	Upper	
101	100		
85	44.9	37.2	55.8
151	76.1	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 17.678 ug/l

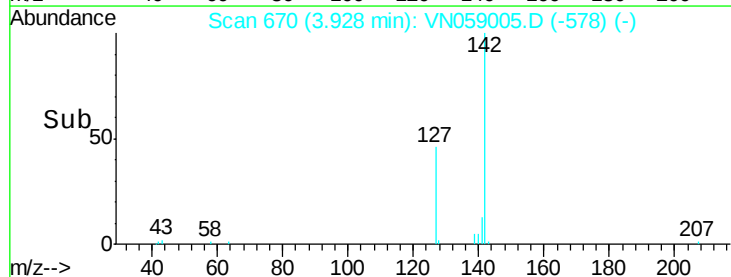
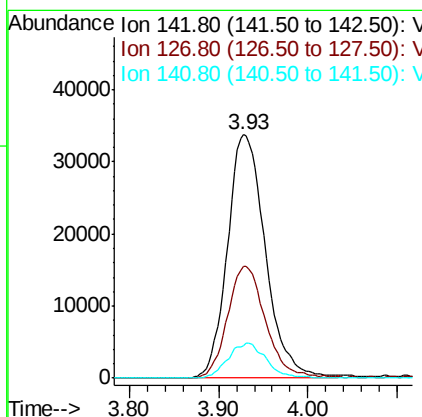
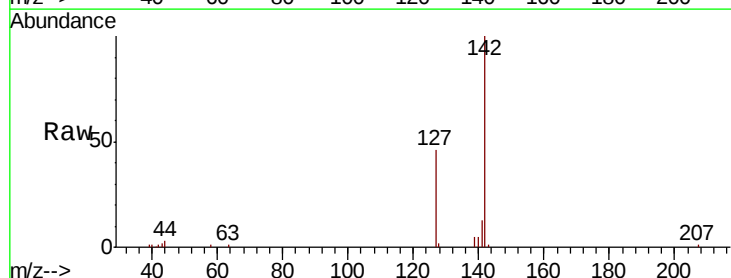
RT: 3.93 min Scan# 670

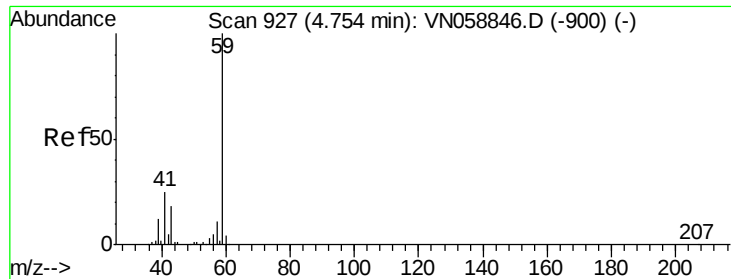
Delta R.T. -0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion:	142	Resp:	99672
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.6	54.8
141	14.3	11.4	17.2





#11

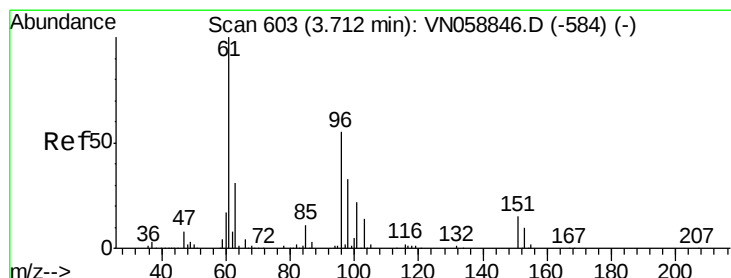
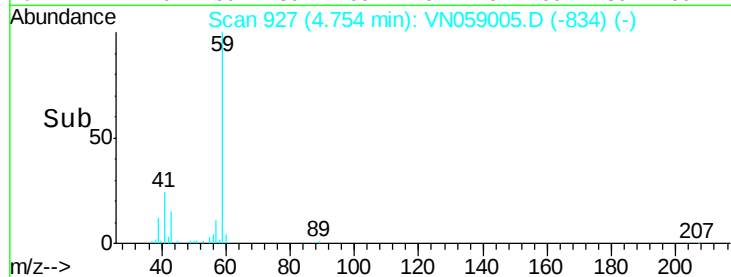
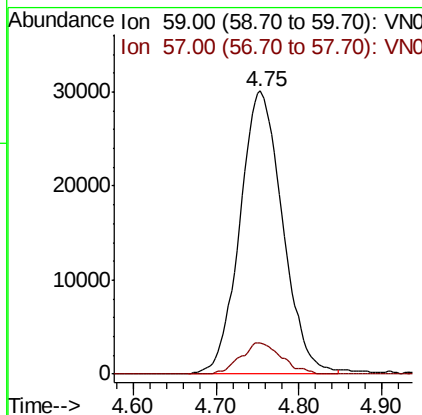
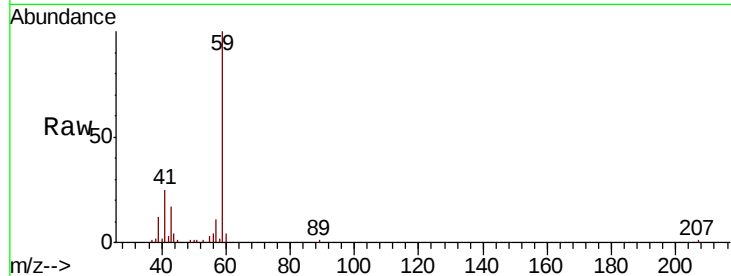
Tert butyl alcohol
Concen: 108.724 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	59	57	Ratio	100	10.6	Resp:	107864	Lower	8.6	Upper	12.8
Ion											

Manual Integrations
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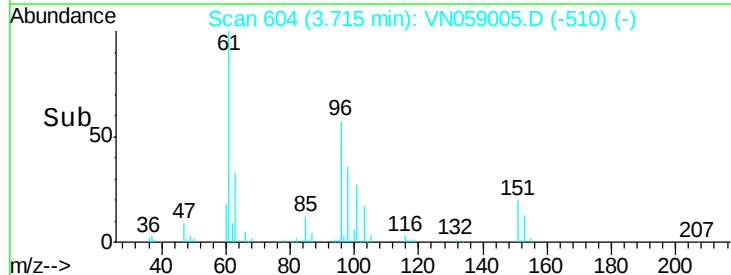
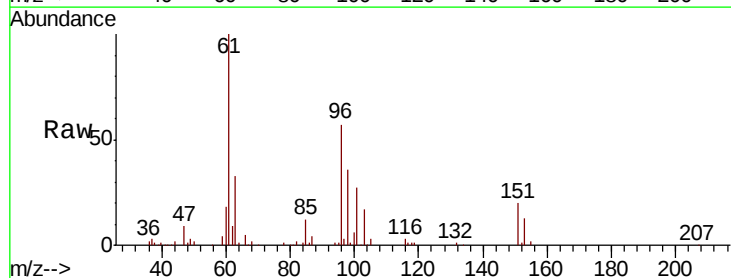
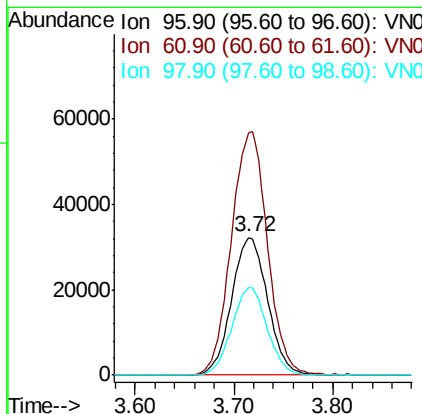
MMDadoda
10/30/2019 3:53:45 PM

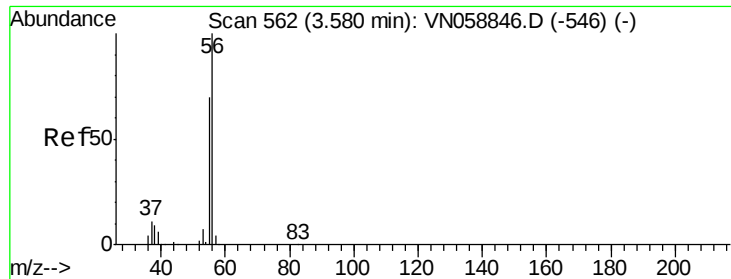


#12

1,1-Dichloroethene
Concen: 20.377 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	96	61	98	Ratio	100	176.0	63.9	Resp:	81884	Lower	146.2	48.7	Upper	219.2	73.1
Ion															





#13

Acrolein

Concen: 67.047 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 56 Resp: 45704

Ion Ratio Lower Upper

56 100

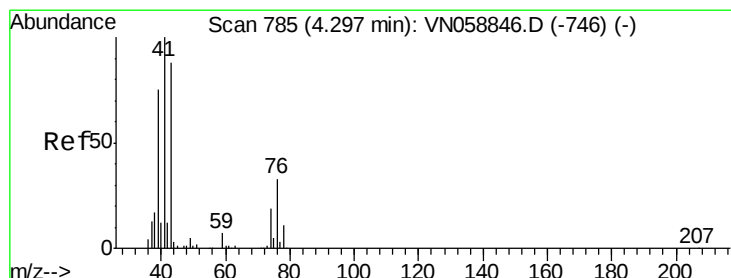
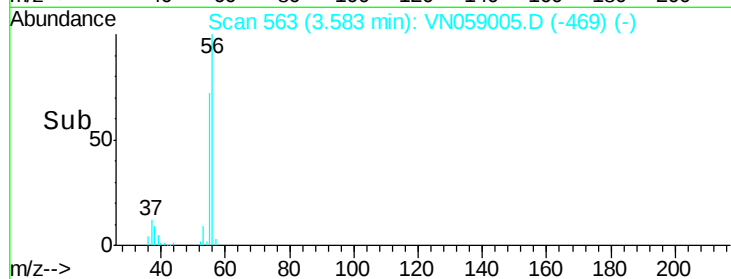
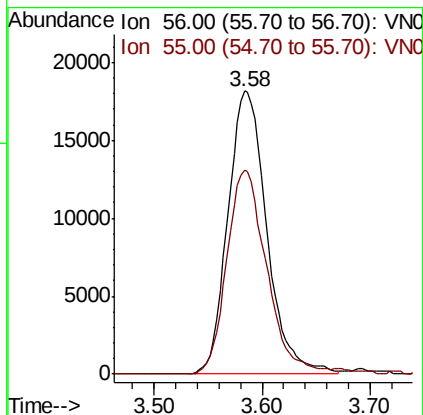
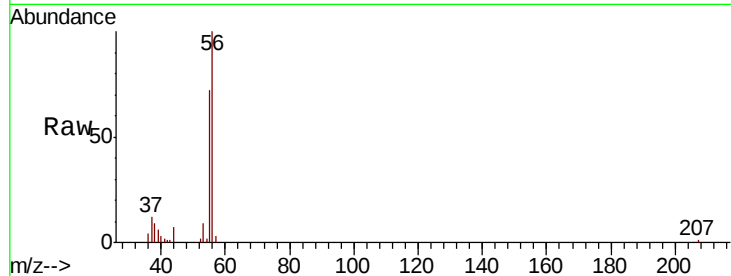
55 73.7 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.621 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

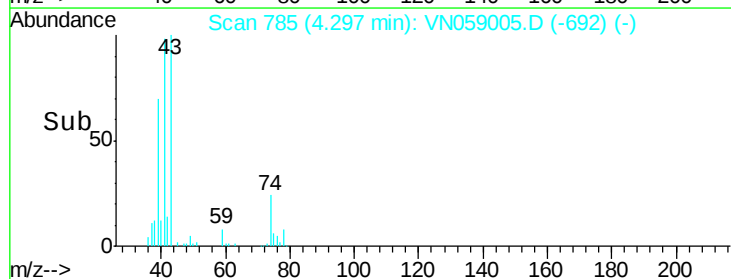
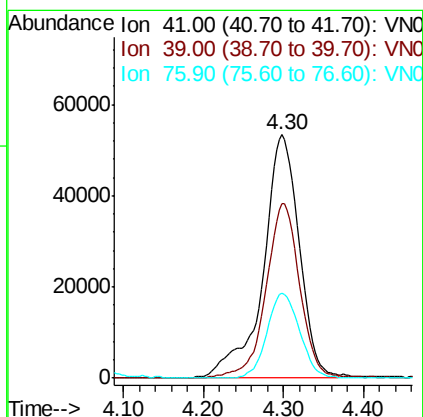
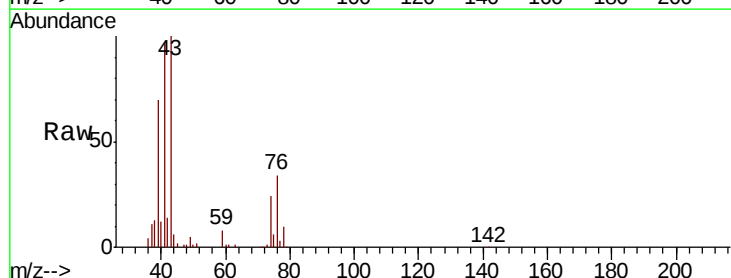
Tgt Ion: 41 Resp: 167679

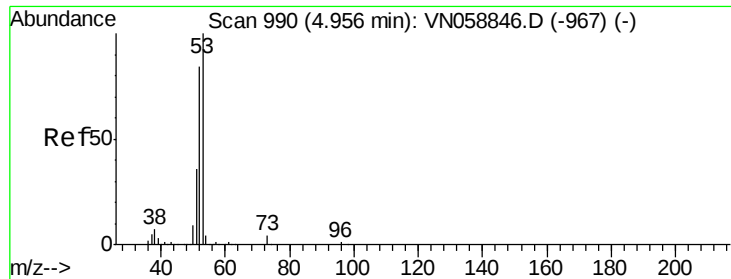
Ion Ratio Lower Upper

41 100

39 67.4 55.9 83.9

76 31.5 24.1 36.1





#15

Acrylonitrile

Concen: 110.834 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

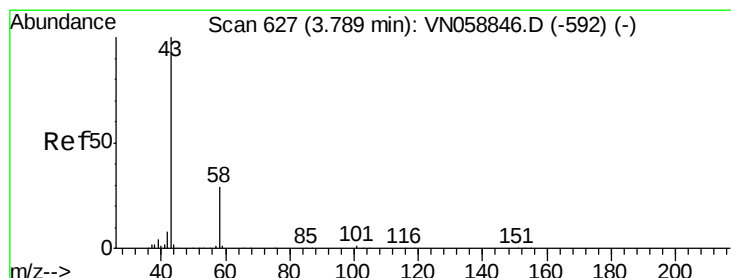
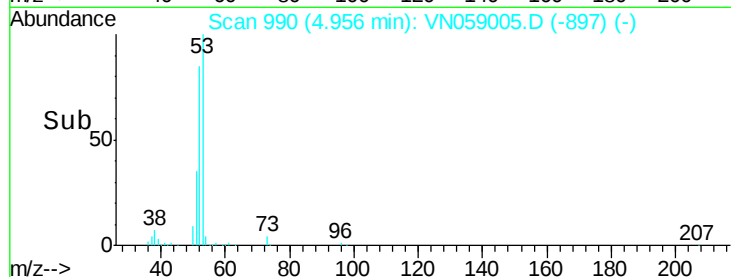
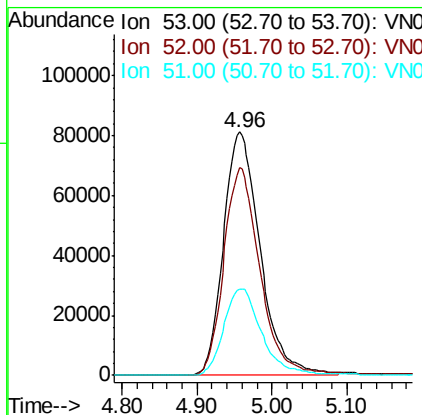
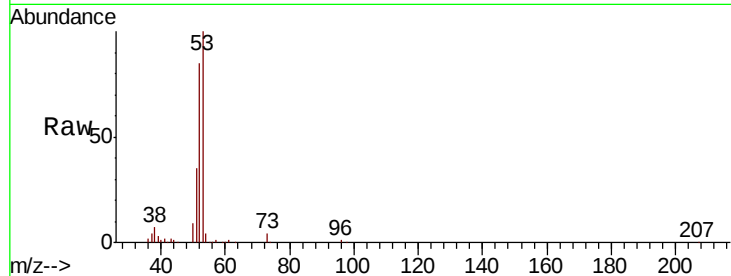
ClientSampleId :

VN1029WBSD01

Tot Ion:	53	Resp:	276589
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	99.8
51	37.0	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 97.058 ug/l

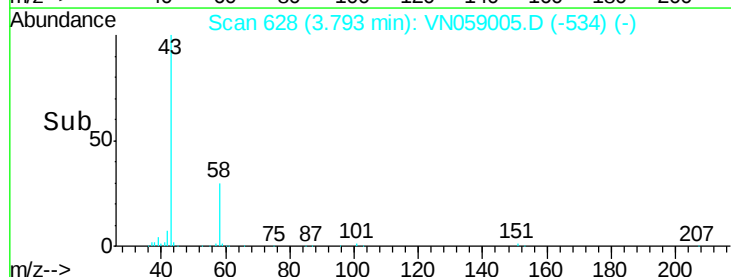
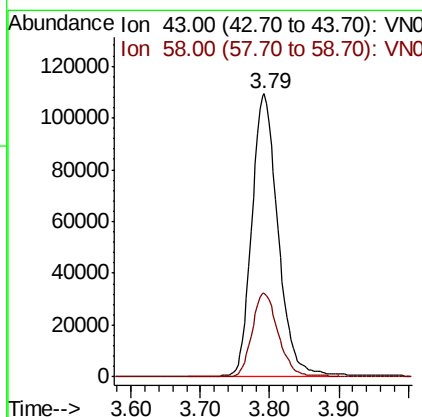
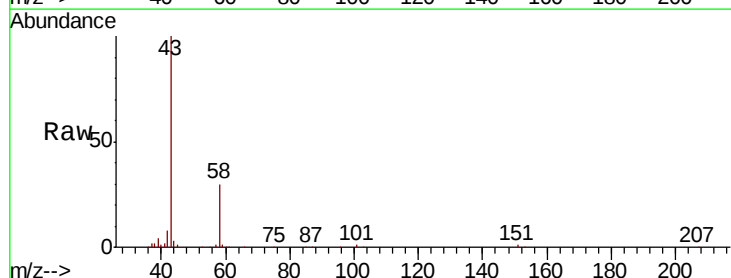
RT: 3.79 min Scan# 628

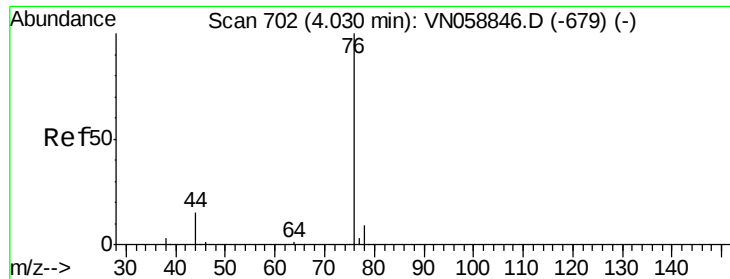
Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion:	43	Resp:	286727
Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.1	34.7





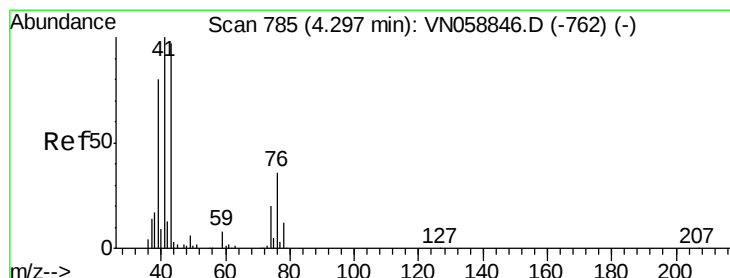
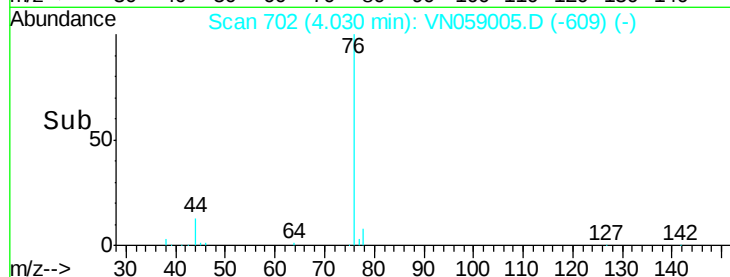
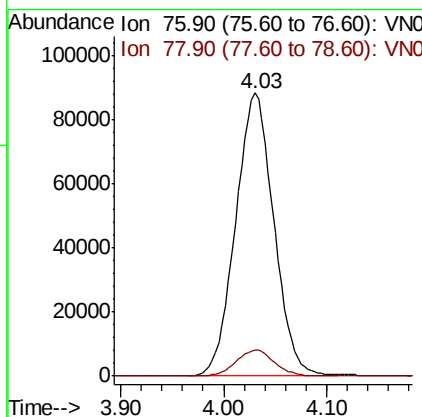
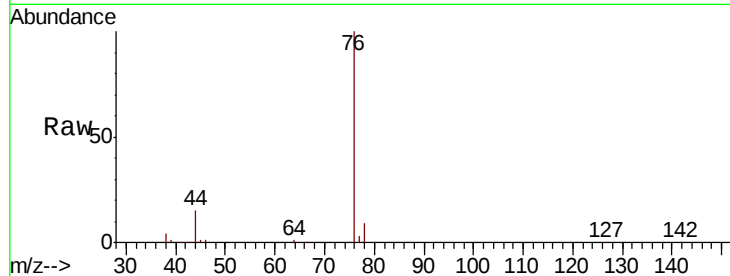
#17
Carbon Disulfide
Concen: 17.595 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

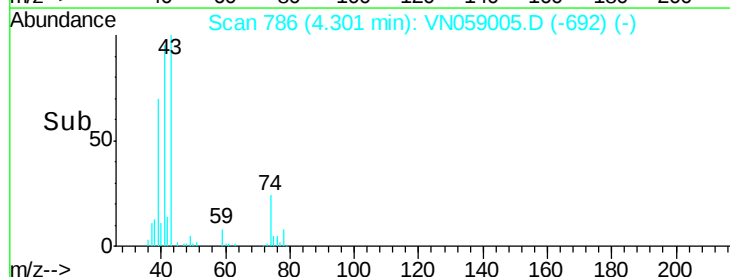
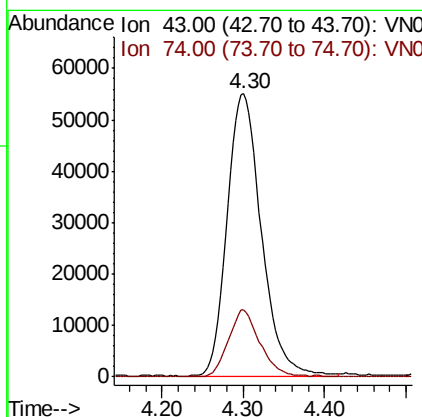
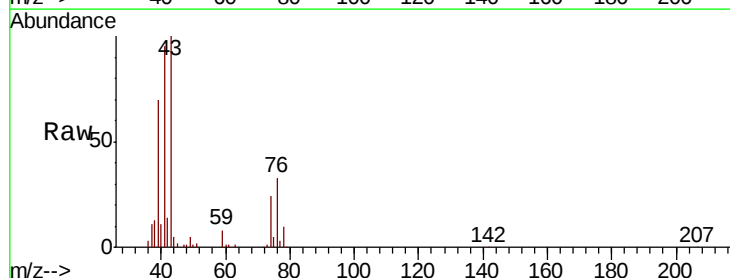
Manual Integrations
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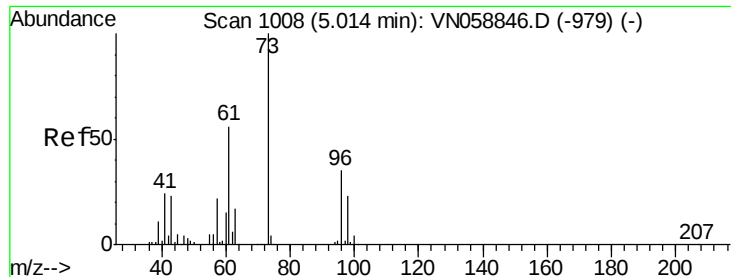
MMDadoda
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#18
Methyl Acetate
Concen: 24.299 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.1	25.7





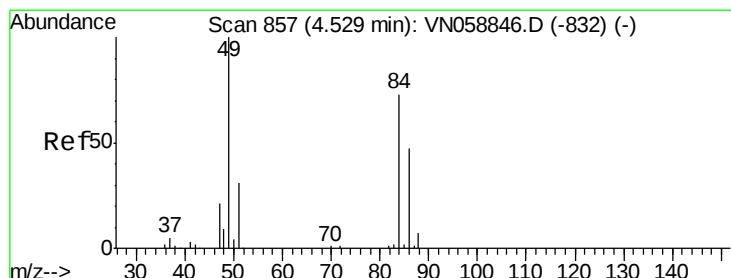
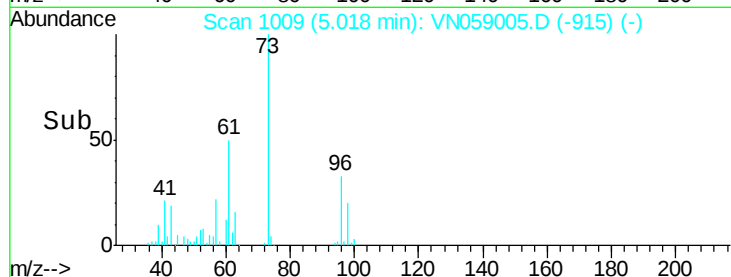
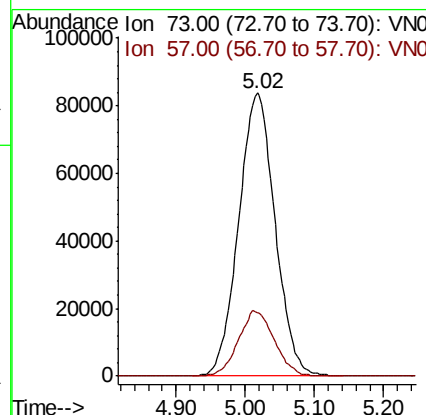
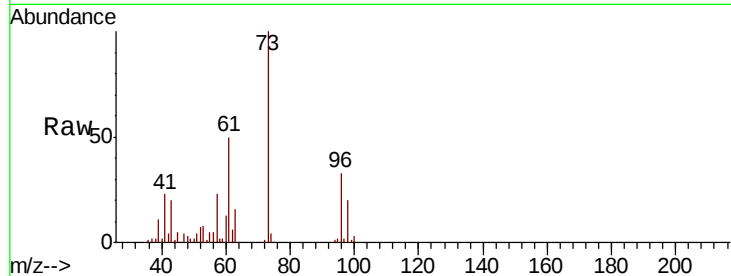
#19
Methvl tert-butvl Ether
Concen: 21.746 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion: 73 Resp: 305982
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9

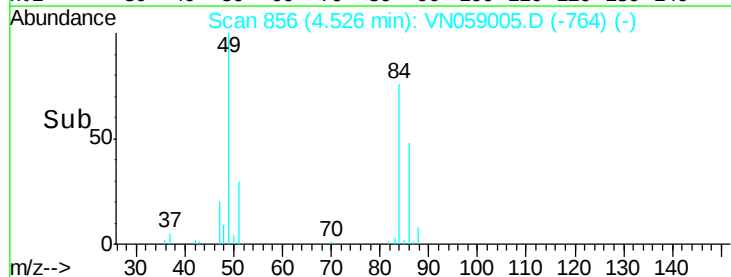
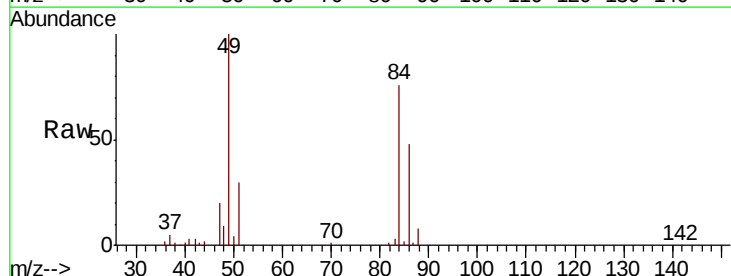
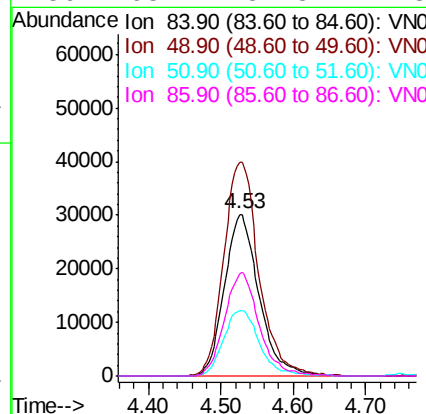
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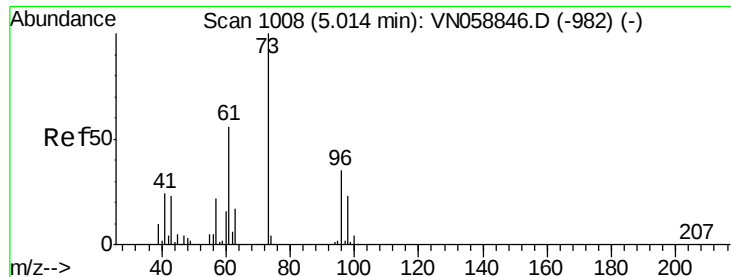
MMDadoda
10/30/2019 3:53:45 PM



#20
Methylene Chloride
Concen: 19.810 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion: 84 Resp: 99929
Ion Ratio Lower Upper
84 100
49 131.9 109.6 164.4
51 40.2 33.8 50.6
86 63.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.159 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 96 Resp: 89460

Ion Ratio Lower Upper

96 100

61 154.7 126.7 190.1

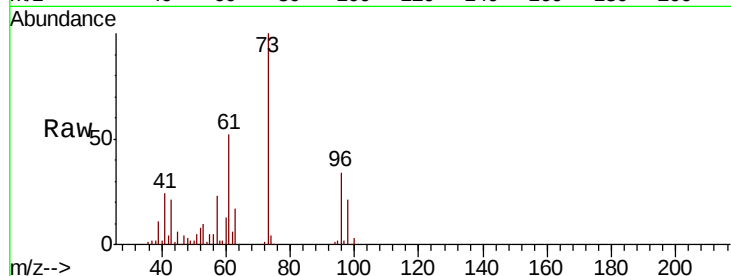
98 62.6 52.0 78.0

Manual Integrations

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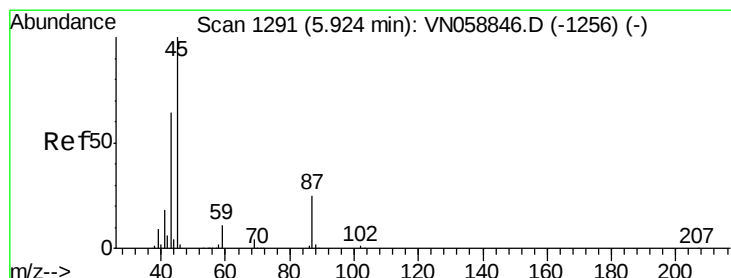
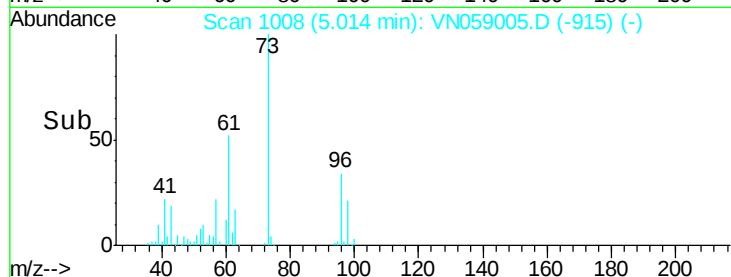
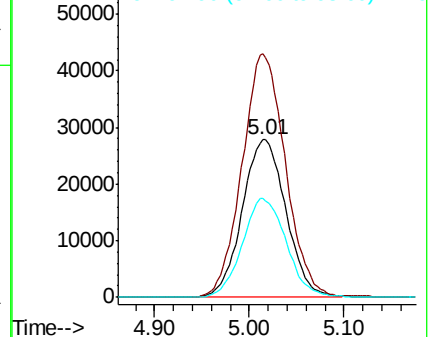


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.175 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion: 45 Resp: 352683

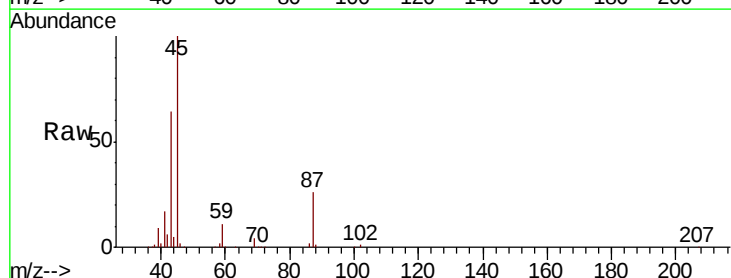
Ion Ratio Lower Upper

45 100

43 61.9 52.9 79.3

87 25.9 20.2 30.4

59 10.8 8.8 13.2



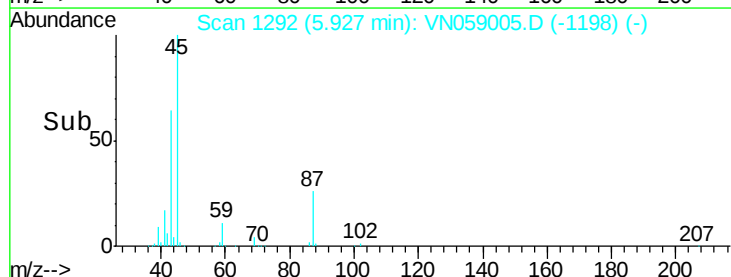
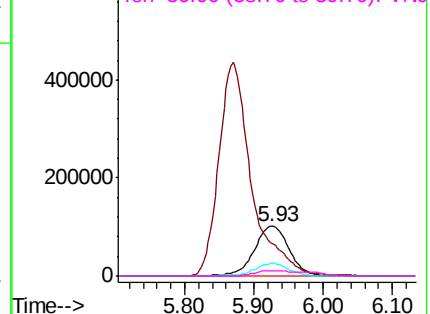
Abundance

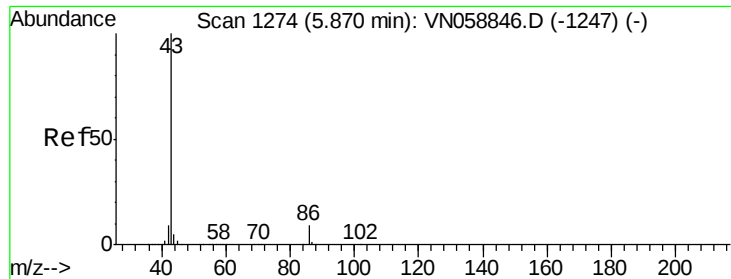
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 112.684 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleID :

VN1029WBSD01

Tot Ion: 43 Resp: 1439898

Ion Ratio Lower Upper

43 100

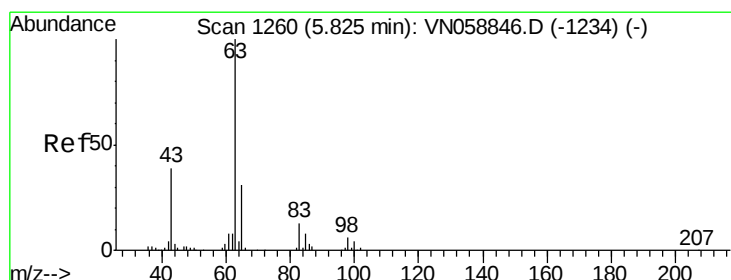
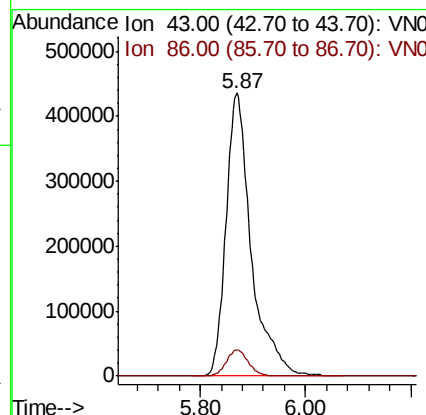
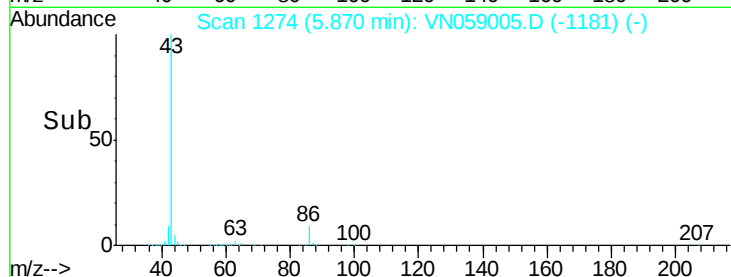
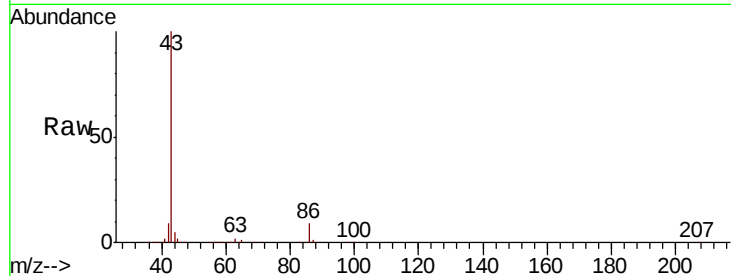
86 9.3 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.729 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

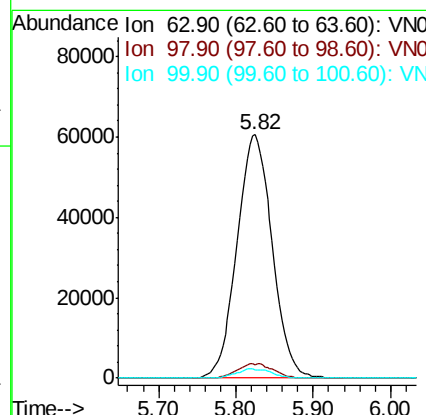
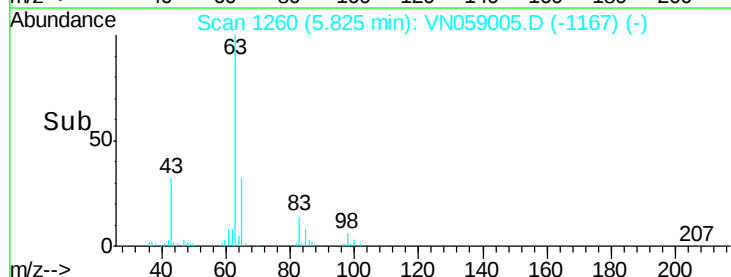
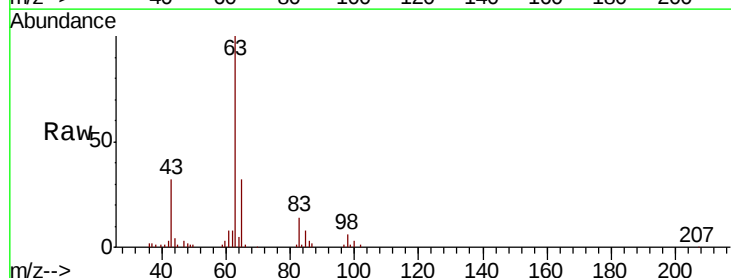
Tgt Ion: 63 Resp: 191167

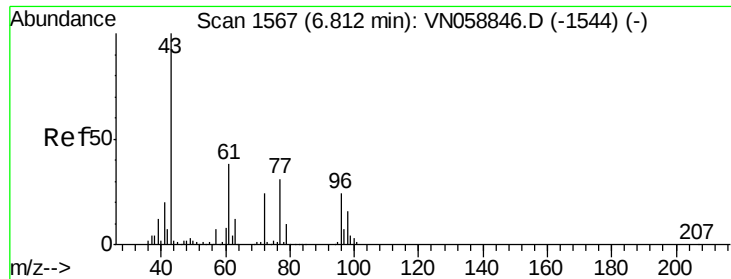
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.3 1.9 5.7





#25

2-Butanone

Concen: 103.391 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 43 Resp: 396488

Ion Ratio Lower Upper

43 100

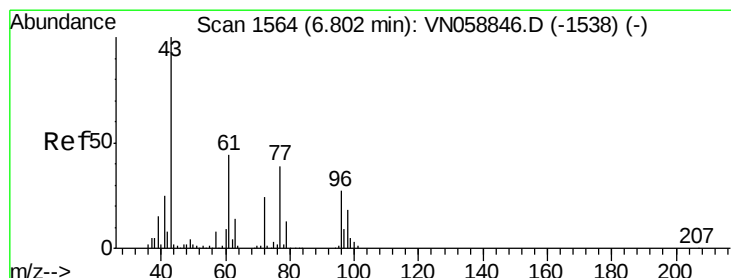
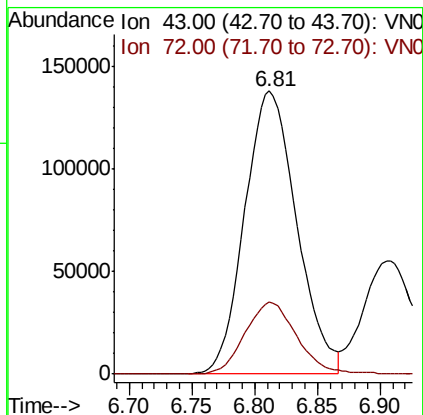
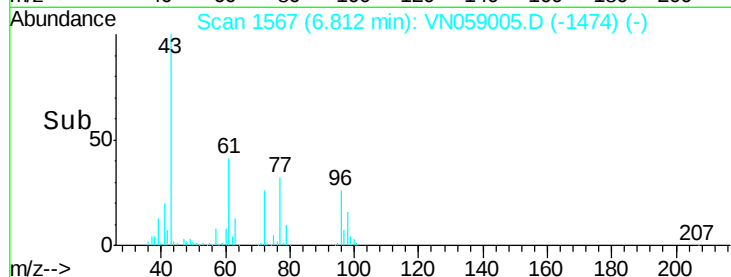
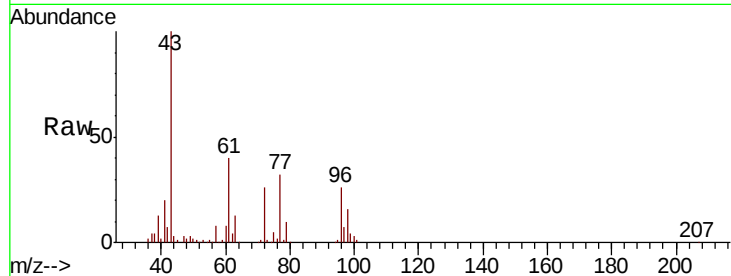
72 25.6 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.968 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059005.D

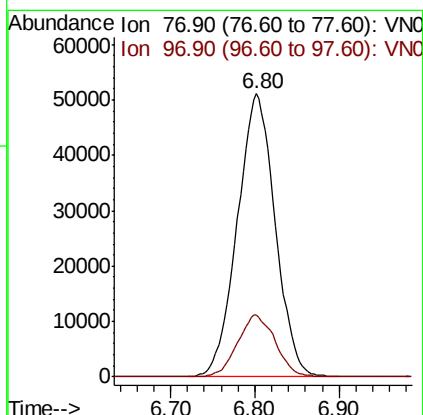
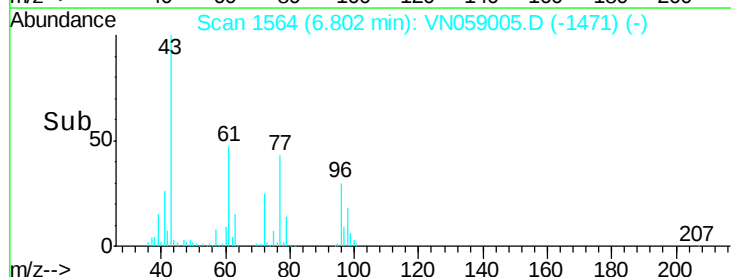
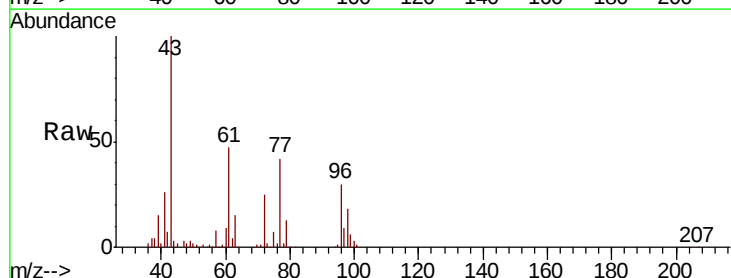
Acq: 29 Oct 2019 13:11

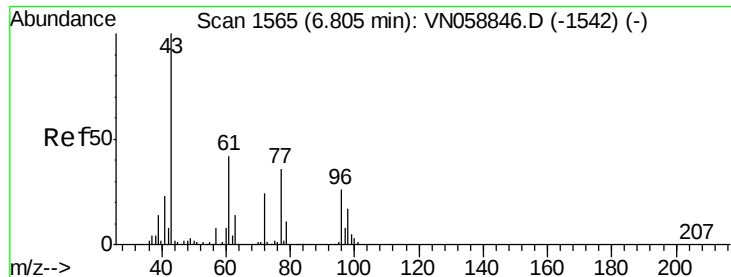
Tgt Ion: 77 Resp: 159281

Ion Ratio Lower Upper

77 100

97 21.8 10.6 31.8





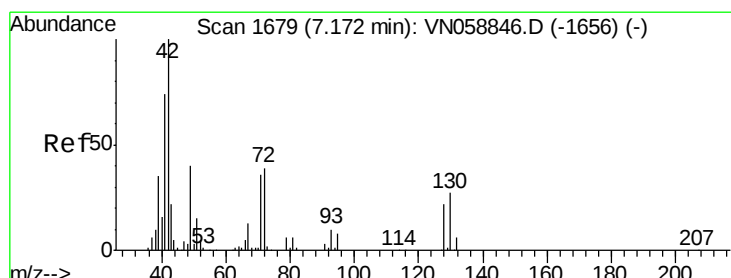
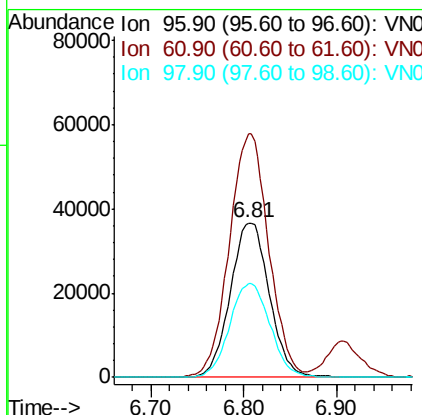
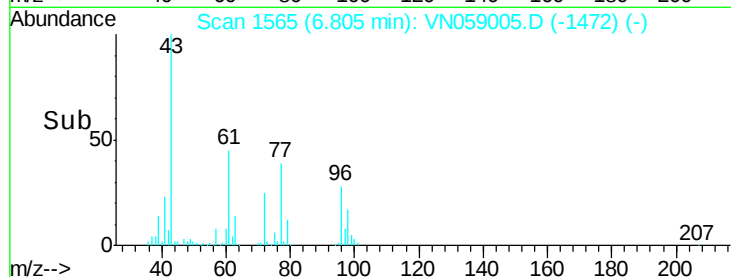
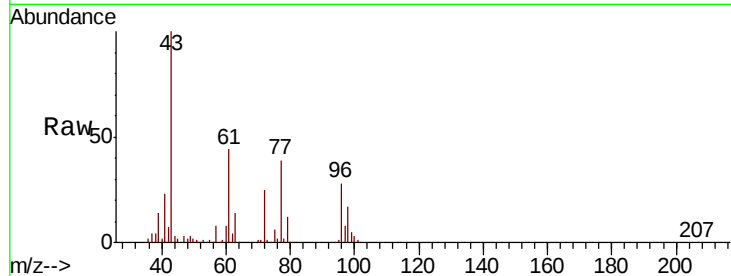
#27
 cis-1,2-Dichloroethene
 Concen: 21.124 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.0	0.0	325.0	
98	63.0	0.0	128.0	

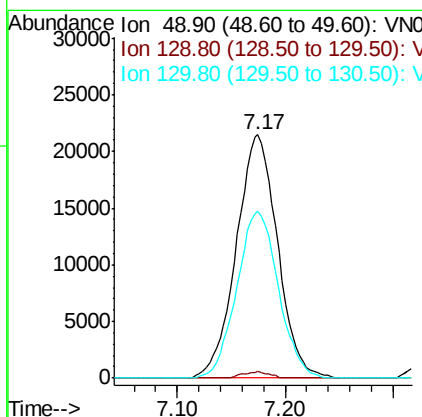
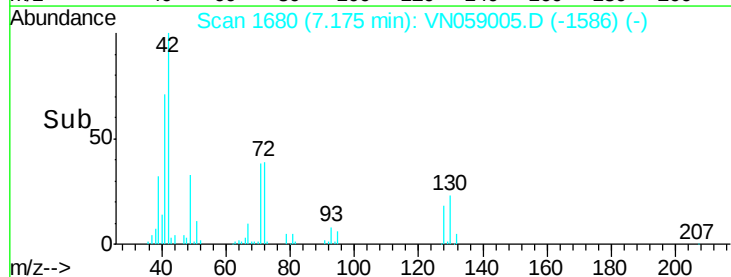
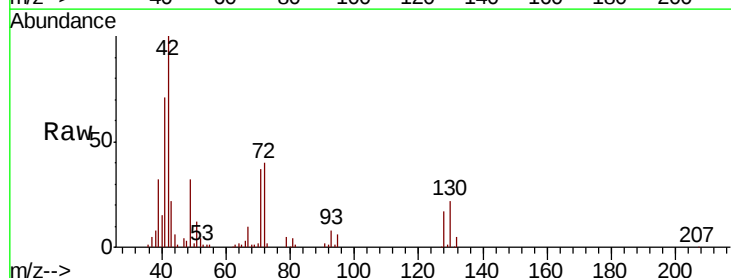
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#28
 Bromochloromethane
 Concen: 18.610 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.2	
130	69.0	53.5	80.3	





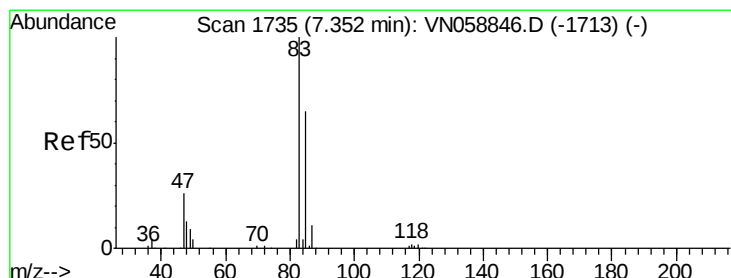
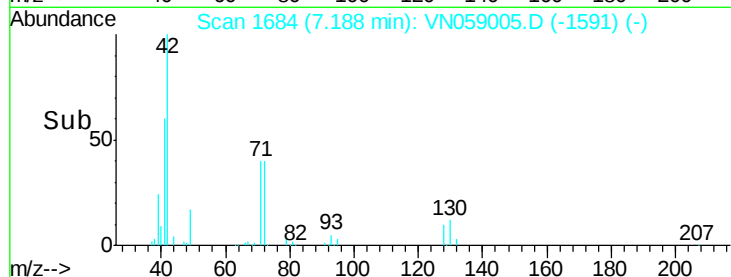
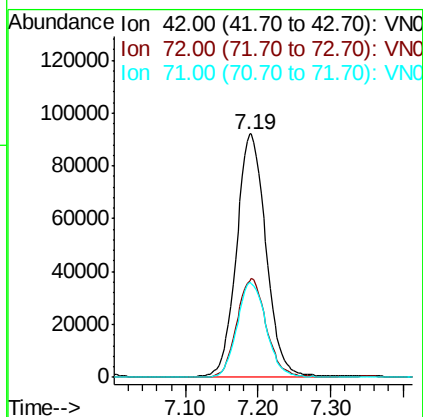
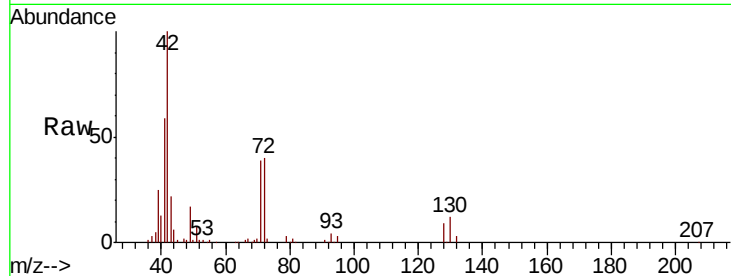
#29
Tetrahydrofuran
Concen: 110.809 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.2	48.2
71	38.5	30.6	45.8

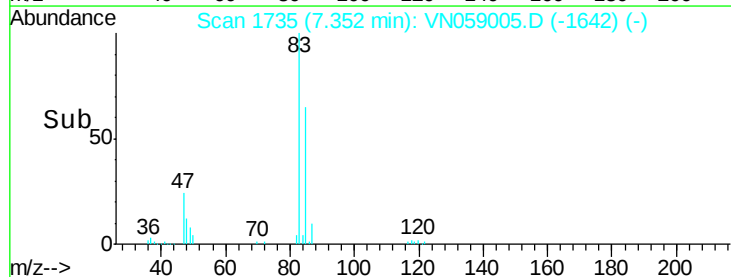
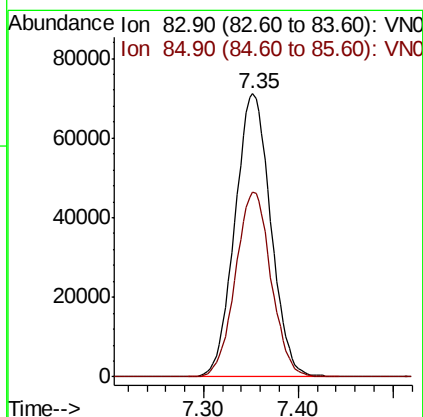
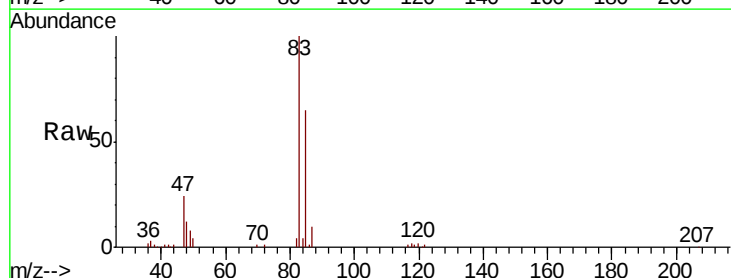
Manual Integrations
APPROVED

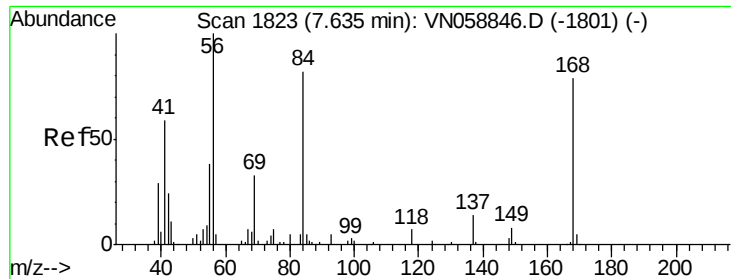
MMDadoda
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#30
Chloroform
Concen: 20.260 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.9	77.9





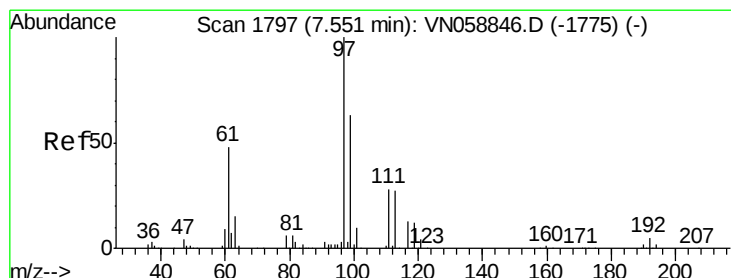
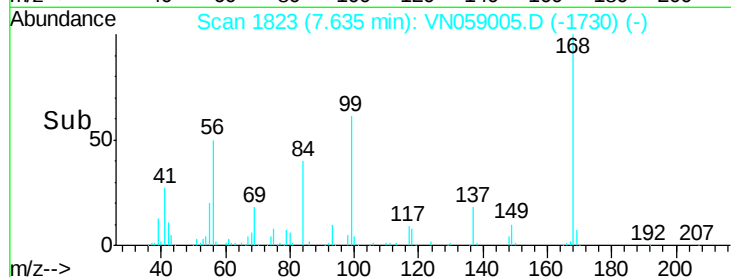
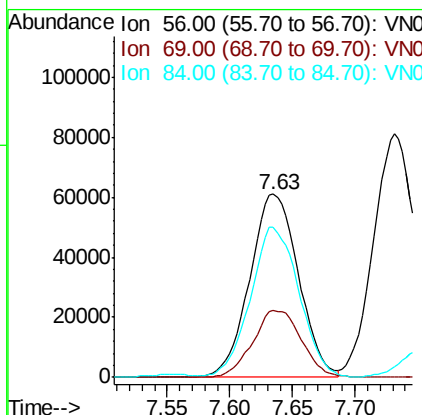
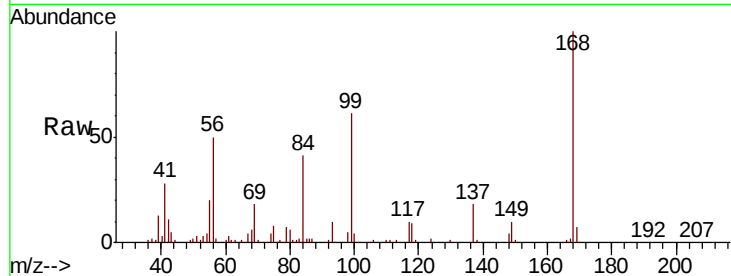
#31
Cyclohexane
Concen: 19.169 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.2	39.4
84	80.8	65.6	98.4

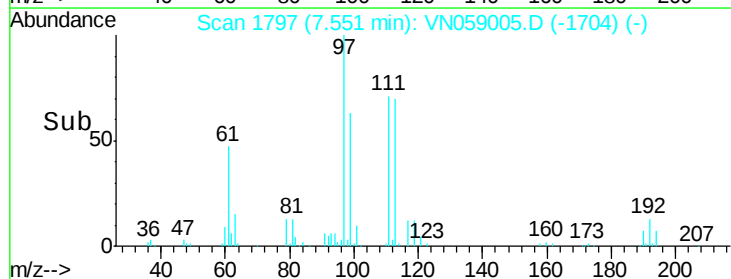
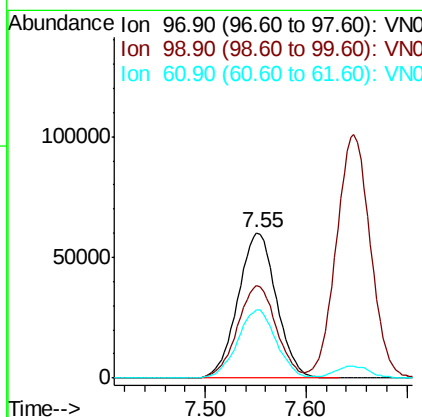
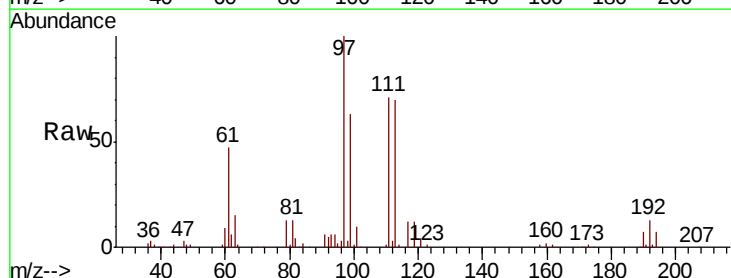
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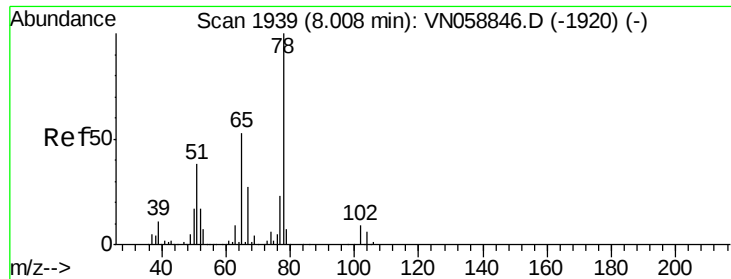
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.343 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	47.7	38.6	58.0





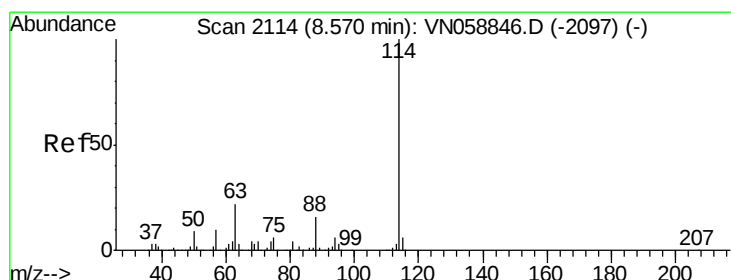
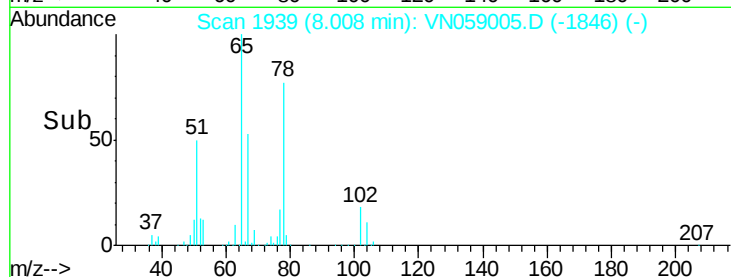
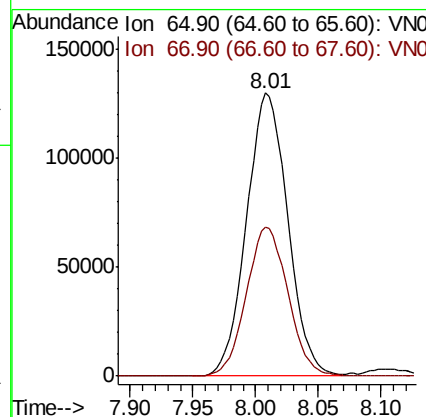
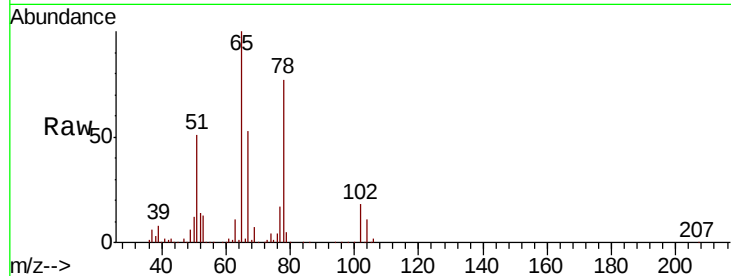
#33
 1,2-Dichloroethane-d4
 Concen: 49.802 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	297737		
67	53.2	0.0	103.2	

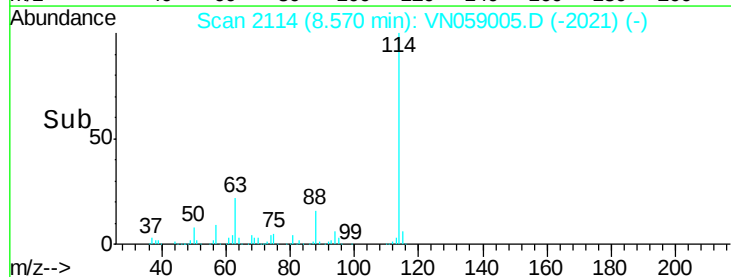
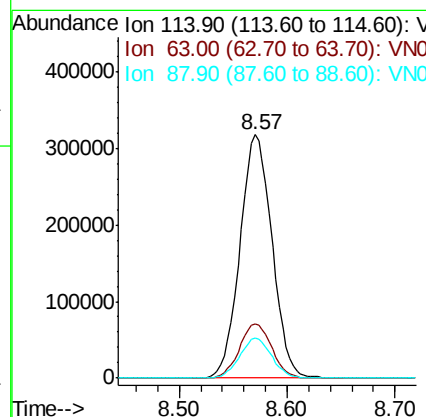
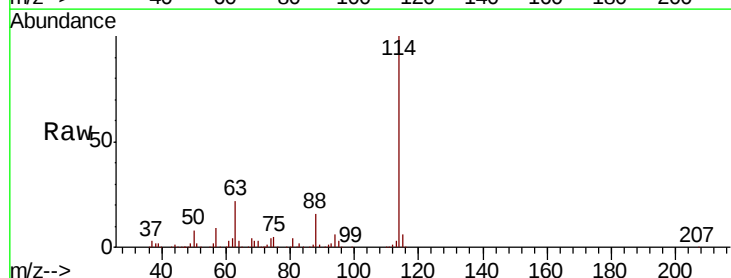
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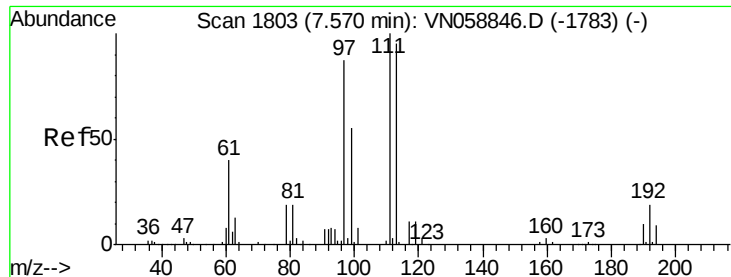
MMDadoda
 10/30/2019 3:53:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	659531		
63	22.0	0.0	44.4	
88	16.3	0.0	31.4	





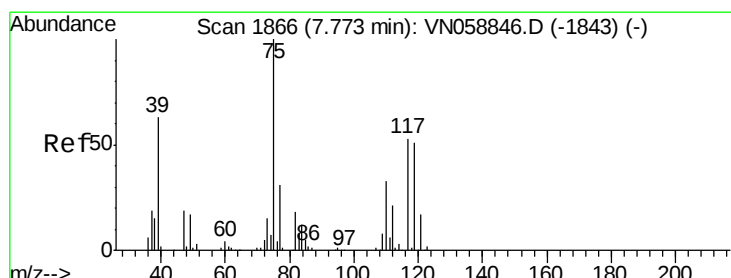
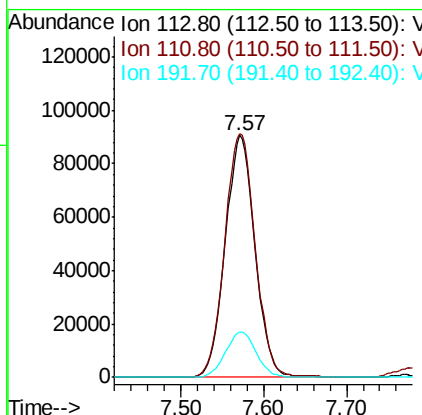
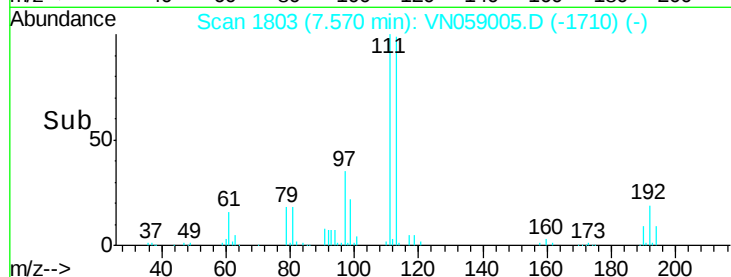
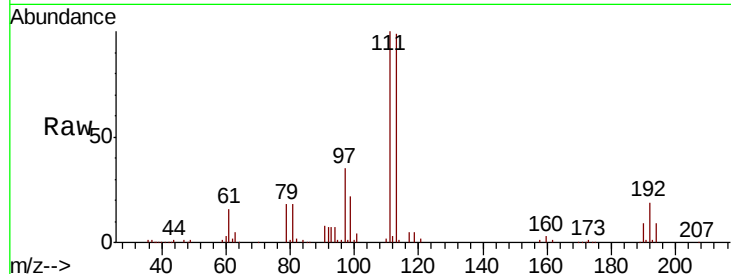
#35
 Dibromofluoromethane
 Concen: 52.007 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225513		
111	103.4	82.0	123.0	
192	19.4	15.0	22.6	

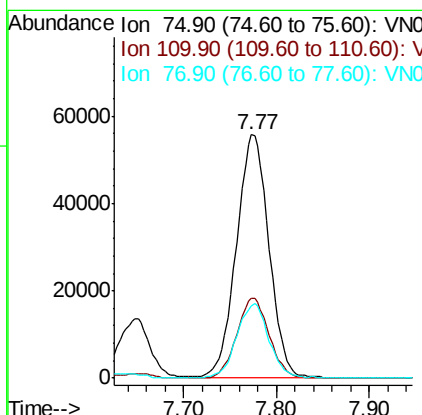
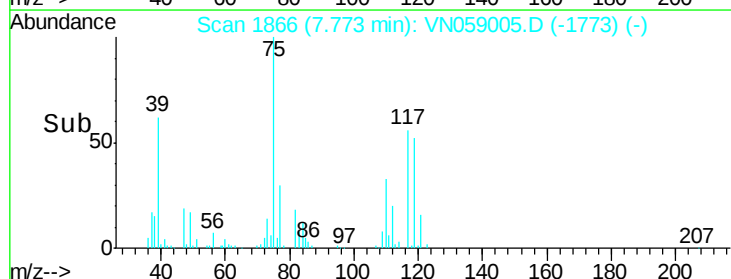
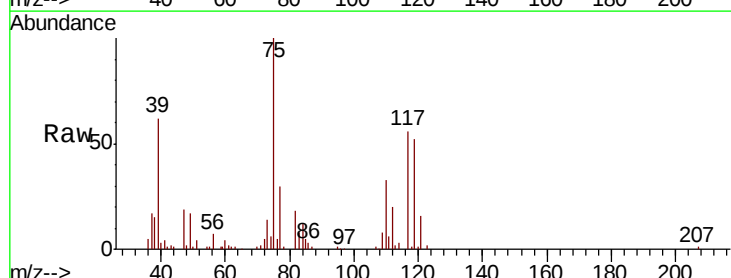
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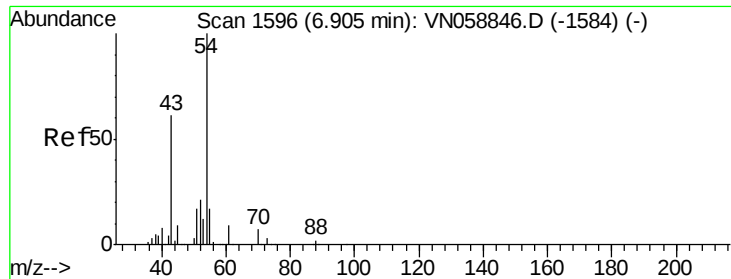
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#36
 1,1-Dichloropropene
 Concen: 20.205 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136427		
110	32.4	16.3	48.9	
77	30.2	24.6	36.8	





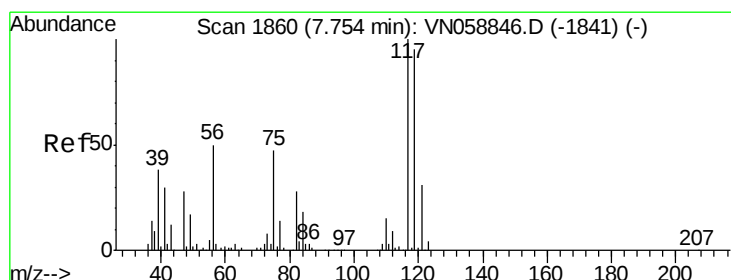
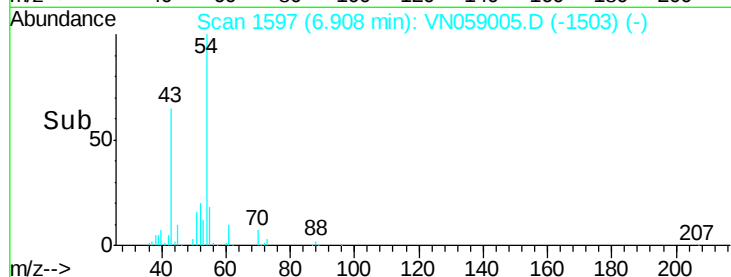
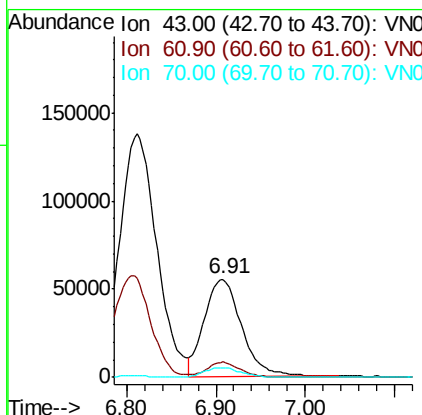
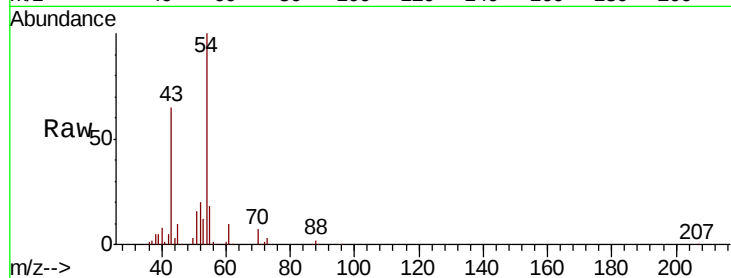
#37
Ethyl Acetate
Concen: 21.810 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.7	7.6	11.4

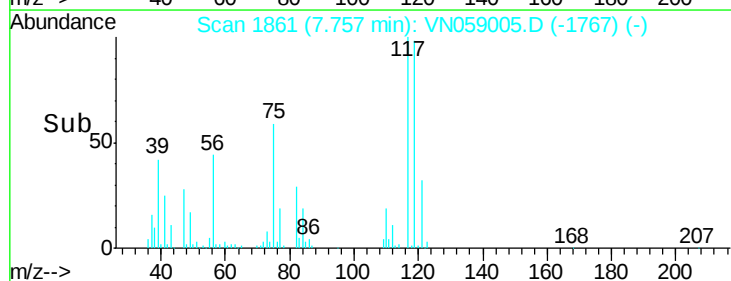
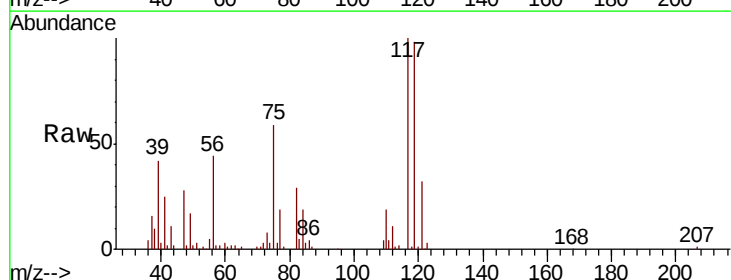
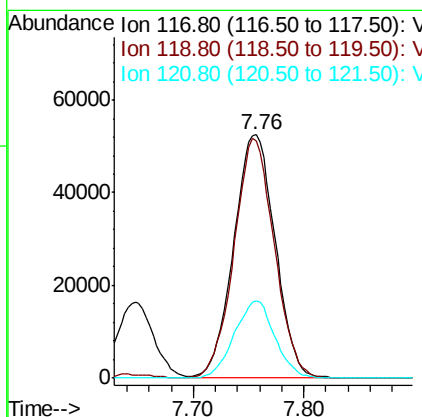
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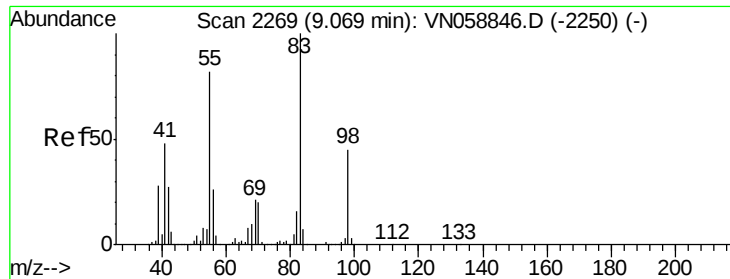
MMDadoda
10/30/2019 3:53:45 PM



#38
Carbon Tetrachloride
Concen: 19.690 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.7	113.5
121	31.9	25.0	37.6





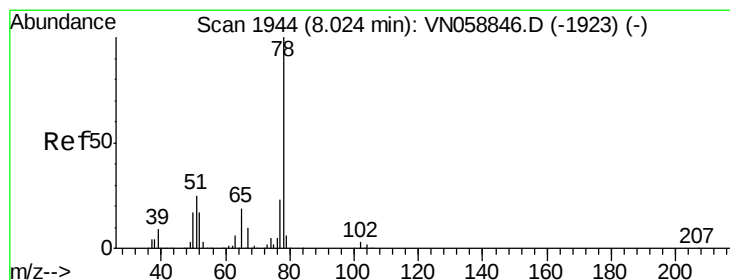
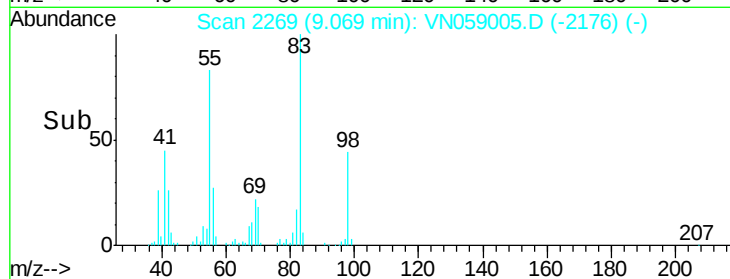
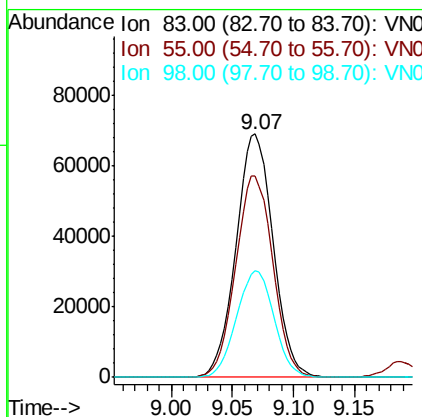
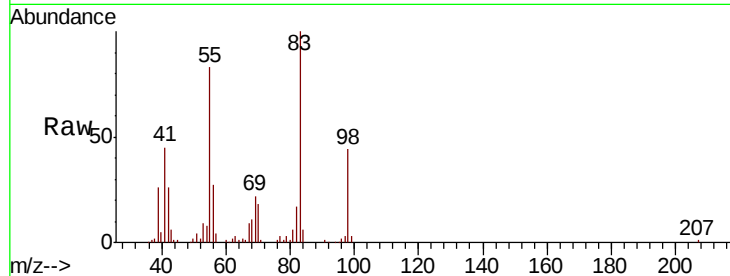
#39
Methvlcvclohexane
Concen: 19.189 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	65.5	98.3
98	44.0	35.7	53.5

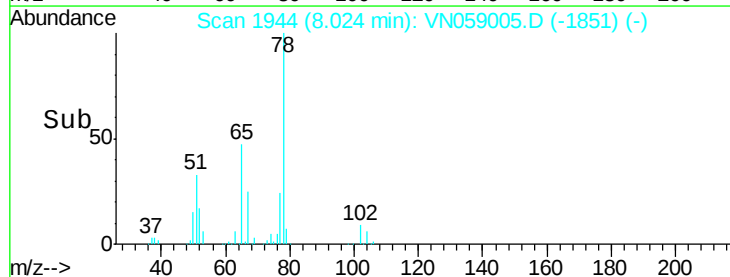
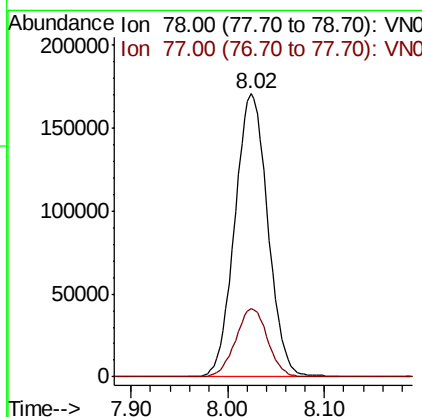
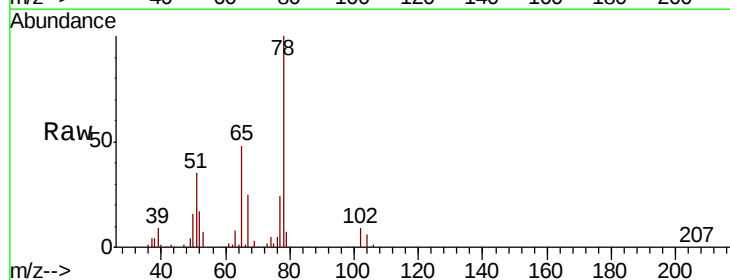
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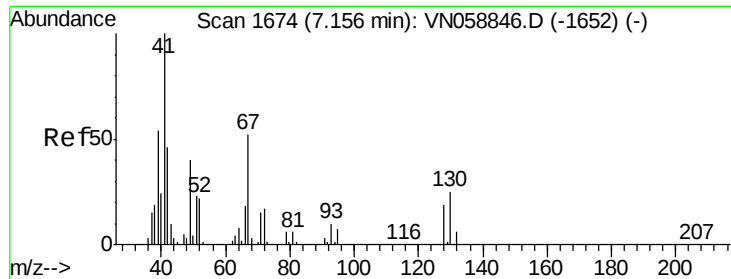
MMDadoda
10/30/2019 3:53:45 PM



#40
Benzene
Concen: 20.415 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.2





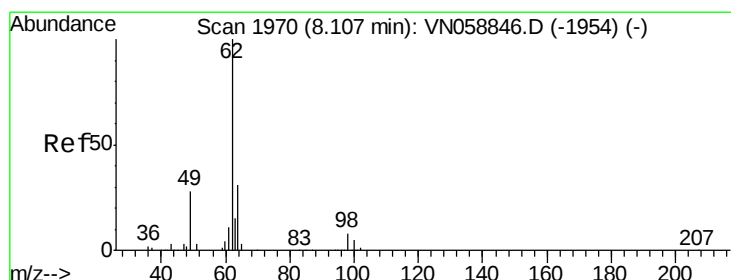
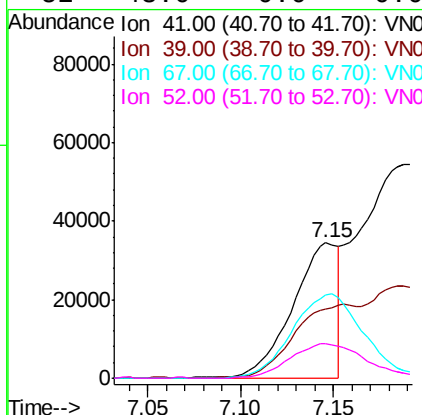
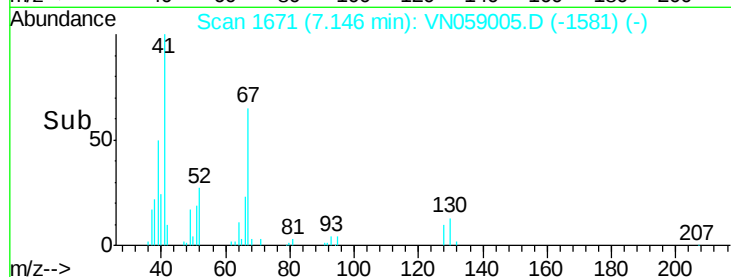
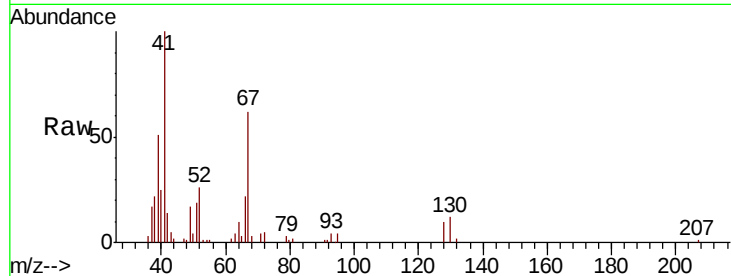
#41
Methacrylonitrile
Concen: 18.080 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	78.2	0.0	0.0	#
67	97.5	0.0	0.0	#
52	43.0	0.0	0.0	#

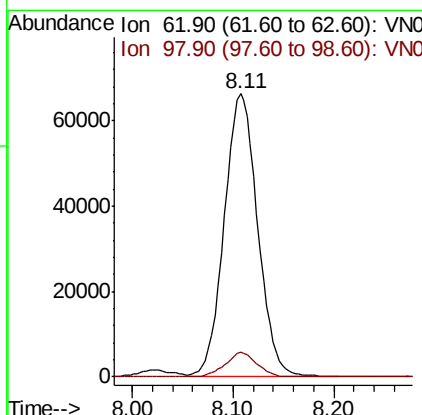
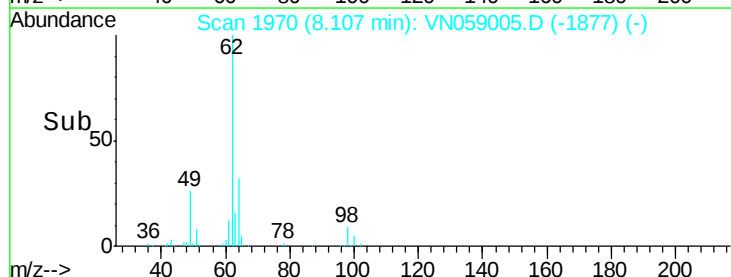
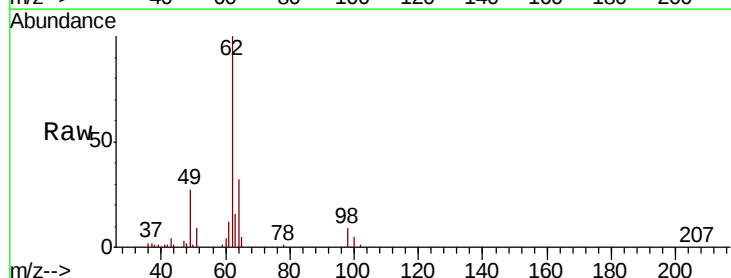
Manual Integrations
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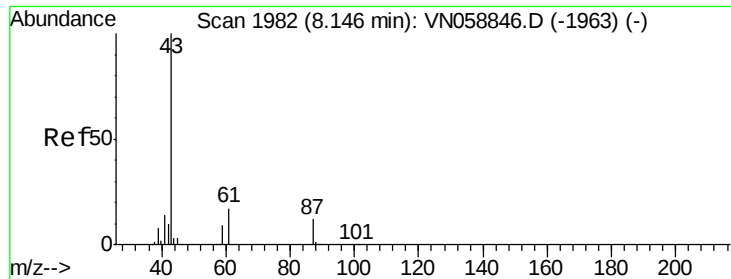
MMDadoda
10/30/2019 3:53:45 PM



#42
1,2-Dichloroethane
Concen: 20.066 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.2	





#43

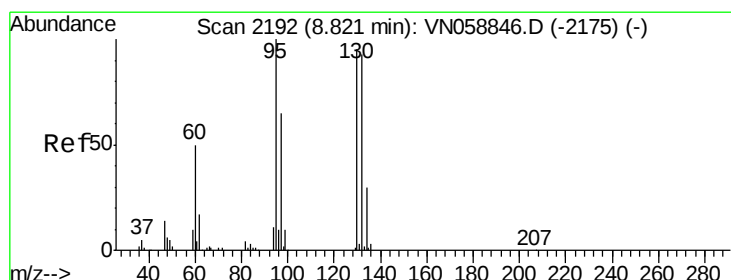
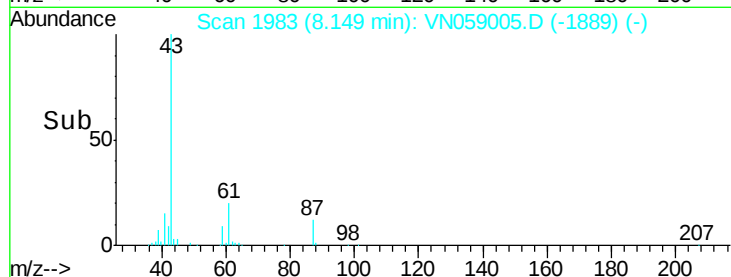
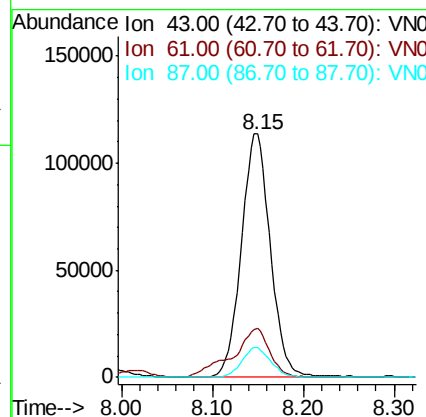
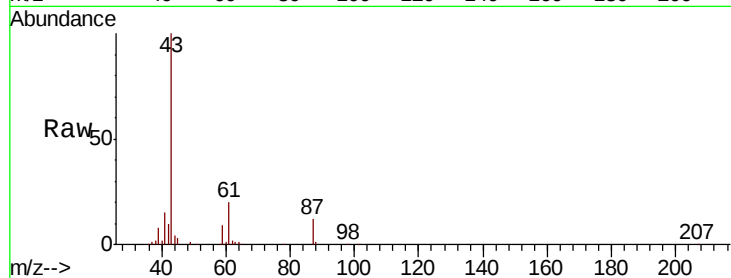
Isopropyl Acetate
 Concen: 21.212 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.2	30.2
87	12.2	9.5	14.3

Manual Integrations
 APPROVED

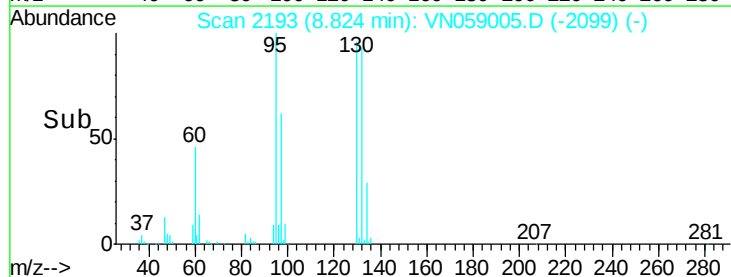
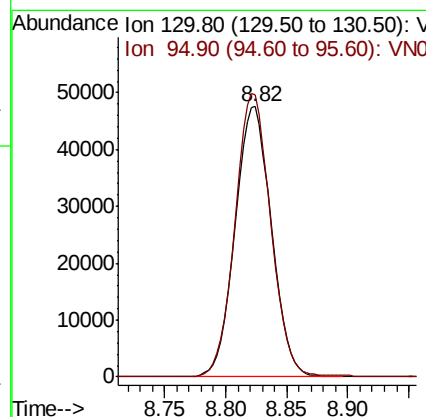
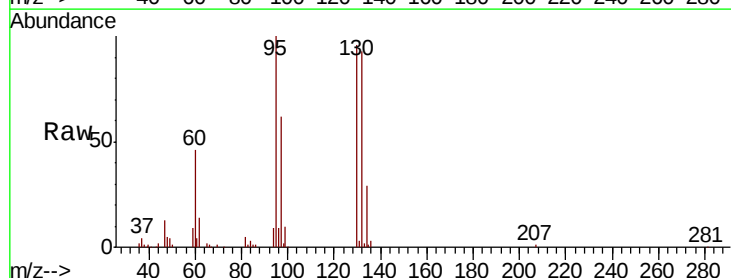
MMDadoda
 10/30/2019 3:53:45 PM

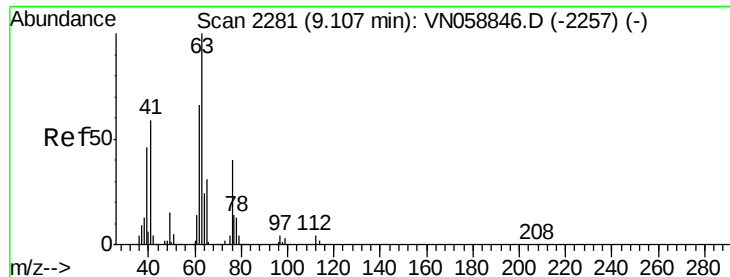


#44

Trichloroethene
 Concen: 20.317 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	209.6





#45

1,2-Dichloropropane

Concen: 21.275 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 63 Resp: 115672

Ion Ratio Lower Upper

63 100

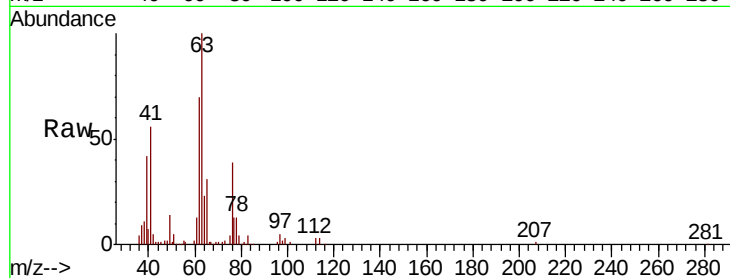
65 30.7 24.5 36.7

Manual Integrations

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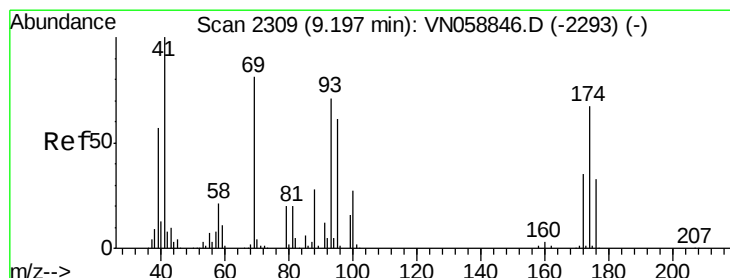
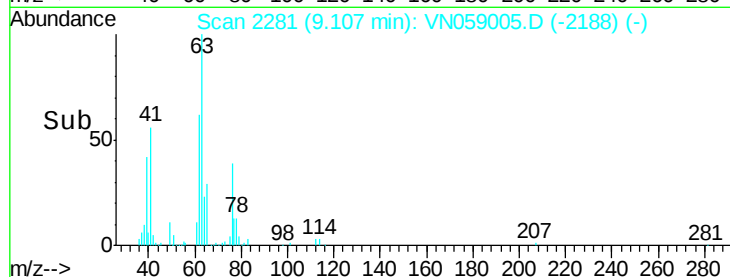
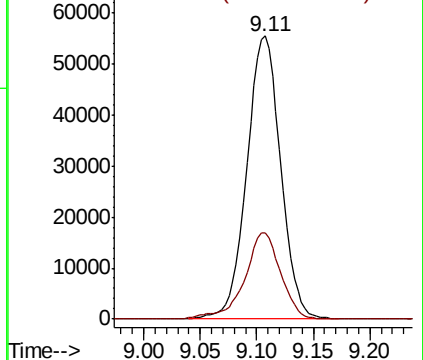
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.228 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

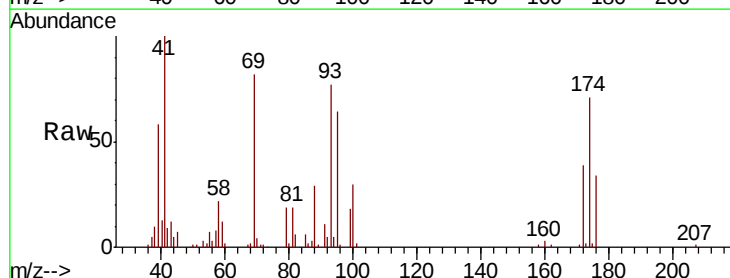
Tgt Ion: 93 Resp: 69526

Ion Ratio Lower Upper

93 100

95 84.3 67.6 101.4

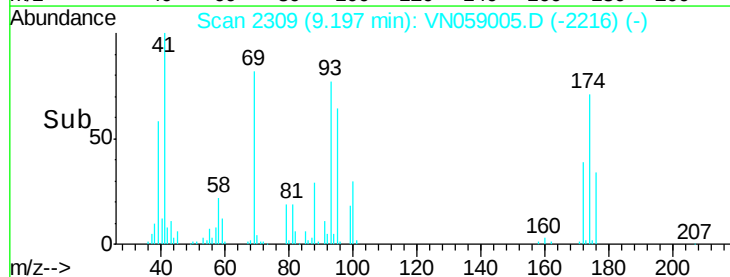
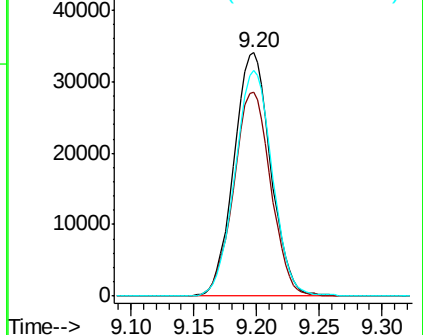
174 93.9 74.1 111.1

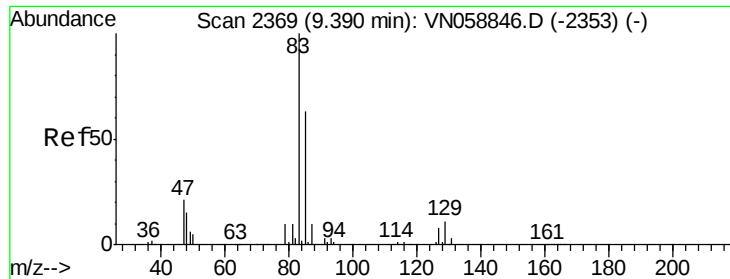


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 20.447 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

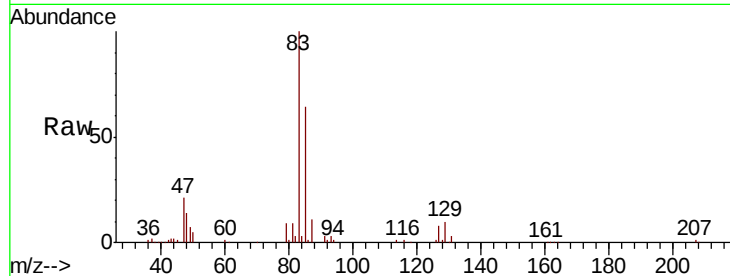
ClientSampleId :

VN1029WBSD01

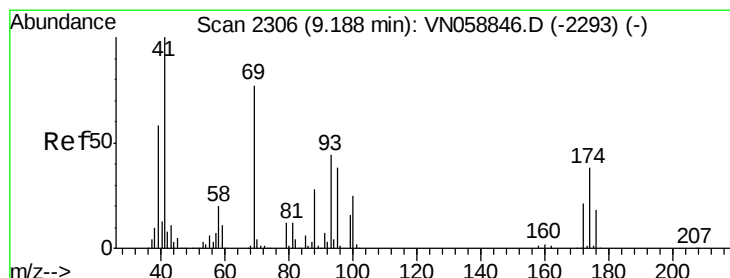
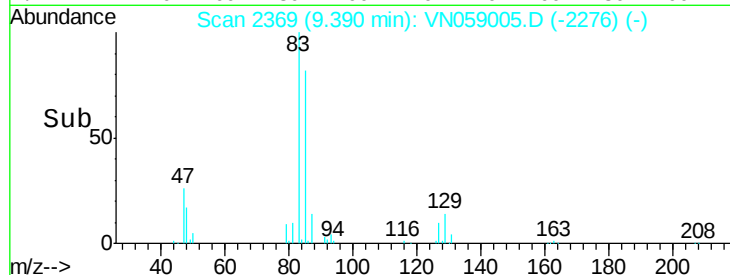
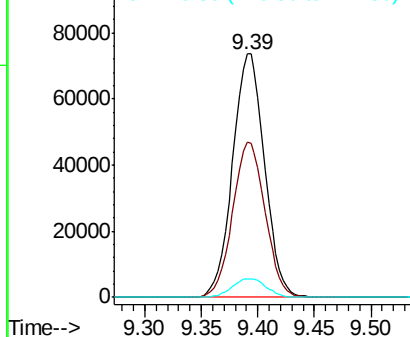
Tot Ion:	83	Resp:	144849
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.6	75.8
127	7.8	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059005.D (-2276) (-)



#48

Methyl methacrylate

Concen: 20.937 ug/l

RT: 9.19 min Scan# 2306

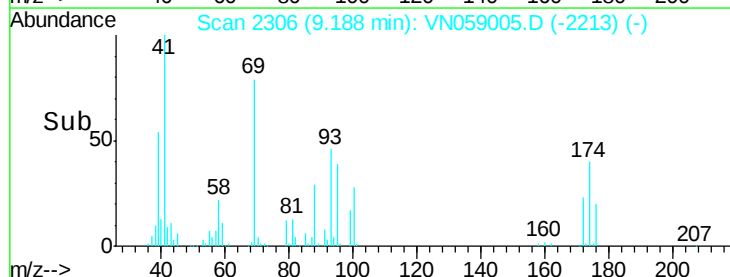
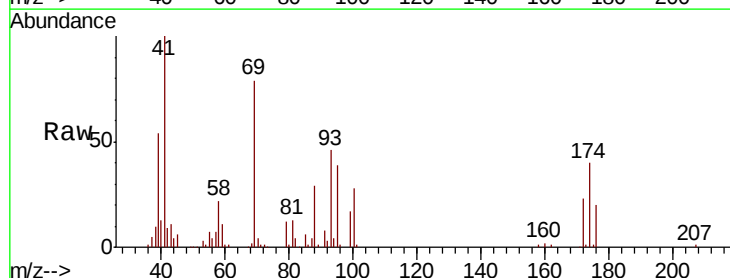
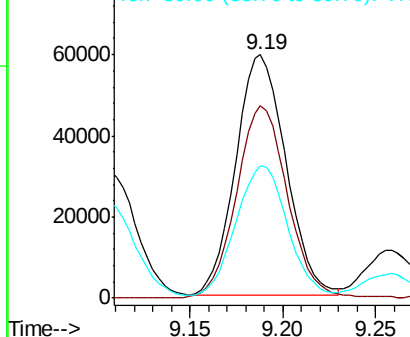
Delta R.T. 0.00 min

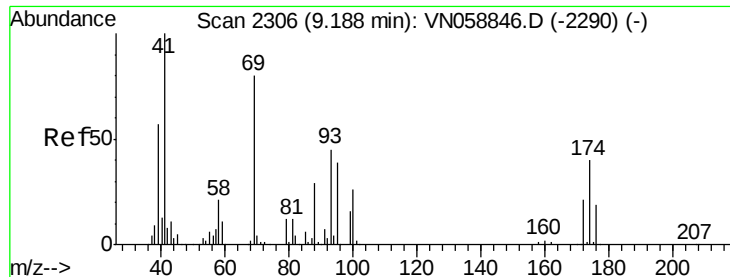
Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion:	41	Resp:	112087
Ion Ratio	Lower	Upper	
41	100		
69	81.5	63.8	95.6
39	57.6	47.8	71.8

Abundance Ion 41.00 (40.70 to 41.70): VN059005.D (-2213) (-)





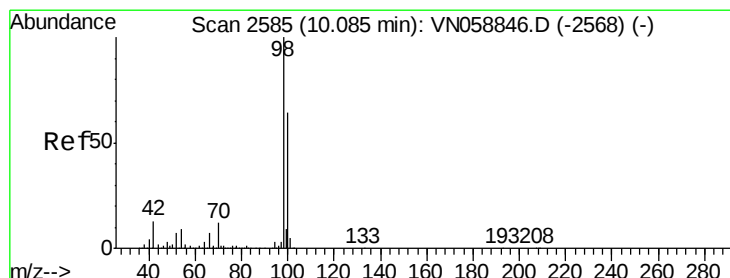
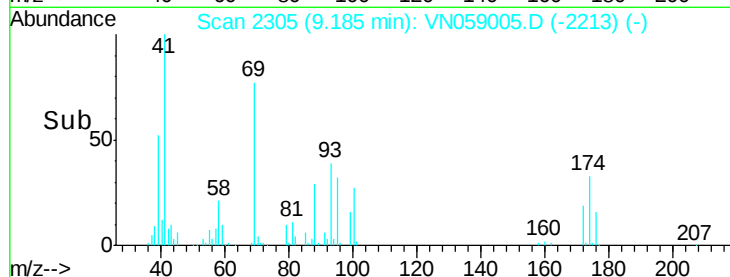
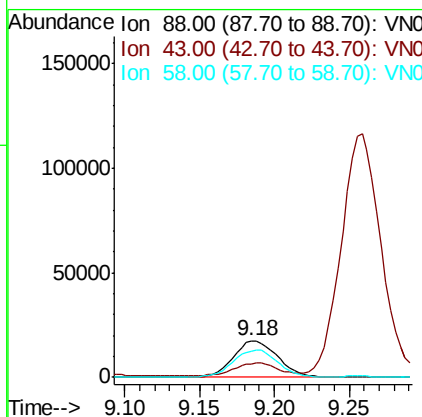
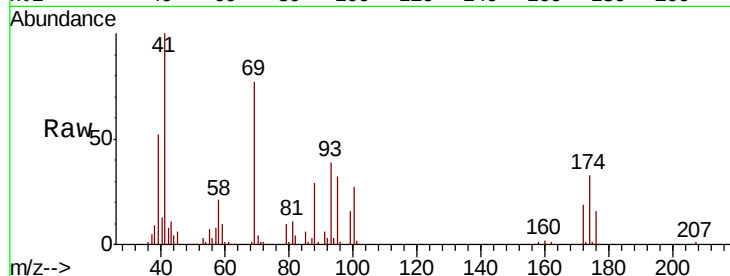
#49
1,4-Dioxane
Concen: 411.793 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	35.4	29.1	43.7	
58	75.9	59.4	89.0	

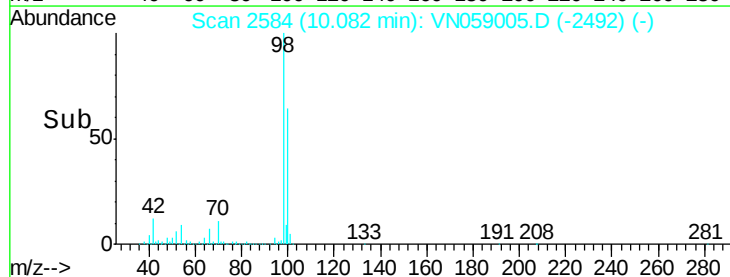
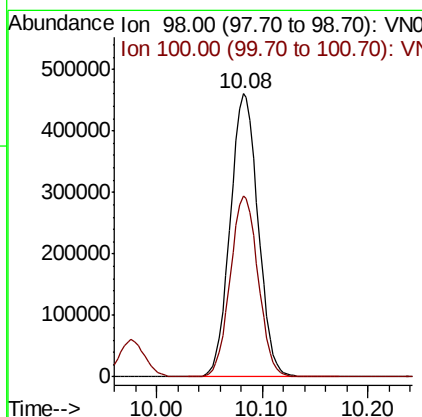
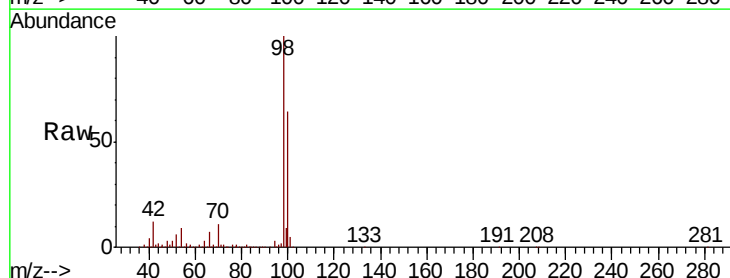
Manual Integrations
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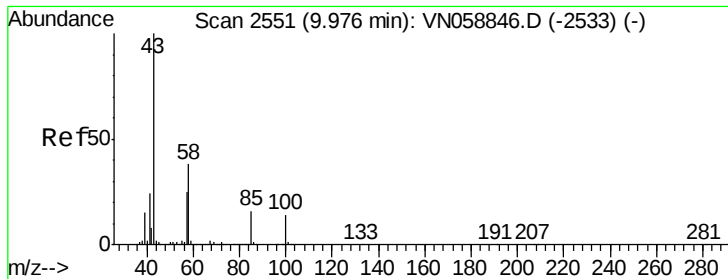
MMDadoda
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#50
Toluene-d8
Concen: 49.997 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.0	51.4	77.2	





#51

4-Methyl-2-Pentanone

Concen: 117.173 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 43 Resp: 807559

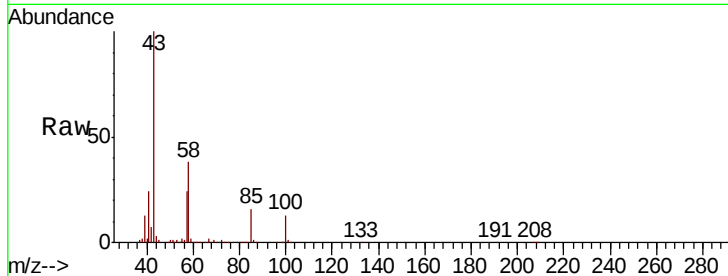
Ion Ratio Lower Upper

43 100

58 37.8 29.9 44.9

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

400000

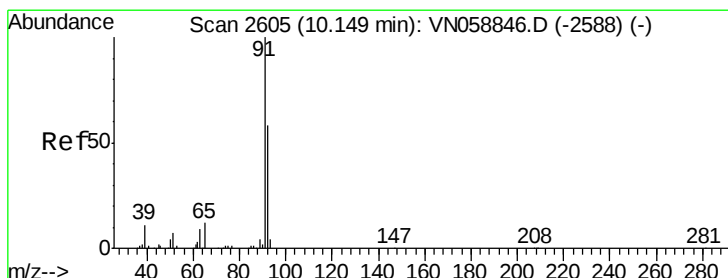
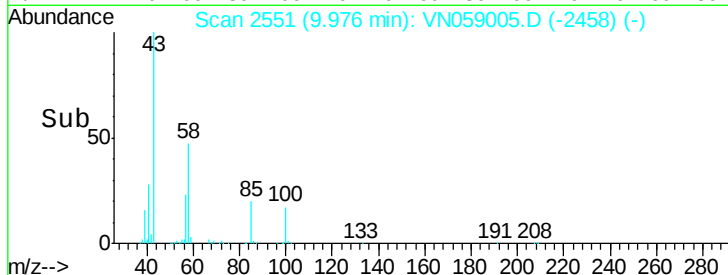
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.032 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059005.D

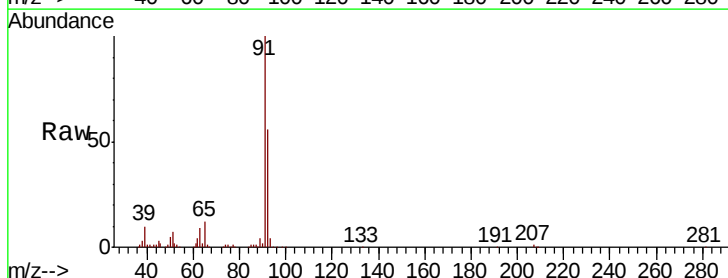
Acq: 29 Oct 2019 13:11

Tgt Ion: 92 Resp: 247300

Ion Ratio Lower Upper

92 100

91 174.8 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

250000

200000

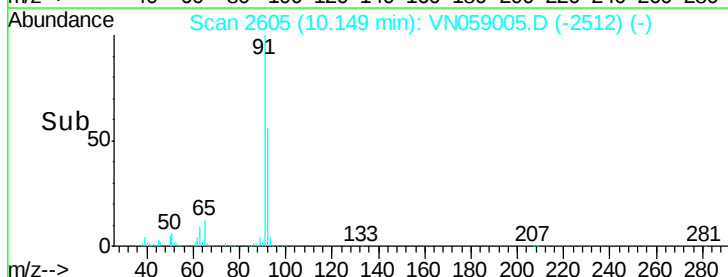
150000

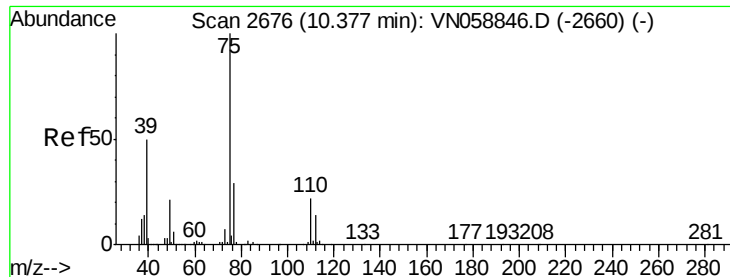
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.610 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 75 Resp: 161632

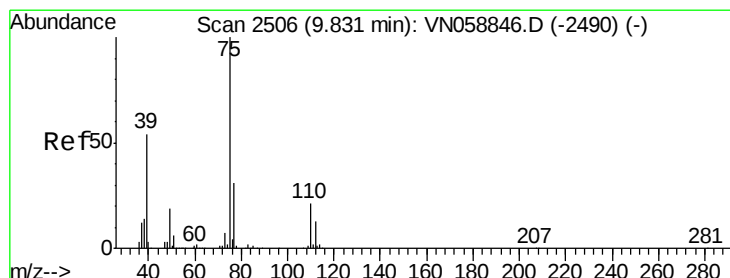
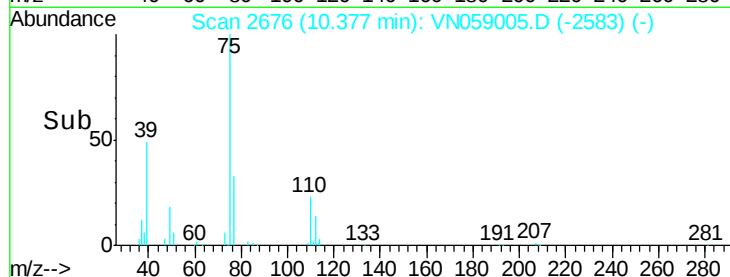
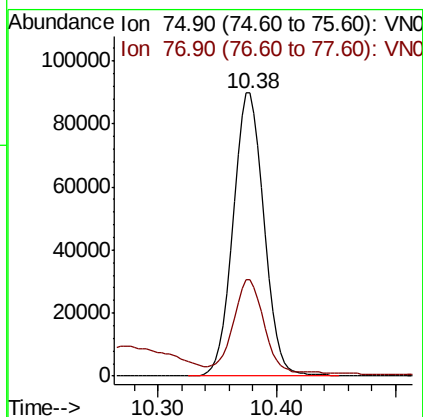
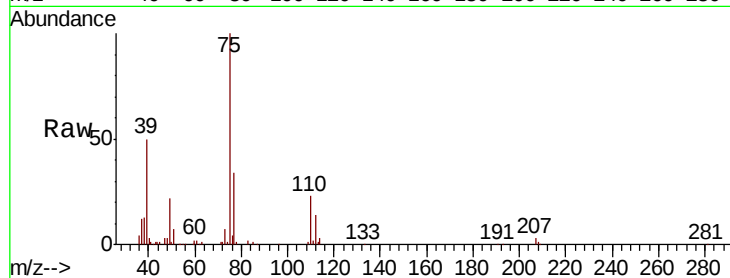
Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.981 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

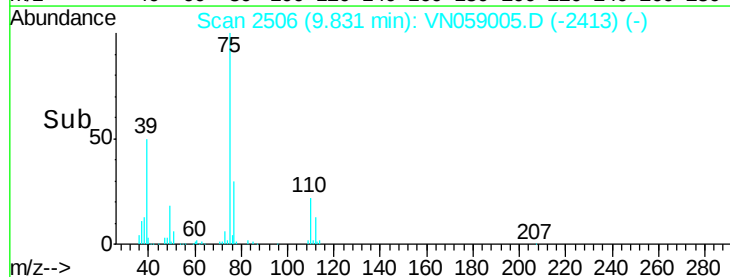
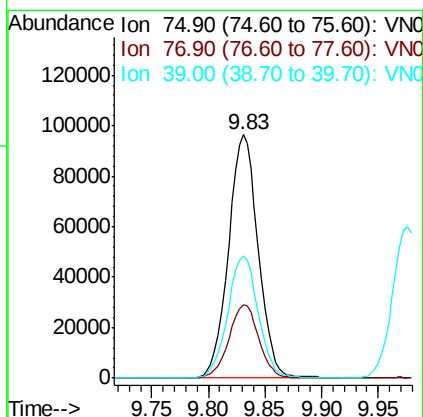
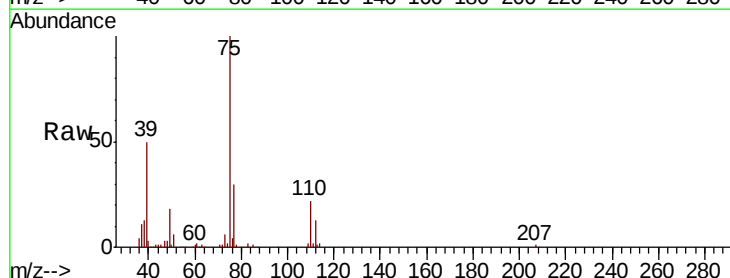
Tgt Ion: 75 Resp: 175790

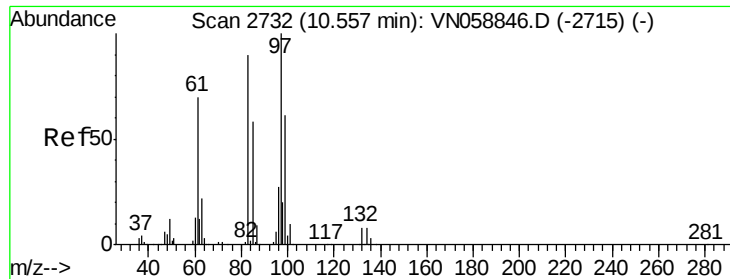
Ion Ratio Lower Upper

75 100

77 30.0 24.7 37.1

39 50.0 43.5 65.3





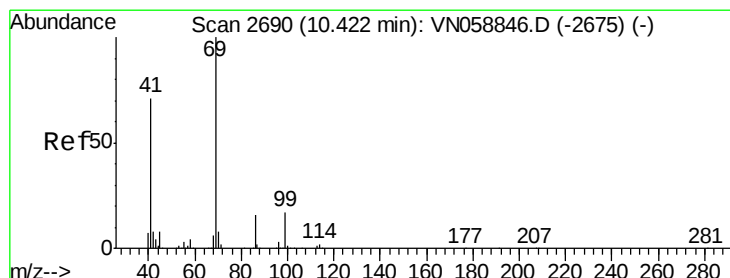
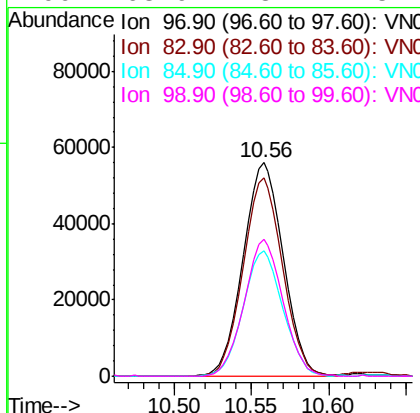
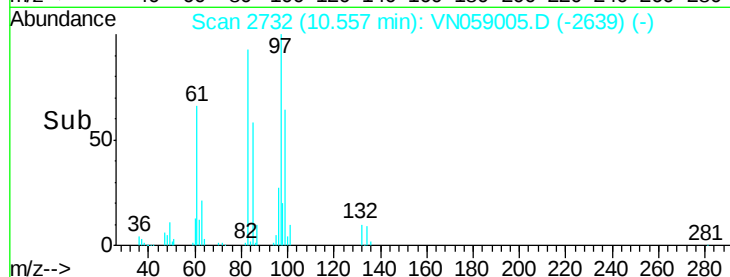
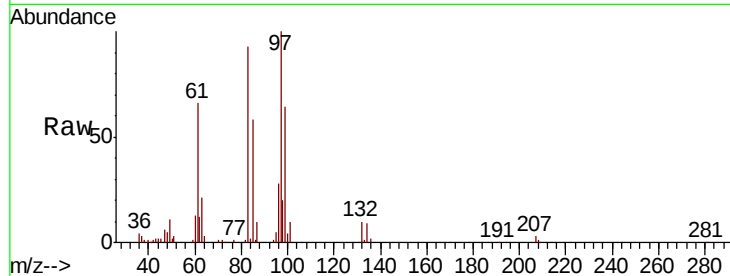
#55
 1,1,2-Trichloroethane
 Concen: 20.943 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		101444		
83	93.0	72.2	108.4		
85	58.5	46.2	69.2		
99	63.9	48.7	73.1		

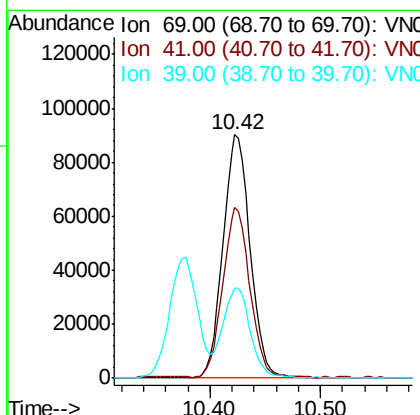
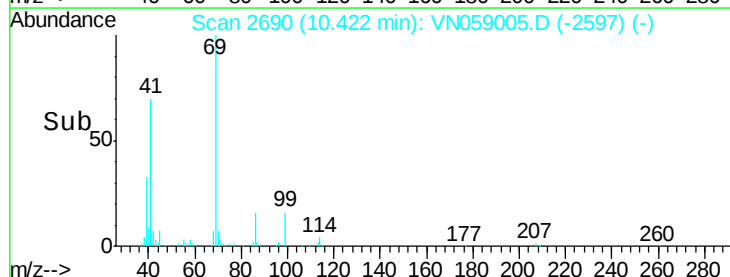
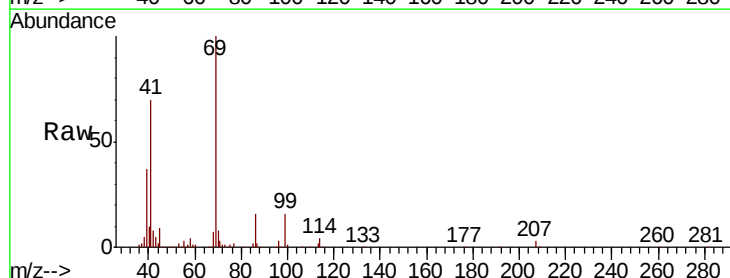
Manual Integrations
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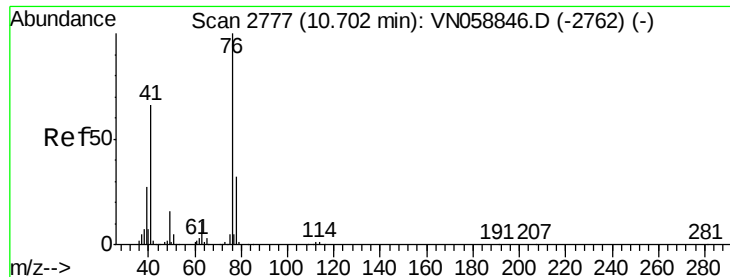
MMDadoda
 10/30/2019 3:53:45 PM



#56
 Ethyl methacrylate
 Concen: 20.242 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		154095		
41	69.3	57.2	85.8		
39	37.5	31.0	46.4		





#57

1,3-Dichloropropane

Concen: 21.104 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 76 Resp: 179414

Ion Ratio Lower Upper

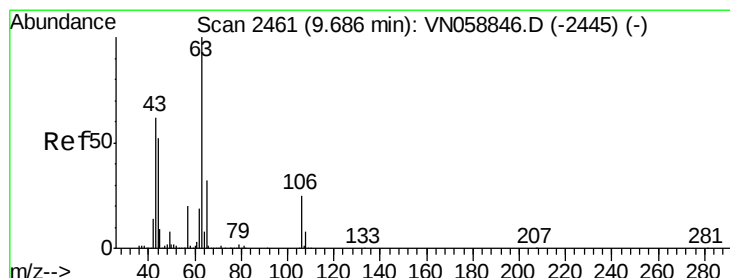
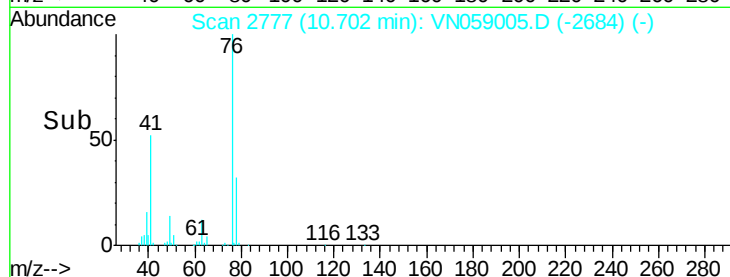
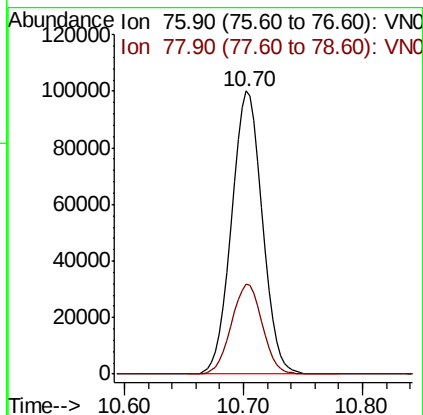
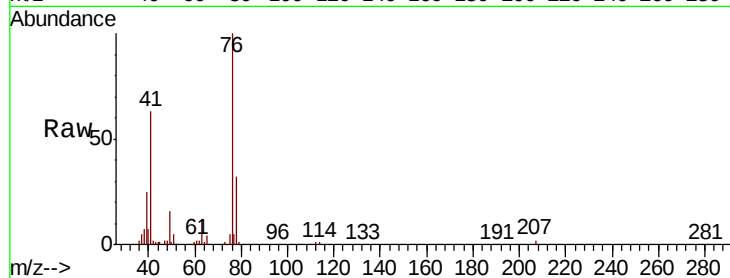
76 100

78 32.2 25.4 38.0

Manual Integrations
APPROVED

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10/30/2019 3:53:45 PM



#58

2-Chloroethyl Vinyl ether

Concen: 91.055 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059005.D

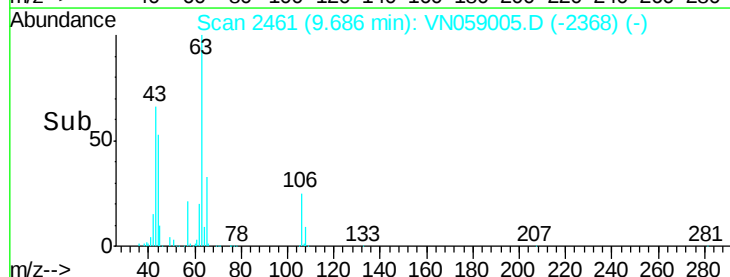
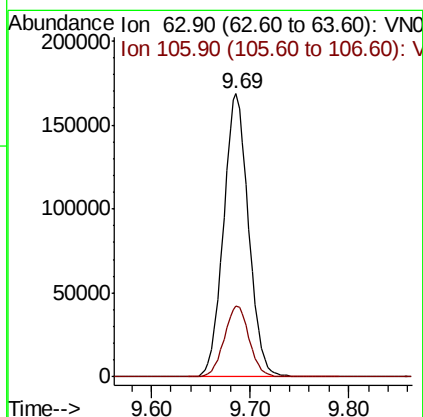
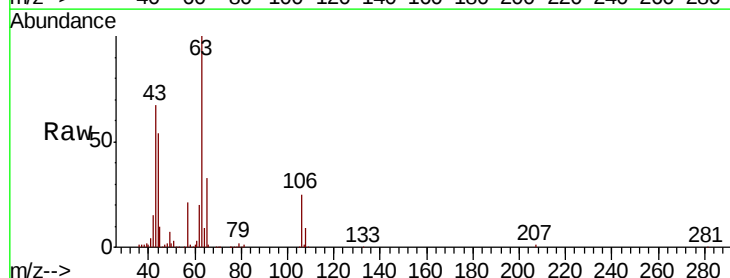
Acq: 29 Oct 2019 13:11

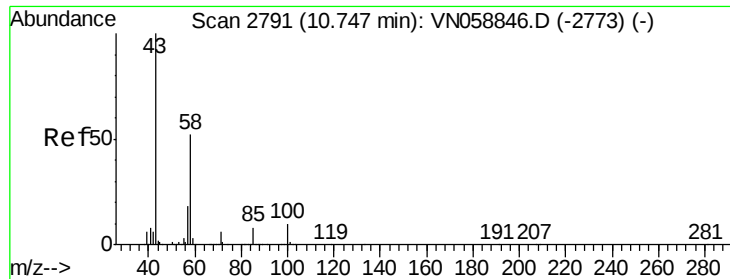
Tgt Ion: 63 Resp: 300194

Ion Ratio Lower Upper

63 100

106 25.0 19.8 29.8





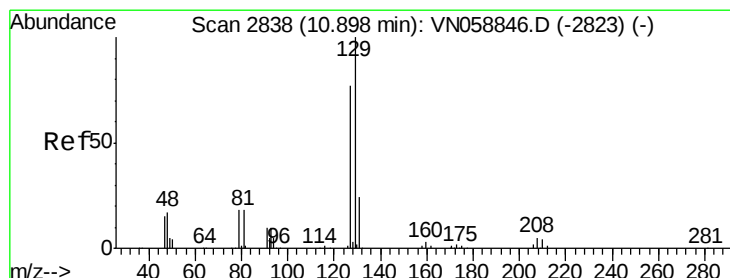
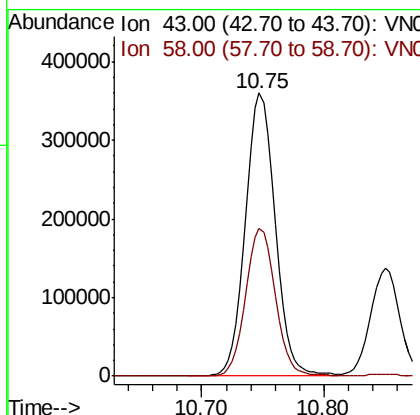
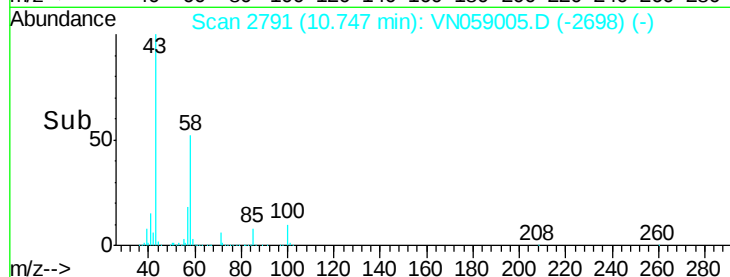
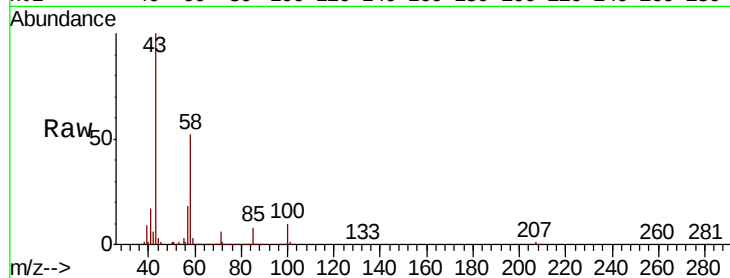
#59
2-Hexanone
Concen: 112.892 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion: 43 Resp: 601228
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7

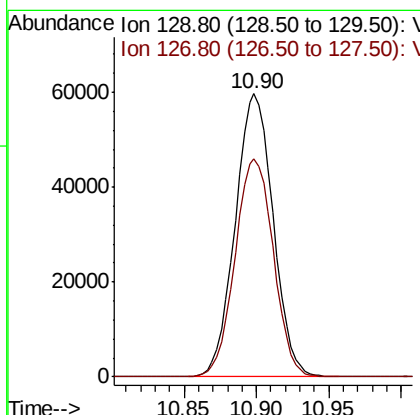
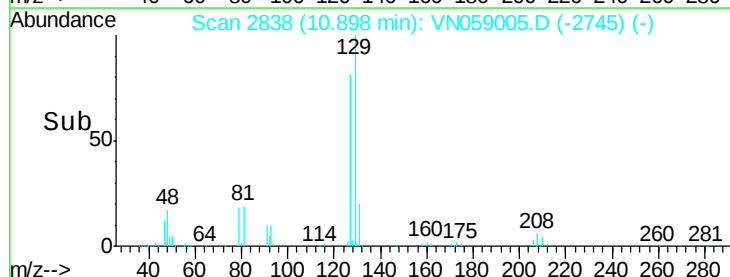
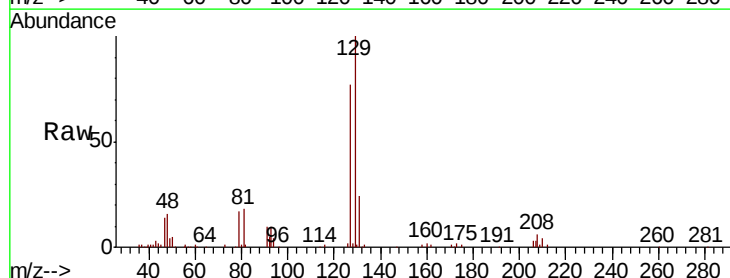
Manual Integrations
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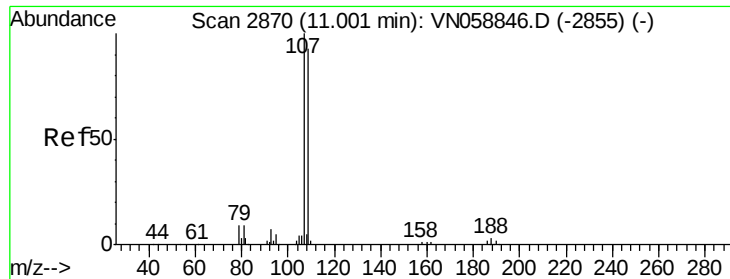
MMDadoda
10/30/2019 3:53:45 PM



#60
Dibromochloromethane
Concen: 20.839 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion: 129 Resp: 108647
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.3





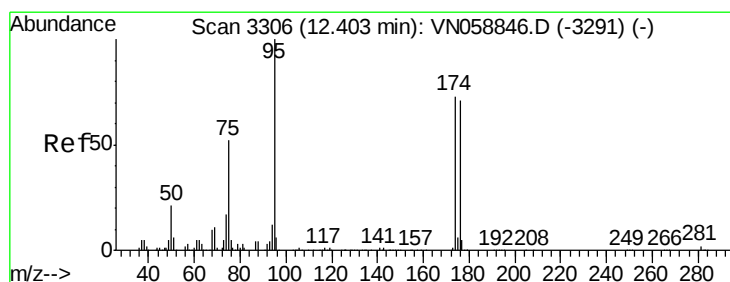
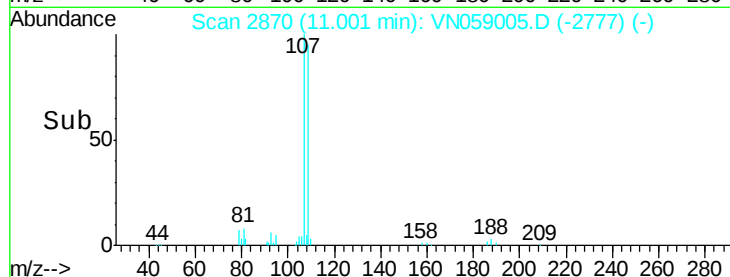
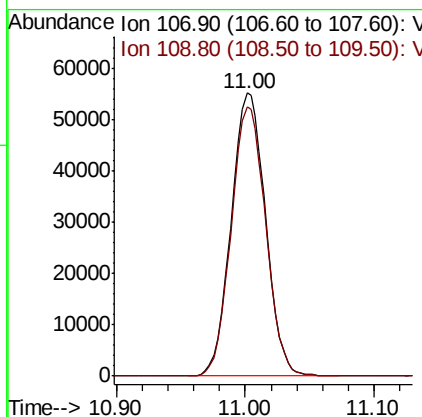
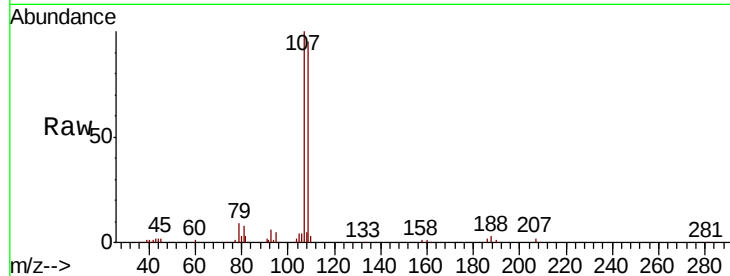
#61
 1,2-Dibromoethane
 Concen: 20.574 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.2	112.8

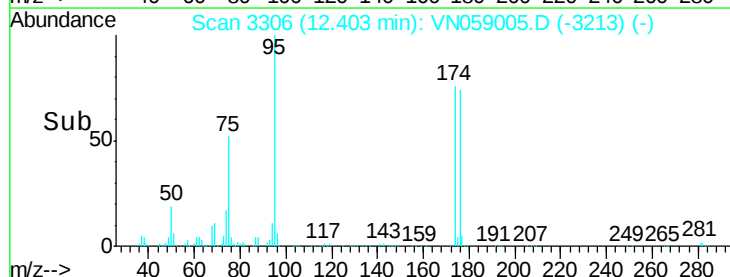
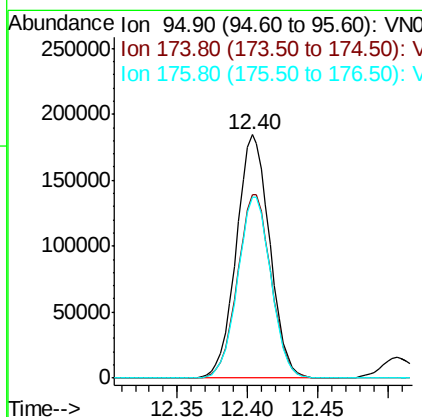
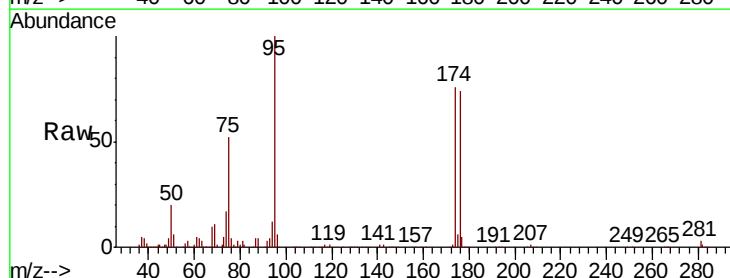
Manual Integrations
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 10/30/2019 3:53:45 PM



#62
 4-Bromofluorobenzene
 Concen: 49.574 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	147.6
176	74.1	0.0	143.2





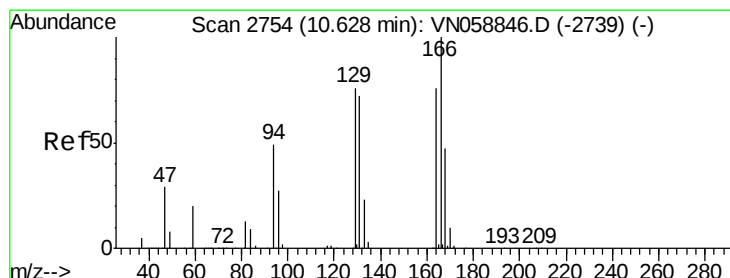
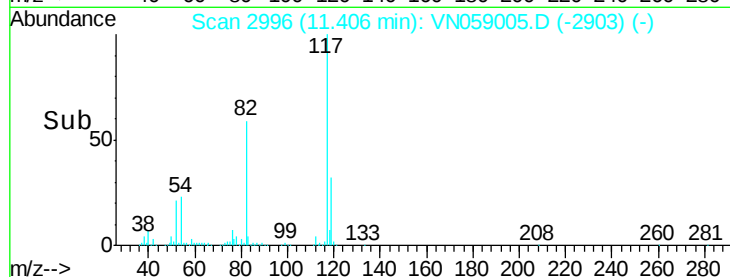
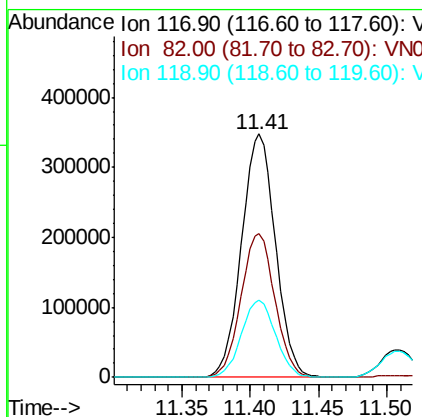
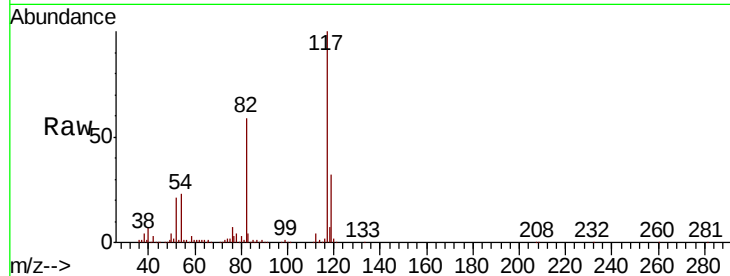
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	599900		
82	59.3	46.6	69.8	
119	31.6	25.6	38.4	

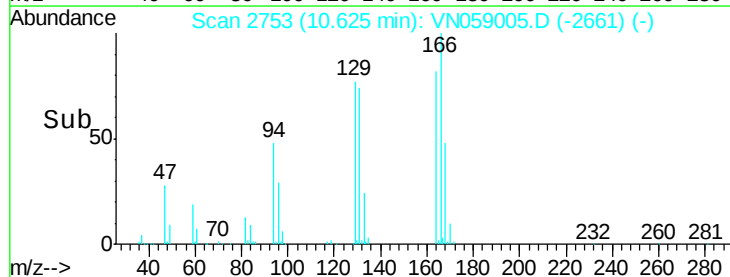
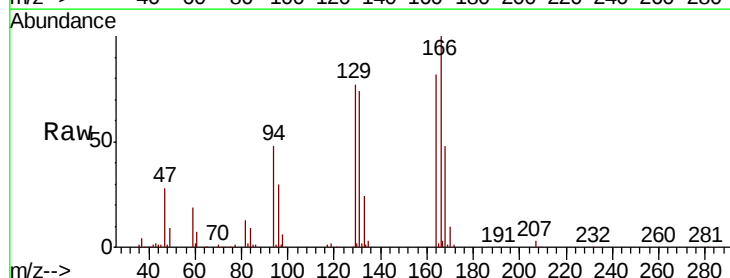
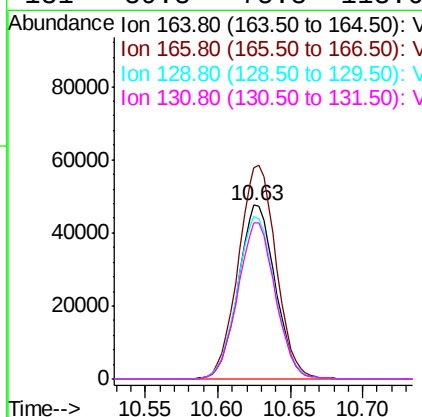
Manual Integrations
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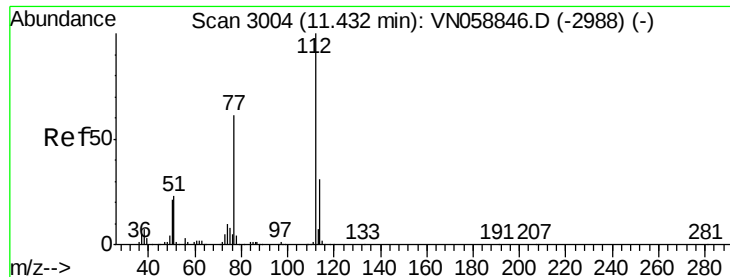
MMDadoda
10/30/2019 3:53:45 PM



#64
Tetrachloroethene
Concen: 20.067 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	84308		
166	121.7	104.8	157.2	
129	93.5	79.3	118.9	
131	89.8	75.8	113.6	





#65

Chlorobenzene

Concen: 21.449 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion:112 Resp: 261958

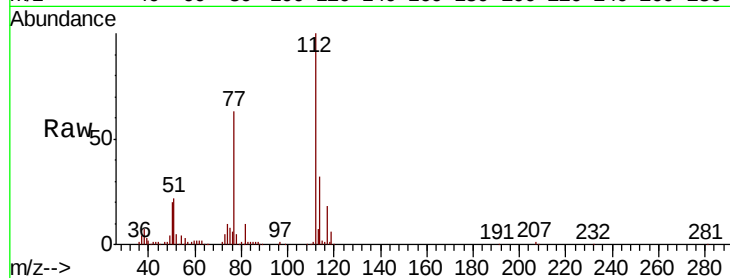
Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

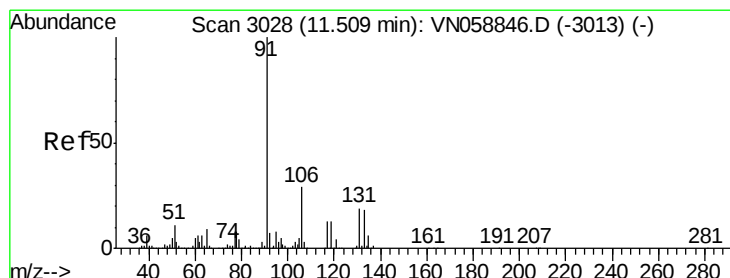
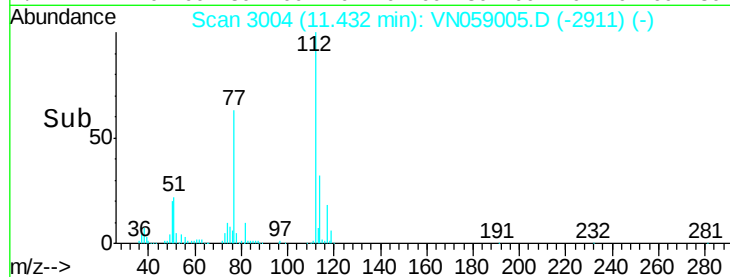
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.774 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

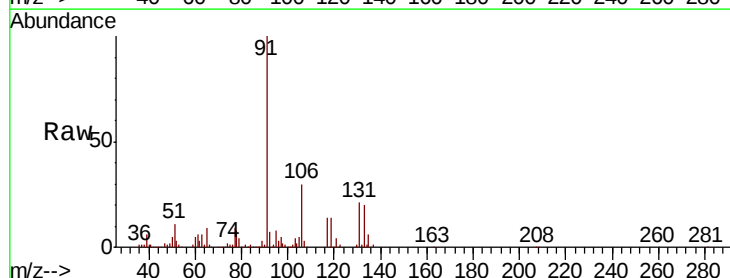
Tgt Ion:131 Resp: 100352

Ion Ratio Lower Upper

131 100

133 96.7 48.4 145.2

119 67.3 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

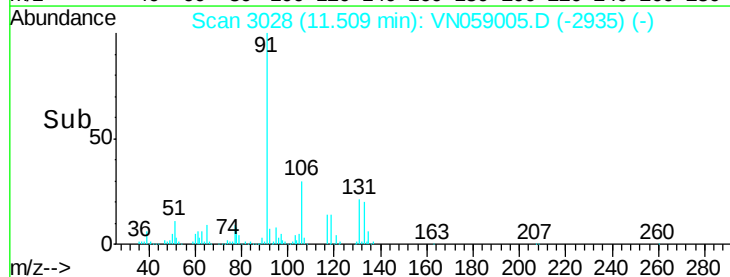
60000

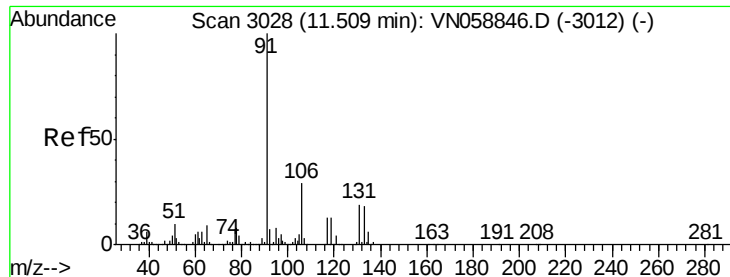
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 21.789 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 91 Resp: 466825

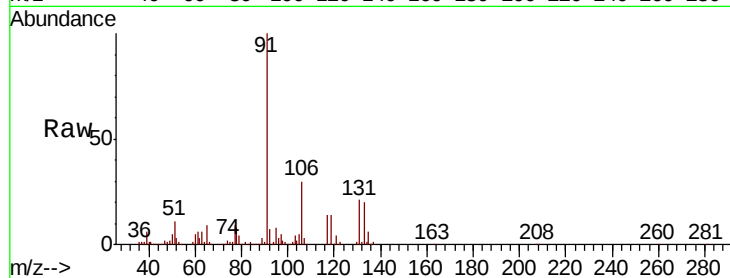
Ion Ratio Lower Upper

91 100

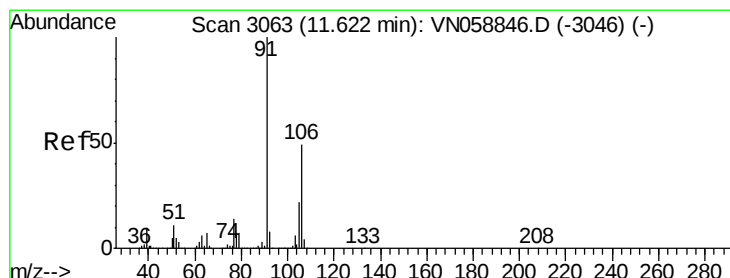
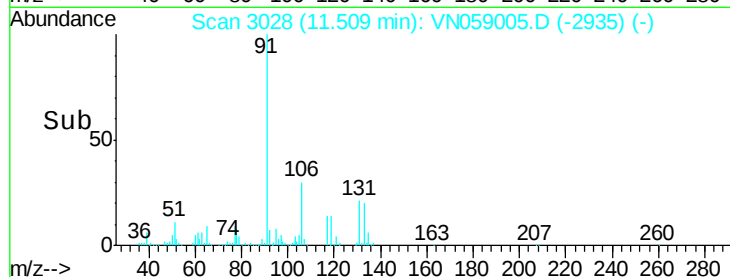
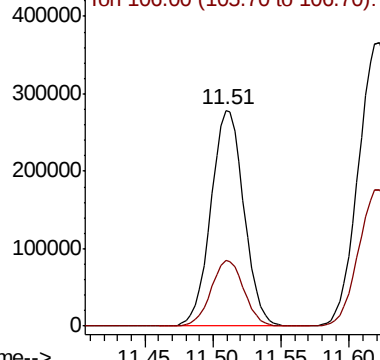
106 30.4 23.4 35.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 43.222 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059005.D

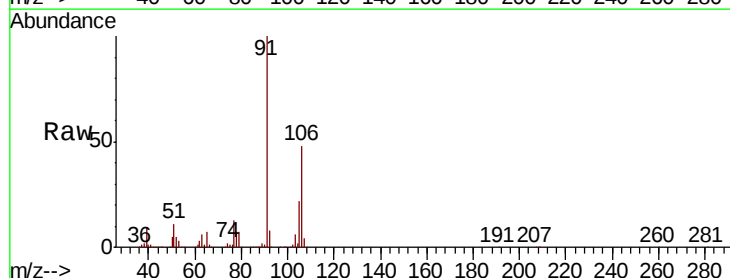
Acq: 29 Oct 2019 13:11

Tgt Ion: 106 Resp: 343413

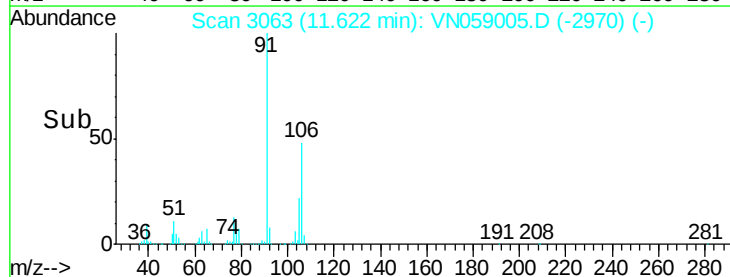
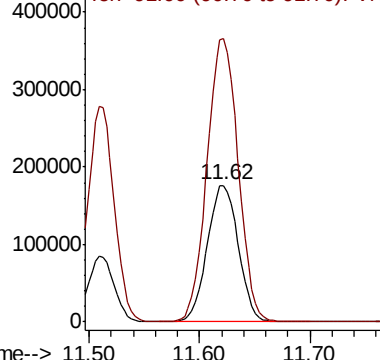
Ion Ratio Lower Upper

106 100

91 208.2 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)





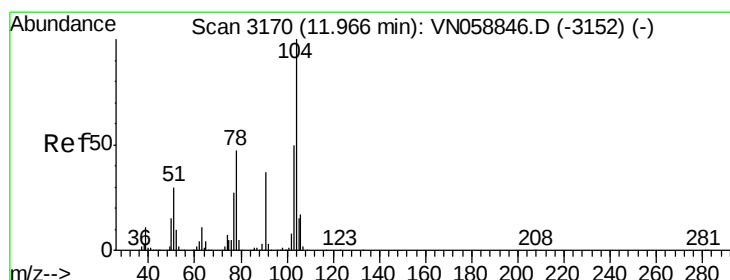
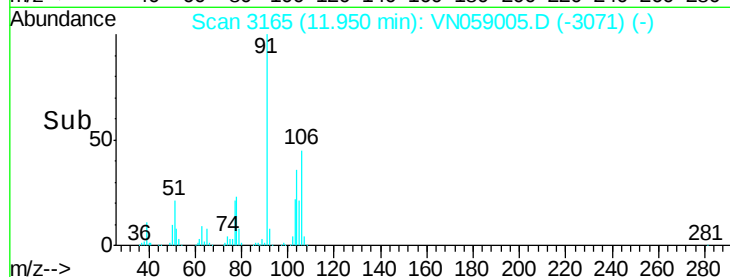
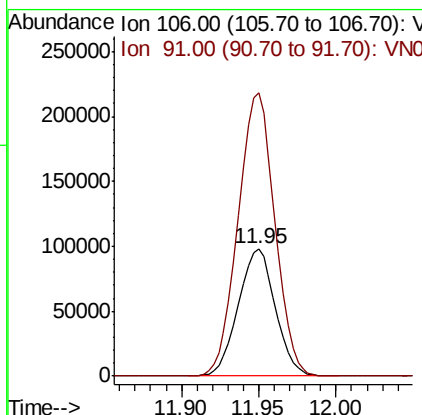
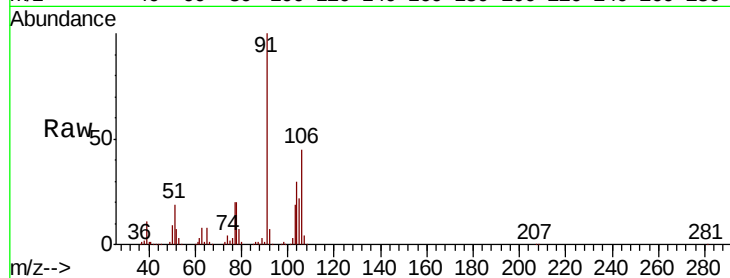
#69
o-Xylene
Concen: 21.534 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion:106 Resp: 163177
Ion Ratio Lower Upper
106 100
91 221.4 111.5 334.4

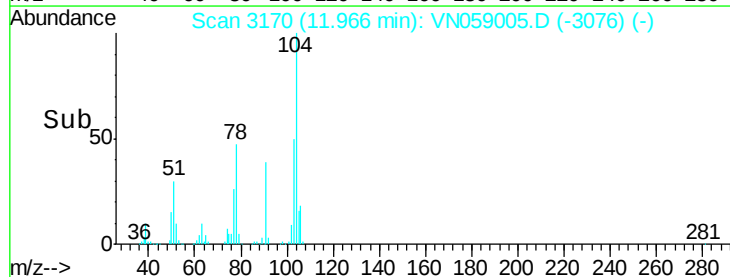
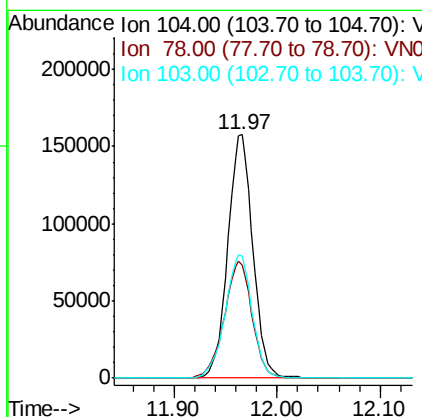
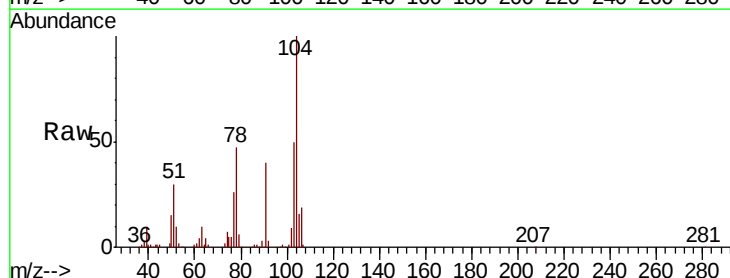
Manual Integrations
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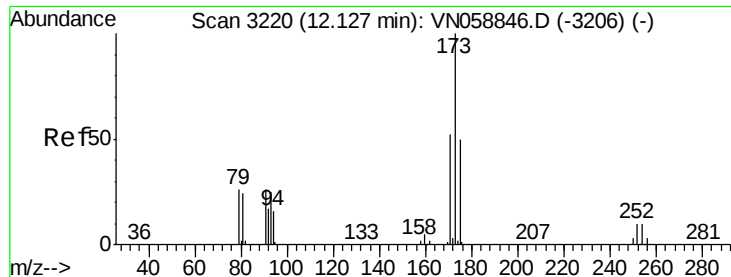
MMDadoda
10/30/2019 3:53:45 PM



#70
Styrene
Concen: 20.156 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion:104 Resp: 267116
Ion Ratio Lower Upper
104 100
78 53.1 42.8 64.2
103 54.8 44.3 66.5





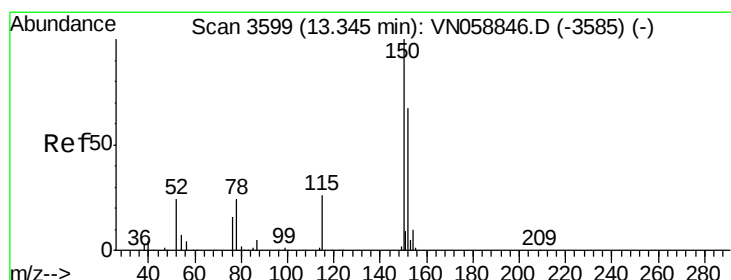
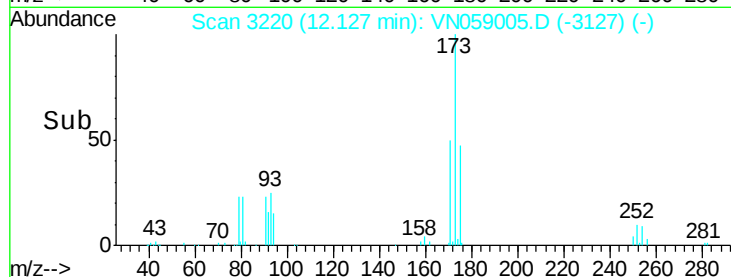
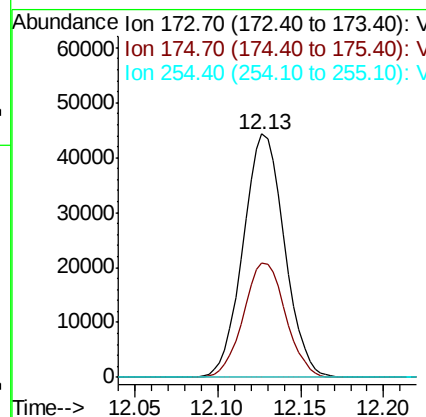
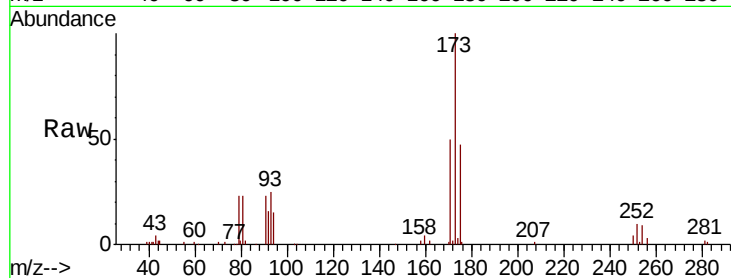
#71
Bromoform
Concen: 21.550 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.7	74.1
254	0.0	0.0	0.0

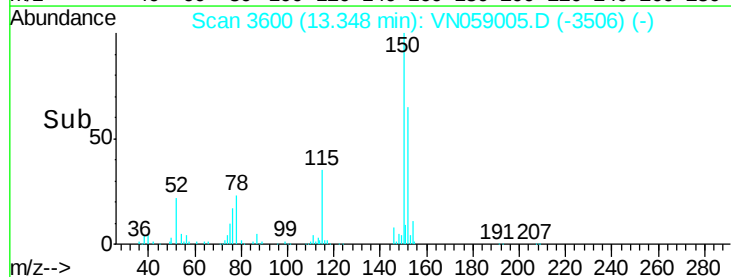
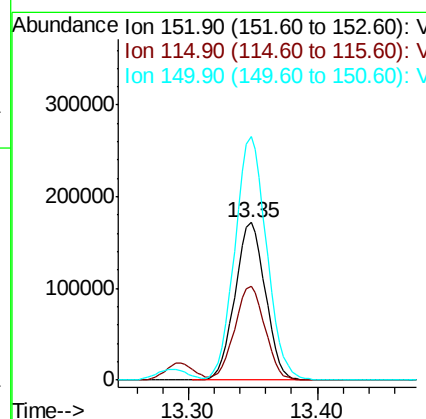
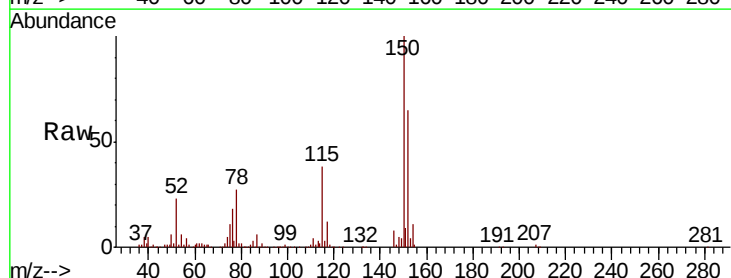
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.5	91.5
150	161.9	0.0	344.4





#73

Isopropylbenzene

Concen: 21.771 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 105 Resp: 447626

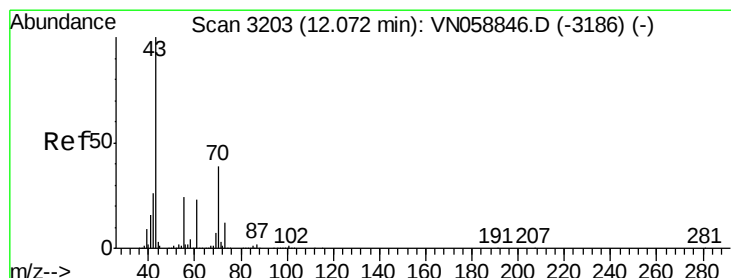
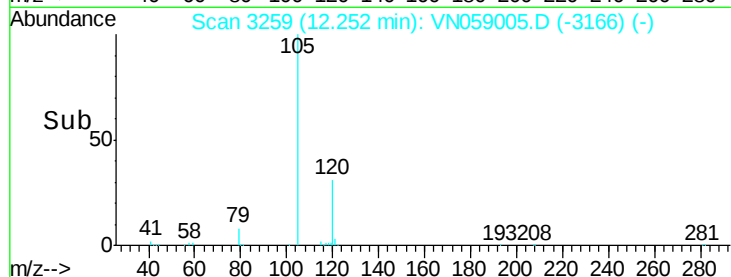
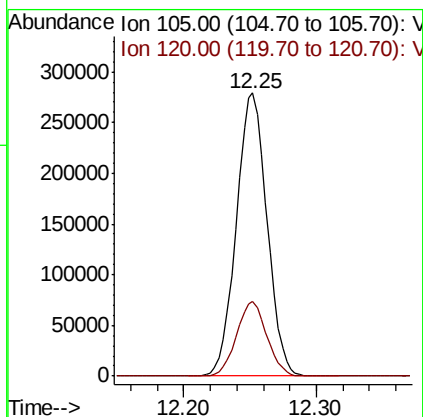
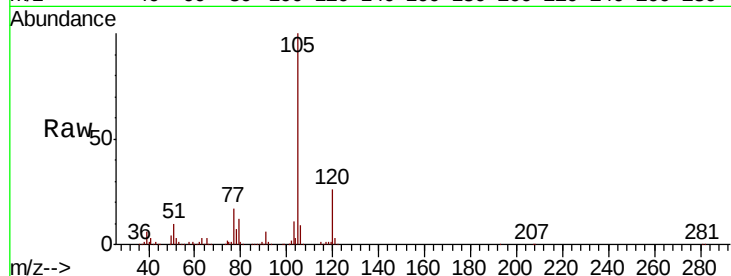
Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 22.103 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion: 43 Resp: 206035

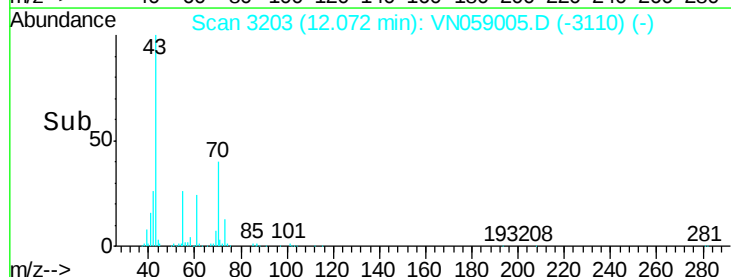
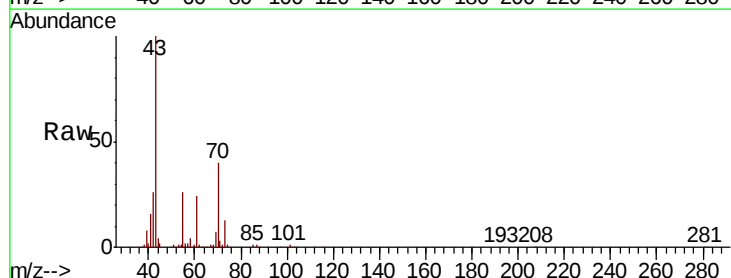
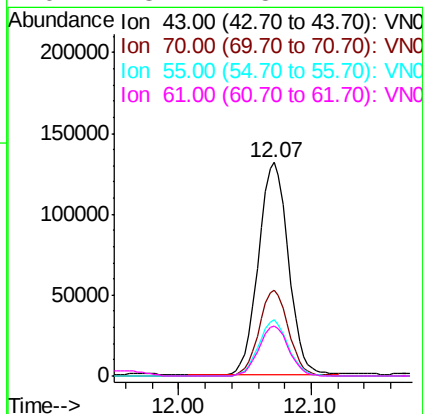
Ion Ratio Lower Upper

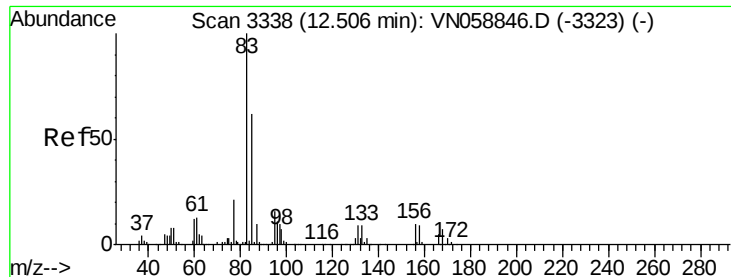
43 100

70 39.9 30.9 46.3

55 26.1 19.7 29.5

61 23.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.294 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 83 Resp: 161178

Ion Ratio Lower Upper

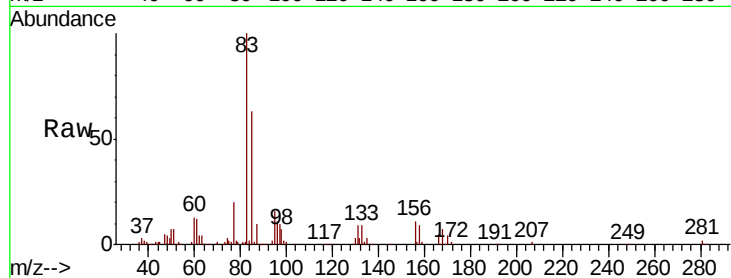
83 100

131 9.9 4.7 14.1

85 63.9 31.7 95.1

Manual Integrations
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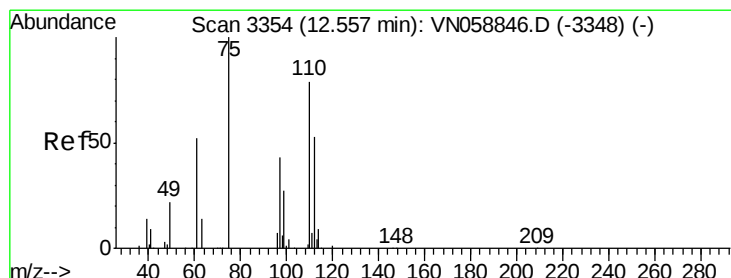
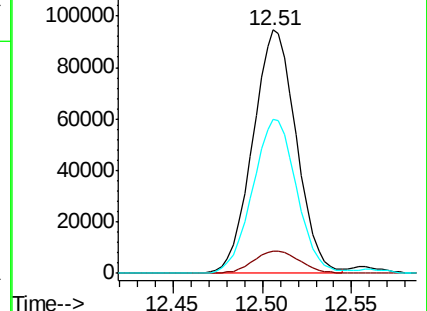
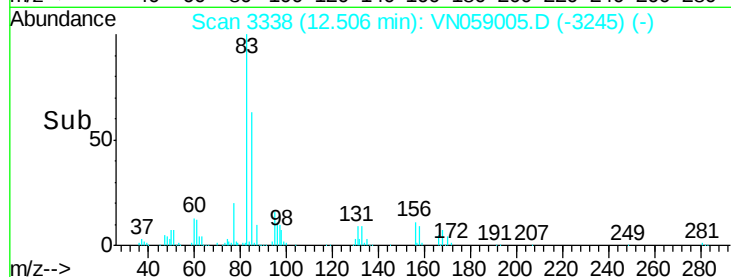


Abundance Ion 82.90 (82.60 to 83.60): VN059005.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059005.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059005.D (-3245) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.677 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059005.D

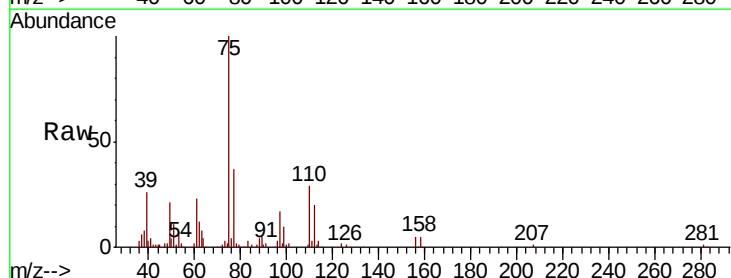
Acq: 29 Oct 2019 13:11

Tgt Ion: 75 Resp: 141343

Ion Ratio Lower Upper

75 100

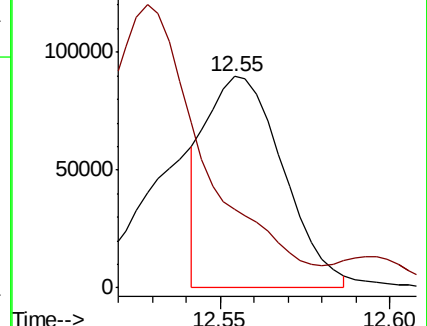
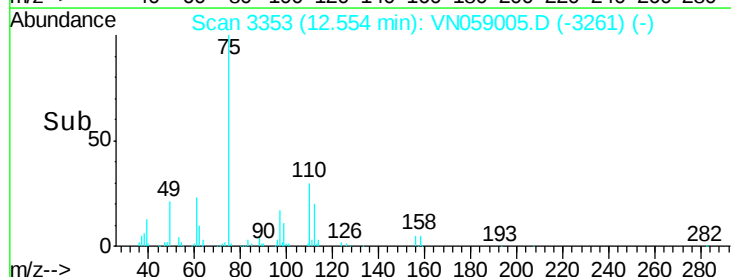
77 0.0 0.0 0.0

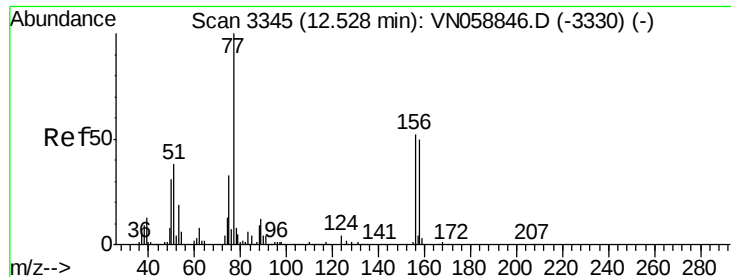


Abundance Ion 74.90 (74.60 to 75.60): VN059005.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN059005.D (-3261) (-)

Time-->





#77

Bromobenzene

Concen: 21.675 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

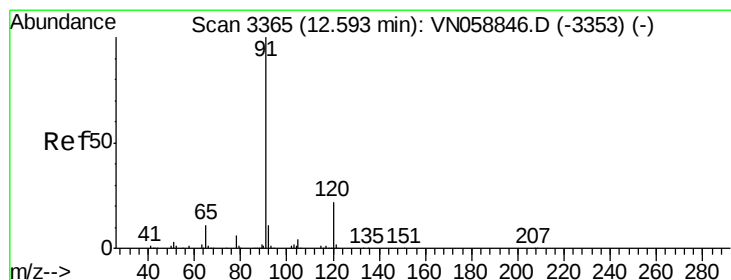
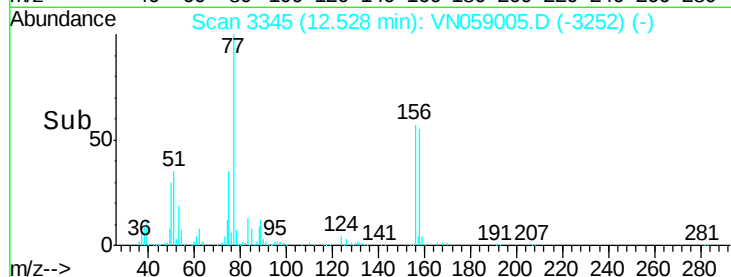
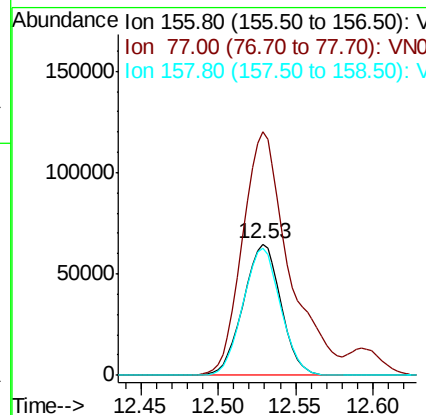
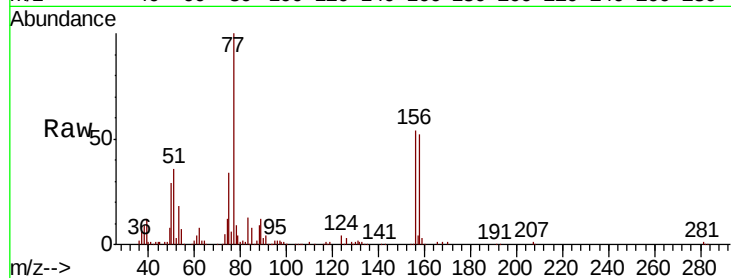
ClientSampleId :

VN1029WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	229.1	118.0	354.0	
158	96.6	48.3	144.8	

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#78

n-propylbenzene

Concen: 21.441 ug/l

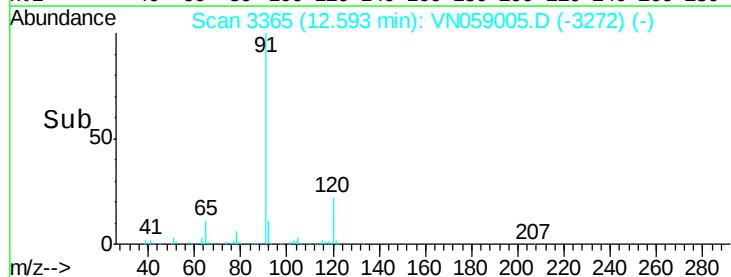
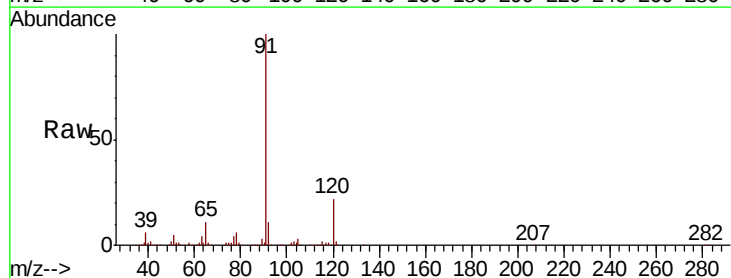
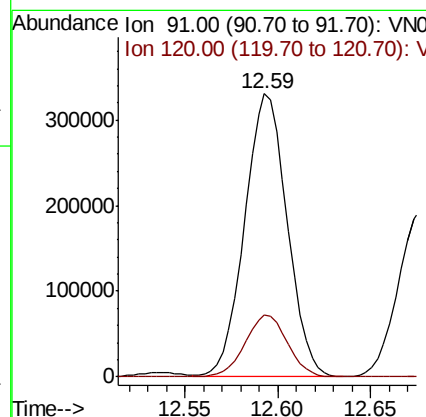
RT: 12.59 min Scan# 3365

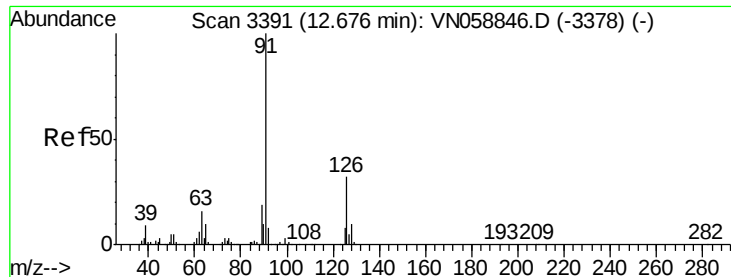
Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.1	33.1	





#79

2-Chlorotoluene

Concen: 21.316 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion: 91 Resp: 317070

Ion Ratio Lower Upper

91 100

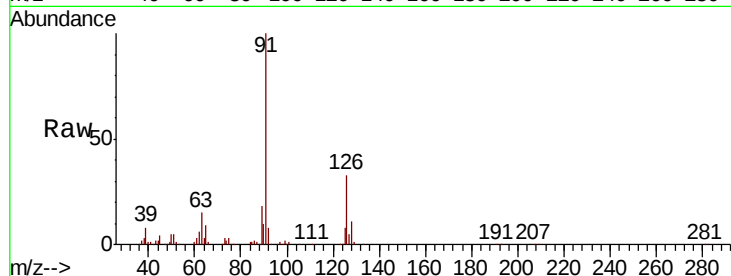
126 32.5 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

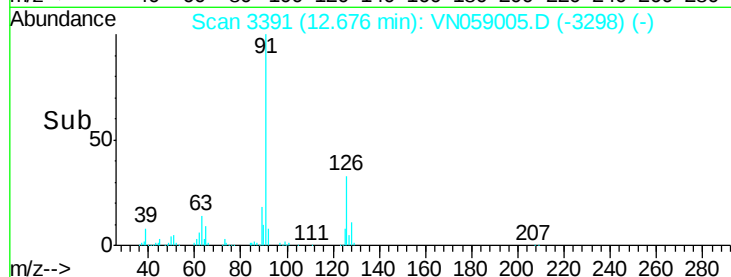
300000

200000

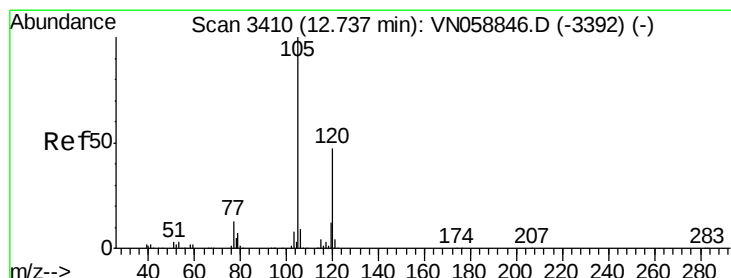
100000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.956 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059005.D

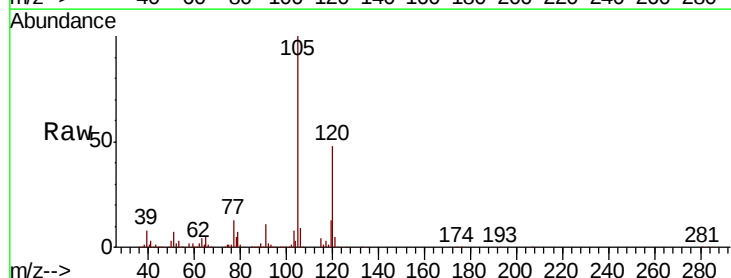
Acq: 29 Oct 2019 13:11

Tgt Ion:105 Resp: 379288

Ion Ratio Lower Upper

105 100

120 47.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

250000

200000

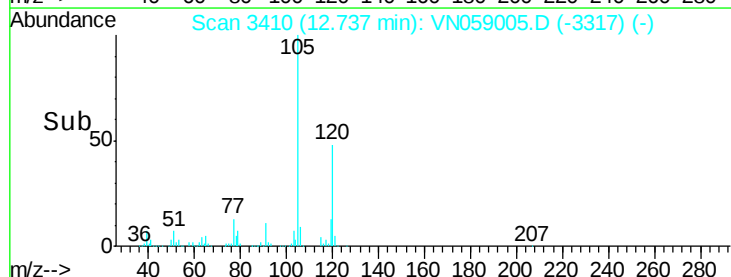
150000

100000

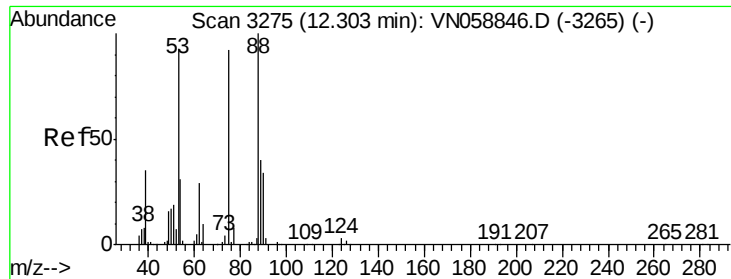
50000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 21.005 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

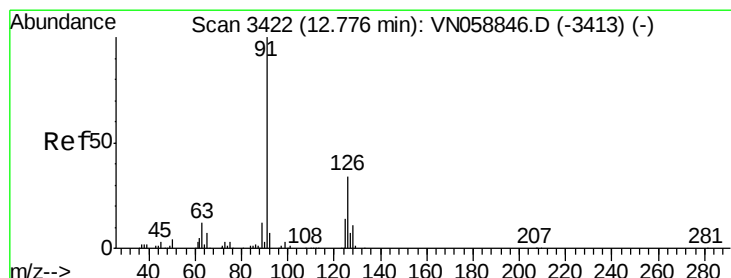
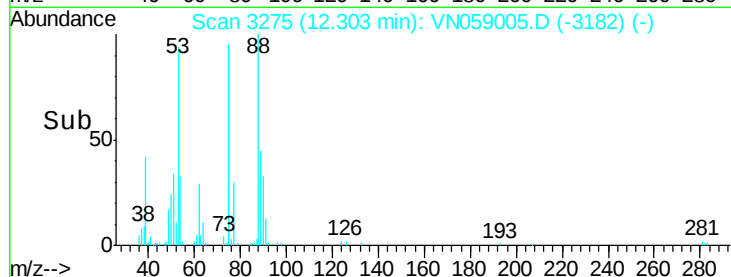
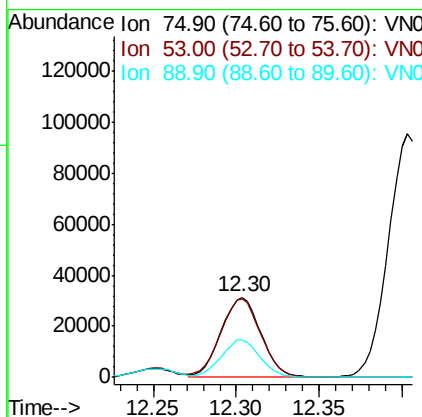
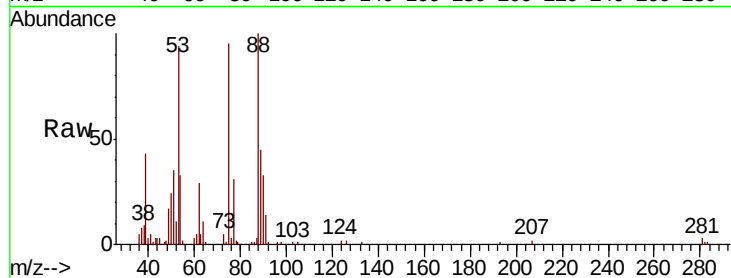
ClientSampleId :

VN1029WBSD01

Tot Ion:	75	Resp:	52575
Ion	Ratio	Lower	Upper
75	100		
53	97.4	78.6	118.0
89	45.9	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.050 ug/l

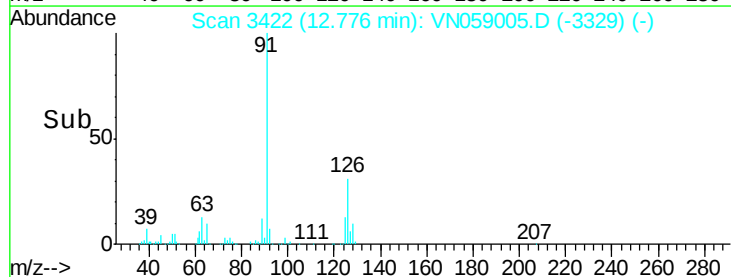
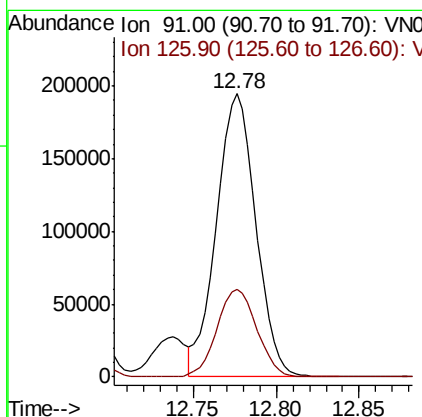
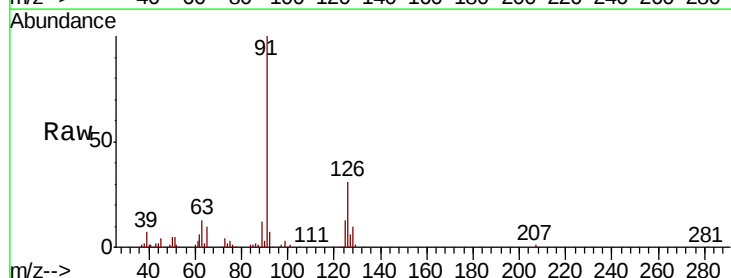
RT: 12.78 min Scan# 3422

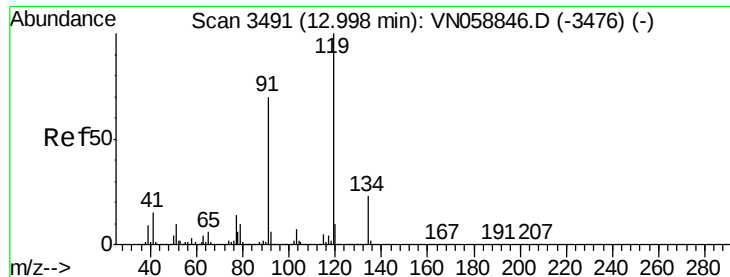
Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion:	91	Resp:	319981
Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.0	47.9





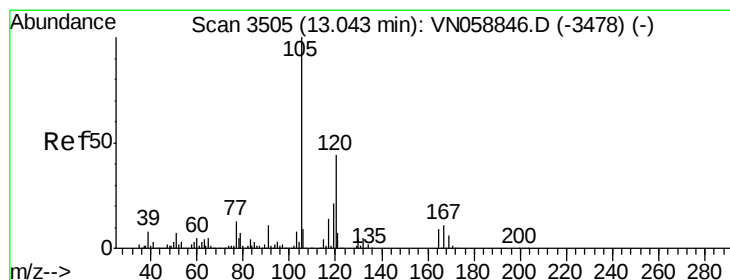
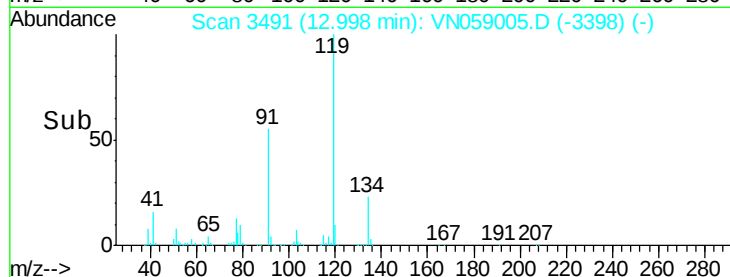
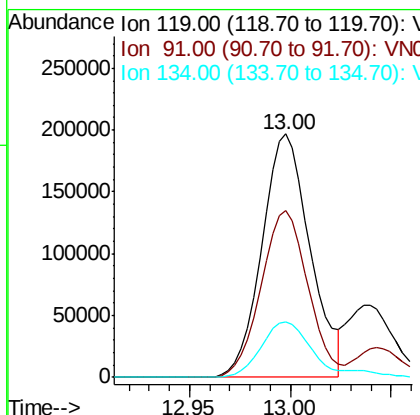
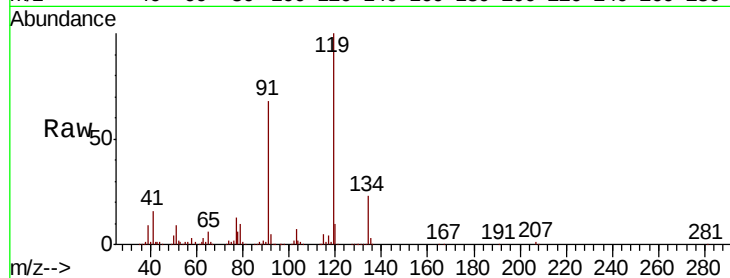
#83
 tert-Butylbenzene
 Concen: 22.138 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	34.1	102.3
134	23.2	11.6	34.8

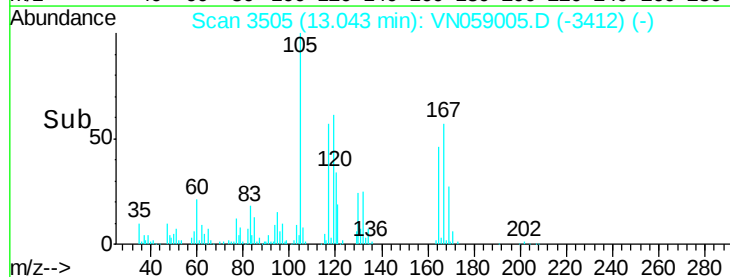
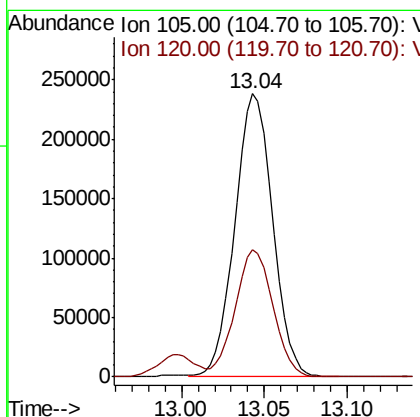
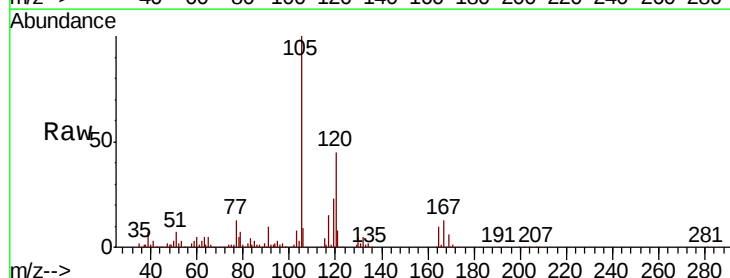
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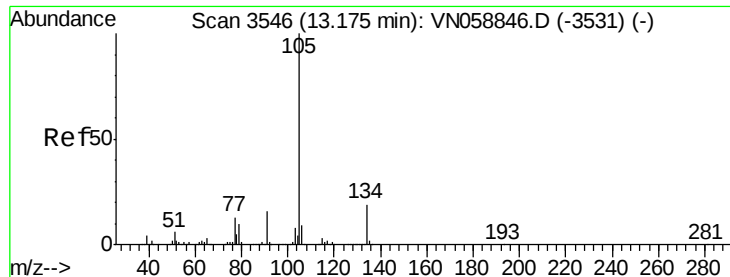
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.041 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.9	65.8





#85

sec-Butylbenzene

Concen: 22.072 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBSD01

Tot Ion:105 Resp: 434725

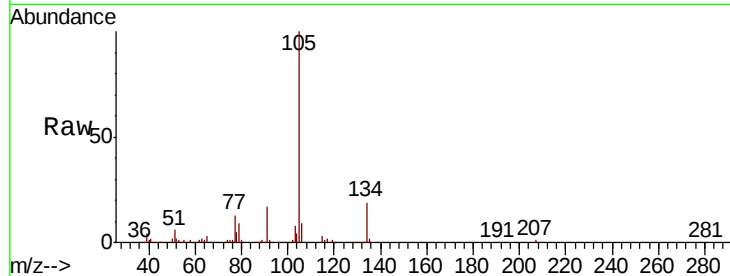
Ion Ratio Lower Upper

105 100

134 19.3 9.4 28.2

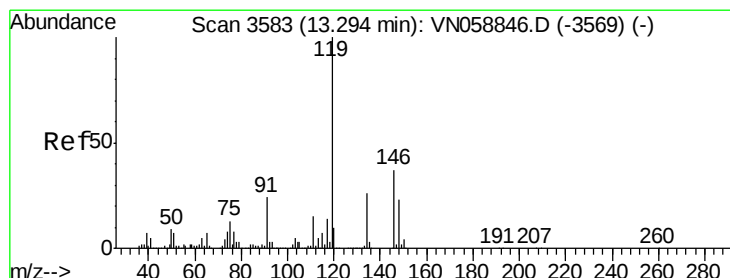
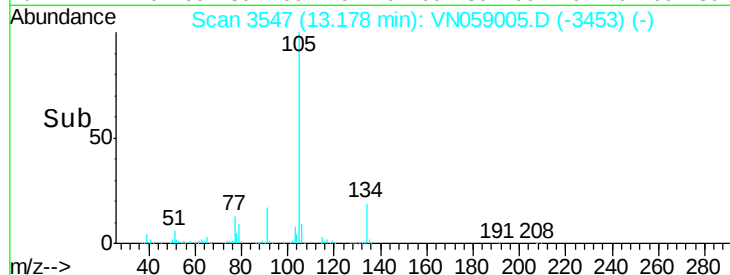
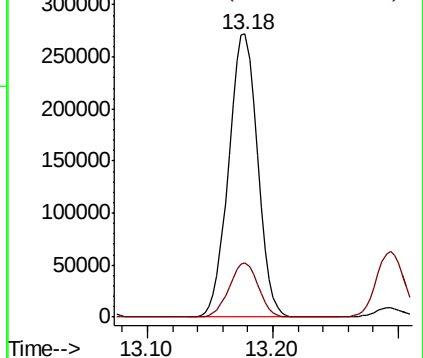
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.004 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

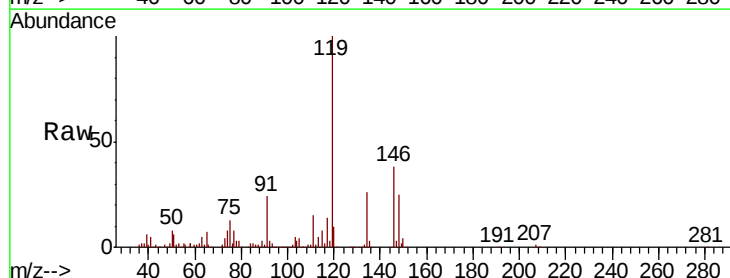
Tgt Ion:119 Resp: 382393

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

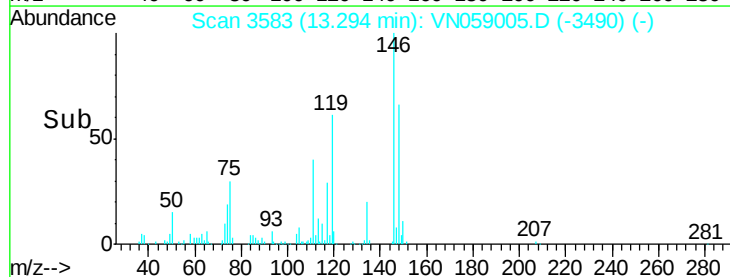
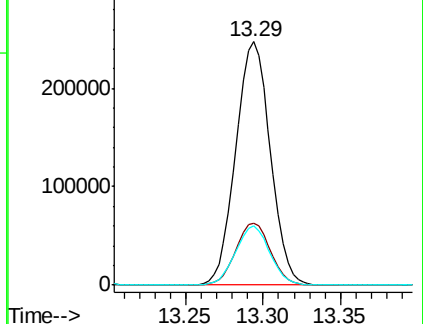
91 24.2 12.2 36.4

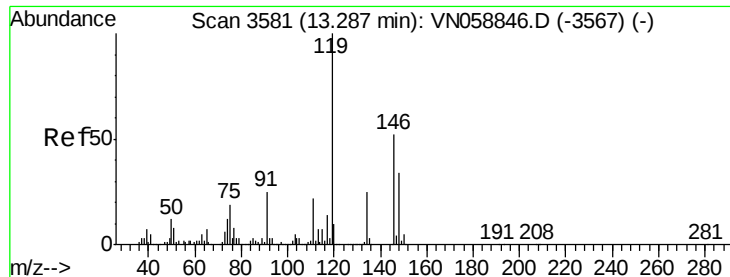


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





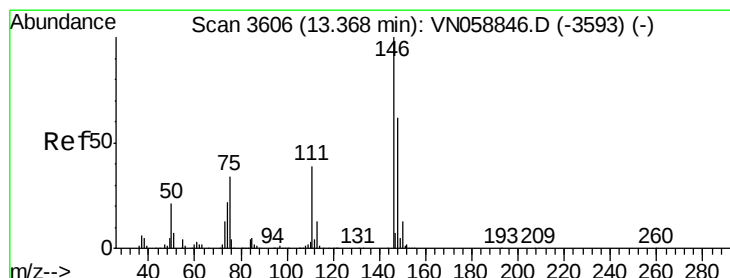
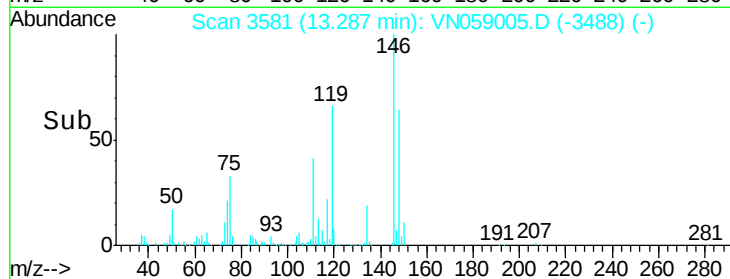
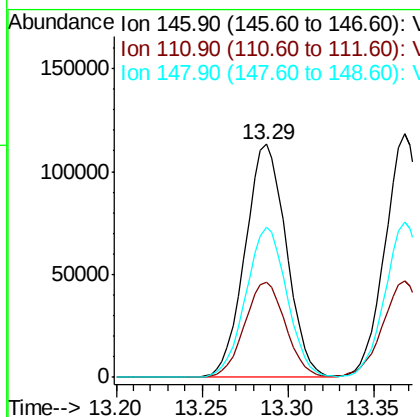
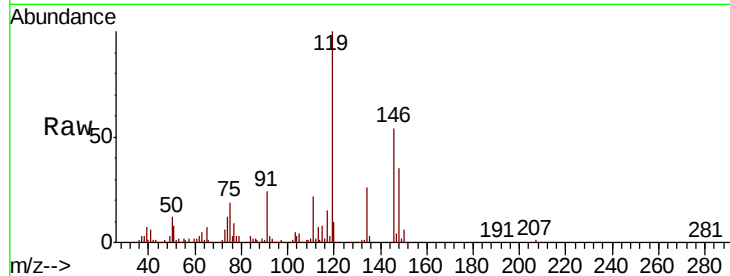
#87
 1,3-Dichlorobenzene
 Concen: 20.770 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.0	63.0
148	64.1	32.1	96.3

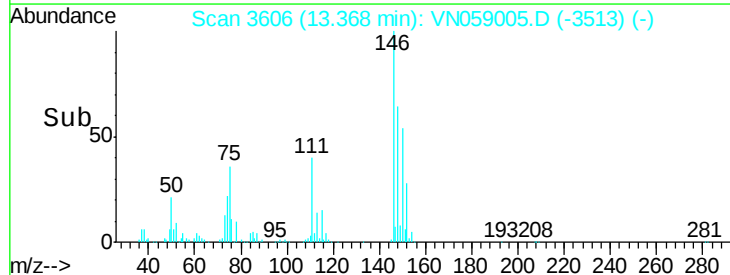
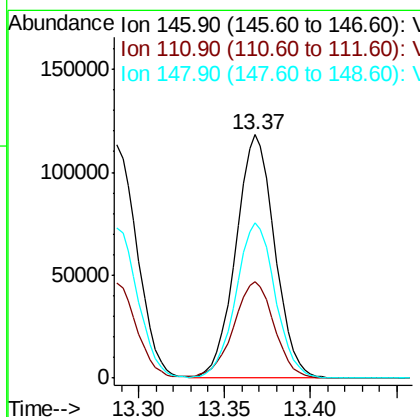
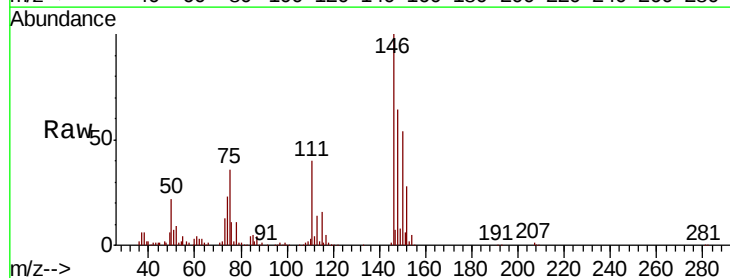
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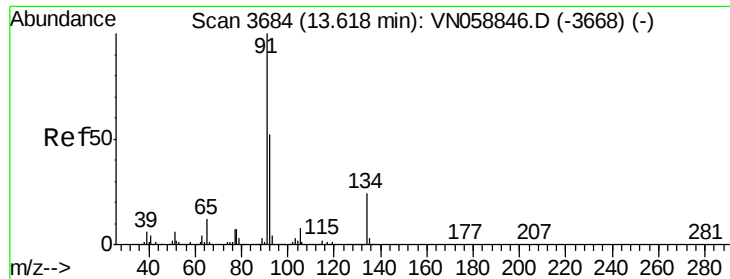
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#88
 1,4-Dichlorobenzene
 Concen: 20.408 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.6
148	65.0	31.6	94.7





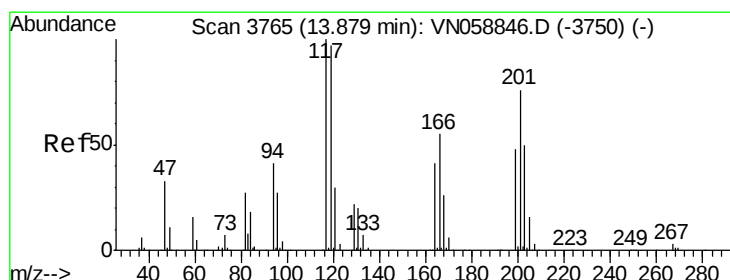
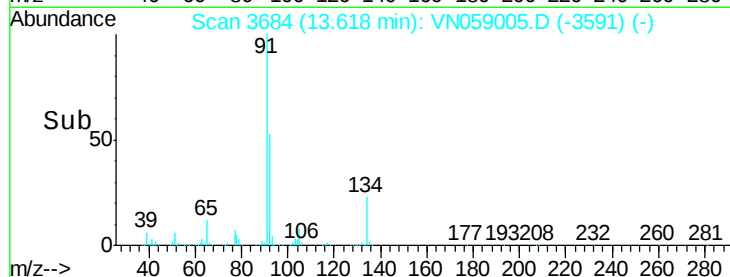
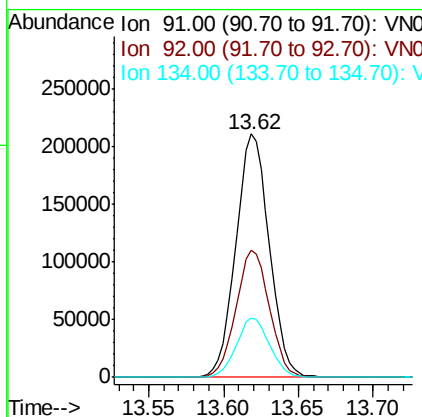
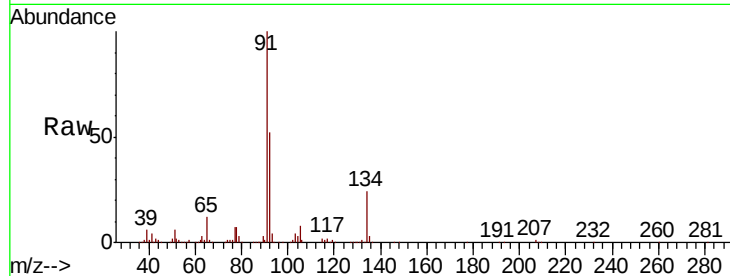
#89
n-Butylbenzene
Concen: 20.528 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.7	77.1
134	24.4	11.9	35.5

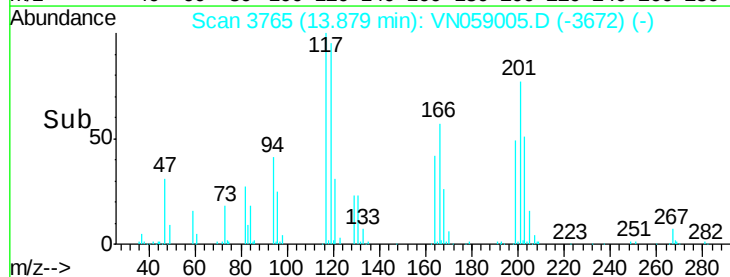
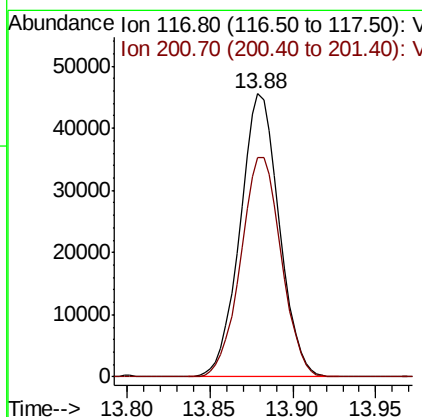
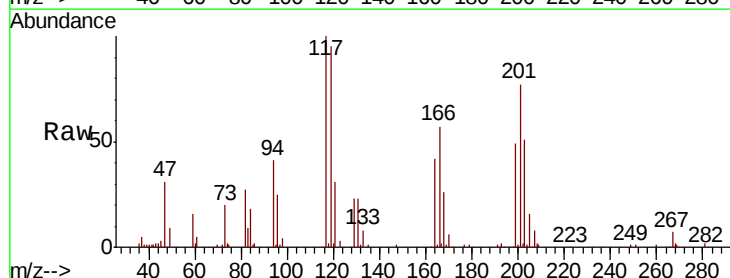
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#90
Hexachloroethane
Concen: 21.178 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	38.9	116.6





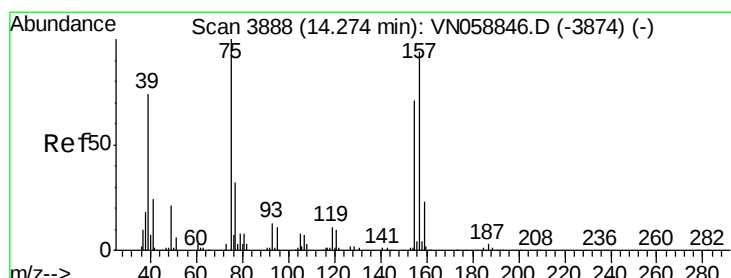
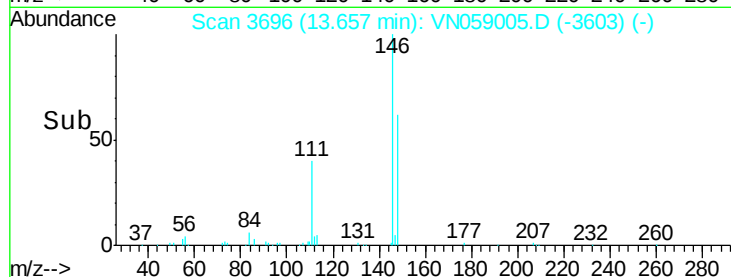
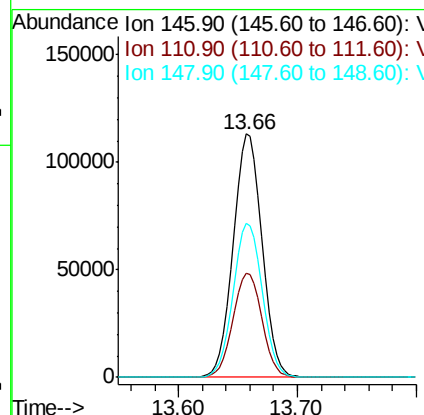
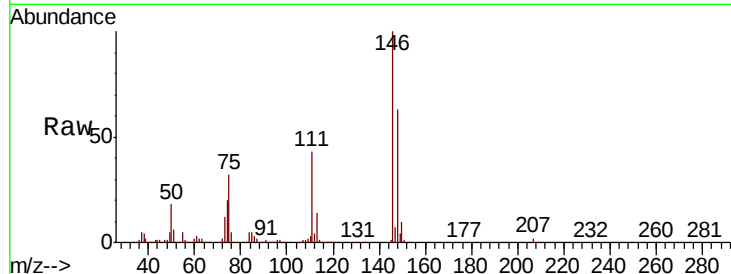
#91
 1,2-Dichlorobenzene
 Concen: 21.395 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	63.8	31.9	95.9

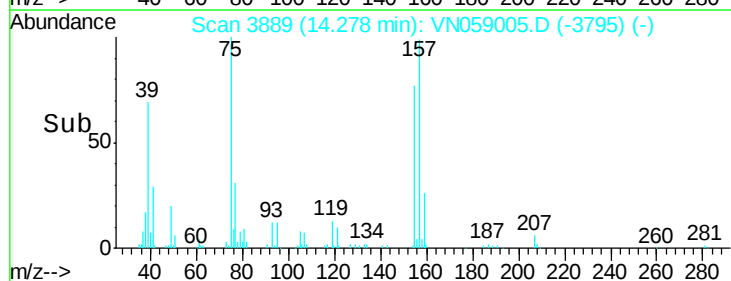
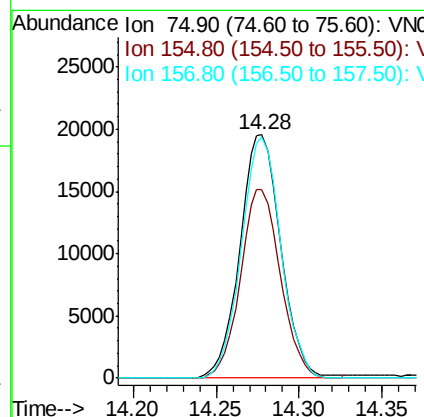
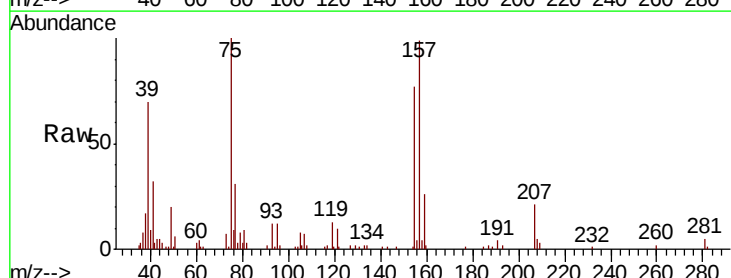
Manual Integrations
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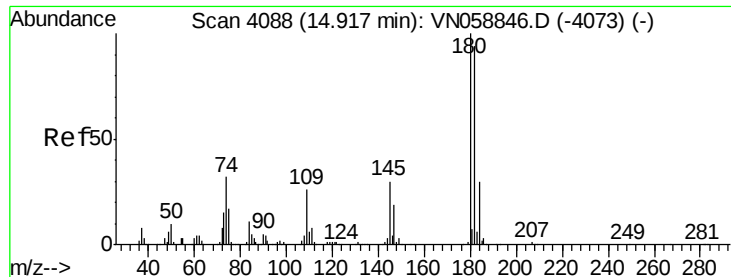
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.538 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.4	35.6	106.8
157	95.1	47.4	142.2





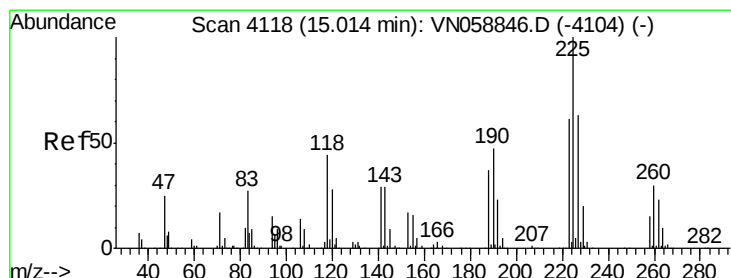
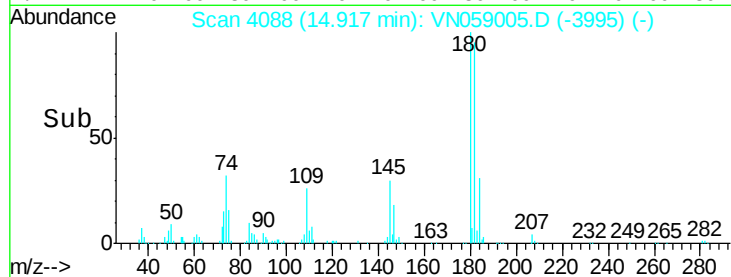
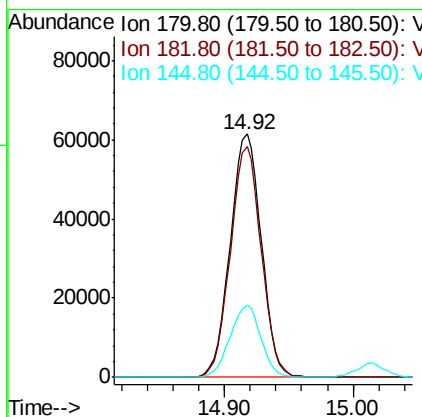
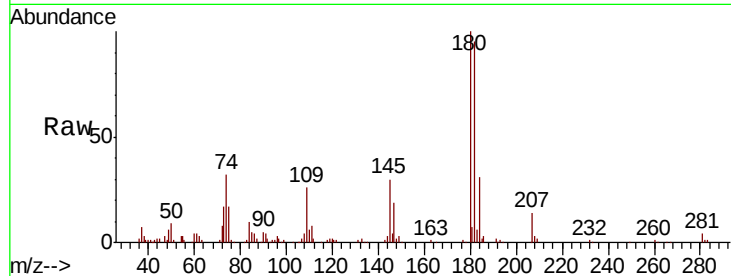
#93
 1,2,4-Trichlorobenzene
 Concen: 19.925 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102765		
182	94.0	47.3	142.0	
145	29.4	15.3	45.8	

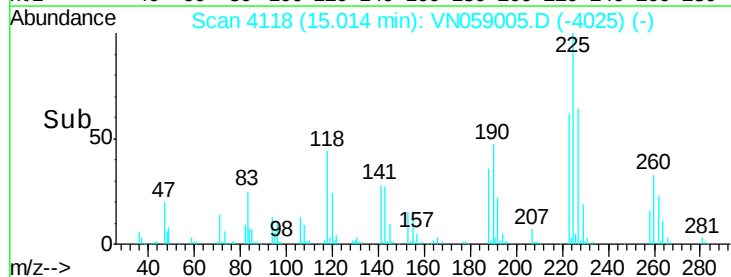
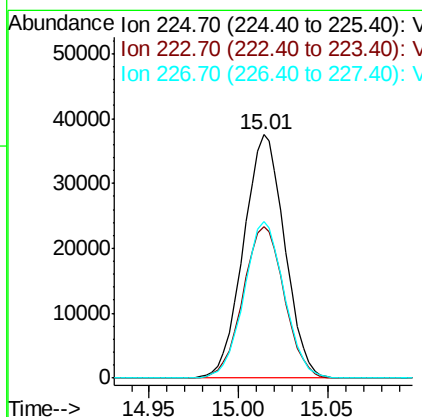
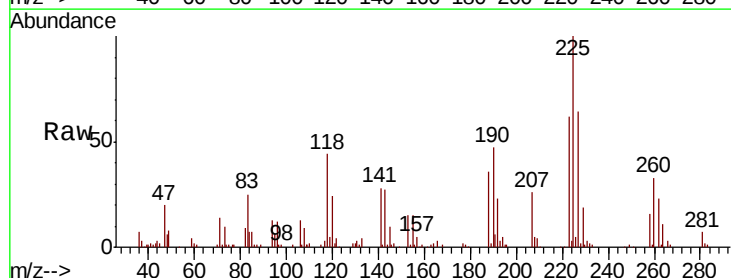
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 20.979 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60563		
223	62.1	30.9	92.5	
227	62.7	31.6	94.7	





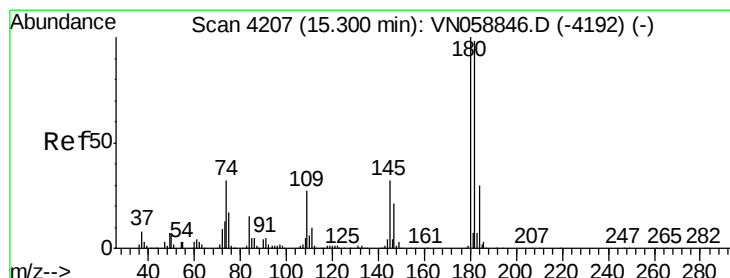
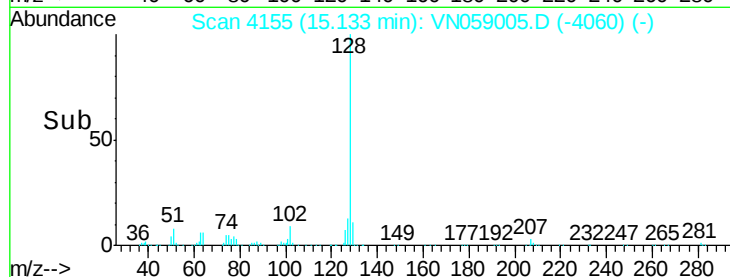
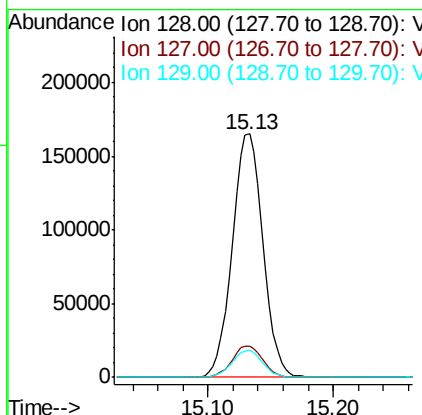
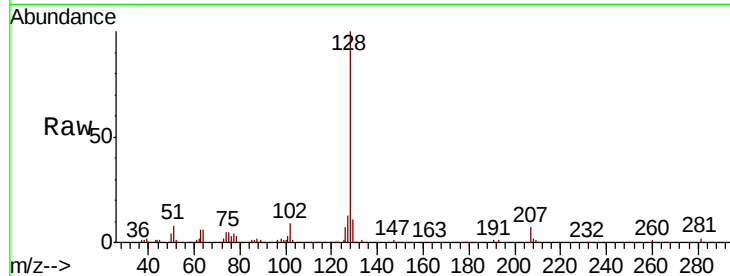
#95
Naphthalene
Concen: 18.810 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.1	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 20.309 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	31.6	15.9	47.7

