

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059133.D
 Acq On : 8 Nov 2019 10:09
 Operator : JC/SP
 Sample : VN1108MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/11/2019 10:45:48 AM

Quant Time: Nov 11 01:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	471423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	725154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	654768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	279689	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	7.56	113	218731	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.08	98	842892	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	298055	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	91629	19.291	ug/l	99
3) Chloromethane	2.04	50	118651	18.377	ug/l	100
4) Vinyl Chloride	2.17	62	119532	19.095	ug/l	99
5) Bromomethane	2.54	94	66263	18.395	ug/l	97
6) Chloroethane	2.68	64	71222	19.234	ug/l	96
7) Trichlorofluoromethane	3.00	101	147655	19.721	ug/l	97
8) Diethyl Ether	3.39	74	61508	20.218	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	90412	20.027	ug/l	100
10) Methyl Iodide	3.93	142	91730	16.416	ug/l	99
11) Tert butyl alcohol	4.75	59	100537	91.033	ug/l	98
12) 1,1-Dichloroethene	3.71	96	86598	19.692	ug/l	100
13) Acrolein	3.58	56	49417	86.787	ug/l	99
14) Allyl chloride	4.29	41	171303	18.963	ug/l	100
15) Acrylonitrile	4.95	53	274367	99.825	ug/l	99
16) Acetone	3.79	43	312237	103.612	ug/l	98
17) Carbon Disulfide	4.03	76	250052	18.317	ug/l	100
18) Methyl Acetate	4.29	43	145995	20.411	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	305867	20.202	ug/l	100
20) Methylene Chloride	4.52	84	103308	19.678	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	94027	19.919	ug/l	95
22) Diisopropyl ether	5.92	45	342415	20.068	ug/l	97
23) Vinyl Acetate	5.86	43	1396635	105.615	ug/l	100
24) 1,1-Dichloroethane	5.82	63	188063	19.734	ug/l	100
25) 2-Butanone	6.81	43	396463	99.824	ug/l	100
26) 2,2-Dichloropropane	6.80	77	160743	19.290	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	108271	19.770	ug/l	99
28) Bromochloromethane	7.17	49	55792	19.459	ug/l	99
29) Tetrahydrofuran	7.18	42	247295	97.994	ug/l	99
30) Chloroform	7.35	83	182177	19.928	ug/l	98
31) Cyclohexane	7.63	56	172192	19.086	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	155272	20.202	ug/l	99
36) 1,1-Dichloropropene	7.77	75	133856	19.748	ug/l	100
37) Ethyl Acetate	6.90	43	153373	20.340	ug/l	99
38) Carbon Tetrachloride	7.75	117	136656	20.256	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	156089	19.842	ug/l	98
40) Benzene	8.02	78	413169	20.242	ug/l	100
41) Methacrylonitrile	7.15	41	60088m	18.326	ug/l	
42) 1,2-Dichloroethane	8.10	62	144080	20.581	ug/l	99
43) Isopropyl Acetate	8.14	43	234715	19.525	ug/l	98
44) Trichloroethene	8.82	130	101158	20.161	ug/l	99
45) 1,2-Dichloropropane	9.10	63	113774	20.522	ug/l	99
46) Dibromomethane	9.19	93	67542	19.550	ug/l	98
47) Bromodichloromethane	9.39	83	139962	20.289	ug/l	100
48) Methyl methacrylate	9.18	41	106874	19.876	ug/l	99
49) 1,4-Dioxane	9.18	88	34296	358.899	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	744751	109.491	ug/l	99
52) Toluene	10.14	92	251010	20.518	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	156814	19.675	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	171809	20.040	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	100251	20.248	ug/l	99
56) Ethyl methacrylate	10.42	69	147862	19.108	ug/l	99
57) 1,3-Dichloropropane	10.70	76	175322	20.574	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	285664	103.673	ug/l	100
59) 2-Hexanone	10.74	43	555643	106.428	ug/l	100
60) Dibromochloromethane	10.89	129	106080	20.264	ug/l	98
61) 1,2-Dibromoethane	11.00	107	100993	20.150	ug/l	100
64) Tetrachloroethene	10.62	164	88655	19.912	ug/l	99
65) Chlorobenzene	11.43	112	258748	20.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	99603	20.802	ug/l	100
67) Ethyl Benzene	11.51	91	466206	20.587	ug/l	99
68) m/p-Xylenes	11.62	106	347777	40.997	ug/l	100
69) o-Xylene	11.94	106	165839	20.229	ug/l	99
70) Styrene	11.96	104	263122	20.408	ug/l	99
71) Bromoform	12.12	173	75655	20.314	ug/l #	97
73) Isopropylbenzene	12.25	105	442365	20.521	ug/l	100
74) N-amyl acetate	12.07	43	180790	19.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	150446	20.494	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	137597m	20.394	ug/l	
77) Bromobenzene	12.52	156	105799	19.535	ug/l	97
78) n-propylbenzene	12.59	91	514343	20.838	ug/l	100
79) 2-Chlorotoluene	12.67	91	306705	20.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	376227	20.597	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50522	19.778	ug/l	99
82) 4-Chlorotoluene	12.77	91	312349	20.339	ug/l	99
83) tert-Butylbenzene	12.99	119	319989	20.285	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	369515	20.909	ug/l	100
85) sec-Butylbenzene	13.17	105	419722	20.459	ug/l	99
86) p-Isopropyltoluene	13.29	119	377444	20.837	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	182838	19.714	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	180940	19.499	ug/l	99
89) n-Butylbenzene	13.62	91	316094	19.937	ug/l	99
90) Hexachloroethane	13.88	117	71745	19.724	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	185443	20.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29671	20.274	ug/l	94

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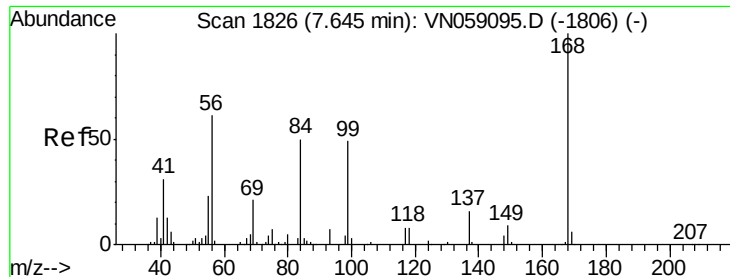
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91918	18.641	ug/l	100
94) Hexachlorobutadiene	15.01	225	61663	19.602	ug/l	99
95) Naphthalene	15.13	128	241587	17.818	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	94730	18.528	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion:168 Resp: 471423

Ion Ratio Lower Upper

168 100

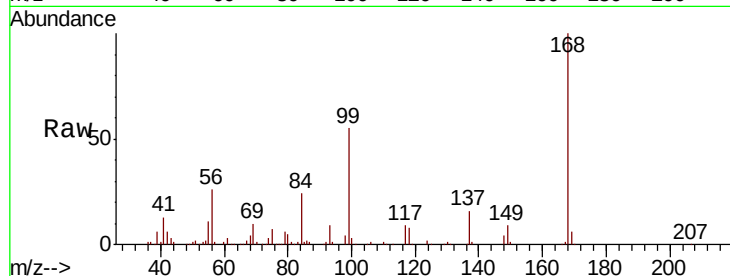
99 55.4 45.7 68.5

Manual Integrations

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11/11/2019 10:45:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

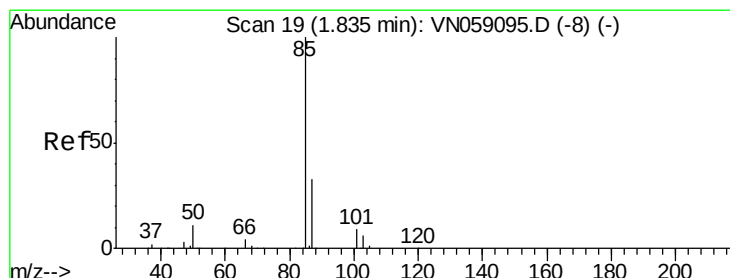
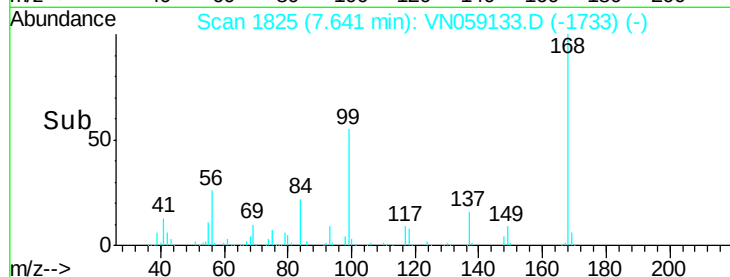
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.291 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059133.D

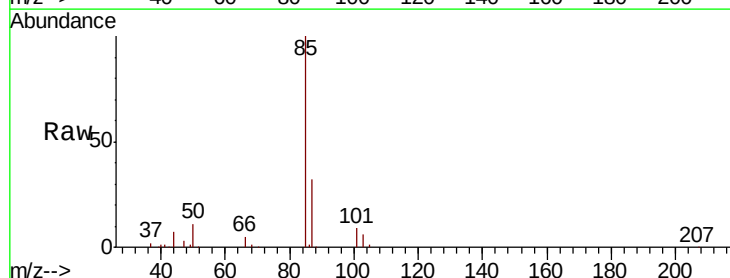
Acq: 8 Nov 2019 10:09

Tgt Ion: 85 Resp: 91629

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

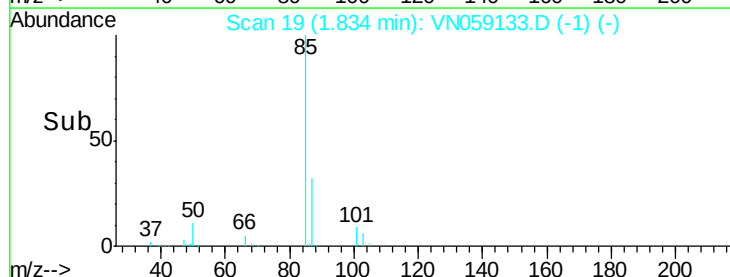
60000

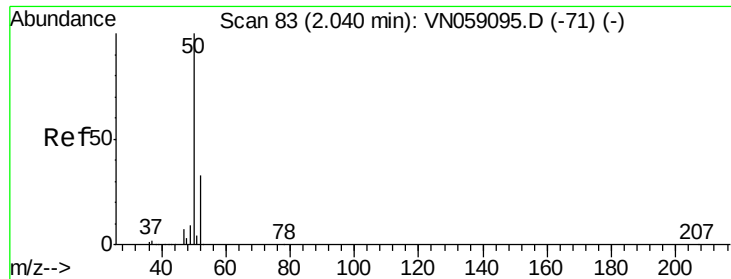
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.377 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 50 Resp: 118651

Ion Ratio Lower Upper

50 100

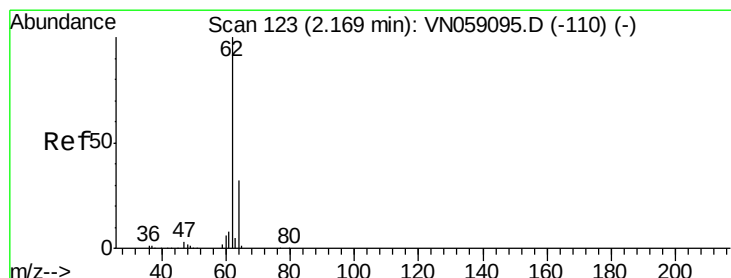
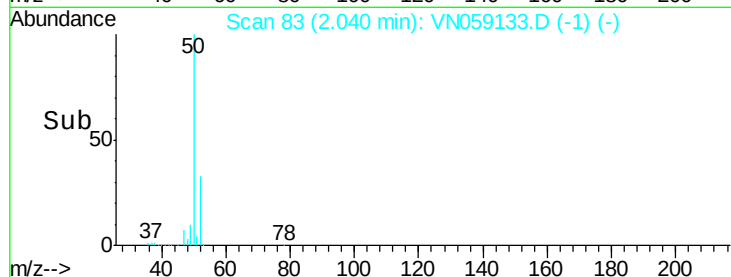
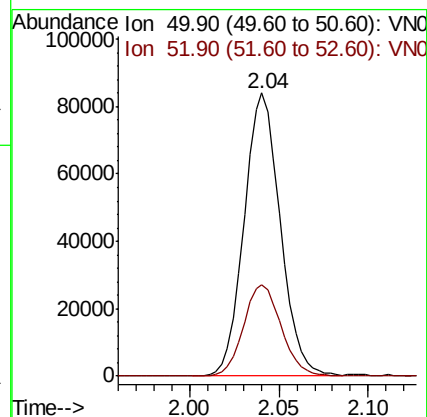
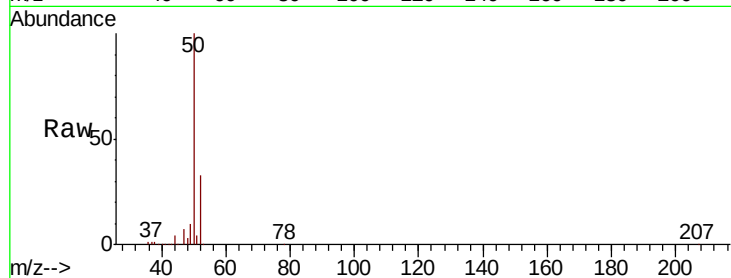
52 32.5 26.0 39.0

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11/11/2019 10:45:48 AM



#4

Vinyl Chloride

Concen: 19.095 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059133.D

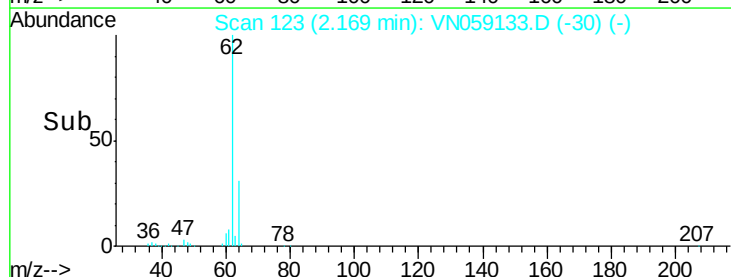
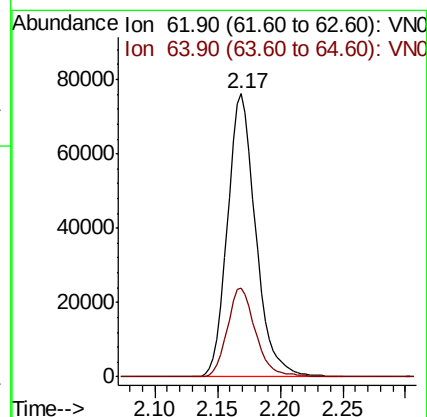
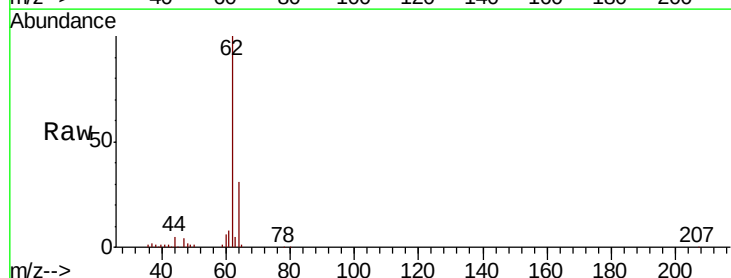
Acq: 8 Nov 2019 10:09

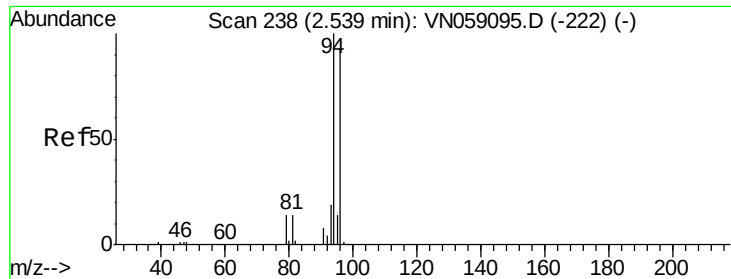
Tgt Ion: 62 Resp: 119532

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 18.395 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 94 Resp: 66263

Ion Ratio Lower Upper

94 100

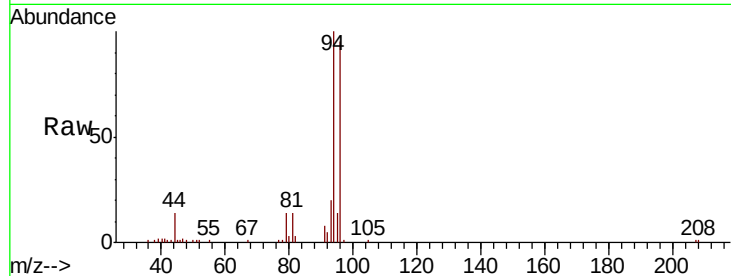
96 95.2 74.2 111.2

Manual Integrations

APPROVED

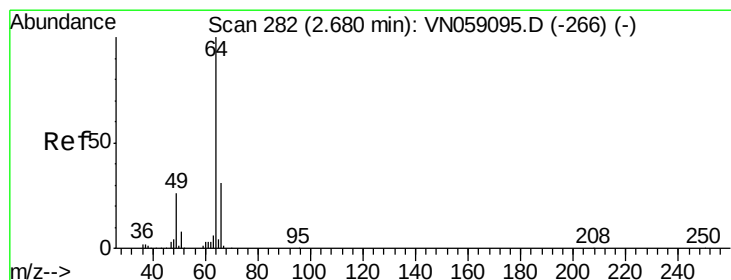
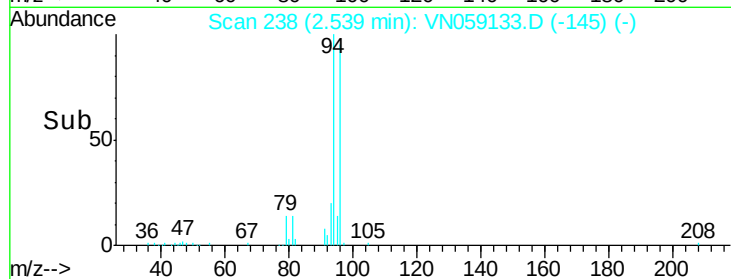
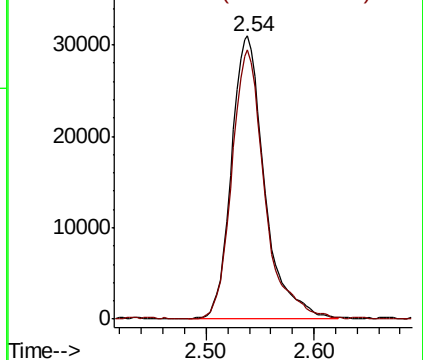
MMDadoda

11/11/2019 10:45:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.234 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059133.D

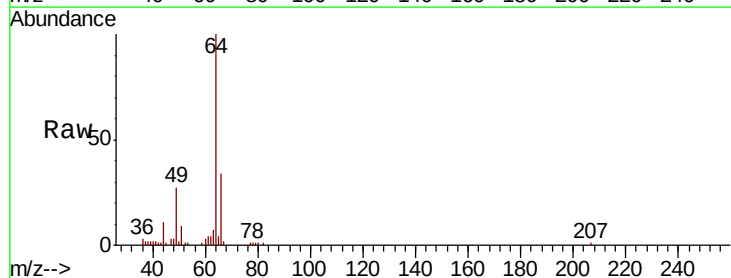
Acq: 8 Nov 2019 10:09

Tgt Ion: 64 Resp: 71222

Ion Ratio Lower Upper

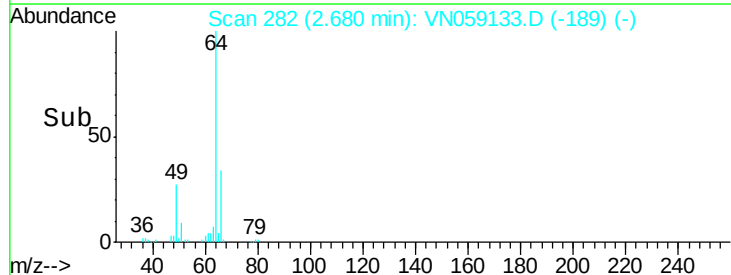
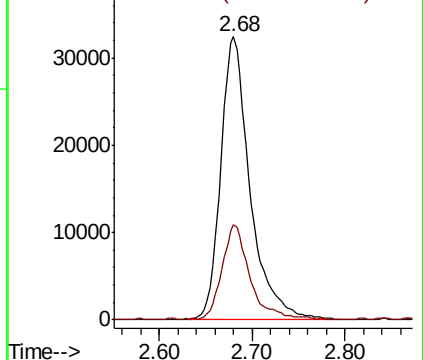
64 100

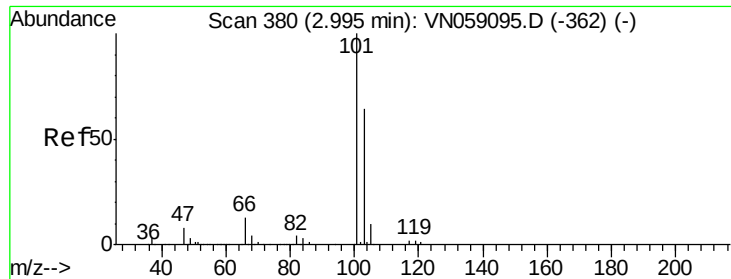
66 33.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

Trichlorofluoromethane

Concen: 19.721 ug/l

RT: 3.00 min Scan# 380

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

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ClientSampleId :

VN1108MBS01

Tot Ion:101 Resp: 147655

Ion Ratio Lower Upper

101 100

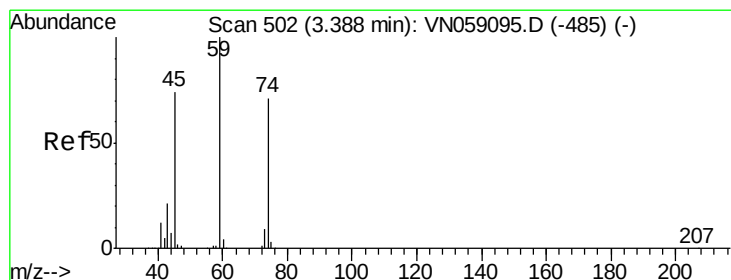
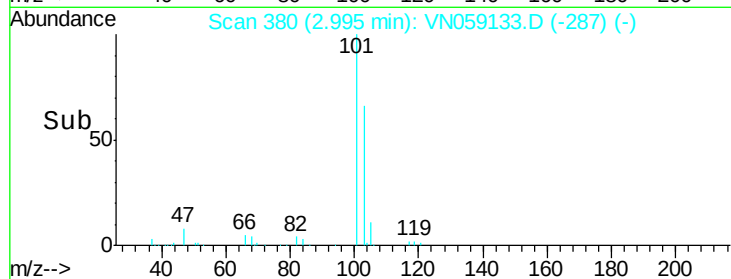
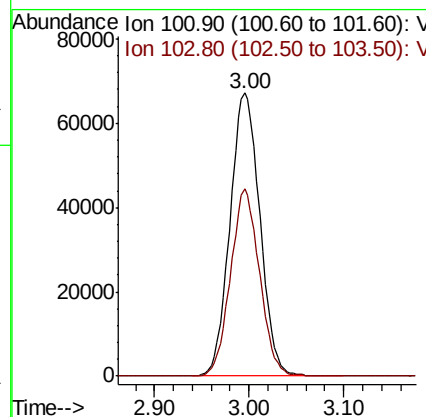
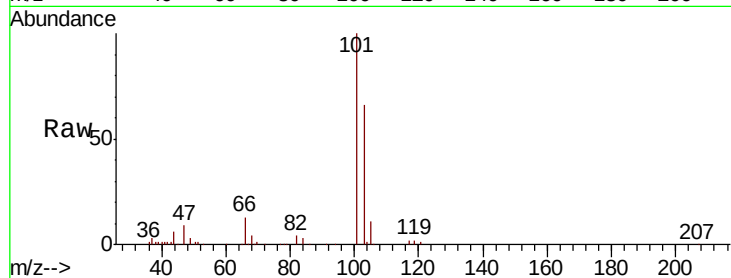
103 66.2 51.2 76.8

Manual Integrations

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11/11/2019 10:45:48 AM



#8

Diethyl Ether

Concen: 20.218 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.00 min

Lab File: VN059133.D

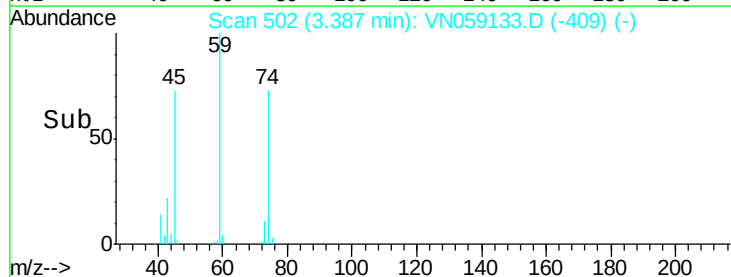
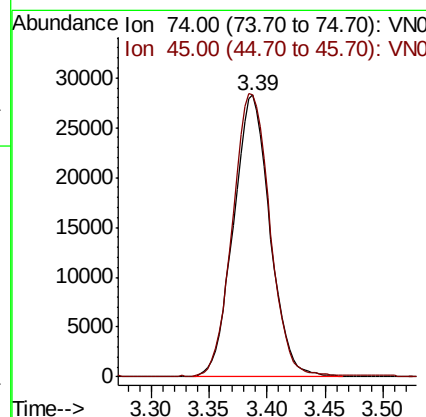
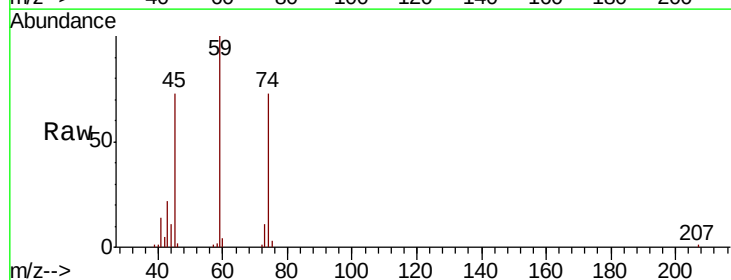
Acq: 8 Nov 2019 10:09

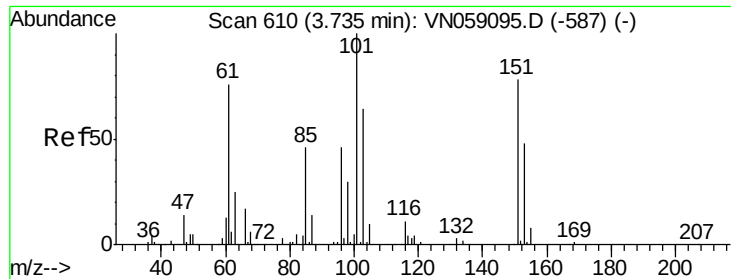
Tgt Ion: 74 Resp: 61508

Ion Ratio Lower Upper

74 100

45 103.2 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.027 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

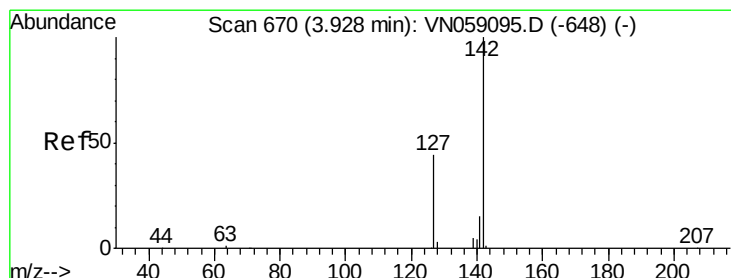
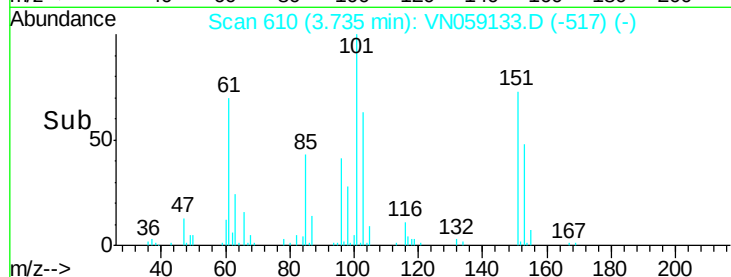
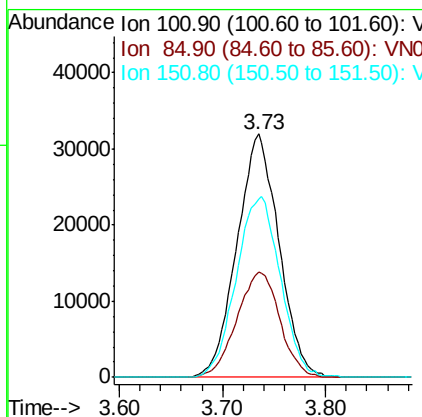
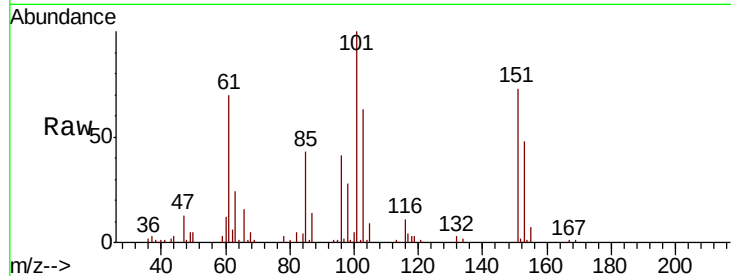
ClientSampleId :

VN1108MBS01

Tot Ion:	101	Resp:	90412
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.5	53.3
151	78.1	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 16.416 ug/l

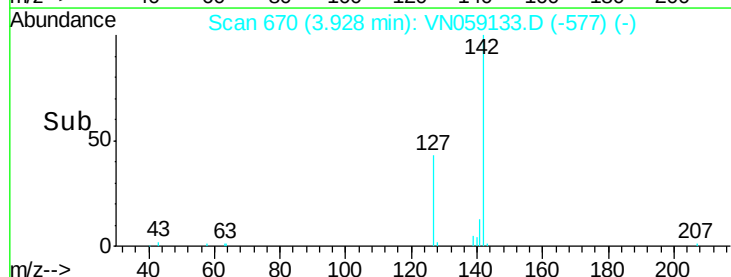
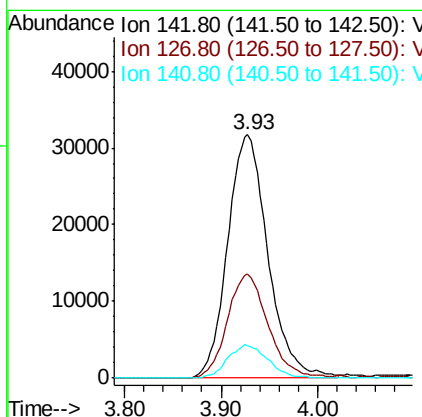
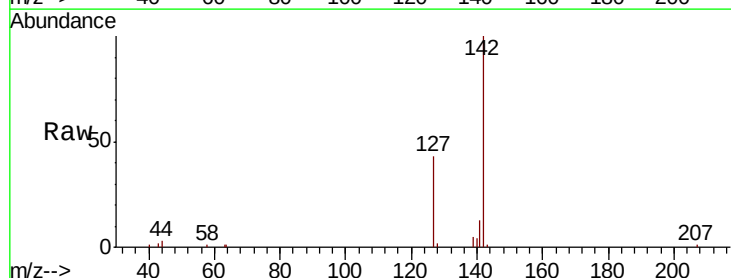
RT: 3.93 min Scan# 670

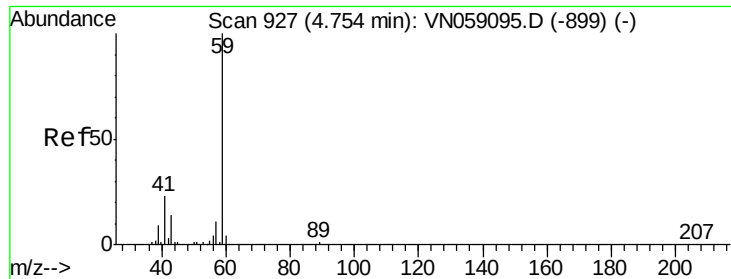
Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion:	142	Resp:	91730
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.2	51.2
141	13.6	11.4	17.0





#11

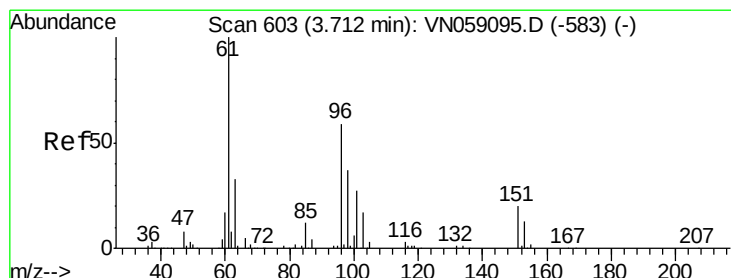
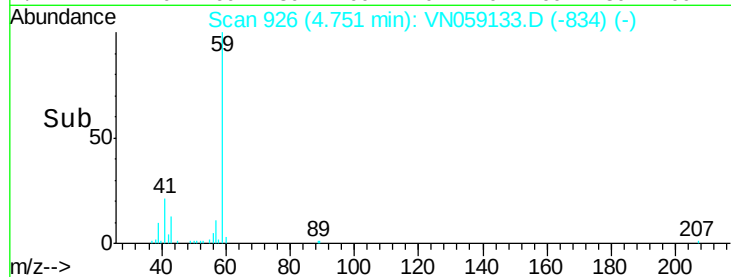
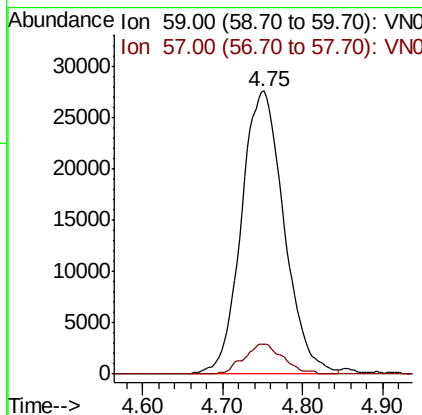
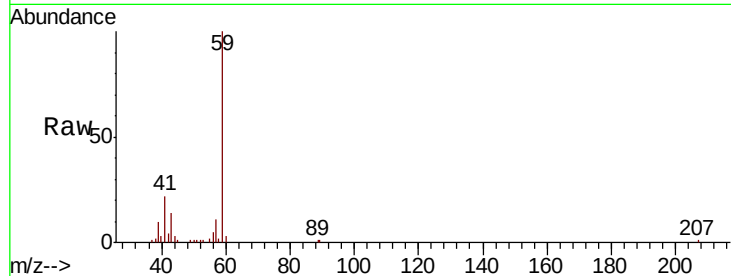
Tert butyl alcohol
Concen: 91.033 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	100537		
57	9.8		8.3	12.5

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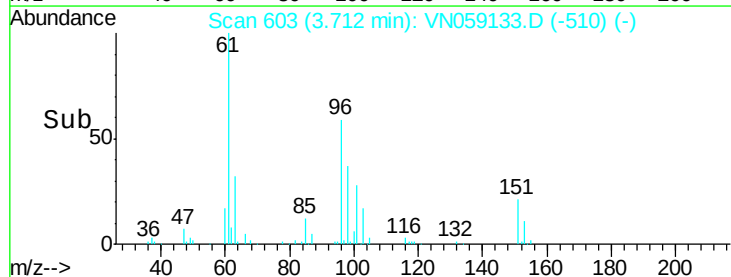
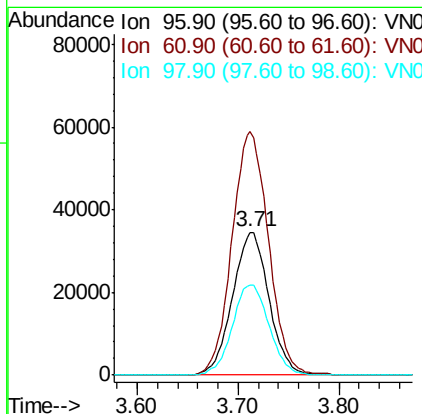
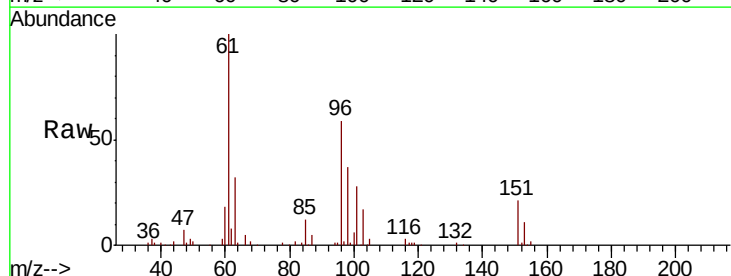
MMDadoda
11/11/2019 10:45:48 AM

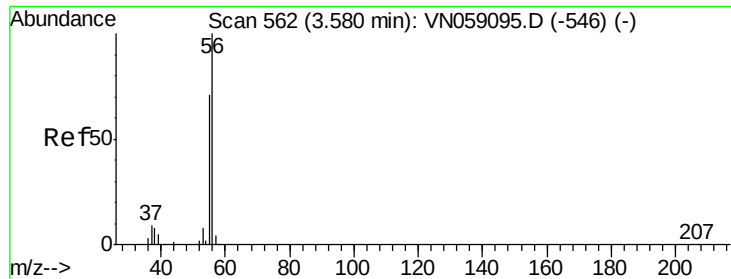


#12

1,1-Dichloroethene
Concen: 19.692 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	86598		
61	170.1		136.5	204.7
98	63.1		50.2	75.4





#13

Acrolein

Concen: 86.787 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 56 Resp: 49417

Ion Ratio Lower Upper

56 100

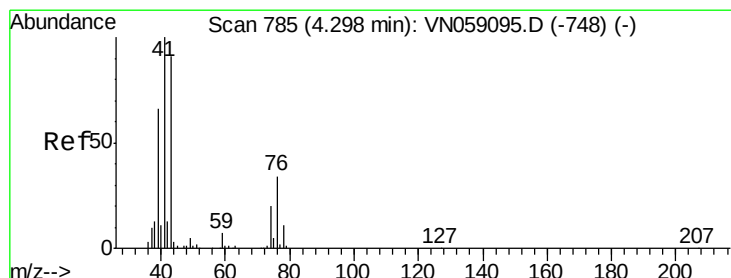
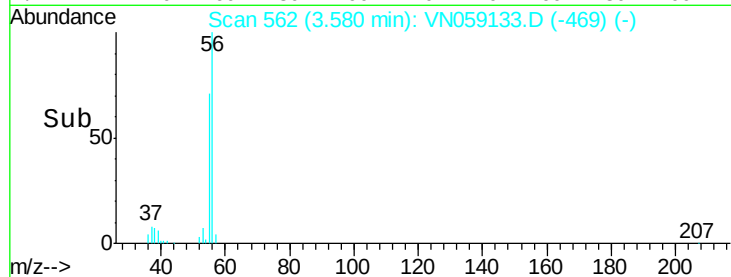
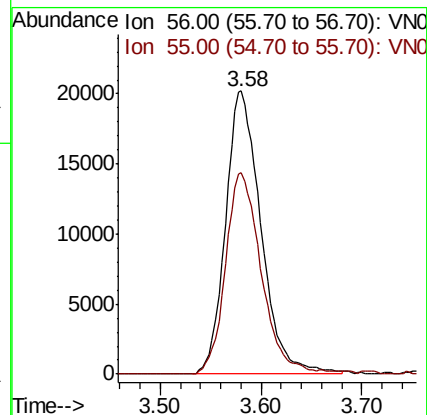
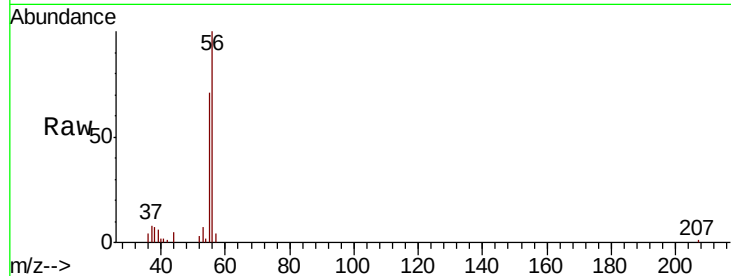
55 71.5 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.963 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

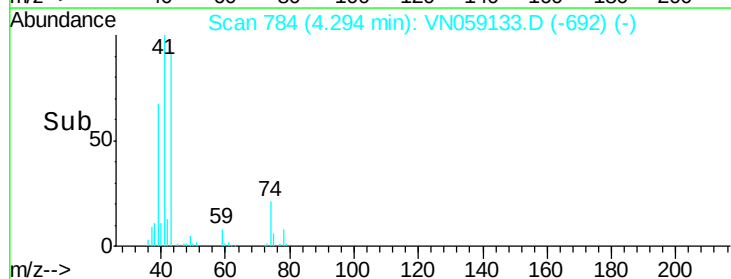
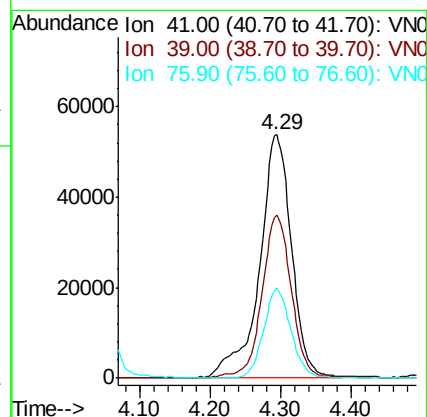
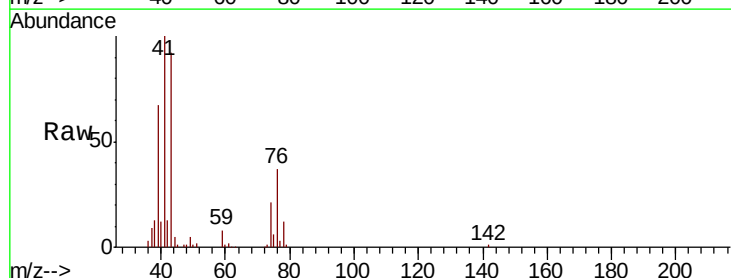
Tgt Ion: 41 Resp: 171303

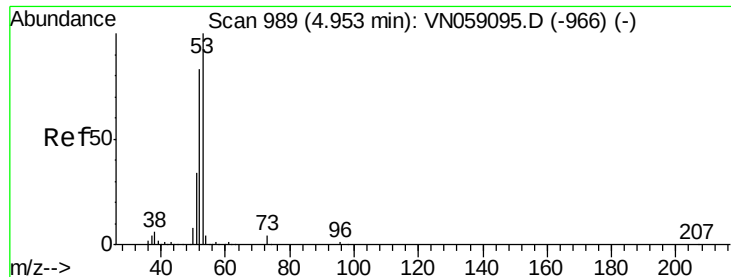
Ion Ratio Lower Upper

41 100

39 61.6 49.1 73.7

76 31.5 24.9 37.3





#15

Acrylonitrile

Concen: 99.825 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

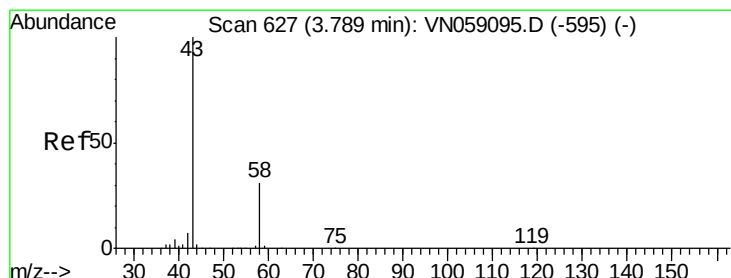
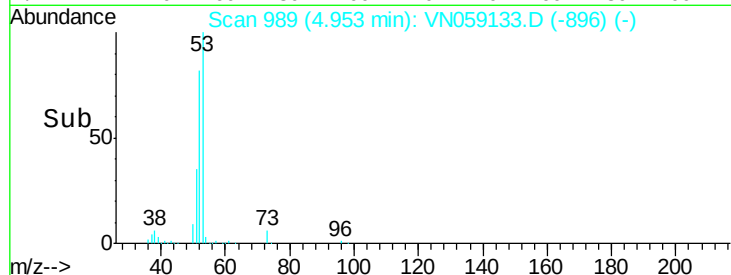
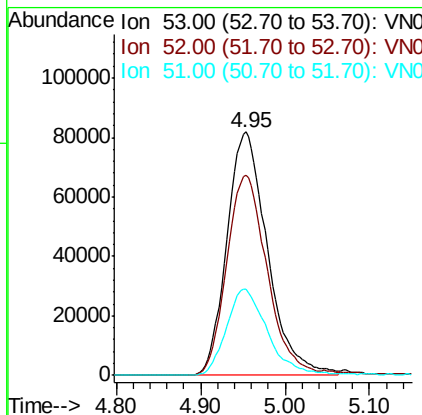
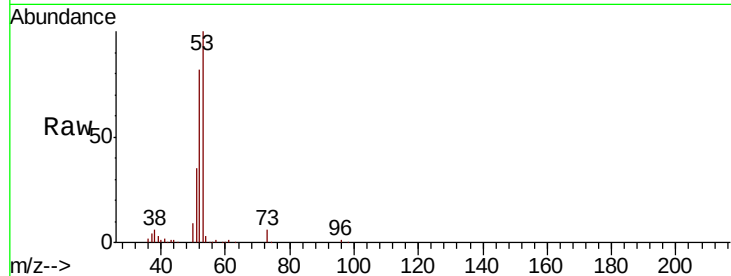
ClientSampleId :

VN1108MBS01

Tot Ion:	53	Resp:	274367
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.0	97.6
51	35.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 103.612 ug/l

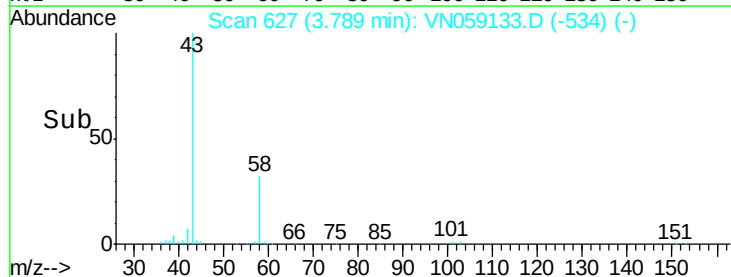
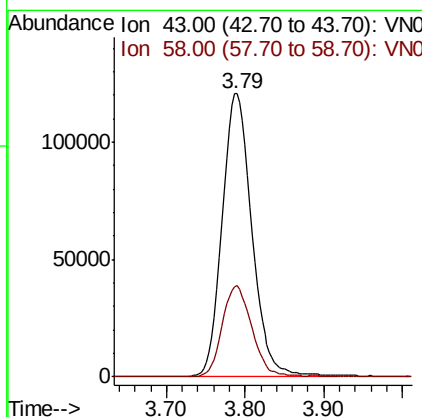
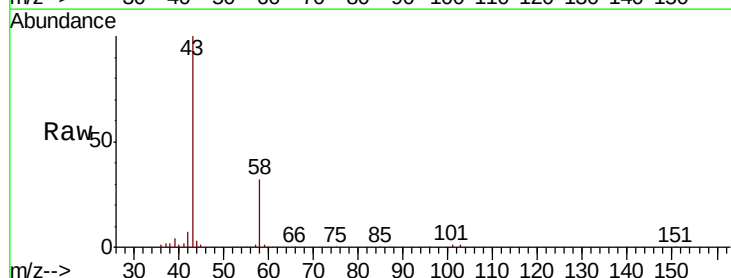
RT: 3.79 min Scan# 627

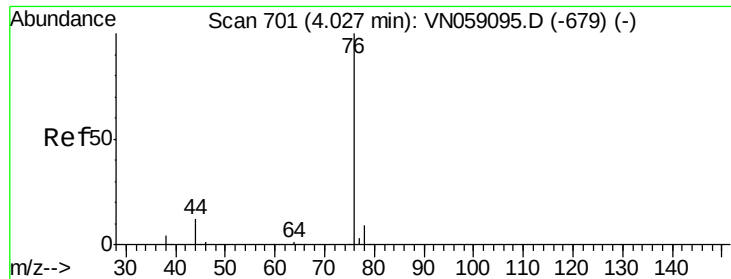
Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion:	43	Resp:	312237
Ion Ratio		Lower	Upper
43	100		
58	32.2	24.9	37.3





#17

Carbon Disulfide

Concen: 18.317 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 76 Resp: 250052

Ion Ratio Lower Upper

76 100

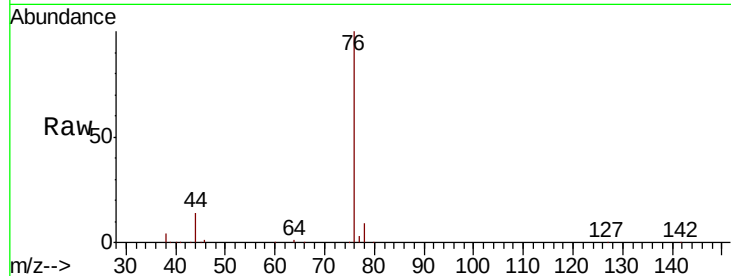
78 9.2 7.4 11.0

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.03

100000

80000

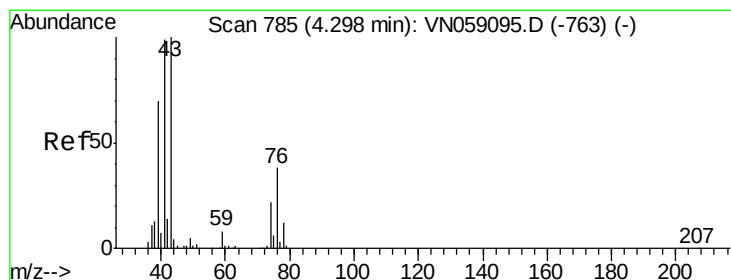
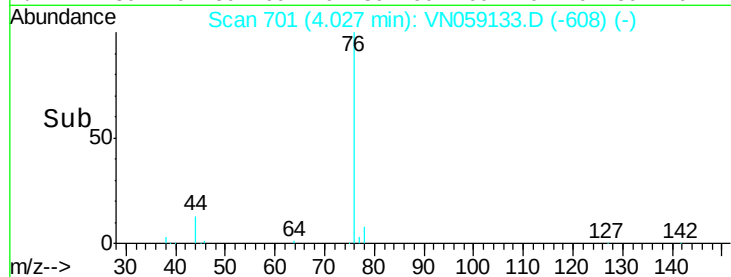
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.411 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059133.D

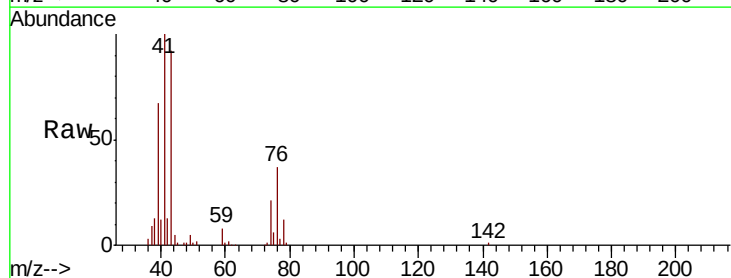
Acq: 8 Nov 2019 10:09

Tgt Ion: 43 Resp: 145995

Ion Ratio Lower Upper

43 100

74 21.8 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.29

50000

40000

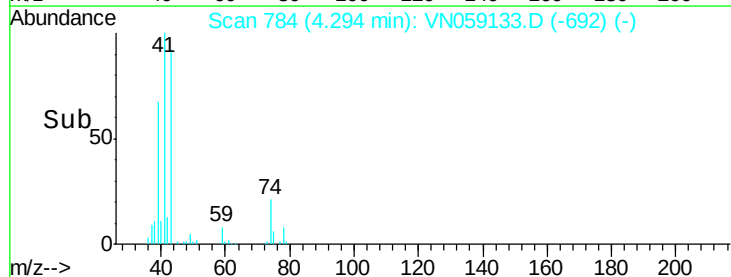
30000

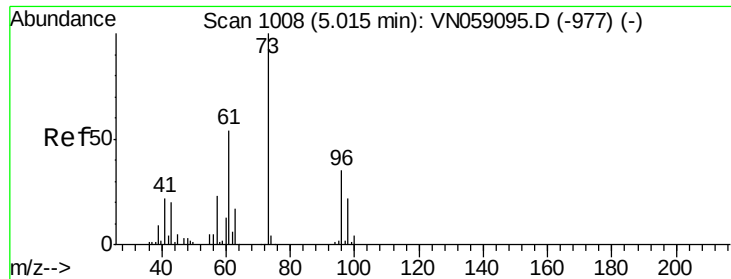
20000

10000

0

Time-->





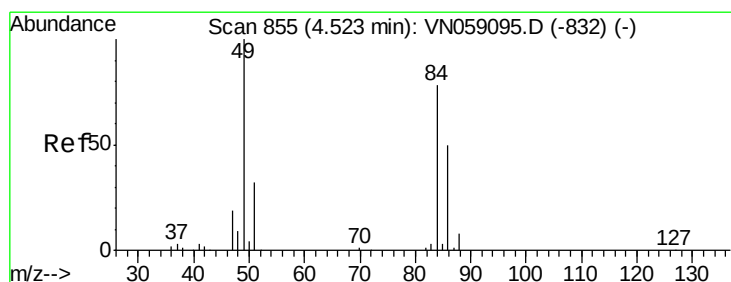
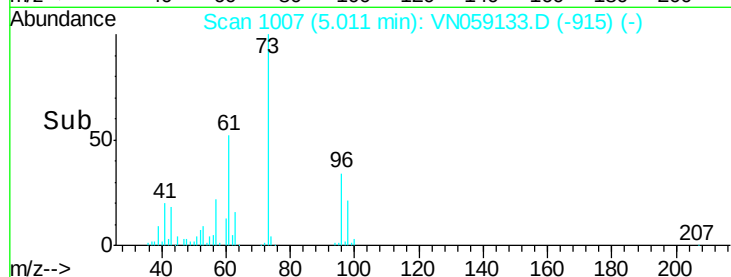
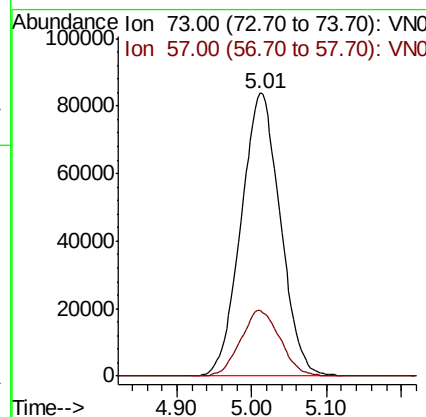
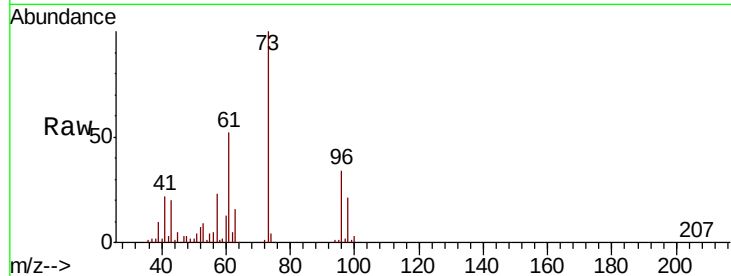
#19
Methvl tert-butyl Ether
Concen: 20.202 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion: 73 Resp: 305867
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6

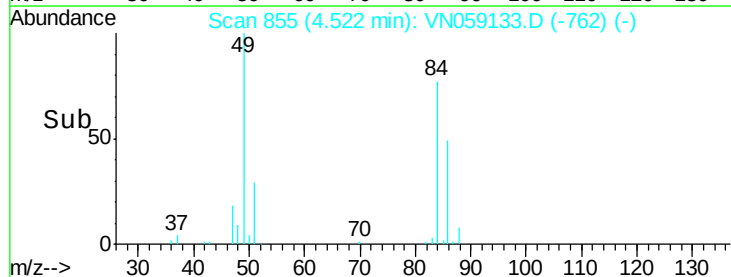
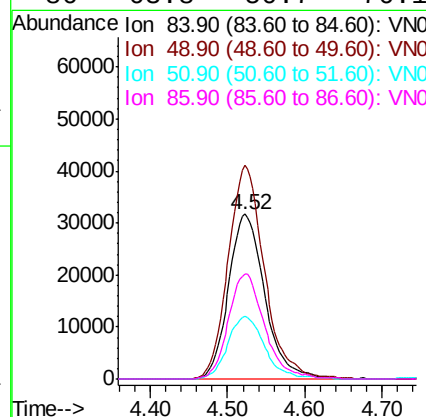
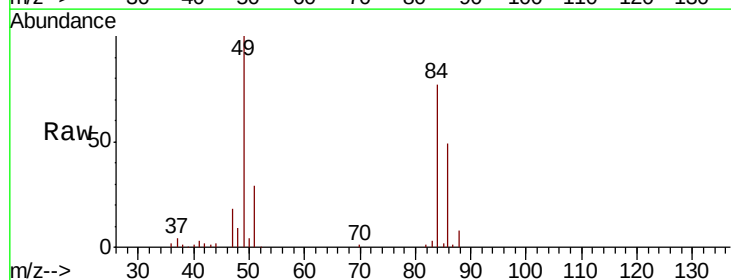
Manual Integrations
APPROVED

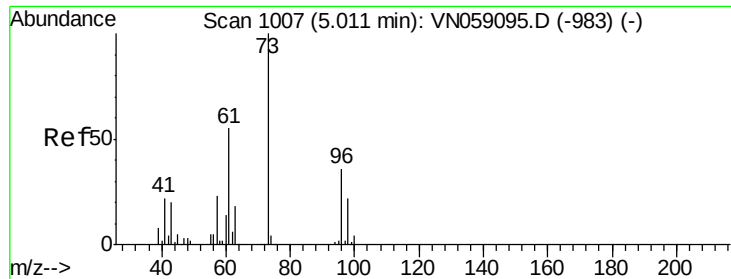
MMDadoda
11/11/2019 10:45:48 AM



#20
Methylene Chloride
Concen: 19.678 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion: 84 Resp: 103308
Ion Ratio Lower Upper
84 100
49 129.7 102.0 153.0
51 37.8 32.2 48.2
86 63.8 50.7 76.1





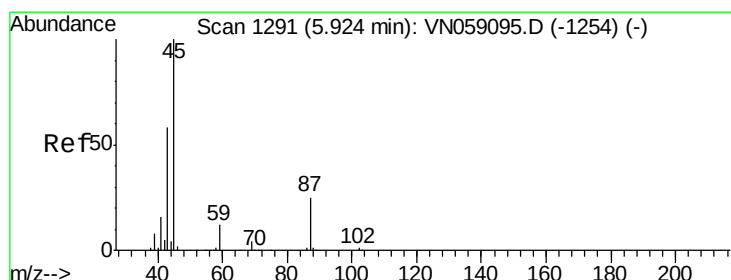
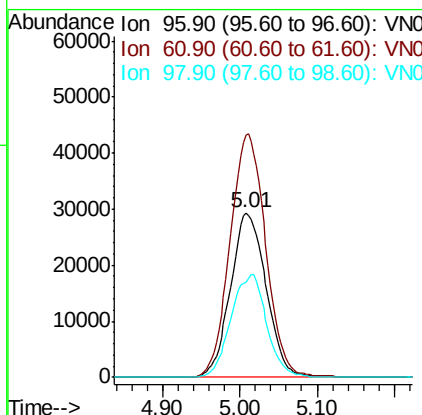
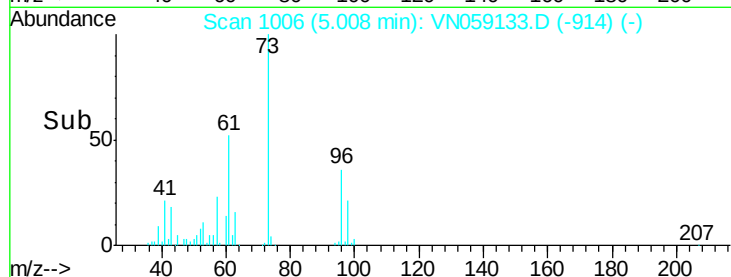
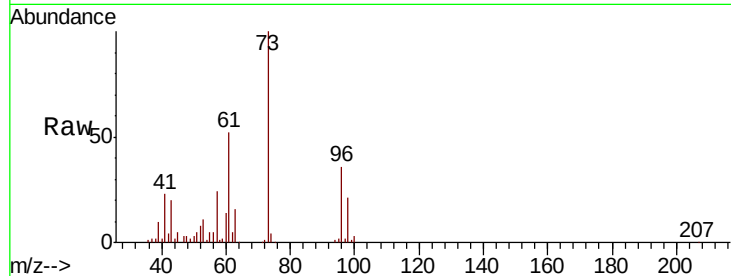
#21
trans-1,2-Dichloroethene
Concen: 19.919 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	122.6	183.8
98	58.1	50.3	75.5

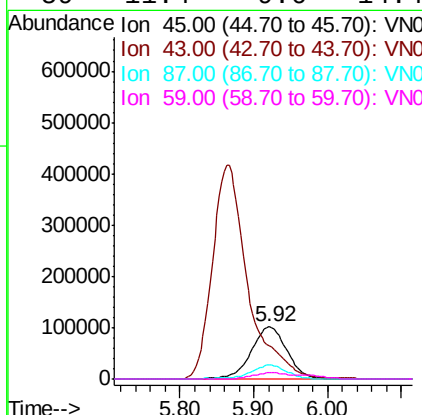
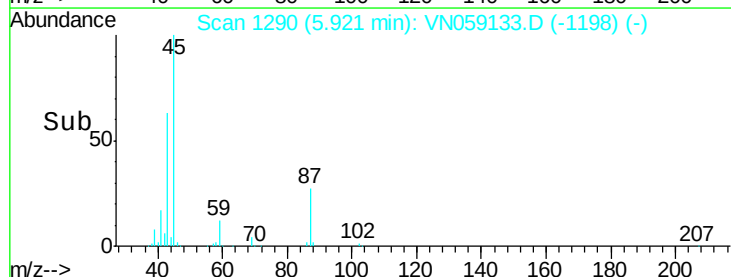
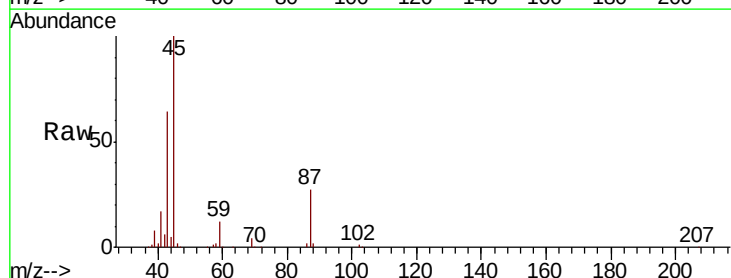
Manual Integrations
APPROVED

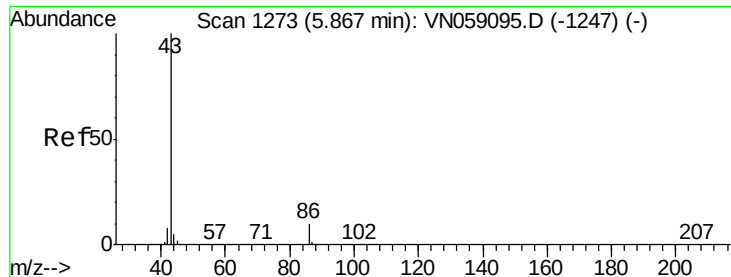
MMDadoda
11/11/2019 10:45:48 AM



#22
Diisopropyl ether
Concen: 20.068 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	46.7	70.1
87	26.4	20.5	30.7
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 105.615 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 43 Resp: 1396635

Ion Ratio Lower Upper

43 100

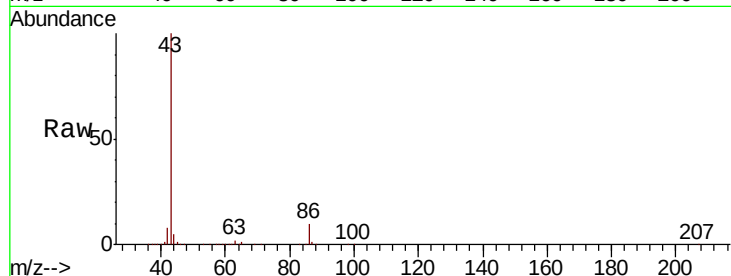
86 9.6 7.7 11.5

Manual Integrations

APPROVED

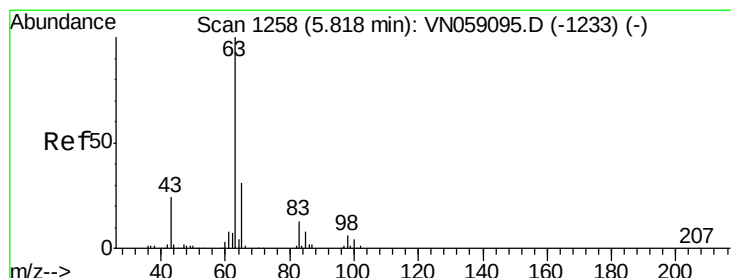
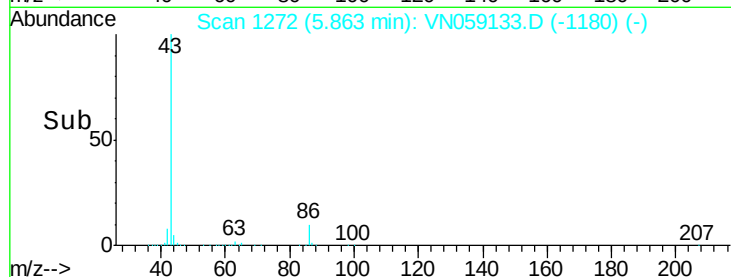
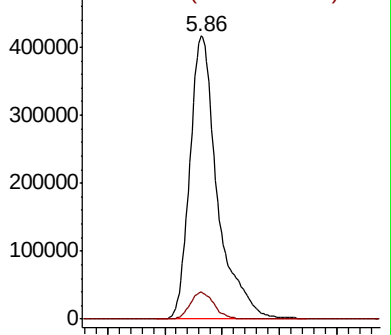
MMDadoda

11/11/2019 10:45:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.734 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

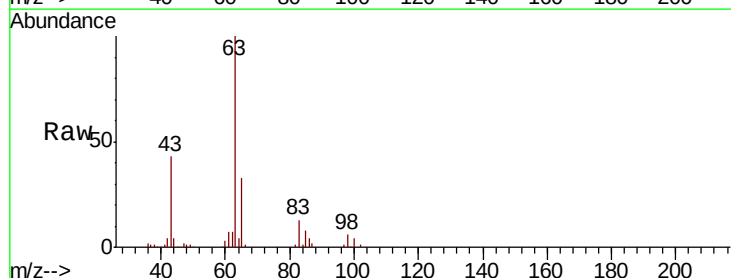
Tgt Ion: 63 Resp: 188063

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

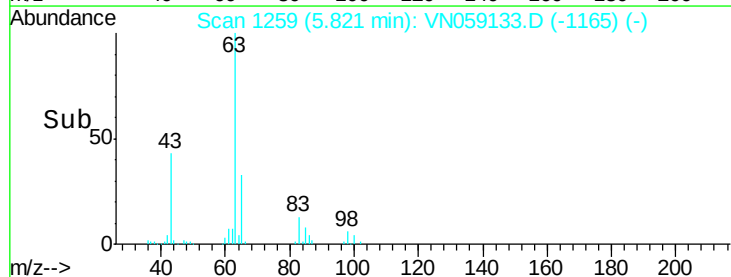
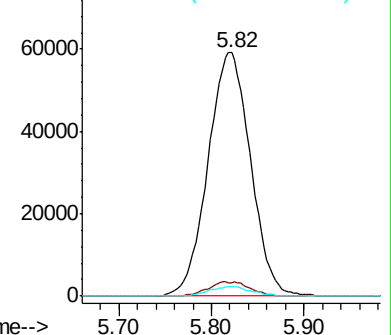
100 4.0 1.9 5.7

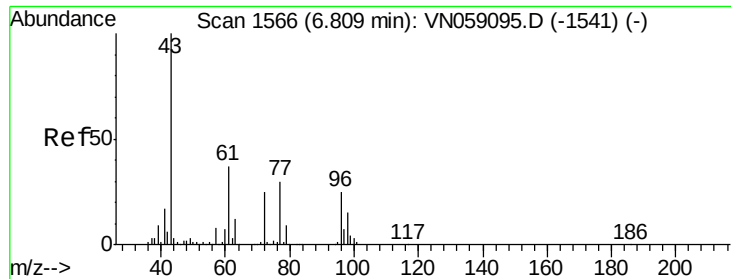


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 99.824 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 43 Resp: 396463

Ion Ratio Lower Upper

43 100

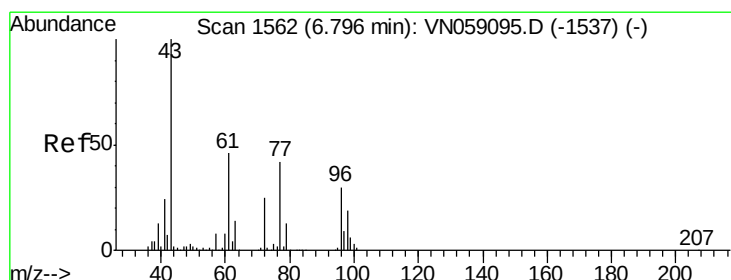
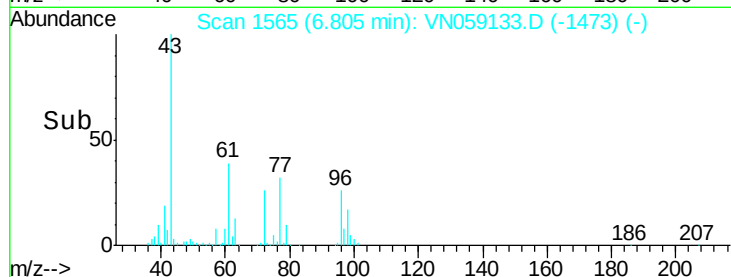
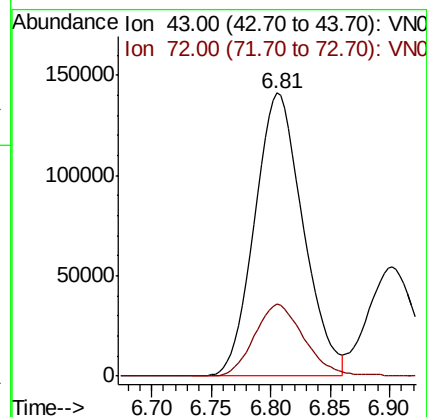
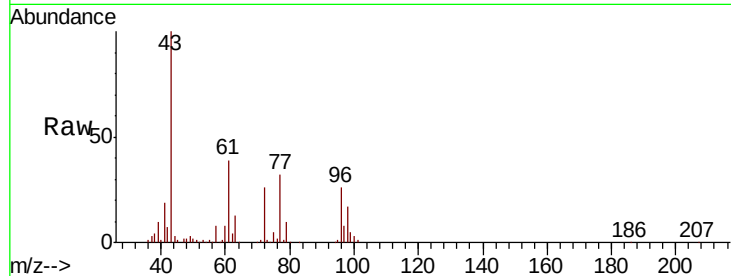
72 25.6 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

11/11/2019 10:45:48 AM



#26

2,2-Dichloropropane

Concen: 19.290 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059133.D

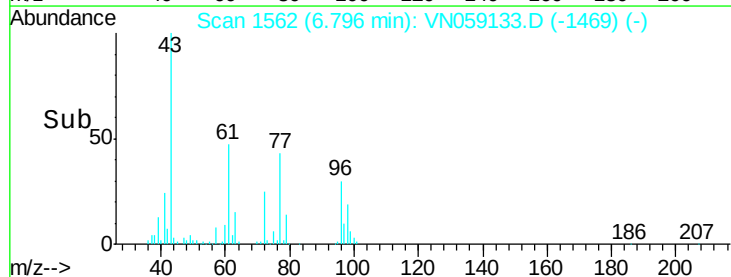
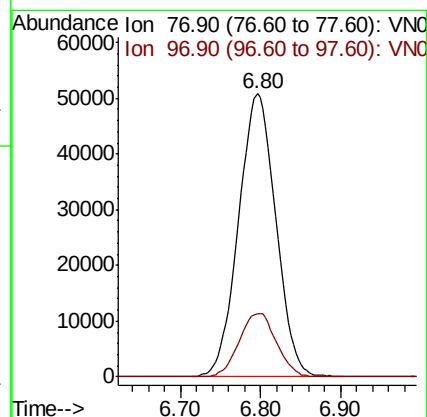
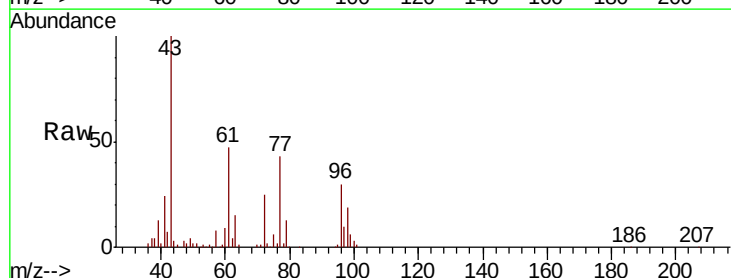
Acq: 8 Nov 2019 10:09

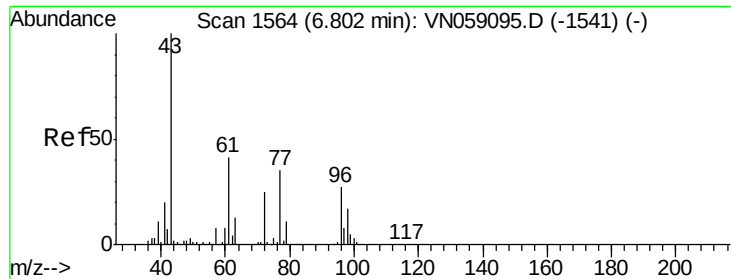
Tgt Ion: 77 Resp: 160743

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.770 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

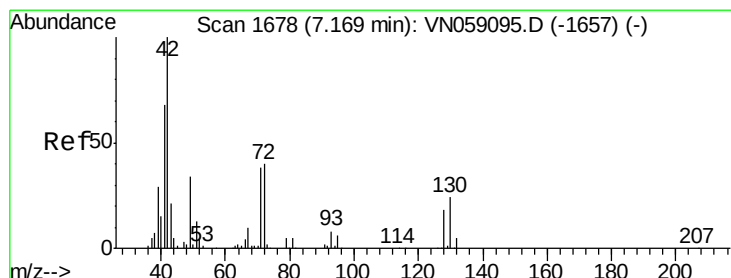
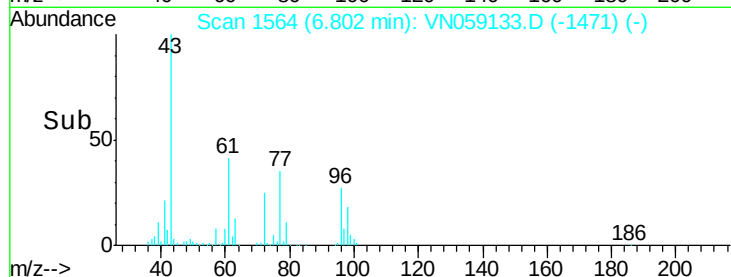
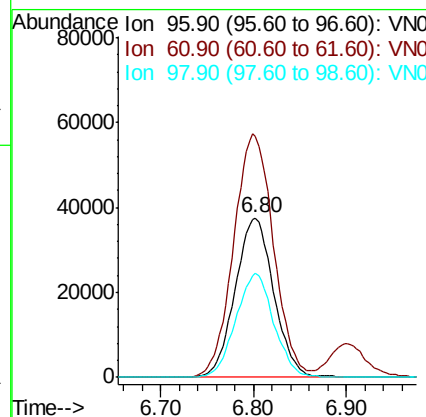
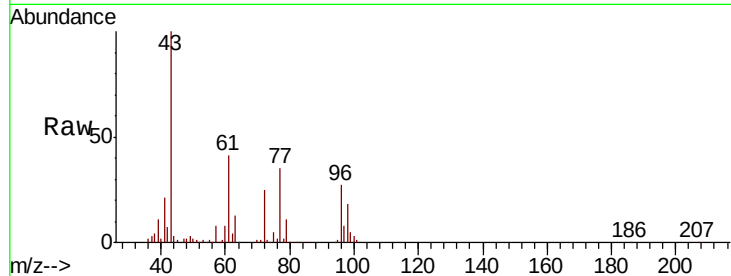
ClientSampleId :

VN1108MBS01

Tot Ion:	96	Resp:	108271
Ion Ratio	Lower	Upper	
96	100		
61	157.5	0.0	311.6
98	64.0	0.0	129.8

Manual Integrations
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11/11/2019 10:45:48 AM



#28

Bromochloromethane

Concen: 19.459 ug/l

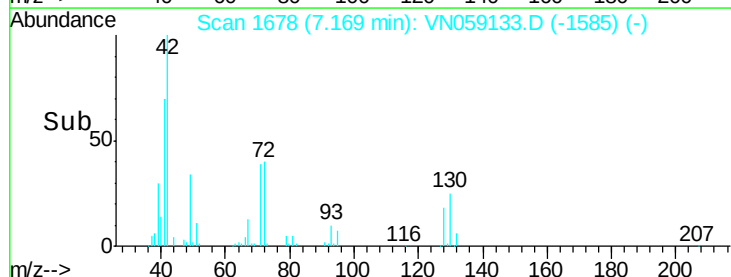
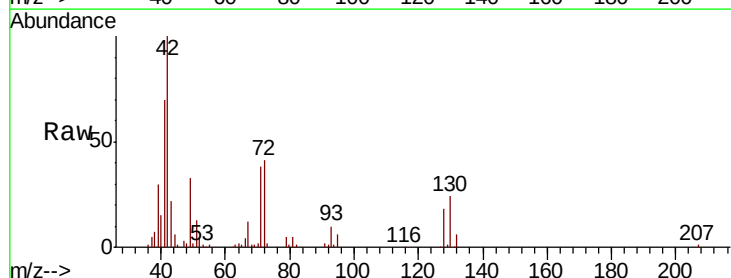
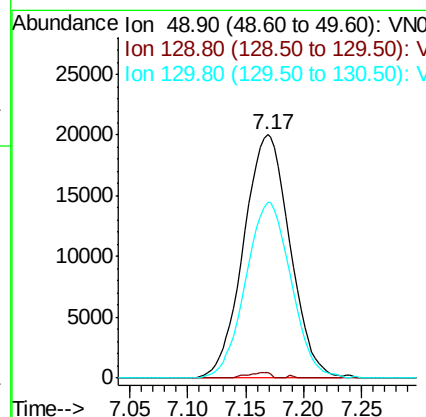
RT: 7.17 min Scan# 1678

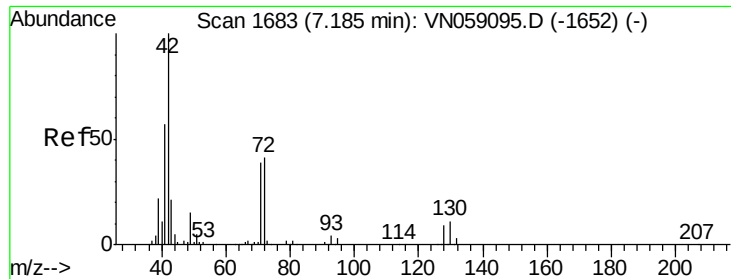
Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion:	49	Resp:	55792
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.8
130	70.6	55.6	83.4





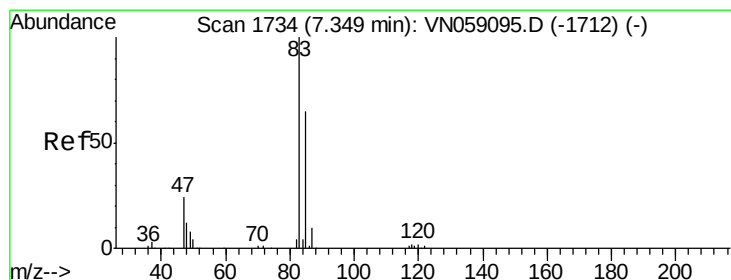
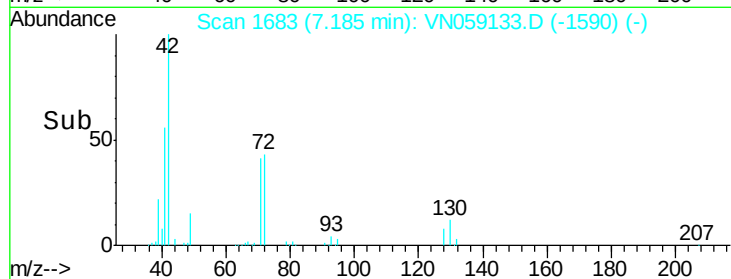
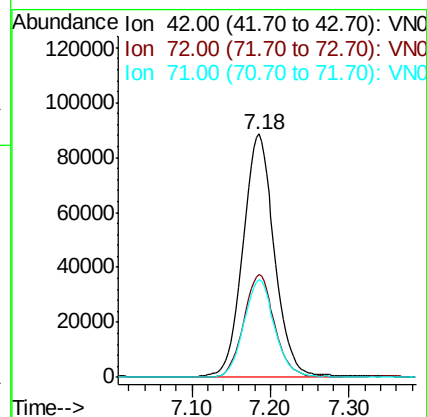
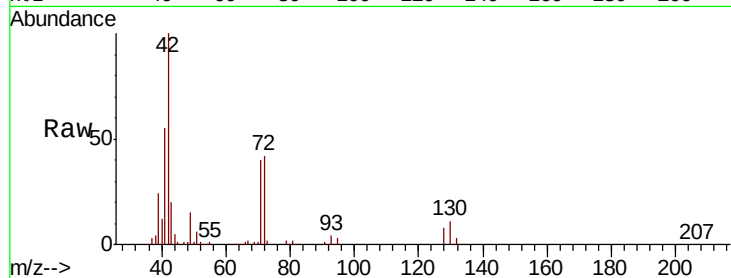
#29
Tetrahydrofuran
Concen: 97.994 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.1	49.7
71	39.4	30.9	46.3

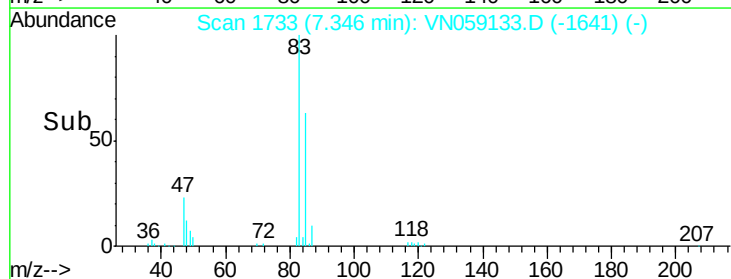
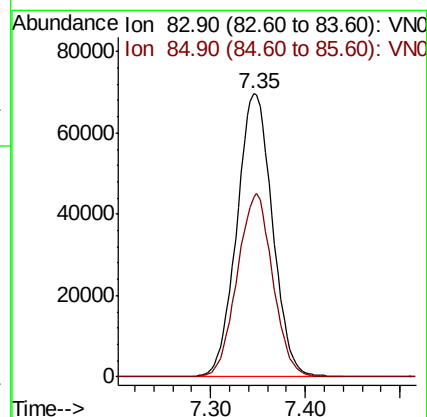
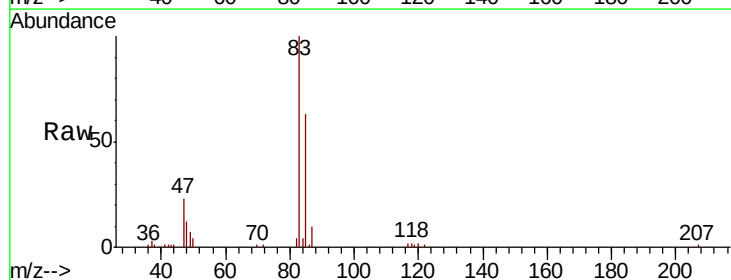
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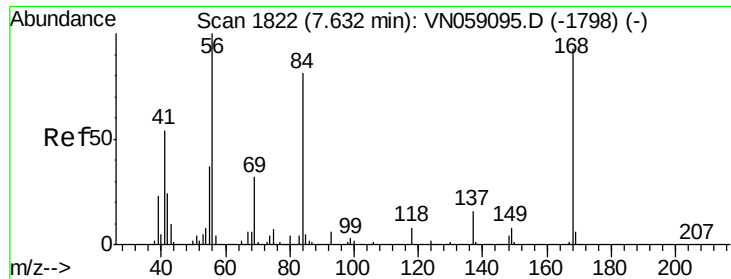
MMDadoda
11/11/2019 10:45:48 AM



#30
Chloroform
Concen: 19.928 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.8





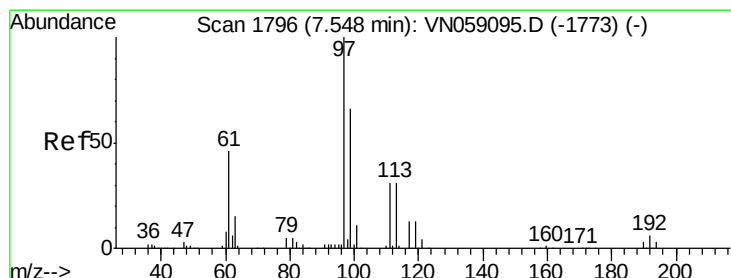
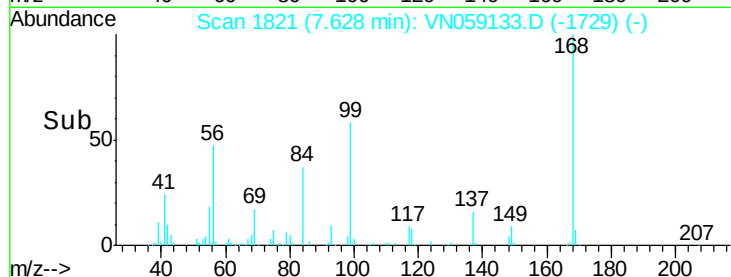
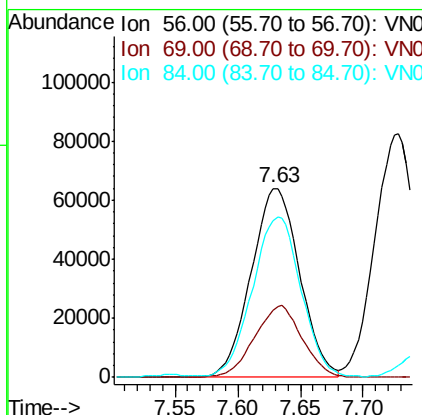
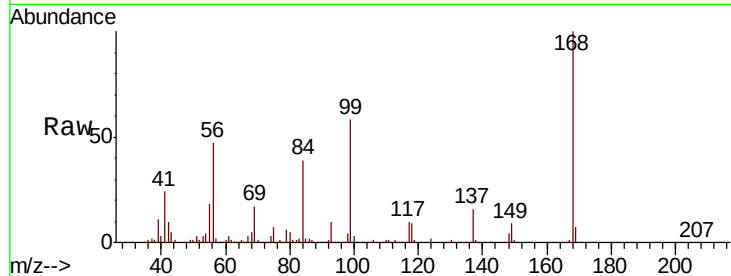
#31
Cyclohexane
Concen: 19.086 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	25.8	38.8
84	81.8	65.0	97.4

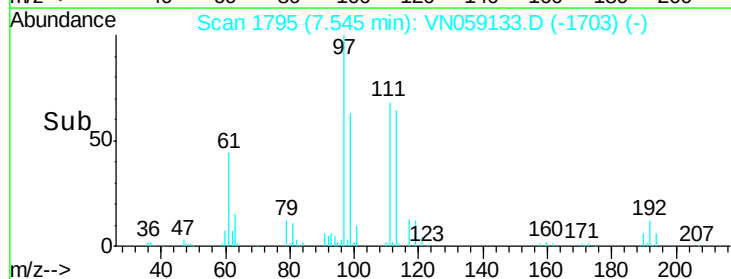
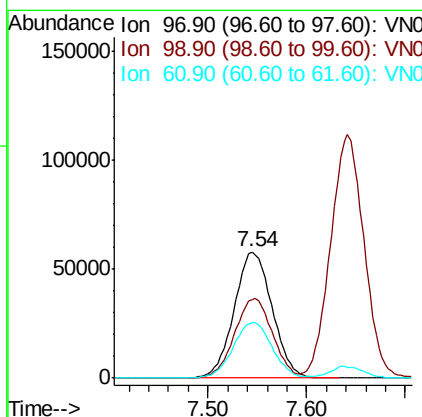
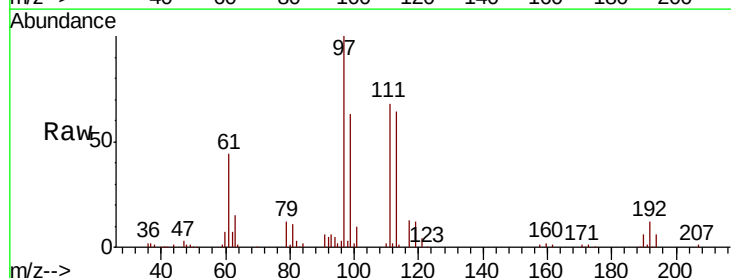
Manual Integrations
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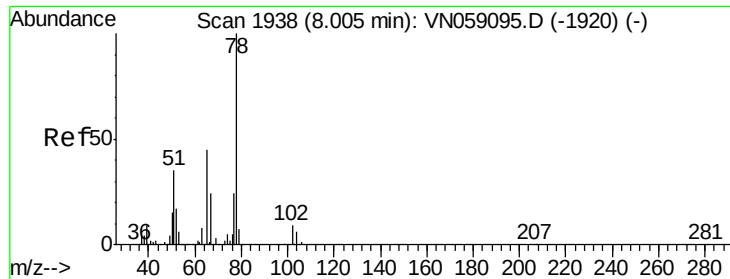
MMDadoda
11/11/2019 10:45:48 AM



#32
1,1,1-Trichloroethane
Concen: 20.202 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.6
61	45.1	35.8	53.8





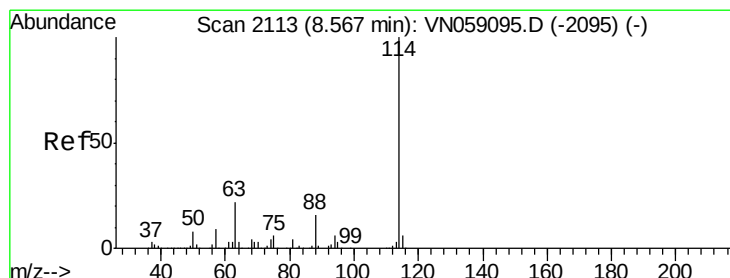
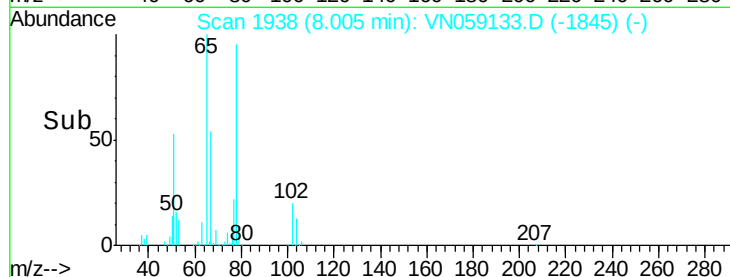
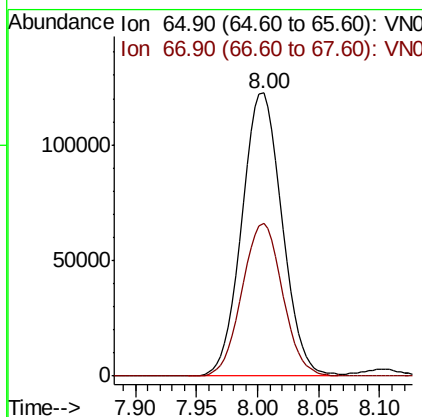
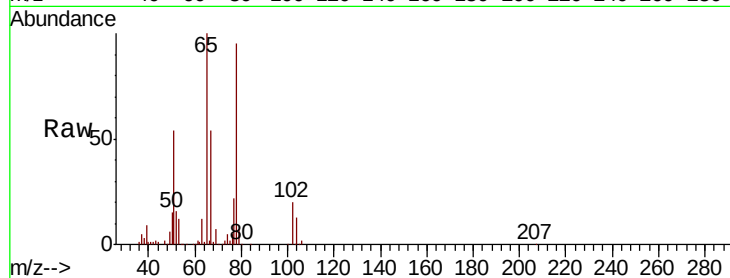
#33
 1,2-Dichloroethane-d4
 Concen: 48.264 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	107.4	

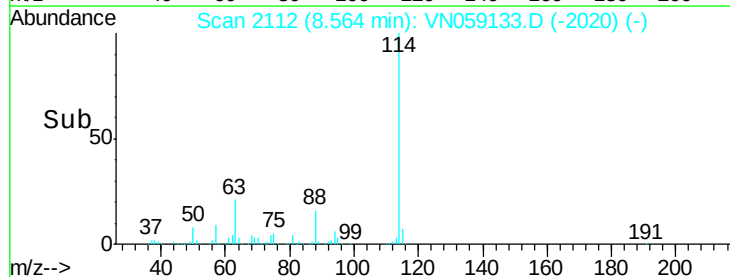
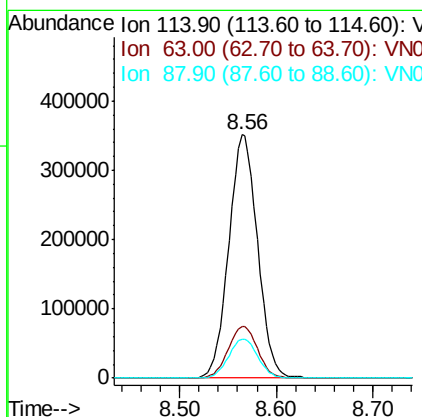
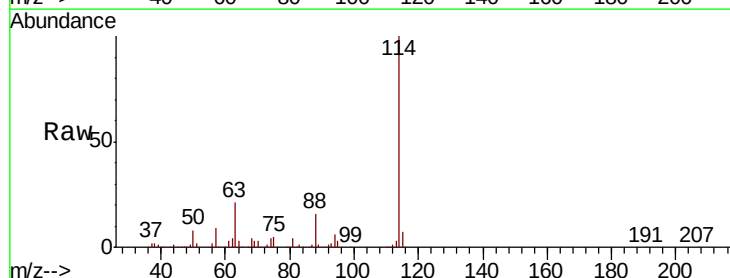
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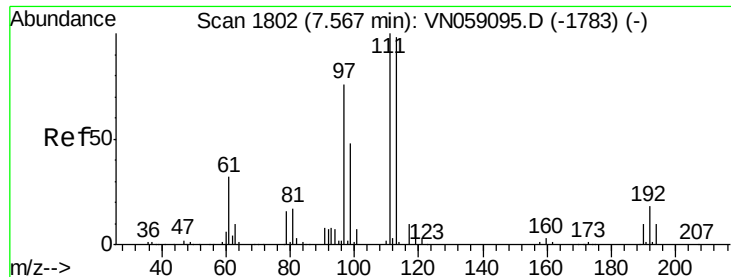
MMDadoda
 11/11/2019 10:45:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	43.4	
88	16.2	0.0	32.2	





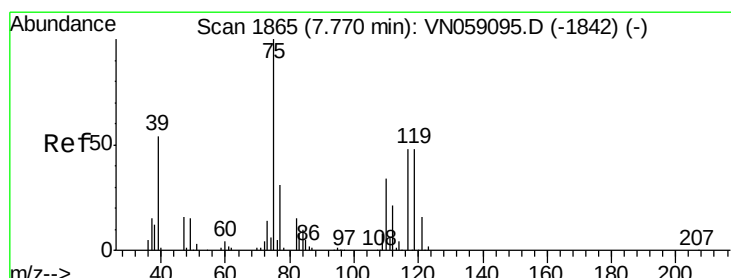
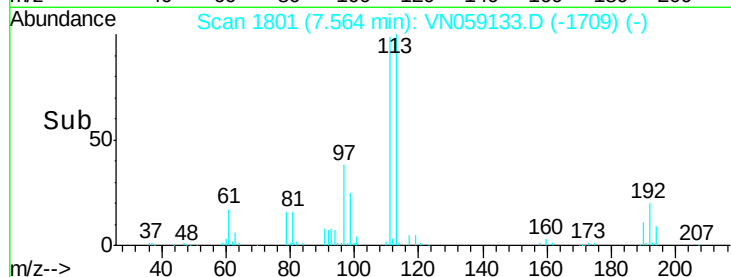
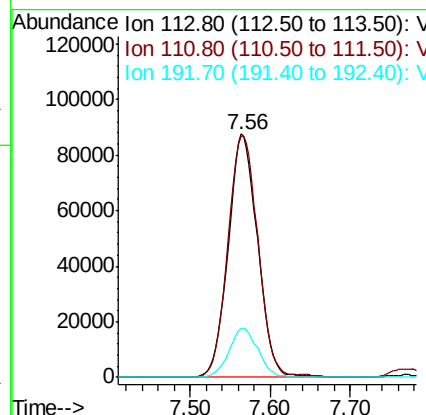
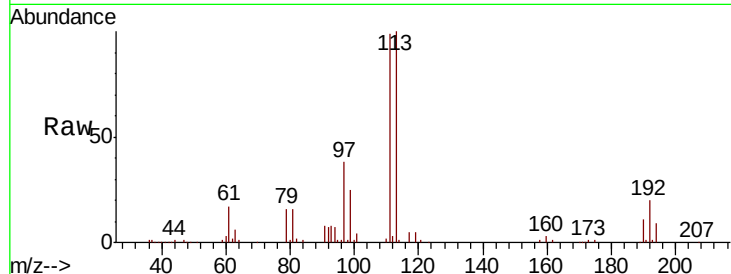
#35
 Dibromofluoromethane
 Concen: 50.517 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	82.8	124.2	
192	20.0	16.1	24.1	

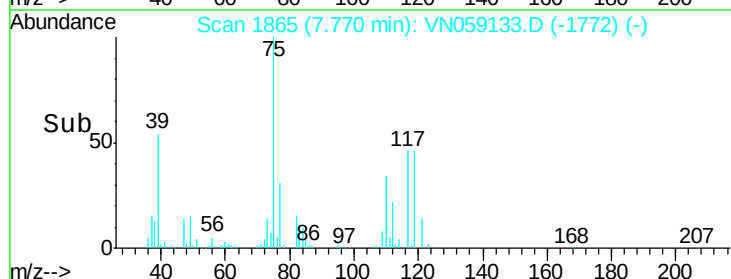
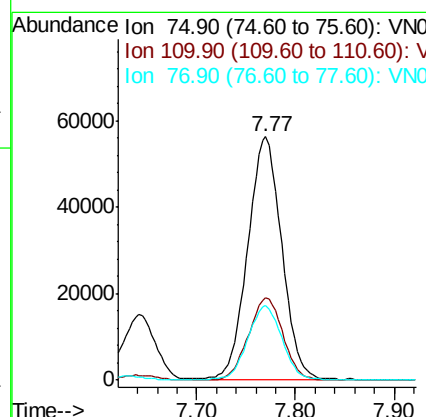
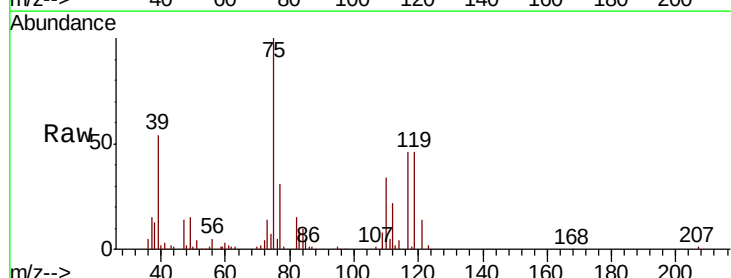
Manual Integrations
 APPROVED

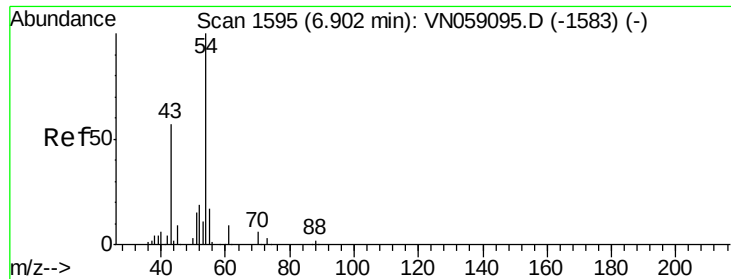
MMDadoda
 11/11/2019 10:45:48 AM



#36
 1,1-Dichloropropene
 Concen: 19.748 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.2	17.1	51.2	
77	31.1	24.8	37.2	





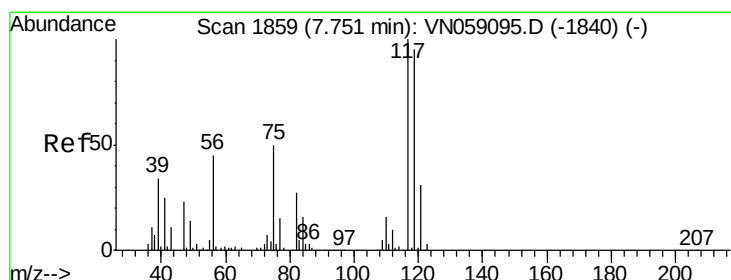
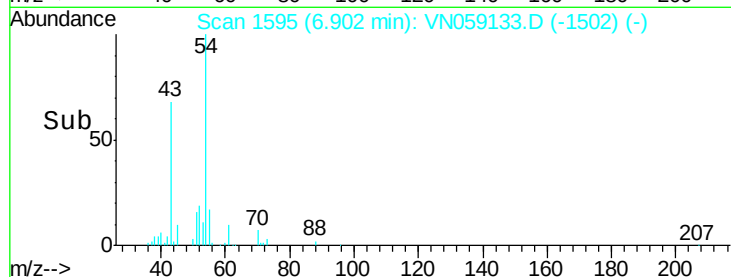
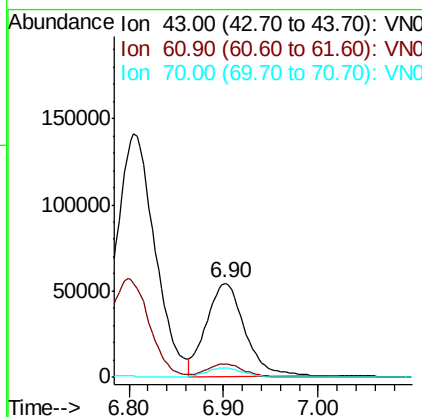
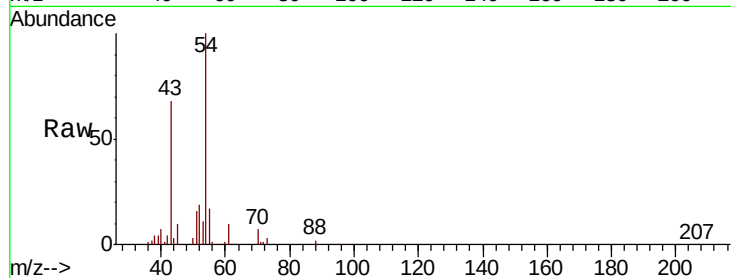
#37
Ethyl Acetate
Concen: 20.340 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	9.9	7.8	11.8

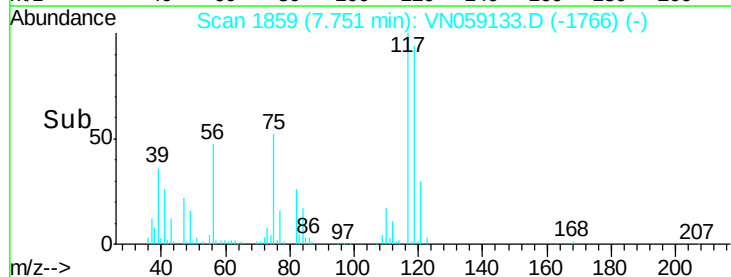
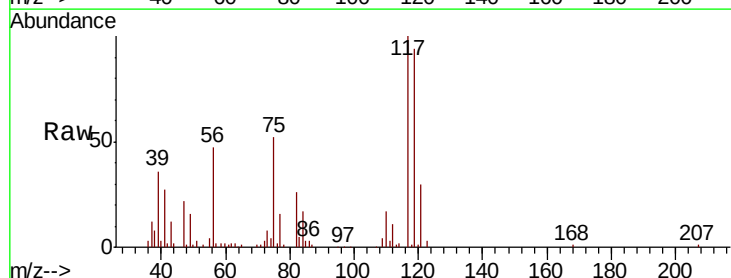
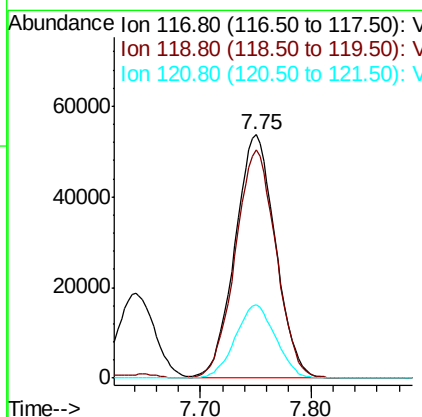
Manual Integrations
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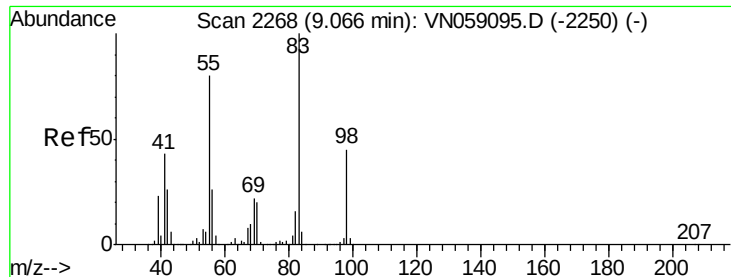
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#38
Carbon Tetrachloride
Concen: 20.256 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.6	113.4
121	30.1	24.6	36.8





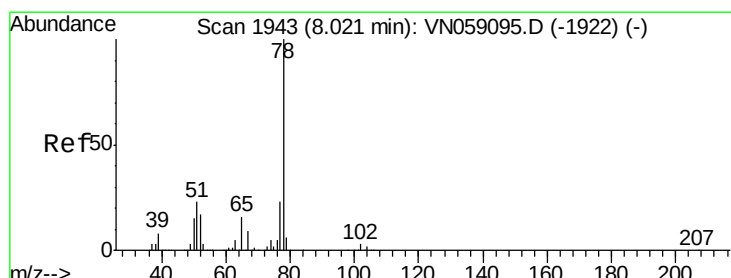
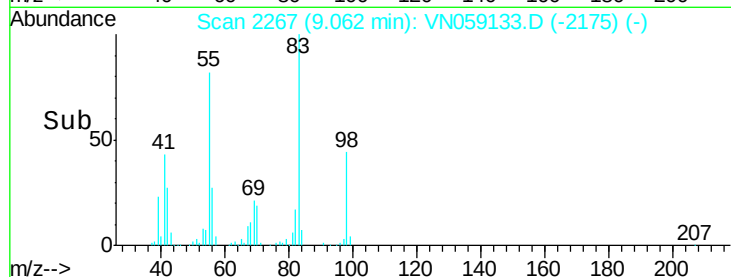
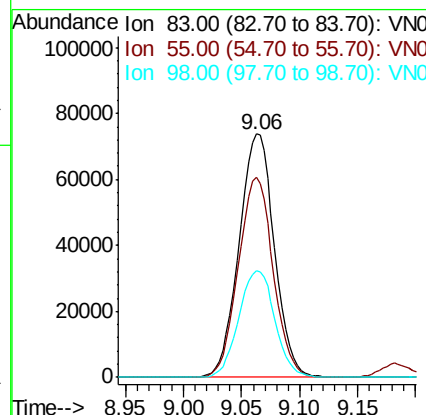
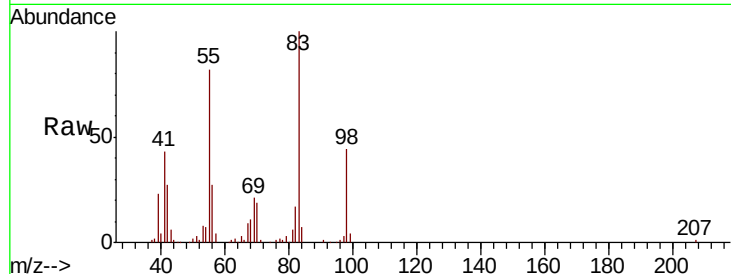
#39
Methylvlcyclohexane
Concen: 19.842 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.9	95.9
98	43.7	35.6	53.4

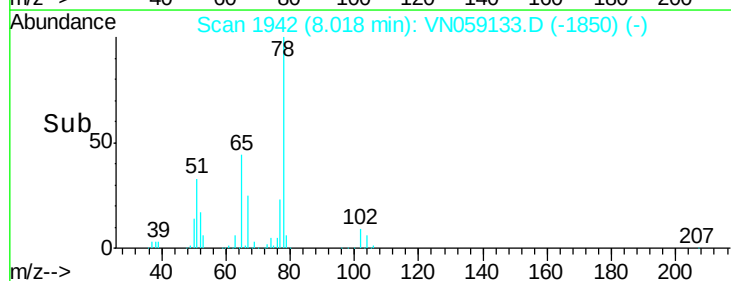
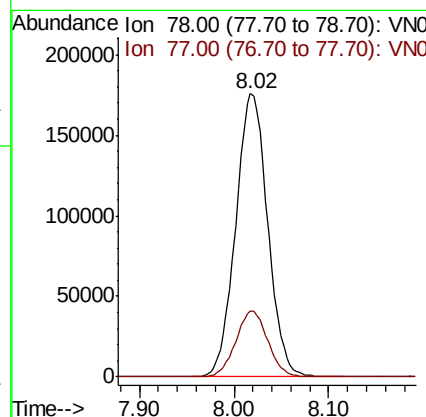
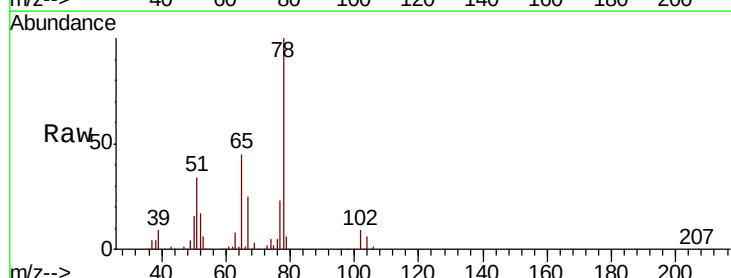
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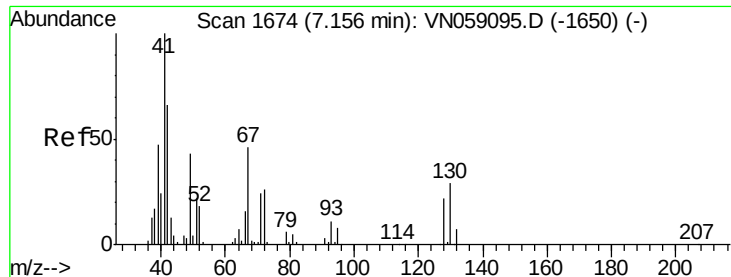
MMDadoda
11/11/2019 10:45:48 AM



#40
Benzene
Concen: 20.242 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





#41

Methacrylonitrile

Concen: 18.326 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 41 Resp: 60088

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

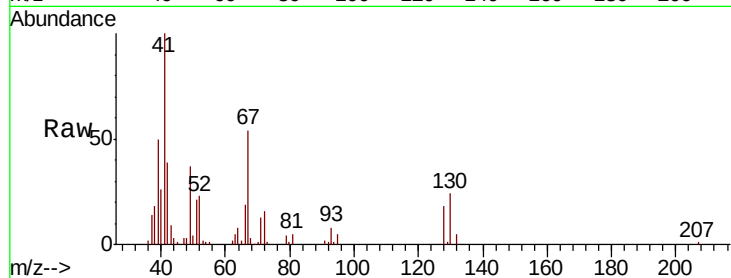
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

11/11/2019 10:45:48 AM

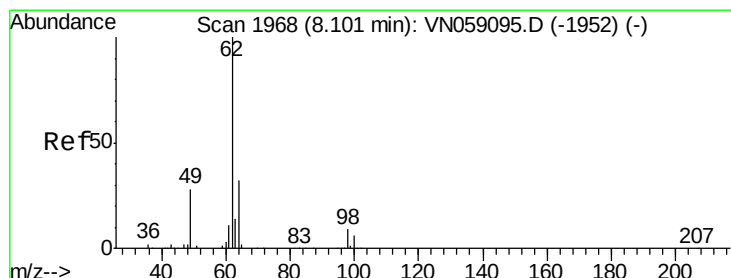
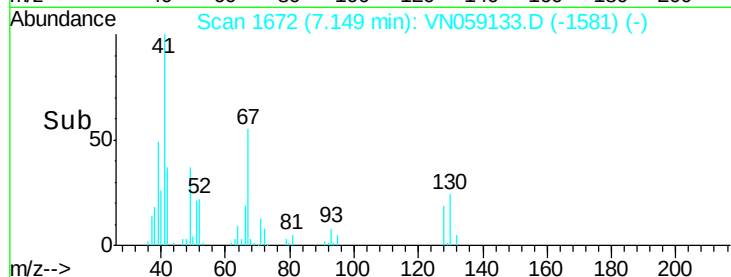
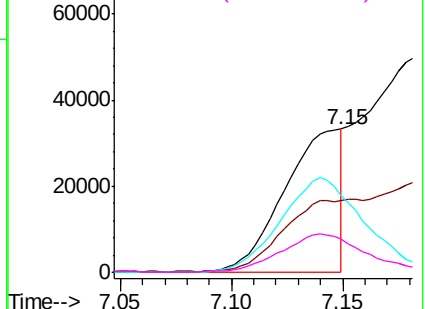


Abundance Ion 41.00 (40.70 to 41.70): VN059133.D (-1581) (-)

Ion 39.00 (38.70 to 39.70): VN059133.D (-1581) (-)

Ion 67.00 (66.70 to 67.70): VN059133.D (-1581) (-)

Ion 52.00 (51.70 to 52.70): VN059133.D (-1581) (-)



#42

1,2-Dichloroethane

Concen: 20.581 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN059133.D

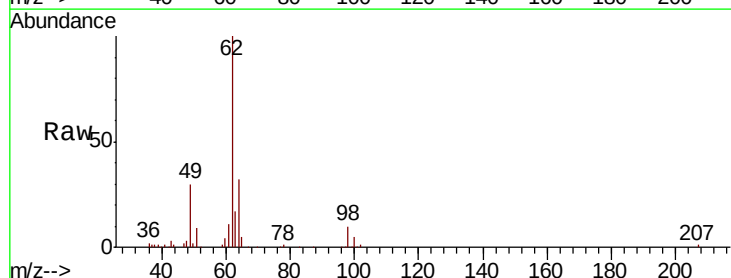
Acq: 8 Nov 2019 10:09

Tgt Ion: 62 Resp: 144080

Ion Ratio Lower Upper

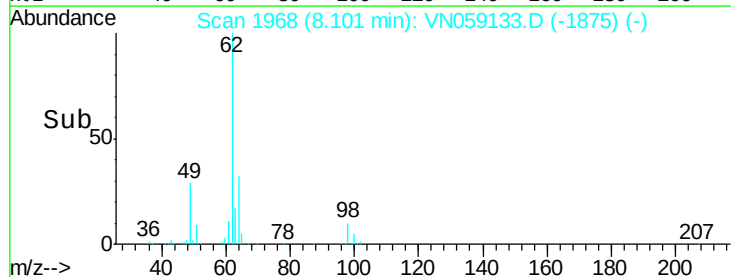
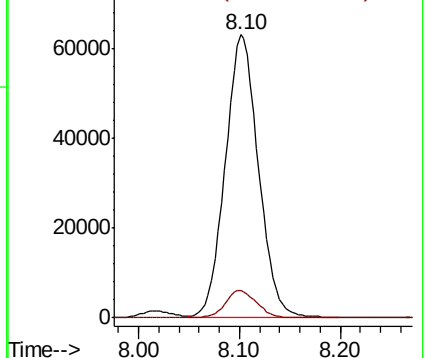
62 100

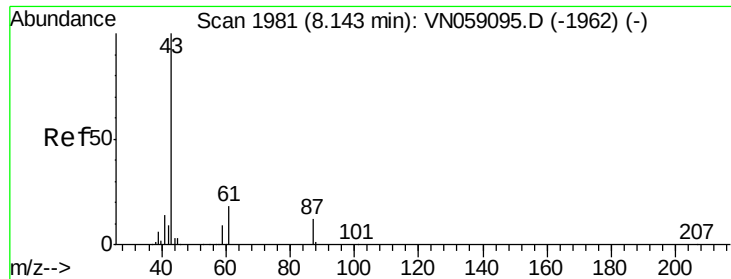
98 9.2 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059133.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN059133.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 19.525 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

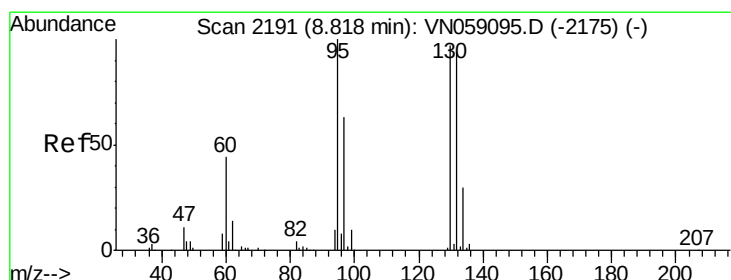
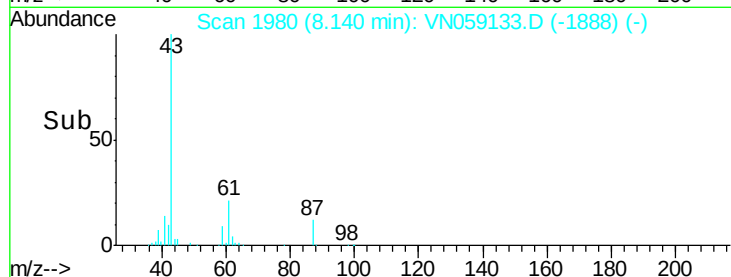
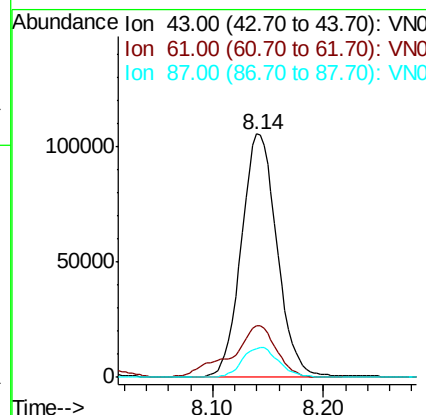
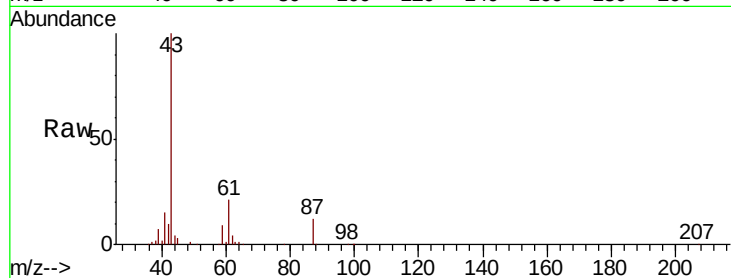
ClientSampleId :

VN1108MBS01

Tot Ion:	43	Resp:	234715
Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.0	31.6
87	12.7	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.161 ug/l

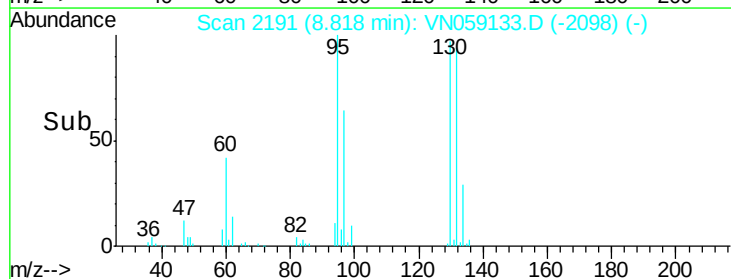
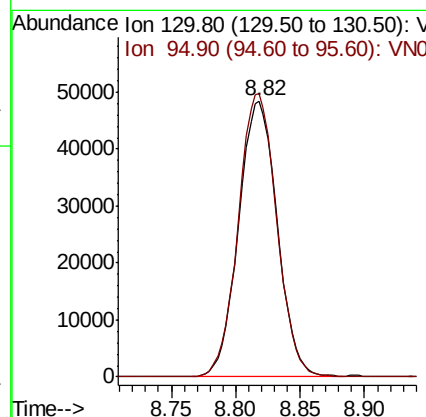
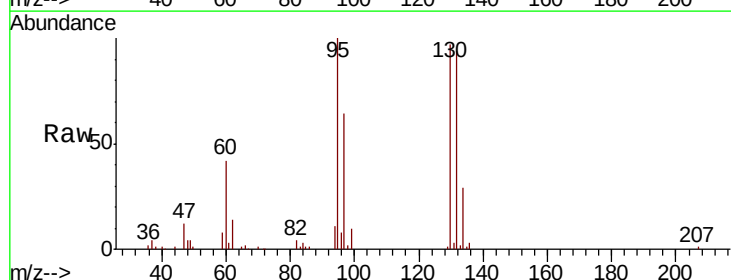
RT: 8.82 min Scan# 2191

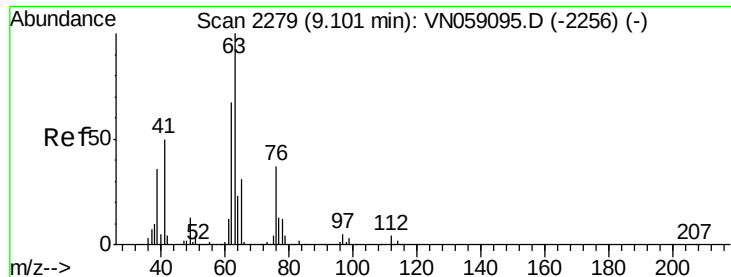
Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion:	130	Resp:	101158
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	206.4





#45

1,2-Dichloropropane

Concen: 20.522 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 63 Resp: 113774

Ion Ratio Lower Upper

63 100

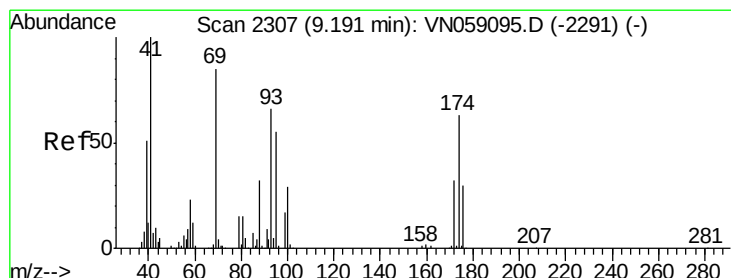
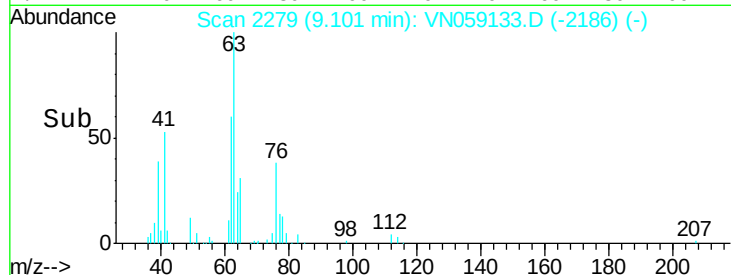
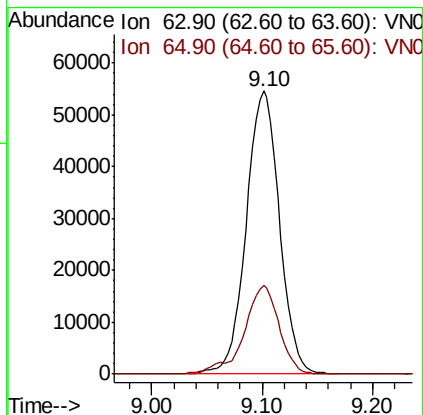
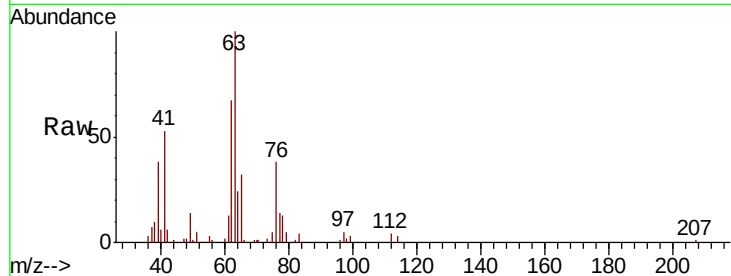
65 31.6 24.6 37.0

Manual Integrations

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MMDadoda

11/11/2019 10:45:48 AM



#46

Dibromomethane

Concen: 19.550 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

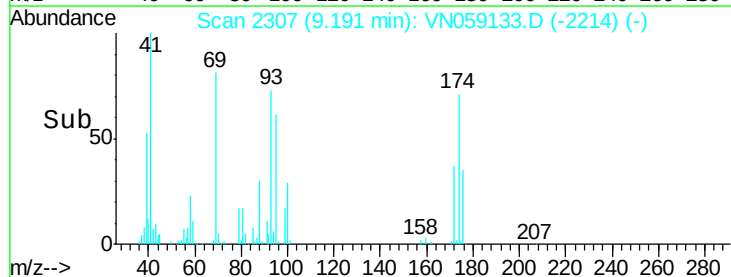
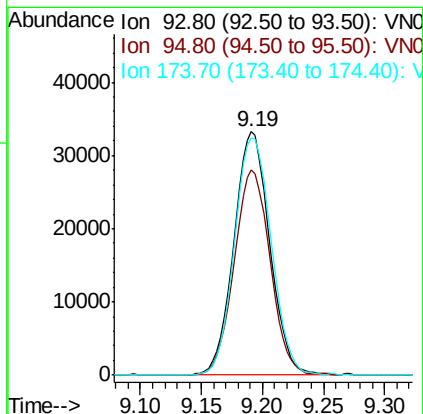
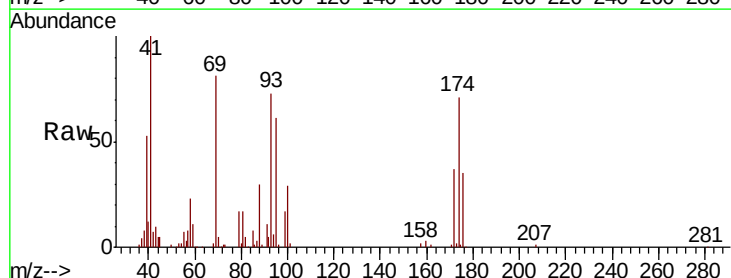
Tgt Ion: 93 Resp: 67542

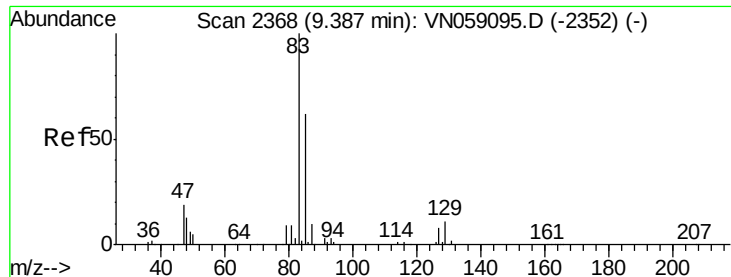
Ion Ratio Lower Upper

93 100

95 84.5 66.6 100.0

174 100.2 78.2 117.2





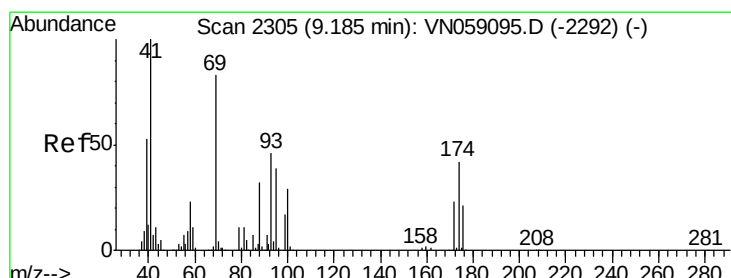
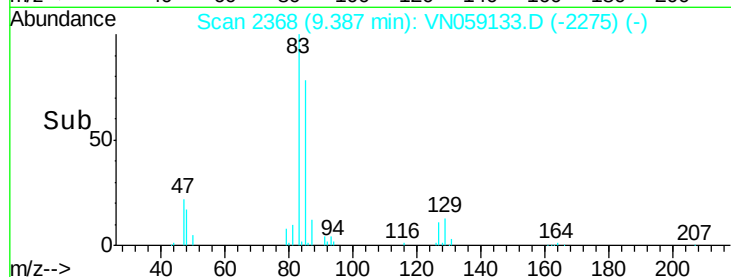
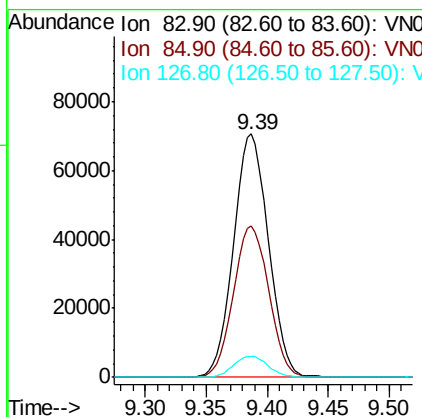
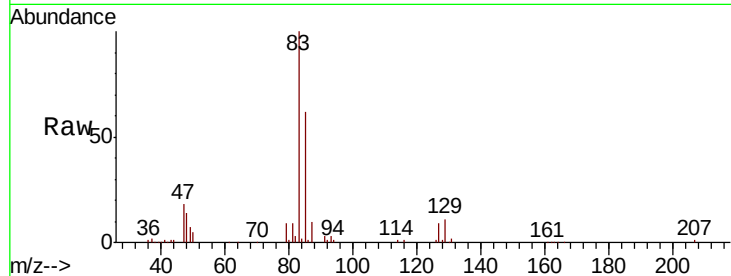
#47
Bromodichloromethane
Concen: 20.289 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	83	Resp	139962
Ion Ratio	100	Lower	Upper
83	100		
85	62.0	49.7	74.5
127	8.8	6.4	9.6

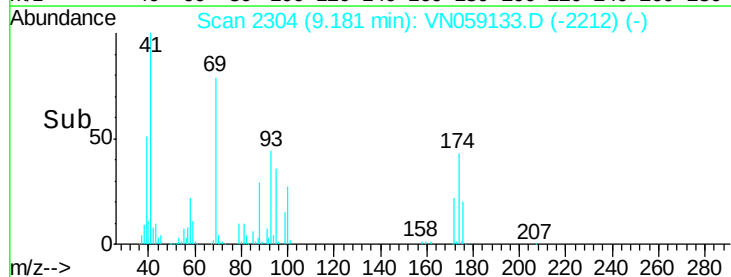
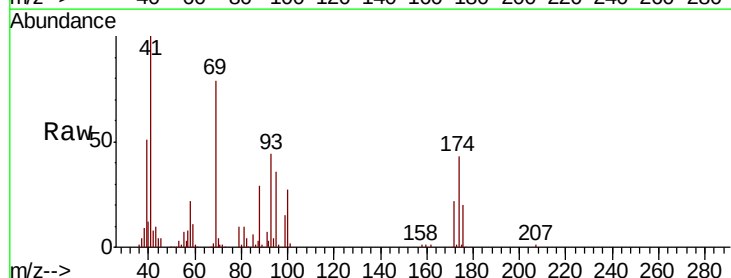
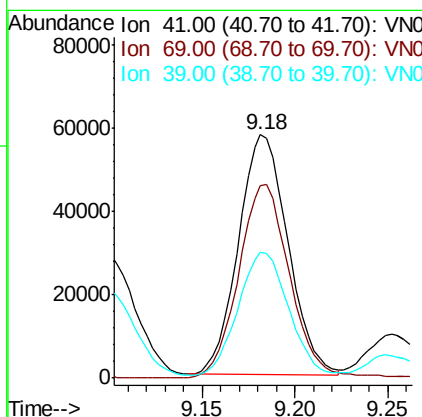
Manual Integrations
APPROVED

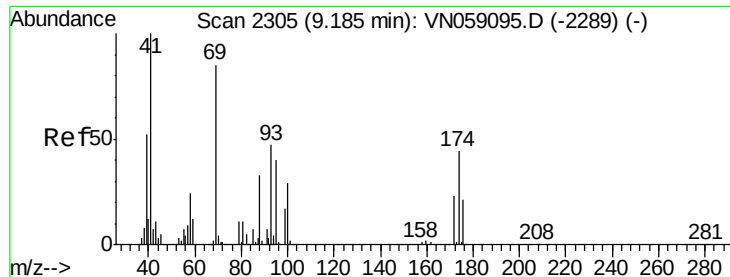
MMDadoda
11/11/2019 10:45:48 AM



#48
Methyl methacrylate
Concen: 19.876 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	41	Resp	106874
Ion Ratio	100	Lower	Upper
41	100		
69	83.5	67.3	100.9
39	54.5	43.3	64.9





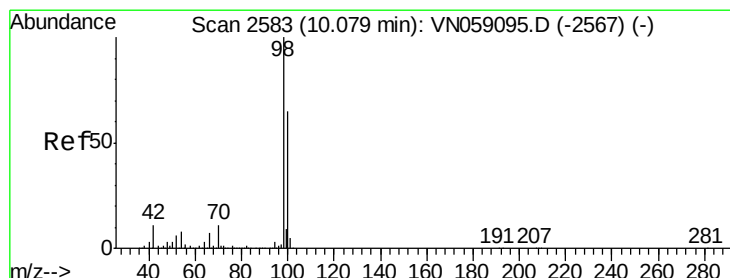
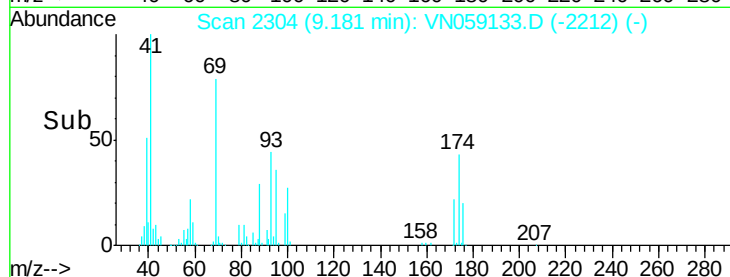
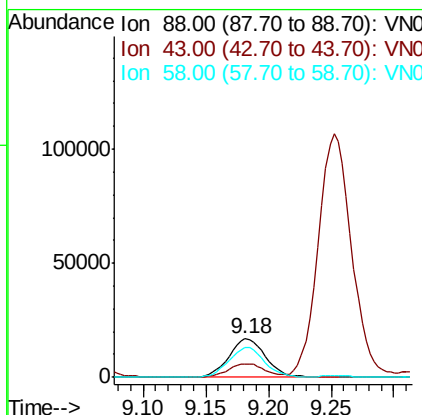
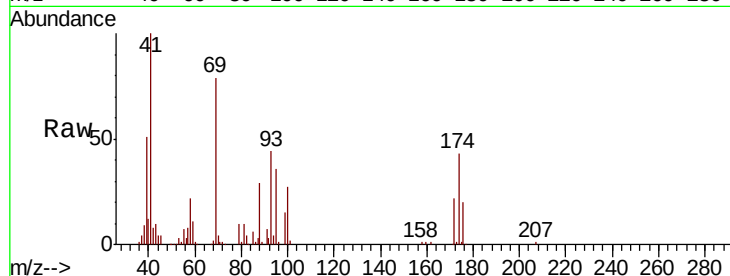
#49
1,4-Dioxane
Concen: 358.899 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	26.3	39.5
58	75.2	60.6	90.8

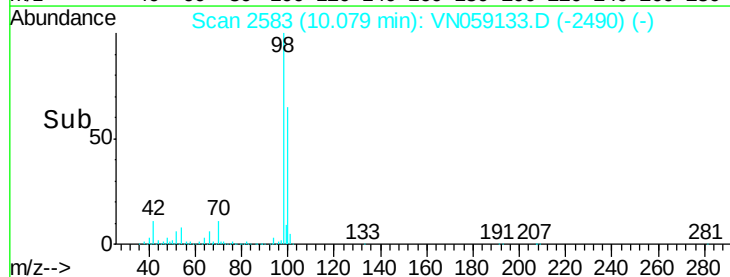
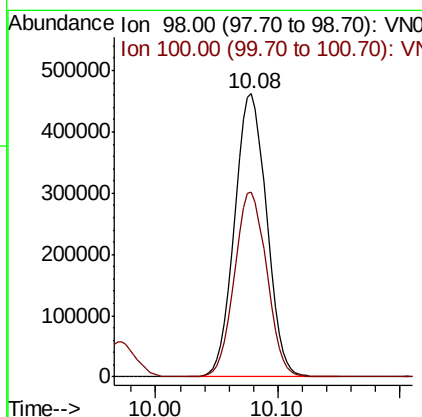
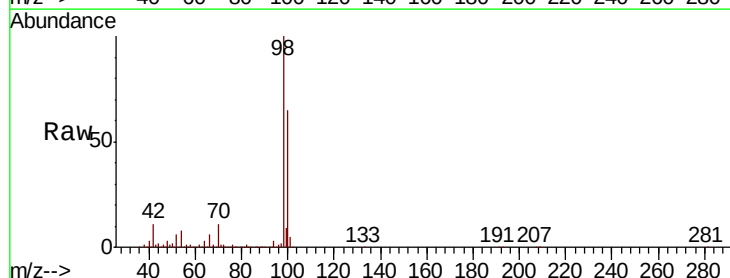
Manual Integrations
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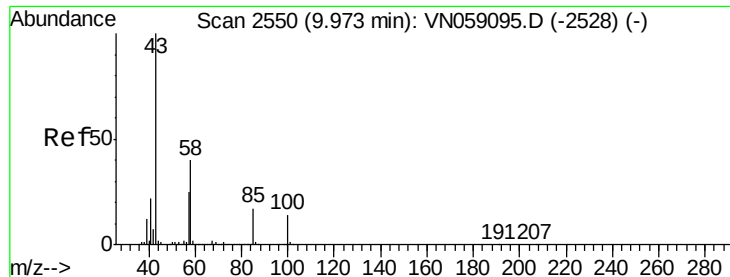
MMDadoda
11/11/2019 10:45:48 AM



#50
Toluene-d8
Concen: 49.422 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 109.491 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 43 Resp: 744751

Ion Ratio Lower Upper

43 100

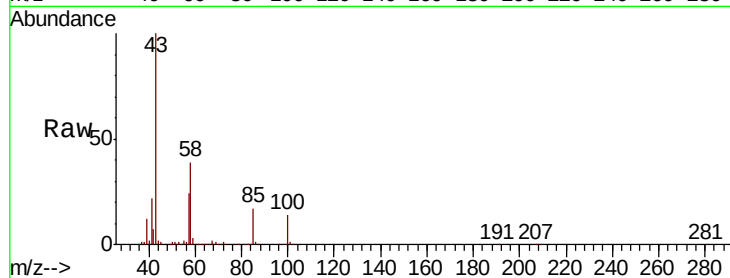
58 38.8 31.5 47.3

Manual Integrations

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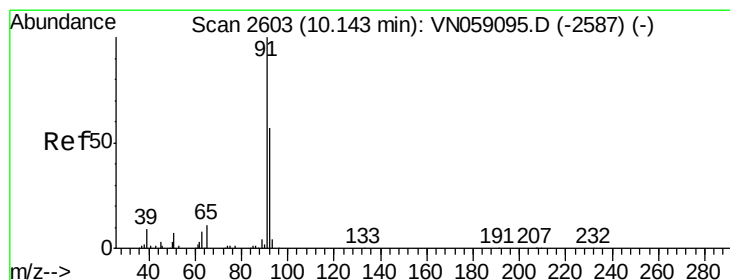
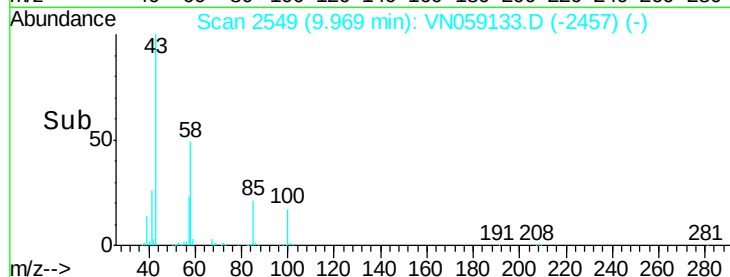
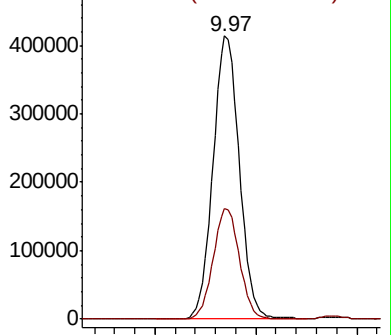
MMDadoda

11/11/2019 10:45:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.518 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059133.D

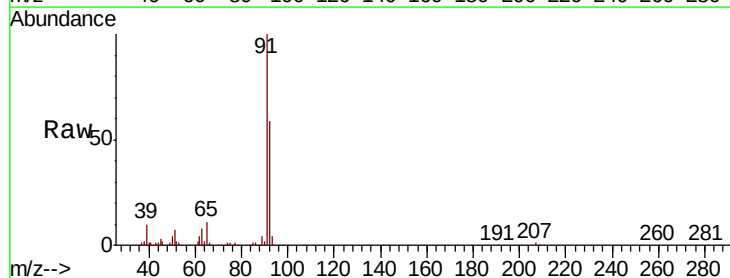
Acq: 8 Nov 2019 10:09

Tgt Ion: 92 Resp: 251010

Ion Ratio Lower Upper

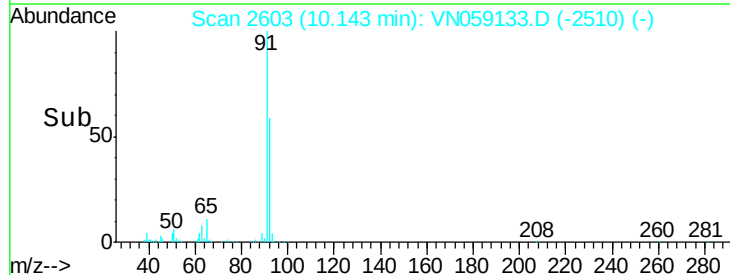
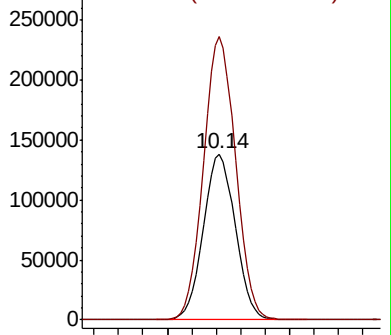
92 100

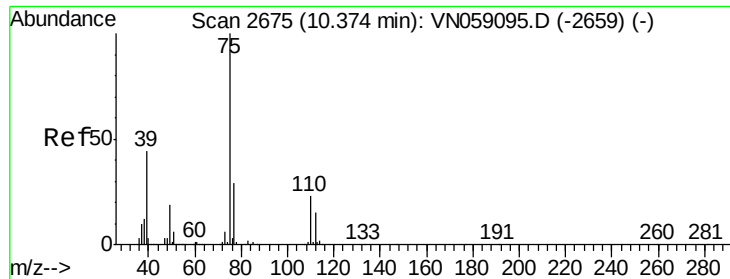
91 171.4 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





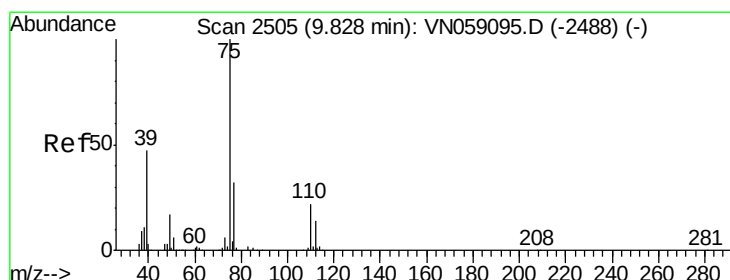
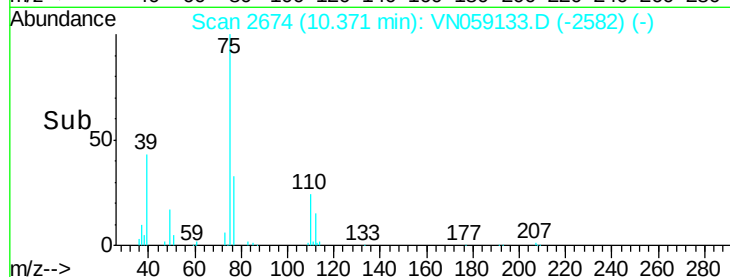
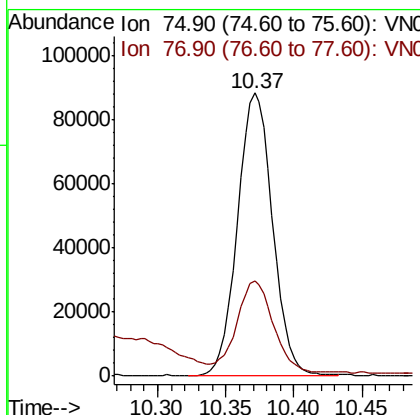
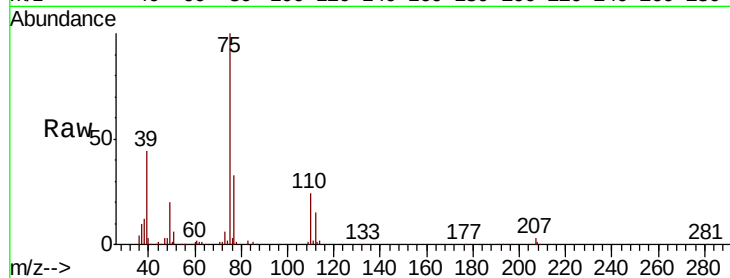
#53
t-1,3-Dichloropropene
Concen: 19.675 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9

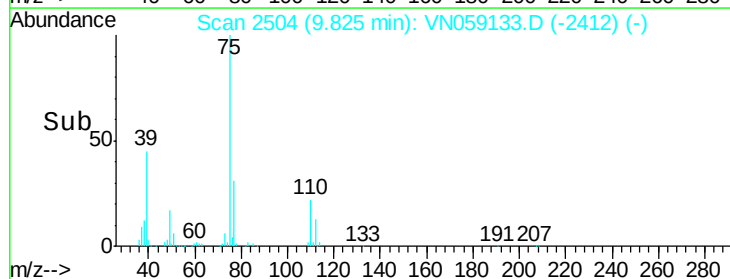
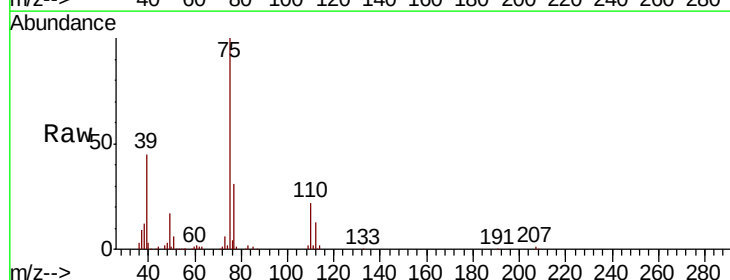
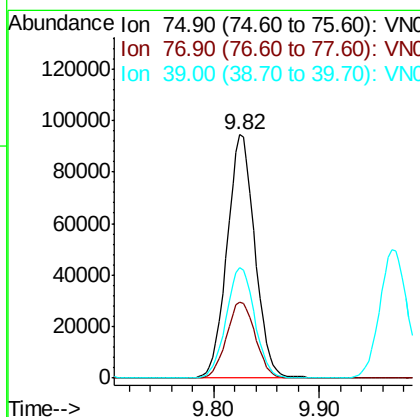
Manual Integrations
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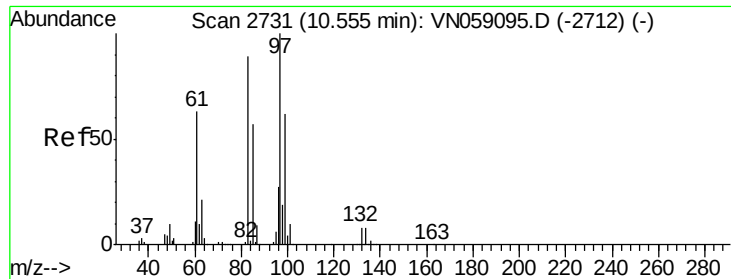
MMDadoda
11/11/2019 10:45:48 AM



#54
cis-1,3-Dichloropropene
Concen: 20.040 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3
39	45.2	37.3	55.9





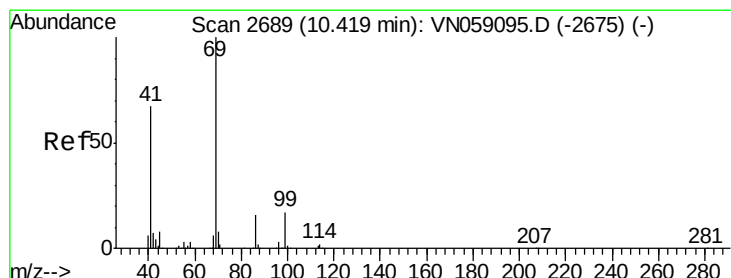
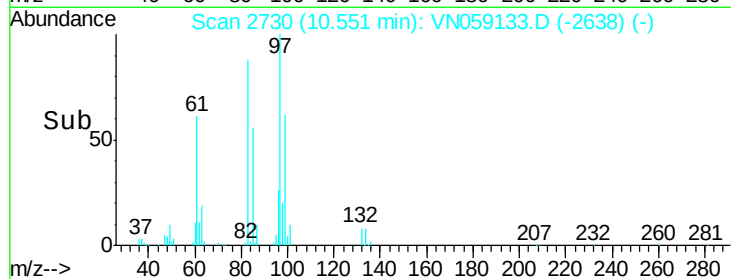
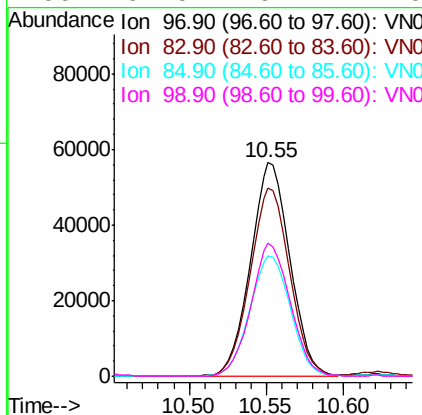
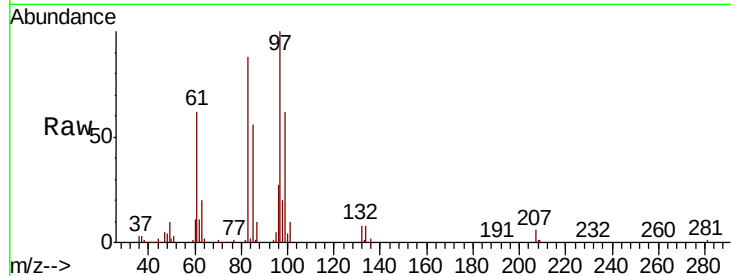
#55
 1,1,2-Trichloroethane
 Concen: 20.248 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion:	97	Resp:	100251
Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.0	106.4
85	56.2	45.8	68.8
99	62.0	49.4	74.0

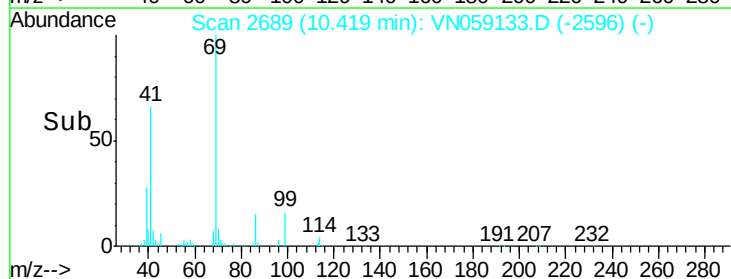
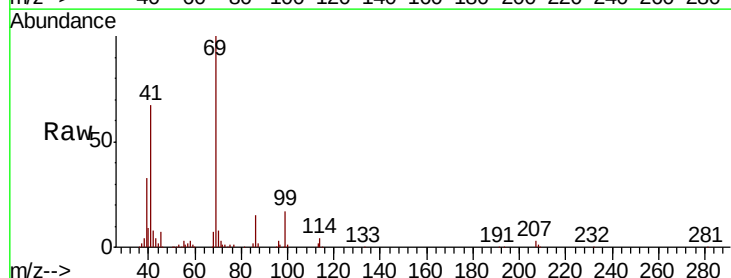
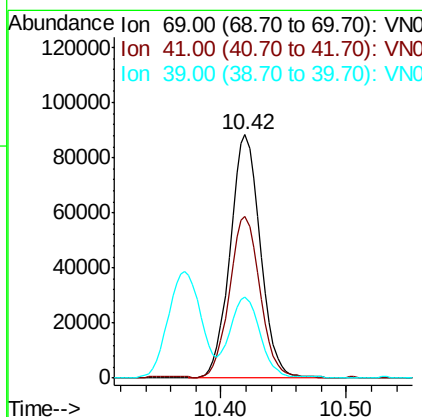
Manual Integrations
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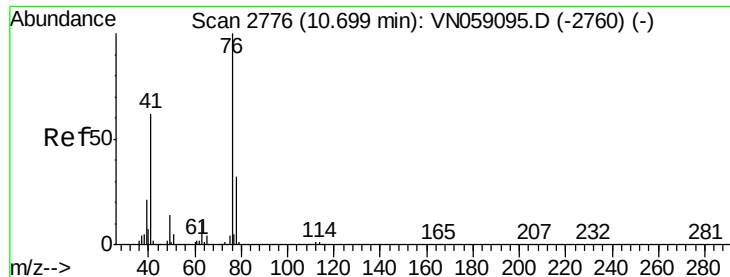
MMDadoda
 11/11/2019 10:45:48 AM



#56
 Ethyl methacrylate
 Concen: 19.108 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion:	69	Resp:	147862
Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.6	80.4
39	33.7	26.2	39.4





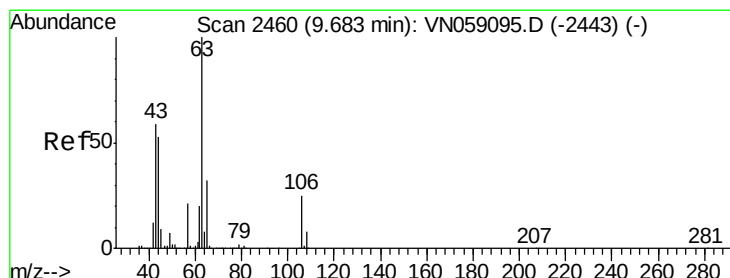
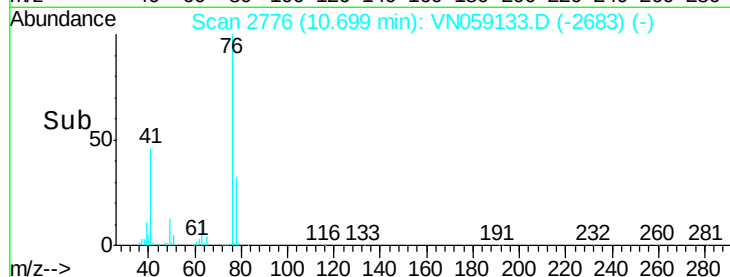
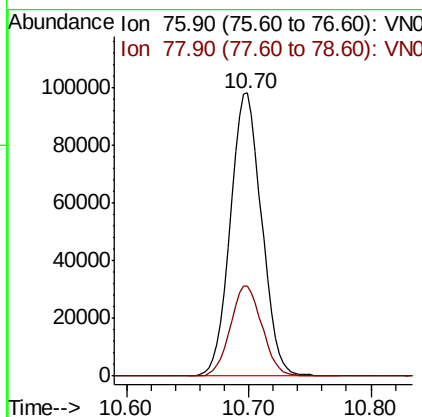
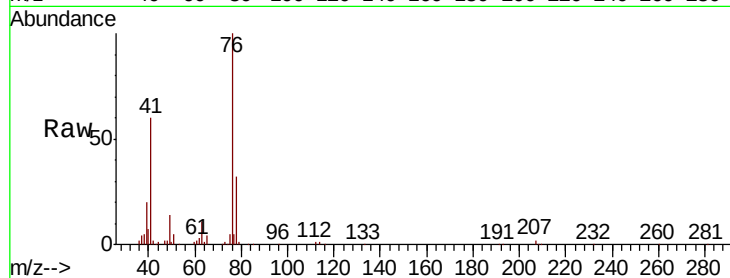
#57
 1,3-Dichloropropane
 Concen: 20.574 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

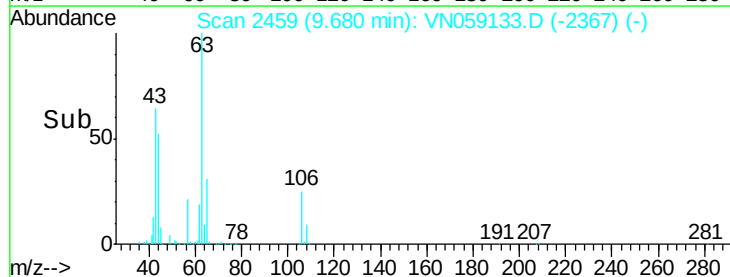
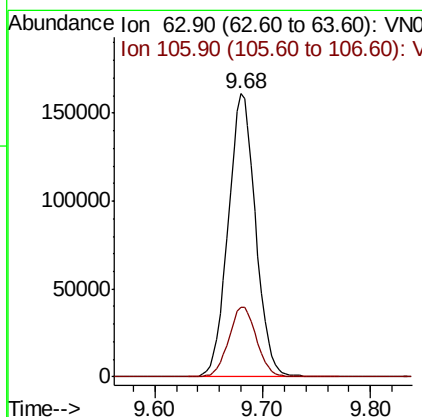
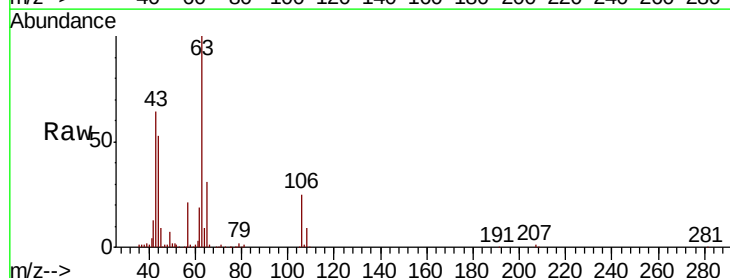
Manual Integrations
 APPROVED

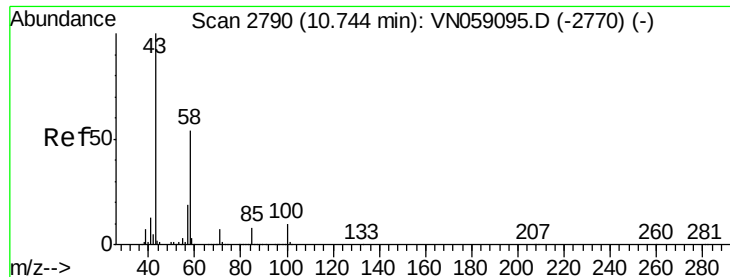
MMDadoda
 11/11/2019 10:45:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.673 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.2	30.2





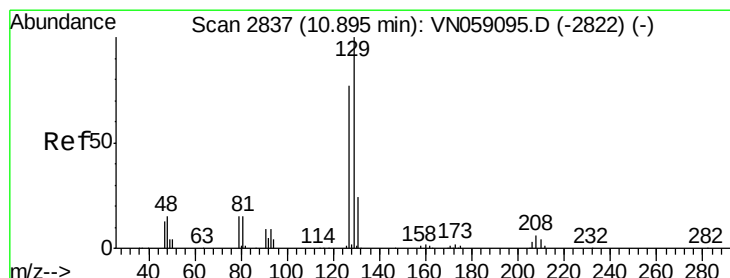
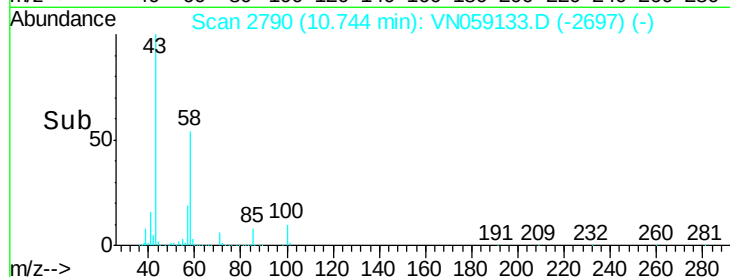
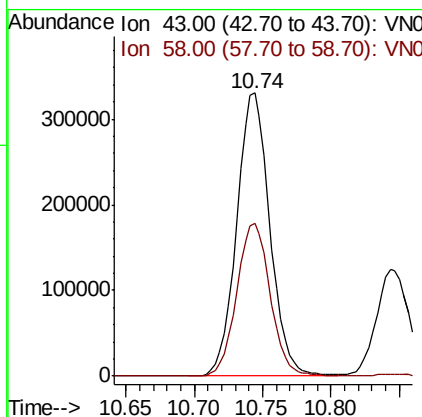
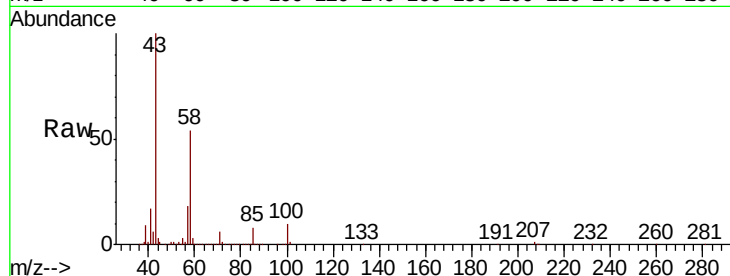
#59
2-Hexanone
Concen: 106.428 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	43	Resp	555643
Ion Ratio	43	100	
Lower	58	54.8	27.3
Upper			81.8

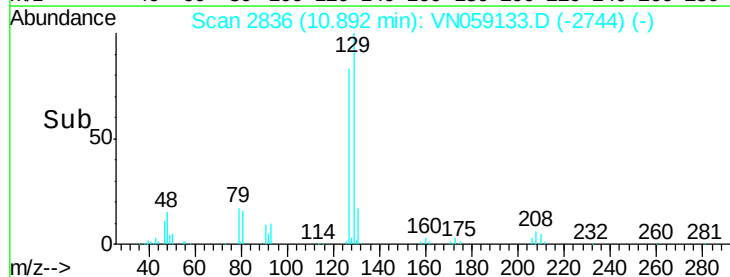
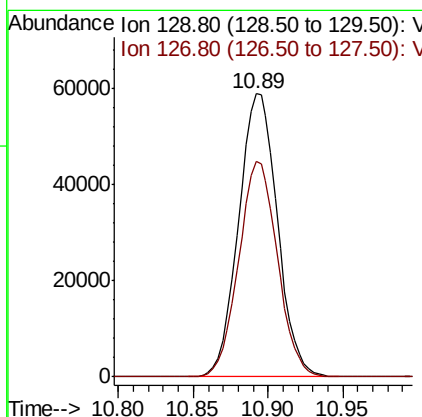
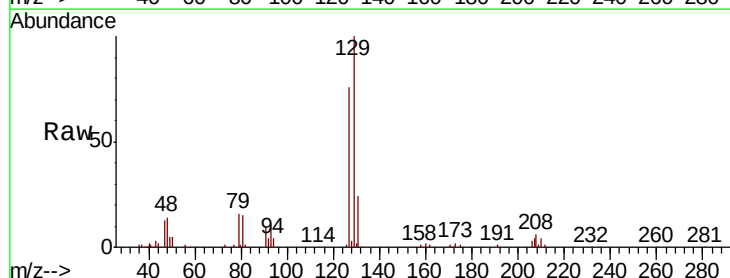
Manual Integrations
APPROVED

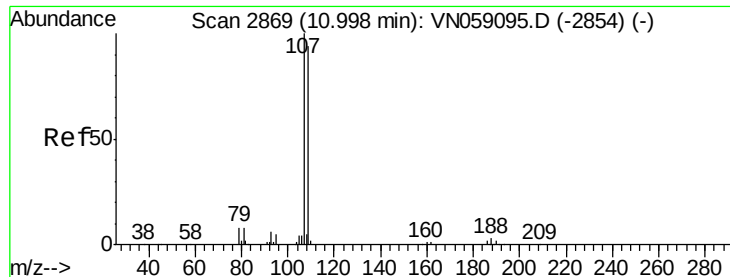
MMDadoda
11/11/2019 10:45:48 AM



#60
Dibromochloromethane
Concen: 20.264 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	129	Resp	106080
Ion Ratio	129	100	
Lower	127	75.8	38.6
Upper			115.8





#61

1,2-Dibromoethane

Concen: 20.150 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 107 Resp: 100993

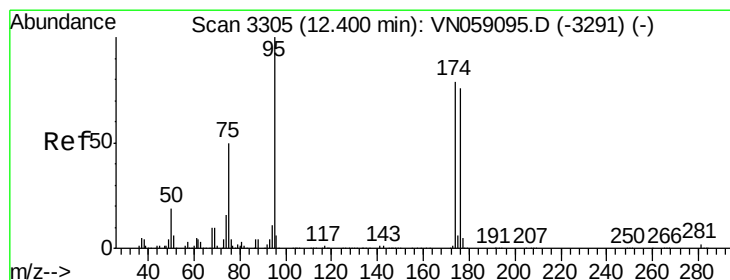
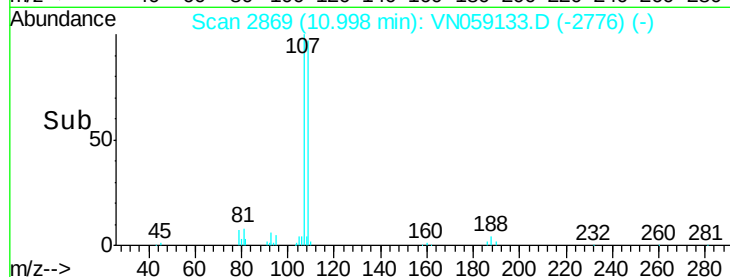
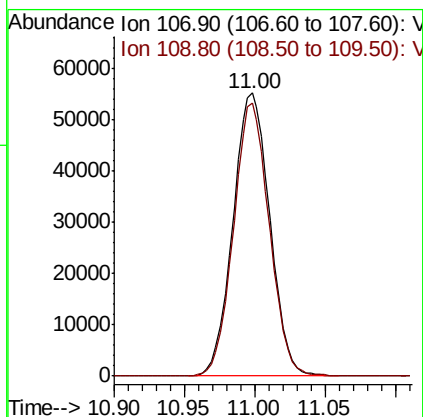
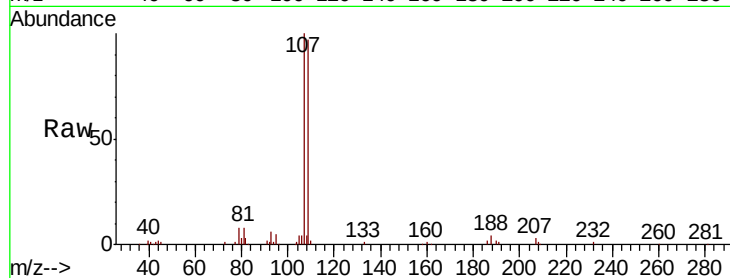
Ion Ratio Lower Upper

107 100

109 93.9 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
11/11/2019 10:45:48 AM



#62

4-Bromofluorobenzene

Concen: 48.469 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

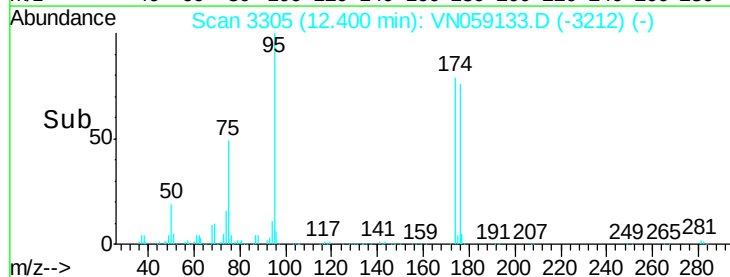
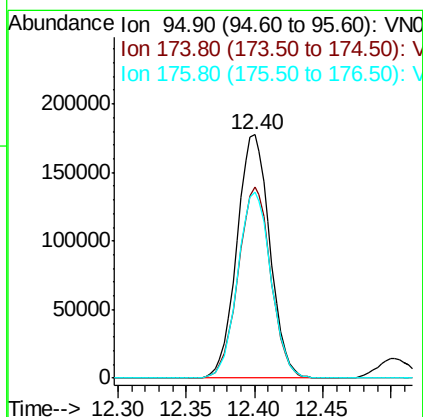
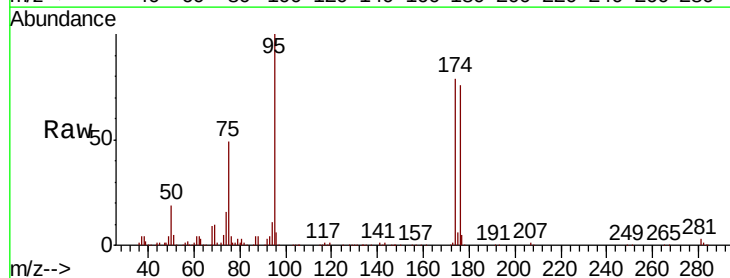
Tgt Ion: 95 Resp: 298055

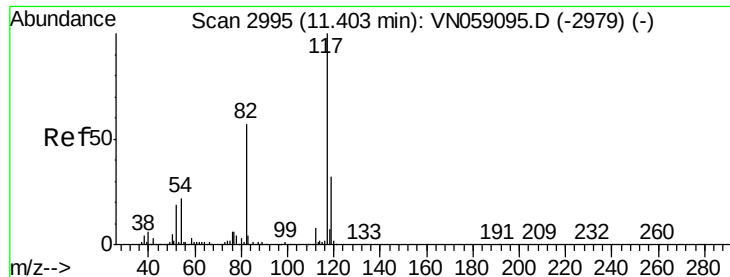
Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.2

176 77.0 0.0 151.8





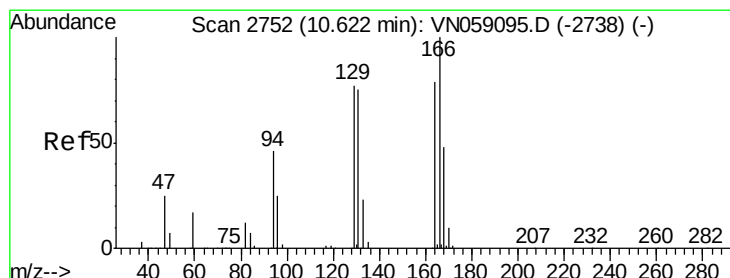
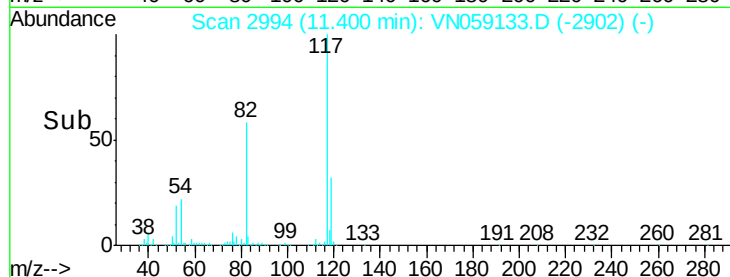
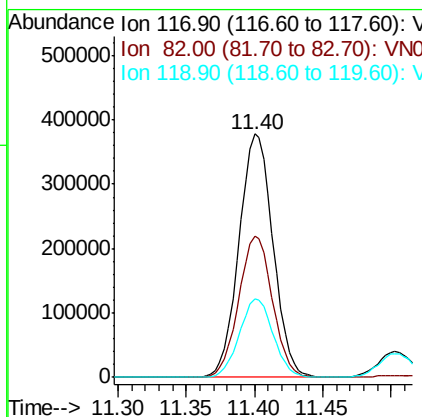
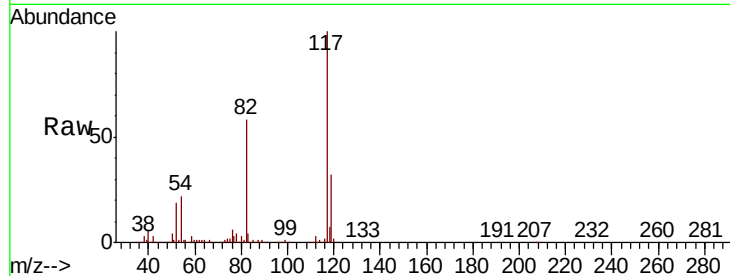
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.8	68.8
119	32.3	25.8	38.6

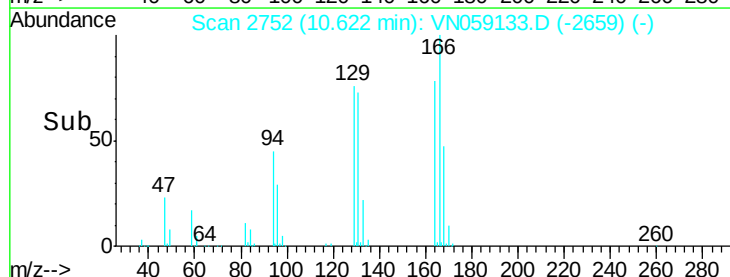
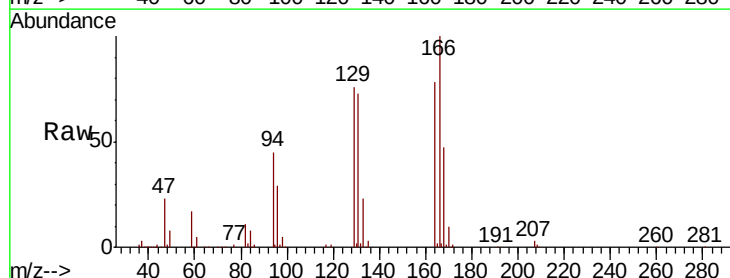
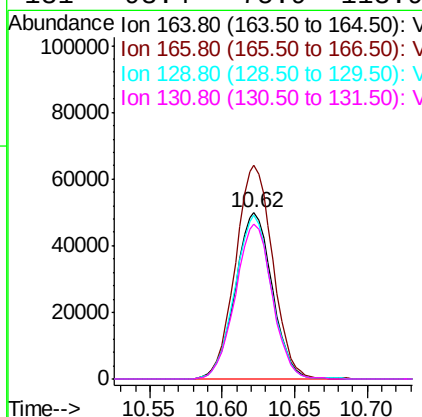
Manual Integrations
APPROVED

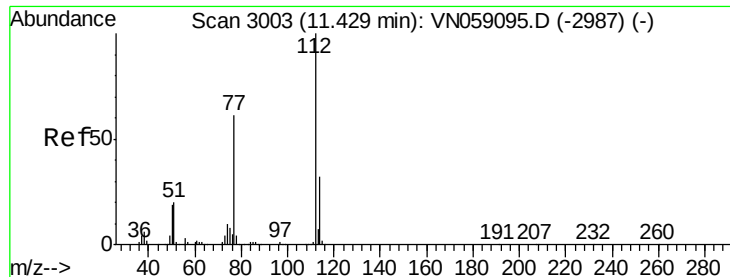
MMDadoda
11/11/2019 10:45:48 AM



#64
Tetrachloroethene
Concen: 19.912 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.5	152.3
129	98.3	78.3	117.5
131	93.4	75.9	113.9





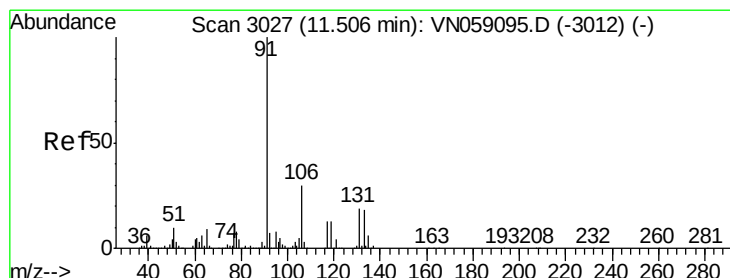
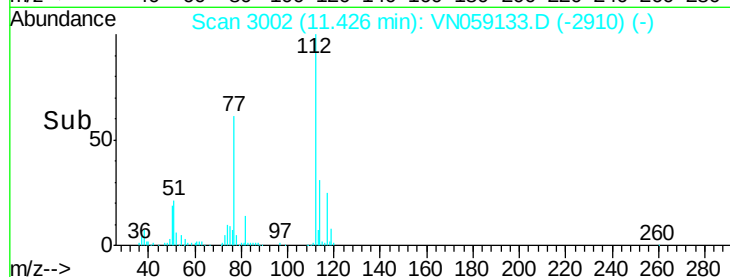
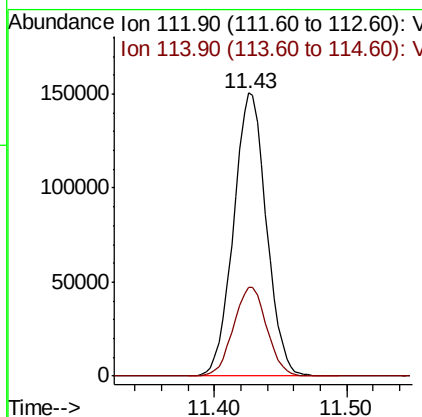
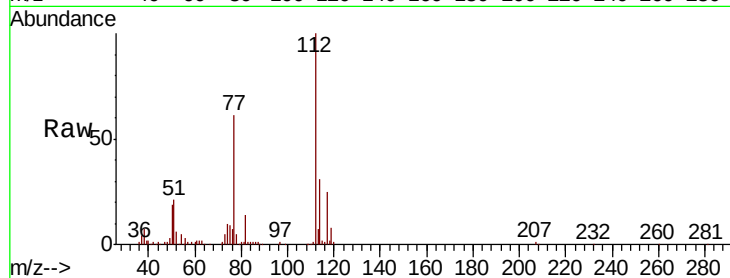
#65
Chlorobenzene
Concen: 20.272 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion:112 Resp: 258748
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8

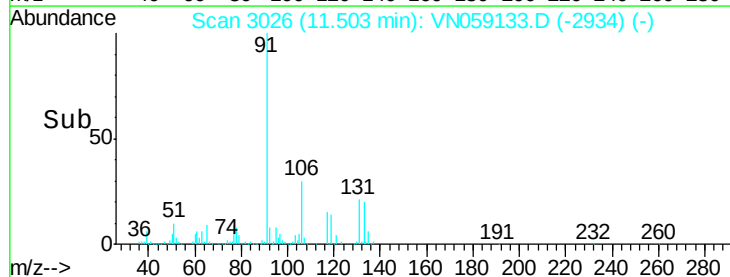
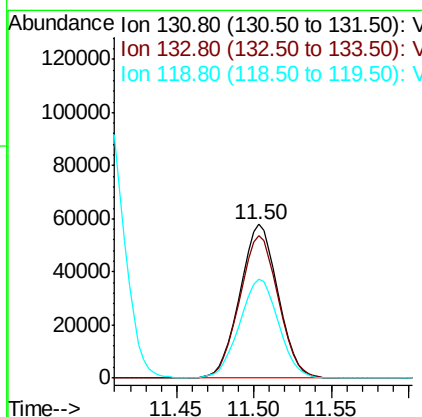
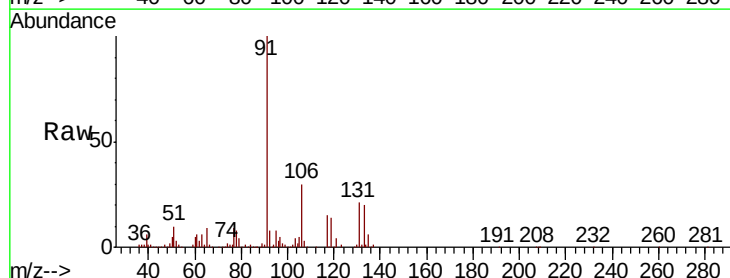
Manual Integrations
APPROVED

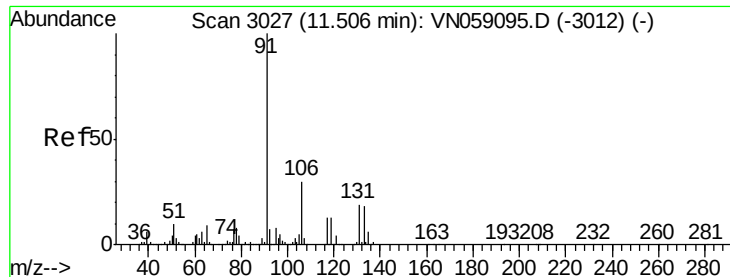
MMDadoda
11/11/2019 10:45:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.802 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion:131 Resp: 99603
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.3
119 65.9 33.2 99.6





#67

Ethyl Benzene

Concen: 20.587 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 91 Resp: 466206

Ion Ratio Lower Upper

91 100

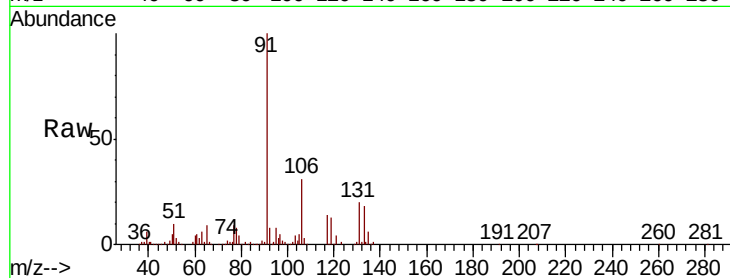
106 30.5 24.1 36.1

Manual Integrations

APPROVED

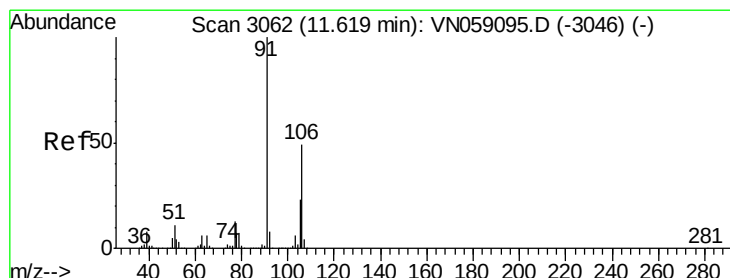
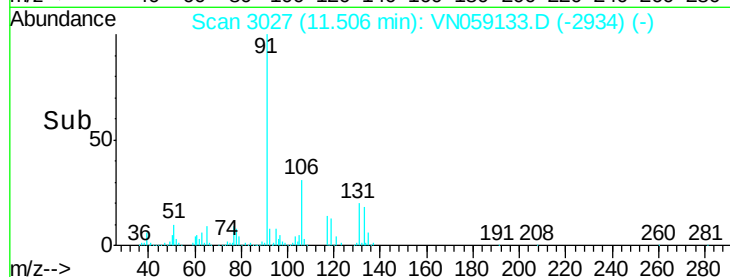
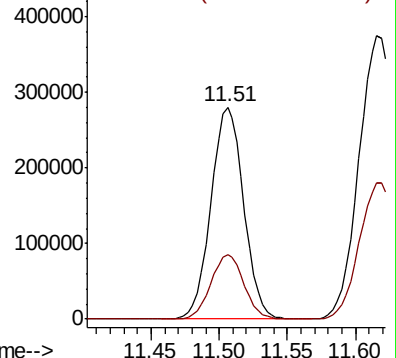
MMDadoda

11/11/2019 10:45:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.997 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059133.D

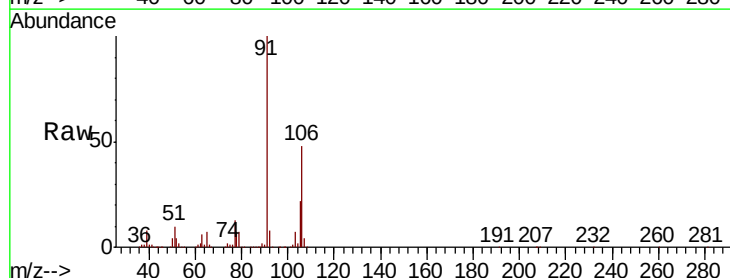
Acq: 8 Nov 2019 10:09

Tgt Ion: 106 Resp: 347777

Ion Ratio Lower Upper

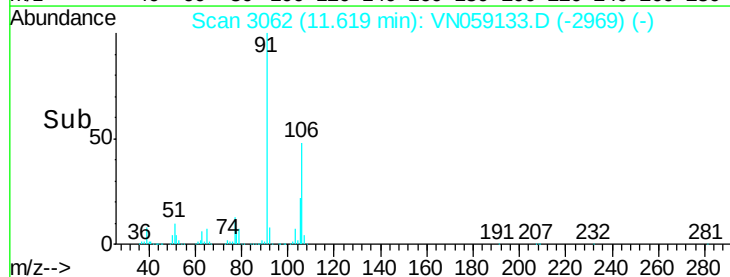
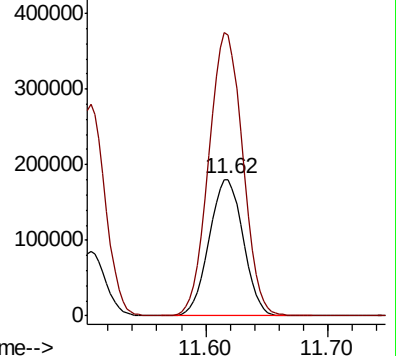
106 100

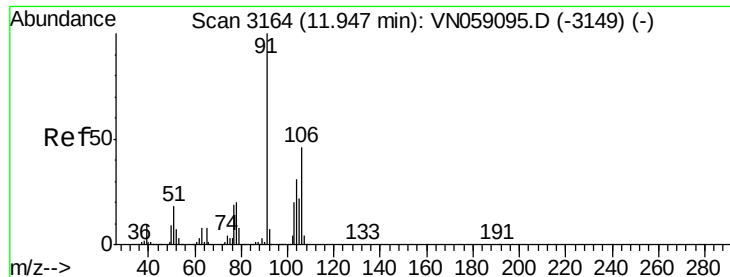
91 206.5 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





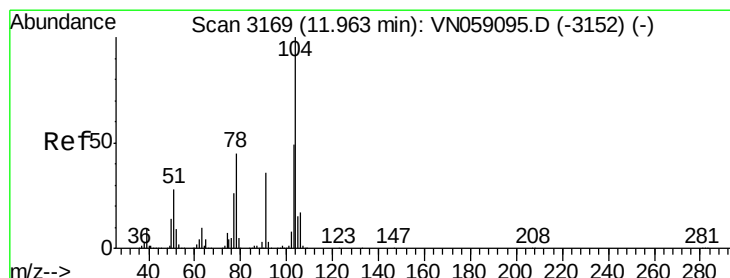
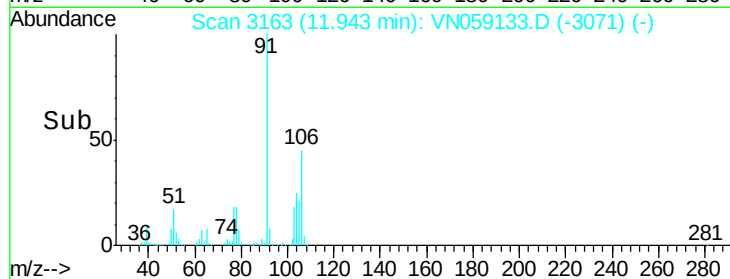
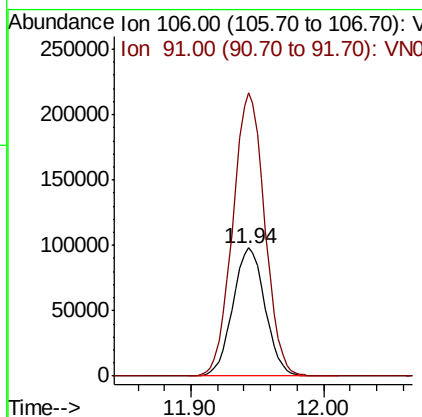
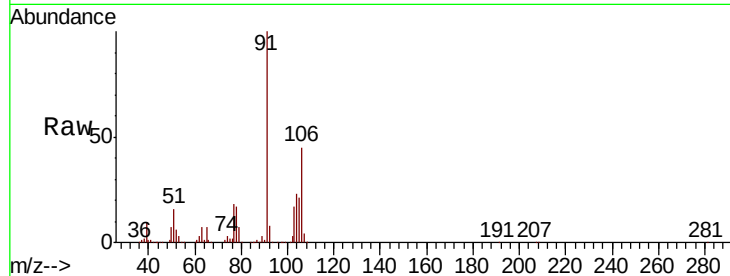
#69
o-Xylene
Concen: 20.229 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	218.8	110.1	330.3		

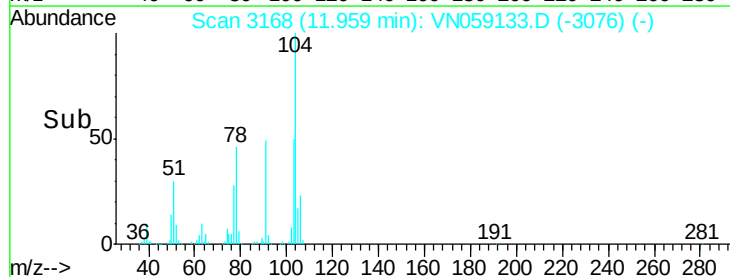
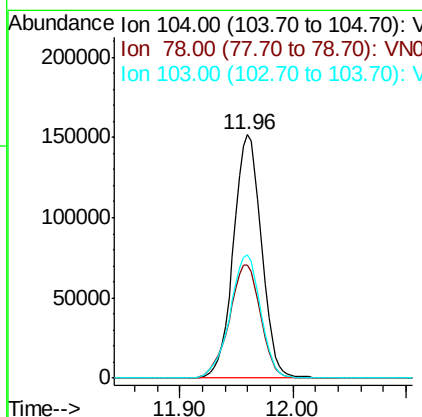
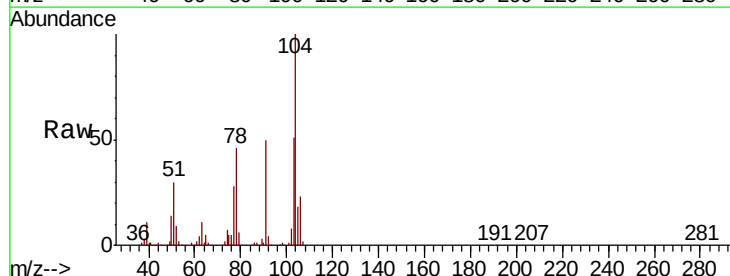
Manual Integrations
APPROVED

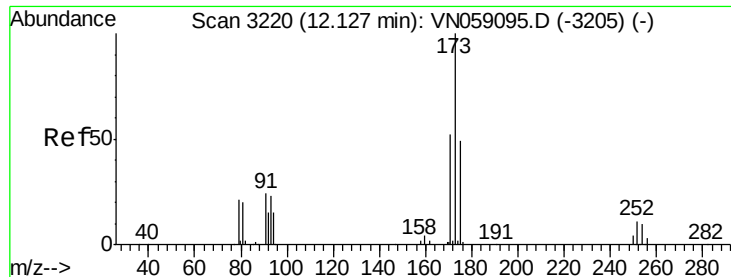
MMDadoda
11/11/2019 10:45:48 AM



#70
Styrene
Concen: 20.408 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.9	41.2	61.8		
103	55.1	43.8	65.6		





#71

Bromoform

Concen: 20.314 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

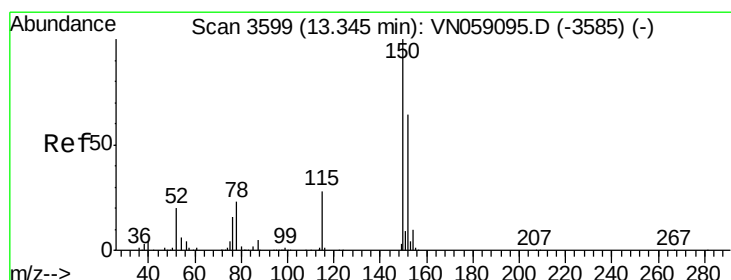
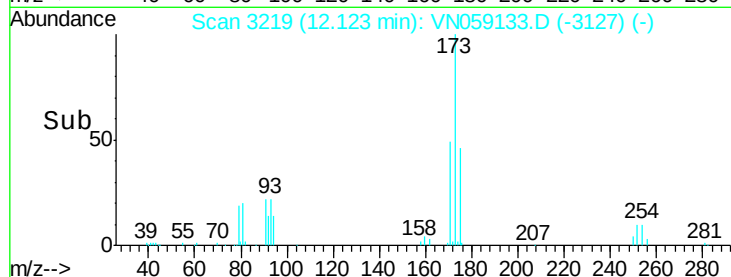
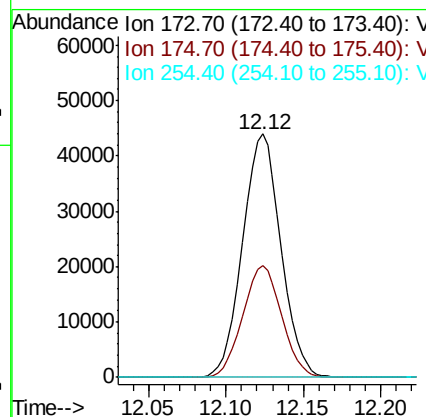
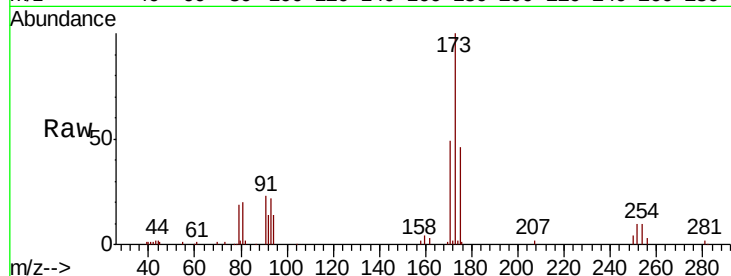
ClientSampleId :

VN1108MBS01

Tot Ion:	173	Resp:	75655
Ion Ratio	Lower	Upper	
173	100		
175	46.3	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

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11/11/2019 10:45:48 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

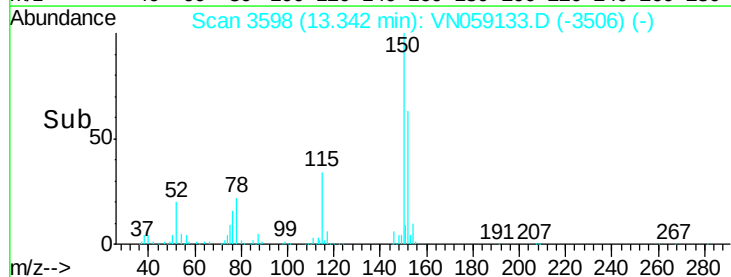
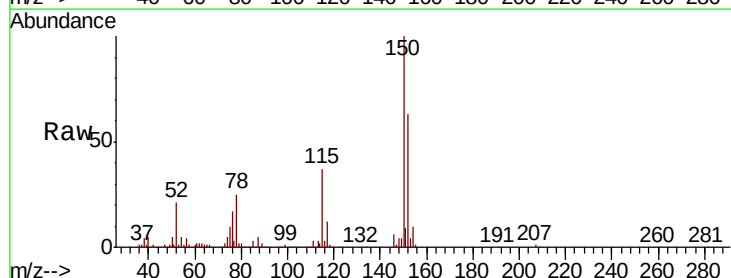
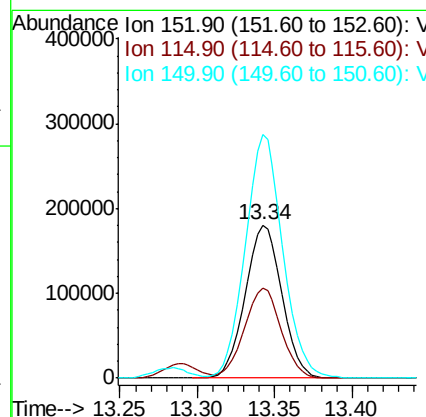
RT: 13.34 min Scan# 3598

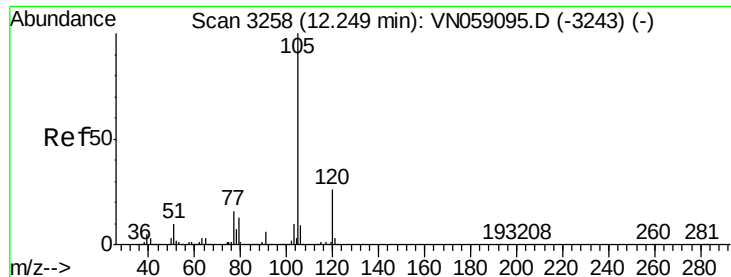
Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion:	152	Resp:	296353
Ion Ratio	Lower	Upper	
152	100		
115	59.2	29.4	88.2
150	162.3	0.0	345.8





#73

Isopropylbenzene

Concen: 20.521 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBS01

Tot Ion: 105 Resp: 442365

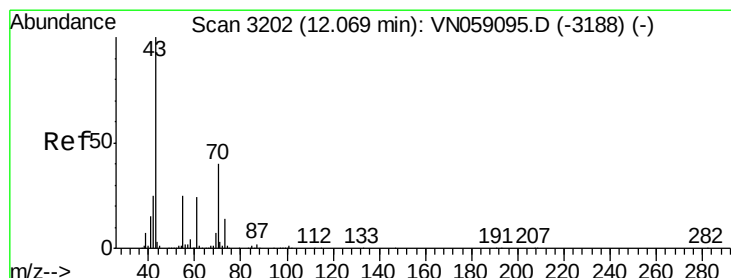
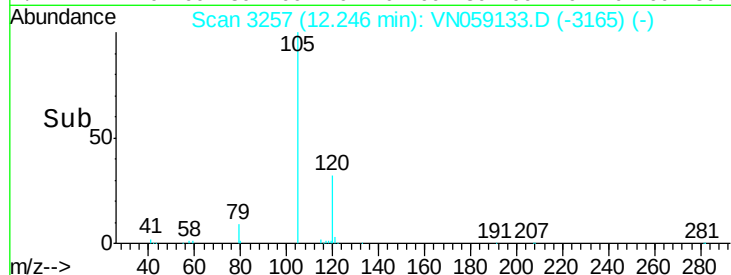
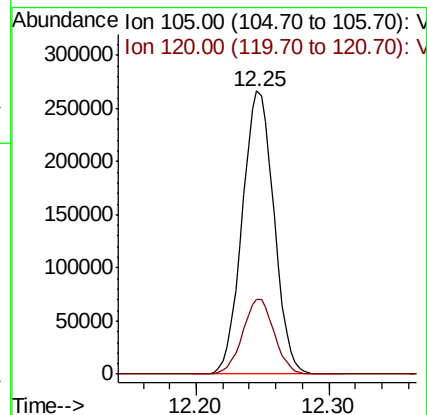
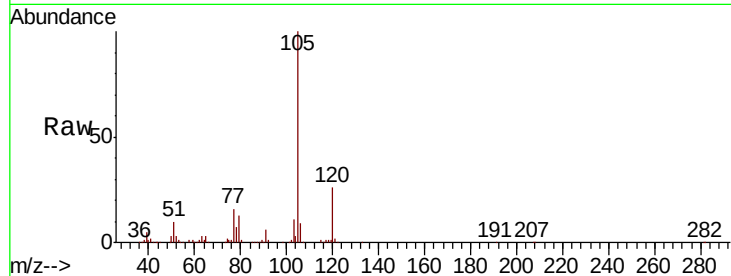
Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3

Manual Integrations
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11/11/2019 10:45:48 AM



#74

N-ethyl acetate

Concen: 19.792 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion: 43 Resp: 180790

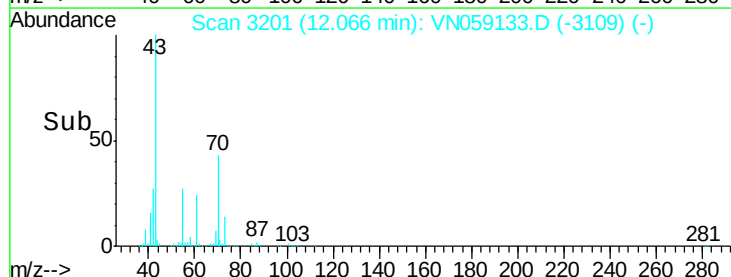
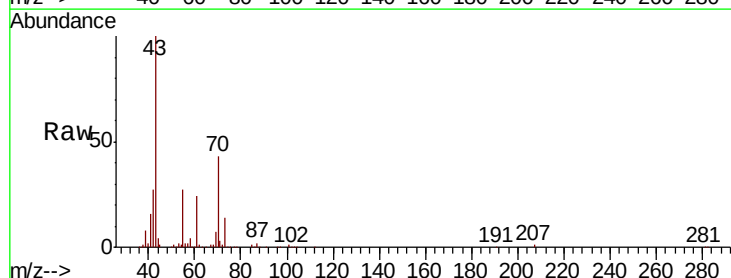
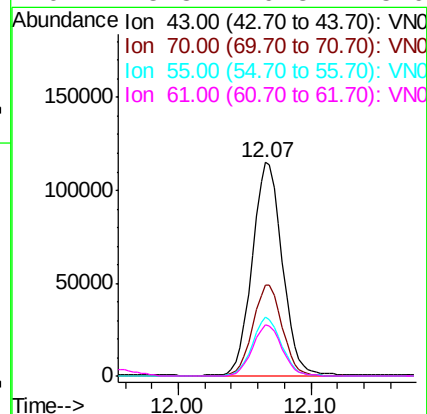
Ion Ratio Lower Upper

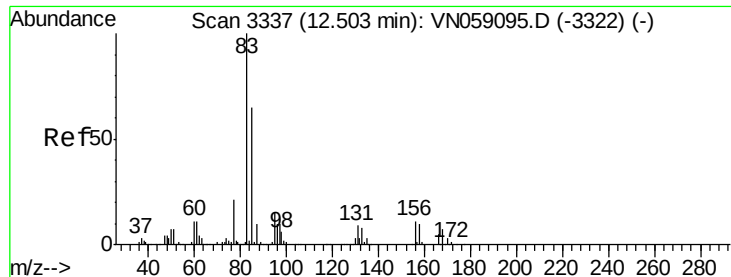
43 100

70 42.2 32.2 48.4

55 26.9 20.4 30.6

61 23.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.494 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

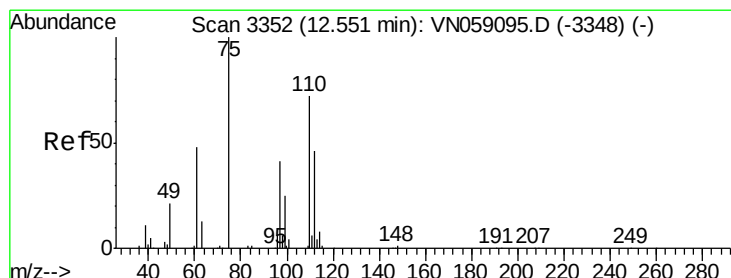
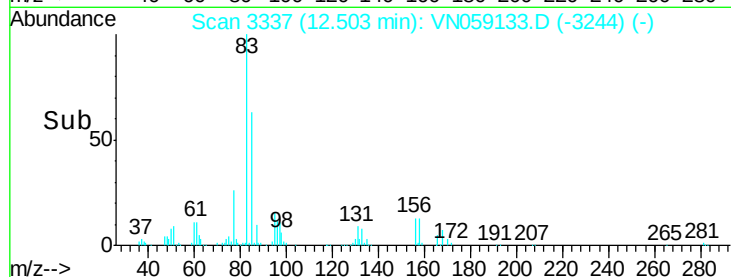
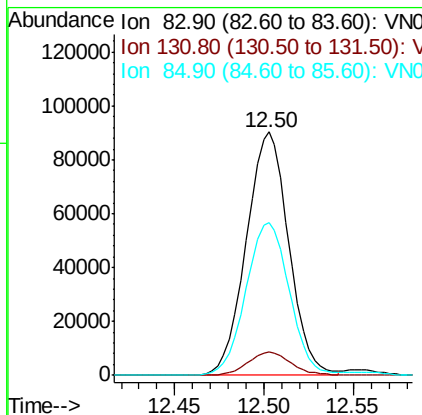
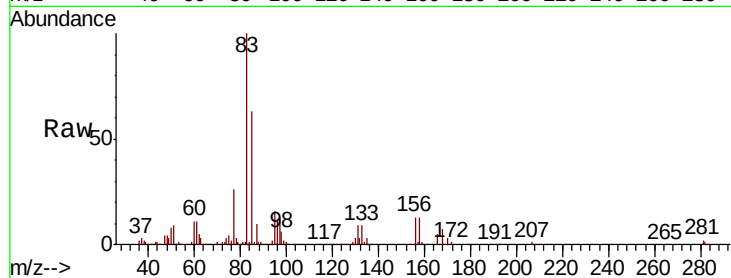
ClientSampleId :

VN1108MBS01

Tot Ion:	83	Resp:	150446
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.3	32.4	97.2

Manual Integrations
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11/11/2019 10:45:48 AM



#76

1,2,3-Trichloropropane

Concen: 20.394 ug/l m

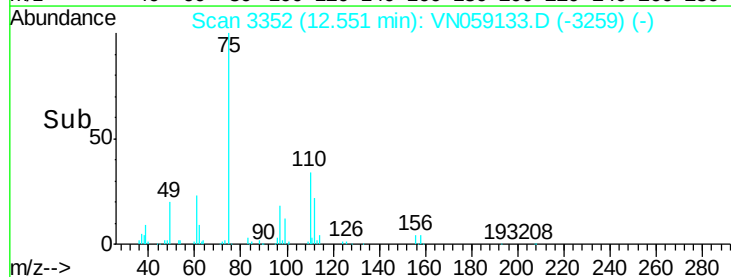
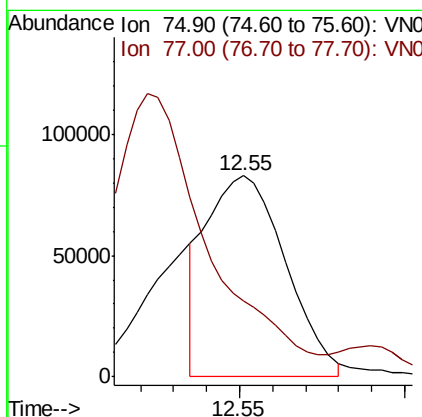
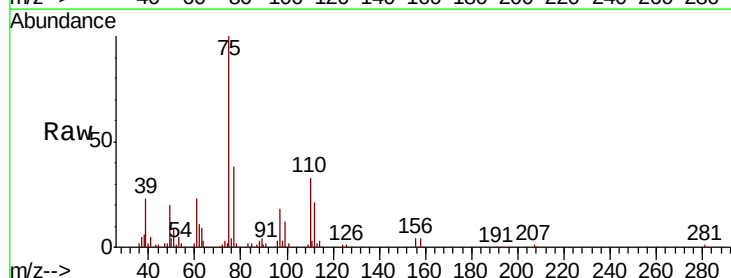
RT: 12.55 min Scan# 3352

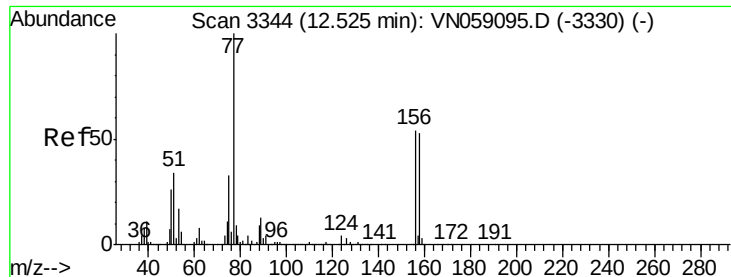
Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion:	75	Resp:	137597
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.535 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

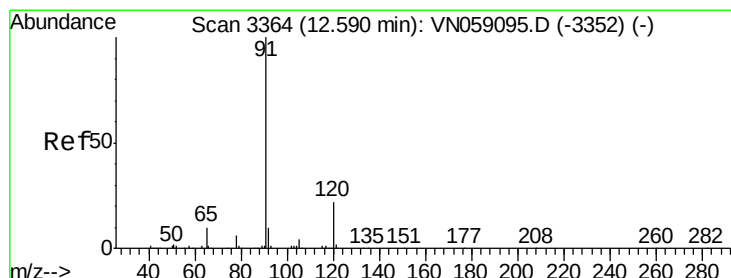
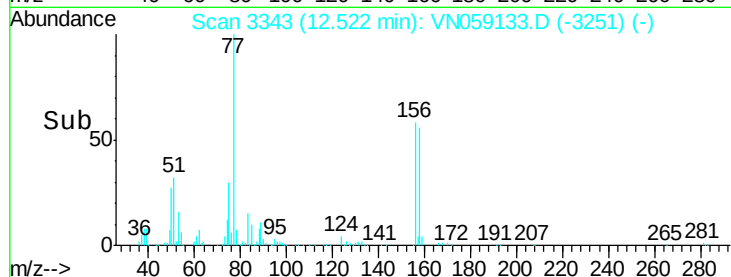
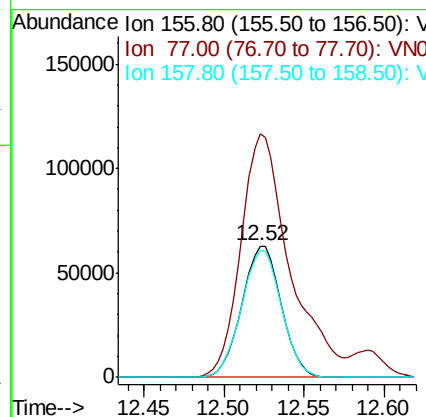
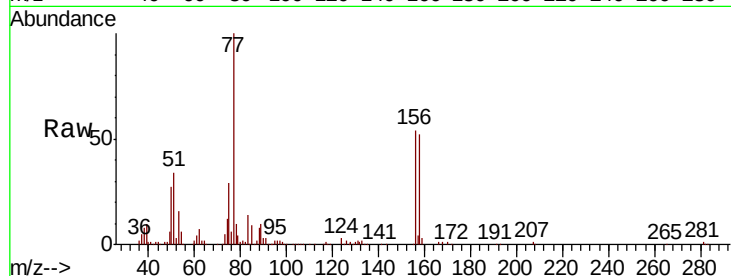
ClientSampleId :

VN1108MBS01

Tot Ion:	156	Resp:	105799
Ion Ratio	Lower	Upper	
156	100		
77	230.5	112.8	338.3
158	98.4	48.4	145.3

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#78

n-propylbenzene

Concen: 20.838 ug/l

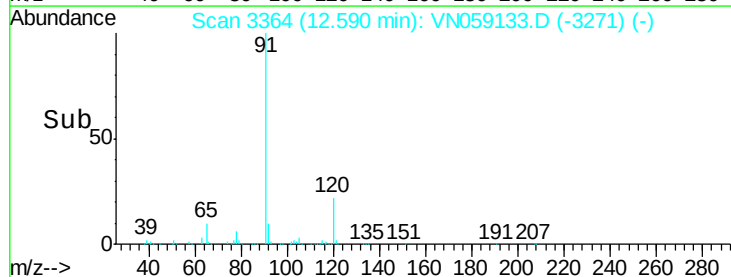
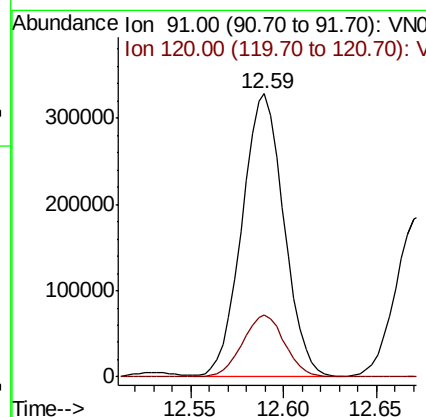
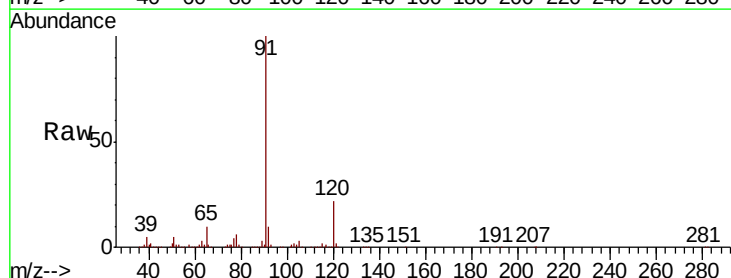
RT: 12.59 min Scan# 3364

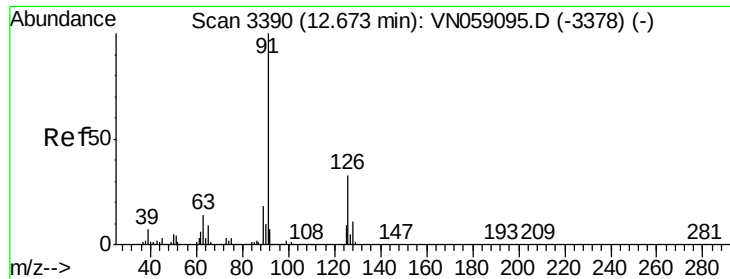
Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion:	91	Resp:	514343
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.2	33.5





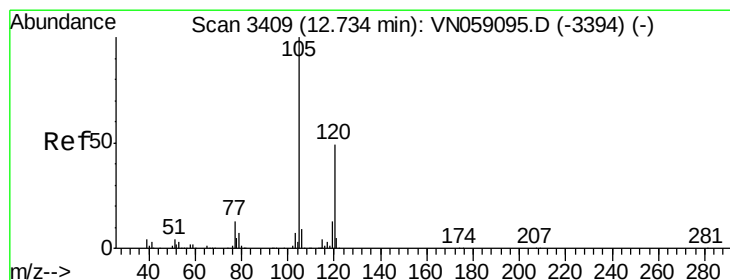
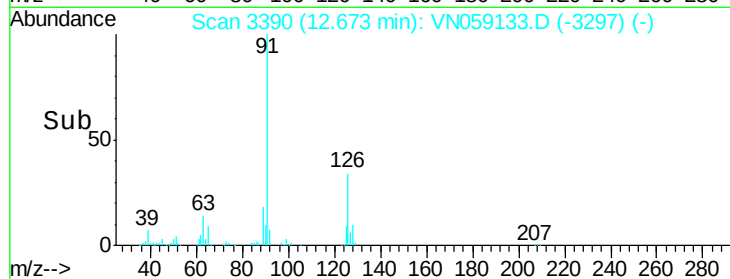
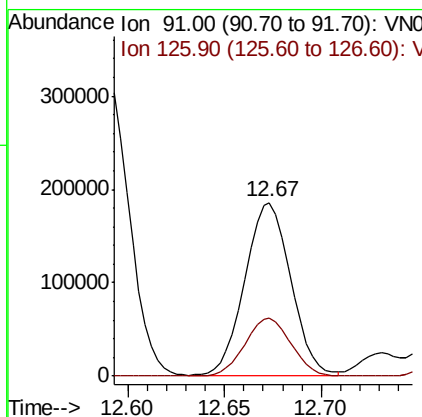
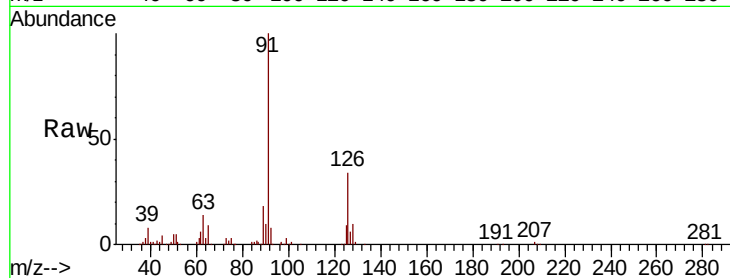
#79
 2-Chlorotoluene
 Concen: 20.031 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion: 91 Resp: 306705
 Ion Ratio Lower Upper
 91 100
 126 33.9 16.7 50.1

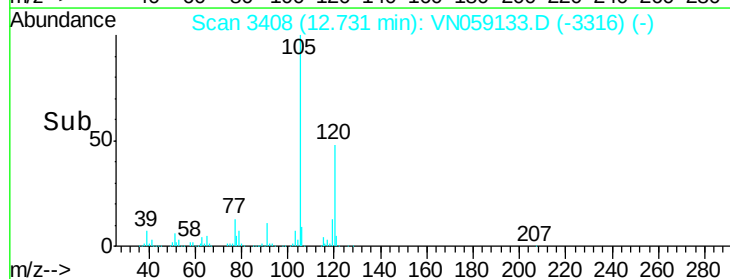
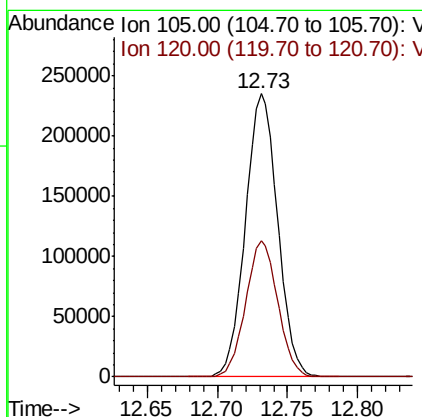
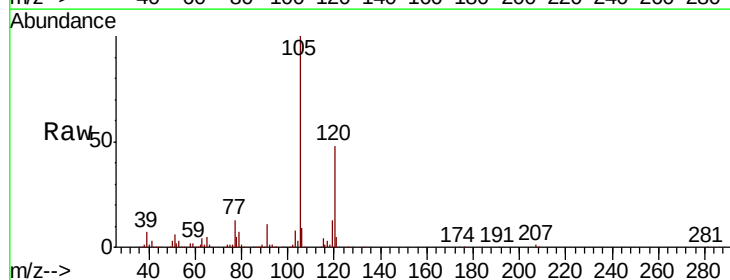
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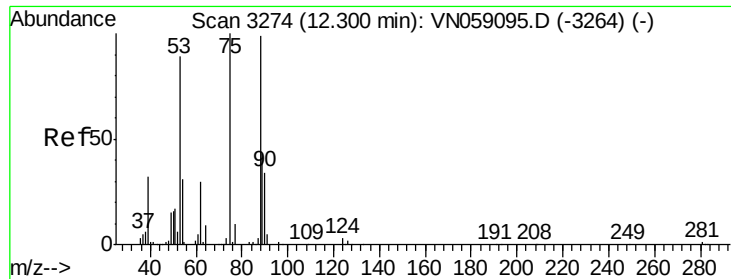
MMDadoda
 11/11/2019 10:45:48 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.597 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion: 105 Resp: 376227
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.0 72.0





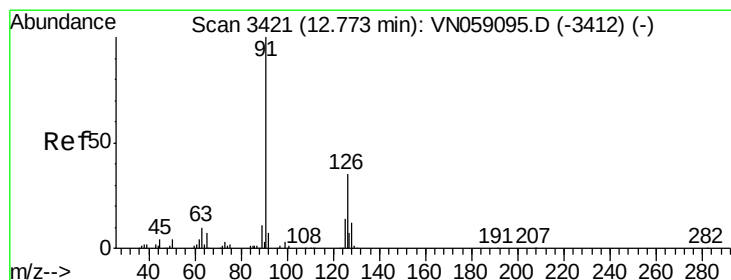
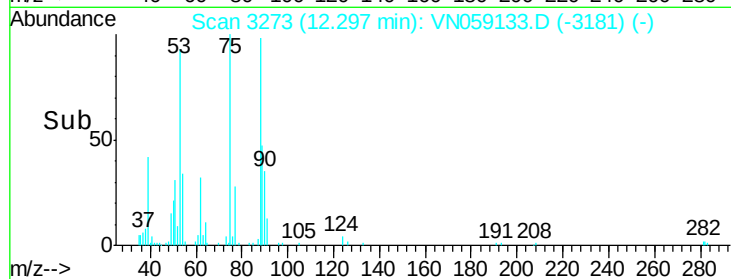
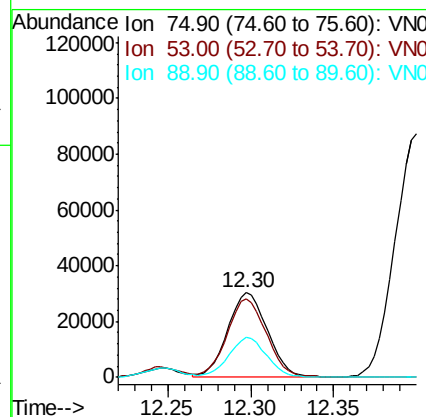
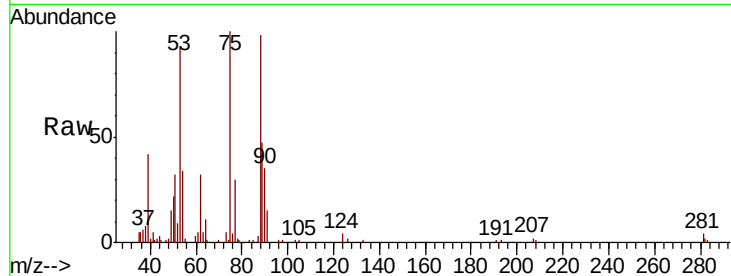
#81
trans-1,4-Dichloro-2-butene
Concen: 19.778 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	72.2	108.2
89	45.0	35.8	53.8

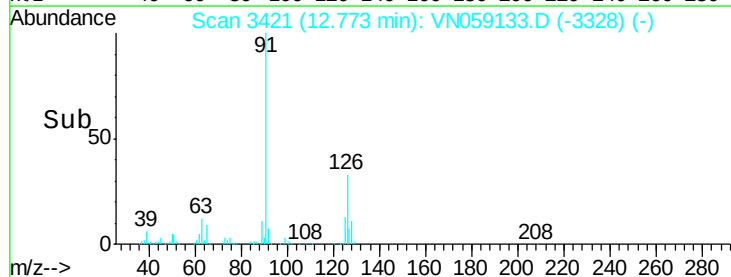
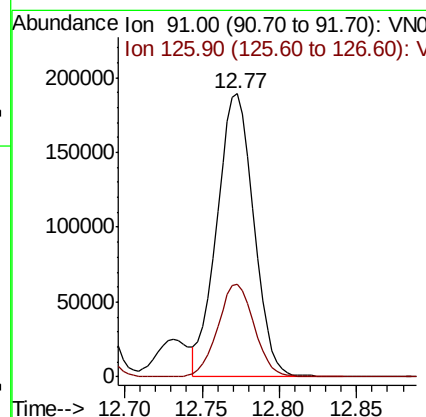
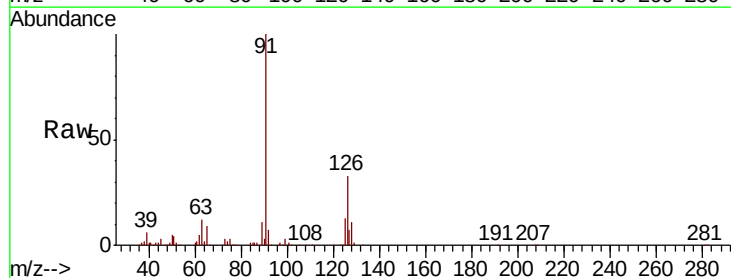
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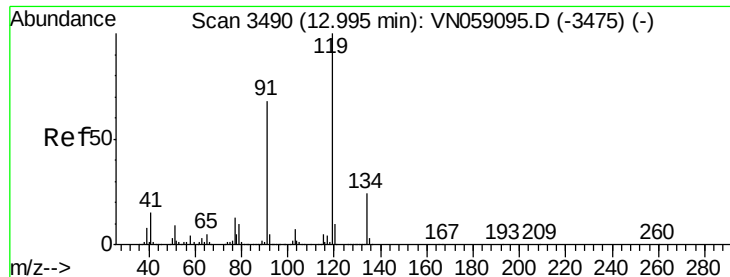
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#82
4-Chlorotoluene
Concen: 20.339 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





#83

tert-Butylbenzene

Concen: 20.285 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Instrument :

MSVOA_N

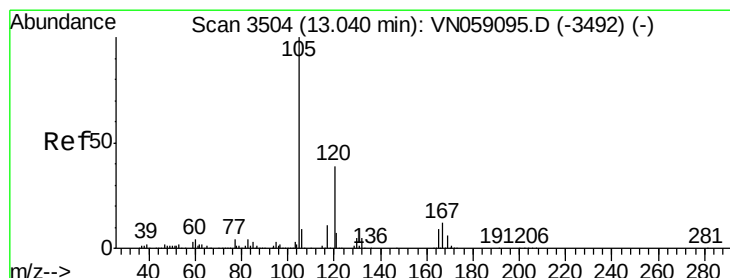
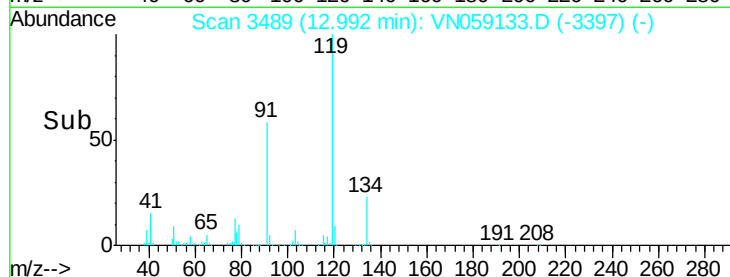
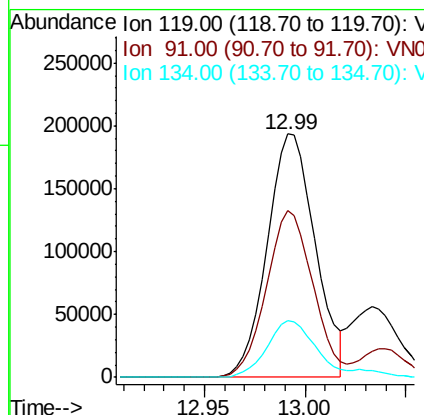
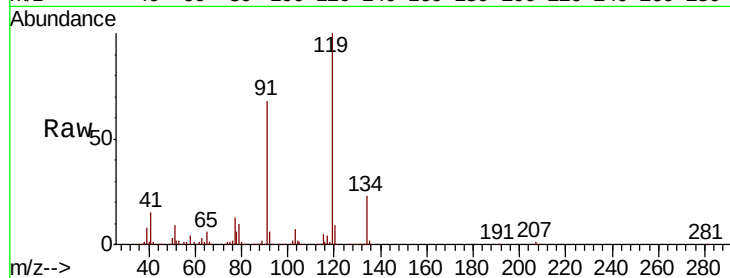
ClientSampleId :

VN1108MBS01

Tot Ion:	119	Resp:	319989
Ion Ratio	Lower	Upper	
119	100		
91	66.1	33.2	99.6
134	23.2	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 20.909 ug/l

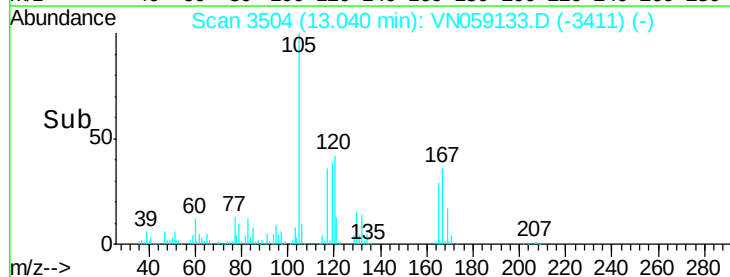
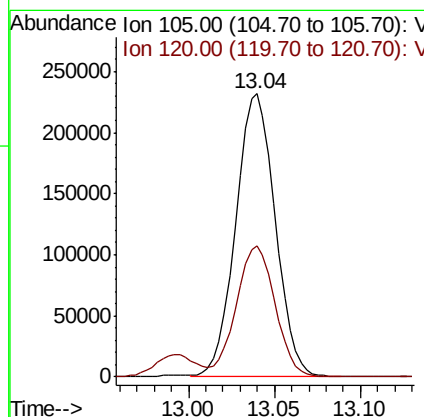
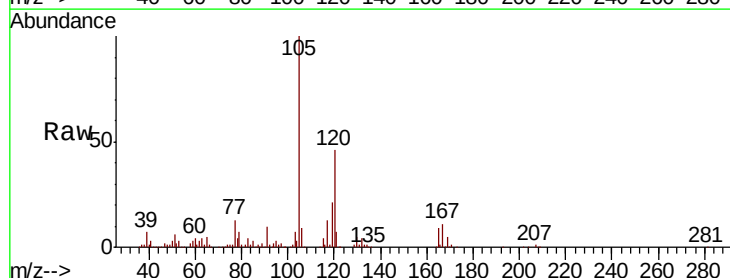
RT: 13.04 min Scan# 3504

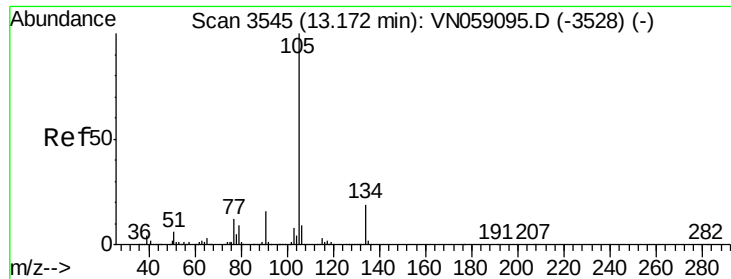
Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion:	105	Resp:	369515
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.8	68.4





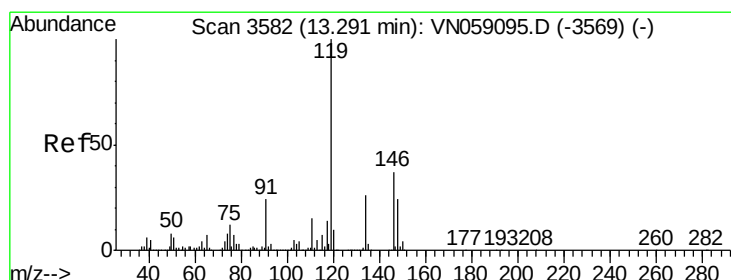
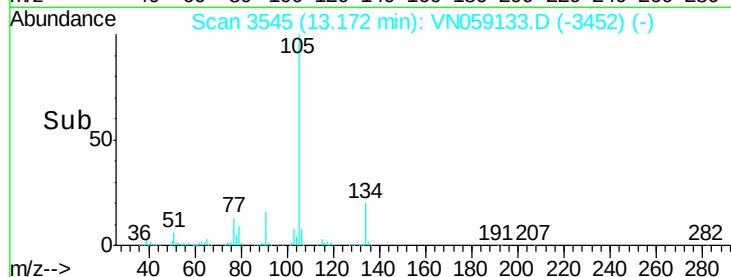
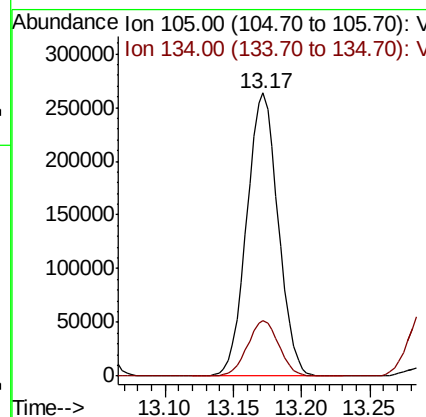
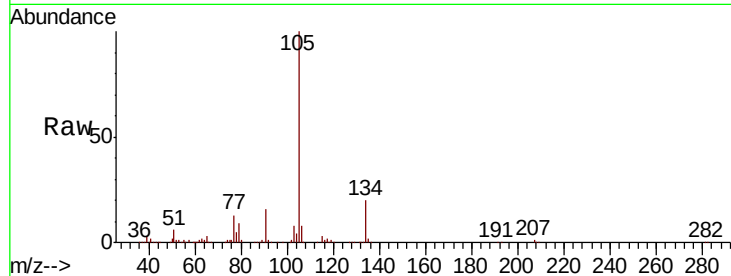
#85
 sec-Butylbenzene
 Concen: 20.459 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1

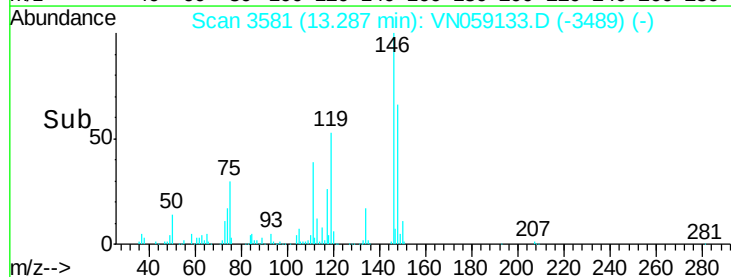
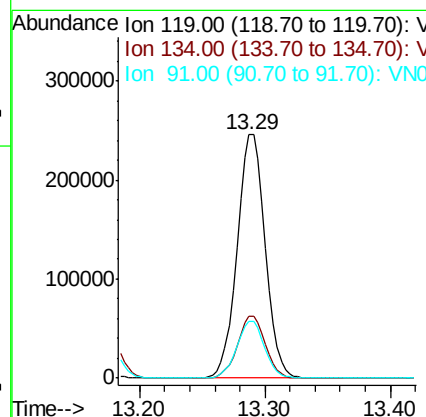
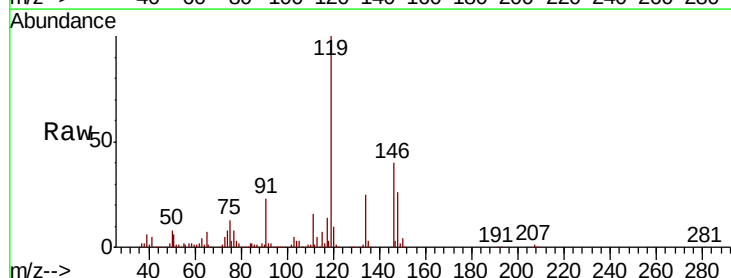
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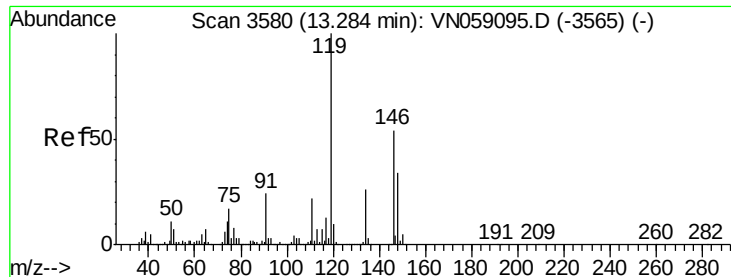
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 11/11/2019 10:45:48 AM



#86
 p-Isopropyltoluene
 Concen: 20.837 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	38.9
91	23.4	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 19.714 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059133.D

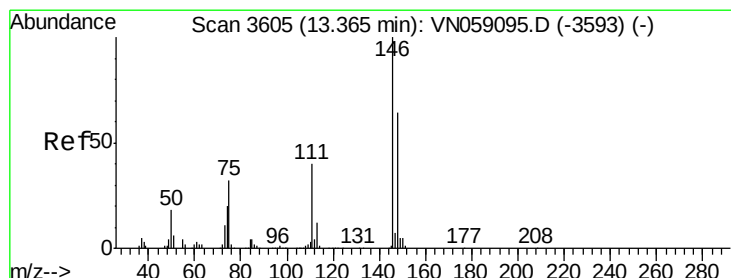
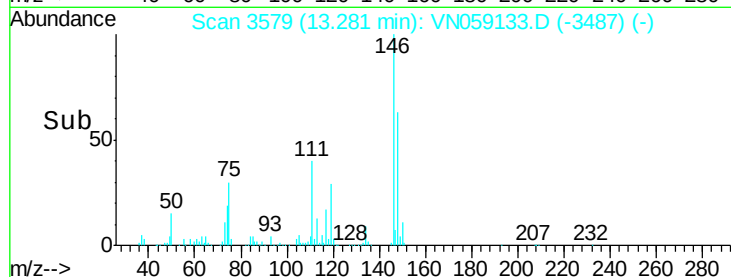
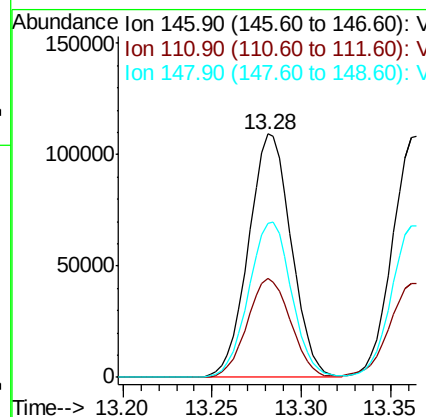
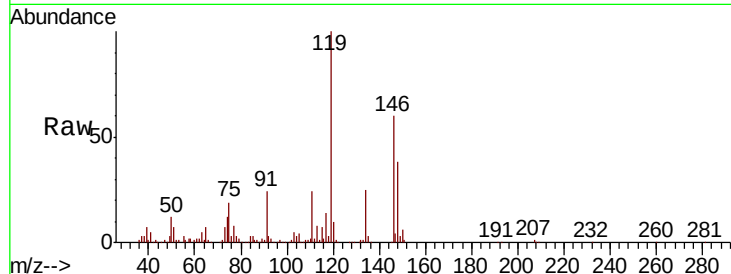
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	182838		
111	41.2	20.4	61.3	
148	64.0	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 19.499 ug/l

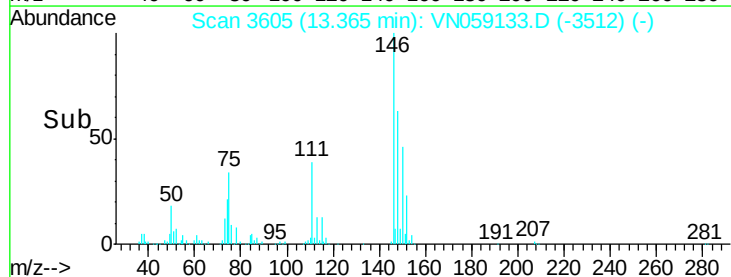
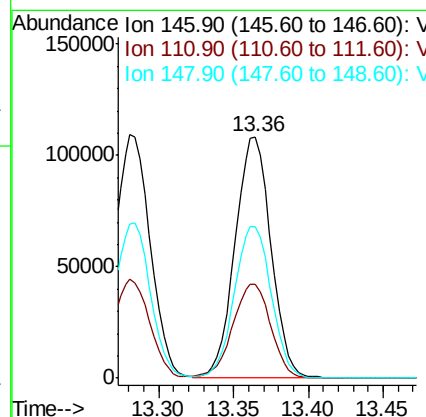
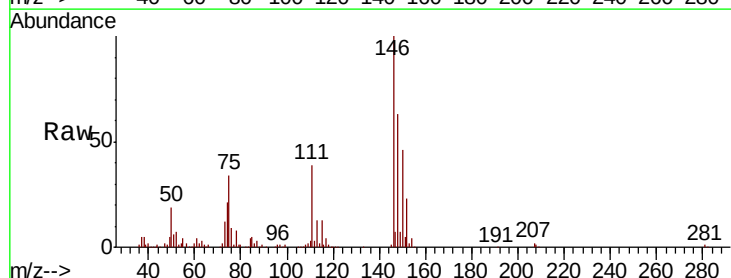
RT: 13.36 min Scan# 3605

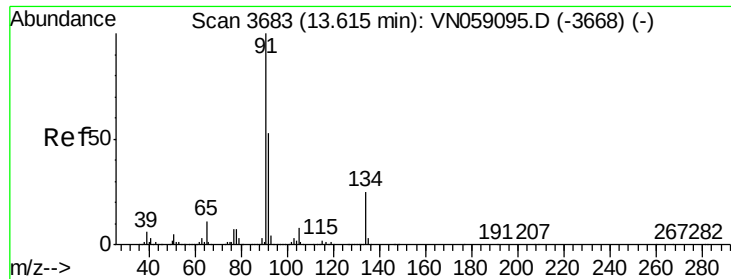
Delta R.T. -0.00 min

Lab File: VN059133.D

Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	180940		
111	41.5	20.3	60.9	
148	64.8	31.9	95.7	





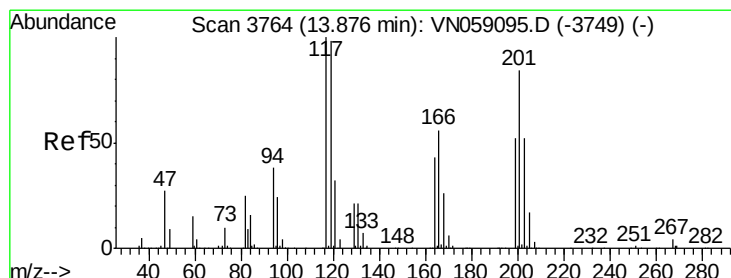
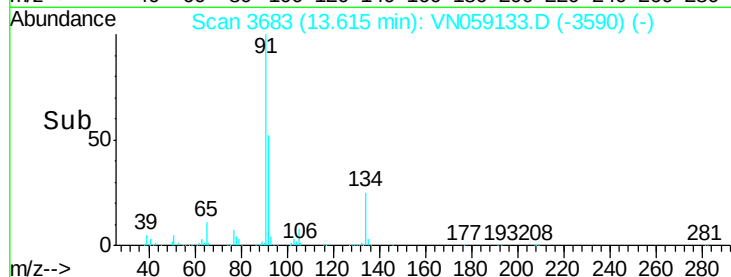
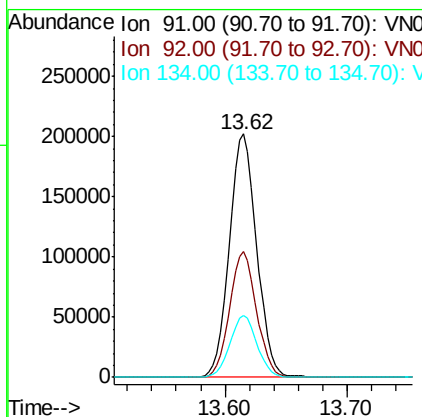
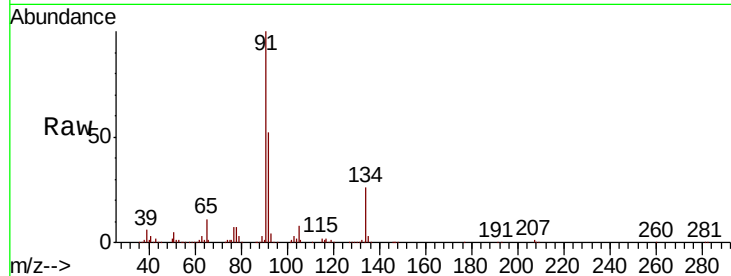
#89
n-Butylbenzene
Concen: 19.937 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.1	78.3
134	25.2	12.6	37.8

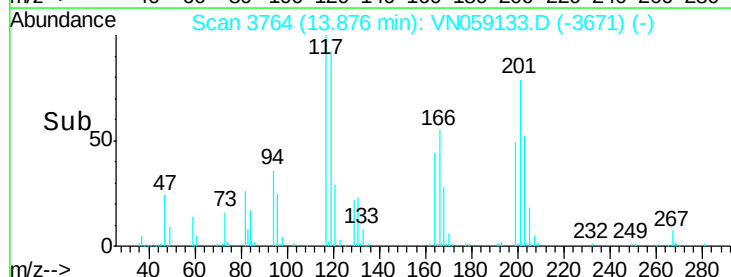
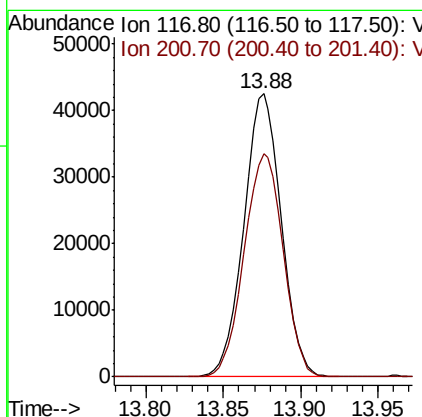
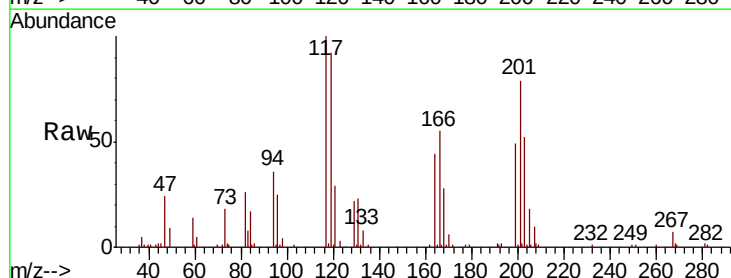
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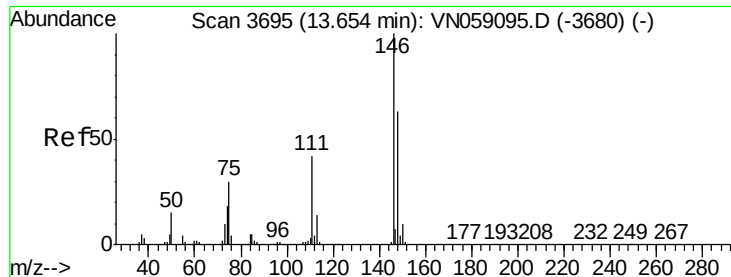
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#90
Hexachloroethane
Concen: 19.724 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	41.8	125.3





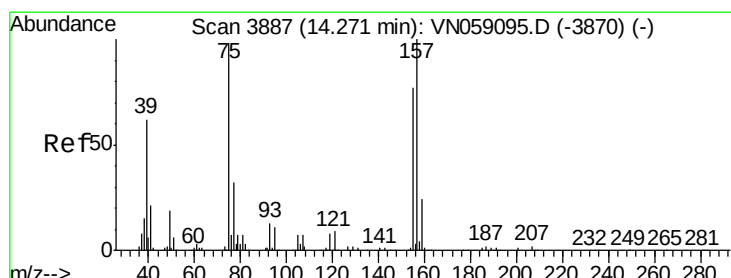
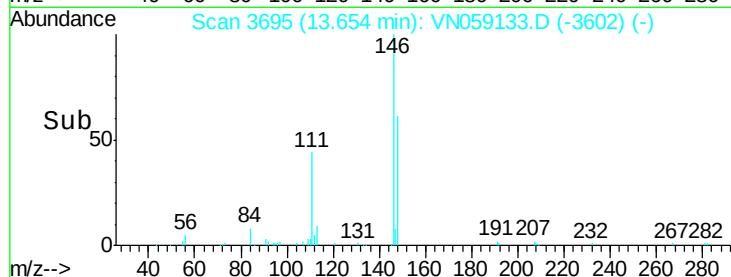
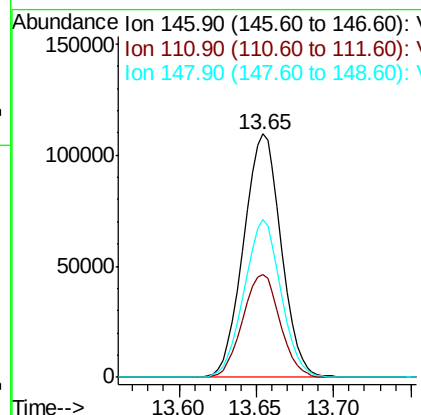
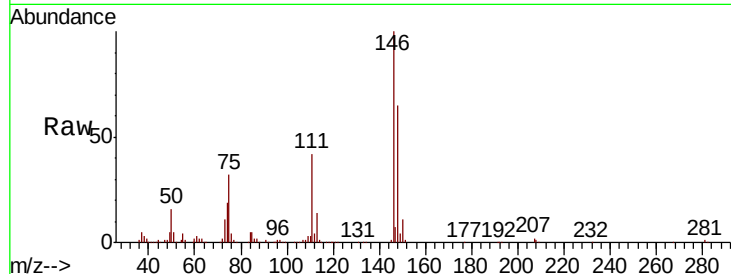
#91
 1,2-Dichlorobenzene
 Concen: 20.326 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.2	63.6
148	63.5	31.6	94.7

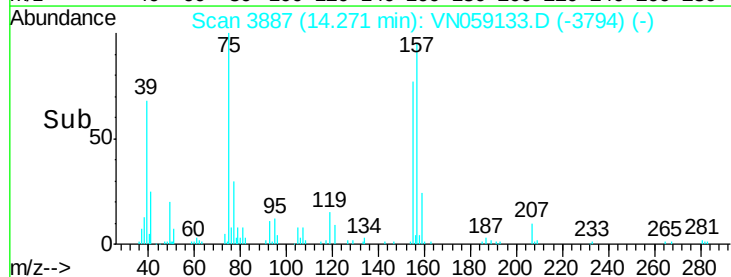
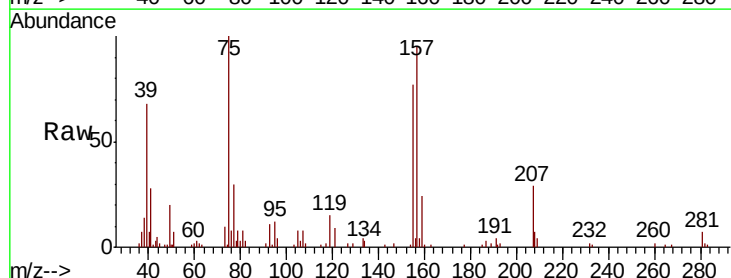
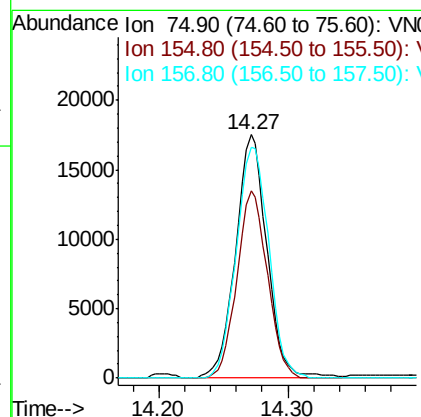
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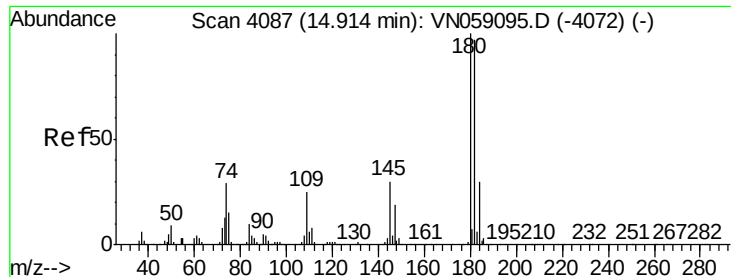
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.274 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059133.D
 Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	40.2	120.6
157	98.3	51.8	155.5





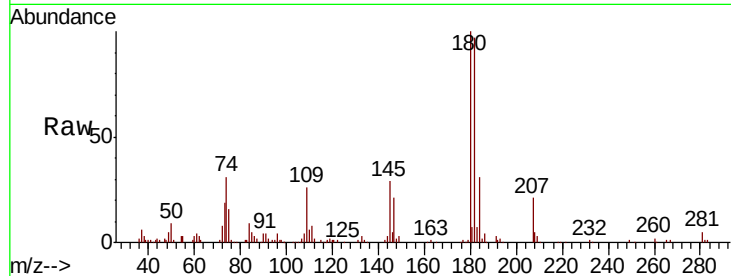
#93
1,2,4-Trichlorobenzene
Concen: 18.641 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

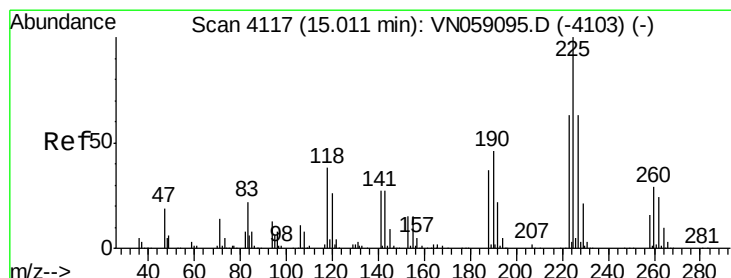
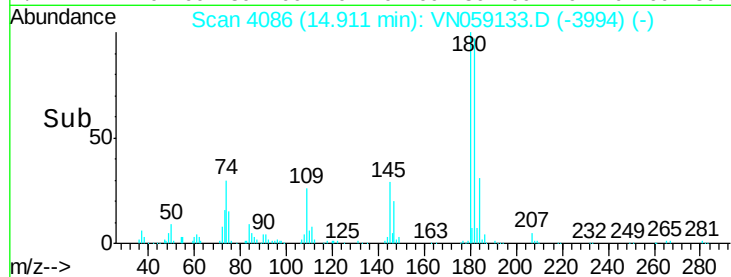
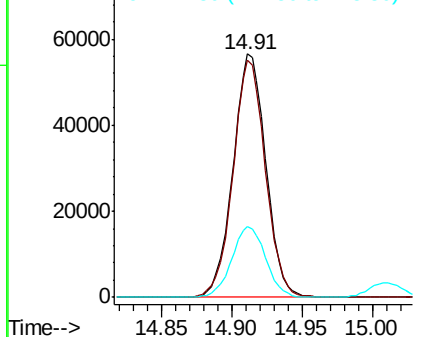
Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.2	48.1	144.3
145	30.1	15.1	45.3

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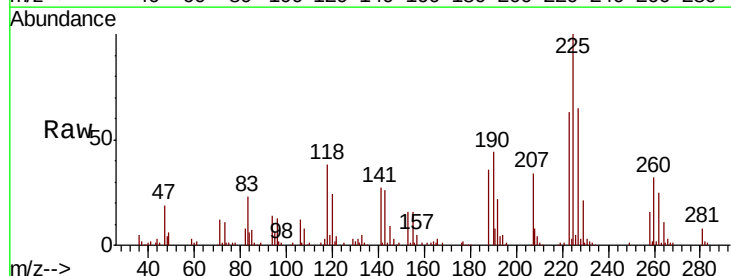


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

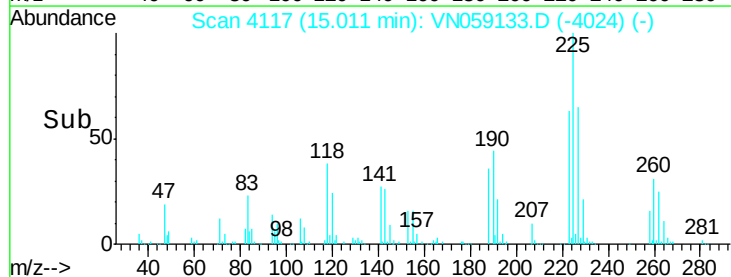
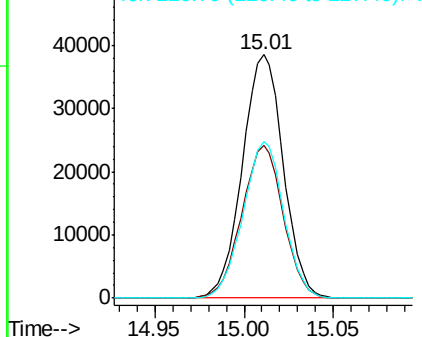


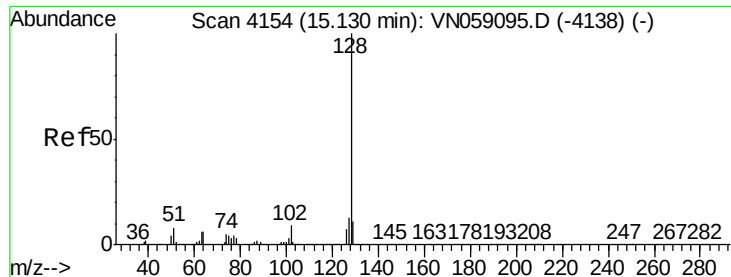
#94
Hexachlorobutadiene
Concen: 19.602 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	63.4	31.3	93.9
227	63.9	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





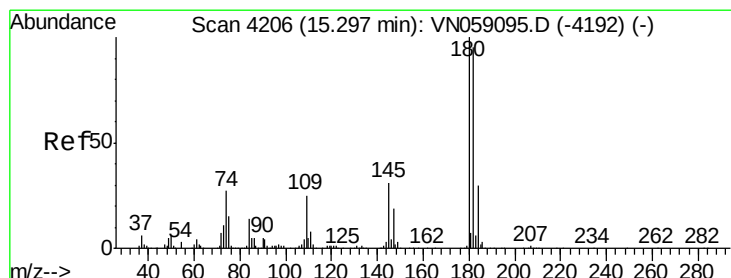
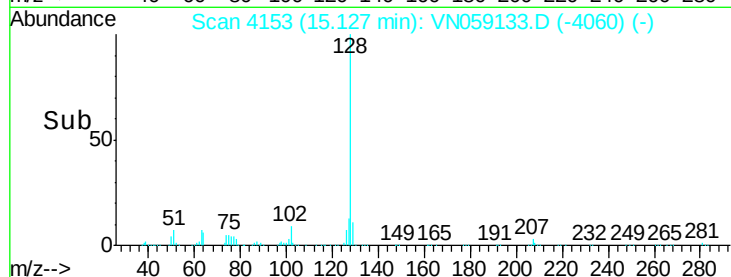
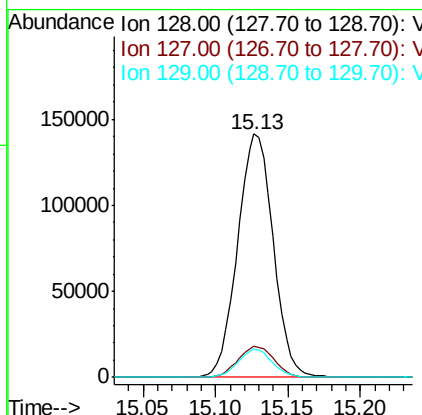
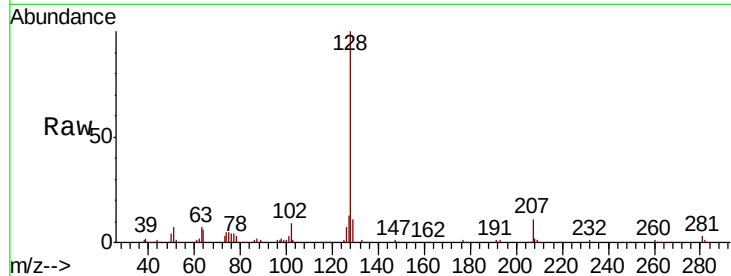
#95
Naphthalene
Concen: 17.818 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/11/2019 10:45:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.528 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN059133.D
Acq: 8 Nov 2019 10:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	141.8
145	33.0	15.8	47.3

