

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102319\
 Data File : VN058911.D
 Acq On : 22 Oct 2019 16:08
 Operator : JC/SP
 Sample : VN1023WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1023WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2019 3:09:53 PM

Quant Time: Oct 23 02:20:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	57219	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	304630	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	284778	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	148428	30.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.87%
60) 4-Bromofluorobenzene	12.40	95	141749	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.08	98	408018	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	65801	21.225	ug/l	99
3) Chloromethane	2.04	50	85939	20.752	ug/l	98
4) Vinyl Chloride	2.17	62	88913	20.774	ug/l	97
5) Bromomethane	2.54	94	57089	21.604	ug/l	99
6) Chloroethane	2.68	64	59594	22.151	ug/l	100
7) Trichlorofluoromethane	3.00	101	107842	20.471	ug/l	97
8) Diethyl Ether	3.39	74	41130	20.470	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	64173	21.053	ug/l	98
10) 1,1-Dichloroethene	3.72	96	59470	19.864	ug/l	99
11) Methyl Iodide	3.93	142	81139	19.461	ug/l	99
12) Methyl Acetate	4.30	43	97993	20.458	ug/l	97
13) Acrolein	3.59	56	53393	100.886	ug/l	95
14) Acrylonitrile	4.96	53	188557	99.906	ug/l	98
15) Acetone	3.80	58	64572	115.259	ug/l	88
16) Carbon Disulfide	4.03	76	174475	19.981	ug/l	100
17) Allyl chloride	4.30	41	119644	20.079	ug/l	95
18) Methylene Chloride	4.53	84	73434	20.256	ug/l	95
19) trans-1,2-Dichloroethene	5.02	96	65317	20.041	ug/l	91
20) Diisopropyl ether	5.93	45	249505	20.551	ug/l	97
21) 1,1-Dichloroethane	5.82	63	139826	20.799	ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	77725	20.001	ug/l	97
23) tert-Butyl Alcohol	4.76	59	64478	83.524	ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	219341	19.639	ug/l	97
25) Chloroform	7.35	83	138514	20.659	ug/l	100
26) Cyclohexane	7.63	56	115241	19.530	ug/l #	97
29) 1,1-Dichloropropene	7.77	75	99270	20.701	ug/l	99
30) 2-Butanone	6.81	43	272823	100.679	ug/l	99
31) 2,2-Dichloropropane	6.80	77	122229	21.626	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	119673	21.577	ug/l	99
33) Carbon Tetrachloride	7.76	117	103421	21.543	ug/l	99
34) Benzene	8.02	78	299566	21.220	ug/l	97
35) Methacrylonitrile	7.16	41	46526	19.436	ug/l	93
36) 1,2-Dichloroethane	8.11	62	117097	21.694	ug/l	100
37) Trichloroethene	8.82	130	70734	20.395	ug/l	99
38) Methylcyclohexane	9.07	83	106621	19.177	ug/l	97
39) 1,2-Dichloropropane	9.11	63	81690	21.174	ug/l	98
40) Dibromomethane	9.20	93	52608	21.600	ug/l	98

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Manual Integrations
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Quant Time: Oct 23 02:20:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	107510	21.607	ug/l	96
42) Vinyl Acetate	5.87	43	1024813	107.984	ug/l	99
43) Ethyl Acetate	6.91	43	108171	20.338	ug/l	98
44) Isopropyl Acetate	8.15	43	174803	20.290	ug/l #	87
45) 1,4-Dioxane	9.19	88	22426	338.995	ug/l	92
46) Methyl methacrylate	9.19	41	77852	19.684	ug/l	99
47) n-amyl Acetate	12.07	43	143980	18.852	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	117831	20.419	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	126365	20.854	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	73478	21.133	ug/l	94
51) Ethyl methacrylate	10.43	69	106686	19.189	ug/l	97
52) 1,3-Dichloropropane	10.70	76	129142	20.856	ug/l	99
53) Dibromochloromethane	10.90	129	79149	21.212	ug/l	99
54) 1,2-Dibromoethane	11.00	107	74470	20.664	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	258017	93.298	ug/l	99
56) Bromoform	12.13	173	54154	20.834	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	541078	104.152	ug/l	98
59) 2-Hexanone	10.75	43	400979	98.453	ug/l	98
61) Tetrachloroethene	10.63	164	64357	20.913	ug/l	97
62) Toluene	10.15	91	316397	20.655	ug/l	99
64) Chlorobenzene	11.43	112	188057	20.080	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	72794	20.729	ug/l	98
66) Ethyl Benzene	11.51	91	338353	19.948	ug/l	99
67) m/p-Xylenes	11.62	106	248927	39.281	ug/l	98
68) o-Xylene	11.95	106	120620	19.634	ug/l	100
69) Styrene	11.97	104	192967	19.013	ug/l	99
70) Isopropylbenzene	12.25	105	326129	19.663	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	112679	20.180	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	108156m	21.376	ug/l	
73) Bromobenzene	12.53	156	80373	19.950	ug/l	99
74) n-propylbenzene	12.59	91	391152	20.148	ug/l	100
75) 2-Chlorotoluene	12.68	91	232990	19.947	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	280499	19.745	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36738	19.060	ug/l	96
78) 4-Chlorotoluene	12.78	91	240879	20.008	ug/l	100
79) tert-butylbenzene	13.00	119	234390	19.312	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	280534	19.873	ug/l	100
81) sec-Butylbenzene	13.17	105	319249	19.545	ug/l	100
82) p-Isopropyltoluene	13.29	119	283230	19.310	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	142648	19.568	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	136291	18.717	ug/l	99
85) n-Butylbenzene	13.62	91	249728	18.597	ug/l	99
86) Hexachloroethane	13.88	117	53437	20.019	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	141420	19.651	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23213	18.678	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	74594	16.415	ug/l	97
90) Hexachlorobutadiene	15.01	225	42902	18.283	ug/l	98
91) Naphthalene	15.13	128	206236	15.371	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	75255	17.012	ug/l	97

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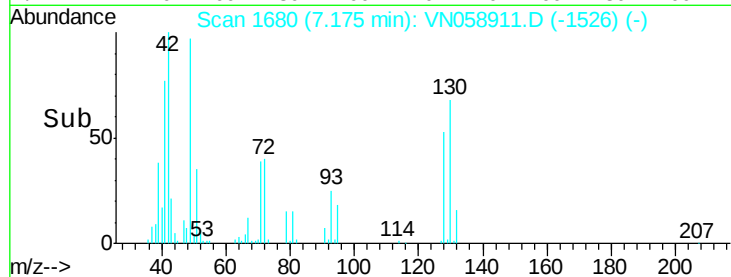
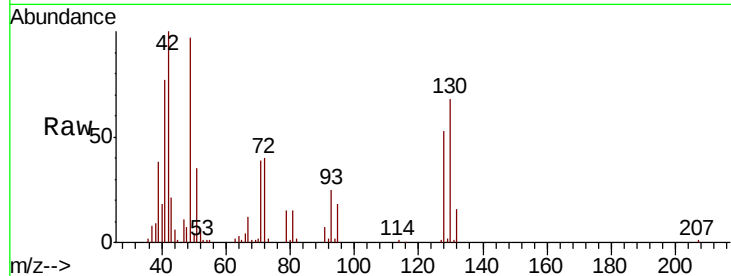
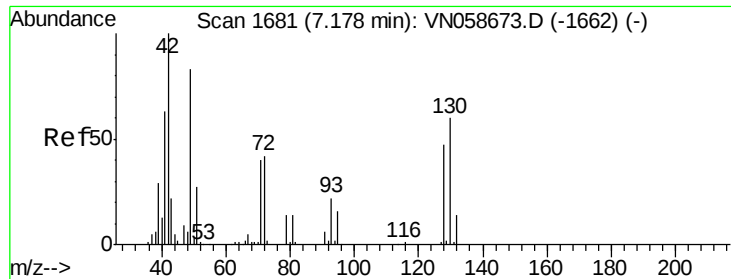
Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058911.D

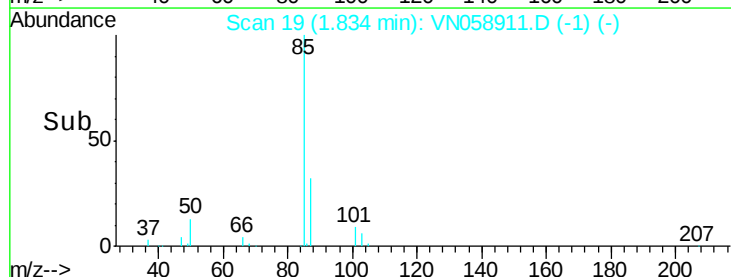
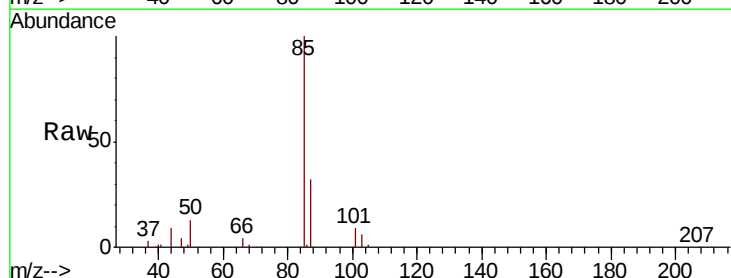
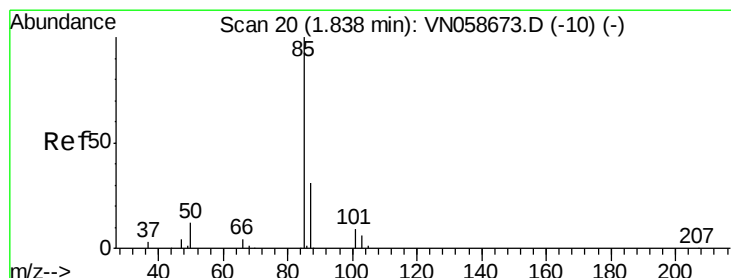
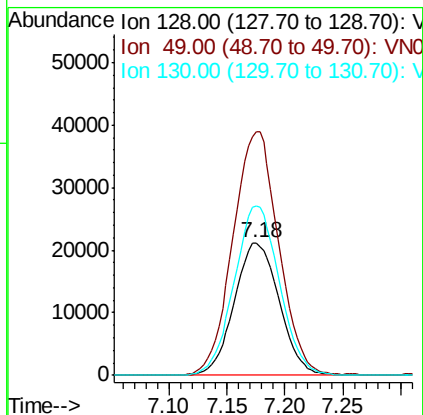
Acq: 22 Oct 2019 16:08

Tot Ion:	128	Resp:	57219
Ion	Ratio	Lower	Upper
128	100		
49	186.6	0.0	453.5
130	128.3	0.0	314.2

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#2

Dichlorodifluoromethane

Concen: 21.225 ug/l

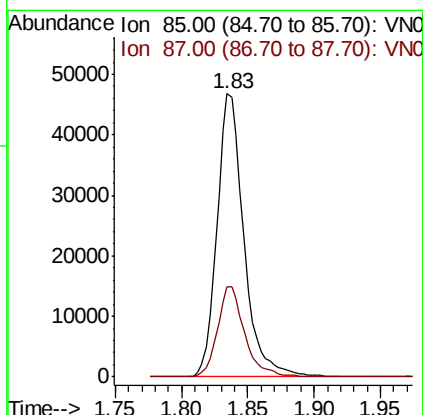
RT: 1.83 min Scan# 19

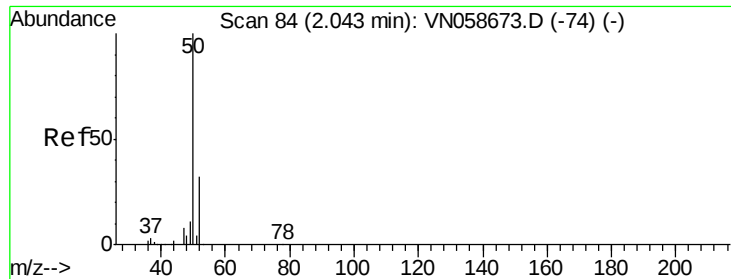
Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Tgt Ion:	85	Resp:	65801
Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.7	47.0





#3

Chloromethane

Concen: 20.752 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 50 Resp: 85939

Ion Ratio Lower Upper

50 100

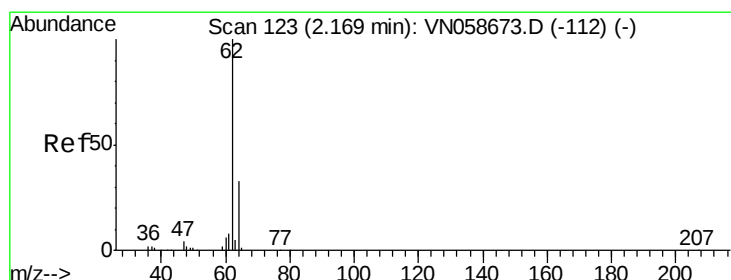
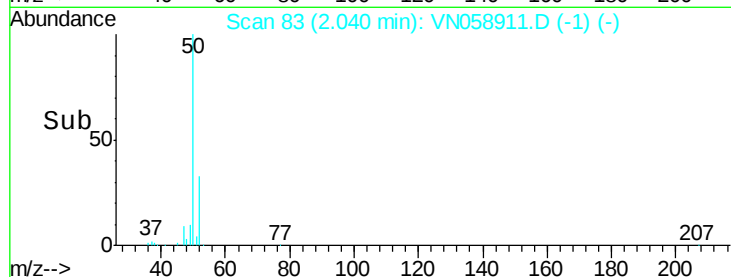
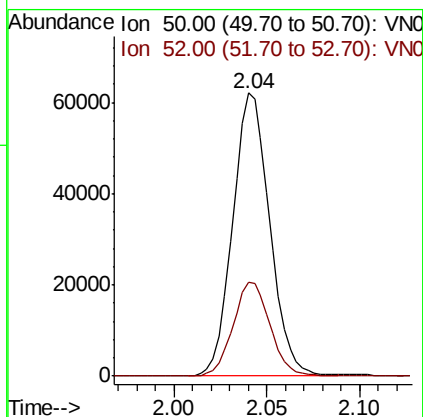
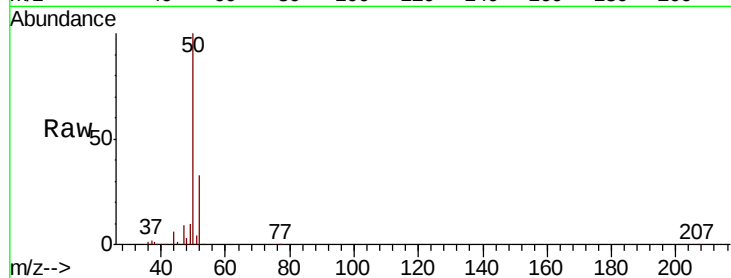
52 33.3 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.774 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058911.D

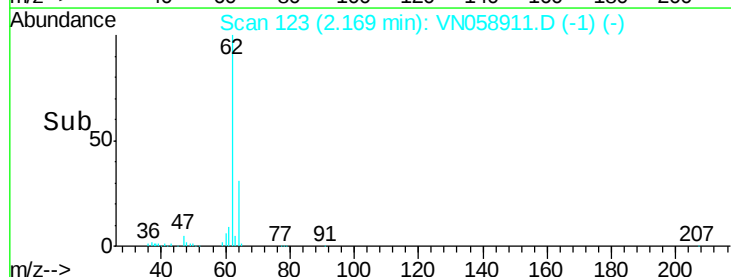
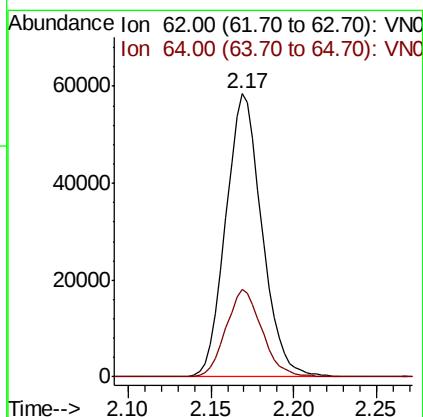
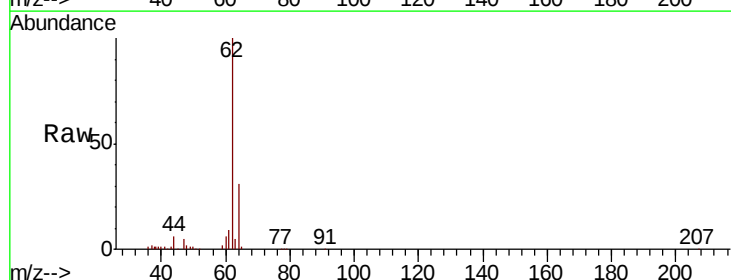
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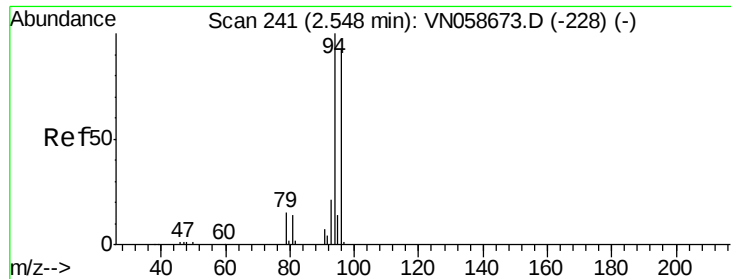
Tgt Ion: 62 Resp: 88913

Ion Ratio Lower Upper

62 100

64 30.8 26.1 39.1





#5

Bromomethane

Concen: 21.604 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 94 Resp: 57089

Ion Ratio Lower Upper

94 100

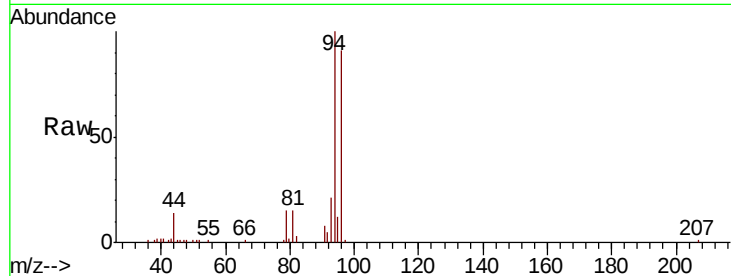
96 91.0 73.7 110.5

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN058673.D (-228) (-)

Ion 96.00 (95.70 to 96.70): VN058673.D (-228) (-)

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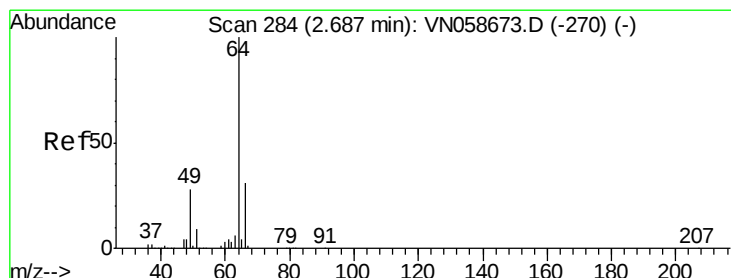
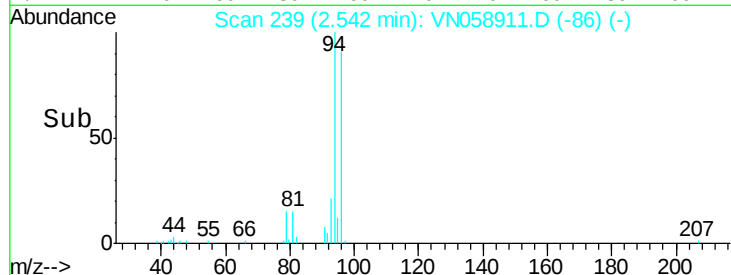
2.54

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#6

Chloroethane

Concen: 22.151 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058911.D

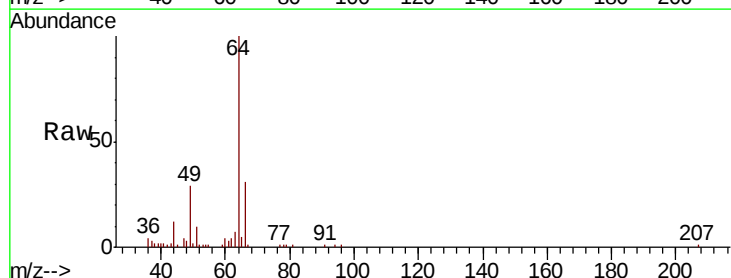
Acq: 22 Oct 2019 16:08

Tgt Ion: 64 Resp: 59594

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN058673.D (-270) (-)

Ion 66.00 (65.70 to 66.70): VN058673.D (-270) (-)

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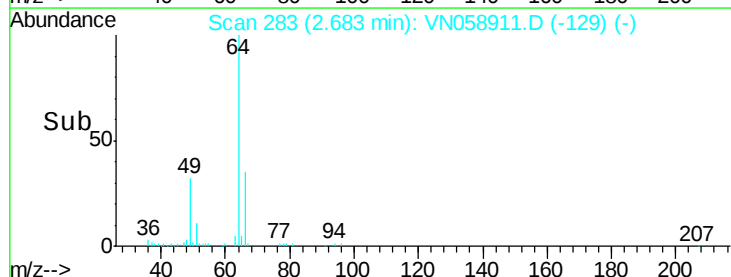
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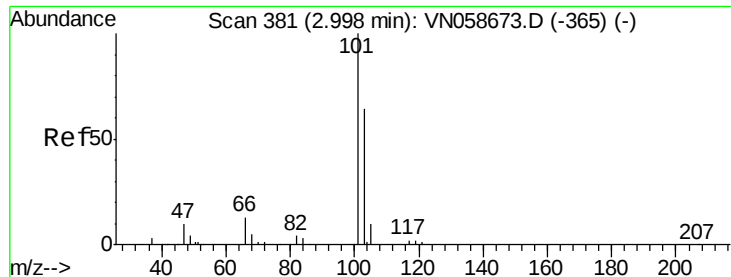
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#7

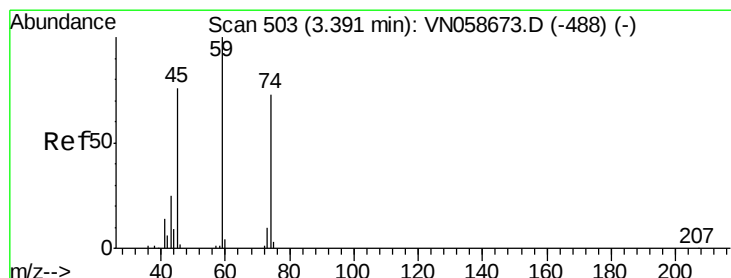
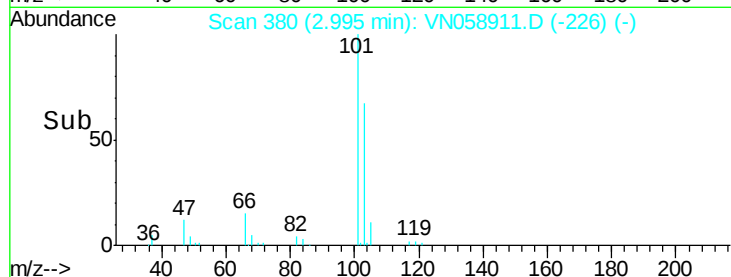
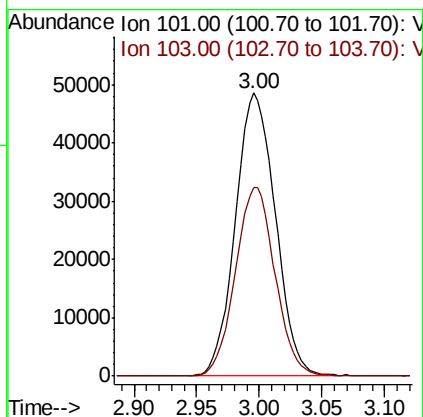
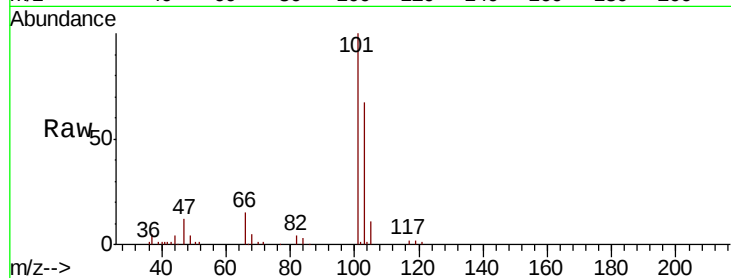
Trichlorofluoromethane
 Concen: 20.471 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		107842		
103	66.8	51.5	77.3		

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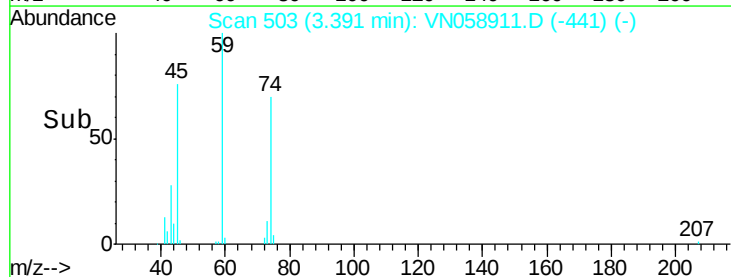
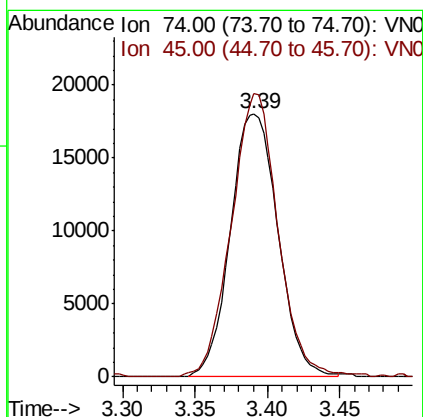
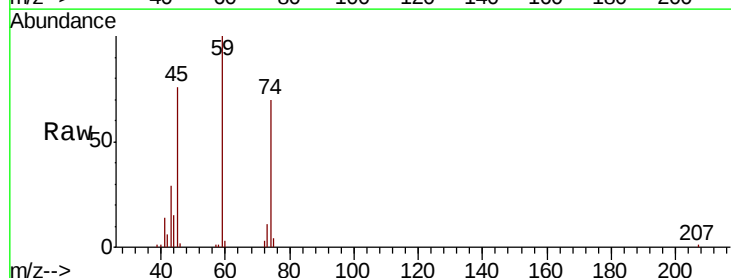
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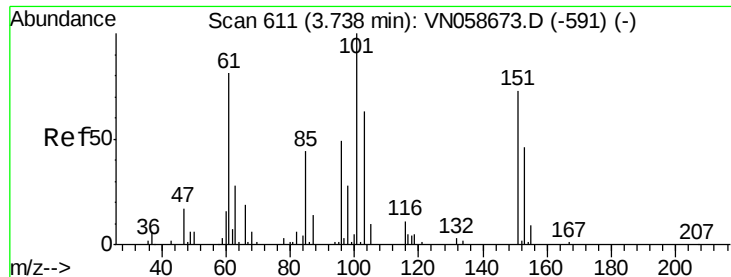


#8

Diethyl Ether
 Concen: 20.470 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		41130		
45	105.3	20.6	185.8		





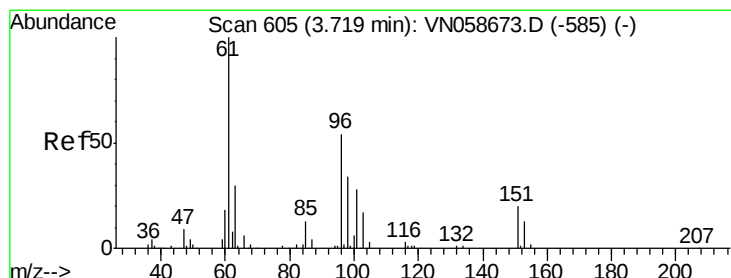
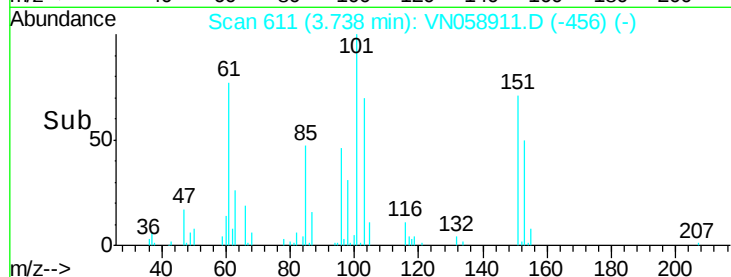
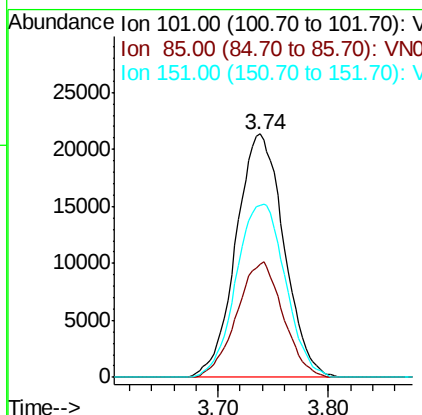
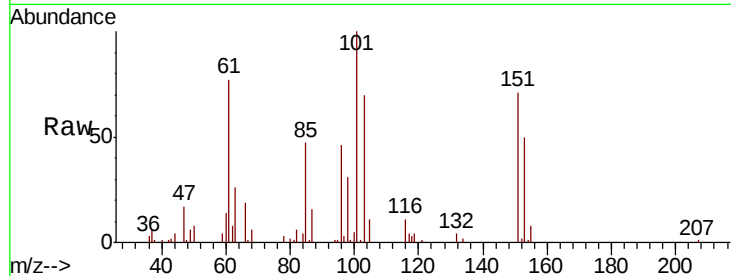
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.053 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	64173		
85	45.9	0.0	93.8	
151	73.3	0.0	149.6	

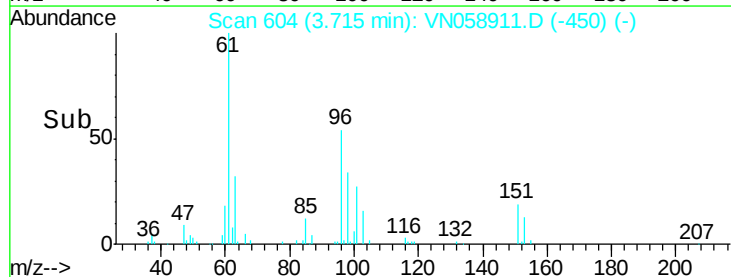
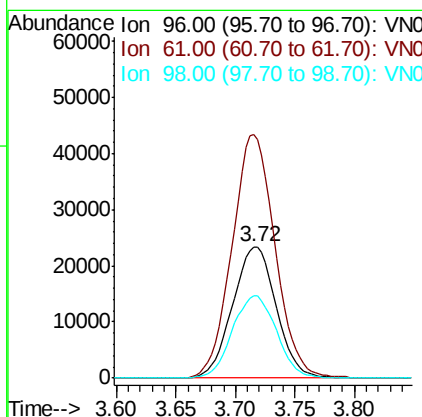
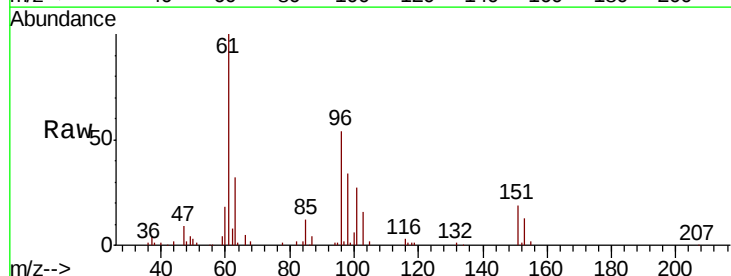
Manual Integrations
 APPROVED

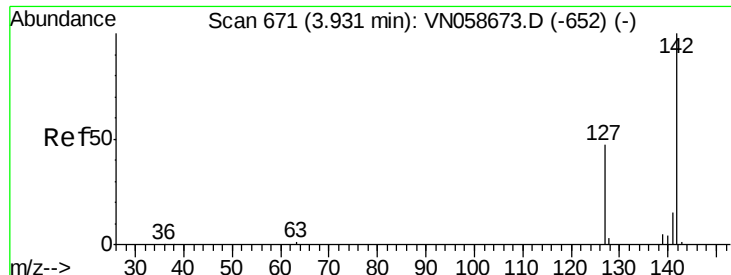
MMDadoda
 10/23/2019 3:09:53 PM



#10
 1,1-Dichloroethene
 Concen: 19.864 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	59470		
61	184.6	148.5	222.7	
98	63.0	51.0	76.6	





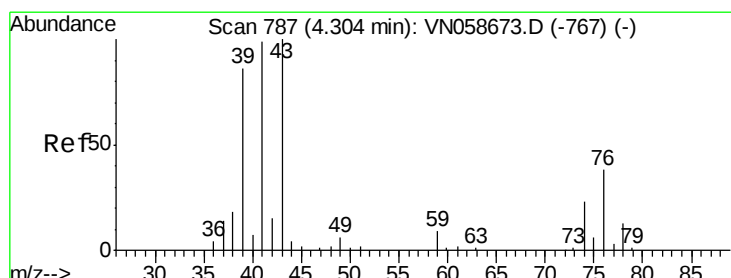
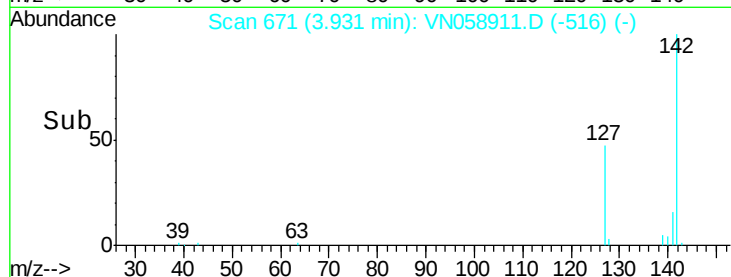
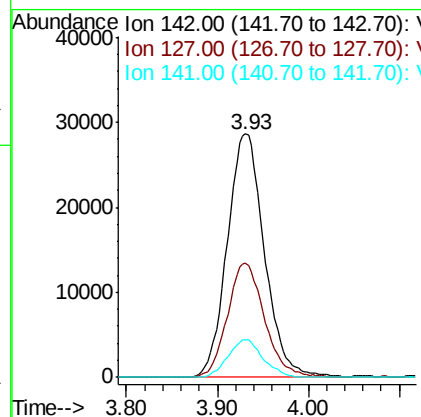
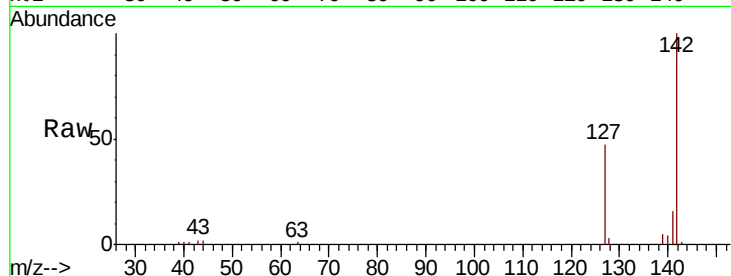
#11
Methyl Iodide
Concen: 19.461 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.8	23.5	70.6
141	15.7	7.4	22.2

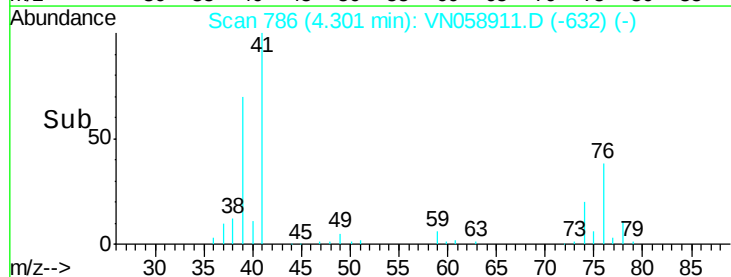
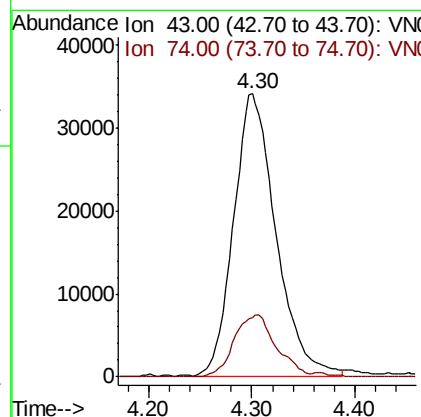
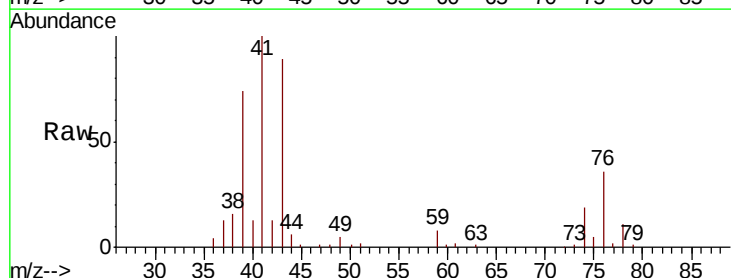
Manual Integrations
APPROVED

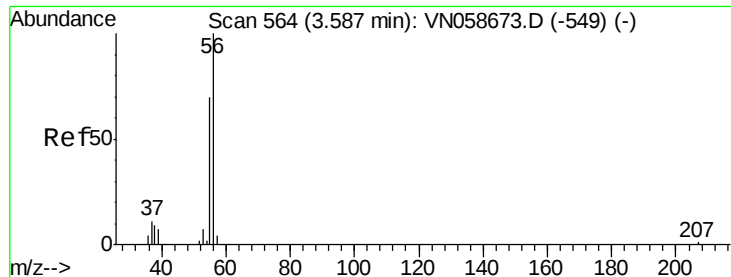
MMDadoda
10/23/2019 3:09:53 PM



#12
Methyl Acetate
Concen: 20.458 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	18.1	27.1





#13

Acrolein

Concen: 100.886 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 56 Resp: 53393

Ion Ratio Lower Upper

56 100

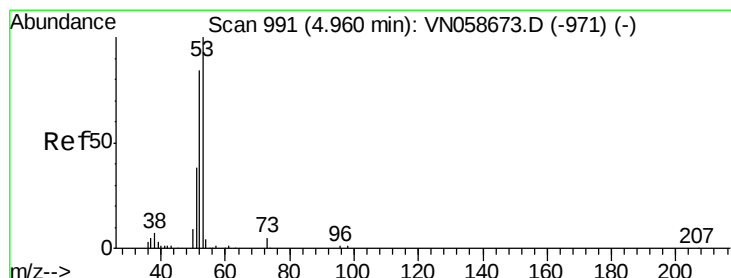
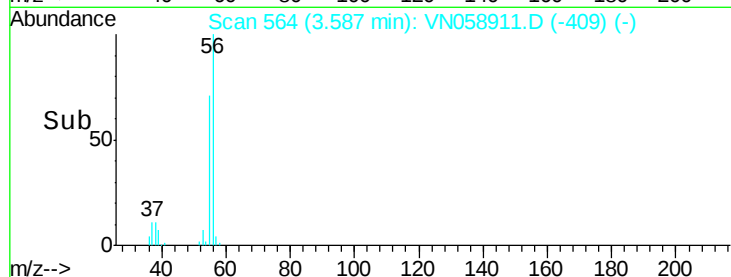
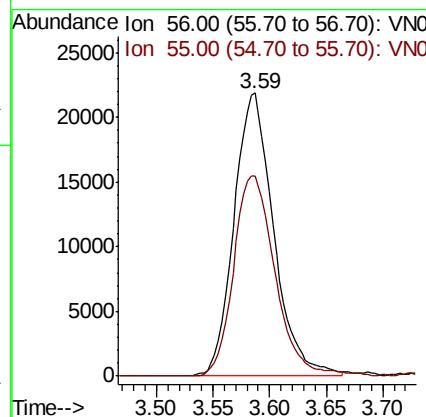
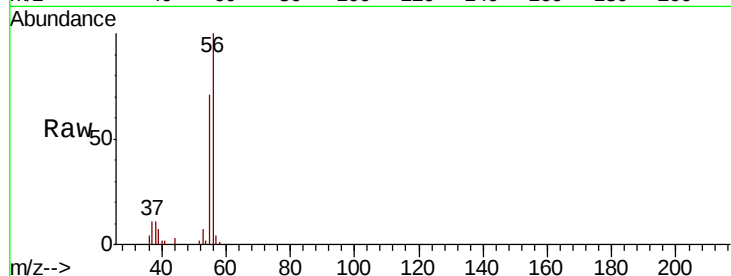
55 73.6 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

10/23/2019 3:09:53 PM



#14

Acrylonitrile

Concen: 99.906 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

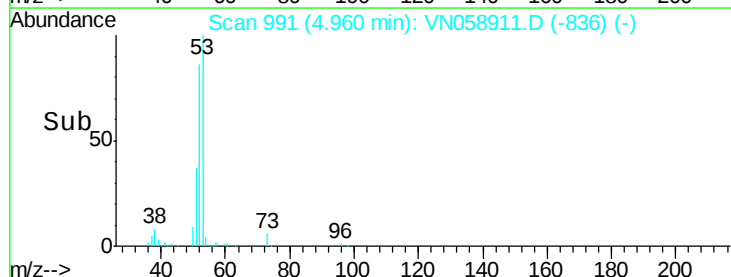
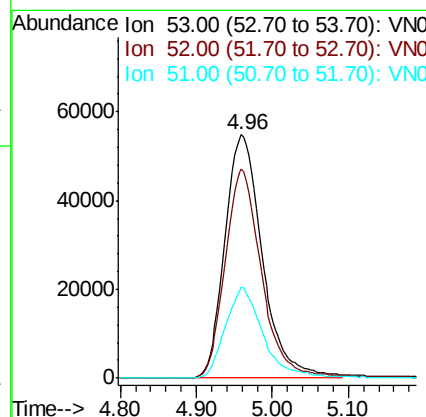
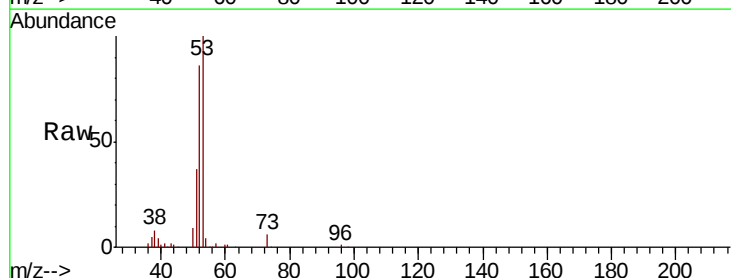
Tgt Ion: 53 Resp: 188557

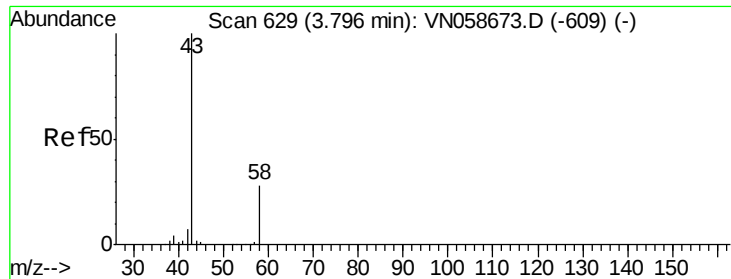
Ion Ratio Lower Upper

53 100

52 82.6 42.2 126.6

51 37.1 18.8 56.4





#15

Acetone

Concen: 115.259 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 58 Resp: 64572

Ion Ratio Lower Upper

58 100

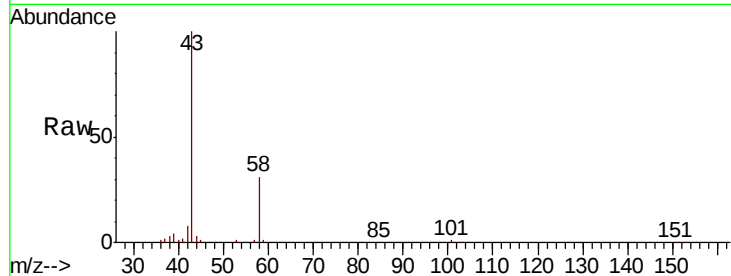
43 325.1 281.7 422.5

Manual Integrations

APPROVED

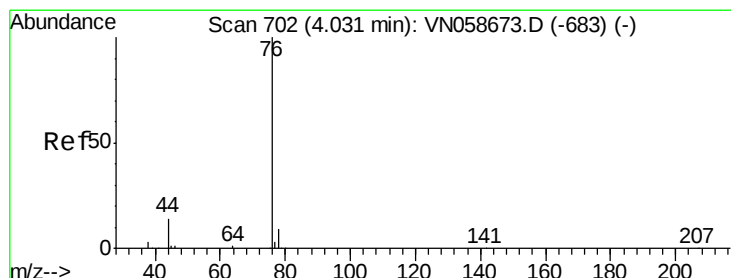
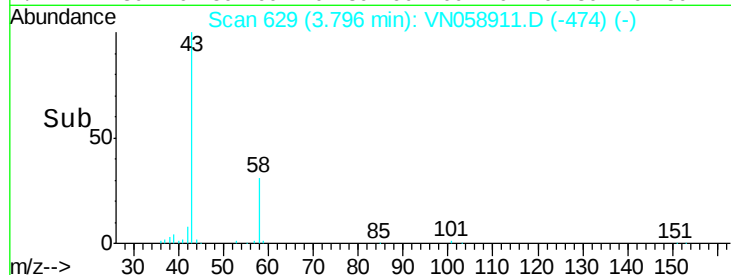
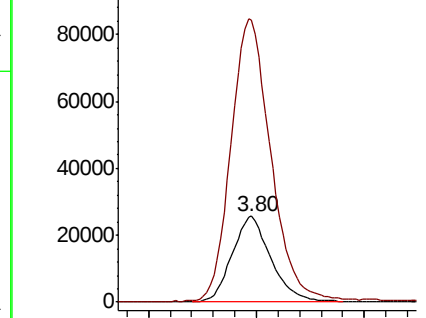
MMDadoda

10/23/2019 3:09:53 PM



Abundance Ion 58.00 (57.70 to 58.70): VN058911.D (-474) (-)

Ion 43.00 (42.70 to 43.70): VN058911.D (-474) (-)



#16

Carbon Disulfide

Concen: 19.981 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058911.D

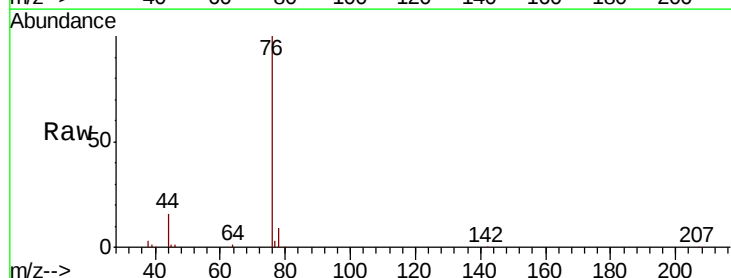
Acq: 22 Oct 2019 16:08

Tgt Ion: 76 Resp: 174475

Ion Ratio Lower Upper

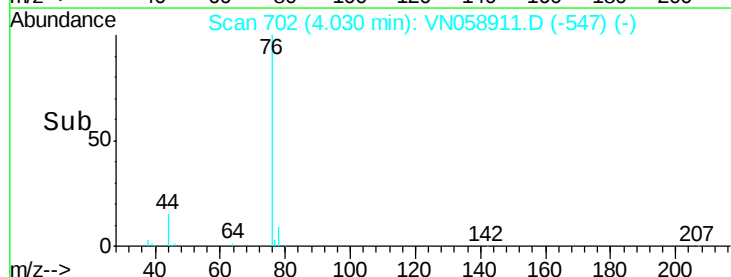
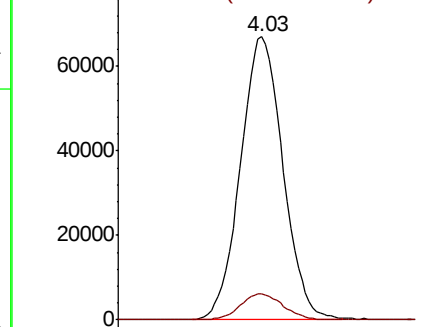
76 100

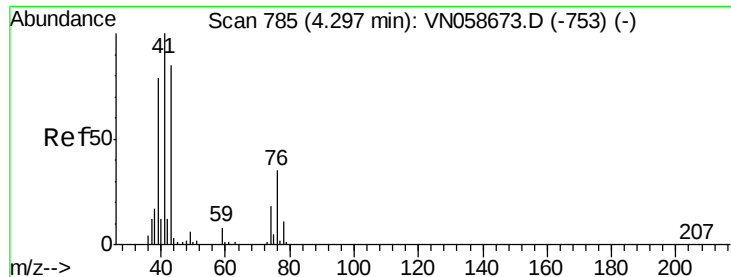
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058911.D (-547) (-)

Ion 78.00 (77.70 to 78.70): VN058911.D (-547) (-)





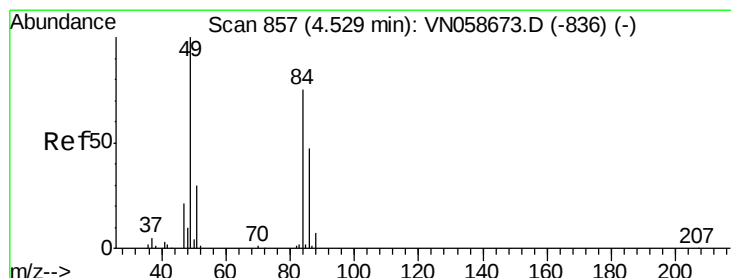
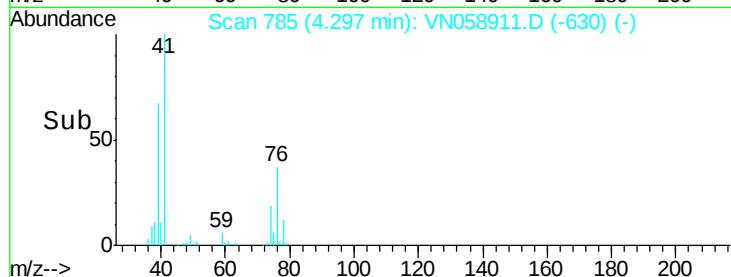
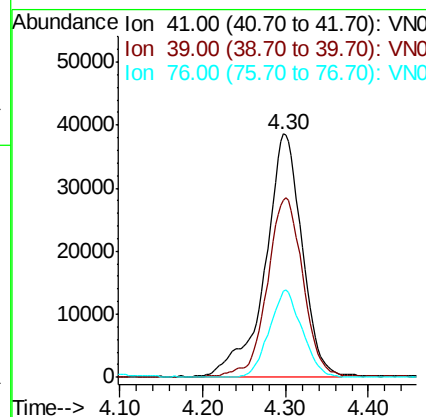
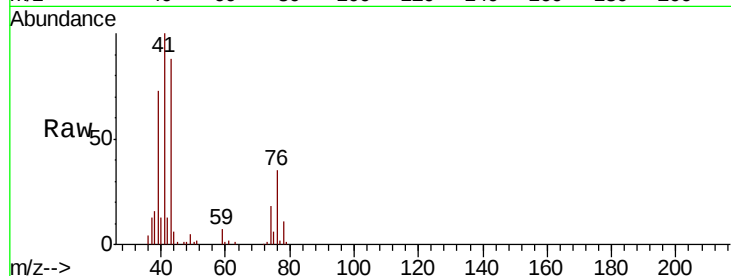
#17
Allvl chloride
Concen: 20.079 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.8	39.6	118.8
76	35.4	17.6	52.9

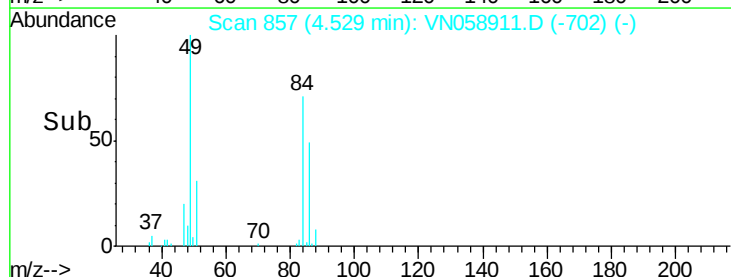
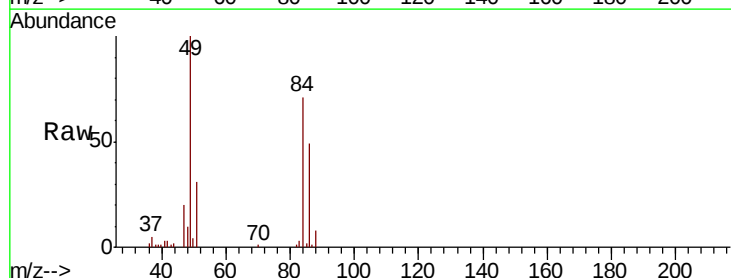
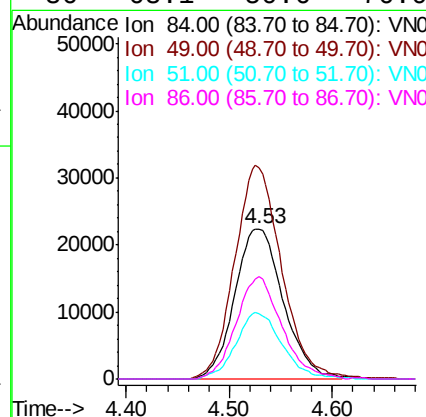
Manual Integrations
APPROVED

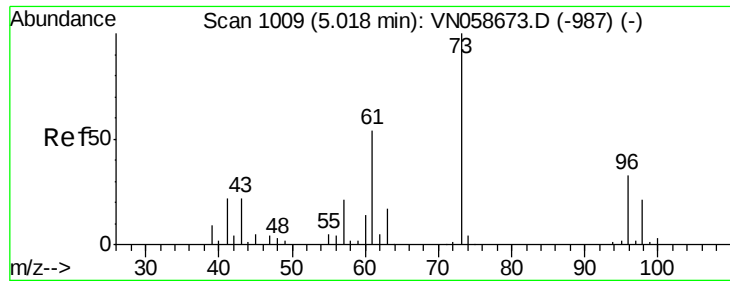
MMDadoda
10/23/2019 3:09:53 PM



#18
Methylene Chloride
Concen: 20.256 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.1	106.6	160.0
51	43.1	32.4	48.6
86	68.1	50.6	76.0





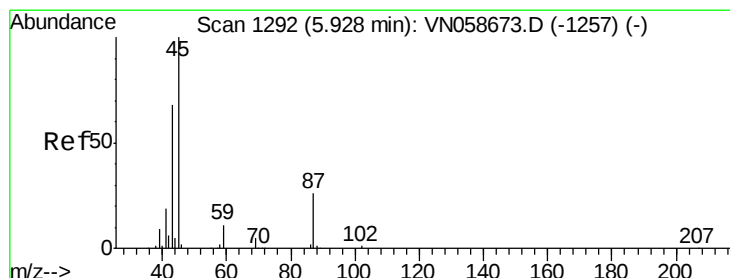
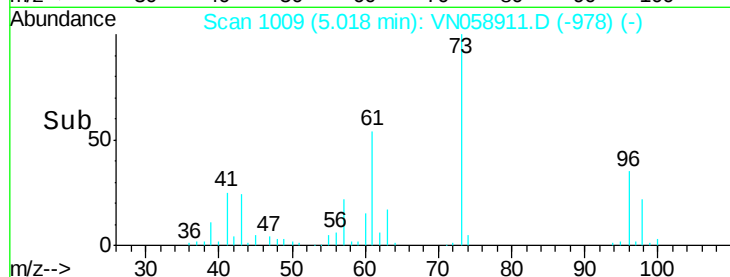
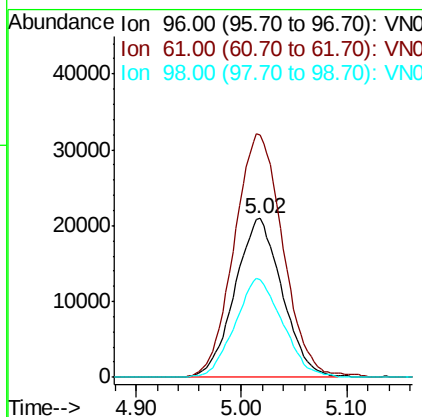
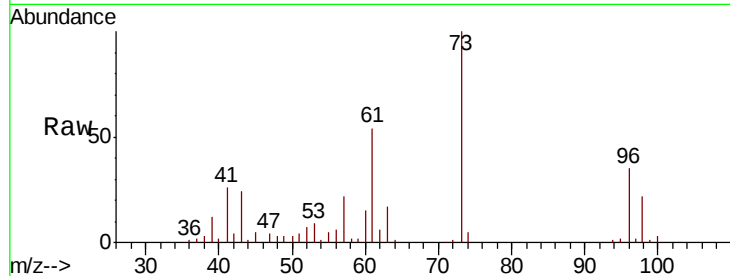
#19
trans-1,2-Dichloroethene
Concen: 20.041 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	131.8	197.6
98	61.3	52.6	79.0

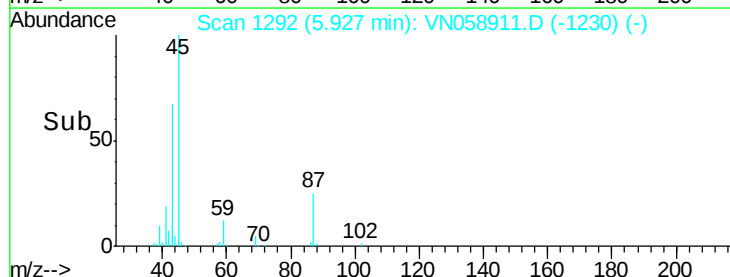
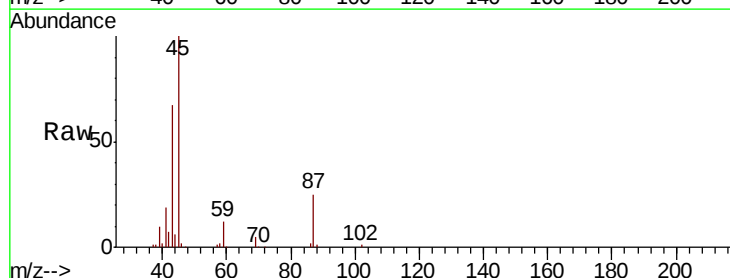
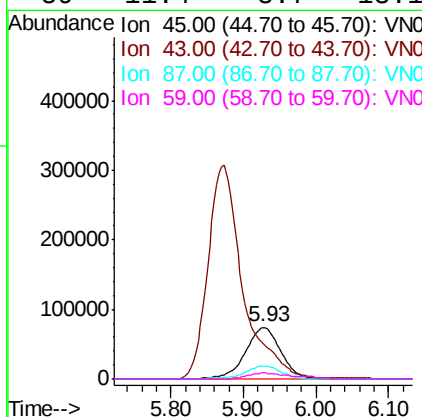
Manual Integrations
APPROVED

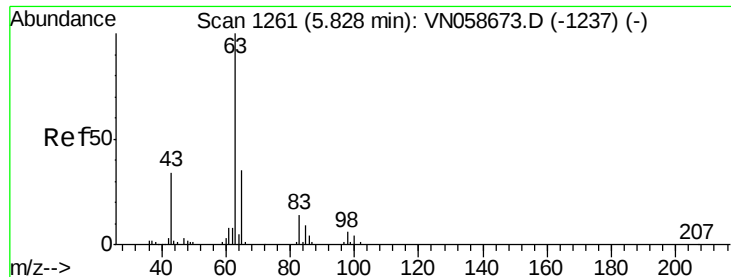
MMDadoda
10/23/2019 3:09:53 PM



#20
Diisopropyl ether
Concen: 20.551 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.8	54.7	82.1
87	25.1	21.5	32.3
59	11.4	8.7	13.1





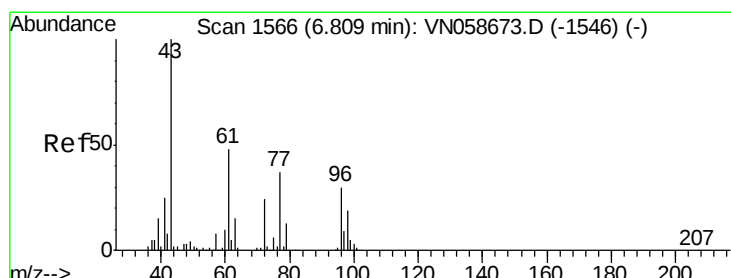
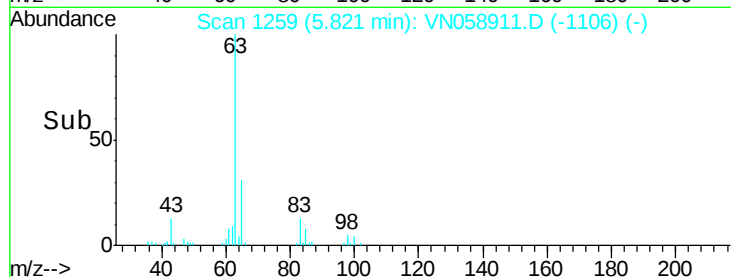
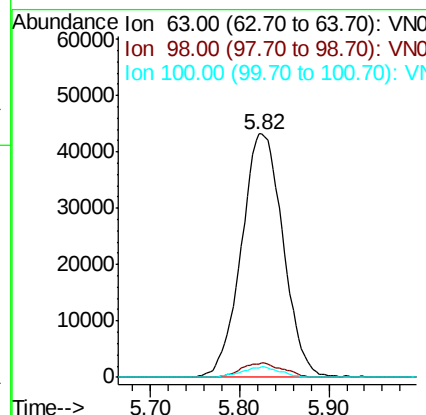
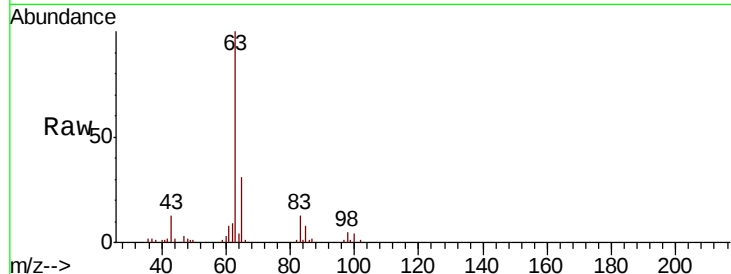
#21
 1,1-Dichloroethane
 Concen: 20.799 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.5	2.9	8.6
100	4.0	1.8	5.5

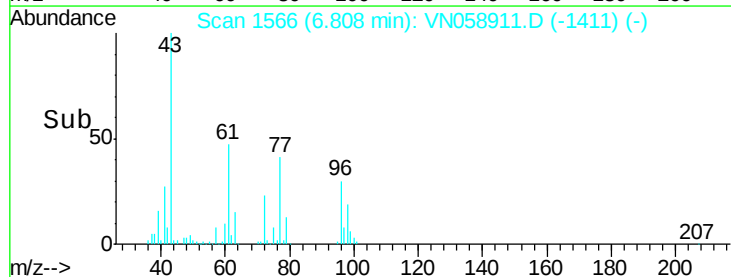
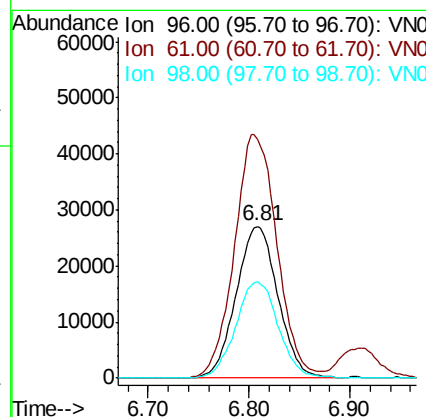
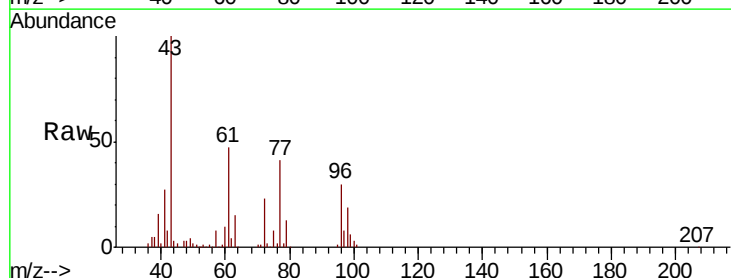
Manual Integrations
 APPROVED

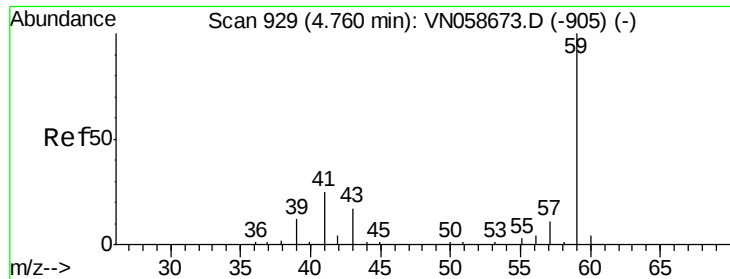
MMDadoda
 10/23/2019 3:09:53 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.001 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	163.4	127.2	190.8
98	64.6	50.5	75.7





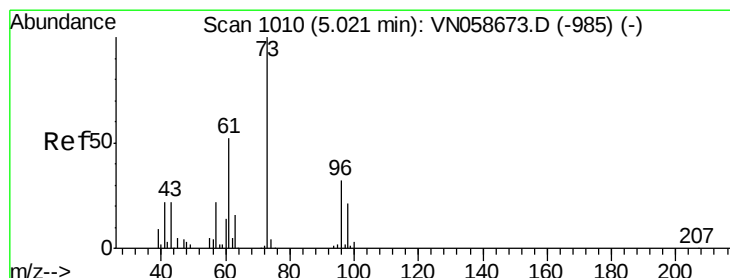
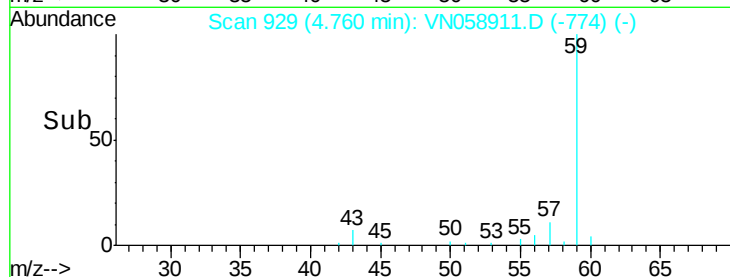
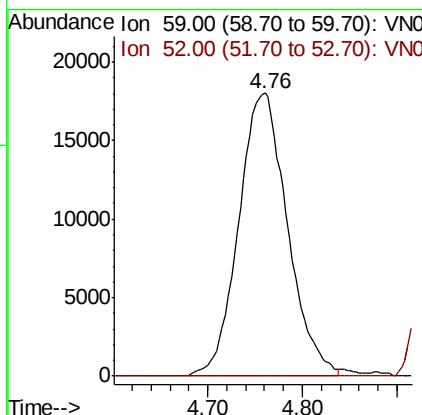
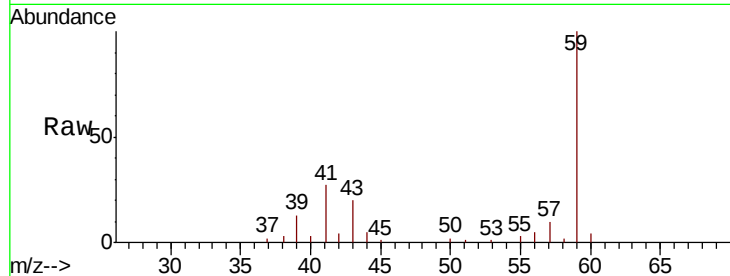
#23
 tert-Butyl Alcohol
 Concen: 83.524 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.0		0.0	0.0	0.0

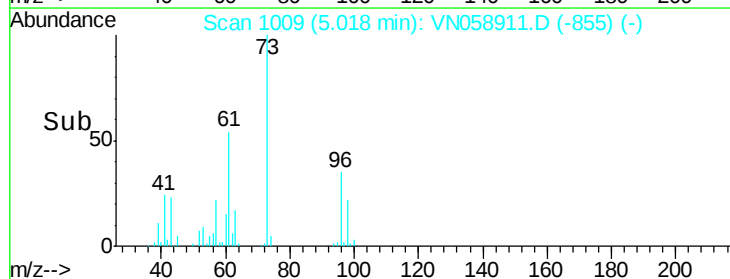
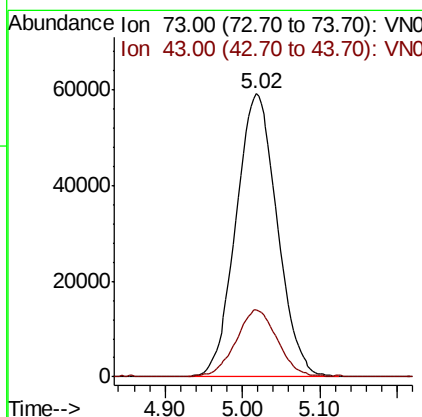
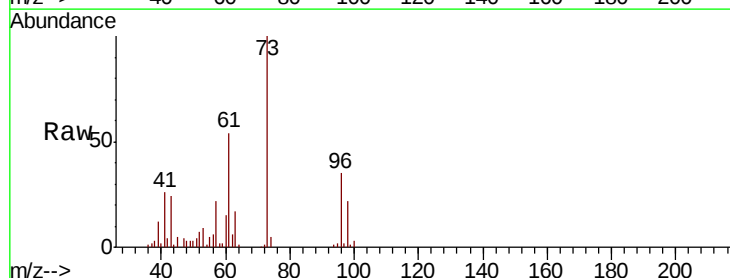
Manual Integrations
 APPROVED

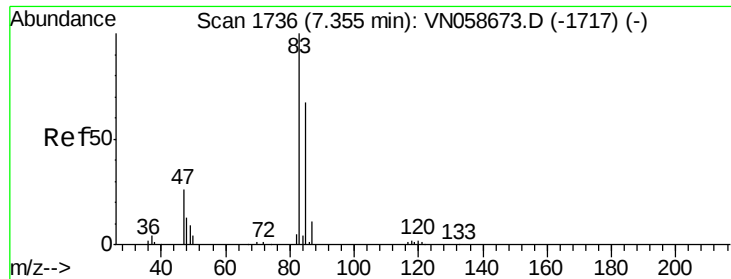
MMDadoda
 10/23/2019 3:09:53 PM



#24
 Methyl tert-Butyl Ether
 Concen: 19.639 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	24.0		17.9	26.9	





#25

Chloroform

Concen: 20.659 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 83 Resp: 138514

Ion Ratio Lower Upper

83 100

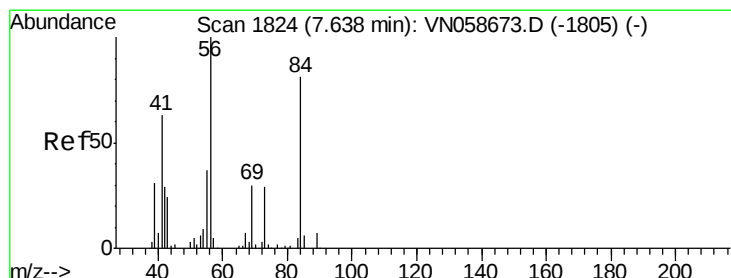
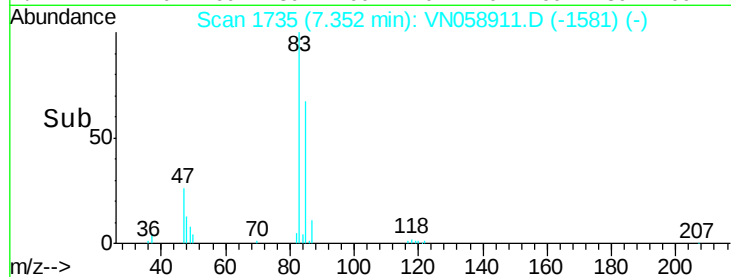
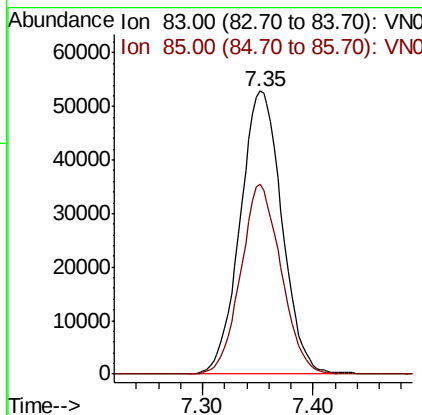
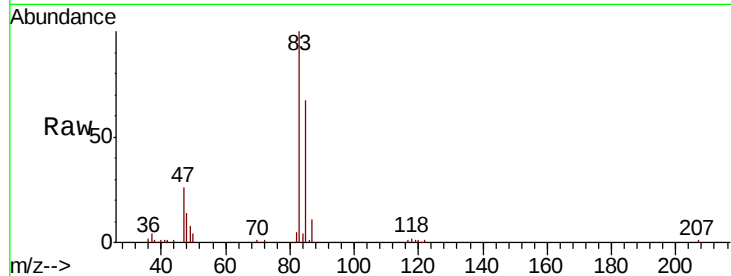
85 67.1 53.8 80.8

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#26

Cyclohexane

Concen: 19.530 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

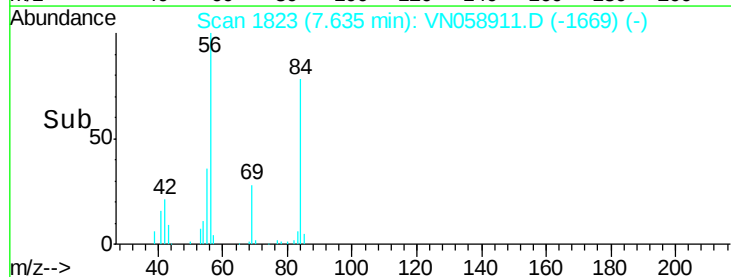
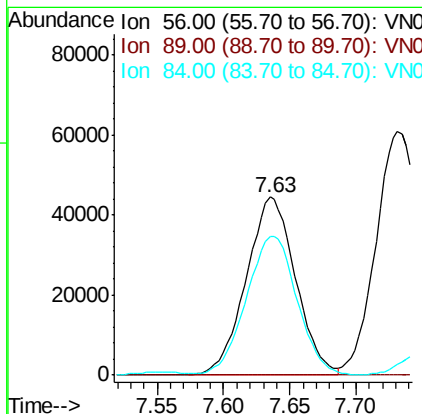
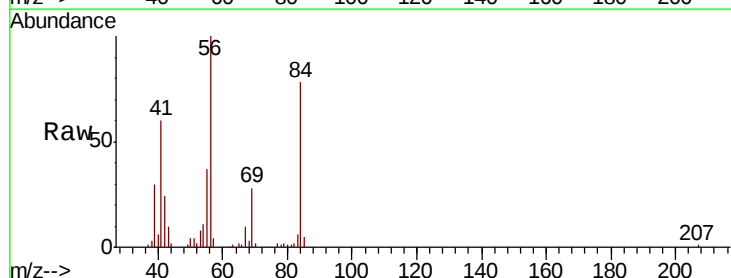
Tgt Ion: 56 Resp: 115241

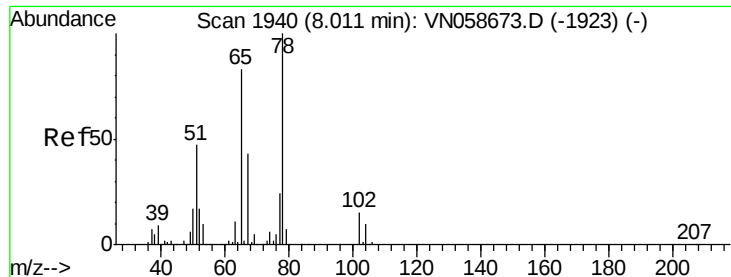
Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

84 80.5 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 30.563 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 65 Resp: 148428

Ion Ratio Lower Upper

65 100

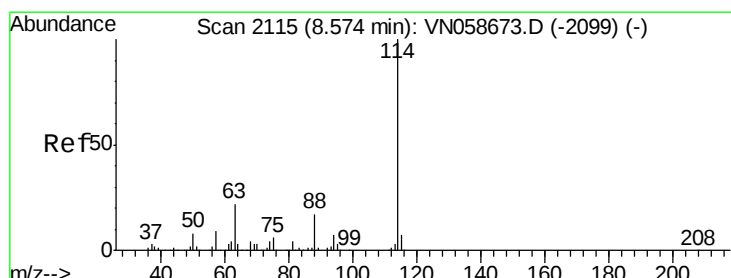
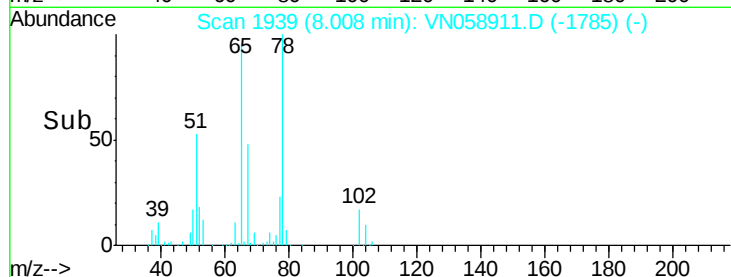
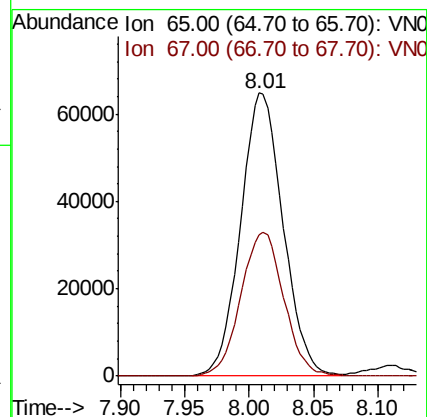
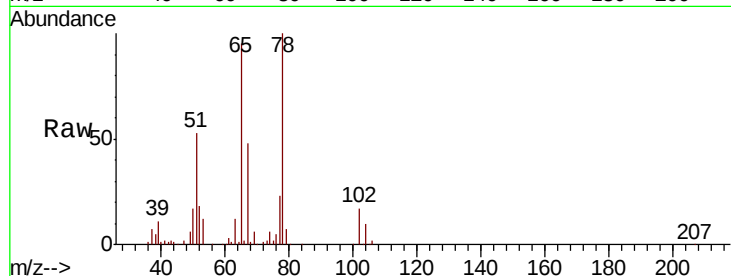
67 51.6 41.5 62.3

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

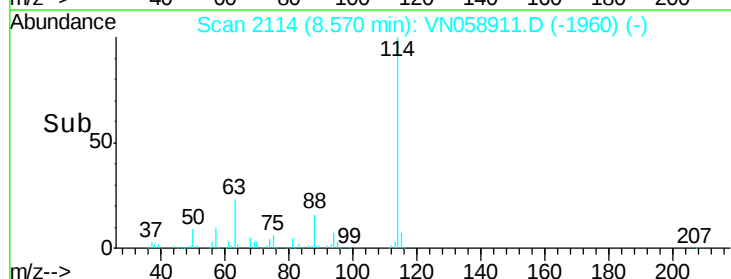
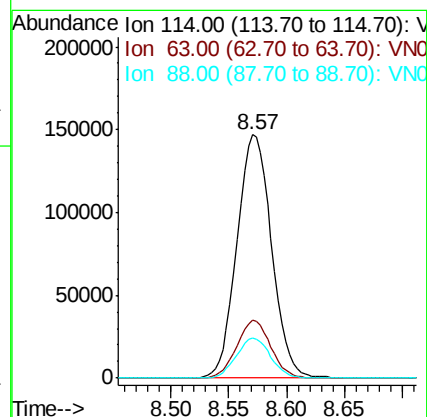
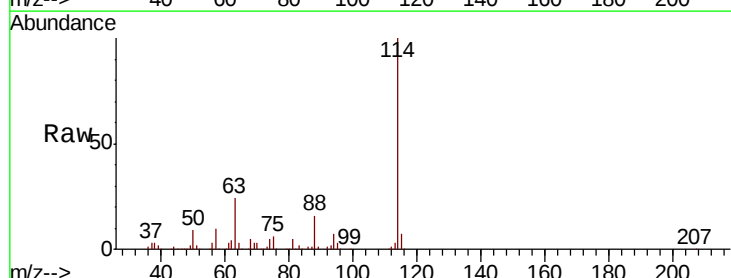
Tgt Ion: 114 Resp: 304630

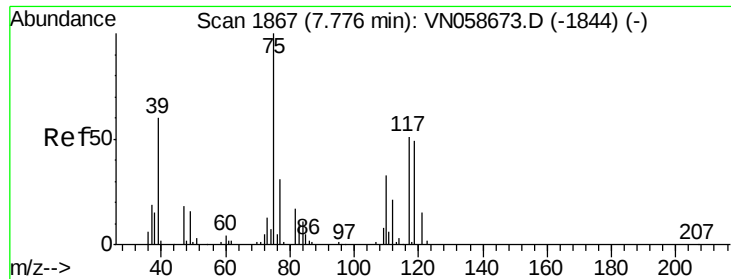
Ion Ratio Lower Upper

114 100

63 23.2 18.1 27.1

88 16.2 13.0 19.4





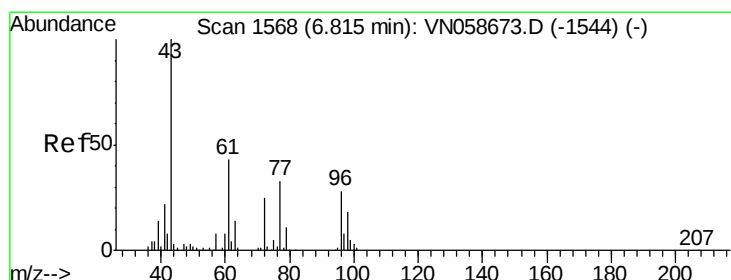
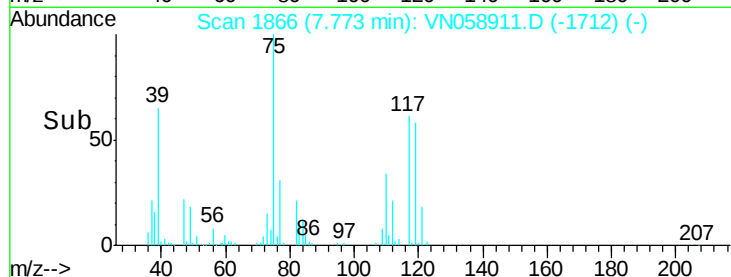
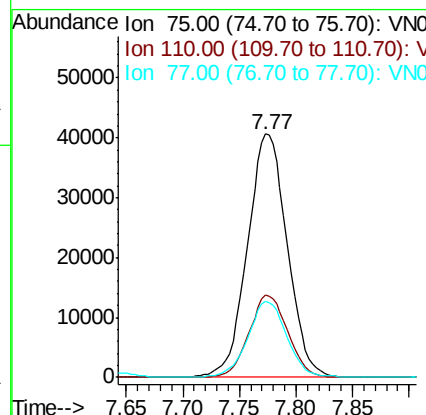
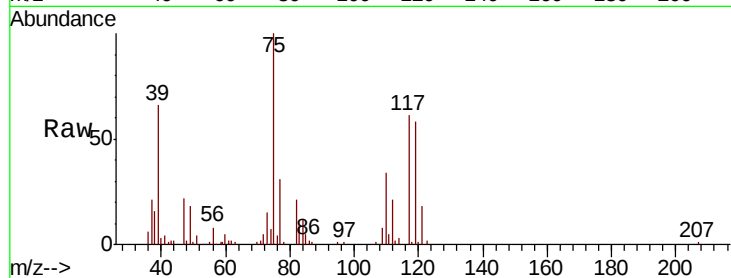
#29
 1,1-Dichloropropene
 Concen: 20.701 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.9	0.0	64.6
77	30.9	0.0	60.8

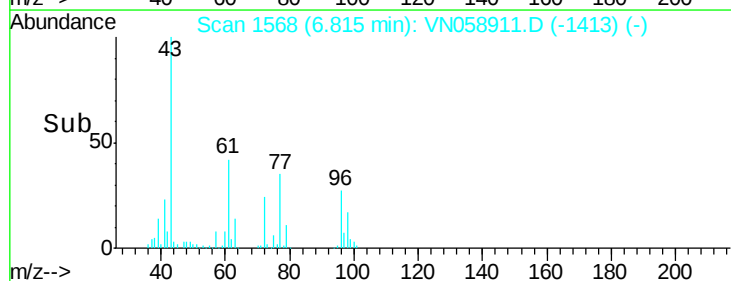
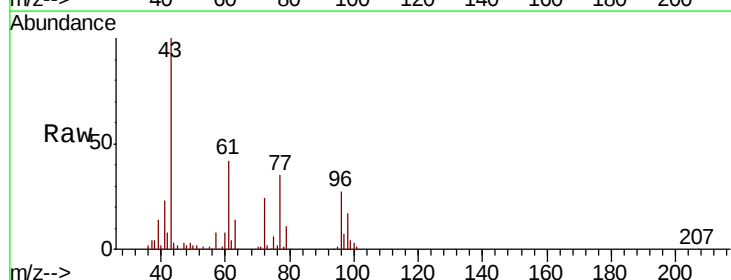
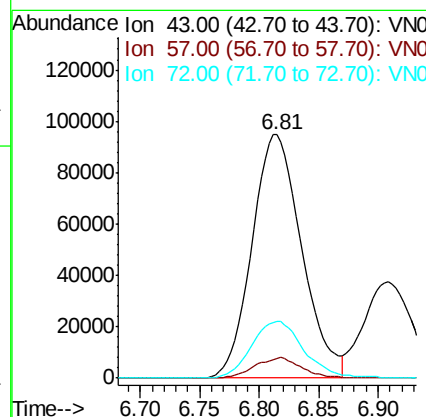
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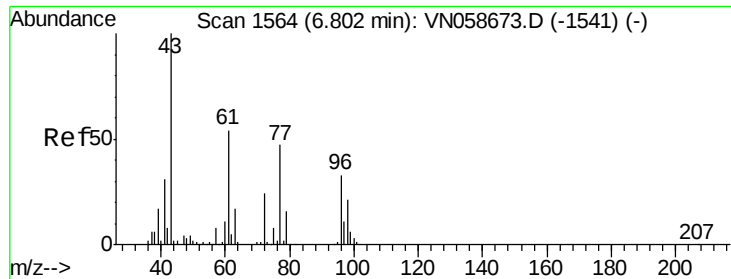
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#30
 2-Butanone
 Concen: 100.679 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.5	9.7
72	24.6	20.1	30.1





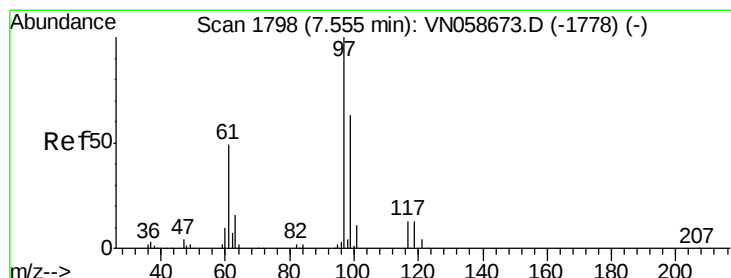
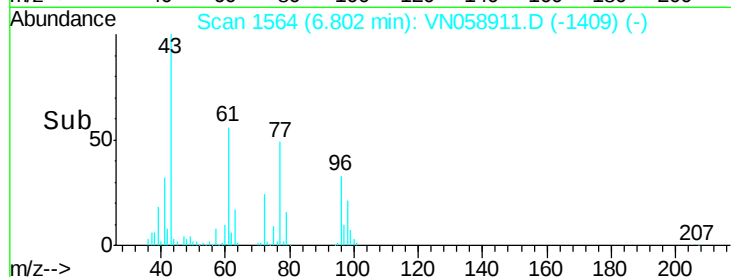
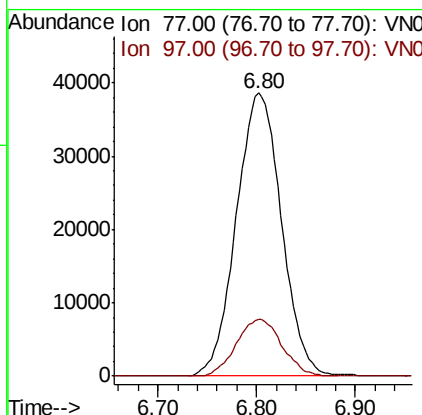
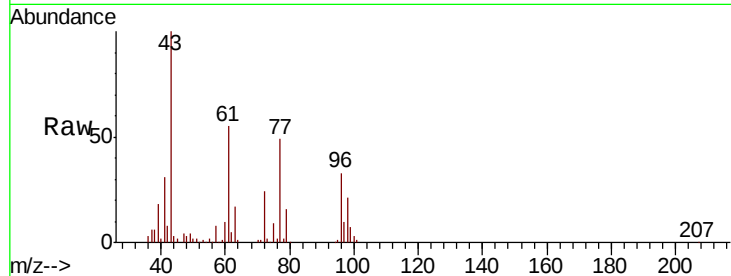
#31
 2,2-Dichloropropane
 Concen: 21.626 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.3	17.9	26.9

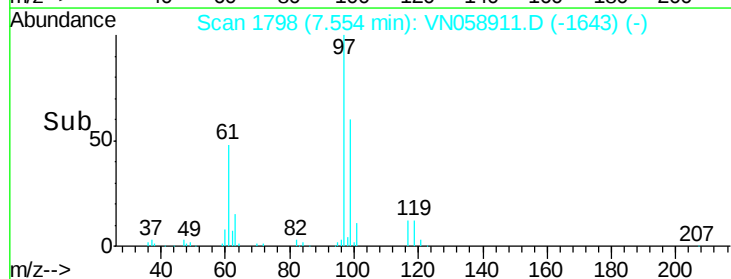
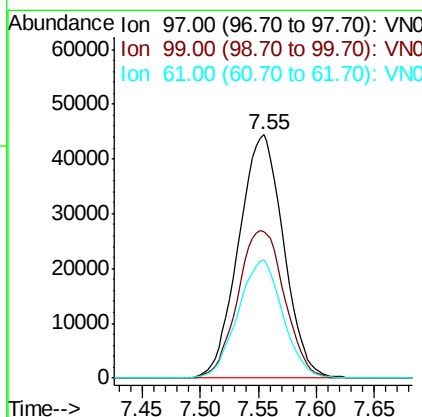
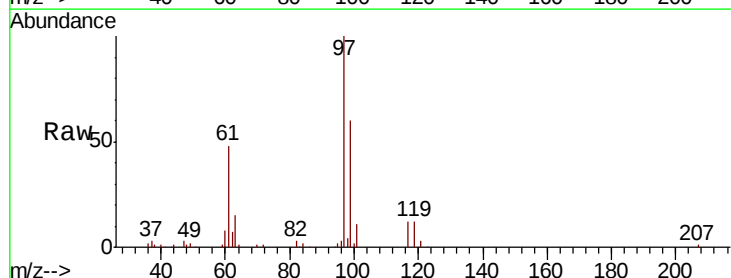
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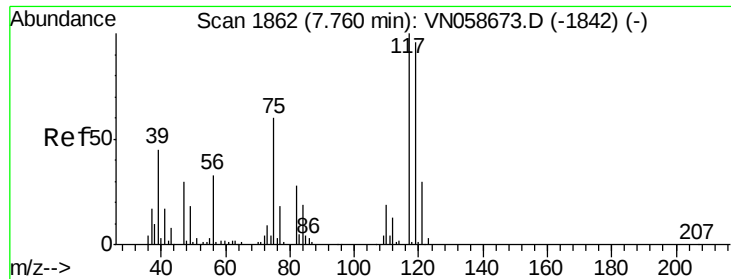
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#32
 1,1,1-Trichloroethane
 Concen: 21.577 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.3	76.9
61	48.4	38.4	57.6





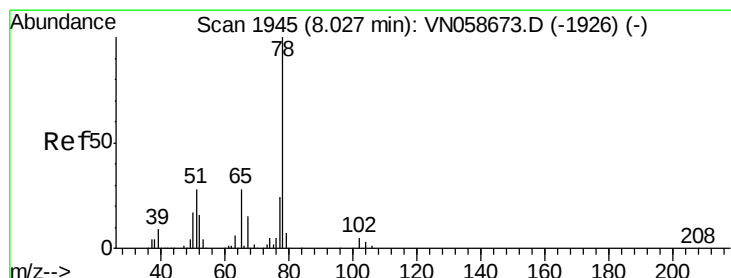
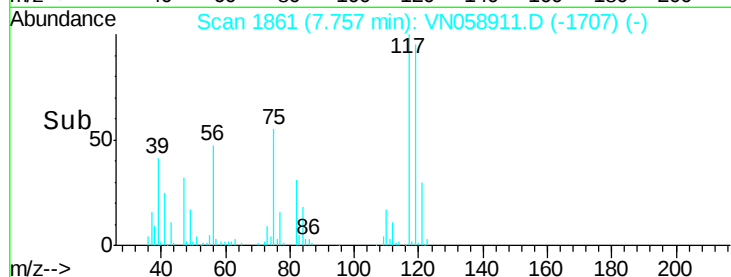
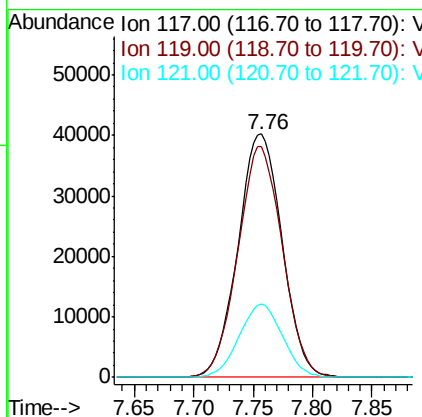
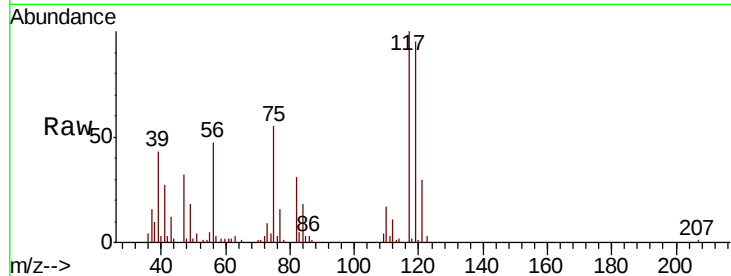
#33
Carbon Tetrachloride
Concen: 21.543 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
121	30.4	23.8	35.8

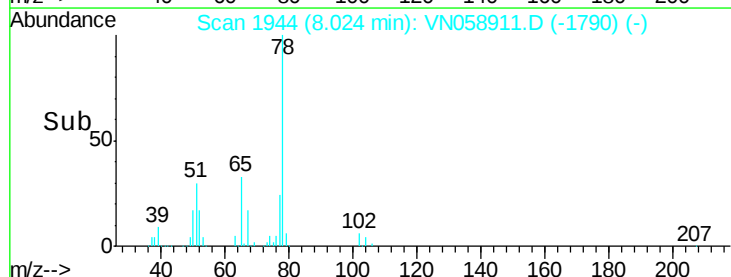
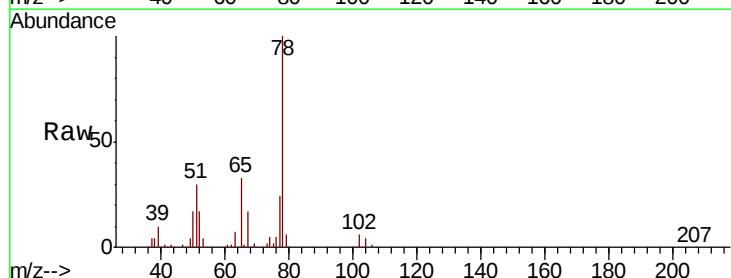
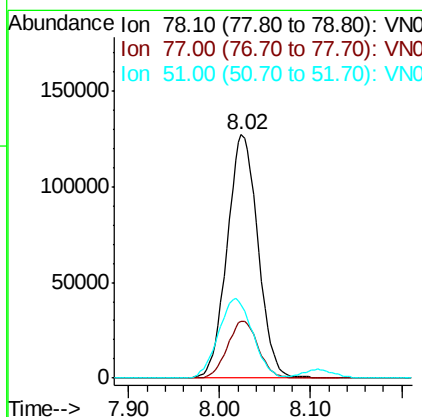
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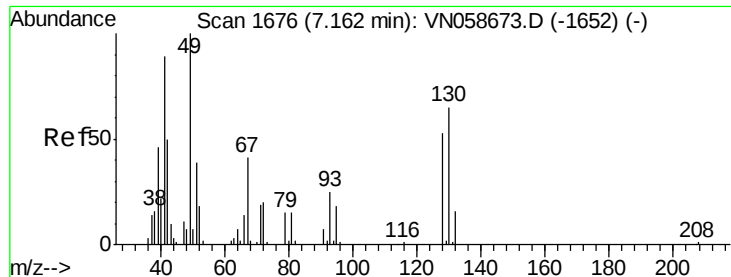
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#34
Benzene
Concen: 21.220 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8
51	29.7	22.1	33.1





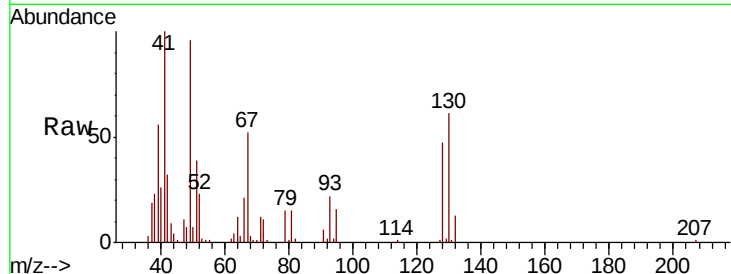
#35
Methacrylonitrile
Concen: 19.436 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	41	Resp	46526
Ion	Ratio	Lower	Upper
41	100		
39	55.2	25.8	77.4
67	51.8	23.0	69.0
52	23.2	10.1	30.1

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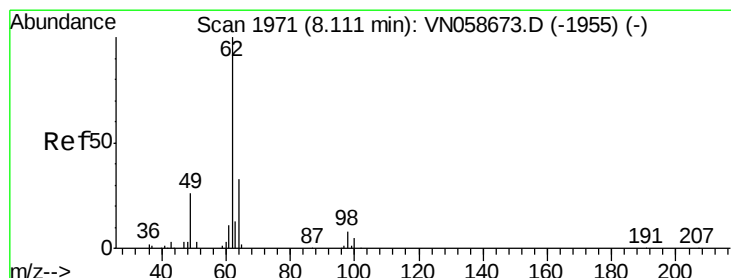
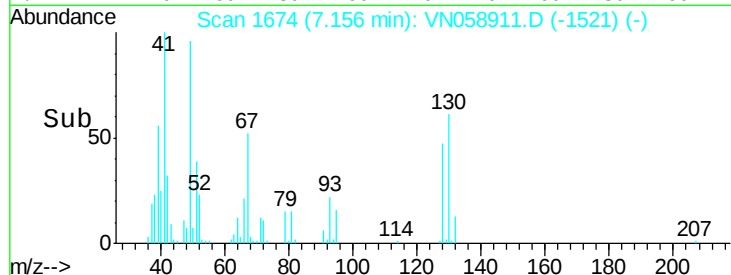
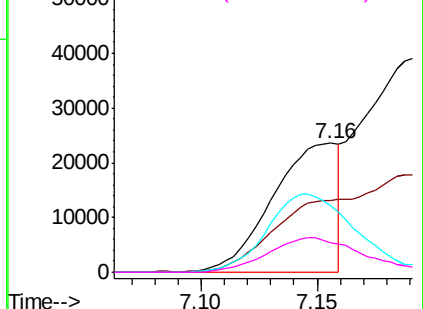
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

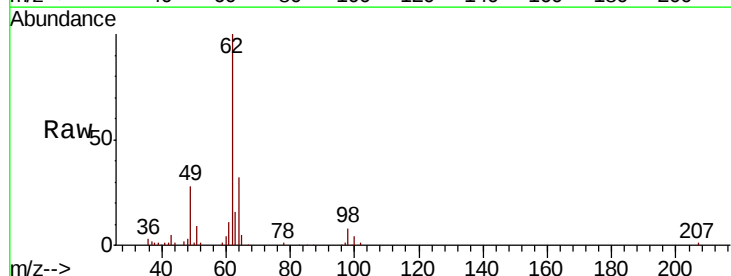
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 21.694 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

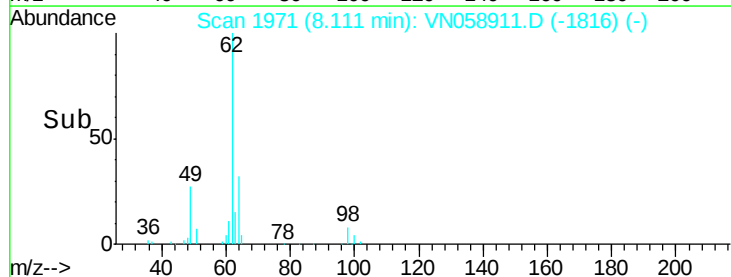
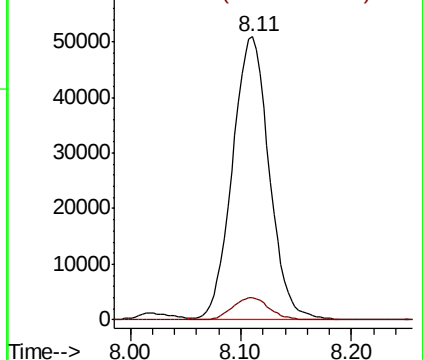
Tgt Ion	62	Resp	117097
Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.4	9.6

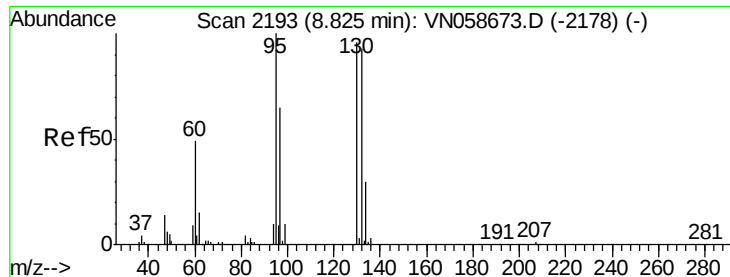


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





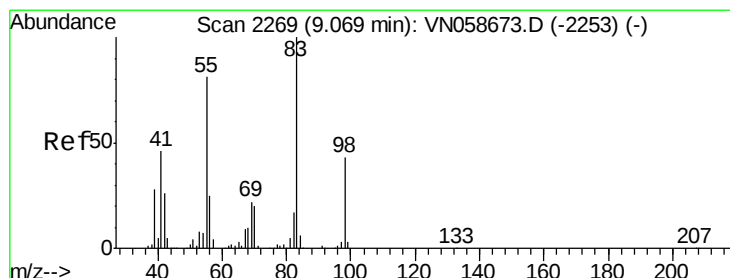
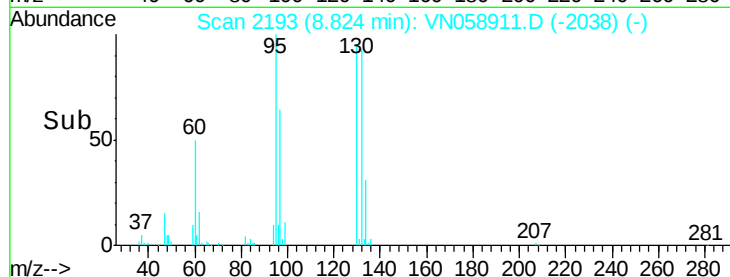
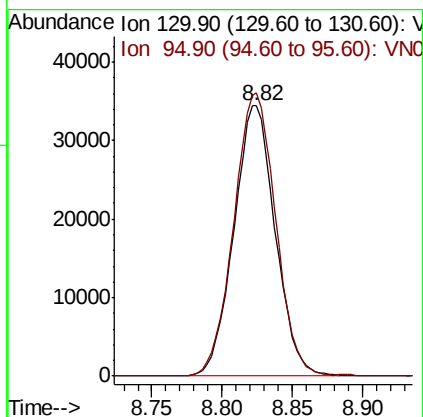
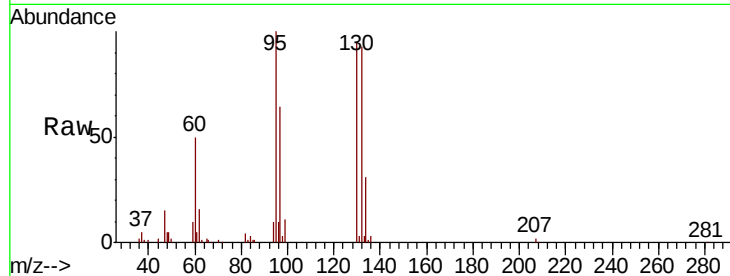
#37
 Trichloroethene
 Concen: 20.395 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion:130 Resp: 70734
 Ion Ratio Lower Upper
 130 100
 95 104.7 83.2 124.8

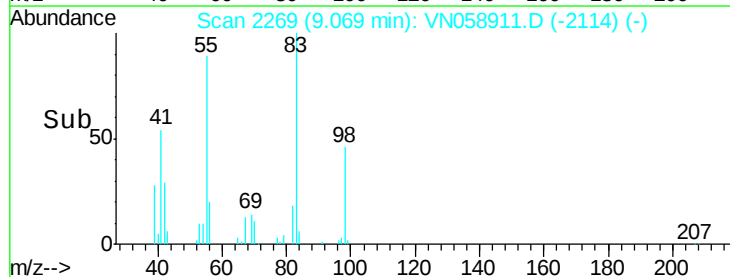
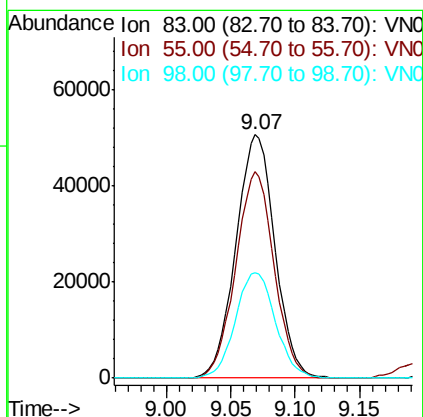
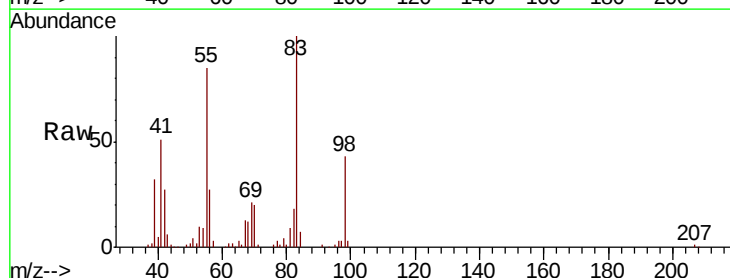
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#38
 Methylcyclohexane
 Concen: 19.177 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion: 83 Resp: 106621
 Ion Ratio Lower Upper
 83 100
 55 83.5 40.4 121.1
 98 44.5 21.6 65.0





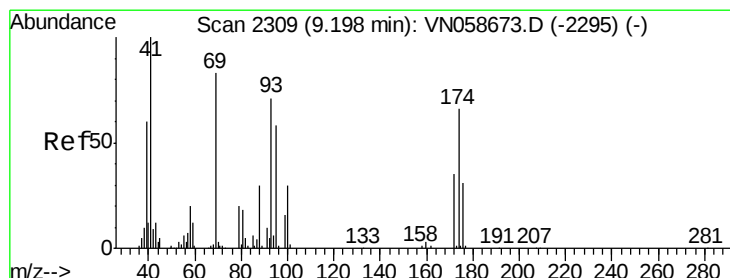
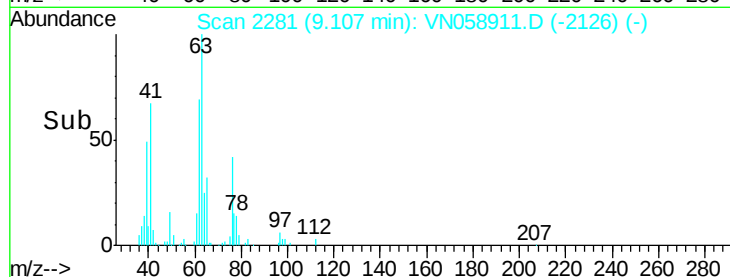
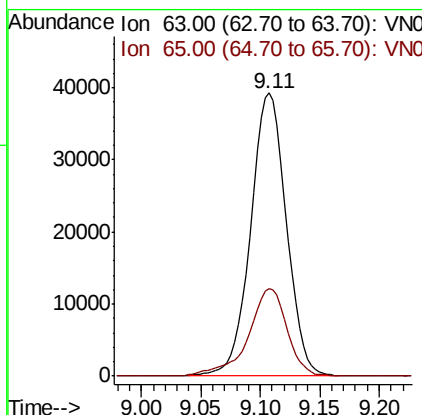
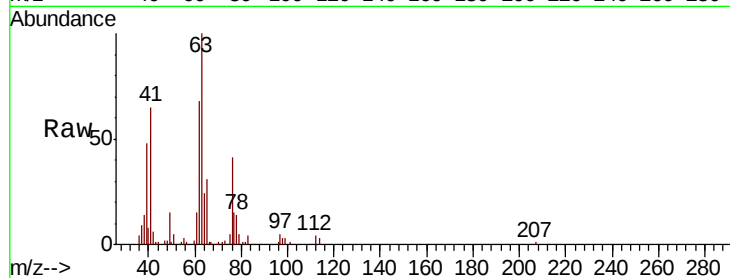
#39
 1,2-Dichloropropane
 Concen: 21.174 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.8	35.6

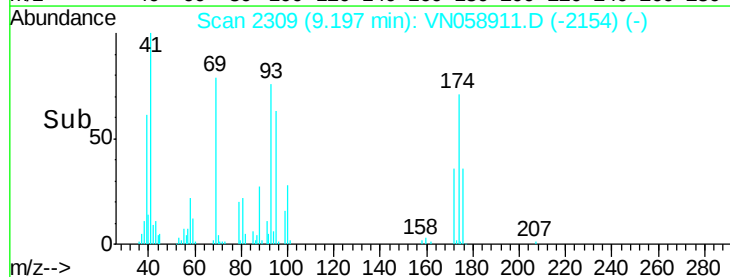
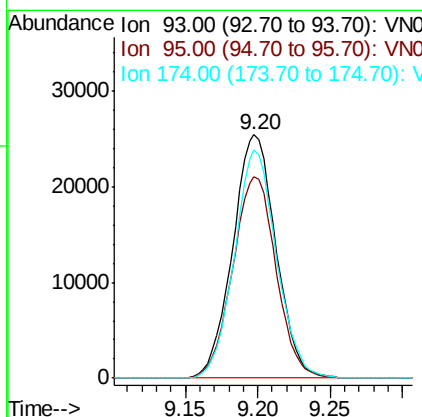
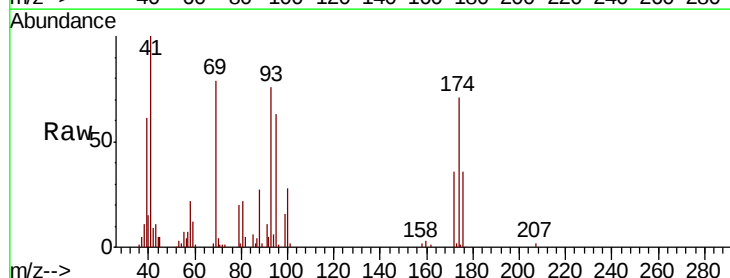
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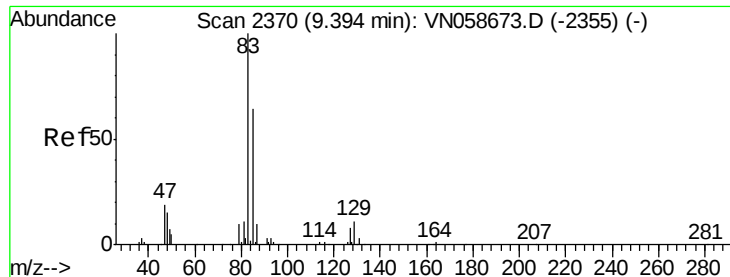
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#40
 Dibromomethane
 Concen: 21.600 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	0.0	167.6
174	91.4	0.0	187.2





#41

Bromodichloromethane

Concen: 21.607 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

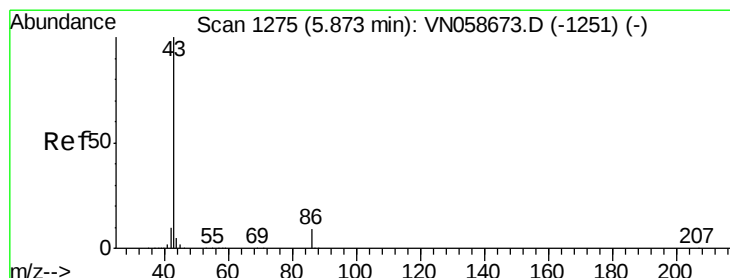
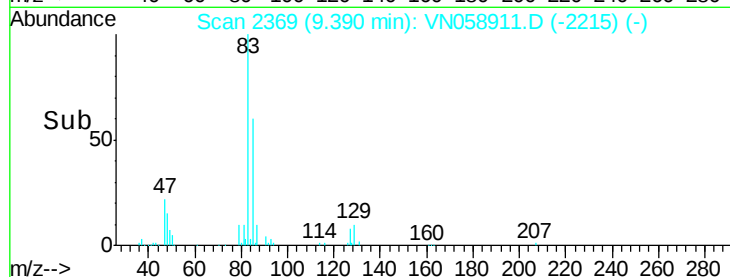
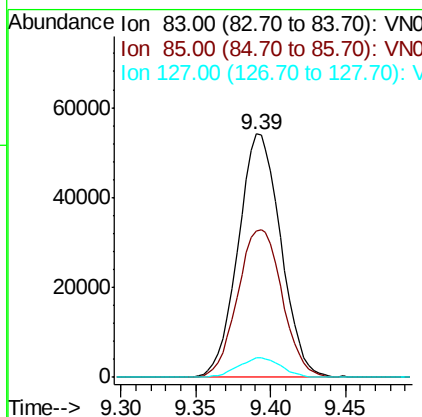
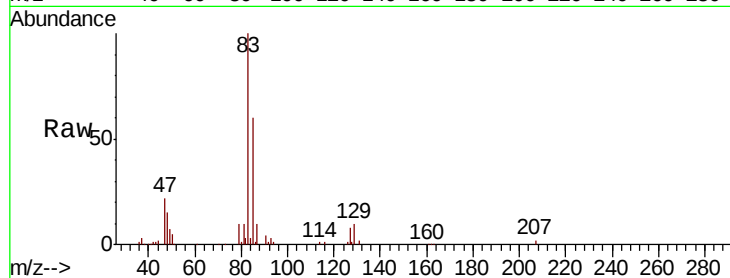
ClientSampleId :

VN1023WBS01

Tot Ion:	83	Resp:	107510
Ion Ratio	Lower	Upper	
83	100		
85	60.1	51.0	76.4
127	8.1	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 107.984 ug/l

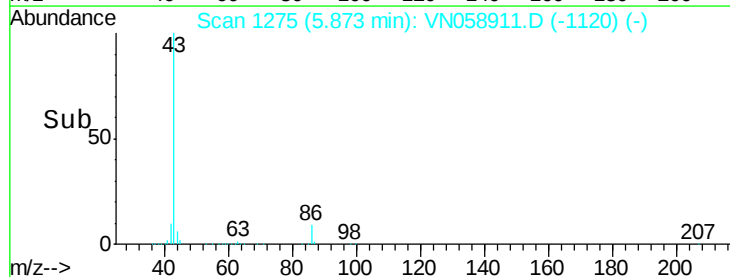
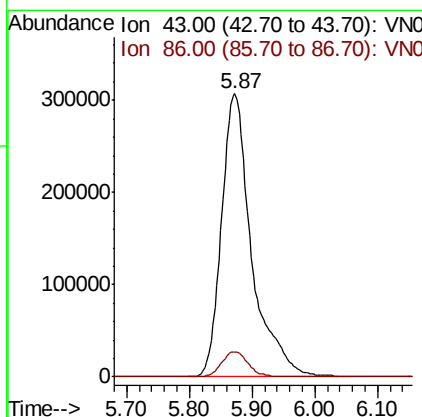
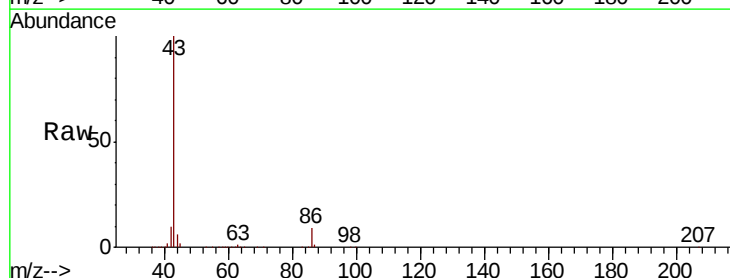
RT: 5.87 min Scan# 1275

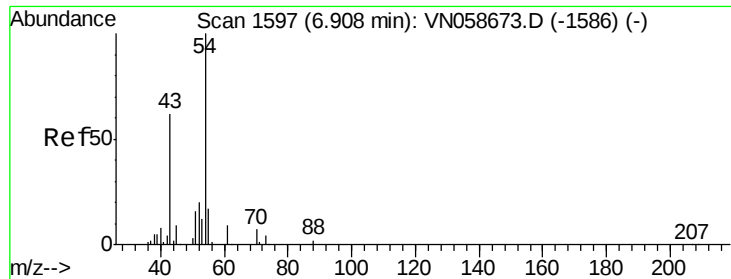
Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Tgt Ion:	43	Resp:	1024813
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.5	9.7





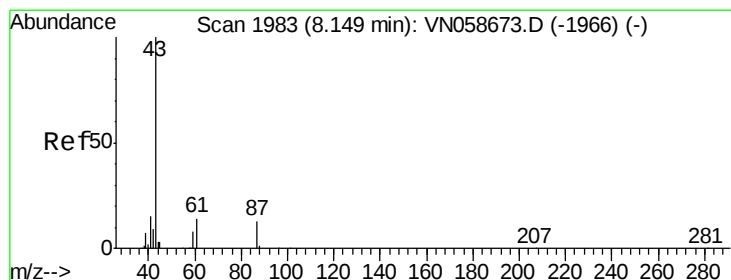
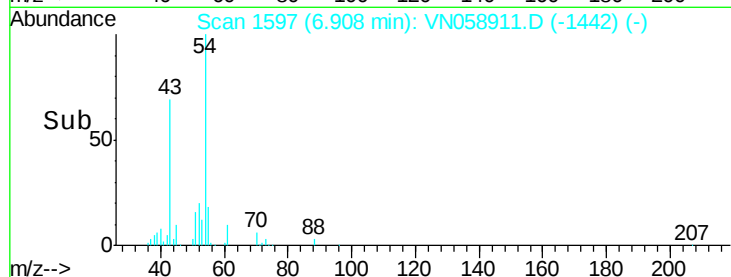
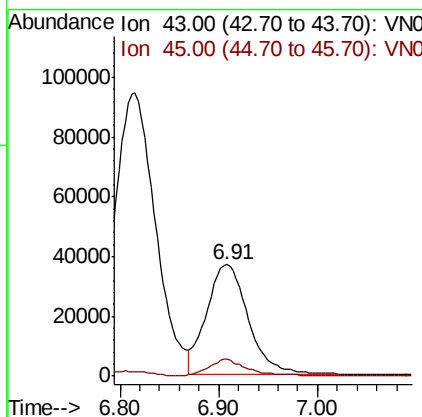
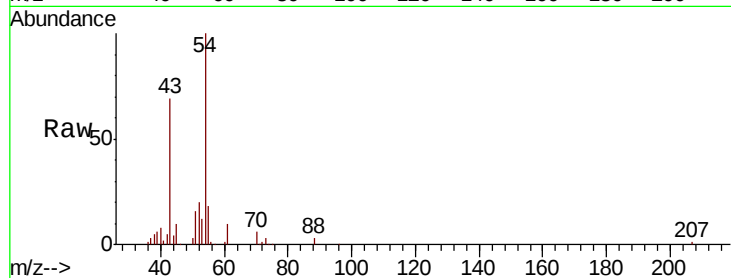
#43
Ethyl Acetate
Concen: 20.338 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	43	Ratio	Lower	Upper
108171	100			
45	12.8	9.7	14.5	

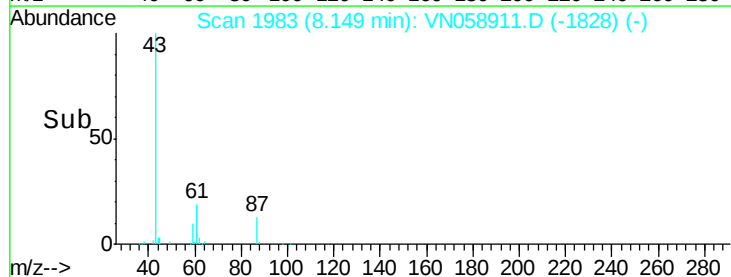
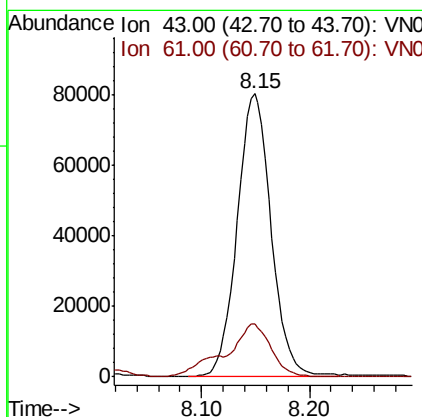
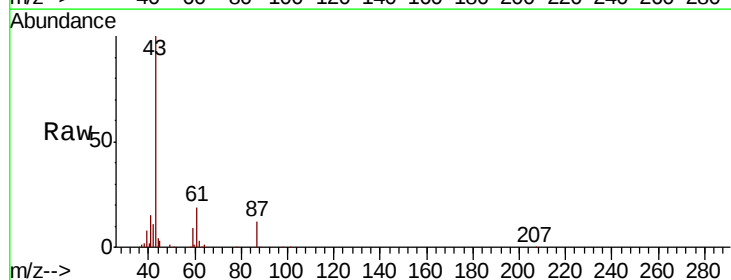
Manual Integrations
APPROVED

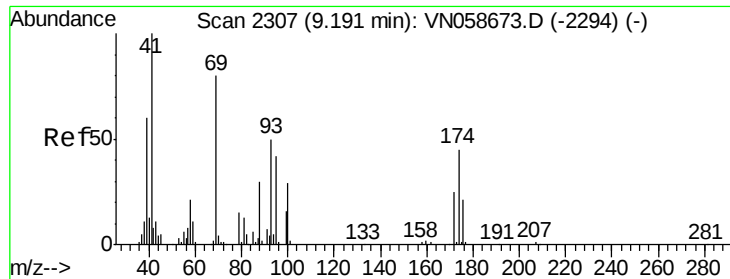
MMDadoda
10/23/2019 3:09:53 PM



#44
Isopropyl Acetate
Concen: 20.290 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	43	Ratio	Lower	Upper
174803	100			
61	18.6	19.9	29.9	#





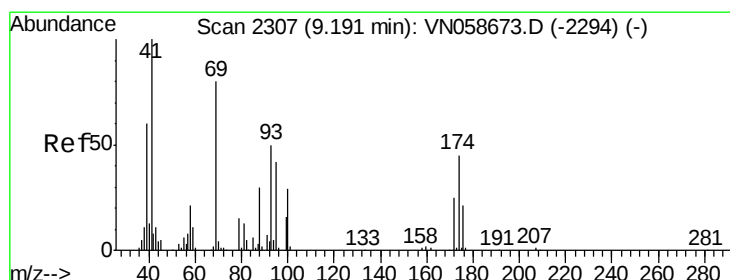
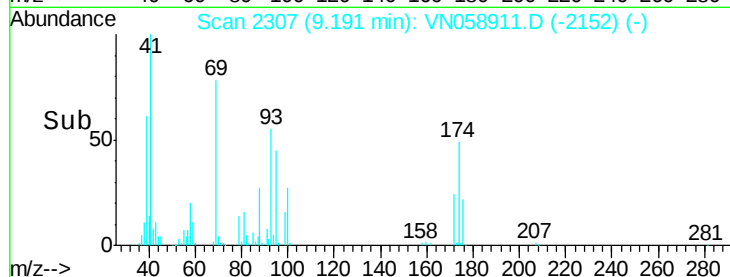
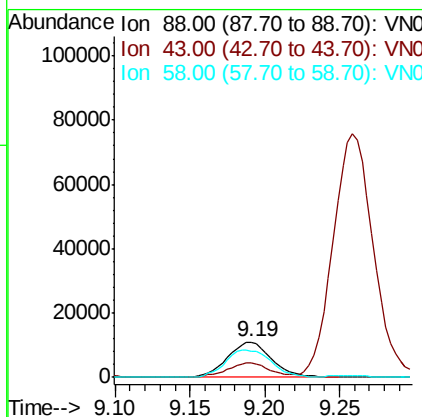
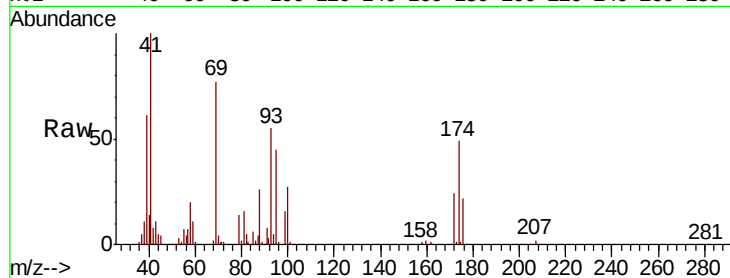
#45
1,4-Dioxane
Concen: 338.995 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	29.8	44.8
58	82.2	58.2	87.4

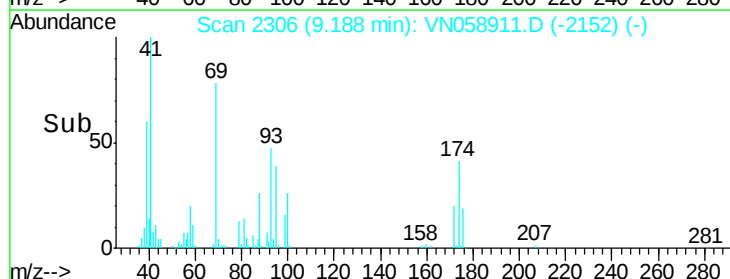
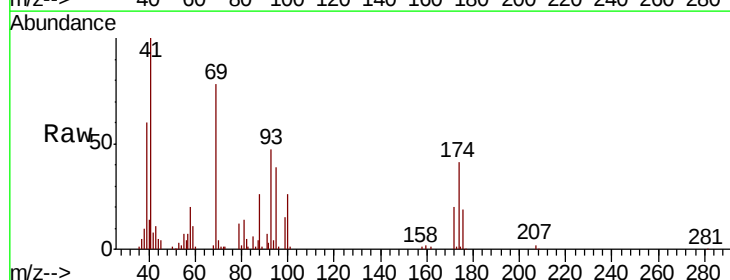
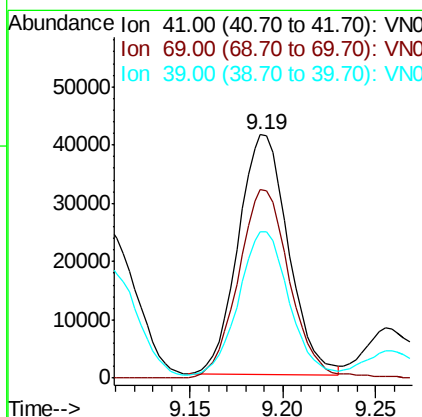
Manual Integrations
APPROVED

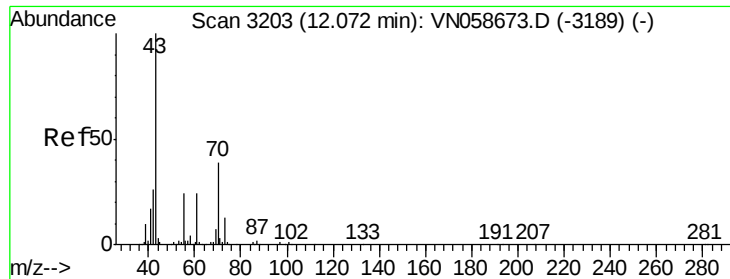
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#46
Methyl methacrylate
Concen: 19.684 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.7	40.2	120.5
39	59.8	29.9	89.8





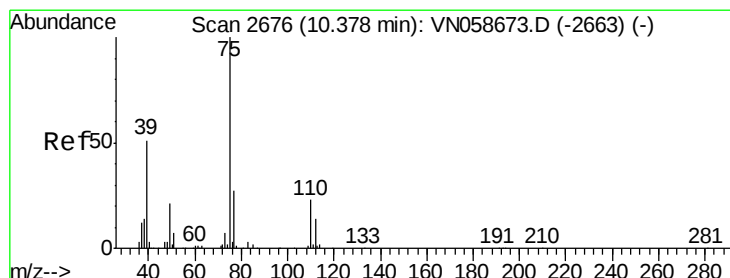
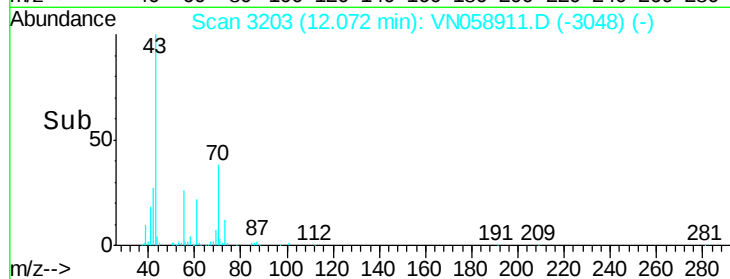
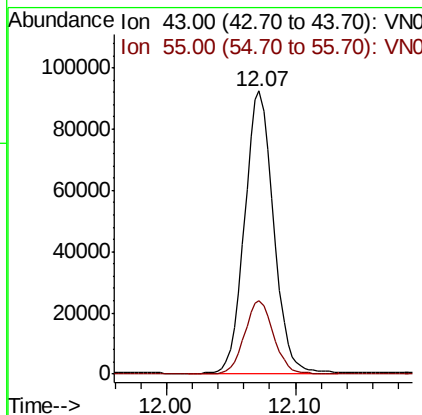
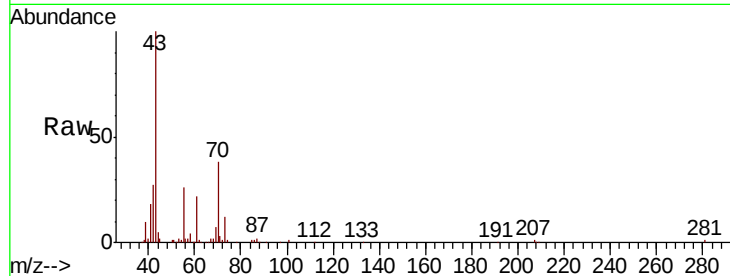
#47
n-amvl Acetate
Concen: 18.852 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion: 43 Resp: 143980
Ion Ratio Lower Upper
43 100
55 26.1 19.6 29.4

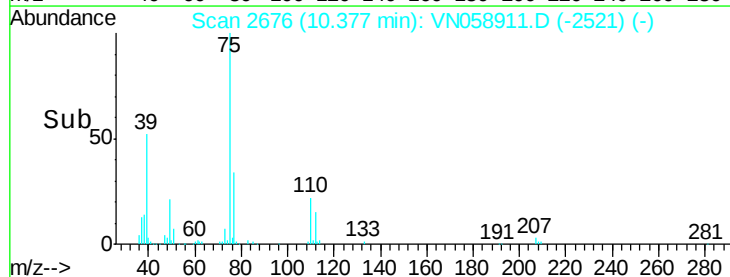
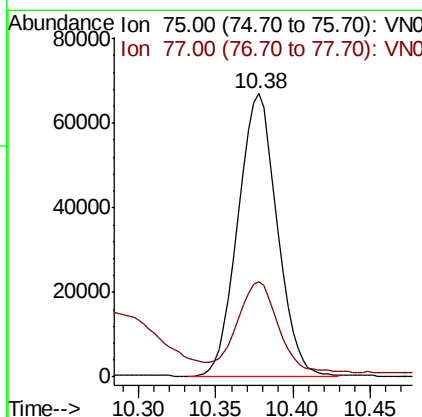
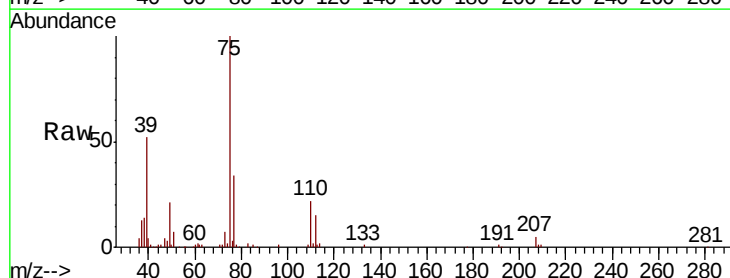
Manual Integrations
APPROVED

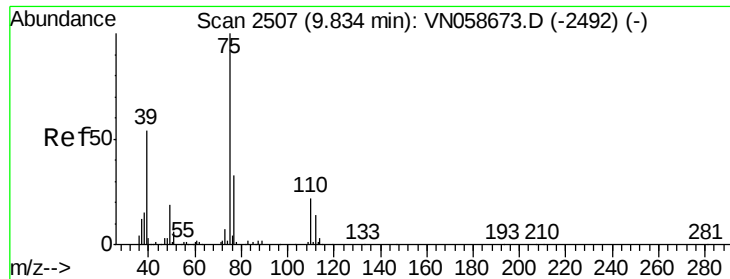
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 20.419 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion: 75 Resp: 117831
Ion Ratio Lower Upper
75 100
77 31.6 27.0 40.4





#49

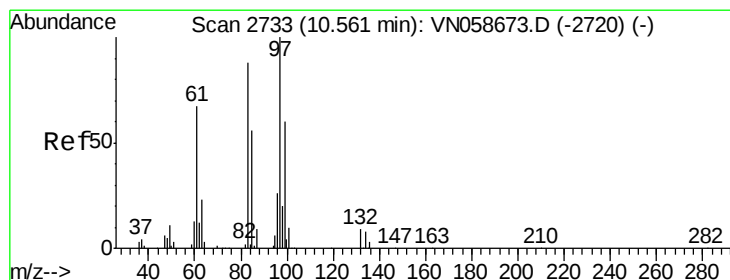
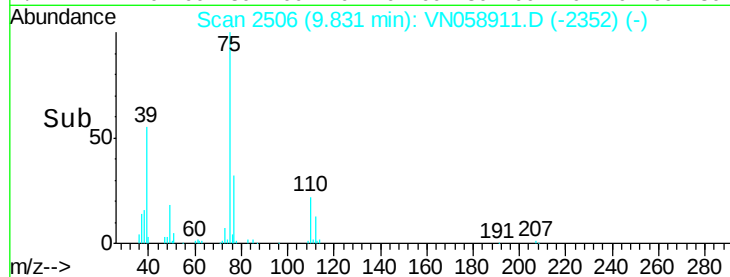
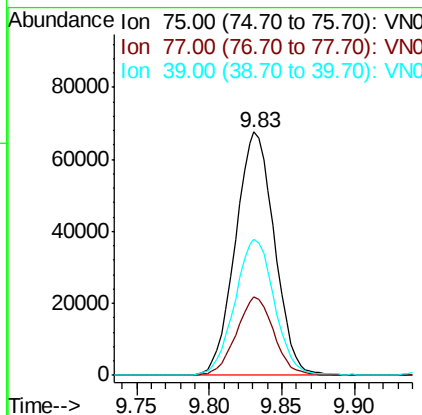
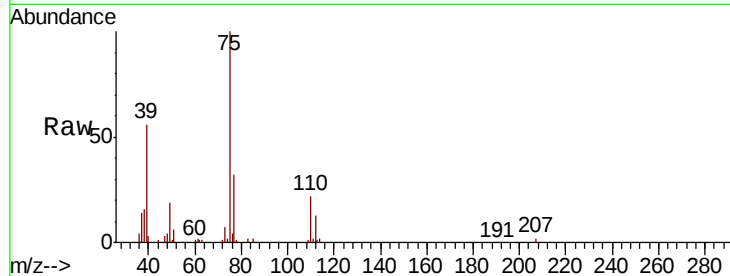
cis-1,3-Dichloropropene
 Concen: 20.854 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion:	75	Resp:	126365
Ion Ratio	Lower	Upper	
75	100		
77	32.1	26.1	39.1
39	55.5	43.1	64.7

Manual Integrations
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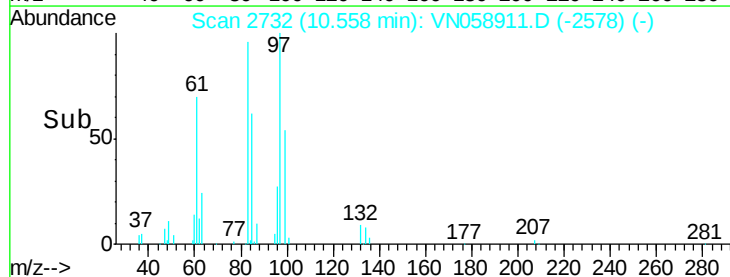
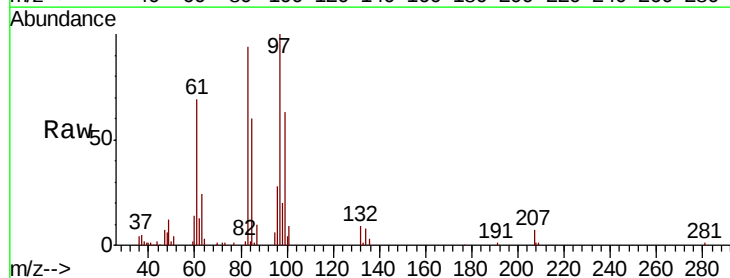
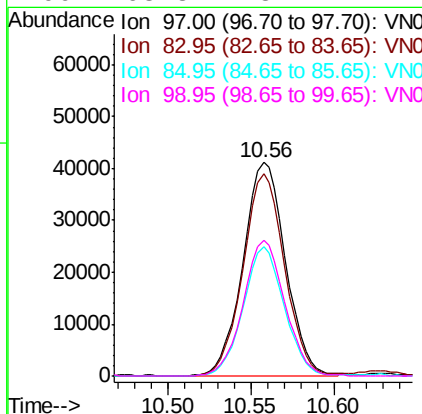
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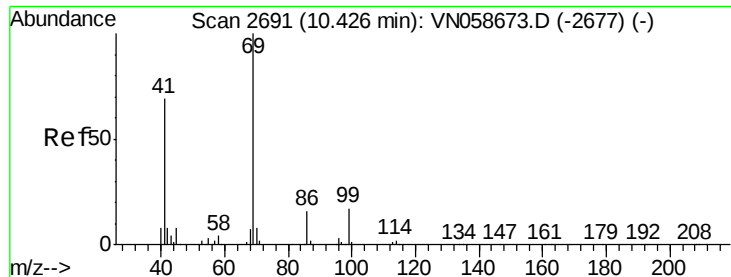


#50

1,1,2-Trichloroethane
 Concen: 21.133 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion:	97	Resp:	73478
Ion Ratio	Lower	Upper	
97	100		
83	94.5	70.7	106.1
85	60.5	45.1	67.7
99	63.3	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.189 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

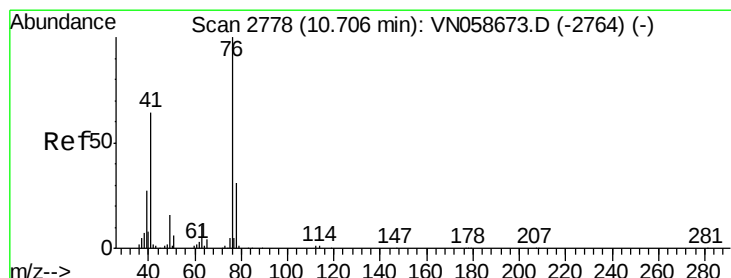
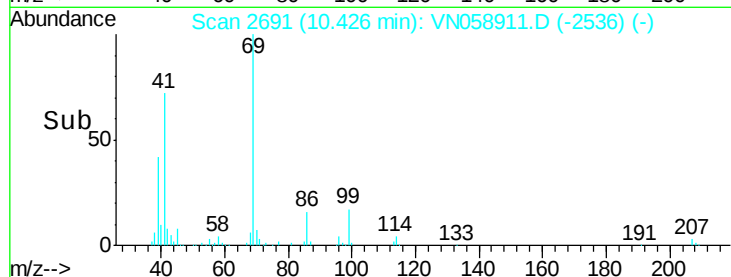
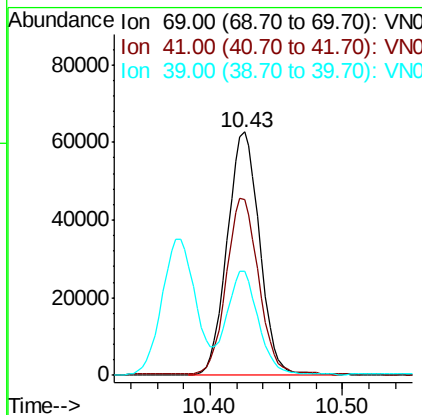
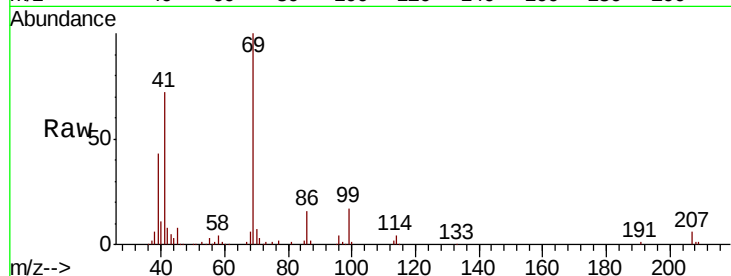
ClientSampleId :

VN1023WBS01

Tot Ion:	69	Resp:	106686
Ion	Ratio	Lower	Upper
69	100		
41	71.7	34.7	104.1
39	42.3	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.856 ug/l

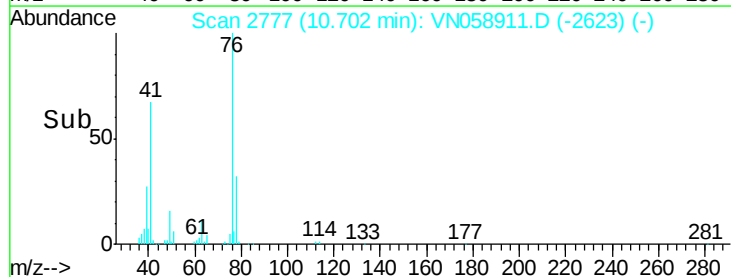
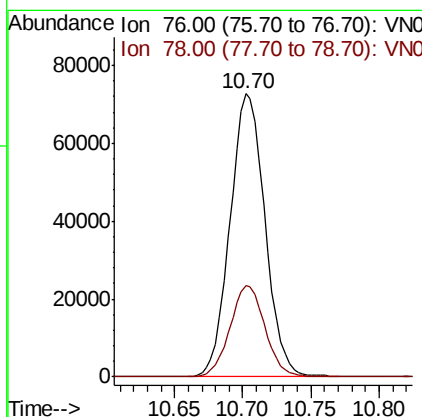
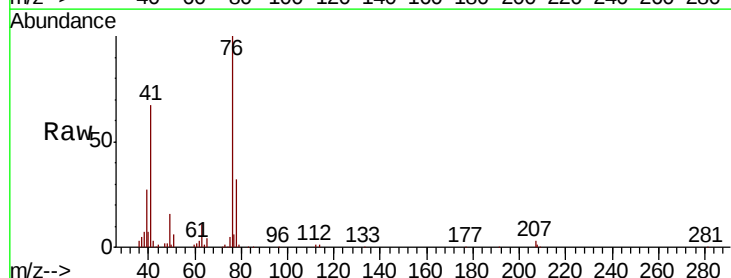
RT: 10.70 min Scan# 2777

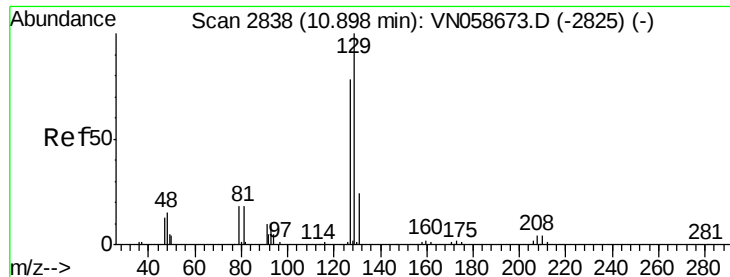
Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Tgt Ion:	76	Resp:	129142
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.2





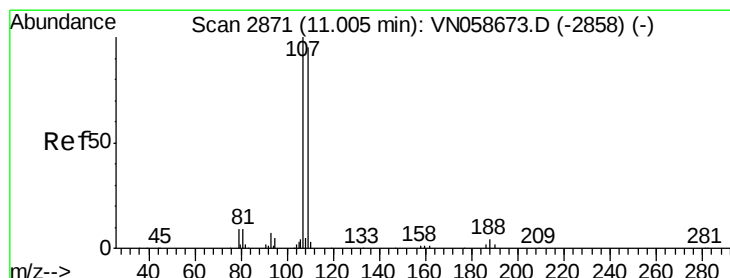
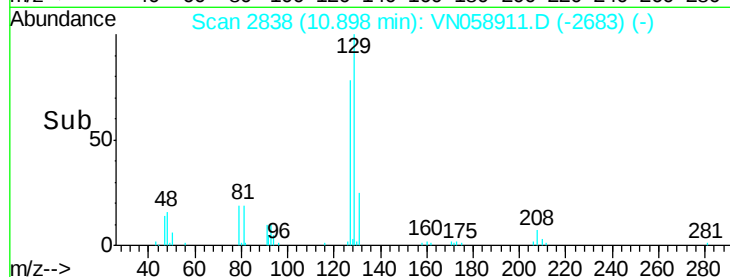
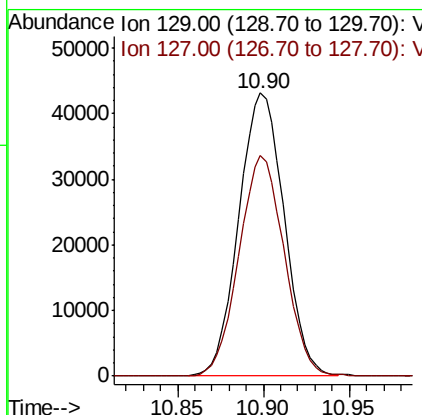
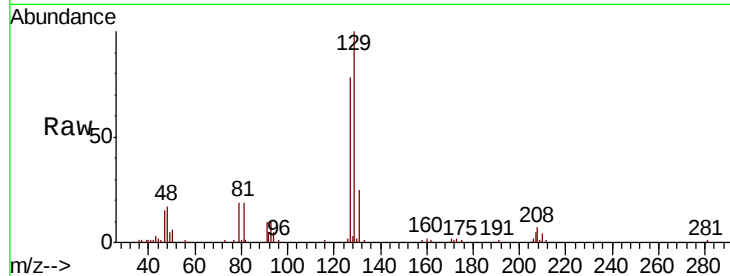
#53
 Dibromochloromethane
 Concen: 21.212 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.5	39.1	117.5	

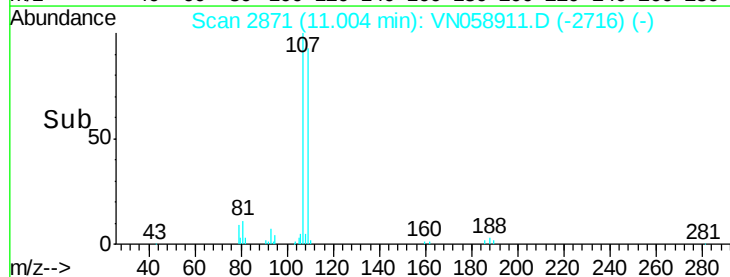
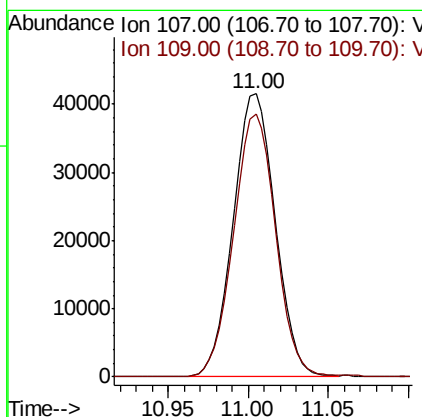
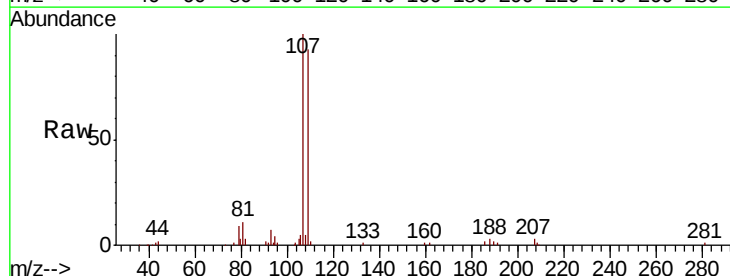
Manual Integrations
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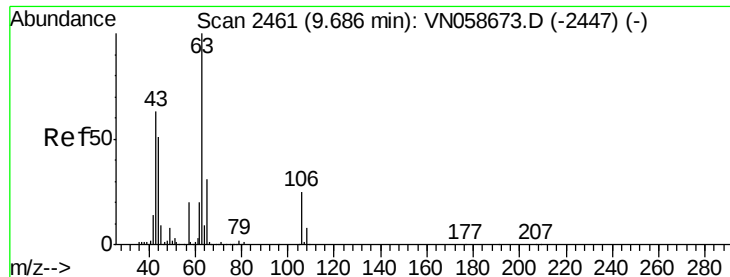
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 10/23/2019 3:09:53 PM



#54
 1,2-Dibromoethane
 Concen: 20.664 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	92.9	76.2	114.4	





#55

2-Chloroethyl vinyl ether

Concen: 93.298 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

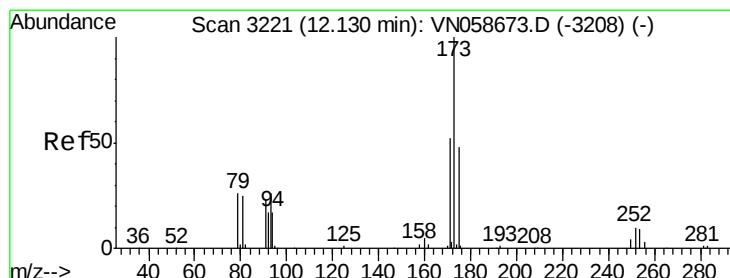
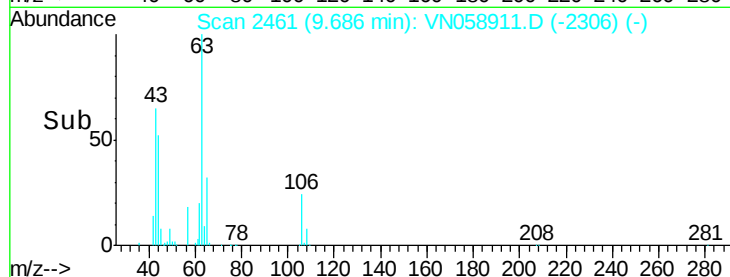
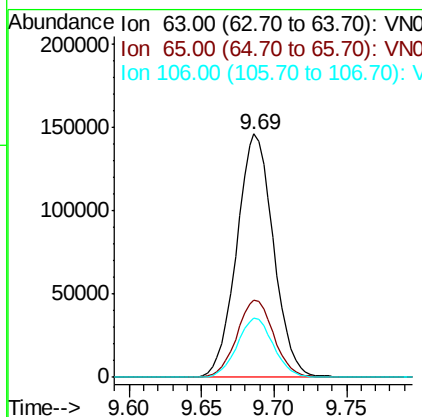
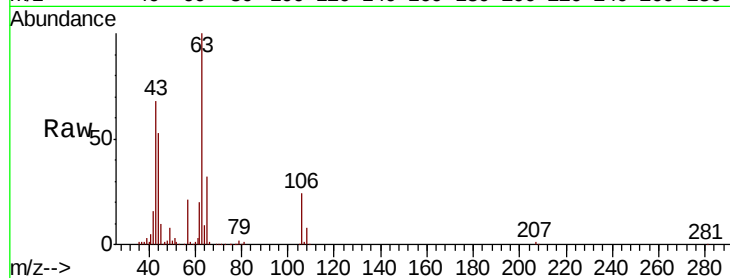
ClientSampleId :

VN1023WBS01

Manual Integrations
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Tot Ion:	63	Resp:	258017
Ion Ratio	Lower	Upper	
63	100		
65	32.0	25.3	37.9
106	24.2	19.8	29.6



#56

Bromoform

Concen: 20.834 ug/l

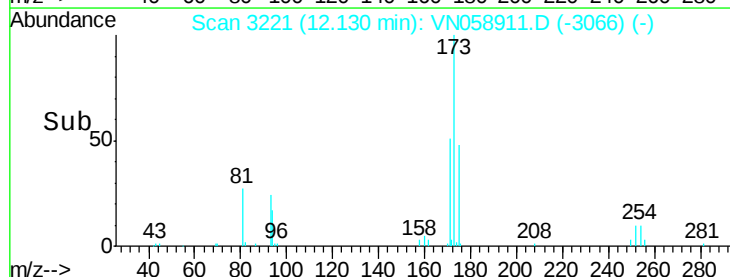
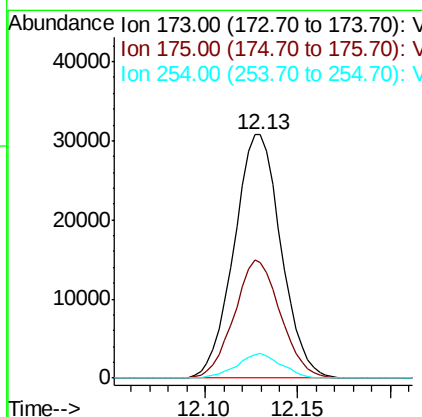
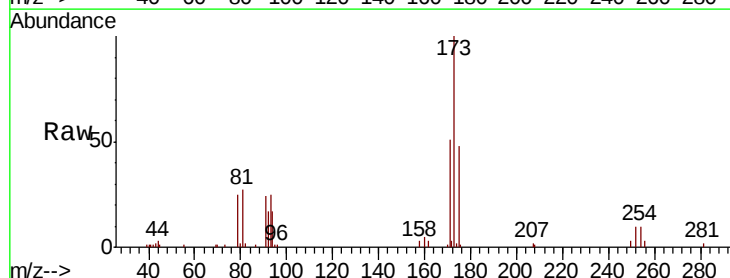
RT: 12.13 min Scan# 3221

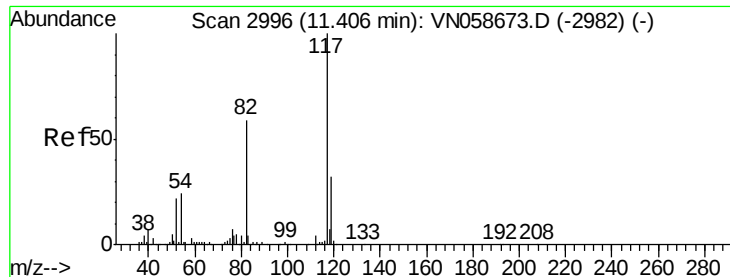
Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Tgt Ion:	173	Resp:	54154
Ion Ratio	Lower	Upper	
173	100		
175	47.6	38.7	58.1
254	9.4	7.4	11.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

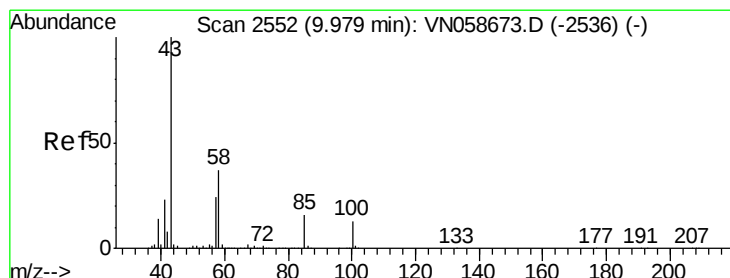
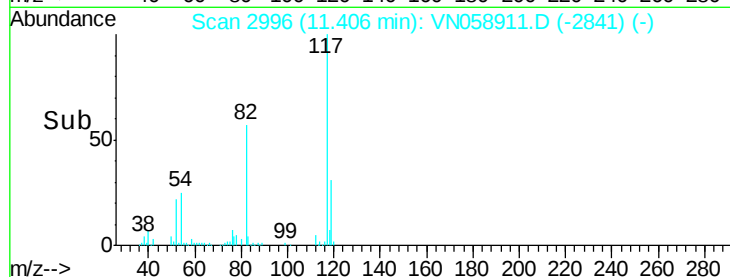
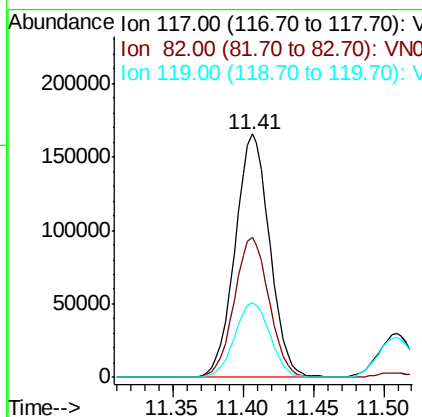
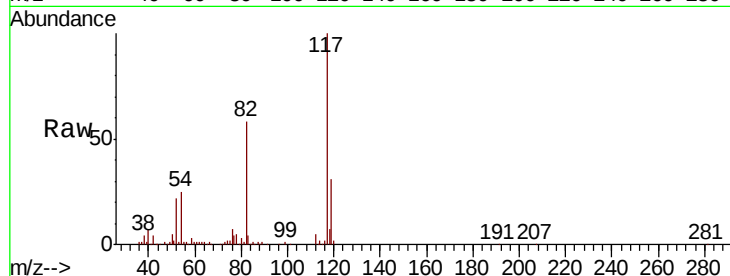
ClientSampleId :

VN1023WBS01

Tot Ion:	117	Resp:	284778
Ion Ratio	Lower	Upper	
117	100		
82	57.9	46.9	70.3
119	31.4	25.8	38.6

Manual Integrations
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#58

4-Methyl-2-Pentanone

Concen: 104.152 ug/l

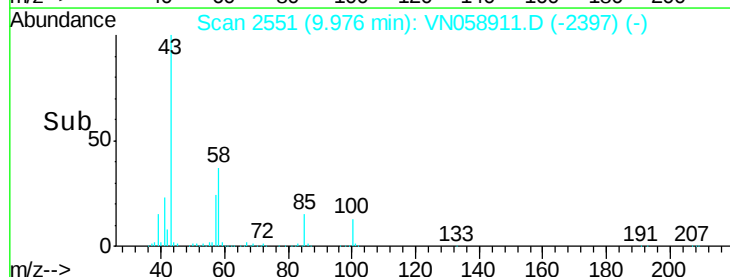
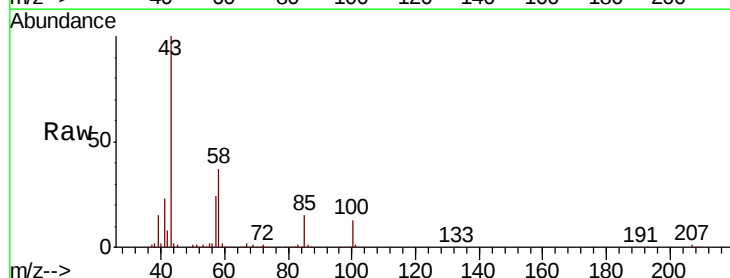
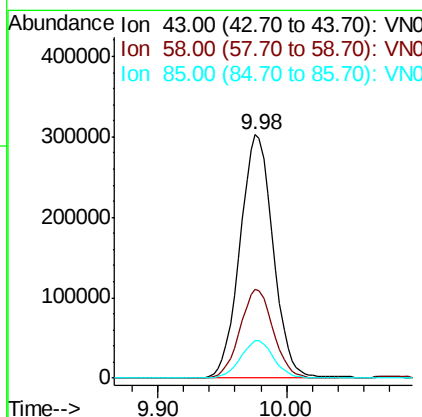
RT: 9.98 min Scan# 2551

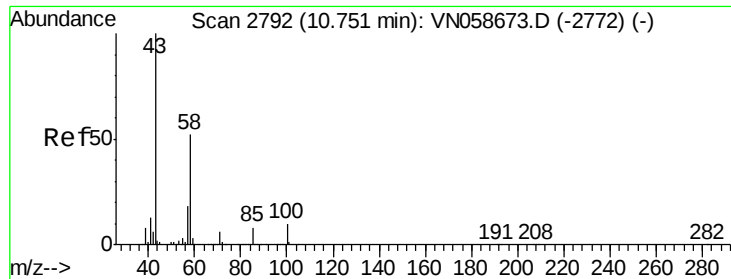
Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Tgt Ion:	43	Resp:	541078
Ion Ratio	Lower	Upper	
43	100		
58	36.6	30.1	45.1
85	15.4	13.2	19.8





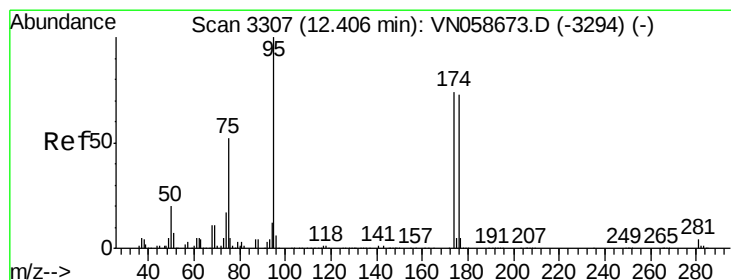
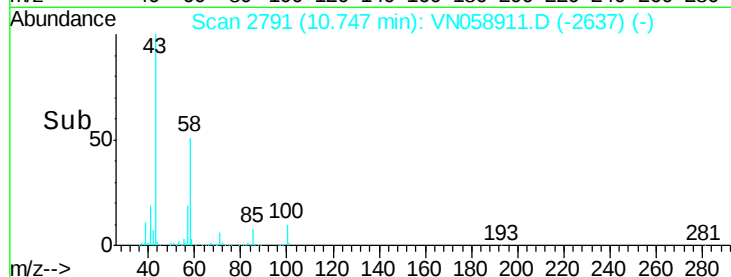
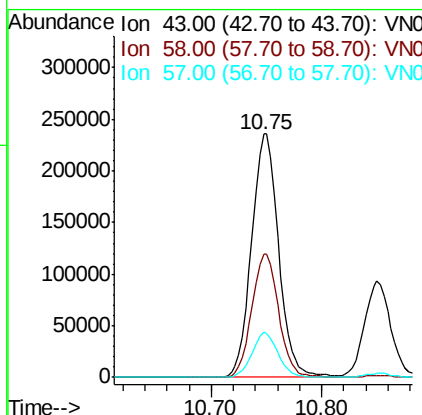
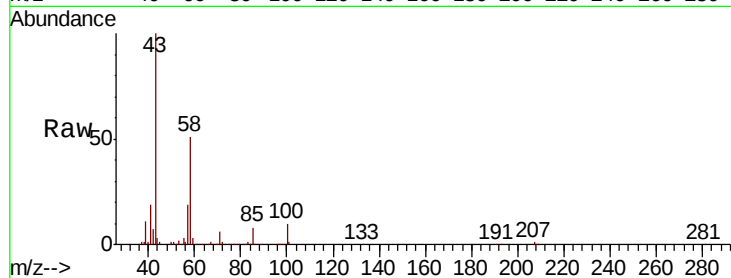
#59
2-Hexanone
Concen: 98.453 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.5	41.4	62.0
57	17.8	14.7	22.1

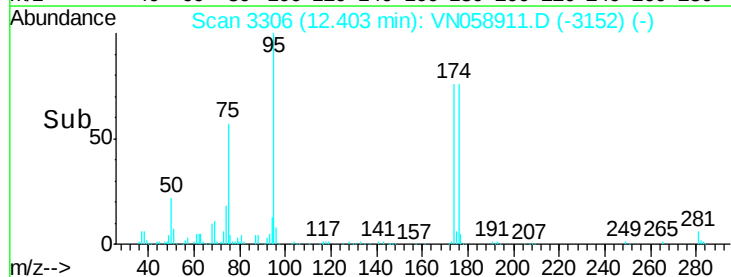
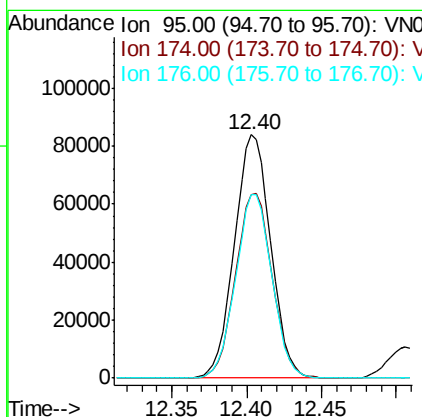
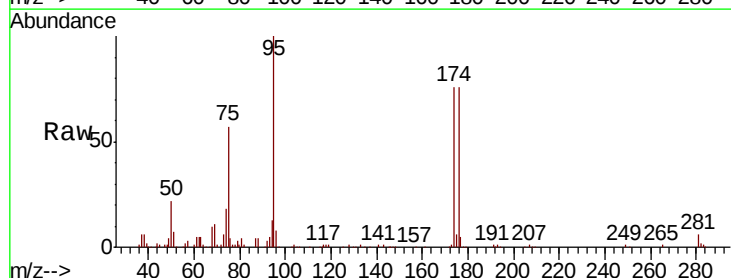
Manual Integrations
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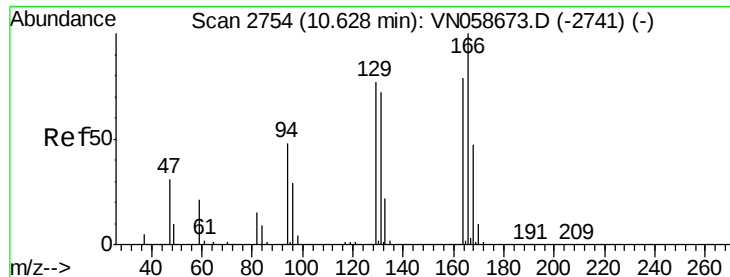
MMDadoda
10/23/2019 3:09:53 PM



#60
4-Bromofluorobenzene
Concen: 28.455 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	59.9	89.9
176	75.4	58.3	87.5





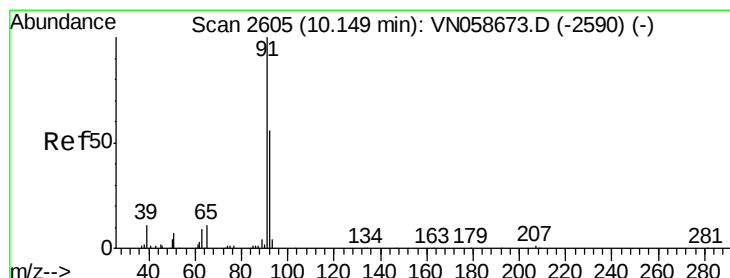
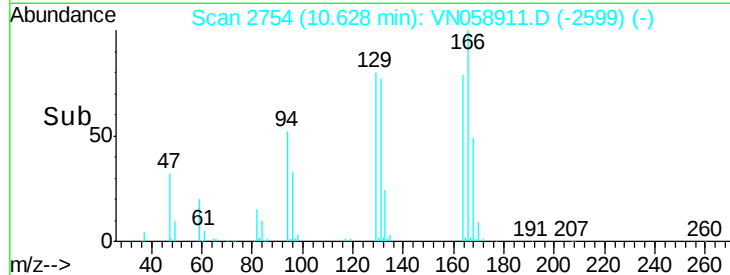
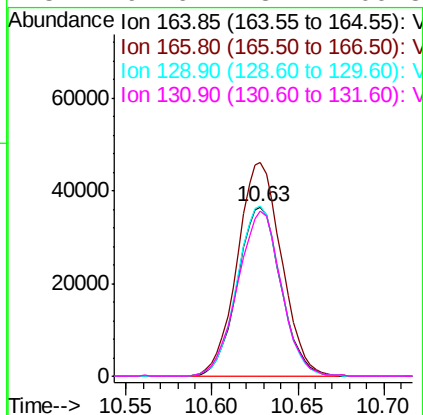
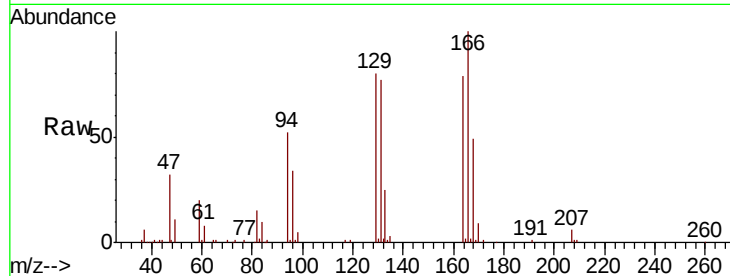
#61
Tetrachloroethene
Concen: 20.913 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.4	152.2
129	100.7	78.1	117.1
131	97.6	73.2	109.8

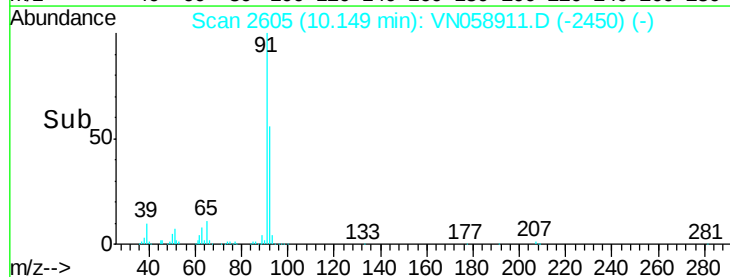
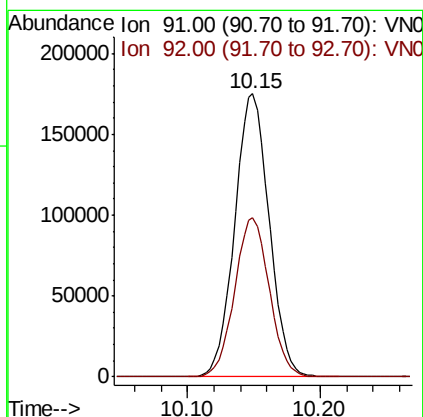
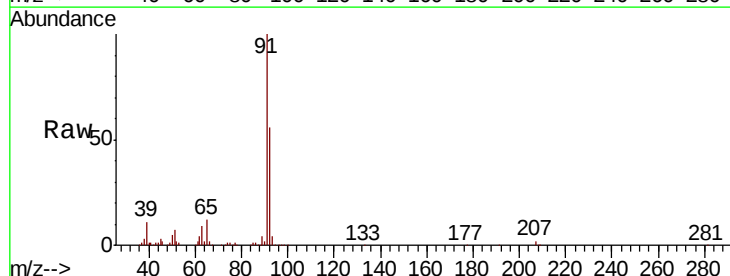
Manual Integrations
APPROVED

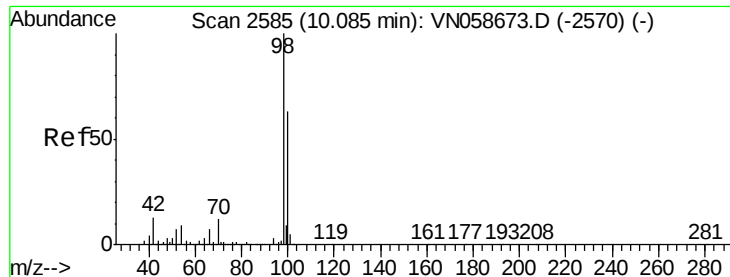
MMDadoda
10/23/2019 3:09:53 PM



#62
Toluene
Concen: 20.655 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.3	45.4	68.2





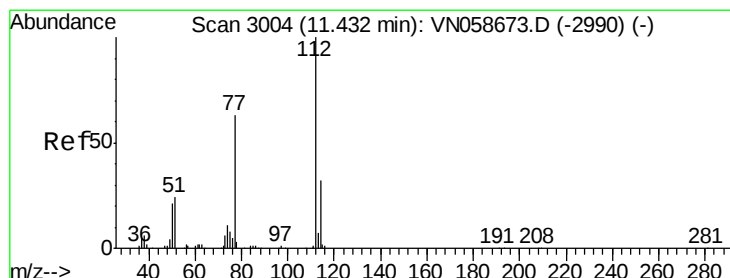
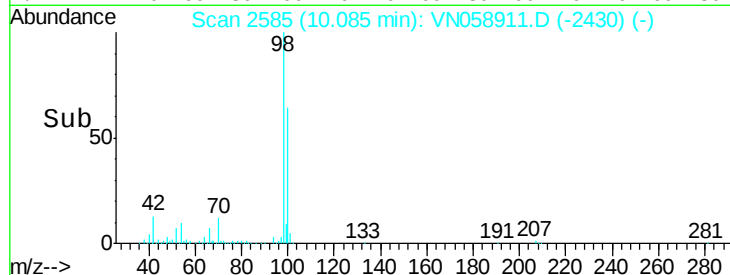
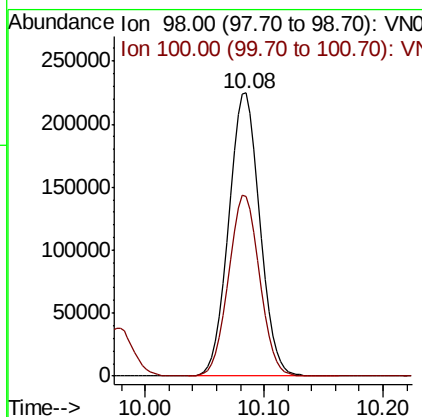
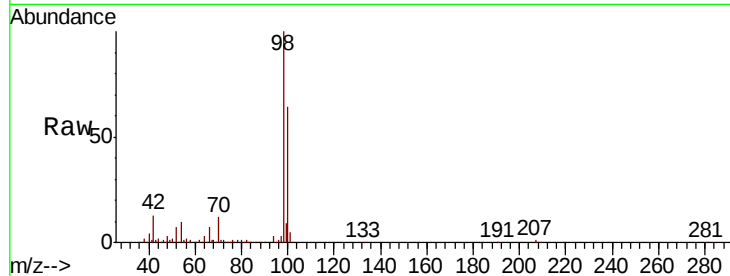
#63
Toluene-d8
Concen: 30.345 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion: 98 Resp: 408018
Ion Ratio Lower Upper
98 100
100 63.6 50.6 75.8

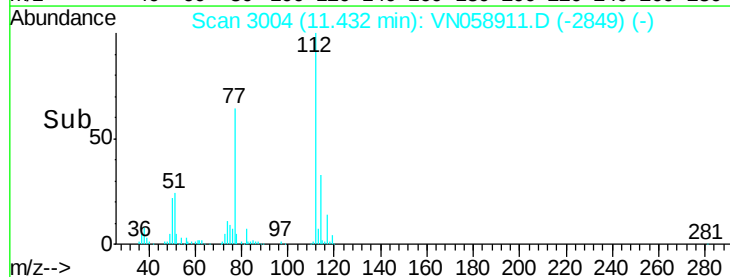
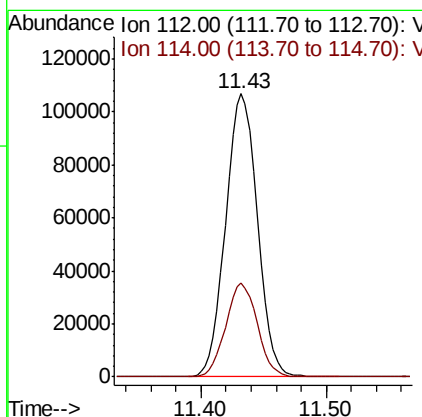
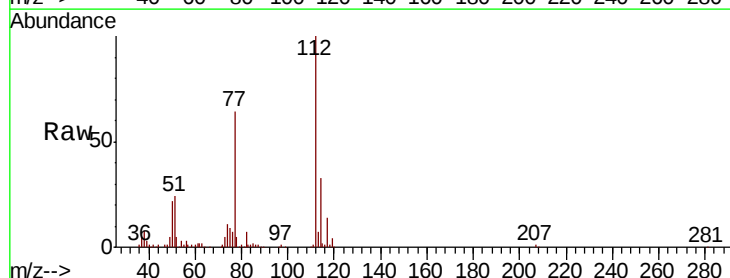
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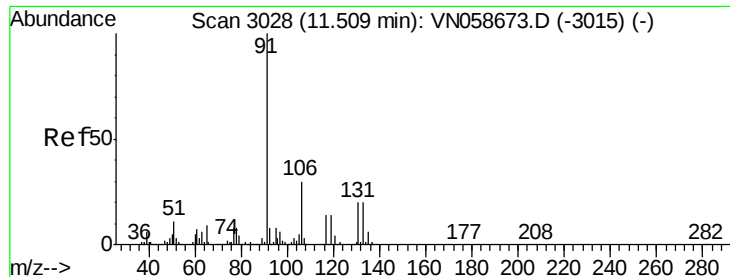
MMDadoda
10/23/2019 3:09:53 PM



#64
Chlorobenzene
Concen: 20.080 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion: 112 Resp: 188057
Ion Ratio Lower Upper
112 100
114 33.0 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 20.729 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

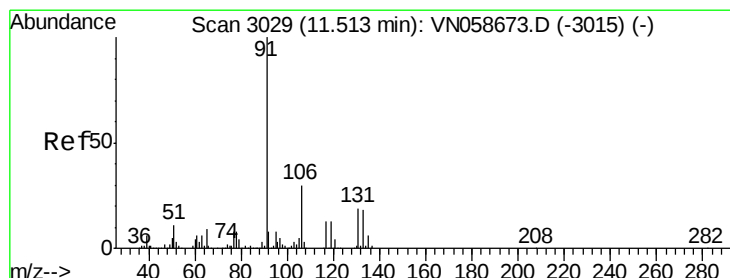
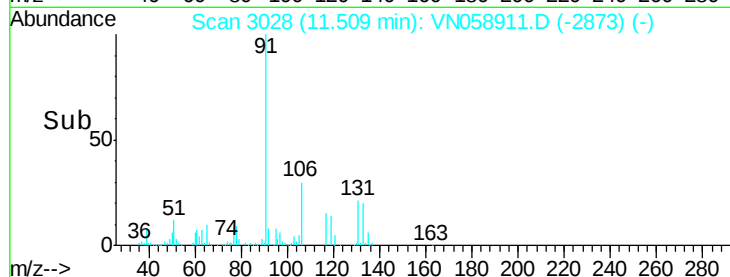
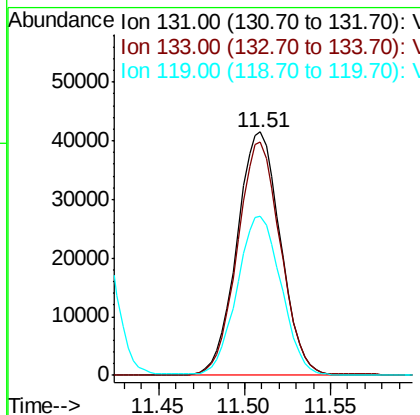
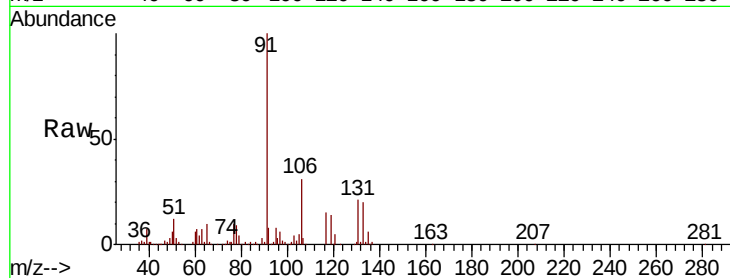
ClientSampleId :

VN1023WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	194.0
119	66.3	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.948 ug/l

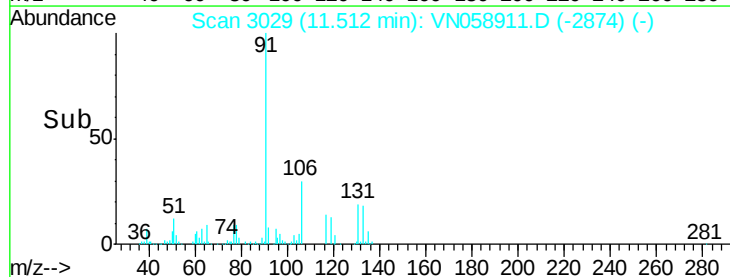
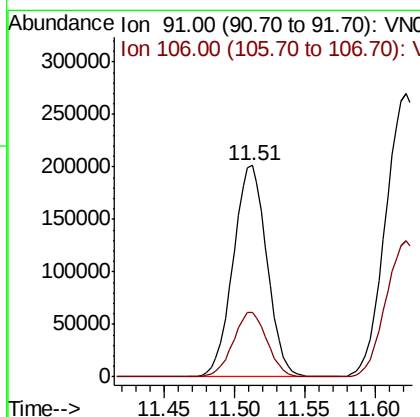
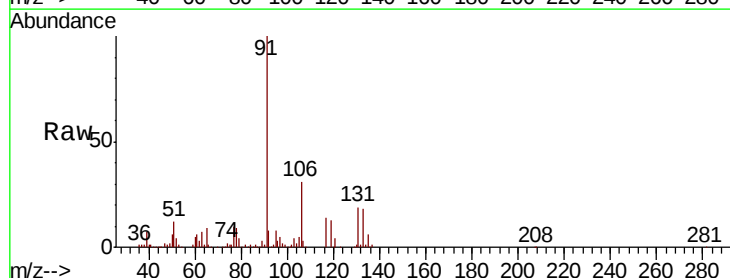
RT: 11.51 min Scan# 3029

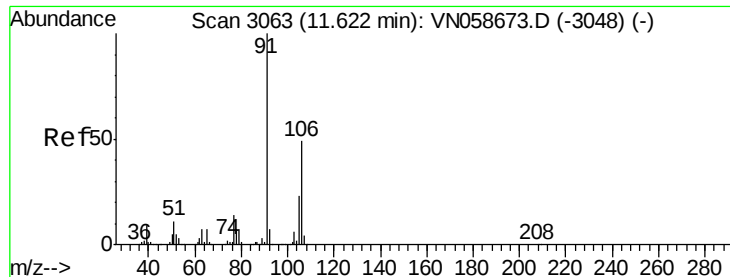
Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4





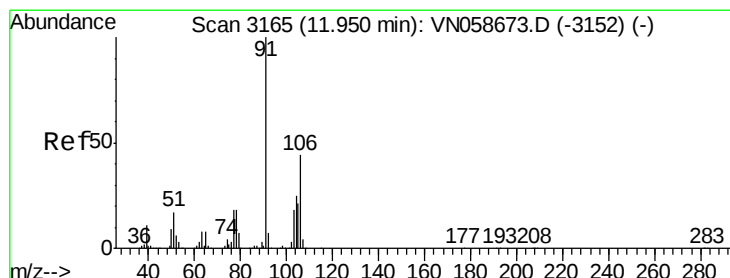
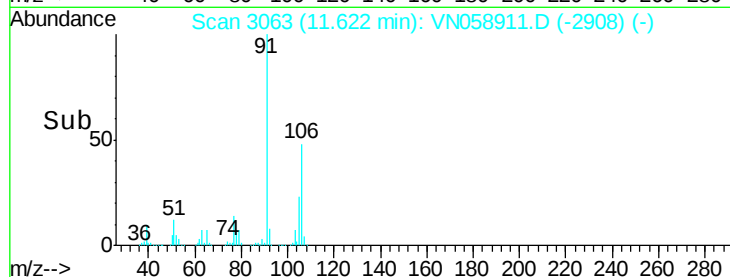
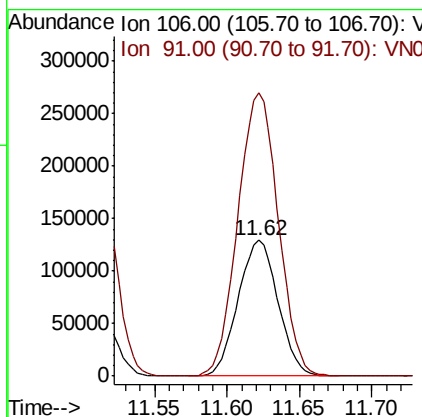
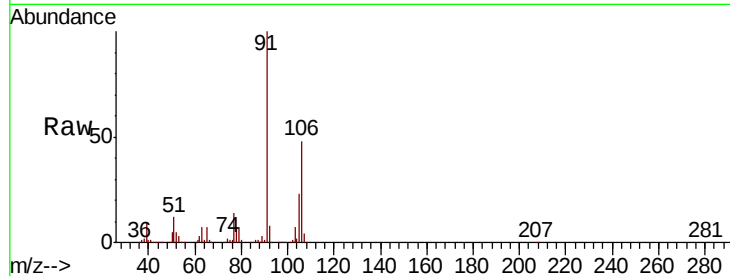
#67
m/p-Xylenes
Concen: 39.281 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.8	165.6	248.4	

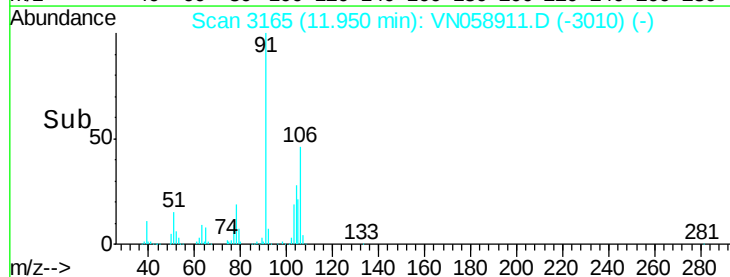
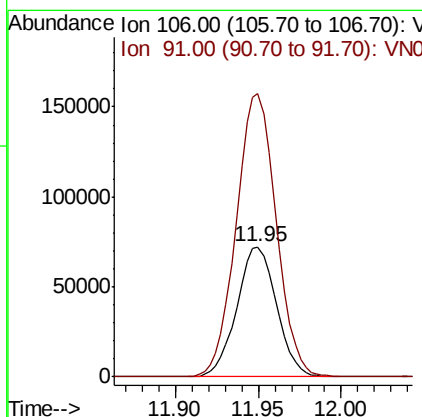
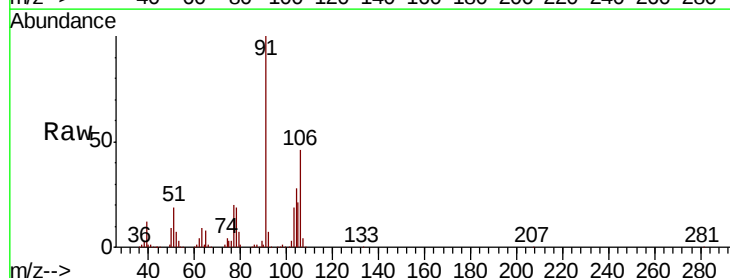
Manual Integrations
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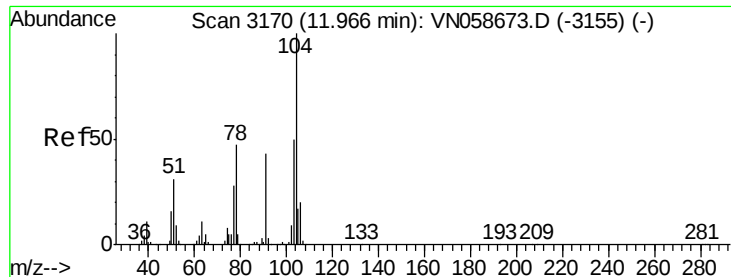
MMDadoda
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#68
o-Xylene
Concen: 19.634 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.0	109.8	329.4	





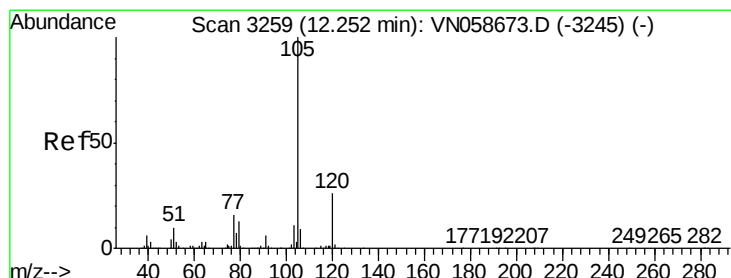
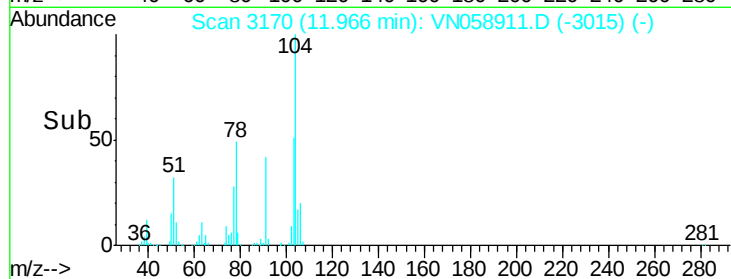
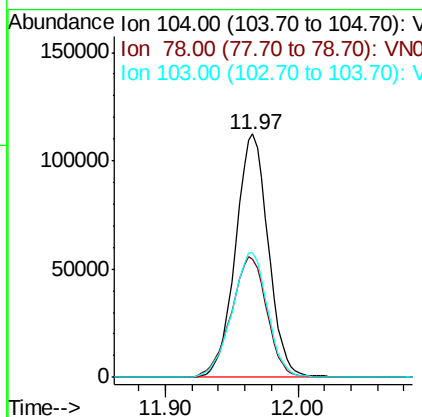
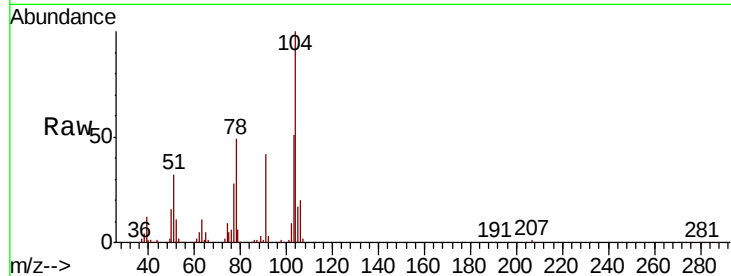
#69
Stvrene
Concen: 19.013 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.4	63.6
103	55.8	44.6	66.8

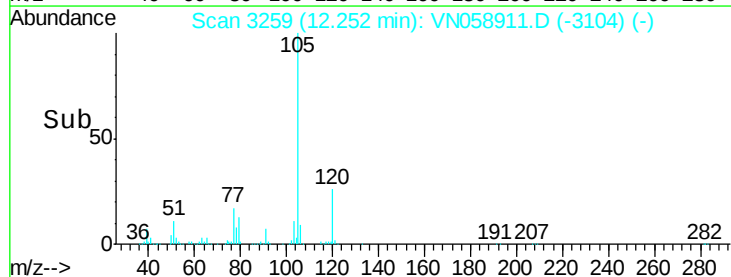
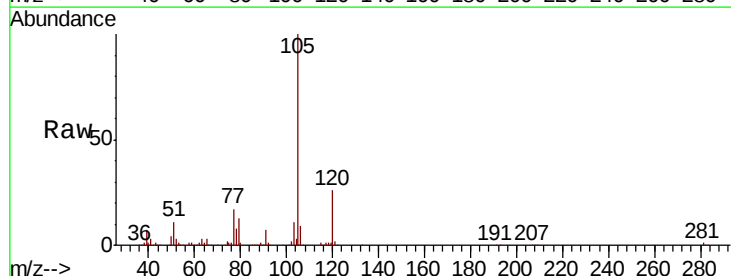
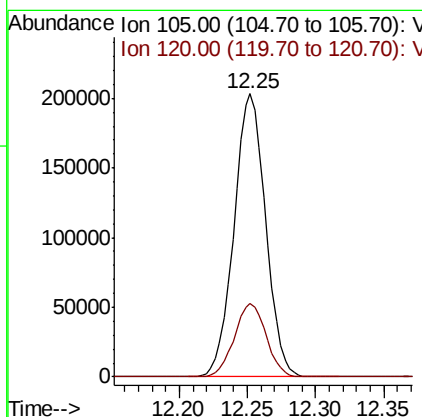
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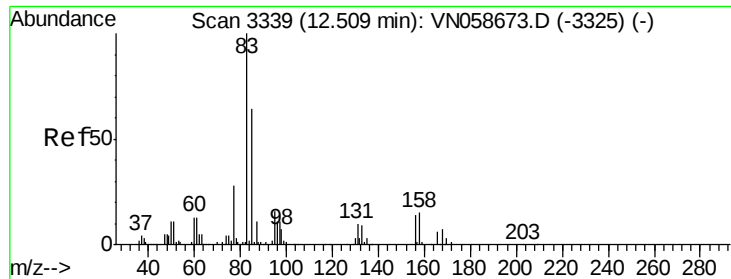
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#70
Isopropylbenzene
Concen: 19.663 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.4	34.2





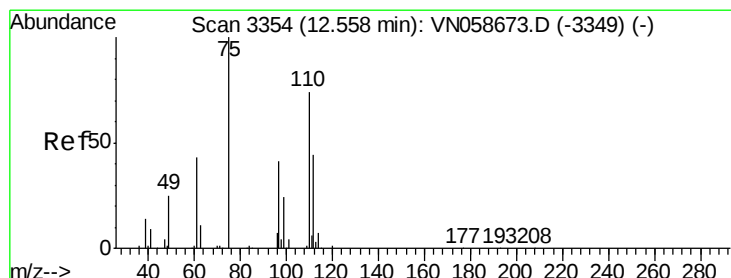
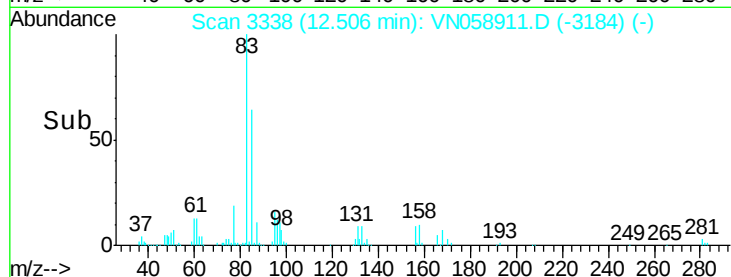
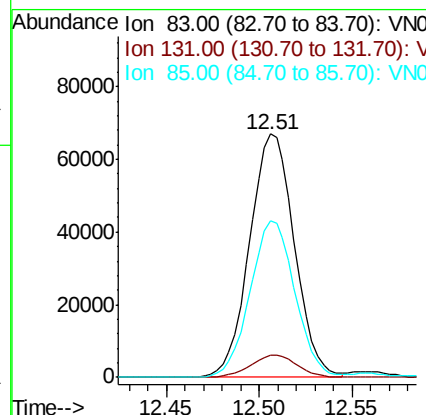
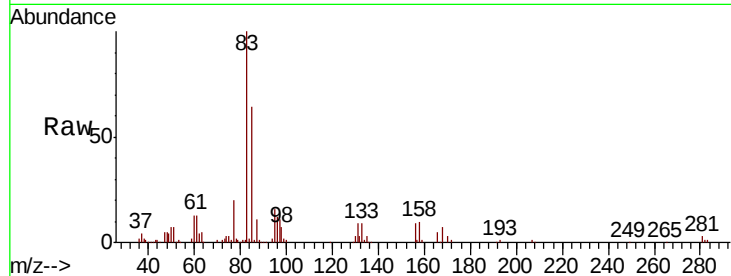
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.180 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.3	31.6	94.7

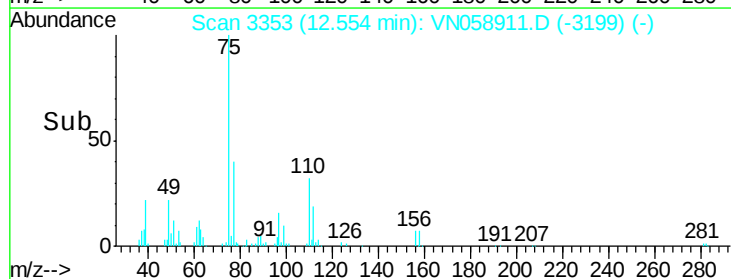
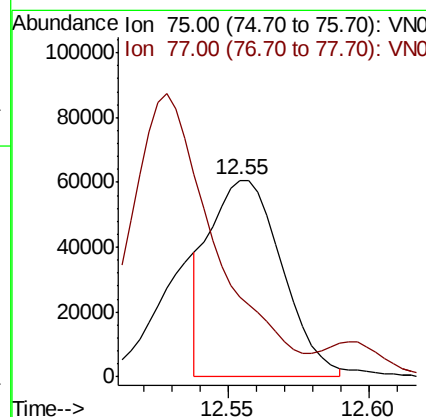
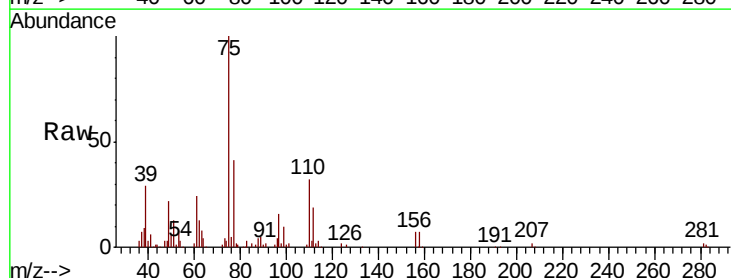
Manual Integrations
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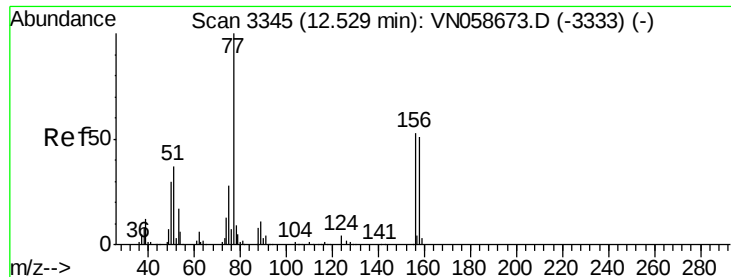
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 10/23/2019 3:09:53 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.376 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	168.6	0.0	359.4





#73

Bromobenzene

Concen: 19.950 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

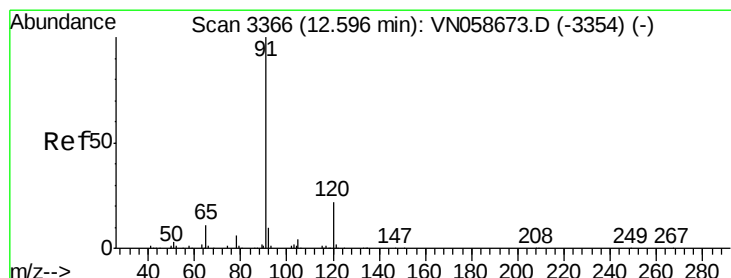
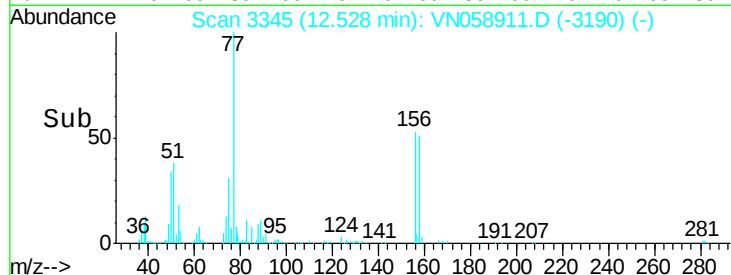
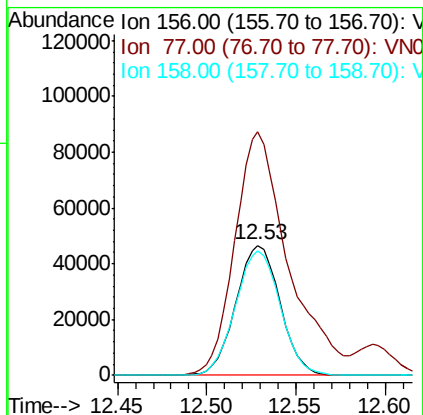
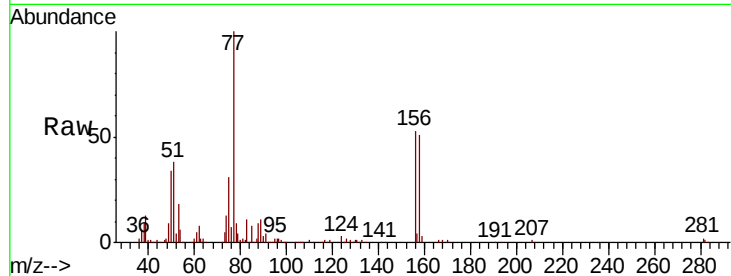
ClientSampleId :

VN1023WBS01

Tot Ion:	156	Resp:	80373
Ion Ratio	Lower	Upper	
156	100		
77	226.9	0.0	456.0
158	97.4	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 20.148 ug/l

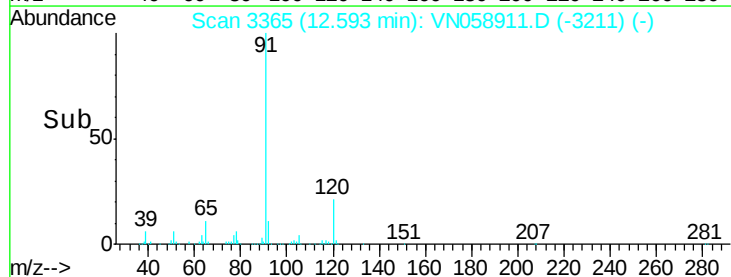
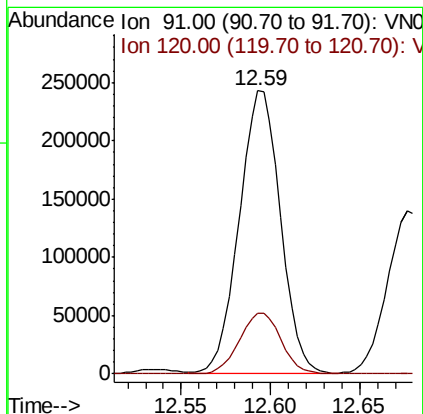
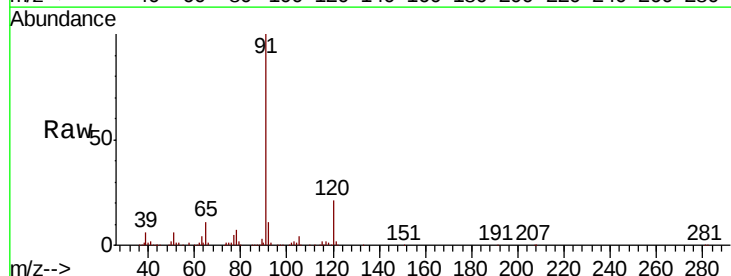
RT: 12.59 min Scan# 3365

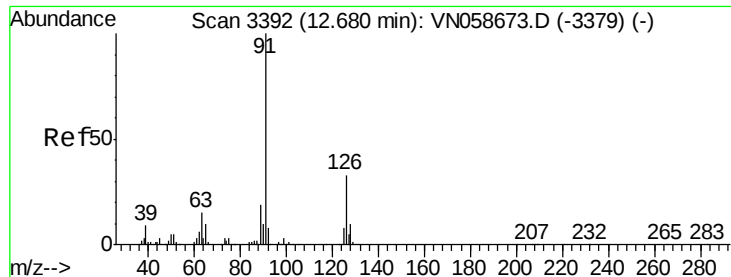
Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Tgt Ion:	91	Resp:	391152
Ion Ratio	Lower	Upper	
91	100		
120	21.6	0.0	43.6





#75

2-Chlorotoluene

Concen: 19.947 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 91 Resp: 232990

Ion Ratio Lower Upper

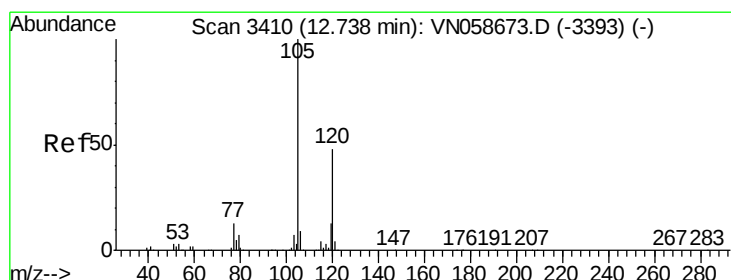
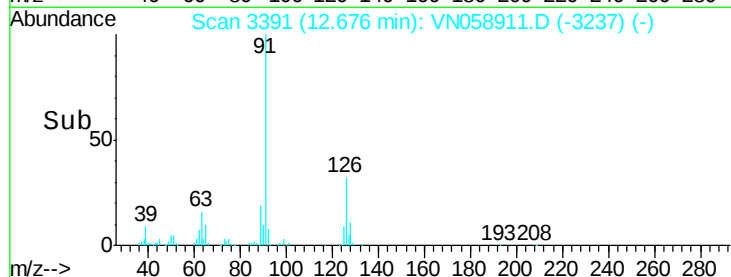
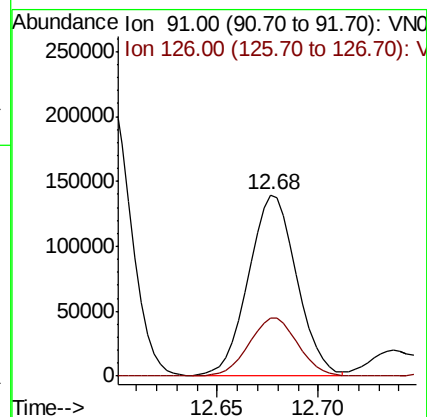
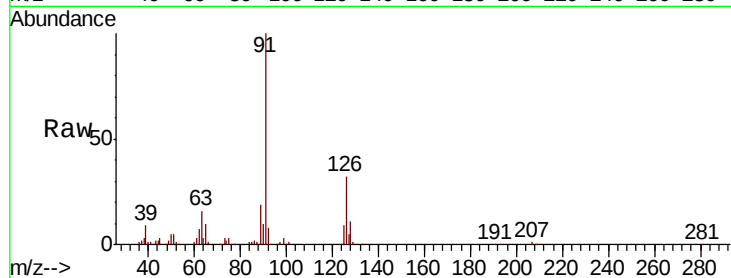
91 100

126 32.5 0.0 65.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.745 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058911.D

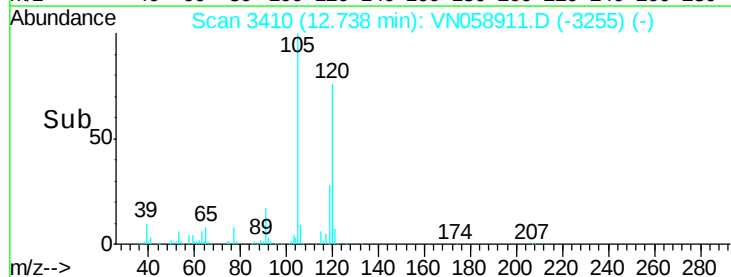
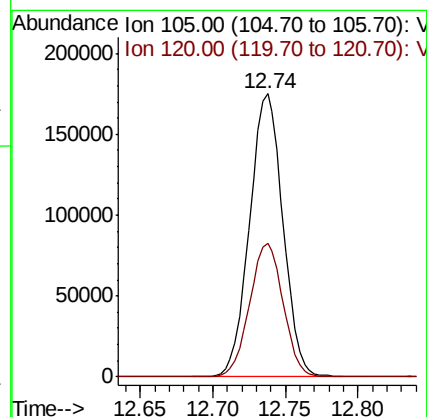
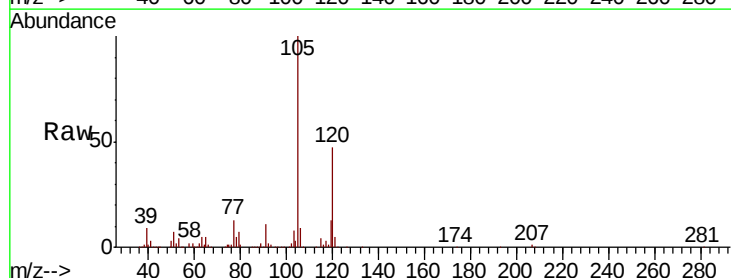
Acq: 22 Oct 2019 16:08

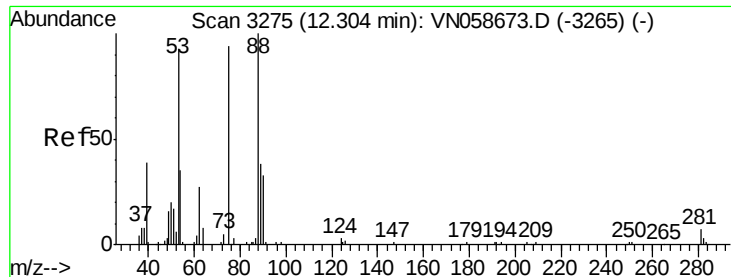
Tgt Ion: 105 Resp: 280499

Ion Ratio Lower Upper

105 100

120 47.4 0.0 94.0





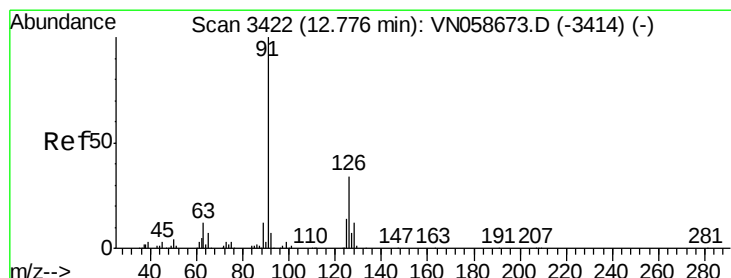
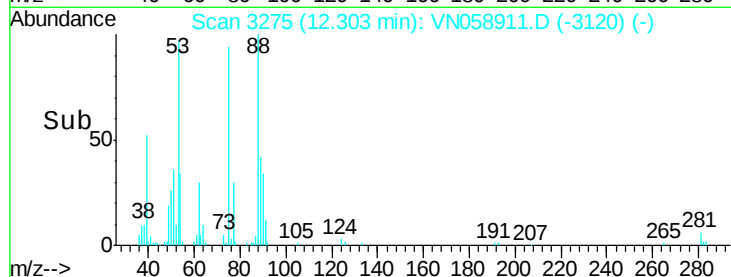
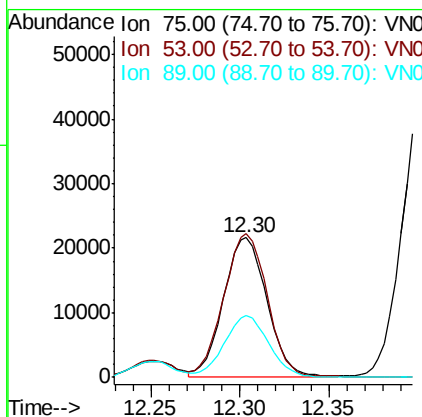
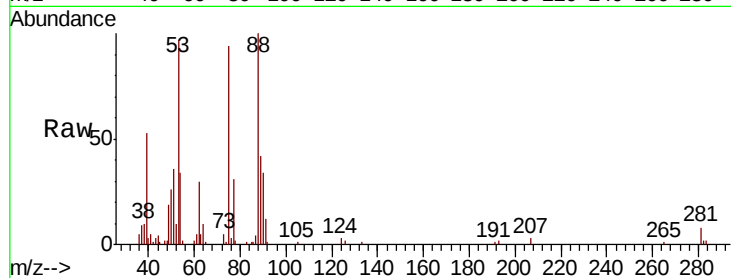
#77
t-1,4-Dichloro-2-butene
Concen: 19.060 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.4	50.0	150.0
89	44.8	20.7	62.1

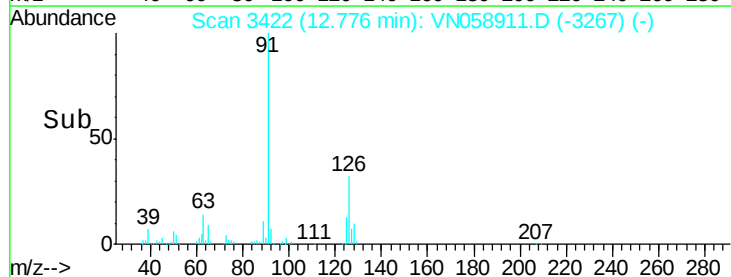
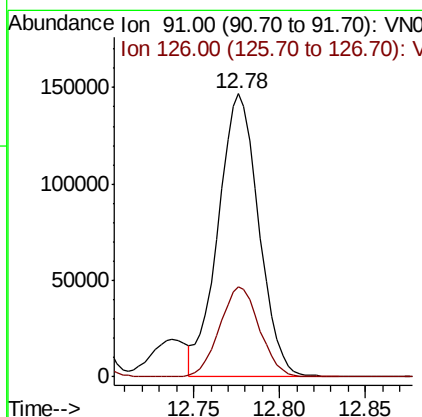
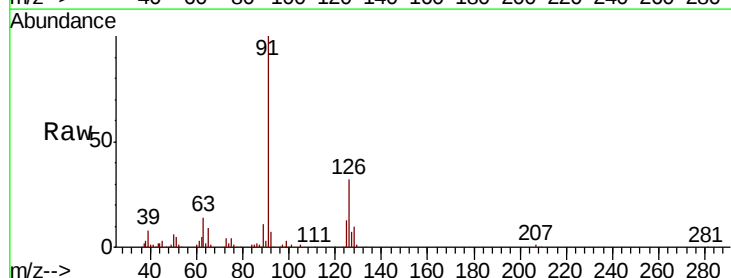
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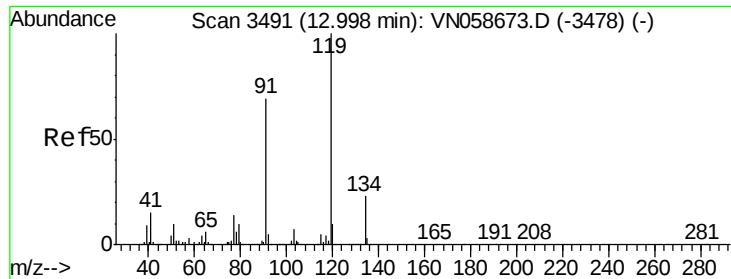
MMDadoda
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#78
4-Chlorotoluene
Concen: 20.008 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	0.0	63.4





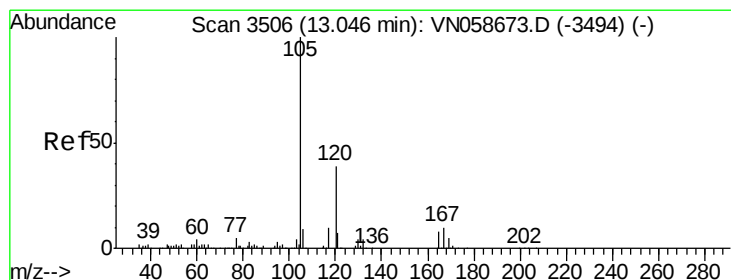
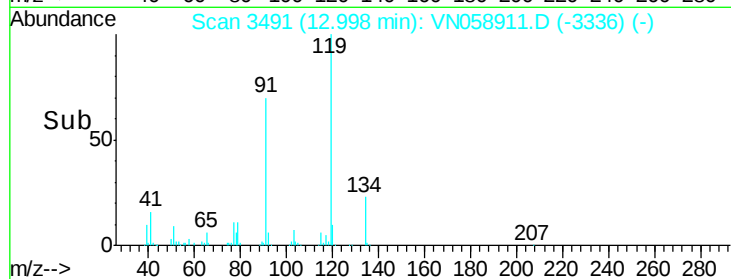
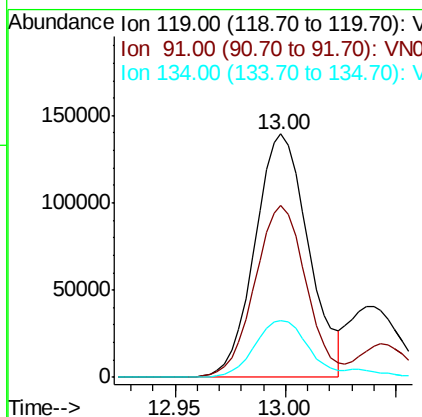
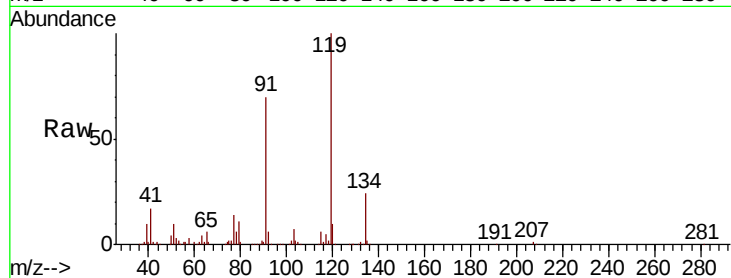
#79
tert-butylbenzene
Concen: 19.312 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	234390		
91	67.7	0.0	136.4	
134	23.5	0.0	47.2	

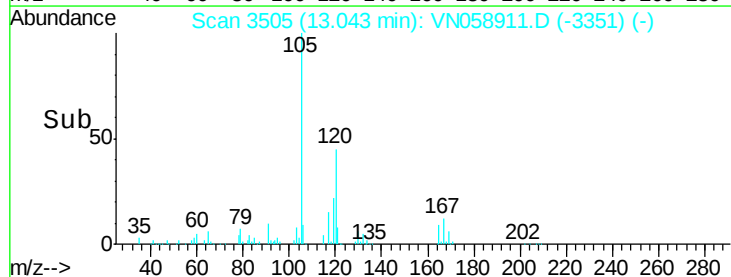
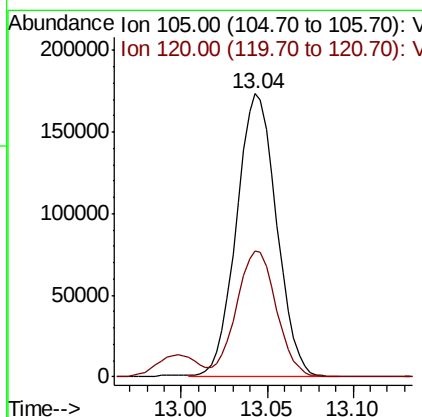
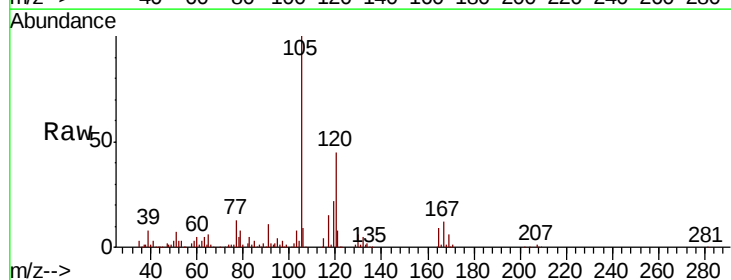
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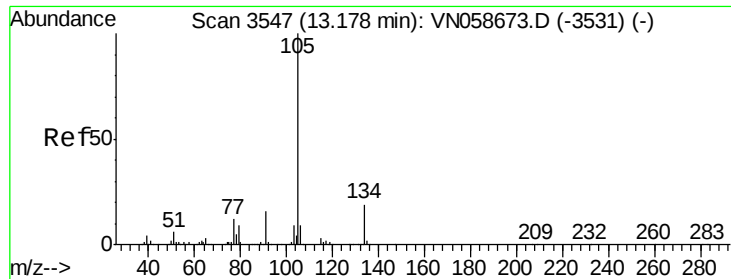
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.873 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280534		
120	44.7	0.0	89.2	





#81

sec-Butylbenzene

Concen: 19.545 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Instrument :

MSVOA_N

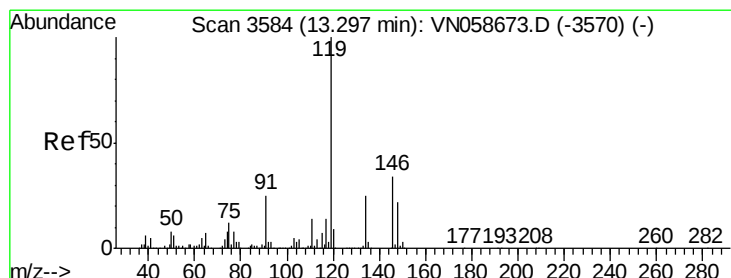
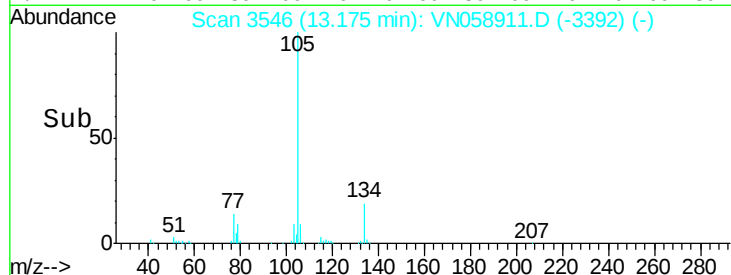
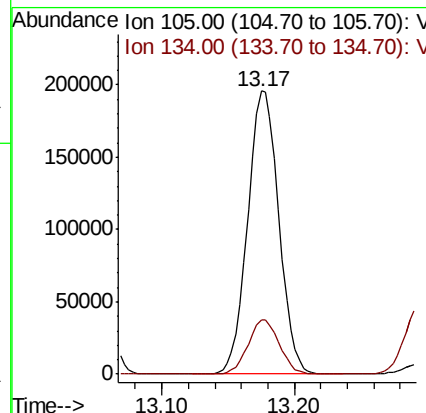
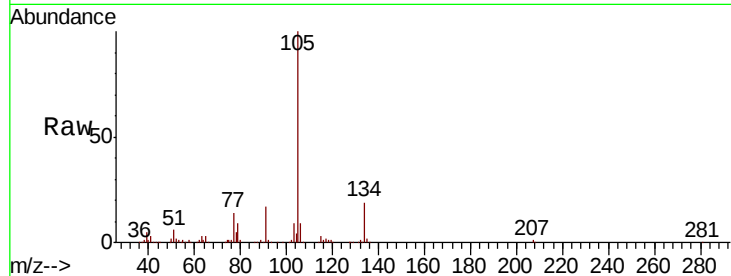
ClientSampleId :

VN1023WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	319249		
134	19.2	0.0	38.0	

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#82

p-Isopropyltoluene

Concen: 19.310 ug/l

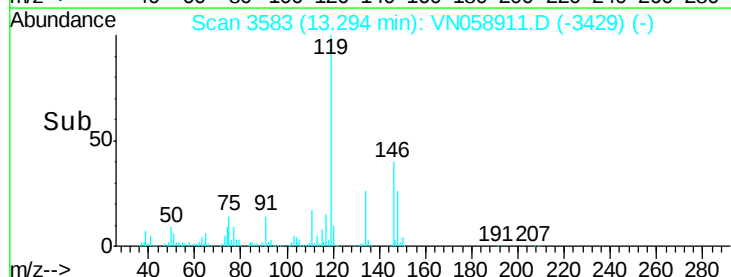
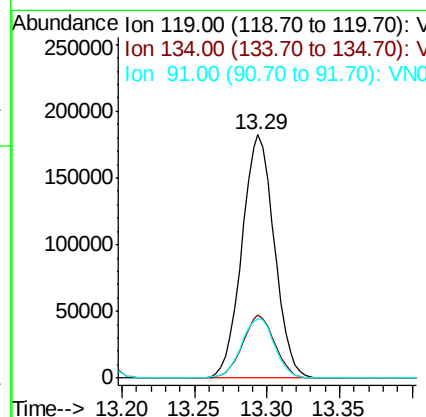
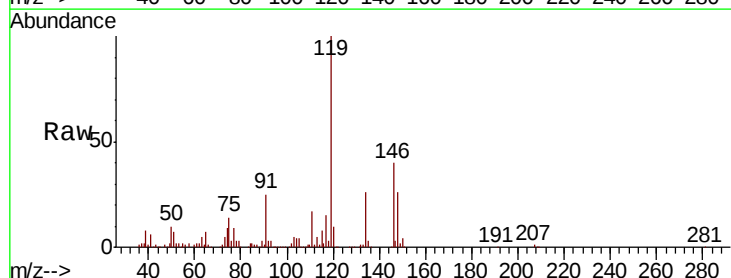
RT: 13.29 min Scan# 3583

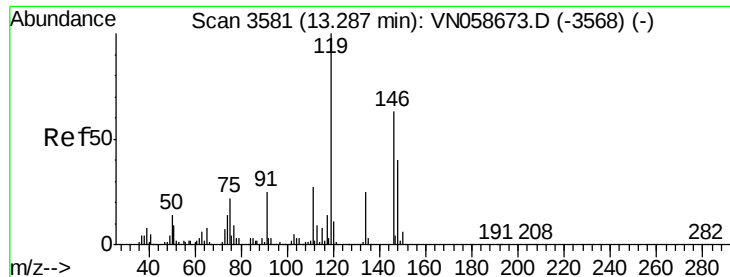
Delta R.T. -0.00 min

Lab File: VN058911.D

Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	283230		
134	25.6	0.0	50.8	
91	25.4	0.0	49.4	





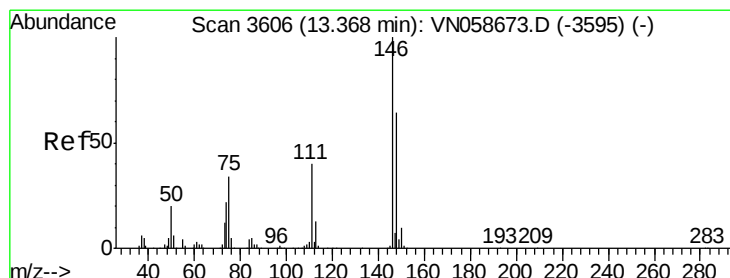
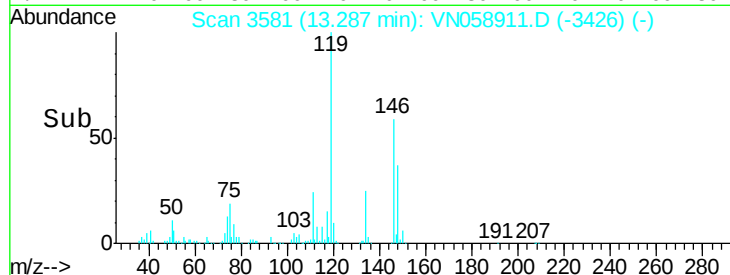
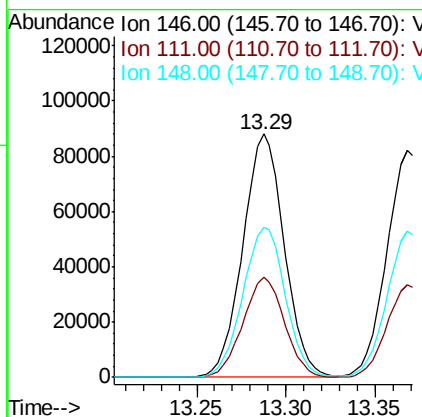
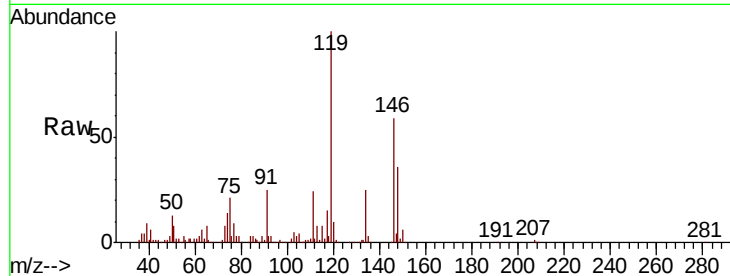
#83
 1,3-Dichlorobenzene
 Concen: 19.568 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.0	63.0
148	63.5	31.7	95.1

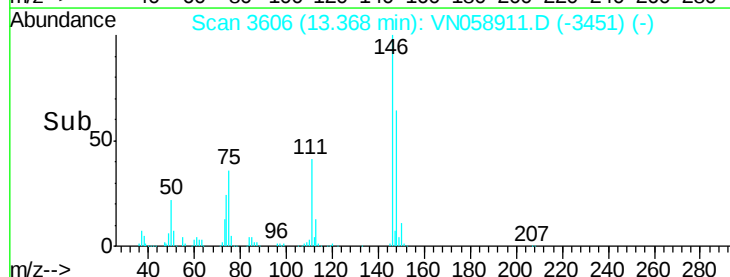
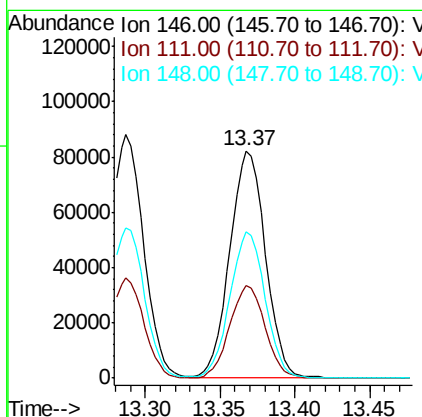
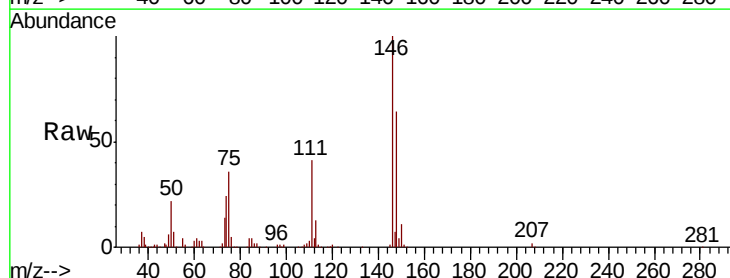
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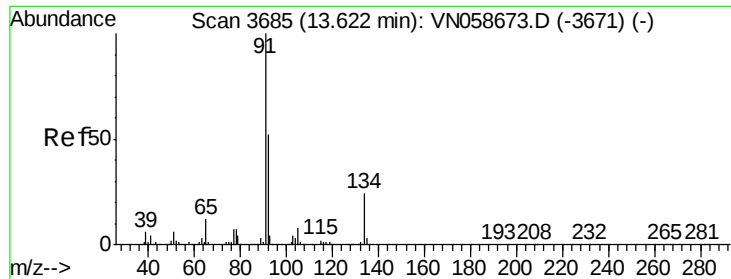
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#84
 1,4-Dichlorobenzene
 Concen: 18.717 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.8	59.4
148	63.4	31.6	94.8





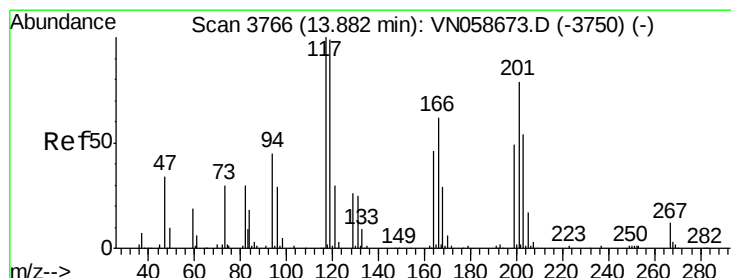
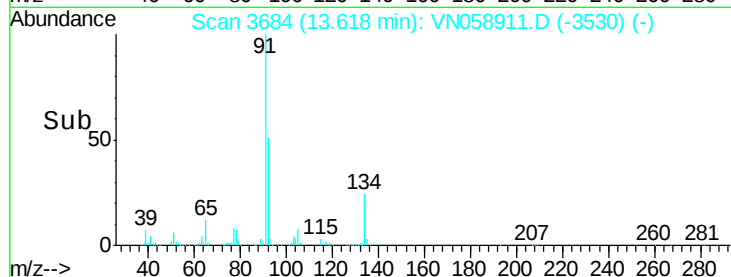
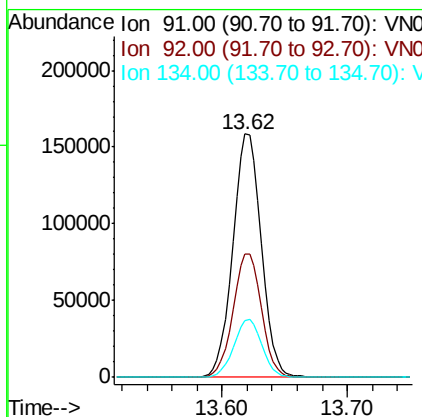
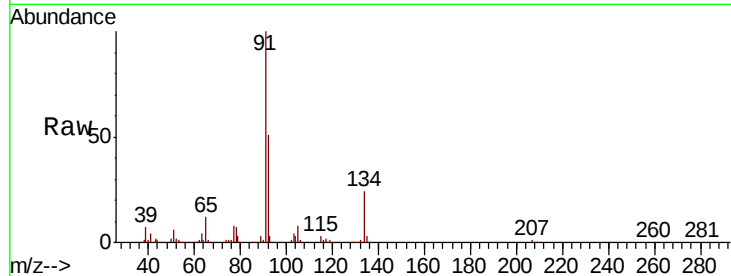
#85
n-Butylbenzene
Concen: 18.597 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	102.8
134	23.7	0.0	48.6

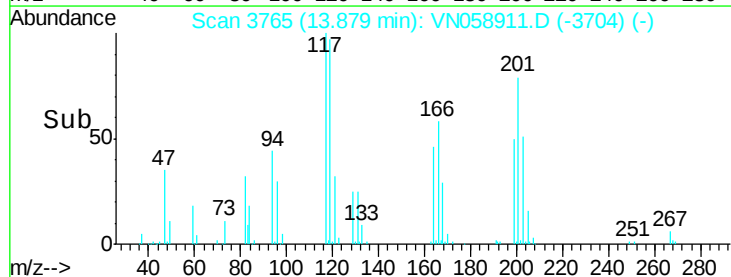
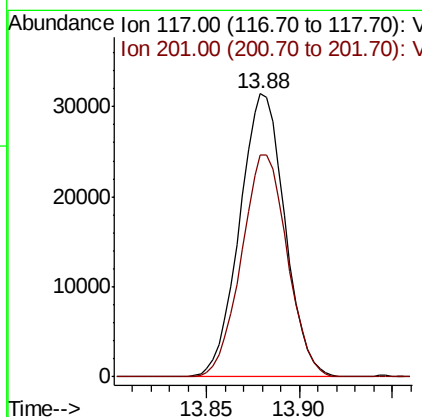
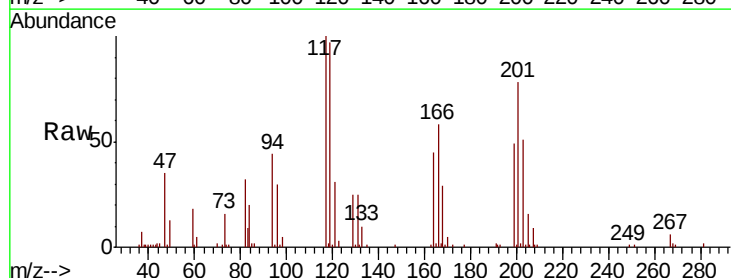
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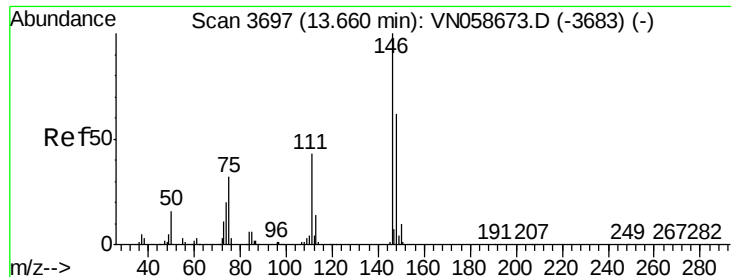
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#86
Hexachloroethane
Concen: 20.019 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.3	38.7	116.1





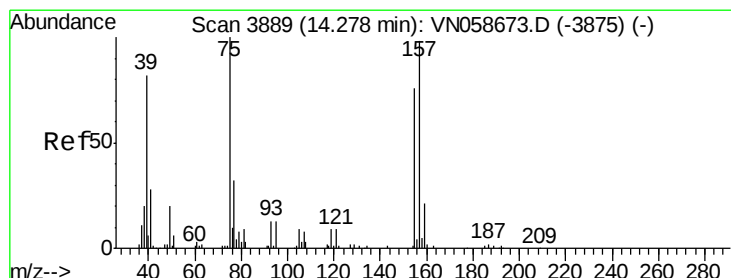
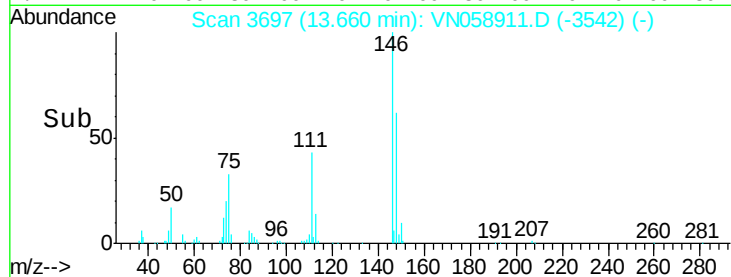
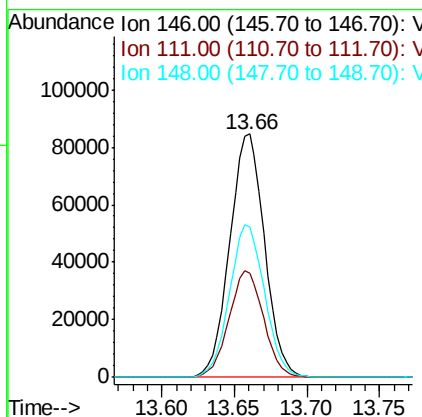
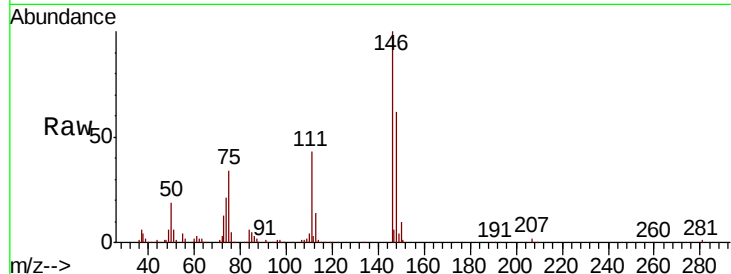
#87
 1,2-Dichlorobenzene
 Concen: 19.651 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.1	32.1	96.5

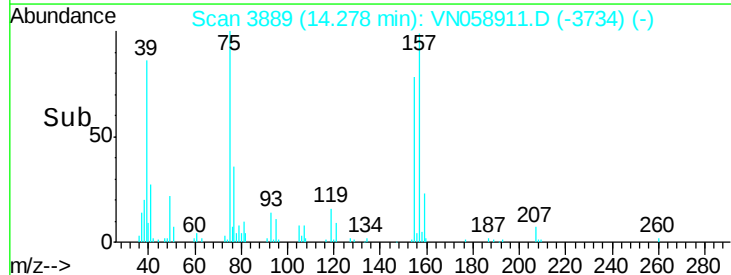
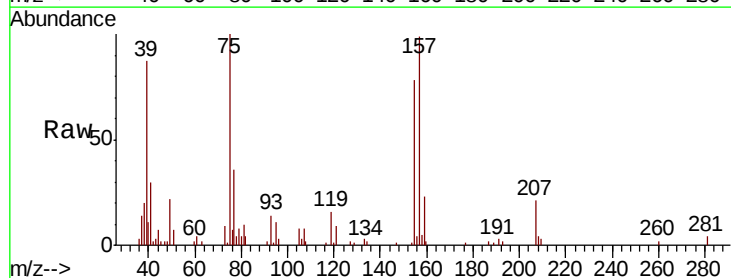
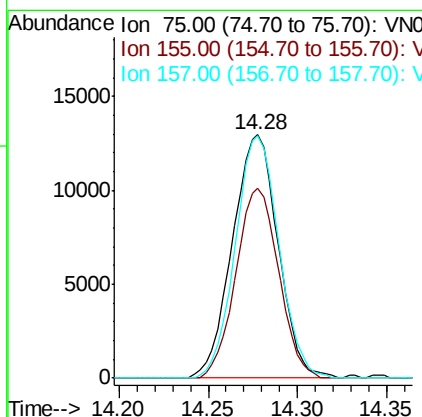
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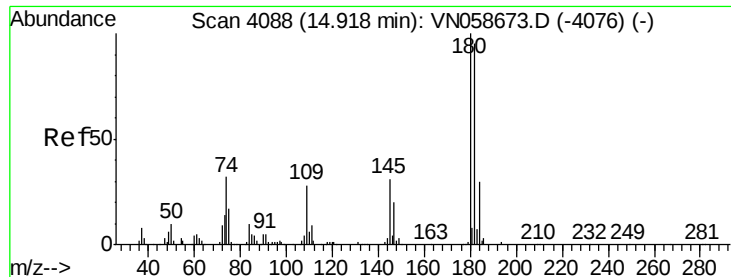
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.678 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058911.D
 Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	58.3	87.5
157	94.7	75.0	112.6





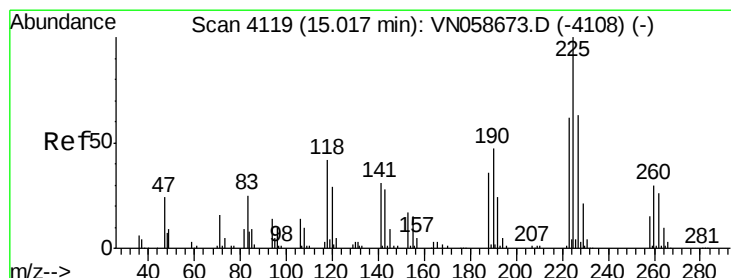
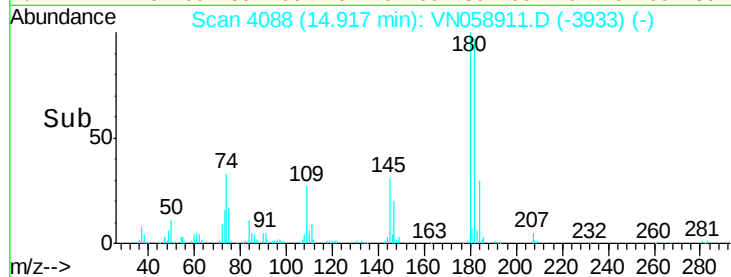
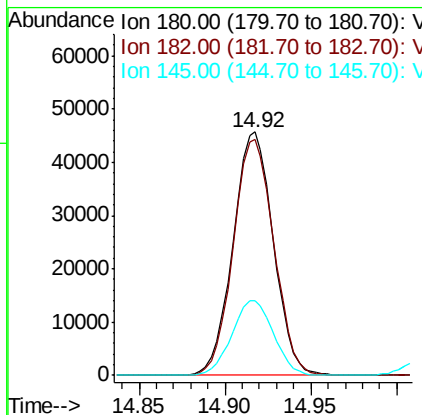
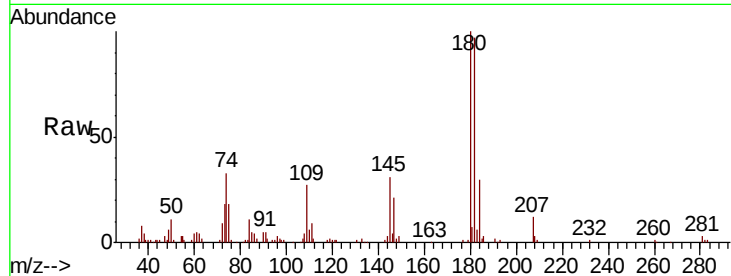
#89
1,2,4-Trichlorobenzene
Concen: 16.415 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.3	112.9
145	31.7	24.8	37.2

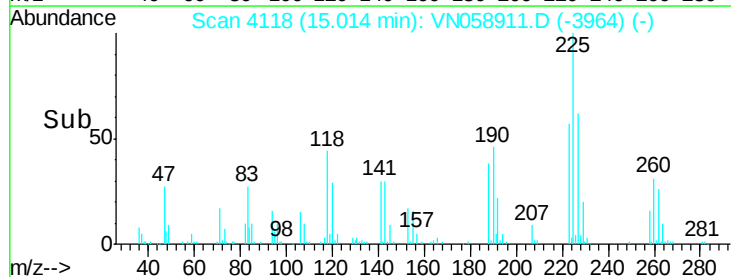
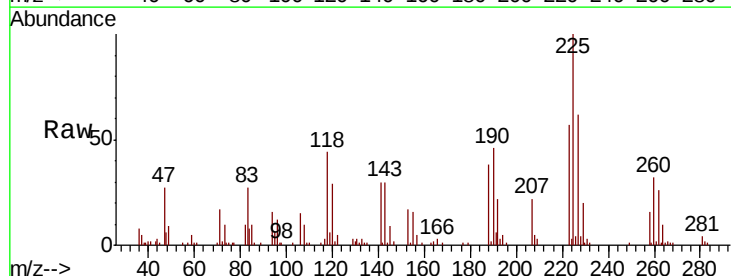
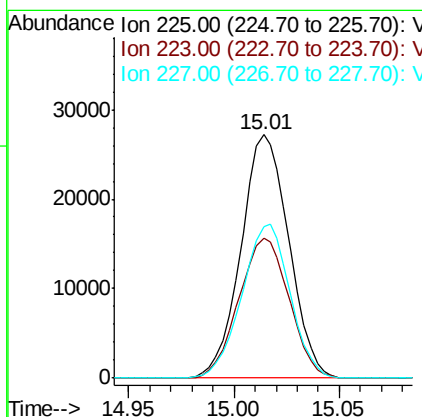
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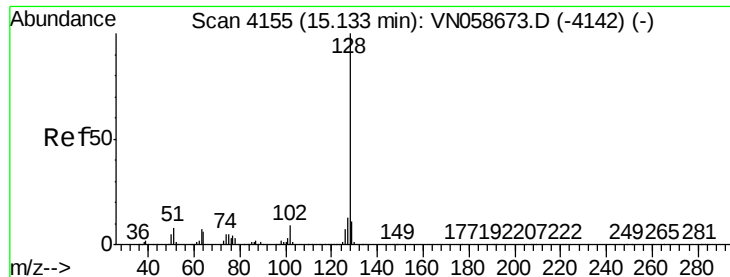
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#90
Hexachlorobutadiene
Concen: 18.283 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	0.0	126.2
227	63.5	0.0	127.0





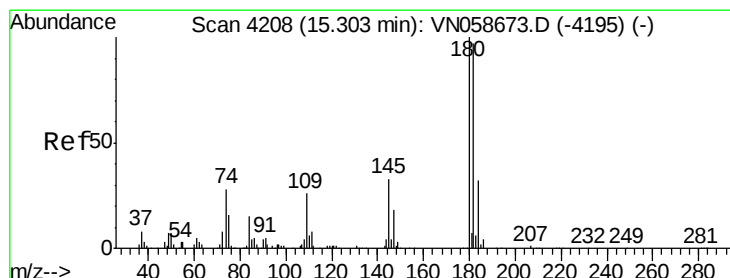
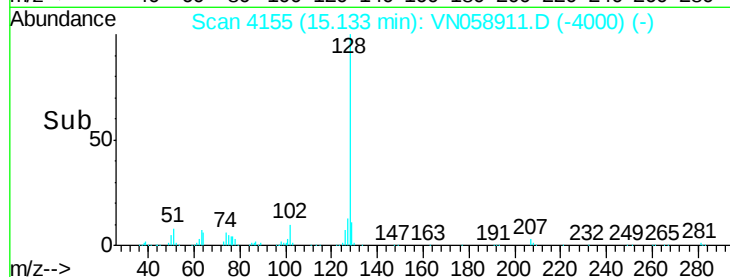
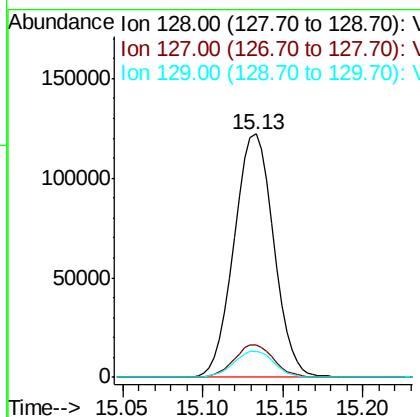
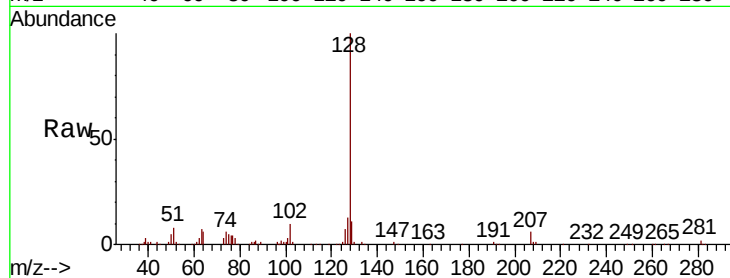
#91
Naphthalene
Concen: 15.371 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.012 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058911.D
Acq: 22 Oct 2019 16:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	0.0	193.4
145	33.2	0.0	65.8

