

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101219\
 Data File : VN058687.D
 Acq On : 11 Oct 2019 8:43
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 4:59:16 PM

Quant Time: Oct 11 17:31:59 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	7.17	128	60493	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	328894	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	307446	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	154595	30.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.37%
60) 4-Bromofluorobenzene	12.40	95	158925	29.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.50%
63) Toluene-d8	10.08	98	429788	29.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	71525	21.822 ug/l	98
3) Chloromethane	2.04	50	90784	20.736 ug/l	100
4) Vinyl Chloride	2.17	62	90010	19.892 ug/l	96
5) Bromomethane	2.55	94	56169	20.105 ug/l	98
6) Chloroethane	2.69	64	58423	20.541 ug/l	97
7) Trichlorofluoromethane	3.00	101	118709	21.314 ug/l	98
8) Diethyl Ether	3.39	74	42677	20.091 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66517	20.641 ug/l	98
10) 1,1-Dichloroethene	3.72	96	61698	19.493 ug/l	99
11) Methyl Iodide	3.93	142	85809	19.467 ug/l	99
12) Methyl Acetate	4.30	43	101340	20.012 ug/l	99
13) Acrolein	3.58	56	46315	82.776 ug/l	94
14) Acrylonitrile	4.96	53	197884	99.174 ug/l	100
15) Acetone	3.79	58	60224	101.680 ug/l	88
16) Carbon Disulfide	4.03	76	182861	19.808 ug/l	96
17) Allyl chloride	4.30	41	111172	17.647 ug/l	99
18) Methylene Chloride	4.53	84	77297	20.168 ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	69428	20.149 ug/l	93
20) Diisopropyl ether	5.93	45	258421	20.134 ug/l	97
21) 1,1-Dichloroethane	5.82	63	145509	20.473 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	80411	19.573 ug/l	94
23) tert-Butyl Alcohol	4.75	59	77401	94.838 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	236182	20.002 ug/l	100
25) Chloroform	7.35	83	147125	20.755 ug/l	97
26) Cyclohexane	7.63	56	123799	19.845 ug/l	# 94
29) 1,1-Dichloropropene	7.77	75	107142	20.695 ug/l	100
30) 2-Butanone	6.81	43	305910	104.561 ug/l	100
31) 2,2-Dichloropropane	6.80	77	129911	21.289 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	124915	20.861 ug/l	99
33) Carbon Tetrachloride	7.76	117	106814	20.608 ug/l	96
34) Benzene	8.02	78	315872	20.724 ug/l	98
35) Methacrylonitrile	7.15	41	46657	18.053 ug/l	87
36) 1,2-Dichloroethane	8.10	62	122679	21.052 ug/l	100
37) Trichloroethene	8.82	130	76738	20.494 ug/l	98
38) Methylcyclohexane	9.07	83	118858	19.801 ug/l	99
39) 1,2-Dichloropropane	9.10	63	85861	20.613 ug/l	95
40) Dibromomethane	9.20	93	54525	20.736 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	110978	20.659	ug/l	98
42) Vinyl Acetate	5.87	43	1086437	106.032	ug/l	99
43) Ethyl Acetate	6.90	43	104897	18.267	ug/l	94
44) Isopropyl Acetate	8.15	43	187648	20.174	ug/l	100
45) 1,4-Dioxane	9.19	88	27649	387.113	ug/l	98
46) Methyl methacrylate	9.19	41	83753	19.614	ug/l	98
47) n-amyl Acetate	12.07	43	160015	19.406	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	124892	20.046	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	133045	20.336	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	78221	20.838	ug/l	97
51) Ethyl methacrylate	10.43	69	115653	19.268	ug/l	97
52) 1,3-Dichloropropane	10.70	76	137234	20.528	ug/l	98
53) Dibromochloromethane	10.90	129	81140	20.141	ug/l	99
54) 1,2-Dibromoethane	11.00	107	80169	20.604	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	336338	112.647	ug/l	99
56) Bromoform	12.13	173	55051	19.617	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	580838	103.561	ug/l	100
59) 2-Hexanone	10.75	43	472227	107.398	ug/l	99
61) Tetrachloroethene	10.63	164	69287	20.855	ug/l	97
62) Toluene	10.15	91	334536	20.229	ug/l	99
64) Chlorobenzene	11.43	112	203799	20.156	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	75708	19.969	ug/l	100
66) Ethyl Benzene	11.51	91	371732	20.300	ug/l	100
67) m/p-Xylenes	11.62	106	272159	39.781	ug/l	99
68) o-Xylene	11.95	106	127901	19.284	ug/l	98
69) Styrene	11.97	104	210565	19.217	ug/l	99
70) Isopropylbenzene	12.25	105	355384	19.847	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	120542	19.996	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	107405m	19.663	ug/l	
73) Bromobenzene	12.53	156	85211	19.592	ug/l	98
74) n-propylbenzene	12.59	91	435475	20.777	ug/l	100
75) 2-Chlorotoluene	12.68	91	254342	20.169	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	309121	20.156	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	39508	18.986	ug/l	99
78) 4-Chlorotoluene	12.78	91	259487	19.965	ug/l	99
79) tert-butylbenzene	13.00	119	260686	19.895	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	306207	20.093	ug/l	99
81) sec-Butylbenzene	13.18	105	353851	20.067	ug/l	99
82) p-Isopropyltoluene	13.29	119	310192	19.589	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	154828	19.673	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	149077	18.964	ug/l	98
85) n-Butylbenzene	13.62	91	285364	19.684	ug/l	100
86) Hexachloroethane	13.88	117	55537	19.272	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	152938	19.684	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	25654	19.120	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	92091	18.771	ug/l	99
90) Hexachlorobutadiene	15.02	225	49944	19.715	ug/l	98
91) Naphthalene	15.13	128	267470	18.466	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	88299	18.490	ug/l	99

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VSTDCCC020

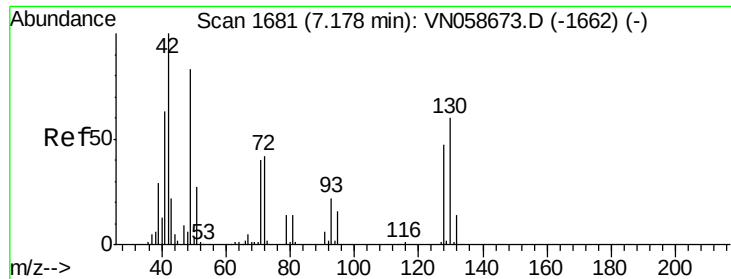
Manual Integrations
APPROVED

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



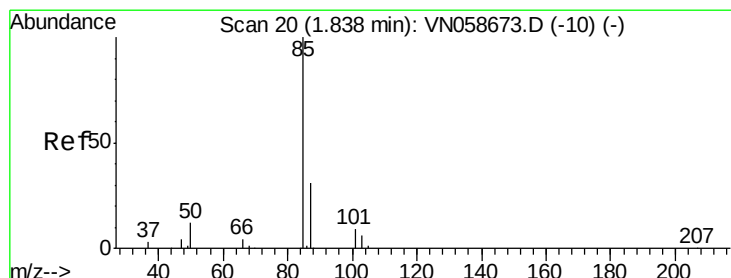
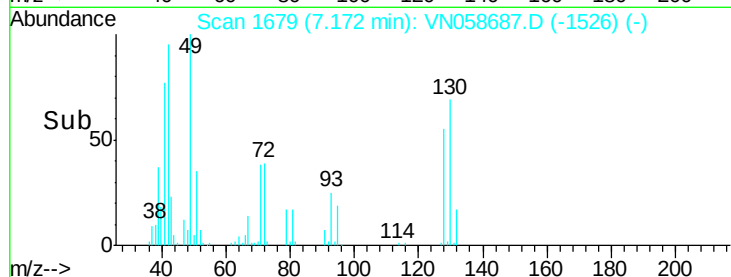
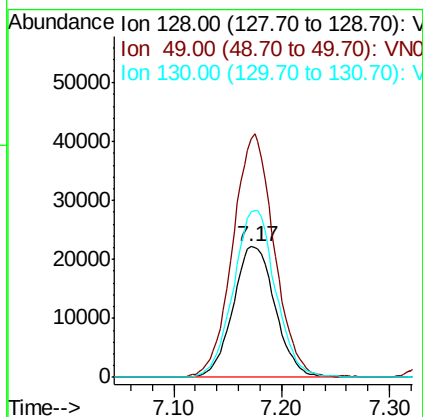
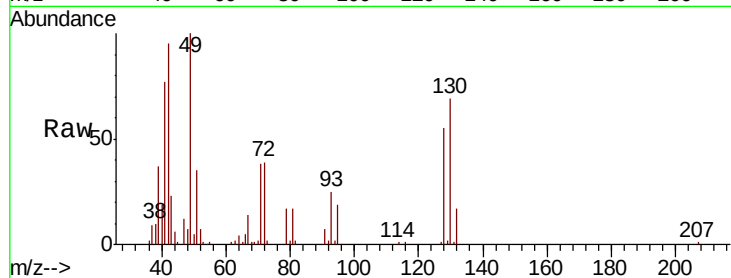
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	182.2	0.0	453.5
130	126.9	0.0	314.2

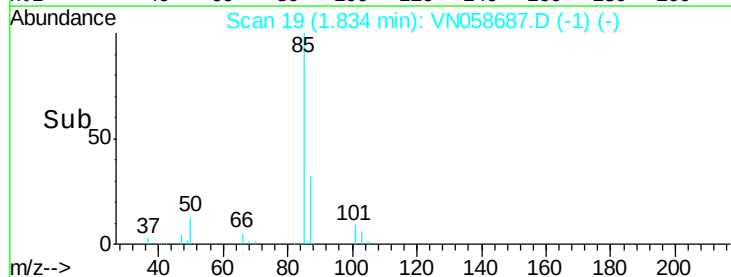
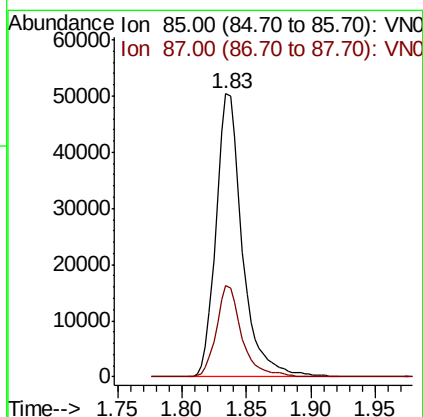
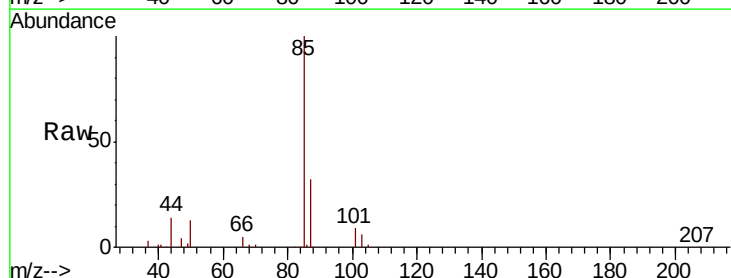
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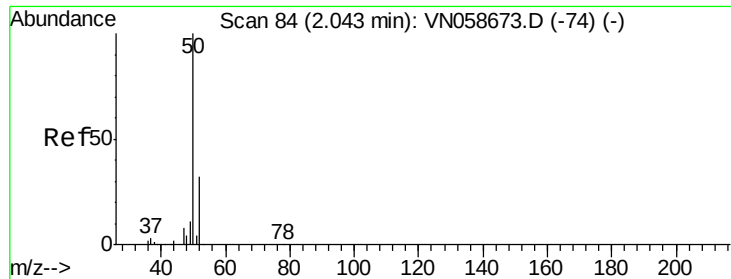
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#2
Dichlorodifluoromethane
Concen: 21.822 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.0





#3

Chloromethane

Concen: 20.736 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 90784

Ion Ratio Lower Upper

50 100

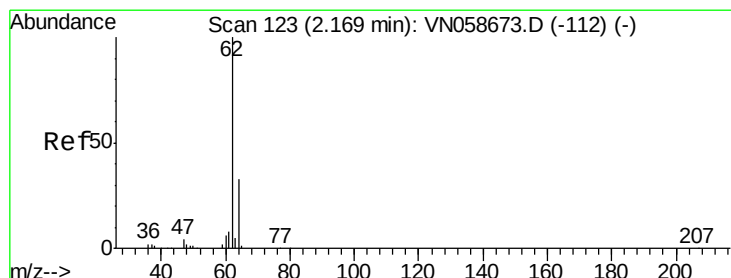
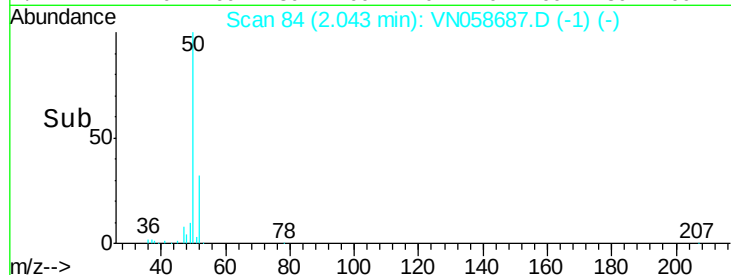
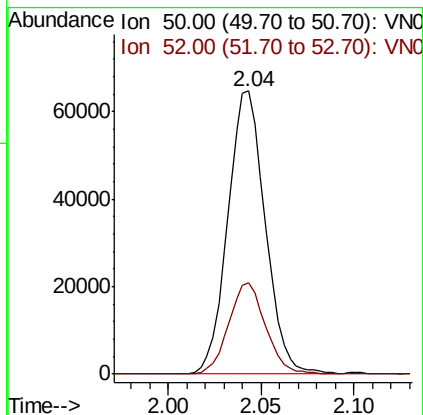
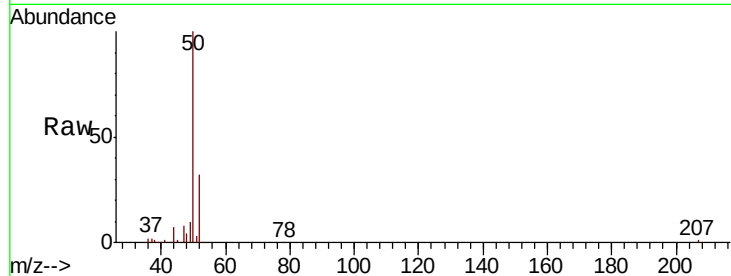
52 32.2 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.892 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058687.D

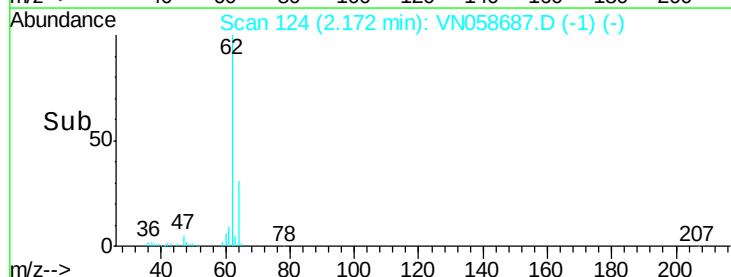
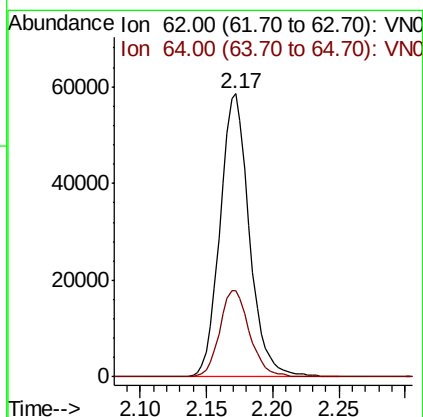
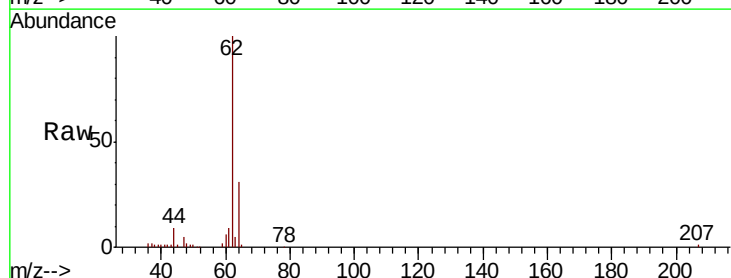
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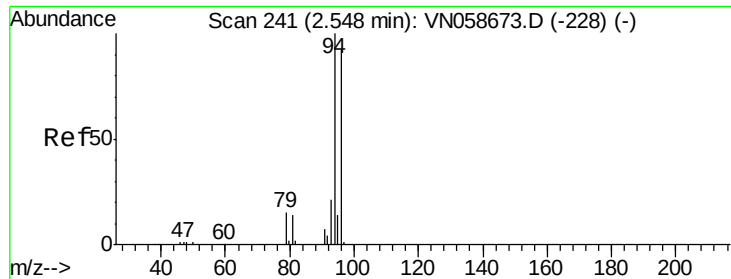
Tgt Ion: 62 Resp: 90010

Ion Ratio Lower Upper

62 100

64 30.5 26.1 39.1





#5

Bromomethane

Concen: 20.105 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 56169

Ion Ratio Lower Upper

94 100

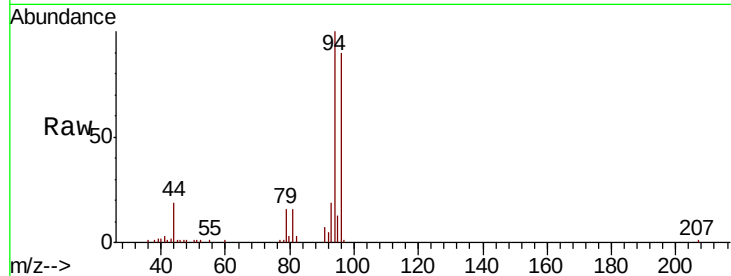
96 89.8 73.7 110.5

Manual Integrations

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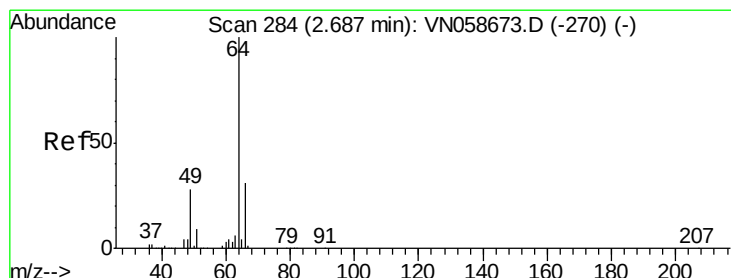
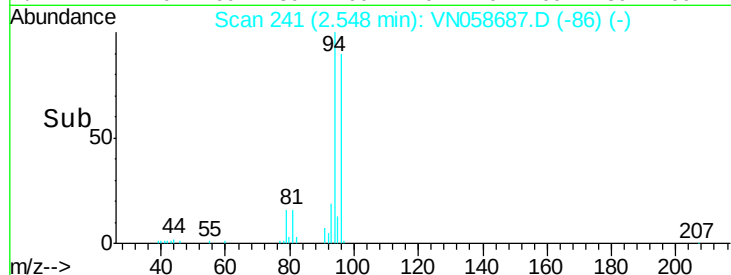
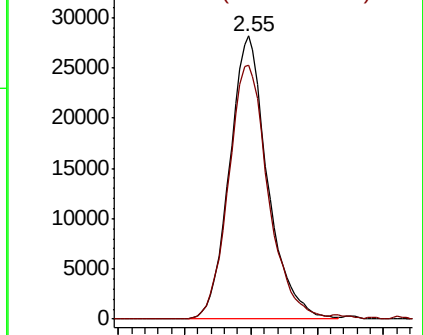
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.541 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058687.D

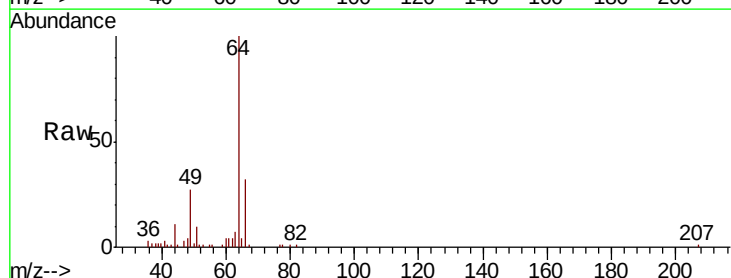
Acq: 11 Oct 2019 8:43

Tgt Ion: 64 Resp: 58423

Ion Ratio Lower Upper

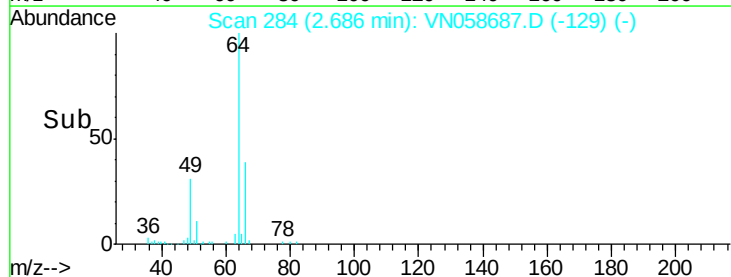
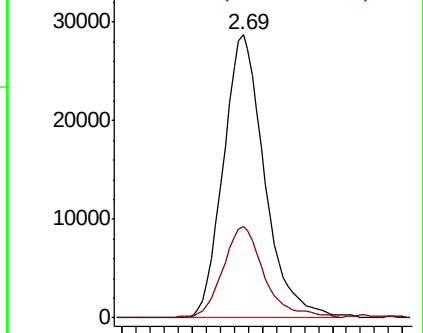
64 100

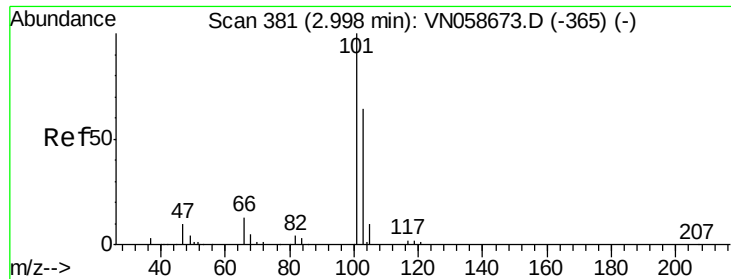
66 32.1 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

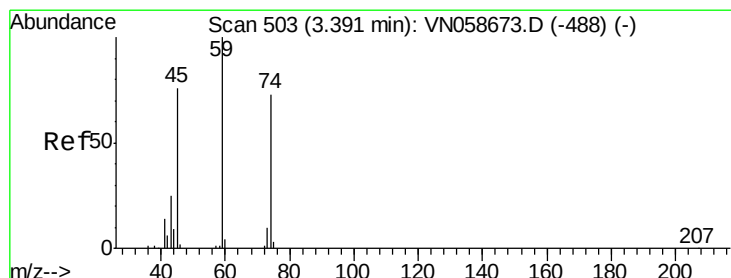
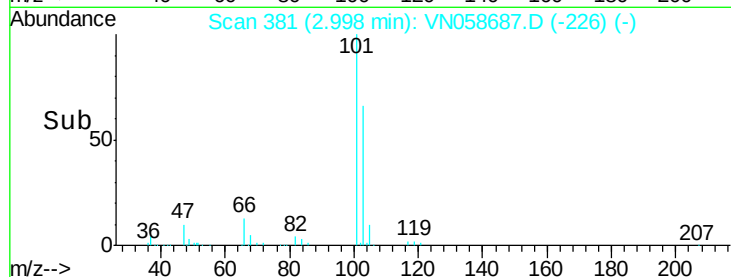
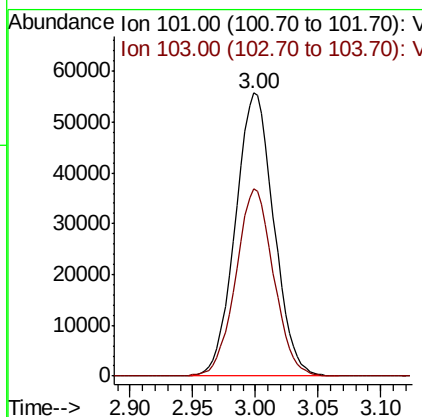
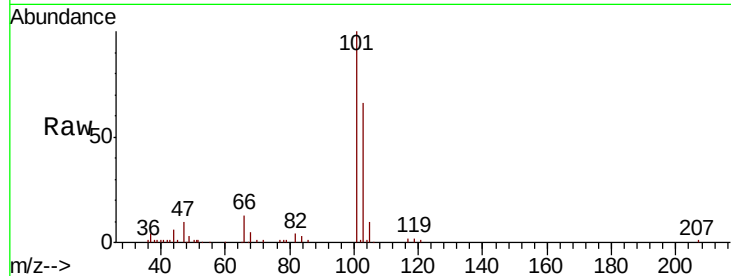
Trichlorofluoromethane
 Concen: 21.314 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
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 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.5	77.3

Manual Integrations
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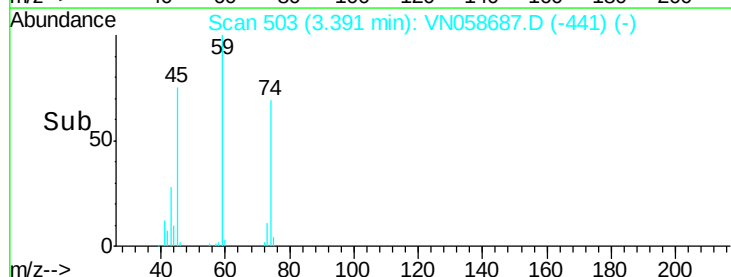
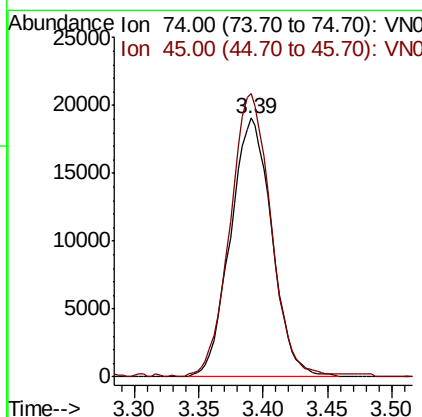
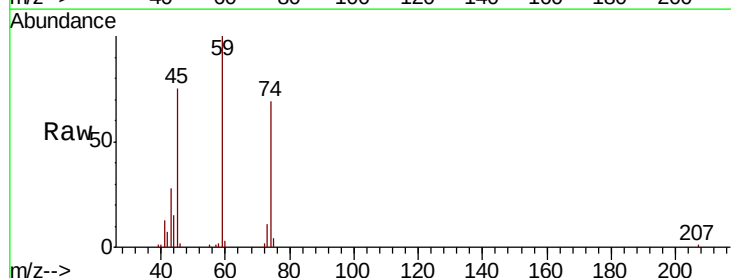
MMDadoda
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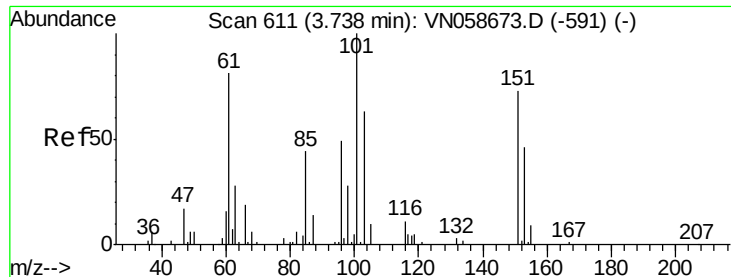


#8

Diethyl Ether
 Concen: 20.091 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.2	20.6	185.8





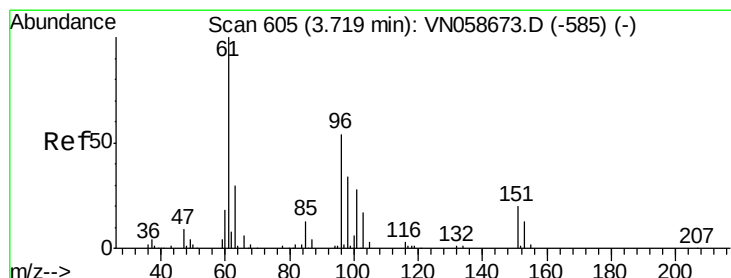
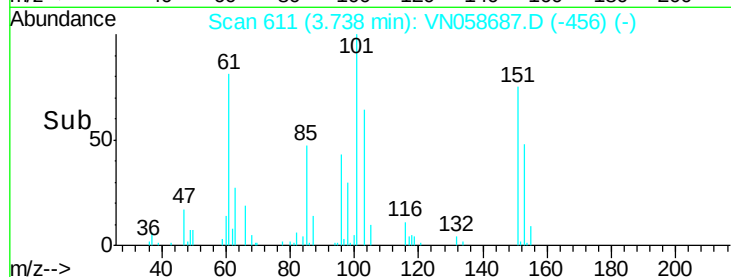
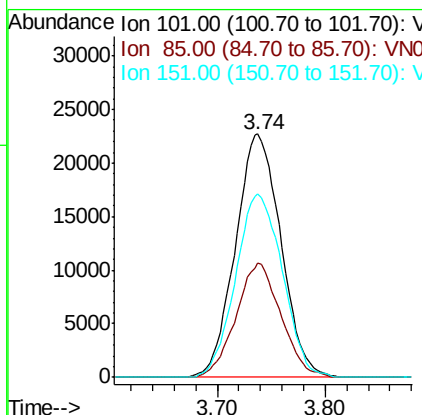
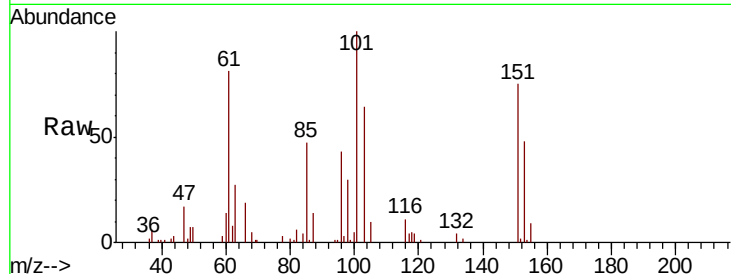
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.641 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058687.D
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Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	46.3	0.0	93.8
151	77.7	0.0	149.6

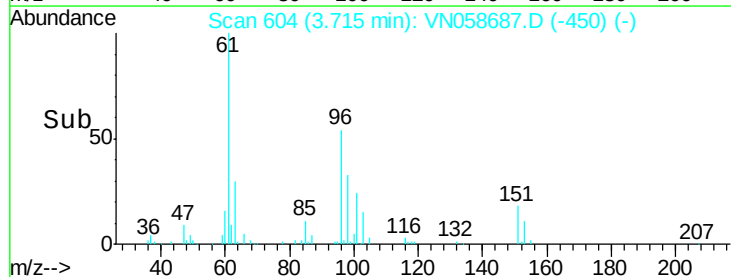
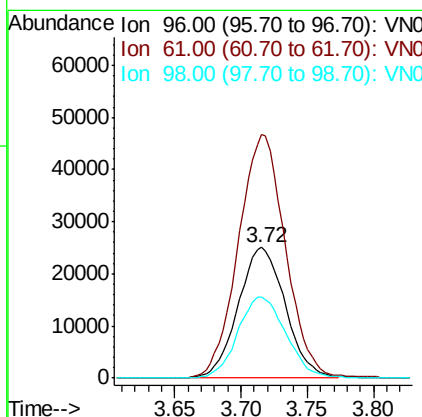
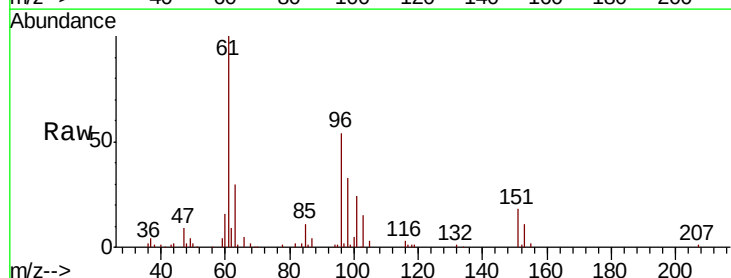
Manual Integrations
 APPROVED

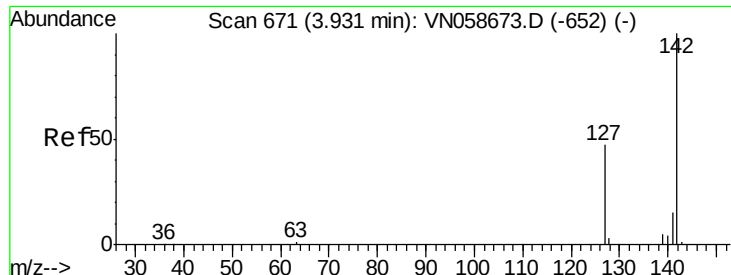
MMDadoda
 10/14/2019 4:59:16 PM



#10
 1,1-Dichloroethene
 Concen: 19.493 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	186.3	148.5	222.7
98	62.3	51.0	76.6





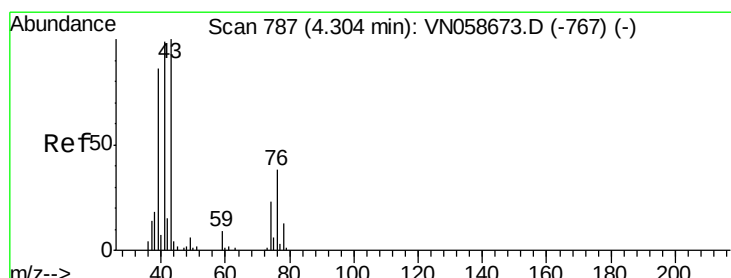
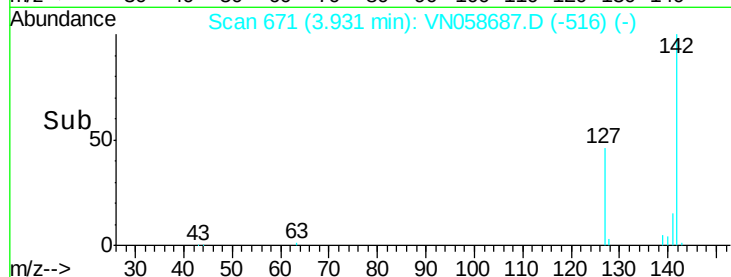
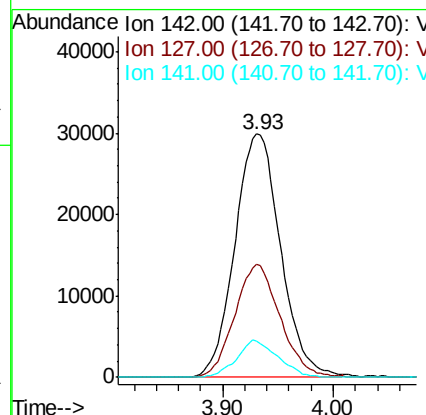
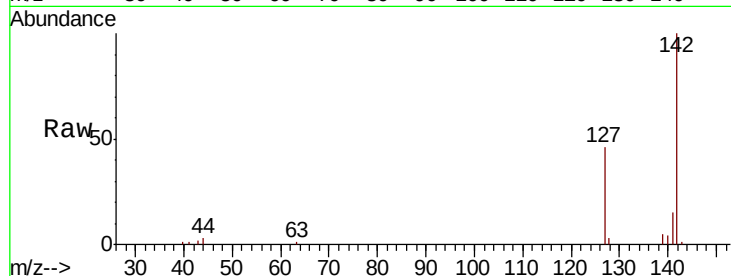
#11
Methyl Iodide
Concen: 19.467 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.3	23.5	70.6
141	14.9	7.4	22.2

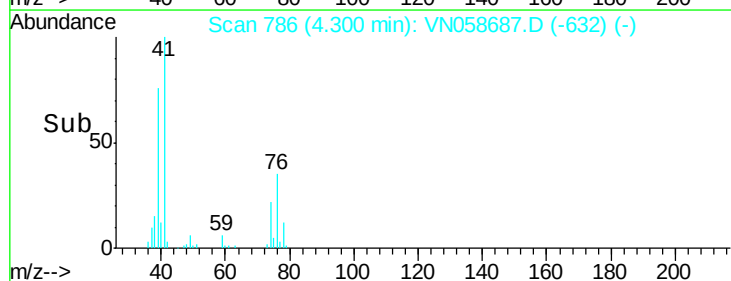
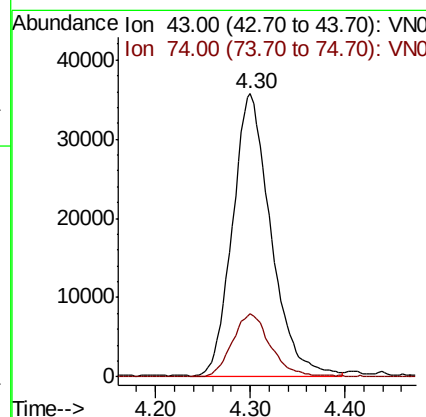
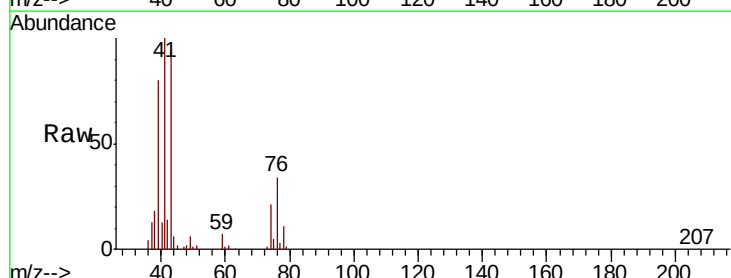
Manual Integrations
APPROVED

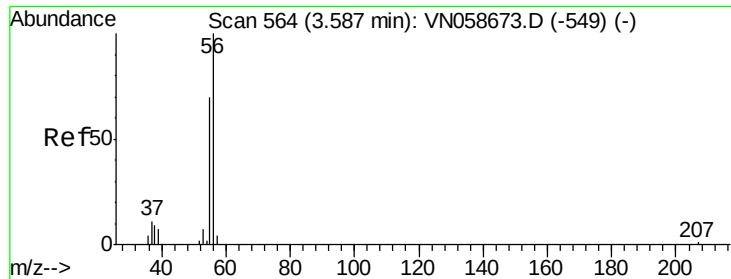
MMDadoda
10/14/2019 4:59:16 PM



#12
Methyl Acetate
Concen: 20.012 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	18.1	27.1





#13

Acrolein

Concen: 82.776 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 46315

Ion Ratio Lower Upper

56 100

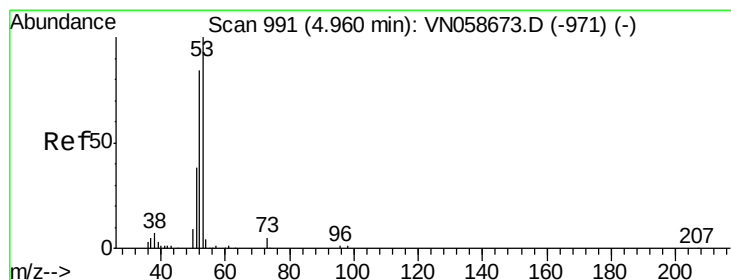
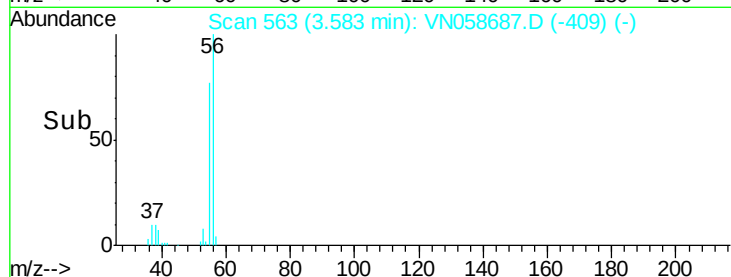
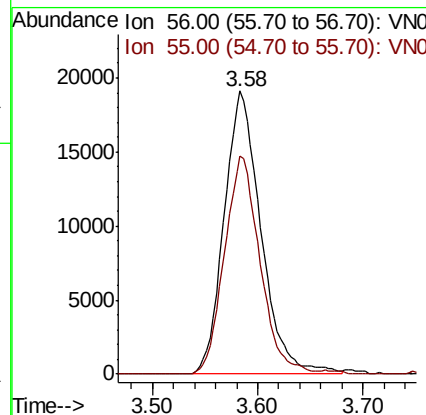
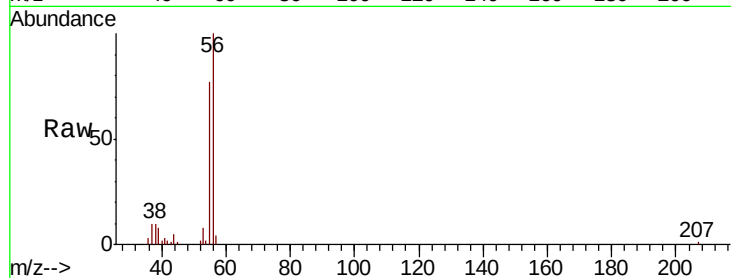
55 74.4 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

10/14/2019 4:59:16 PM



#14

Acrylonitrile

Concen: 99.174 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

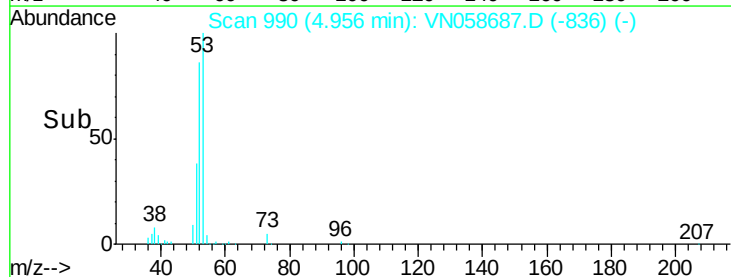
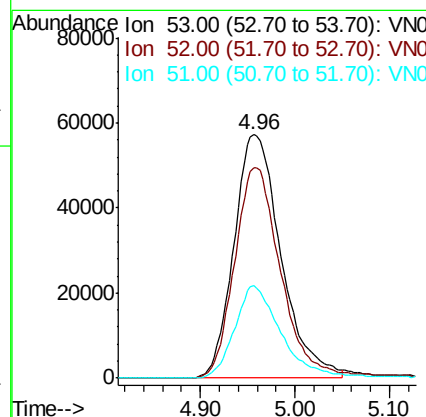
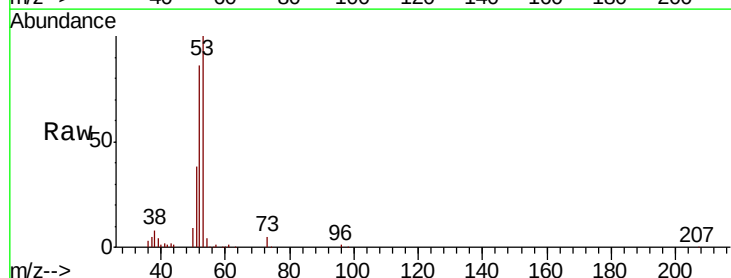
Tgt Ion: 53 Resp: 197884

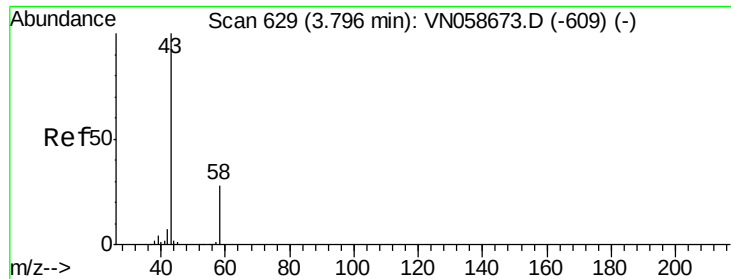
Ion Ratio Lower Upper

53 100

52 84.5 42.2 126.6

51 37.2 18.8 56.4





#15

Acetone

Concen: 101.680 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 60224

Ion Ratio Lower Upper

58 100

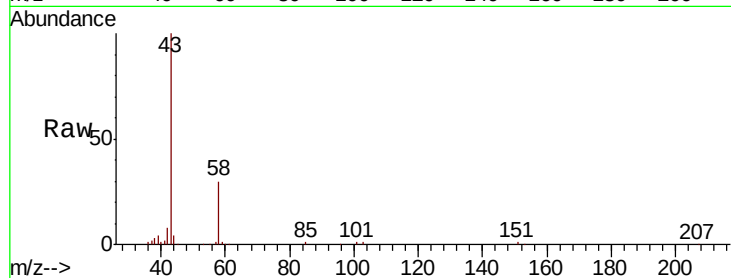
43 326.5 281.7 422.5

Manual Integrations

APPROVED

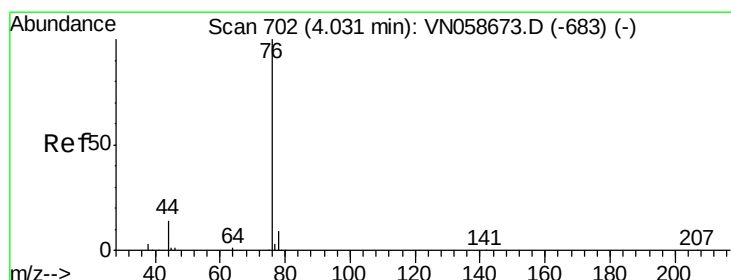
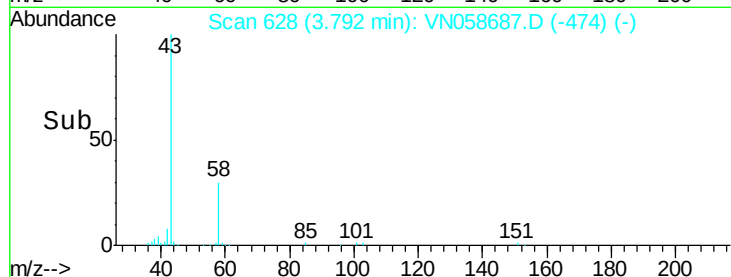
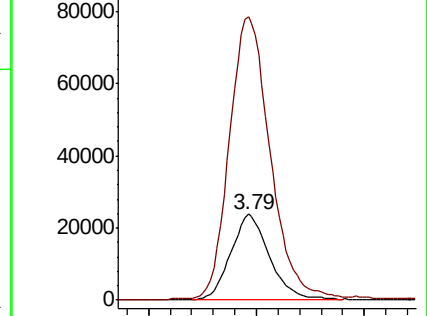
MMDadoda

10/14/2019 4:59:16 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.808 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058687.D

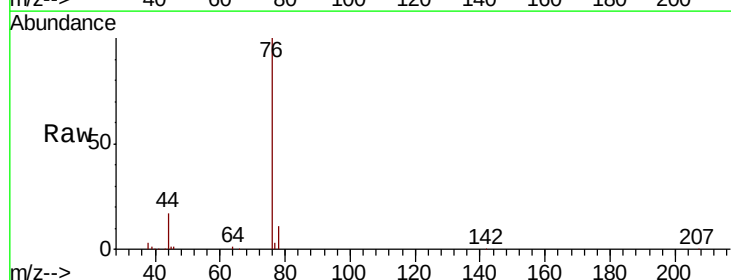
Acq: 11 Oct 2019 8:43

Tgt Ion: 76 Resp: 182861

Ion Ratio Lower Upper

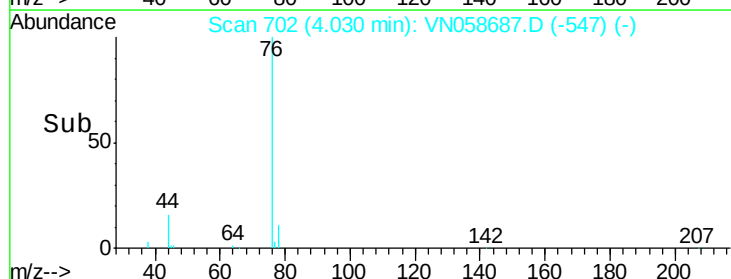
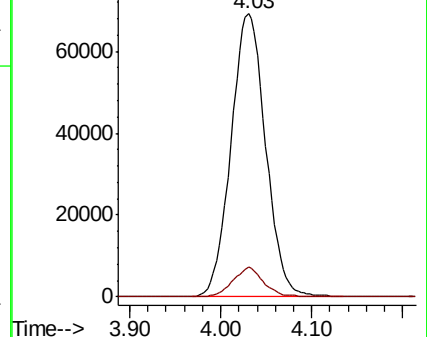
76 100

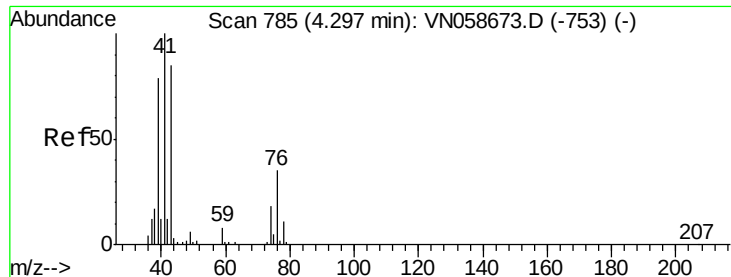
78 10.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





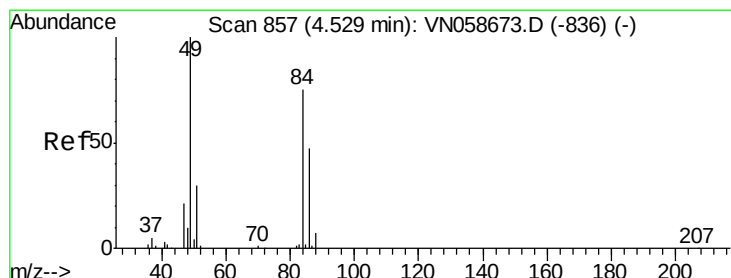
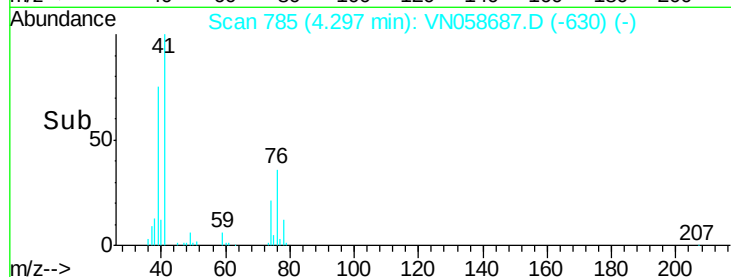
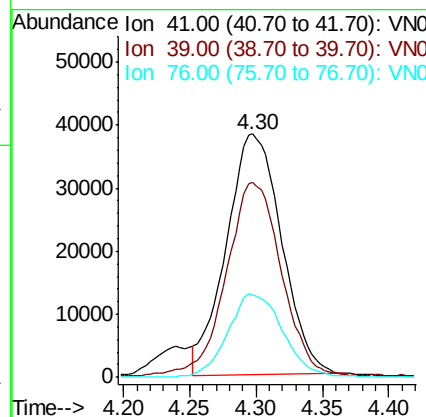
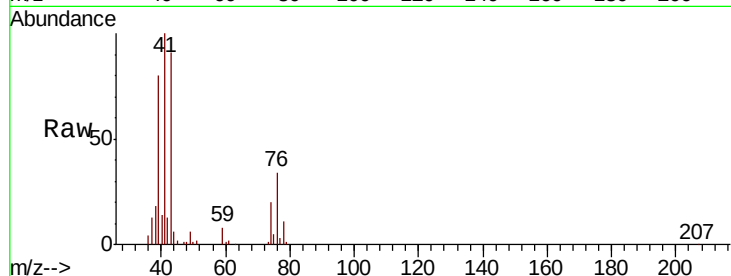
#17
Allvl chloride
Concen: 17.647 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.0	39.6	118.8
76	34.0	17.6	52.9

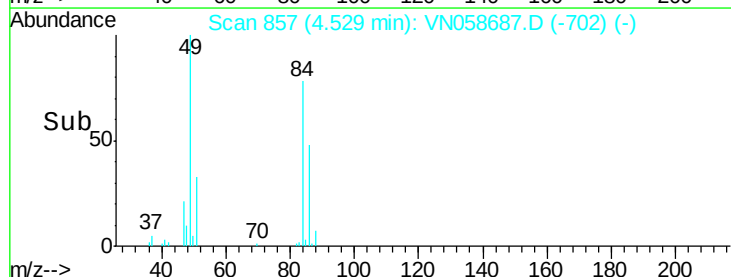
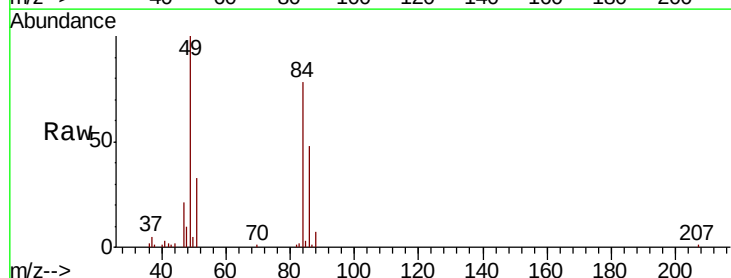
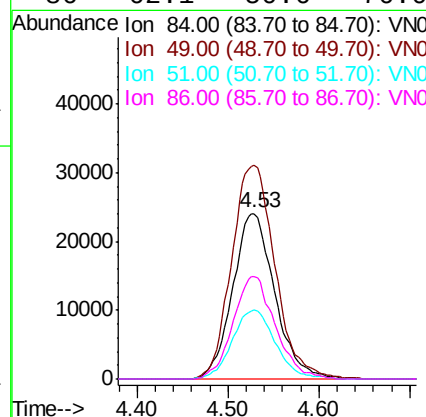
Manual Integrations
APPROVED

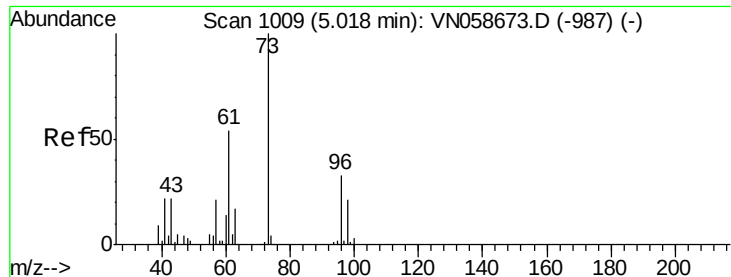
MMDadoda
10/14/2019 4:59:16 PM



#18
Methylene Chloride
Concen: 20.168 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.6	160.0
51	41.9	32.4	48.6
86	62.1	50.6	76.0





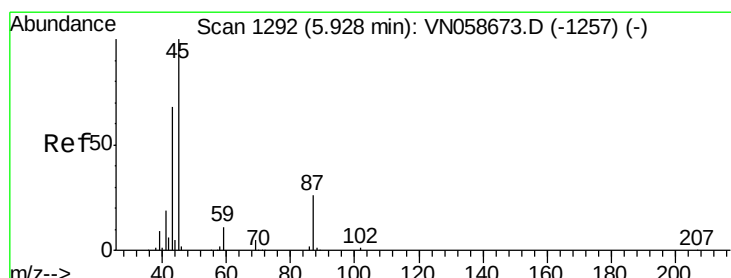
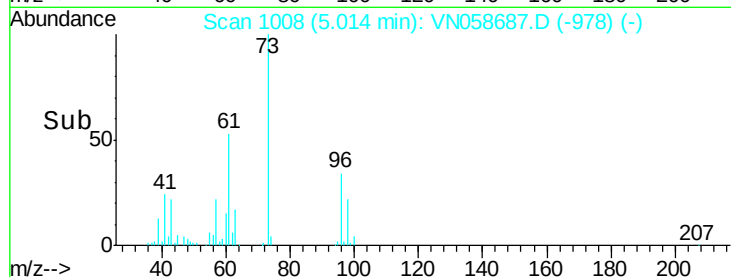
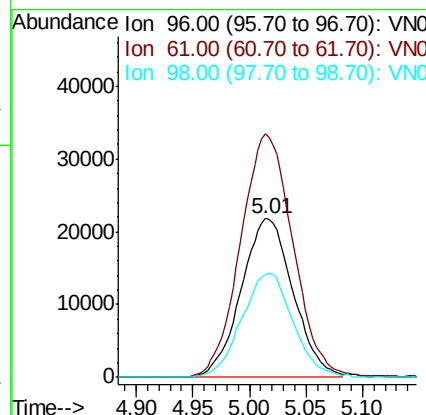
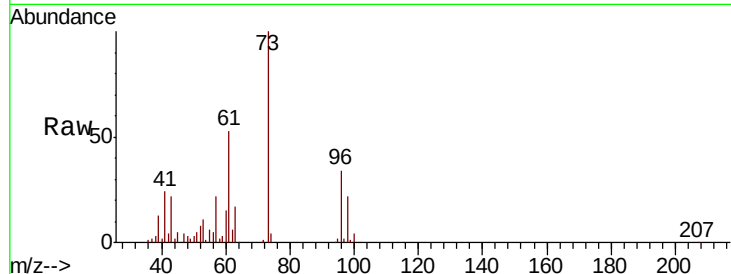
#19
trans-1,2-Dichloroethene
Concen: 20.149 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.3	131.8	197.6
98	65.0	52.6	79.0

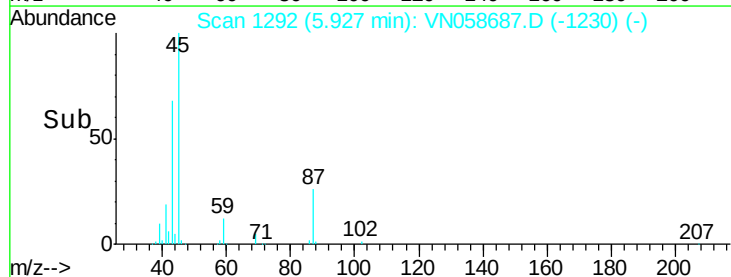
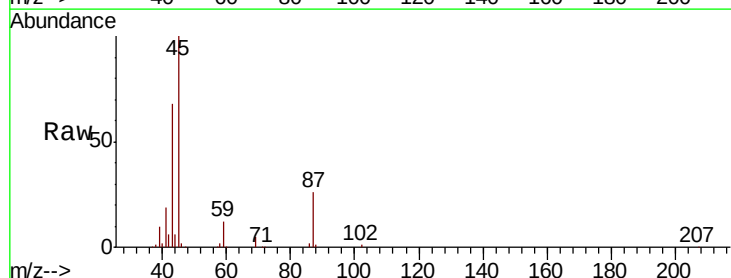
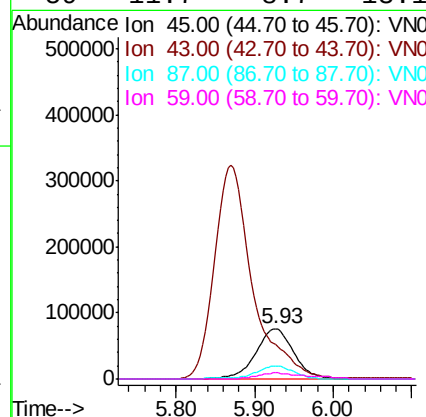
Manual Integrations
APPROVED

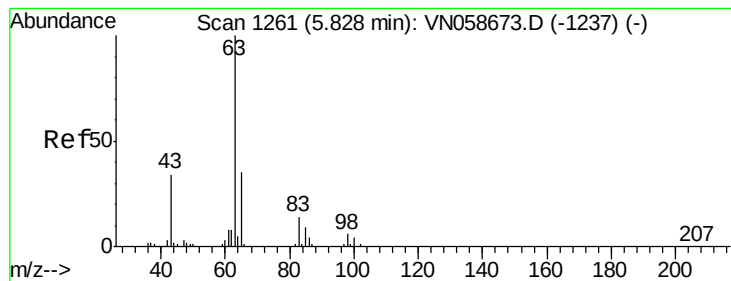
MMDadoda
10/14/2019 4:59:16 PM



#20
Diisopropyl ether
Concen: 20.134 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.9	54.7	82.1
87	26.4	21.5	32.3
59	11.7	8.7	13.1





#21

1,1-Dichloroethane

Concen: 20.473 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

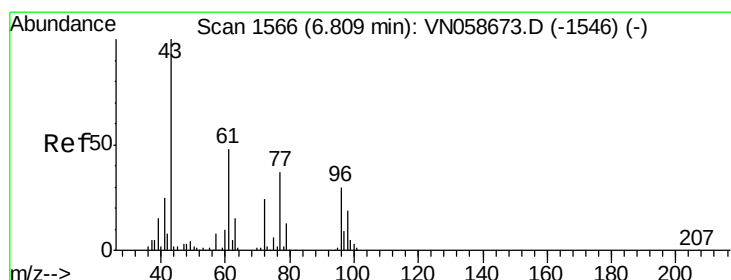
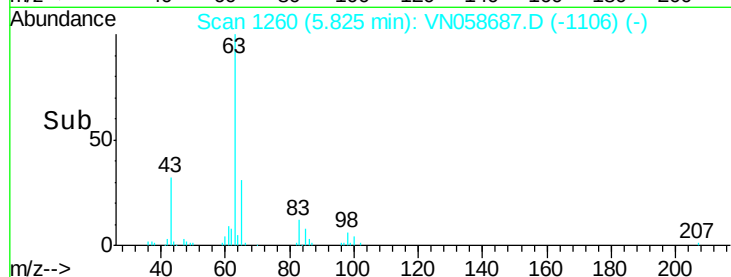
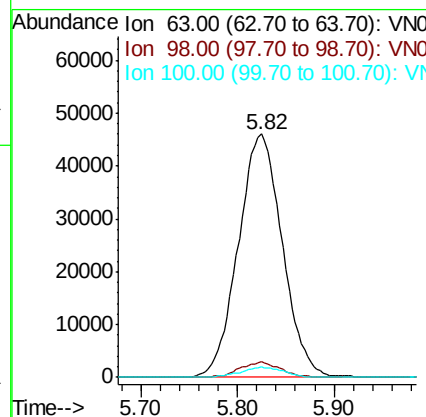
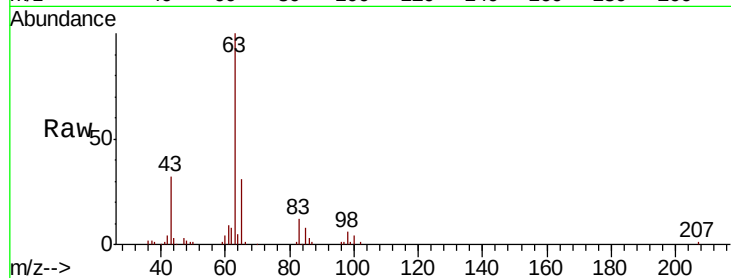
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	145509		
98	6.3		2.9	8.6
100	4.1		1.8	5.5

Manual Integrations
APPROVED

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10/14/2019 4:59:16 PM



#22

cis-1,2-Dichloroethene

Concen: 19.573 ug/l

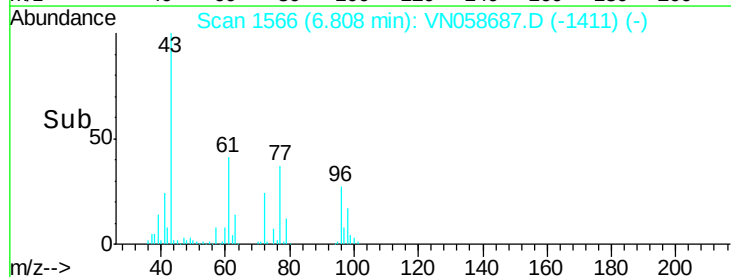
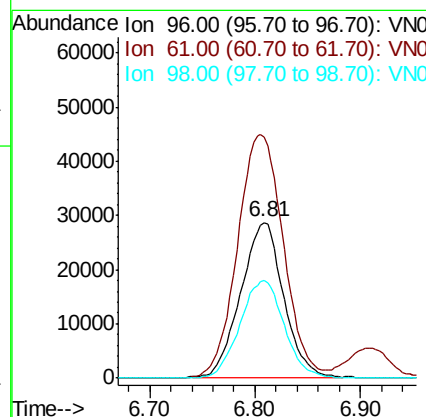
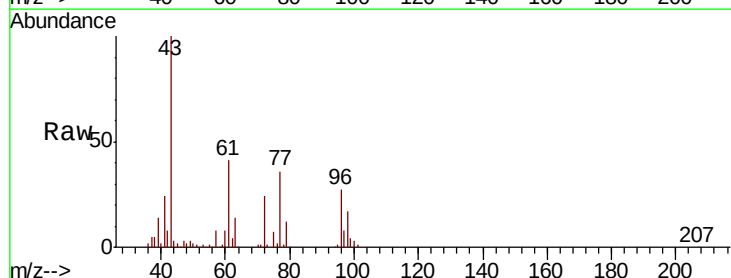
RT: 6.81 min Scan# 1566

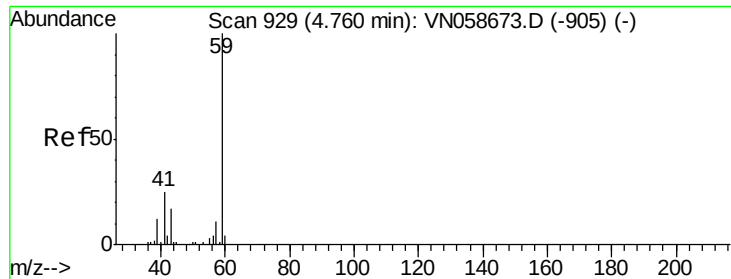
Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	80411		
61	168.7		127.2	190.8
98	65.3		50.5	75.7





#23

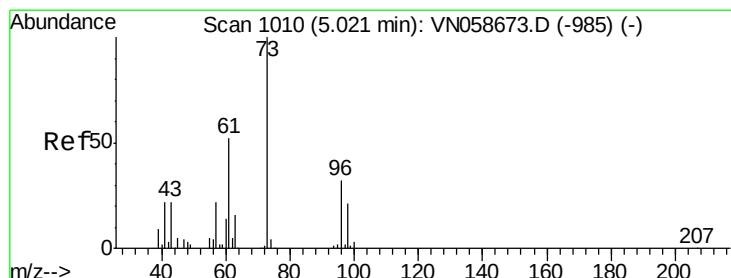
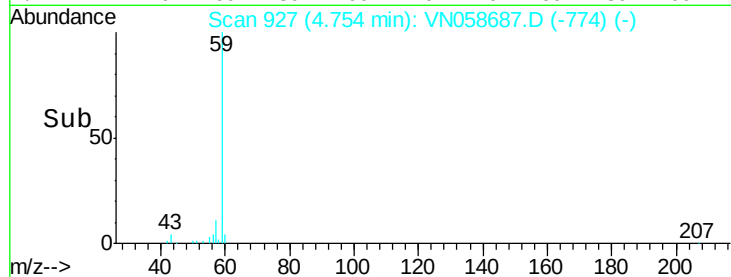
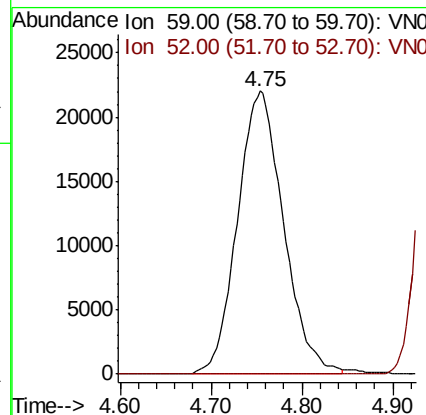
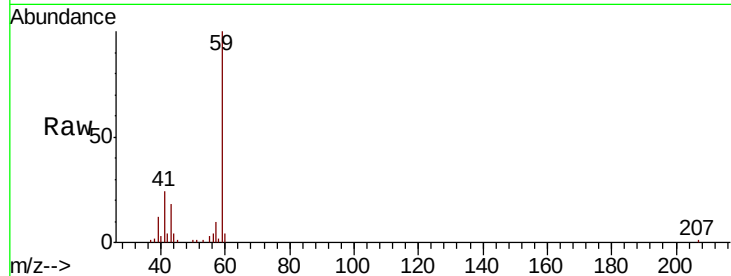
tert-Butyl Alcohol
Concen: 94.838 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
APPROVED

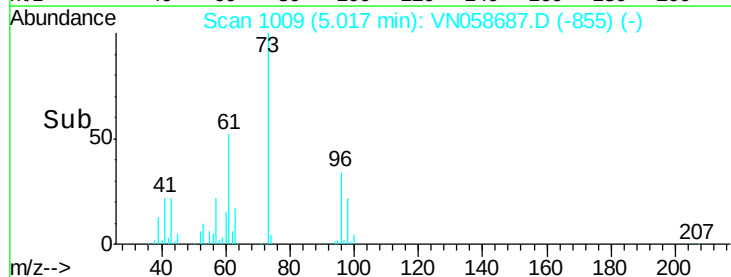
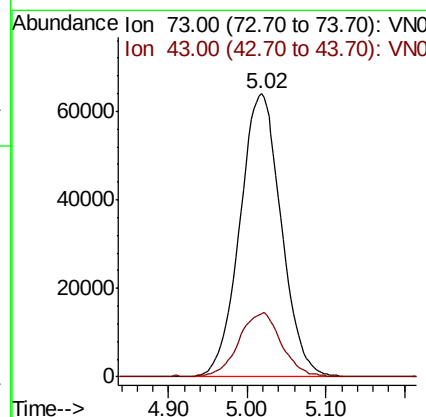
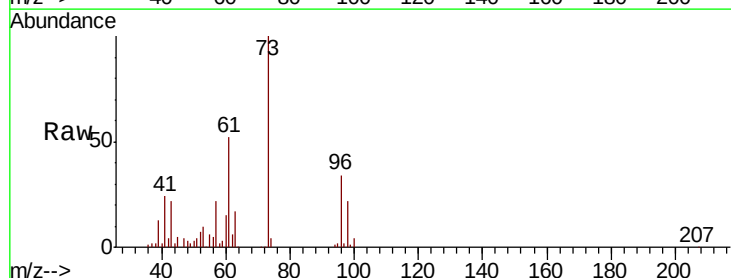
MMDadoda
10/14/2019 4:59:16 PM

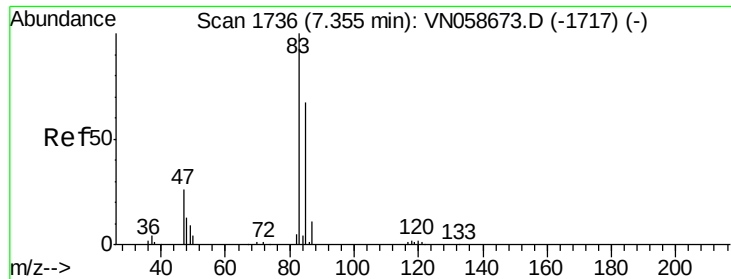


#24

Methyl tert-Butyl Ether
Concen: 20.002 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.9	26.9





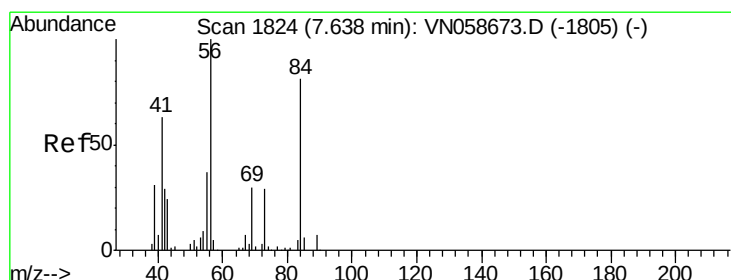
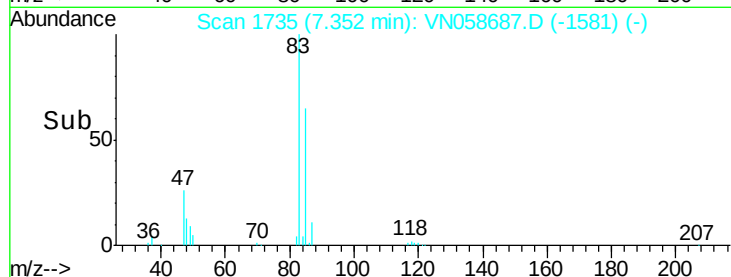
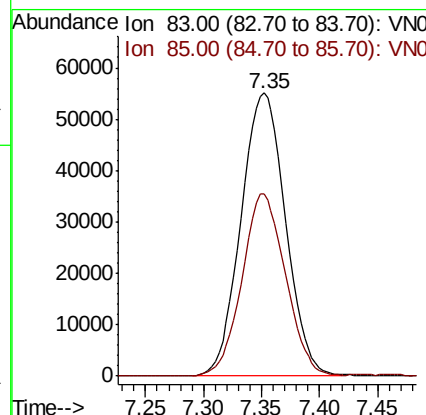
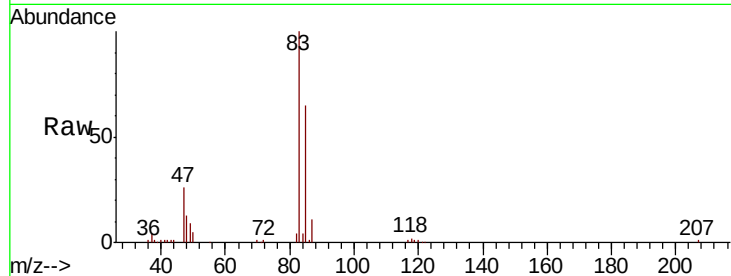
#25
Chloroform
Concen: 20.755 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	147125
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	53.8	80.8

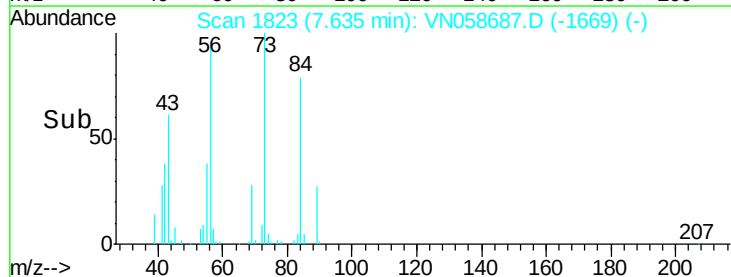
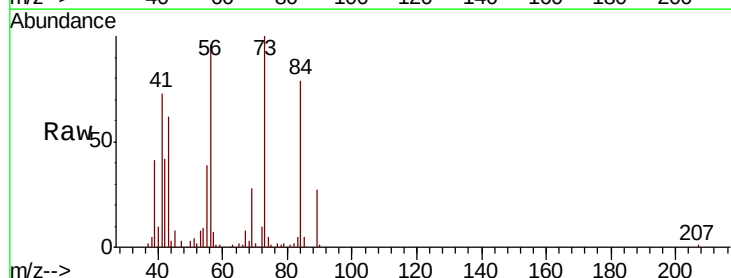
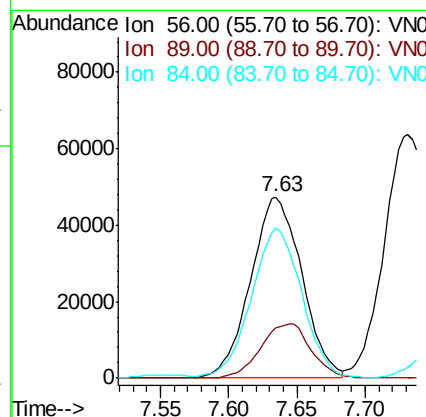
Manual Integrations
APPROVED

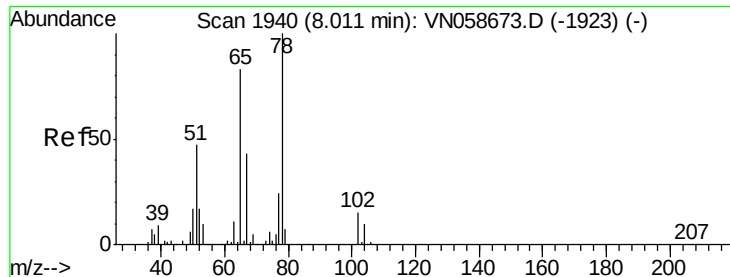
MMDadoda
10/14/2019 4:59:16 PM



#26
Cyclohexane
Concen: 19.845 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	56	Resp	123799
Ion Ratio	100	Lower	Upper
56	100		
89	29.3	6.2	9.2#
84	81.7	65.6	98.4





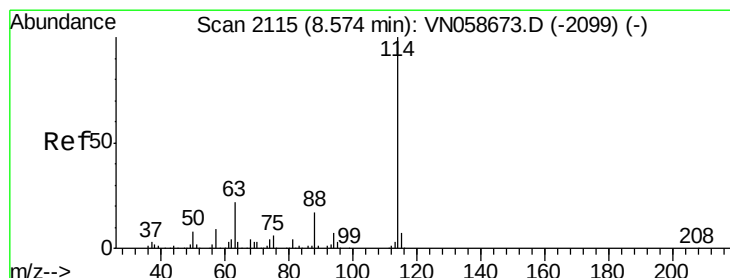
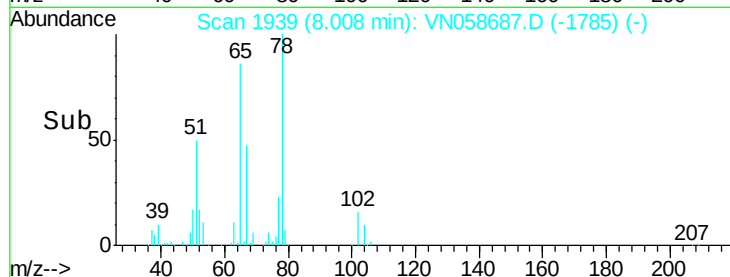
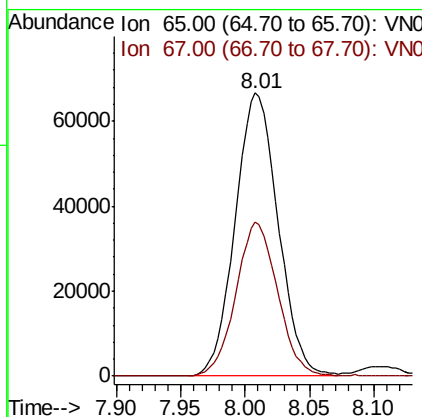
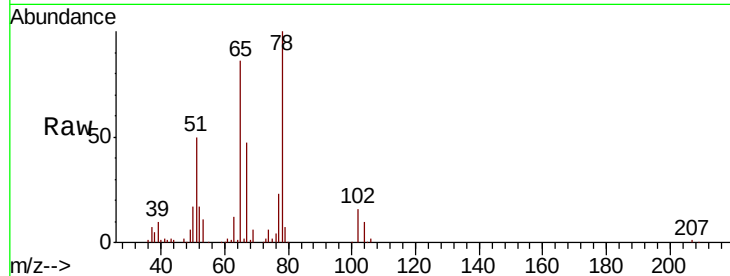
#27
 1,2-Dichloroethane-d4
 Concen: 30.110 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.5	62.3

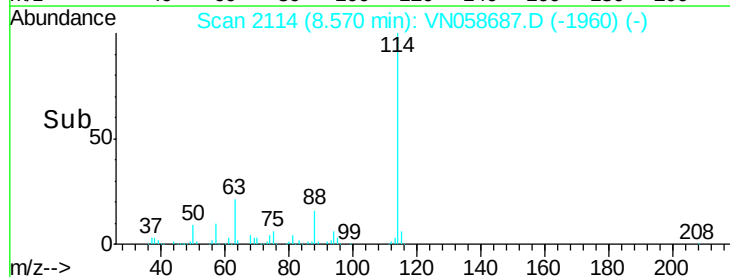
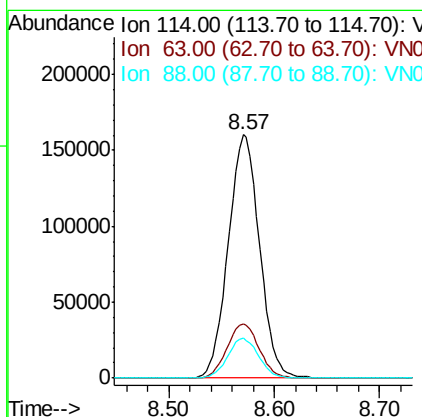
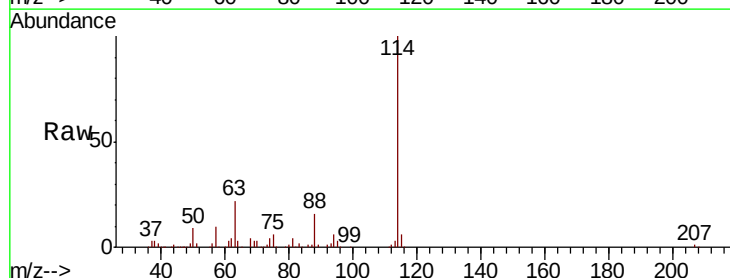
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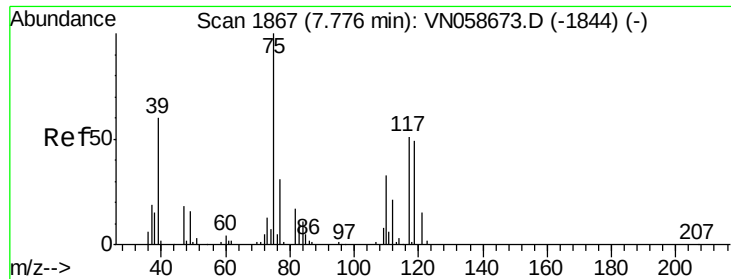
MMDadoda
 10/14/2019 4:59:16 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	18.1	27.1
88	16.2	13.0	19.4





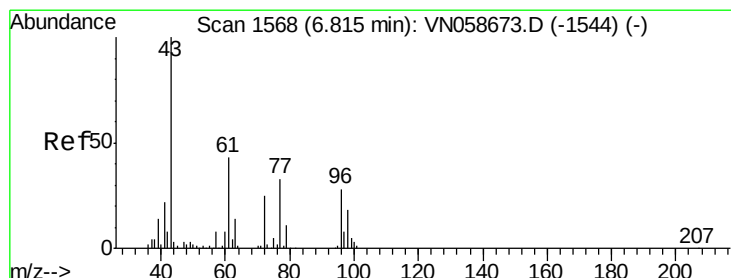
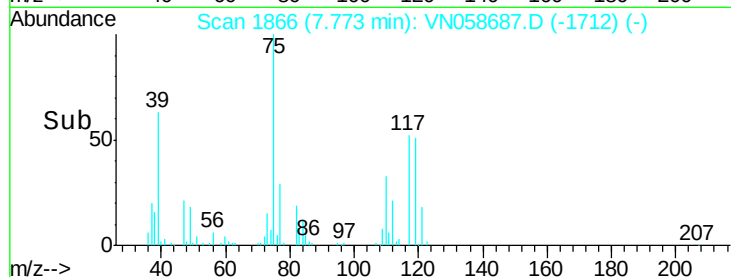
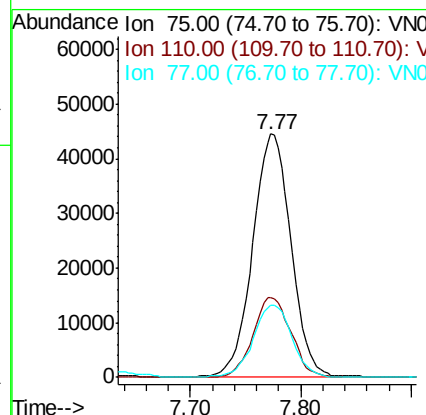
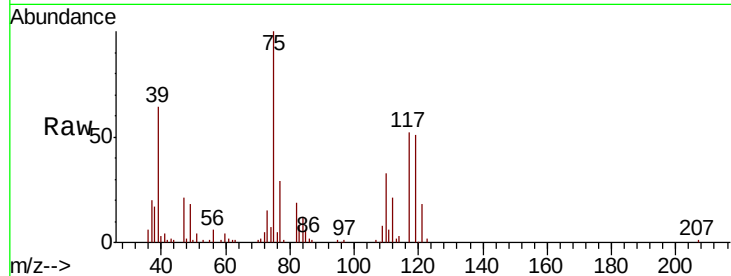
#29
 1,1-Dichloropropene
 Concen: 20.695 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.4	0.0	64.6
77	30.0	0.0	60.8

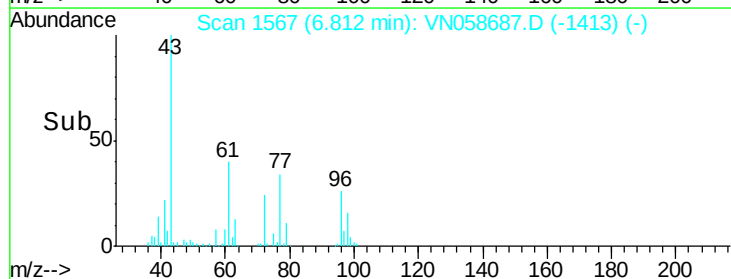
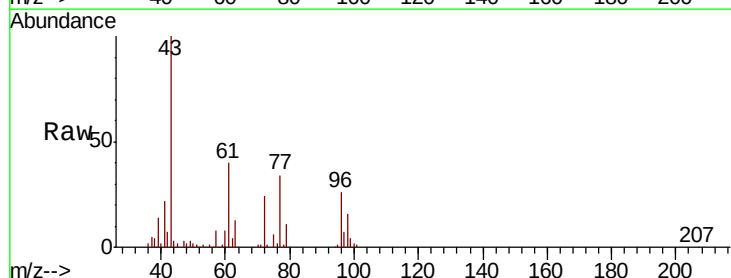
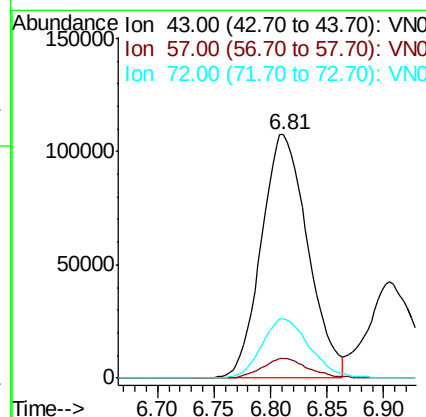
Manual Integrations
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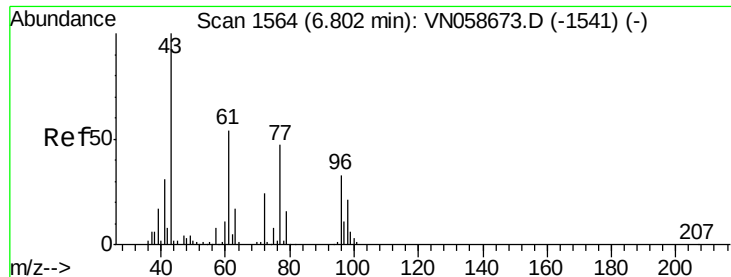
MMDadoda
 10/14/2019 4:59:16 PM



#30
 2-Butanone
 Concen: 104.561 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.5	9.7
72	25.2	20.1	30.1





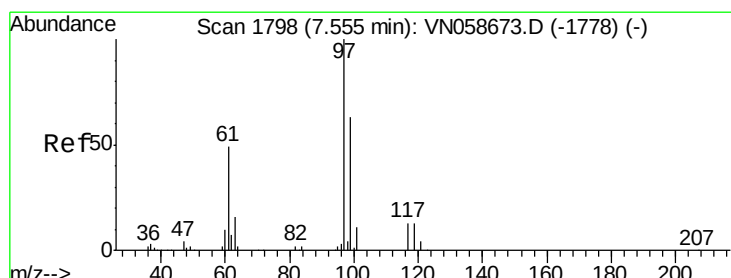
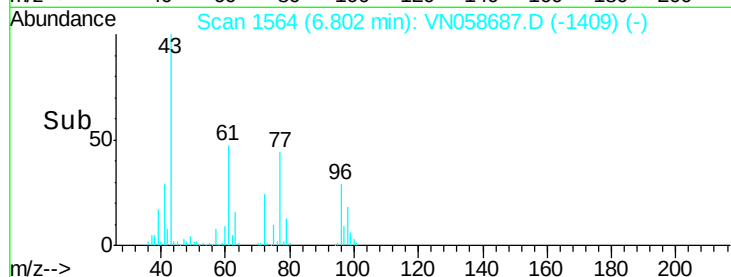
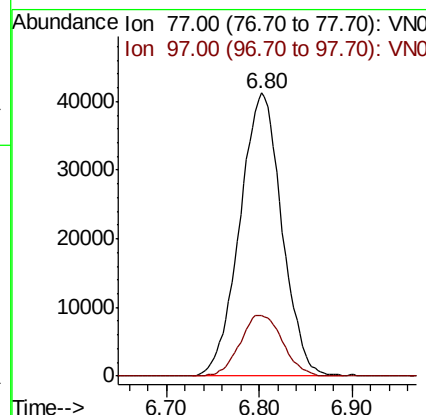
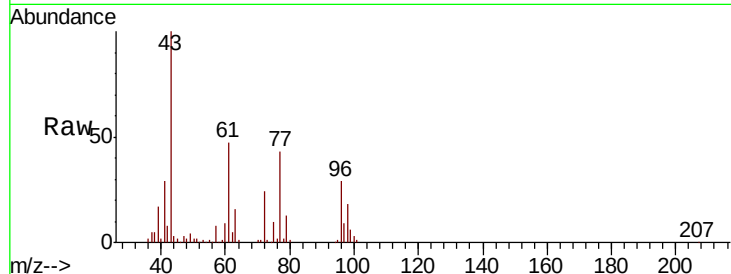
#31
 2,2-Dichloropropane
 Concen: 21.289 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.7	17.9	26.9

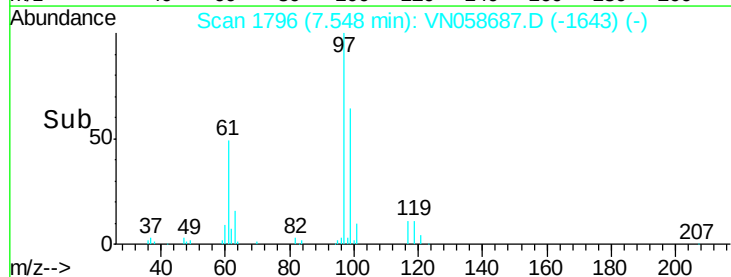
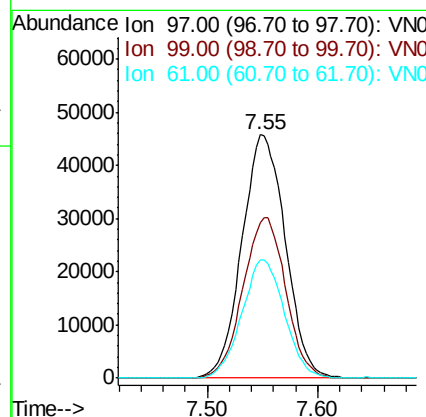
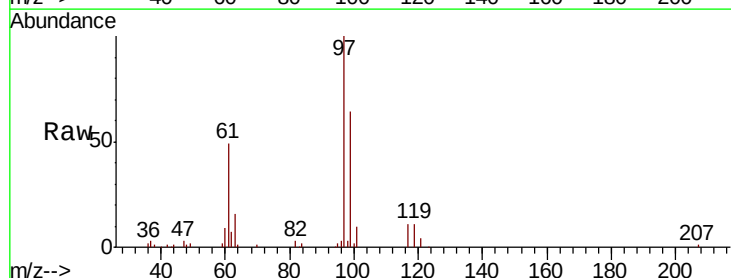
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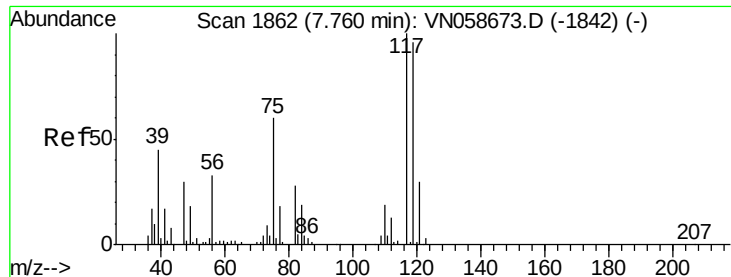
MMDadoda
 10/14/2019 4:59:16 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.861 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	47.7	38.4	57.6





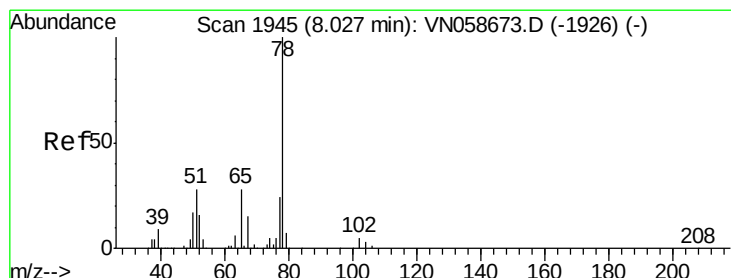
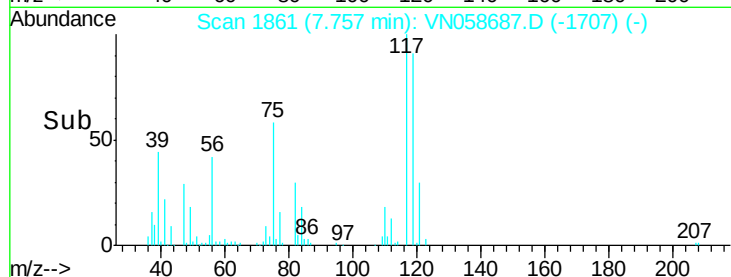
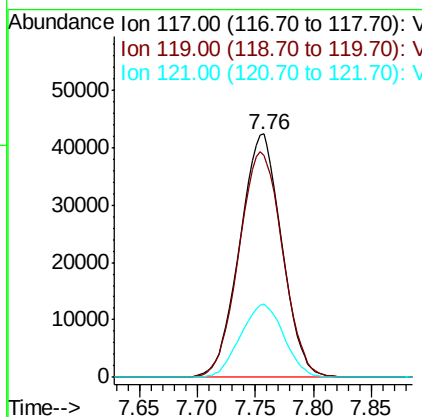
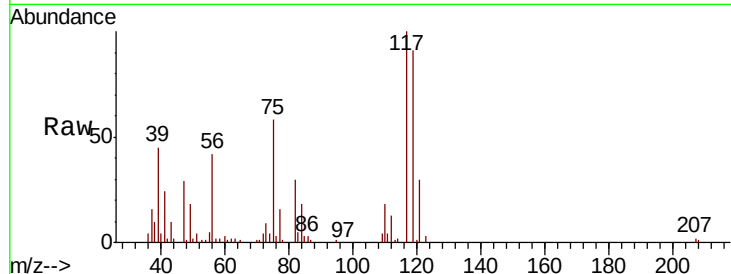
#33
Carbon Tetrachloride
Concen: 20.608 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.2	76.9	115.3
121	30.1	23.8	35.8

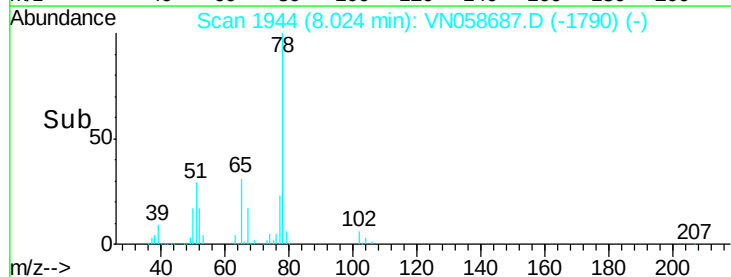
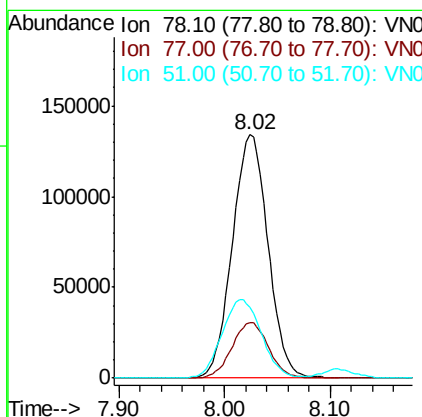
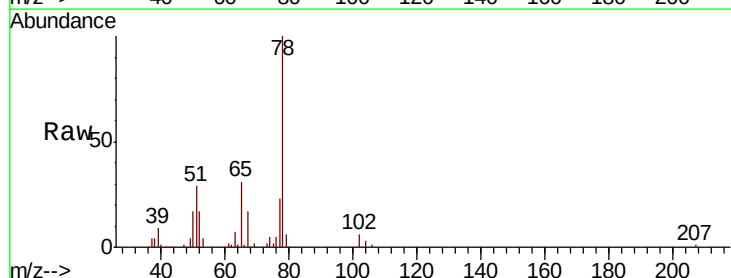
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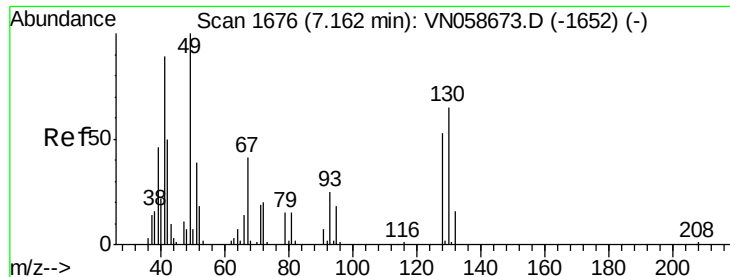
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#34
Benzene
Concen: 20.724 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.2	28.8
51	28.6	22.1	33.1





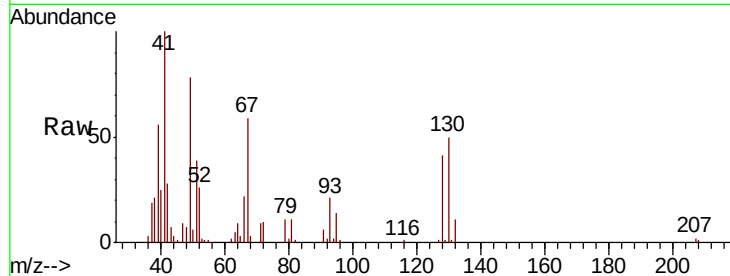
#35
Methacrylonitrile
Concen: 18.053 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	25.8	77.4
67	59.0	23.0	69.0
52	25.8	10.1	30.1

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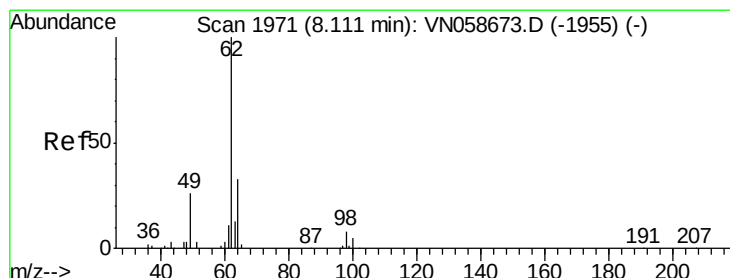
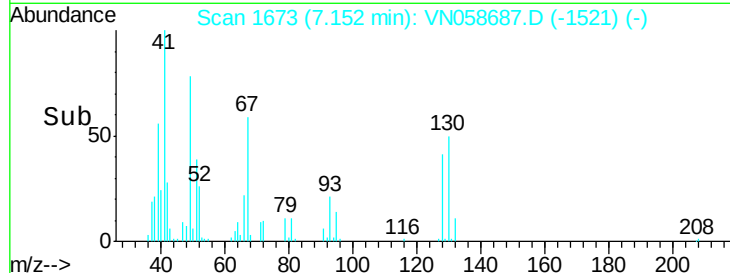
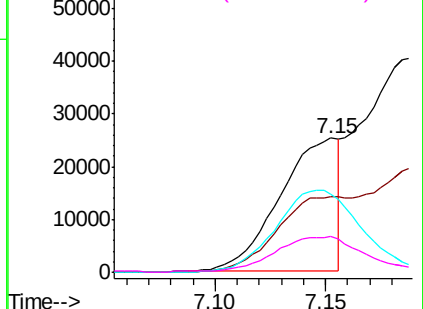
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

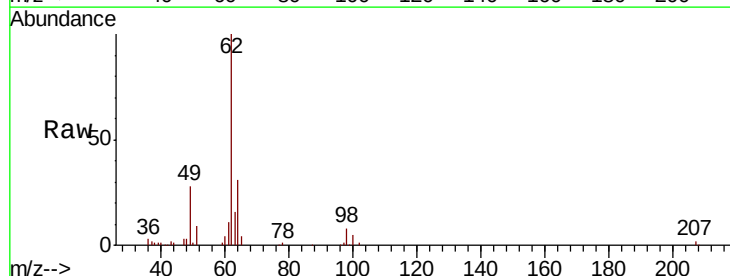
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 21.052 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

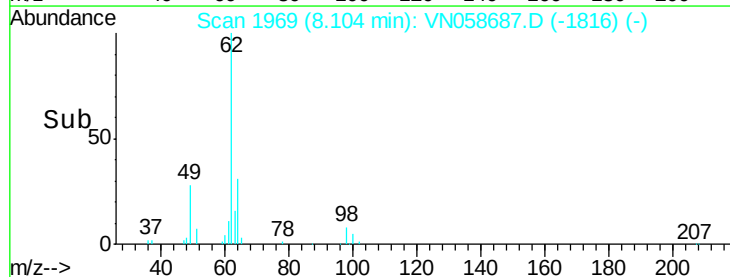
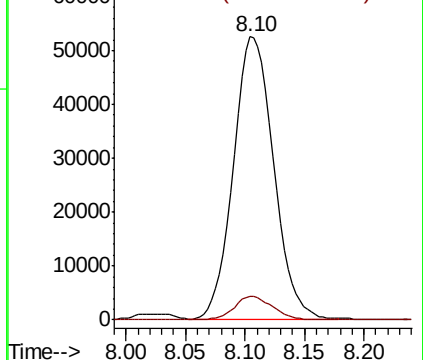
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.4	9.6

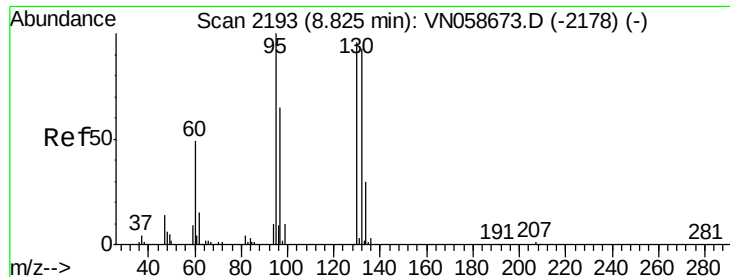


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





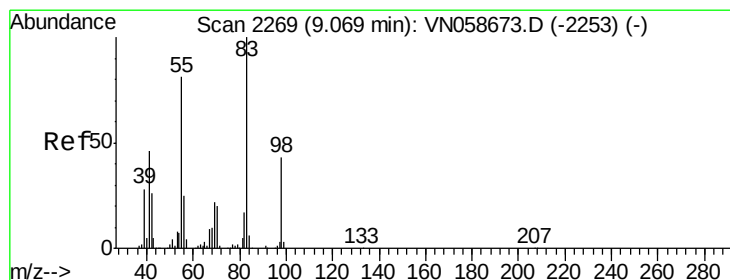
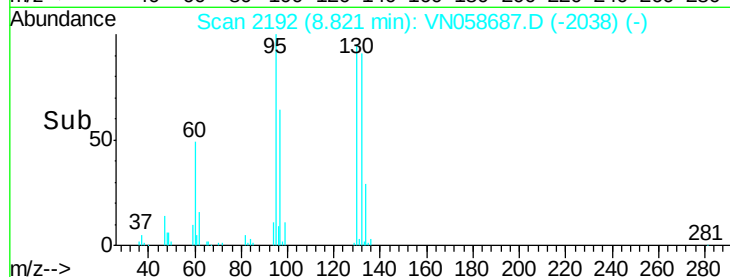
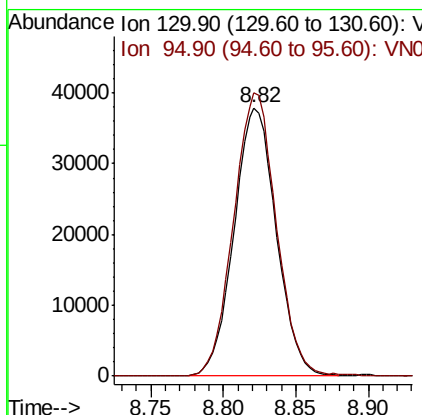
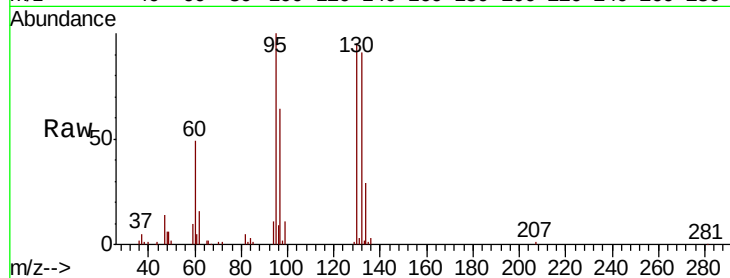
#37
 Trichloroethene
 Concen: 20.494 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
130	100		
95	105.6	83.2	124.8

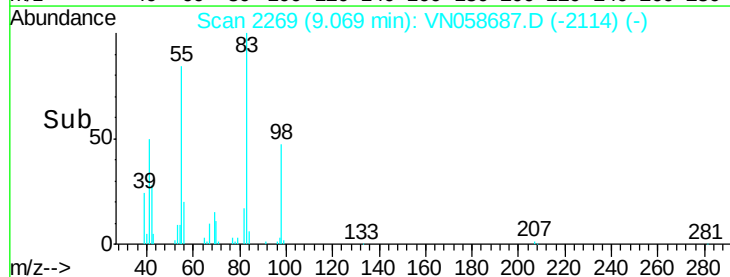
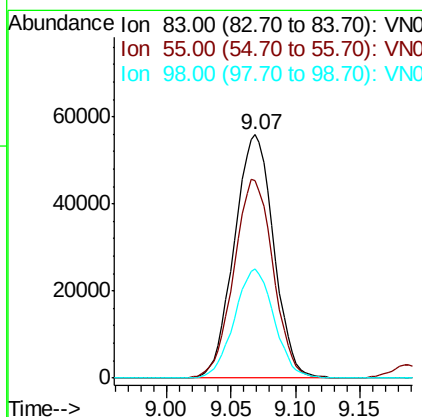
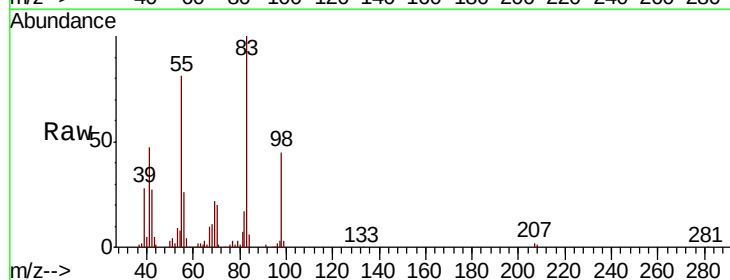
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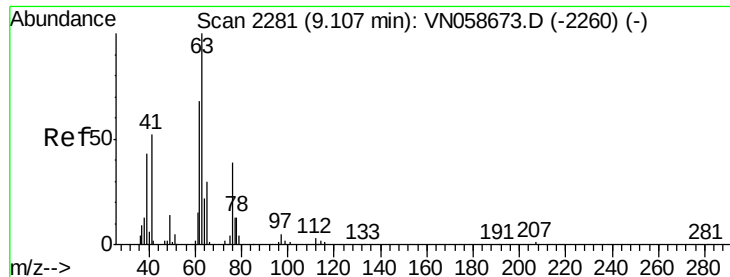
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.801 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.4	40.4	121.1
98	45.0	21.6	65.0





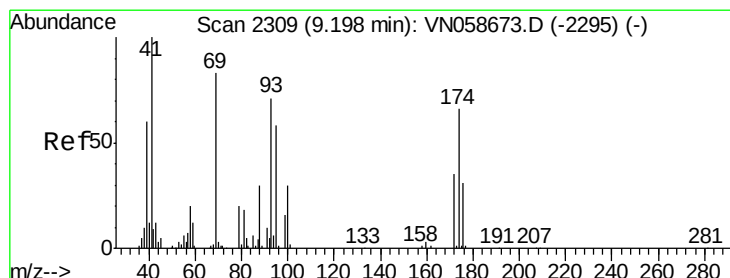
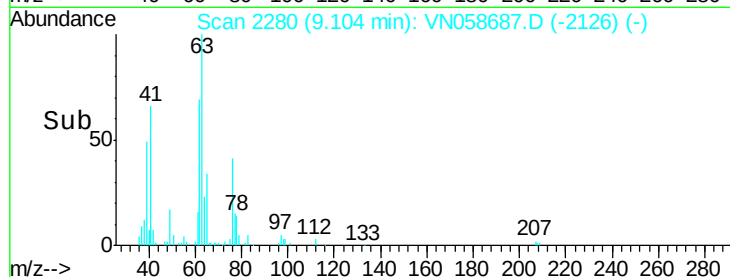
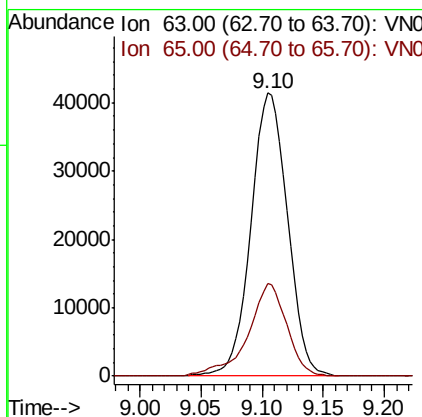
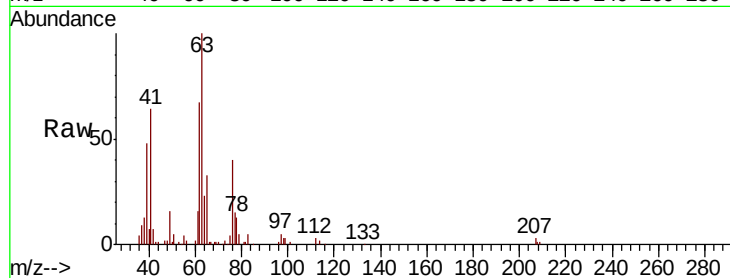
#39
 1,2-Dichloropropane
 Concen: 20.613 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	23.8	35.6

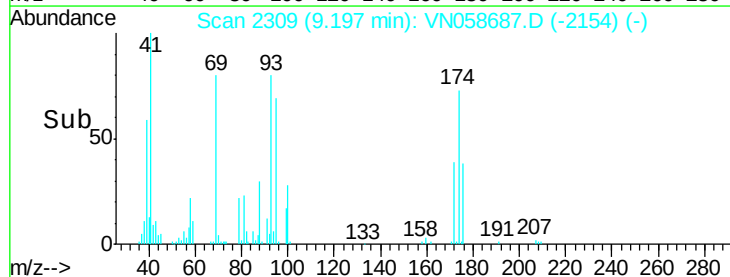
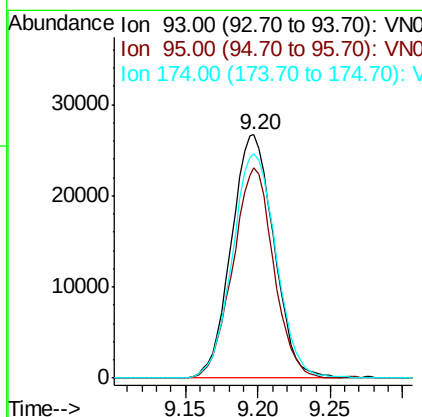
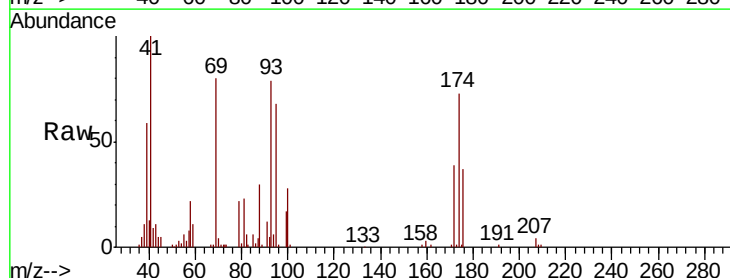
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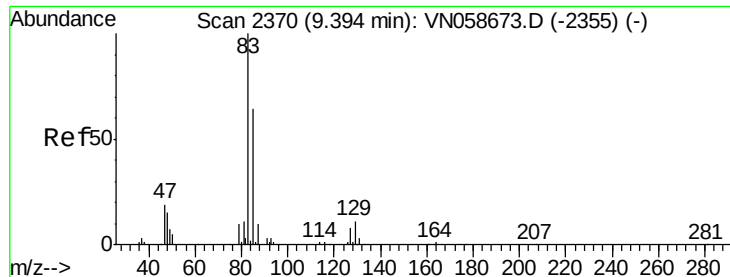
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#40
 Dibromomethane
 Concen: 20.736 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	0.0	167.6
174	94.6	0.0	187.2





#41

Bromodichloromethane

Concen: 20.659 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

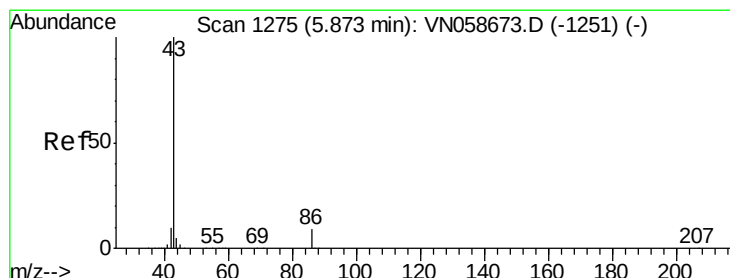
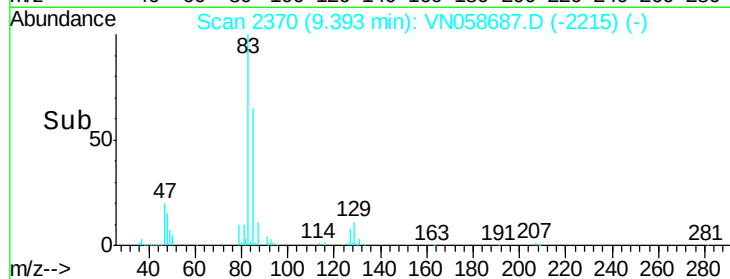
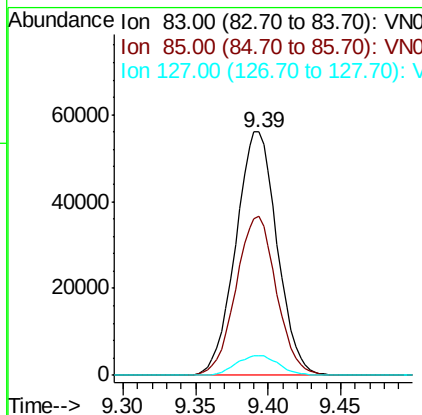
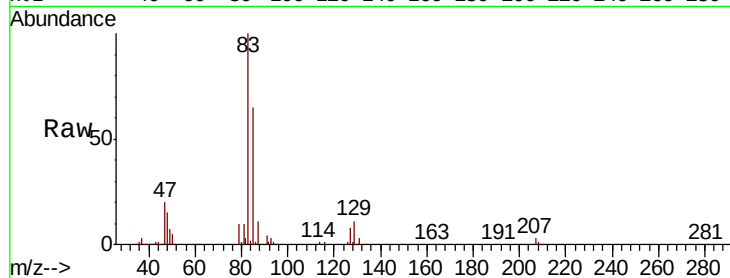
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	110978
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.0	76.4
127	8.2	6.6	9.8

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#42

Vinyl Acetate

Concen: 106.032 ug/l

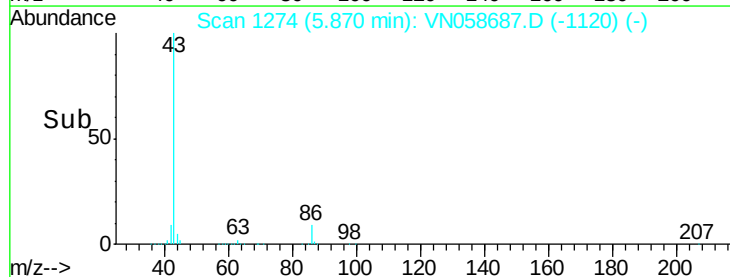
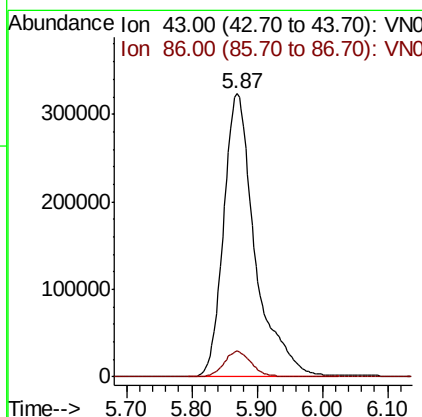
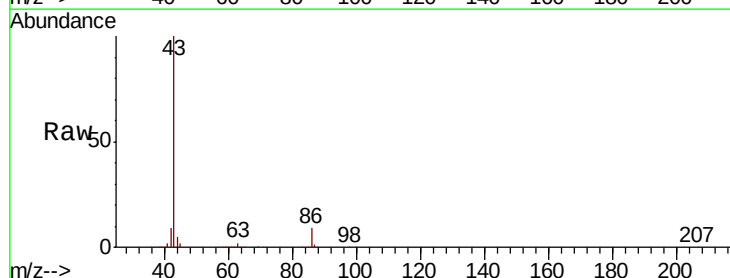
RT: 5.87 min Scan# 1274

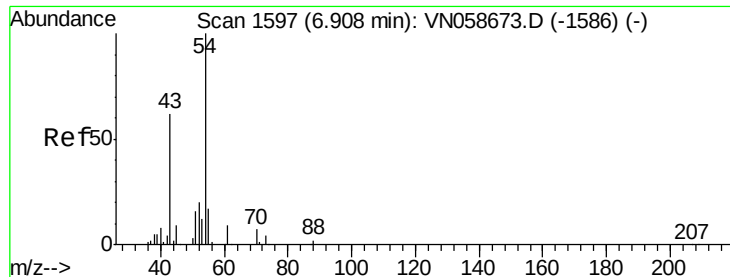
Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Tgt Ion:	43	Resp:	1086437
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.5	9.7





#43

Ethyl Acetate

Concen: 18.267 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 104897

Ion Ratio Lower Upper

43 100

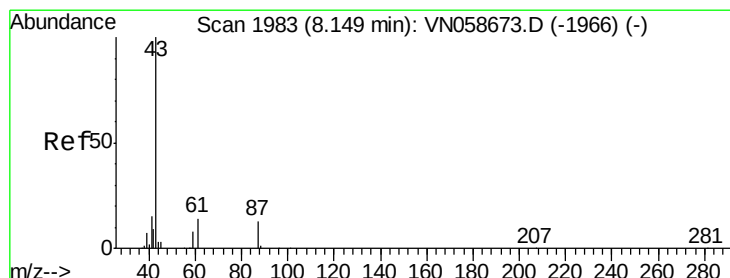
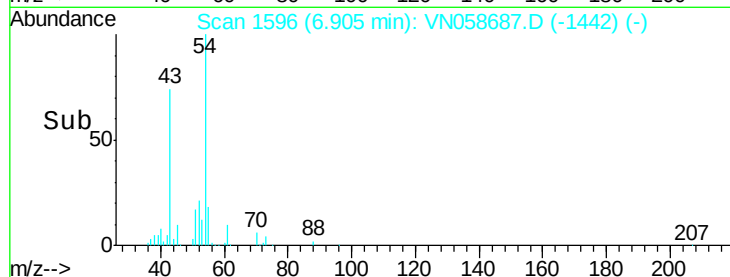
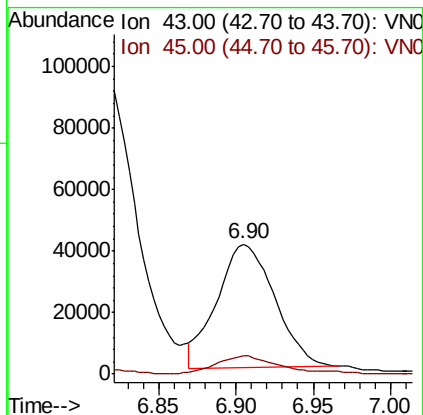
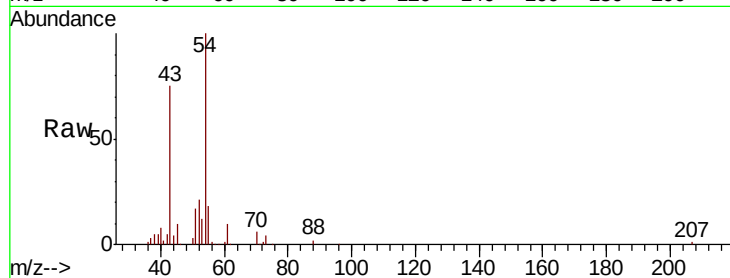
45 14.3 9.7 14.5

Manual Integrations

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#44

Isopropyl Acetate

Concen: 20.174 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058687.D

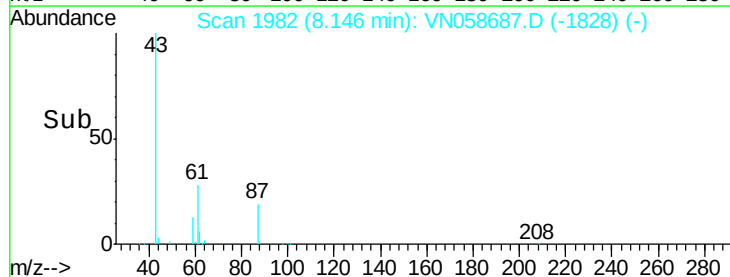
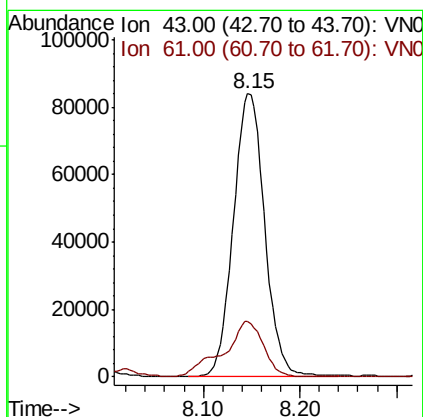
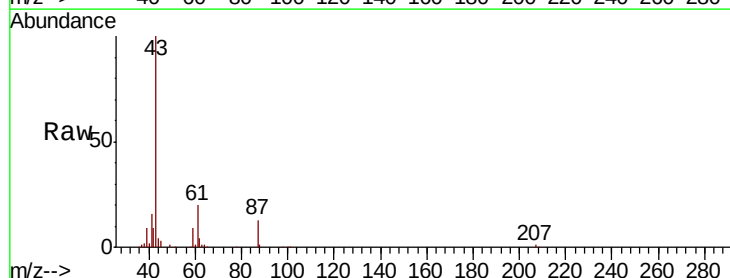
Acq: 11 Oct 2019 8:43

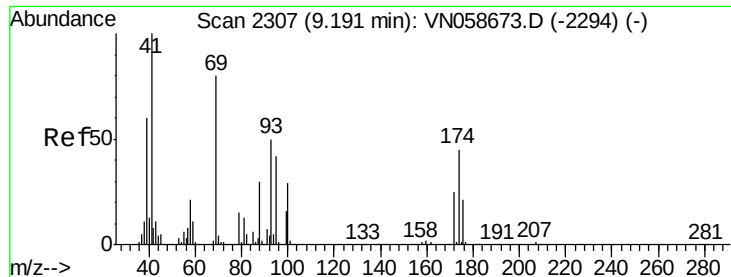
Tgt Ion: 43 Resp: 187648

Ion Ratio Lower Upper

43 100

61 24.8 19.9 29.9





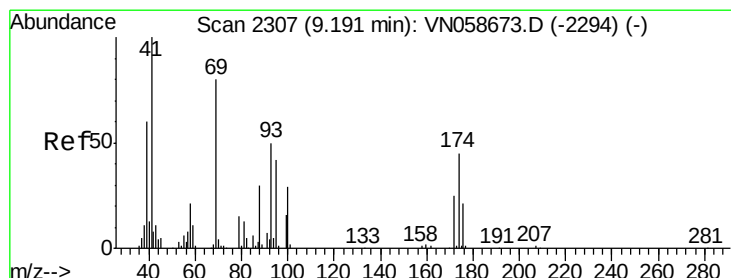
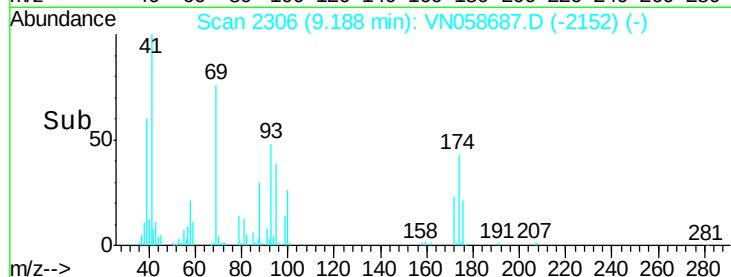
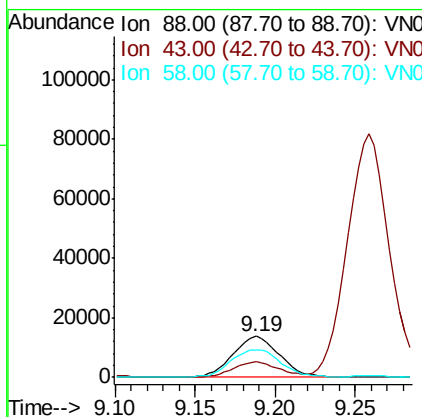
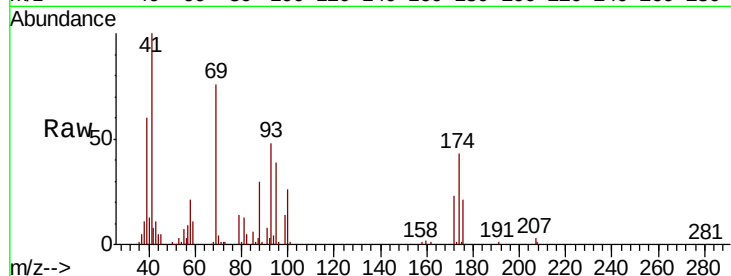
#45
1,4-Dioxane
Concen: 387.113 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	88	Resp	27649
Ion	Ratio	Lower	Upper
88	100		
43	35.5	29.8	44.8
58	72.1	58.2	87.4

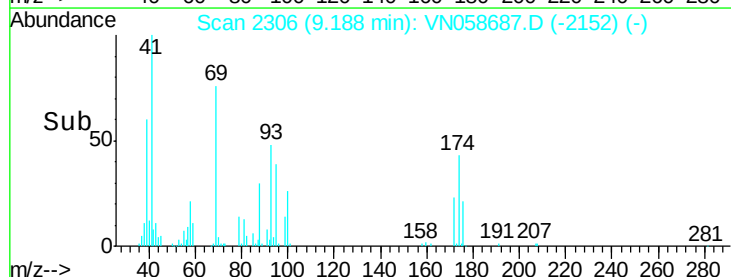
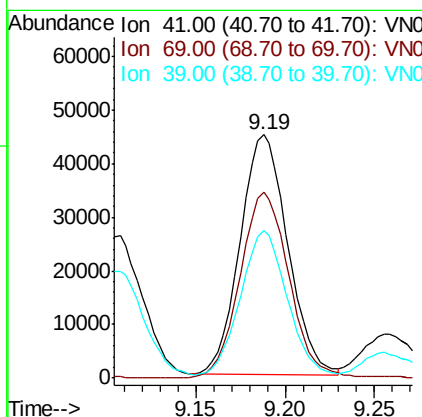
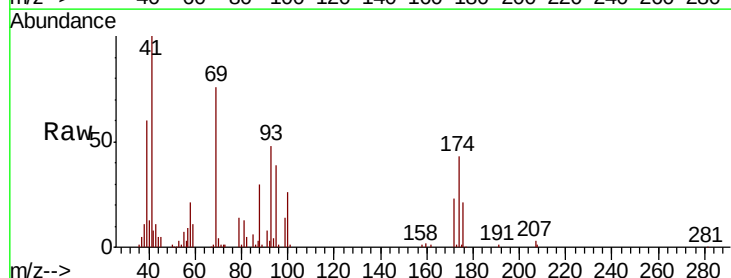
Manual Integrations
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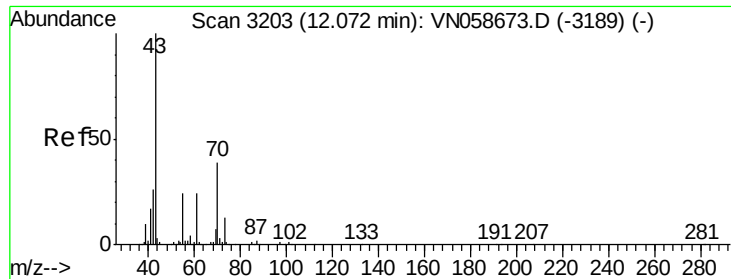
MMDadoda
10/14/2019 4:59:16 PM



#46
Methyl methacrylate
Concen: 19.614 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	41	Resp	83753
Ion	Ratio	Lower	Upper
41	100		
69	77.6	40.2	120.5
39	59.6	29.9	89.8





#47

n-amvl Acetate

Concen: 19.406 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 160015

Ion Ratio Lower Upper

43 100

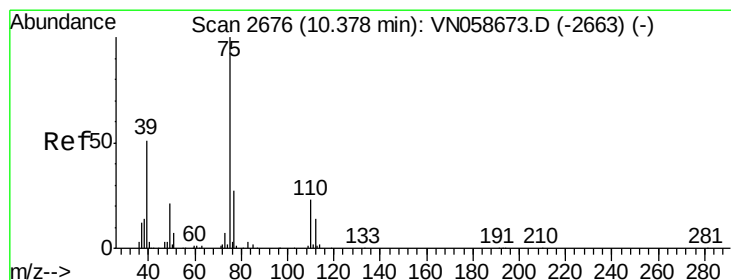
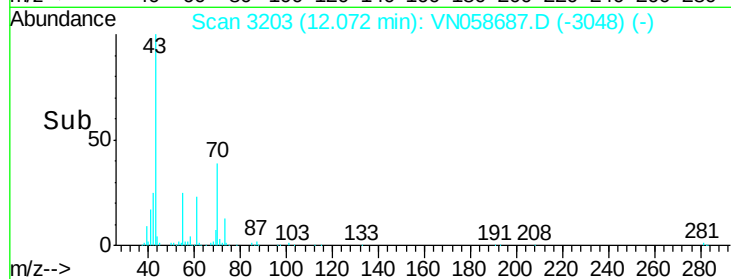
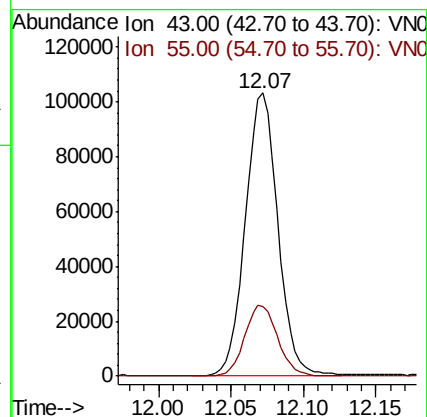
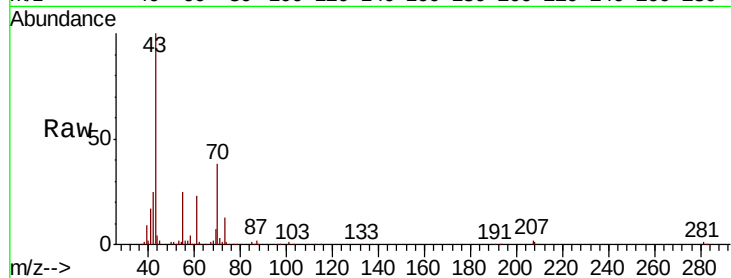
55 25.6 19.6 29.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 20.046 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058687.D

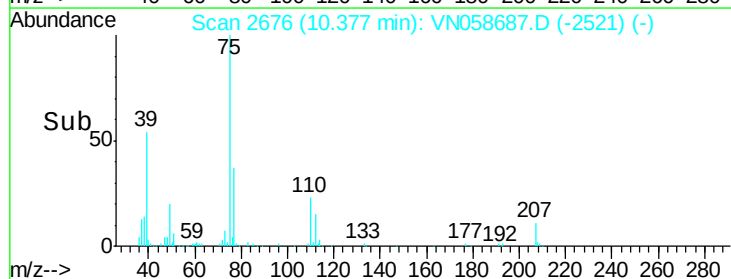
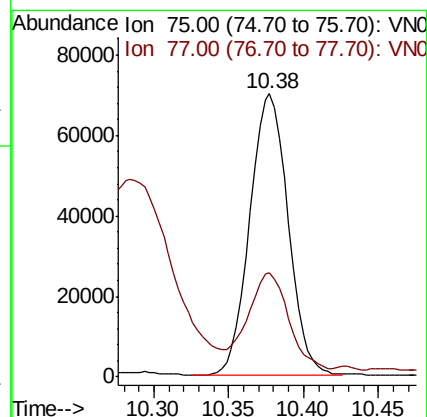
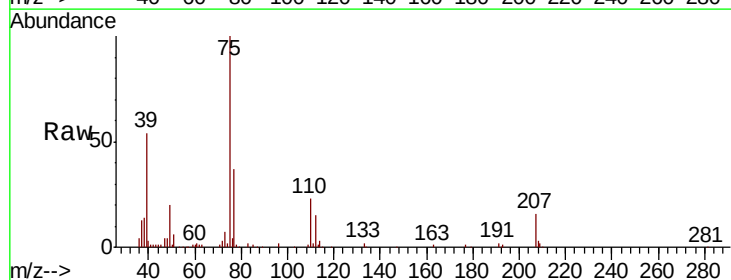
Acq: 11 Oct 2019 8:43

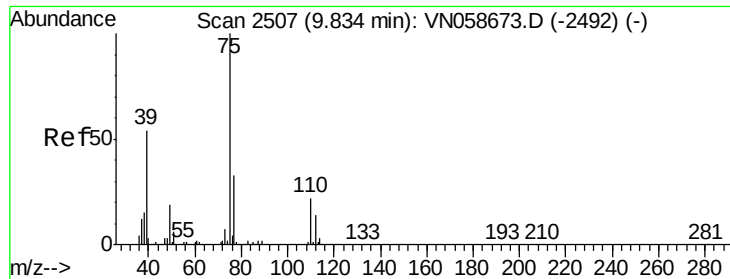
Tgt Ion: 75 Resp: 124892

Ion Ratio Lower Upper

75 100

77 33.0 27.0 40.4





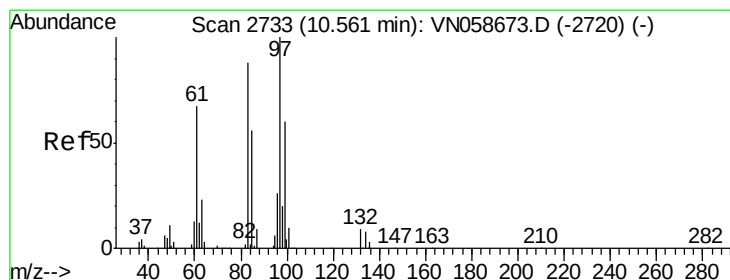
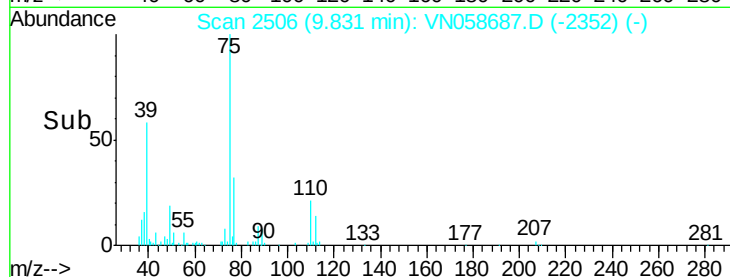
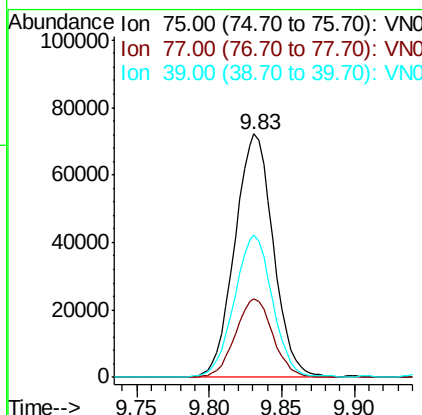
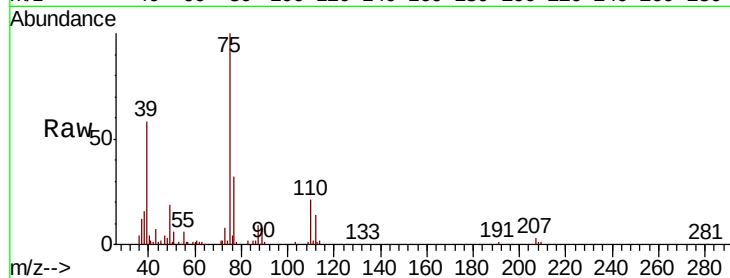
#49
 cis-1,3-Dichloropropene
 Concen: 20.336 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	75	Resp:	133045
Ion Ratio	Lower	Upper	
75	100		
77	32.5	26.1	39.1
39	58.2	43.1	64.7

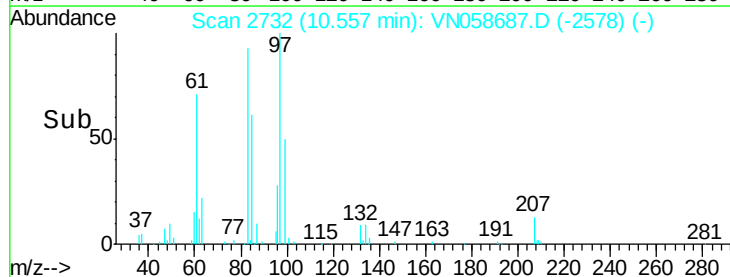
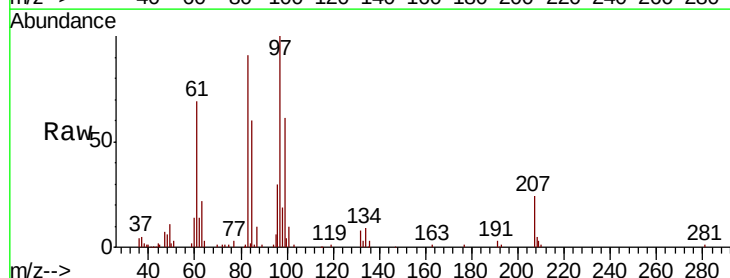
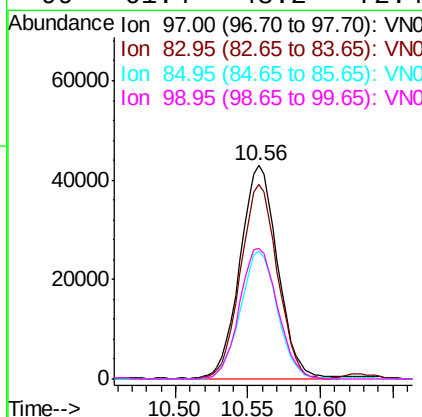
Manual Integrations
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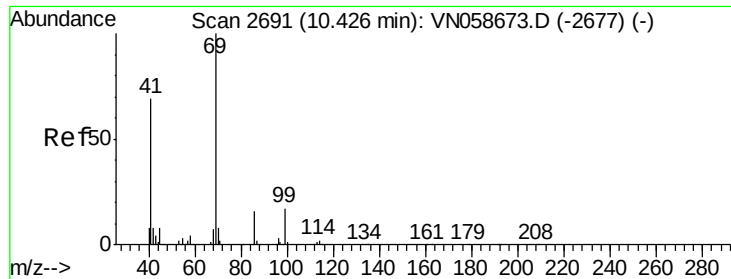
MMDadoda
 10/14/2019 4:59:16 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.838 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion:	97	Resp:	78221
Ion Ratio	Lower	Upper	
97	100		
83	91.1	70.7	106.1
85	60.0	45.1	67.7
99	61.4	48.2	72.4





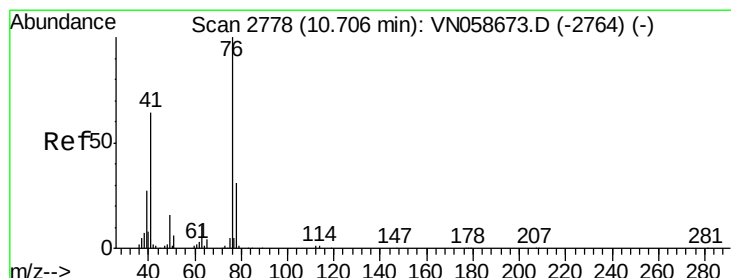
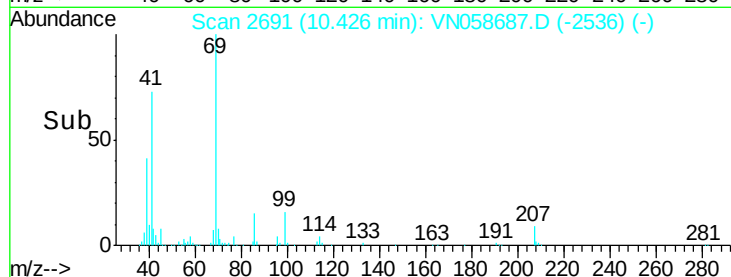
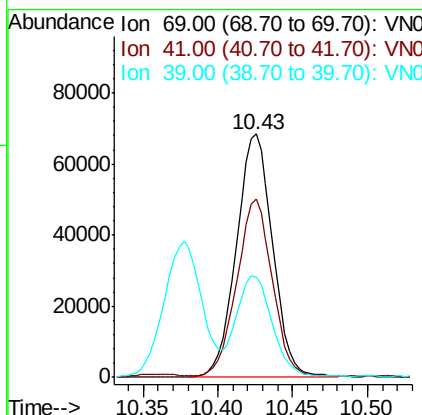
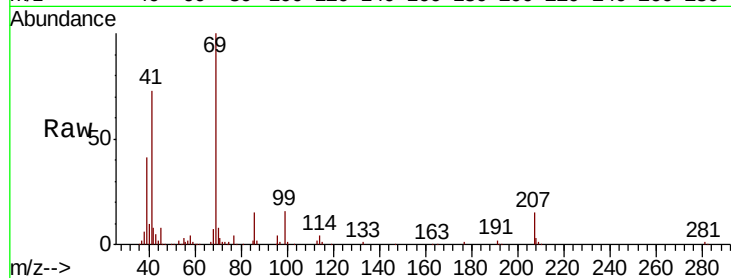
#51
Ethyl methacrylate
Concen: 19.268 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
69	100		
41	72.6	34.7	104.1
39	40.7	20.3	60.8

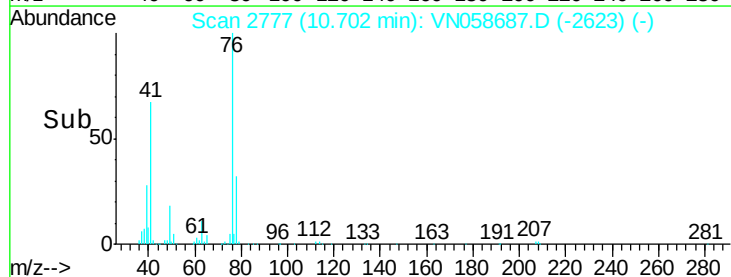
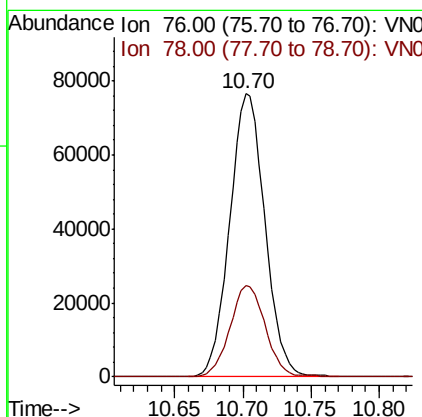
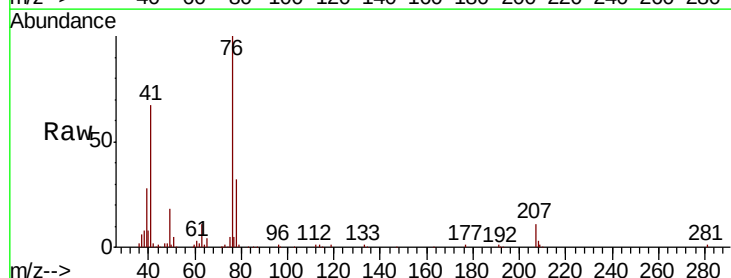
Manual Integrations
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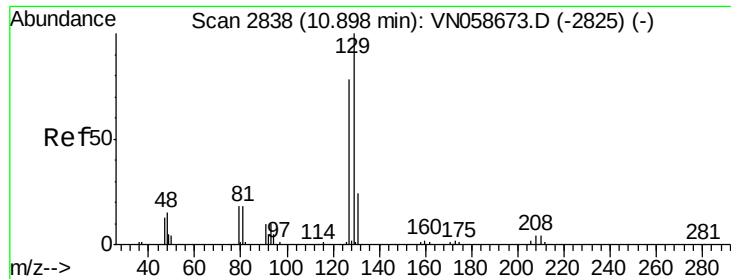
MMDadoda
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#52
1,3-Dichloropropane
Concen: 20.528 ug/l
RT: 10.70 min Scan# 2777
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	63.2





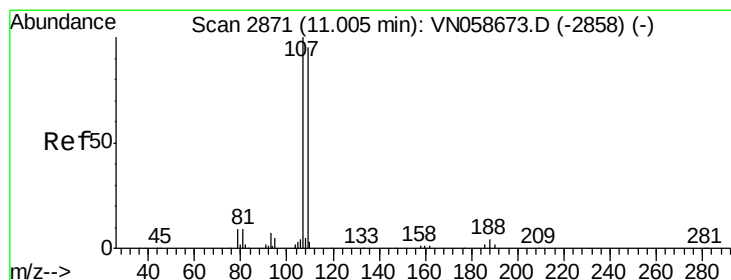
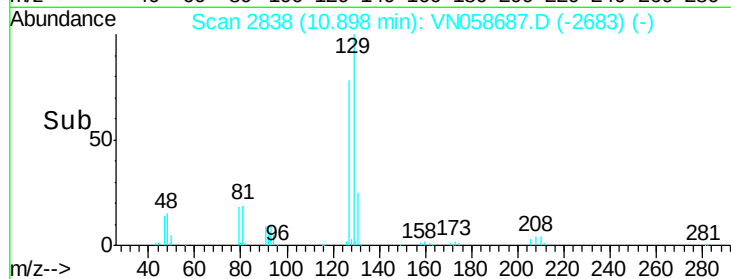
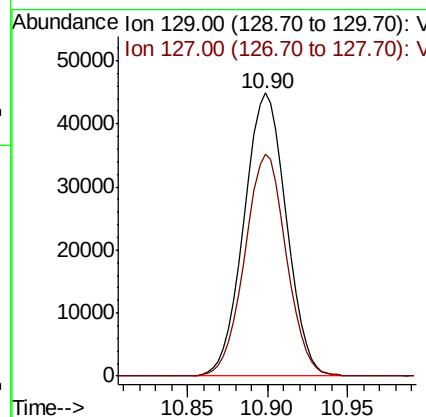
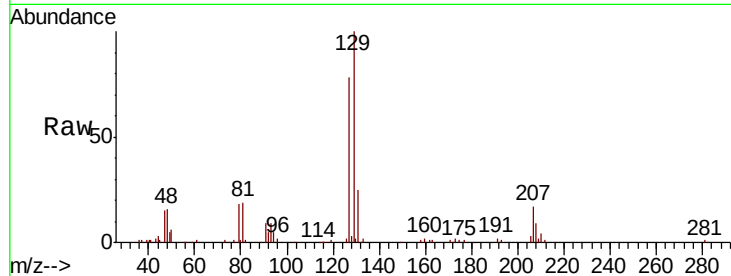
#53
 Dibromochloromethane
 Concen: 20.141 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.0	39.1	117.5	

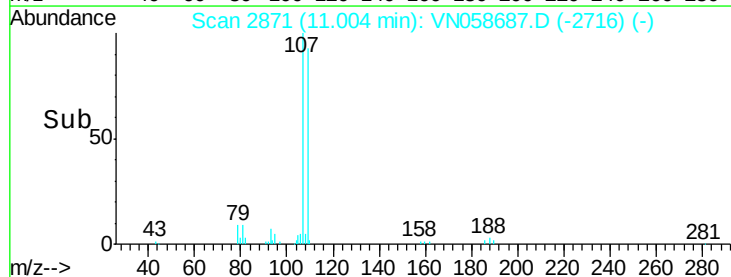
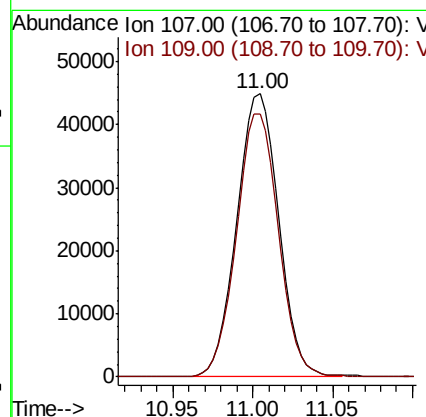
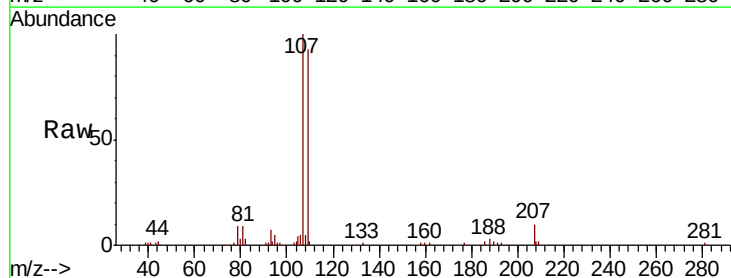
Manual Integrations
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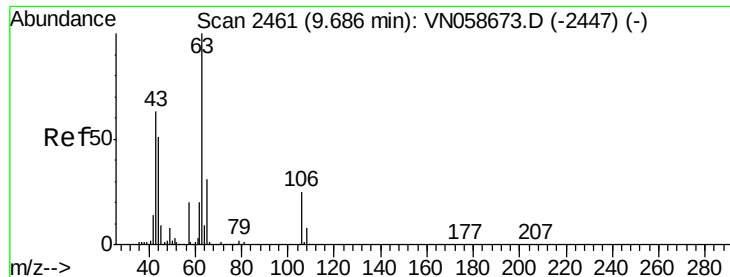
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 20.604 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	93.2	76.2	114.4	





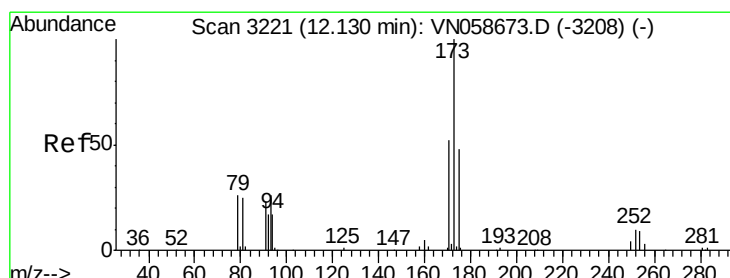
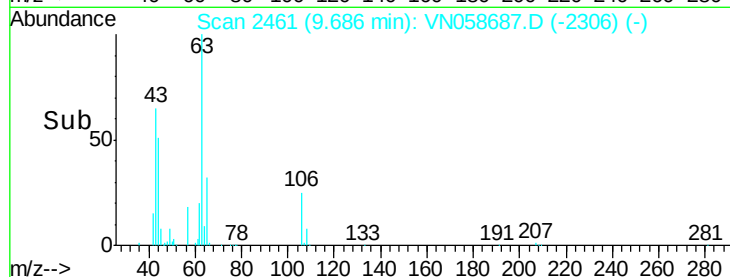
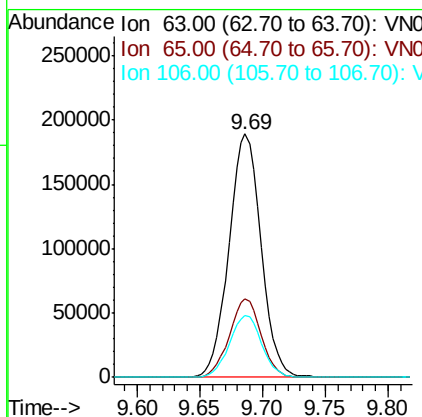
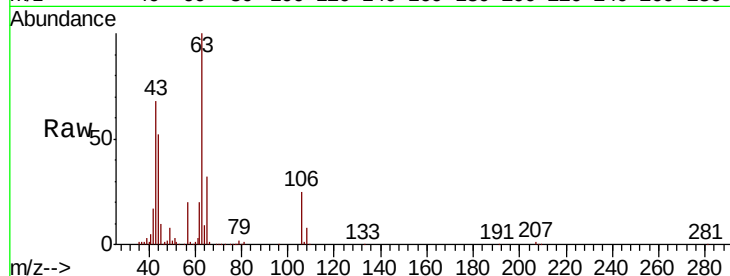
#55
2-Chloroethyl vinyl ether
Concen: 112.647 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.3	37.9
106	25.4	19.8	29.6

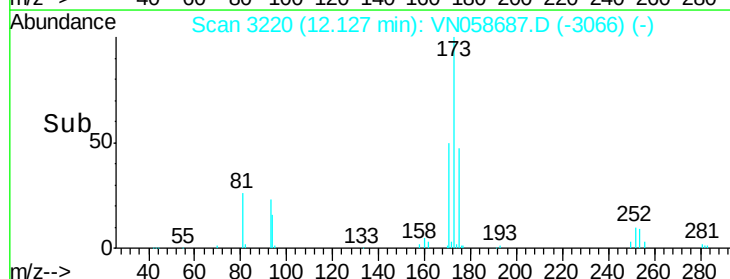
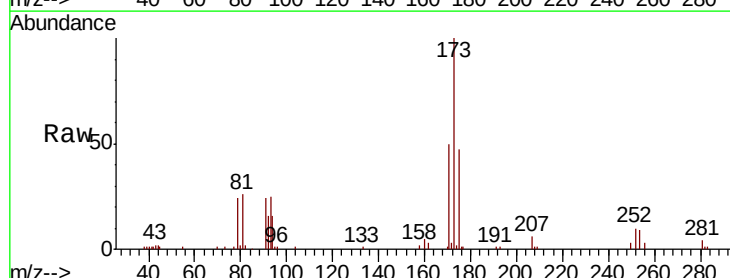
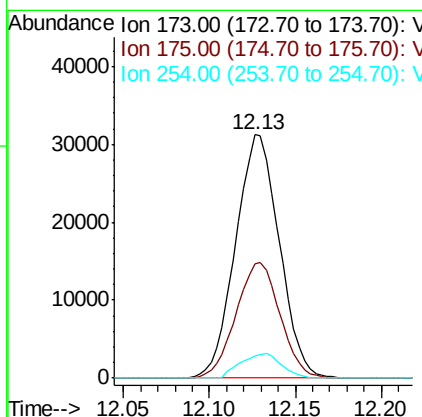
Manual Integrations
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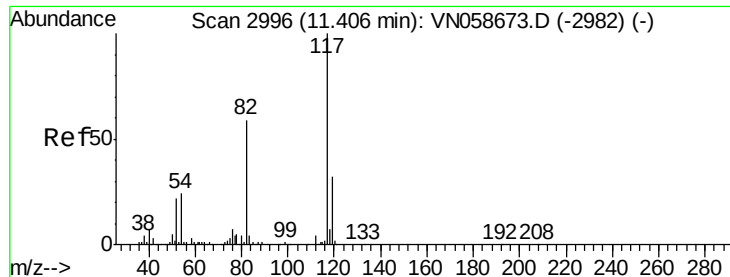
MMDadoda
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#56
Bromoform
Concen: 19.617 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.7	58.1
254	9.5	7.4	11.2





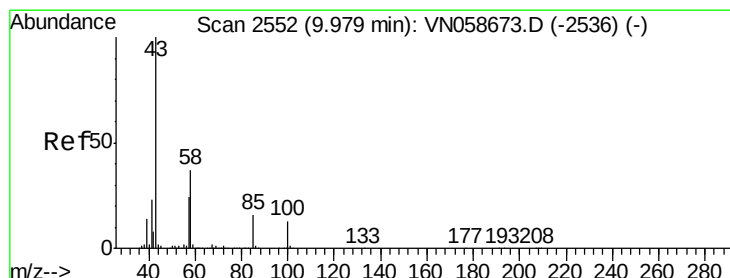
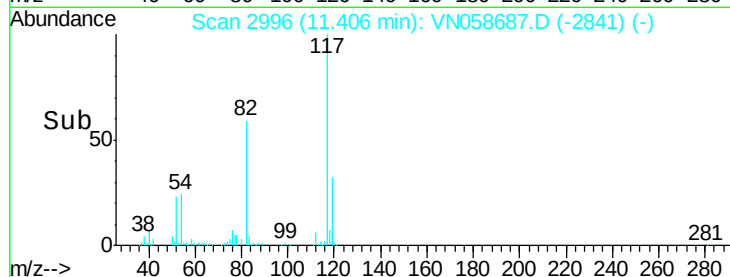
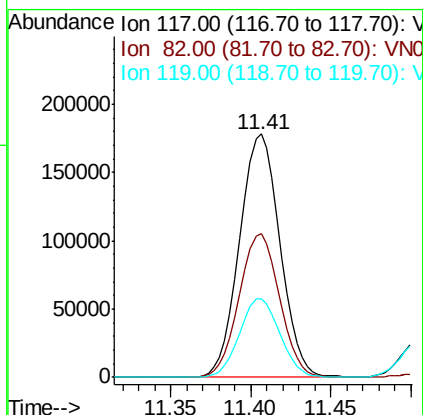
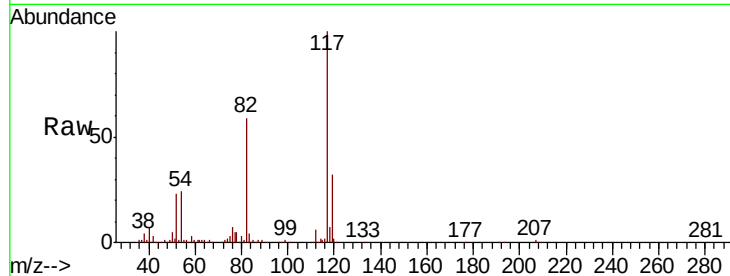
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.9	70.3
119	32.2	25.8	38.6

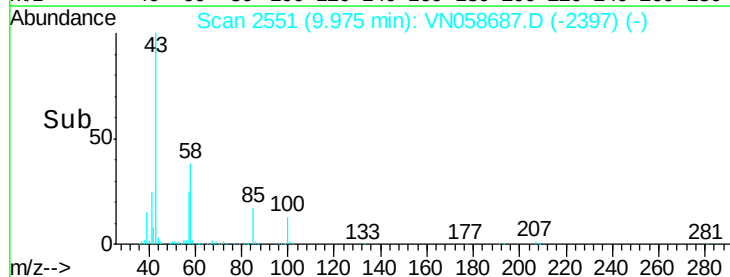
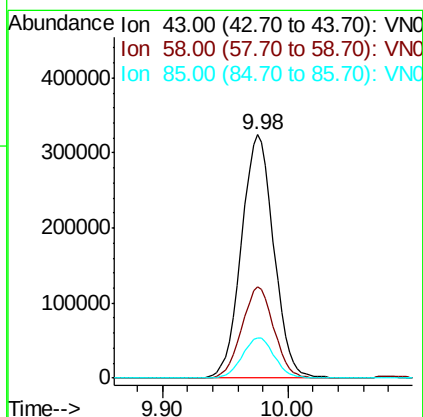
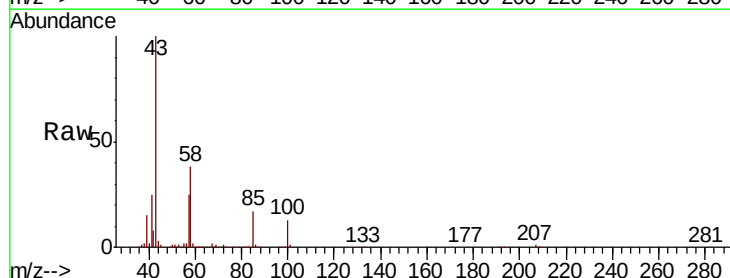
Manual Integrations
APPROVED

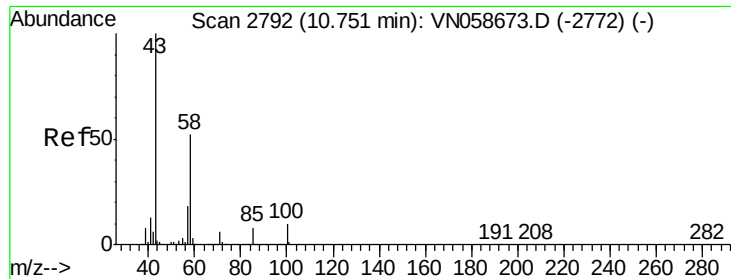
MMDadoda
10/14/2019 4:59:16 PM



#58
4-Methyl-2-Pentanone
Concen: 103.561 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1
85	16.5	13.2	19.8





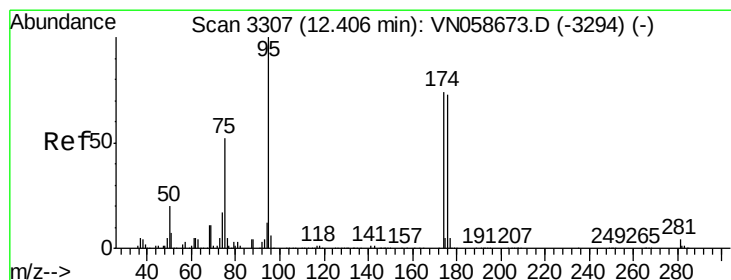
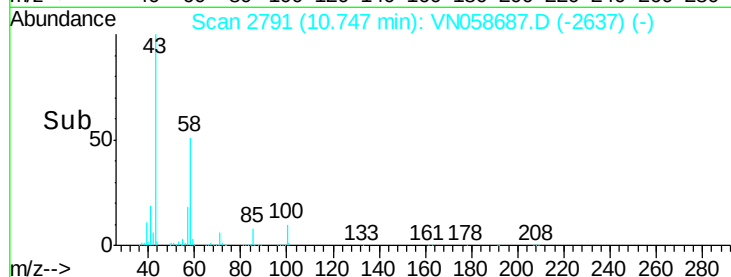
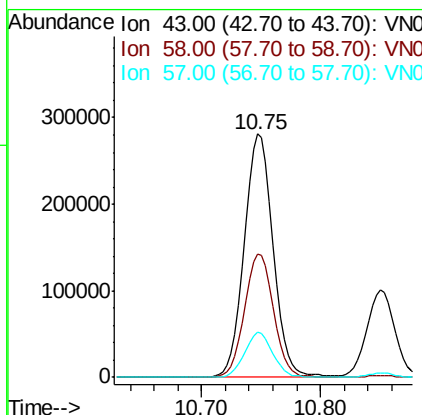
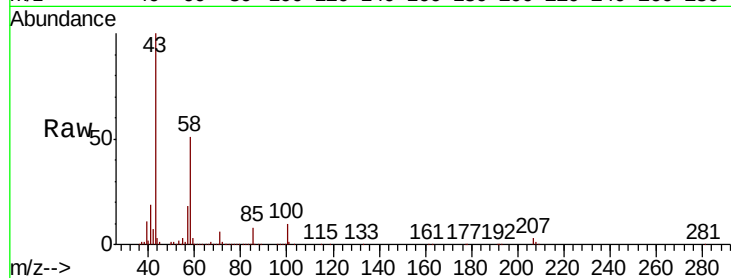
#59
2-Hexanone
Concen: 107.398 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	Resp	472227
Ion Ratio	Lower	Upper	
43	100		
58	51.0	41.4	62.0
57	18.0	14.7	22.1

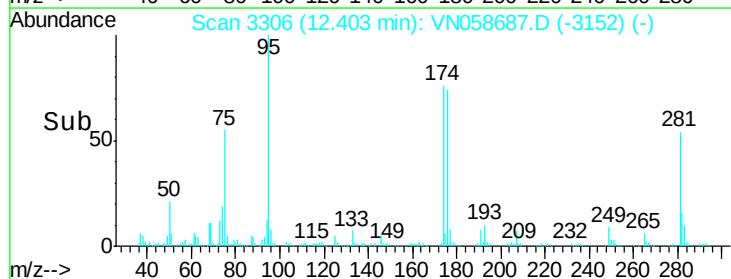
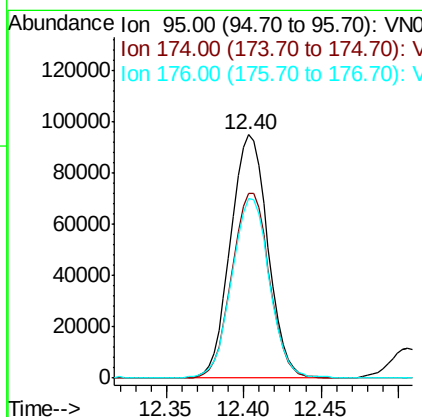
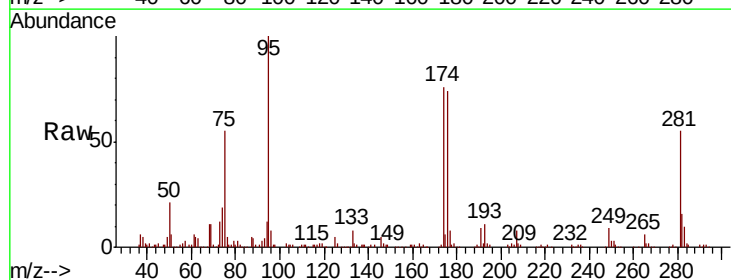
Manual Integrations
APPROVED

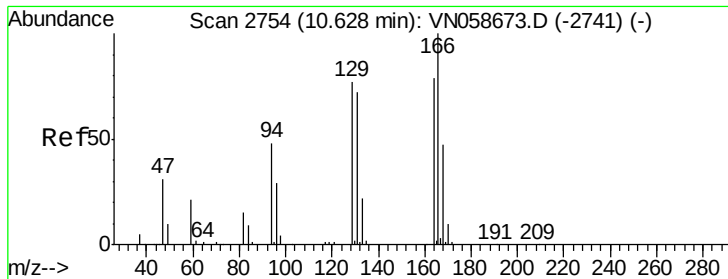
MMDadoda
10/14/2019 4:59:16 PM



#60
4-Bromofluorobenzene
Concen: 29.551 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	95	Resp	158925
Ion Ratio	Lower	Upper	
95	100		
174	76.7	59.9	89.9
176	74.2	58.3	87.5





#61

Tetrachloroethene

Concen: 20.855 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

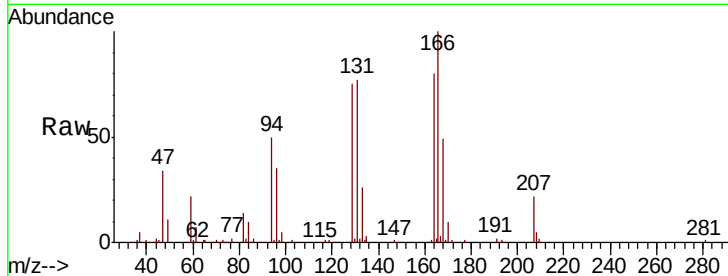
ClientSampleId :

VSTDCCC020

Tot Ion:	164	Resp:	69287
Ion	Ratio	Lower	Upper
164	100		
166	124.7	101.4	152.2
129	94.2	78.1	117.1
131	96.5	73.2	109.8

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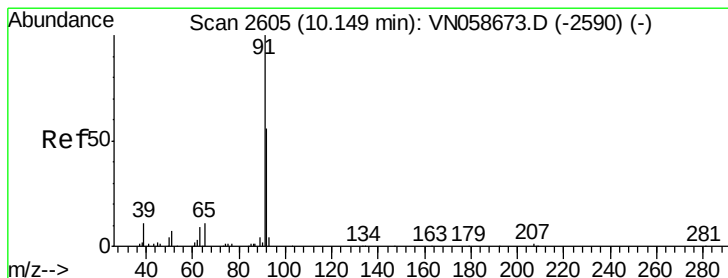
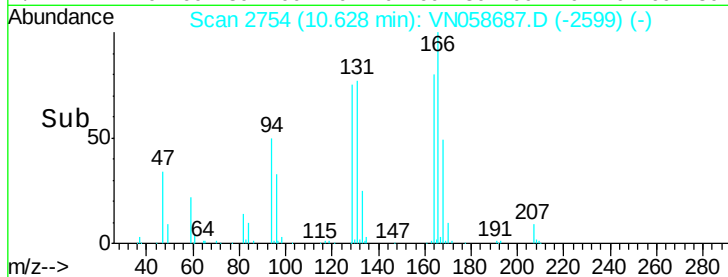
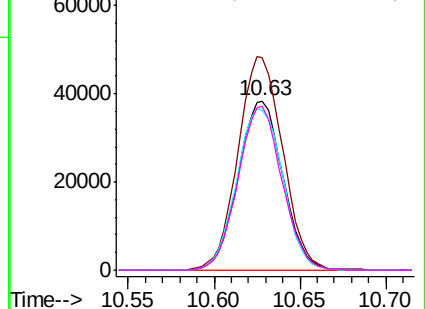


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.229 ug/l

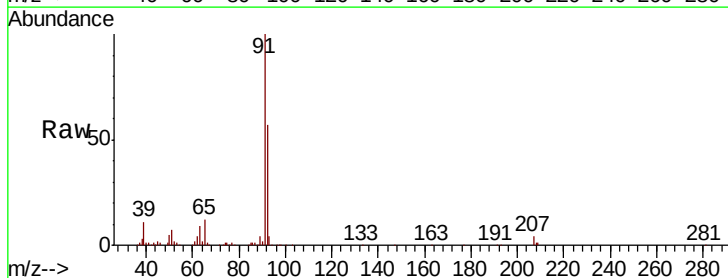
RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058687.D

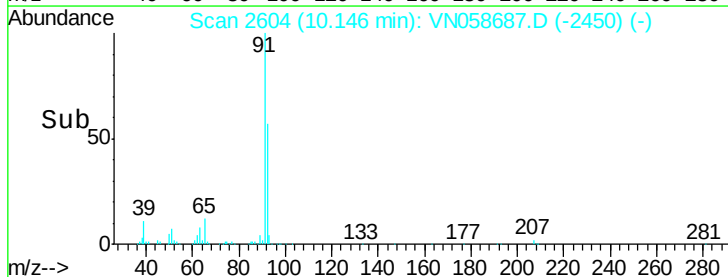
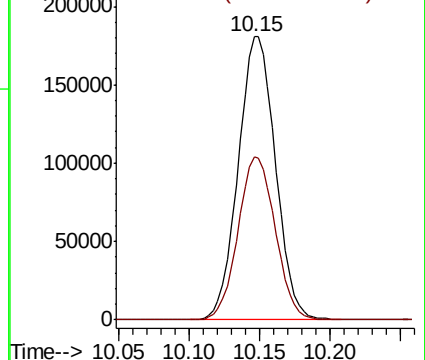
Acq: 11 Oct 2019 8:43

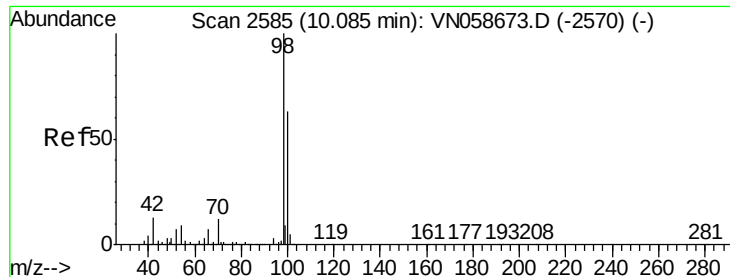
Tgt Ion:	91	Resp:	334536
Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.4	68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 29.607 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 429788

Ion Ratio Lower Upper

98 100

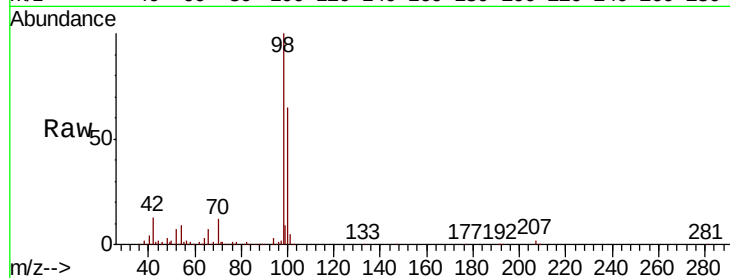
100 64.4 50.6 75.8

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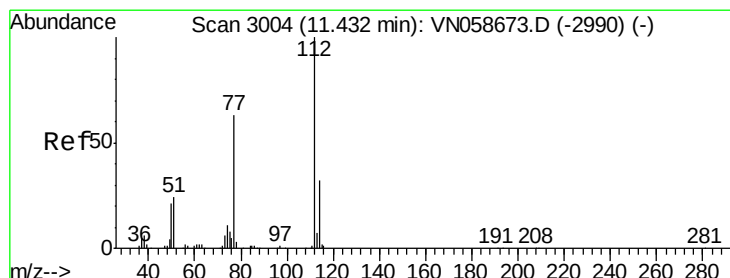
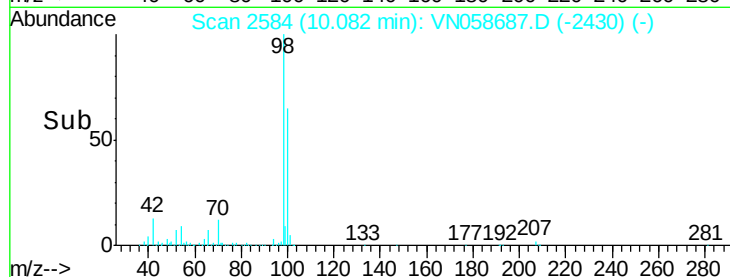
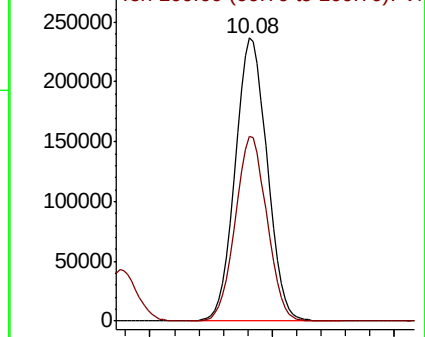
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Abundance Ion 98.00 (97.70 to 98.70): VN058687.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058687.D (-2570) (-)



#64

Chlorobenzene

Concen: 20.156 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058687.D

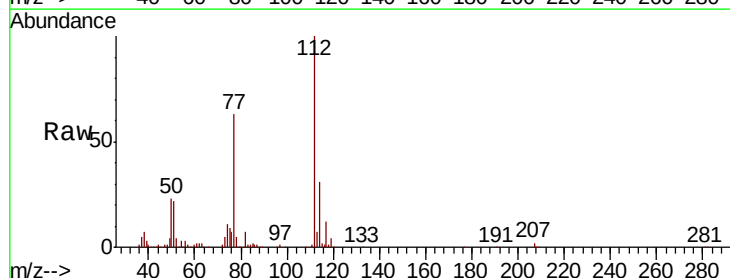
Acq: 11 Oct 2019 8:43

Tgt Ion: 112 Resp: 203799

Ion Ratio Lower Upper

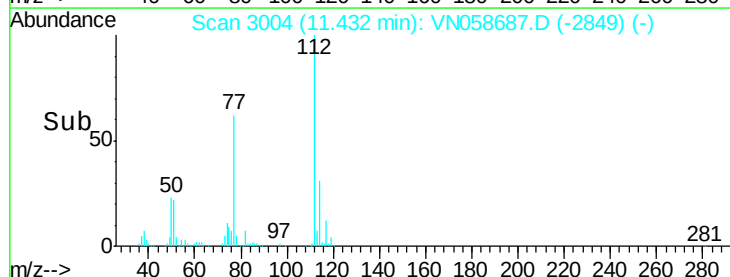
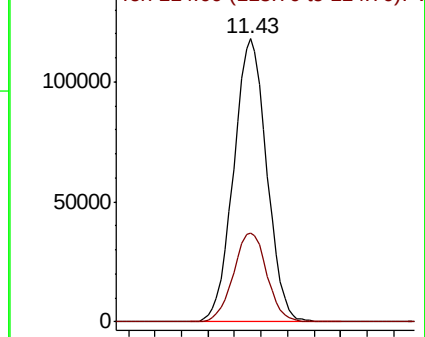
112 100

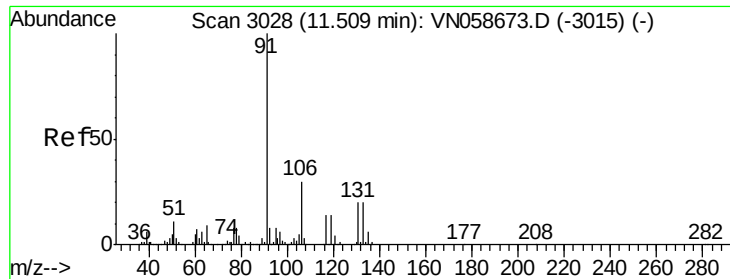
114 31.5 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN058687.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN058687.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.969 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

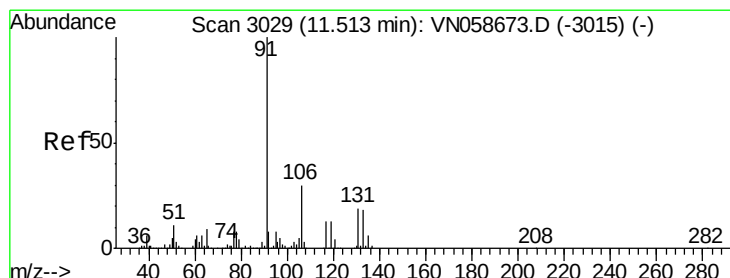
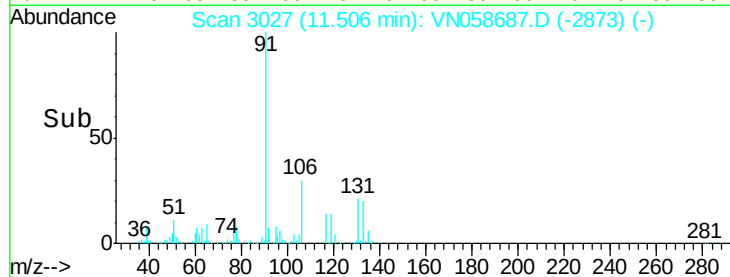
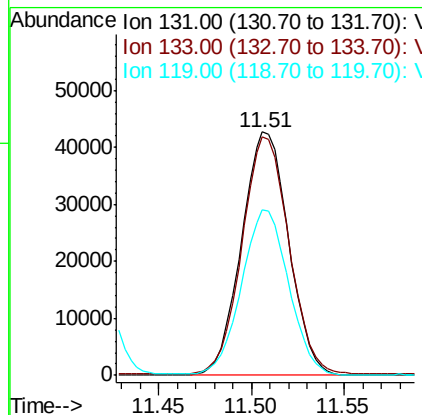
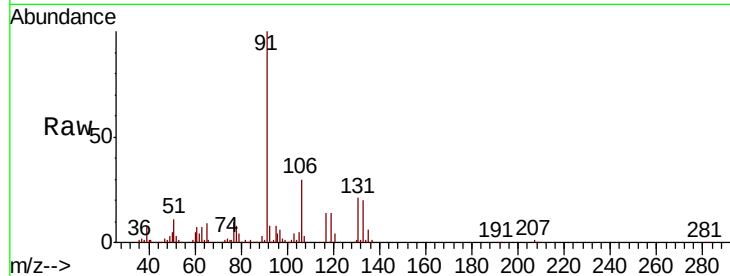
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.0	0.0	194.0
119	68.2	0.0	136.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.300 ug/l

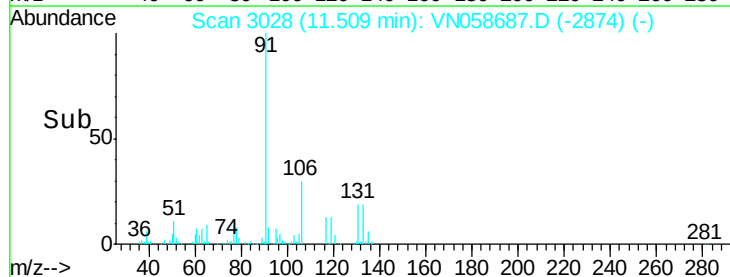
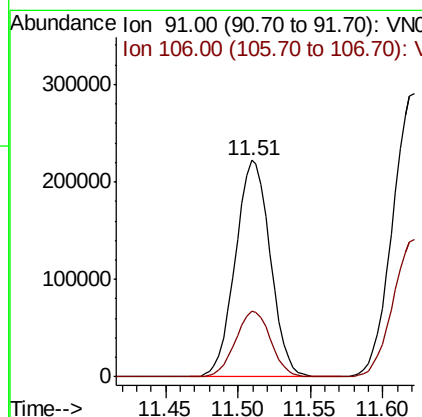
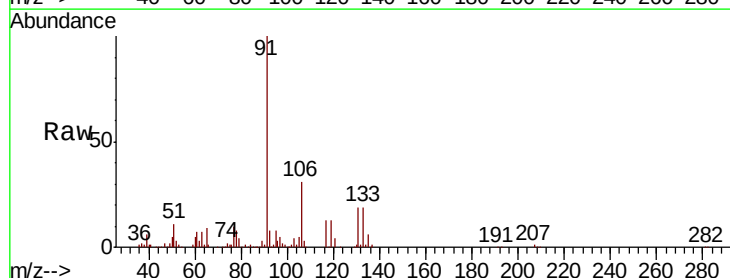
RT: 11.51 min Scan# 3028

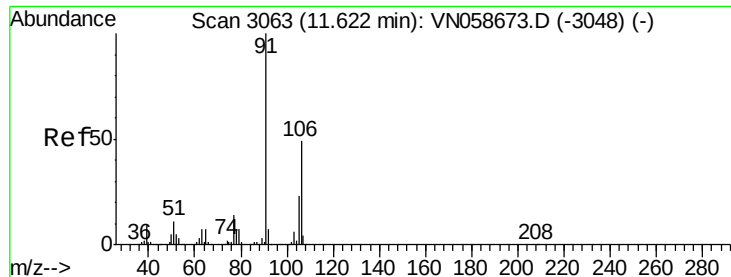
Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4





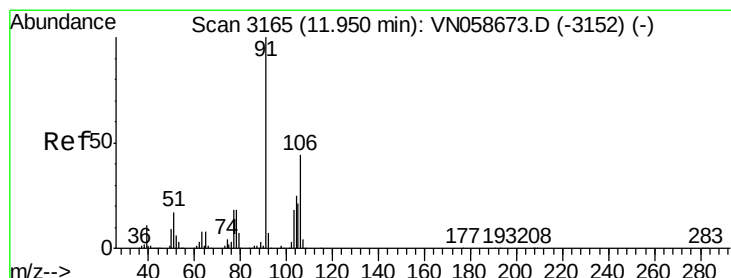
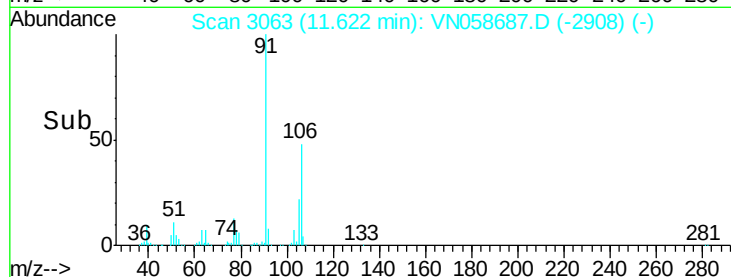
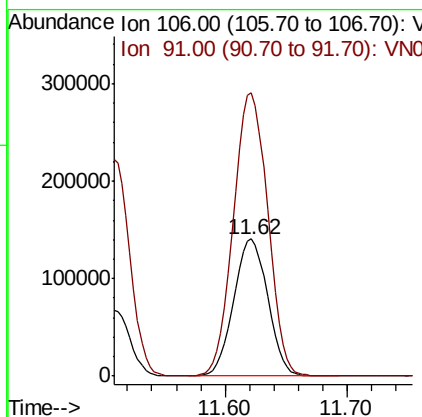
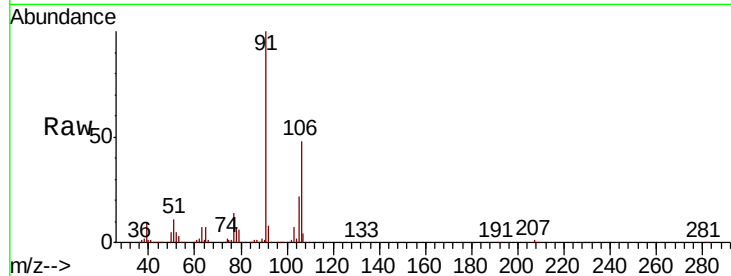
#67
m/p-Xylenes
Concen: 39.781 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 272159
Ion Ratio Lower Upper
106 100
91 208.3 165.6 248.4

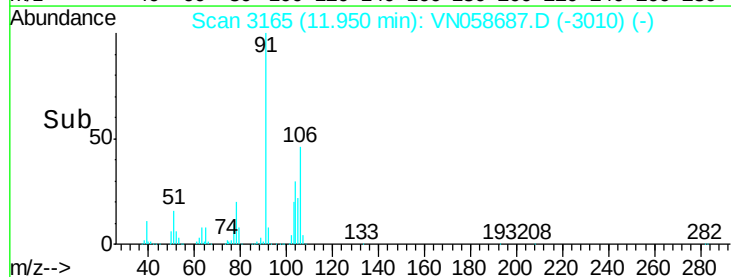
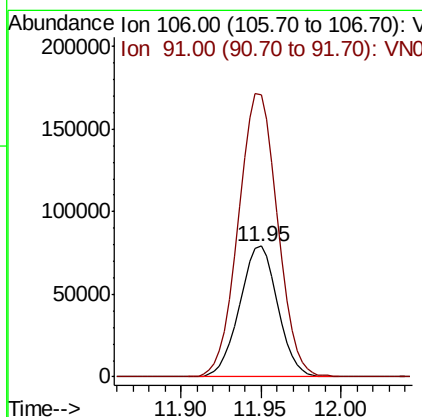
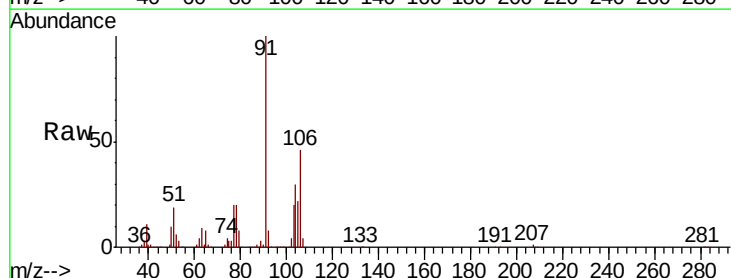
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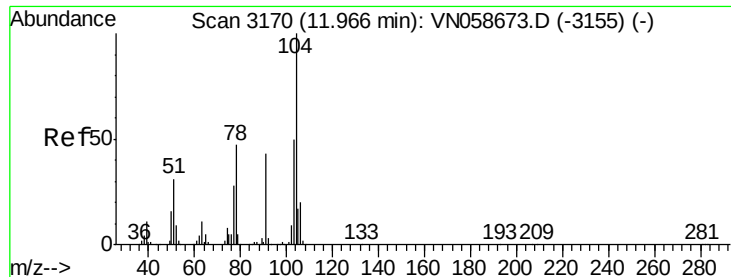
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#68
o-Xylene
Concen: 19.284 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion:106 Resp: 127901
Ion Ratio Lower Upper
106 100
91 223.4 109.8 329.4





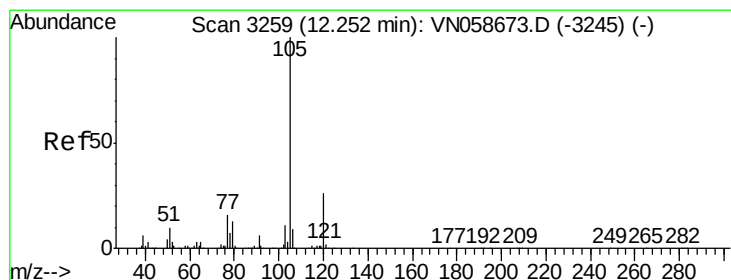
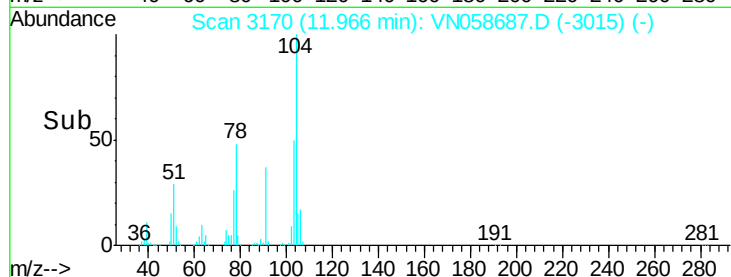
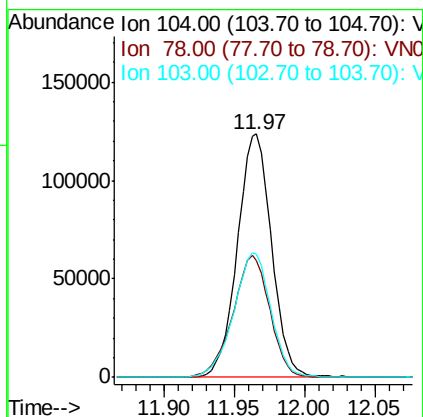
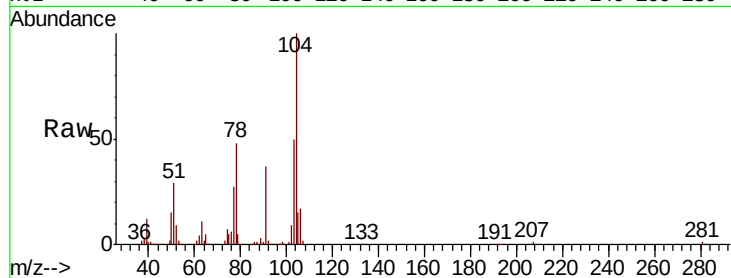
#69
Stvrene
Concen: 19.217 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.4	63.6
103	55.6	44.6	66.8

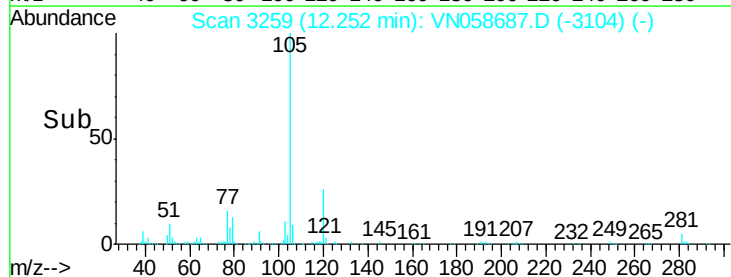
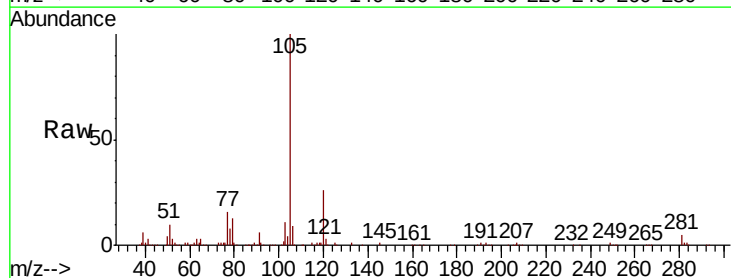
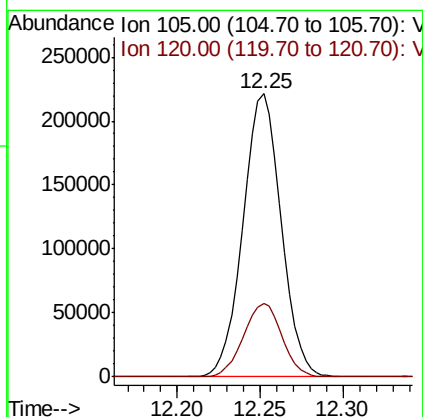
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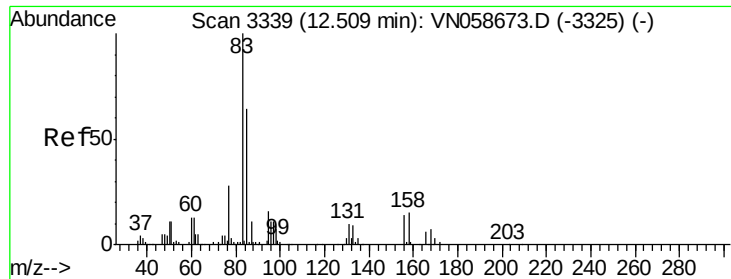
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#70
Isopropylbenzene
Concen: 19.847 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.996 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

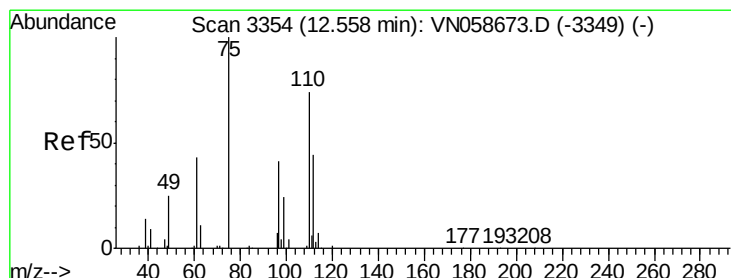
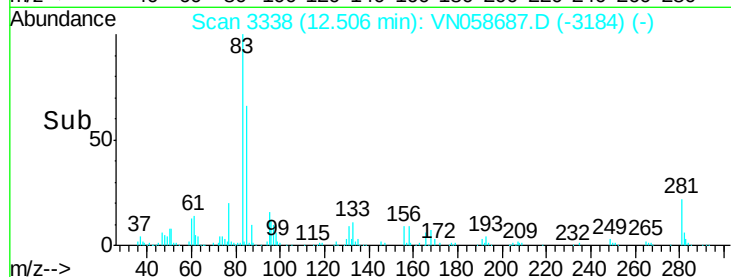
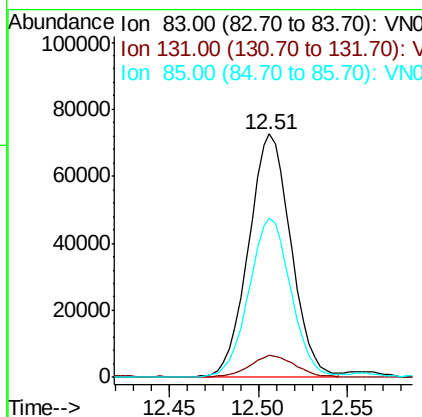
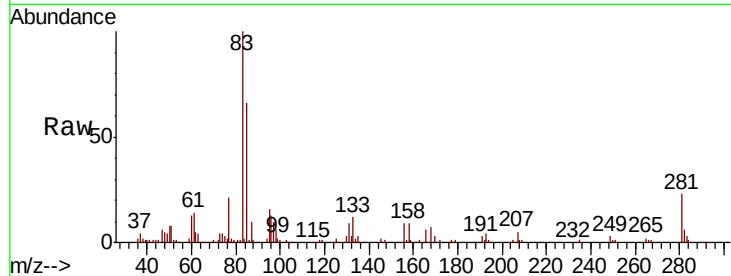
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	120542
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.9	14.7
85	64.2	31.6	94.7

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#72

1,2,3-Trichloropropane

Concen: 19.663 ug/l m

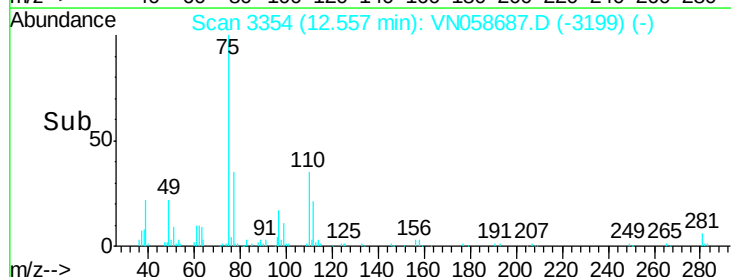
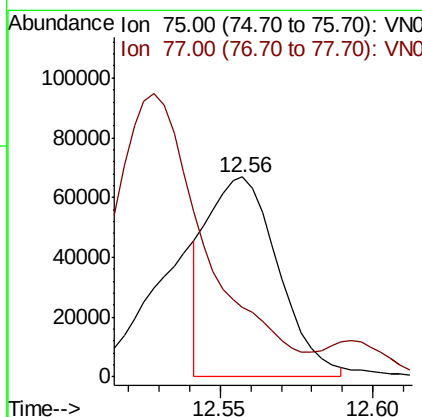
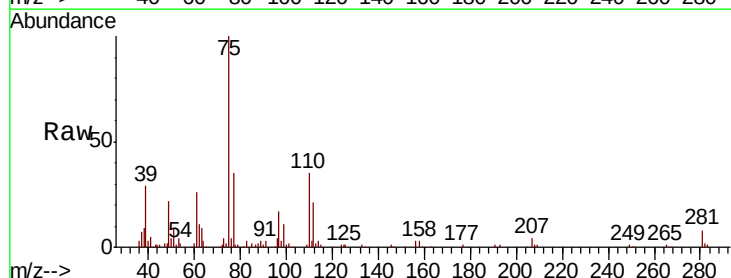
RT: 12.56 min Scan# 3354

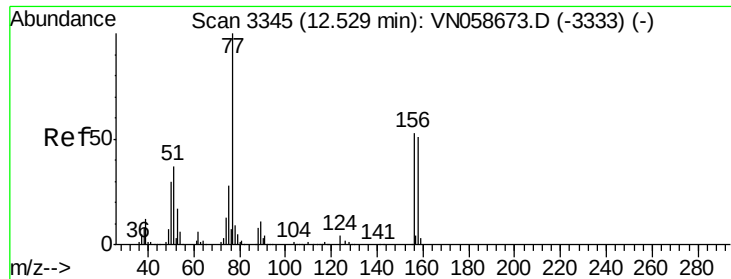
Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Tgt Ion:	75	Resp:	107405
Ion Ratio	Lower	Upper	
75	100		
77	184.9	0.0	359.4





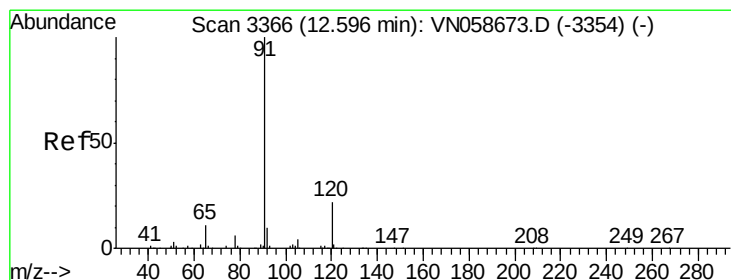
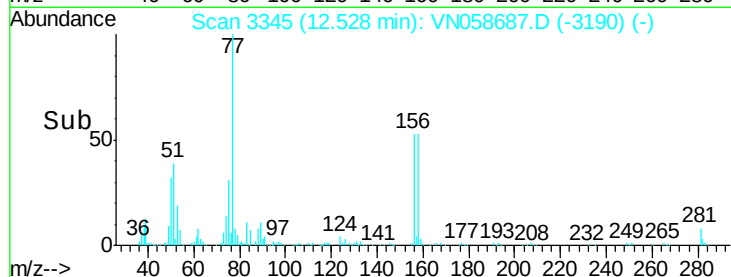
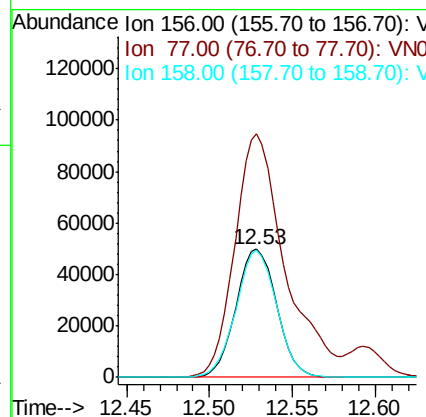
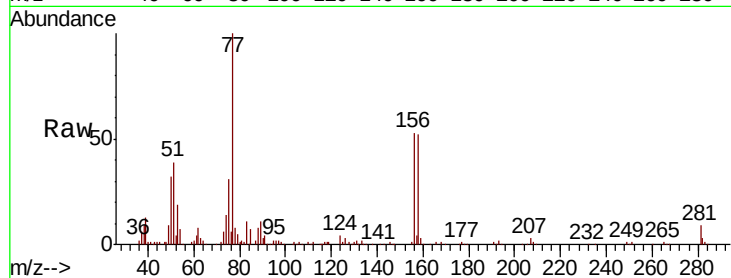
#73
Bromobenzene
Concen: 19.592 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		85211		
77	233.1	0.0	456.0		
158	98.7	0.0	195.4		

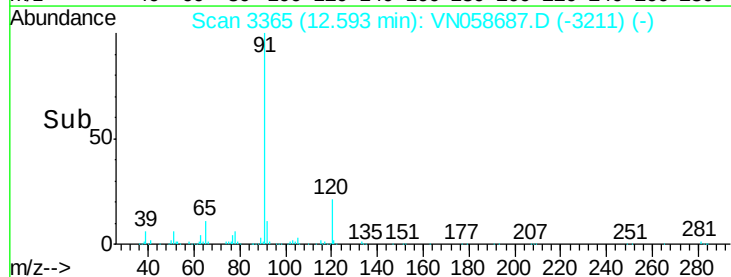
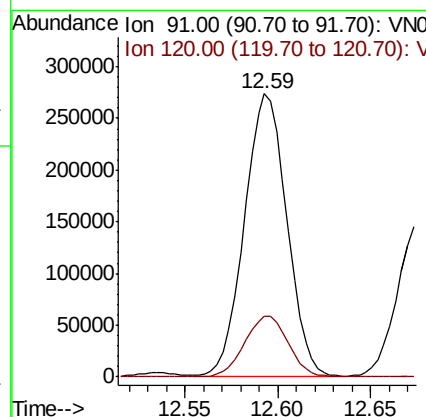
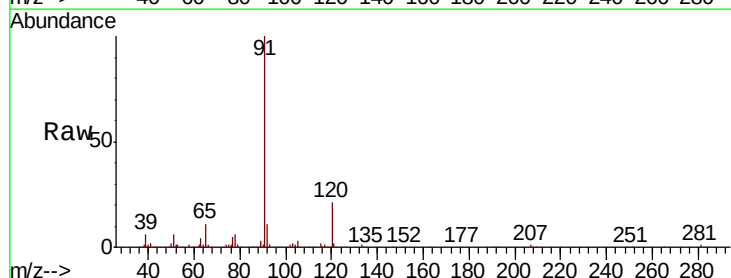
Manual Integrations
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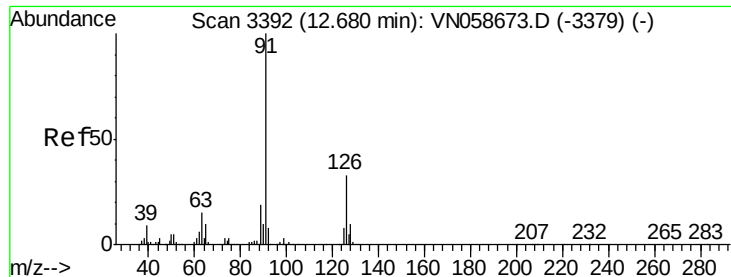
MMDadoda
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#74
n-propylbenzene
Concen: 20.777 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		435475		
120	21.9	0.0	43.6		





#75

2-Chlorotoluene

Concen: 20.169 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 254342

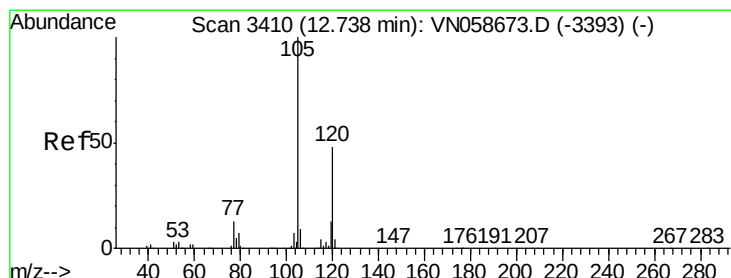
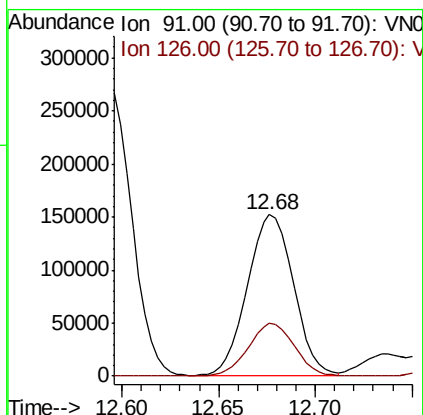
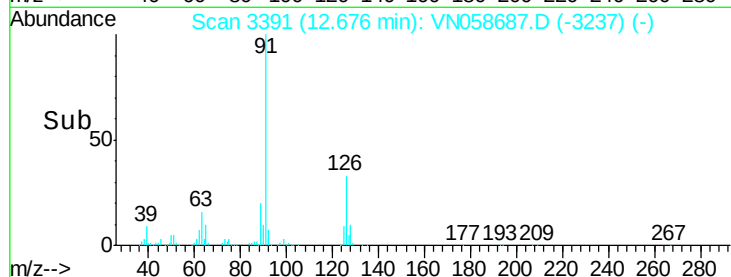
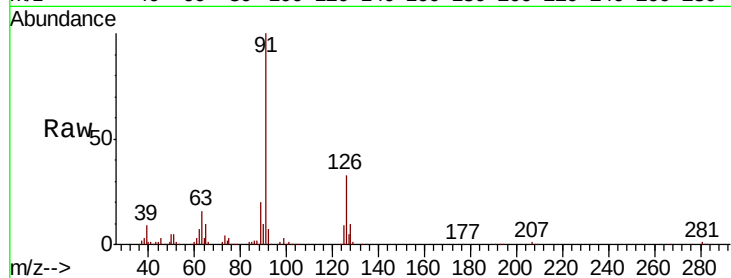
Ion Ratio Lower Upper

91 100

126 32.7 0.0 65.4

Manual Integrations
APPROVED

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10/14/2019 4:59:16 PM



#76

1,3,5-Trimethylbenzene

Concen: 20.156 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058687.D

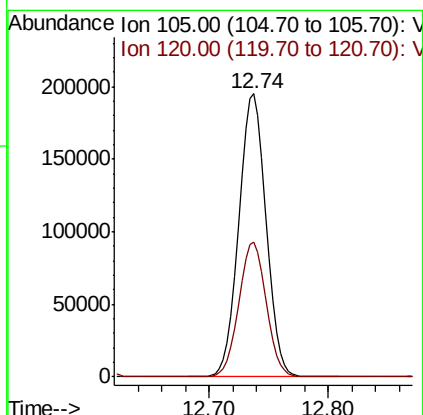
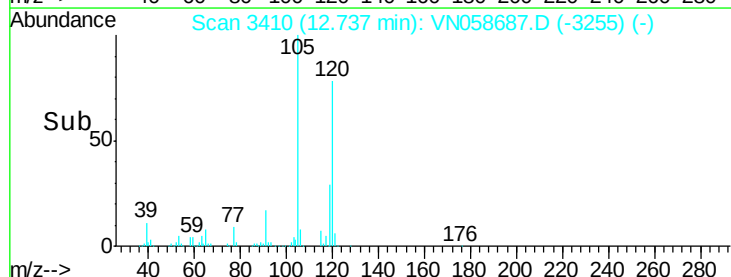
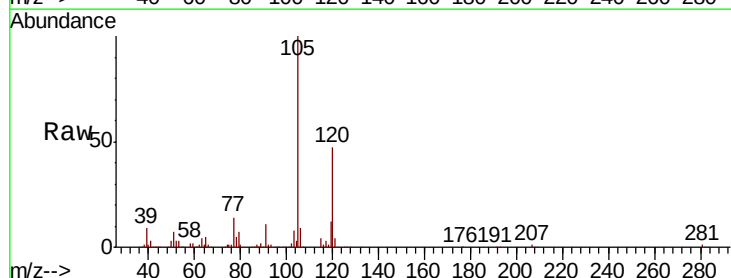
Acq: 11 Oct 2019 8:43

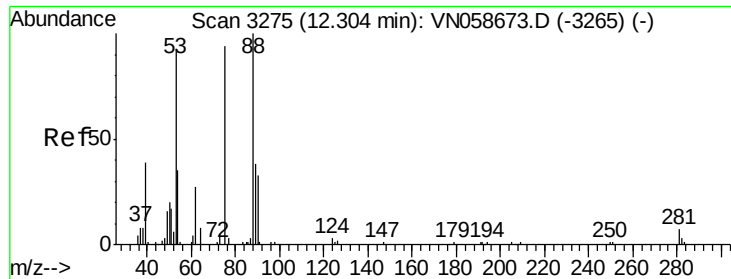
Tgt Ion: 105 Resp: 309121

Ion Ratio Lower Upper

105 100

120 47.8 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.986 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

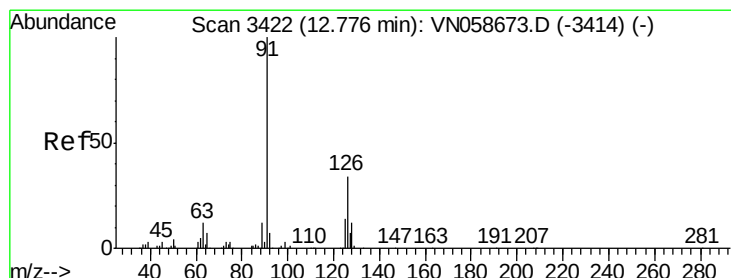
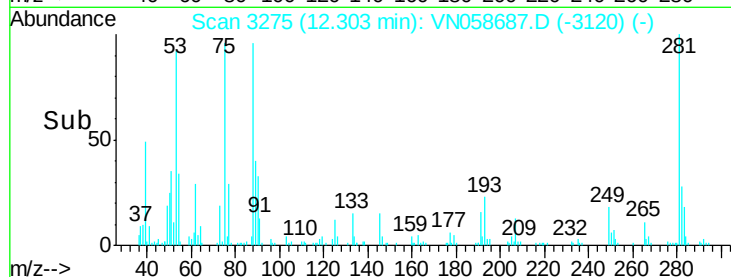
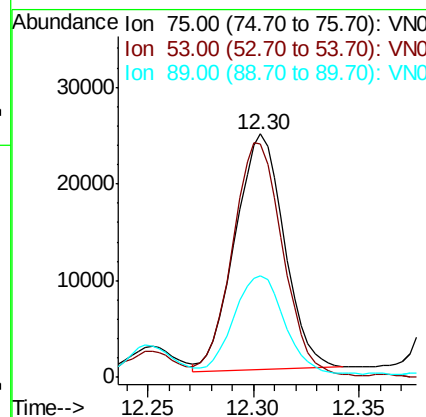
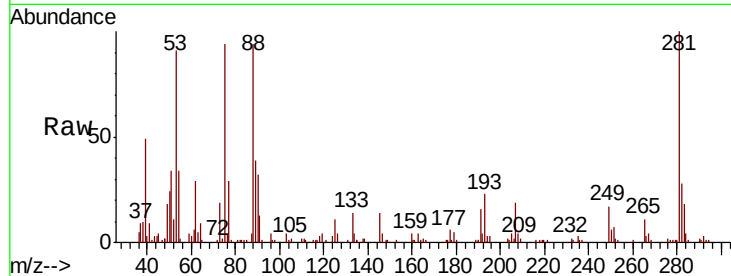
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	39508
Ion Ratio	Lower	Upper	
75	100		
53	98.8	50.0	150.0
89	41.9	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.965 ug/l

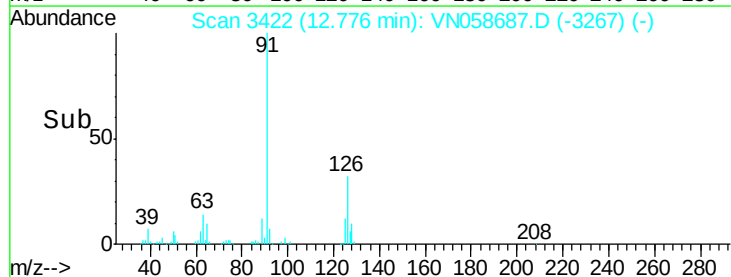
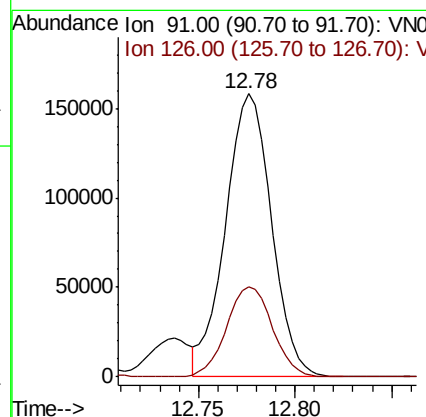
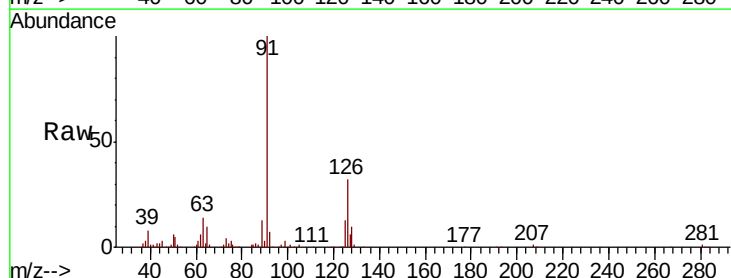
RT: 12.78 min Scan# 3422

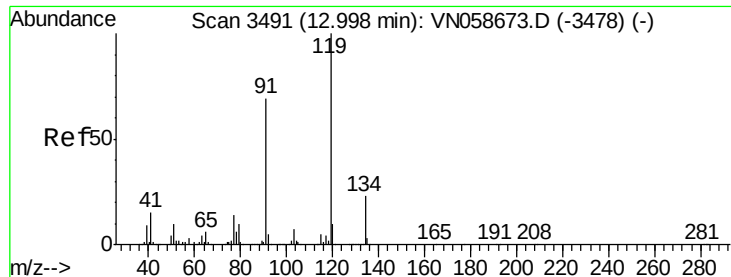
Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Tgt Ion:	91	Resp:	259487
Ion Ratio	Lower	Upper	
91	100		
126	32.0	0.0	63.4





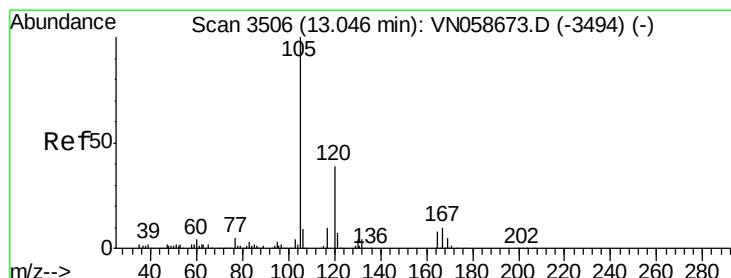
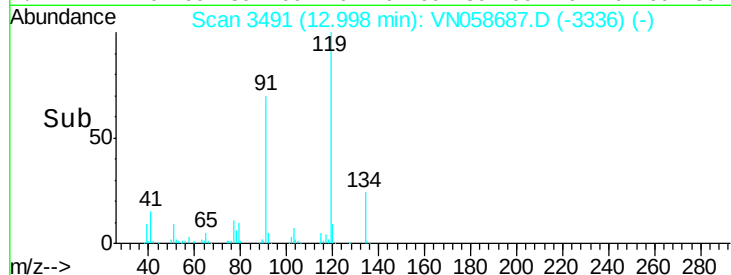
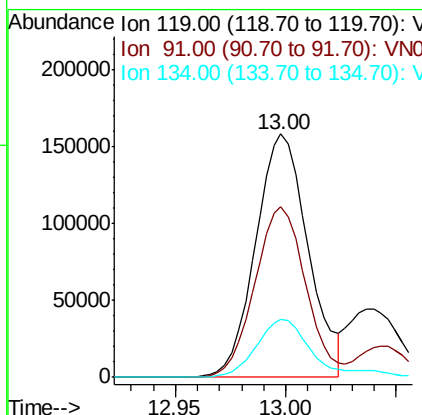
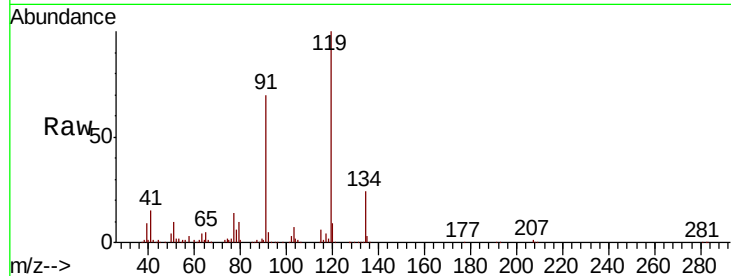
#79
tert-butylbenzene
Concen: 19.895 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	260686		
91	68.3		0.0	136.4
134	23.9		0.0	47.2

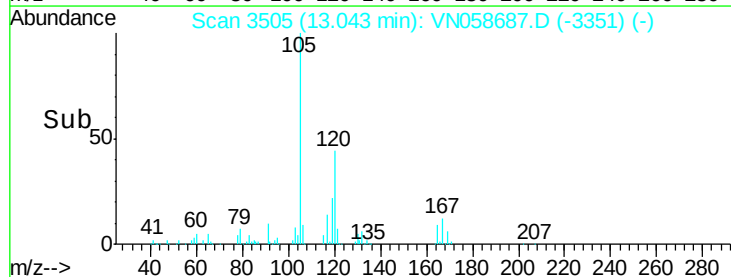
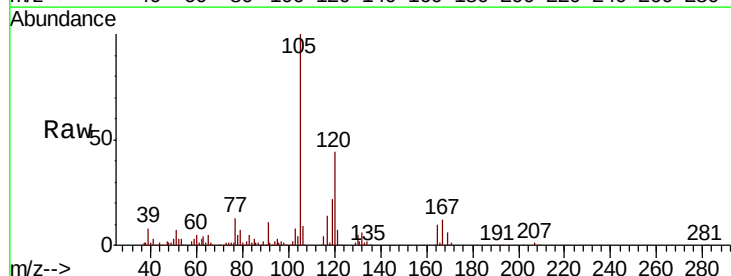
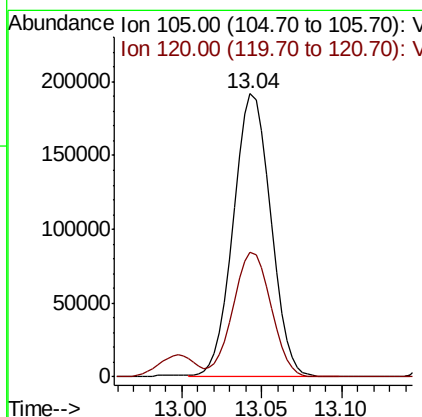
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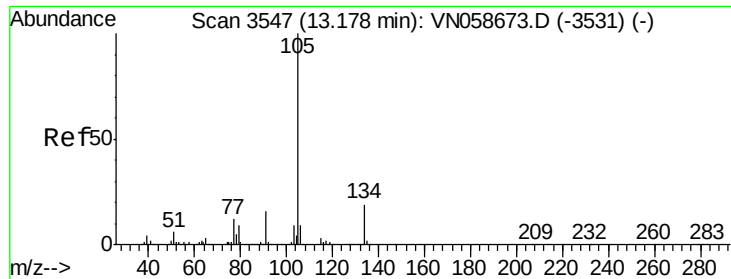
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#80
1,2,4-Trimethylbenzene
Concen: 20.093 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	306207		
120	44.9		0.0	89.2





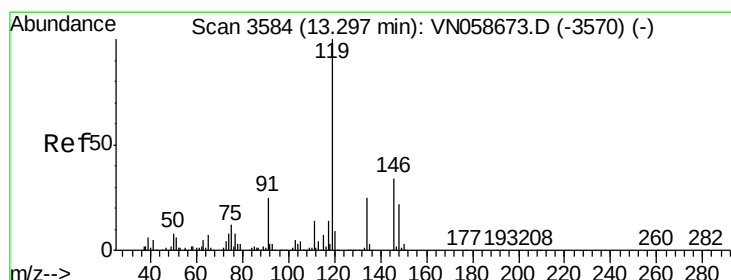
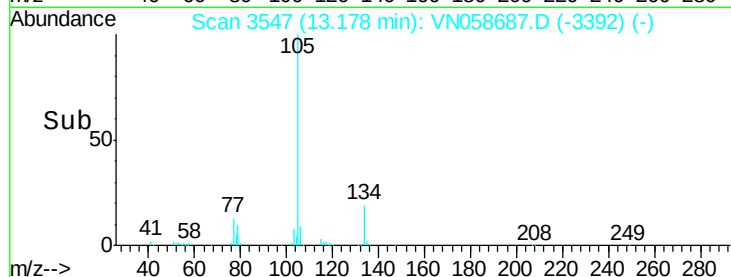
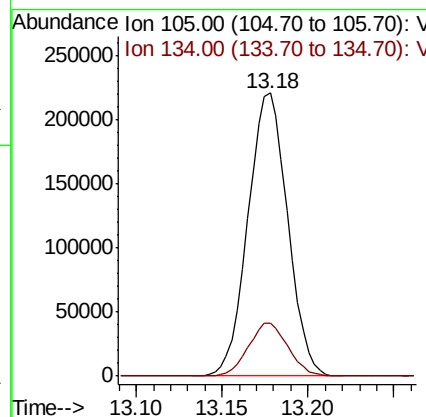
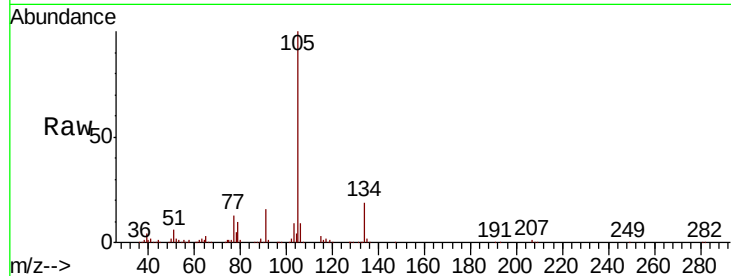
#81
 sec-Butylbenzene
 Concen: 20.067 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	353851		
134	18.7	0.0	38.0	

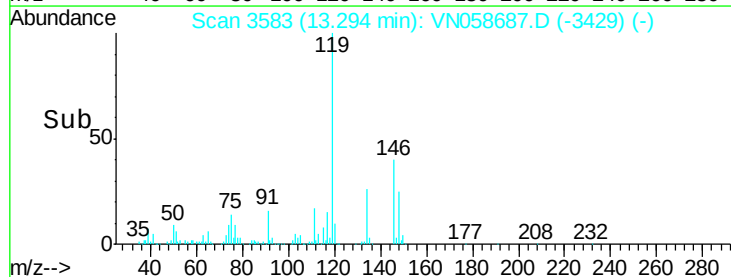
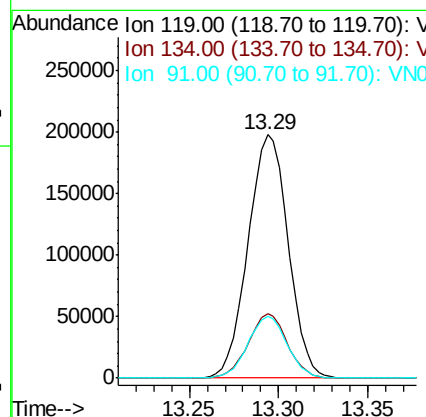
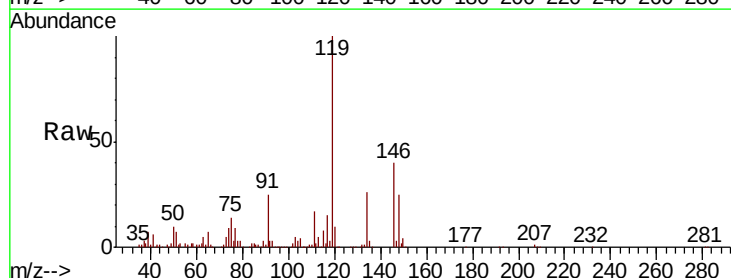
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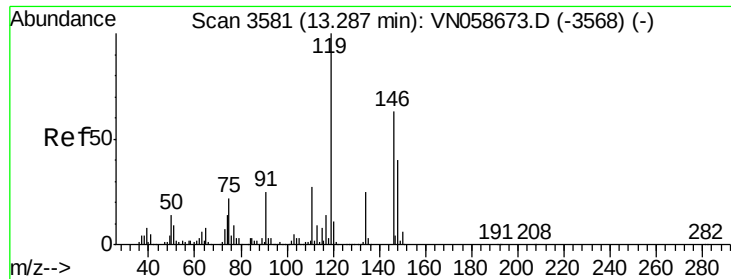
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#82
 p-Isopropyltoluene
 Concen: 19.589 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	310192		
134	25.8	0.0	50.8	
91	25.1	0.0	49.4	





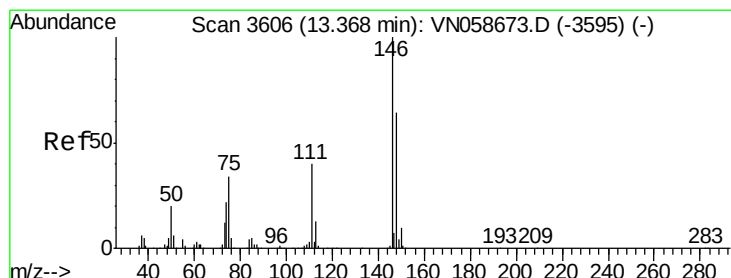
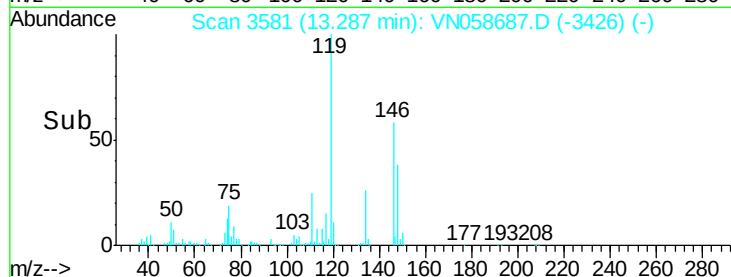
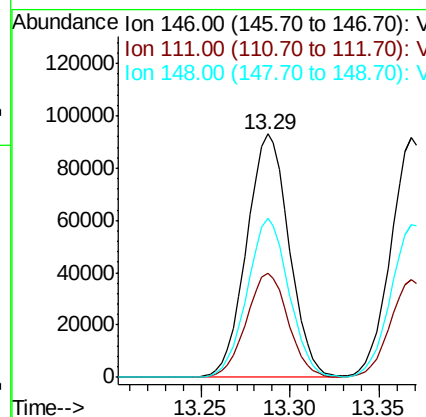
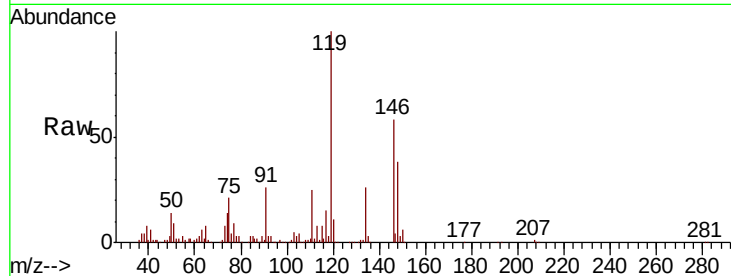
#83
 1,3-Dichlorobenzene
 Concen: 19.673 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.0	21.0	63.0	
148	64.0	31.7	95.1	

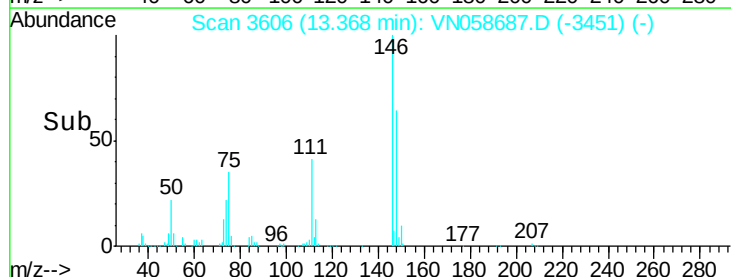
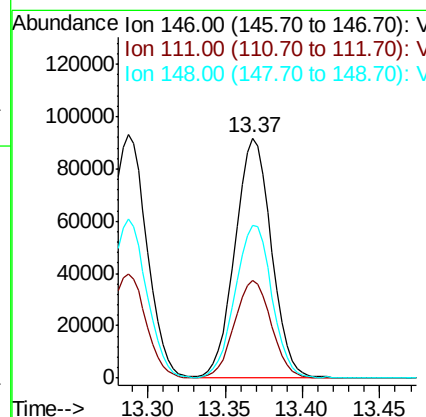
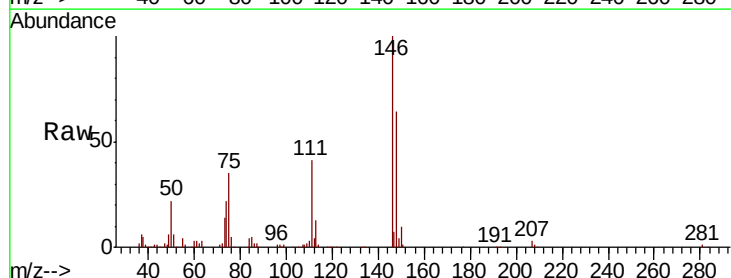
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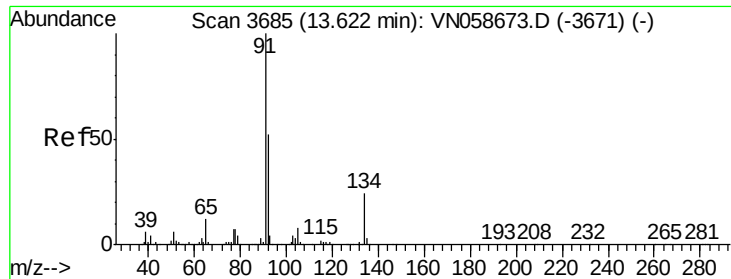
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#84
 1,4-Dichlorobenzene
 Concen: 18.964 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.4	19.8	59.4	
148	64.9	31.6	94.8	





#85

n-Butylbenzene

Concen: 19.684 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

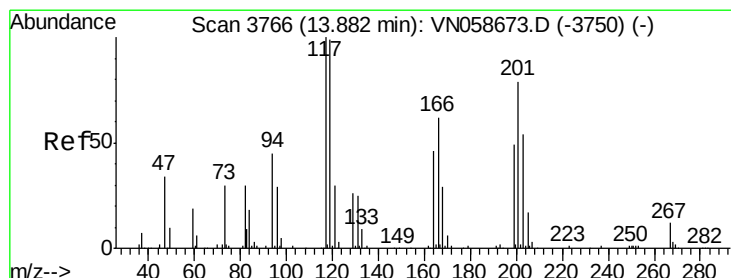
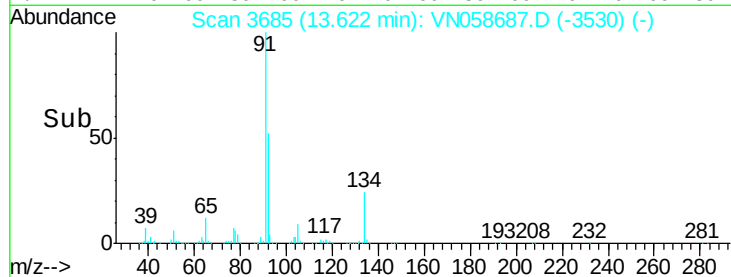
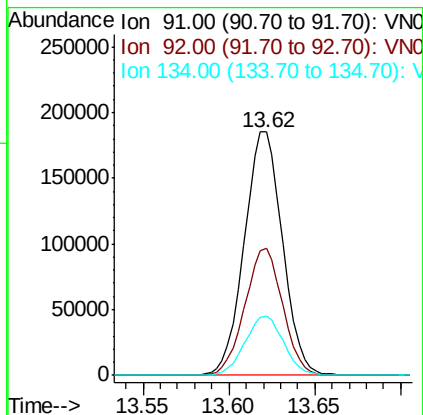
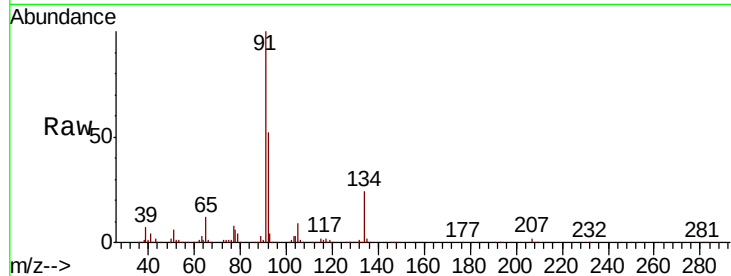
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	285364
Ion Ratio	Lower	Upper	
91	100		
92	51.6	0.0	102.8
134	24.6	0.0	48.6

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#86

Hexachloroethane

Concen: 19.272 ug/l

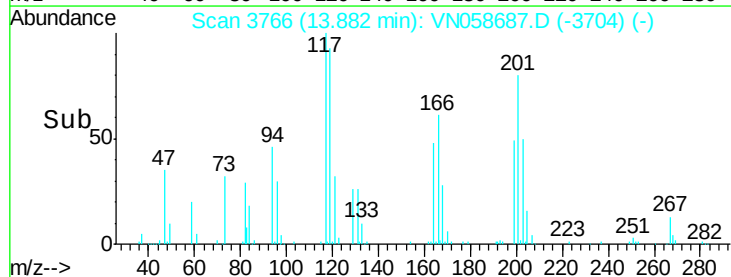
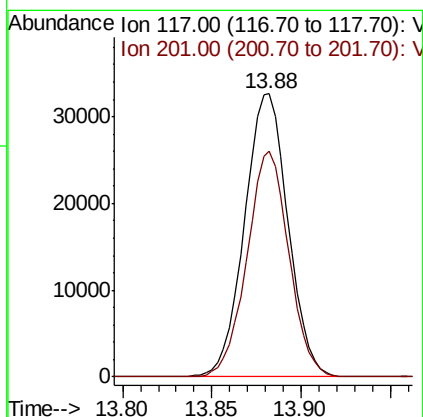
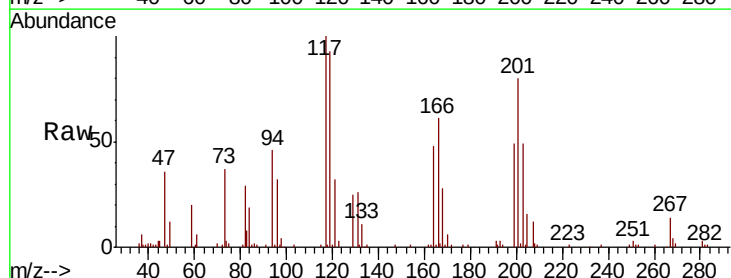
RT: 13.88 min Scan# 3766

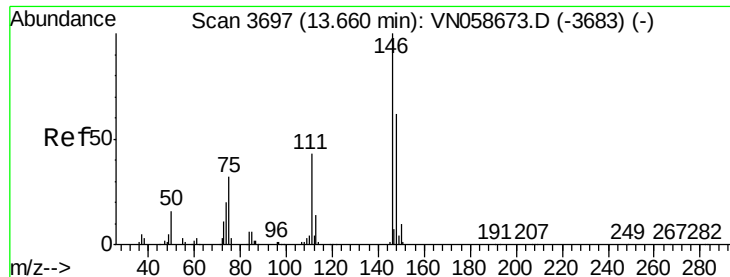
Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Tgt Ion:	117	Resp:	55537
Ion Ratio	Lower	Upper	
117	100		
201	76.7	38.7	116.1





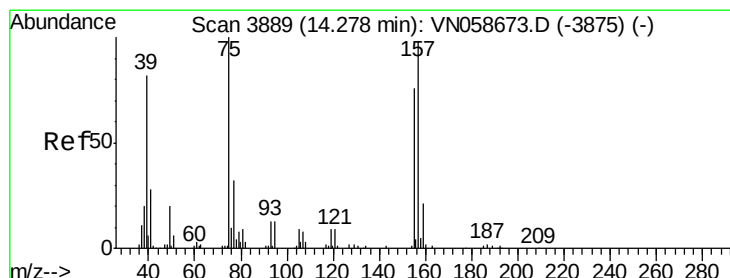
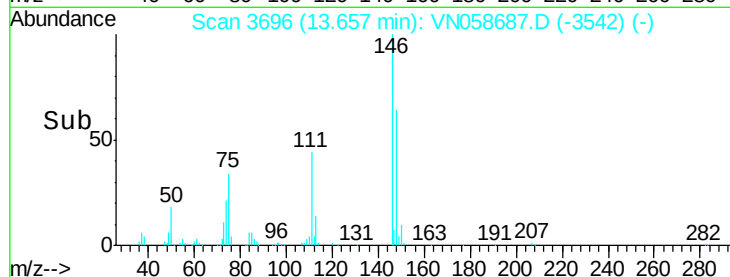
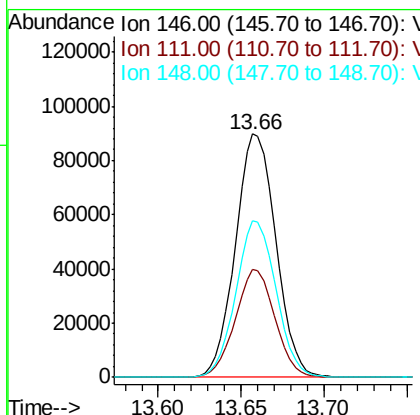
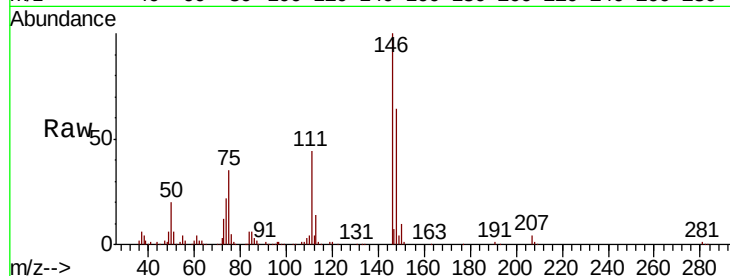
#87
 1,2-Dichlorobenzene
 Concen: 19.684 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.4
148	63.6	32.1	96.5

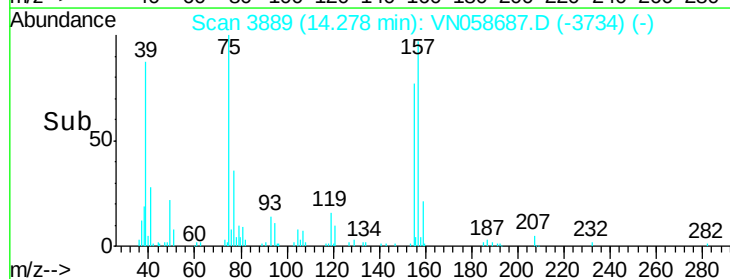
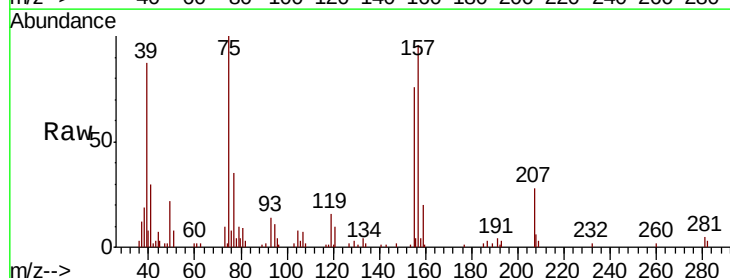
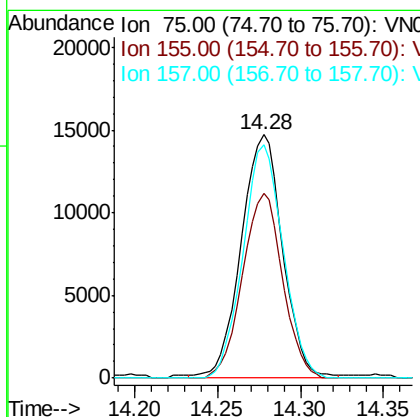
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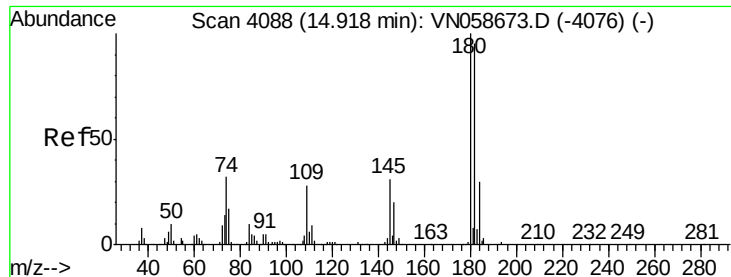
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.120 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	58.3	87.5
157	92.6	75.0	112.6





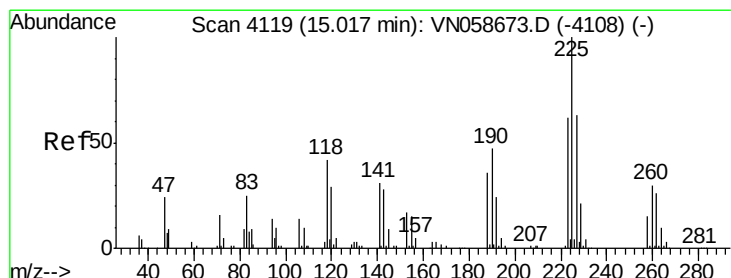
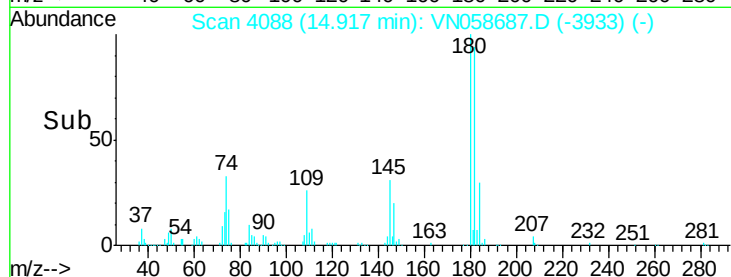
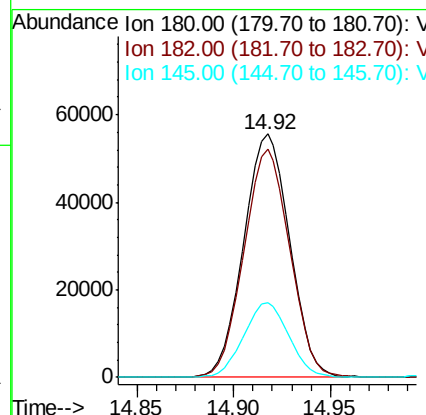
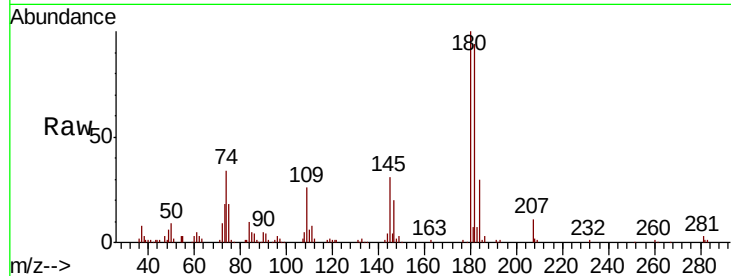
#89
 1,2,4-Trichlorobenzene
 Concen: 18.771 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.3	112.9
145	30.3	24.8	37.2

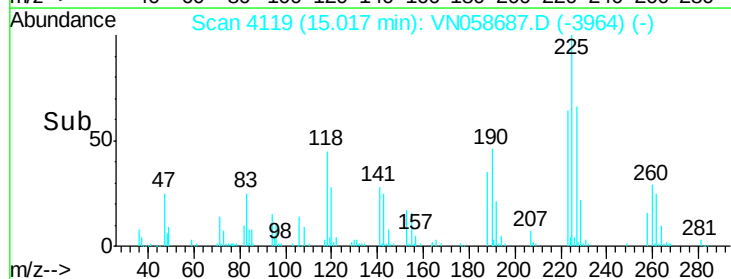
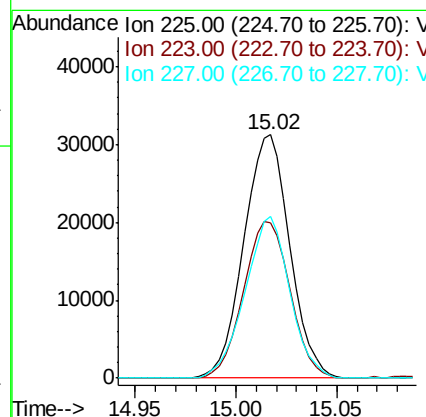
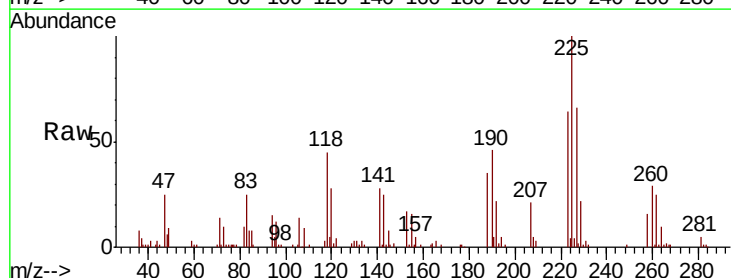
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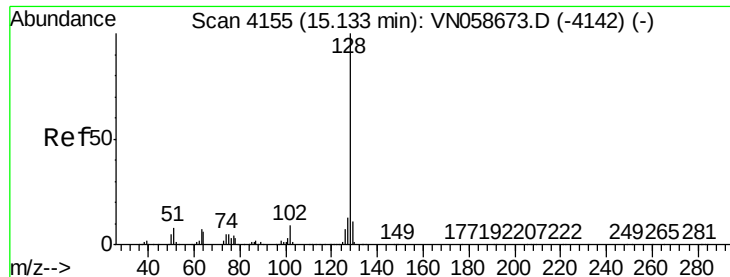
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#90
 Hexachlorobutadiene
 Concen: 19.715 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	0.0	126.2
227	64.5	0.0	127.0





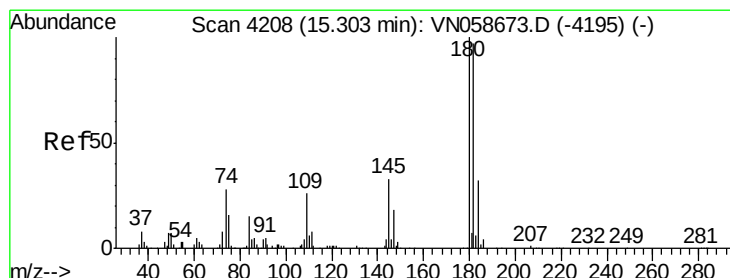
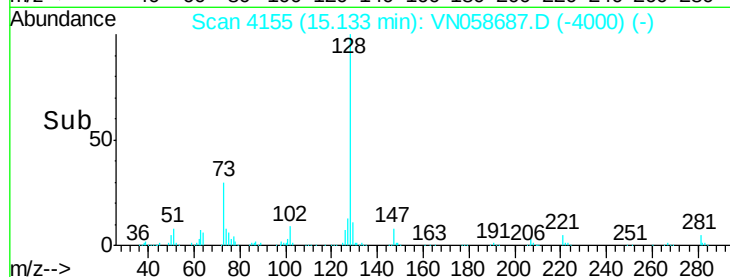
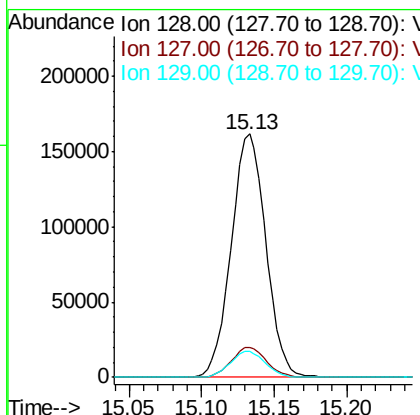
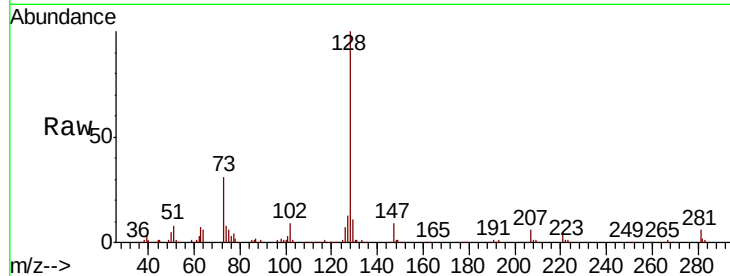
#91
Naphthalene
Concen: 18.466 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 18.490 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	193.4
145	32.6	0.0	65.8

