

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058947.D
 Acq On : 24 Oct 2019 9:49
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:36:42 PM

Quant Time: Oct 25 01:40:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	72751	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	384541	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	364228	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	190802	30.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.00%
60) 4-Bromofluorobenzene	12.40	95	186497	29.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.57%
63) Toluene-d8	10.08	98	524420	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	78314	19.868	ug/l 99
3) Chloromethane	2.04	50	102800	19.524	ug/l 99
4) Vinyl Chloride	2.17	62	107476	19.750	ug/l 100
5) Bromomethane	2.55	94	63709	18.962	ug/l 100
6) Chloroethane	2.68	64	69786	20.402	ug/l 98
7) Trichlorofluoromethane	3.00	101	138281	20.645	ug/l 100
8) Diethyl Ether	3.39	74	47076	18.428	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76580	19.759	ug/l 97
10) 1,1-Dichloroethene	3.71	96	70016	18.394	ug/l 98
11) Methyl Iodide	3.92	142	74708	14.093	ug/l 99
12) Methyl Acetate	4.30	43	120464	19.780	ug/l 100
13) Acrolein	3.58	56	51900	77.128	ug/l 95
14) Acrylonitrile	4.96	53	236365	98.500	ug/l 99
15) Acetone	3.79	58	98116	137.744	ug/l 98
16) Carbon Disulfide	4.03	76	212134	19.107	ug/l 98
17) Allyl chloride	4.30	41	143933	18.998	ug/l 97
18) Methylene Chloride	4.52	84	86468	18.759	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	77117	18.610	ug/l 99
20) Diisopropyl ether	5.92	45	299270	19.388	ug/l 97
21) 1,1-Dichloroethane	5.82	63	164907	19.293	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	92062	18.633	ug/l 100
23) tert-Butyl Alcohol	4.76	59	93555	95.316	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	259478	18.272	ug/l # 79
25) Chloroform	7.35	83	162037	19.007	ug/l 95
26) Cyclohexane	7.63	56	133051	17.734	ug/l # 97
29) 1,1-Dichloropropene	7.77	75	116743	19.286	ug/l 99
30) 2-Butanone	6.81	43	391672	114.501	ug/l 100
31) 2,2-Dichloropropane	6.80	77	142755	20.009	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	139676	19.951	ug/l 99
33) Carbon Tetrachloride	7.75	117	120790	19.932	ug/l 99
34) Benzene	8.02	78	354978	19.919	ug/l 97
35) Methacrylonitrile	7.16	41	61456m	20.338	ug/l
36) 1,2-Dichloroethane	8.10	62	136465	20.028	ug/l 99
37) Trichloroethene	8.82	130	83427	19.056	ug/l 96
38) Methylcyclohexane	9.07	83	125239	17.845	ug/l 97
39) 1,2-Dichloropropane	9.10	63	97446	20.009	ug/l 98
40) Dibromomethane	9.19	93	61891	20.131	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	127299	20.268	ug/l	99
42) Vinyl Acetate	5.87	43	1242972	103.754	ug/l	99
43) Ethyl Acetate	6.91	43	137215	20.437	ug/l #	93
44) Isopropyl Acetate	8.15	43	213098	19.595	ug/l #	87
45) 1,4-Dioxane	9.18	88	34476	412.846	ug/l	96
46) Methyl methacrylate	9.19	41	95474	19.123	ug/l	97
47) n-amyl Acetate	12.07	43	176085	18.265	ug/l	96
48) t-1,3-Dichloropropene	10.37	75	138759	19.049	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	147524	19.286	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	87716	19.986	ug/l	98
51) Ethyl methacrylate	10.42	69	129470	18.448	ug/l	97
52) 1,3-Dichloropropane	10.70	76	151879	19.431	ug/l	98
53) Dibromochloromethane	10.90	129	92705	19.682	ug/l	100
54) 1,2-Dibromoethane	11.00	107	89125	19.591	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	328043	93.969	ug/l	100
56) Bromoform	12.13	173	66347	20.221	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	690348	103.898	ug/l	98
59) 2-Hexanone	10.75	43	550745	105.728	ug/l	99
61) Tetrachloroethene	10.63	164	74732	18.987	ug/l	99
62) Toluene	10.15	91	372472	19.011	ug/l	100
64) Chlorobenzene	11.43	112	222209	18.551	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	83948	18.691	ug/l	99
66) Ethyl Benzene	11.51	91	393466	18.137	ug/l	99
67) m/p-Xylenes	11.62	106	293605	36.225	ug/l	97
68) o-Xylene	11.95	106	139049	17.697	ug/l	98
69) Styrene	11.96	104	228350	17.592	ug/l	99
70) Isopropylbenzene	12.25	105	386954	18.241	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	137363	19.234	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	126879m	19.607	ug/l	
73) Bromobenzene	12.53	156	94912	18.420	ug/l	98
74) n-propylbenzene	12.59	91	463686	18.674	ug/l	100
75) 2-Chlorotoluene	12.68	91	277340	18.564	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	328198	18.063	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	44993	18.251	ug/l	96
78) 4-Chlorotoluene	12.78	91	280937	18.245	ug/l	100
79) tert-butylbenzene	13.00	119	270637	17.435	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	328002	18.167	ug/l	100
81) sec-Butylbenzene	13.17	105	371816	17.798	ug/l	99
82) p-Isopropyltoluene	13.29	119	327938	17.481	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	168819	18.106	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	159939	17.174	ug/l	98
85) n-Butylbenzene	13.62	91	288157	16.778	ug/l	98
86) Hexachloroethane	13.88	117	63544	18.613	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	168048	18.257	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29644	18.649	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	88318	15.196	ug/l	99
90) Hexachlorobutadiene	15.01	225	52820	17.599	ug/l	98
91) Naphthalene	15.13	128	259320	15.112	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	92557	16.360	ug/l	98

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QLast Update : Fri Oct 11 04:26:47 2019
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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

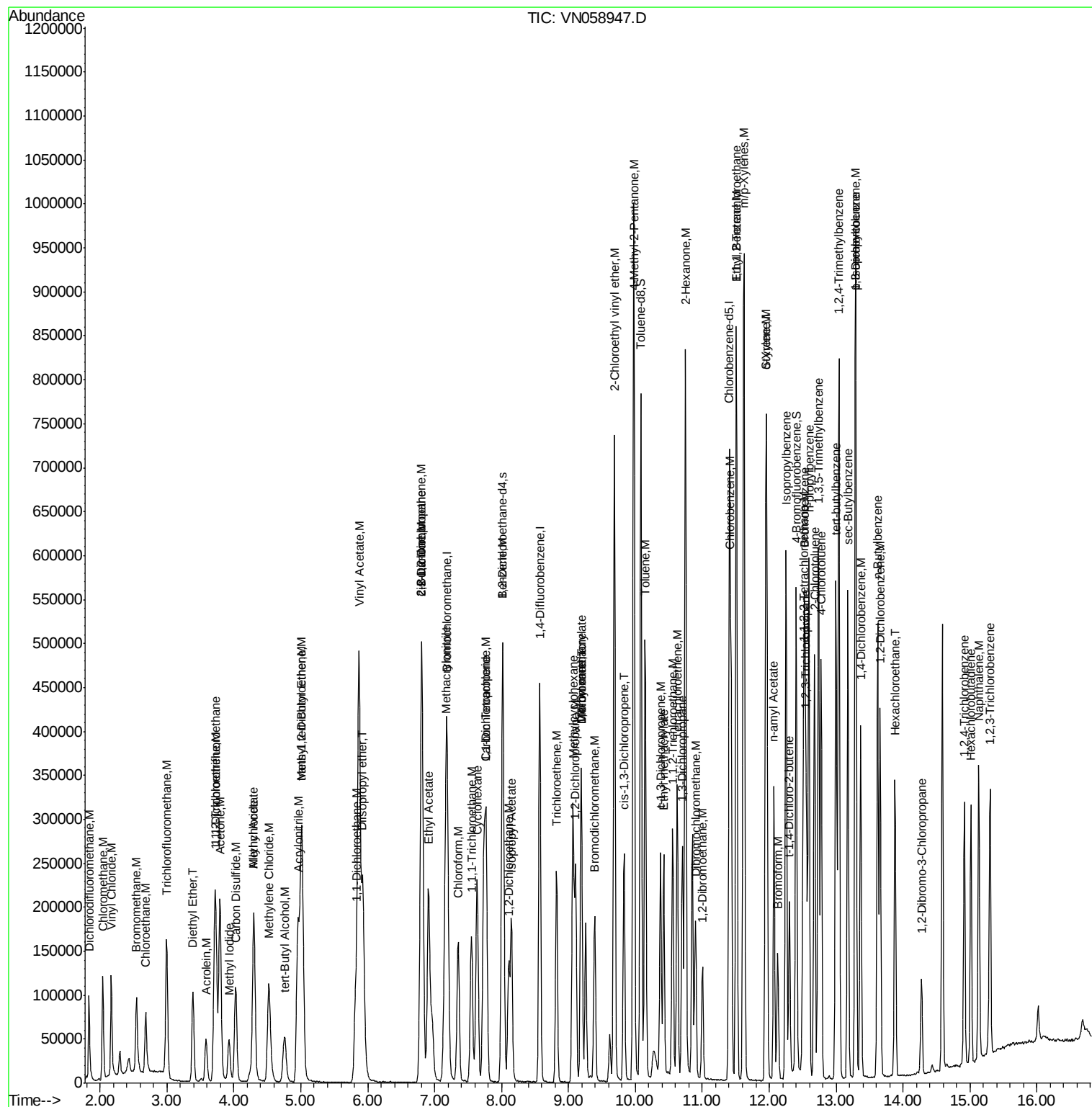
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
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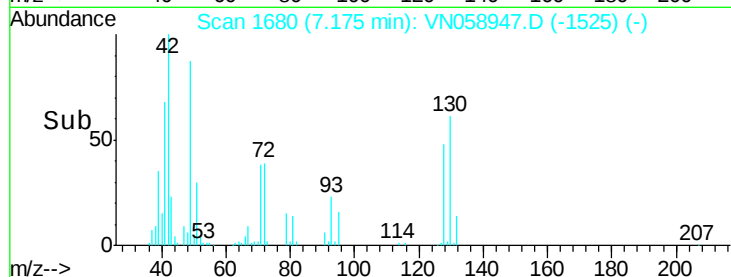
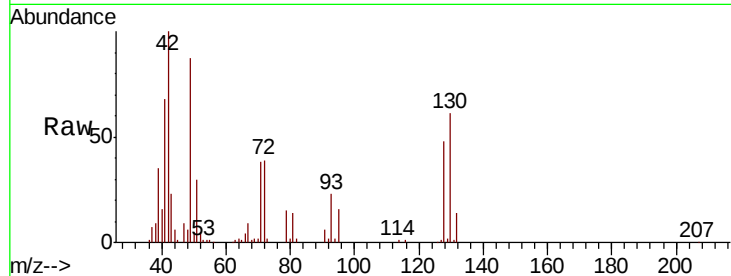
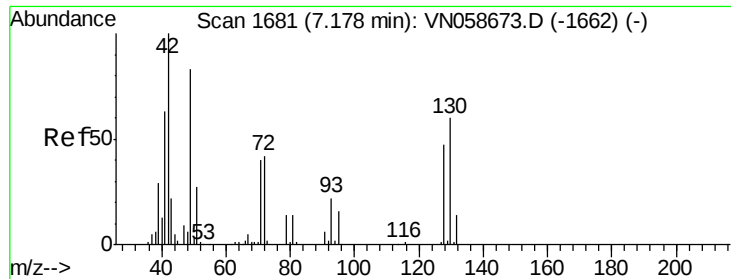
Instrument :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058947.D

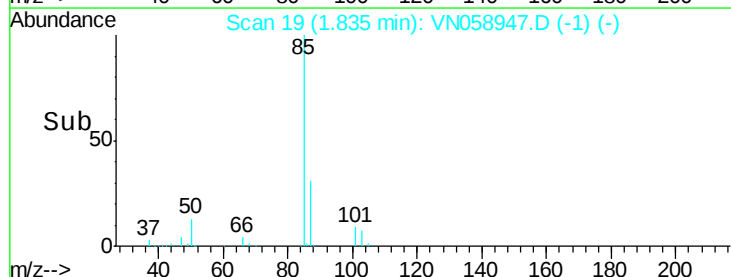
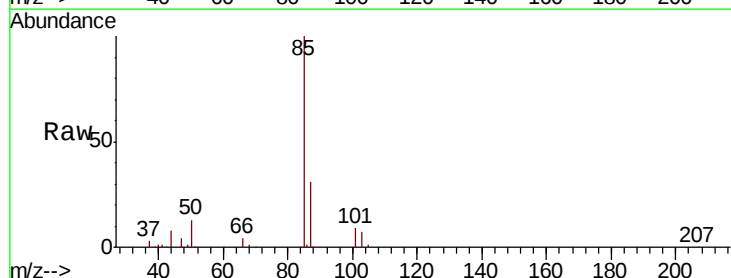
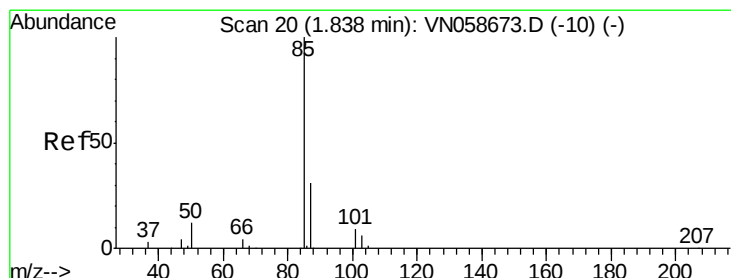
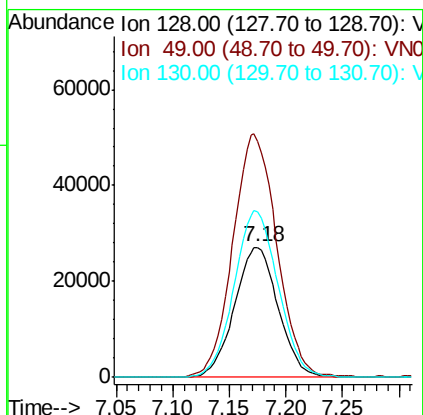
Acq: 24 Oct 2019 9:49

Tot Ion:	128	Resp:	72751
Ion	Ratio	Lower	Upper
128	100		
49	188.5	0.0	453.5
130	129.5	0.0	314.2

Instrument :
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VSTDCCC020

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.868 ug/l

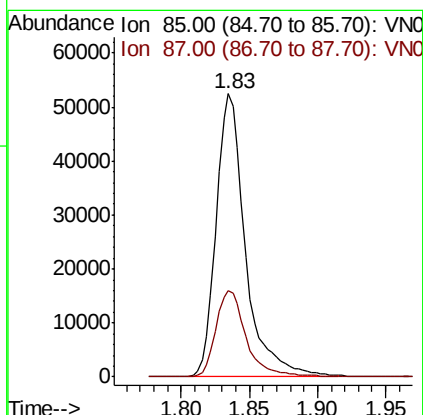
RT: 1.83 min Scan# 19

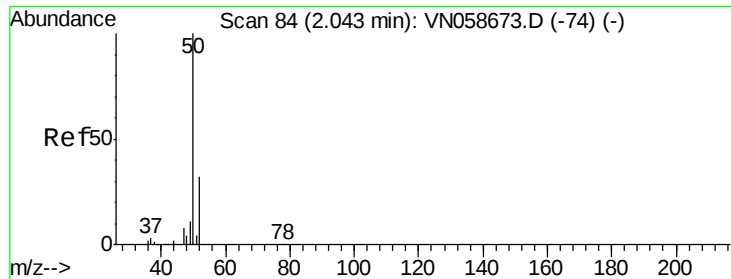
Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Tgt Ion:	85	Resp:	78314
Ion	Ratio	Lower	Upper
85	100		
87	30.6	15.7	47.0





#3

Chloromethane

Concen: 19.524 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 102800

Ion Ratio Lower Upper

50 100

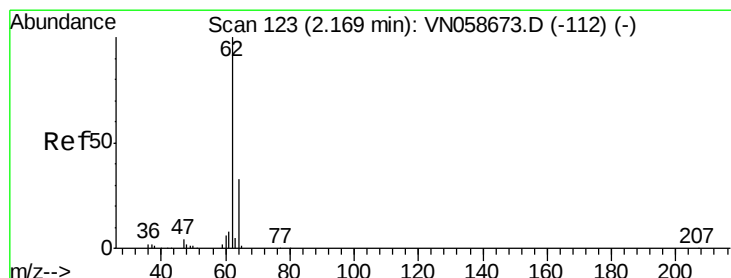
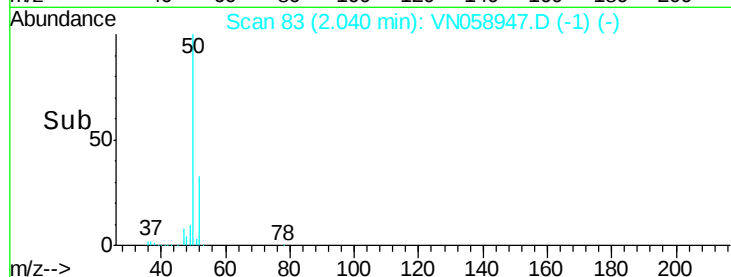
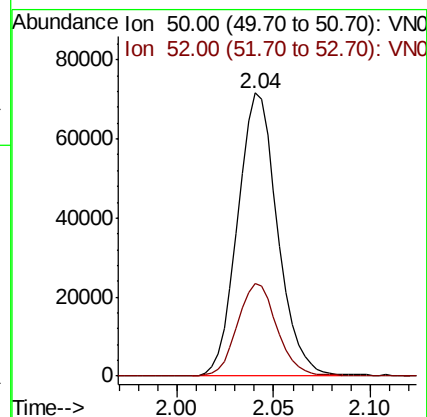
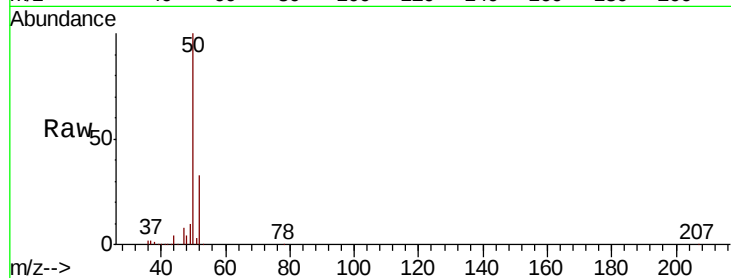
52 32.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.750 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058947.D

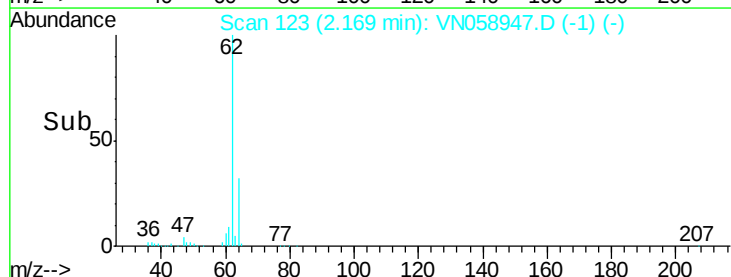
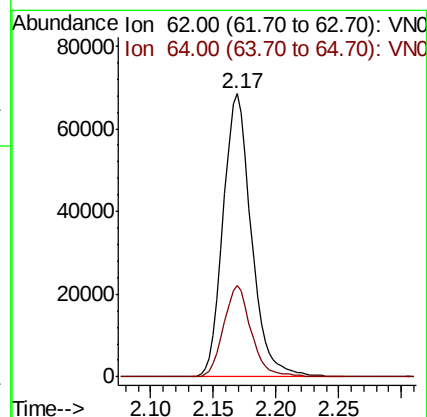
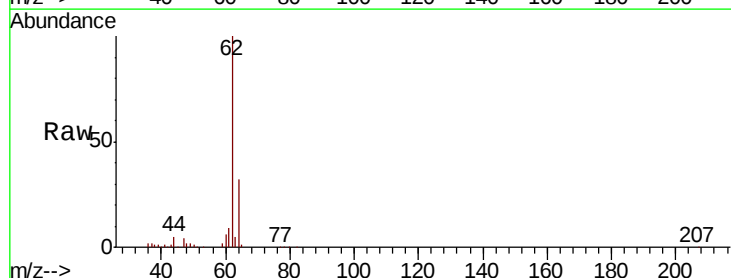
Acq: 24 Oct 2019 9:49

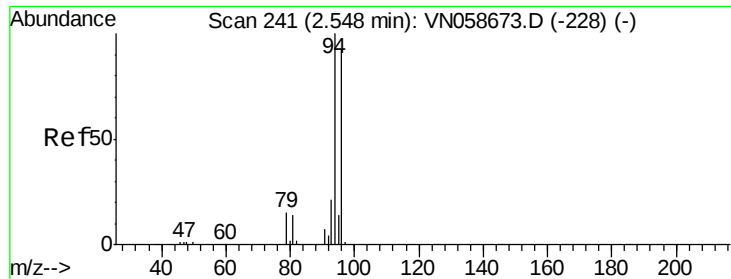
Tgt Ion: 62 Resp: 107476

Ion Ratio Lower Upper

62 100

64 32.4 26.1 39.1





#5

Bromomethane

Concen: 18.962 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 63709

Ion Ratio Lower Upper

94 100

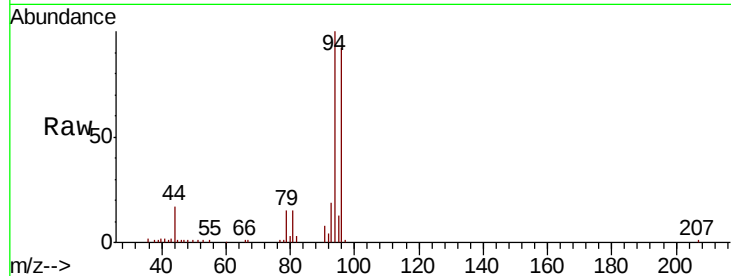
96 91.9 73.7 110.5

Manual Integrations

APPROVED

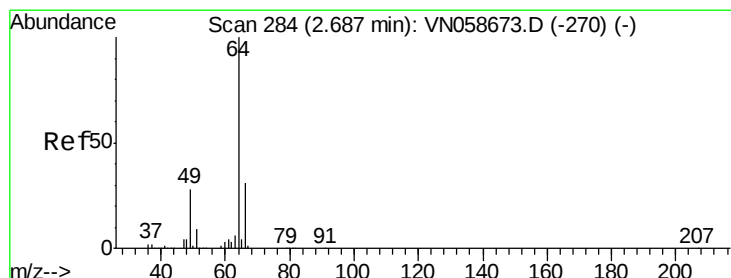
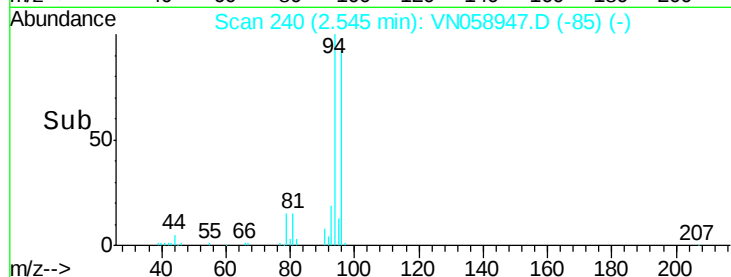
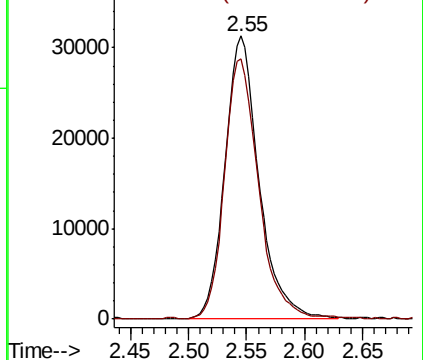
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.402 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058947.D

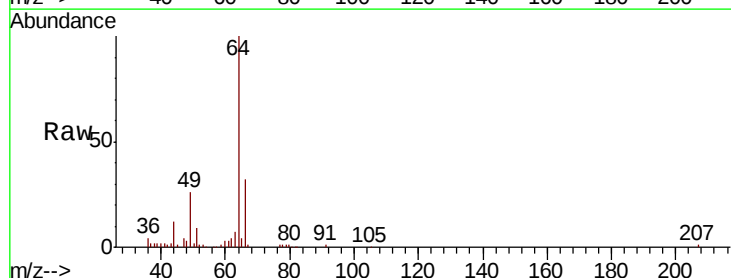
Acq: 24 Oct 2019 9:49

Tgt Ion: 64 Resp: 69786

Ion Ratio Lower Upper

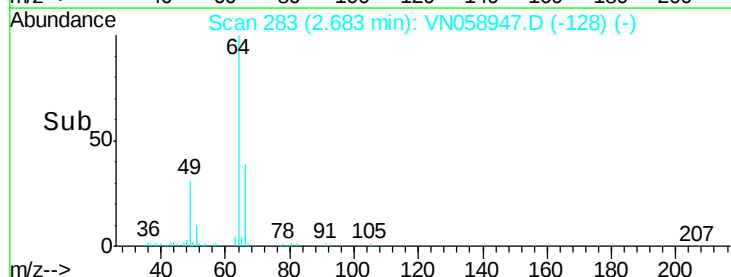
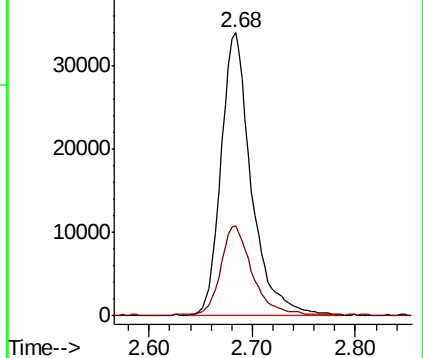
64 100

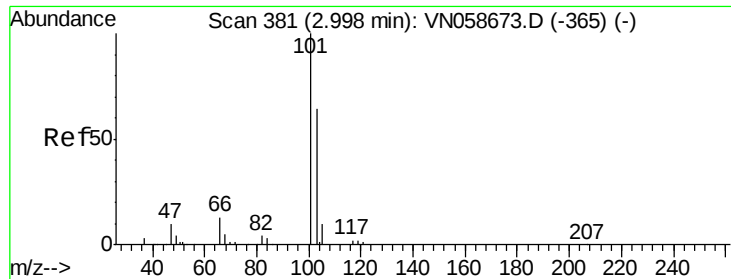
66 31.8 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

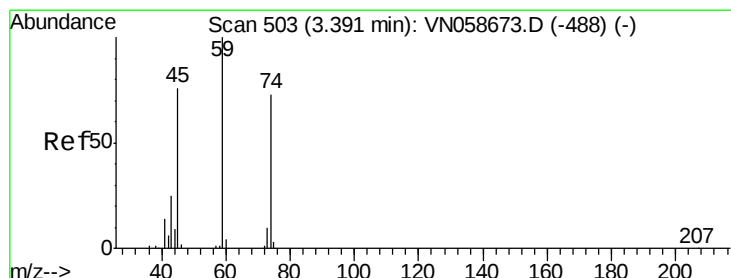
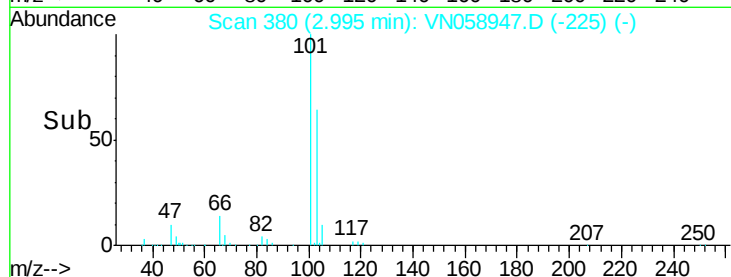
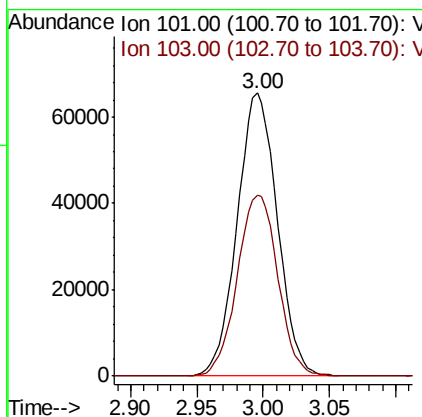
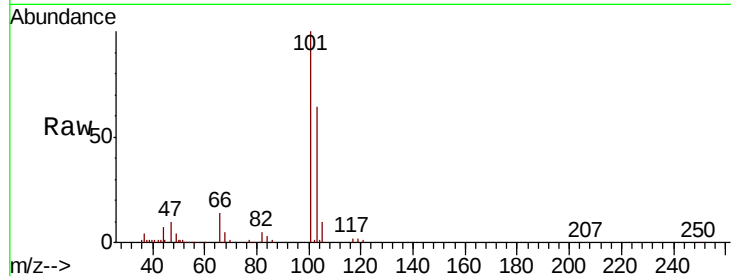
Trichlorofluoromethane
 Concen: 20.645 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.5	77.3

Manual Integrations
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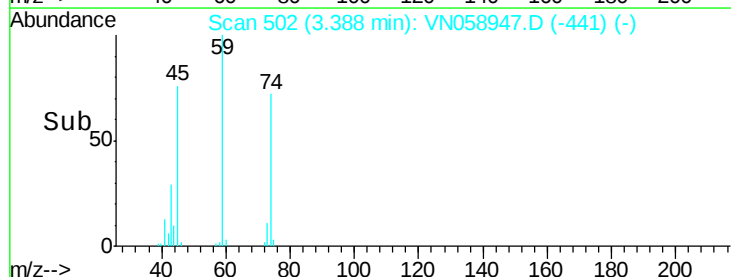
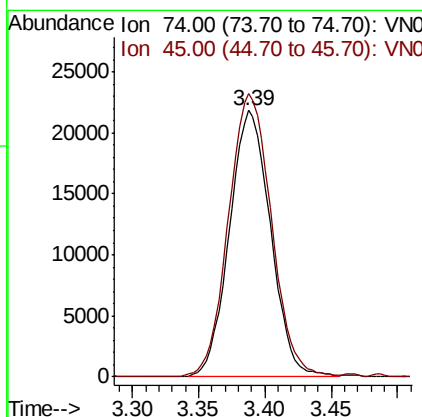
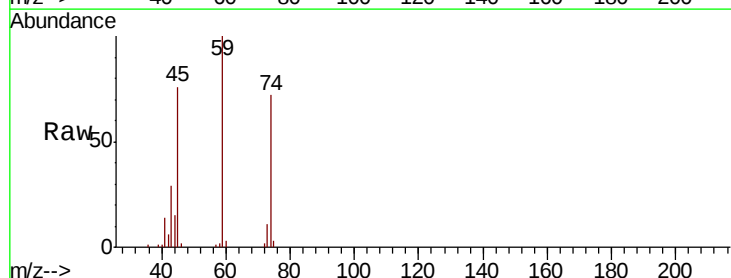
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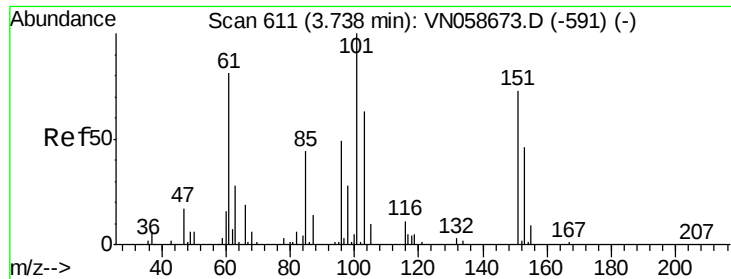


#8

Diethyl Ether
 Concen: 18.428 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.3	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.759 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

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MSVOA_N

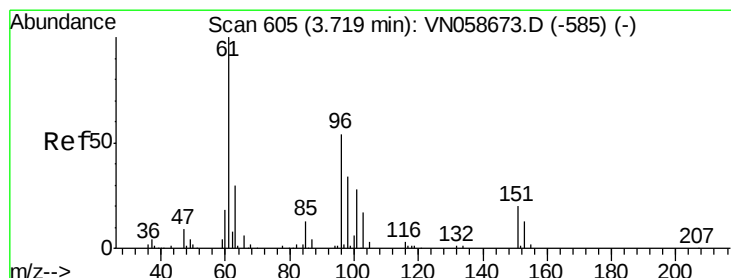
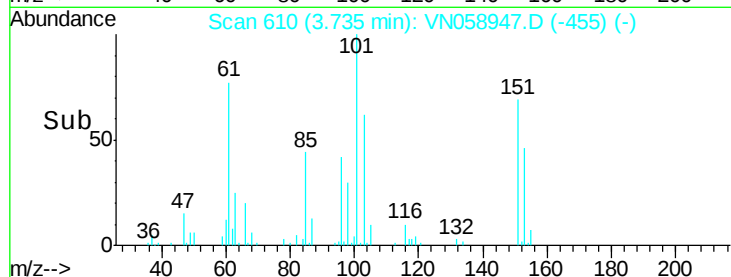
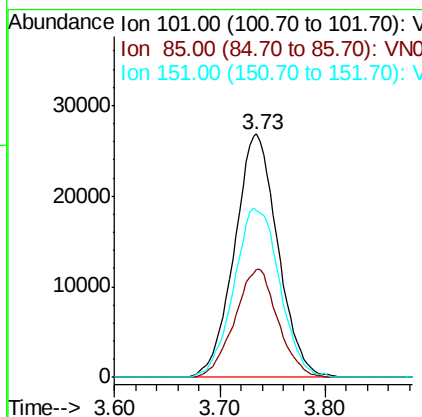
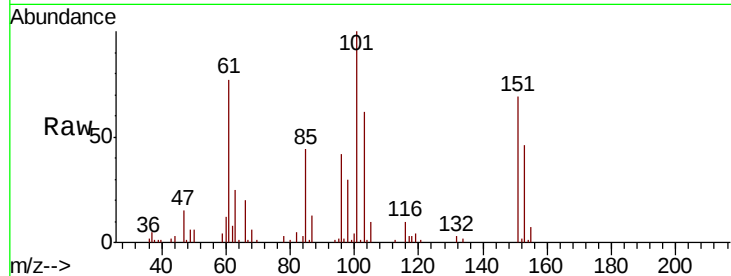
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	76580
Ion Ratio	Lower	Upper	
101	100		
85	44.2	0.0	93.8
151	73.4	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 18.394 ug/l

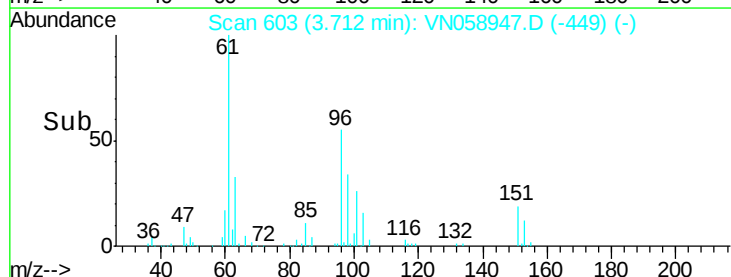
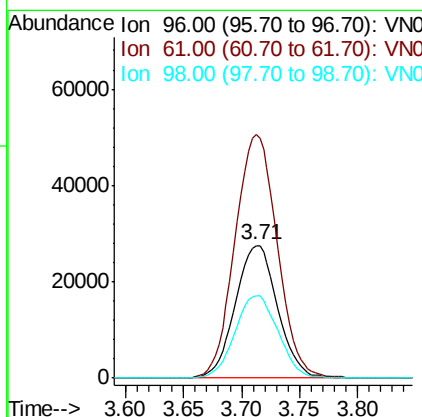
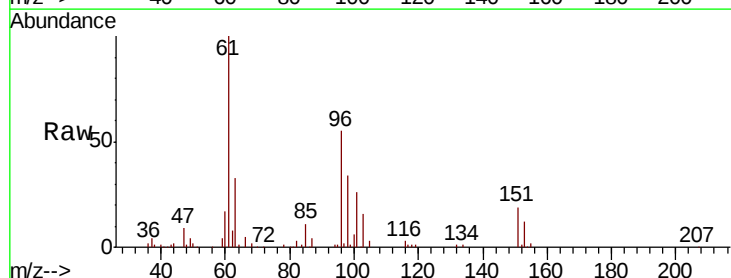
RT: 3.71 min Scan# 603

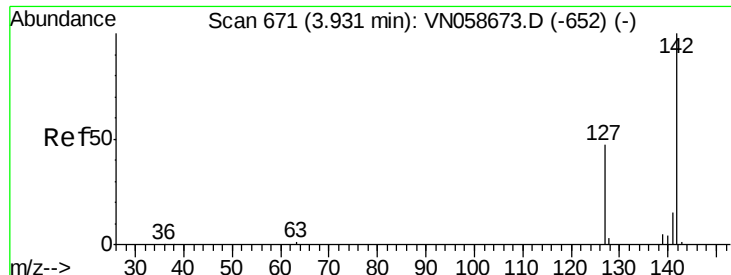
Delta R.T. -0.01 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Tgt Ion:	96	Resp:	70016
Ion Ratio	Lower	Upper	
96	100		
61	183.2	148.5	222.7
98	62.3	51.0	76.6





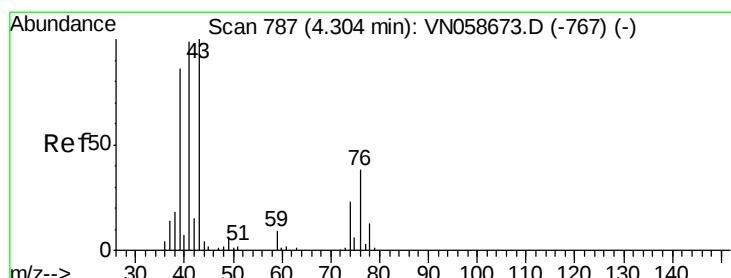
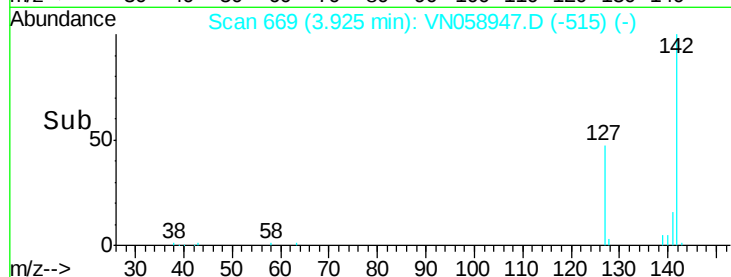
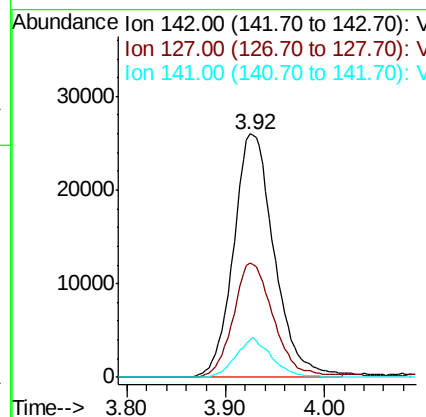
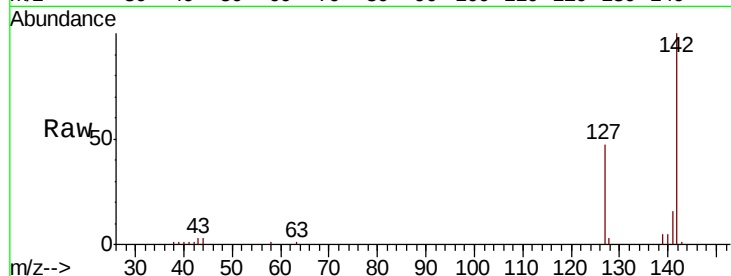
#11
Methvl Iodide
Concen: 14.093 ug/l
RT: 3.92 min Scan# 669
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.0	23.5	70.6
141	15.8	7.4	22.2

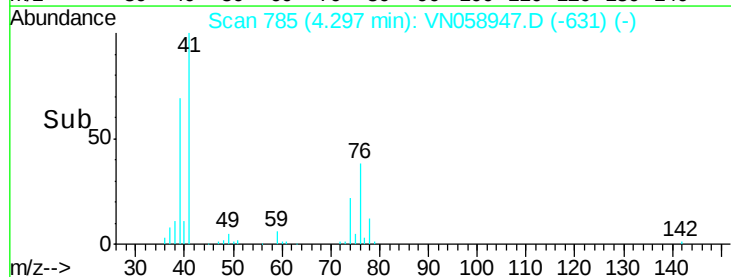
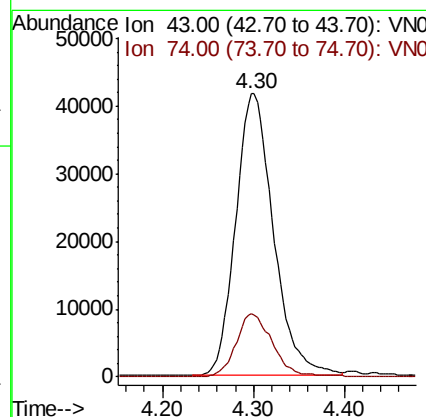
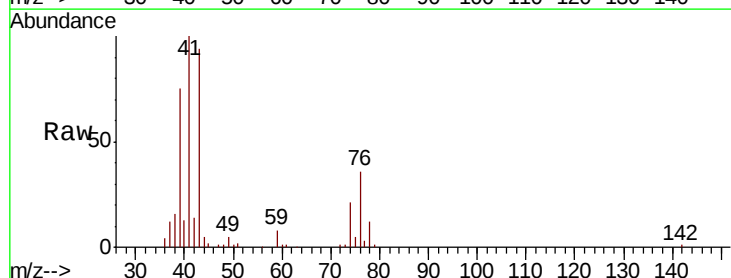
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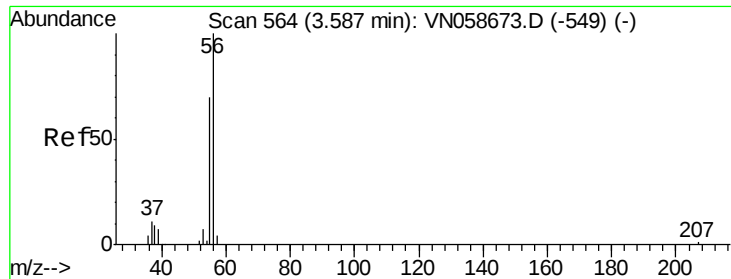
MMDadoda
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#12
Methyl Acetate
Concen: 19.780 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.1	27.1





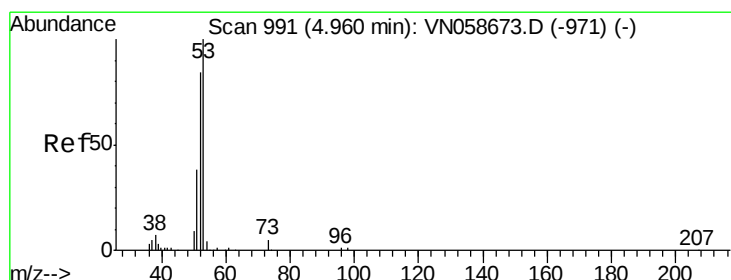
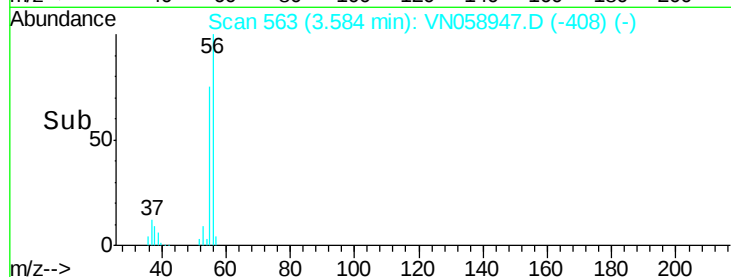
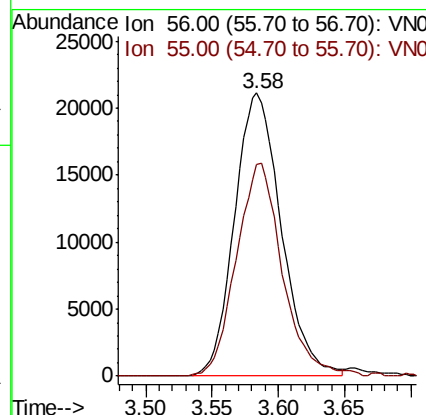
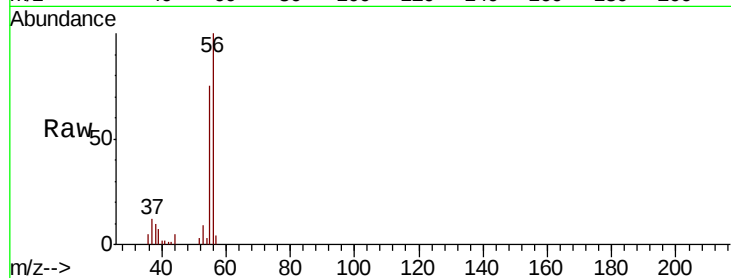
#13
Acrolein
Concen: 77.128 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.9	55.9	83.9

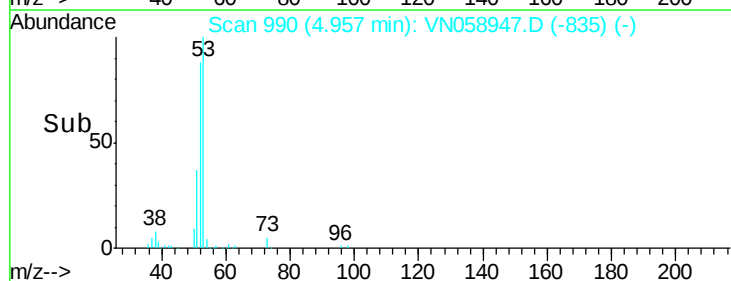
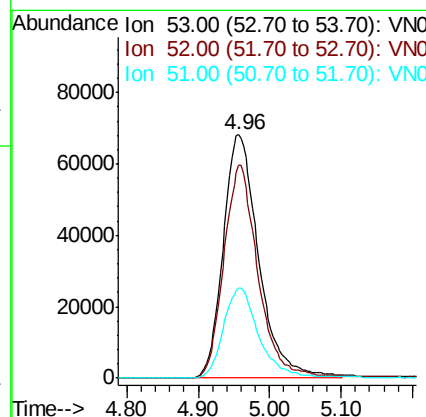
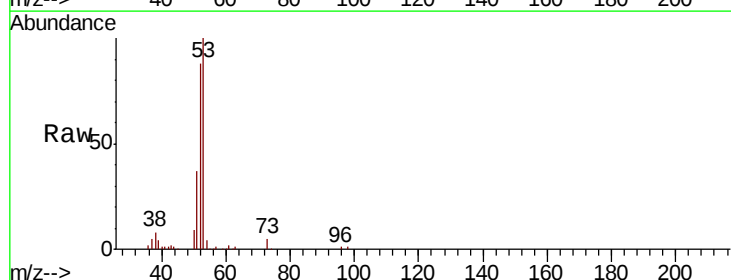
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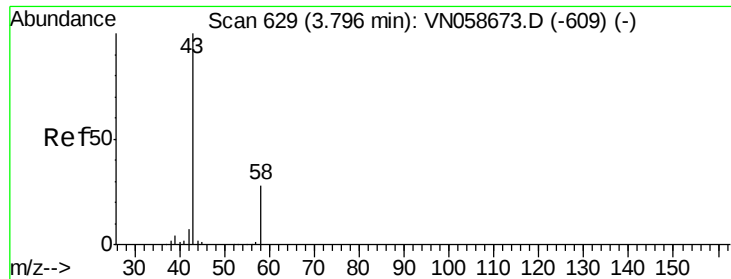
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#14
Acrylonitrile
Concen: 98.500 ug/l
RT: 4.96 min Scan# 990
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	83.5	42.2	126.6
51	51	36.4	18.8	56.4





#15

Acetone

Concen: 137.744 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 98116

Ion Ratio Lower Upper

58 100

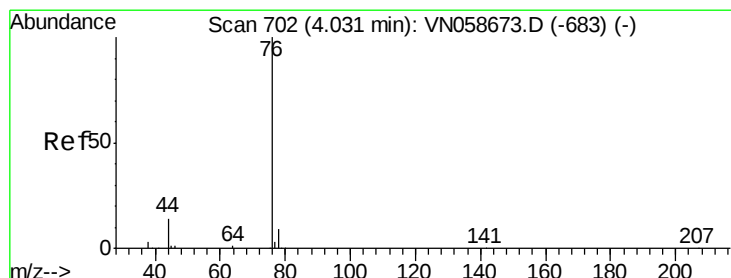
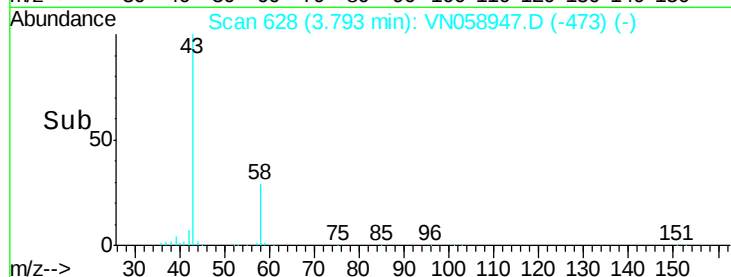
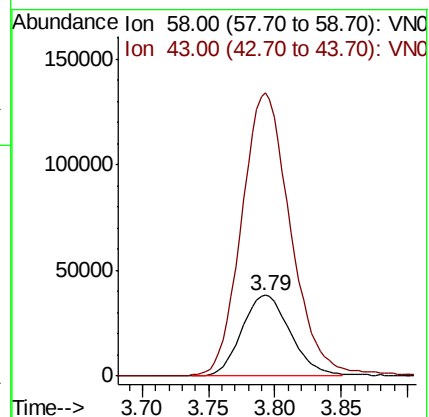
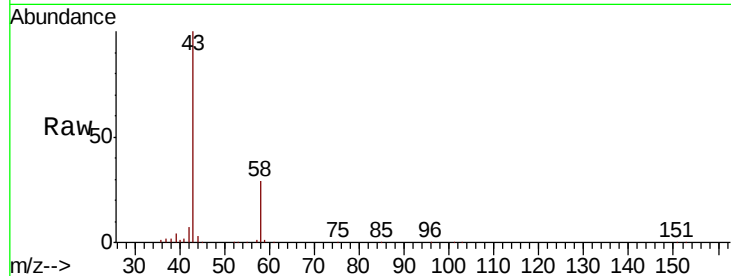
43 347.7 281.7 422.5

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#16

Carbon Disulfide

Concen: 19.107 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058947.D

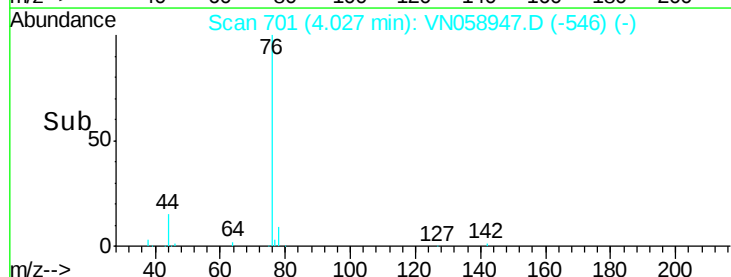
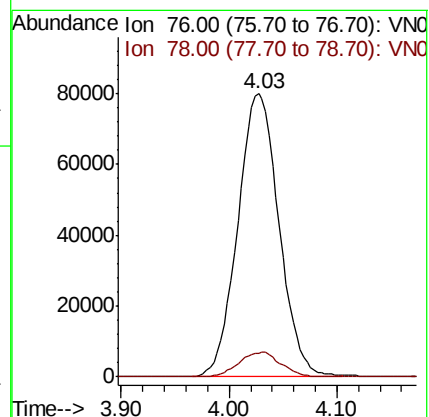
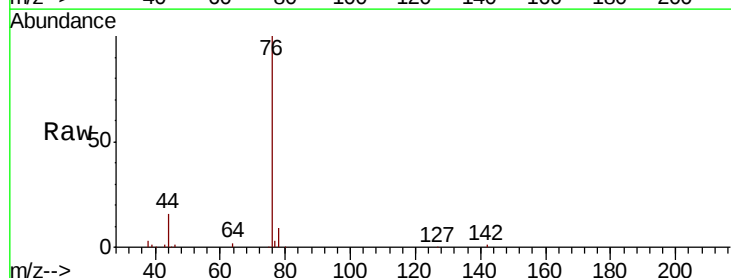
Acq: 24 Oct 2019 9:49

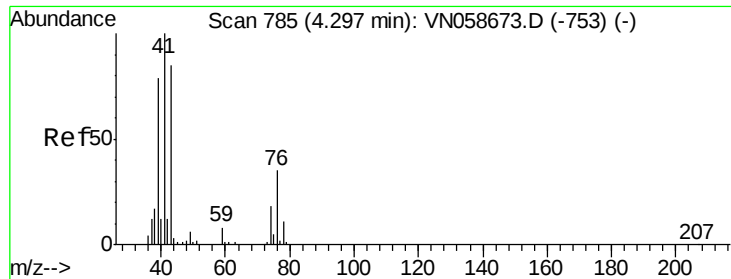
Tgt Ion: 76 Resp: 212134

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0





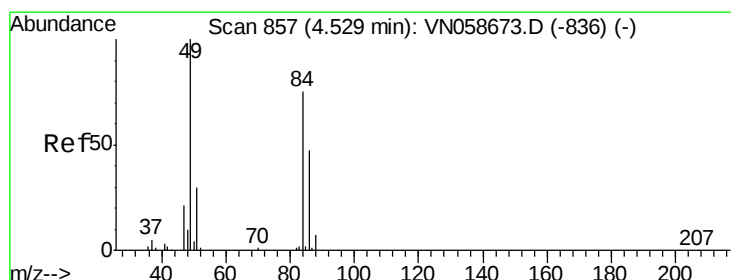
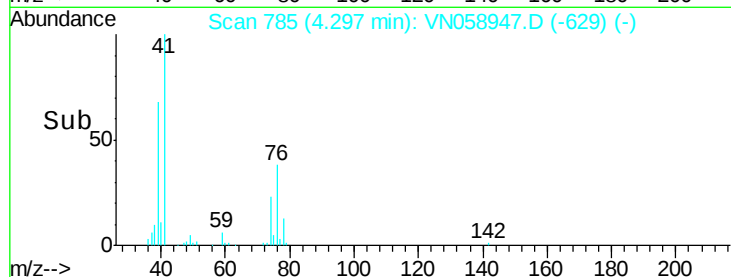
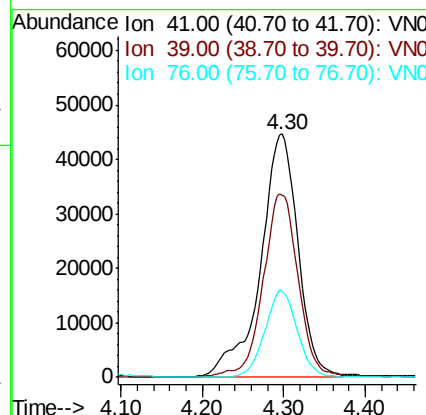
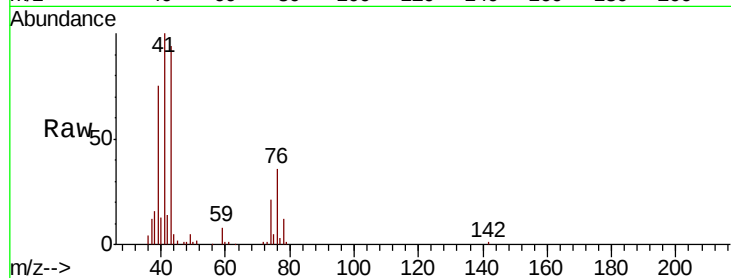
#17
Allvl chloride
Concen: 18.998 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.0	39.6	118.8
76	35.5	17.6	52.9

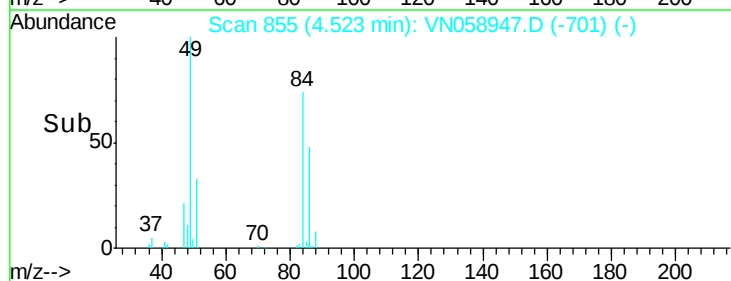
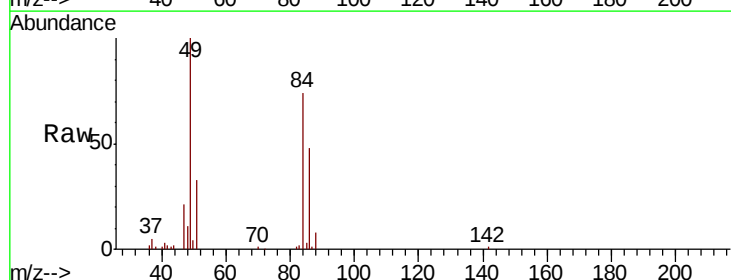
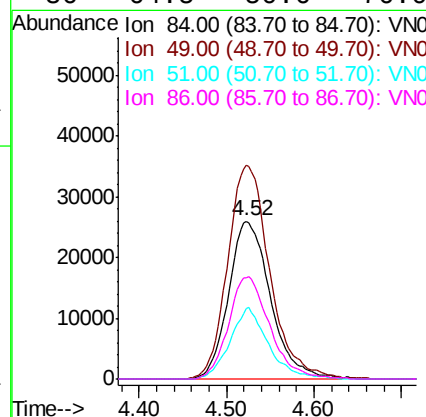
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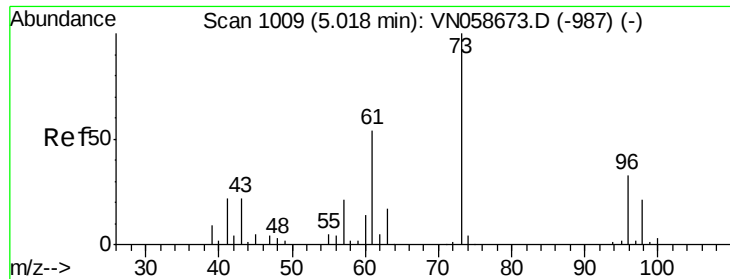
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#18
Methylene Chloride
Concen: 18.759 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.4	106.6	160.0
51	44.5	32.4	48.6
86	64.5	50.6	76.0





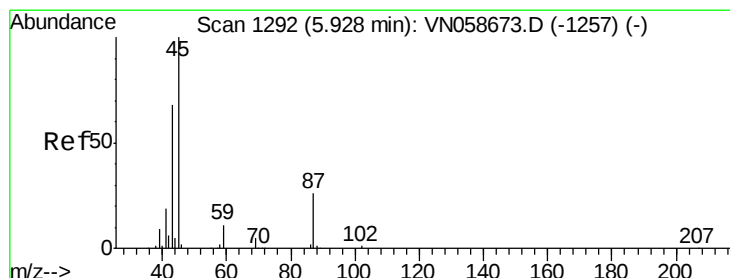
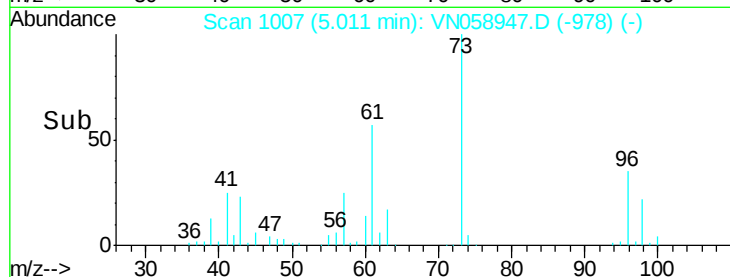
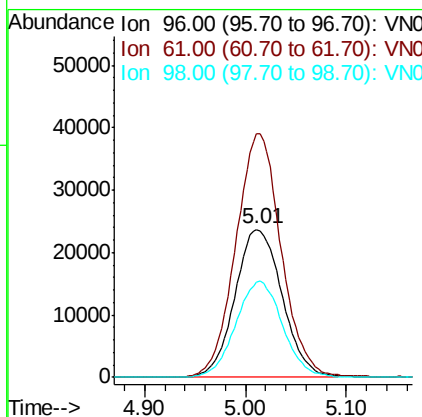
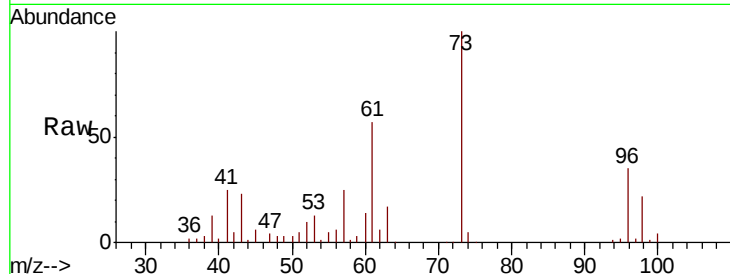
#19
trans-1,2-Dichloroethene
Concen: 18.610 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	131.8	197.6
98	63.8	52.6	79.0

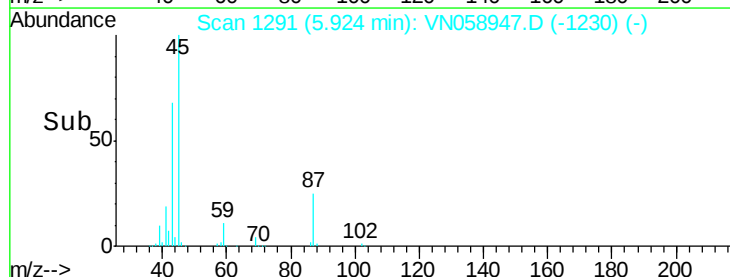
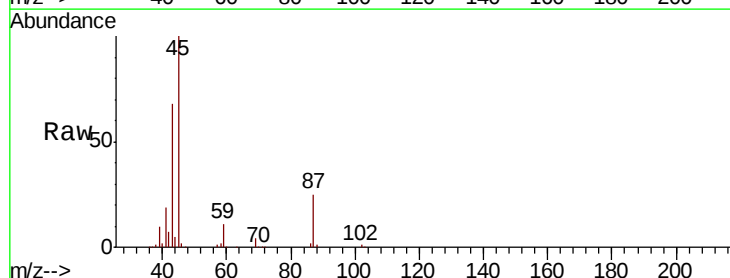
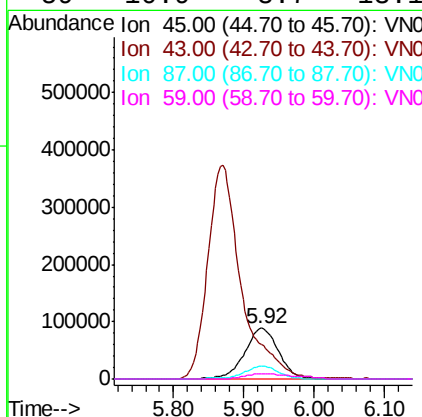
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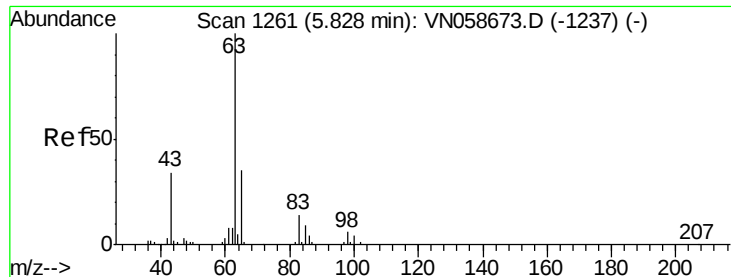
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#20
Diisopropyl ether
Concen: 19.388 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.2	54.7	82.1
87	24.8	21.5	32.3
59	10.9	8.7	13.1





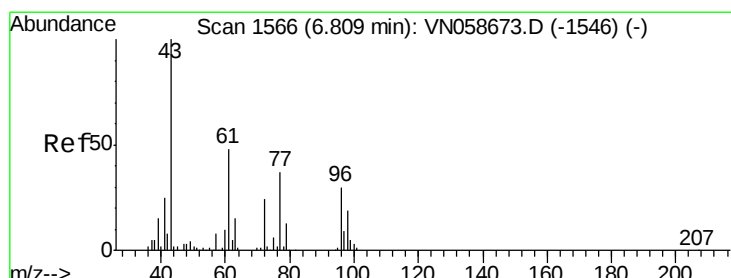
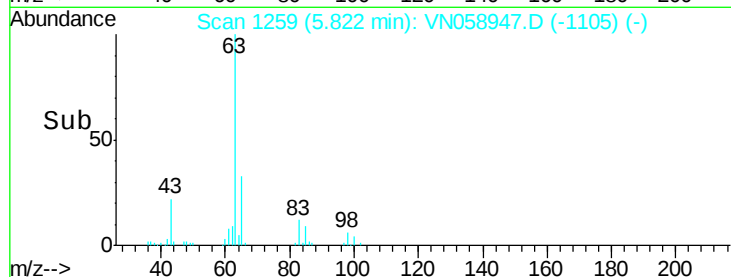
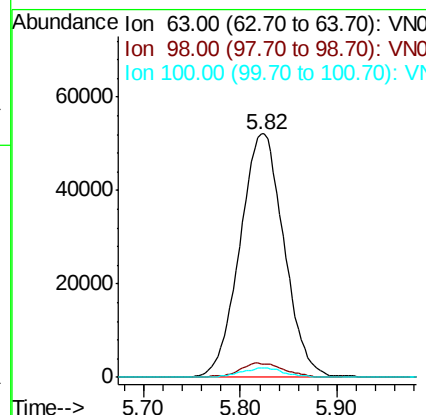
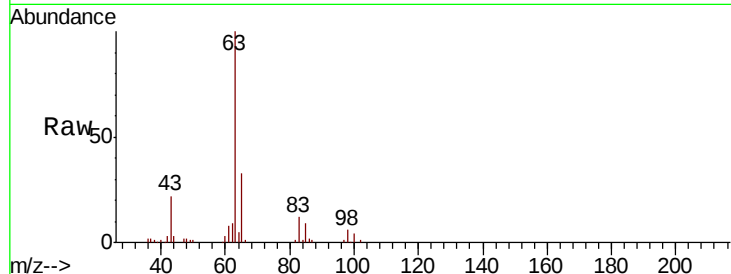
#21
 1,1-Dichloroethane
 Concen: 19.293 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.5	2.9	8.6
100	3.8	1.8	5.5

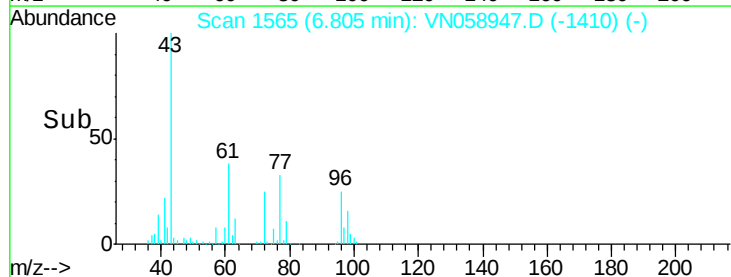
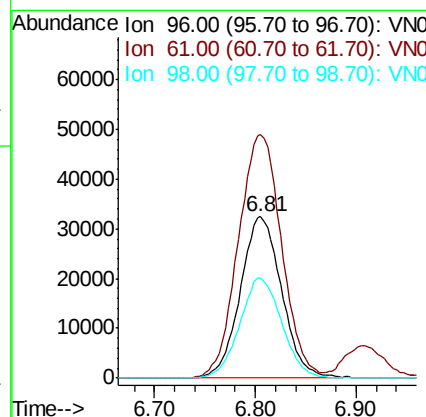
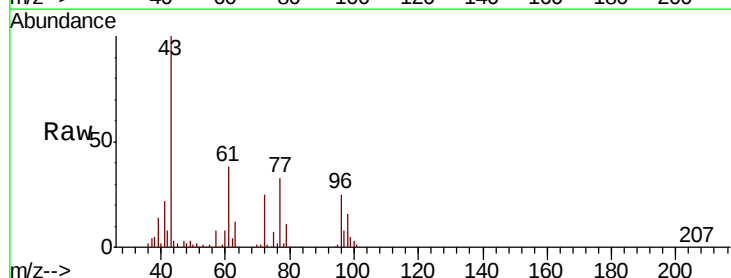
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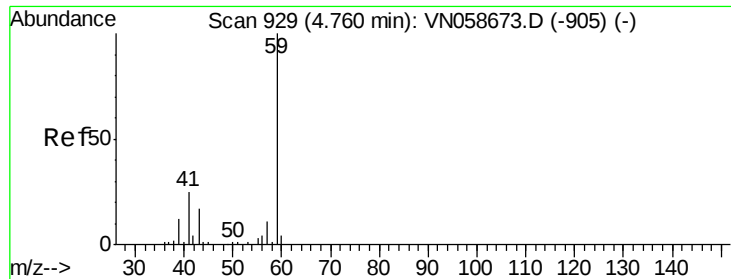
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#22
 cis-1,2-Dichloroethene
 Concen: 18.633 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	158.3	127.2	190.8
98	63.0	50.5	75.7





#23

tert-Butyl Alcohol

Concen: 95.316 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

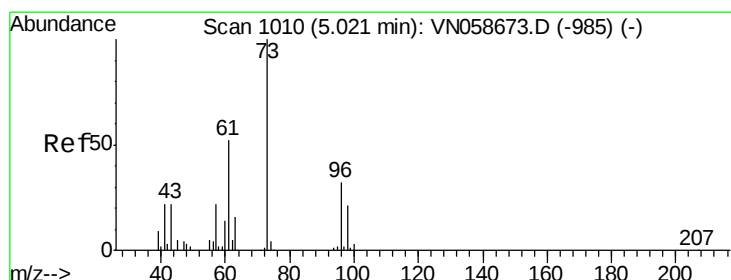
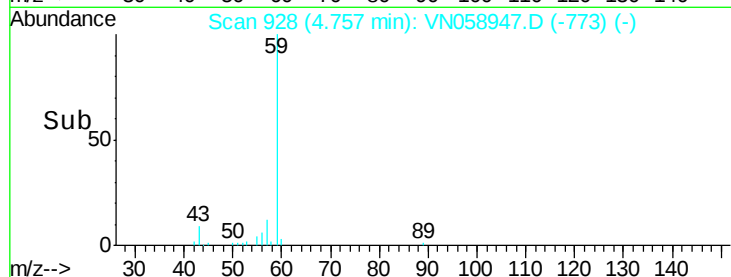
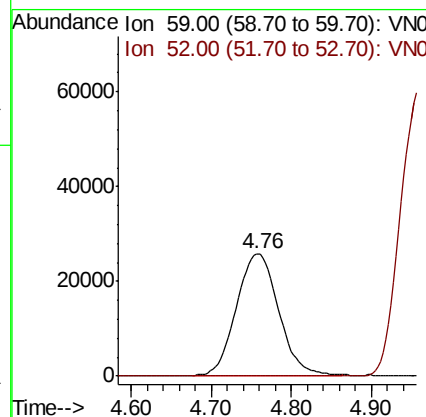
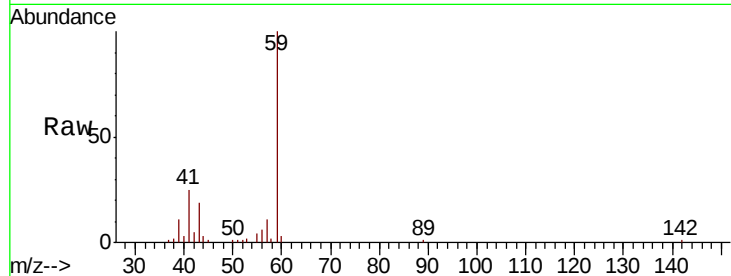
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 59 Resp: 93555

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

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#24

Methyl tert-Butyl Ether

Concen: 18.272 ug/l

RT: 5.02 min Scan# 1009

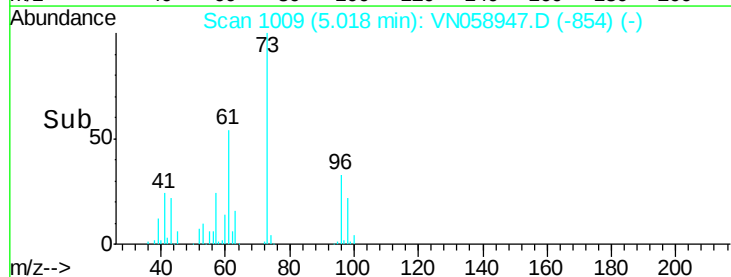
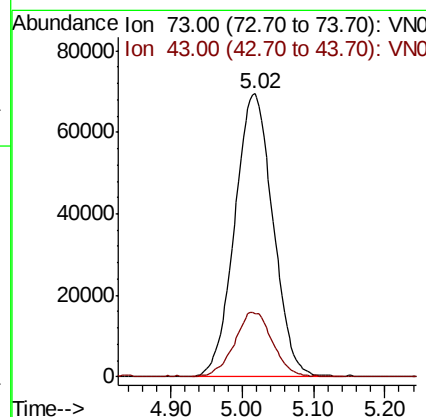
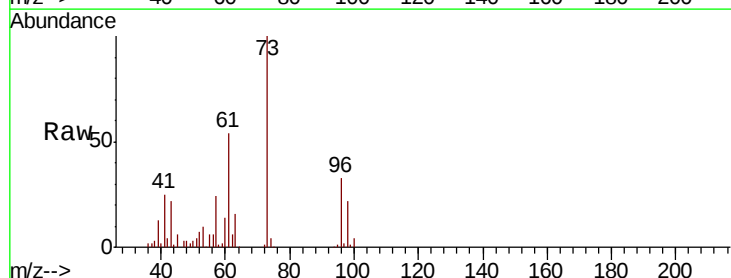
Delta R.T. -0.00 min

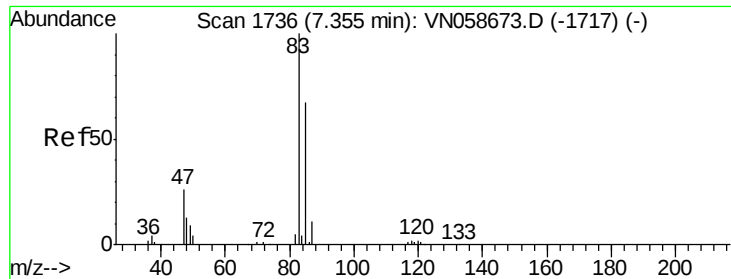
Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Tgt Ion: 73 Resp: 259478

Ion	Ratio	Lower	Upper
73	100		
43	12.1	17.9	26.9#





#25

Chloroform

Concen: 19.007 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 162037

Ion Ratio Lower Upper

83 100

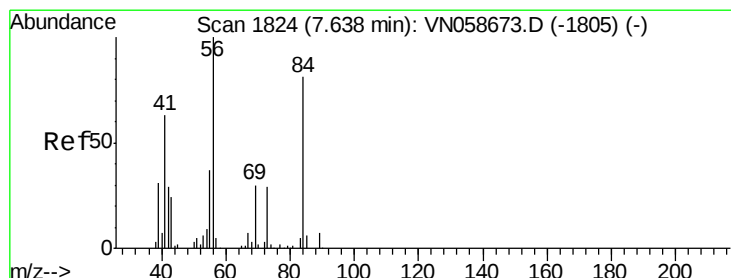
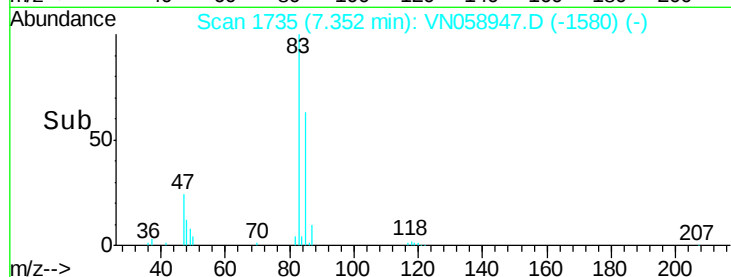
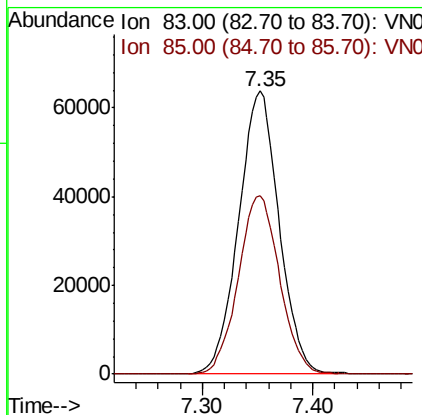
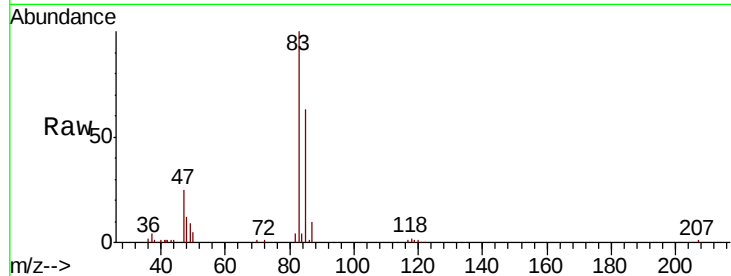
85 62.9 53.8 80.8

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#26

Cyclohexane

Concen: 17.734 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

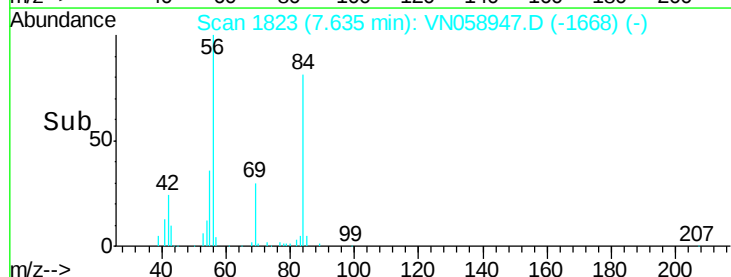
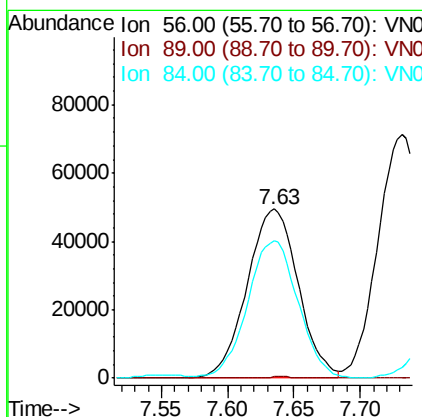
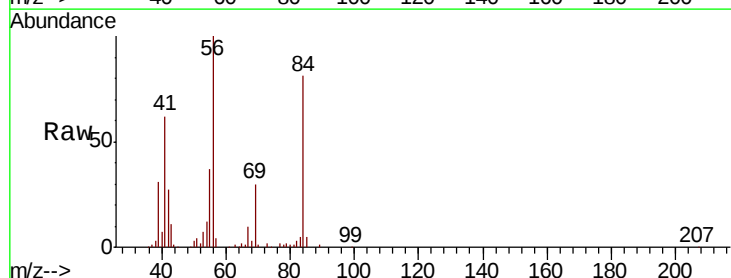
Tgt Ion: 56 Resp: 133051

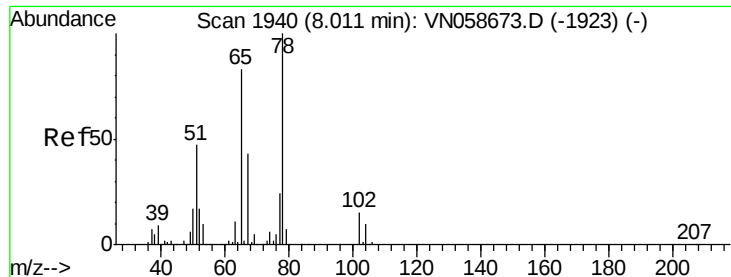
Ion Ratio Lower Upper

56 100

89 0.3 6.2 9.2#

84 80.5 65.6 98.4





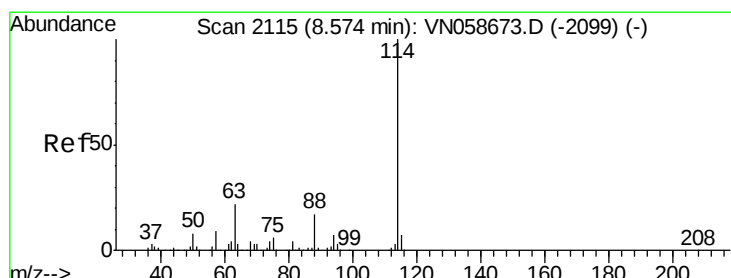
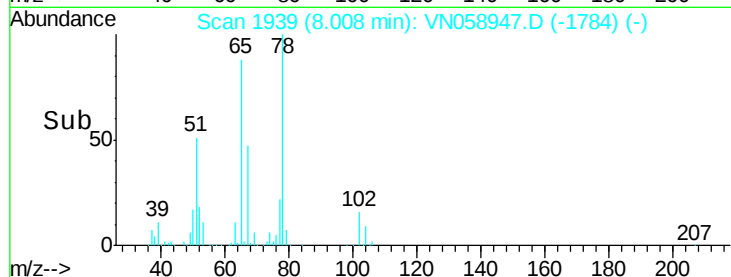
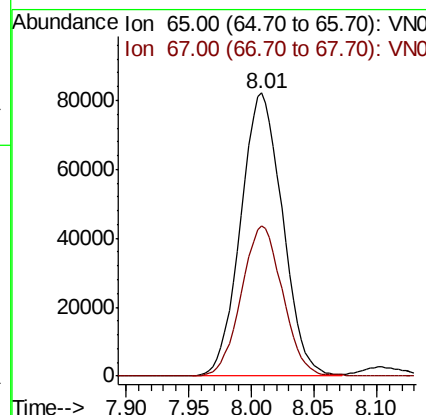
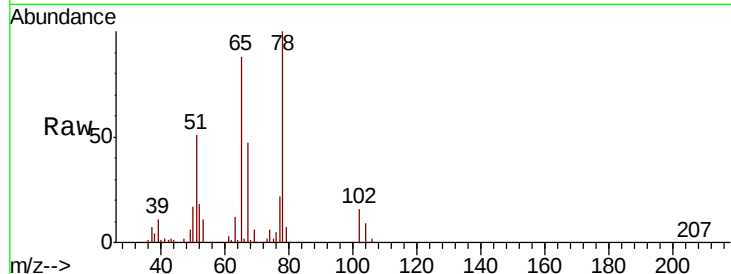
#27
 1,2-Dichloroethane-d4
 Concen: 30.901 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190802		
67	52.1	41.5	62.3	

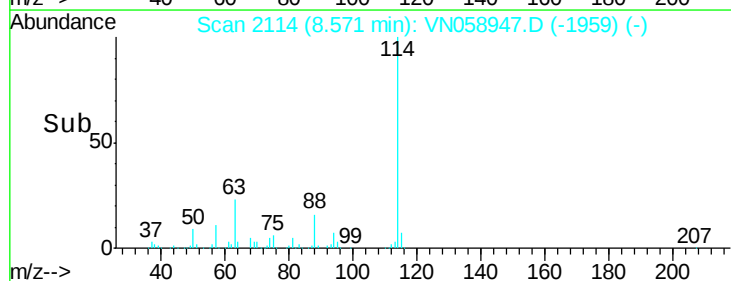
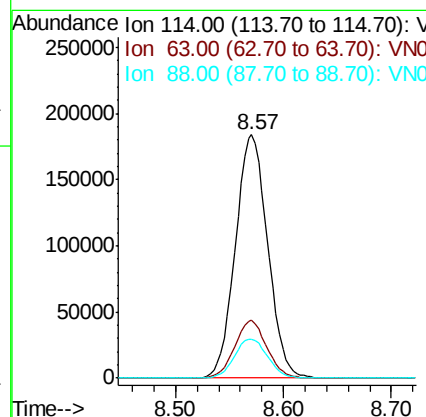
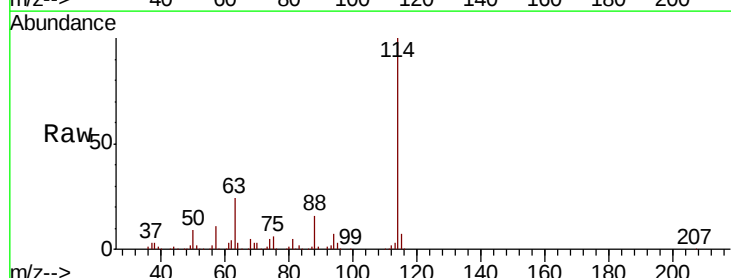
Manual Integrations
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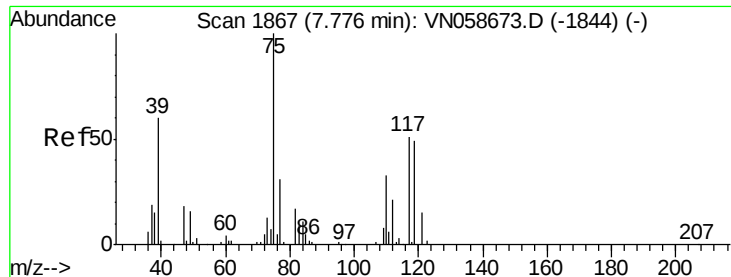
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	384541		
63	23.5	18.1	27.1	
88	16.4	13.0	19.4	





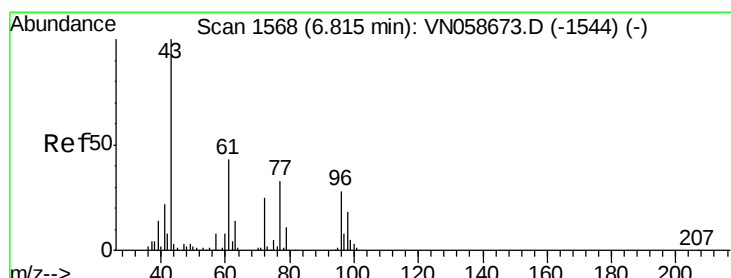
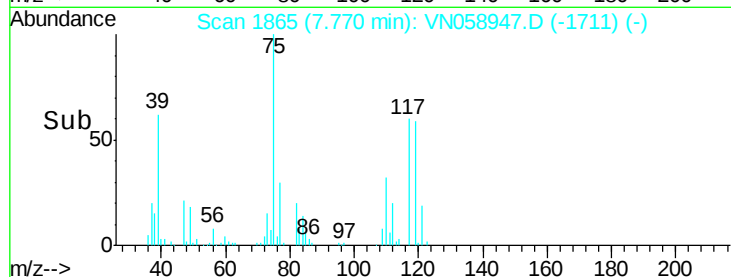
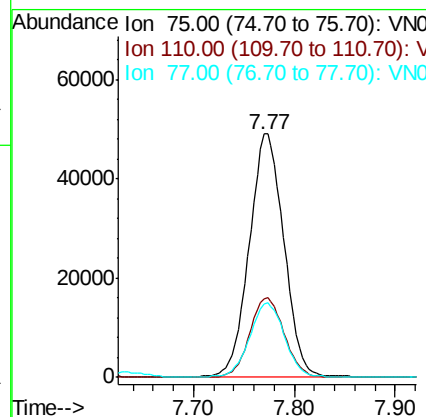
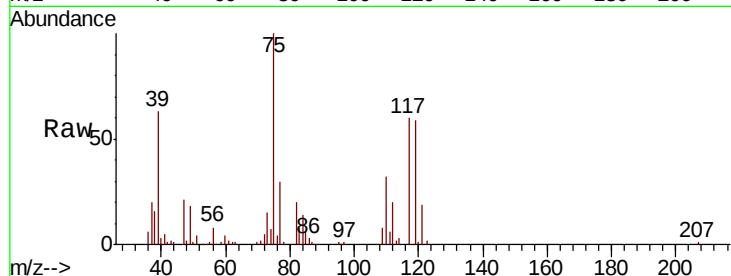
#29
 1,1-Dichloropropene
 Concen: 19.286 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.4	0.0	64.6
77	30.9	0.0	60.8

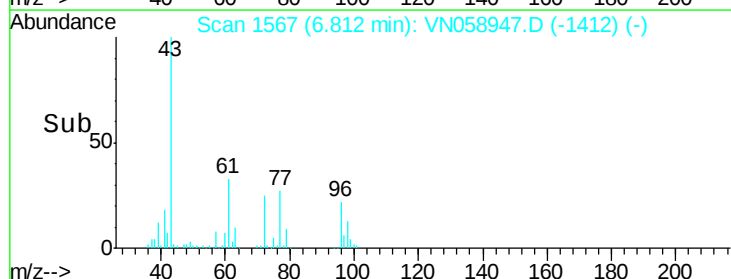
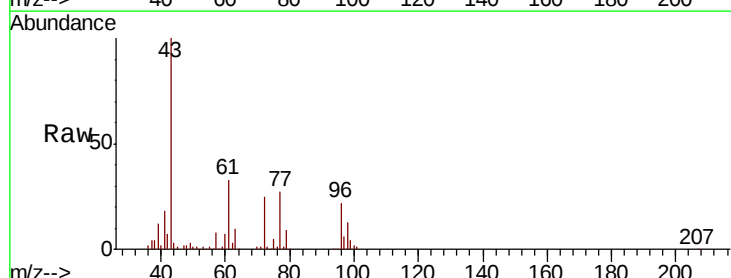
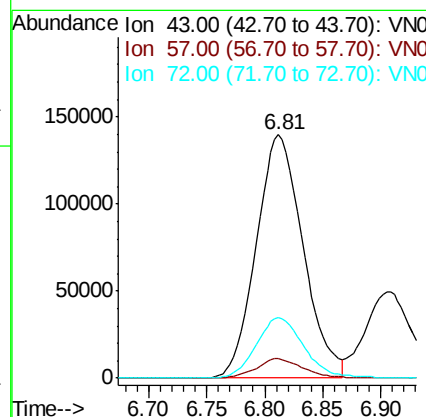
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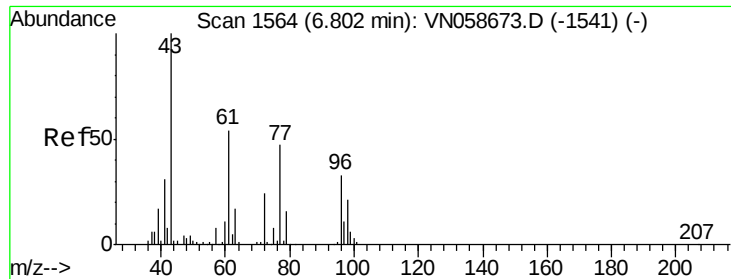
MMDadoda
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#30
 2-Butanone
 Concen: 114.501 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.5	9.7
72	25.3	20.1	30.1





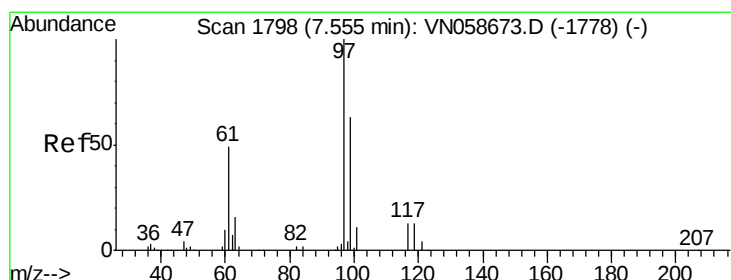
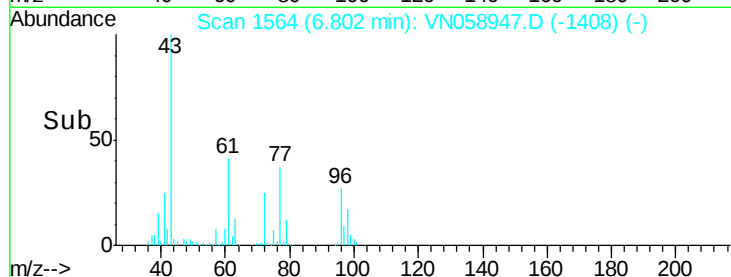
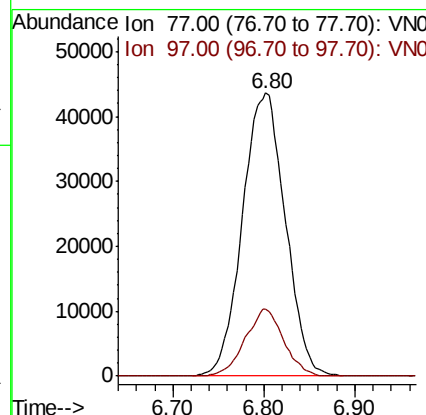
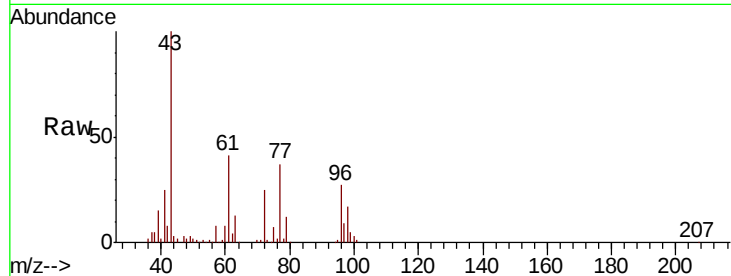
#31
 2,2-Dichloropropane
 Concen: 20.009 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.2	17.9	26.9

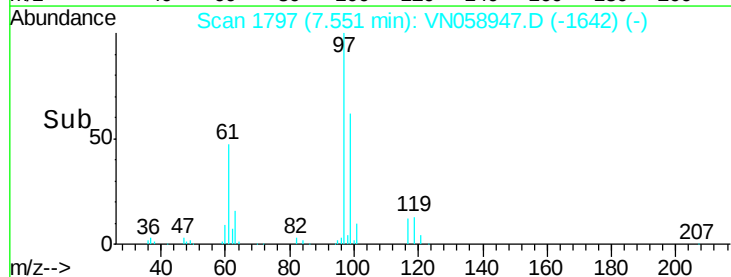
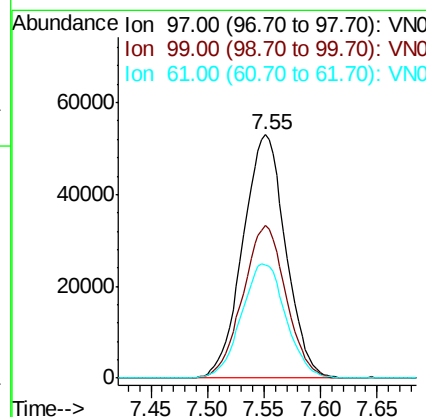
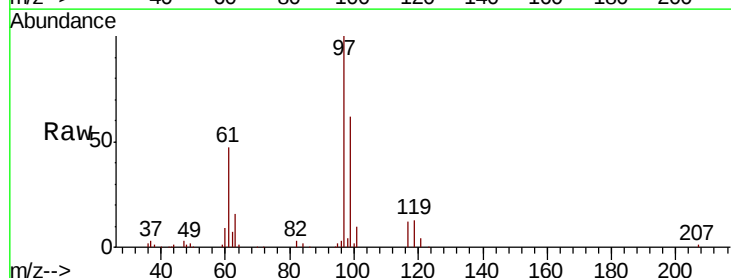
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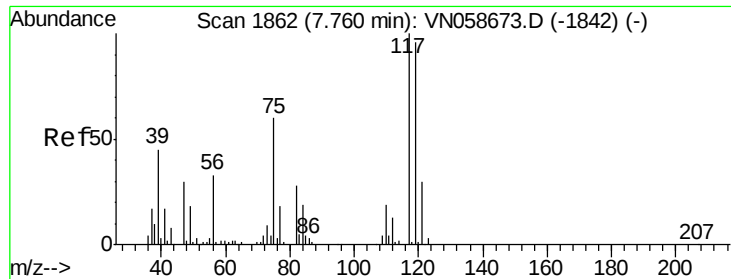
MMDadoda
 10/25/2019 2:36:42 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.951 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.3	76.9
61	48.6	38.4	57.6





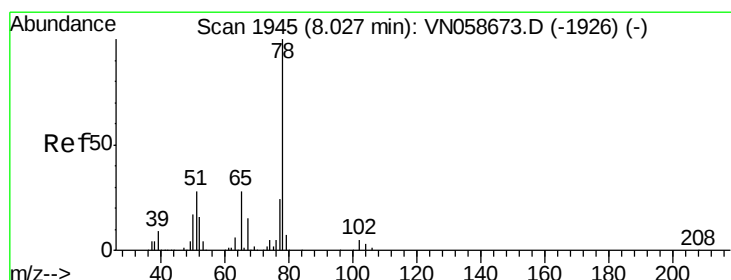
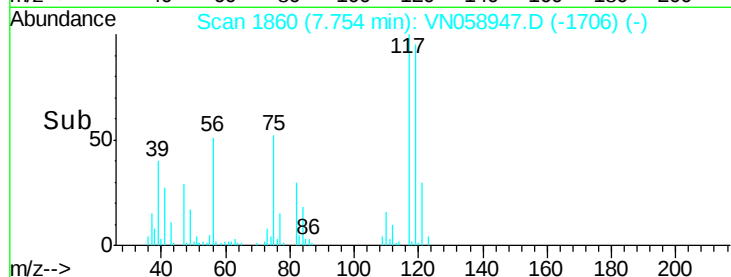
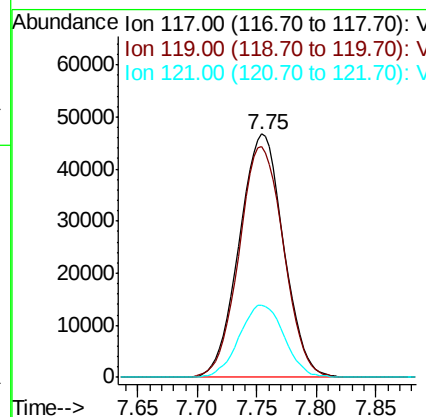
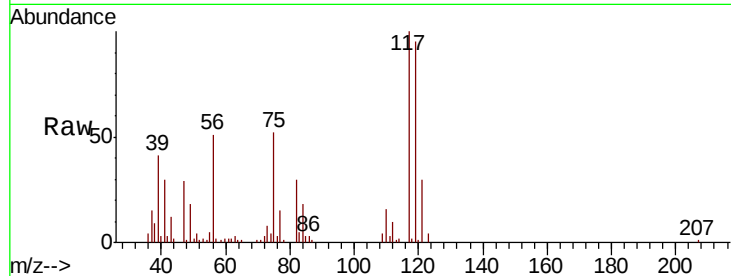
#33
Carbon Tetrachloride
Concen: 19.932 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.9	115.3
121	29.8	23.8	35.8

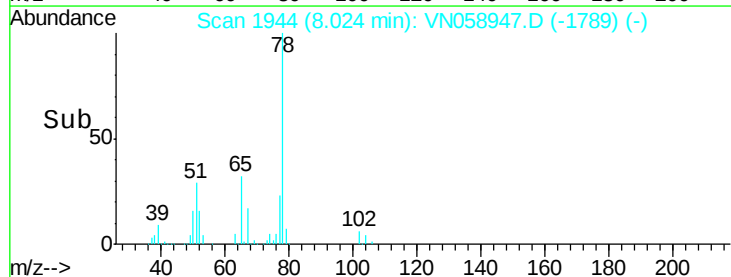
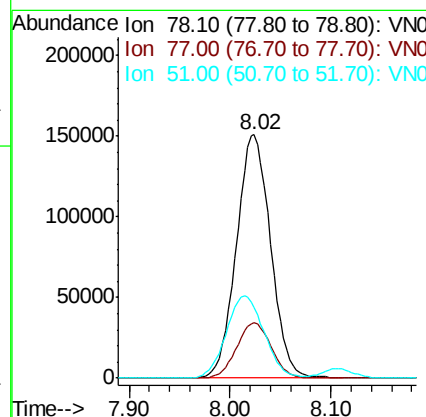
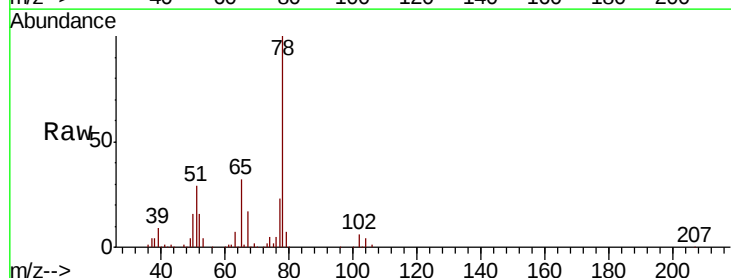
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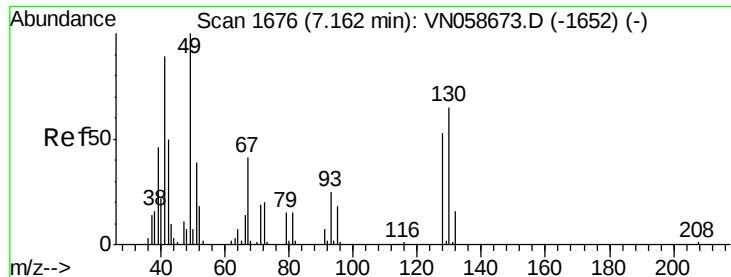
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#34
Benzene
Concen: 19.919 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.2	28.8
51	28.8	22.1	33.1





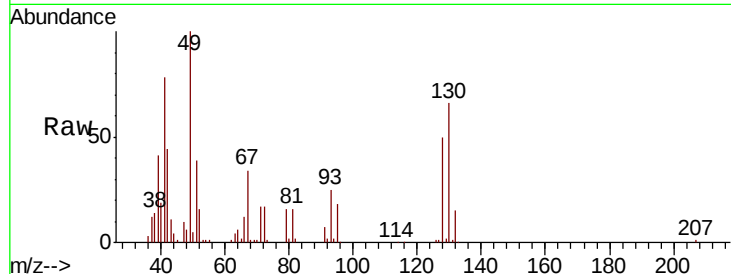
#35
Methacrylonitrile
Concen: 20.338 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

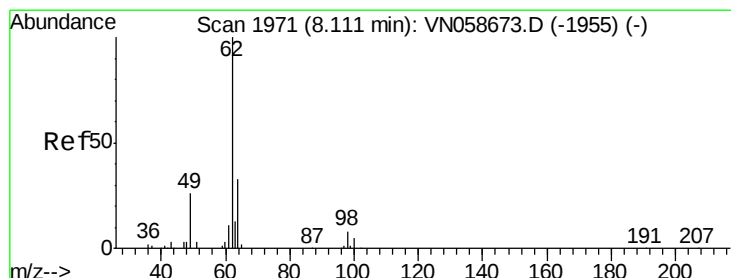
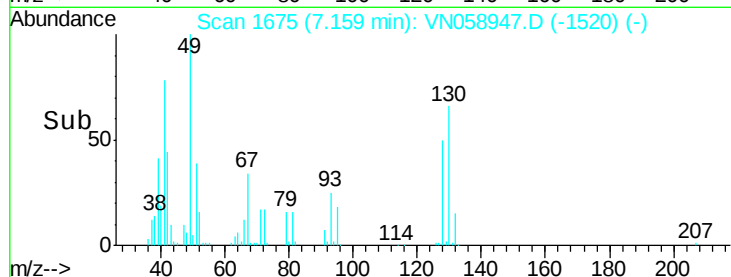
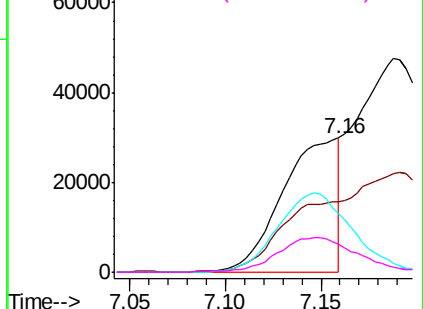
Tot Ion	41	Resp	61456
Ion	Ratio	Lower	Upper
41	100		
39	52.6	25.8	77.4
67	43.9	23.0	69.0
52	21.0	10.1	30.1

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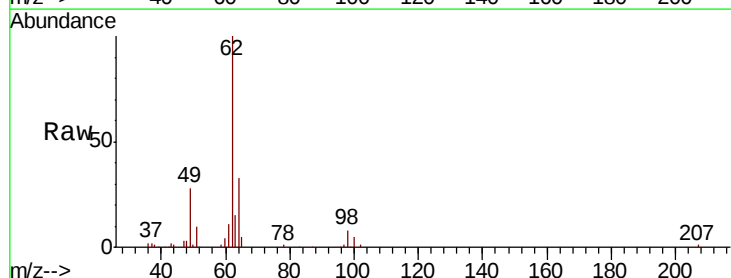


Abundance Ion 41.00 (40.70 to 41.70): VN058673.D (-1652) (-)
Ion 39.00 (38.70 to 39.70): VN058673.D (-1652) (-)
Ion 67.00 (66.70 to 67.70): VN058673.D (-1652) (-)
Ion 52.00 (51.70 to 52.70): VN058673.D (-1652) (-)

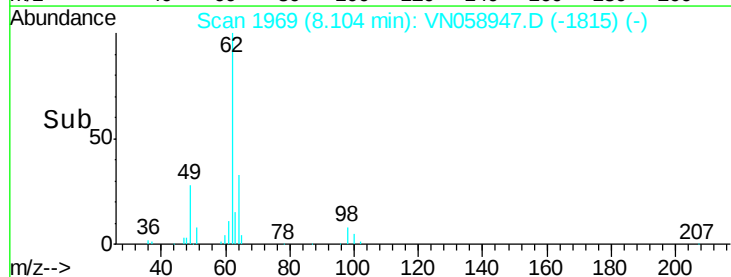
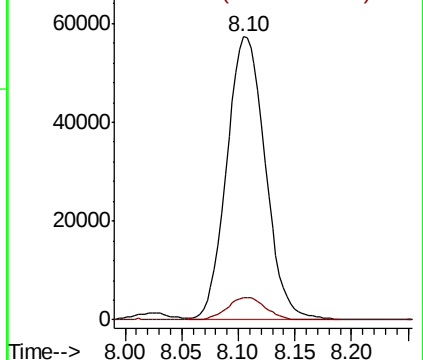


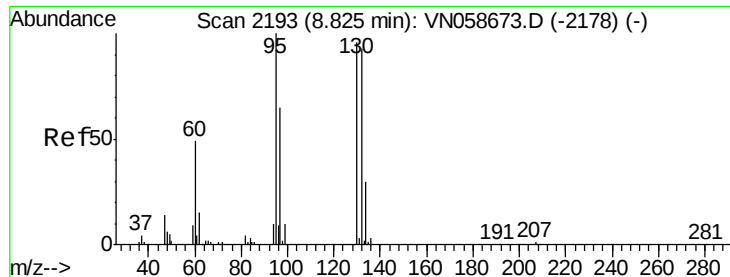
#36
1,2-Dichloroethane
Concen: 20.028 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	62	Resp	136465
Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.4	9.6



Abundance Ion 62.00 (61.70 to 62.70): VN058673.D (-1955) (-)
Ion 98.00 (97.70 to 98.70): VN058673.D (-1955) (-)





#37

Trichloroethene

Concen: 19.056 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 83427

Ion Ratio Lower Upper

130 100

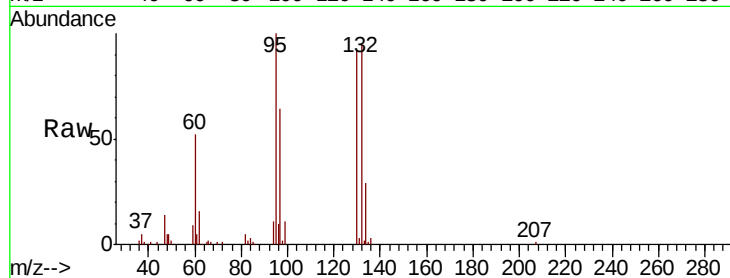
95 108.2 83.2 124.8

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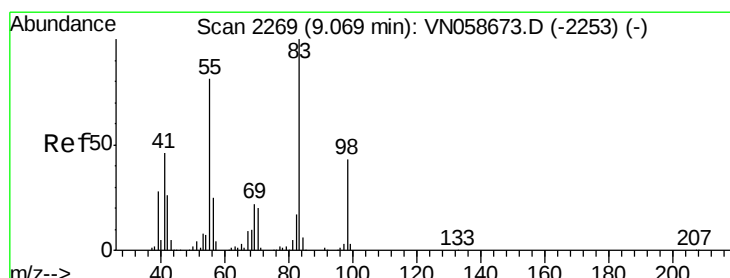
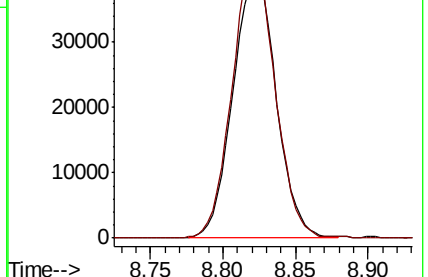
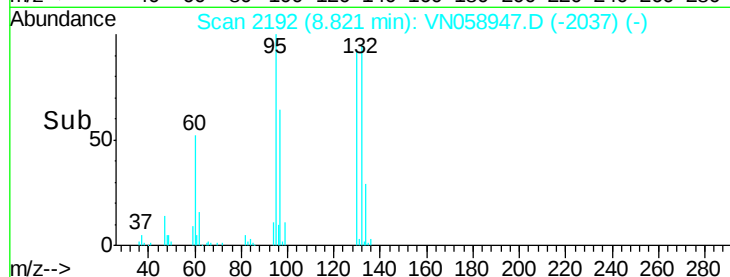


Abundance Ion 129.90 (129.60 to 130.60): VN058947.D (-2037) (-)

Ion 94.90 (94.60 to 95.60): VN058947.D (-2037) (-)

8.82

Time-->



#38

Methylcyclohexane

Concen: 17.845 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

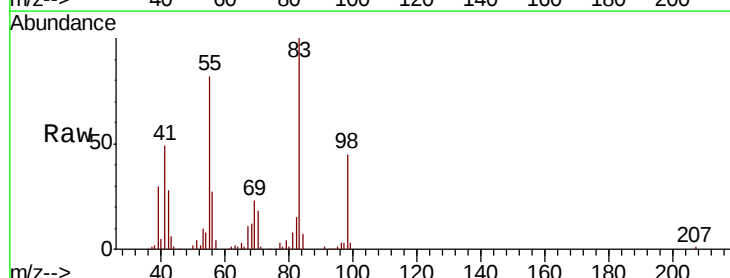
Tgt Ion: 83 Resp: 125239

Ion Ratio Lower Upper

83 100

55 83.8 40.4 121.1

98 44.9 21.6 65.0



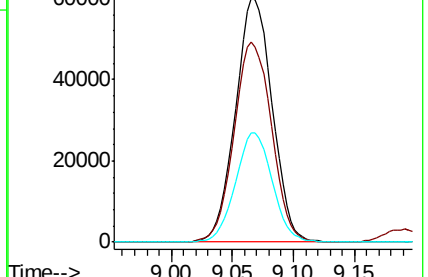
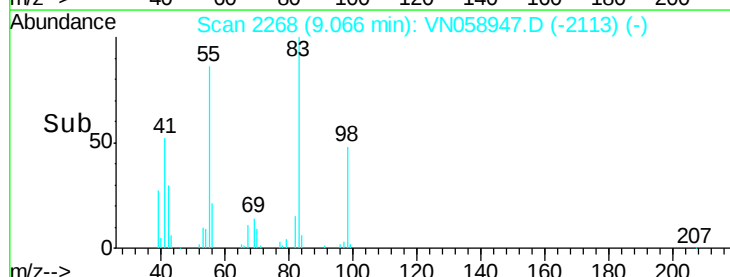
Abundance Ion 83.00 (82.70 to 83.70): VN058947.D (-2113) (-)

Ion 55.00 (54.70 to 55.70): VN058947.D (-2113) (-)

Ion 98.00 (97.70 to 98.70): VN058947.D (-2113) (-)

9.07

Time-->





#39

1,2-Dichloropropane

Concen: 20.009 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 97446

Ion Ratio Lower Upper

63 100

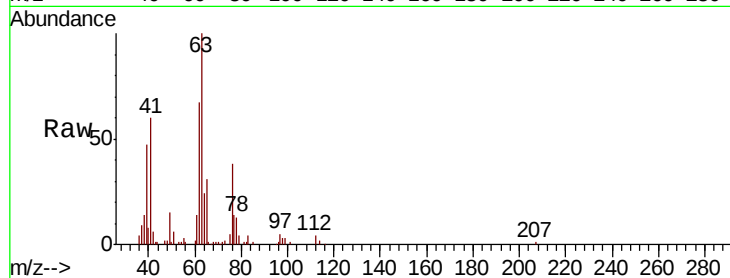
65 30.6 23.8 35.6

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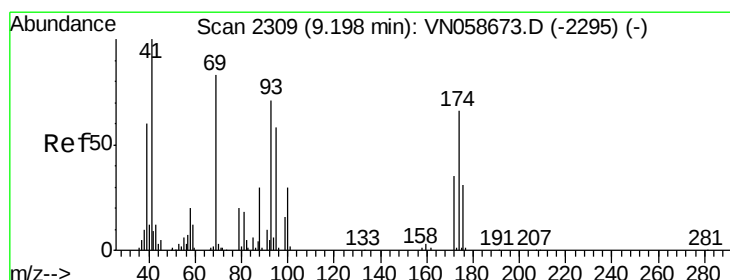
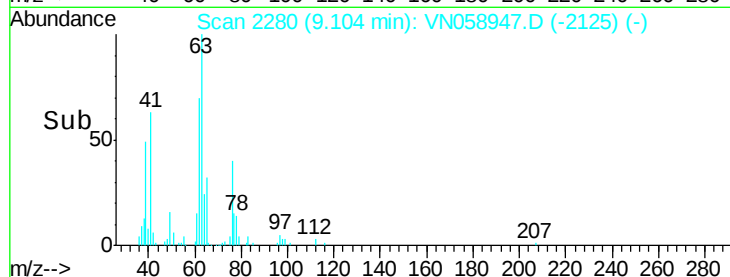
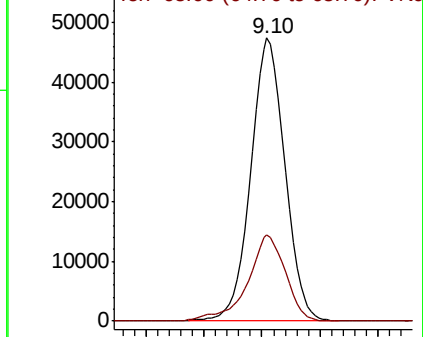
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.131 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

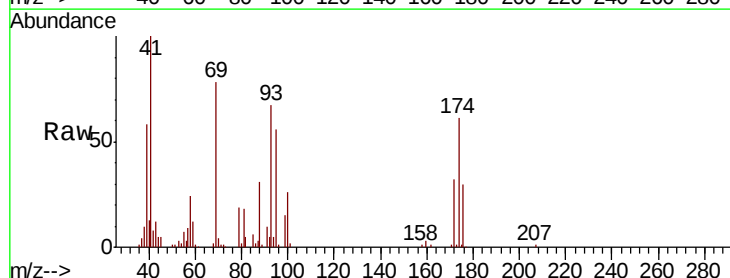
Tgt Ion: 93 Resp: 61891

Ion Ratio Lower Upper

93 100

95 81.6 0.0 167.6

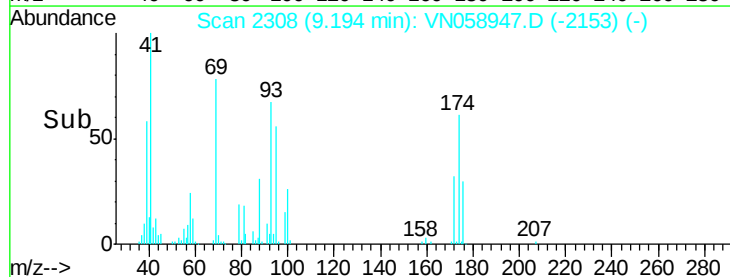
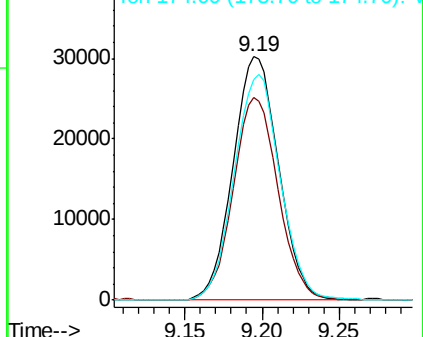
174 93.4 0.0 187.2

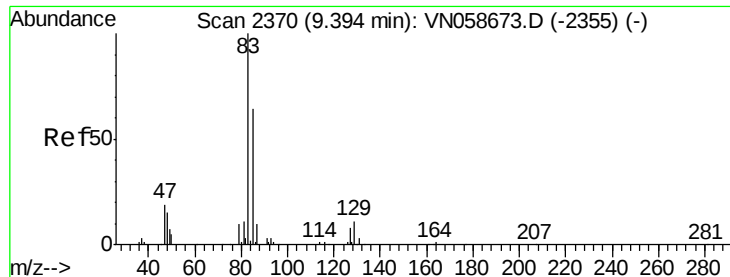


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.268 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

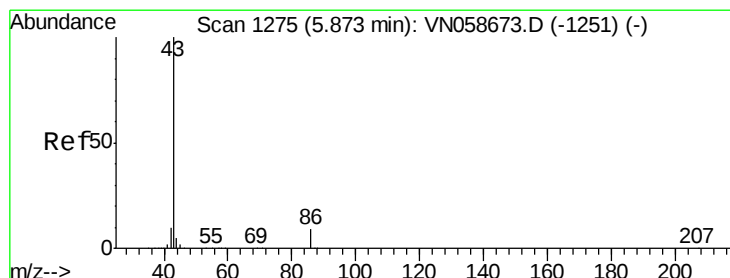
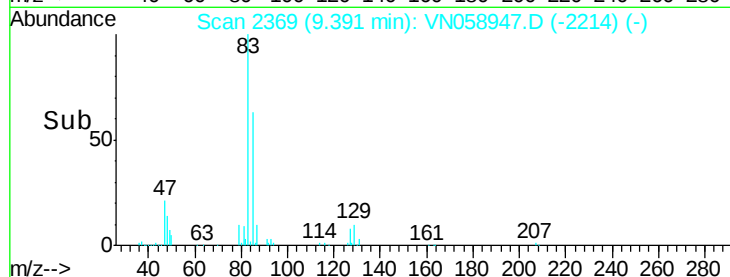
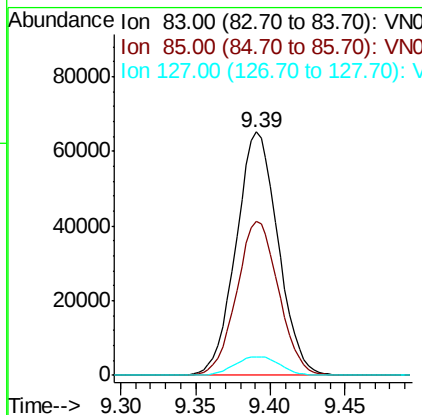
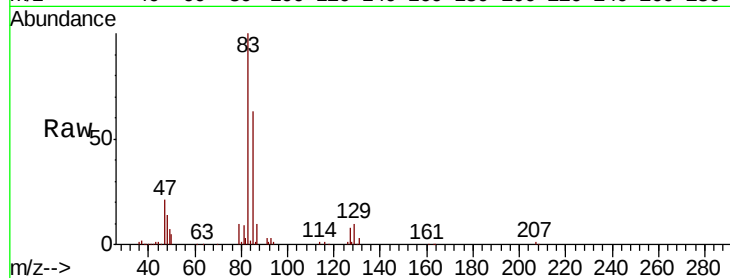
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	127299
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.0	76.4
127	7.8	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 103.754 ug/l

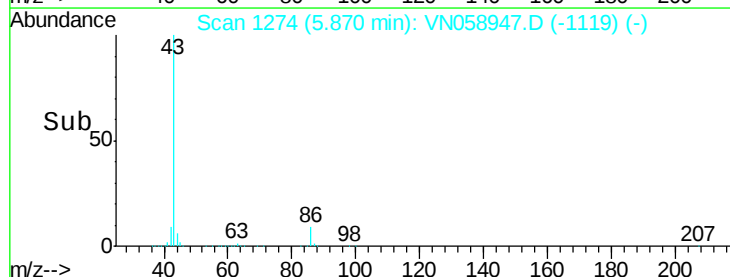
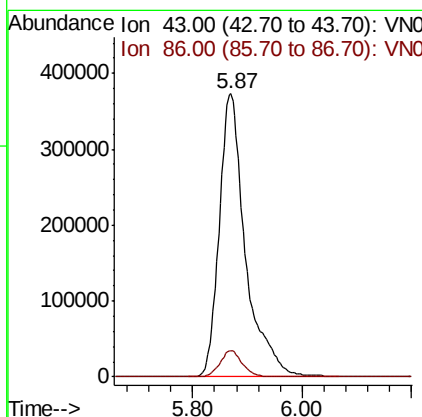
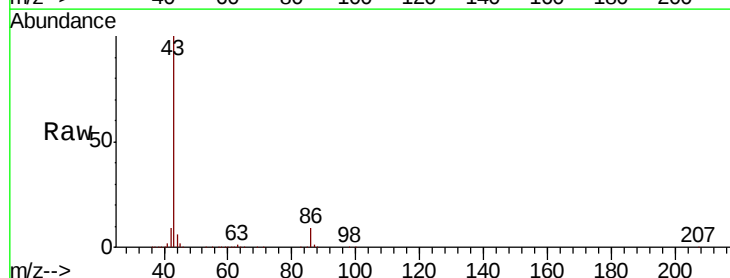
RT: 5.87 min Scan# 1274

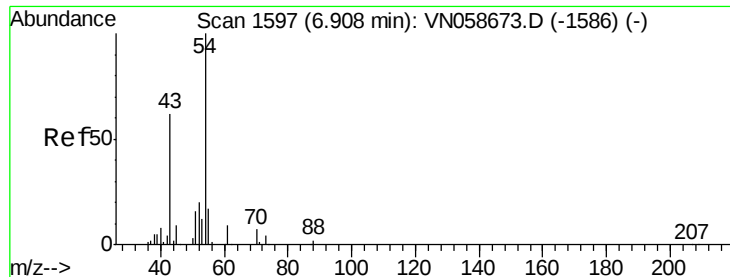
Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Tgt Ion:	43	Resp:	1242972
Ion Ratio	Lower	Upper	
43	100		
86	7.8	6.5	9.7





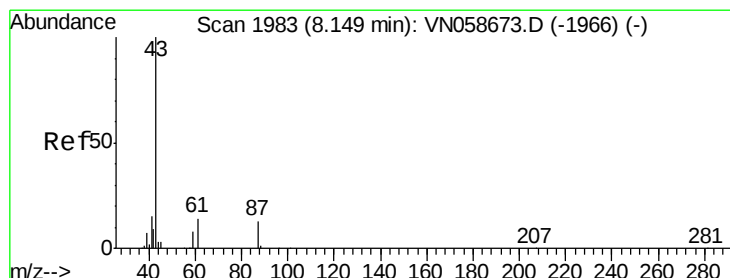
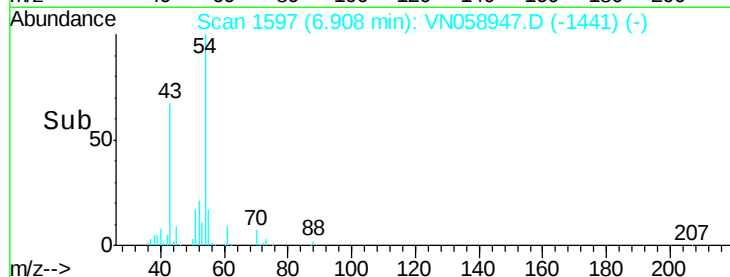
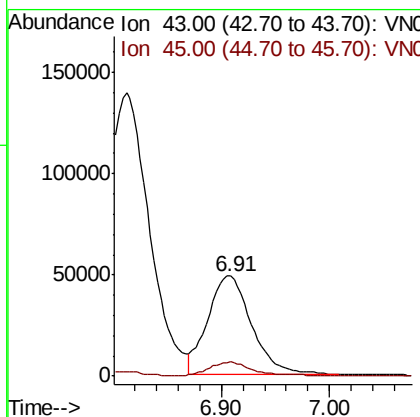
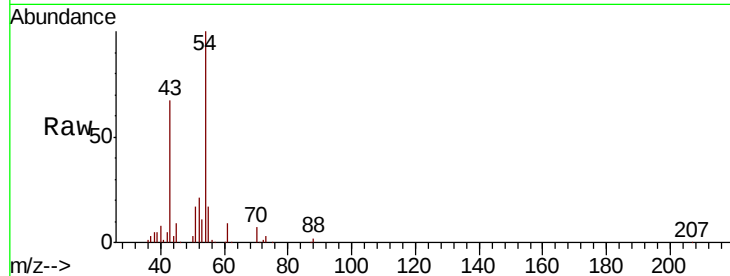
#43
Ethyl Acetate
Concen: 20.437 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 137215
Ion Ratio Lower Upper
43 100
45 14.8 9.7 14.5#

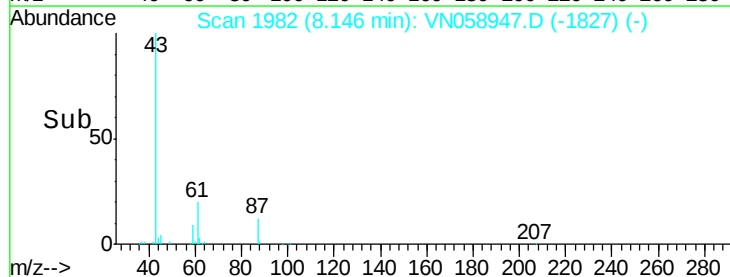
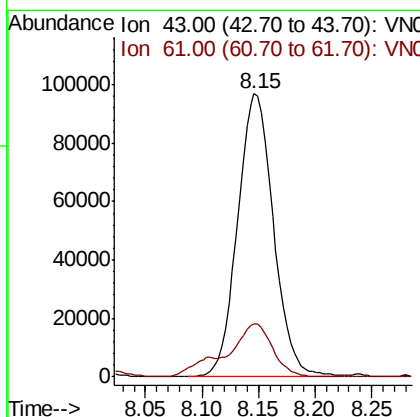
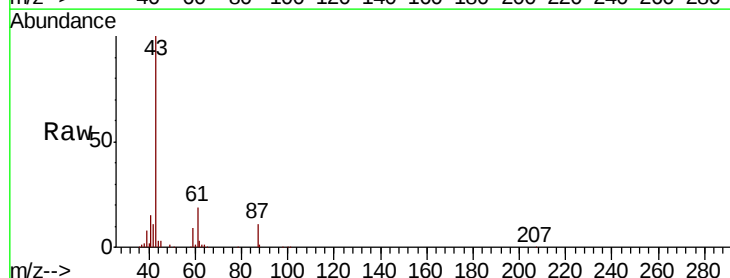
Manual Integrations
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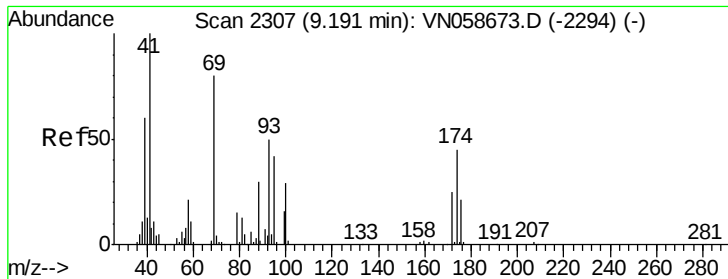
MMDadoda
10/25/2019 2:36:42 PM



#44
Isopropyl Acetate
Concen: 19.595 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 43 Resp: 213098
Ion Ratio Lower Upper
43 100
61 18.5 19.9 29.9#





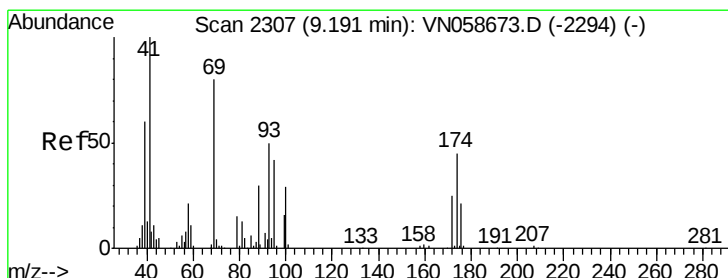
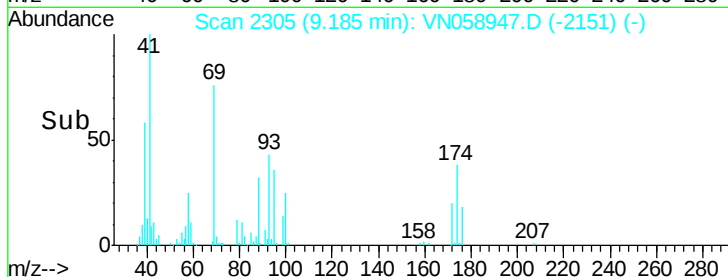
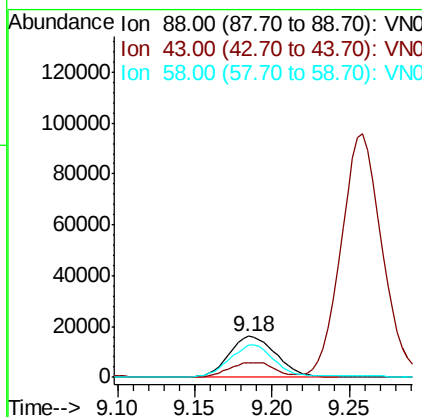
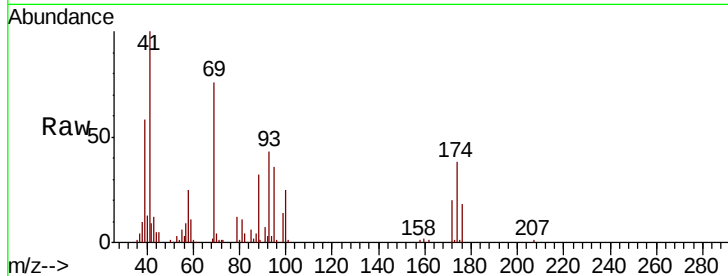
#45
 1,4-Dioxane
 Concen: 412.846 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	88	Resp	34476
Ion Ratio	Lower	Upper	
88	100		
43	33.9	29.8	44.8
58	75.9	58.2	87.4

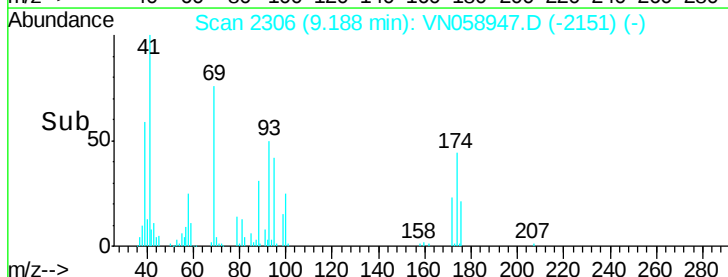
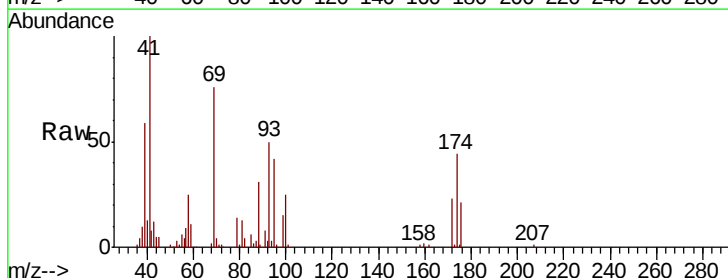
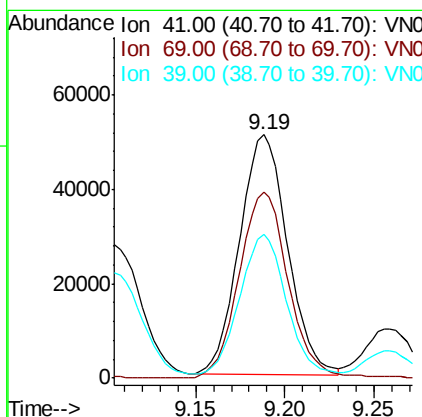
Manual Integrations
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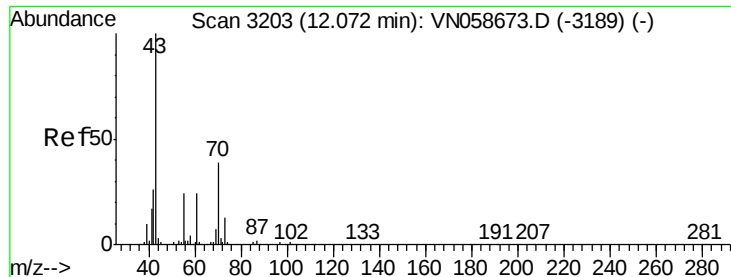
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 10/25/2019 2:36:42 PM



#46
 Methyl methacrylate
 Concen: 19.123 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	41	Resp	95474
Ion Ratio	Lower	Upper	
41	100		
69	77.6	40.2	120.5
39	58.5	29.9	89.8





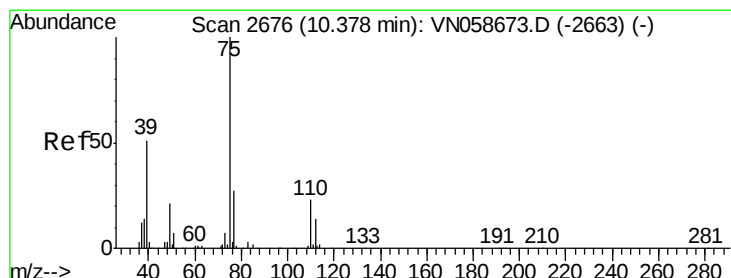
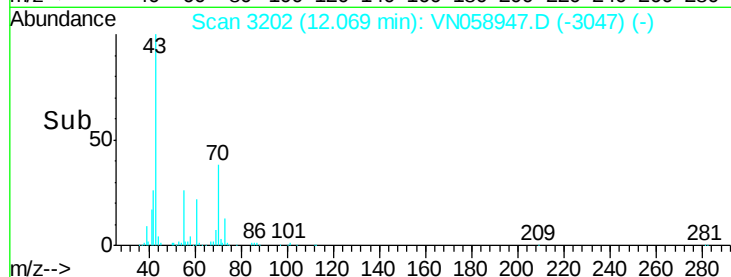
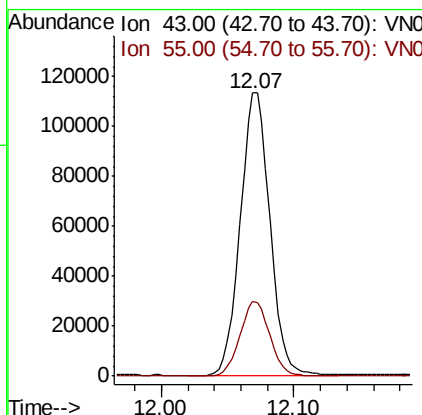
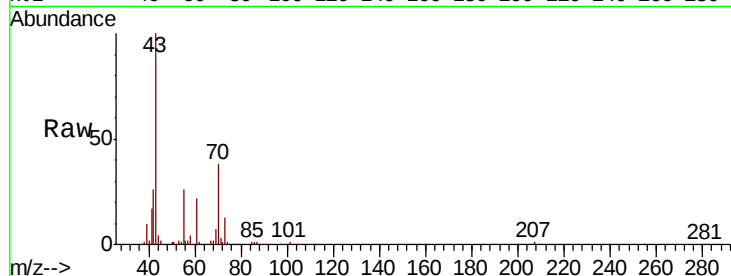
#47
n-amvl Acetate
Concen: 18.265 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 176085
Ion Ratio Lower Upper
43 100
55 26.7 19.6 29.4

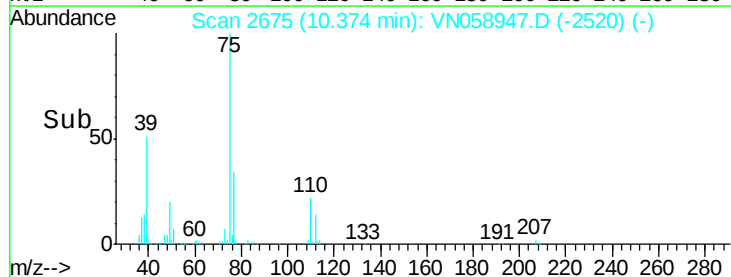
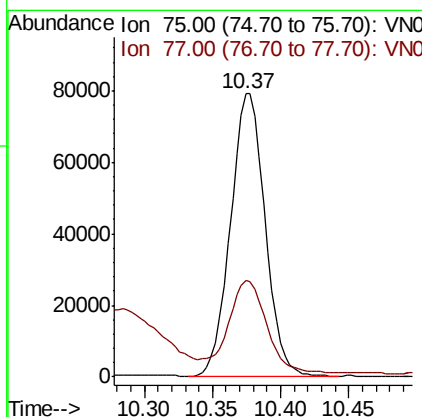
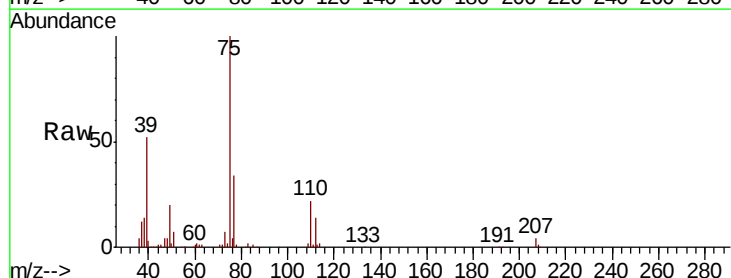
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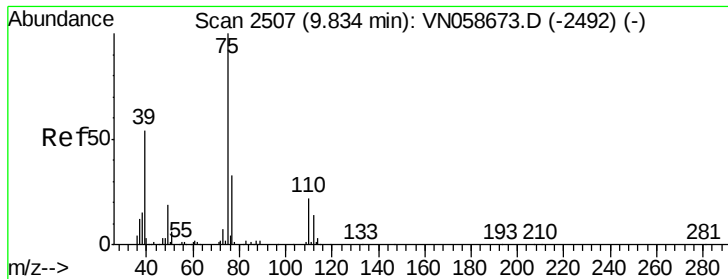
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 19.049 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 75 Resp: 138759
Ion Ratio Lower Upper
75 100
77 32.4 27.0 40.4





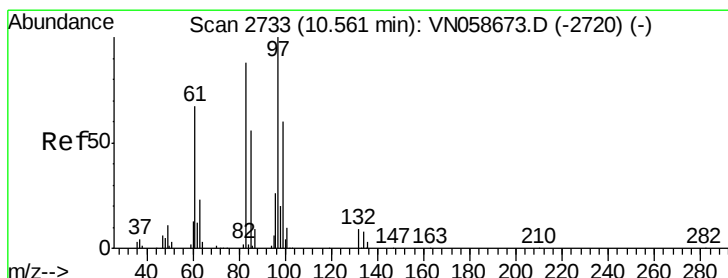
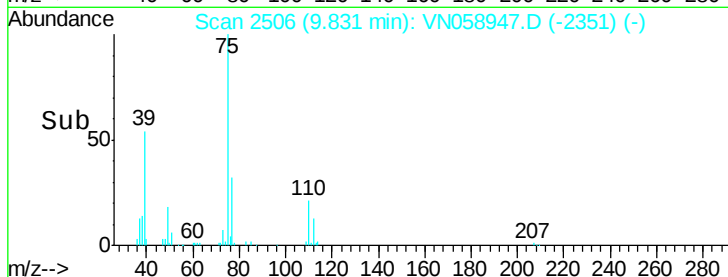
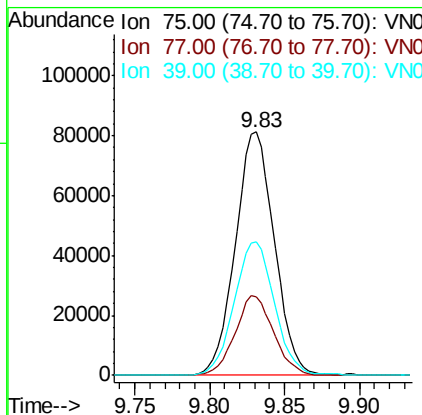
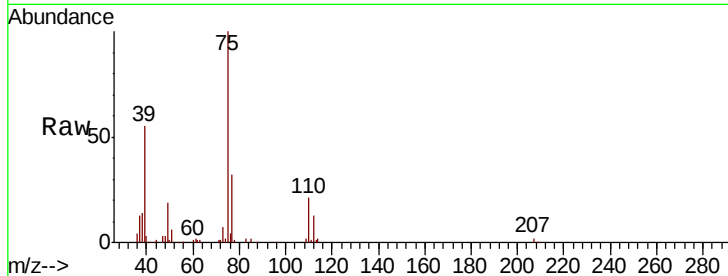
#49
 cis-1,3-Dichloropropene
 Concen: 19.286 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.1	39.1
39	54.5	43.1	64.7

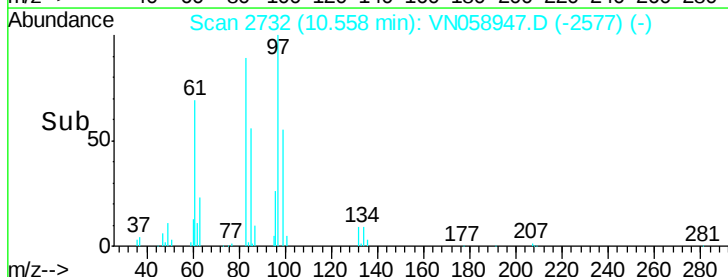
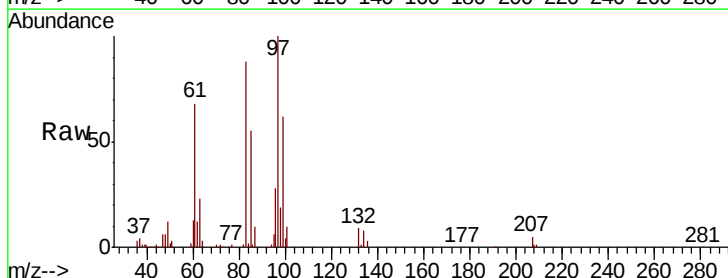
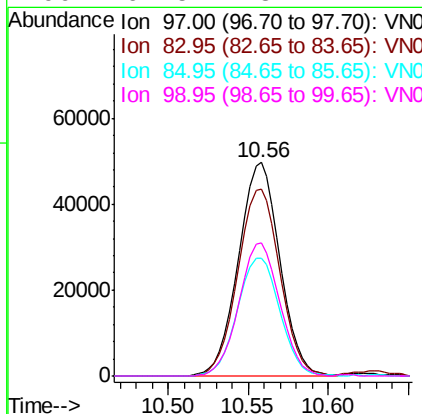
Manual Integrations
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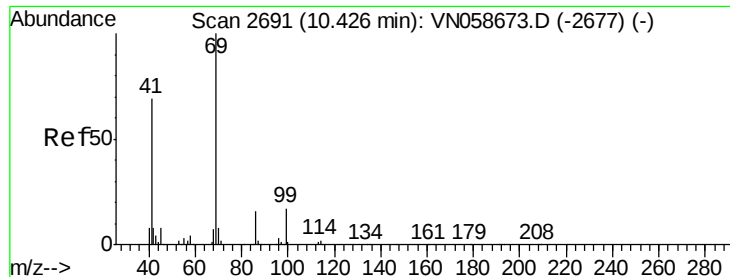
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#50
 1,1,2-Trichloroethane
 Concen: 19.986 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.7	106.1
85	55.4	45.1	67.7
99	62.5	48.2	72.4





#51

Ethyl methacrylate

Concen: 18.448 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

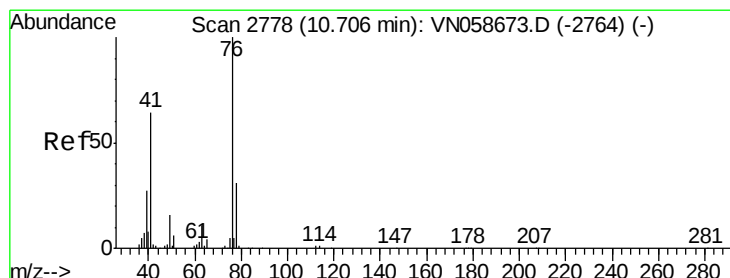
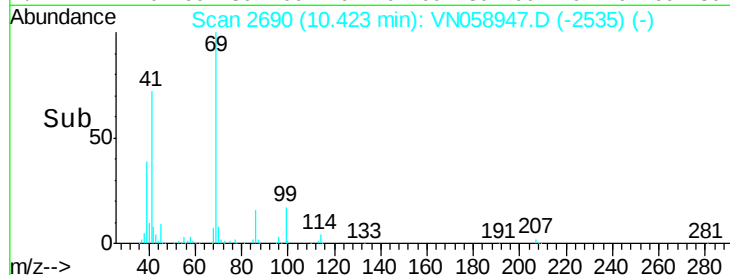
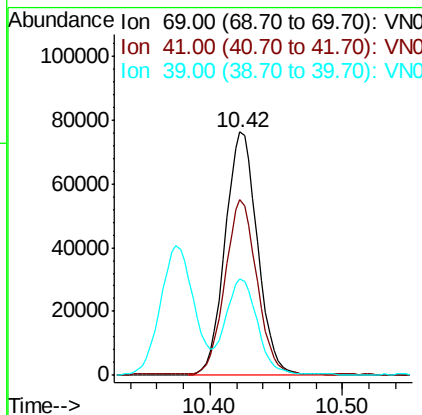
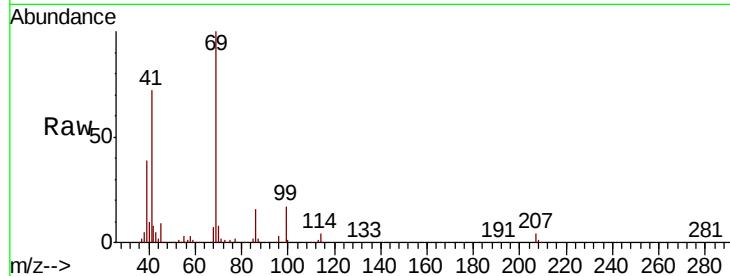
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	129470
Ion Ratio	Lower	Upper	
69	100		
41	71.6	34.7	104.1
39	39.1	20.3	60.8

Manual Integrations
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10/25/2019 2:36:42 PM



#52

1,3-Dichloropropane

Concen: 19.431 ug/l

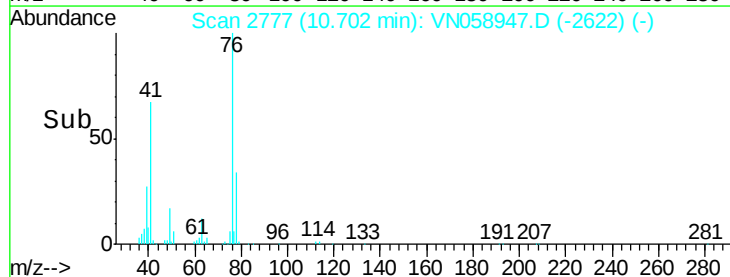
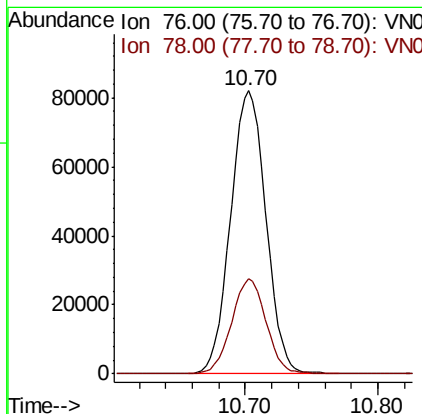
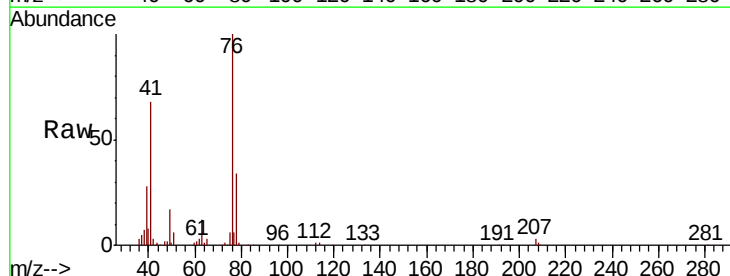
RT: 10.70 min Scan# 2777

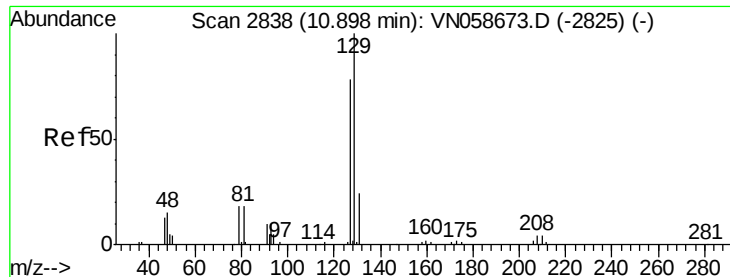
Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Tgt Ion:	76	Resp:	151879
Ion Ratio	Lower	Upper	
76	100		
78	32.9	0.0	63.2





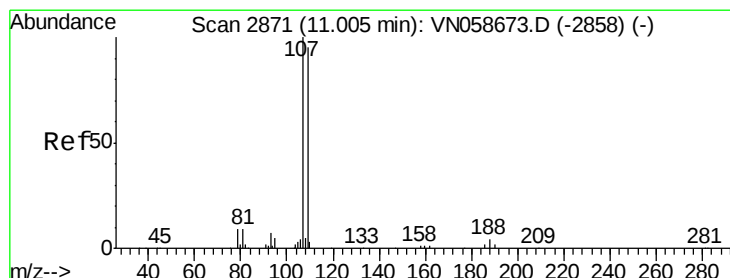
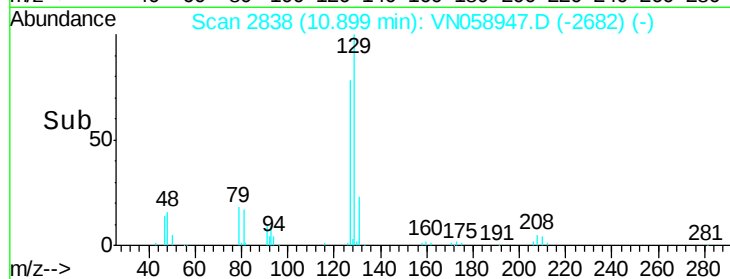
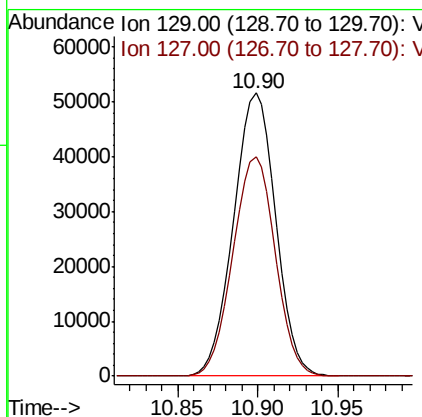
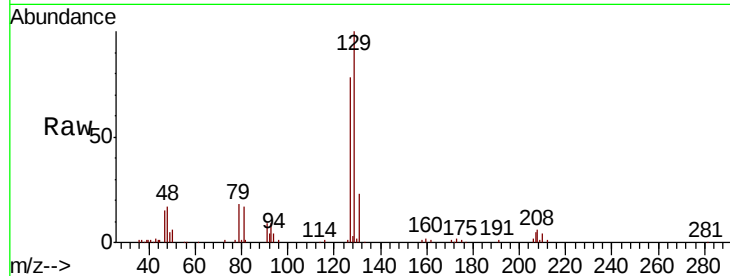
#53
 Dibromochloromethane
 Concen: 19.682 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 92705
 Ion Ratio Lower Upper
 129 100
 127 78.0 39.1 117.5

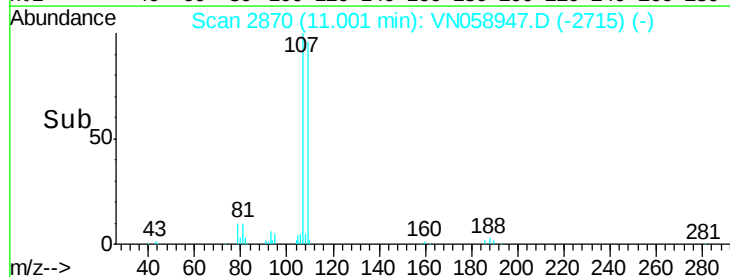
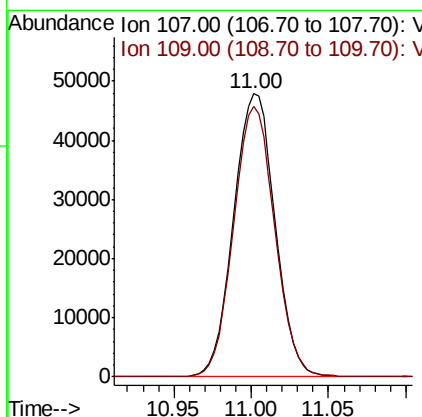
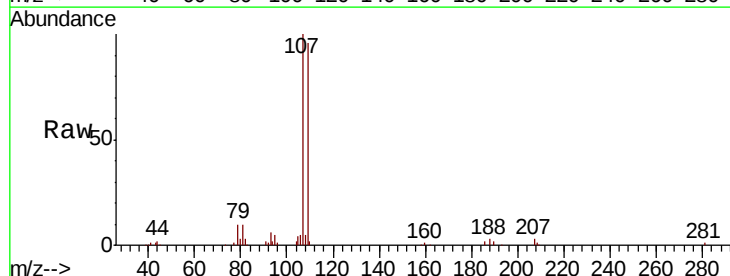
Manual Integrations
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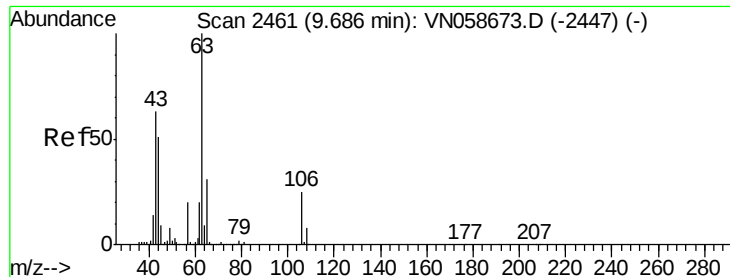
MMDadoda
 10/25/2019 2:36:42 PM



#54
 1,2-Dibromoethane
 Concen: 19.591 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion:107 Resp: 89125
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.2 114.4





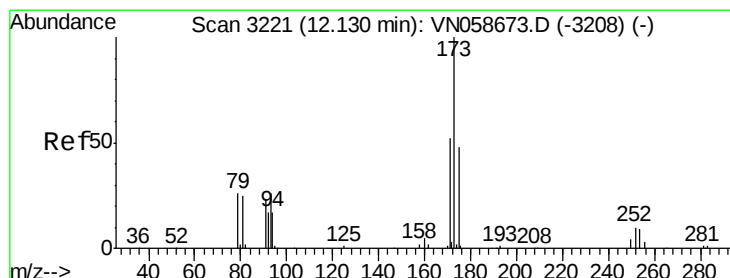
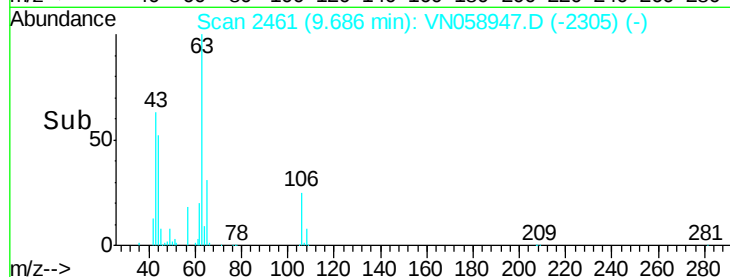
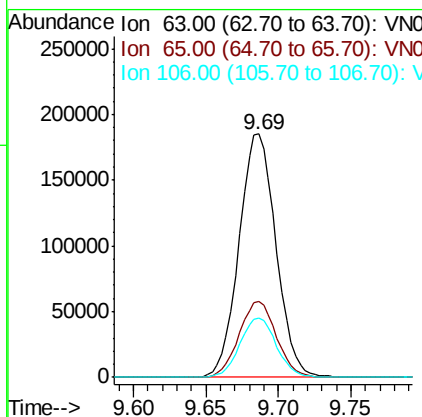
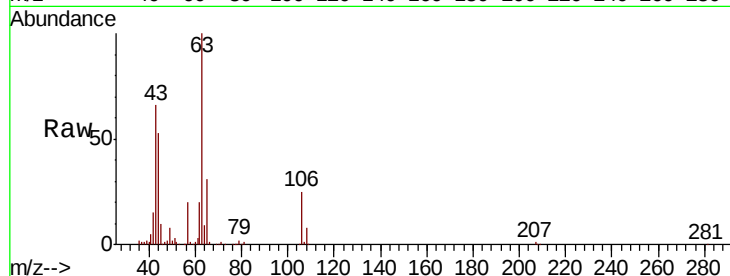
#55
2-Chloroethyl vinyl ether
Concen: 93.969 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.3	37.9
106	24.2	19.8	29.6

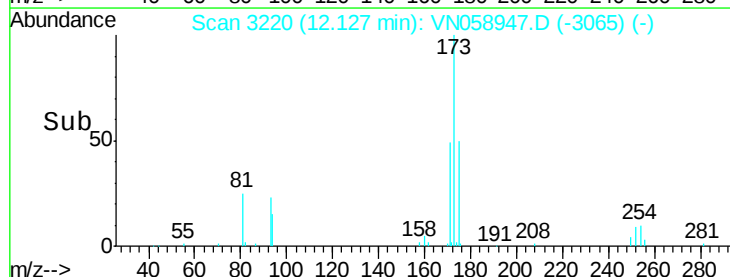
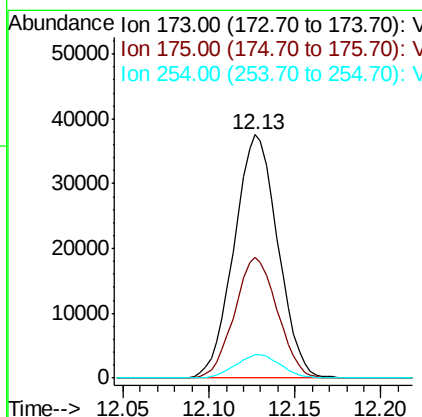
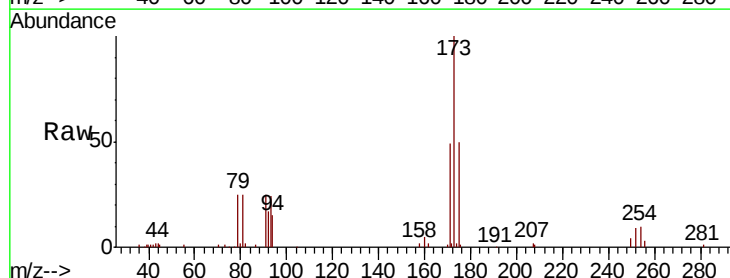
Manual Integrations
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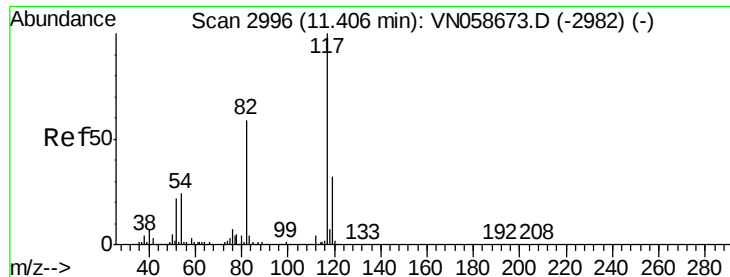
MMDadoda
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#56
Bromoform
Concen: 20.221 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	9.8	7.4	11.2





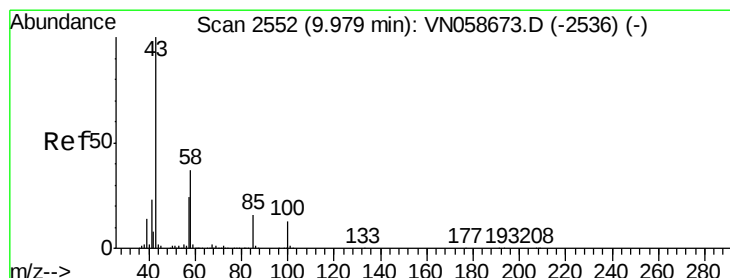
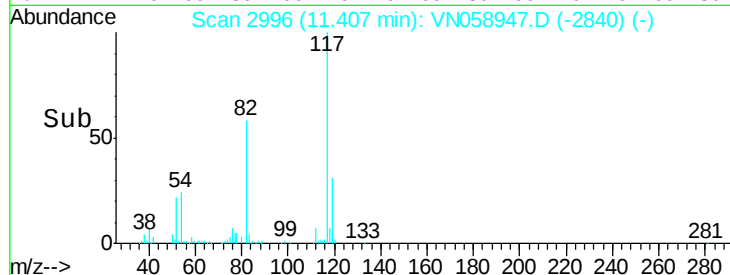
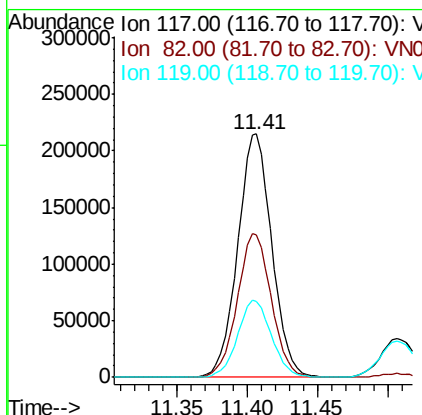
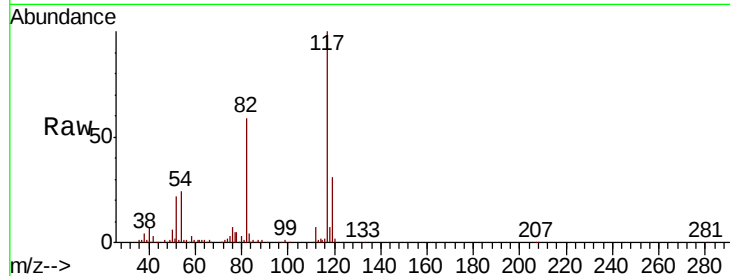
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	364228		
82	58.9	46.9	70.3	
119	31.5	25.8	38.6	

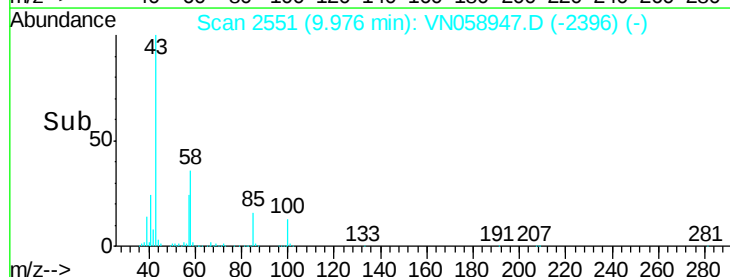
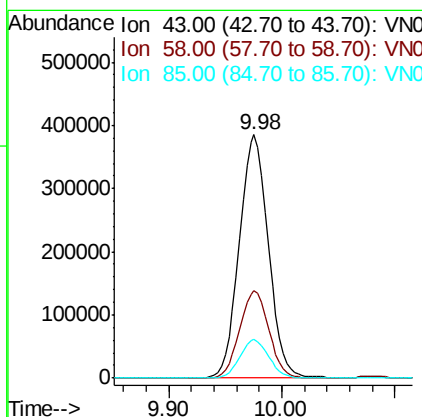
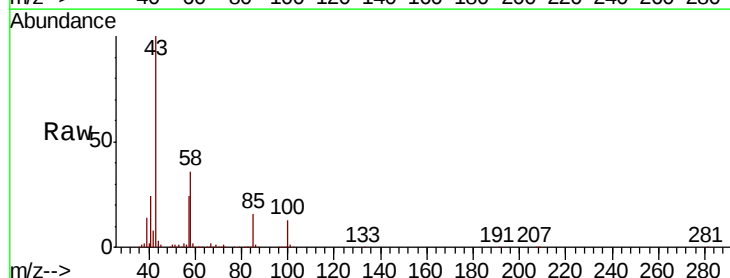
Manual Integrations
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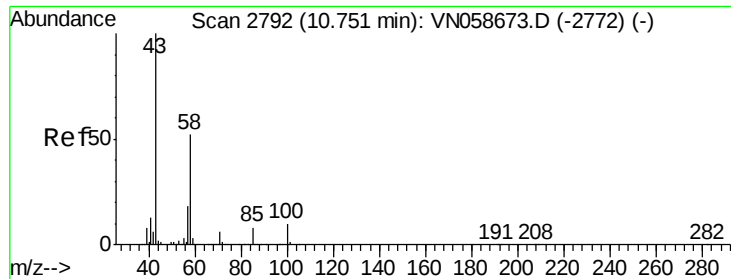
MMDadoda
10/25/2019 2:36:42 PM



#58
4-Methyl-2-Pentanone
Concen: 103.898 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	690348		
58	36.2	30.1	45.1	
85	15.8	13.2	19.8	





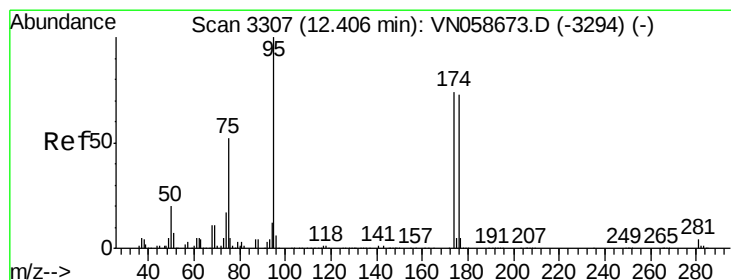
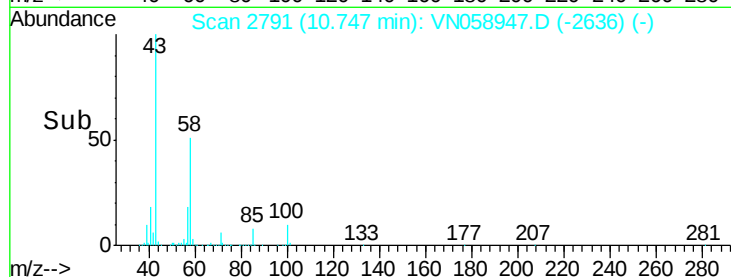
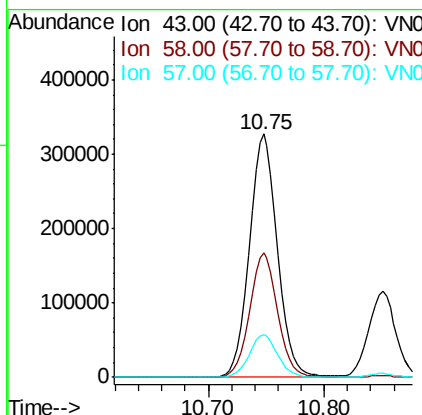
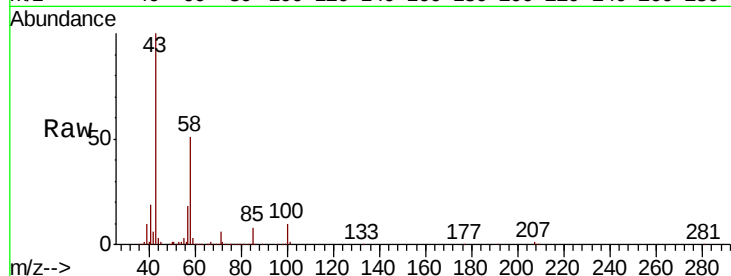
#59
2-Hexanone
Concen: 105.728 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	41.4	62.0
57	17.8	14.7	22.1

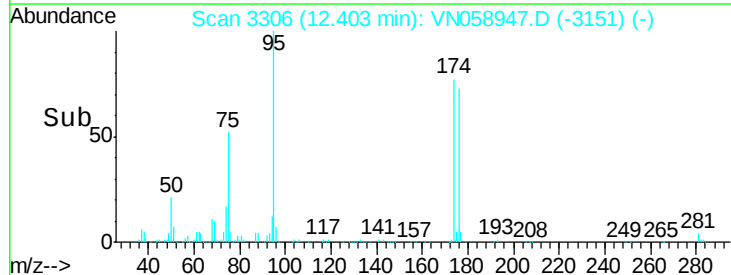
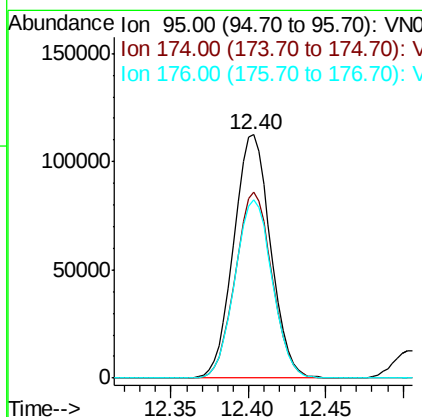
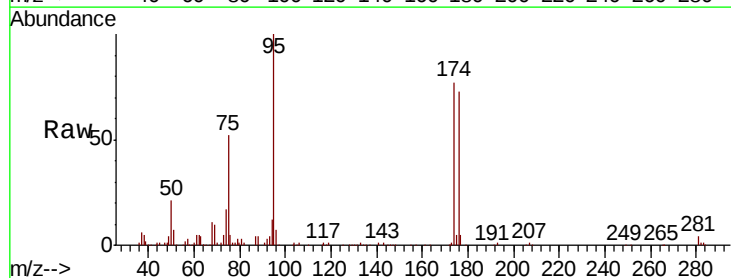
Manual Integrations
APPROVED

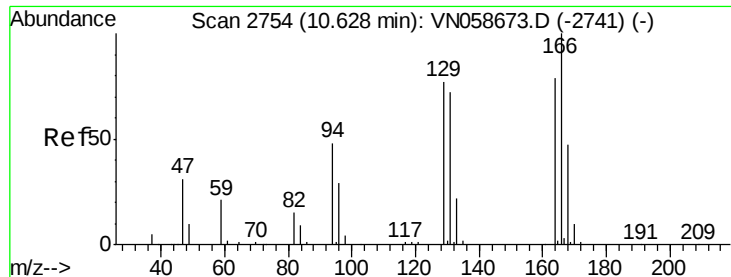
MMDadoda
10/25/2019 2:36:42 PM



#60
4-Bromofluorobenzene
Concen: 29.271 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	59.9	89.9
176	74.2	58.3	87.5





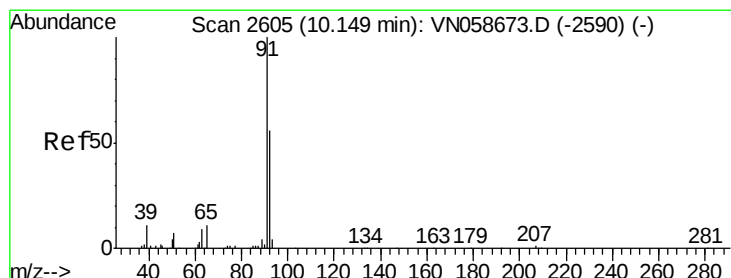
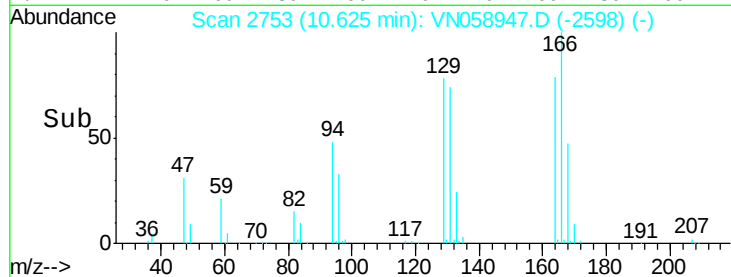
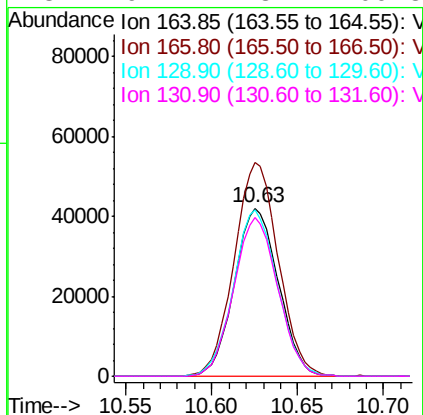
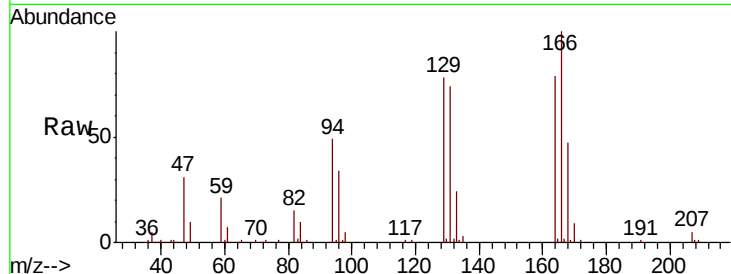
#61
Tetrachloroethene
Concen: 18.987 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.4	152.2
129	98.6	78.1	117.1
131	94.4	73.2	109.8

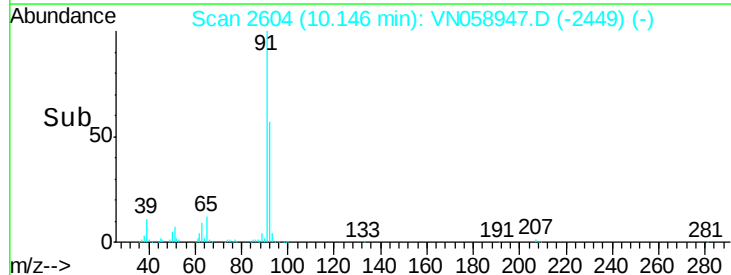
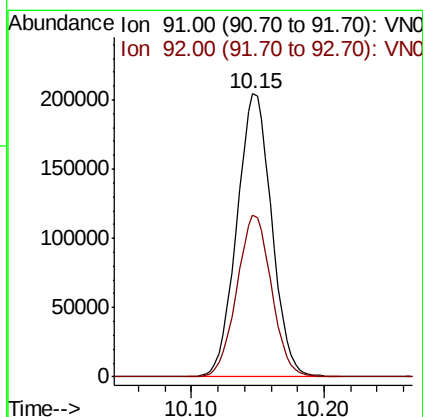
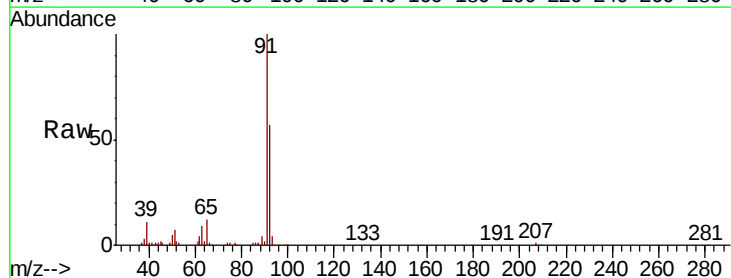
Manual Integrations
APPROVED

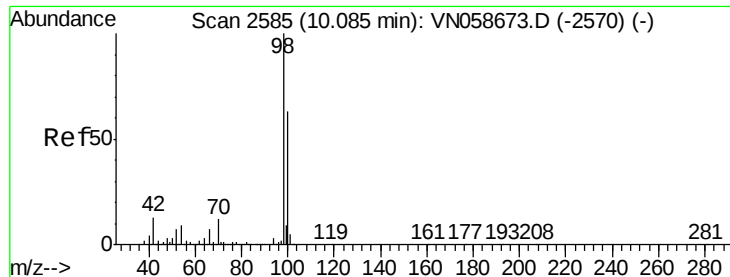
MMDadoda
10/25/2019 2:36:42 PM



#62
Toluene
Concen: 19.011 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.4	68.2





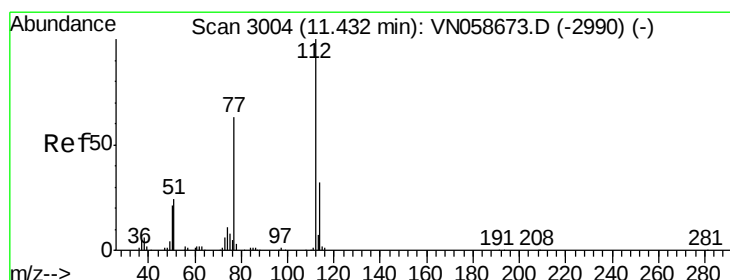
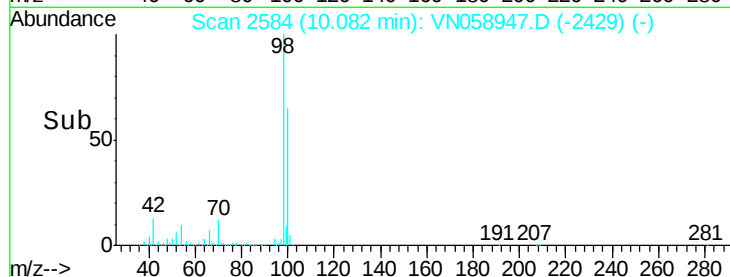
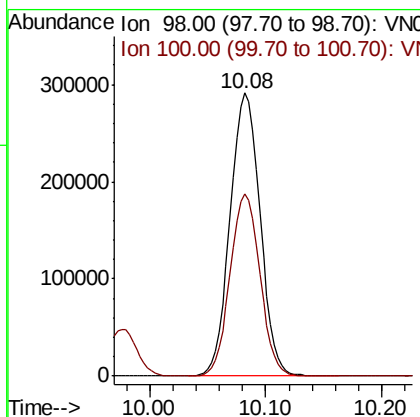
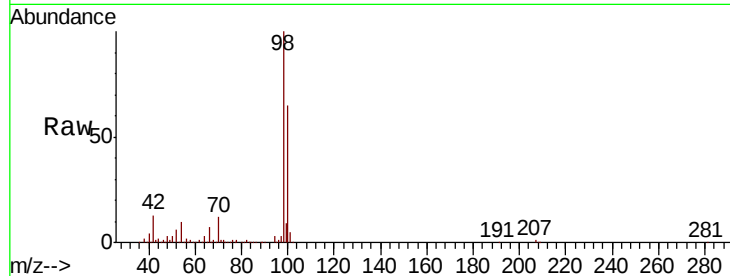
#63
Toluene-d8
Concen: 30.494 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 524420
Ion Ratio Lower Upper
98 100
100 64.0 50.6 75.8

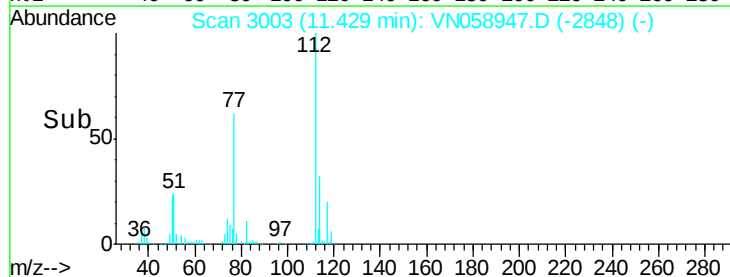
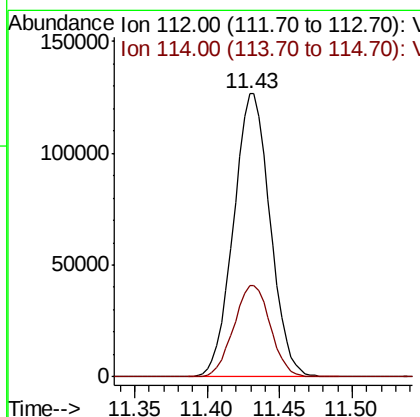
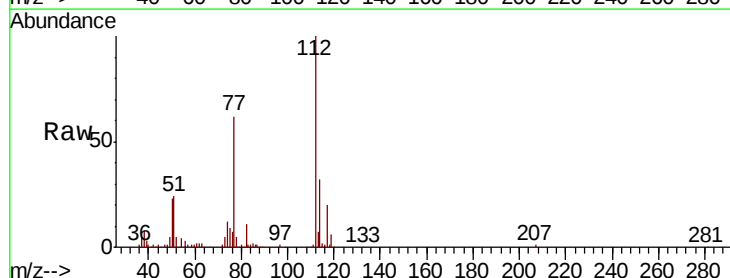
Manual Integrations
APPROVED

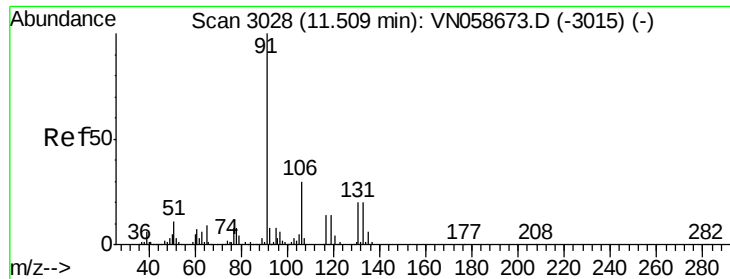
MMDadoda
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#64
Chlorobenzene
Concen: 18.551 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 112 Resp: 222209
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5





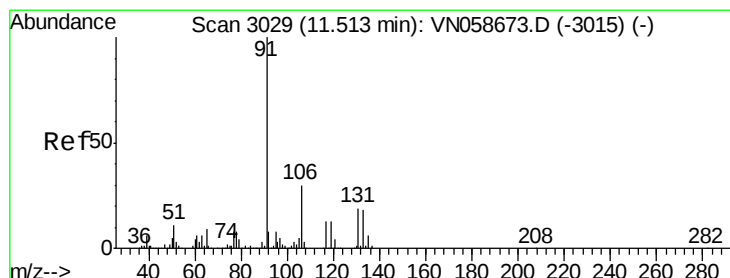
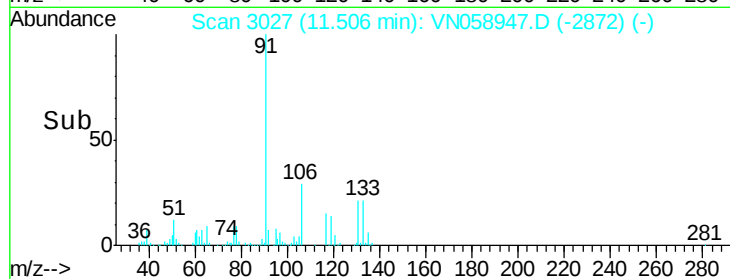
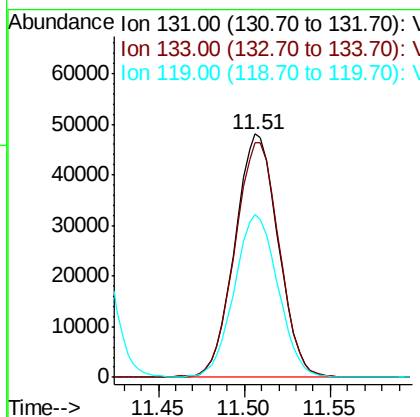
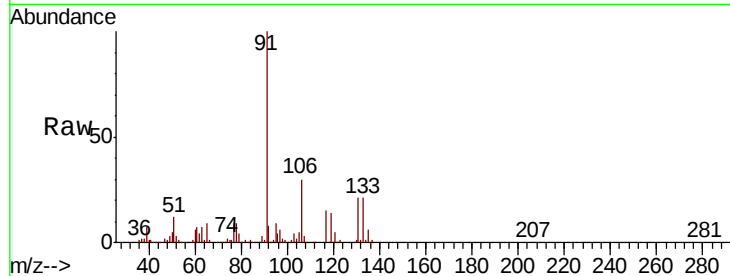
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.691 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.6	0.0	194.0
119	67.7	0.0	136.8

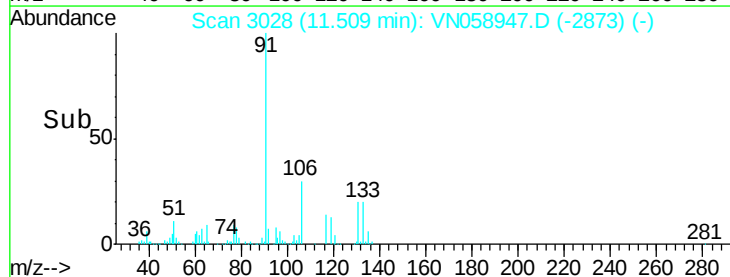
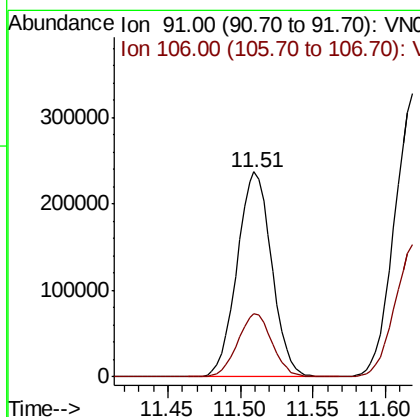
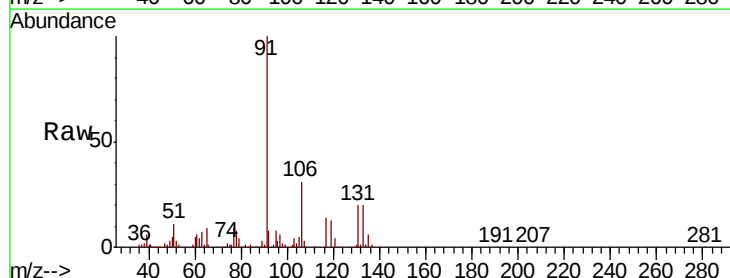
Manual Integrations
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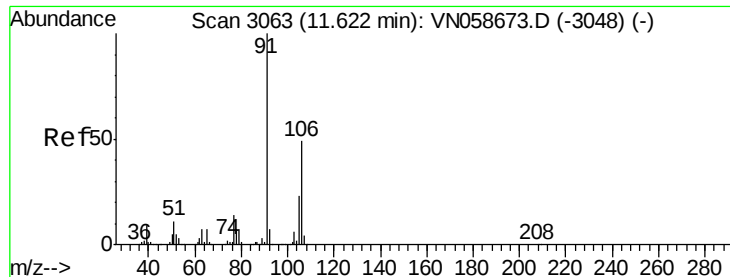
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#66
 Ethyl Benzene
 Concen: 18.137 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4





#67

m/p-Xylenes

Concen: 36.225 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 293605

Ion Ratio Lower Upper

106 100

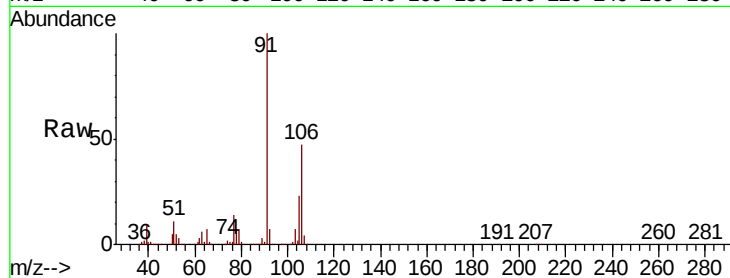
91 211.7 165.6 248.4

Manual Integrations

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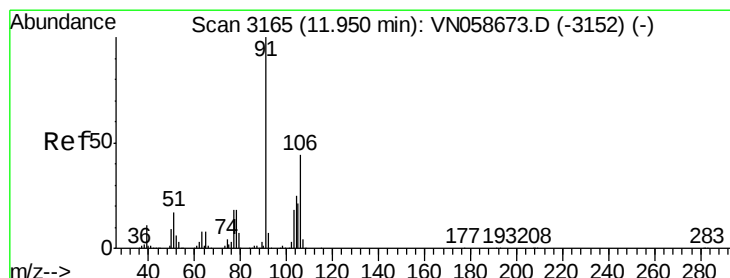
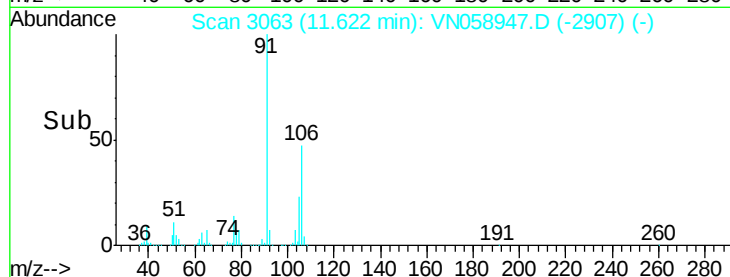
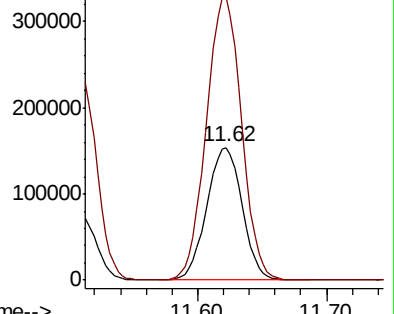
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 17.697 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058947.D

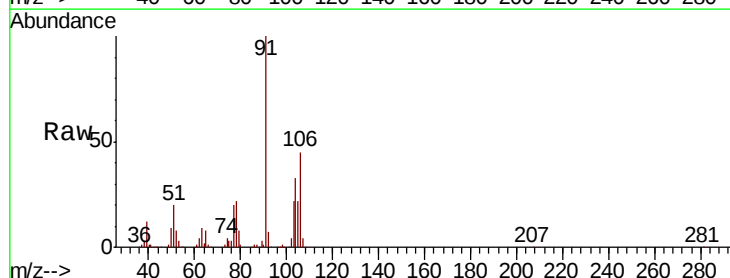
Acq: 24 Oct 2019 9:49

Tgt Ion:106 Resp: 139049

Ion Ratio Lower Upper

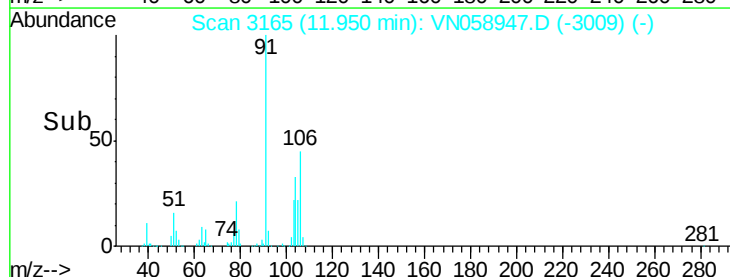
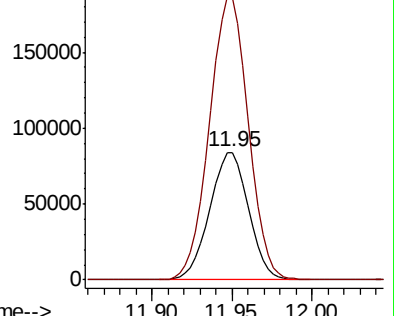
106 100

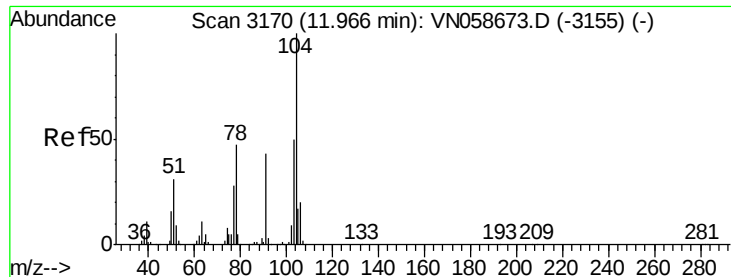
91 222.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





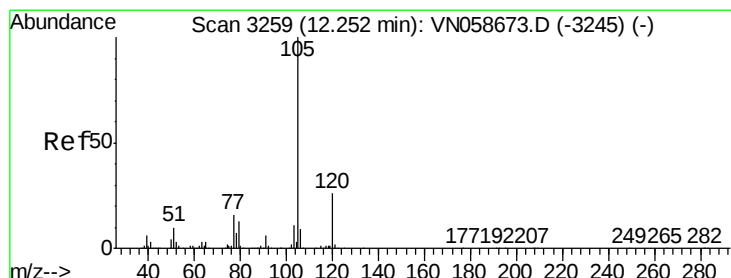
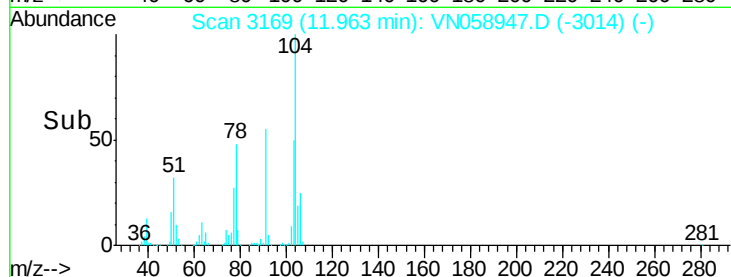
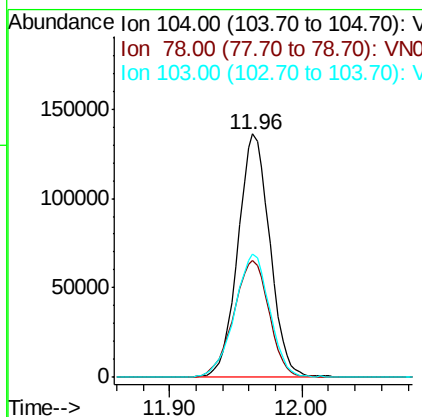
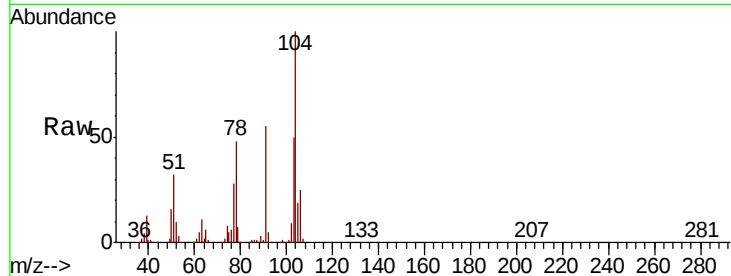
#69
Stvrene
Concen: 17.592 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.4	63.6
103	55.3	44.6	66.8

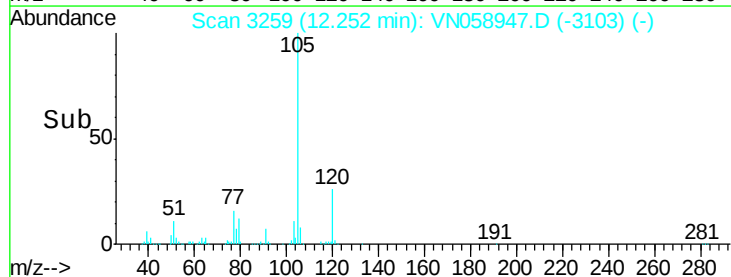
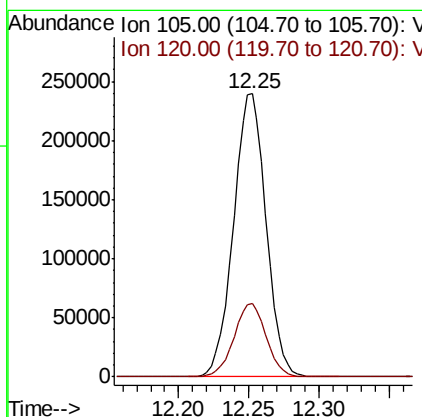
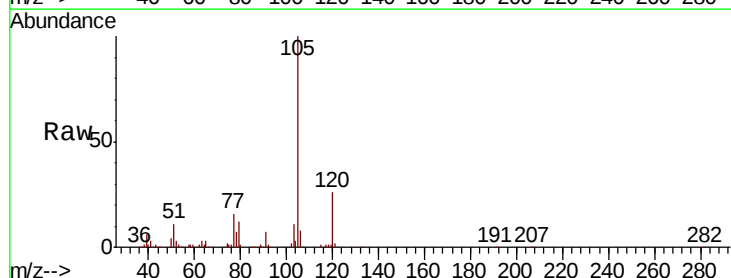
Manual Integrations
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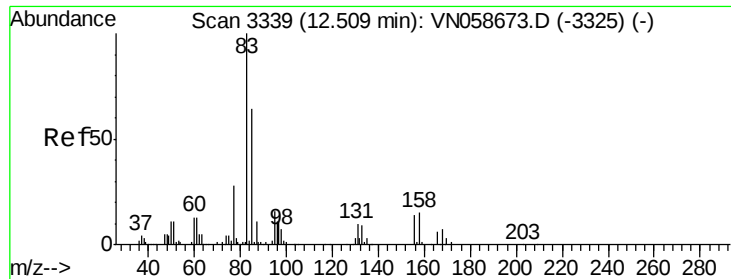
MMDadoda
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#70
Isopropylbenzene
Concen: 18.241 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.4	34.2





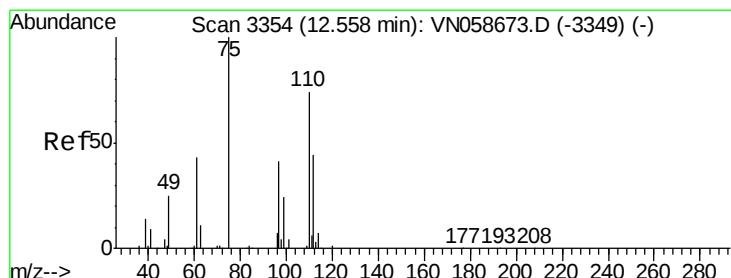
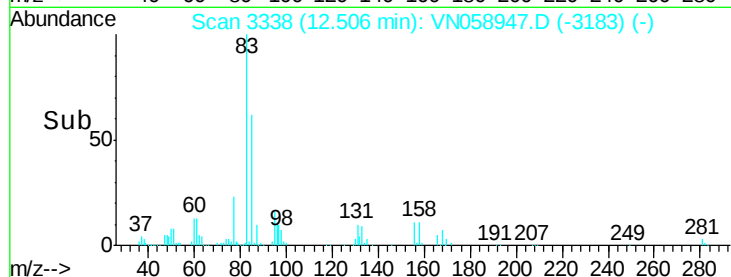
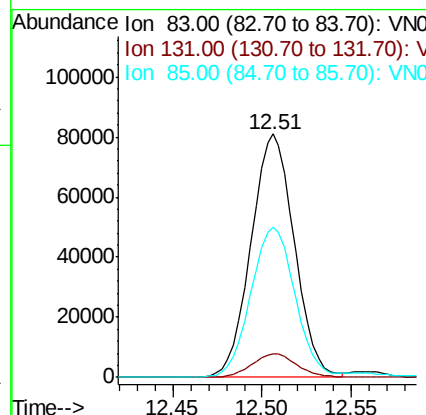
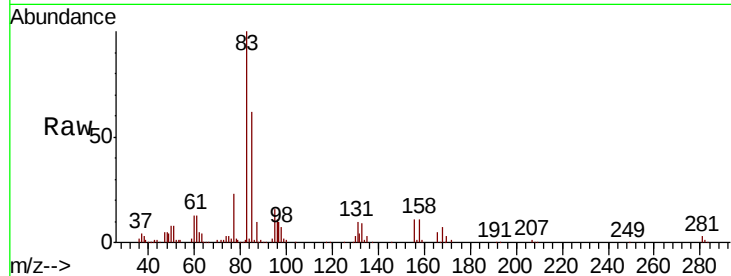
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.234 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.9	4.9	14.7	
85	63.2	31.6	94.7	

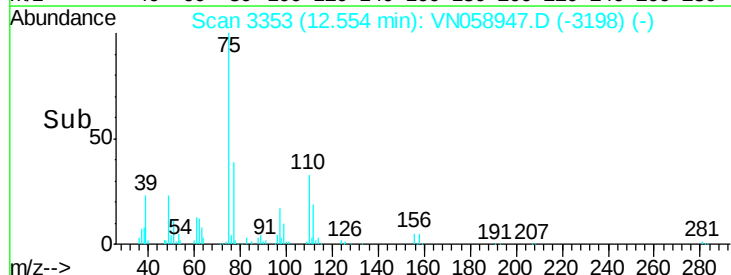
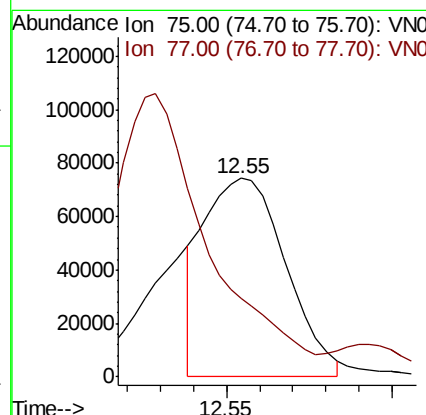
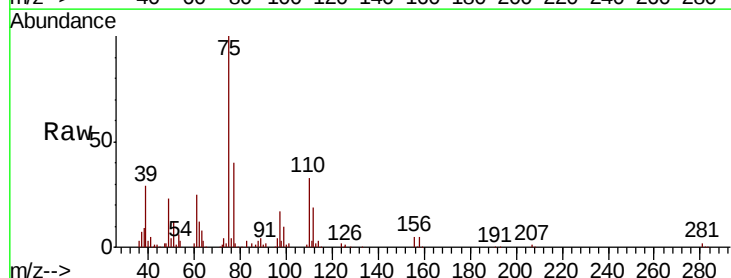
Manual Integrations
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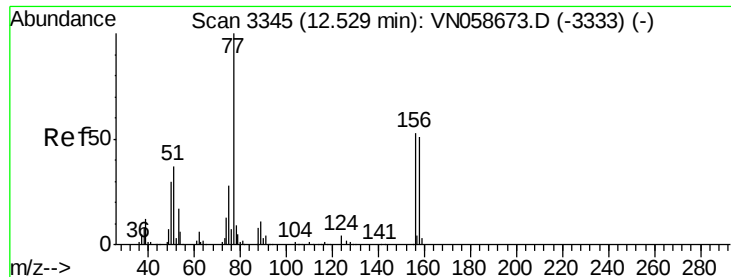
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 19.607 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	173.3	0.0	359.4	





#73

Bromobenzene

Concen: 18.420 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

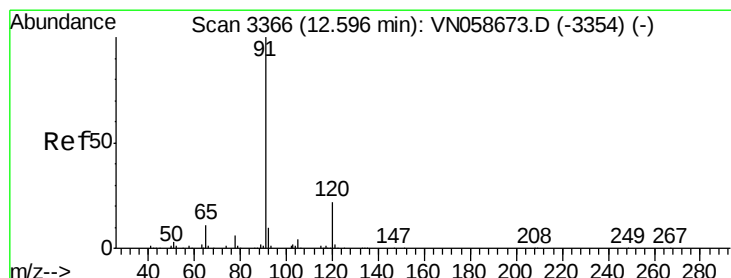
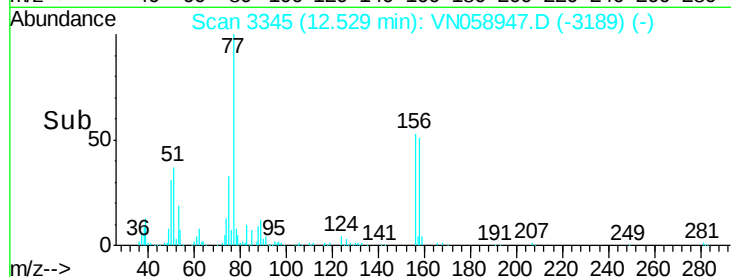
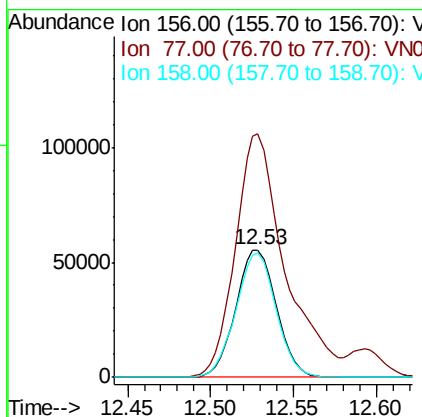
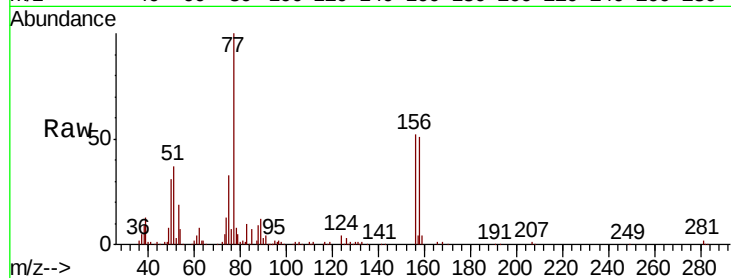
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.7	0.0	456.0
158	96.5	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 18.674 ug/l

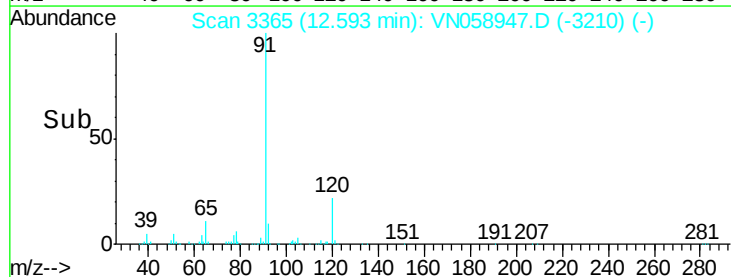
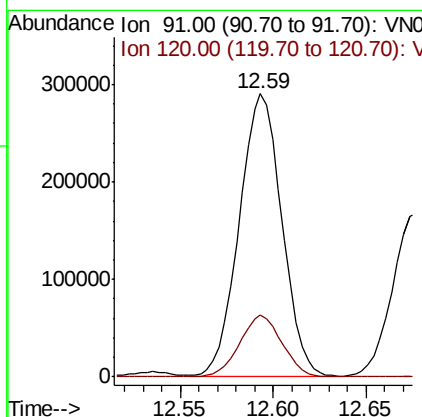
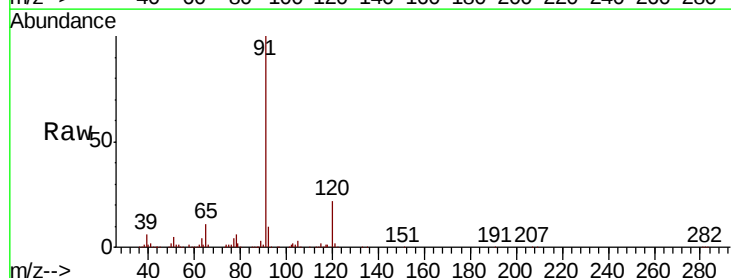
RT: 12.59 min Scan# 3365

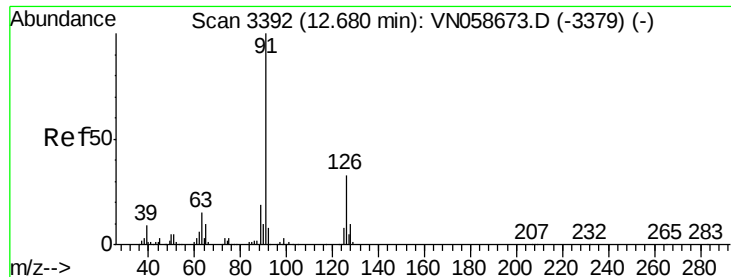
Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	43.6





#75

2-Chlorotoluene

Concen: 18.564 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 277340

Ion Ratio Lower Upper

91 100

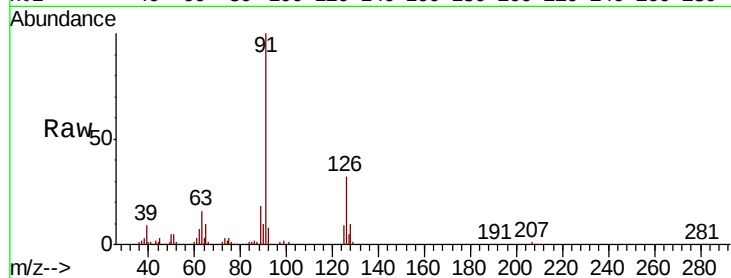
126 32.2 0.0 65.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058673.D (-3379) (-)

300000

250000

200000

150000

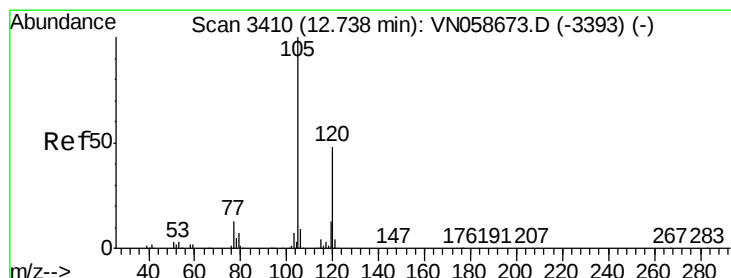
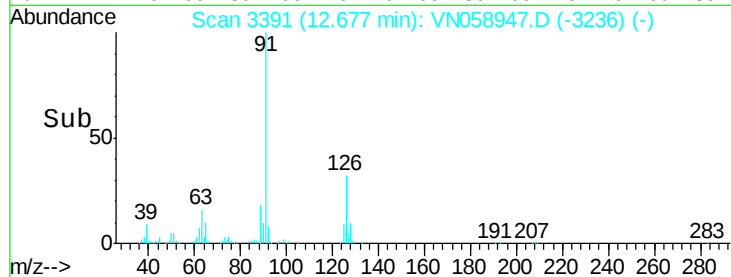
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.063 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058947.D

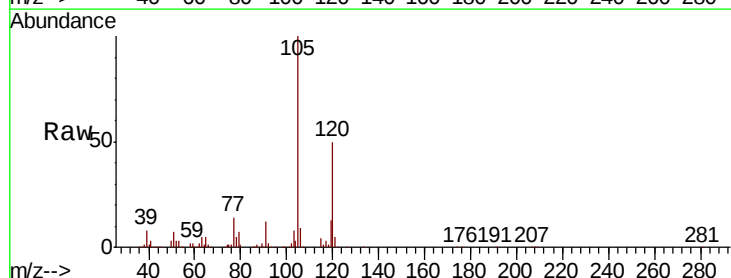
Acq: 24 Oct 2019 9:49

Tgt Ion: 105 Resp: 328198

Ion Ratio Lower Upper

105 100

120 48.3 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058673.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058673.D (-3393) (-)

200000

150000

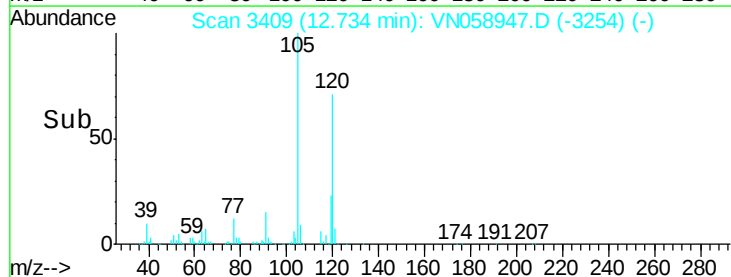
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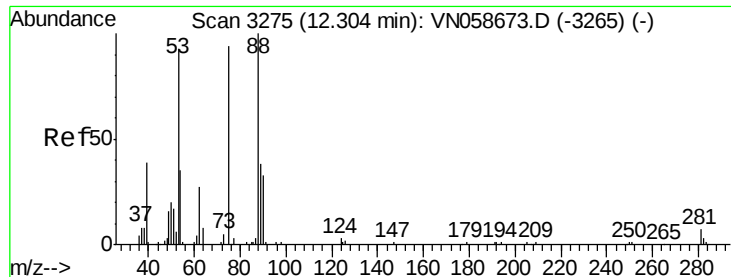
50000

0

12.65 12.70 12.75 12.80

Time-->





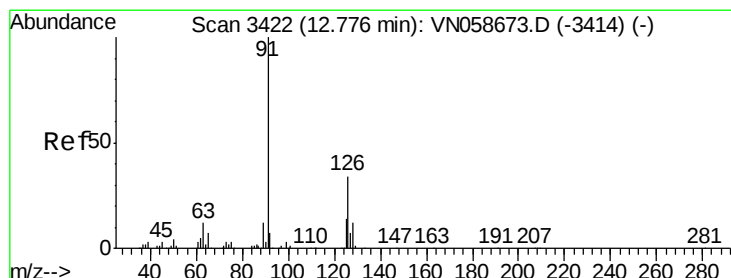
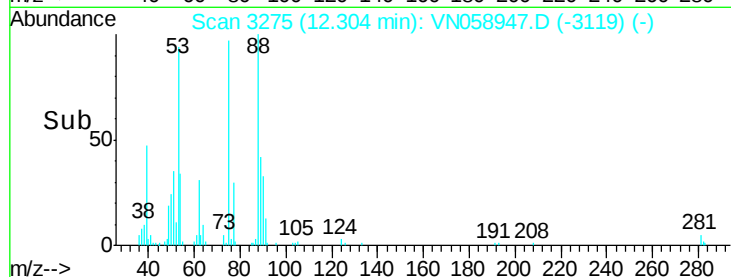
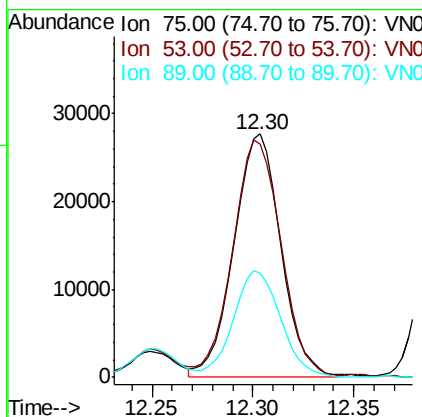
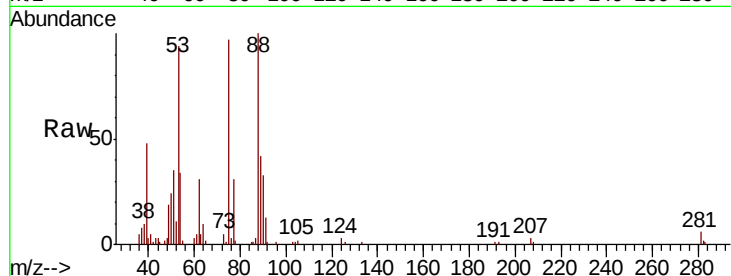
#77
t-1,4-Dichloro-2-butene
Concen: 18.251 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	50.0	150.0
89	43.3	20.7	62.1

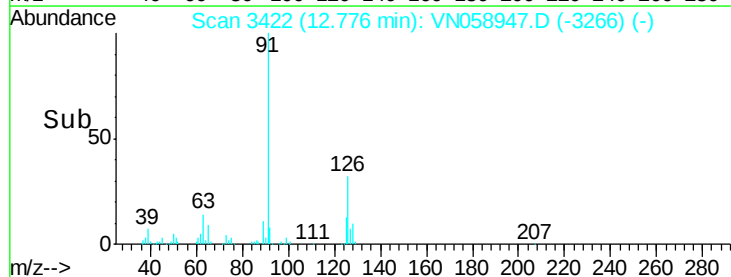
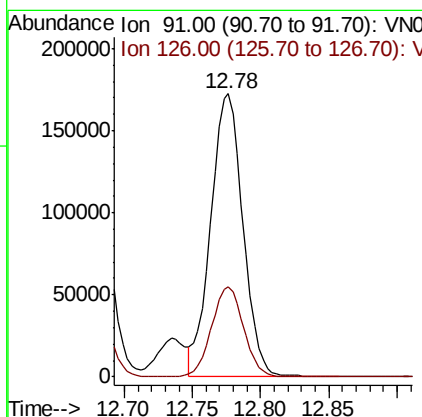
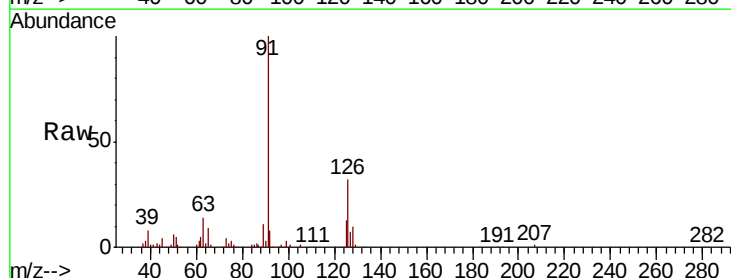
Manual Integrations
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#78
4-Chlorotoluene
Concen: 18.245 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	63.4





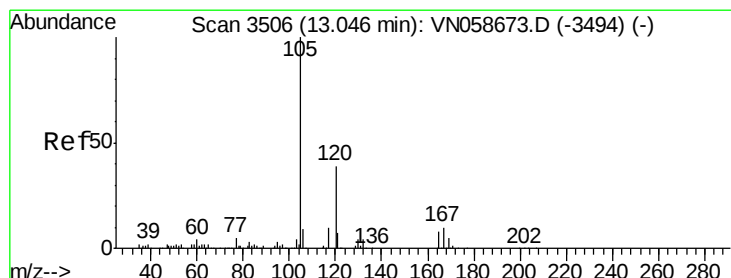
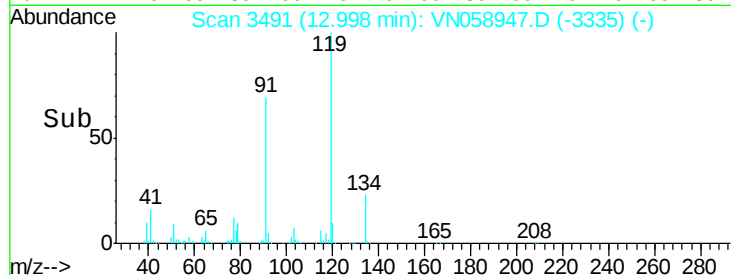
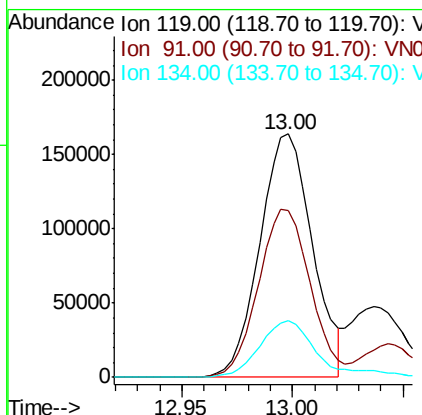
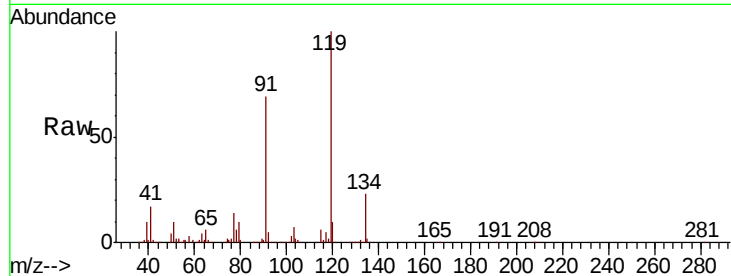
#79
tert-butylbenzene
Concen: 17.435 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	270637		
91	67.9	0.0	136.4	
134	23.8	0.0	47.2	

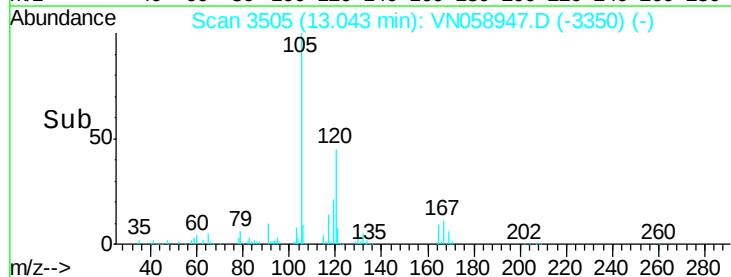
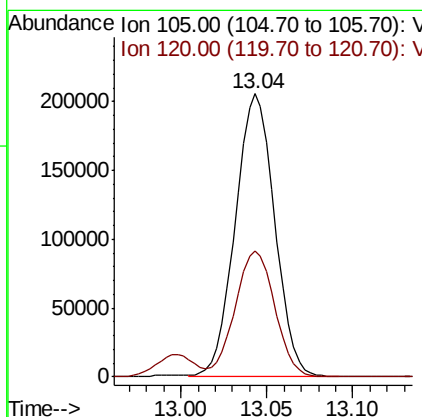
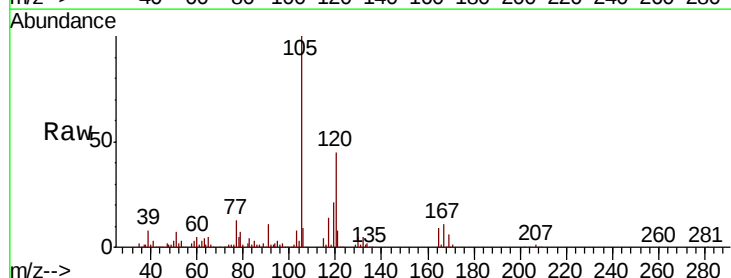
Manual Integrations
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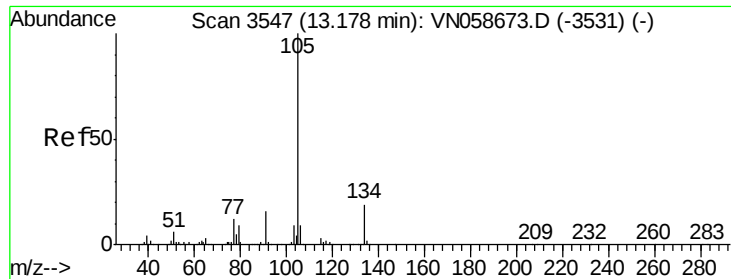
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#80
1,2,4-Trimethylbenzene
Concen: 18.167 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	328002		
120	44.8	0.0	89.2	





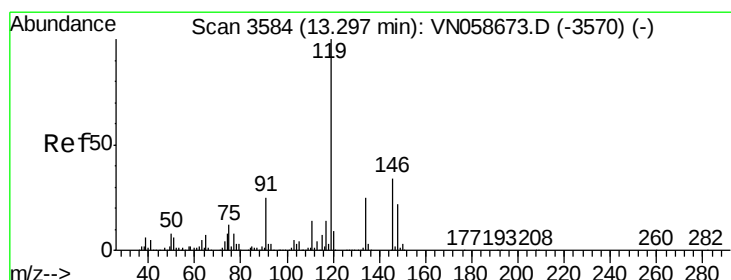
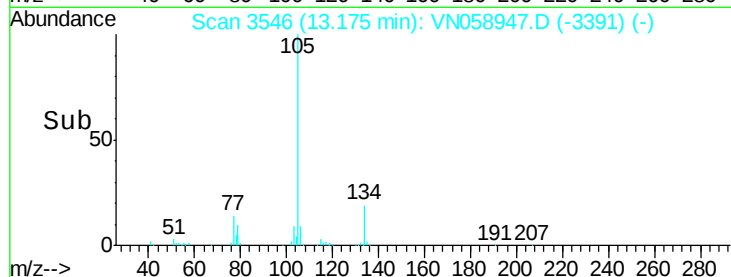
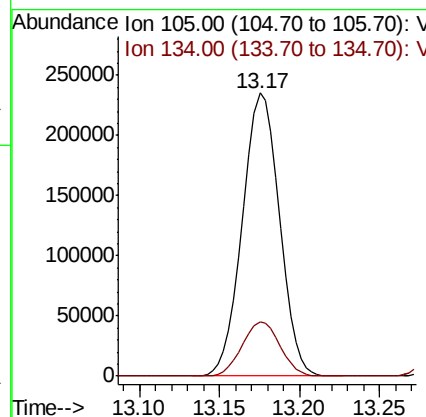
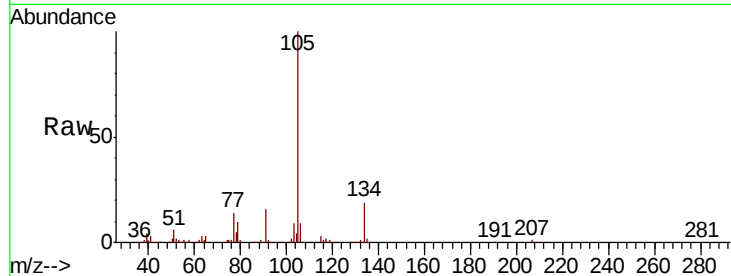
#81
 sec-Butylbenzene
 Concen: 17.798 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	38.0

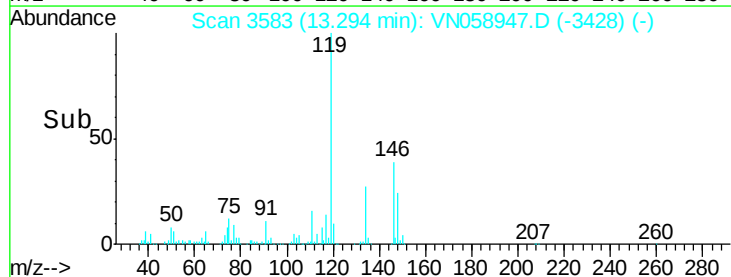
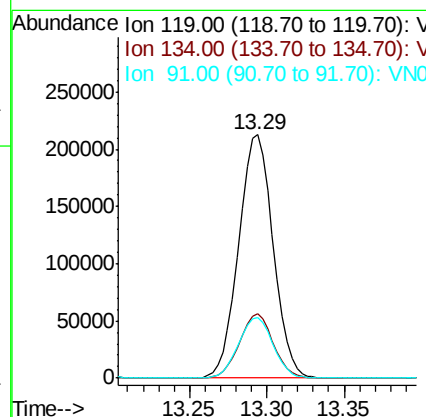
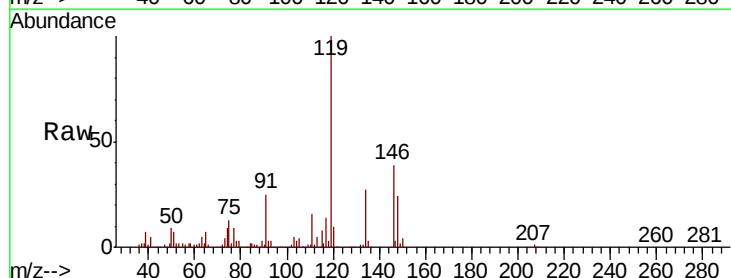
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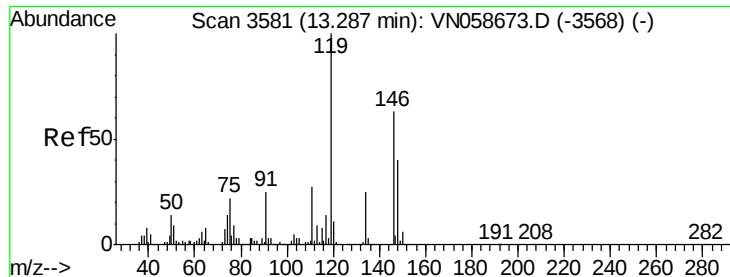
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#82
 p-Isopropyltoluene
 Concen: 17.481 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	50.8
91	25.2	0.0	49.4





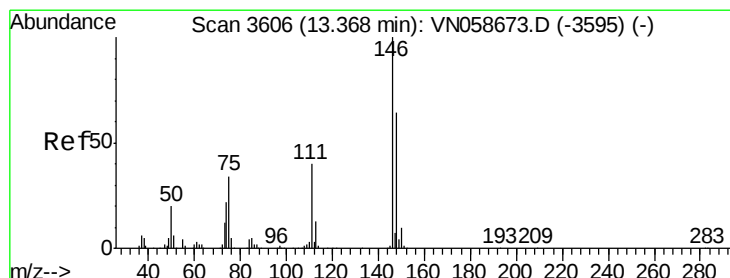
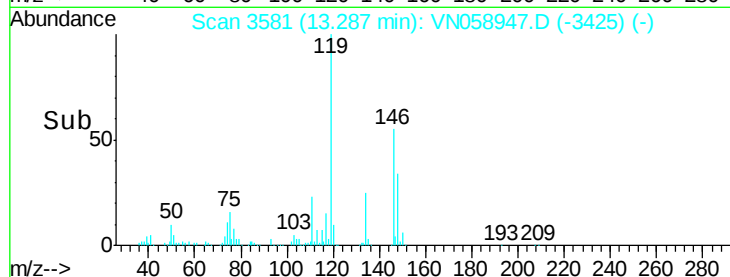
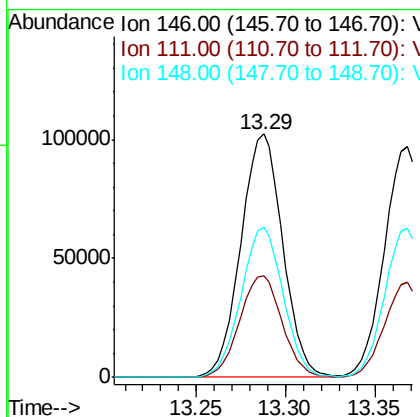
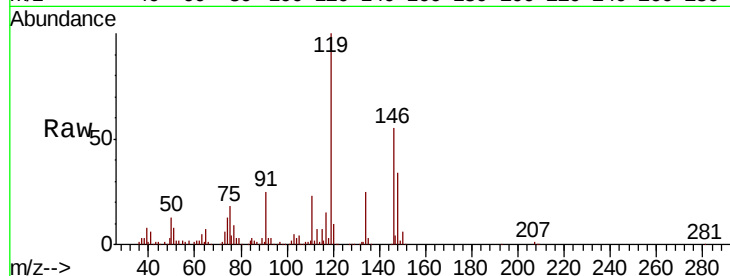
#83
1,3-Dichlorobenzene
Concen: 18.106 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	61.8	31.7	95.1

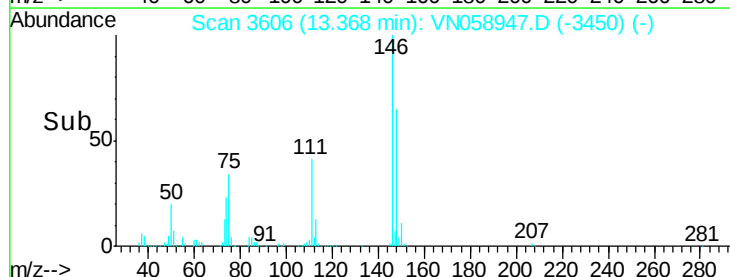
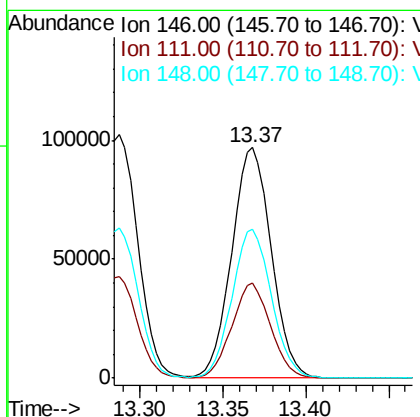
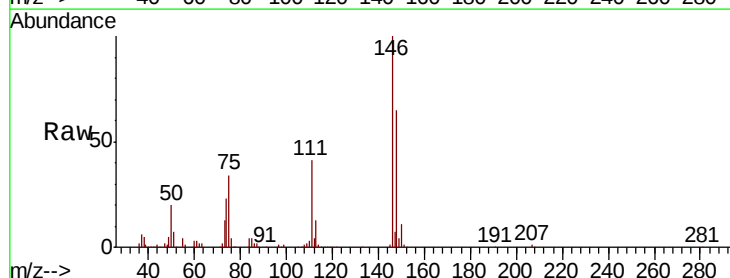
Manual Integrations
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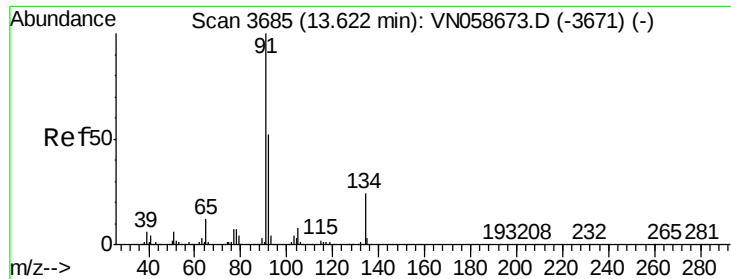
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#84
1,4-Dichlorobenzene
Concen: 17.174 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.8	59.4
148	64.7	31.6	94.8





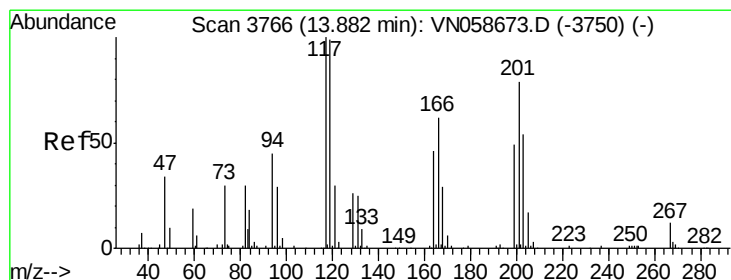
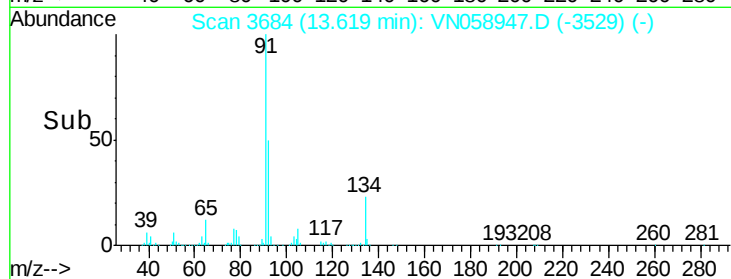
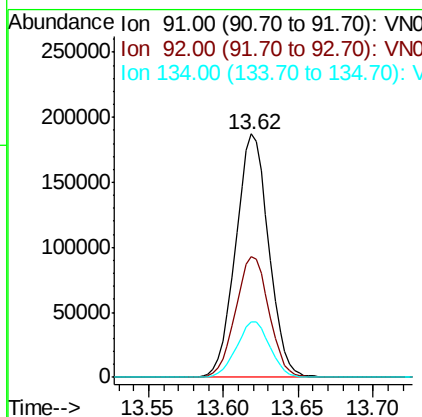
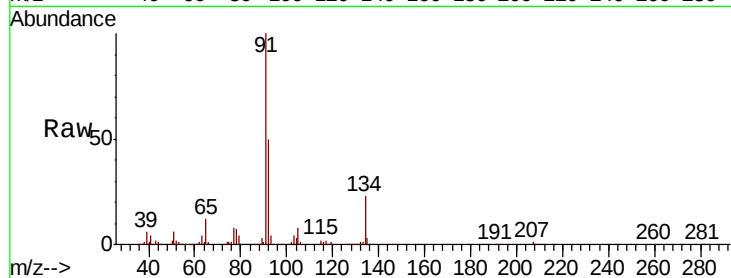
#85
n-Butylbenzene
Concen: 16.778 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	0.0	102.8
134	23.1	0.0	48.6

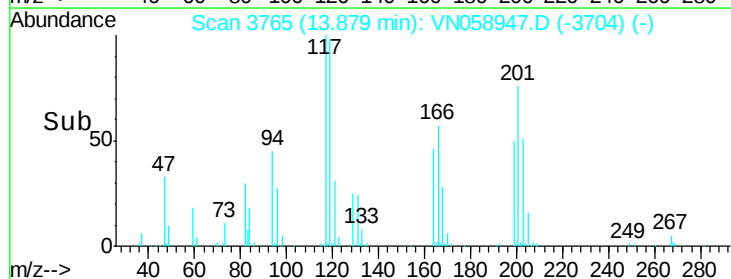
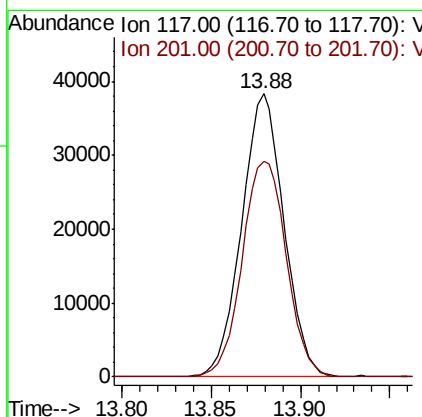
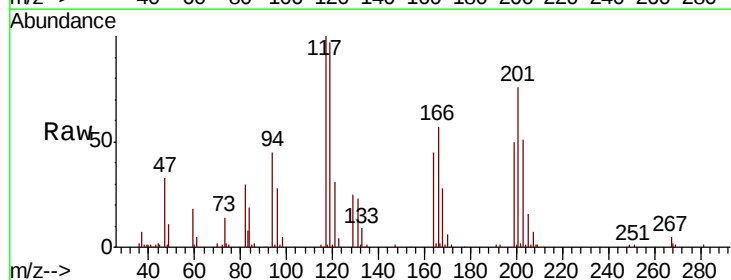
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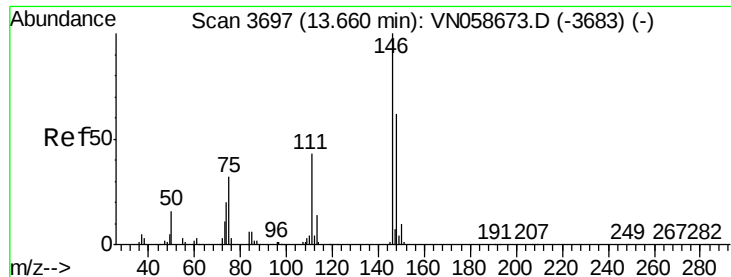
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#86
Hexachloroethane
Concen: 18.613 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.4	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 18.257 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

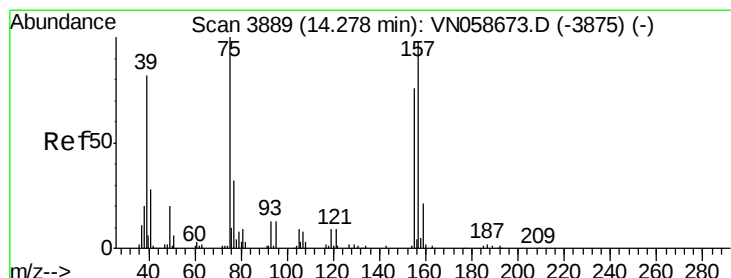
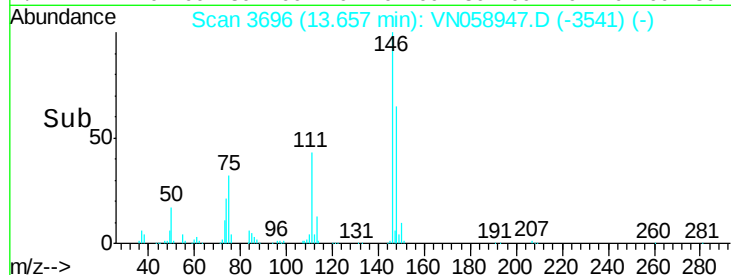
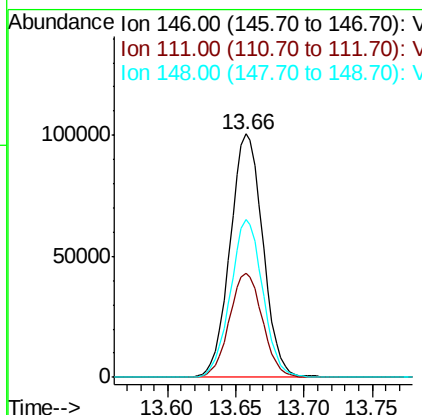
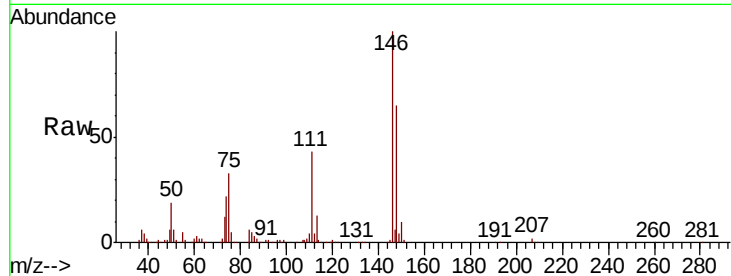
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	168048
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.8	65.4
148	63.8	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.649 ug/l

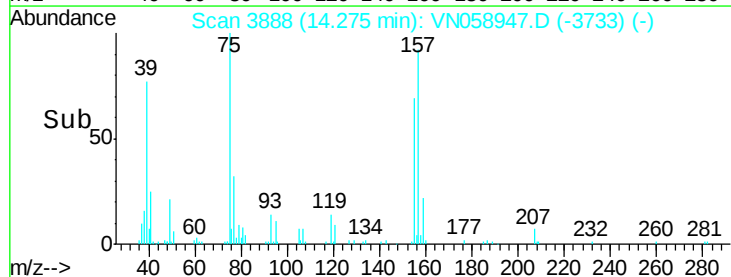
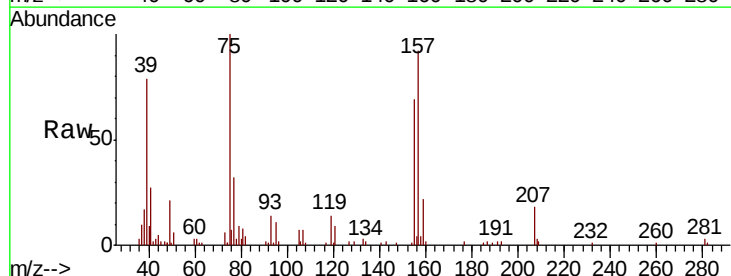
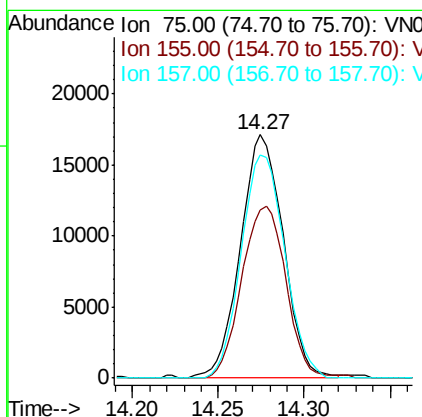
RT: 14.27 min Scan# 3888

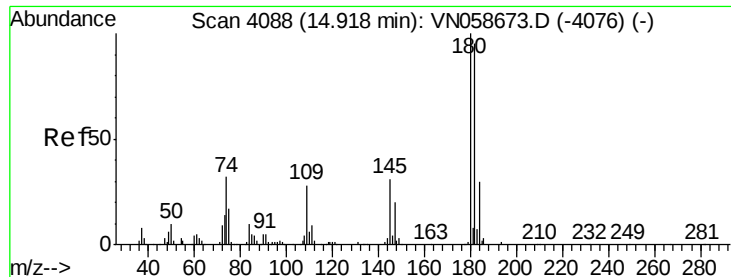
Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Tgt Ion:	75	Resp:	29644
Ion Ratio	Lower	Upper	
75	100		
155	72.3	58.3	87.5
157	93.1	75.0	112.6





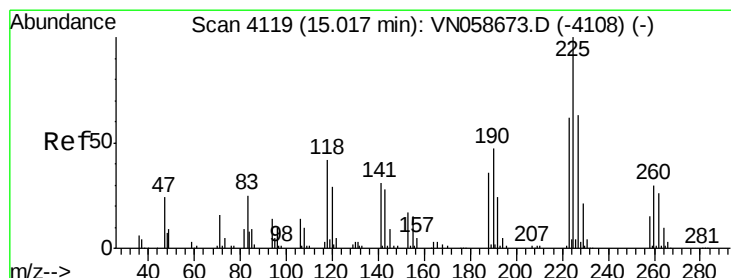
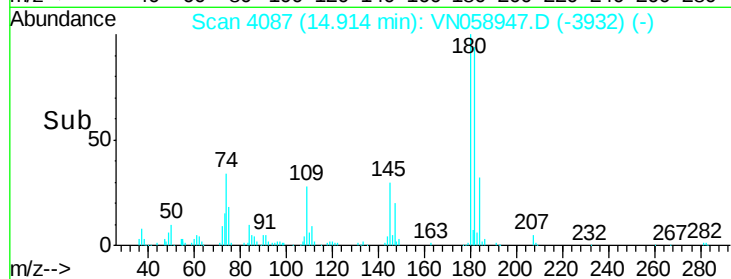
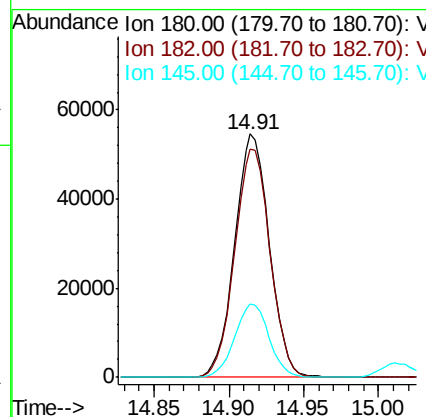
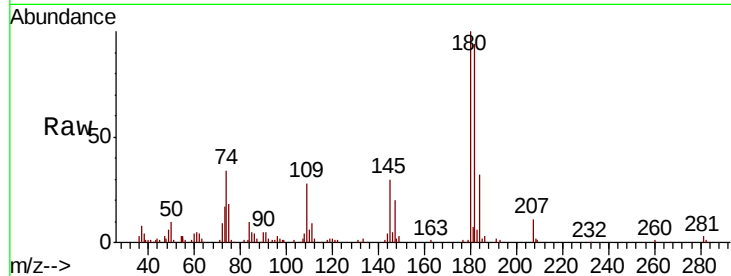
#89
 1,2,4-Trichlorobenzene
 Concen: 15.196 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.3	112.9
145	29.9	24.8	37.2

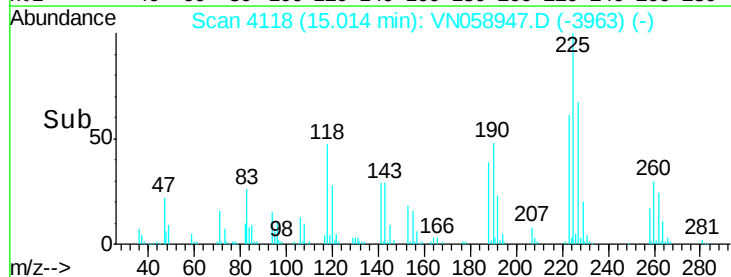
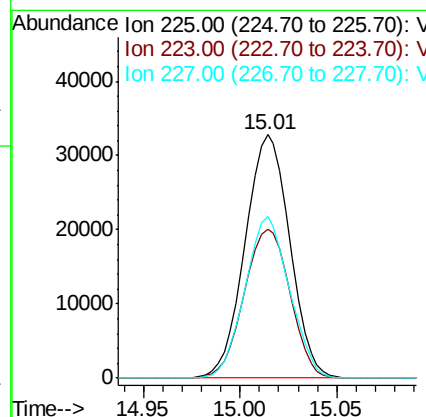
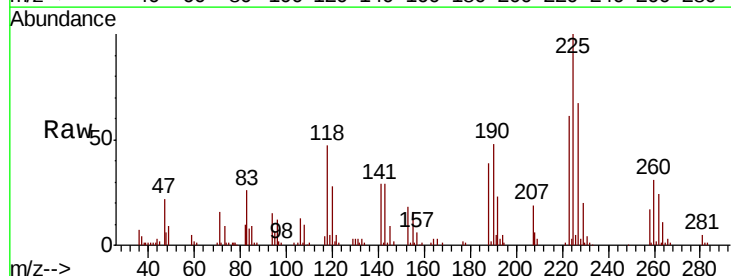
Manual Integrations
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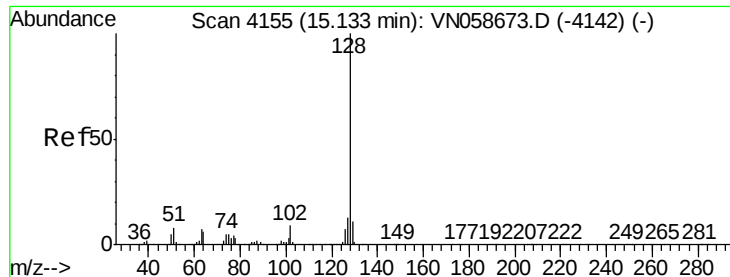
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#90
 Hexachlorobutadiene
 Concen: 17.599 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	0.0	126.2
227	65.9	0.0	127.0





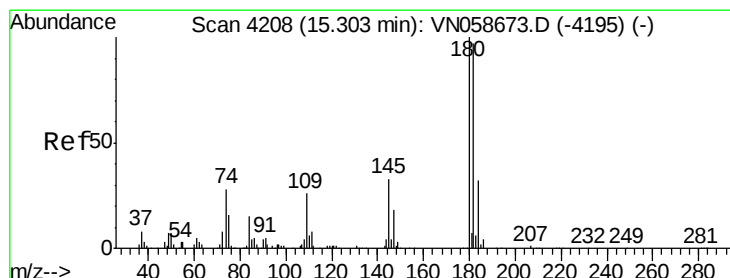
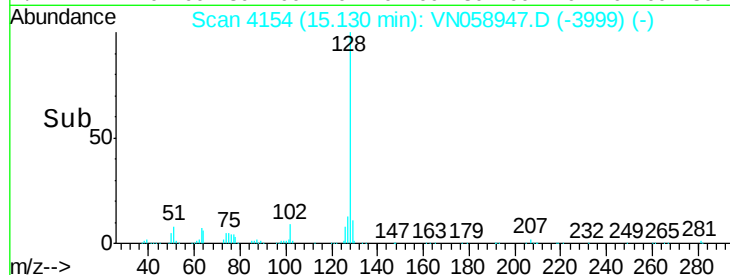
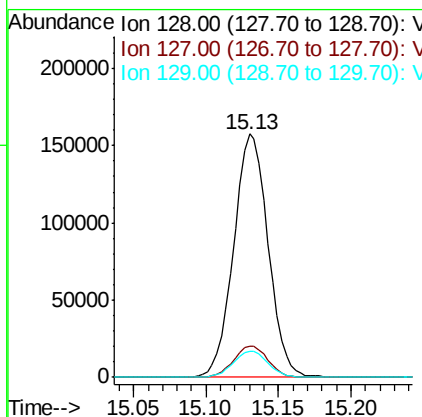
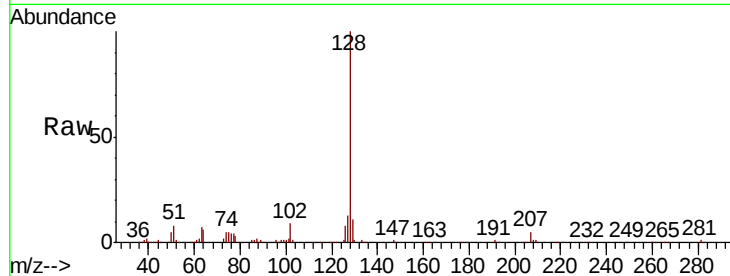
#91
Naphthalene
Concen: 15.112 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 16.360 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	193.4
145	33.3	0.0	65.8

