

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058696.D
 Acq On : 11 Oct 2019 12:14
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:17 AM

Quant Time: Oct 11 23:44:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	714892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	660995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	132461	20.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.52%	
35) Dibromofluoromethane	7.57	113	95097	21.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.50%	
50) Toluene-d8	10.08	98	375967	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
62) 4-Bromofluorobenzene	12.40	95	136700	21.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117250	23.706	ug/l	99
3) Chloromethane	2.04	50	131996	23.952	ug/l	100
4) Vinyl Chloride	2.17	62	132985	24.550	ug/l	99
5) Bromomethane	2.54	94	81408	27.355	ug/l	99
6) Chloroethane	2.69	64	81831	25.153	ug/l	99
7) Trichlorofluoromethane	3.00	101	159488	24.671	ug/l	99
8) Diethyl Ether	3.39	74	58382	21.452	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92388	21.691	ug/l	99
10) Methyl Iodide	3.93	142	119898	24.201	ug/l #	95
11) Tert butyl alcohol	4.76	59	99886	130.592	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87435	21.058	ug/l	92
13) Acrolein	3.59	56	78190	227.637	ug/l	98
14) Allyl chloride	4.30	41	169799	22.100	ug/l	99
15) Acrylonitrile	4.96	53	256359	118.746	ug/l	100
16) Acetone	3.80	43	264413	117.367	ug/l	98
17) Carbon Disulfide	4.03	76	269633	23.956	ug/l	98
18) Methyl Acetate	4.30	43	129051	22.611	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	306417	20.770	ug/l	97
20) Methylene Chloride	4.53	84	104571	20.536	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	96224	20.764	ug/l	94
22) Diisopropyl ether	5.93	45	339736	20.756	ug/l	96
23) Vinyl Acetate	5.87	43	1439657	115.677	ug/l	100
24) 1,1-Dichloroethane	5.82	63	193696	21.067	ug/l	99
25) 2-Butanone	6.81	43	371666	119.167	ug/l	98
26) 2,2-Dichloropropane	6.80	77	171577	22.478	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	108688	20.166	ug/l	99
28) Bromochloromethane	7.17	49	66480	18.570	ug/l	98
29) Tetrahydrofuran	7.19	42	238863	120.087	ug/l	99
30) Chloroform	7.36	83	190752	20.563	ug/l	97
31) Cyclohexane	7.64	56	184192	20.653	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	165538	21.565	ug/l	99
36) 1,1-Dichloropropene	7.78	75	146516	21.309	ug/l	99
37) Ethyl Acetate	6.91	43	152468	25.265	ug/l	97
38) Carbon Tetrachloride	7.76	117	145134	23.078	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	169352	21.033	ug/l	98
40) Benzene	8.03	78	421510	21.339	ug/l	100
41) Methacrylonitrile	7.16	41	71254m	25.181	ug/l	
42) 1,2-Dichloroethane	8.11	62	163158	21.240	ug/l	100
43) Isopropyl Acetate	8.15	43	246706	22.073	ug/l	99
44) Trichloroethene	8.82	130	103524	21.256	ug/l	100
45) 1,2-Dichloropropane	9.11	63	113014	21.311	ug/l	96
46) Dibromomethane	9.20	93	71936	21.374	ug/l	98
47) Bromodichloromethane	9.39	83	144118	22.423	ug/l	99
48) Methyl methacrylate	9.19	41	112819	22.216	ug/l	99
49) 1,4-Dioxane	9.18	88	35014	506.858	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	756463	129.231	ug/l	98
52) Toluene	10.15	92	254921	20.466	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	164149	23.394	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	178485	23.054	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	101526	22.312	ug/l	97
56) Ethyl methacrylate	10.43	69	152466	21.925	ug/l	99
57) 1,3-Dichloropropane	10.71	76	179735	22.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	374351	130.096	ug/l	100
59) 2-Hexanone	10.75	43	576146	133.671	ug/l	98
60) Dibromochloromethane	10.90	129	108903	24.783	ug/l	99
61) 1,2-Dibromoethane	11.00	107	102737	22.007	ug/l	99
64) Tetrachloroethene	10.63	164	91202	21.450	ug/l	98
65) Chlorobenzene	11.44	112	270974	20.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99862	22.308	ug/l	98
67) Ethyl Benzene	11.51	91	496944	20.831	ug/l	100
68) m/p-Xylenes	11.62	106	367562	40.947	ug/l	98
69) o-Xylene	11.95	106	171648	19.920	ug/l	99
70) Styrene	11.97	104	284669	20.334	ug/l	99
71) Bromoform	12.13	173	71750	25.061	ug/l #	99
73) Isopropylbenzene	12.25	105	480096	20.839	ug/l	99
74) N-amyl acetate	12.07	43	210854	22.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	152525	21.985	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	141013m	24.176	ug/l	
77) Bromobenzene	12.53	156	111794	20.629	ug/l	100
78) n-propylbenzene	12.59	91	572251	21.956	ug/l	99
79) 2-Chlorotoluene	12.68	91	336288	20.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	412158	21.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49085	24.551	ug/l	94
82) 4-Chlorotoluene	12.78	91	346476	21.071	ug/l	99
83) tert-Butylbenzene	13.00	119	347028	21.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	411149	21.216	ug/l	100
85) sec-Butylbenzene	13.18	105	471208	21.859	ug/l	100
86) p-Isopropyltoluene	13.29	119	422286	22.155	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	208074	21.097	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	208494	21.284	ug/l	99
89) n-Butylbenzene	13.62	91	382510	22.022	ug/l	99
90) Hexachloroethane	13.88	117	73742	25.178	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	204960	21.592	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	33488	26.512	ug/l	97

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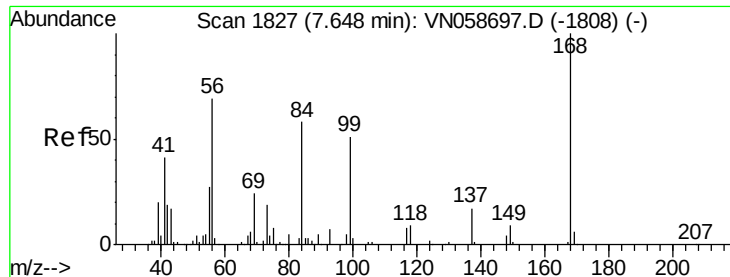
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	123965	23.417	ug/l	100
94) Hexachlorobutadiene	15.01	225	65502	23.753	ug/l	99
95) Naphthalene	15.13	128	356093	25.401	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	119660	24.706	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058696.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 441241

Ion Ratio Lower Upper

168 100

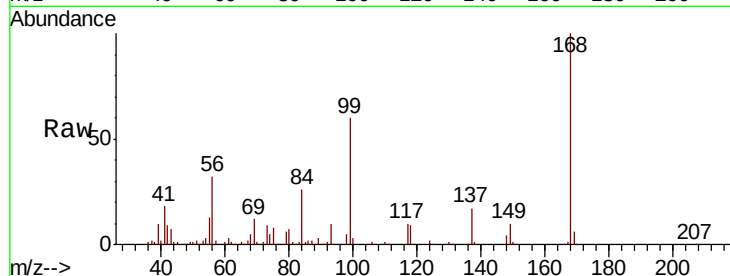
99 59.8 47.5 71.3

Manual Integrations

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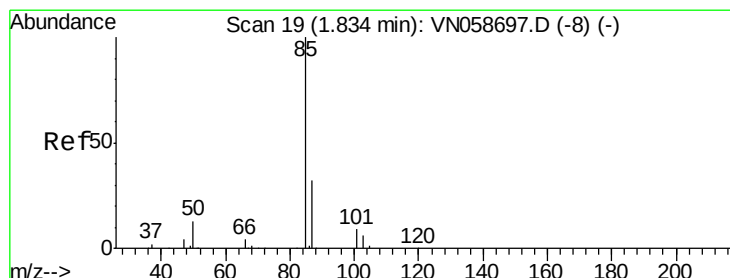
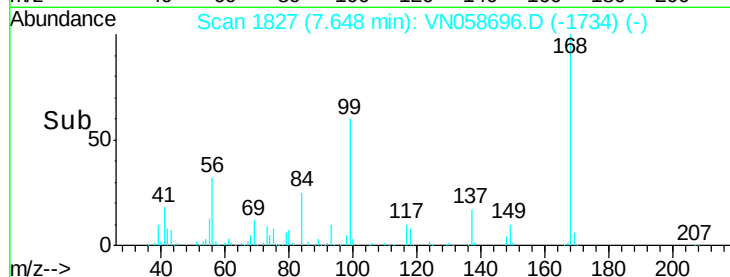
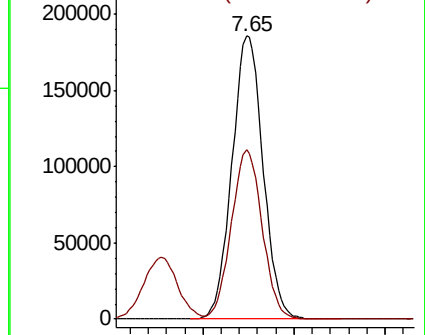
MMDadoda

10/16/2019 12:48:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 23.706 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058696.D

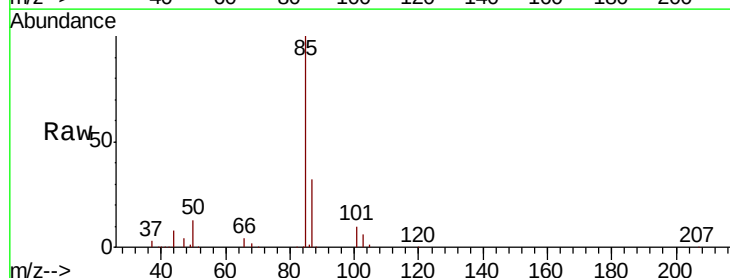
Acq: 11 Oct 2019 12:14

Tgt Ion: 85 Resp: 117250

Ion Ratio Lower Upper

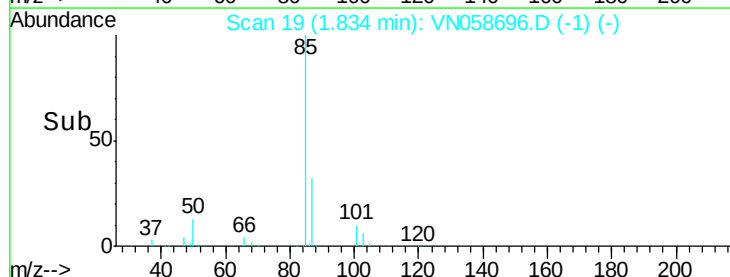
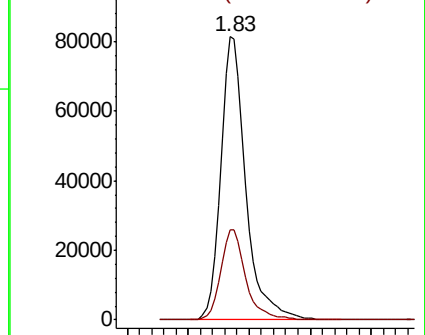
85 100

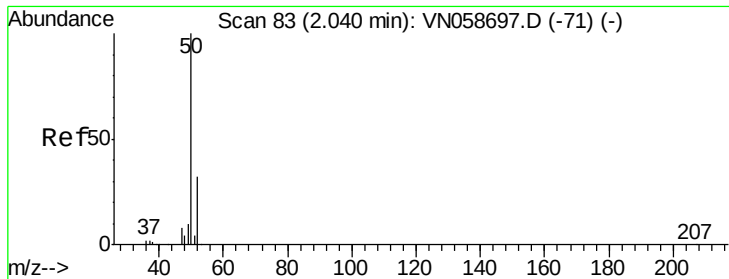
87 31.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 23.952 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 131996

Ion Ratio Lower Upper

50 100

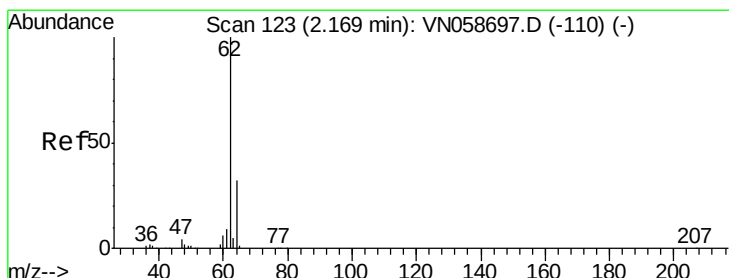
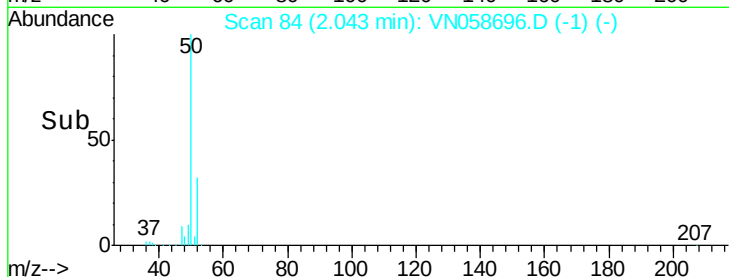
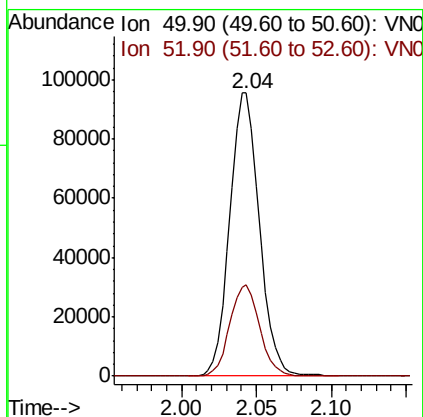
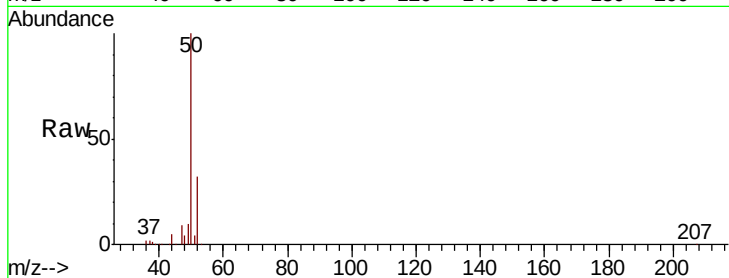
52 32.1 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.550 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058696.D

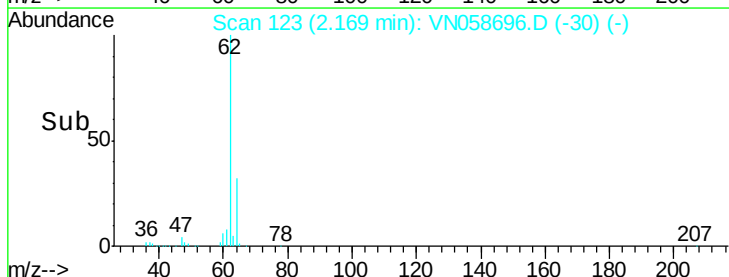
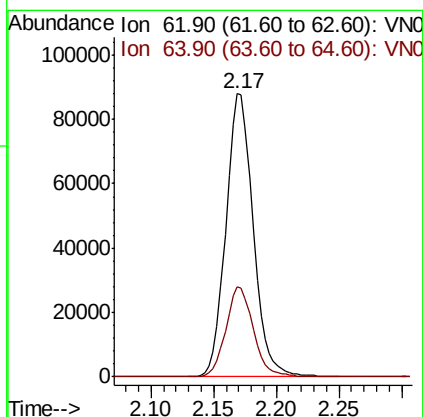
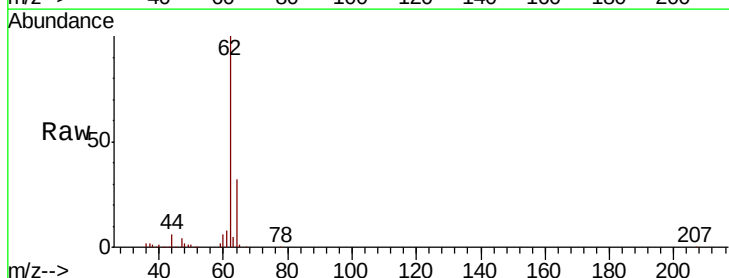
Acq: 11 Oct 2019 12:14

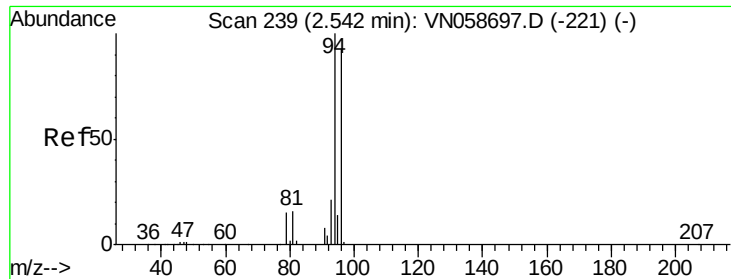
Tgt Ion: 62 Resp: 132985

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 27.355 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

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Tot Ion: 94 Resp: 81408

Ion Ratio Lower Upper

94 100

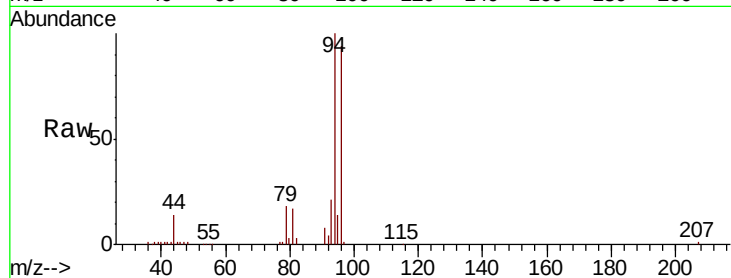
96 94.5 74.5 111.7

Manual Integrations

APPROVED

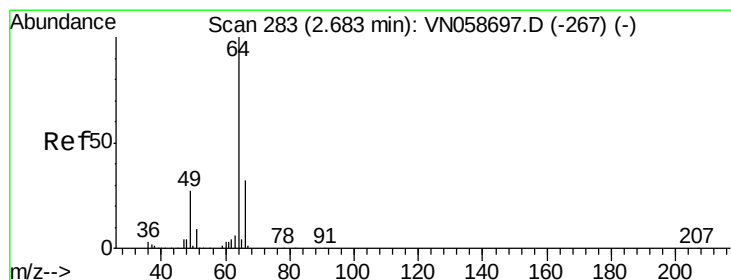
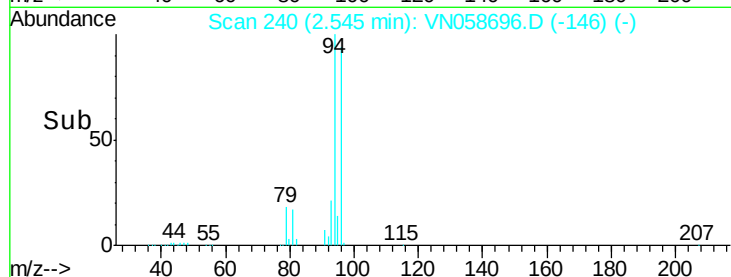
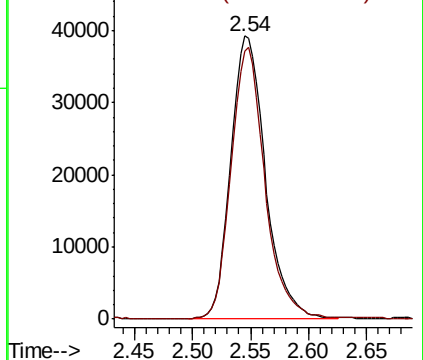
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 25.153 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058696.D

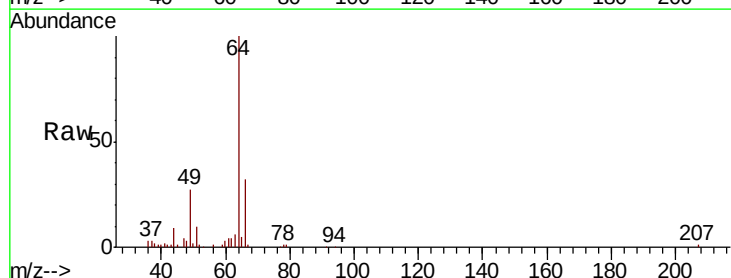
Acq: 11 Oct 2019 12:14

Tgt Ion: 64 Resp: 81831

Ion Ratio Lower Upper

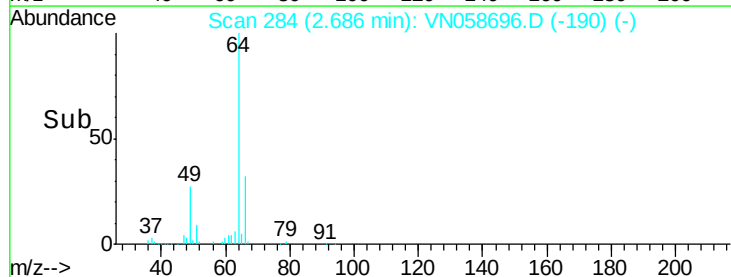
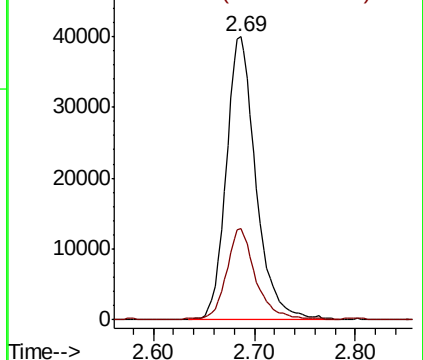
64 100

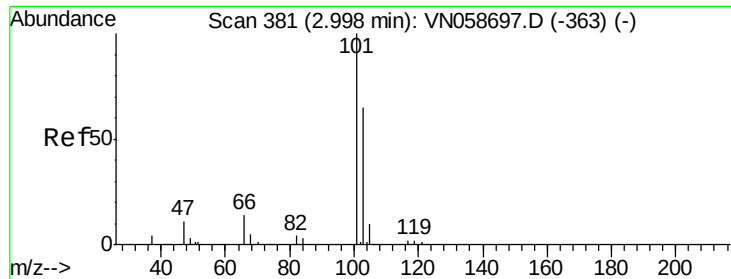
66 32.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

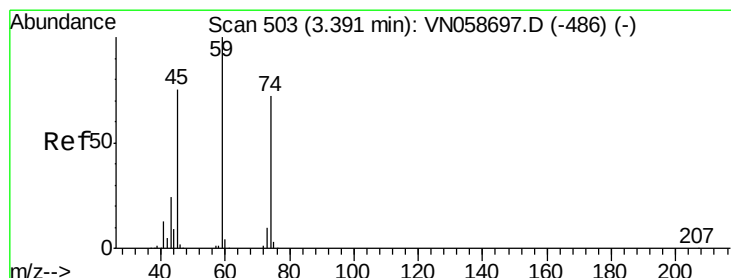
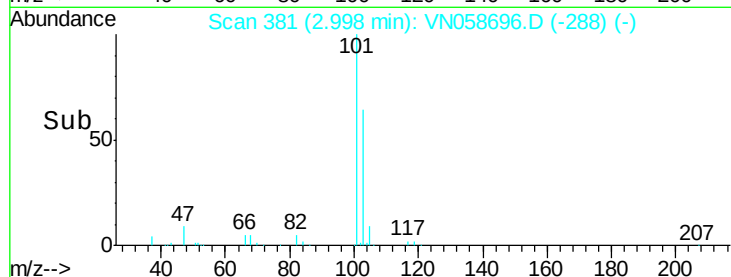
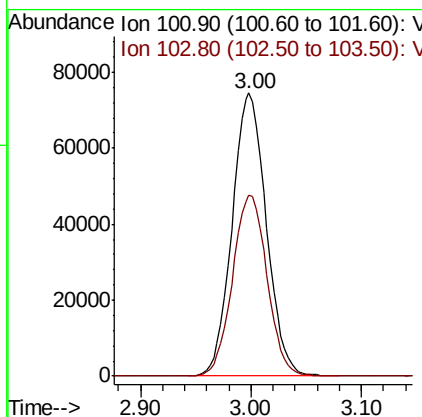
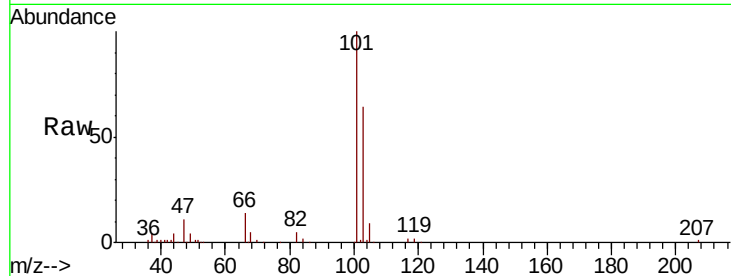
Trichlorofluoromethane
 Concen: 24.671 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.8	77.6

Manual Integrations
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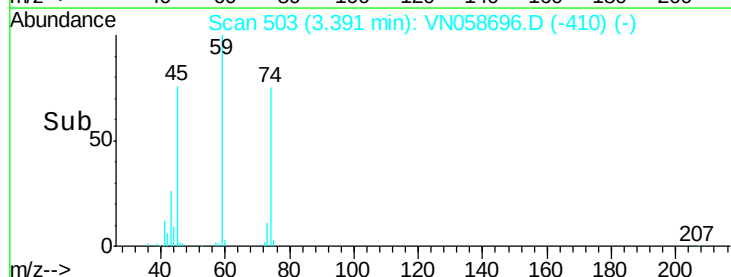
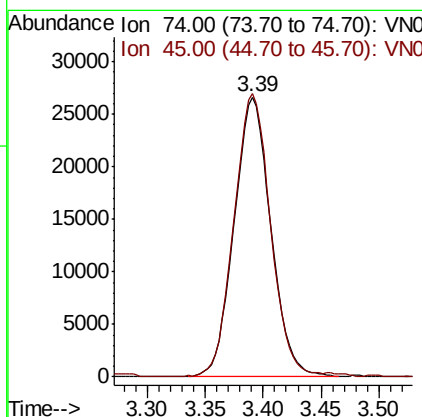
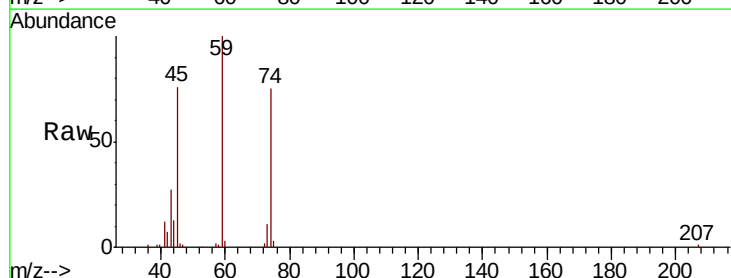
MMDadoda
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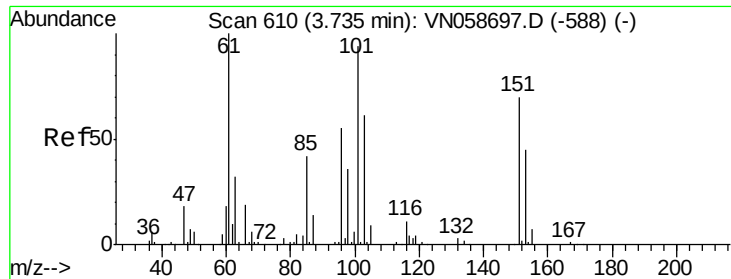


#8

Diethyl Ether
 Concen: 21.452 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.691 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

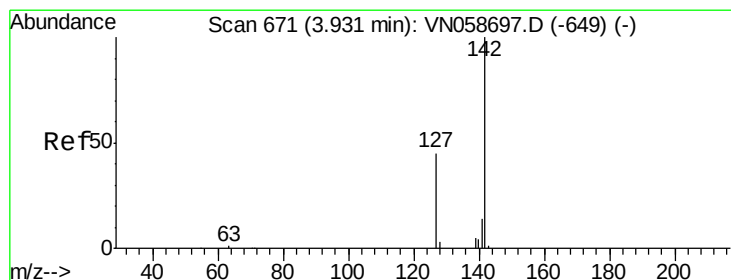
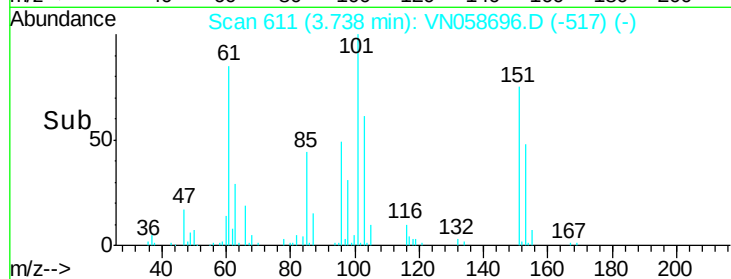
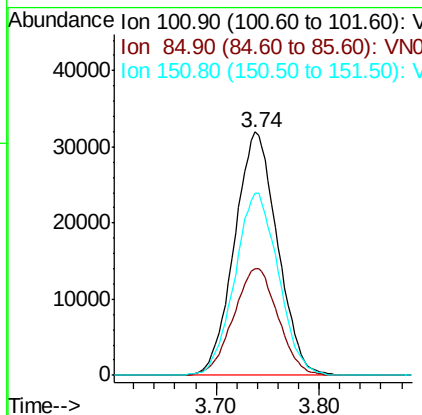
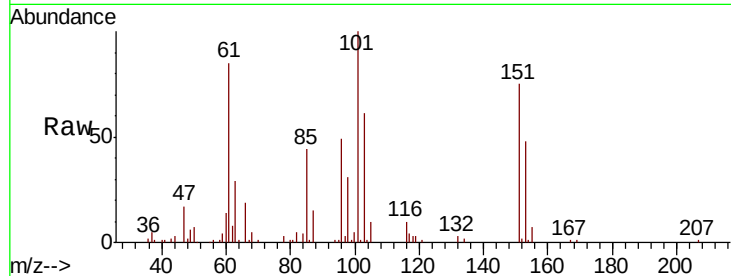
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	92388
Ion Ratio	Lower	Upper	
101	100		
85	45.5	37.0	55.6
151	76.0	61.8	92.6

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#10

Methyl Iodide

Concen: 24.201 ug/l

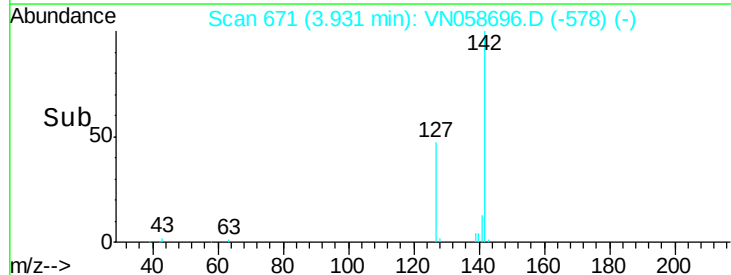
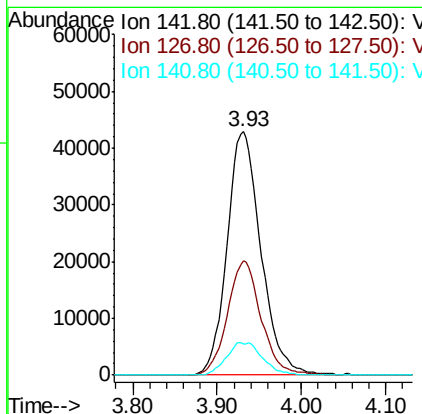
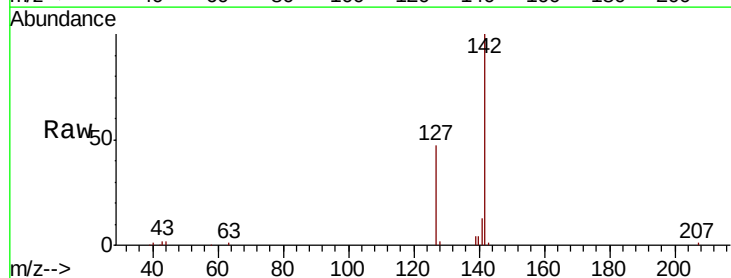
RT: 3.93 min Scan# 671

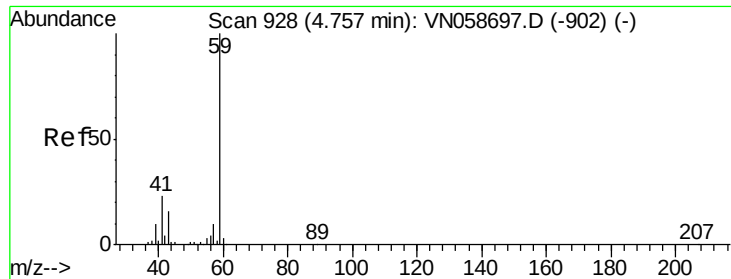
Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion:	142	Resp:	119898
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.4	54.6
141	6.8	11.1	16.7#





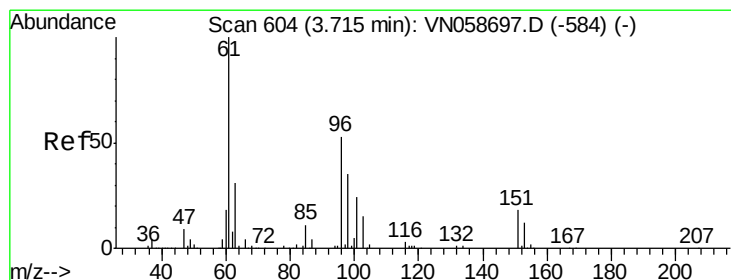
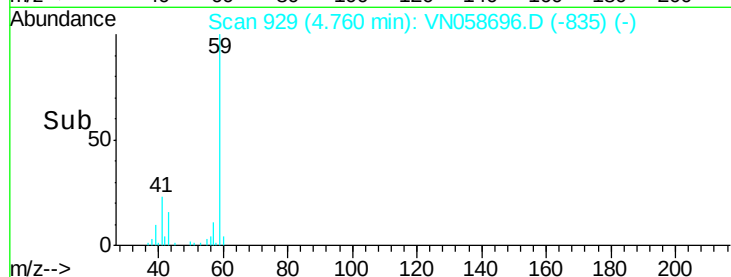
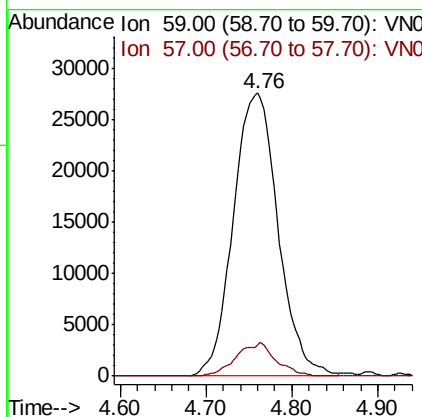
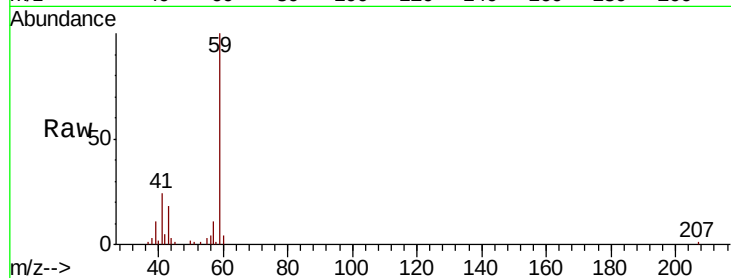
#11
Tert butyl alcohol
Concen: 130.592 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	99886
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

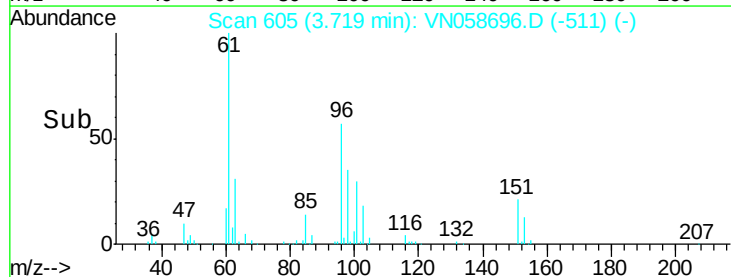
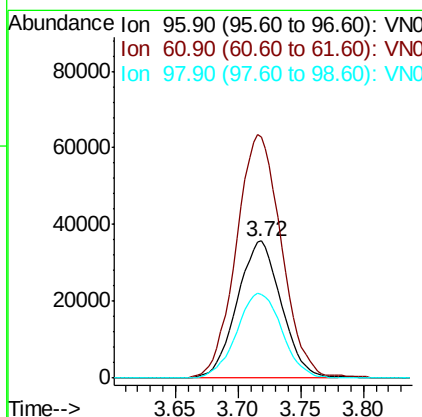
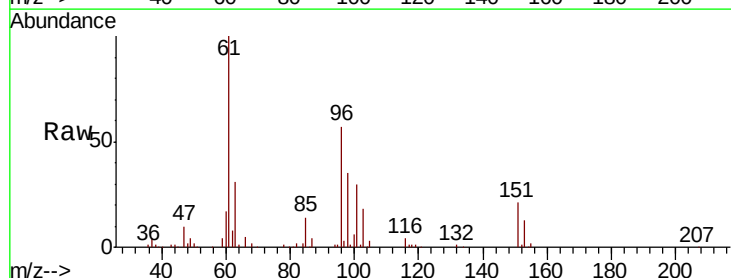
Manual Integrations
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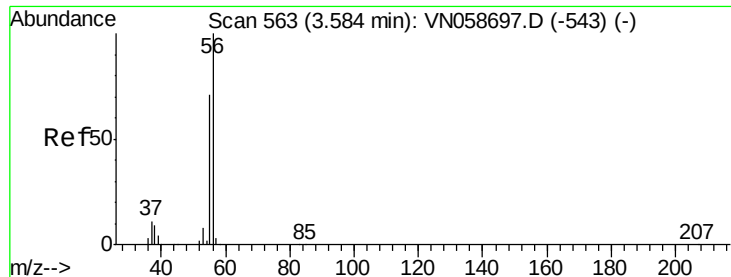
MMDadoda
10/16/2019 12:48:17 AM



#12
1,1-Dichloroethene
Concen: 21.058 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	96	Resp	87435
Ion Ratio	100	Lower	Upper
61	175.7	151.3	226.9
98	61.4	52.6	78.8





#13

Acrolein

Concen: 227.637 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 78190

Ion Ratio Lower Upper

56 100

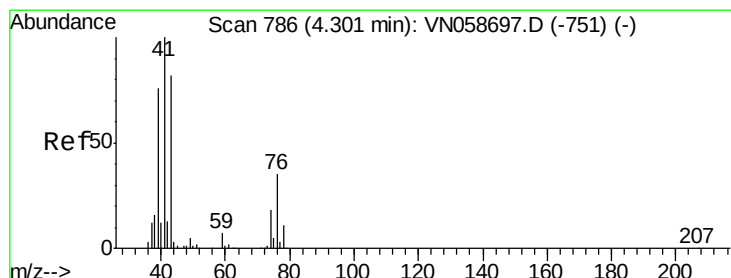
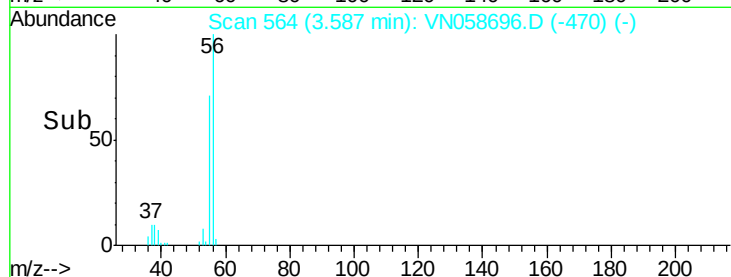
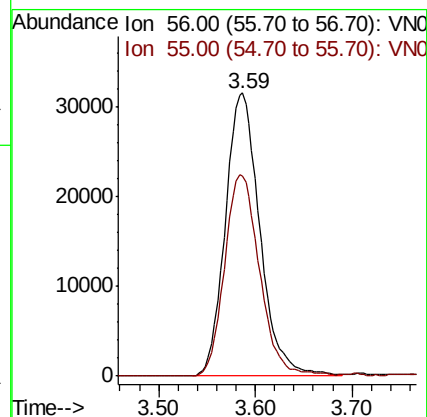
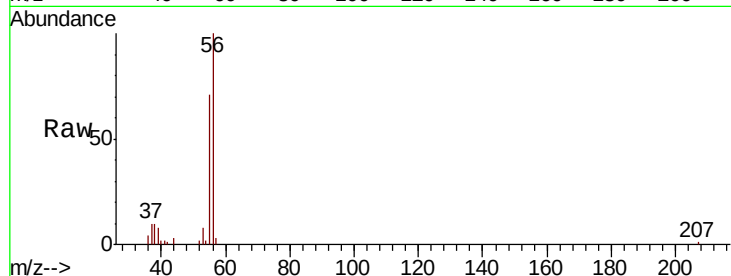
55 72.2 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 22.100 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

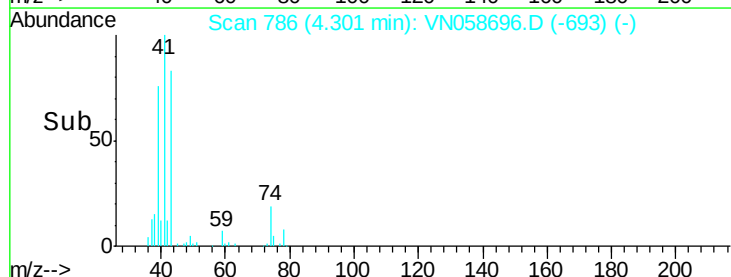
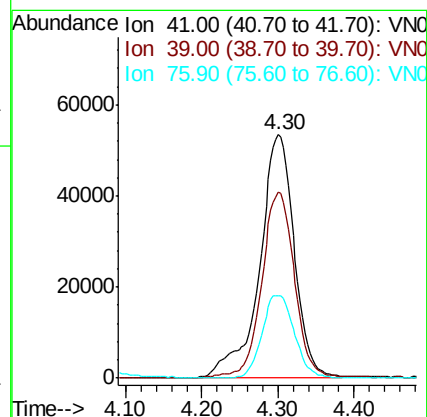
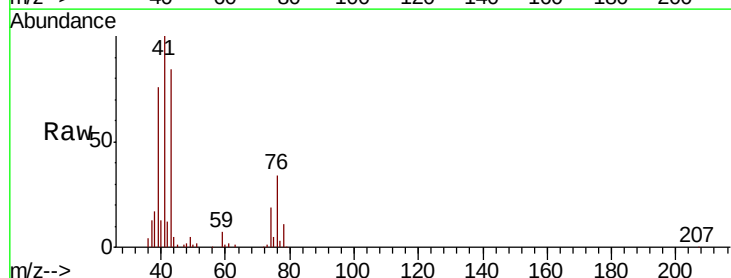
Tgt Ion: 41 Resp: 169799

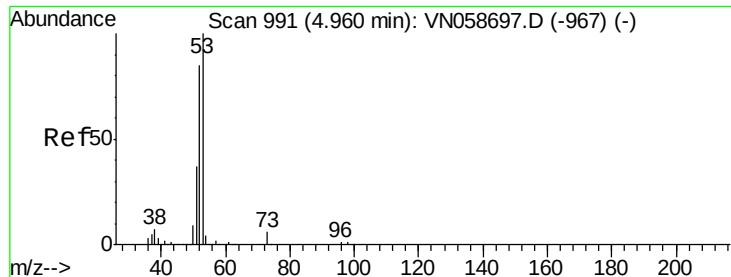
Ion Ratio Lower Upper

41 100

39 72.0 57.2 85.8

76 31.6 25.0 37.6





#15

Acrylonitrile

Concen: 118.746 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

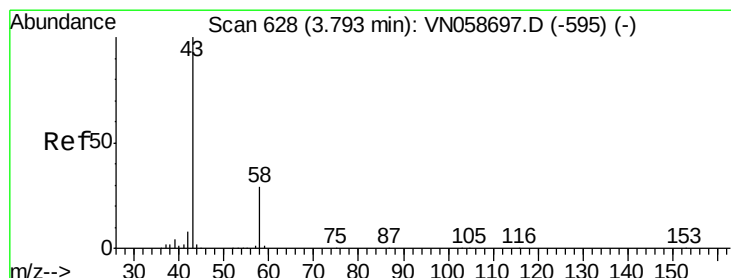
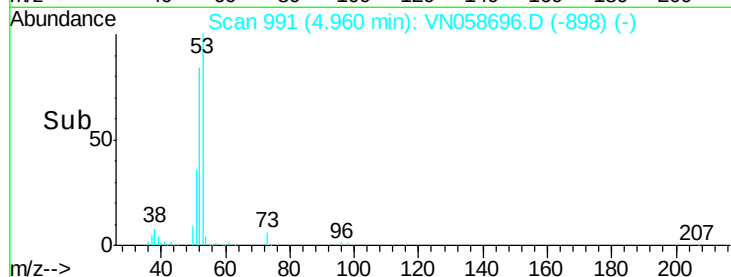
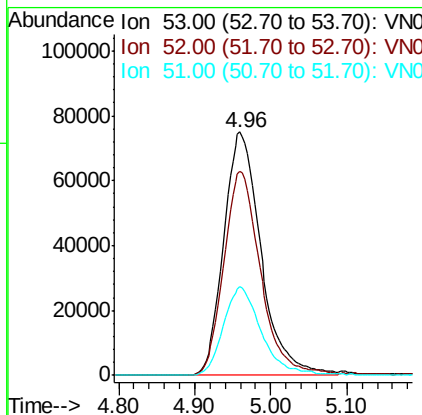
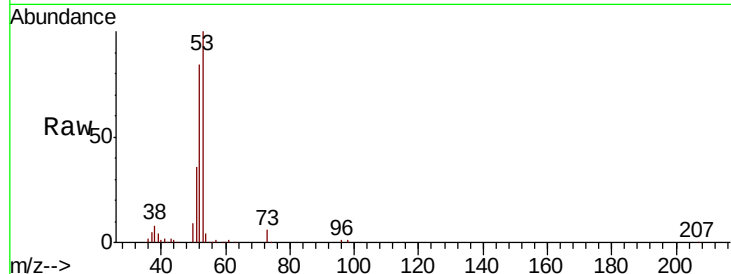
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	256359
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.2	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 117.367 ug/l

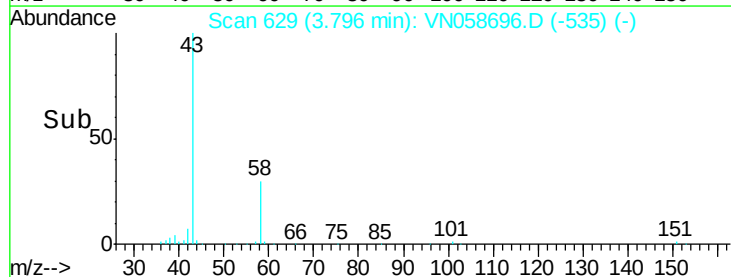
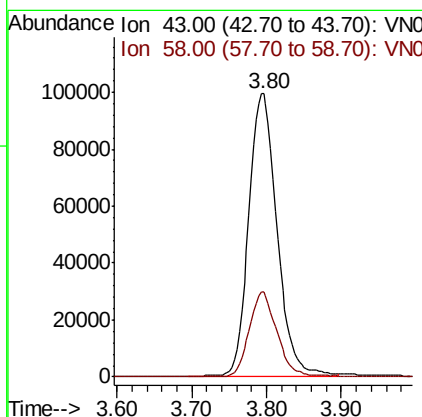
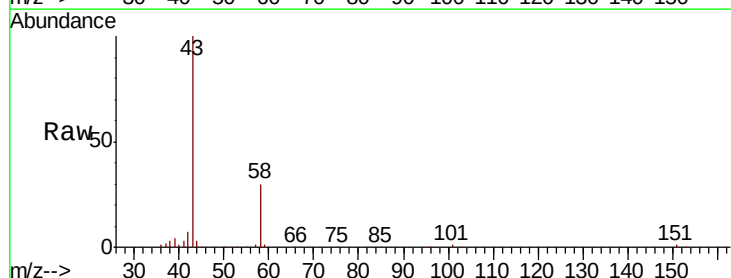
RT: 3.80 min Scan# 629

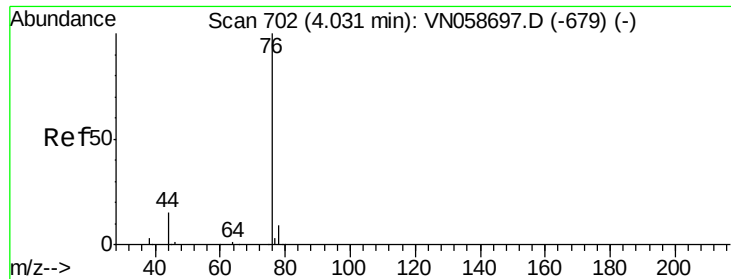
Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion:	43	Resp:	264413
Ion Ratio		Lower	Upper
43	100		
58	30.0	23.3	34.9





#17

Carbon Disulfide

Concen: 23.956 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 269633

Ion Ratio Lower Upper

76 100

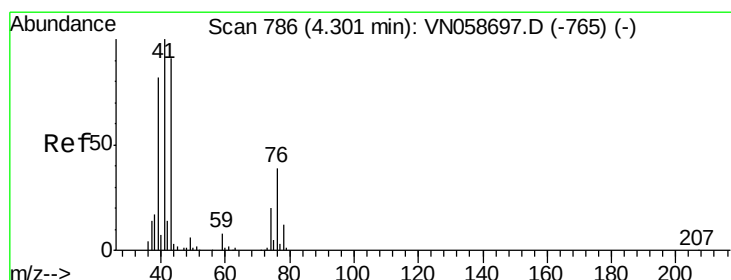
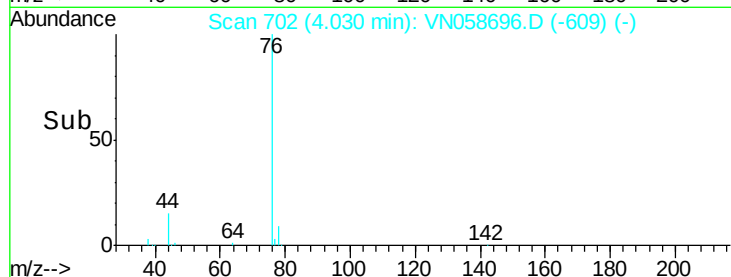
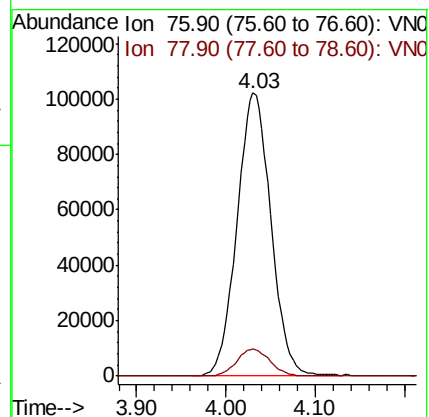
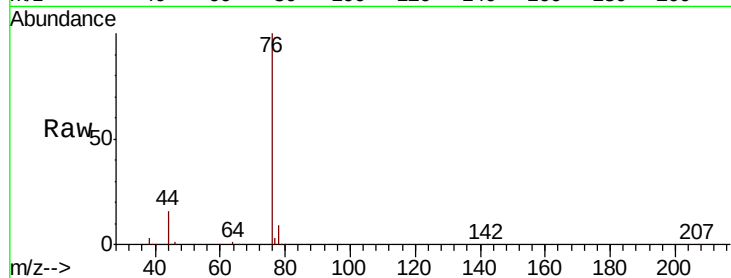
78 9.5 7.1 10.7

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#18

Methyl Acetate

Concen: 22.611 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058696.D

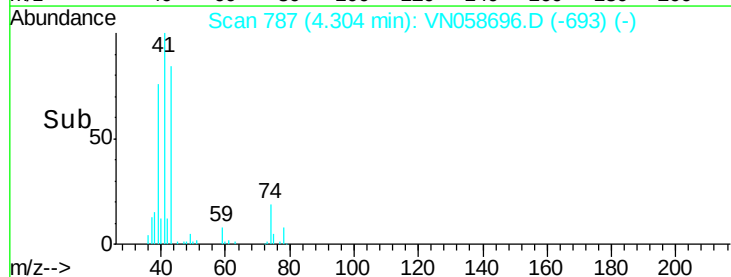
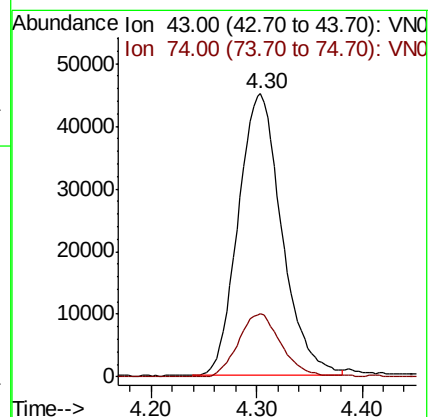
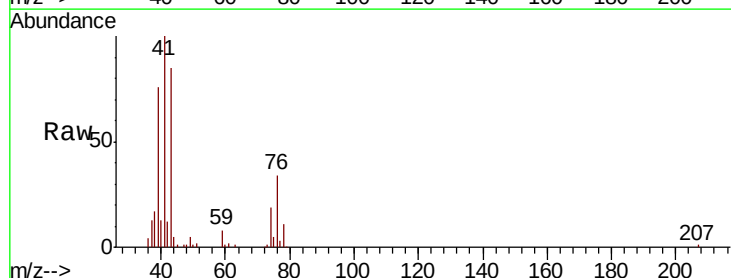
Acq: 11 Oct 2019 12:14

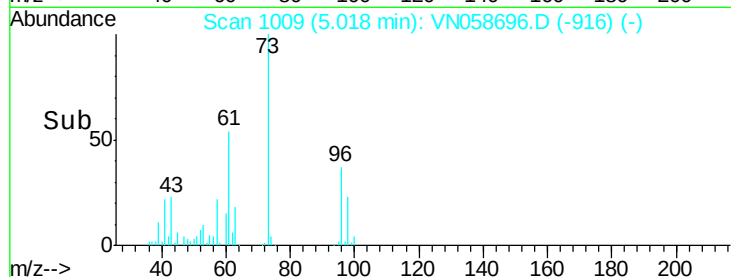
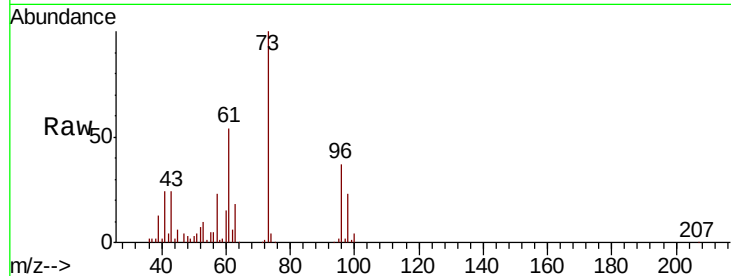
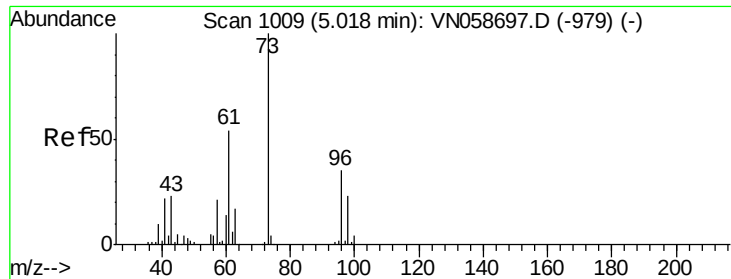
Tgt Ion: 43 Resp: 129051

Ion Ratio Lower Upper

43 100

74 22.2 17.2 25.8





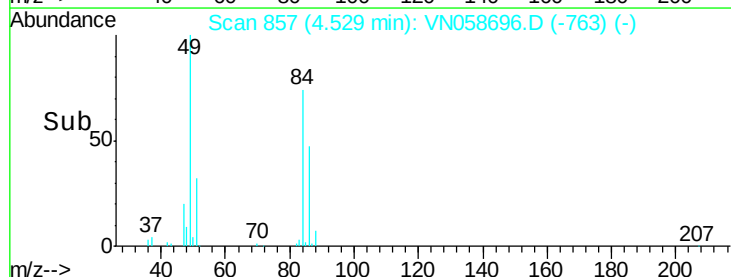
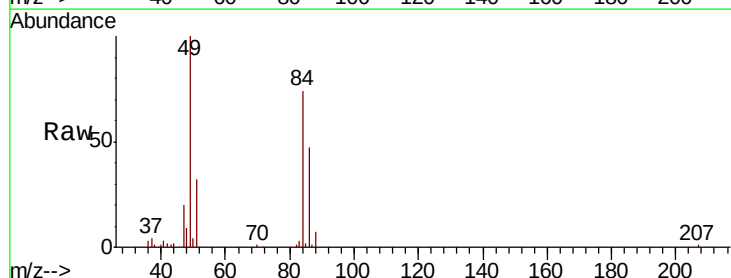
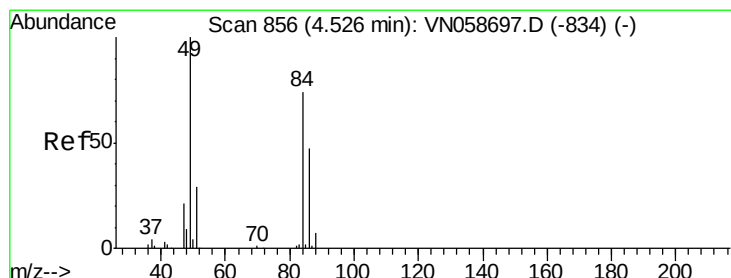
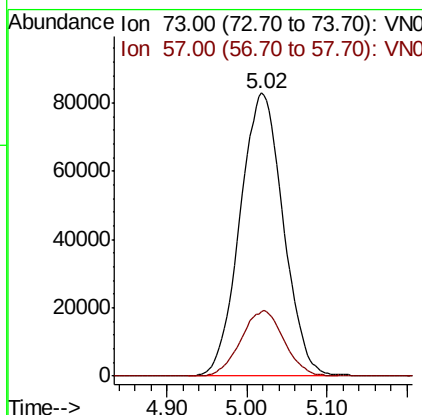
#19
Methyl tert-butyl Ether
Concen: 20.770 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tot Ion: 73 Resp: 306417
Ion Ratio Lower Upper
73 100
57 22.6 17.0 25.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

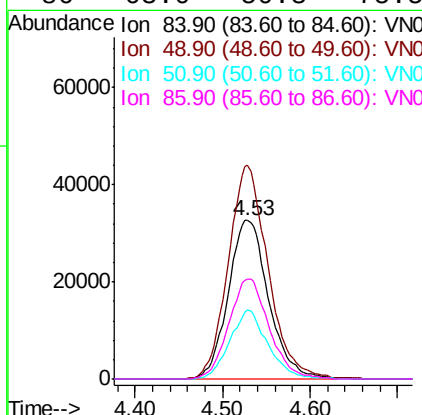
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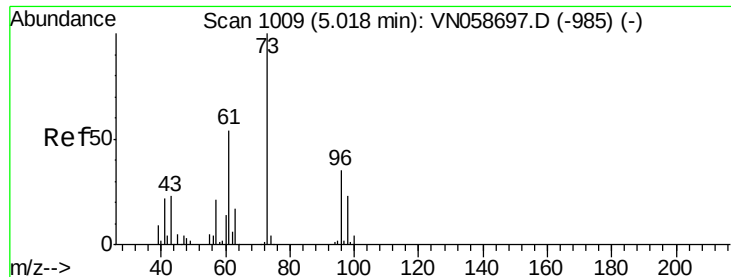
MMDadoda
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#20
Methylene Chloride
Concen: 20.536 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 84 Resp: 104571
Ion Ratio Lower Upper
84 100
49 134.5 107.6 161.4
51 43.4 31.4 47.0
86 63.0 50.3 75.5





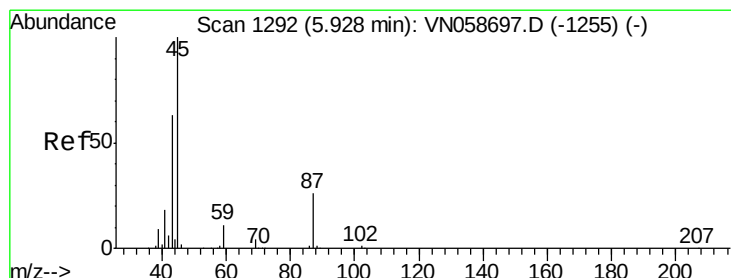
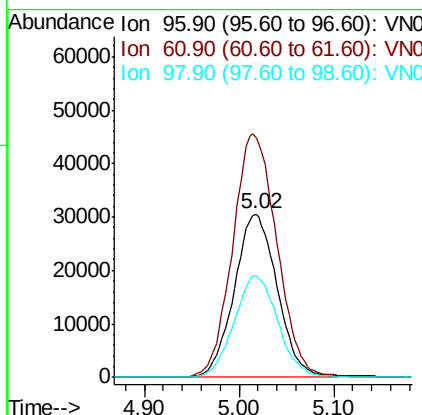
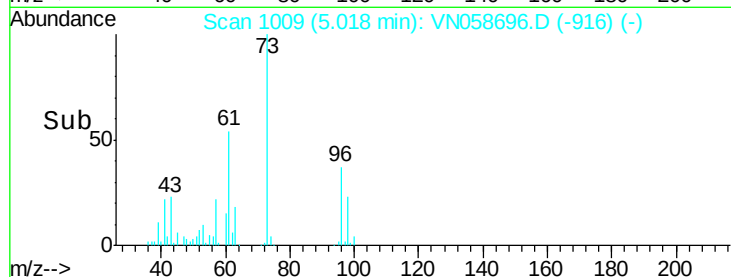
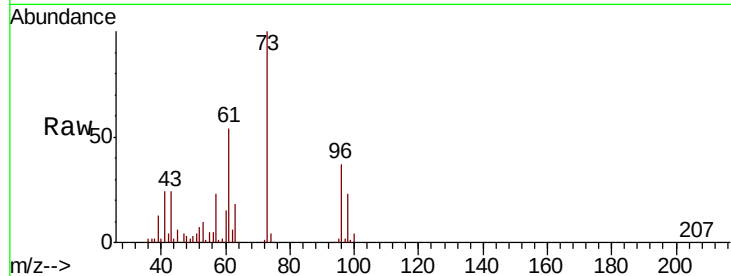
#21
trans-1,2-Dichloroethene
Concen: 20.764 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.8	123.6	185.4
98	61.9	52.1	78.1

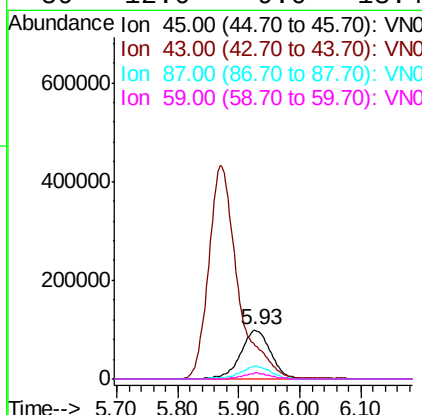
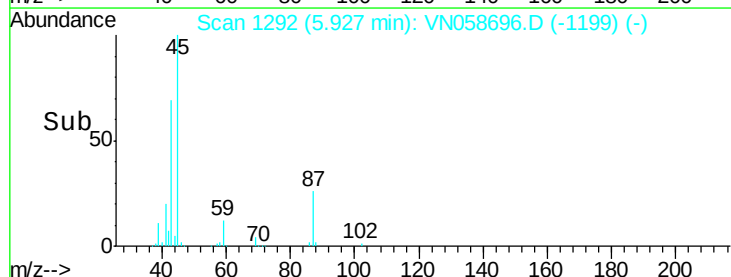
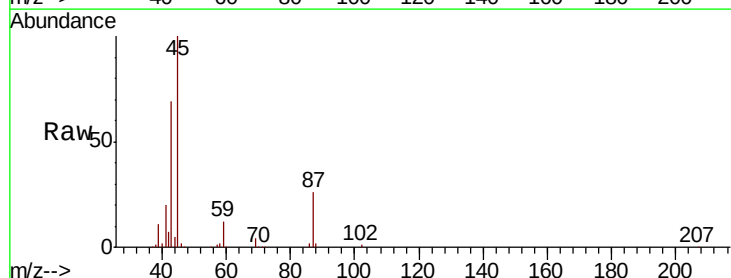
Manual Integrations
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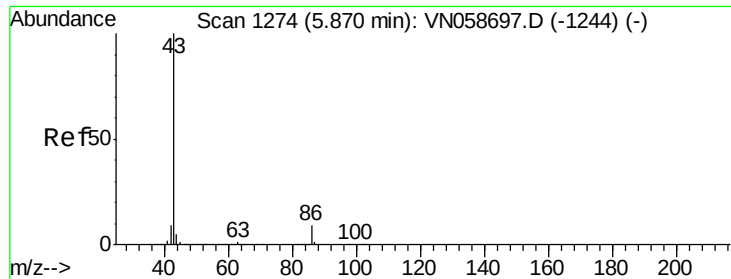
MMDadoda
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#22
Diisopropyl ether
Concen: 20.756 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.7	50.6	75.8
87	25.7	21.1	31.7
59	12.0	9.0	13.4





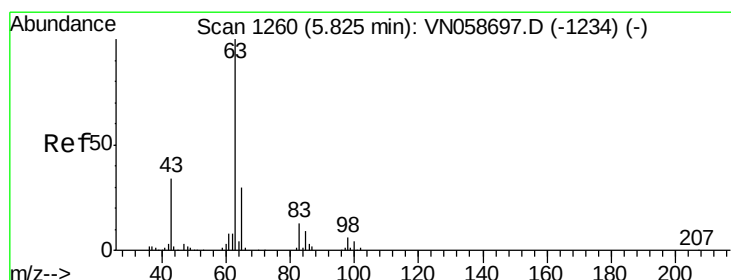
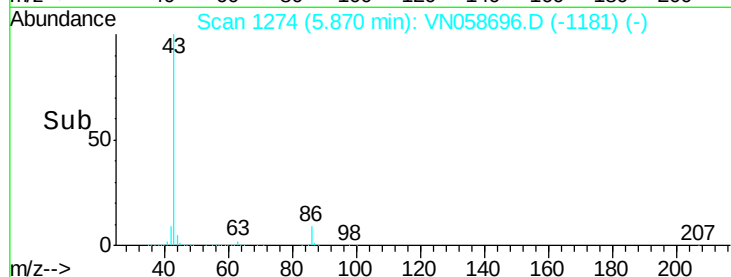
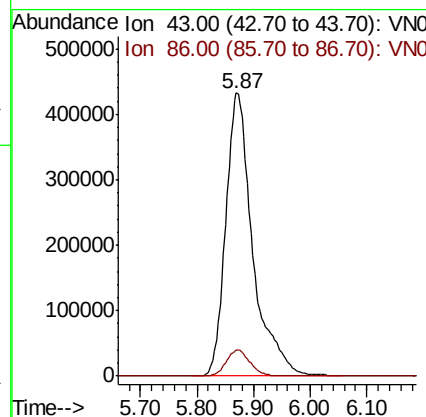
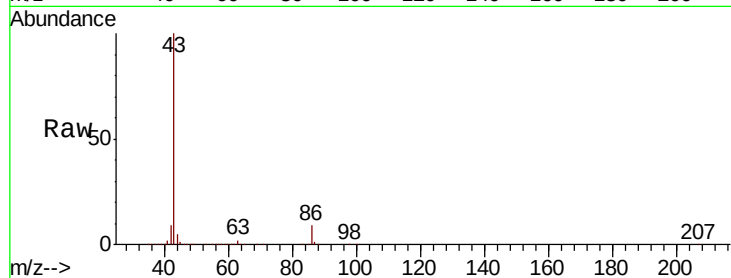
#23
 Vinyl Acetate
 Concen: 115.677 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1439657
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.0

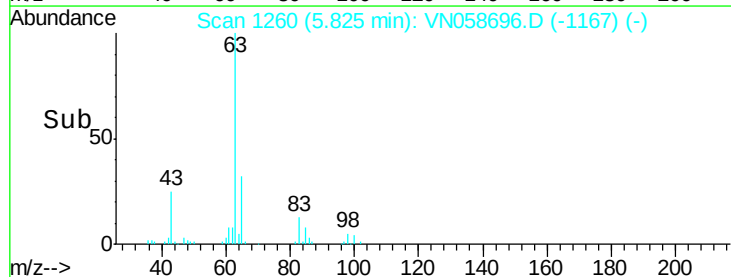
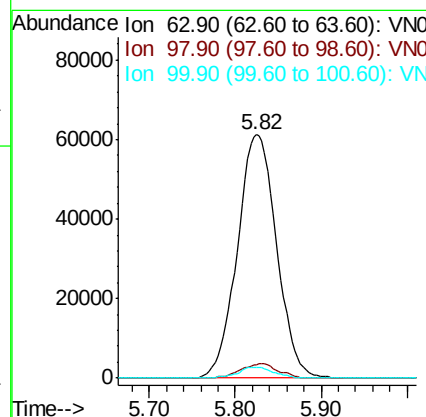
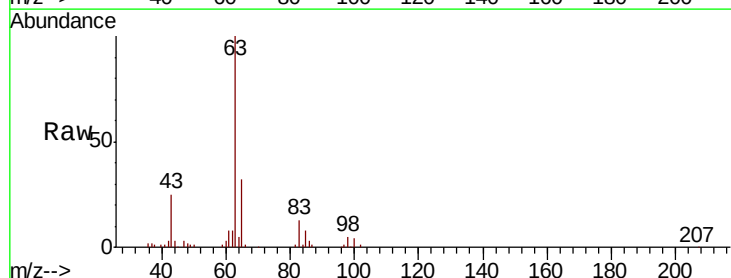
Manual Integrations
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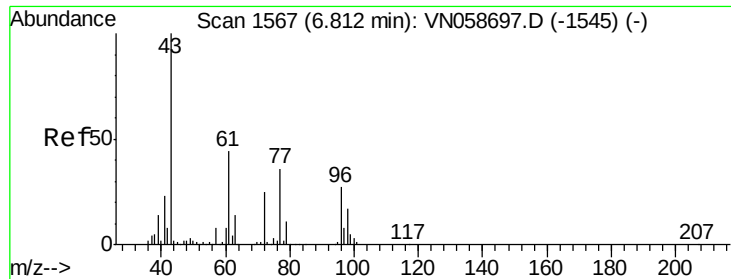
MMDadoda
 10/16/2019 12:48:17 AM



#24
 1,1-Dichloroethane
 Concen: 21.067 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion: 63 Resp: 193696
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.9 8.6
 100 4.2 1.8 5.5





#25

2-Butanone

Concen: 119.167 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 371666

Ion Ratio Lower Upper

43 100

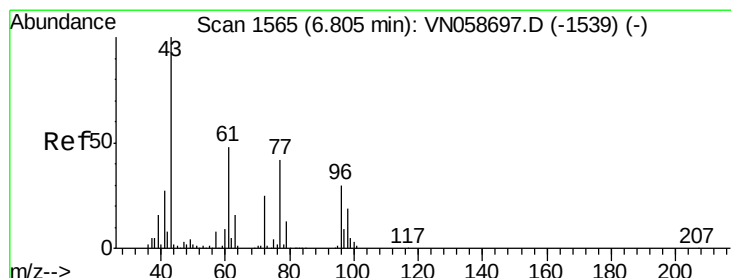
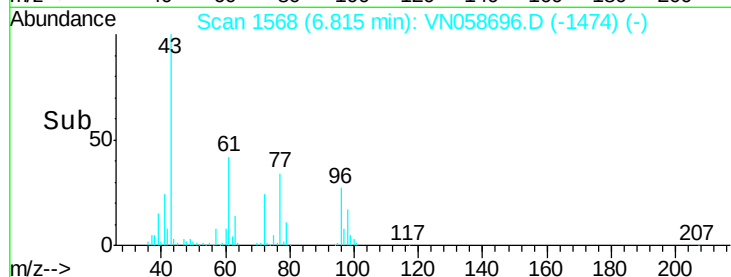
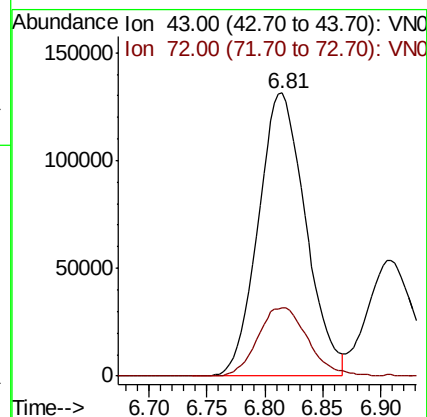
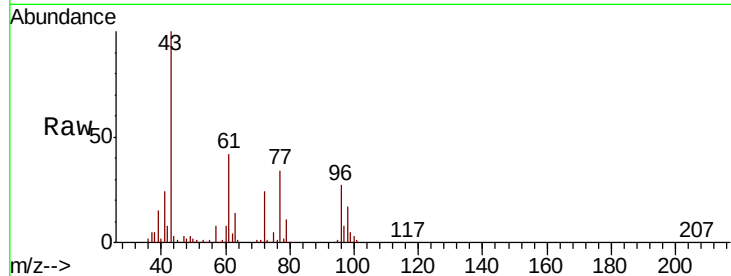
72 24.2 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.478 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058696.D

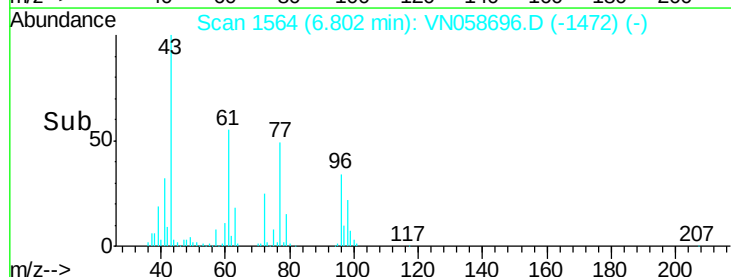
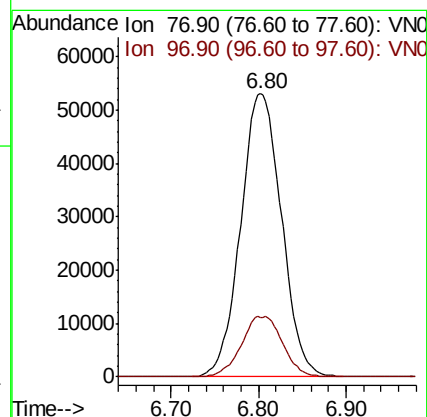
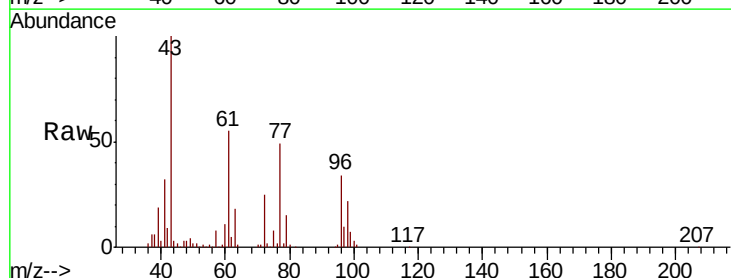
Acq: 11 Oct 2019 12:14

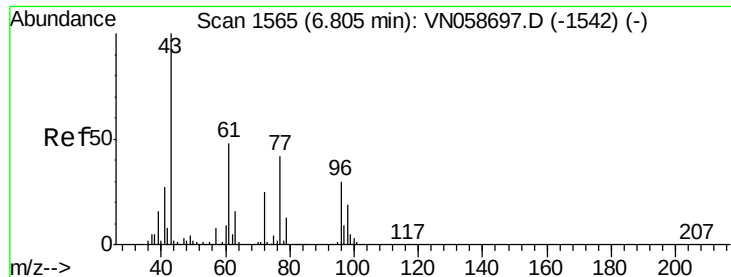
Tgt Ion: 77 Resp: 171577

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.166 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

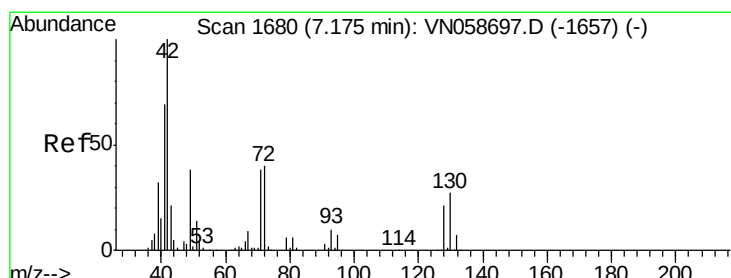
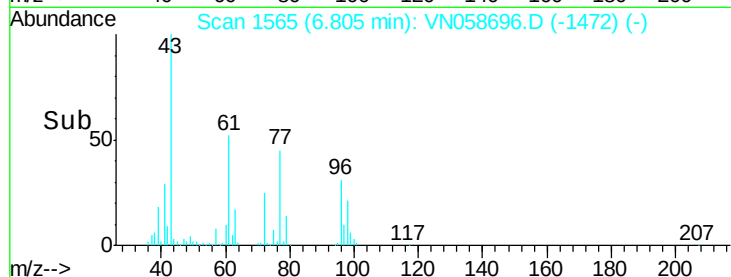
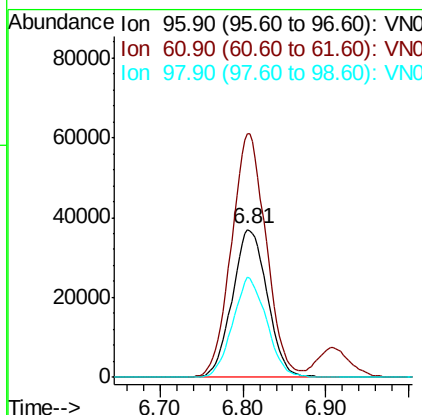
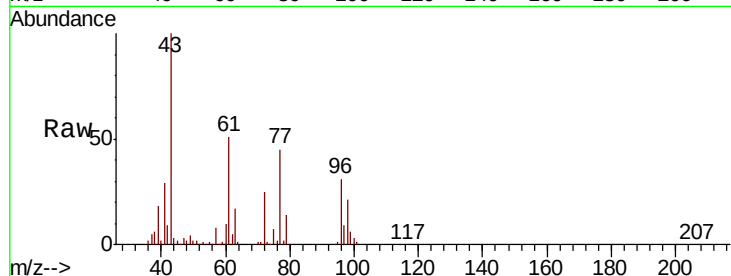
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	108688
Ion Ratio	Lower	Upper	
96	100		
61	163.7	0.0	324.8
98	65.2	0.0	129.2

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#28

Bromochloromethane

Concen: 18.570 ug/l

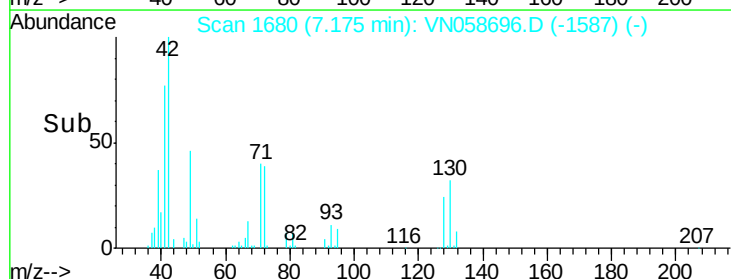
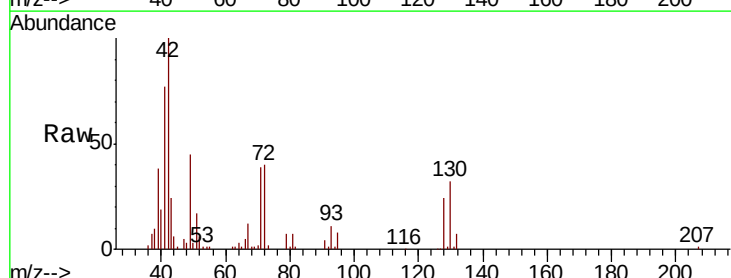
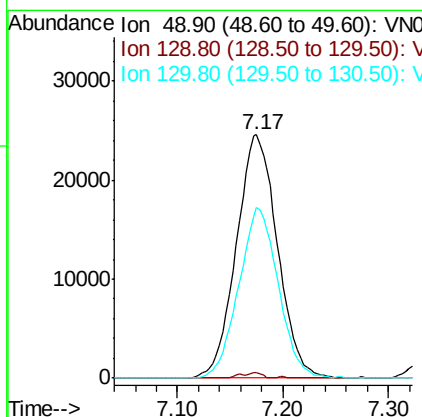
RT: 7.17 min Scan# 1680

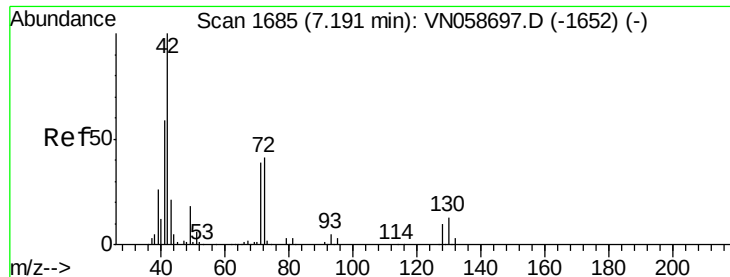
Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion:	49	Resp:	66480
Ion Ratio	Lower	Upper	
49	100		
129	0.7	0.0	3.6
130	67.3	55.0	82.4





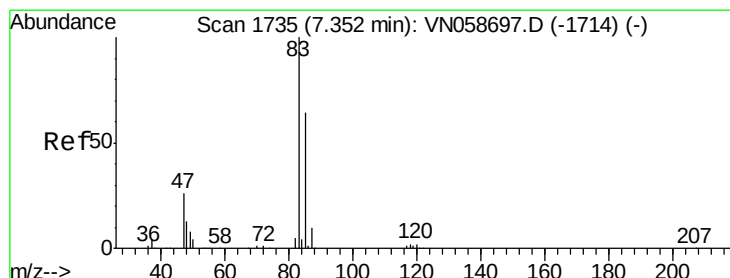
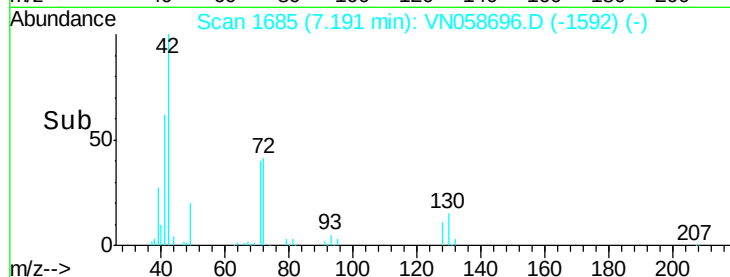
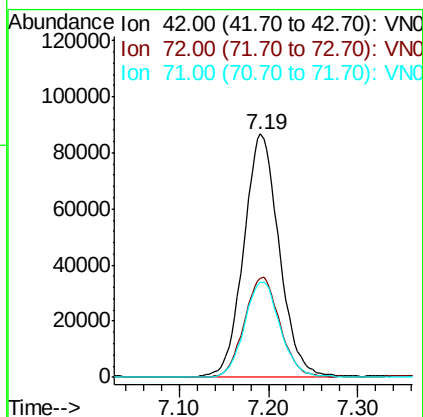
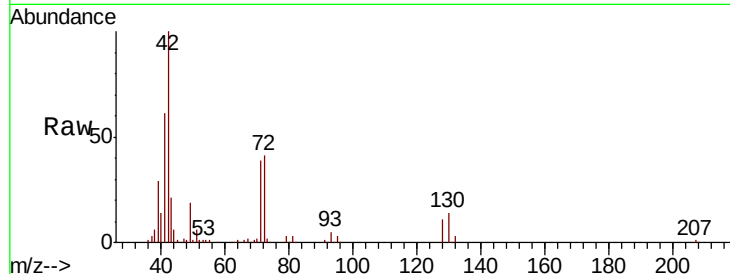
#29
Tetrahydrofuran
Concen: 120.087 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.8	49.2
71	39.8	31.1	46.7

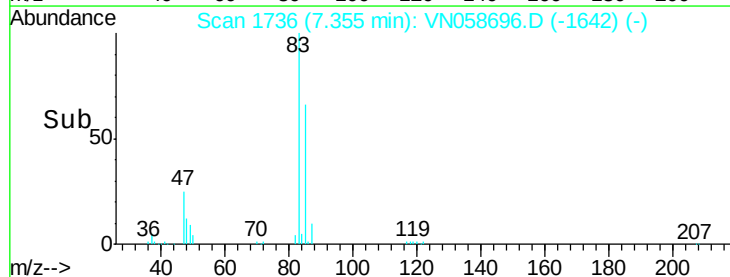
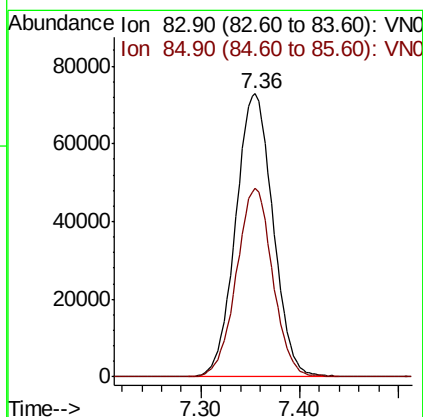
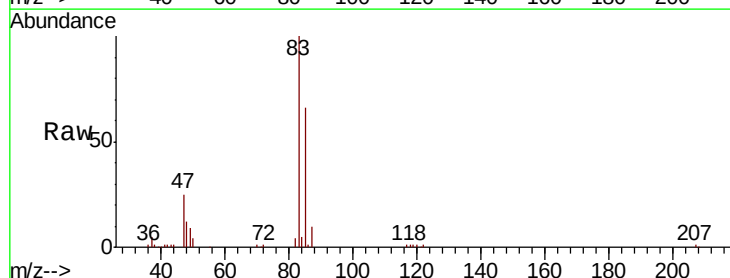
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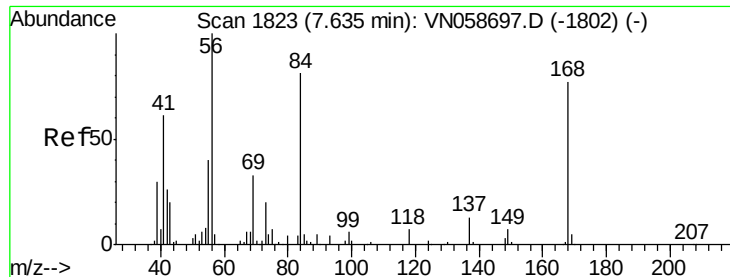
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#30
Chloroform
Concen: 20.563 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.0	76.6





#31

Cyclohexane

Concen: 20.653 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

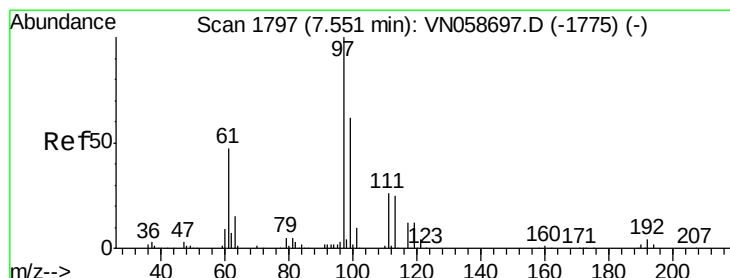
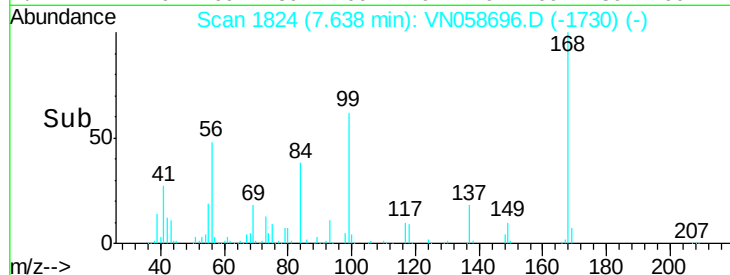
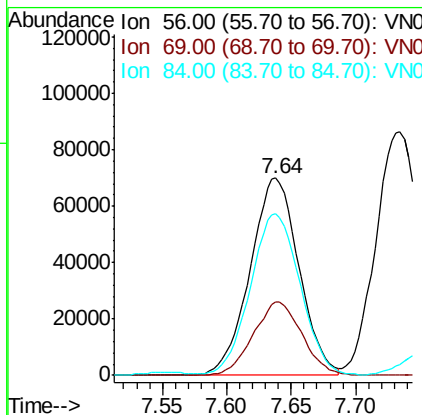
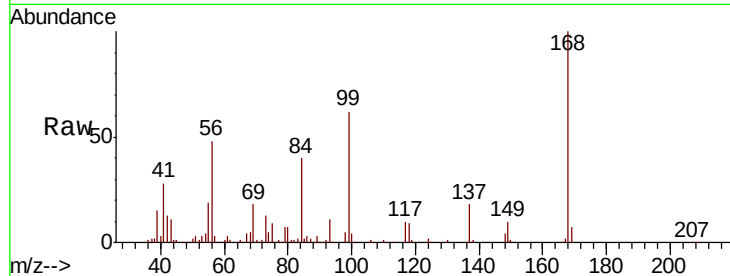
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	184192
Ion Ratio	Lower	Upper	
56	100		
69	37.3	26.2	39.4
84	81.0	64.9	97.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.565 ug/l

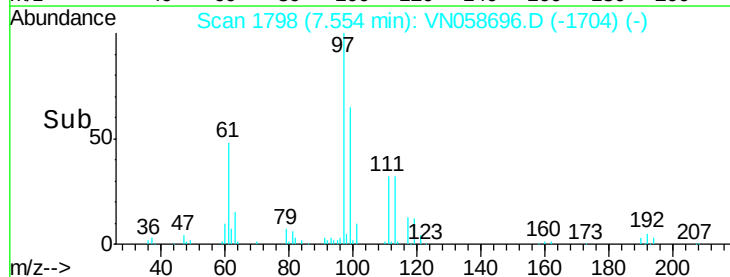
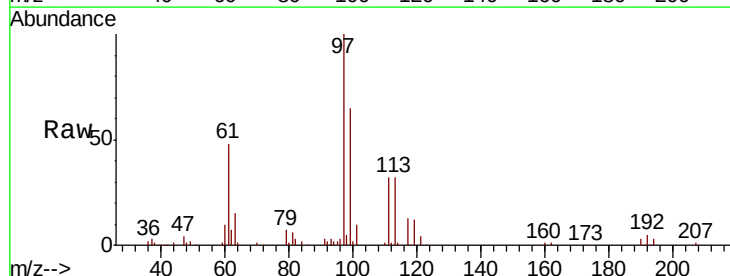
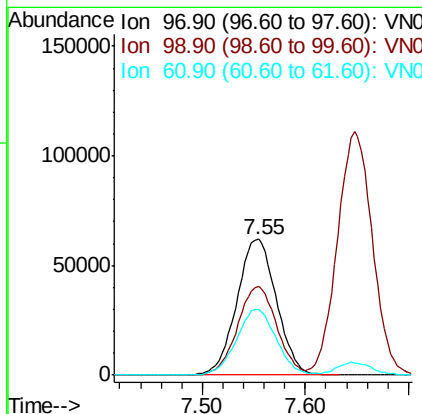
RT: 7.55 min Scan# 1798

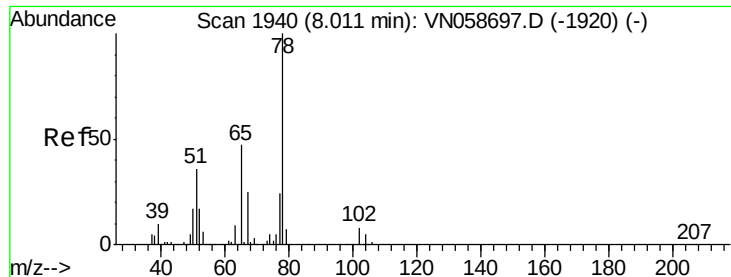
Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion:	97	Resp:	165538
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.8	76.2
61	48.5	38.1	57.1





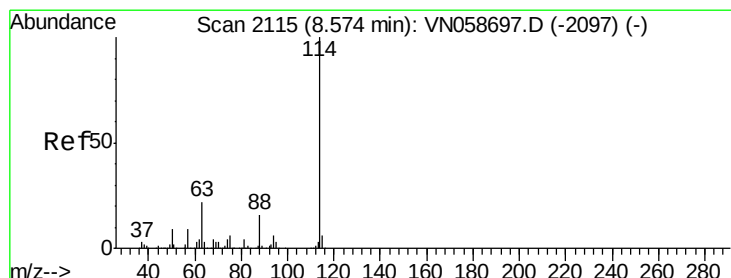
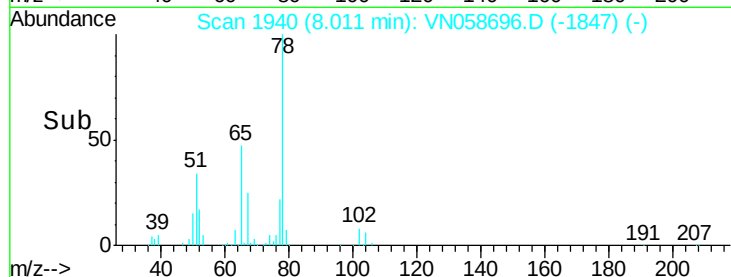
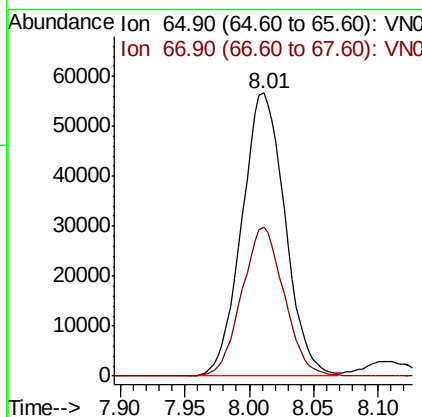
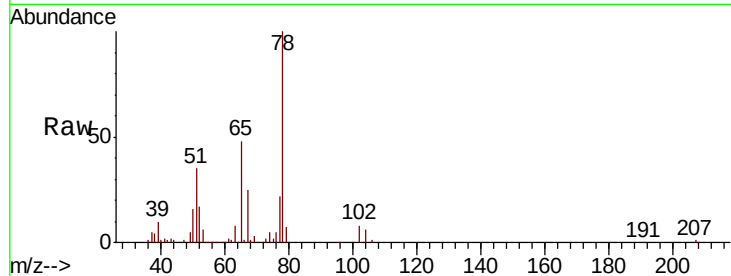
#33
 1,2-Dichloroethane-d4
 Concen: 20.757 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.8

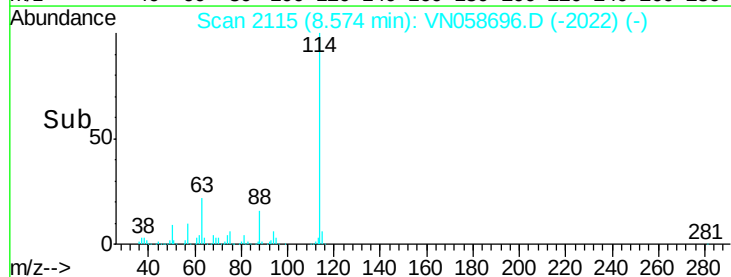
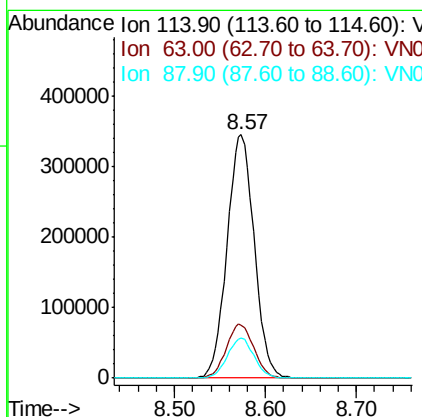
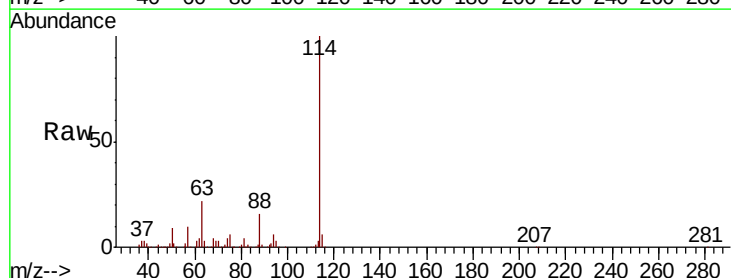
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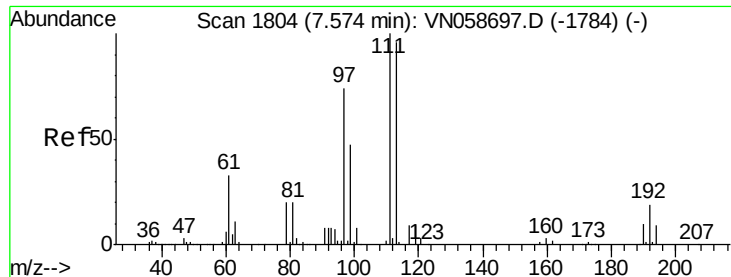
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.5	0.0	32.0





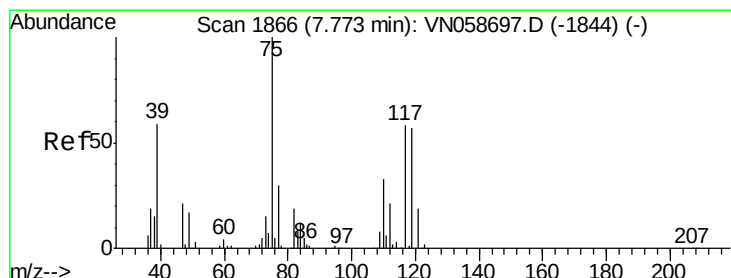
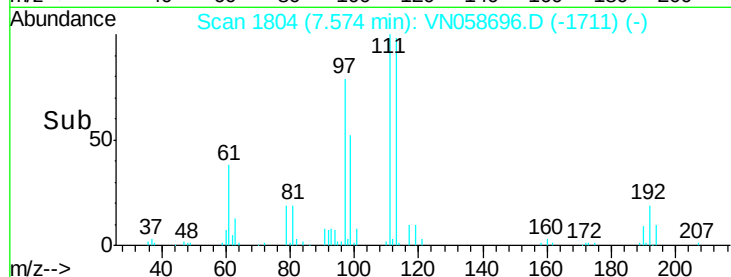
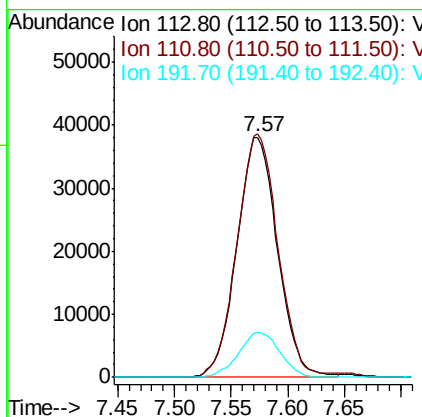
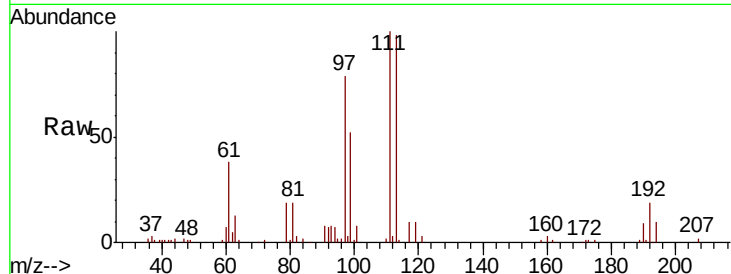
#35
 Dibromofluoromethane
 Concen: 21.748 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	18.9	15.0	22.6

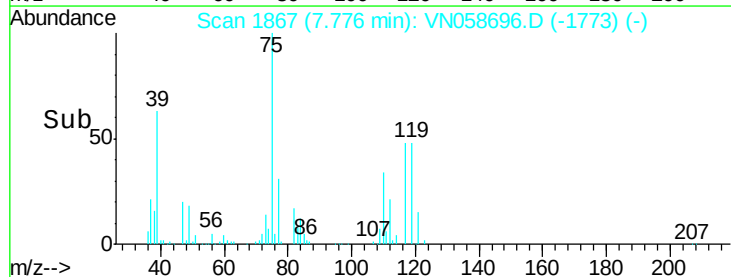
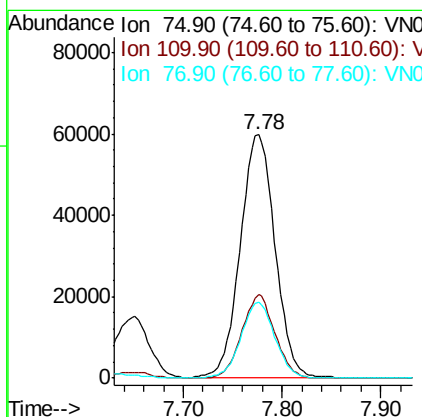
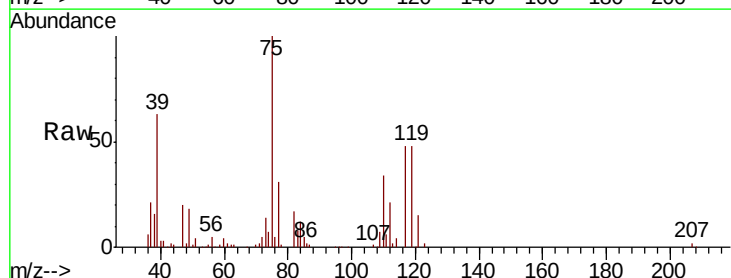
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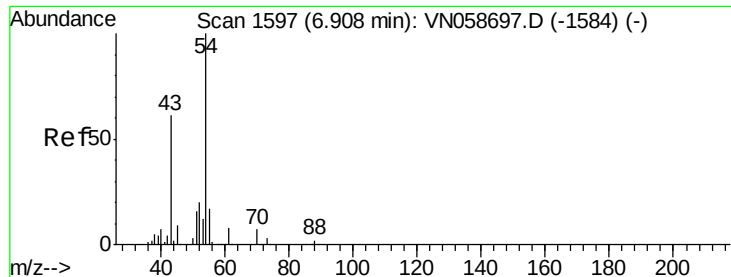
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#36
 1,1-Dichloropropene
 Concen: 21.309 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.6	49.8
77	30.3	24.6	37.0





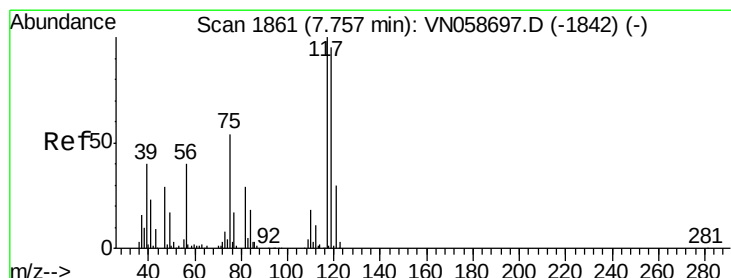
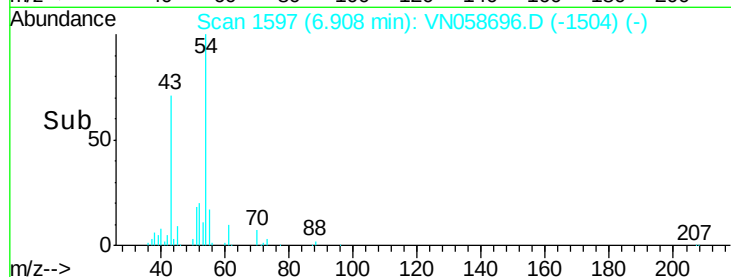
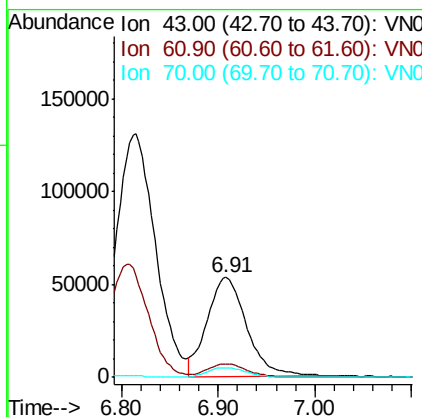
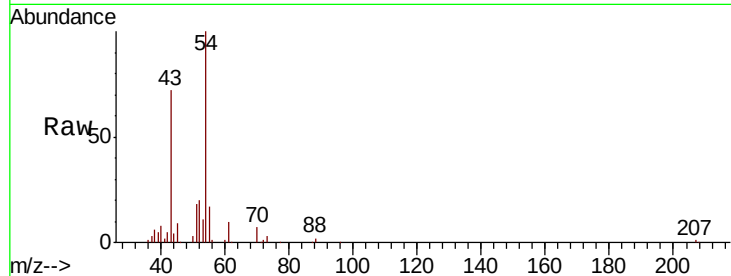
#37
Ethyl Acetate
Concen: 25.265 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.3	16.9
70	9.9	7.2	10.8

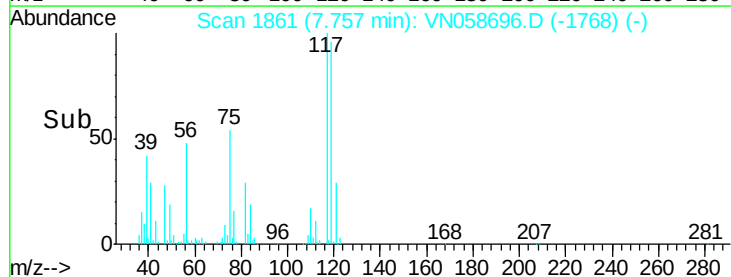
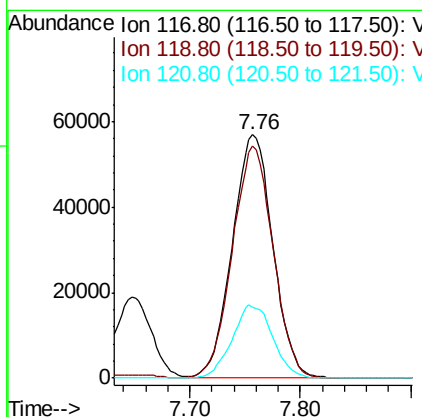
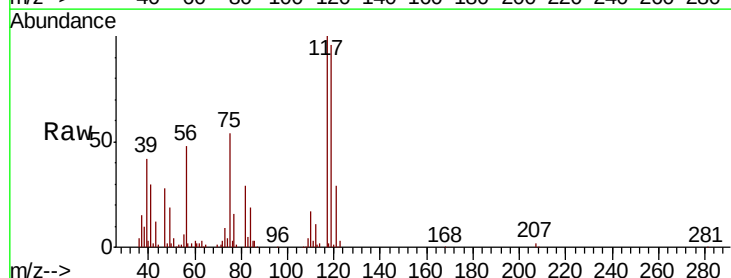
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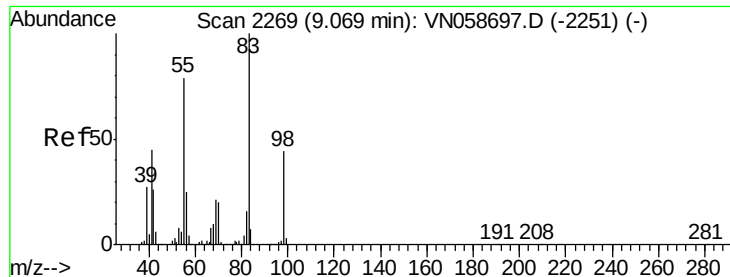
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#38
Carbon Tetrachloride
Concen: 23.078 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.7	113.5
121	29.2	23.9	35.9





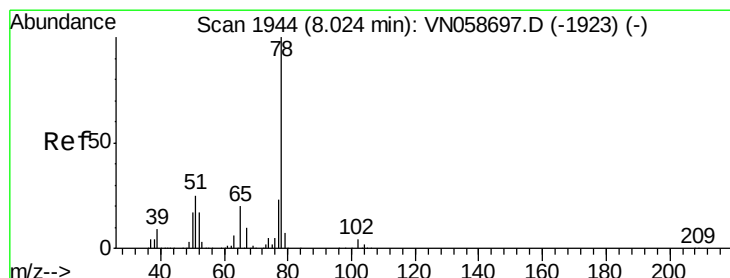
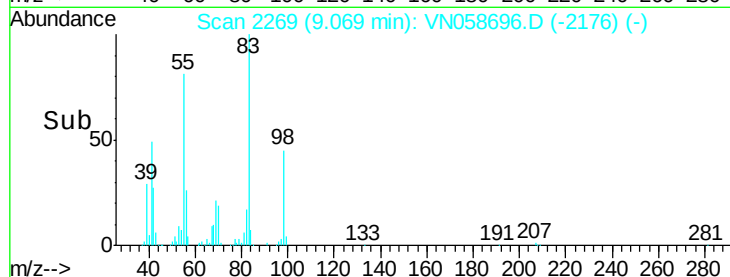
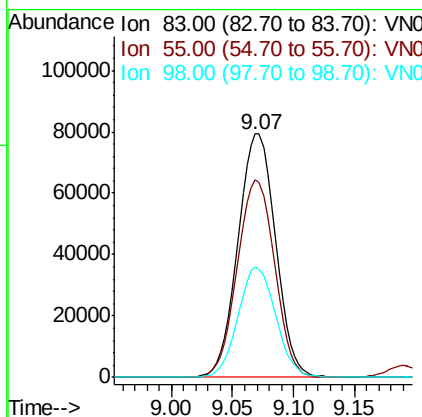
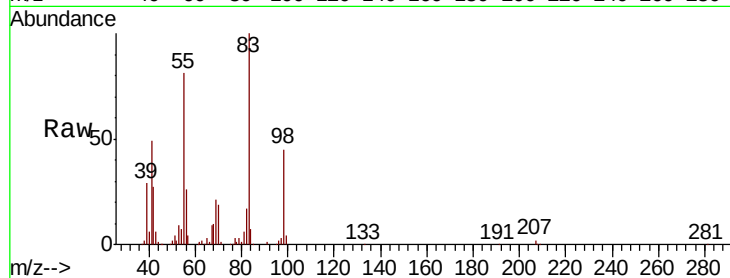
#39
Methvlcvclohexane
Concen: 21.033 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	63.4	95.0
98	45.5	35.1	52.7

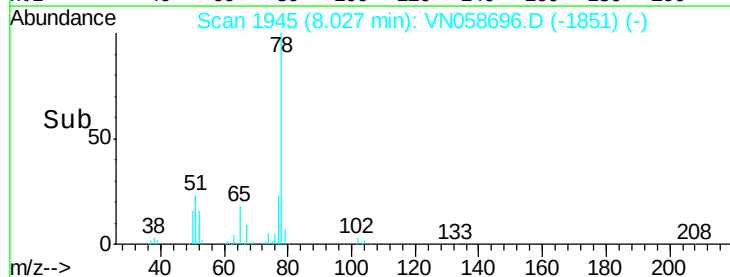
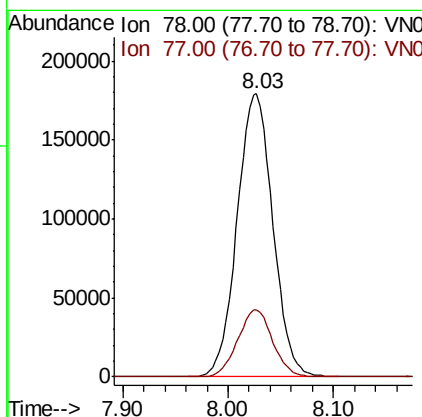
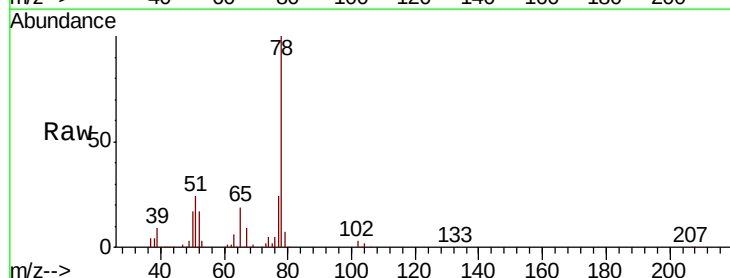
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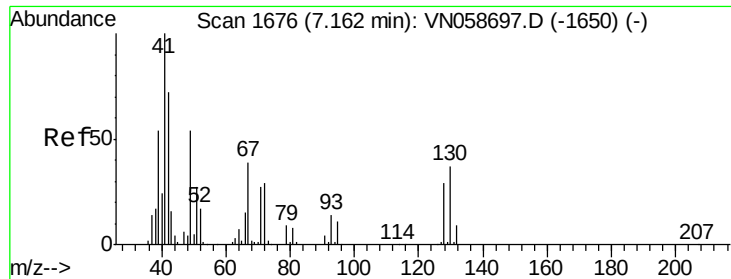
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#40
Benzene
Concen: 21.339 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





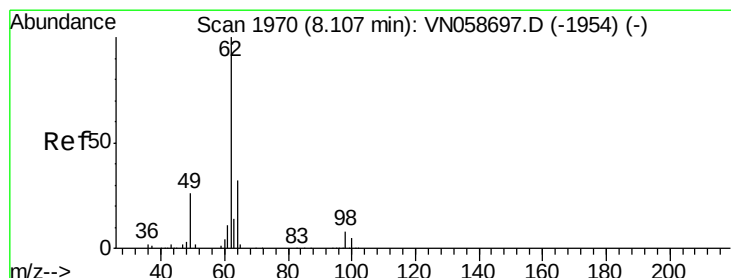
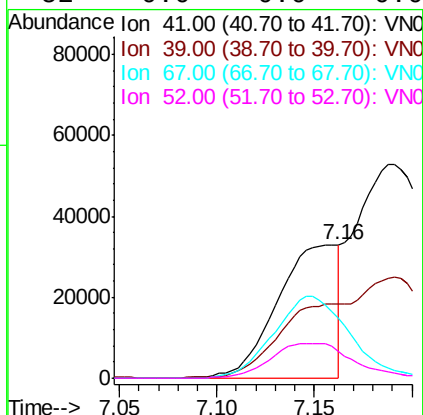
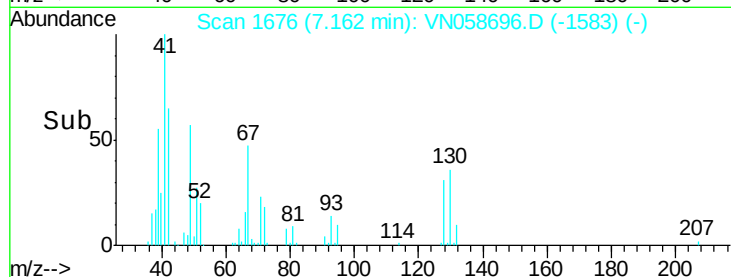
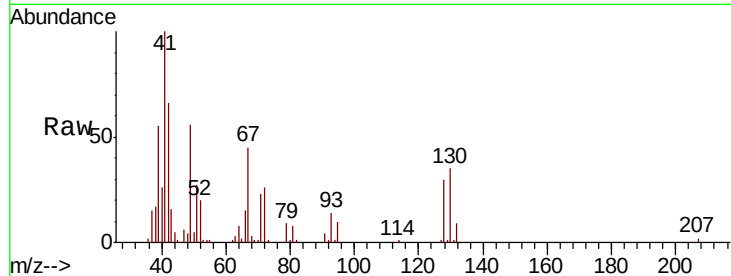
#41
Methacrylonitrile
Concen: 25.181 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	115.4	173.2#	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

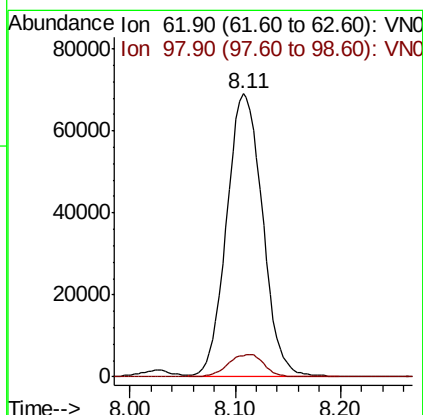
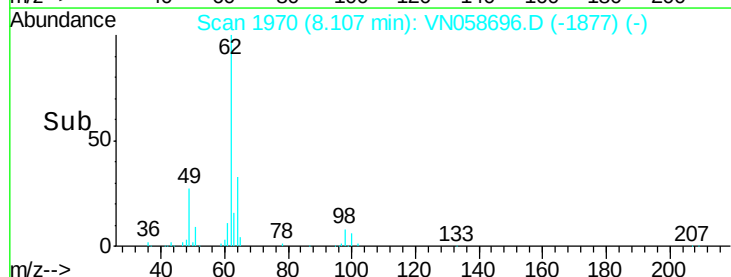
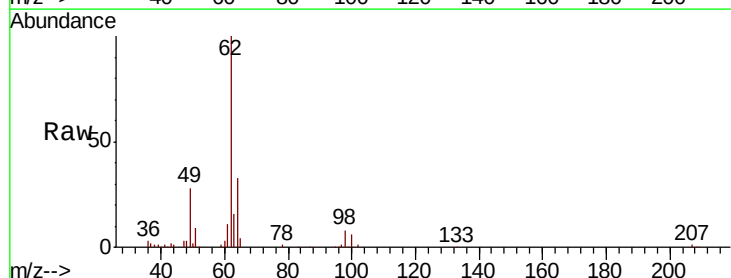
Manual Integrations
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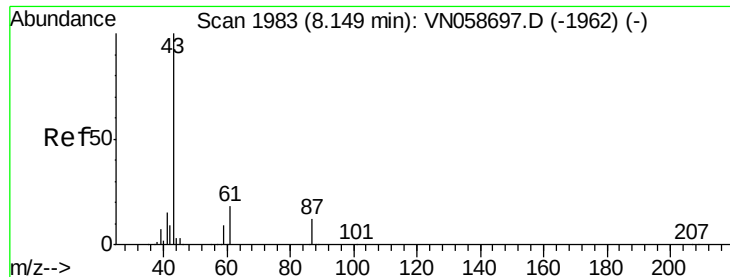
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.240 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	15.8	





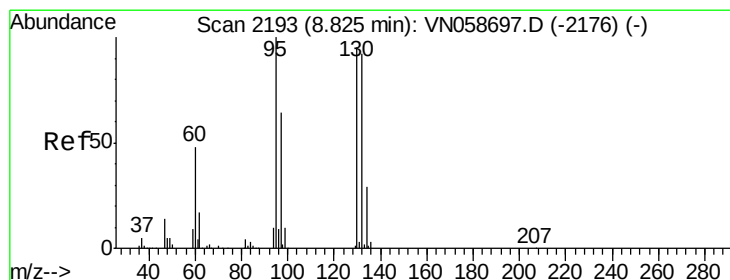
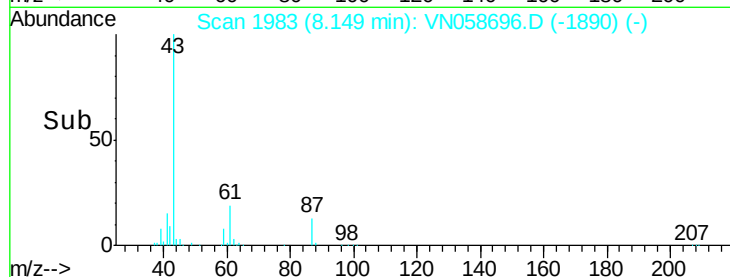
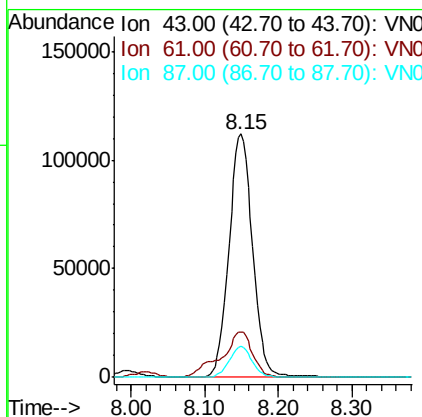
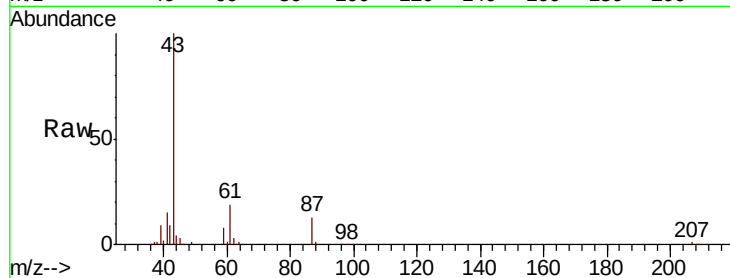
#43
Isopropyl Acetate
Concen: 22.073 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.3	30.5
87	12.3	9.8	14.6

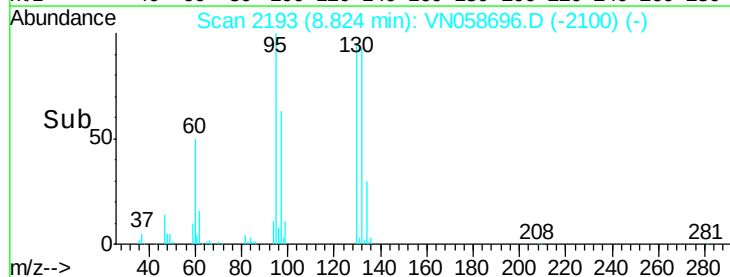
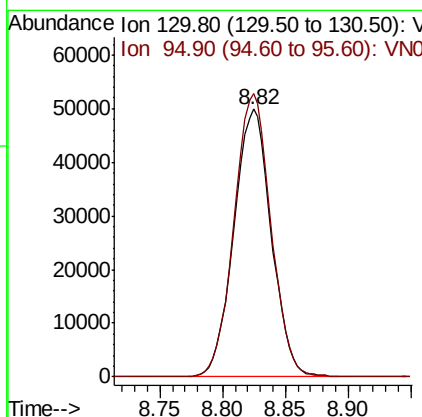
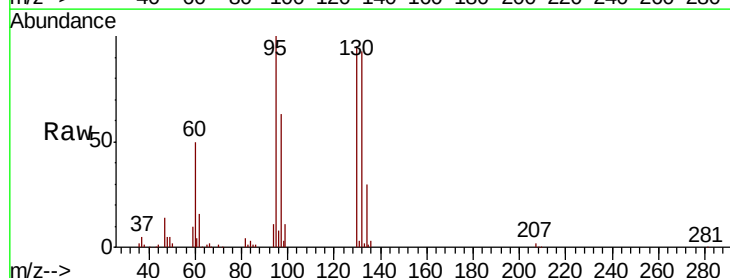
Manual Integrations
APPROVED

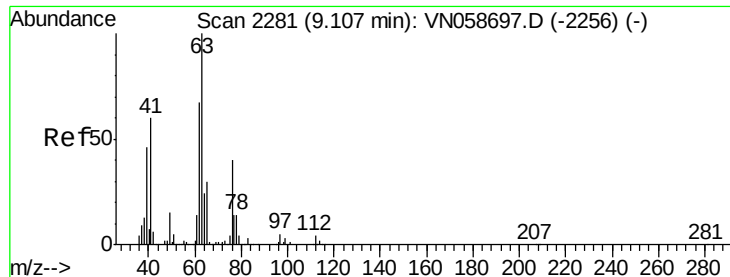
MMDadoda
10/16/2019 12:48:17 AM



#44
Trichloroethene
Concen: 21.256 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	211.2





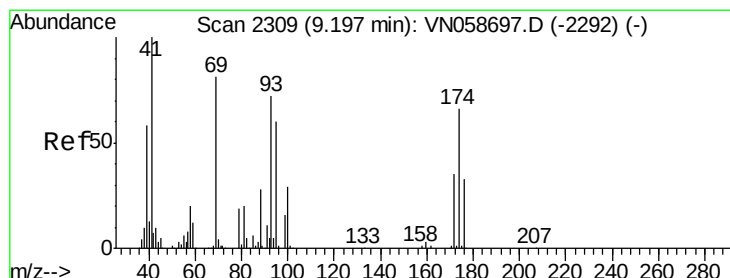
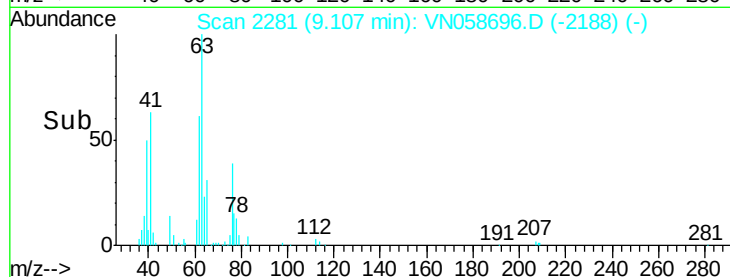
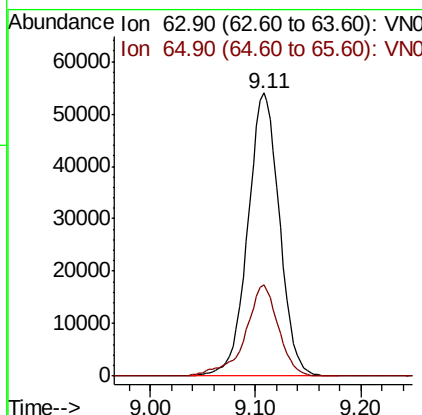
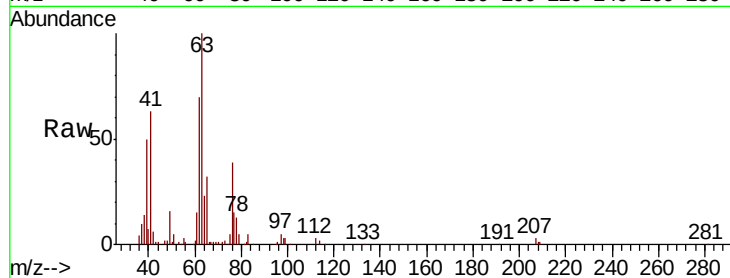
#45
 1,2-Dichloropropane
 Concen: 21.311 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.1	36.1

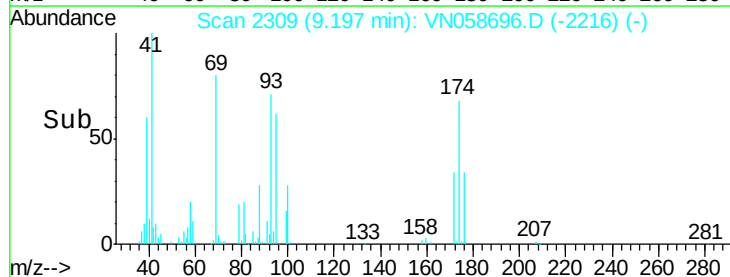
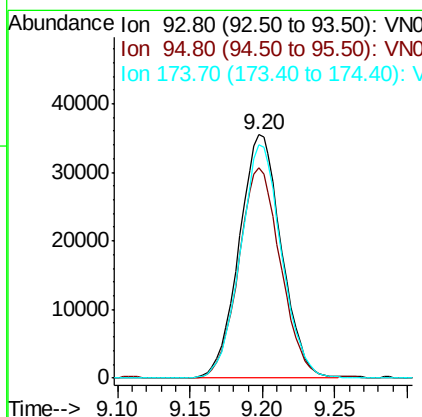
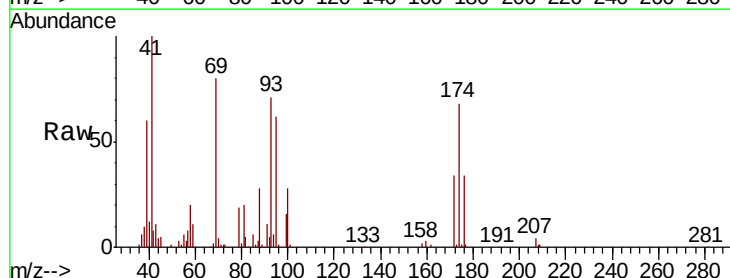
Manual Integrations
 APPROVED

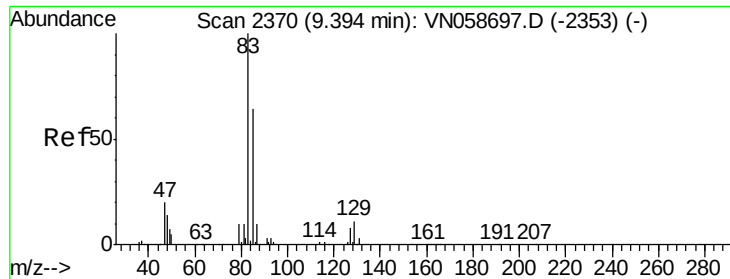
MMDadoda
 10/16/2019 12:48:17 AM



#46
 Dibromomethane
 Concen: 21.374 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.7	66.6	100.0
174	93.4	75.2	112.8





#47

Bromodichloromethane

Concen: 22.423 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

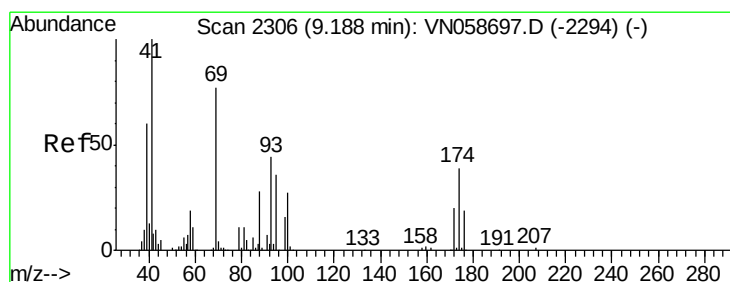
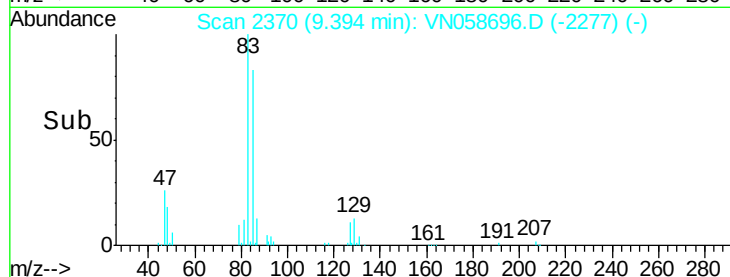
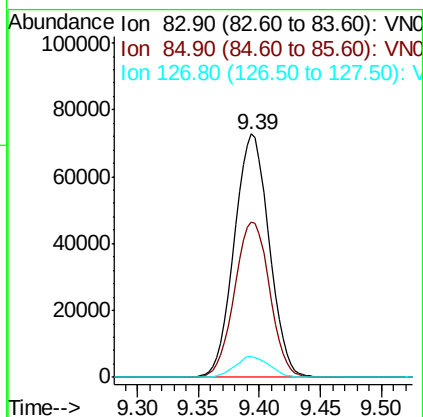
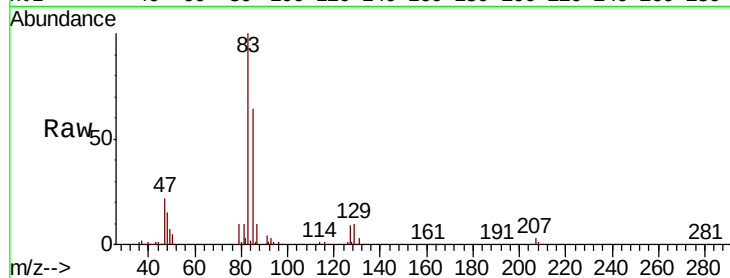
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	144118
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.9	76.3
127	8.7	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:17 AM



#48

Methyl methacrylate

Concen: 22.216 ug/l

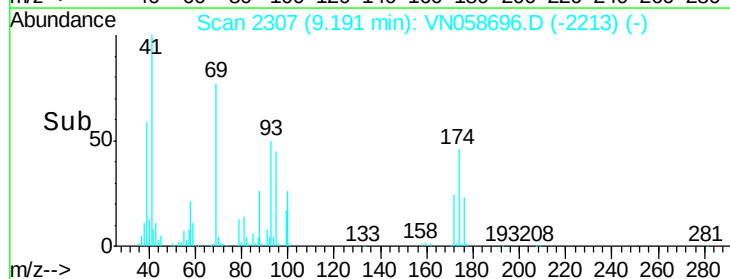
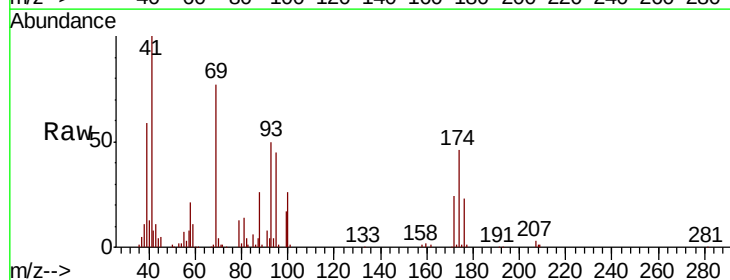
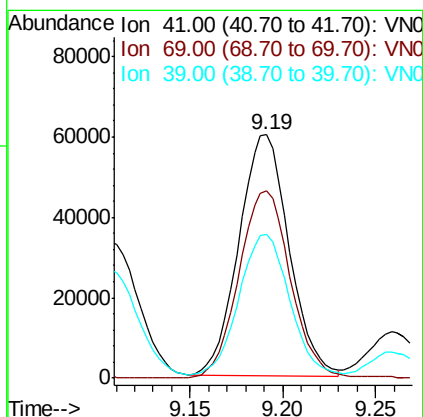
RT: 9.19 min Scan# 2307

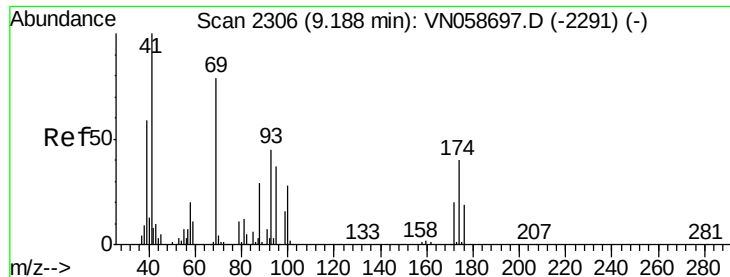
Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion:	41	Resp:	112819
Ion	Ratio	Lower	Upper
41	100		
69	80.6	63.4	95.2
39	61.3	48.9	73.3





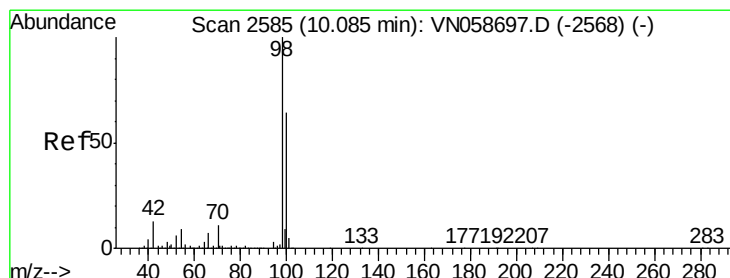
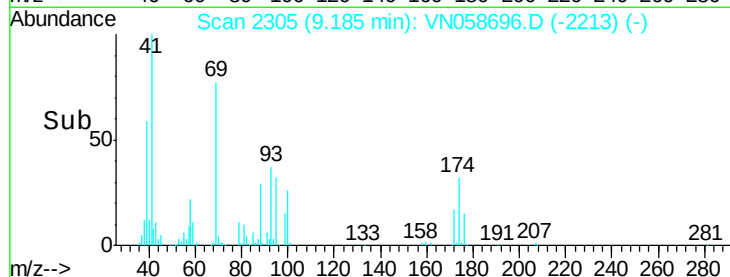
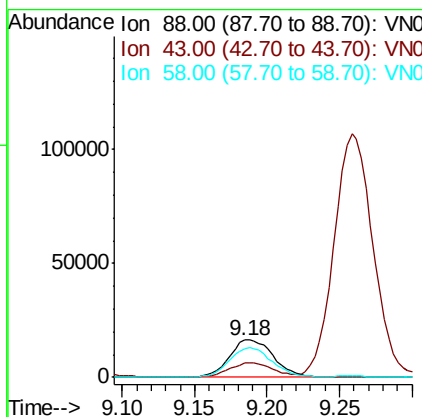
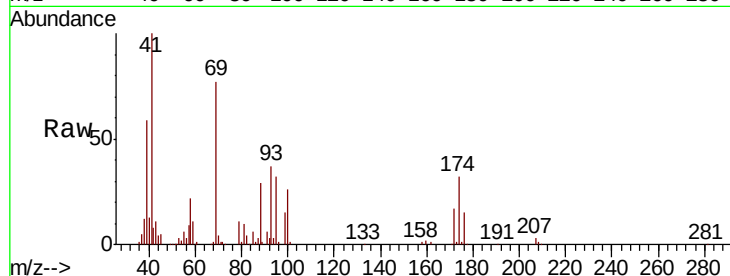
#49
1,4-Dioxane
Concen: 506.858 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.6	43.0
58	76.3	57.2	85.8

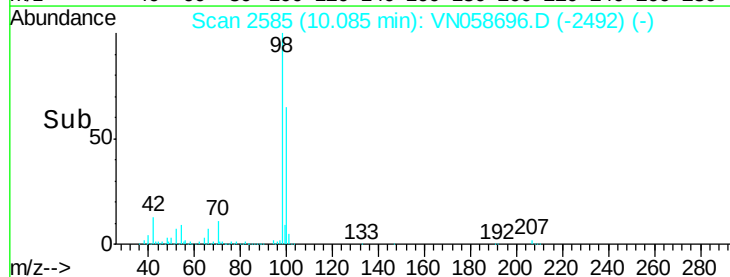
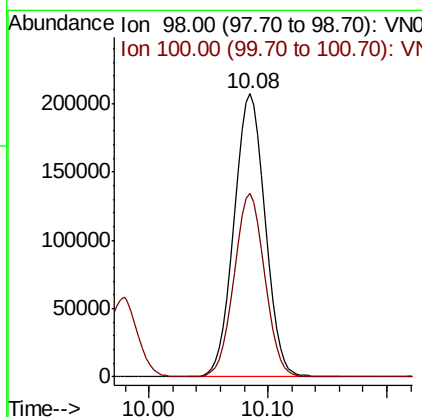
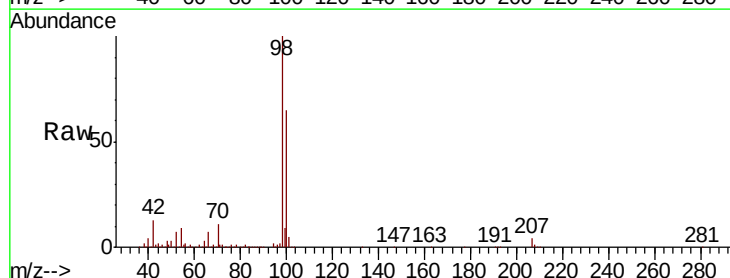
Manual Integrations
APPROVED

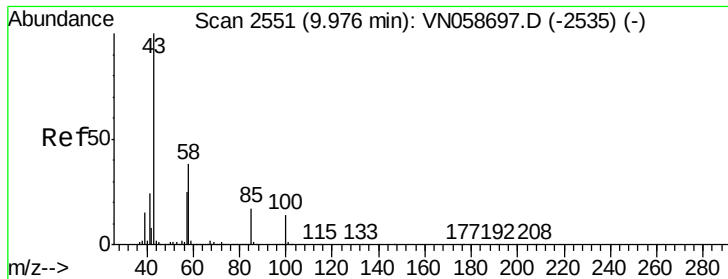
MMDadoda
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#50
Toluene-d8
Concen: 21.882 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 129.231 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 756463

Ion Ratio Lower Upper

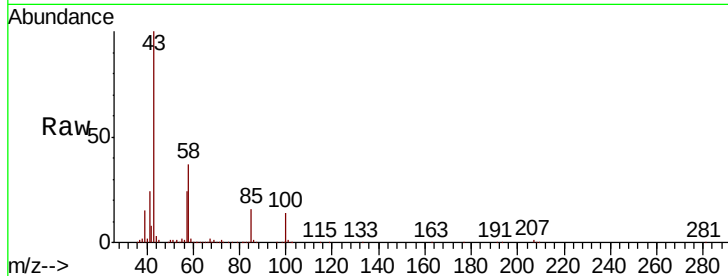
43 100

58 36.9 30.3 45.5

Manual Integrations
APPROVED

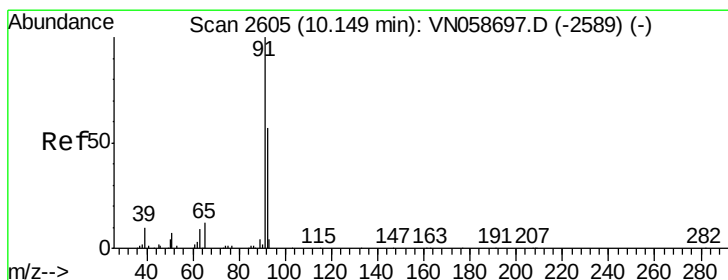
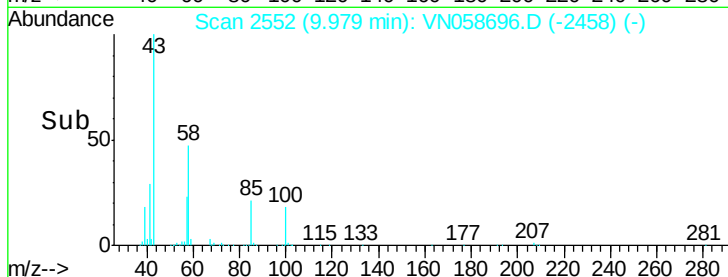
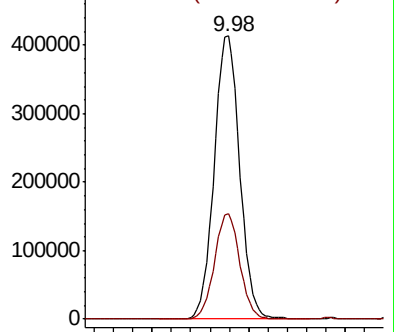
MMDadoda

10/16/2019 12:48:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D

Ion 58.00 (57.70 to 58.70): VN058697.D



#52

Toluene

Concen: 20.466 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058696.D

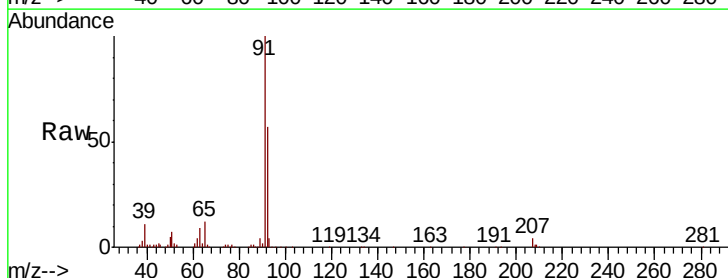
Acq: 11 Oct 2019 12:14

Tgt Ion: 92 Resp: 254921

Ion Ratio Lower Upper

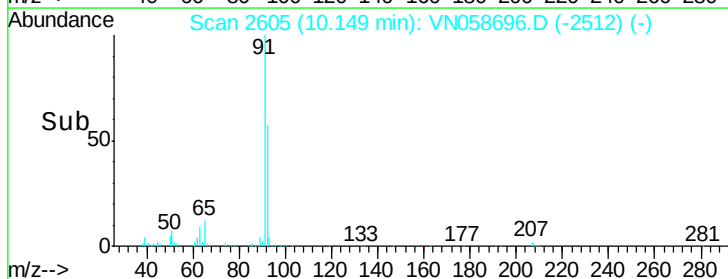
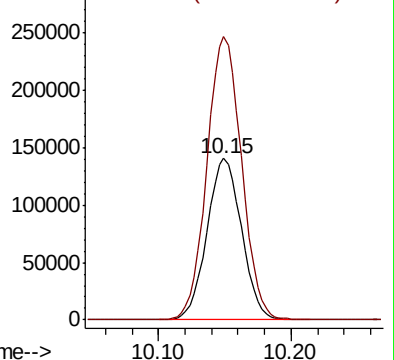
92 100

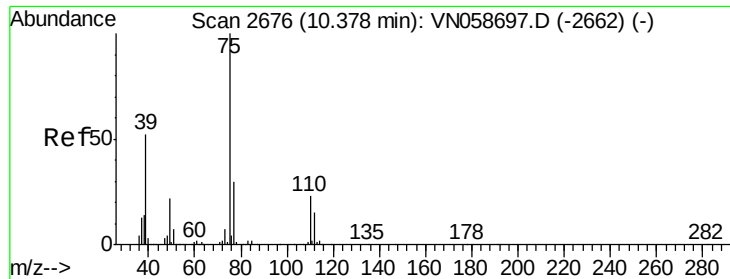
91 176.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D

Ion 91.00 (90.70 to 91.70): VN058697.D





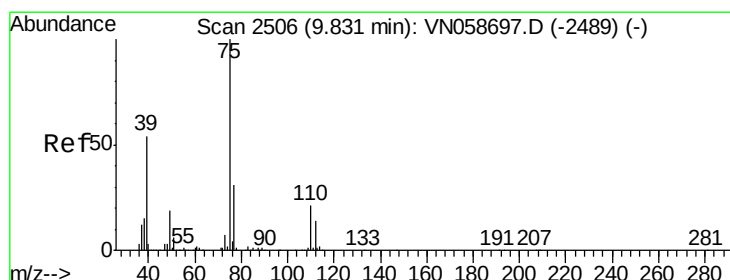
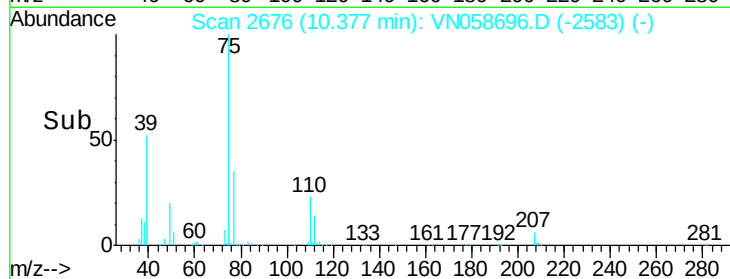
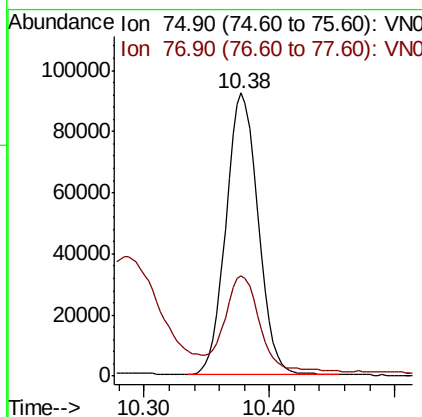
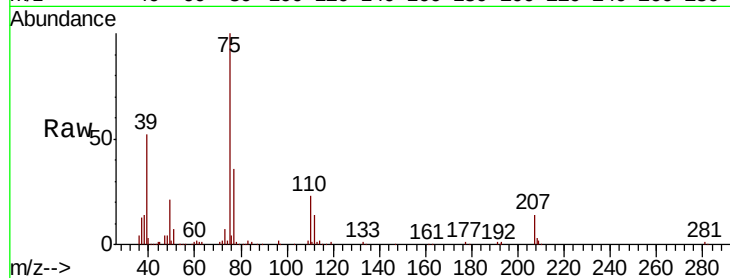
#53
t-1,3-Dichloropropene
Concen: 23.394 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 164149
Ion Ratio Lower Upper
75 100
77 33.9 26.2 39.4

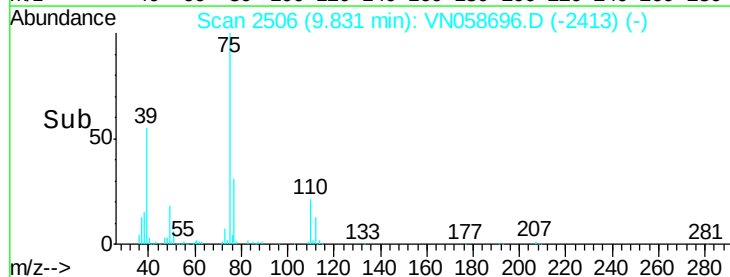
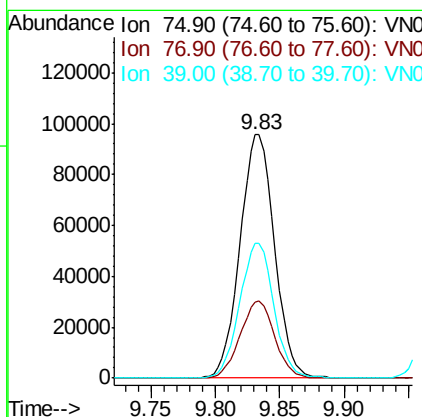
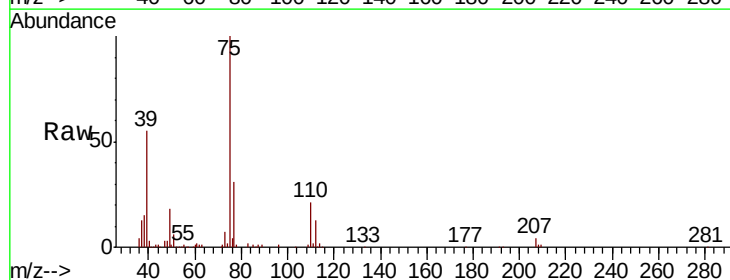
Manual Integrations
APPROVED

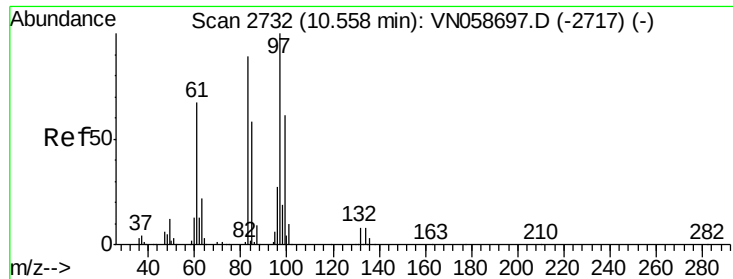
MMDadoda
10/16/2019 12:48:17 AM



#54
cis-1,3-Dichloropropene
Concen: 23.054 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 75 Resp: 178485
Ion Ratio Lower Upper
75 100
77 31.2 24.4 36.6
39 55.4 43.1 64.7





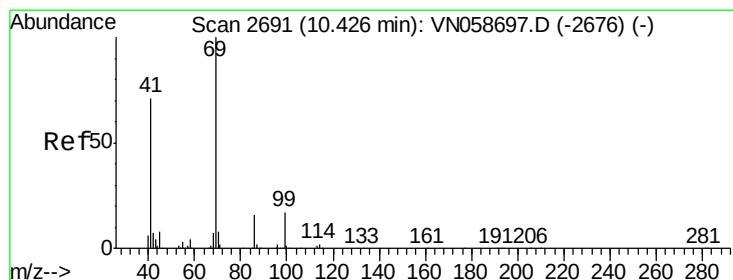
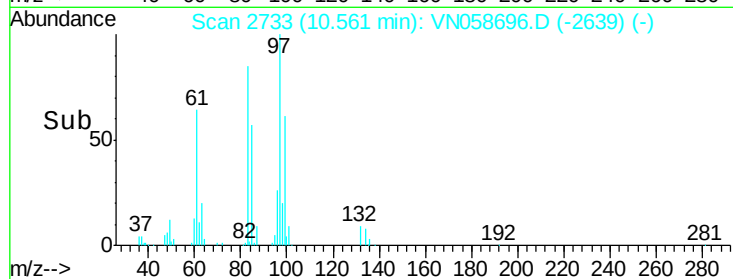
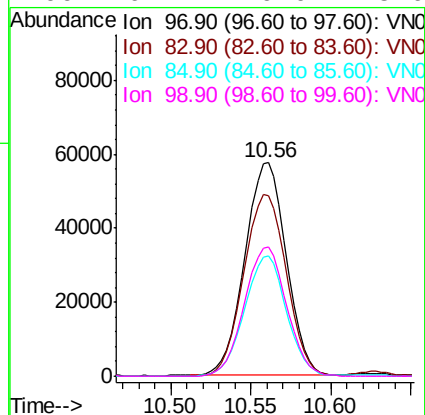
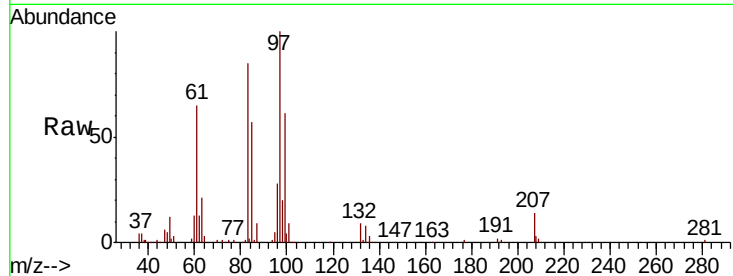
#55
 1,1,2-Trichloroethane
 Concen: 22.312 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	101526
Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.2	106.8
85	56.8	46.7	70.1
99	61.1	49.0	73.6

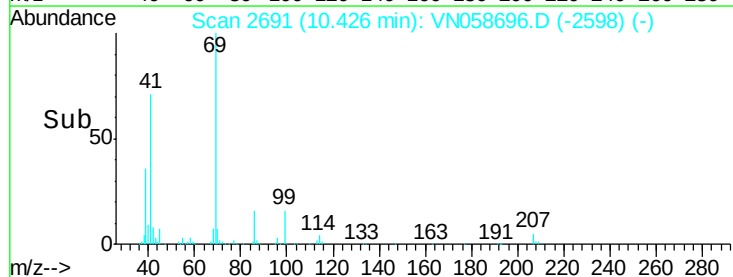
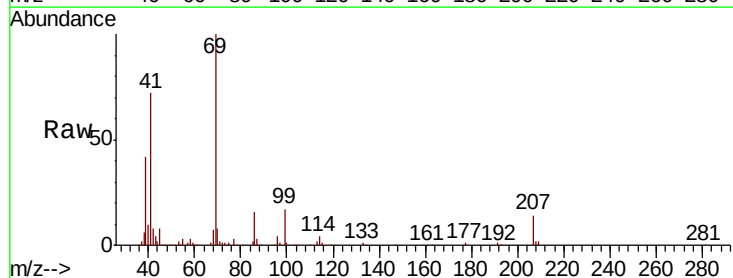
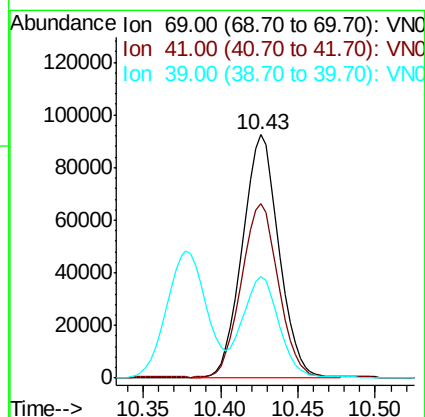
Manual Integrations
 APPROVED

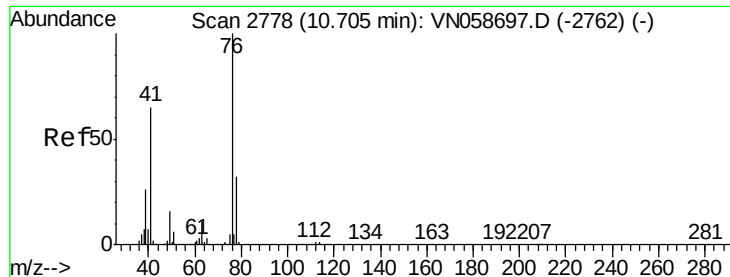
MMDadoda
 10/16/2019 12:48:17 AM



#56
 Ethyl methacrylate
 Concen: 21.925 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion:	69	Resp:	152466
Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.8	85.2
39	40.8	32.5	48.7





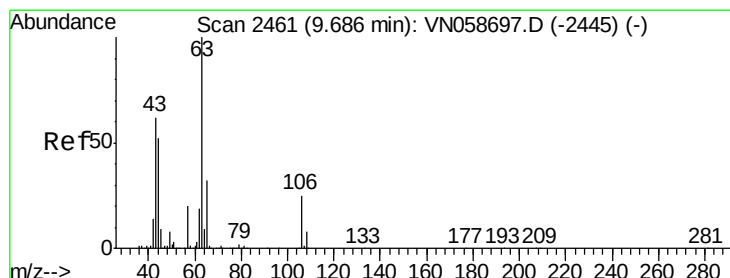
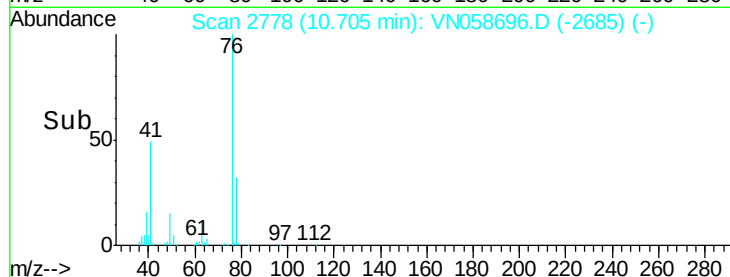
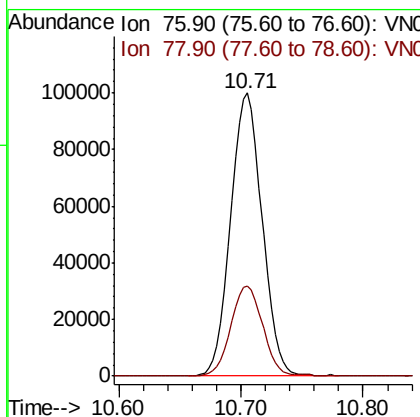
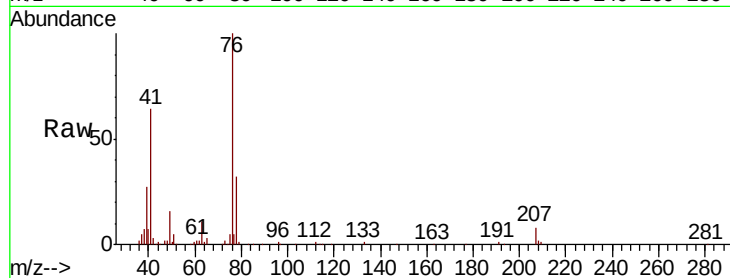
#57
 1,3-Dichloropropane
 Concen: 22.131 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

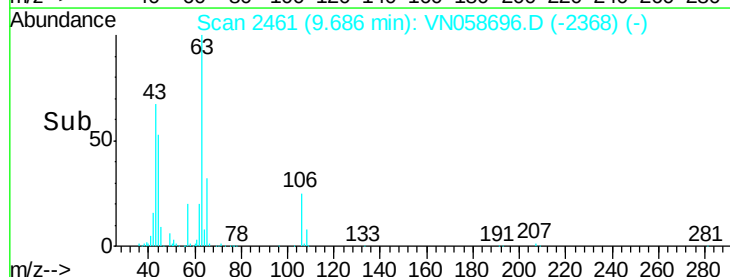
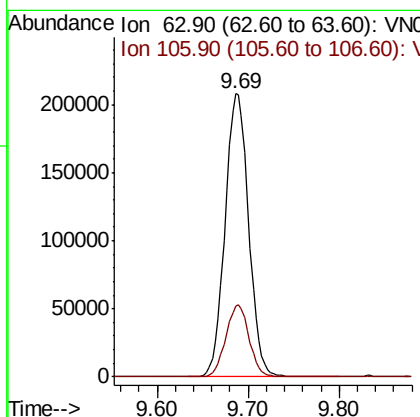
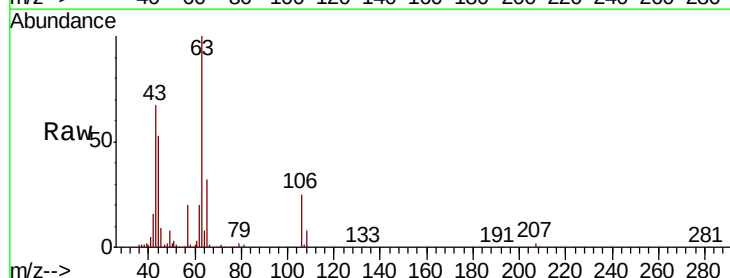
Manual Integrations
 APPROVED

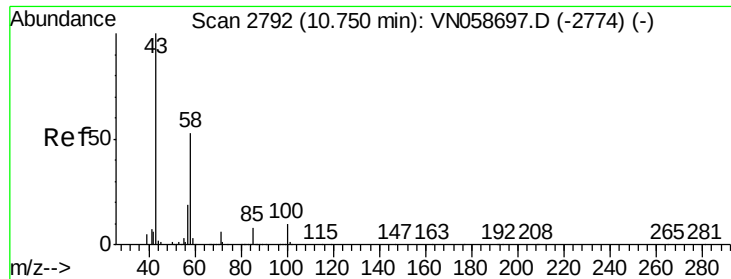
MMDadoda
 10/16/2019 12:48:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 130.096 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.0	30.0





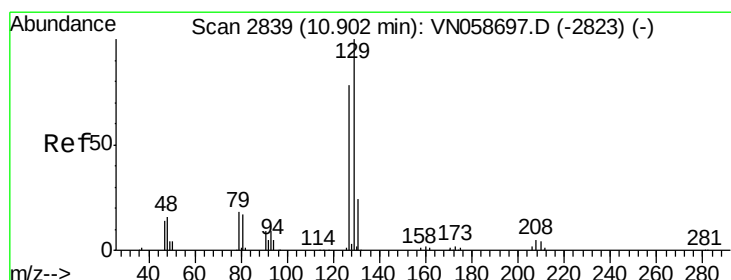
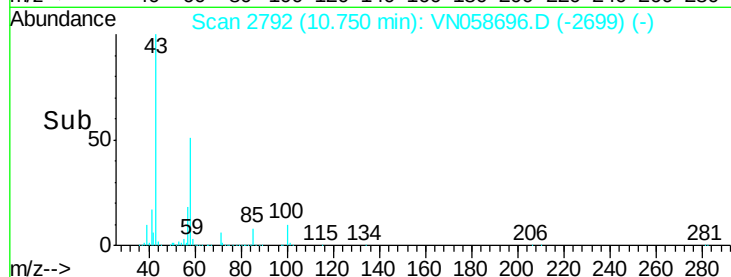
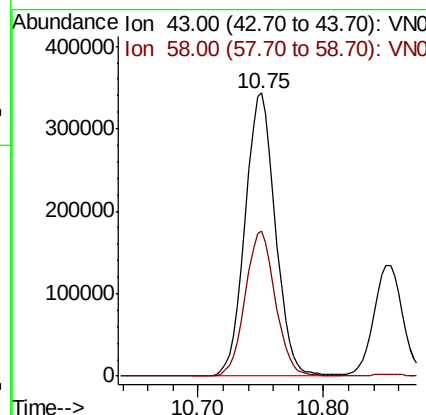
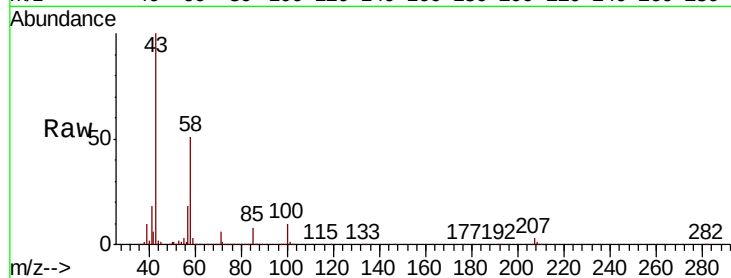
#59
2-Hexanone
Concen: 133.671 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	26.1	78.3

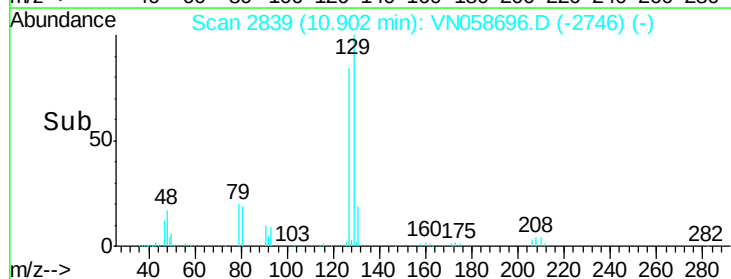
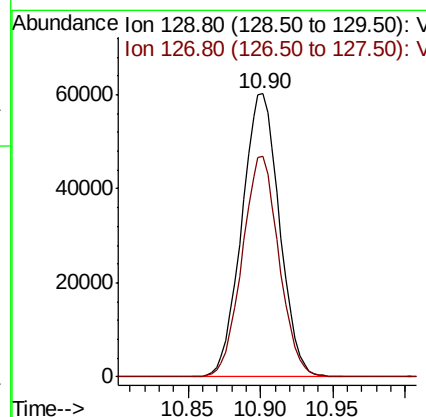
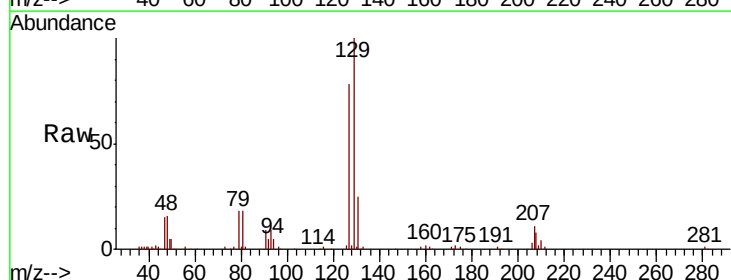
Manual Integrations
APPROVED

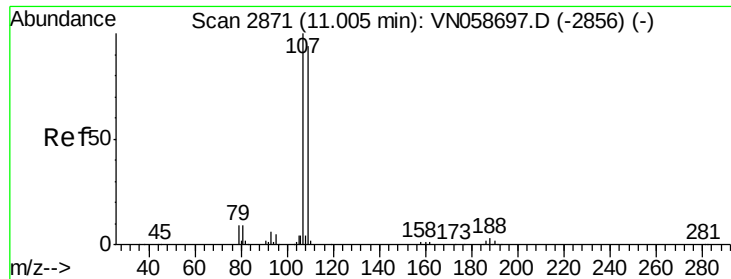
MMDadoda
10/16/2019 12:48:17 AM



#60
Dibromochloromethane
Concen: 24.783 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.5	115.3





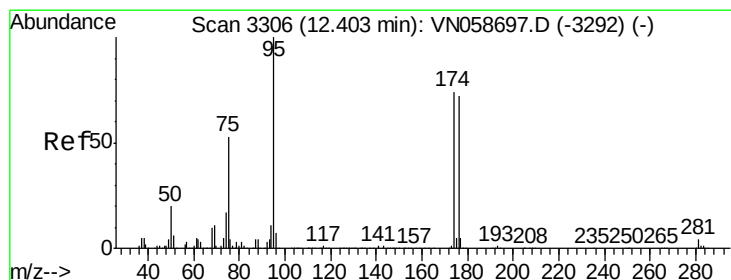
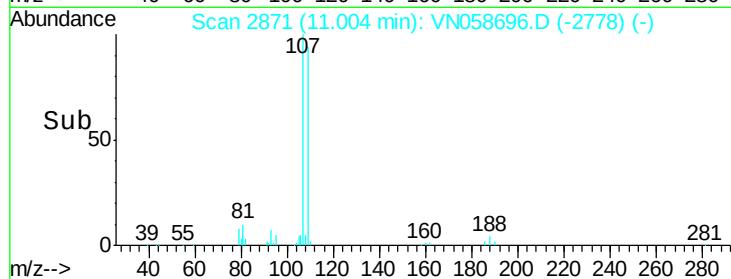
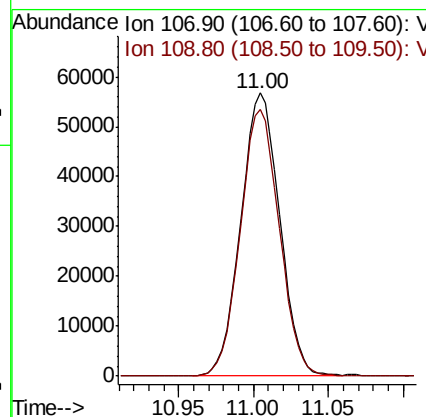
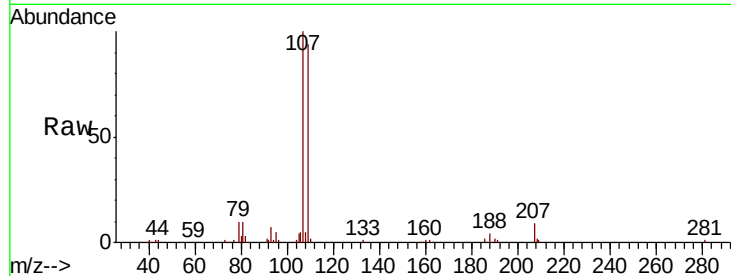
#61
 1,2-Dibromoethane
 Concen: 22.007 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
107	100	102737		
109	94.8	75.4	113.0	

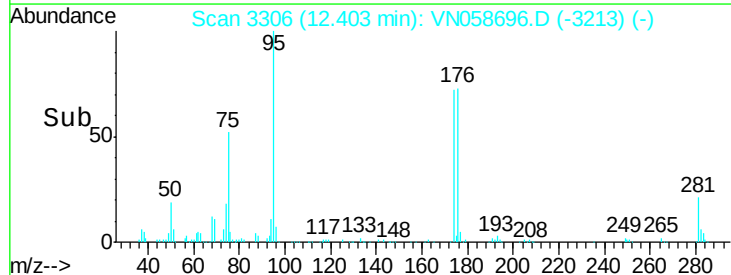
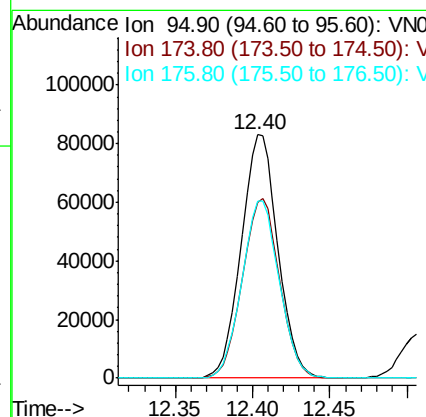
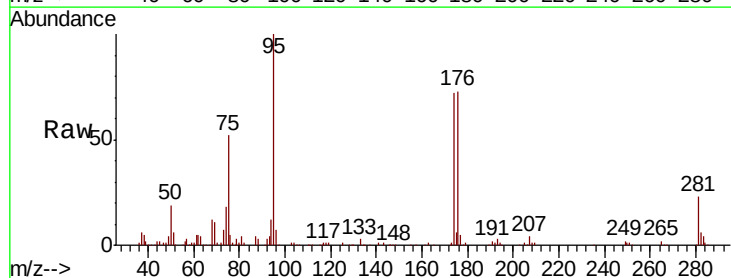
Manual Integrations
 APPROVED

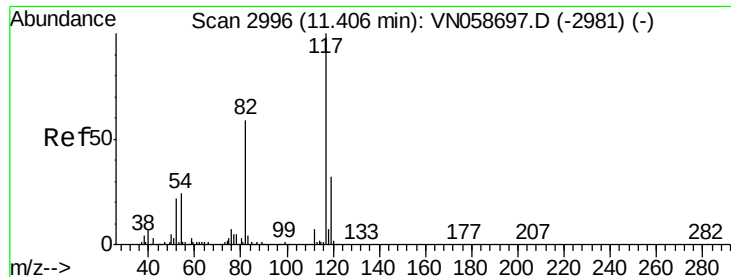
MMDadoda
 10/16/2019 12:48:17 AM



#62
 4-Bromofluorobenzene
 Concen: 21.770 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	136700		
174	74.8	0.0	150.4	
176	74.4	0.0	146.8	





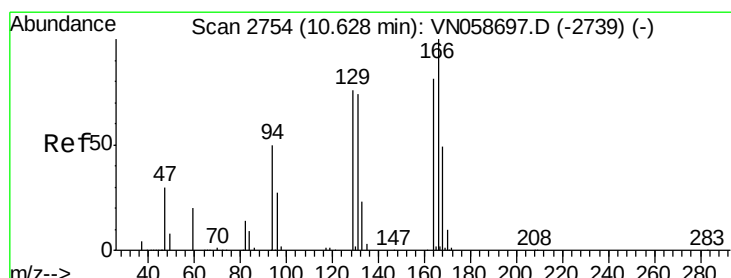
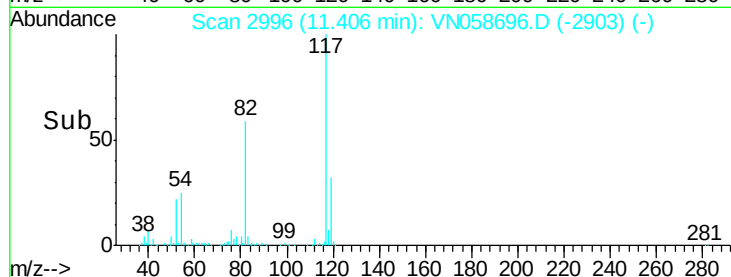
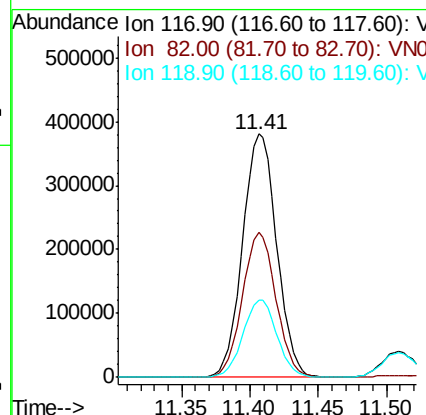
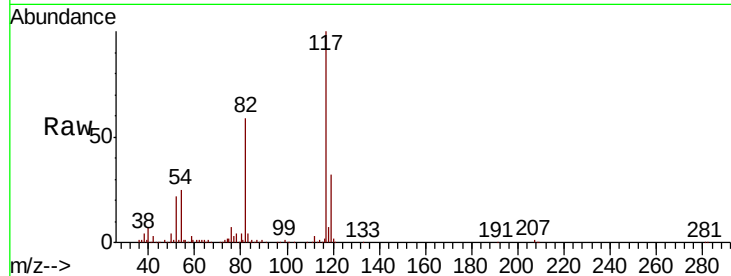
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	660995		
82	59.4		47.0	70.4
119	31.9		25.4	38.2

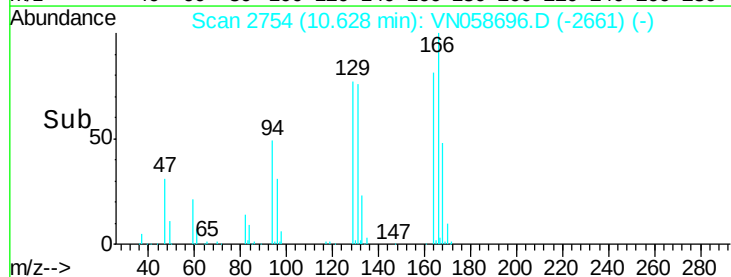
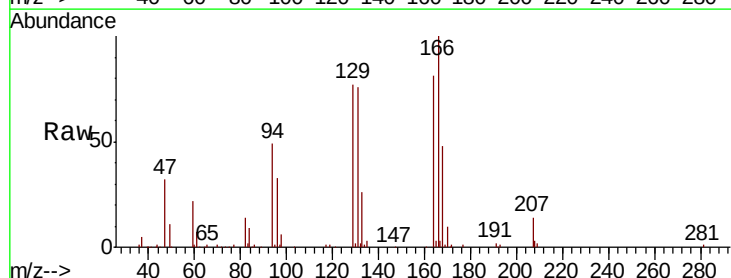
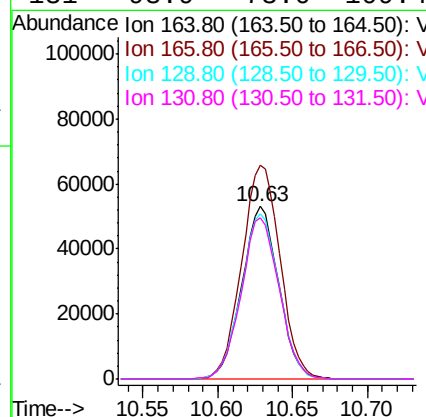
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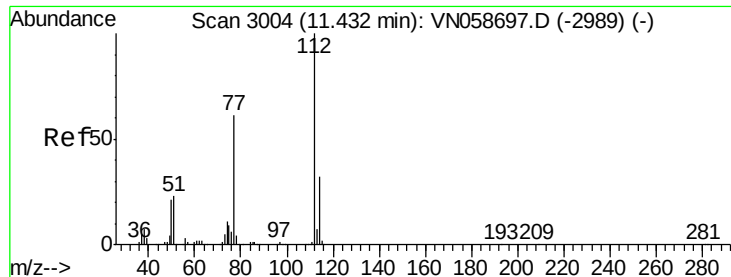
MMDadoda
10/16/2019 12:48:17 AM



#64
Tetrachloroethene
Concen: 21.450 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91202		
166	123.9		99.3	148.9
129	96.0		75.2	112.8
131	93.9		73.0	109.4





#65

Chlorobenzene

Concen: 20.606 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 270974

Ion Ratio Lower Upper

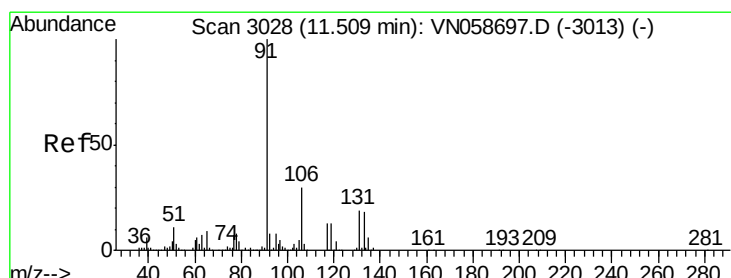
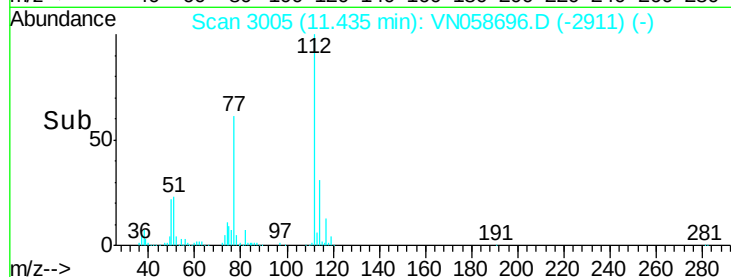
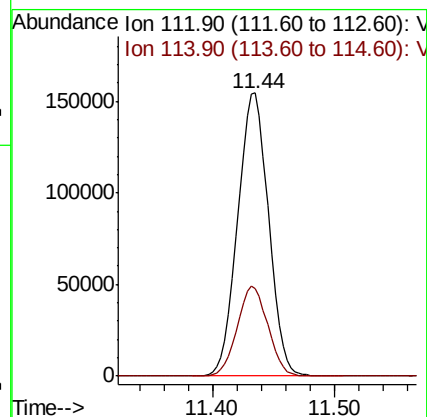
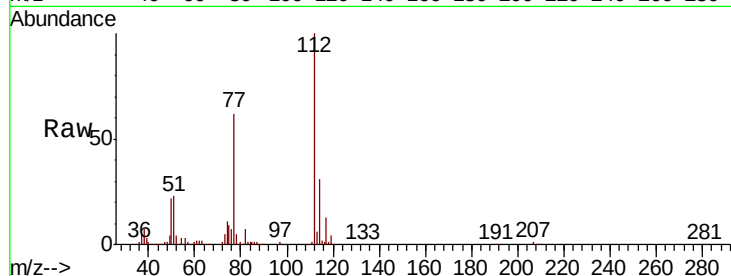
112 100

114 31.1 25.2 37.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 22.308 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

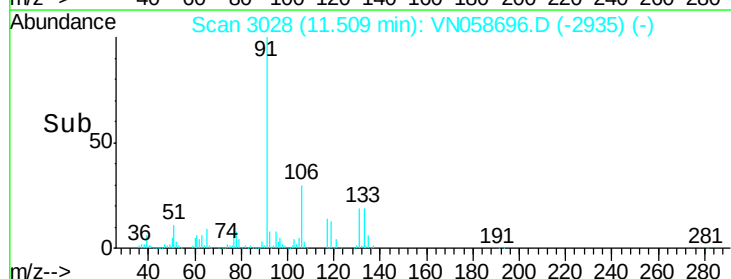
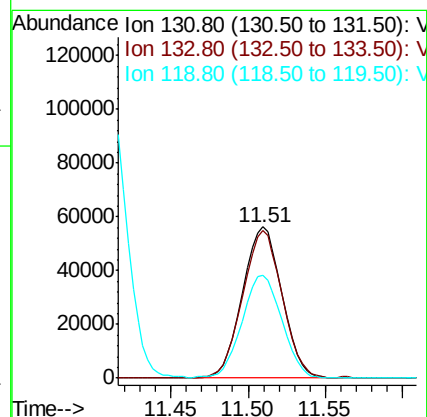
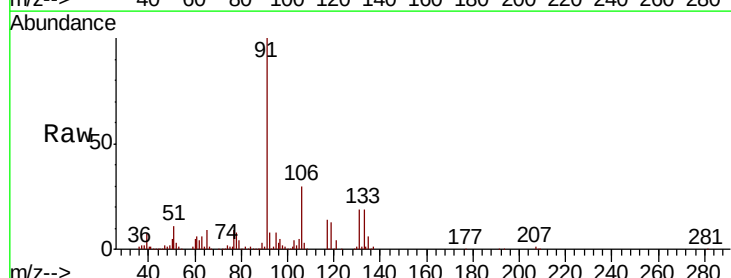
Tgt Ion:131 Resp: 99862

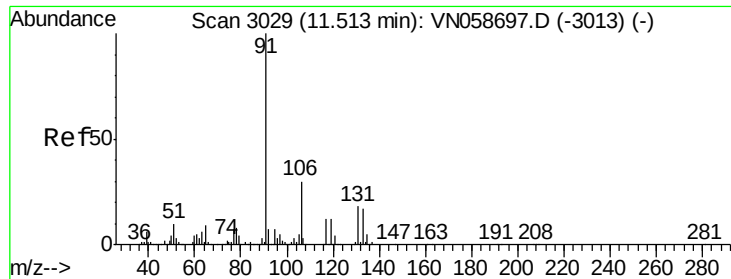
Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

119 68.8 33.0 98.9





#67

Ethyl Benzene

Concen: 20.831 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 496944

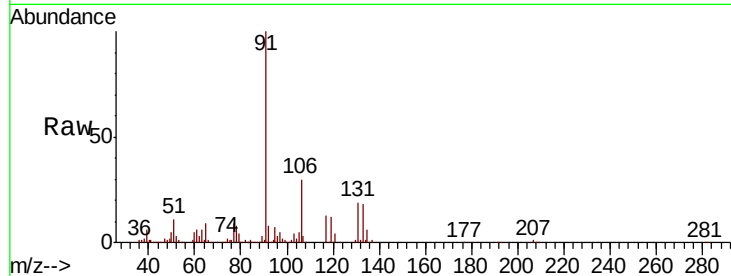
Ion Ratio Lower Upper

91 100

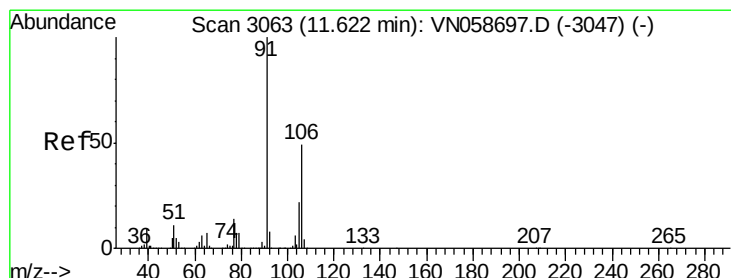
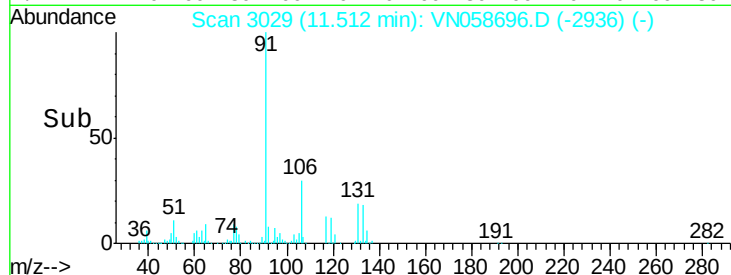
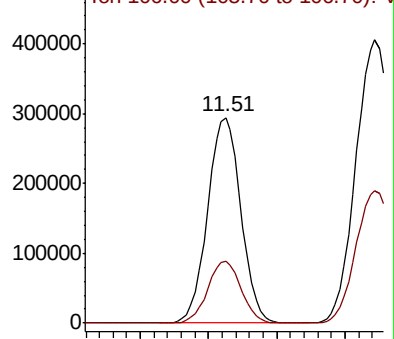
106 30.3 24.1 36.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3013) (-)



#68

m/p-Xylenes

Concen: 40.947 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058696.D

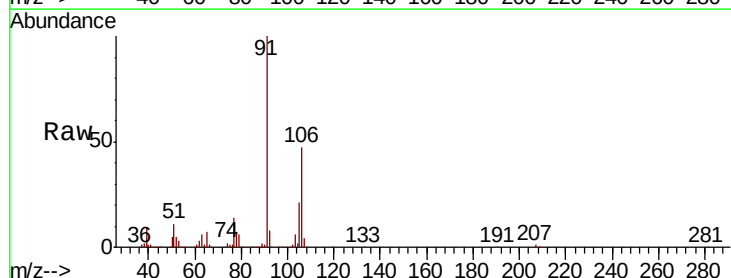
Acq: 11 Oct 2019 12:14

Tgt Ion: 106 Resp: 367562

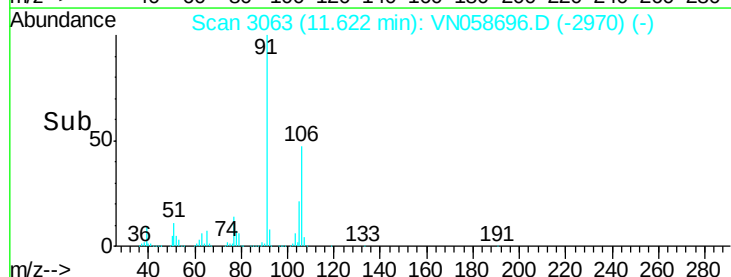
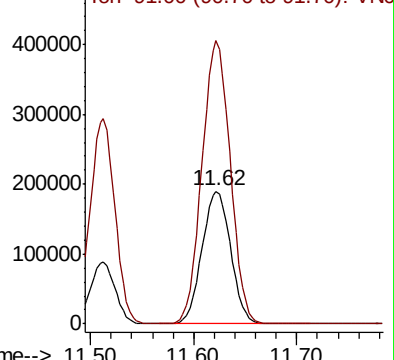
Ion Ratio Lower Upper

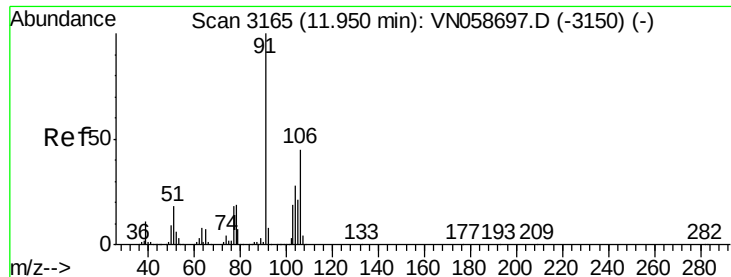
106 100

91 210.8 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058697.D (-3047) (-)





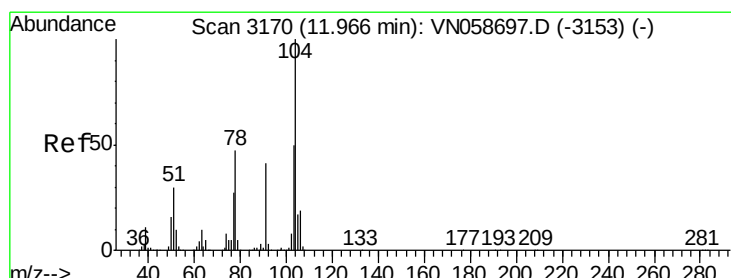
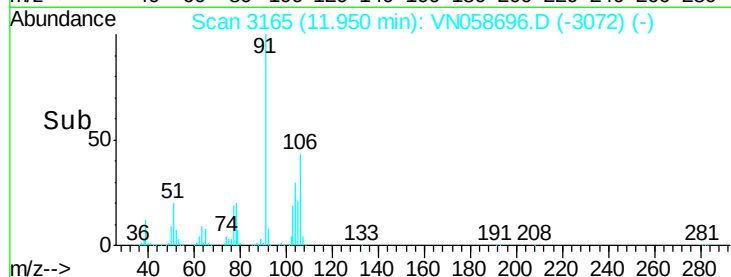
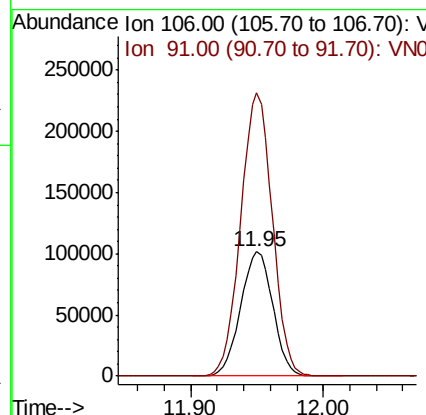
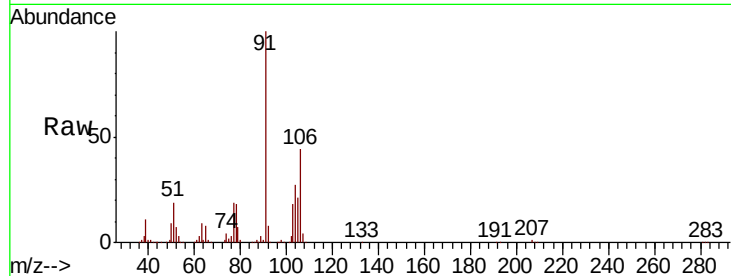
#69
o-Xylene
Concen: 19.920 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	223.5	110.9	332.9	

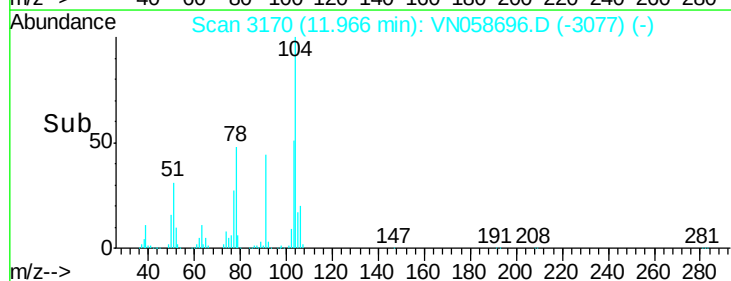
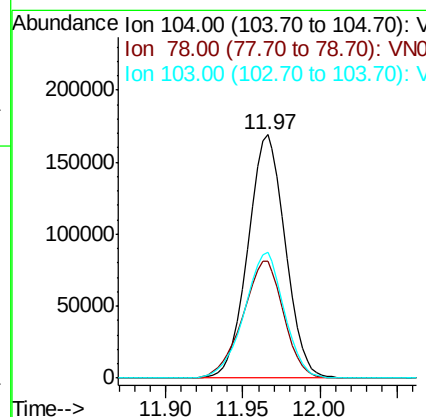
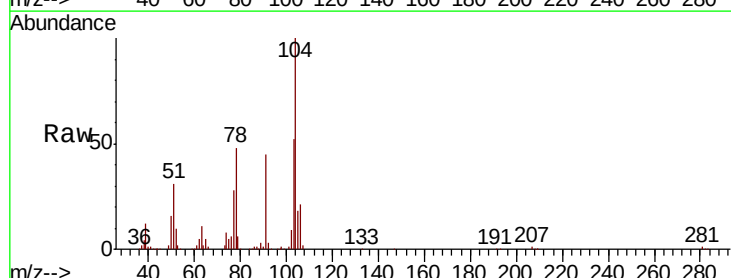
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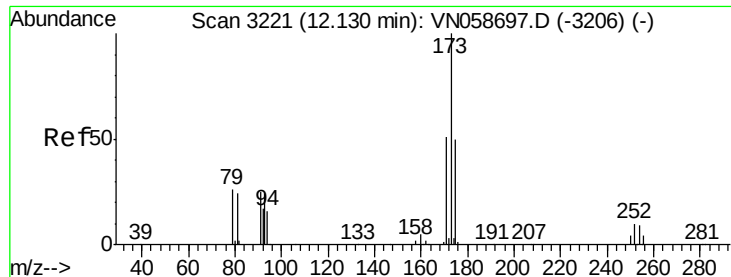
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#70
Styrene
Concen: 20.334 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.0	42.2	63.2	
103	55.2	43.7	65.5	





#71

Bromoform

Concen: 25.061 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

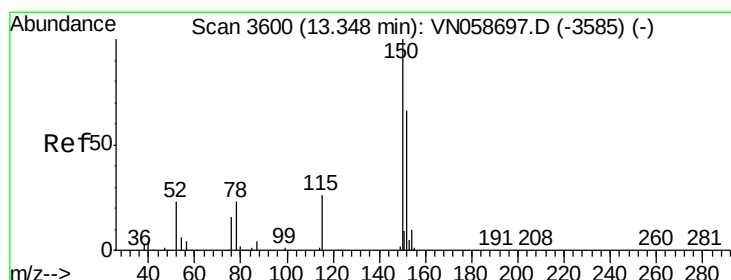
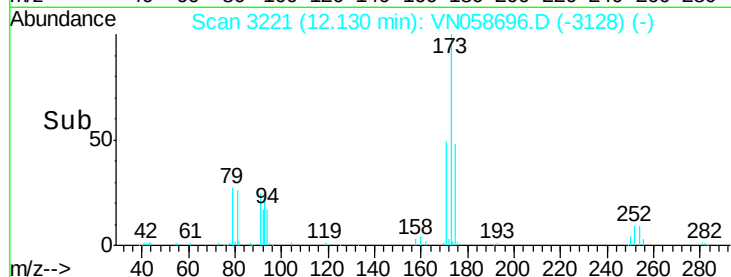
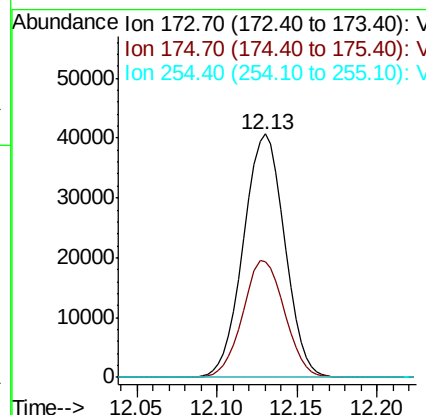
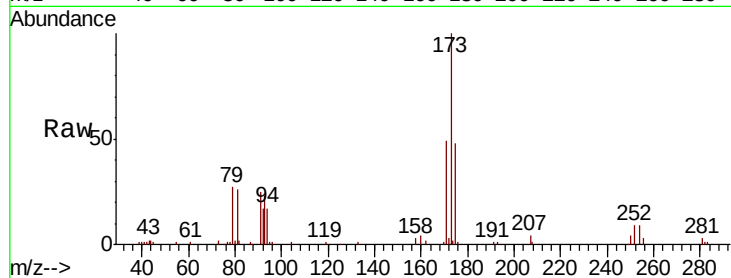
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.8
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

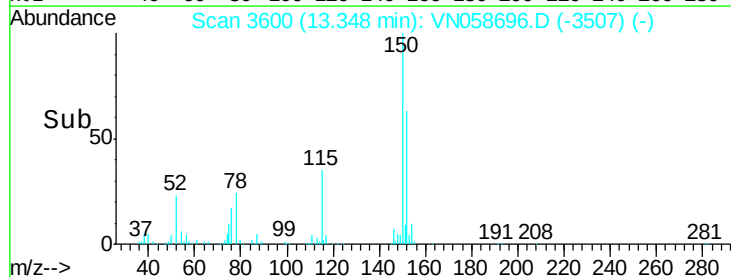
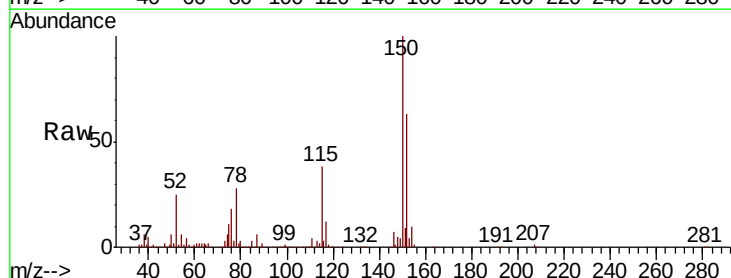
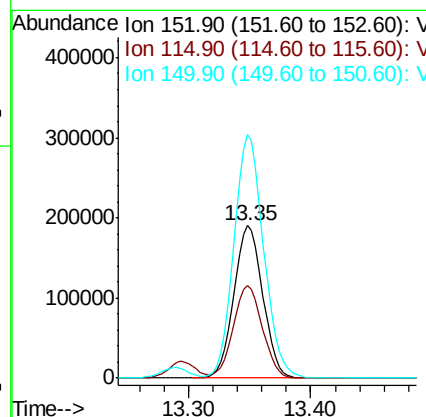
RT: 13.35 min Scan# 3600

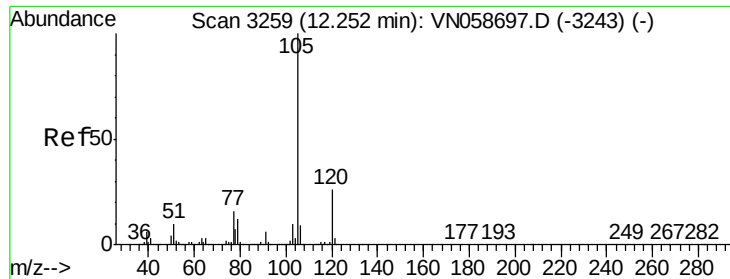
Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.4	91.2
150	164.8	0.0	345.4





#73

Isopropylbenzene

Concen: 20.839 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 480096

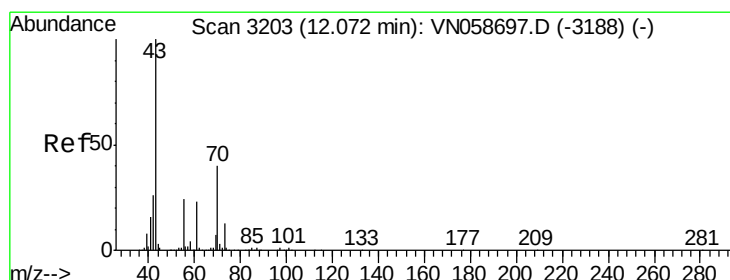
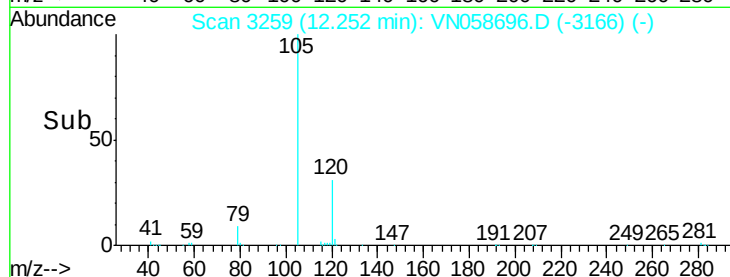
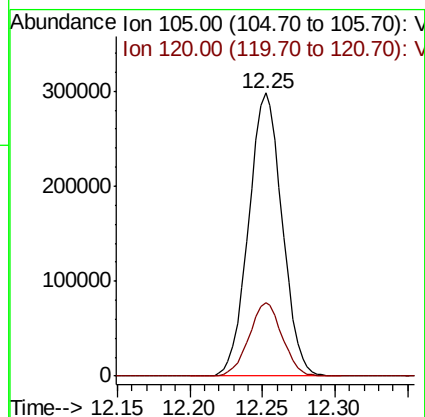
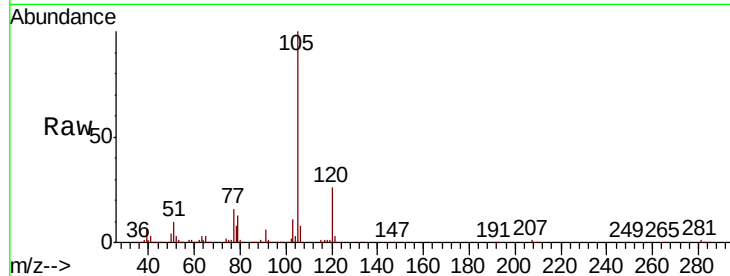
Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.1

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#74

N-ethyl acetate

Concen: 22.559 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion: 43 Resp: 210854

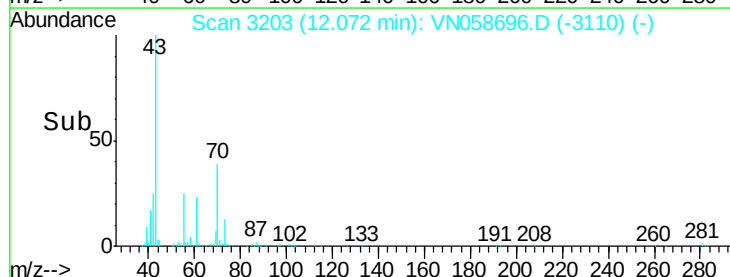
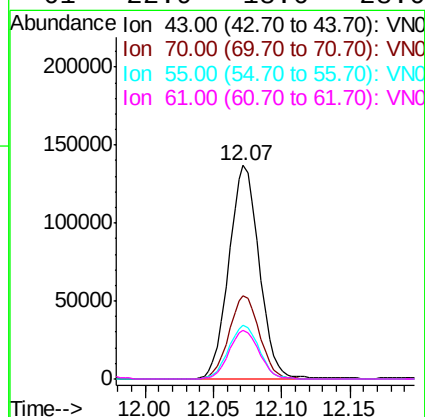
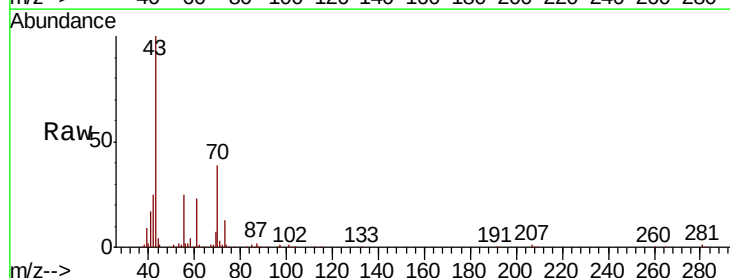
Ion Ratio Lower Upper

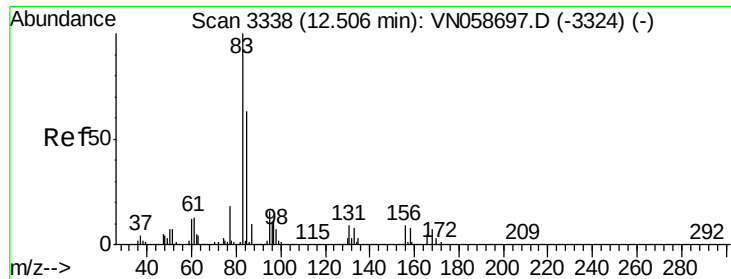
43 100

70 39.5 32.2 48.4

55 25.5 19.6 29.4

61 22.9 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.985 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

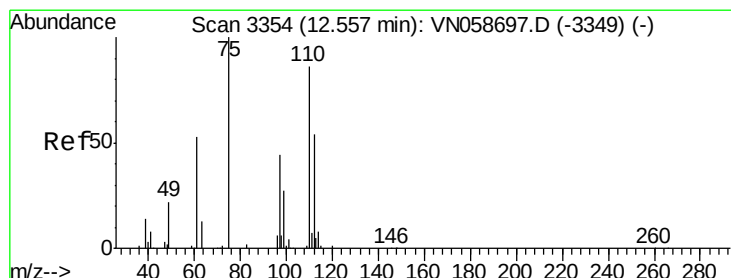
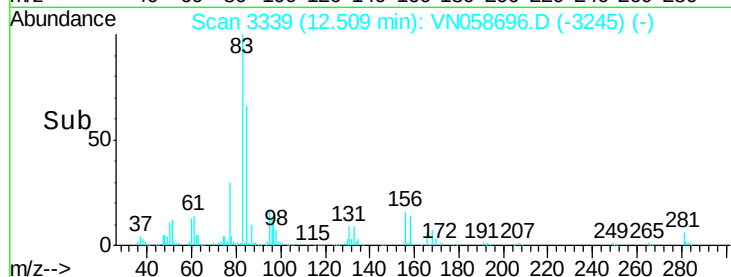
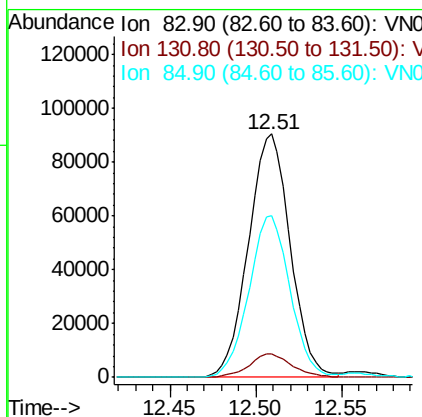
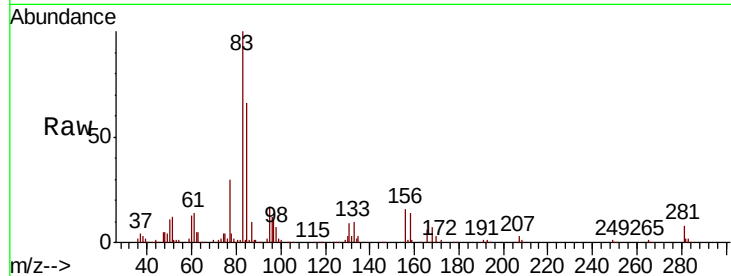
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	152525
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.4
85	65.1	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 24.176 ug/l m

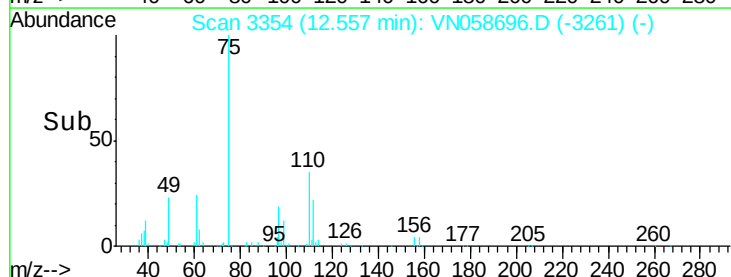
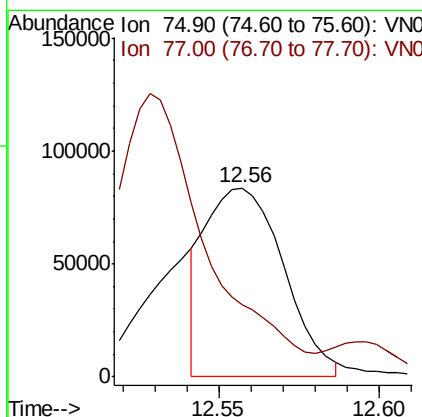
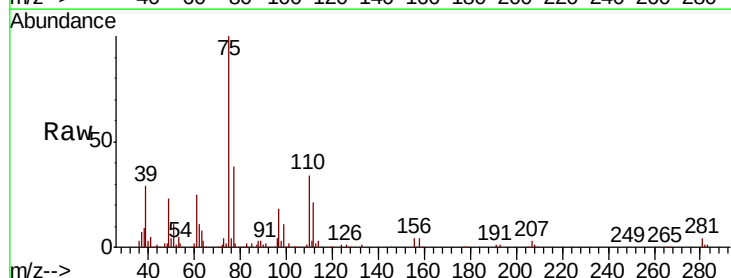
RT: 12.56 min Scan# 3354

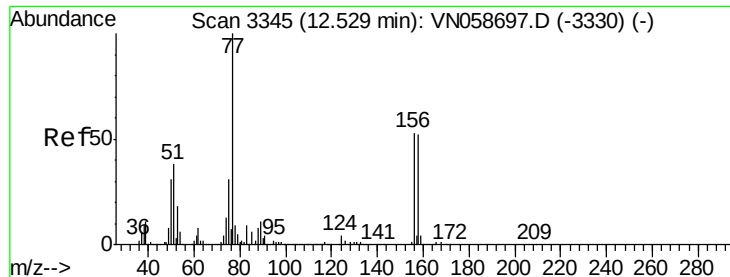
Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion:	75	Resp:	141013
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.629 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

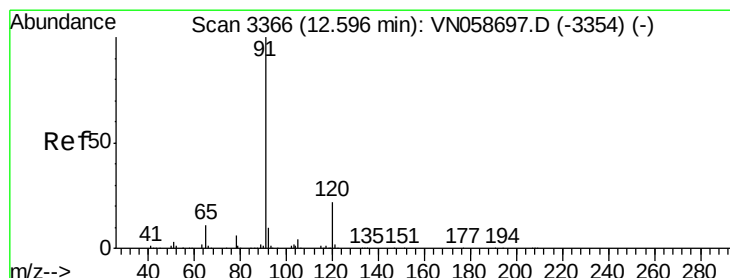
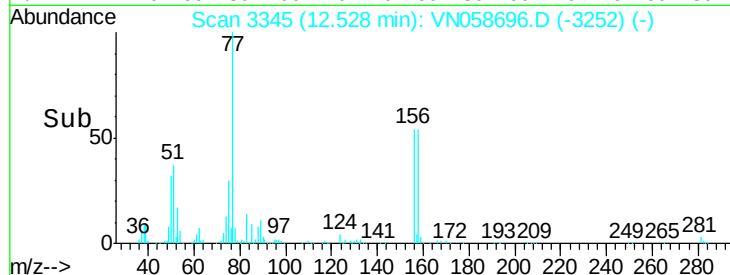
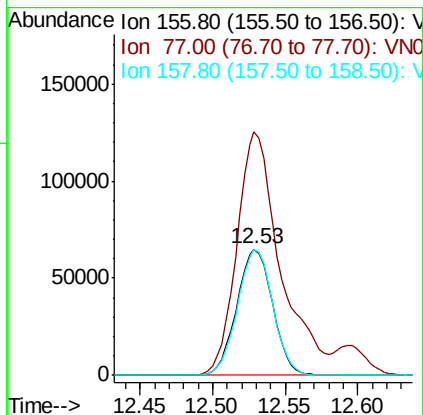
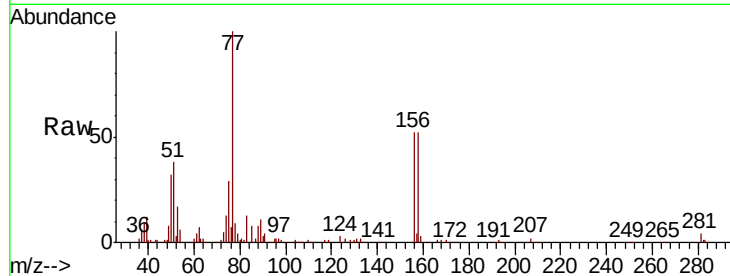
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	232.1	115.8	347.3
158	98.4	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.956 ug/l

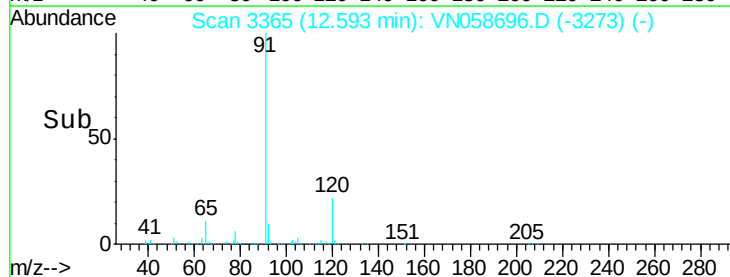
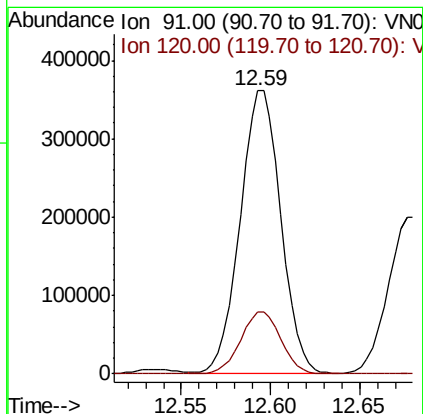
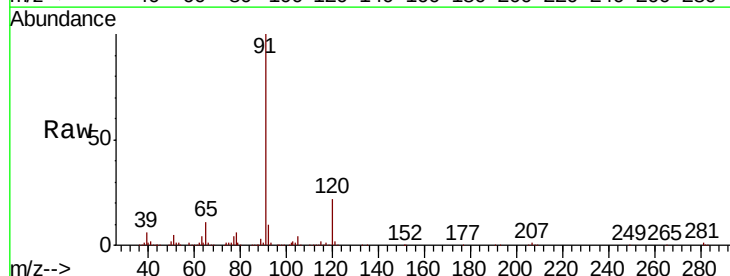
RT: 12.59 min Scan# 3365

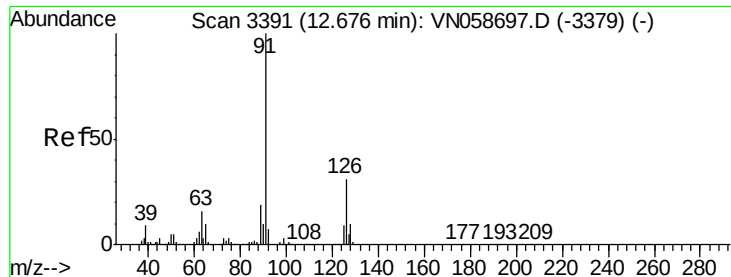
Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3





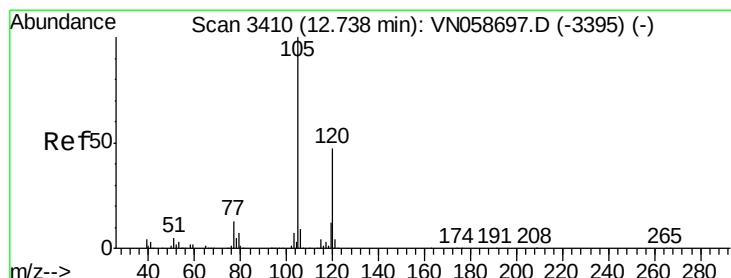
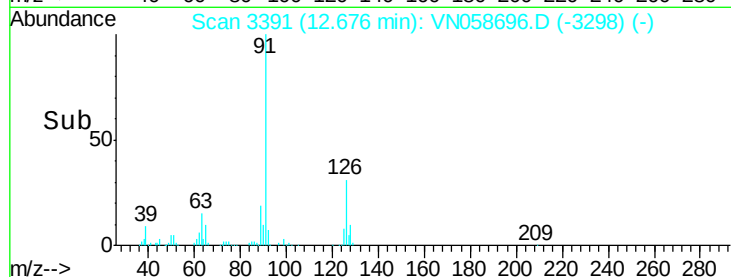
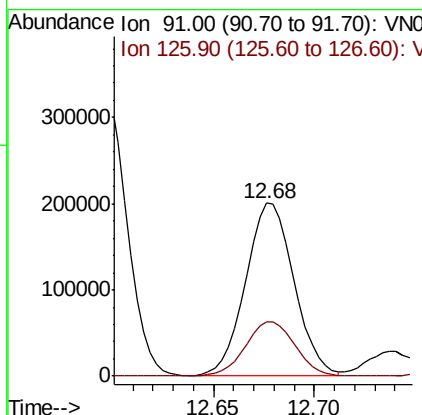
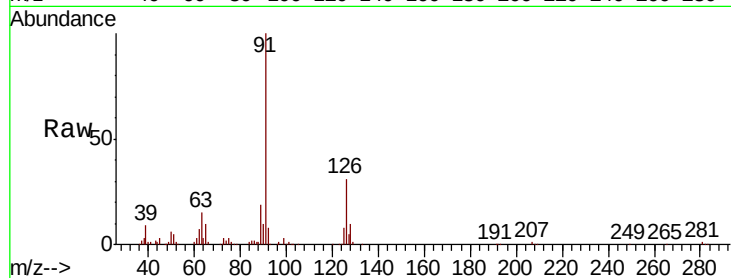
#79
2-Chlorotoluene
Concen: 20.923 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.5

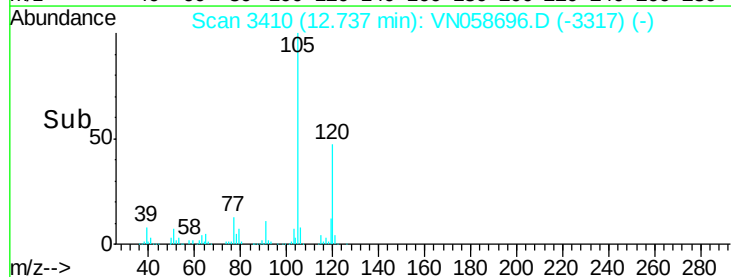
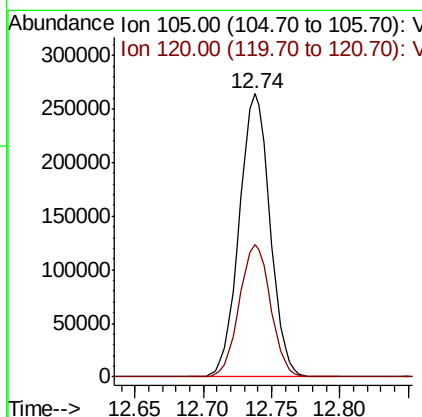
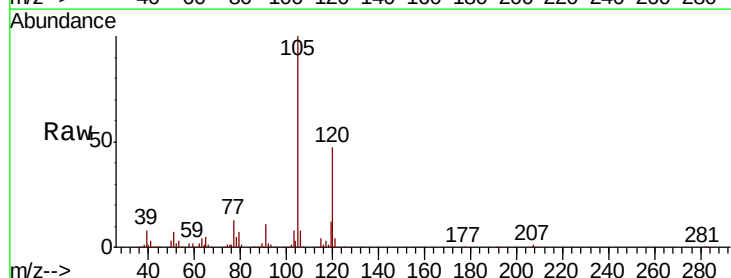
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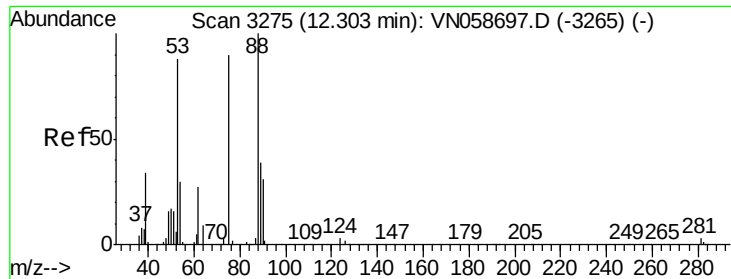
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.307 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.4	70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 24.551 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

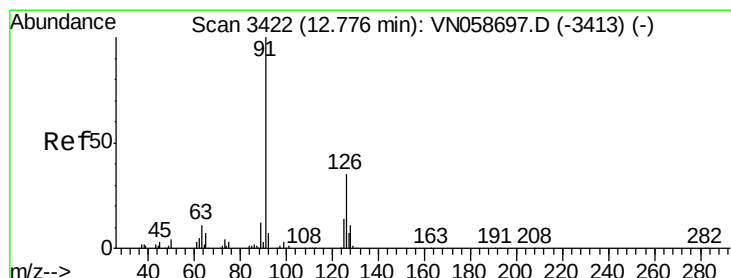
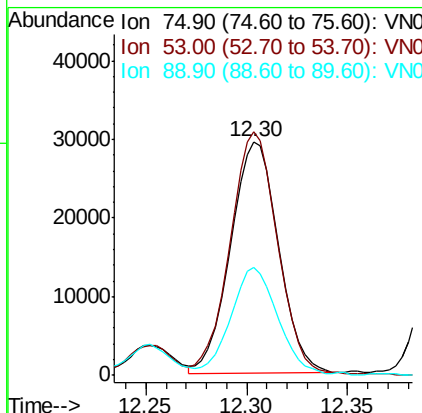
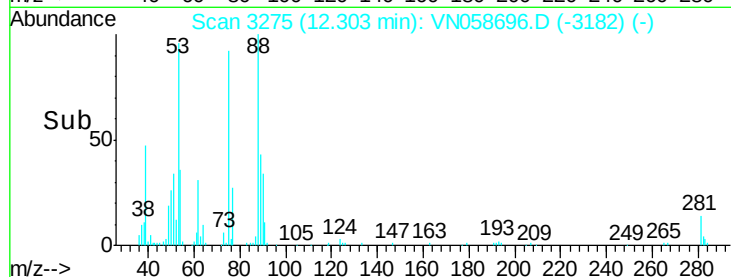
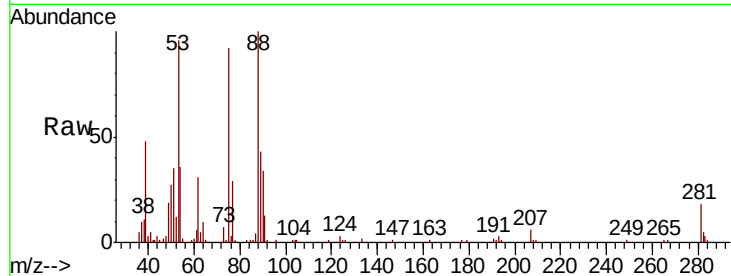
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	49085
Ion Ratio	Lower	Upper	
75	100		
53	105.3	78.4	117.6
89	44.7	34.9	52.3

Manual Integrations
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MMDadoda
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#82

4-Chlorotoluene

Concen: 21.071 ug/l

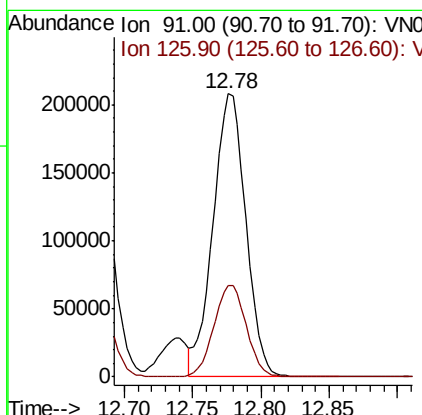
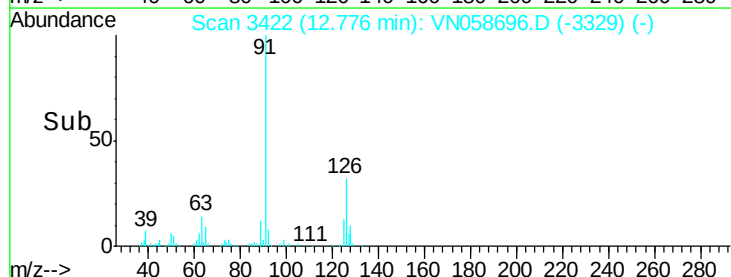
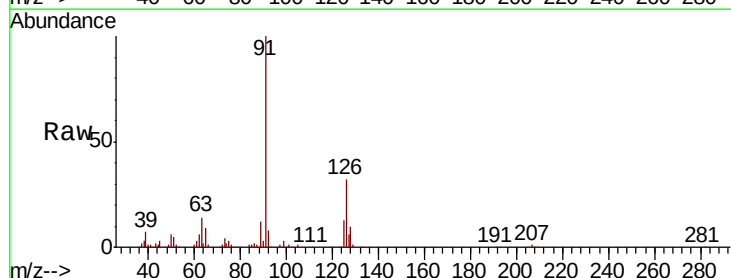
RT: 12.78 min Scan# 3422

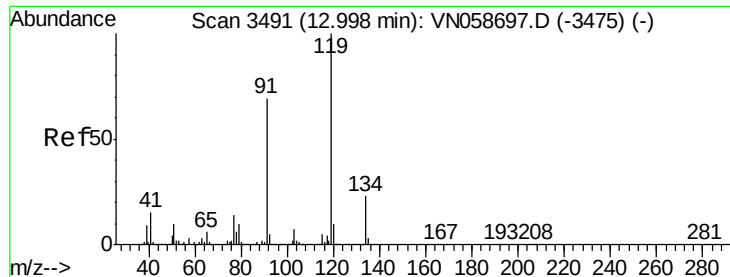
Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion:	91	Resp:	346476
Ion Ratio	Lower	Upper	
91	100		
126	32.1	15.9	47.6





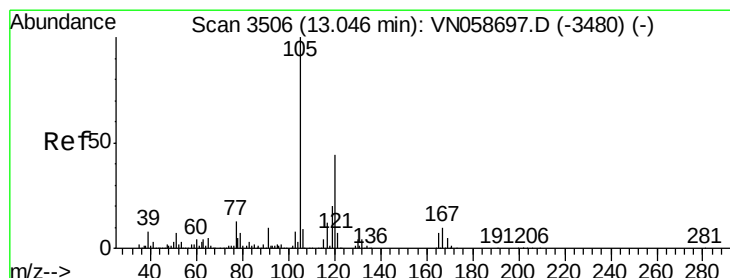
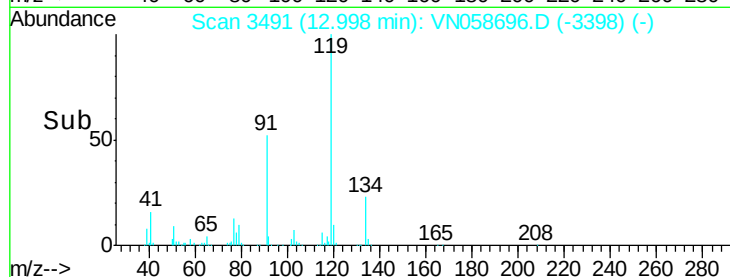
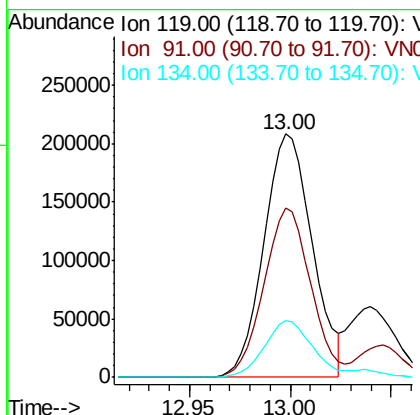
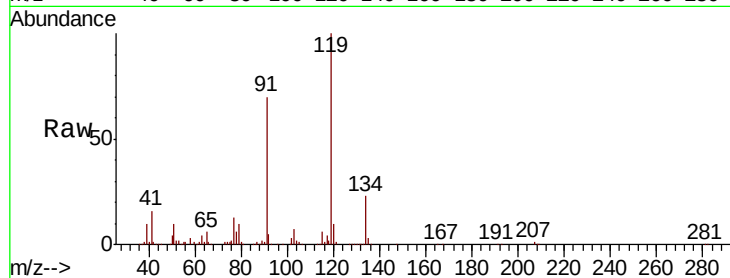
#83
 tert-Butylbenzene
 Concen: 21.259 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.8	101.3
134	23.0	12.6	37.6

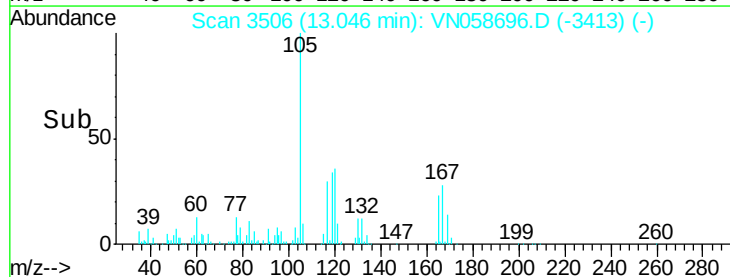
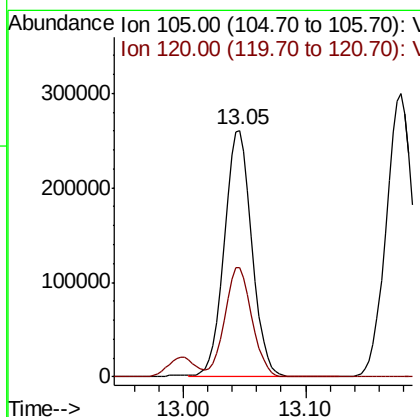
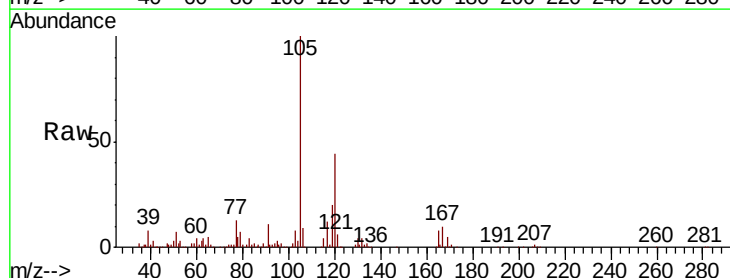
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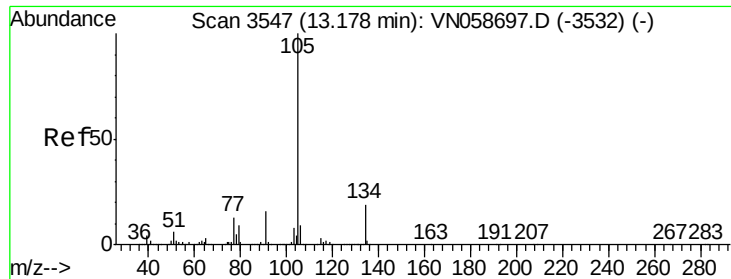
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.216 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7





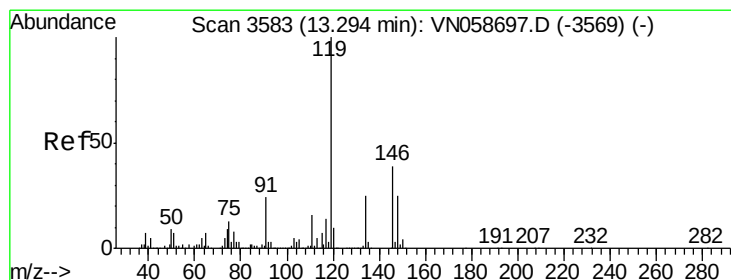
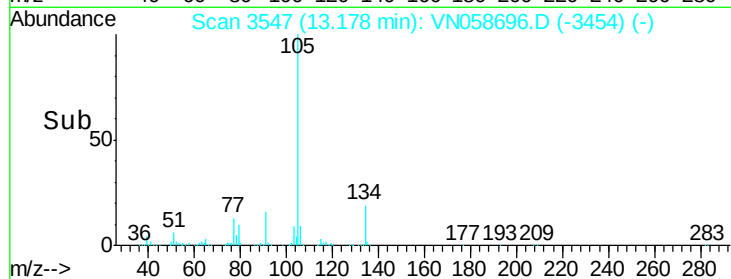
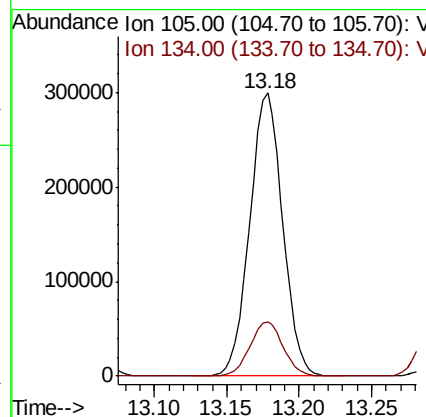
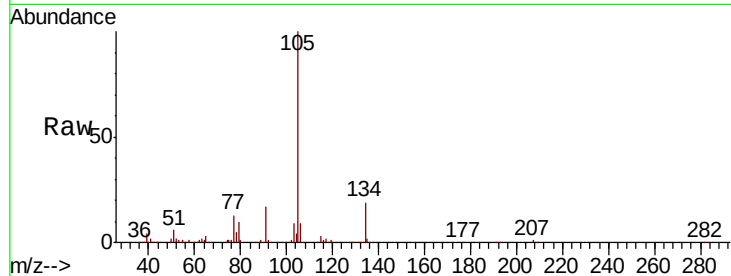
#85
 sec-Butylbenzene
 Concen: 21.859 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

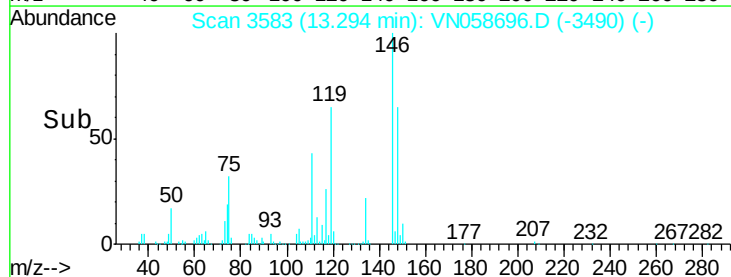
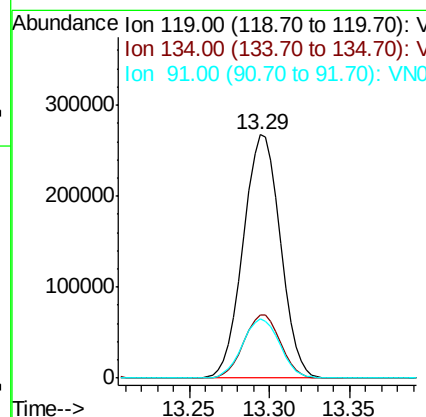
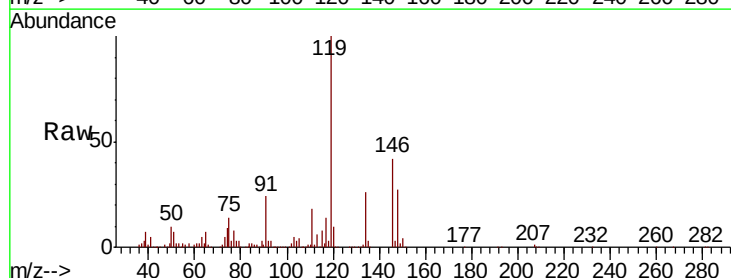
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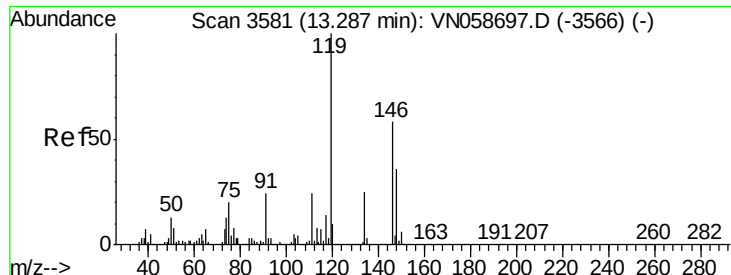
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#86
 p-Isopropyltoluene
 Concen: 22.155 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.1
91	24.6	11.9	35.5





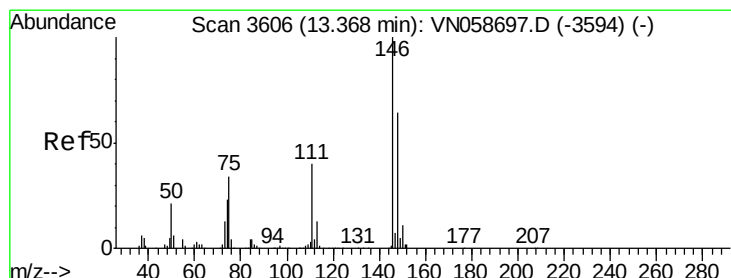
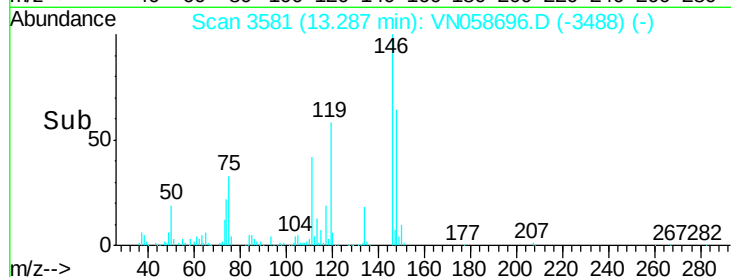
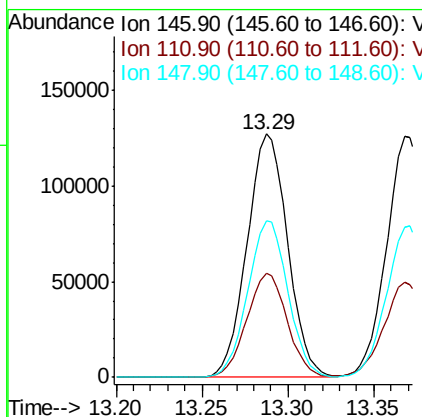
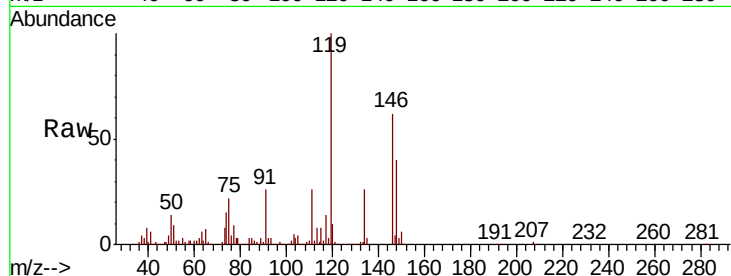
#87
 1,3-Dichlorobenzene
 Concen: 21.097 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.5	61.6
148	63.7	31.3	93.9

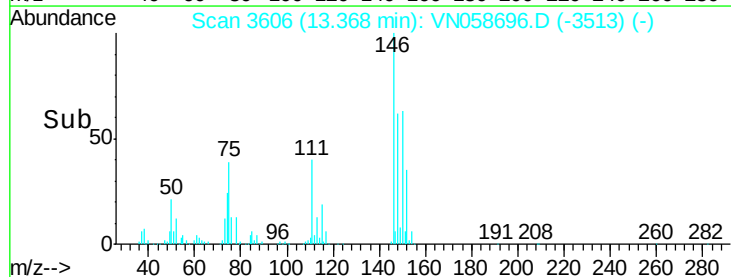
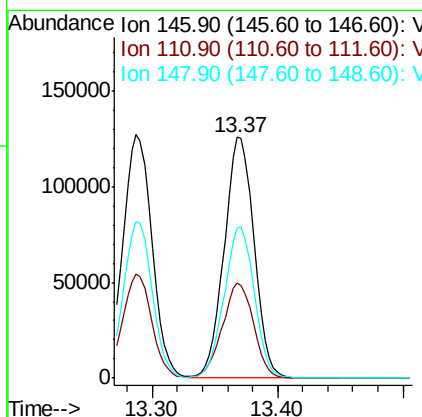
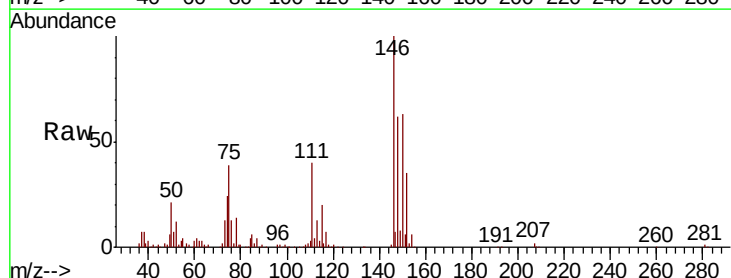
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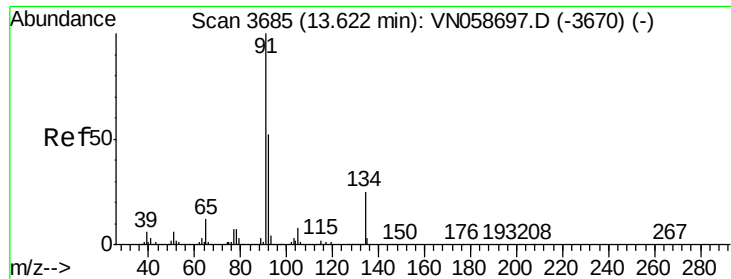
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#88
 1,4-Dichlorobenzene
 Concen: 21.284 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.2
148	63.5	31.9	95.7





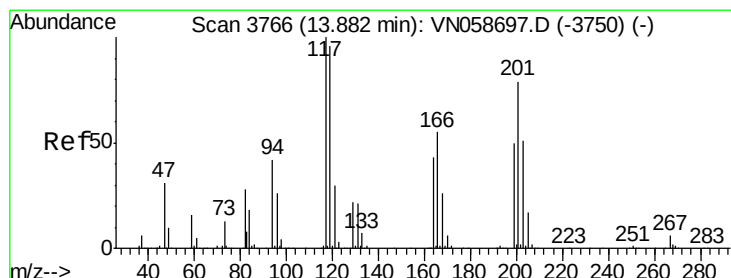
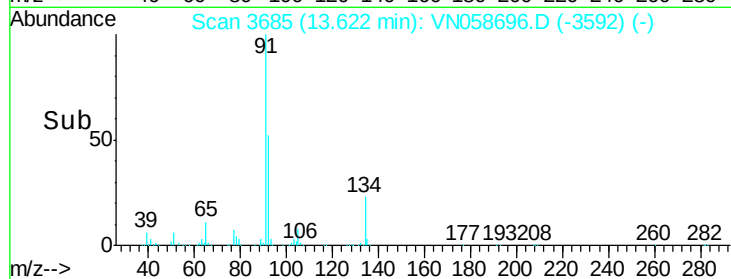
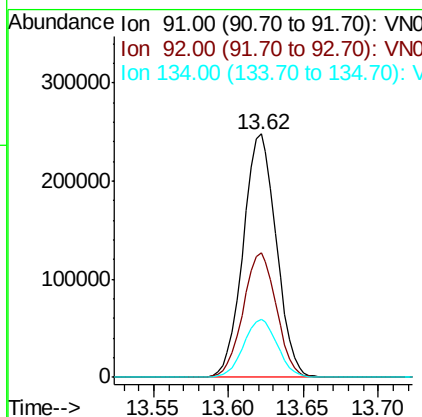
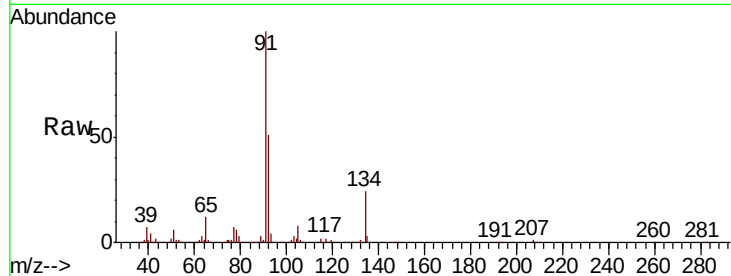
#89
n-Butylbenzene
Concen: 22.022 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	24.1	12.2	36.6

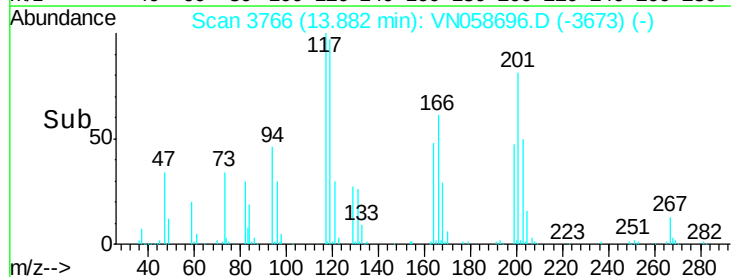
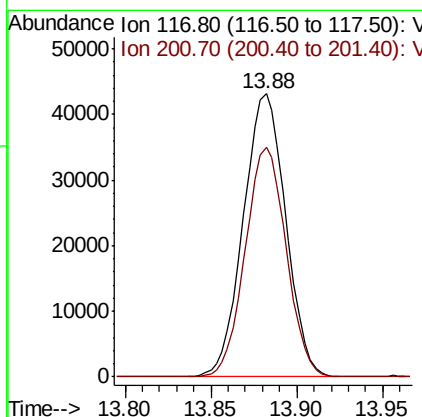
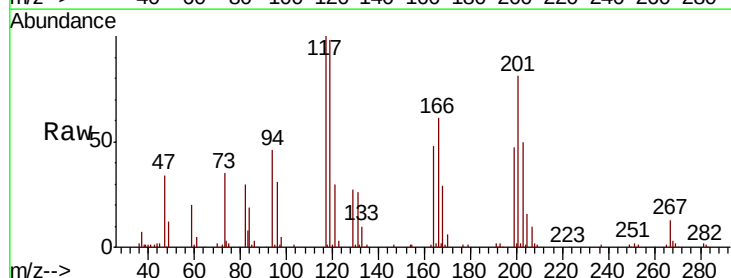
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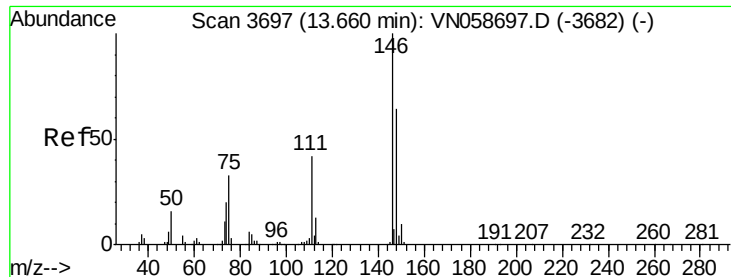
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#90
Hexachloroethane
Concen: 25.178 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 21.592 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

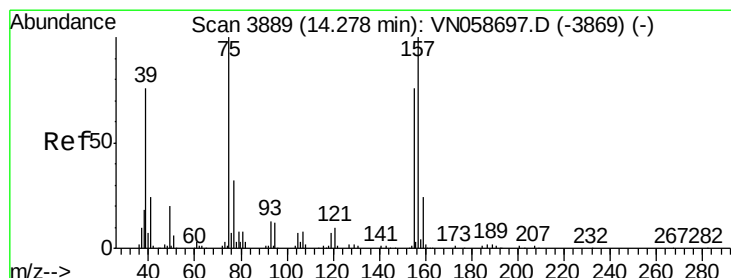
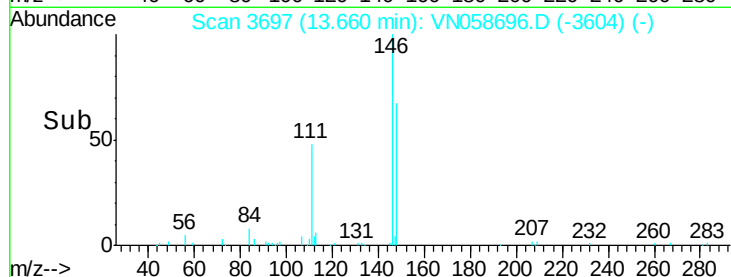
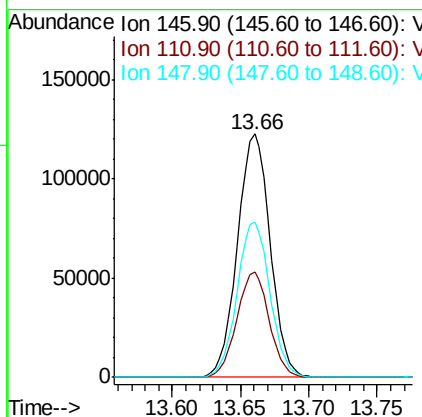
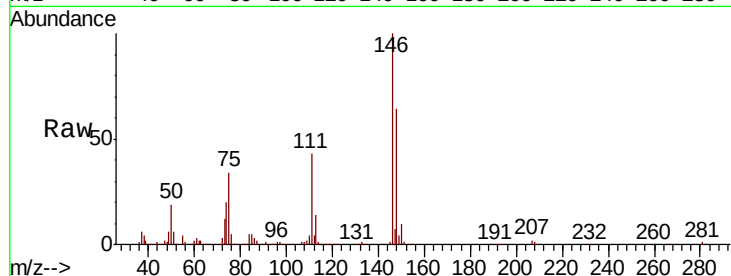
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	204960
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.1	63.4
148	64.0	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 26.512 ug/l

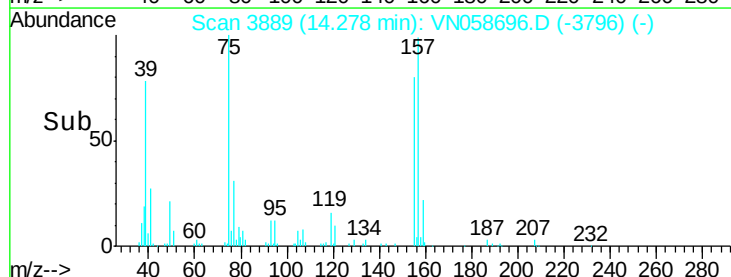
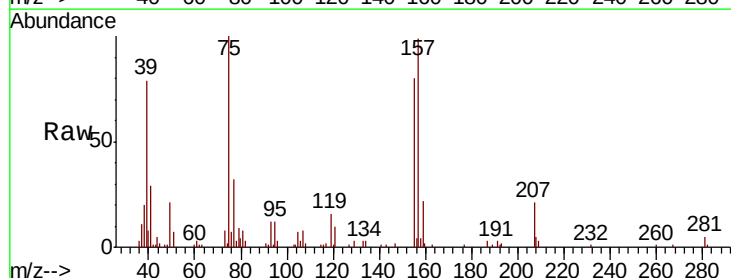
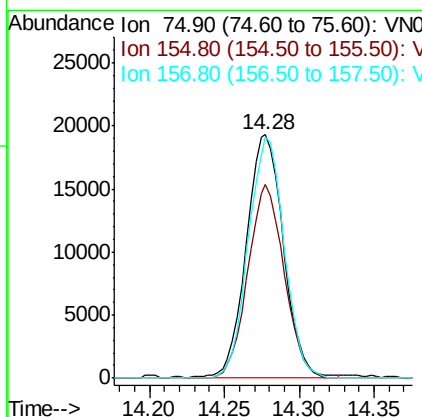
RT: 14.28 min Scan# 3889

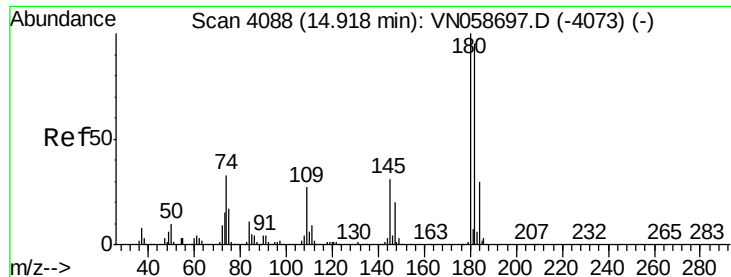
Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion:	75	Resp:	33488
Ion Ratio	Lower	Upper	
75	100		
155	76.9	37.9	113.6
157	95.0	49.4	148.2





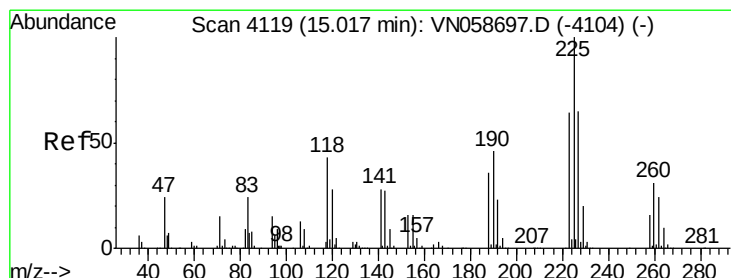
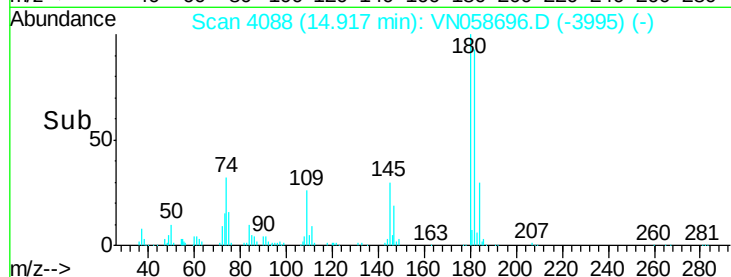
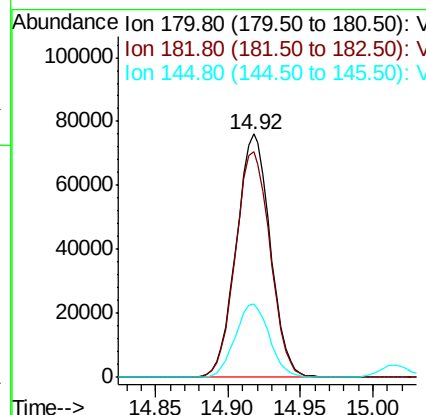
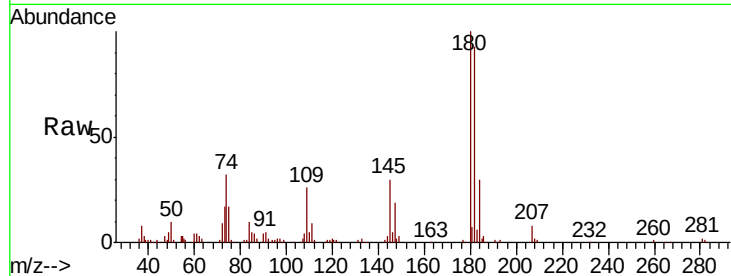
#93
 1,2,4-Trichlorobenzene
 Concen: 23.417 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123965		
182	94.9	47.4	142.2	
145	30.1	15.4	46.2	

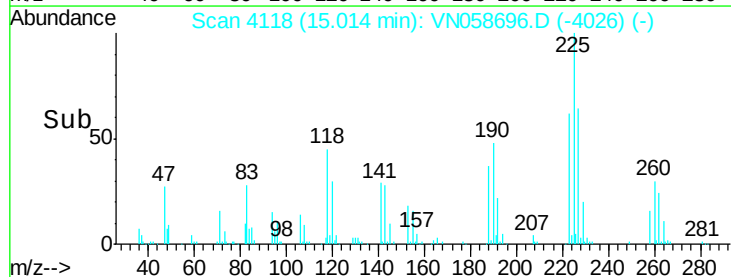
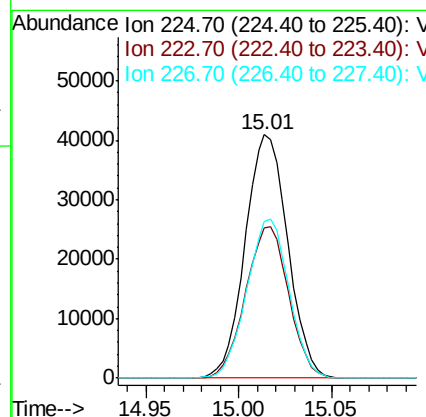
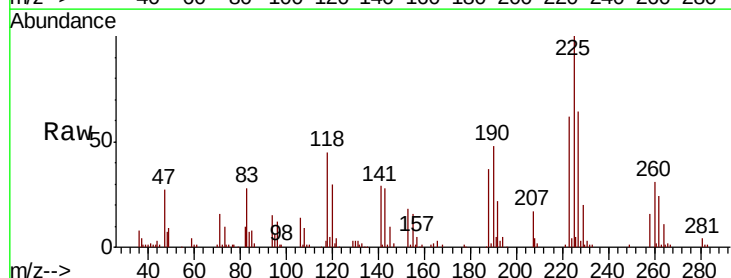
Manual Integrations
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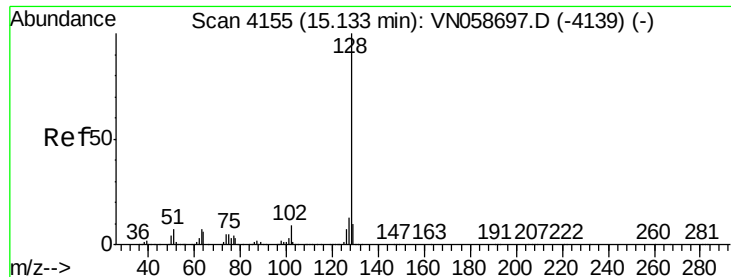
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 10/16/2019 12:48:17 AM



#94
 Hexachlorobutadiene
 Concen: 23.753 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65502		
223	63.0	32.3	96.8	
227	64.8	32.4	97.0	





#95

Naphthalene

Concen: 25.401 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

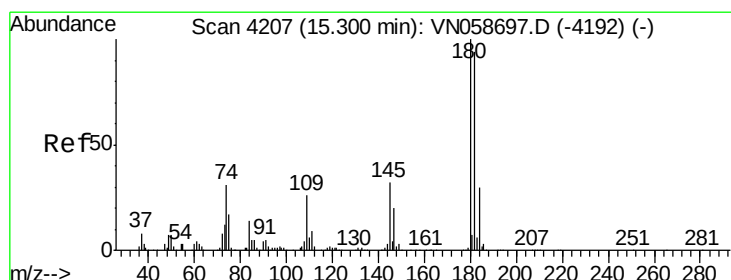
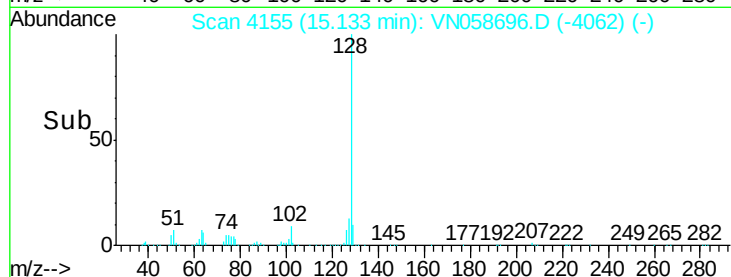
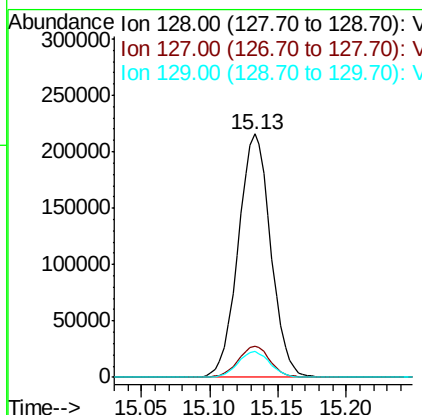
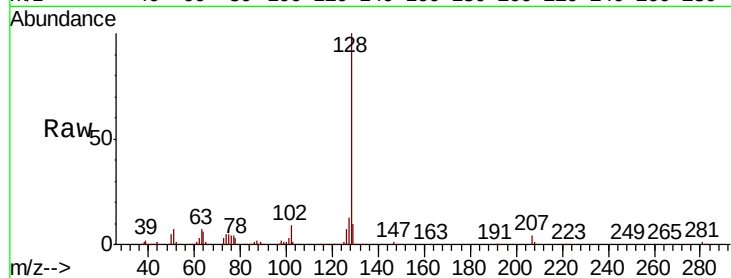
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	356093
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 24.706 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion:	180	Resp:	119660
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.3	142.0
145	31.8	16.2	48.6

