

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052533.D
 Acq On : 28 Nov 2018 21:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:32:56 AM

Quant Time: Nov 29 02:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	189221	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1112599	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	960661	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	374655	29.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.87%
60) 4-Bromofluorobenzene	12.40	95	438745	29.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.57%
63) Toluene-d8	10.09	98	1335396	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	194830	18.079 ug/l	99
3) Chloromethane	2.06	50	255187	17.855 ug/l	97
4) Vinyl Chloride	2.19	62	269545	18.686 ug/l	96
5) Bromomethane	2.58	94	154342	18.765 ug/l	99
6) Chloroethane	2.71	64	166613	19.422 ug/l	100
7) Trichlorofluoromethane	3.02	101	341498	19.182 ug/l	99
8) Diethyl Ether	3.41	74	128509	19.549 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	208787	18.500 ug/l	96
10) 1,1-Dichloroethene	3.74	96	207878	19.591 ug/l	97
11) Methyl Iodide	3.96	142	261904	17.777 ug/l	99
12) Methyl Acetate	4.33	43	168339	18.671 ug/l	100
13) Acrolein	3.61	56	91067	85.989 ug/l	98
14) Acrylonitrile	4.99	53	356181	92.719 ug/l	97
15) Acetone	3.82	58	79978	80.391 ug/l	99
16) Carbon Disulfide	4.06	76	597217	17.777 ug/l	100
17) Allyl chloride	4.33	41	336503	18.184 ug/l	97
18) Methylene Chloride	4.55	84	237087	19.297 ug/l	95
19) trans-1,2-Dichloroethene	5.05	96	219754	19.244 ug/l	96
20) Diisopropyl ether	5.95	45	728365	18.729 ug/l	97
21) 1,1-Dichloroethane	5.85	63	423067	19.087 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	253087	19.338 ug/l	97
23) tert-Butyl Alcohol	4.78	59	60939	106.637 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	569250	20.449 ug/l	99
25) Chloroform	7.37	83	412366	19.285 ug/l	100
26) Cyclohexane	7.65	56	386562	18.491 ug/l #	96
29) 1,1-Dichloropropene	7.79	75	316669	18.638 ug/l	99
30) 2-Butanone	6.84	43	398721	87.701 ug/l	98
31) 2,2-Dichloropropane	6.83	77	276263	17.662 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	336929	19.058 ug/l	97
33) Carbon Tetrachloride	7.78	117	289604	18.722 ug/l	98
34) Benzene	8.04	78	971128	19.011 ug/l	98
35) Methacrylonitrile	7.18	41	110728	19.630 ug/l	98
36) 1,2-Dichloroethane	8.13	62	293550	18.964 ug/l	100
37) Trichloroethene	8.84	130	252309	19.478 ug/l	95
38) Methylcyclohexane	9.08	83	381078	18.118 ug/l	96
39) 1,2-Dichloropropane	9.12	63	252801	18.462 ug/l	99
40) Dibromomethane	9.21	93	141381	19.107 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	305507	18.687	ug/l	98
42) Vinyl Acetate	5.90	43	2248433	91.404	ug/l	98
43) Ethyl Acetate	6.93	43	179524	18.570	ug/l #	68
44) Isopropyl Acetate	8.17	43	328631	19.383	ug/l #	76
45) 1,4-Dioxane	9.20	88	38521	415.305	ug/l	92
46) Methyl methacrylate	9.20	41	167960	19.079	ug/l	99
47) n-amyl Acetate	12.07	43	253386	18.025	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	288591	18.206	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	352906	18.273	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	203966	19.446	ug/l	100
51) Ethyl methacrylate	10.43	69	254827	19.344	ug/l	97
52) 1,3-Dichloropropane	10.71	76	354912	19.010	ug/l	99
53) Dibromochloromethane	10.90	129	215456	18.658	ug/l	98
54) 1,2-Dibromoethane	11.01	107	198968	19.412	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	728032	94.412	ug/l	99
56) Bromoform	12.13	173	139068	18.424	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	909813	97.689	ug/l	98
59) 2-Hexanone	10.75	43	586338	92.161	ug/l	98
61) Tetrachloroethene	10.63	164	238246	20.136	ug/l	97
62) Toluene	10.16	91	1050375	19.834	ug/l	100
64) Chlorobenzene	11.43	112	632986	19.582	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	220102	19.617	ug/l	99
66) Ethyl Benzene	11.51	91	1102060	19.308	ug/l	99
67) m/p-Xylenes	11.62	106	839375	39.473	ug/l	99
68) o-Xylene	11.95	106	410065	19.868	ug/l	99
69) Styrene	11.96	104	647071	19.424	ug/l	100
70) Isopropylbenzene	12.25	105	1087126	19.797	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	234759	19.652	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	197474m	19.258	ug/l	
73) Bromobenzene	12.53	156	263306	19.825	ug/l	95
74) n-propylbenzene	12.59	91	1207489	18.872	ug/l	99
75) 2-Chlorotoluene	12.68	91	721197	19.419	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	869355	19.600	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55158	17.028	ug/l	97
78) 4-Chlorotoluene	12.78	91	699828	18.870	ug/l	100
79) tert-butylbenzene	12.99	119	770469	19.946	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	877312	19.767	ug/l	100
81) sec-Butylbenzene	13.17	105	1025966	19.069	ug/l	100
82) p-Isopropyltoluene	13.29	119	871512	19.023	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	451538	19.331	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	437923	19.404	ug/l	98
85) n-Butylbenzene	13.62	91	701785	17.833	ug/l	99
86) Hexachloroethane	13.88	117	139610	17.985	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	439077	19.753	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	32839	19.626	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	207475	18.945	ug/l	99
90) Hexachlorobutadiene	15.01	225	137103	19.084	ug/l	99
91) Naphthalene	15.14	128	435499	19.692	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	195327	19.354	ug/l	97

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

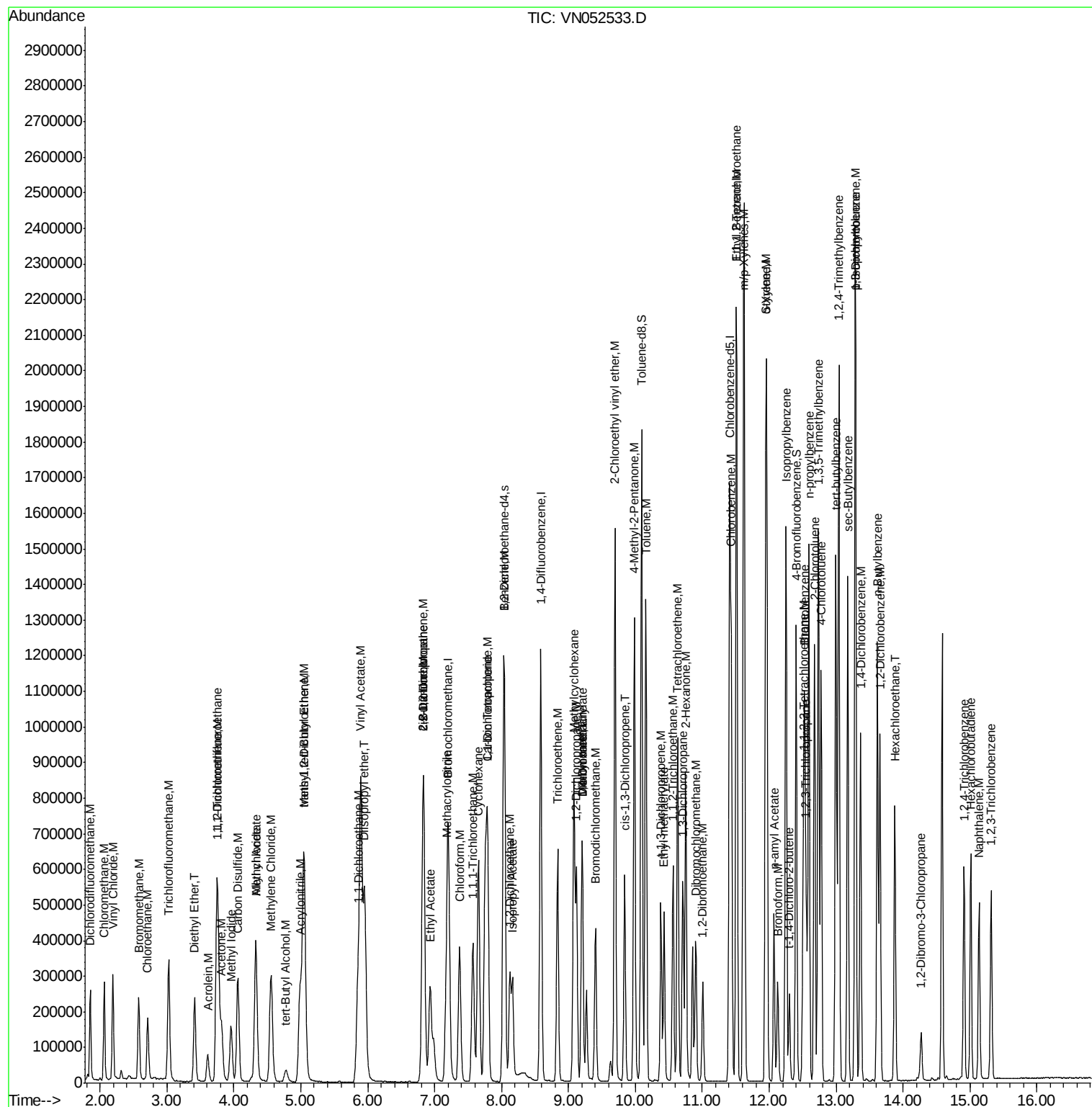
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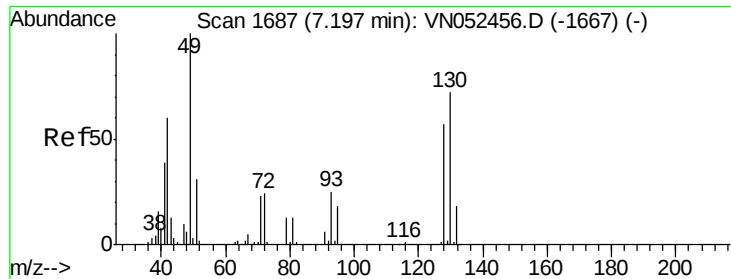
Instrument :
 MSVOA_N
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Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

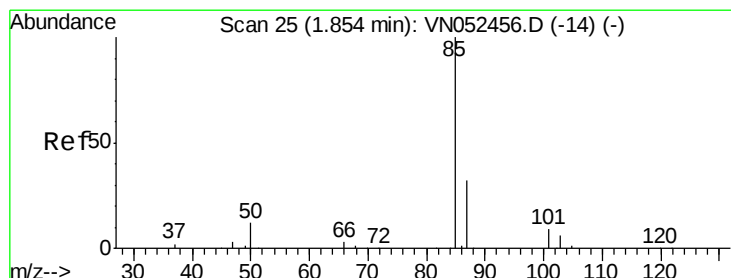
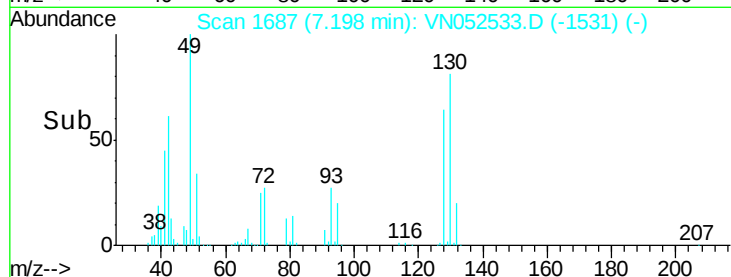
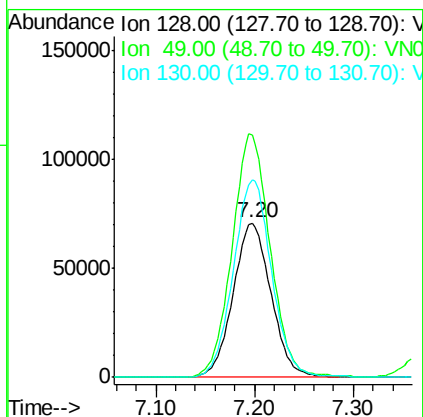
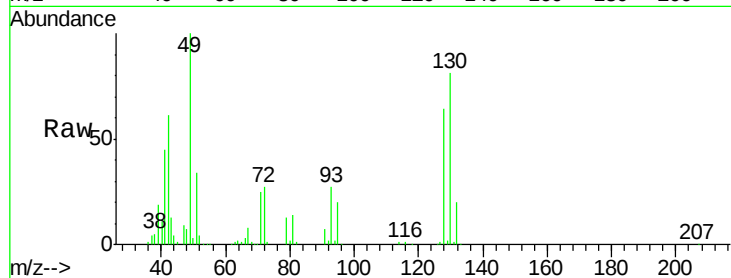
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	189221
Ion	Ratio	Lower	Upper
128	100		
49	158.3	0.0	431.8
130	129.4	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.079 ug/l

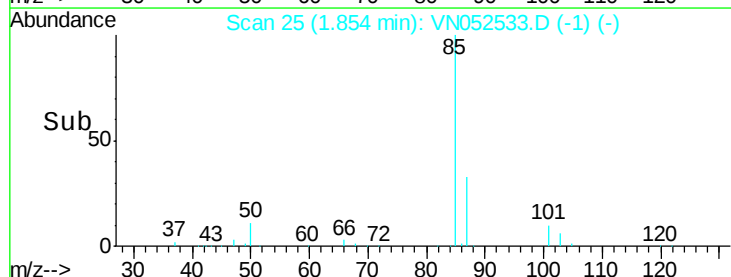
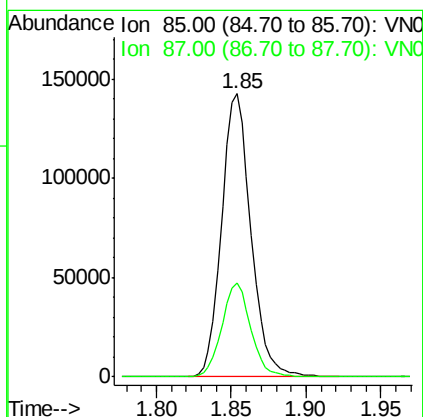
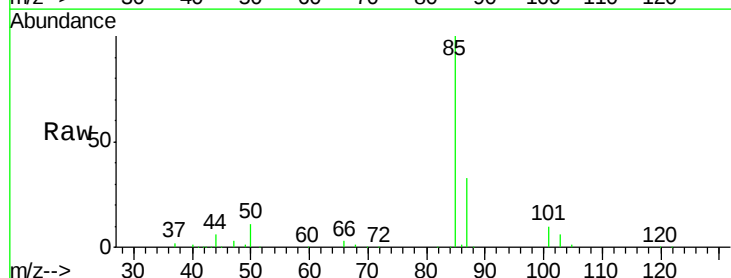
RT: 1.85 min Scan# 25

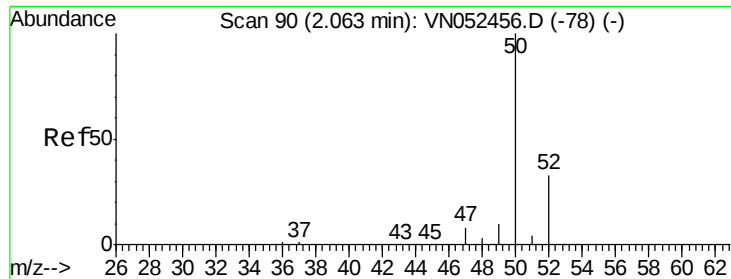
Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Tgt Ion:	85	Resp:	194830
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.1	48.3





#3

Chloromethane

Concen: 17.855 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 255187

Ion Ratio Lower Upper

50 100

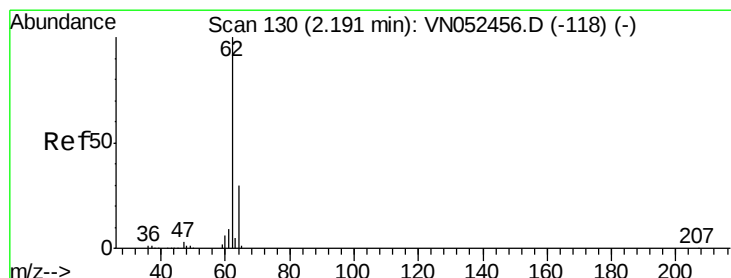
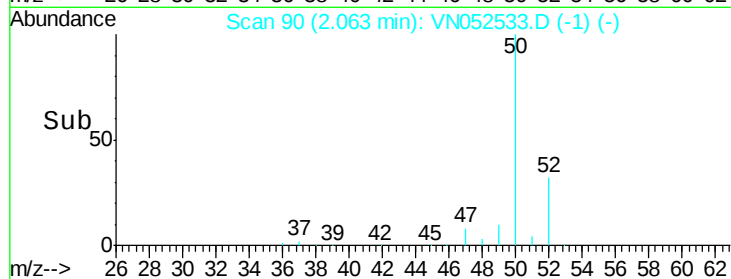
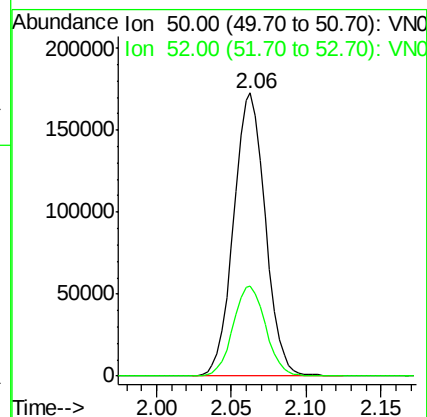
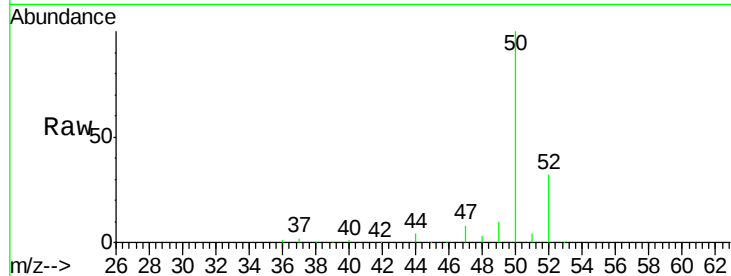
52 31.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.686 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052533.D

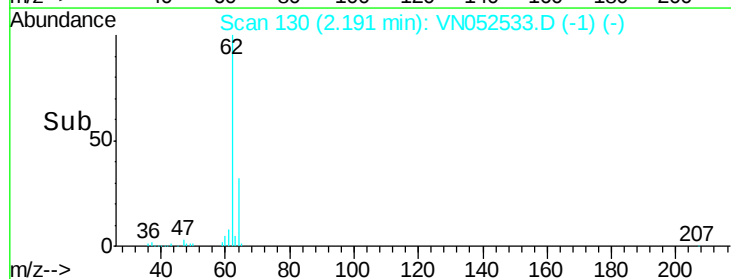
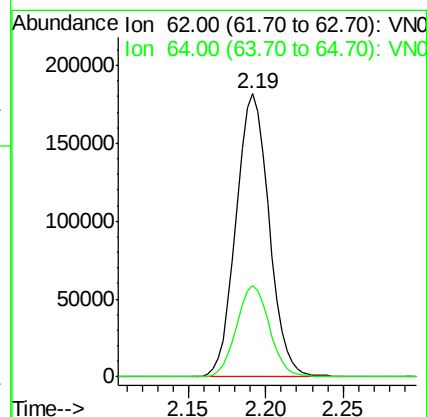
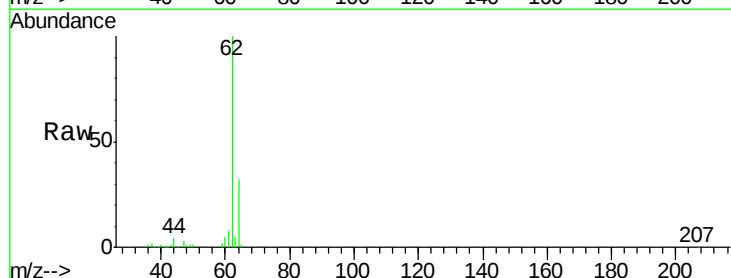
Acq: 28 Nov 2018 21:41

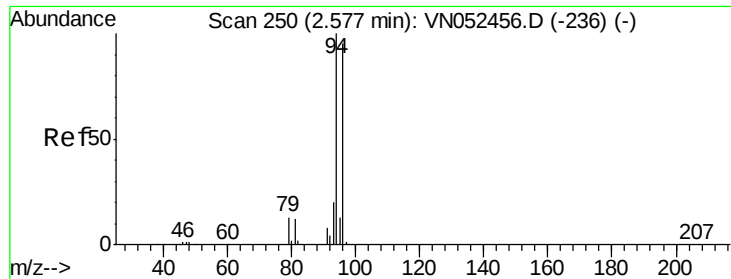
Tgt Ion: 62 Resp: 269545

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.4





#5

Bromomethane

Concen: 18.765 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 154342

Ion Ratio Lower Upper

94 100

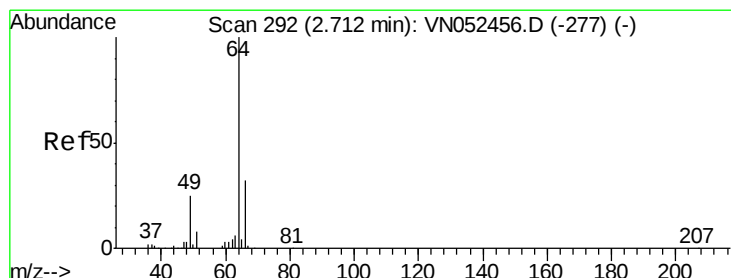
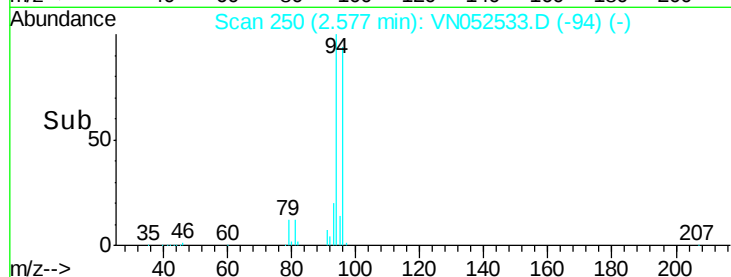
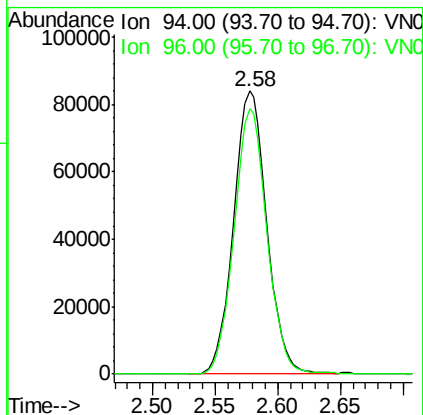
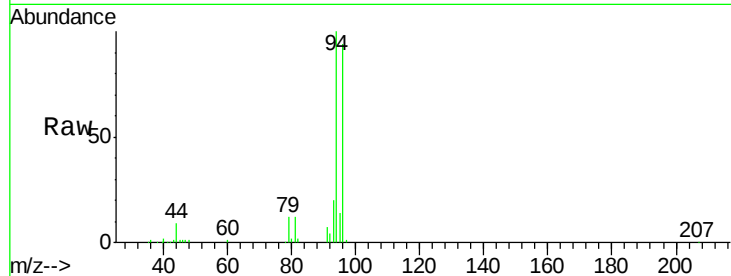
96 93.9 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 19.422 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052533.D

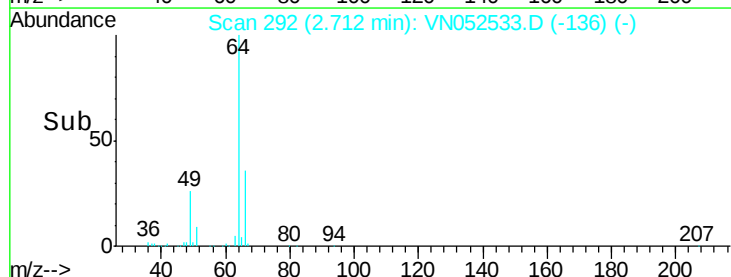
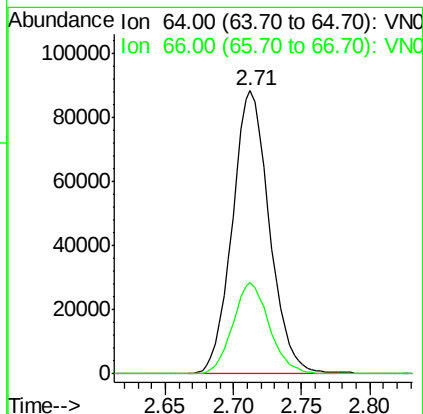
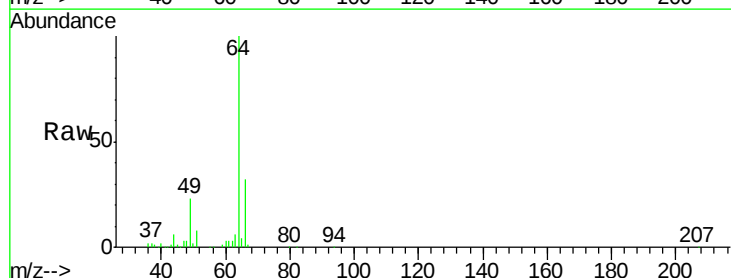
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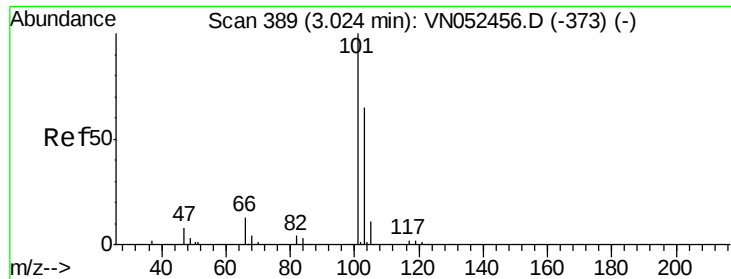
Tgt Ion: 64 Resp: 166613

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4





#7

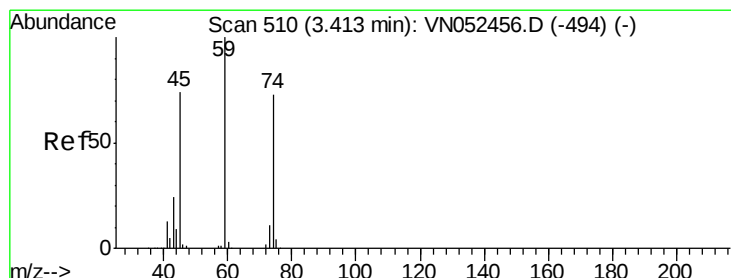
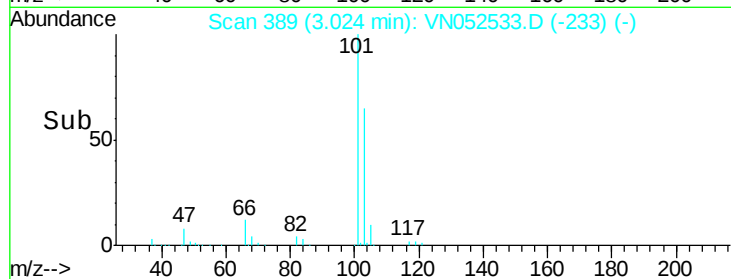
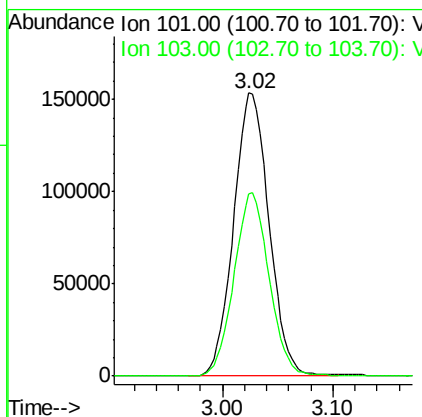
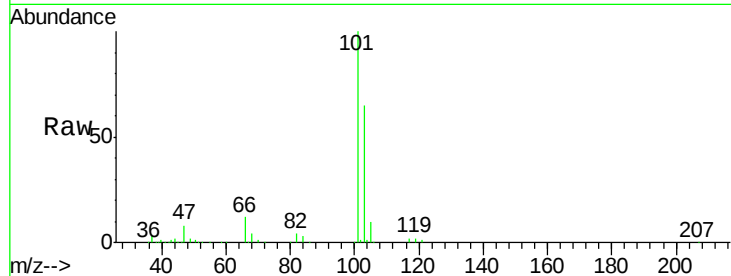
Trichlorofluoromethane
 Concen: 19.182 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1

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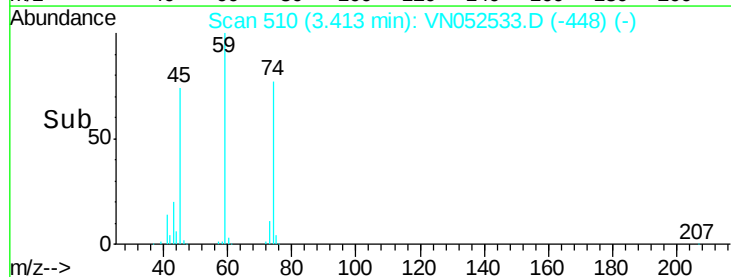
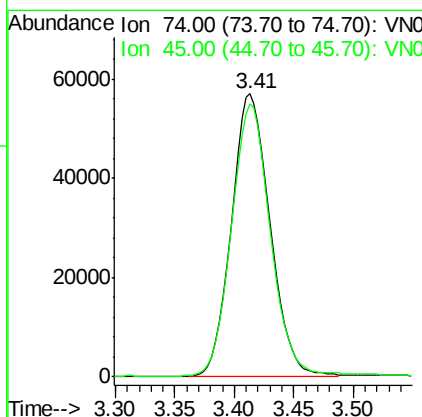
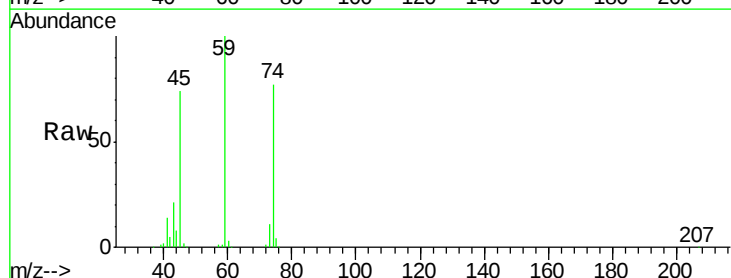
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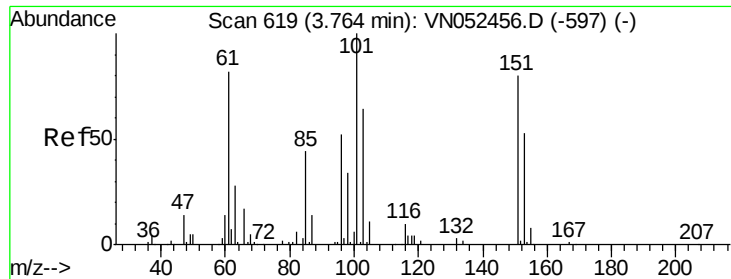


#8

Diethyl Ether
 Concen: 19.549 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.500 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

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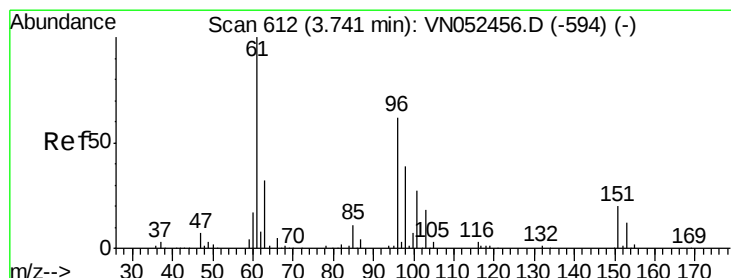
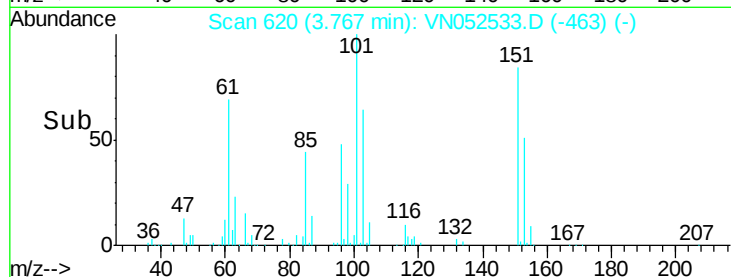
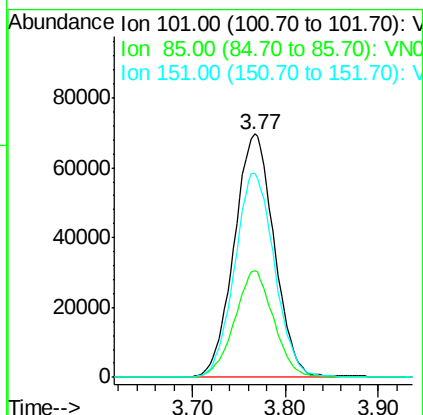
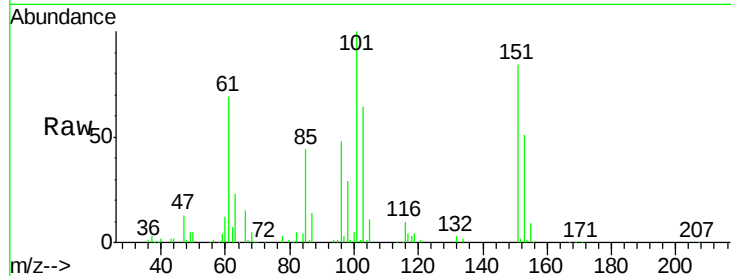
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	208787
Ion Ratio	Lower	Upper	
101	100		
85	42.4	0.0	82.6
151	83.5	0.0	158.4

Manual Integrations
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MMDadoda
11/29/2018 9:32:56 AM



#10

1,1-Dichloroethene

Concen: 19.591 ug/l

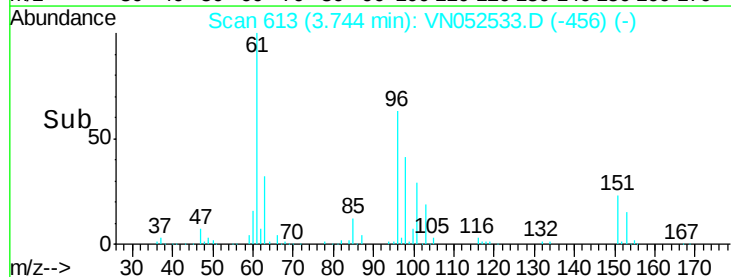
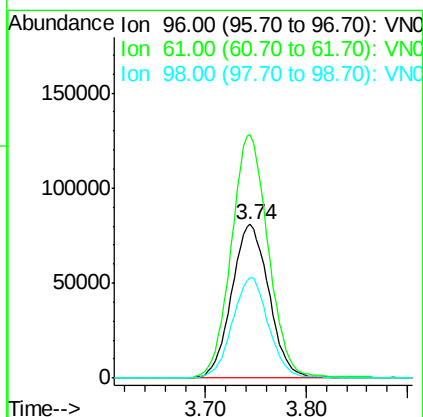
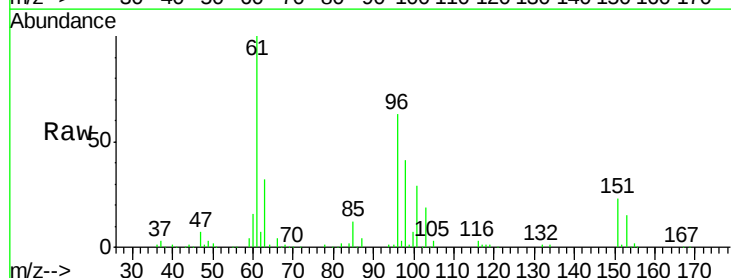
RT: 3.74 min Scan# 613

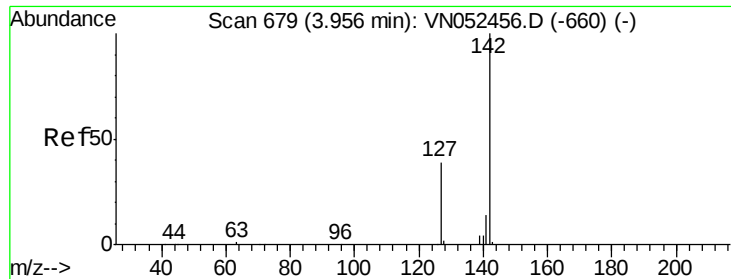
Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Tgt Ion:	96	Resp:	207878
Ion Ratio	Lower	Upper	
96	100		
61	158.5	129.4	194.2
98	65.5	50.4	75.6





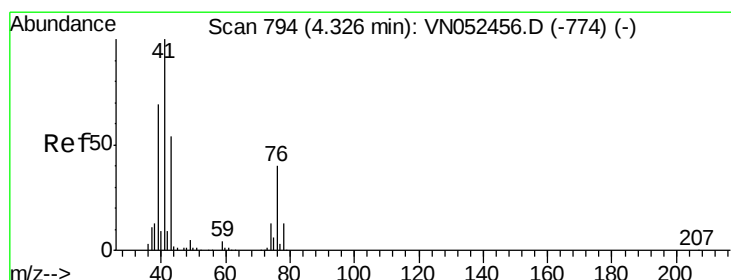
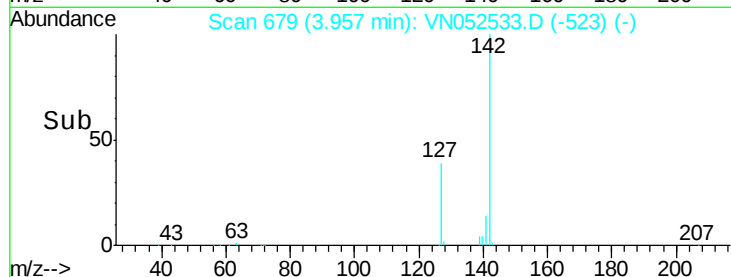
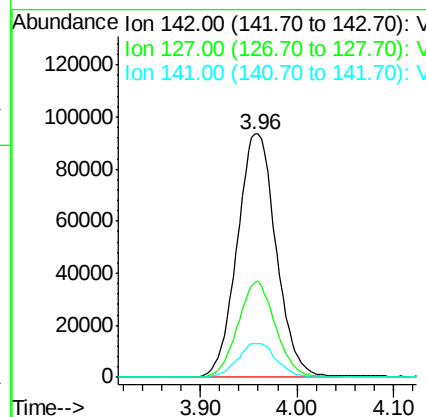
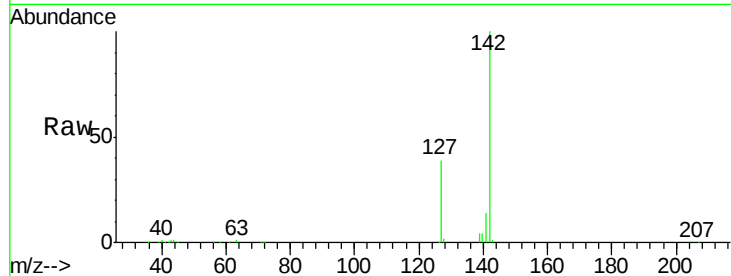
#11
Methyl Iodide
Concen: 17.777 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.1	19.4	58.1
141	14.1	7.2	21.6

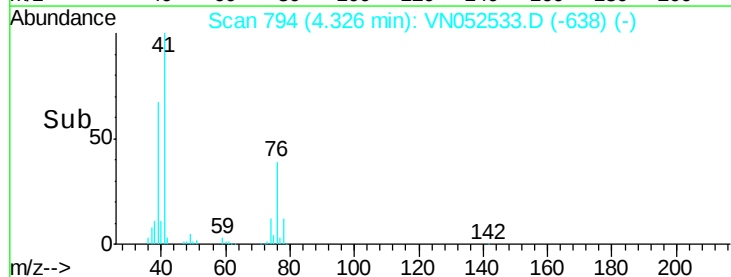
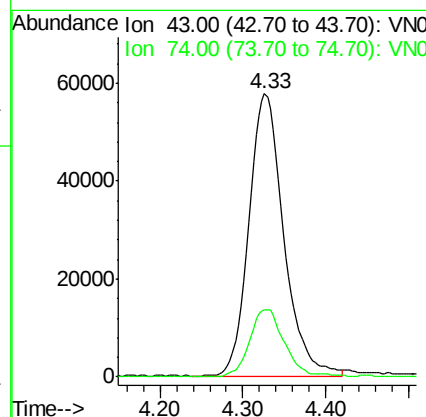
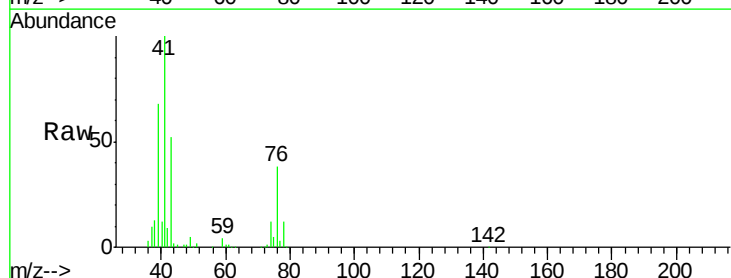
Manual Integrations
APPROVED

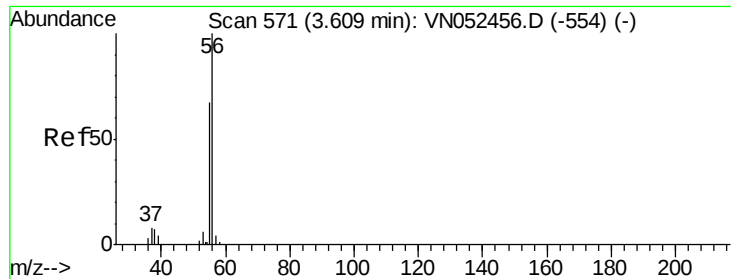
MMDadoda
11/29/2018 9:32:56 AM



#12
Methyl Acetate
Concen: 18.671 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3





#13

Acrolein

Concen: 85.989 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 91067

Ion Ratio Lower Upper

56 100

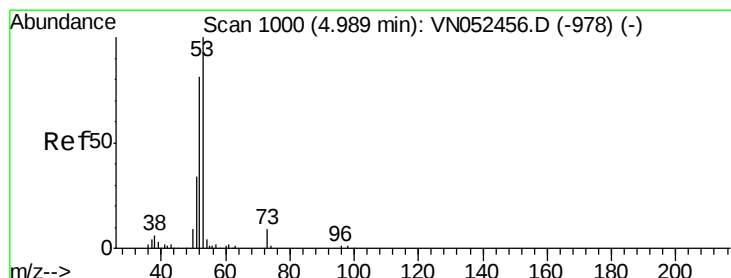
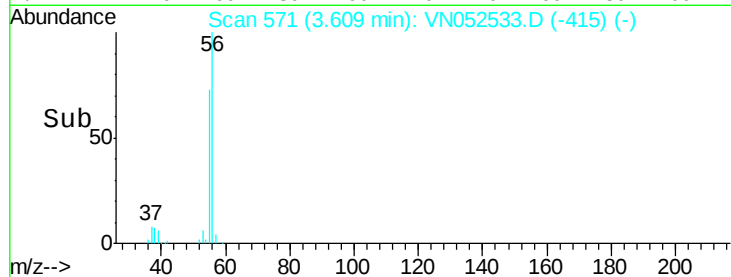
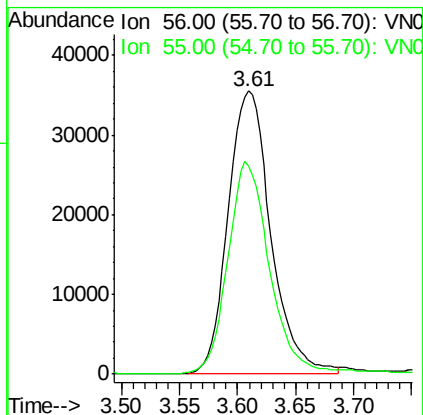
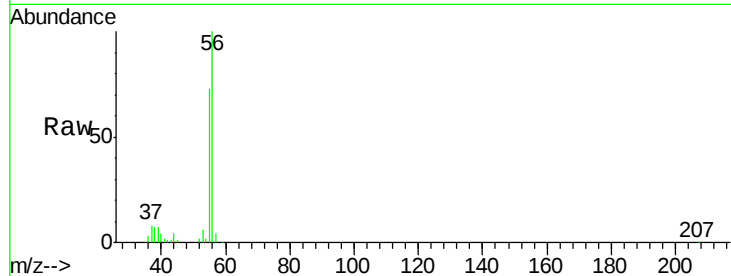
55 72.9 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

11/29/2018 9:32:56 AM



#14

Acrylonitrile

Concen: 92.719 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

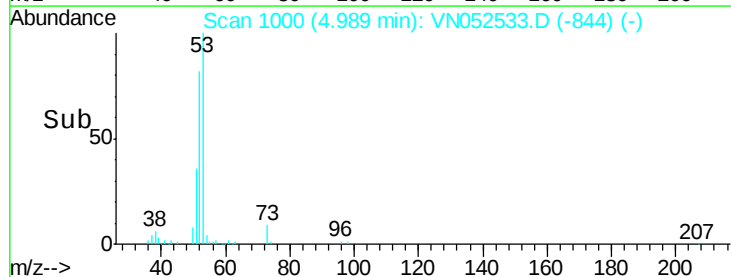
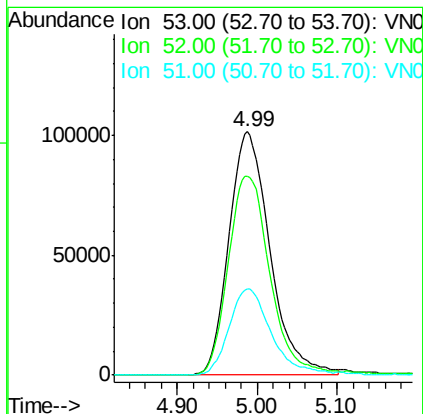
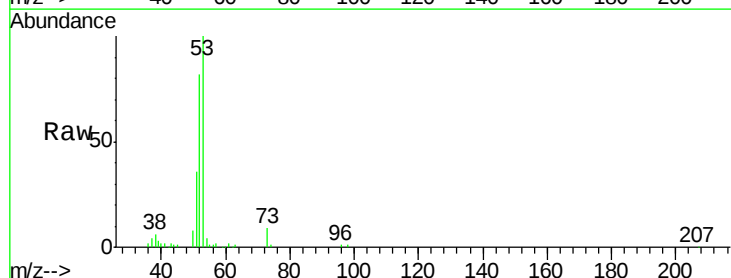
Tgt Ion: 53 Resp: 356181

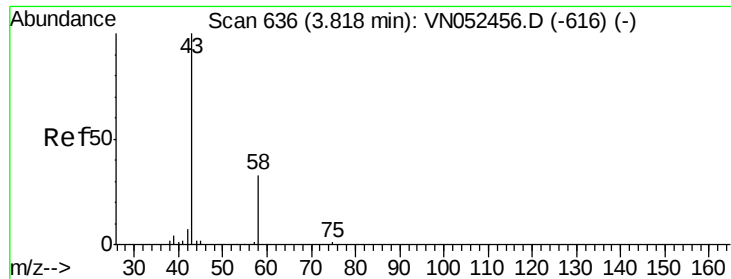
Ion Ratio Lower Upper

53 100

52 82.7 39.9 119.7

51 36.2 17.6 52.9





#15

Acetone

Concen: 80.391 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 79978

Ion Ratio Lower Upper

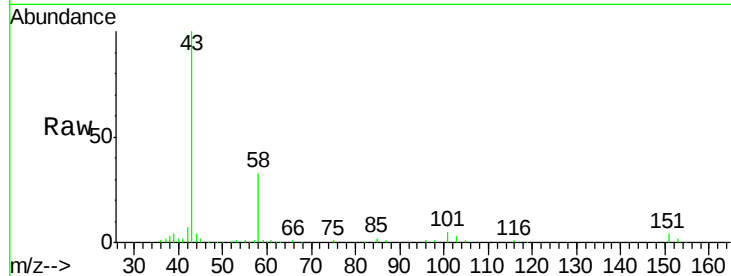
58 100

43 302.5 243.6 365.4

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Abundance Ion 58.00 (57.70 to 58.70): VN052456.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-616) (-)

100000

80000

60000

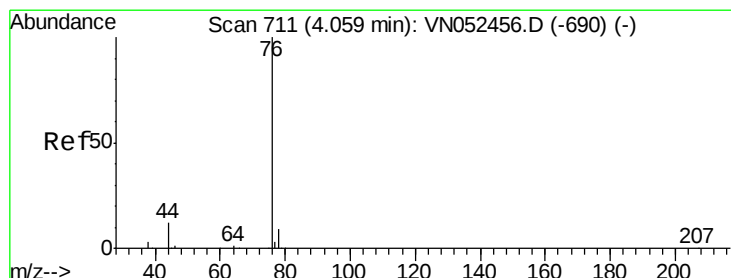
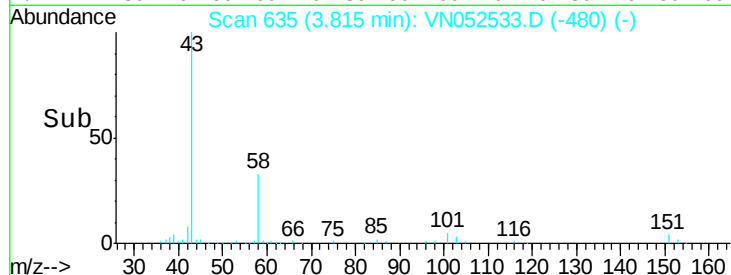
40000

20000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 17.777 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052533.D

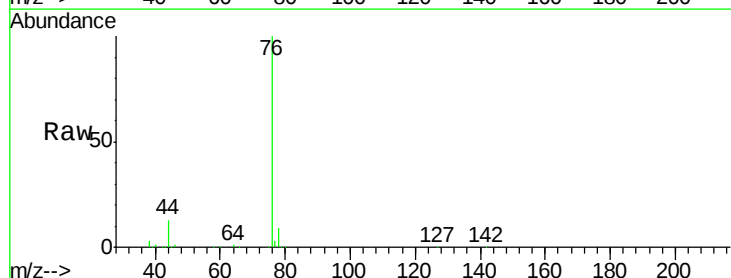
Acq: 28 Nov 2018 21:41

Tgt Ion: 76 Resp: 597217

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-690) (-)

250000

200000

150000

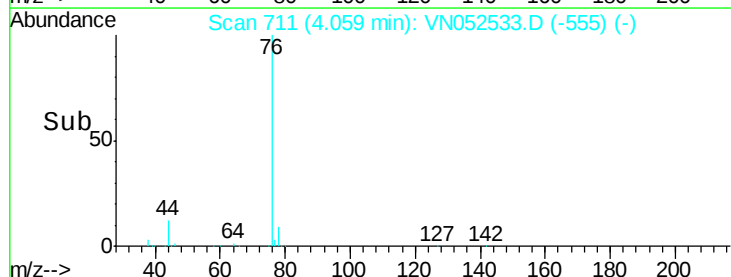
100000

50000

0

3.90 4.00 4.10 4.20

Time-->





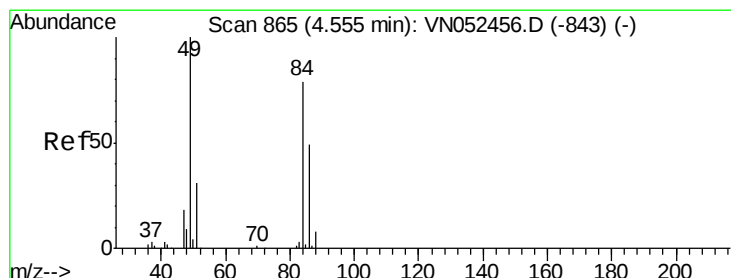
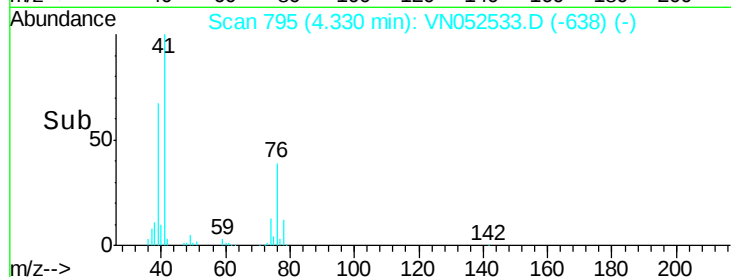
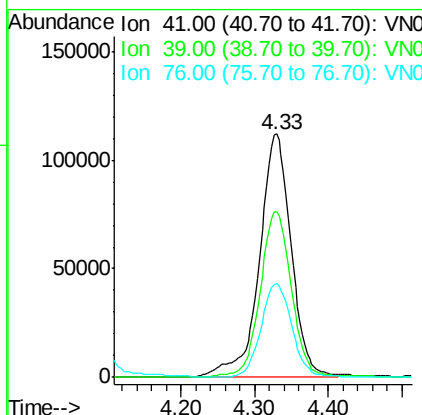
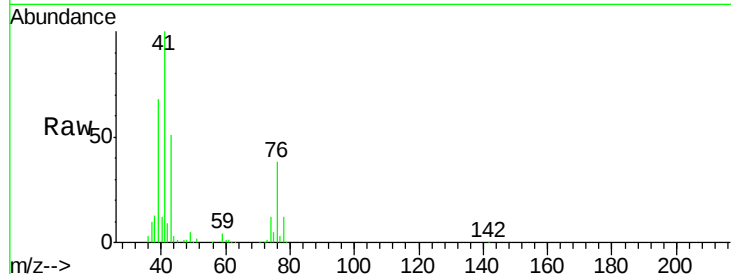
#17
Allvl chloride
Concen: 18.184 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	336503
Ion Ratio		Lower	Upper
41	100		
39	68.2	32.8	98.3
76	37.9	18.6	55.8

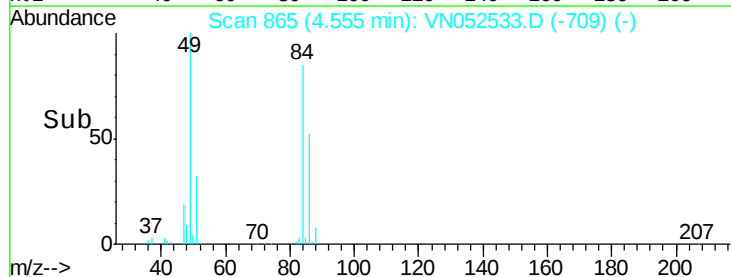
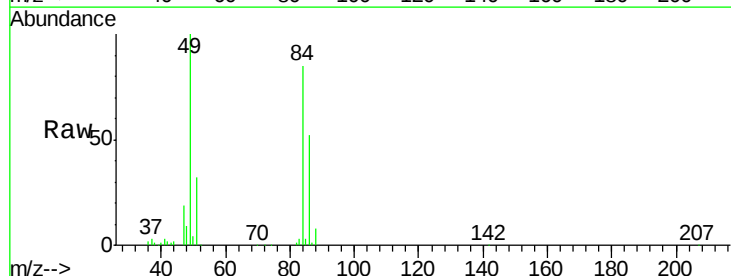
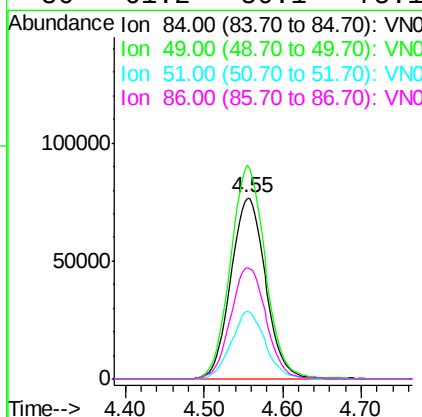
Manual Integrations
APPROVED

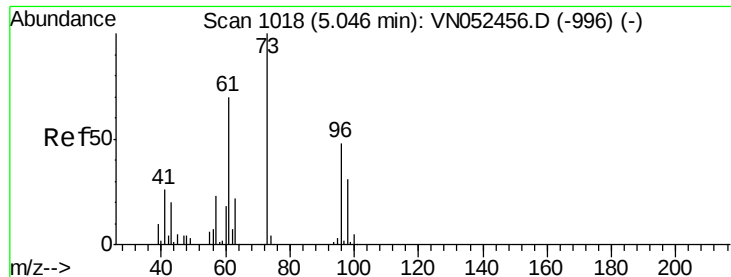
MMDadoda
11/29/2018 9:32:56 AM



#18
Methylene Chloride
Concen: 19.297 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion:	84	Resp:	237087
Ion Ratio		Lower	Upper
84	100		
49	117.9	101.4	152.0
51	37.7	31.7	47.5
86	61.2	50.1	75.1





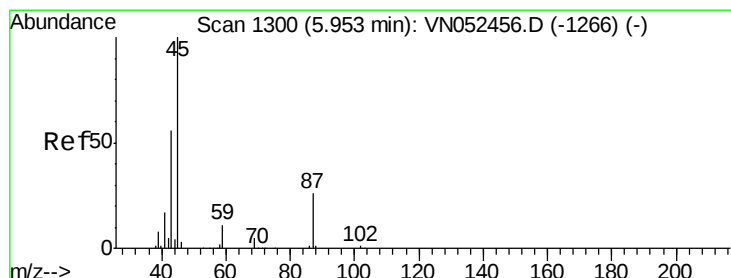
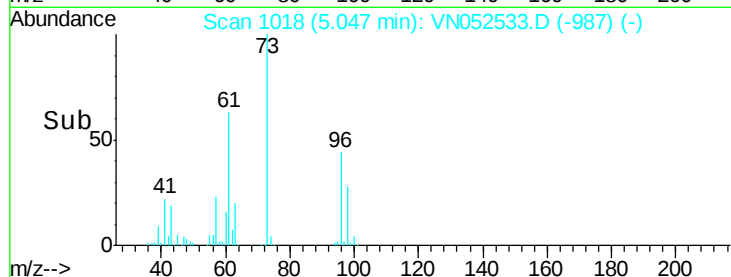
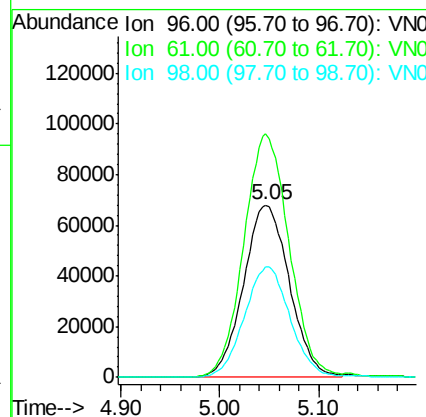
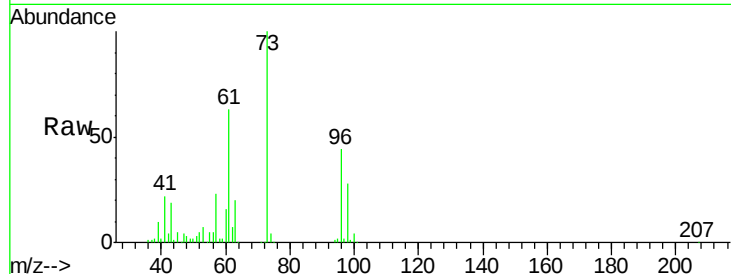
#19
trans-1,2-Dichloroethene
Concen: 19.244 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	118.2	177.4
98	63.9	51.4	77.2

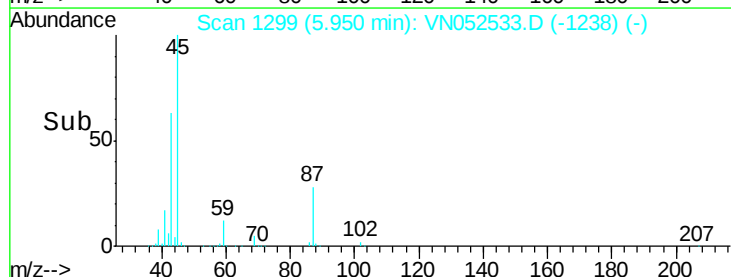
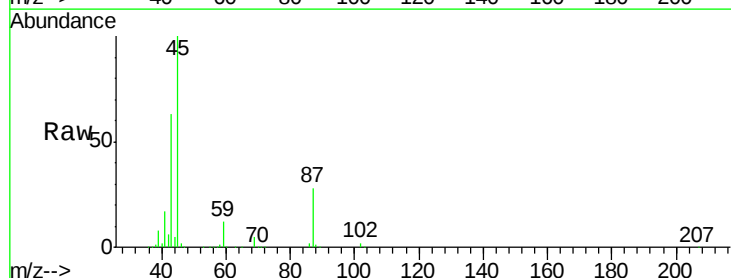
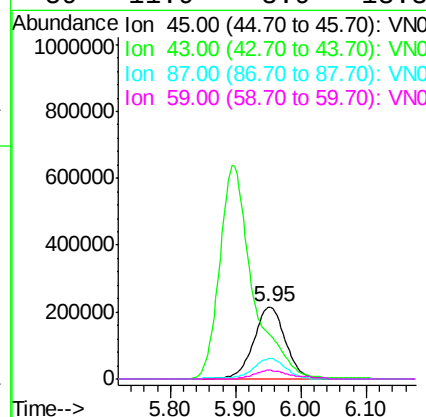
Manual Integrations
APPROVED

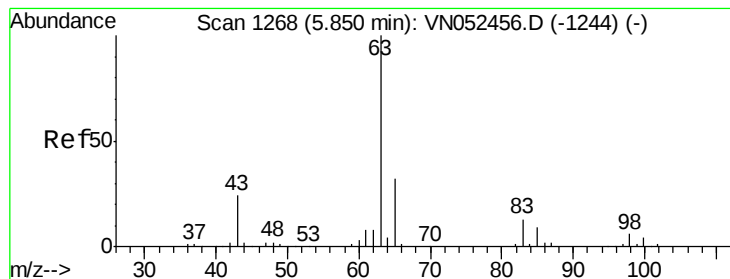
MMDadoda
11/29/2018 9:32:56 AM



#20
Diisopropyl ether
Concen: 18.729 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	47.8	71.8
87	27.7	21.3	31.9
59	11.9	8.9	13.3





#21

1,1-Dichloroethane

Concen: 19.087 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

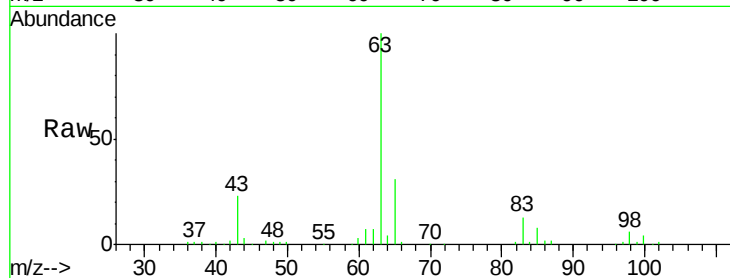
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	423067
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.0	9.2
100	4.1	1.8	5.5

Manual Integrations
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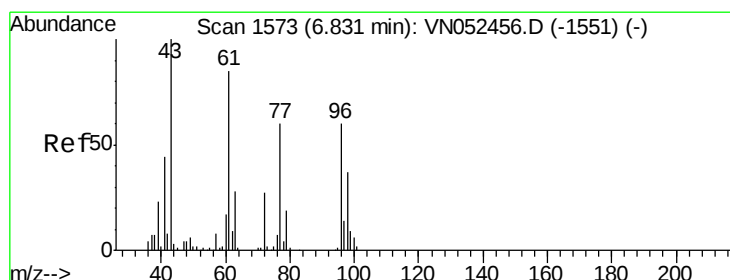
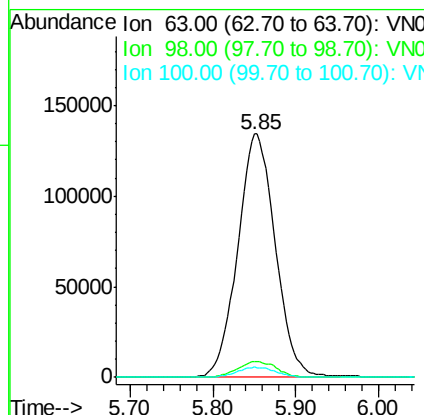
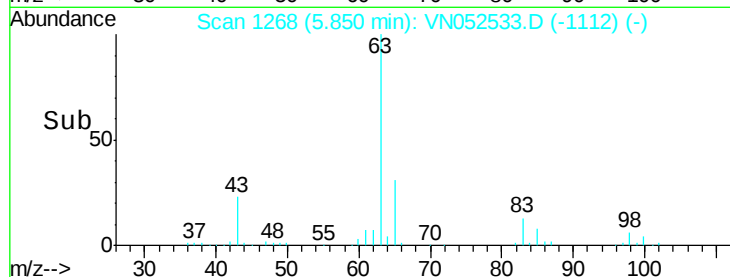


Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-1244) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 19.338 ug/l

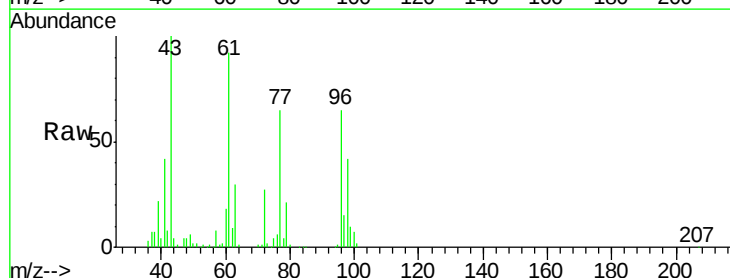
RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Tgt Ion:	96	Resp:	253087
Ion Ratio	Lower	Upper	
96	100		
61	141.5	116.7	175.1
98	64.3	50.8	76.2

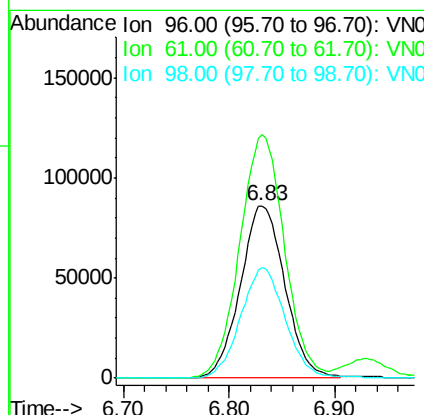
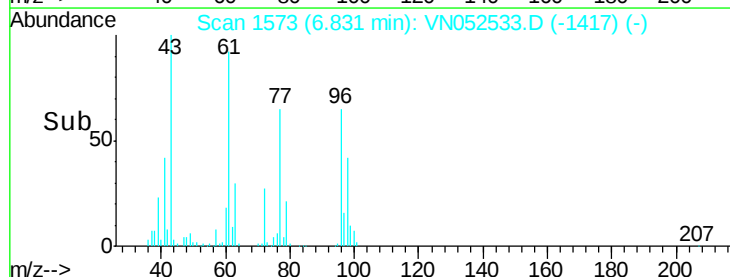


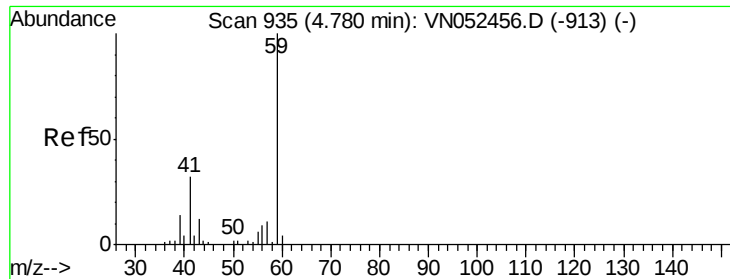
Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN052456.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1551) (-)

Time-->





#23

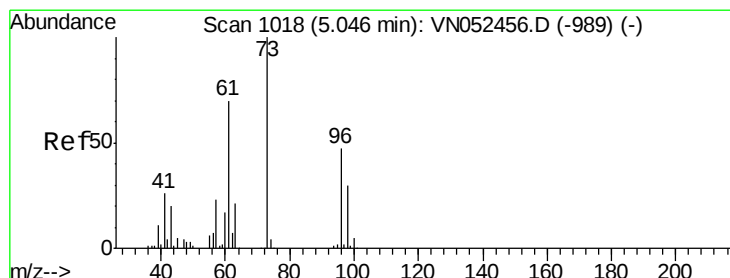
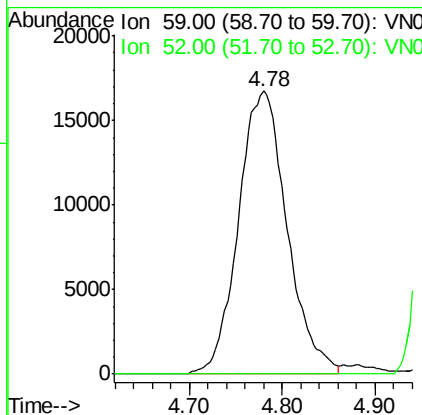
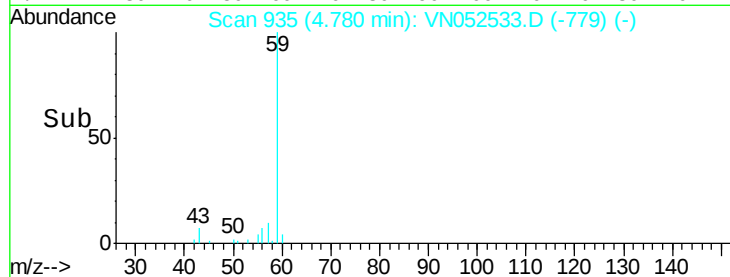
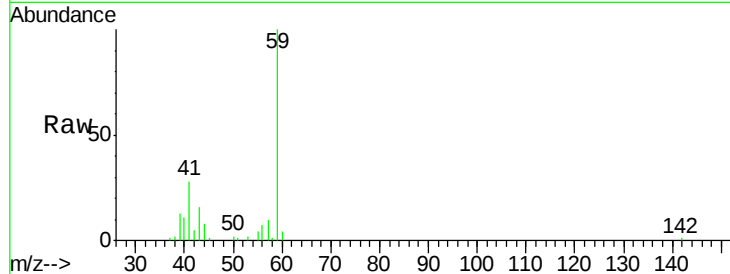
tert-Butyl Alcohol
 Concen: 106.637 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		60939		
52	0.0		0.0	0.0	0.0

Manual Integrations
 APPROVED

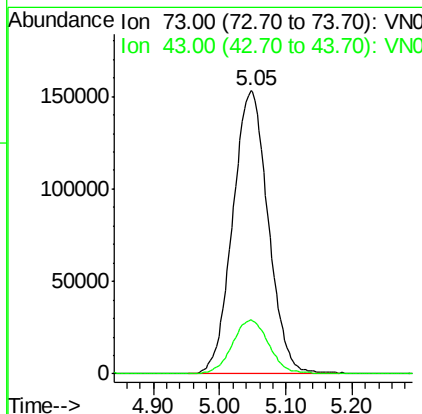
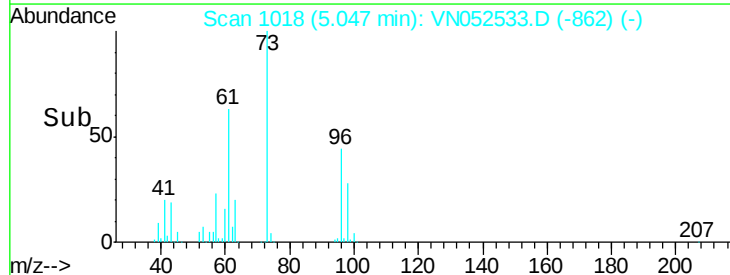
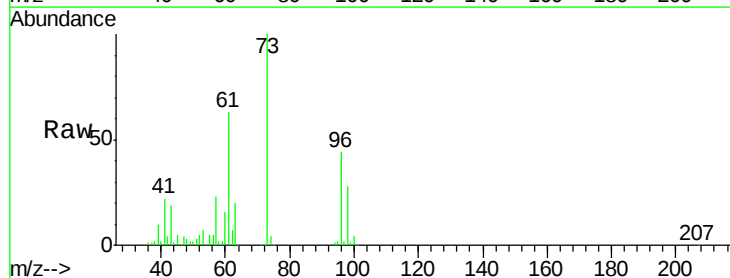
MMDadoda
 11/29/2018 9:32:56 AM

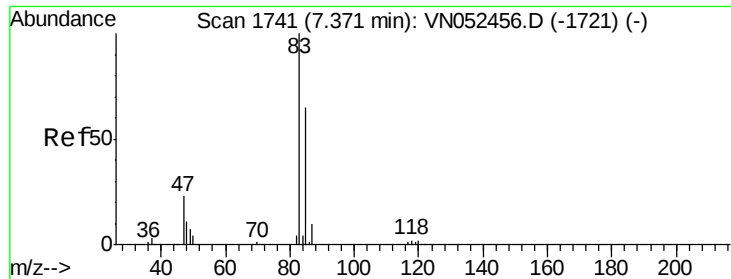


#24

Methyl tert-Butyl Ether
 Concen: 20.449 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		569250		
43	19.3		15.8	23.8	





#25

Chloroform

Concen: 19.285 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 412366

Ion Ratio Lower Upper

83 100

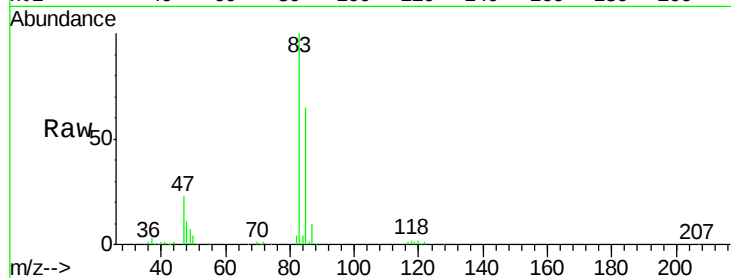
85 65.0 51.7 77.5

Manual Integrations

APPROVED

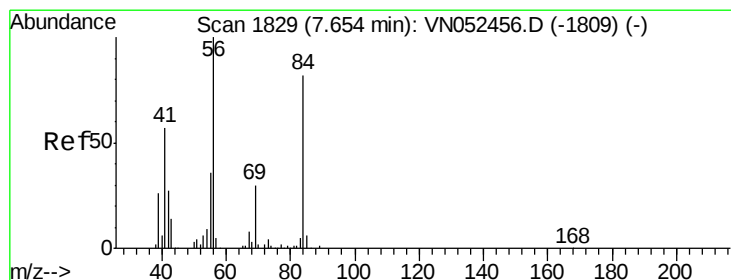
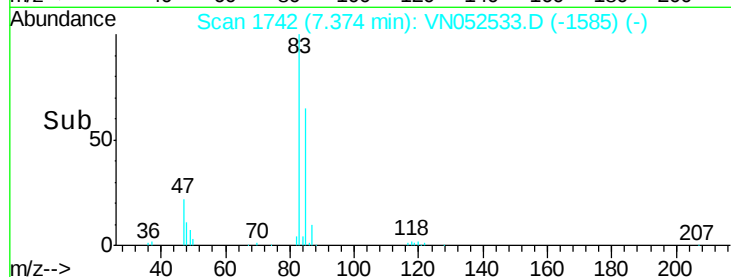
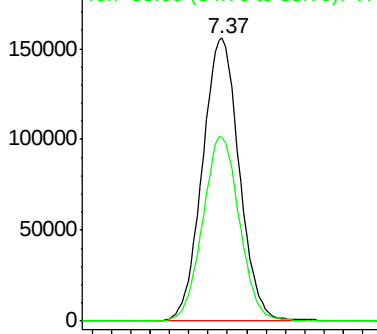
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 18.491 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

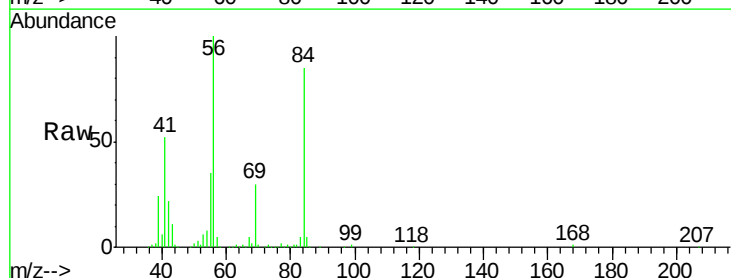
Tgt Ion: 56 Resp: 386562

Ion Ratio Lower Upper

56 100

89 0.2 0.5 0.7#

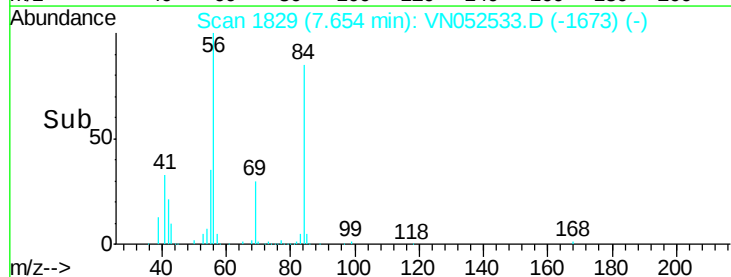
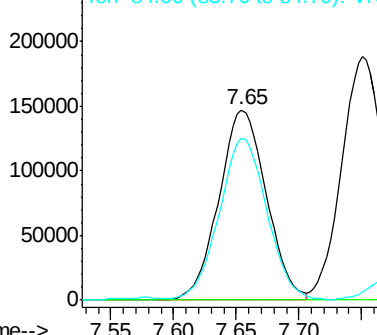
84 86.2 66.2 99.2

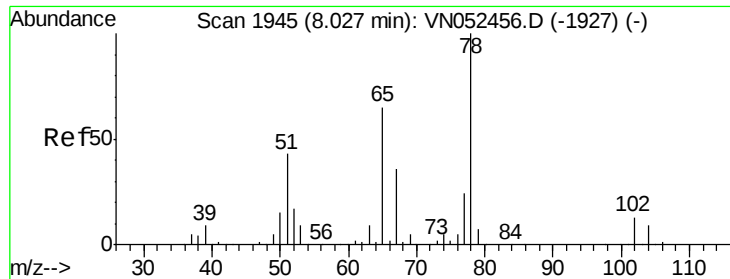


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





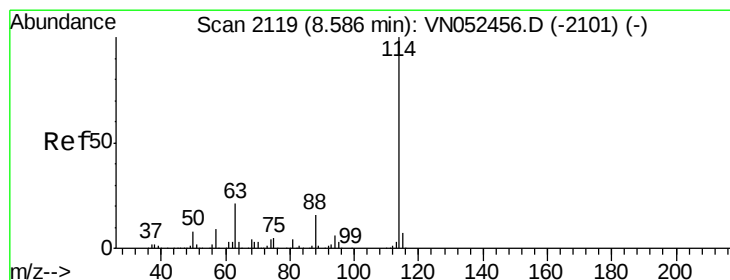
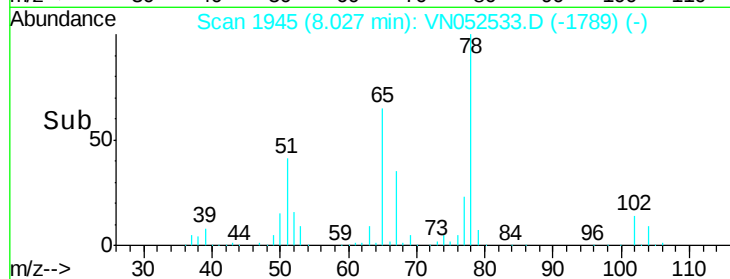
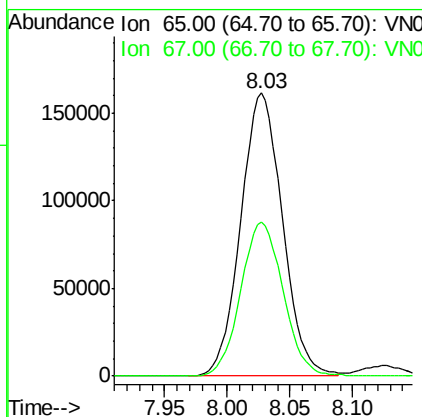
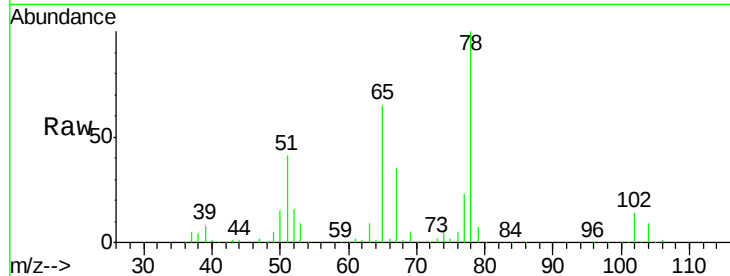
#27
 1,2-Dichloroethane-d4
 Concen: 18.491 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	44.6	66.8

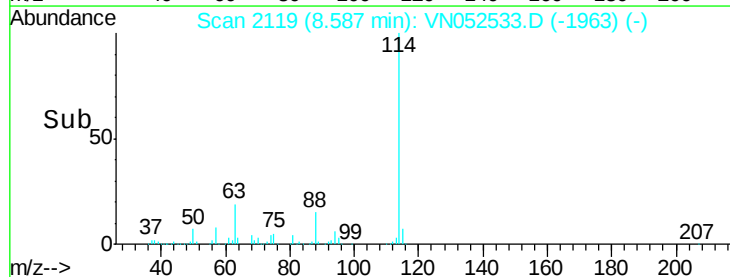
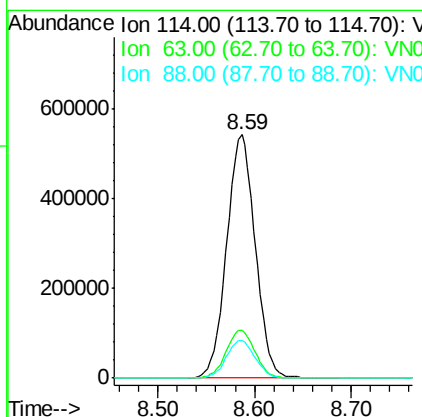
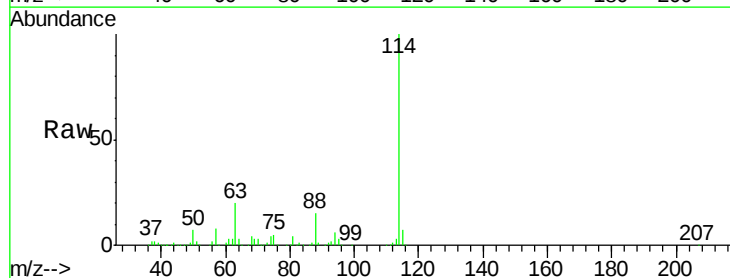
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.9	25.3
88	15.5	12.8	19.2





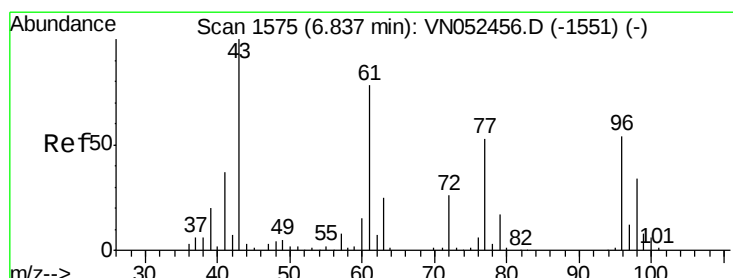
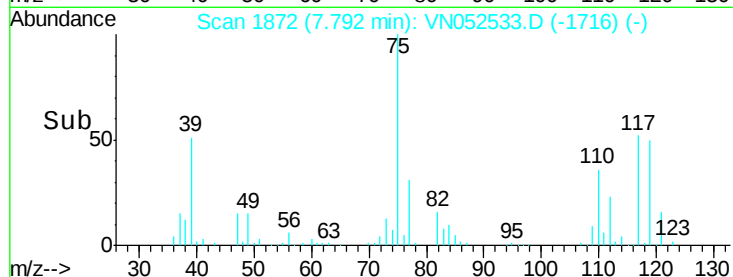
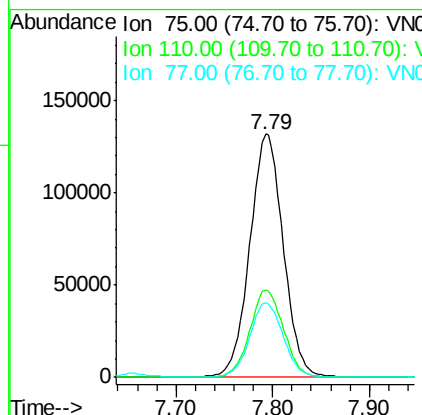
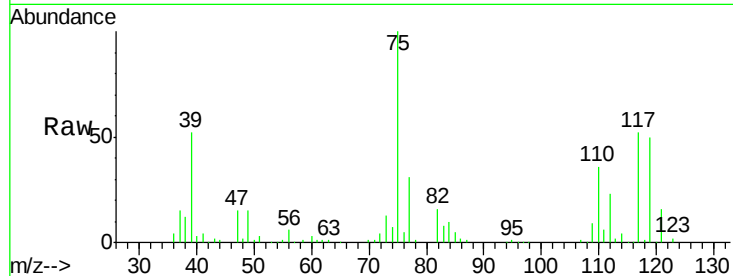
#29
 1,1-Dichloropropene
 Concen: 18.638 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.0	0.0	70.2
77	31.0	0.0	62.6

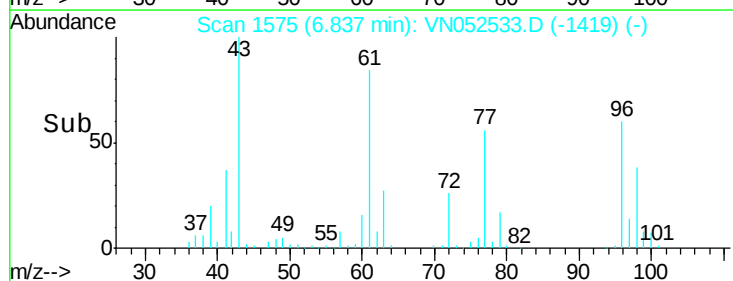
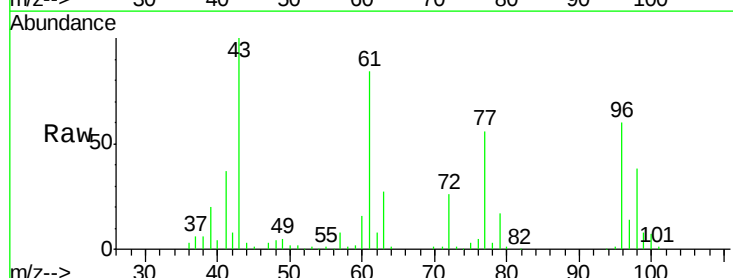
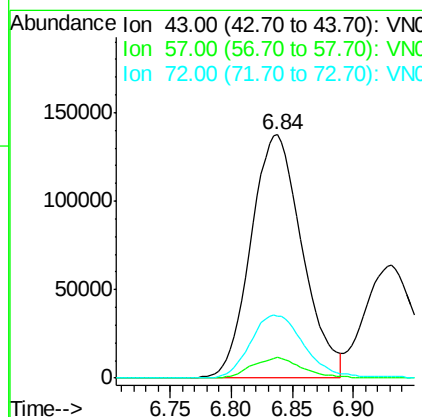
Manual Integrations
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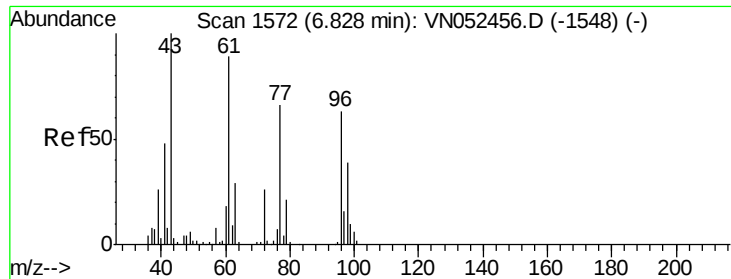
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 11/29/2018 9:32:56 AM



#30
 2-Butanone
 Concen: 87.701 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.2	9.4
72	27.6	21.0	31.6





#31

2,2-Dichloropropane

Concen: 17.662 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 276263

Ion Ratio Lower Upper

77 100

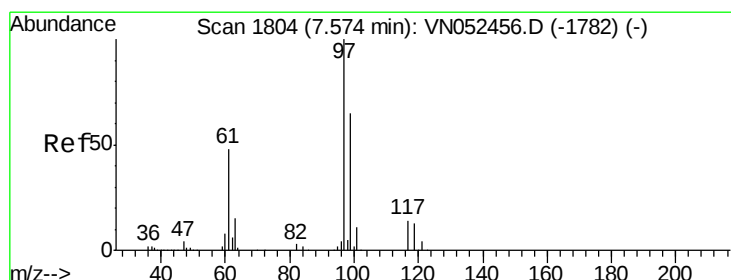
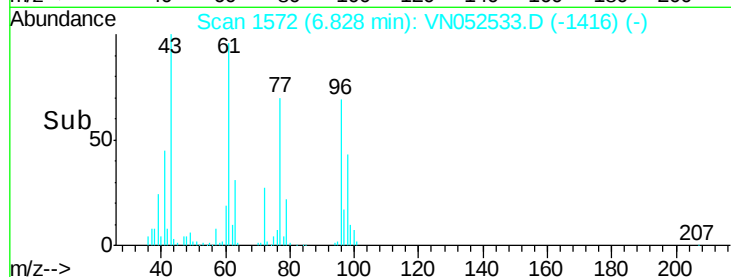
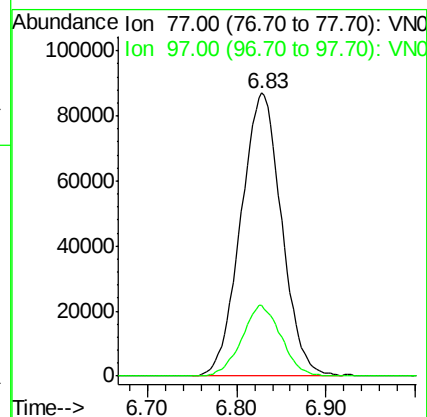
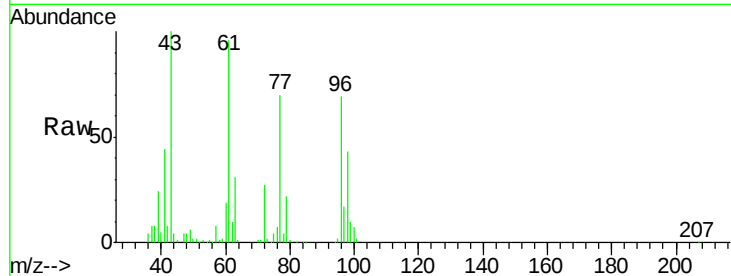
97 24.2 18.7 28.1

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.058 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

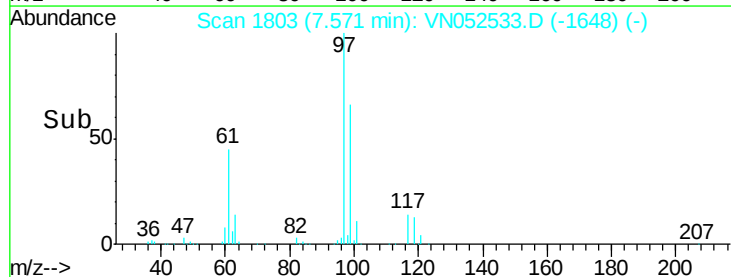
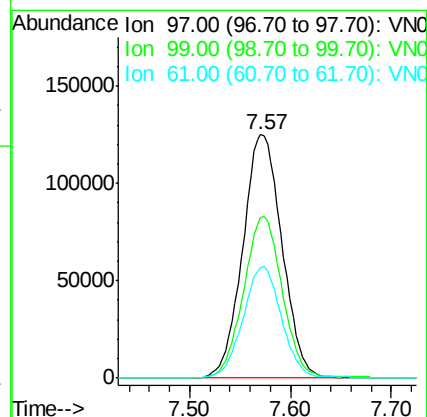
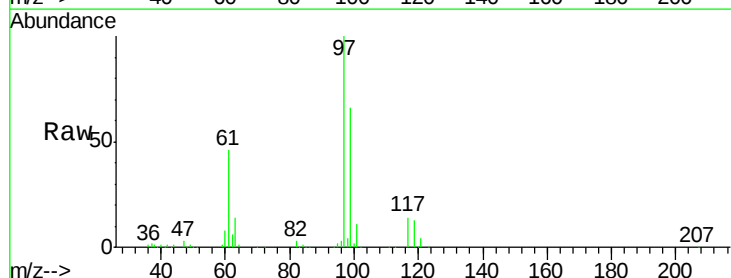
Tgt Ion: 97 Resp: 336929

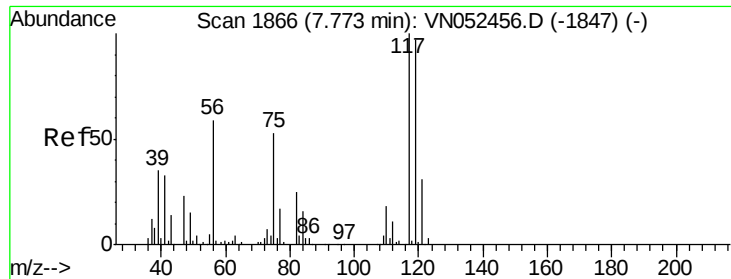
Ion Ratio Lower Upper

97 100

99 65.3 50.9 76.3

61 45.0 38.1 57.1





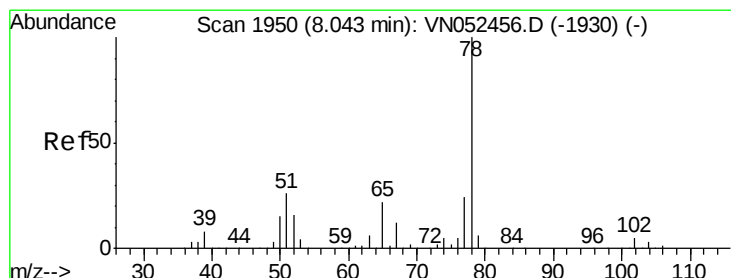
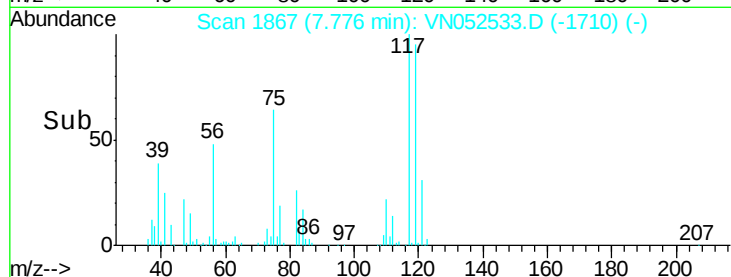
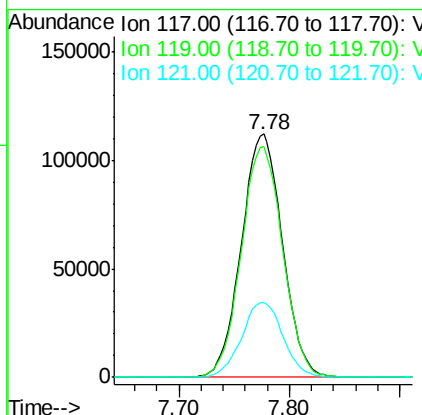
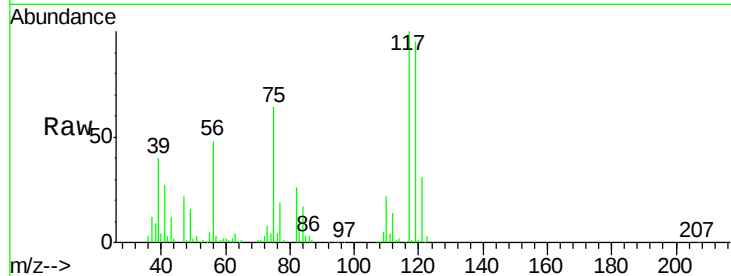
#33
Carbon Tetrachloride
Concen: 18.722 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.3	115.9
121	30.6	24.9	37.3

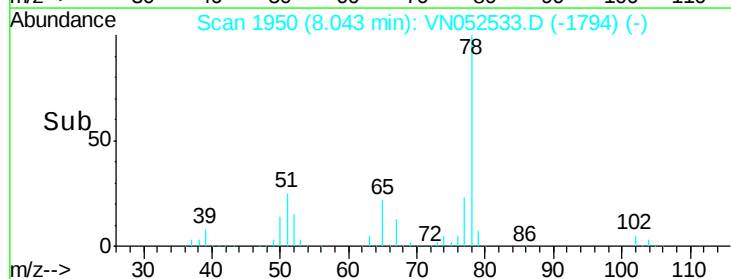
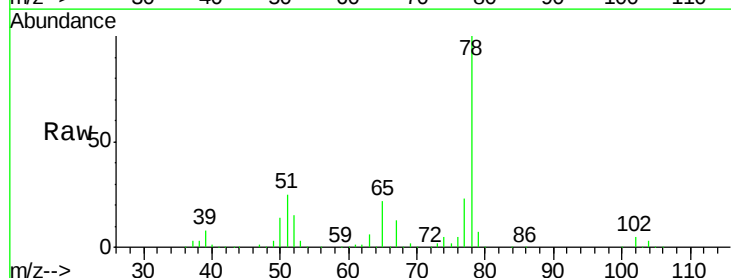
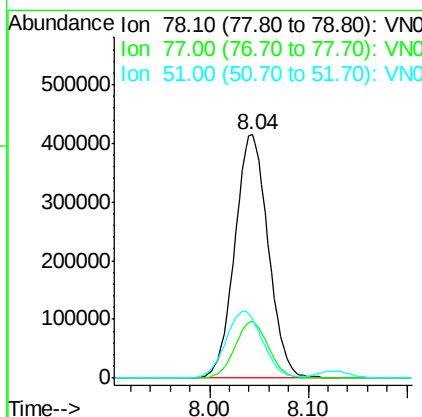
Manual Integrations
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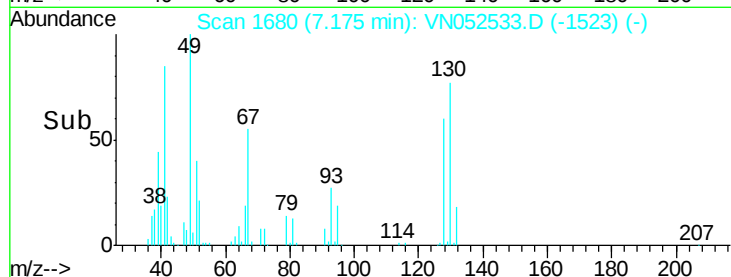
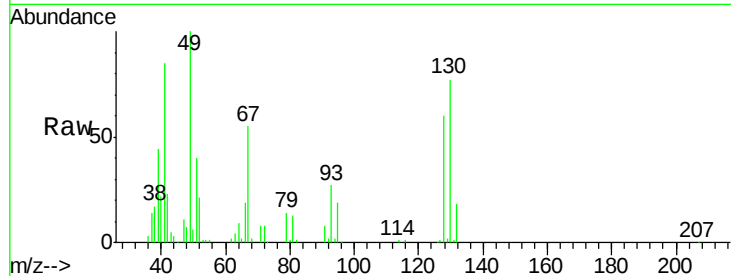
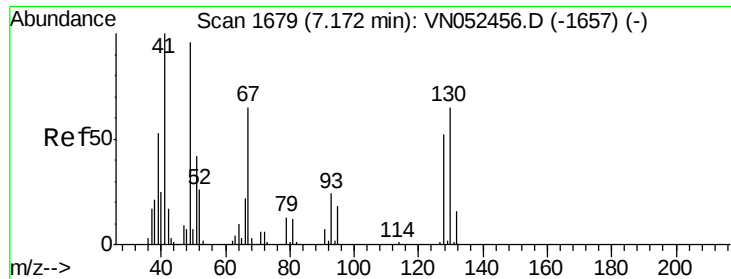
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11/29/2018 9:32:56 AM



#34
Benzene
Concen: 19.011 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6
51	24.4	20.5	30.7





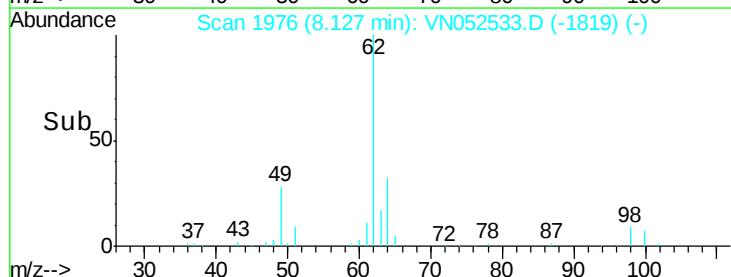
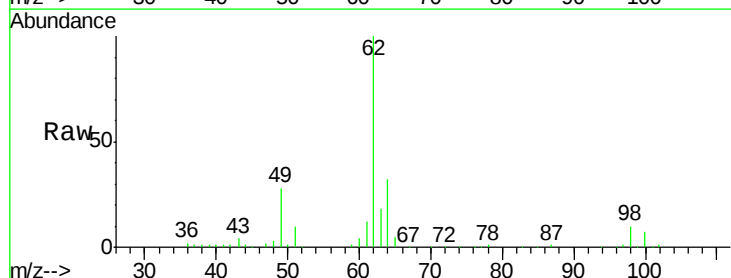
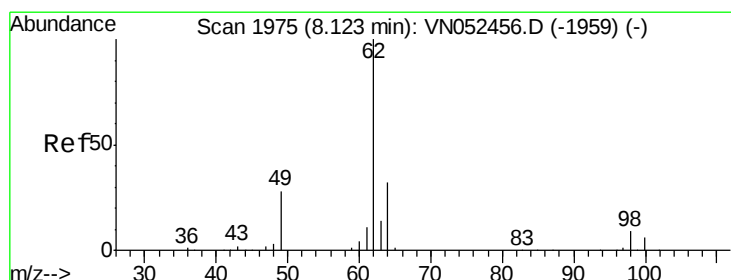
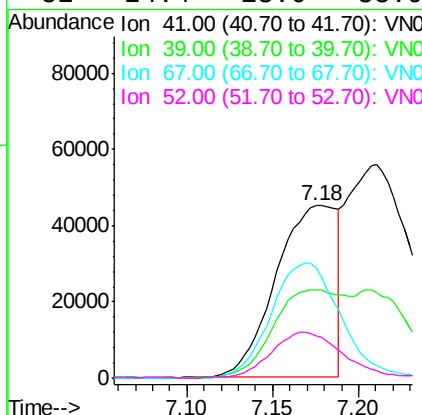
#35
Methacrylonitrile
Concen: 19.630 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.7	26.6	79.7
67	64.1	32.3	96.9
52	24.4	13.0	38.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

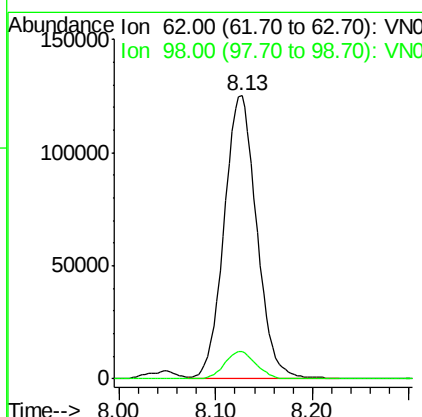
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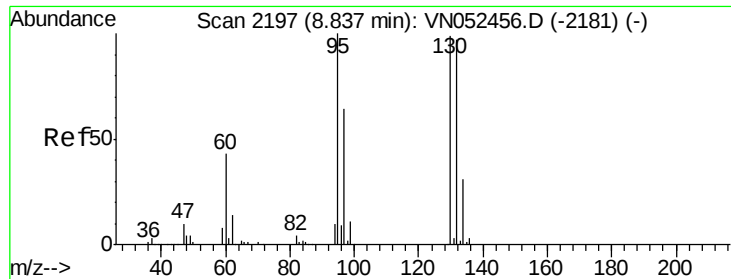
MMDadoda
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#36
1,2-Dichloroethane
Concen: 18.964 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2





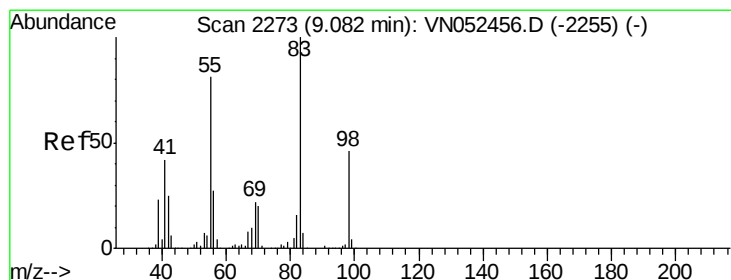
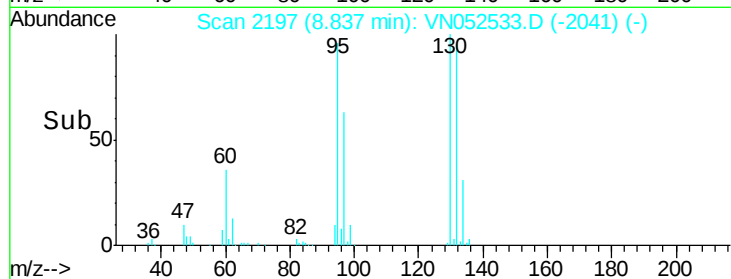
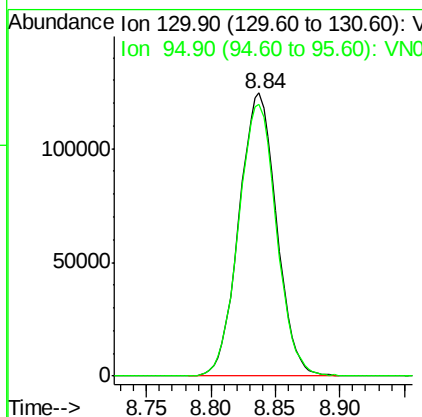
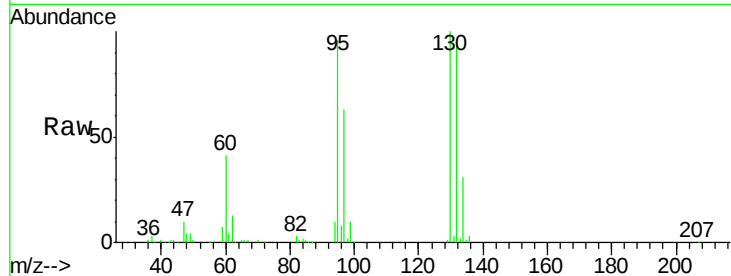
#37
 Trichloroethene
 Concen: 19.478 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	252309		
95	96.0	81.0	121.4	

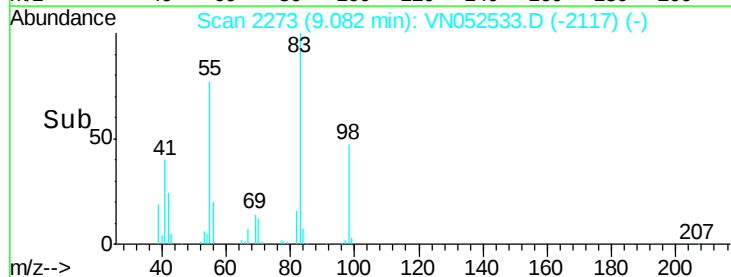
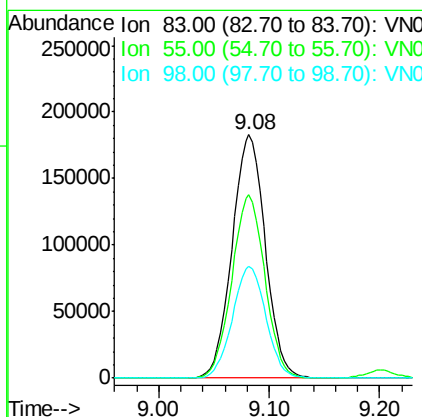
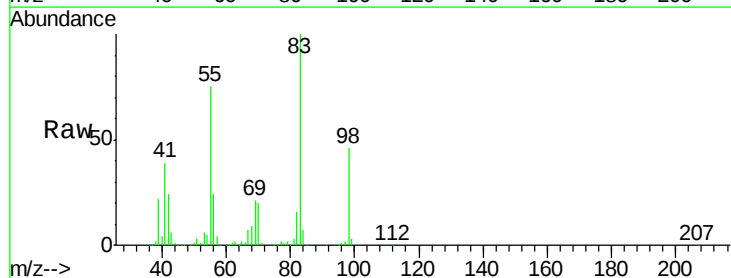
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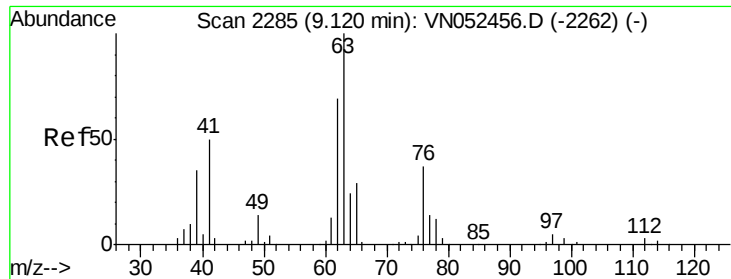
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#38
 Methylcyclohexane
 Concen: 18.118 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	381078		
55	75.0	39.8	119.4	
98	46.4	22.9	68.5	





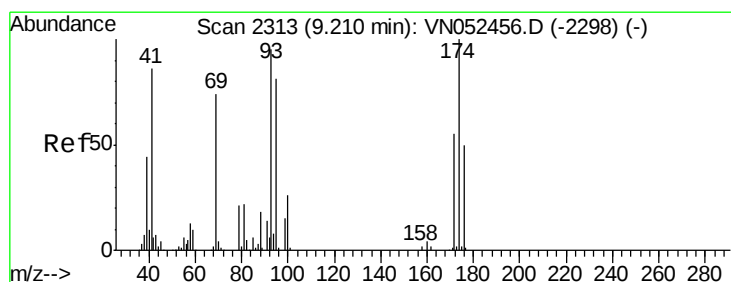
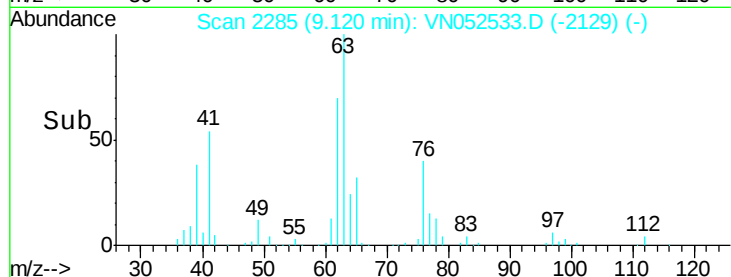
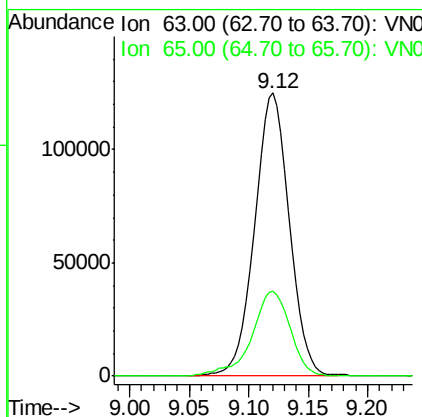
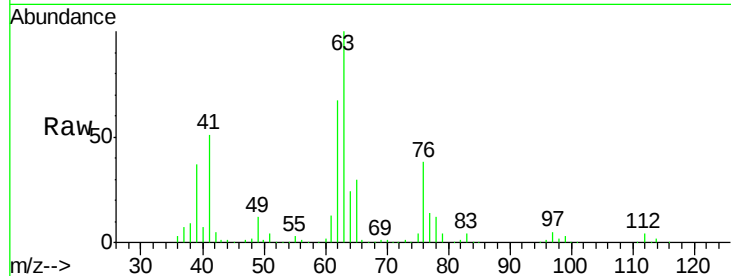
#39
 1,2-Dichloropropane
 Concen: 18.462 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 252801
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.6 35.4

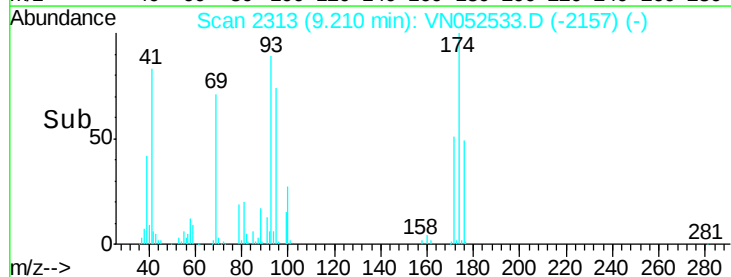
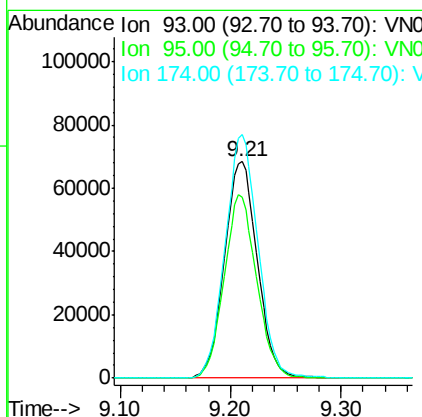
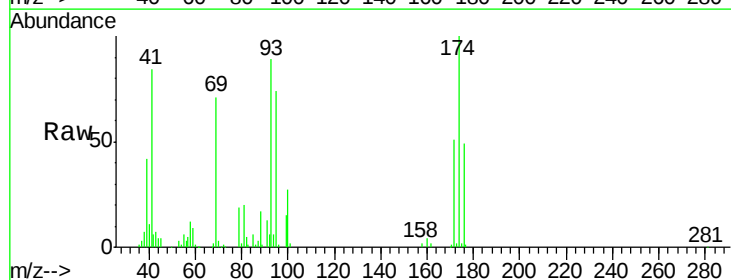
Manual Integrations
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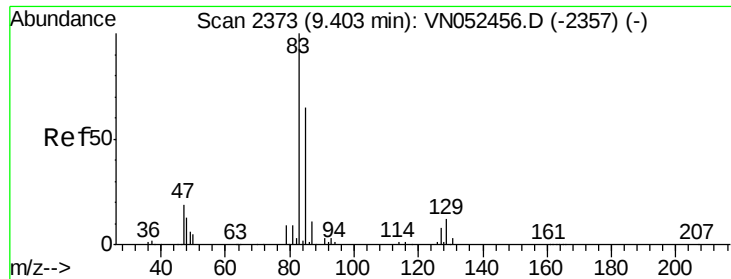
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 11/29/2018 9:32:56 AM



#40
 Dibromomethane
 Concen: 19.107 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion: 93 Resp: 141381
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 168.4
 174 111.9 0.0 210.0





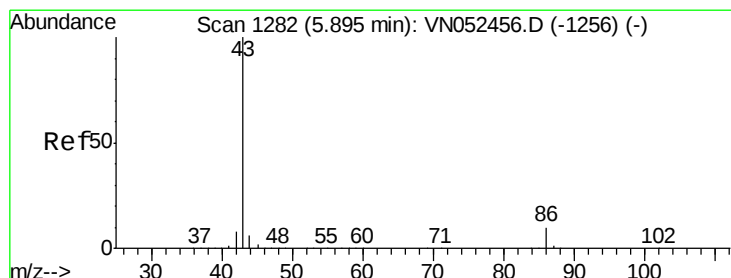
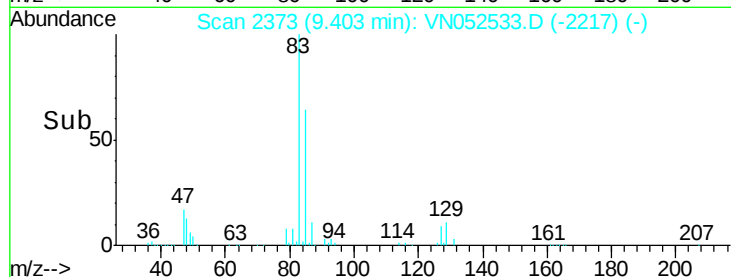
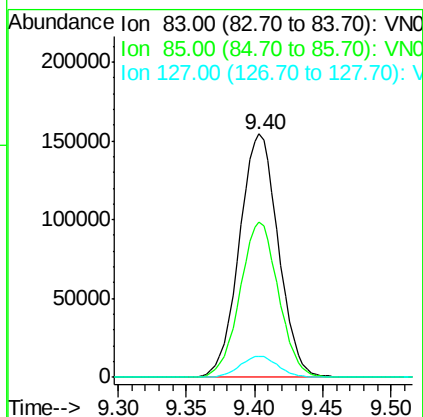
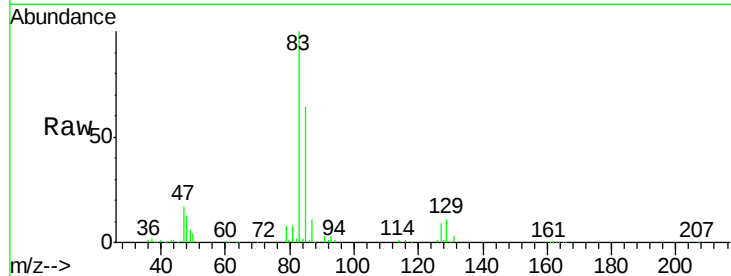
#41
Bromodichloromethane
Concen: 18.687 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	305507
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	52.4	78.6
127	8.7	6.6	9.8

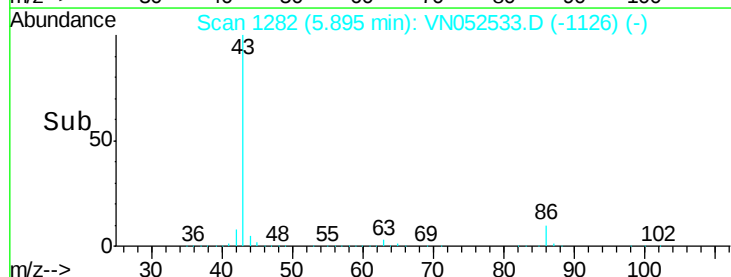
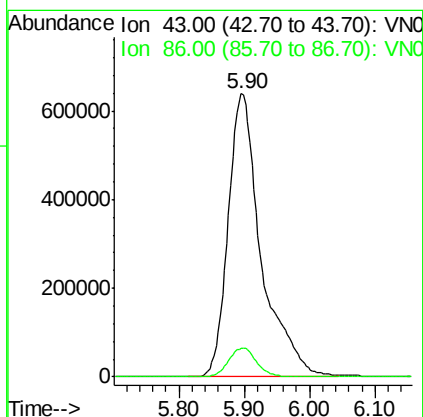
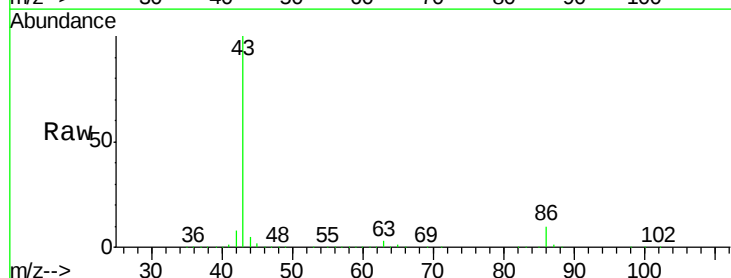
Manual Integrations
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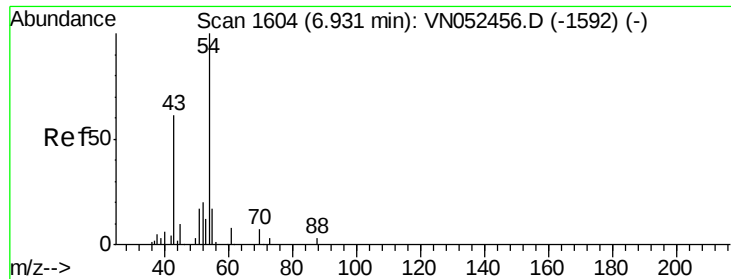
MMDadoda
11/29/2018 9:32:56 AM



#42
Vinyl Acetate
Concen: 91.404 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	43	Resp	2248433
Ion Ratio	100	Lower	Upper
43	100		
86	8.7	6.5	9.7





#43

Ethyl Acetate

Concen: 18.570 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 179524

Ion Ratio Lower Upper

43 100

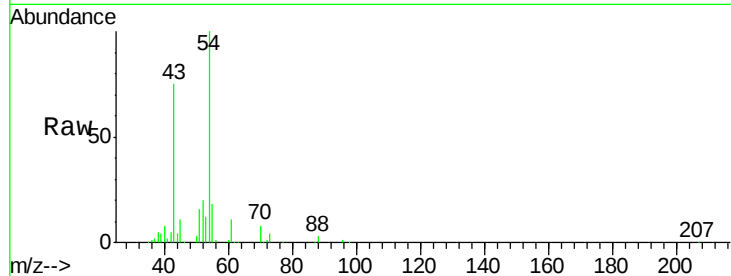
45 14.1 1.0 1.6#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

150000

100000

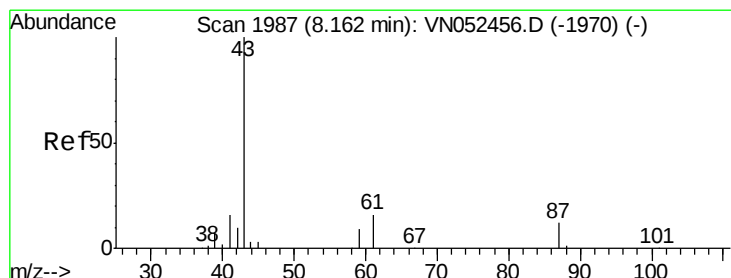
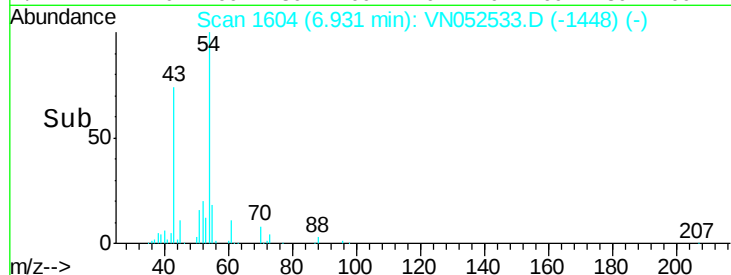
50000

0

6.93

7.00

Time-->



#44

Isopropyl Acetate

Concen: 19.383 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052533.D

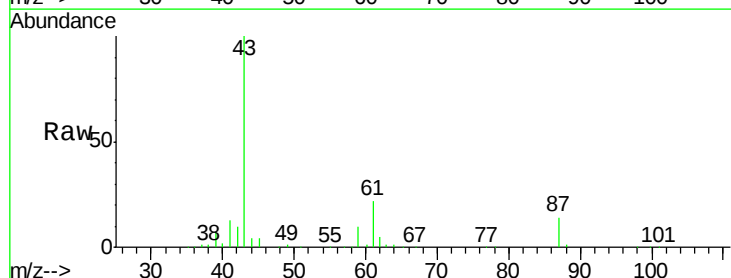
Acq: 28 Nov 2018 21:41

Tgt Ion: 43 Resp: 328631

Ion Ratio Lower Upper

43 100

61 30.9 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

100000

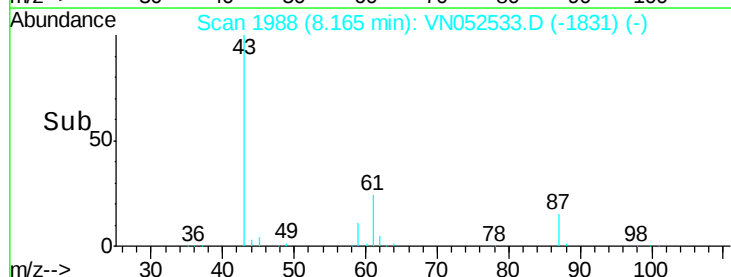
50000

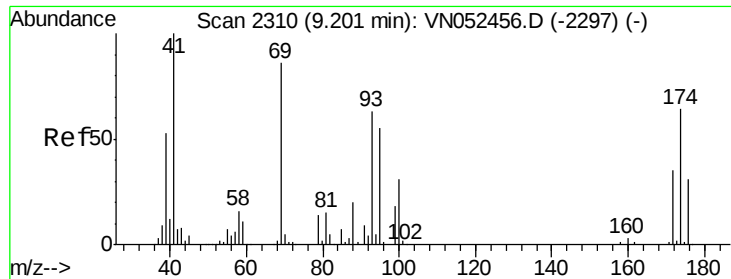
0

8.17

8.25

Time-->





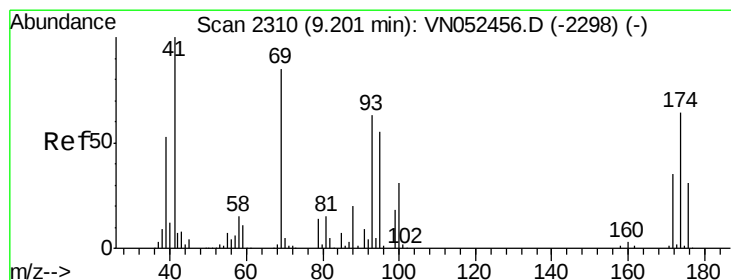
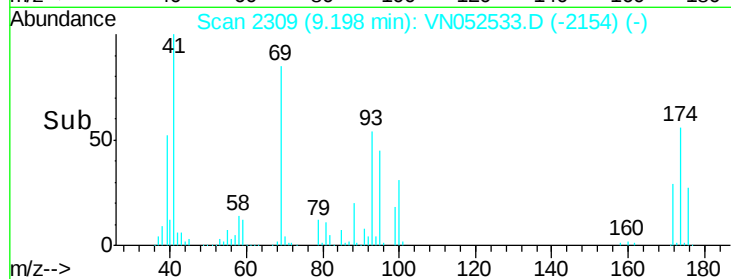
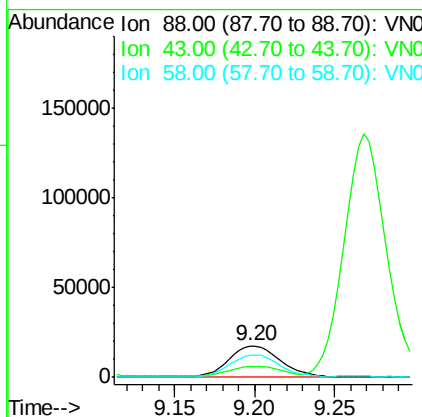
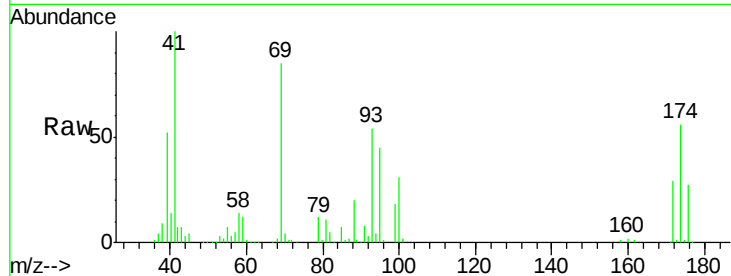
#45
 1,4-Dioxane
 Concen: 415.305 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.1	29.5	44.3	
58	70.4	61.5	92.3	

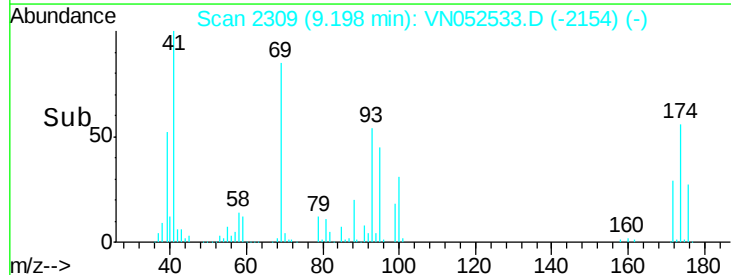
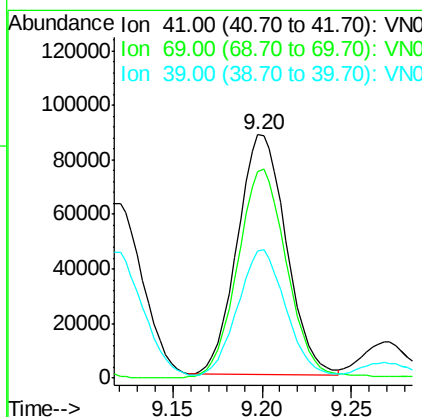
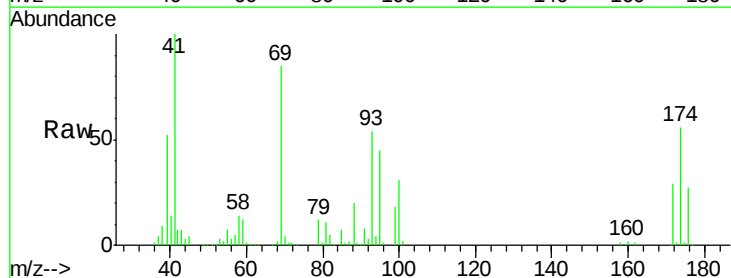
Manual Integrations
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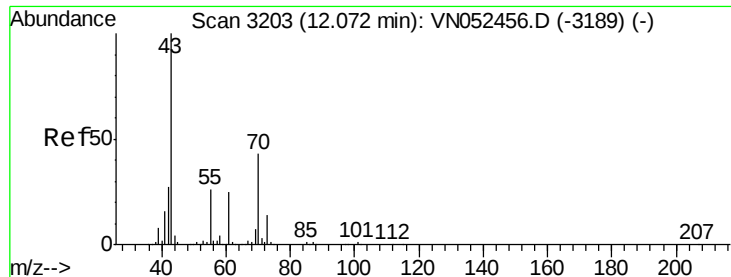
MMDadoda
 11/29/2018 9:32:56 AM



#46
 Methyl methacrylate
 Concen: 19.079 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.0	42.5	127.6	
39	51.8	26.3	78.9	





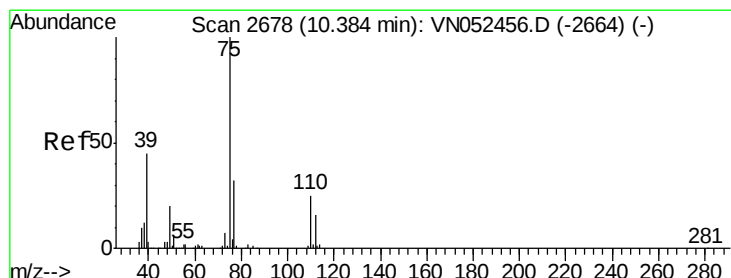
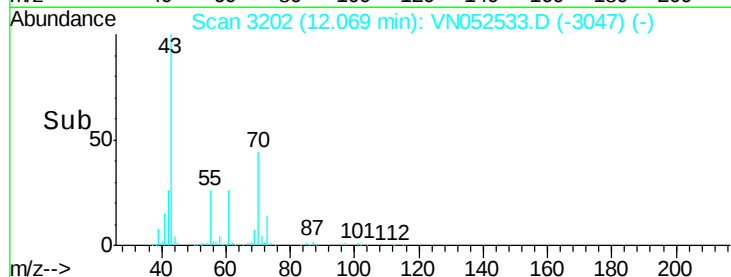
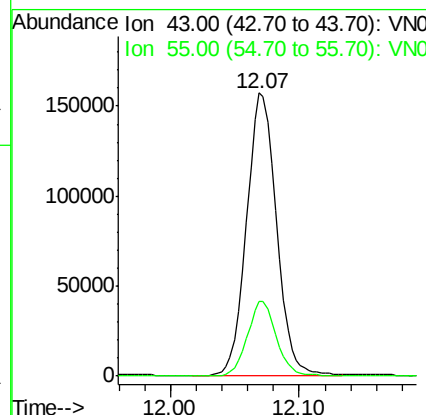
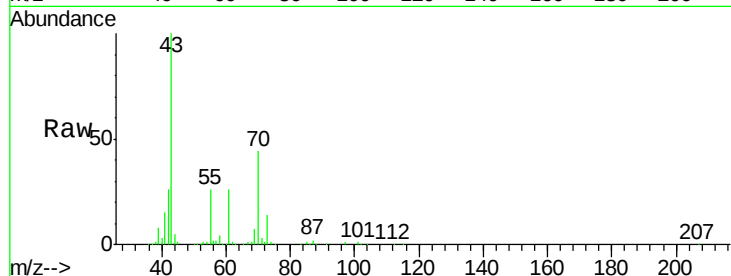
#47
n-amvl Acetate
Concen: 18.025 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 253386
Ion Ratio Lower Upper
43 100
55 25.7 21.1 31.7

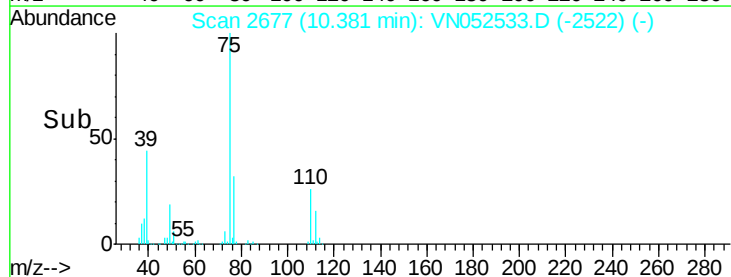
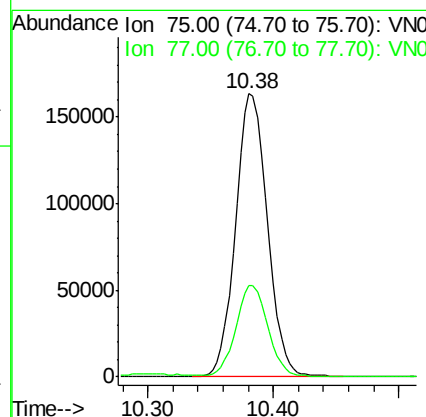
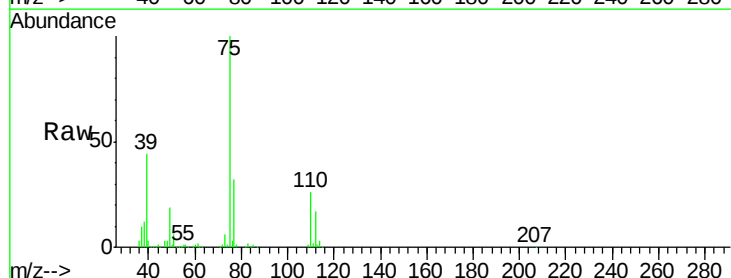
Manual Integrations
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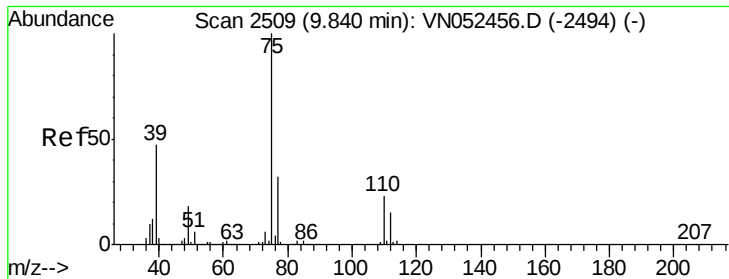
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#48
t-1,3-Dichloropropene
Concen: 18.206 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 75 Resp: 288591
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 18.273 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

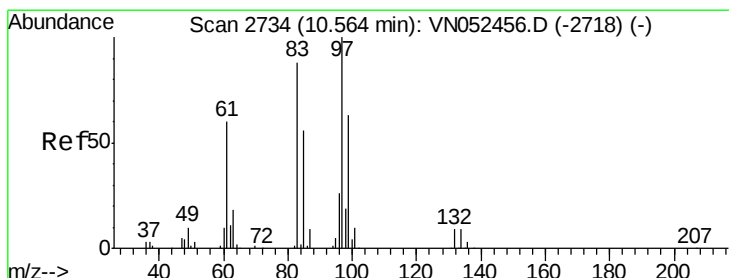
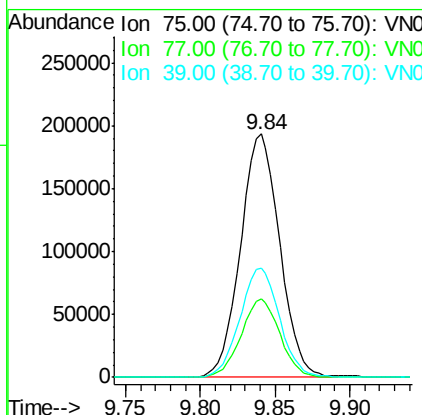
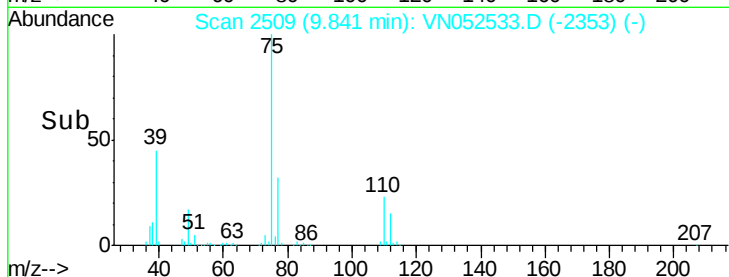
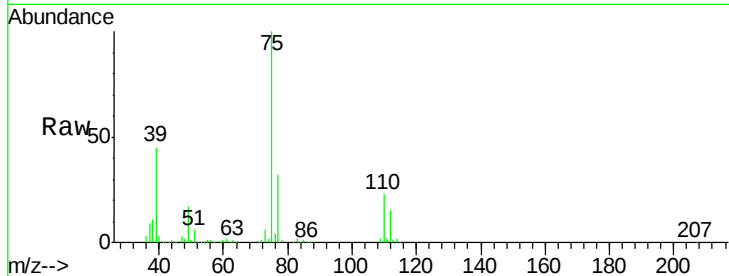
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	352906
Ion Ratio	Lower	Upper	
75	100		
77	32.3	25.4	38.0
39	44.9	37.3	55.9

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.446 ug/l

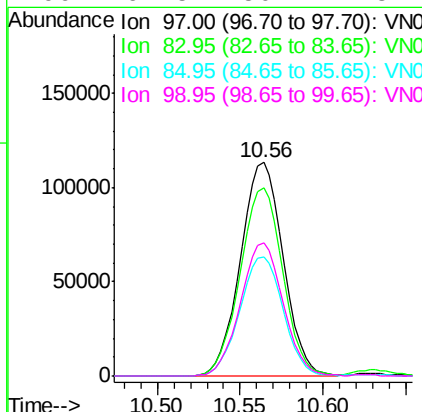
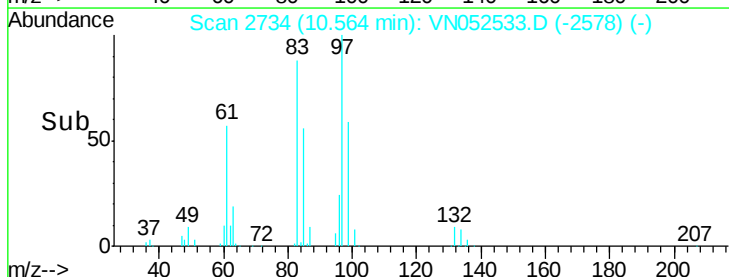
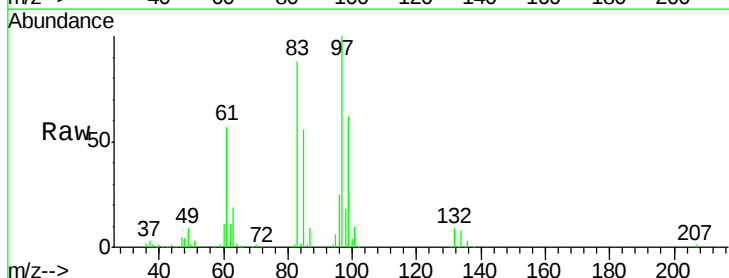
RT: 10.56 min Scan# 2734

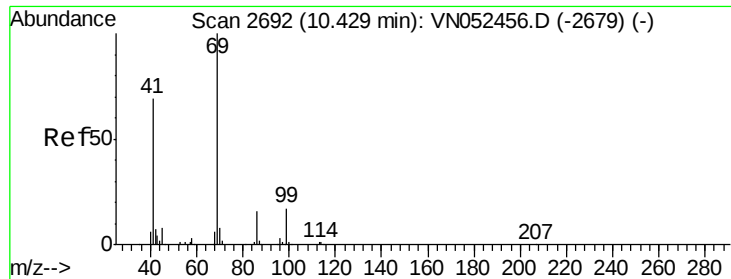
Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Tgt Ion:	97	Resp:	203966
Ion Ratio	Lower	Upper	
97	100		
83	87.9	70.4	105.6
85	56.0	45.0	67.6
99	62.5	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.344 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

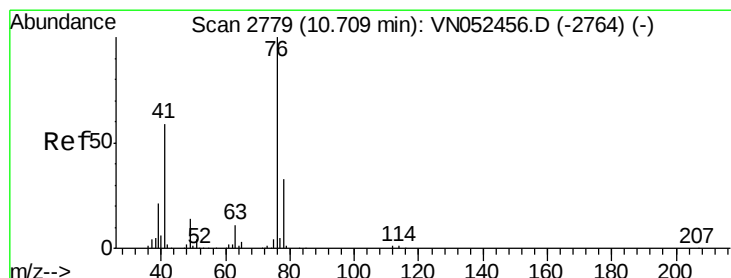
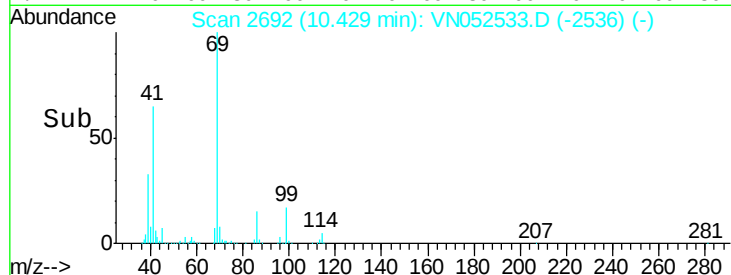
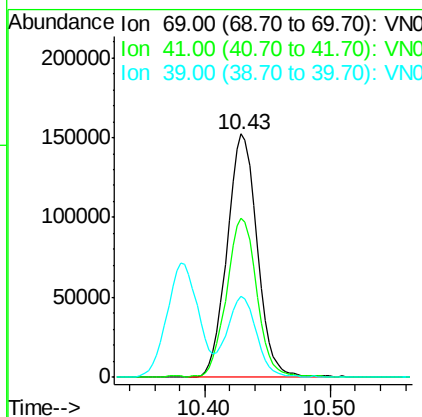
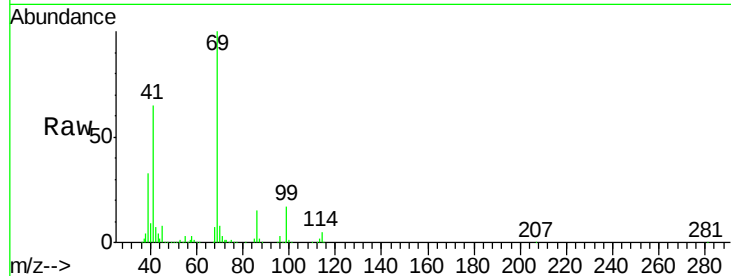
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	254827
Ion	Ratio	Lower	Upper
69	100		
41	65.0	34.4	103.3
39	33.0	16.4	49.2

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#52

1,3-Dichloropropane

Concen: 19.010 ug/l

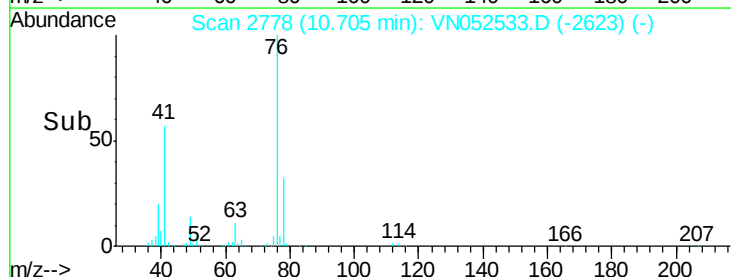
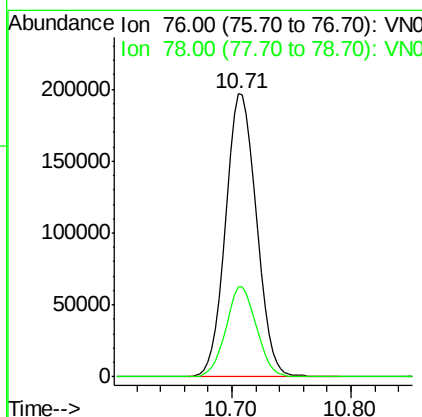
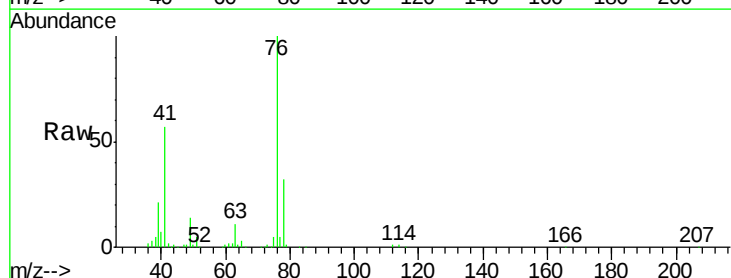
RT: 10.71 min Scan# 2778

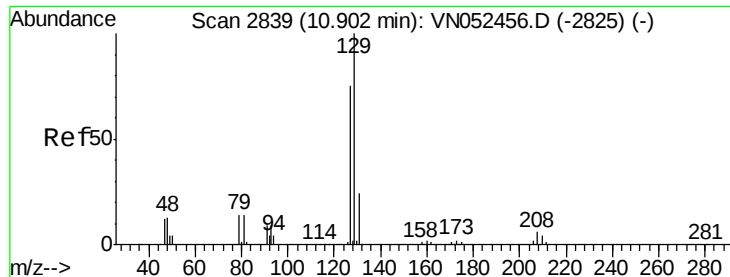
Delta R.T. -0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Tgt Ion:	76	Resp:	354912
Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	64.8





#53

Dibromochloromethane

Concen: 18.658 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 215456

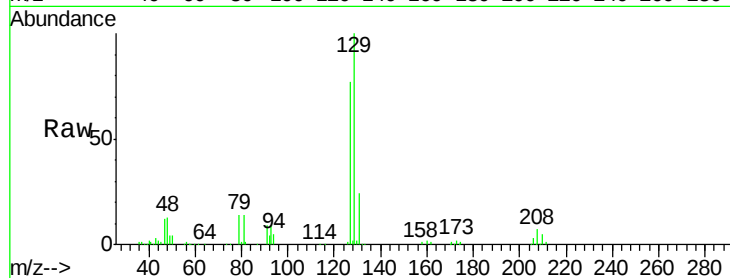
Ion Ratio Lower Upper

129 100

127 77.0 37.6 112.8

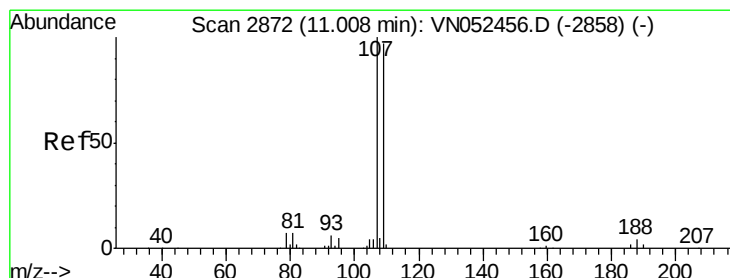
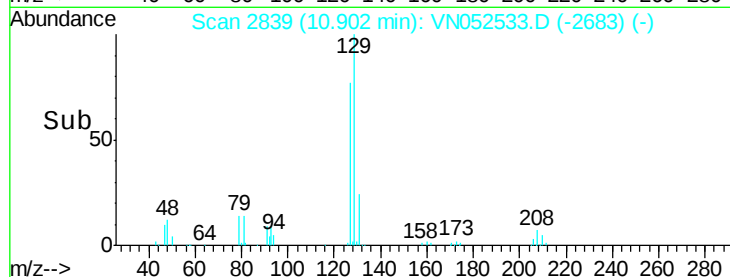
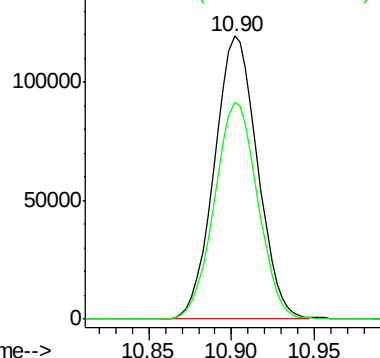
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.412 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052533.D

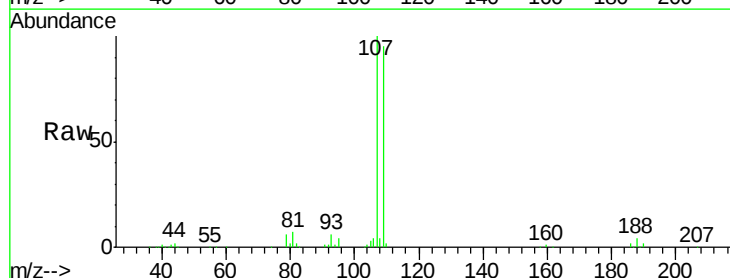
Acq: 28 Nov 2018 21:41

Tgt Ion:107 Resp: 198968

Ion Ratio Lower Upper

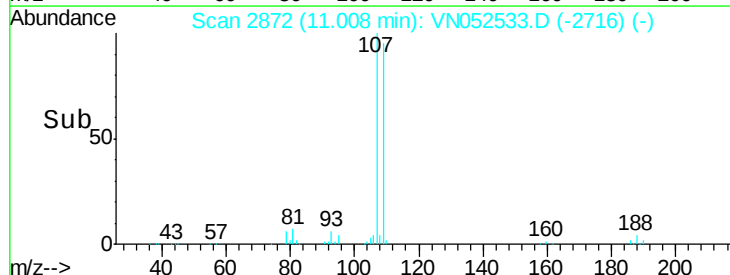
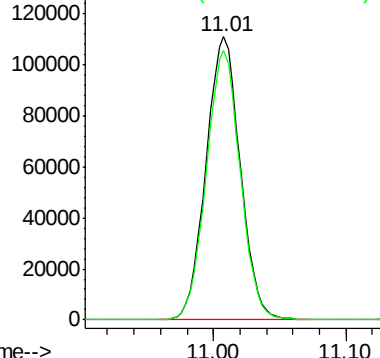
107 100

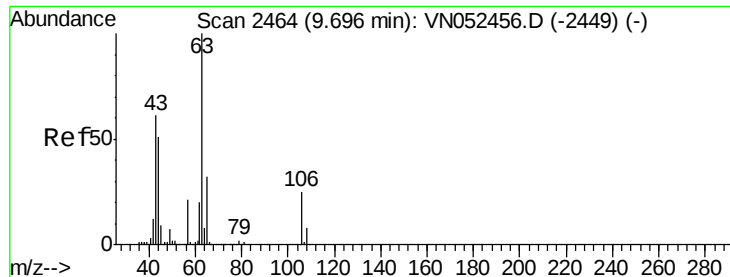
109 94.7 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 94.412 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 728032

Ion Ratio Lower Upper

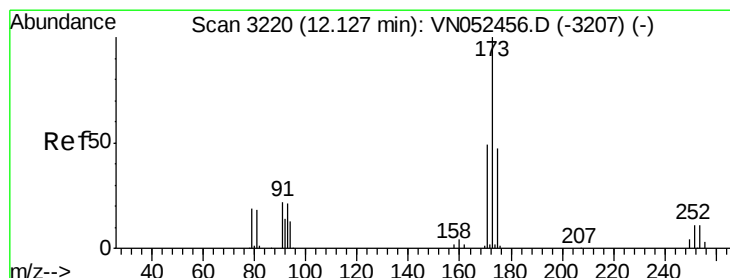
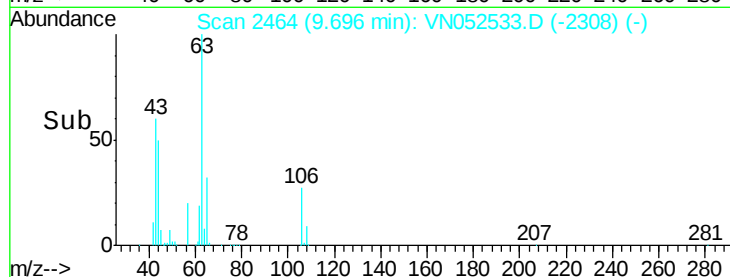
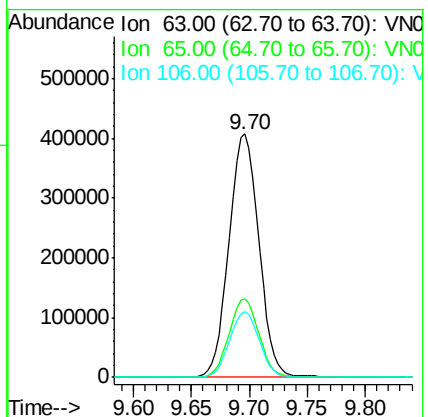
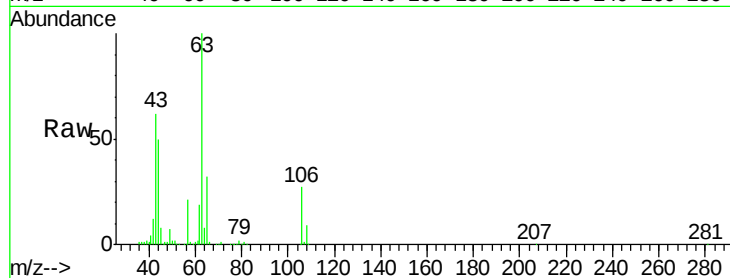
63 100

65 32.0 25.4 38.2

106 26.7 20.4 30.6

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#56

Bromoform

Concen: 18.424 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

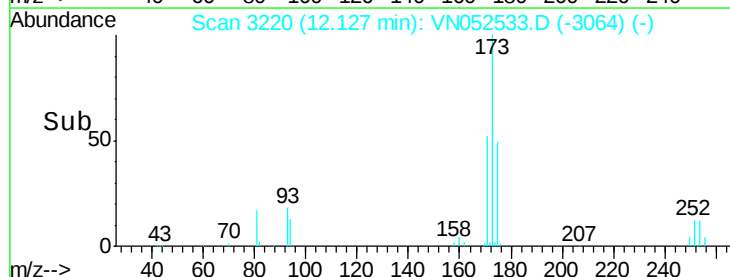
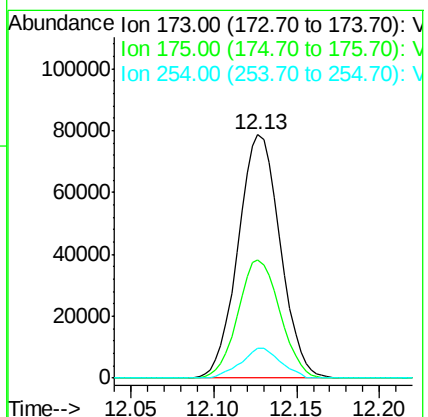
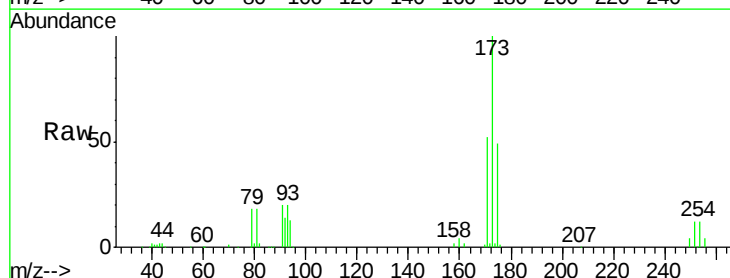
Tgt Ion: 173 Resp: 139068

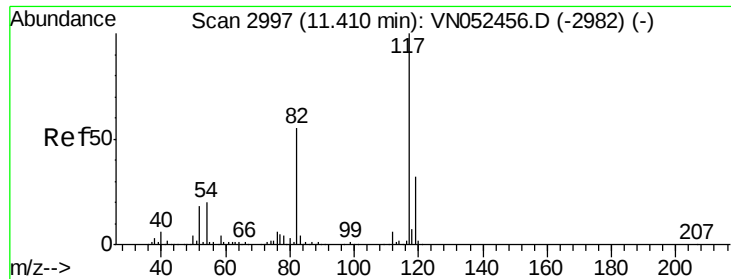
Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 11.4 8.4 12.6





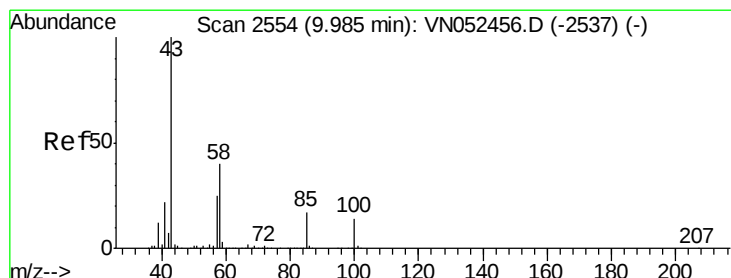
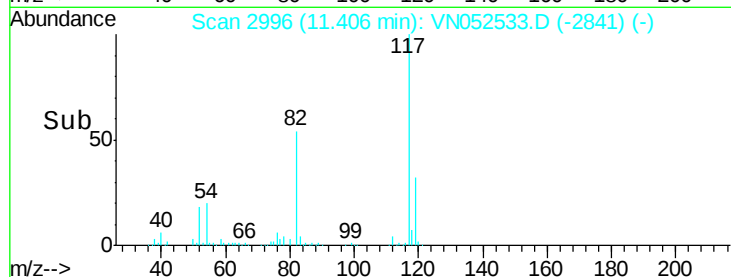
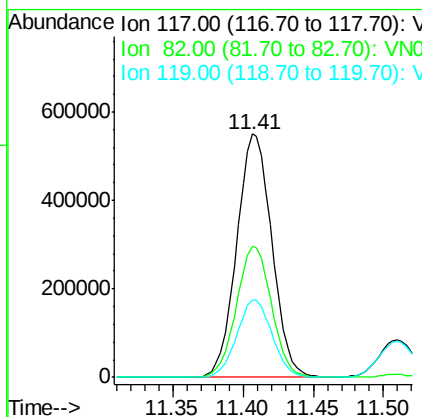
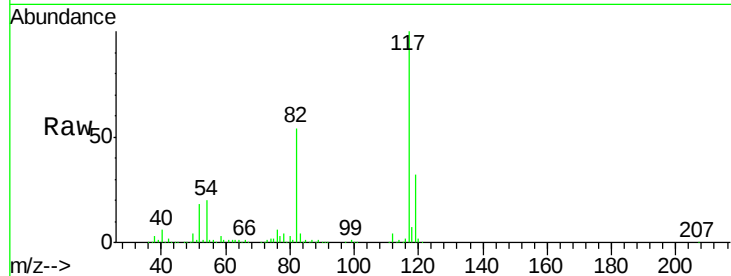
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.8	44.2	66.2
119	31.9	25.4	38.2

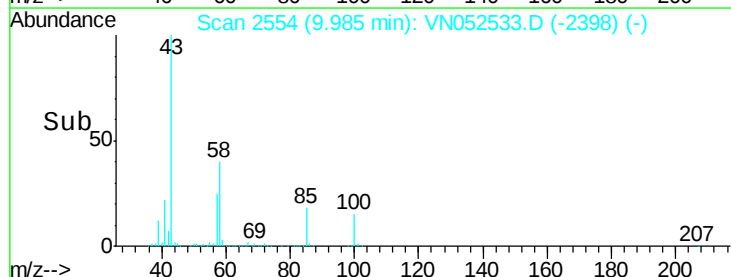
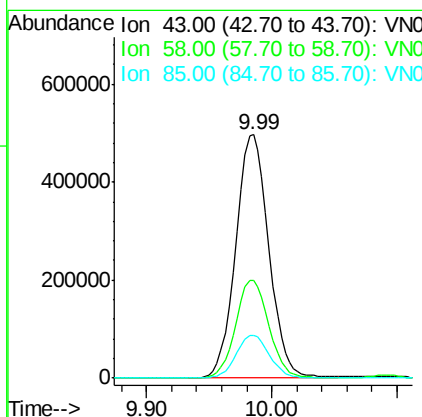
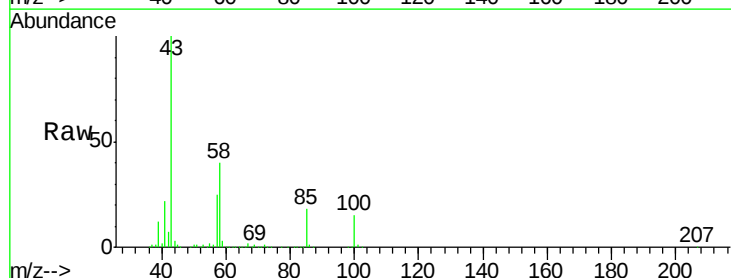
Manual Integrations
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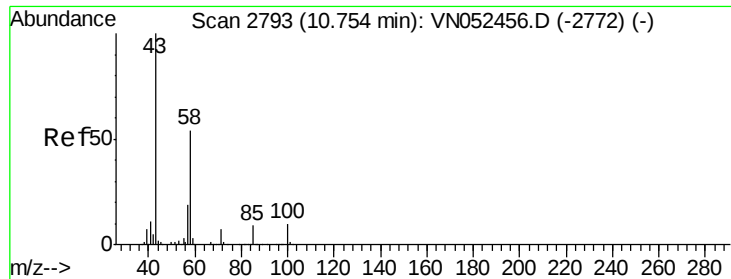
MMDadoda
11/29/2018 9:32:56 AM



#58
4-Methyl-2-Pentanone
Concen: 97.689 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	40.4	31.6	47.4
85	17.7	13.3	19.9





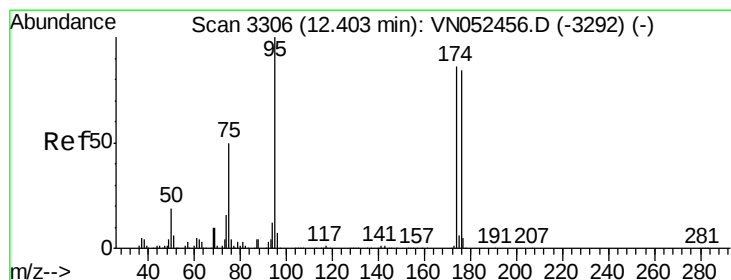
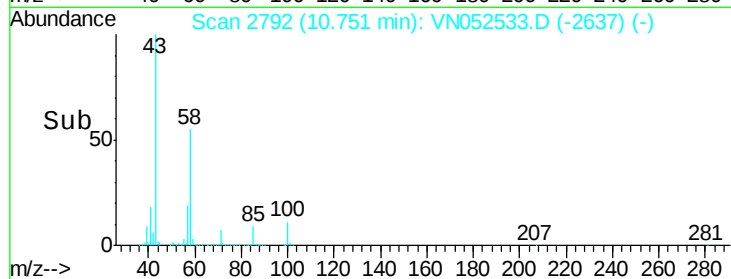
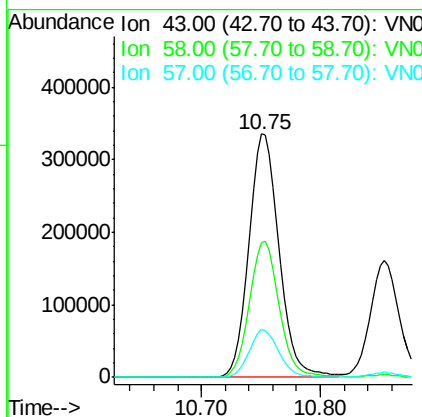
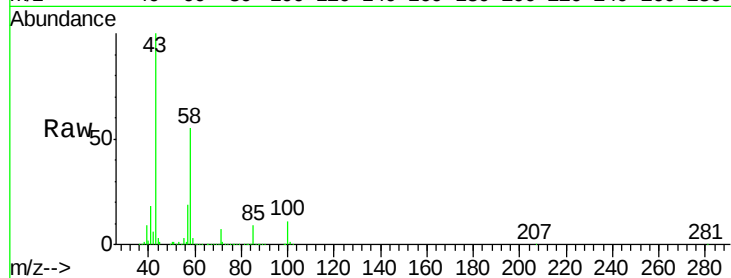
#59
2-Hexanone
Concen: 92.161 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	43.2	64.8
57	19.3	14.9	22.3

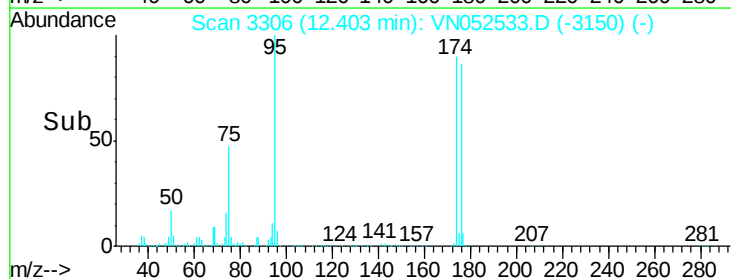
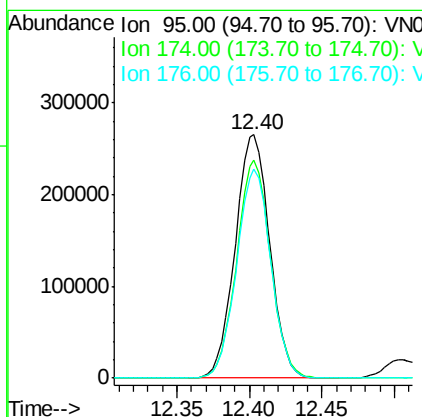
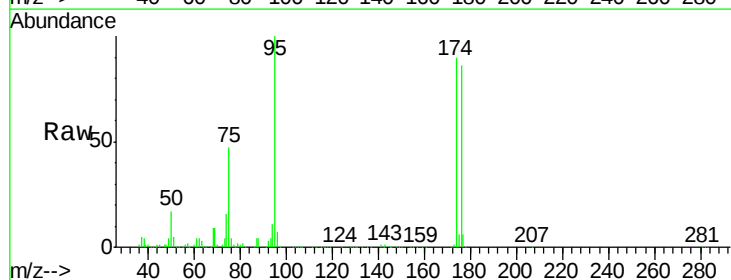
Manual Integrations
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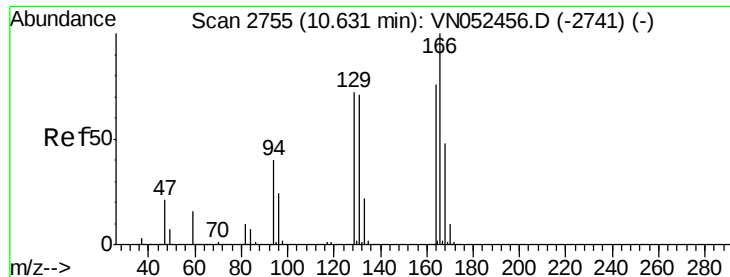
MMDadoda
11/29/2018 9:32:56 AM



#60
4-Bromofluorobenzene
Concen: 92.161 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	67.9	101.9
176	85.1	66.4	99.6





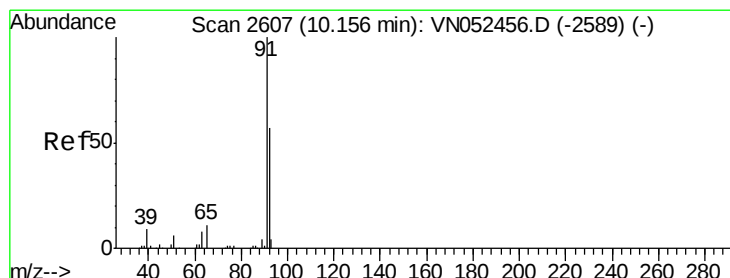
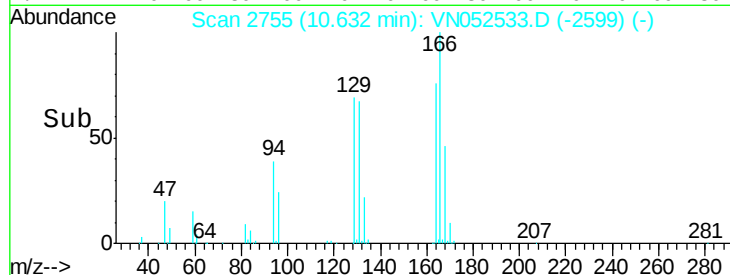
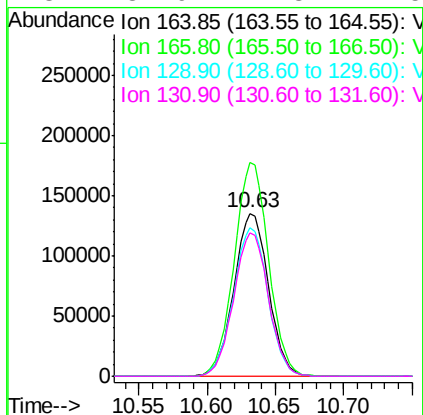
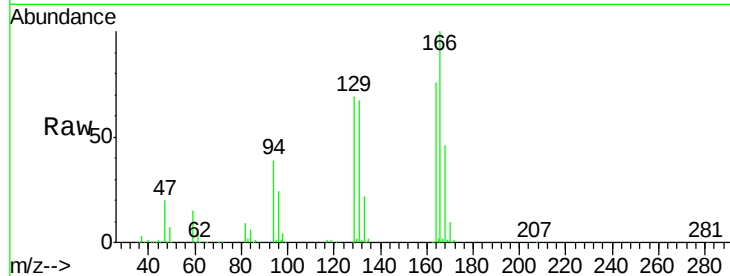
#61
Tetrachloroethene
Concen: 20.136 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.6	157.0
129	91.0	75.3	112.9
131	87.9	74.3	111.5

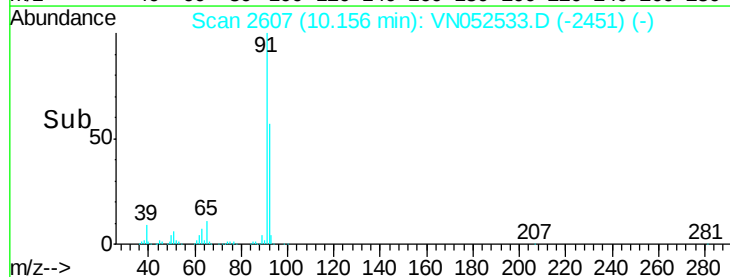
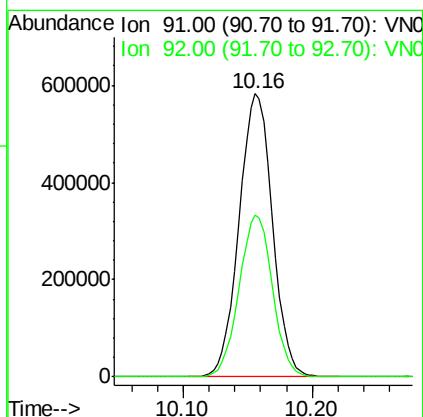
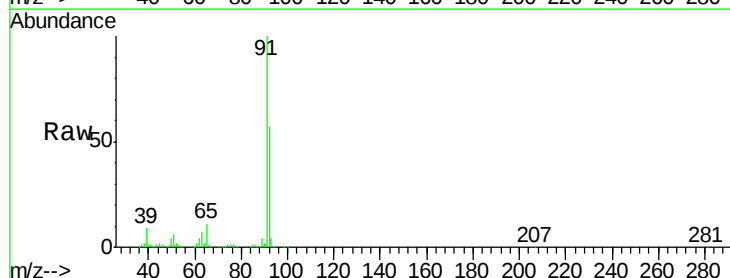
Manual Integrations
APPROVED

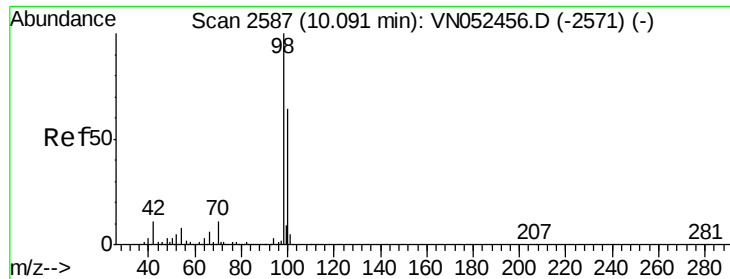
MMDadoda
11/29/2018 9:32:56 AM



#62
Toluene
Concen: 19.834 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.4	68.2





#63

Toluene-d8

Concen: 19.834 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 1335396

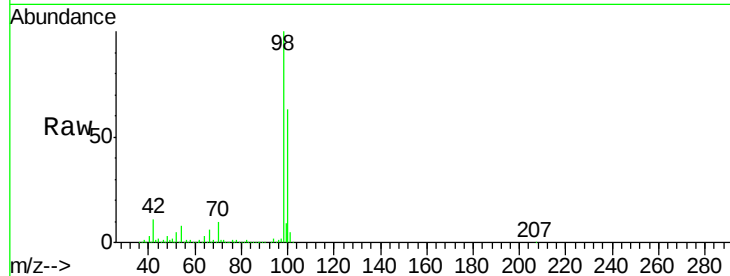
Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7

Manual Integrations
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Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)

800000

600000

400000

200000

0

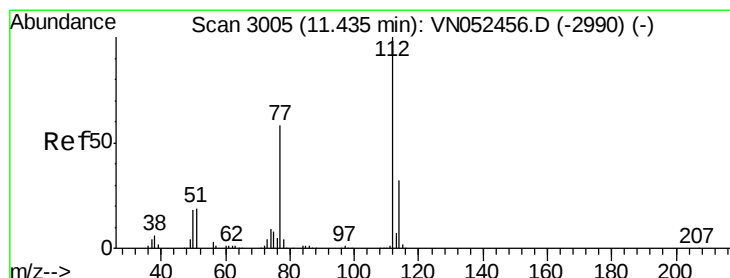
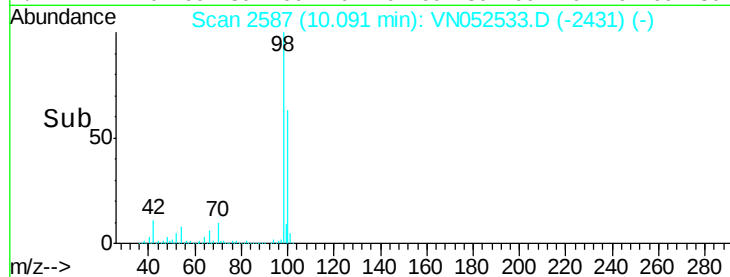
10.00

10.09

10.10

10.20

Time-->



#64

Chlorobenzene

Concen: 19.582 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052533.D

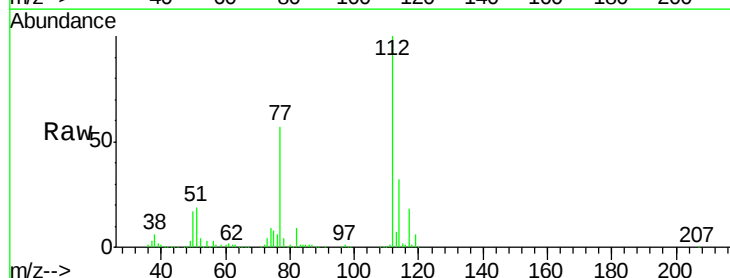
Acq: 28 Nov 2018 21:41

Tgt Ion: 112 Resp: 632986

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)

400000

300000

200000

100000

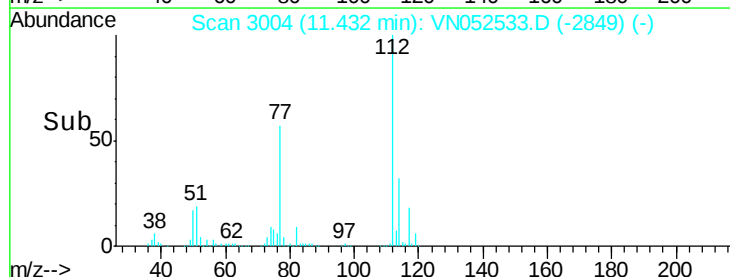
0

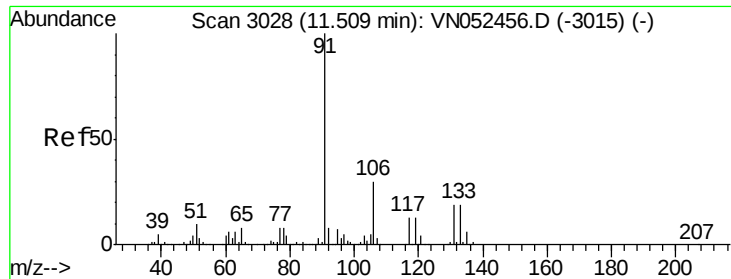
11.40

11.43

11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.617 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

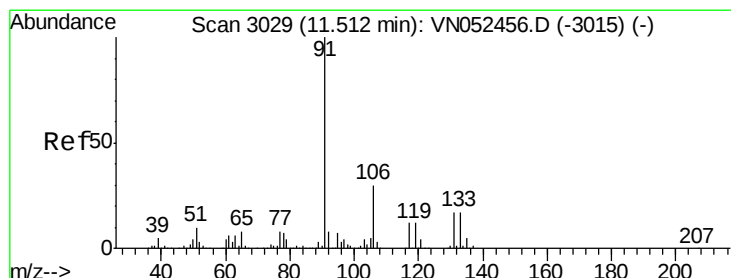
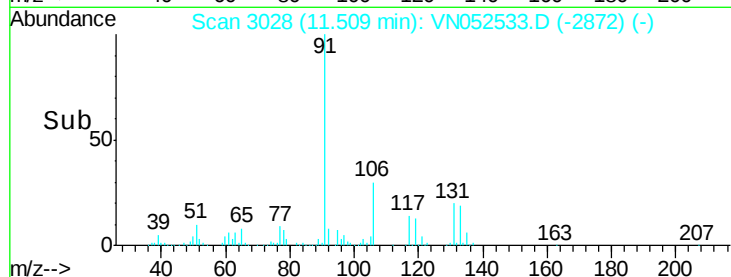
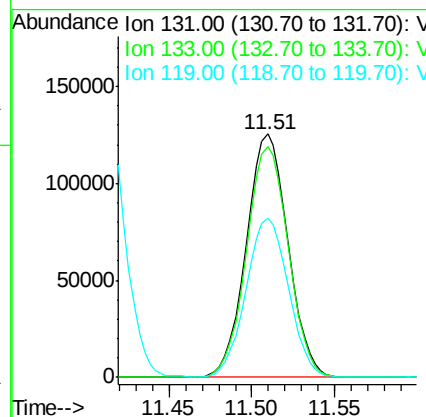
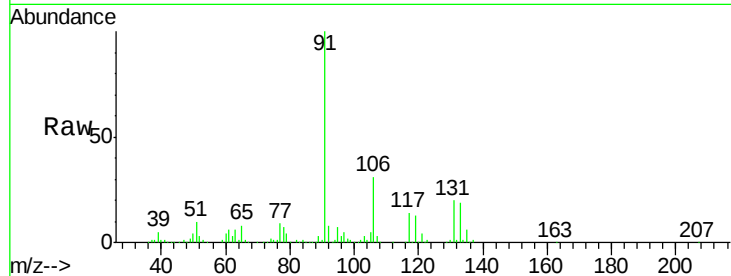
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	220102		
133	95.3	0.0	193.4	
119	66.6	0.0	133.0	

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#66

Ethyl Benzene

Concen: 19.308 ug/l

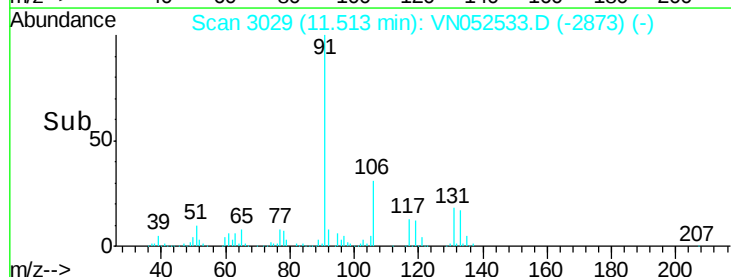
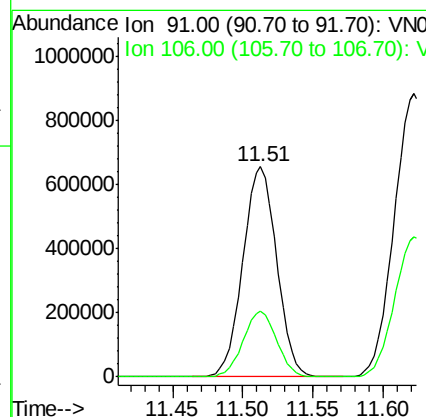
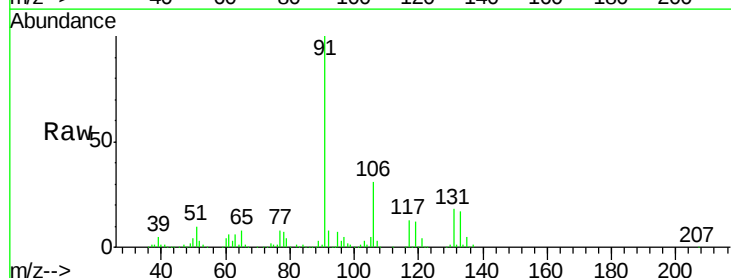
RT: 11.51 min Scan# 3029

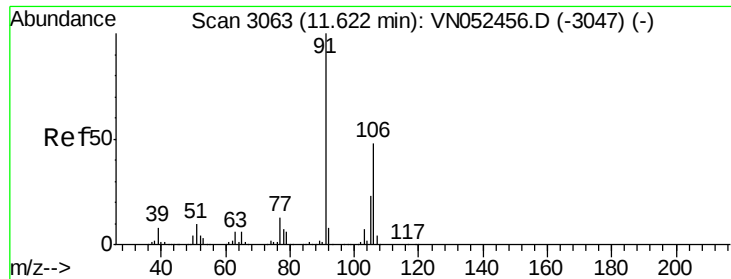
Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1102060		
106	31.2	24.3	36.5	





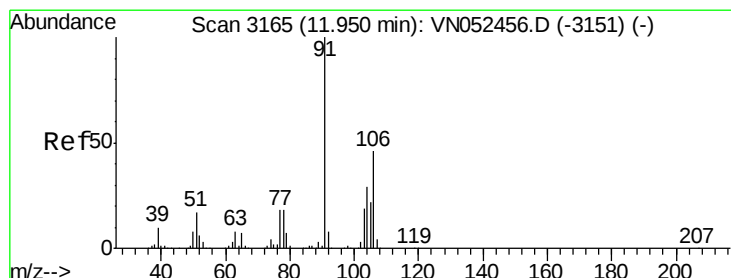
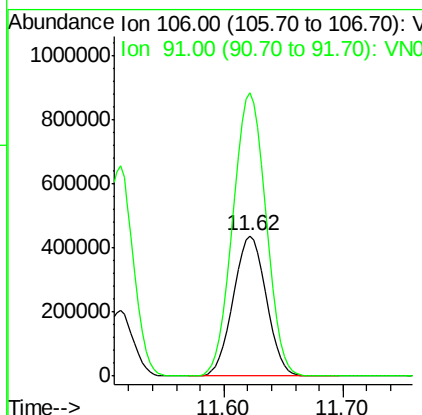
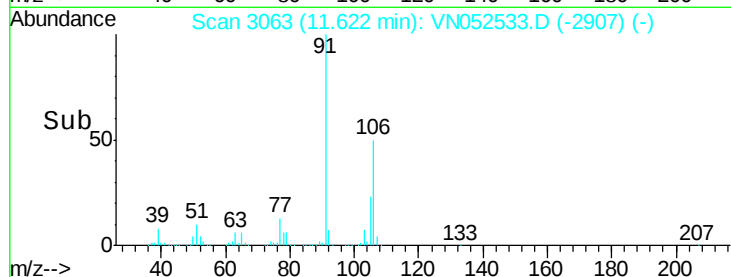
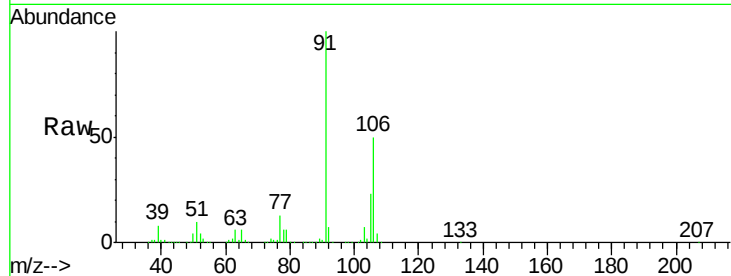
#67
m/p-Xvlenes
Concen: 39.473 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.7	163.9	245.9	

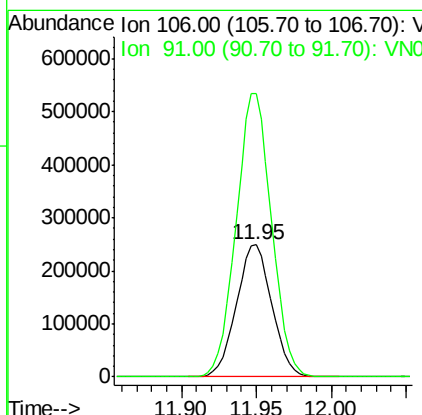
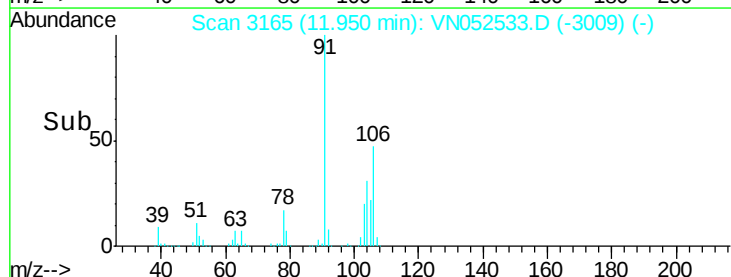
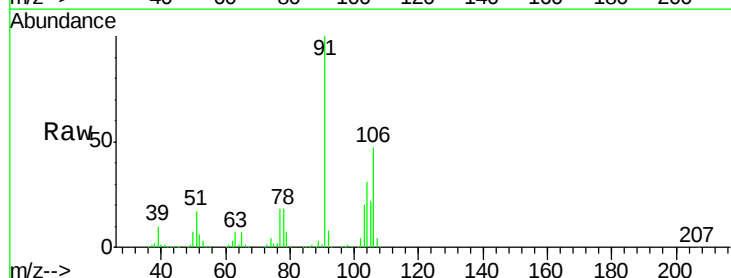
Manual Integrations
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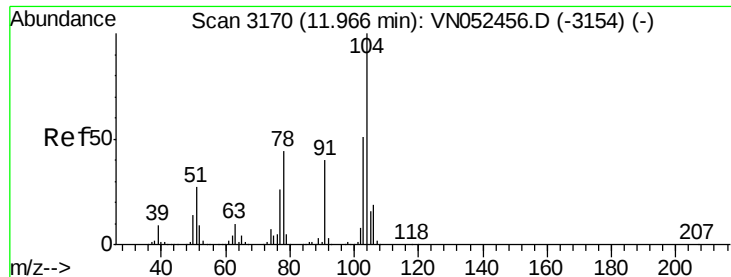
MMDadoda
11/29/2018 9:32:56 AM



#68
o-Xylene
Concen: 19.868 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.7	107.8	323.4	





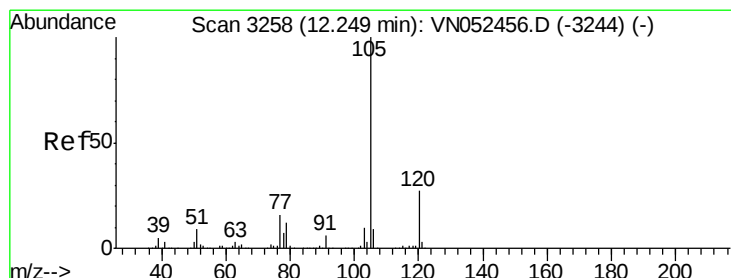
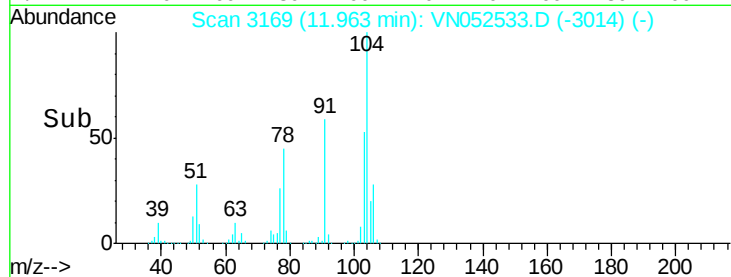
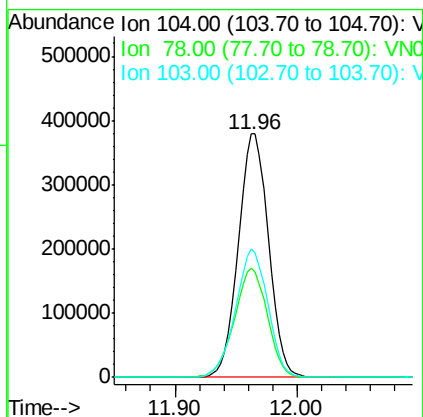
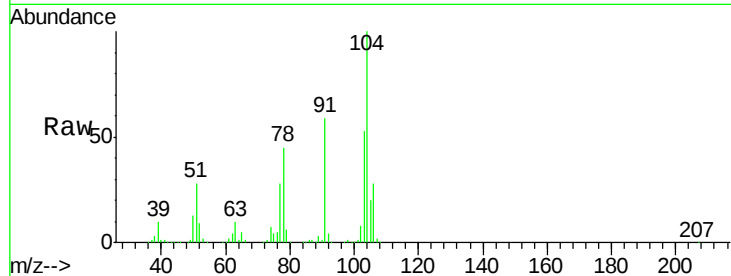
#69
Stvrene
Concen: 19.424 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.3	58.9
103	56.3	44.6	66.8

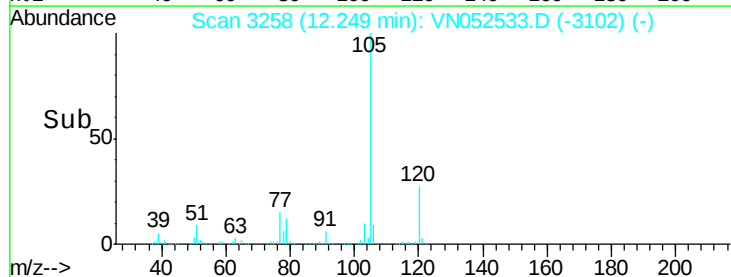
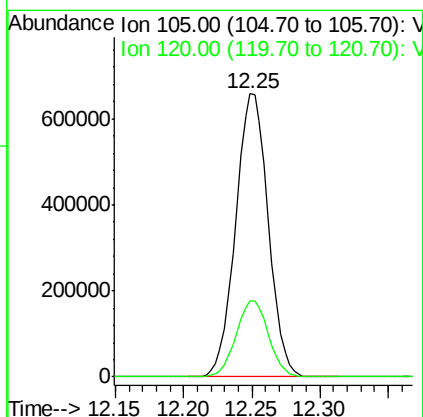
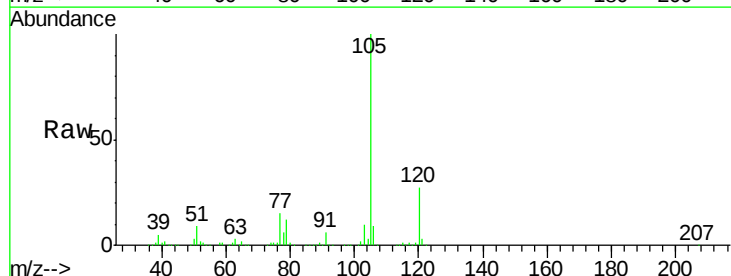
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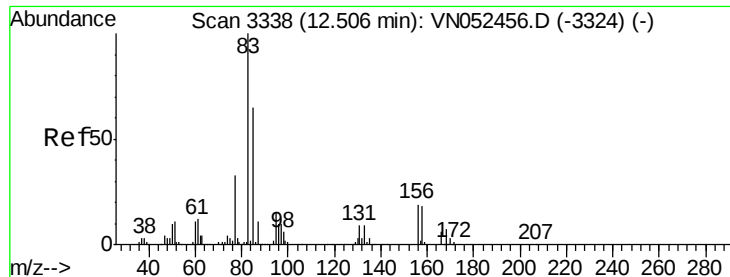
MMDadoda
11/29/2018 9:32:56 AM



#70
Isopropylbenzene
Concen: 19.797 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.6	34.6





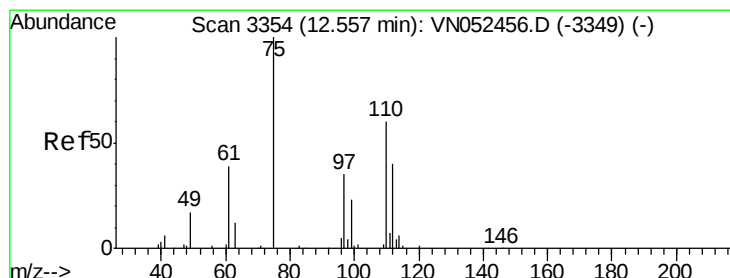
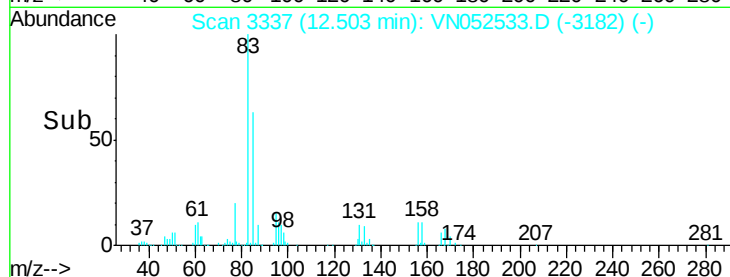
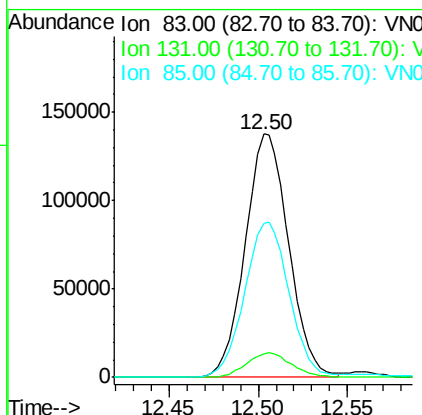
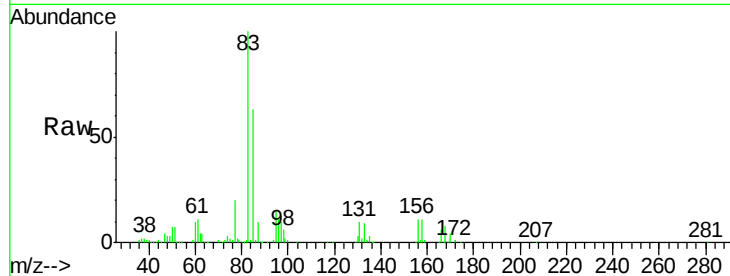
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.652 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	234759
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	4.9	14.6
85	64.9	32.2	96.6

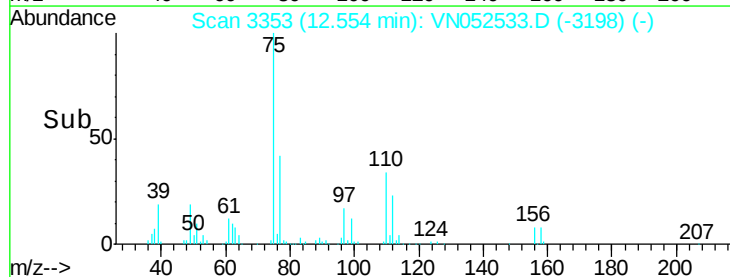
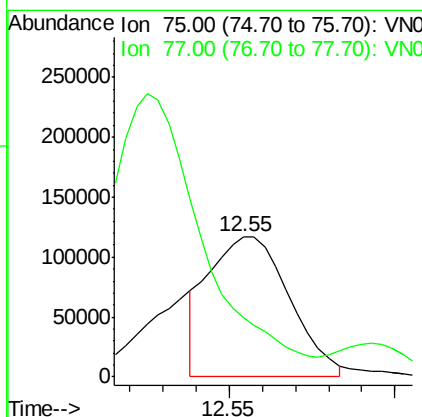
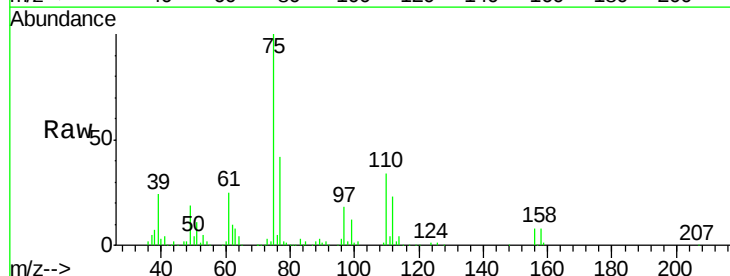
Manual Integrations
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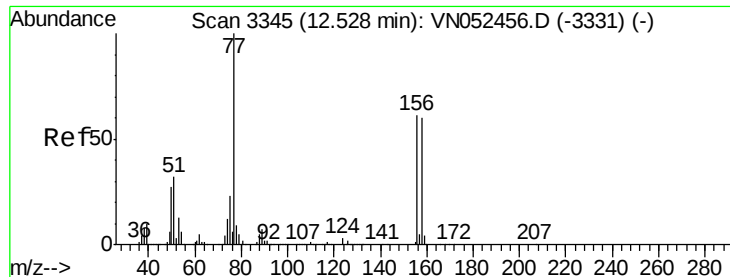
MMDadoda
 11/29/2018 9:32:56 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.258 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	75	Resp	197474
Ion Ratio	100	Lower	Upper
75	100		
77	241.2	0.0	514.8





#73

Bromobenzene

Concen: 19.825 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

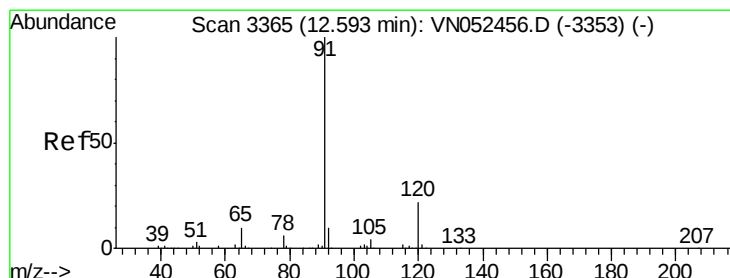
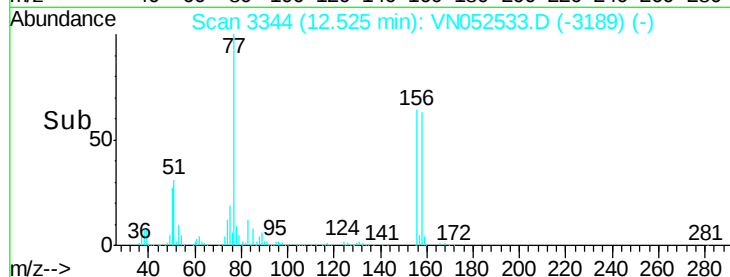
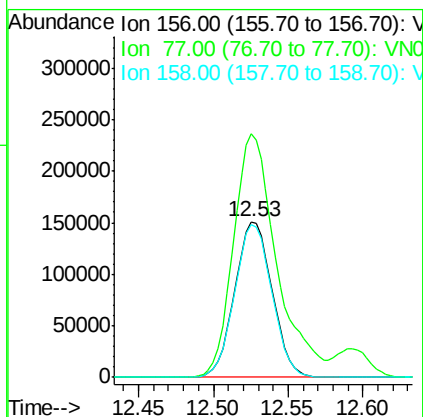
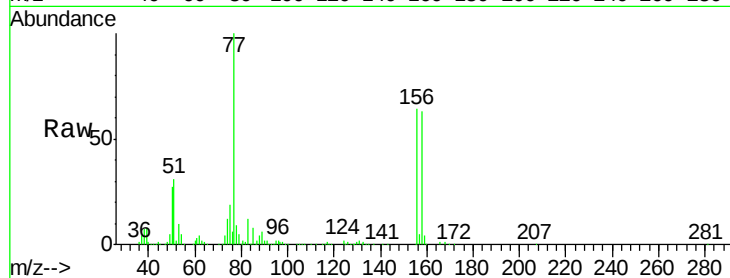
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	263306
Ion Ratio	Lower	Upper	
156	100		
77	180.9	0.0	382.6
158	97.7	0.0	196.8

Manual Integrations
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11/29/2018 9:32:56 AM



#74

n-propylbenzene

Concen: 18.872 ug/l

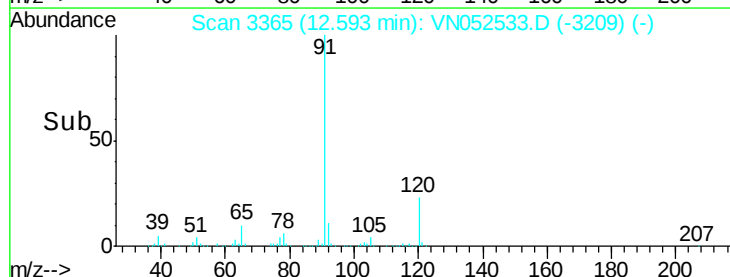
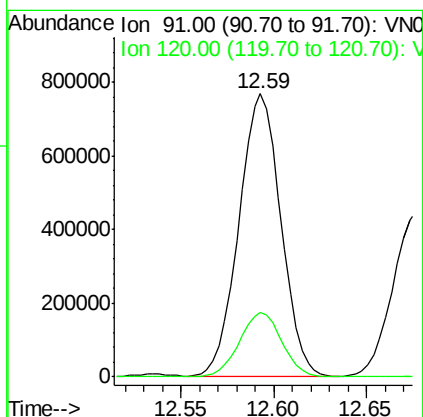
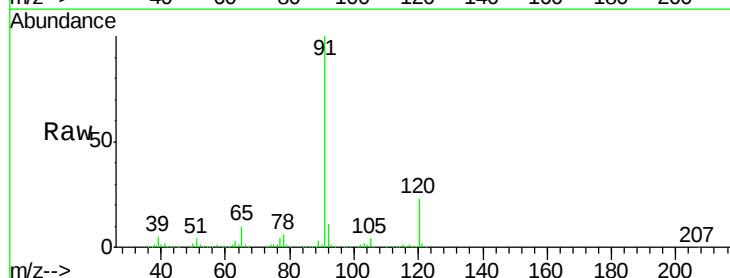
RT: 12.59 min Scan# 3365

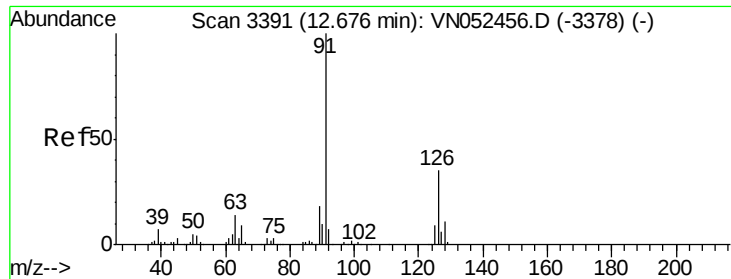
Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Tgt Ion:	91	Resp:	1207489
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.419 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 721197

Ion Ratio Lower Upper

91 100

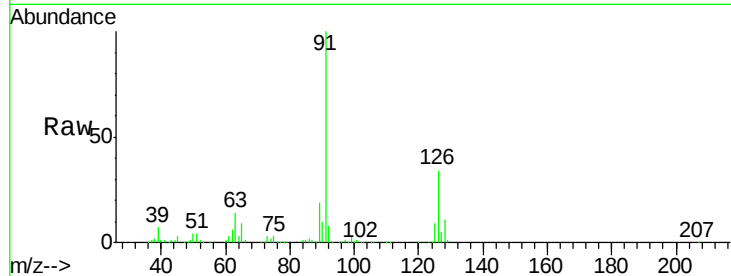
126 34.6 0.0 68.4

Manual Integrations

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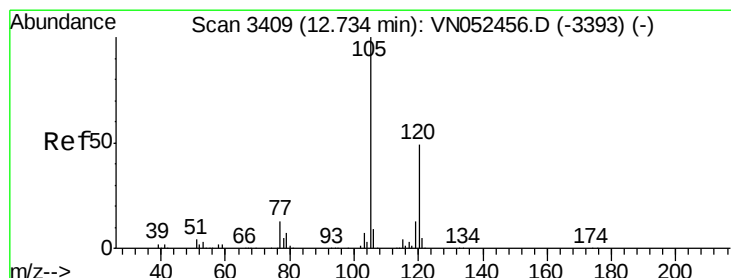
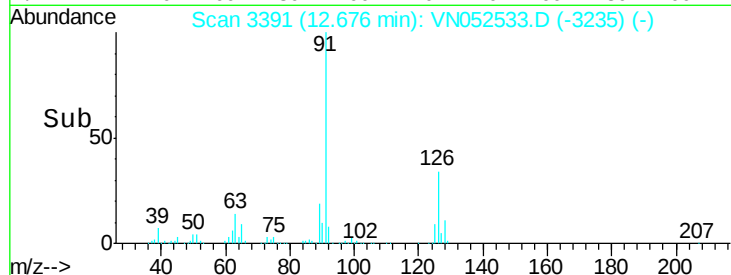
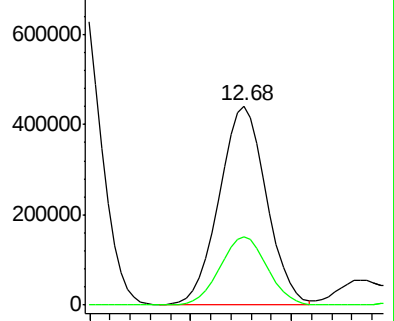
MMDadoda

11/29/2018 9:32:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.600 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052533.D

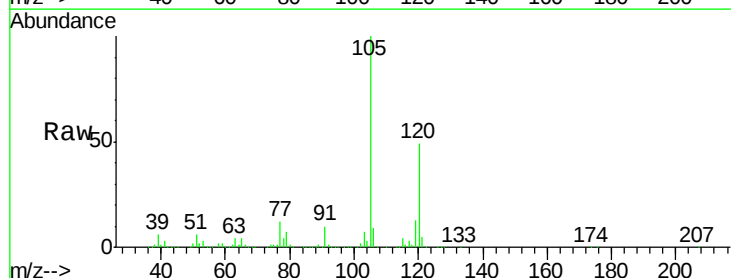
Acq: 28 Nov 2018 21:41

Tgt Ion: 105 Resp: 869355

Ion Ratio Lower Upper

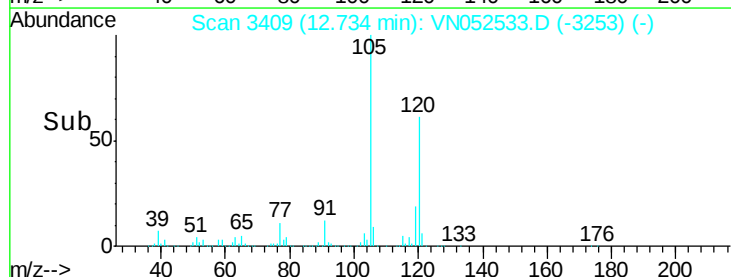
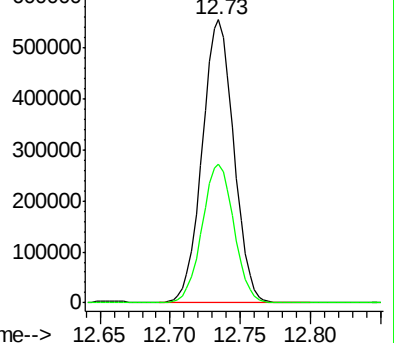
105 100

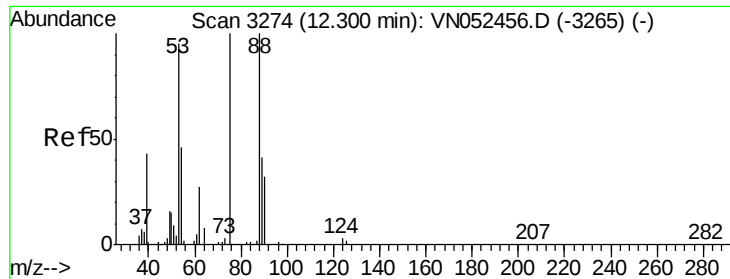
120 49.5 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)





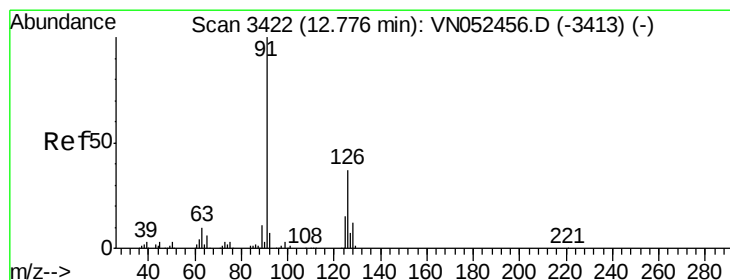
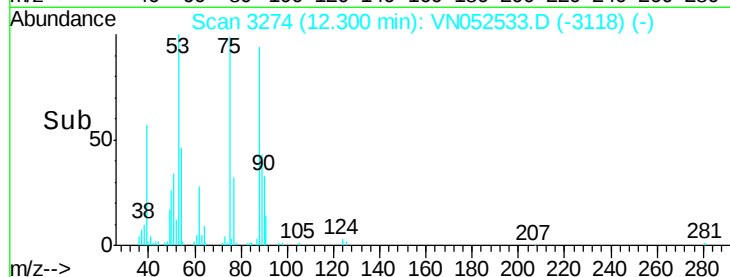
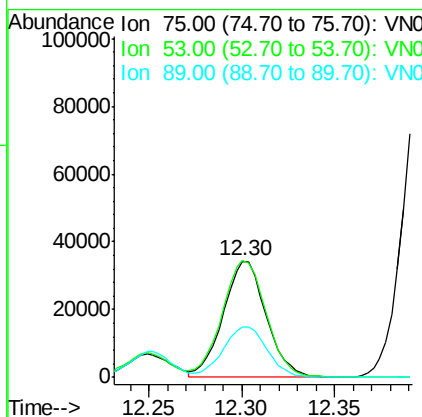
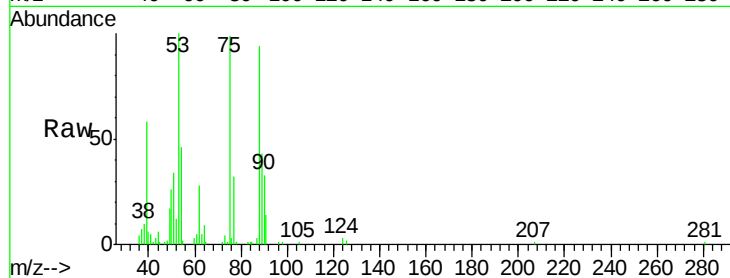
#77
 t-1,4-Dichloro-2-butene
 Concen: 17.028 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.7	48.5	145.6
89	43.3	21.7	65.1

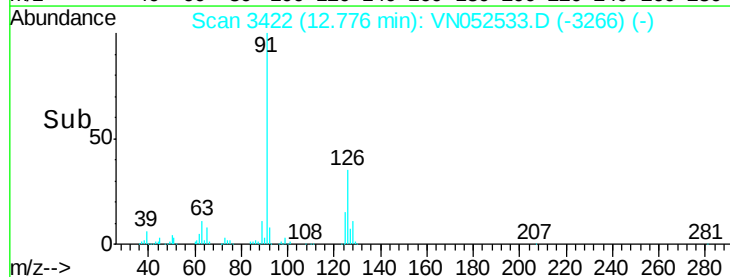
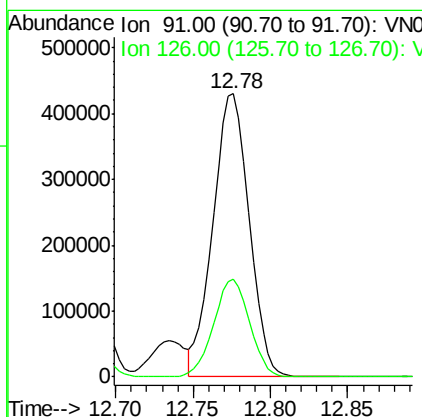
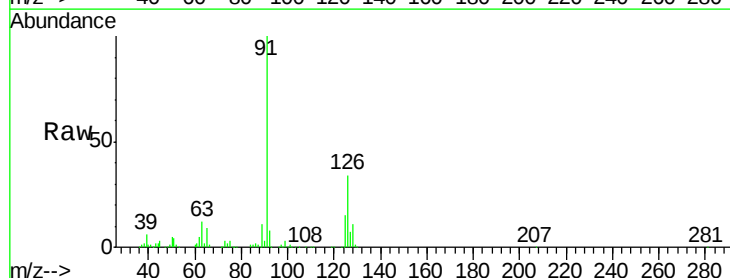
Manual Integrations
 APPROVED

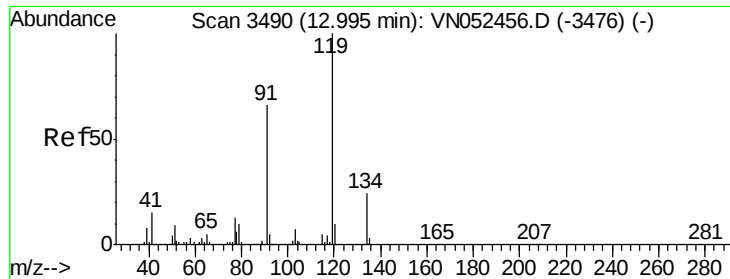
MMDadoda
 11/29/2018 9:32:56 AM



#78
 4-Chlorotoluene
 Concen: 18.870 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	68.2





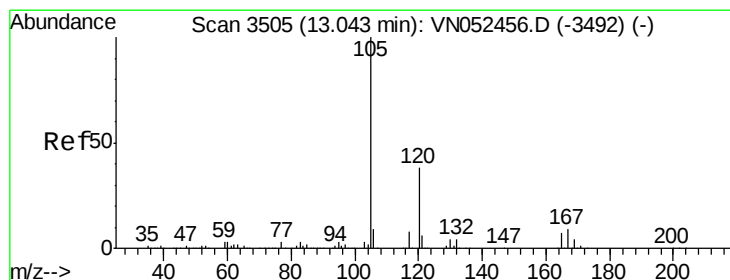
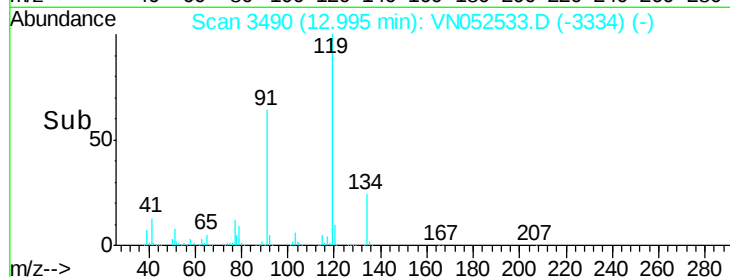
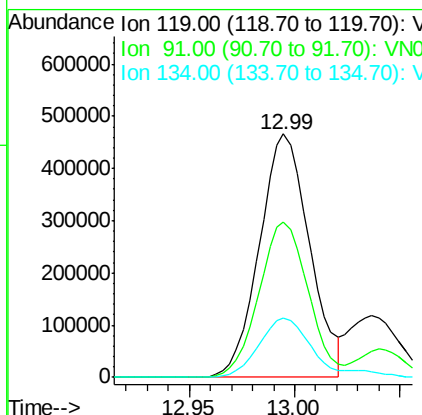
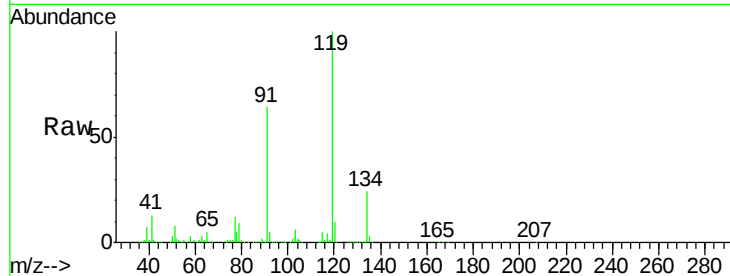
#79
 tert-butylbenzene
 Concen: 19.946 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	0.0	129.8
134	24.6	0.0	52.2

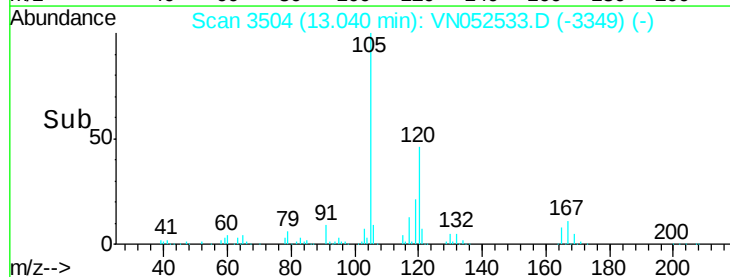
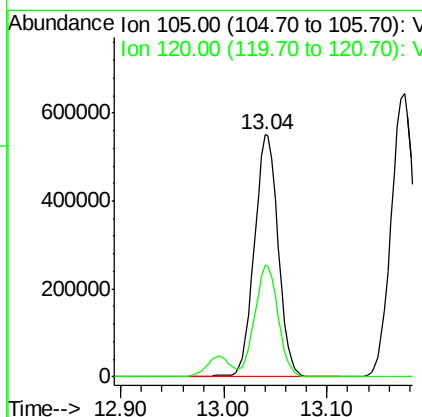
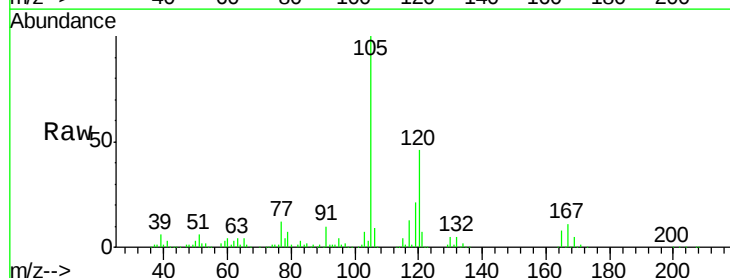
Manual Integrations
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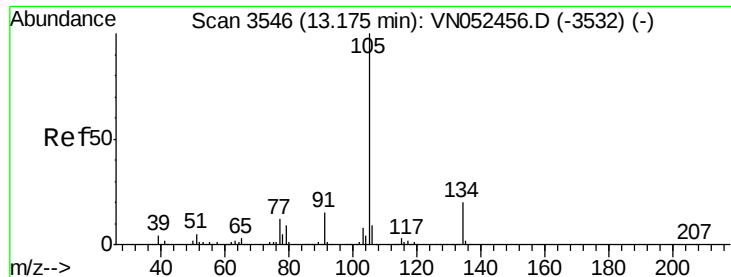
MMDadoda
 11/29/2018 9:32:56 AM



#80
 1,2,4-Trimethylbenzene
 Concen: 19.767 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	0.0	91.0





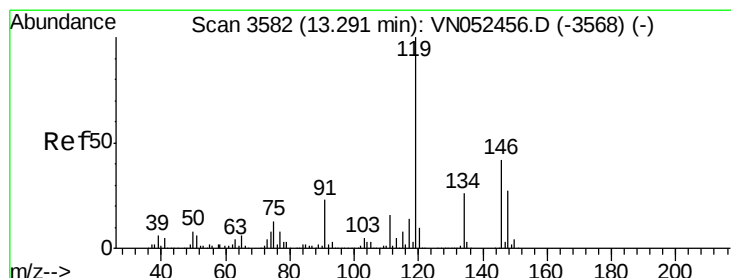
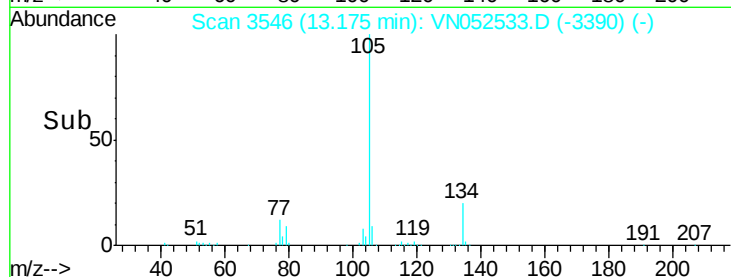
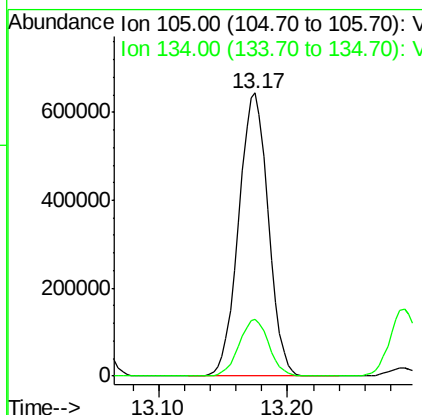
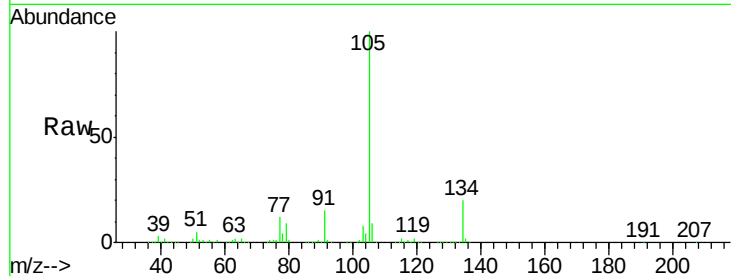
#81
 sec-Butylbenzene
 Concen: 19.069 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:105 Resp: 1025966
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 40.4

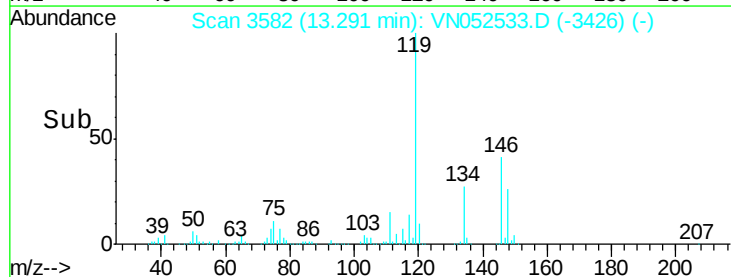
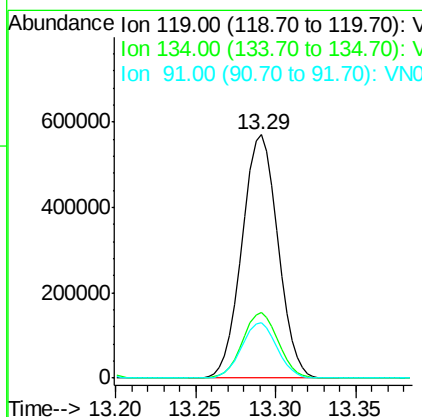
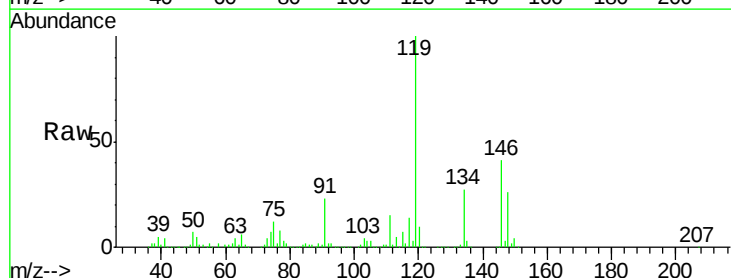
Manual Integrations
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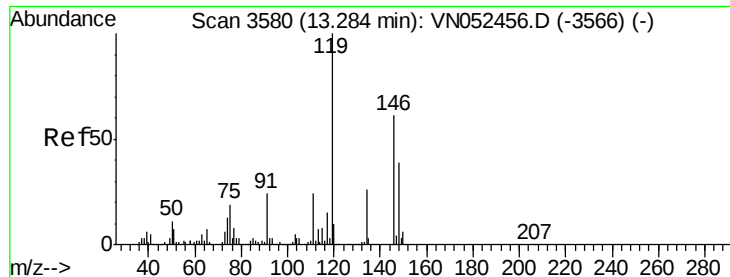
MMDadoda
 11/29/2018 9:32:56 AM



#82
 p-Isopropyltoluene
 Concen: 19.023 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion:119 Resp: 871512
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.6
 91 22.4 0.0 46.2





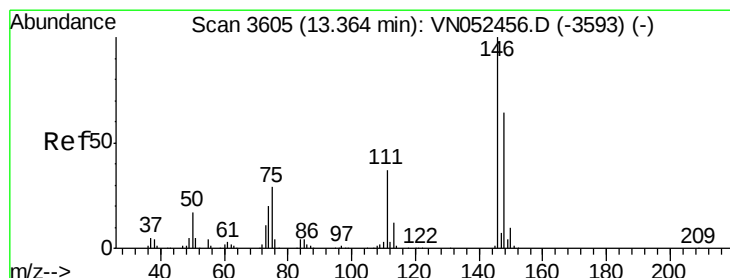
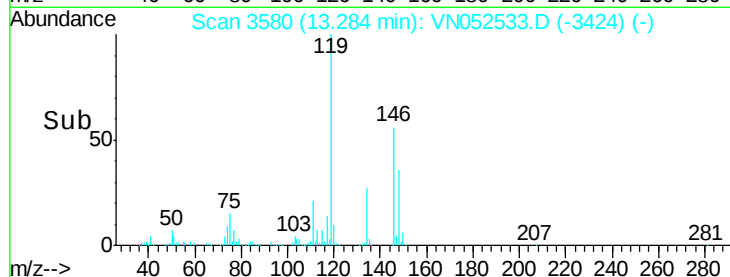
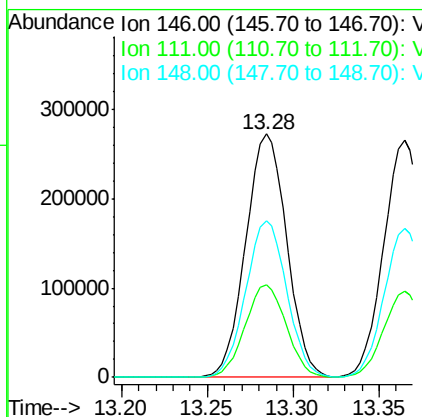
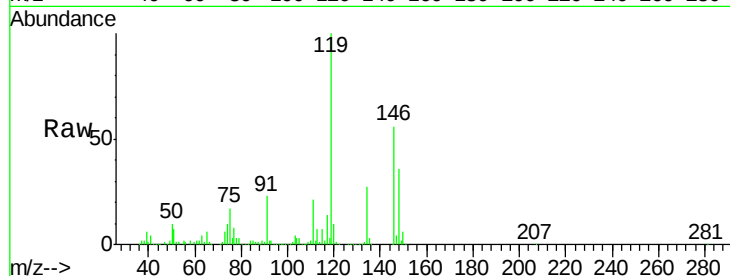
#83
 1,3-Dichlorobenzene
 Concen: 19.331 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	64.1	32.3	96.8

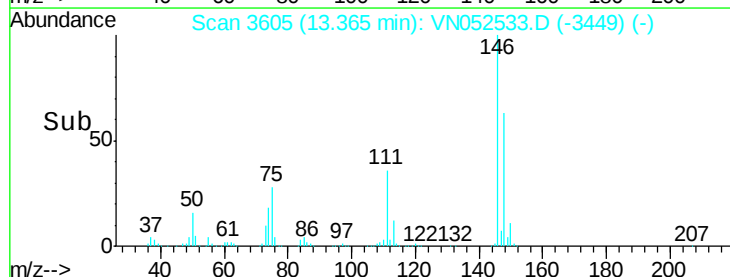
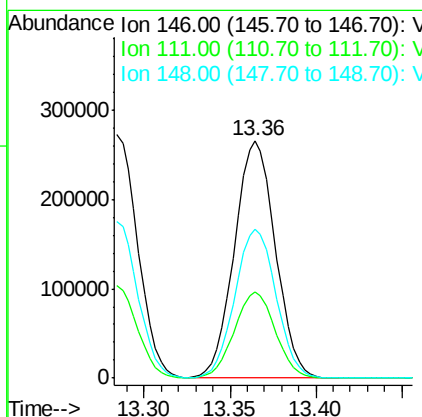
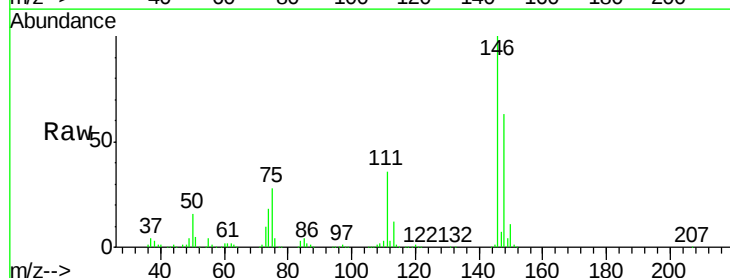
Manual Integrations
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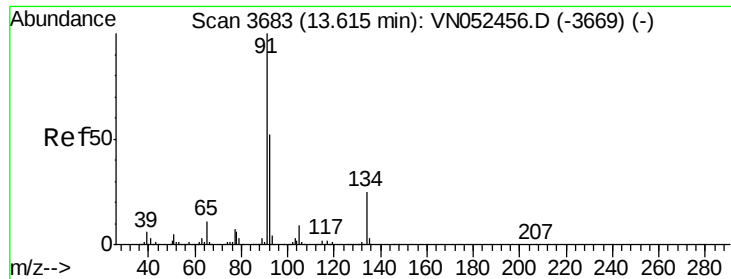
MMDadoda
 11/29/2018 9:32:56 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.404 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.3
148	63.5	32.5	97.4





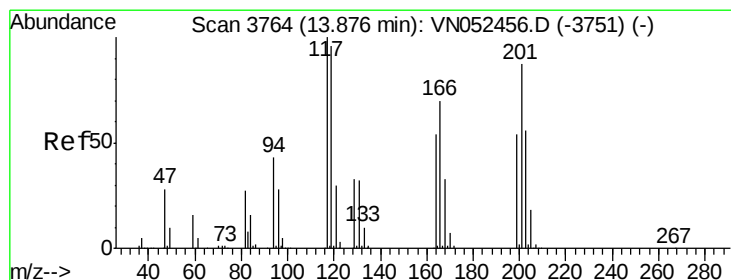
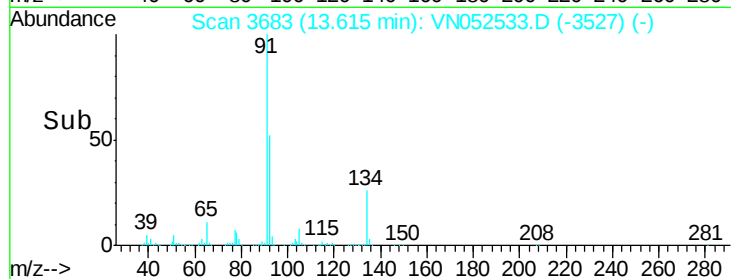
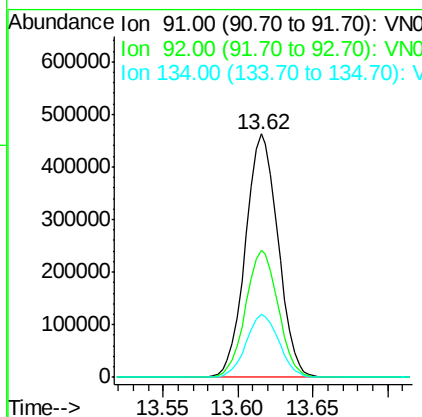
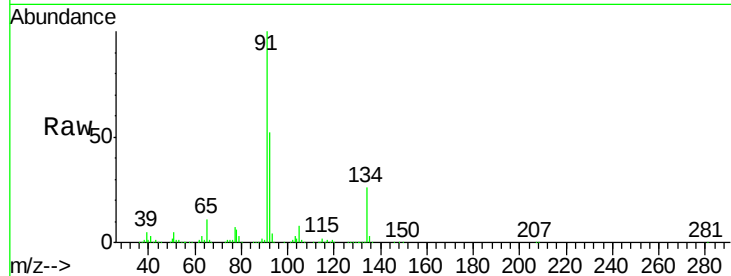
#85
n-Butylbenzene
Concen: 17.833 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	701785		
92	52.1		0.0	104.2
134	26.1		0.0	50.6

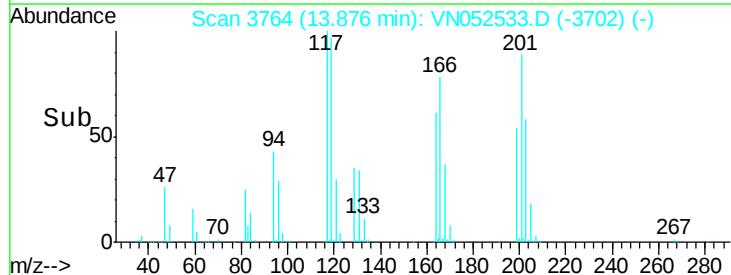
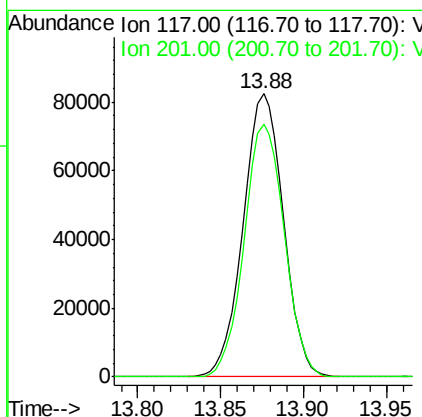
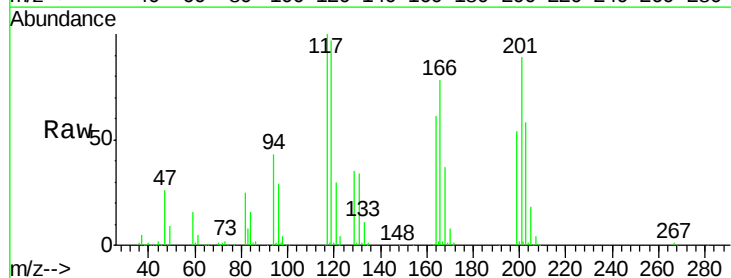
Manual Integrations
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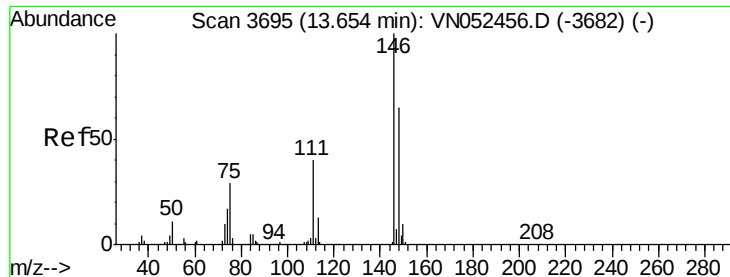
MMDadoda
11/29/2018 9:32:56 AM



#86
Hexachloroethane
Concen: 17.985 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	139610		
201	89.3		43.8	131.3





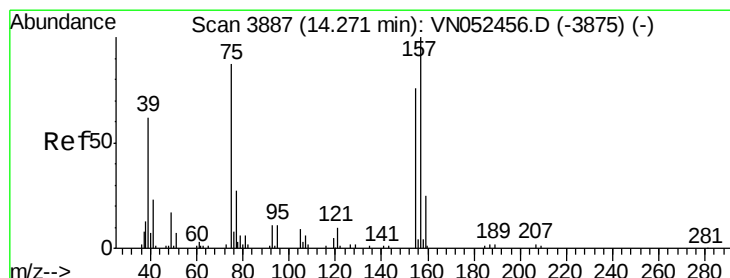
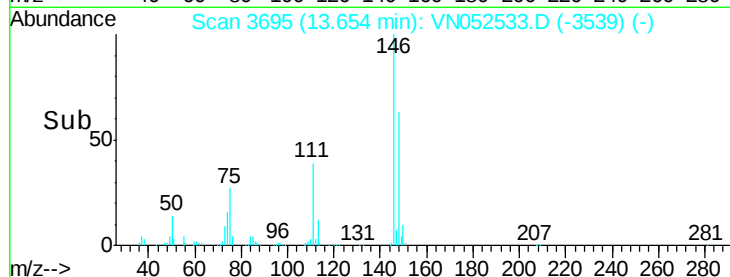
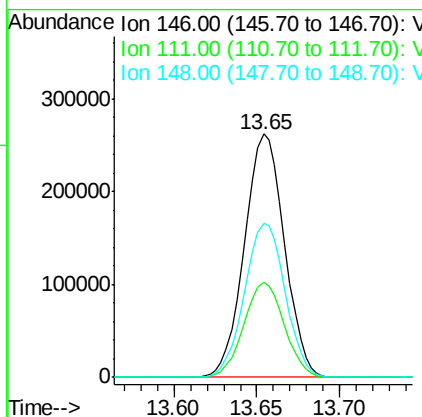
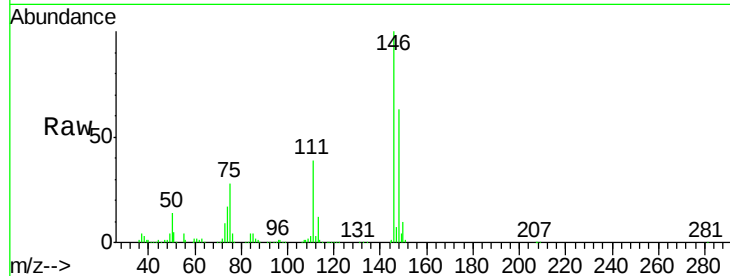
#87
 1,2-Dichlorobenzene
 Concen: 19.753 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	439077		
111	39.5	20.3	60.8	
148	64.5	32.1	96.5	

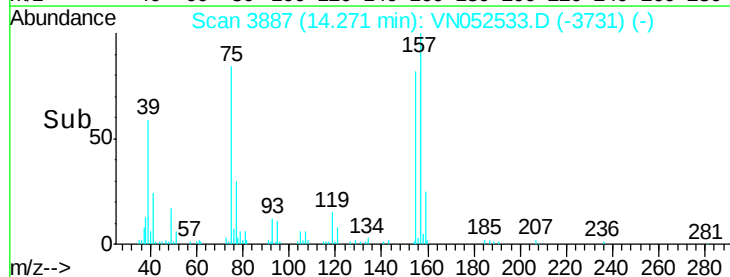
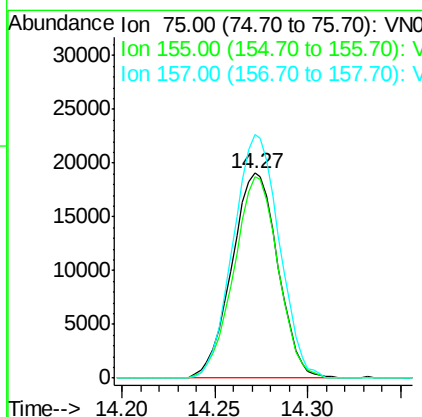
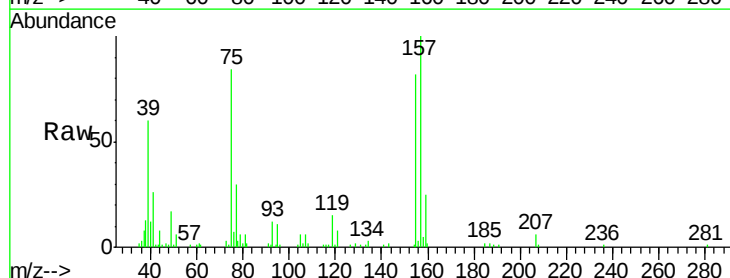
Manual Integrations
 APPROVED

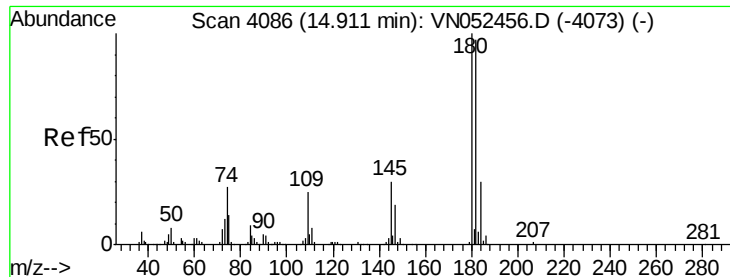
MMDadoda
 11/29/2018 9:32:56 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.626 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32839		
155	94.3	72.2	108.2	
157	118.7	94.2	141.2	





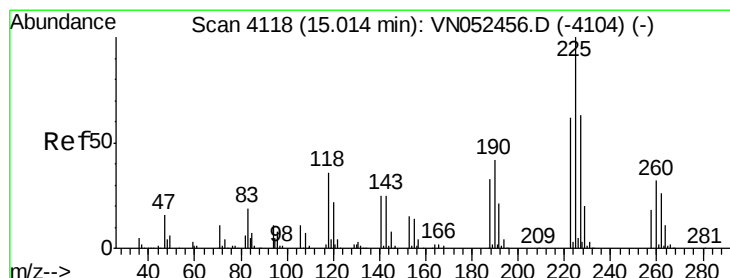
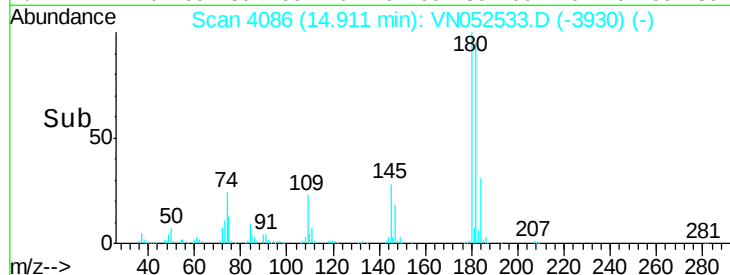
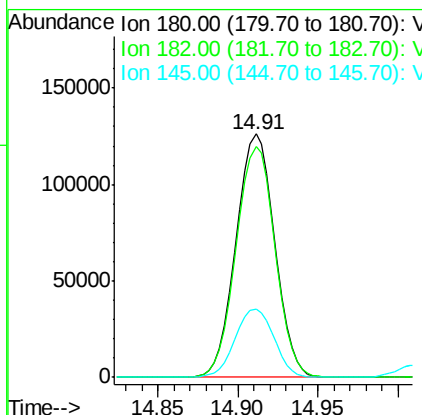
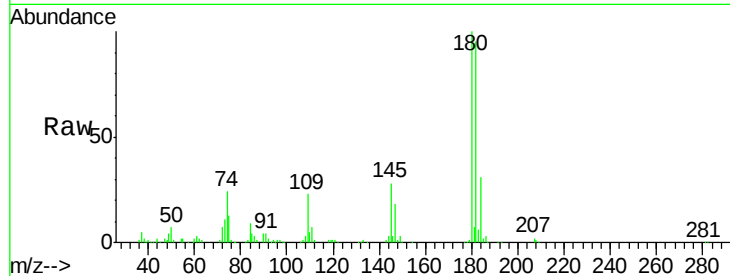
#89
1,2,4-Trichlorobenzene
Concen: 18.945 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	207475		
182	95.6	76.6	114.8	
145	28.4	23.6	35.4	

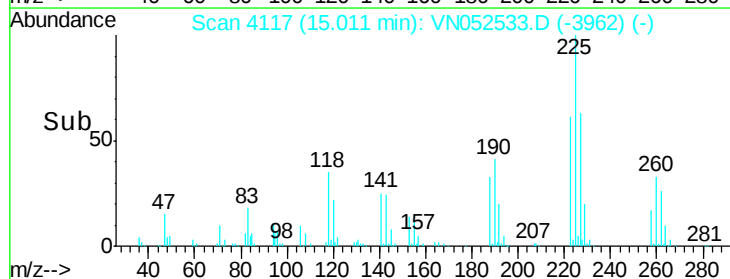
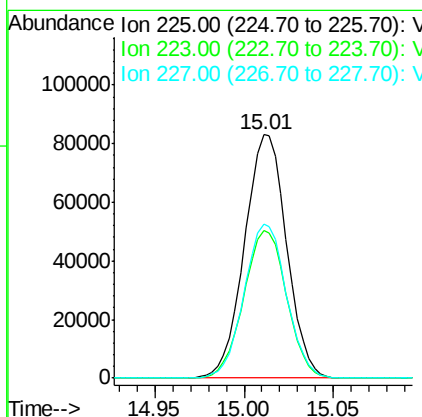
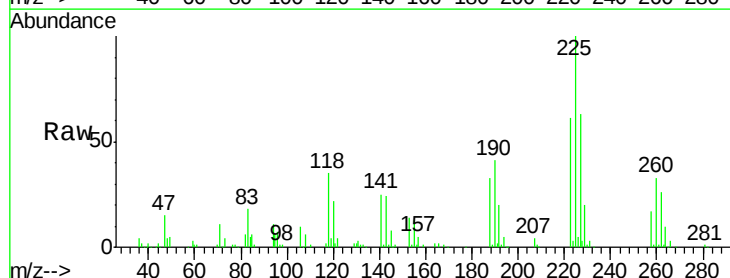
Manual Integrations
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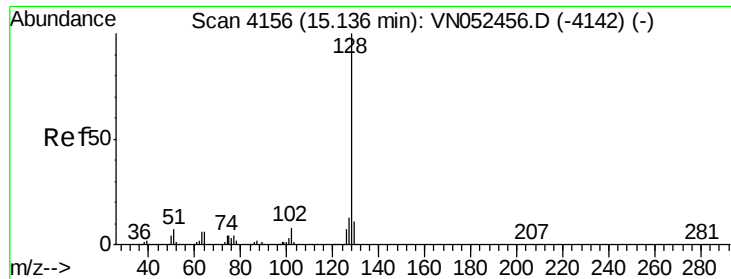
MMDadoda
11/29/2018 9:32:56 AM



#90
Hexachlorobutadiene
Concen: 19.084 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137103		
223	61.5	0.0	125.6	
227	63.5	0.0	127.8	





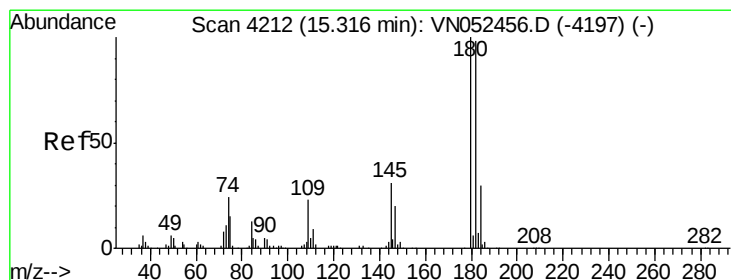
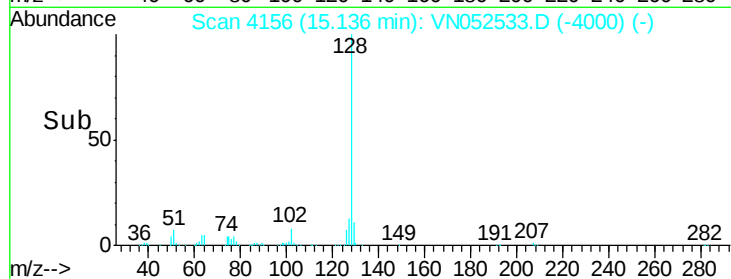
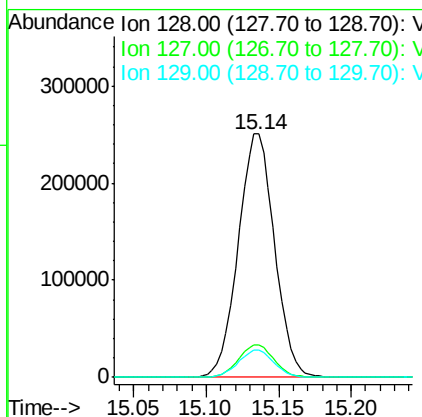
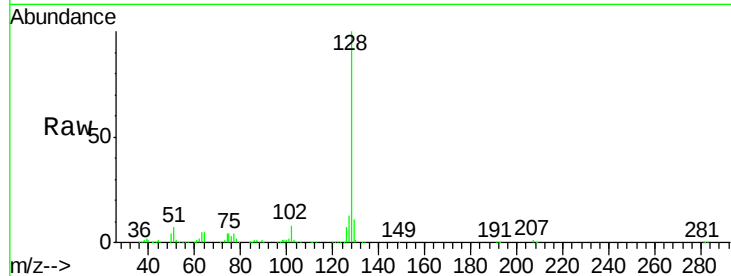
#91
Naphthalene
Concen: 19.692 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	435499		
127	13.0		9.9	14.9
129	10.9		8.5	12.7

Manual Integrations
APPROVED

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11/29/2018 9:32:56 AM



#92
1,2,3-Trichlorobenzene
Concen: 19.354 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	195327		
182	94.9		0.0	196.2
145	30.4		0.0	62.2

