

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055885.D
 Acq On : 29 May 2019 18:18
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:35:29 AM

Quant Time: May 30 09:19:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53399	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	281345	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	250801	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	105963	30.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.20%
60) 4-Bromofluorobenzene	12.40	95	110580	28.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.47%
63) Toluene-d8	10.09	98	350556	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	43658	18.647	ug/l 100
3) Chloromethane	2.06	50	60290	18.104	ug/l 99
4) Vinyl Chloride	2.19	62	65462	19.260	ug/l 99
5) Bromomethane	2.54	94	43430	21.824	ug/l 100
6) Chloroethane	2.69	64	41511	20.906	ug/l 95
7) Trichlorofluoromethane	3.01	101	87005	20.404	ug/l 98
8) Diethyl Ether	3.40	74	39483	21.063	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53891	20.002	ug/l 98
10) 1,1-Dichloroethene	3.72	96	54176	19.221	ug/l 98
11) Methyl Iodide	3.94	142	78058	19.413	ug/l 99
12) Methyl Acetate	4.33	43	67455	19.568	ug/l 99
13) Acrolein	3.60	56	39343	82.139	ug/l 97
14) Acrylonitrile	4.99	53	155821	99.147	ug/l 100
15) Acetone	3.82	58	47787	97.906	ug/l 96
16) Carbon Disulfide	4.04	76	133160	16.478	ug/l 100
17) Allyl chloride	4.31	41	92144	18.152	ug/l 95
18) Methylene Chloride	4.55	84	63965	19.815	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	59096	19.490	ug/l 96
20) Diisopropyl ether	5.96	45	188222	19.113	ug/l 96
21) 1,1-Dichloroethane	5.84	63	108296	19.458	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	70391	19.906	ug/l 96
23) tert-Butyl Alcohol	4.82	59	59620	86.379	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	189181	19.781	ug/l 99
25) Chloroform	7.37	83	110845	20.165	ug/l 100
26) Cyclohexane	7.65	56	97574	19.004	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	79695	20.234	ug/l 99
30) 2-Butanone	6.84	43	215074	102.451	ug/l 99
31) 2,2-Dichloropropane	6.82	77	82838	18.074	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	92033	19.714	ug/l 100
33) Carbon Tetrachloride	7.77	117	78484	18.794	ug/l 98
34) Benzene	8.04	78	252809	20.791	ug/l 100
35) Methacrylonitrile	7.17	41	36386	18.779	ug/l 96
36) 1,2-Dichloroethane	8.12	62	83263	20.954	ug/l 99
37) Trichloroethene	8.83	130	68168	20.093	ug/l 99
38) Methylcyclohexane	9.08	83	97878	19.615	ug/l 98
39) 1,2-Dichloropropane	9.12	63	66009	20.193	ug/l 96
40) Dibromomethane	9.21	93	43833	20.766	ug/l 94

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	81223	18.775	ug/l	98
42) Vinyl Acetate	5.90	43	799194	98.054	ug/l	100
43) Ethyl Acetate	6.93	43	85190	20.645	ug/l #	100
44) Isopropyl Acetate	8.17	43	135668	19.855	ug/l #	87
45) 1,4-Dioxane	9.20	88	26497	412.193	ug/l	97
46) Methyl methacrylate	9.20	41	61820	19.391	ug/l	98
47) n-amyl Acetate	12.07	43	104579	18.504	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	83303	17.444	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	97863	18.723	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	64895	21.118	ug/l	99
51) Ethyl methacrylate	10.43	69	96917	19.567	ug/l	99
52) 1,3-Dichloropropane	10.71	76	105128	20.755	ug/l	98
53) Dibromochloromethane	10.90	129	64002	17.631	ug/l	99
54) 1,2-Dibromoethane	11.00	107	65660	20.649	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	168147	87.251	ug/l	100
56) Bromoform	12.13	173	45970	15.438	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	419649	101.074	ug/l	99
59) 2-Hexanone	10.75	43	290149	97.751	ug/l	99
61) Tetrachloroethene	10.63	164	69288	20.408	ug/l	95
62) Toluene	10.16	91	276898	20.531	ug/l	100
64) Chlorobenzene	11.43	112	165782	20.264	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	61226	18.574	ug/l	99
66) Ethyl Benzene	11.51	91	295595	20.060	ug/l	100
67) m/p-Xylenes	11.62	106	221822	39.626	ug/l	100
68) o-Xylene	11.95	106	110386	19.927	ug/l	99
69) Styrene	11.96	104	174995	19.148	ug/l	99
70) Isopropylbenzene	12.25	105	292130	20.155	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	89216	20.001	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	73714m	19.201	ug/l	
73) Bromobenzene	12.52	156	72632	18.942	ug/l	99
74) n-propylbenzene	12.59	91	304048	19.451	ug/l	100
75) 2-Chlorotoluene	12.67	91	188391	19.729	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	234149	19.544	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	21028	13.790	ug/l	86
78) 4-Chlorotoluene	12.77	91	171889	18.994	ug/l	100
79) tert-butylbenzene	12.99	119	208772	19.822	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	230430	19.375	ug/l	99
81) sec-Butylbenzene	13.17	105	267254	19.971	ug/l	99
82) p-Isopropyltoluene	13.29	119	232327	18.864	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	109659	18.244	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	100168	17.499	ug/l	98
85) n-Butylbenzene	13.61	91	170833	17.830	ug/l	99
86) Hexachloroethane	13.87	117	39303	16.225	ug/l	87
87) 1,2-Dichlorobenzene	13.65	146	113906	18.819	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14070	16.643	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	46283	14.166	ug/l	98
90) Hexachlorobutadiene	15.01	225	41685	17.100	ug/l	97
91) Naphthalene	15.13	128	136234	15.261	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	52578	15.398	ug/l	94

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QLast Update : Thu May 23 05:54:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

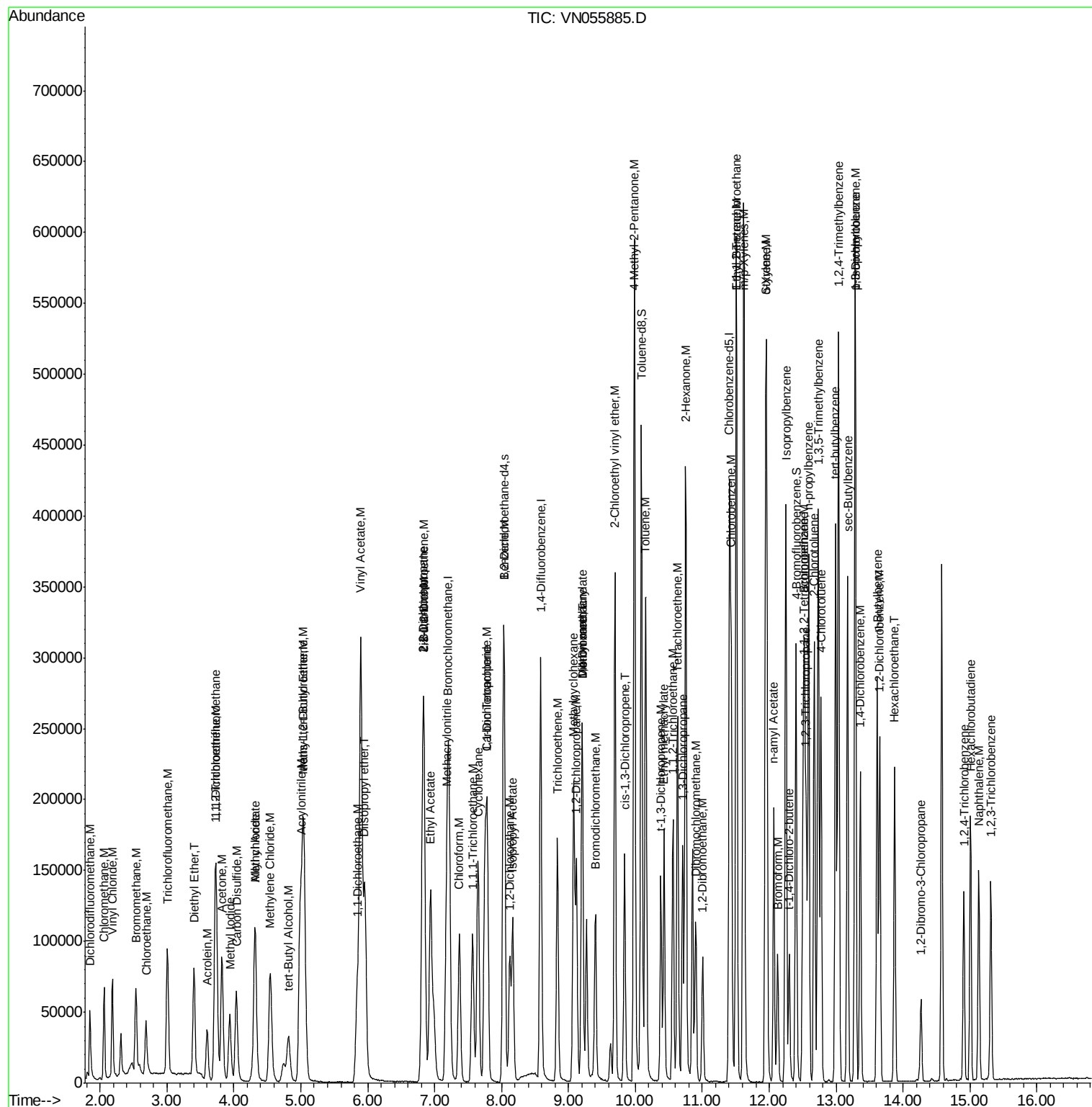
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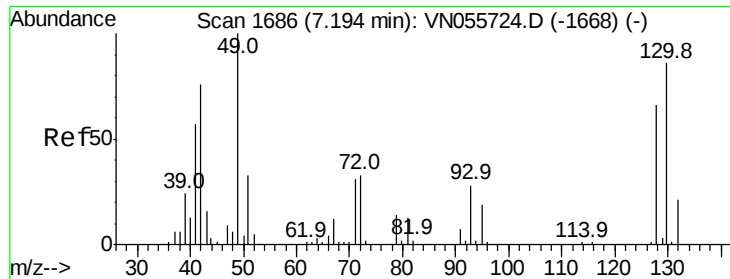
Instrument :
 MSVOA_N
 Client Sample ID :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 53399

Ion Ratio Lower Upper

128 100

49 148.0 0.0 383.2

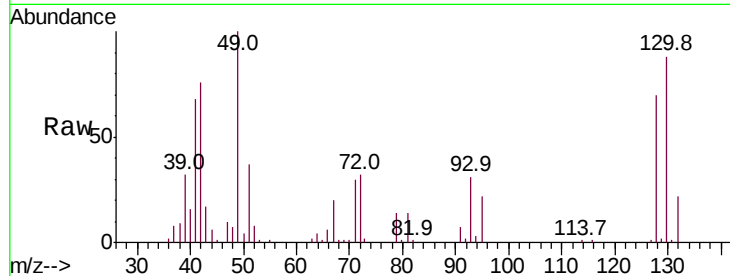
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Manual Integrations

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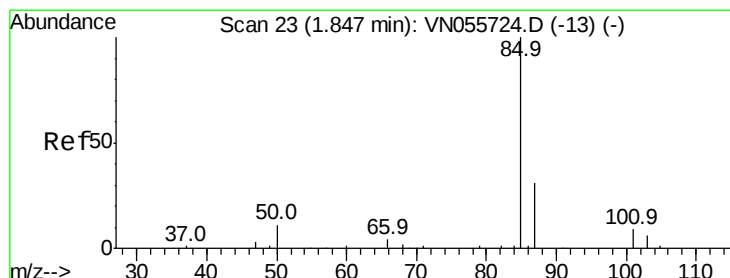
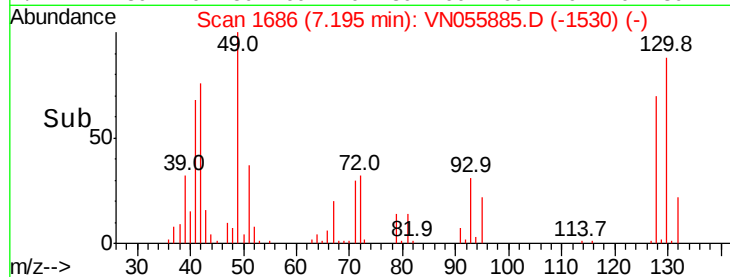
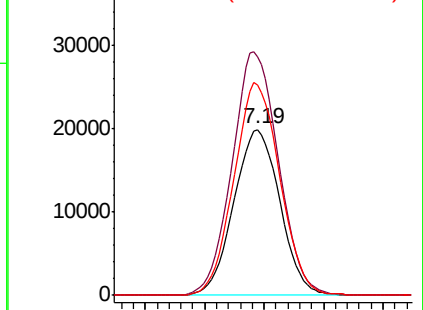
5/30/2019 9:35:29 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.647 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055885.D

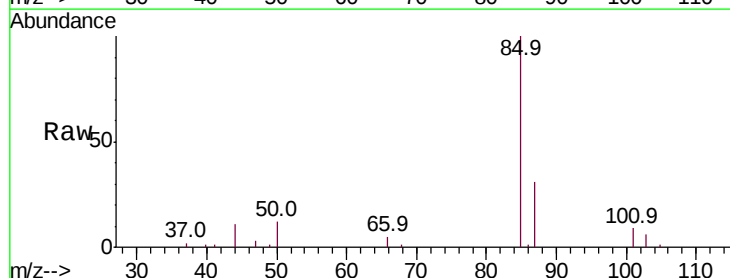
Acq: 29 May 2019 18:18

Tgt Ion: 85 Resp: 43658

Ion Ratio Lower Upper

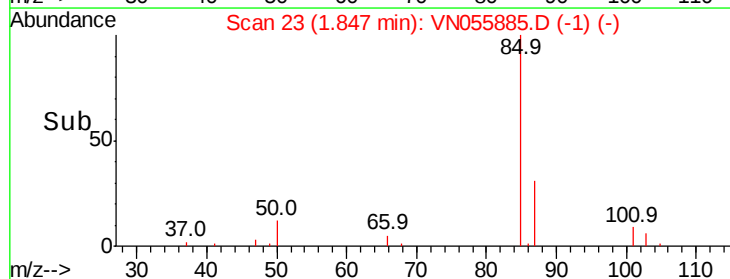
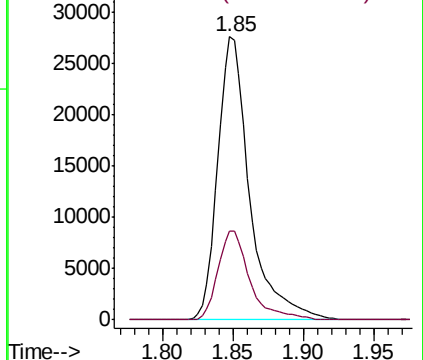
85 100

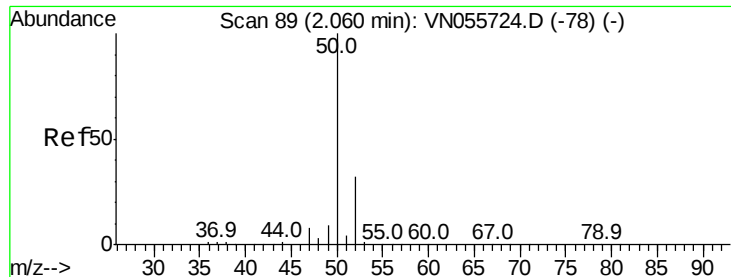
87 31.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.104 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 60290

Ion Ratio Lower Upper

50 100

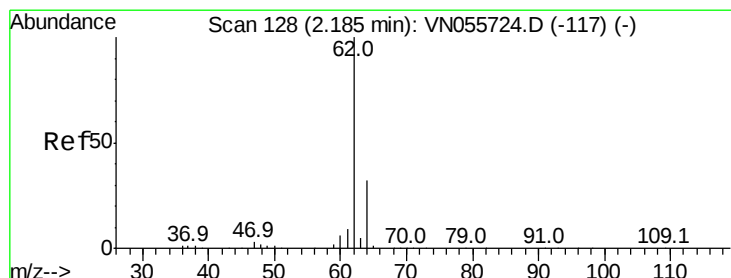
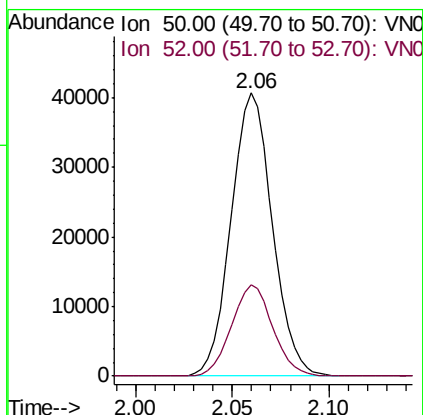
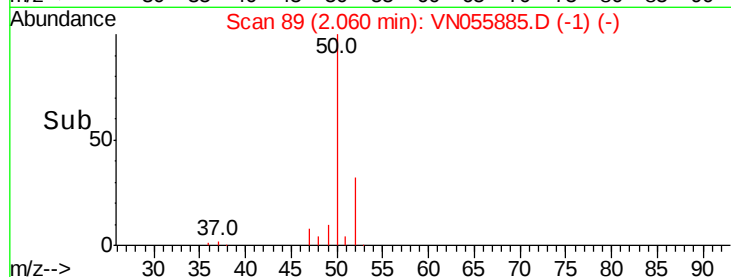
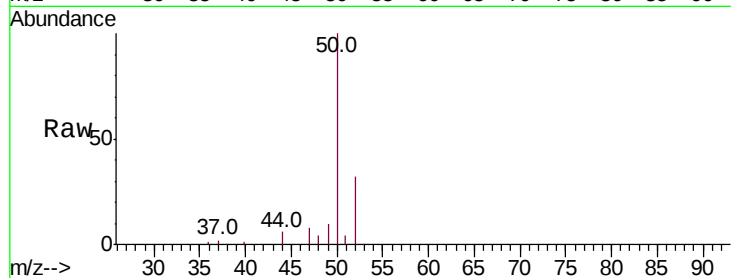
52 32.1 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.260 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055885.D

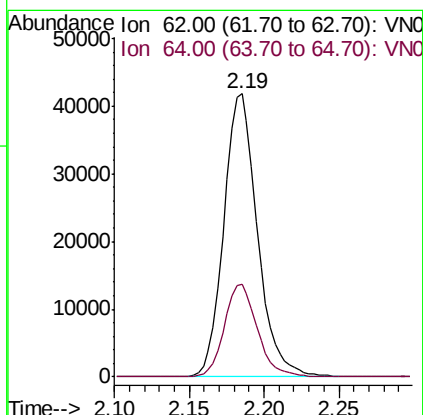
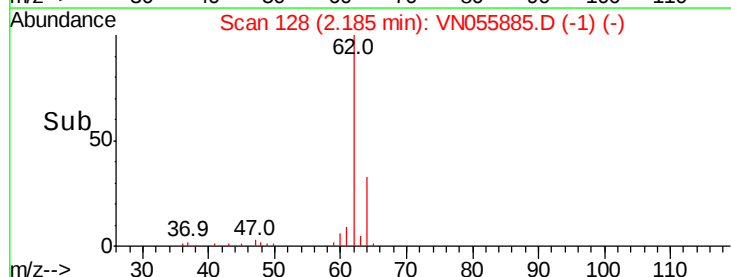
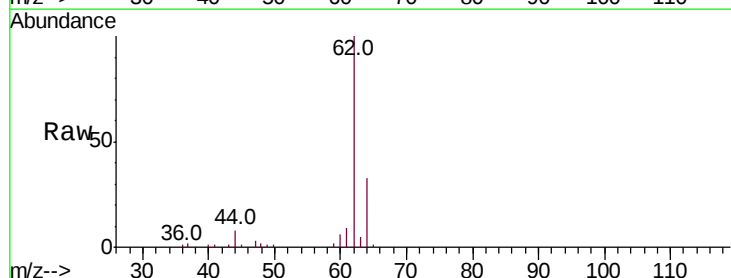
Acq: 29 May 2019 18:18

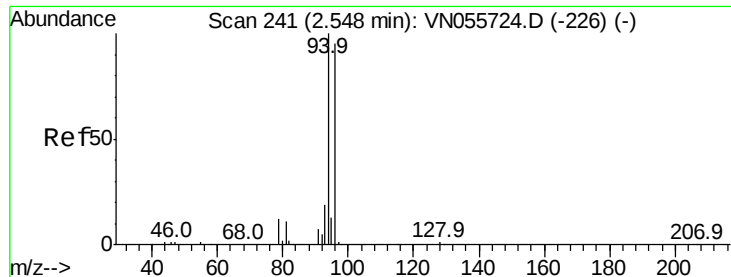
Tgt Ion: 62 Resp: 65462

Ion Ratio Lower Upper

62 100

64 32.8 25.7 38.5





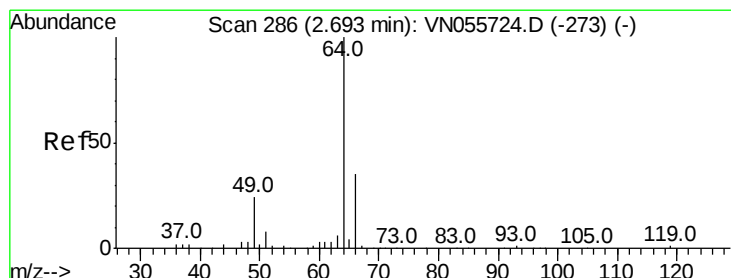
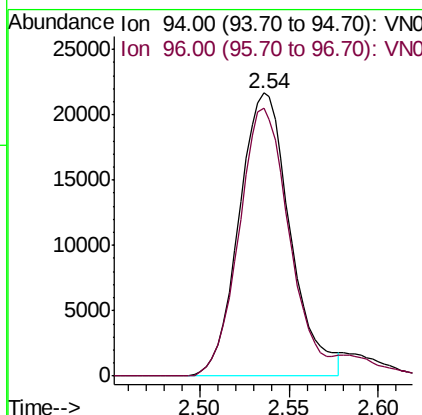
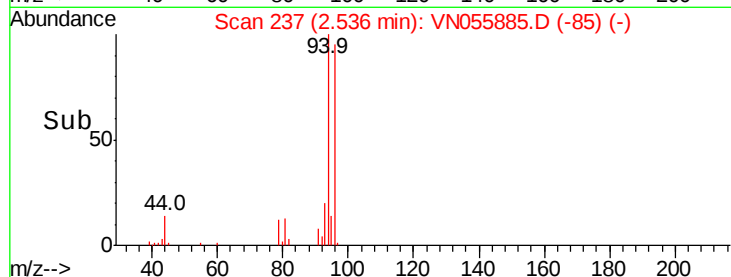
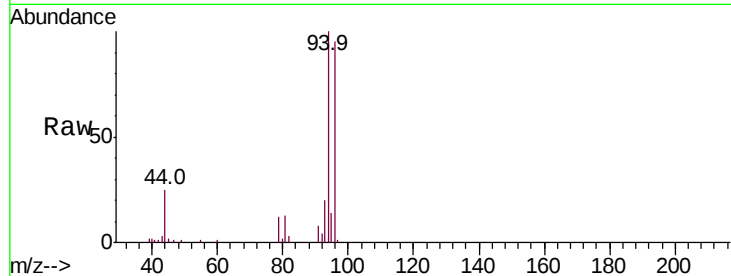
#5
Bromomethane
Concen: 21.824 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.01 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
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Tot Ion: 94 Resp: 43430
Ion Ratio Lower Upper
94 100
96 94.6 75.8 113.8

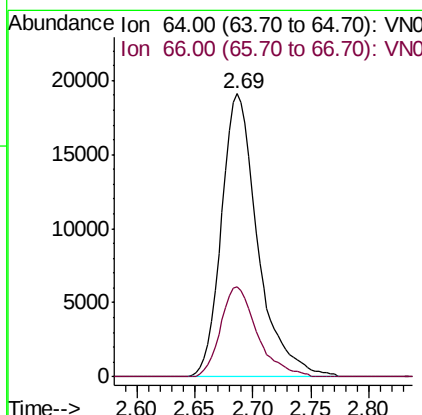
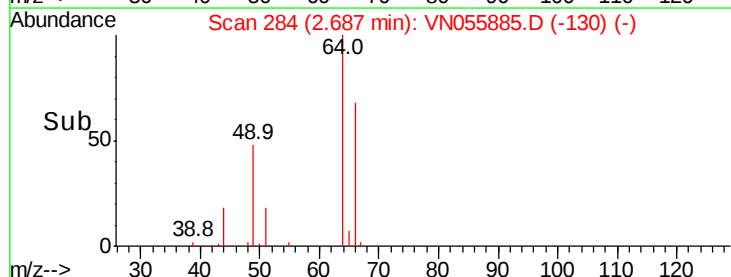
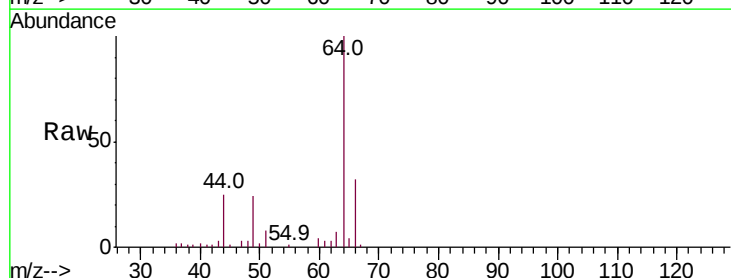
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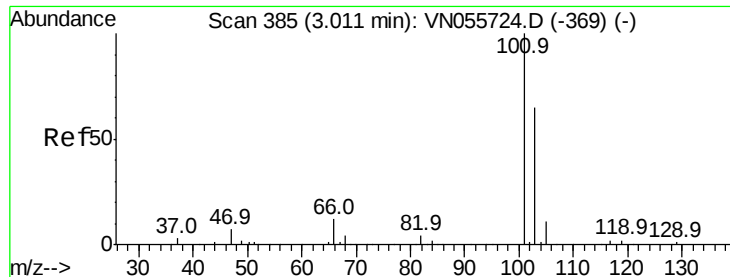
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#6
Chloroethane
Concen: 20.906 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.01 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 64 Resp: 41511
Ion Ratio Lower Upper
64 100
66 31.8 27.9 41.9





#7

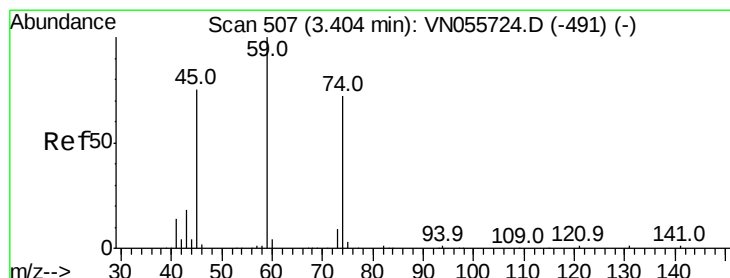
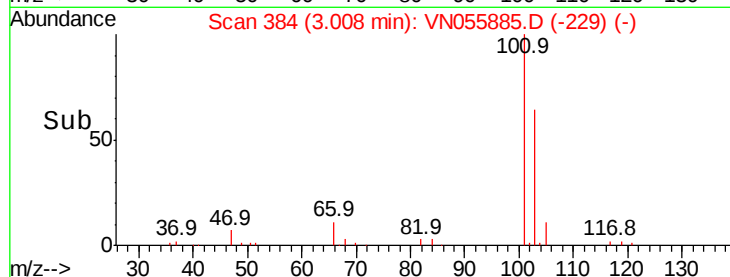
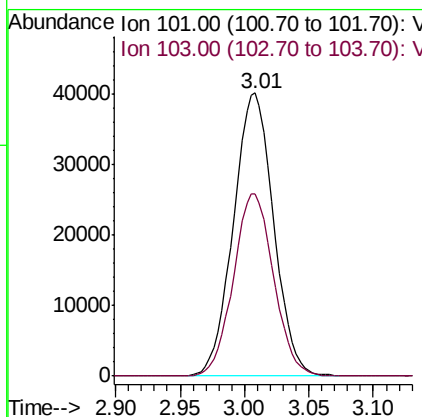
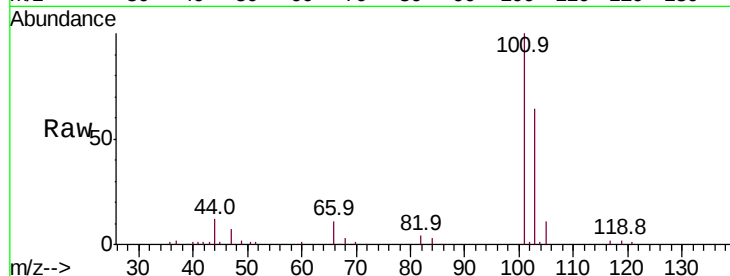
Trichlorofluoromethane
 Concen: 20.404 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
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Tot Ion:101 Resp: 87005
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 78.8

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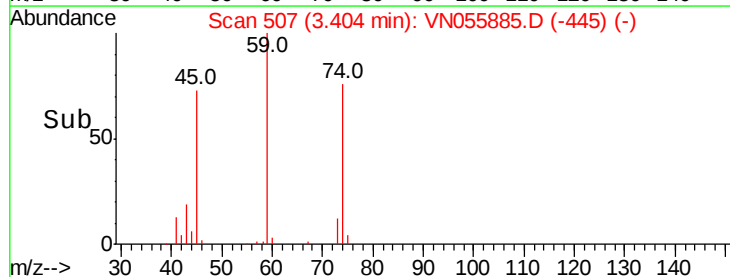
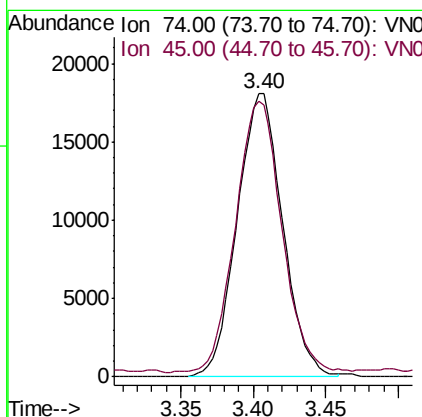
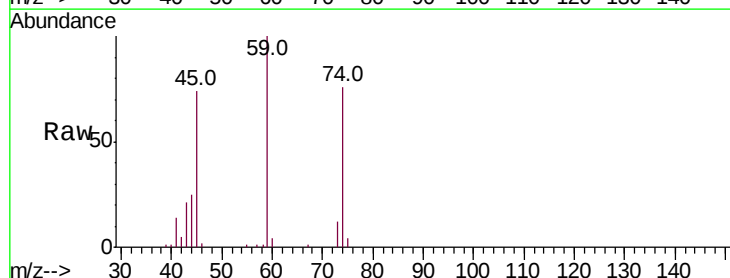
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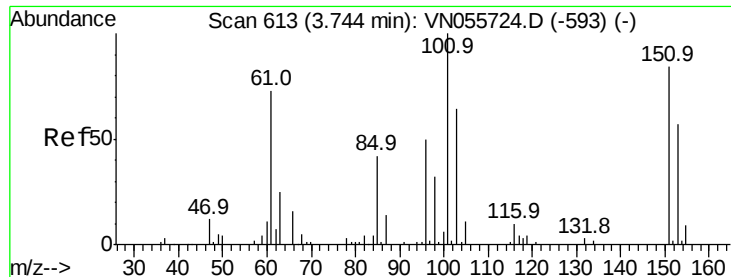


#8

Diethyl Ether
 Concen: 21.063 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 74 Resp: 39483
 Ion Ratio Lower Upper
 74 100
 45 96.1 20.4 184.0





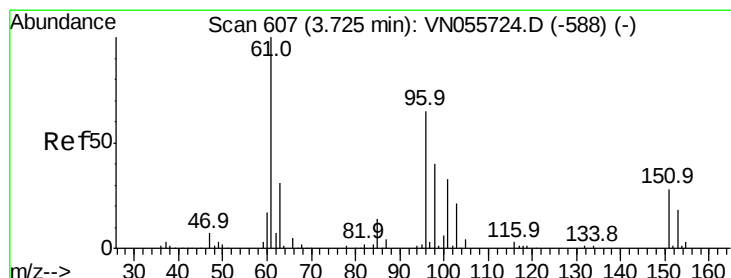
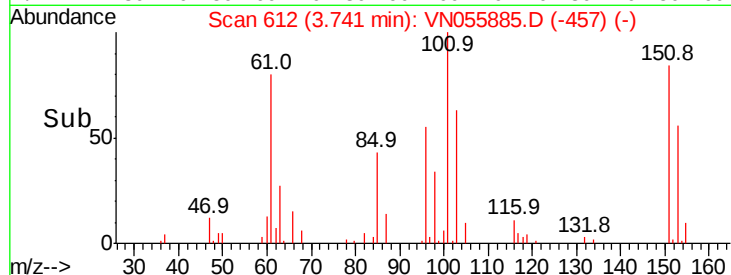
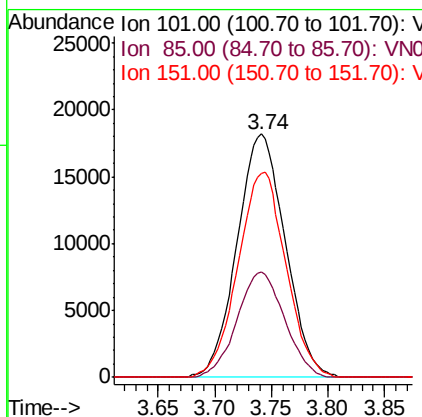
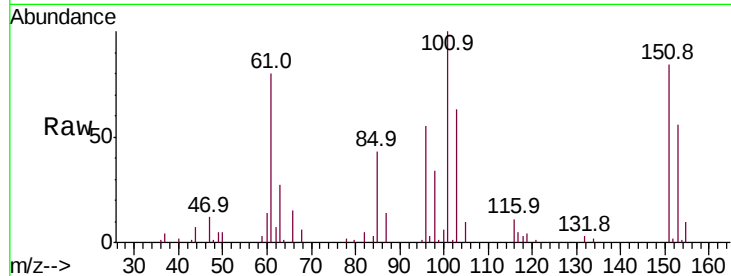
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.002 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	101	Resp:	53891
Ion Ratio	Lower	Upper	
101	100		
85	42.6	0.0	86.6
151	83.8	0.0	172.2

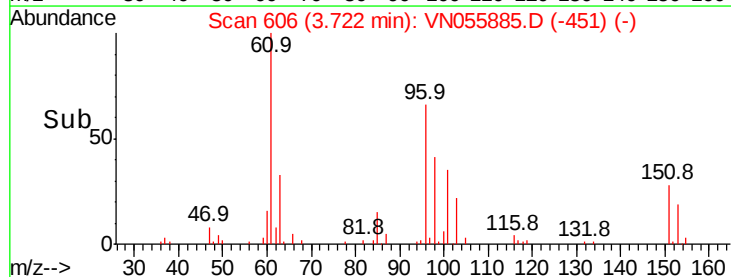
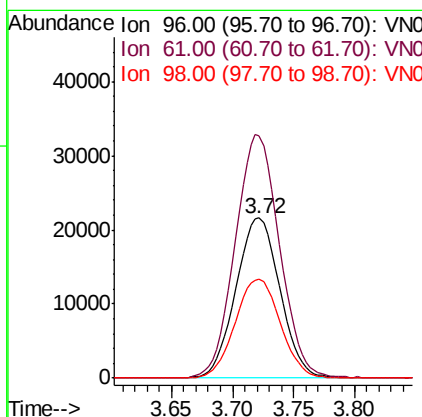
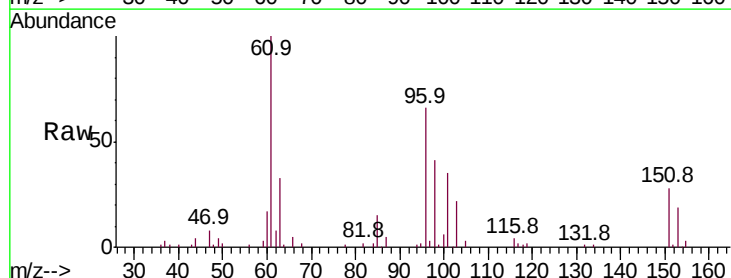
Manual Integrations
 APPROVED

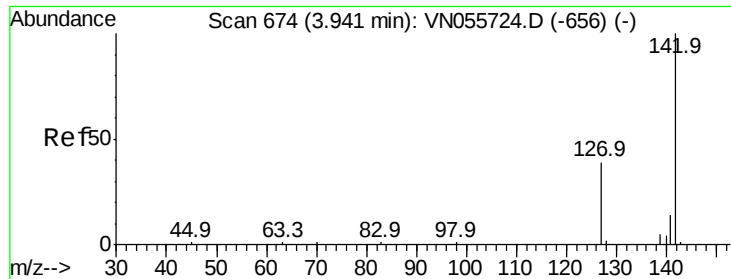
MMDadoda
 5/30/2019 9:35:29 AM



#10
 1,1-Dichloroethene
 Concen: 19.221 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion:	96	Resp:	54176
Ion Ratio	Lower	Upper	
96	100		
61	152.0	123.7	185.5
98	61.7	50.0	75.0





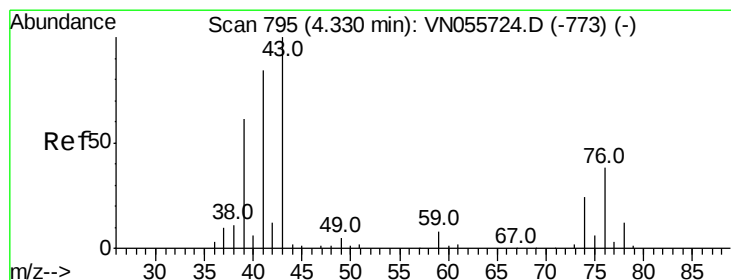
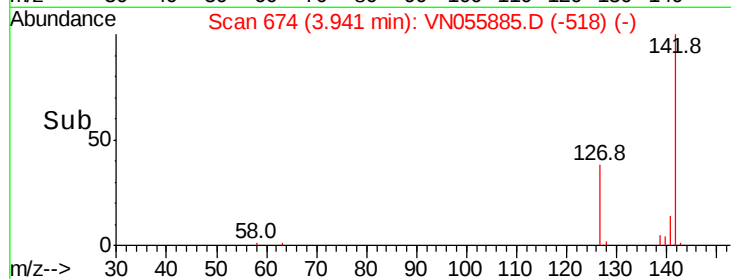
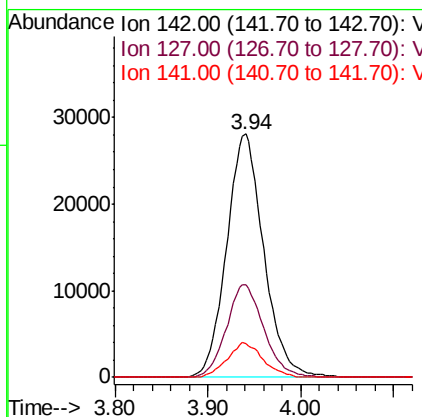
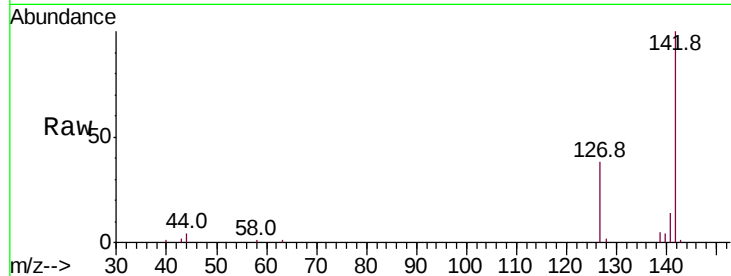
#11
Methyl Iodide
Concen: 19.413 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.2	19.6	58.7
141	14.1	6.9	20.6

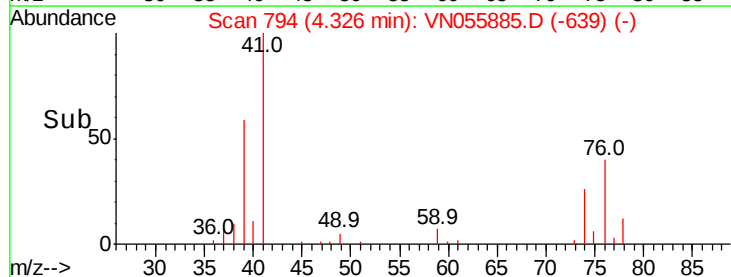
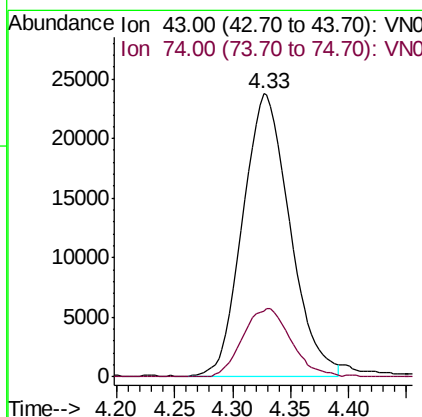
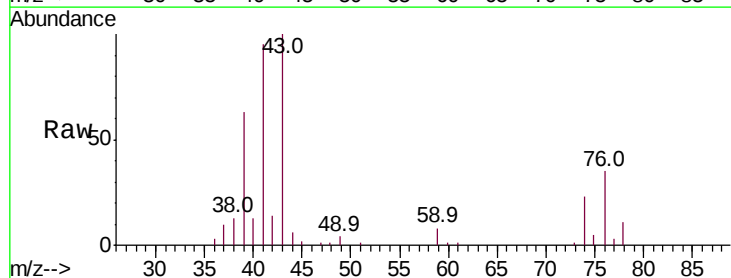
Manual Integrations
APPROVED

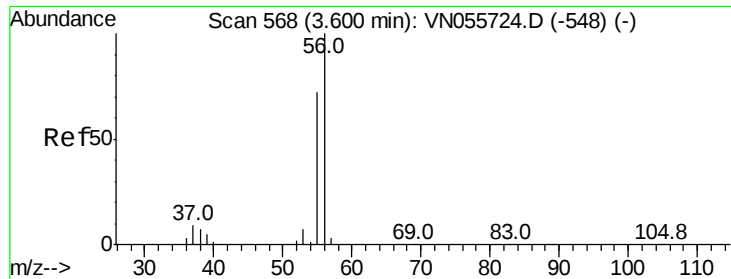
MMDadoda
5/30/2019 9:35:29 AM



#12
Methyl Acetate
Concen: 19.568 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8





#13

Acrolein

Concen: 82.139 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 39343

Ion Ratio Lower Upper

56 100

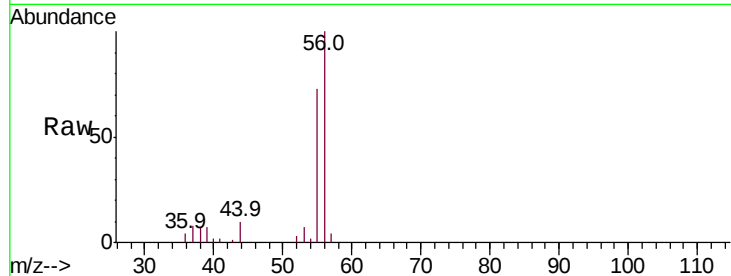
55 73.7 57.0 85.6

Manual Integrations

APPROVED

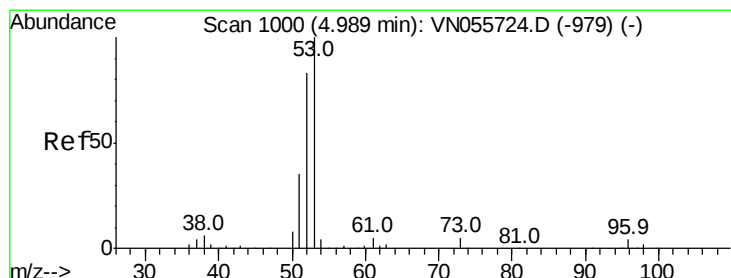
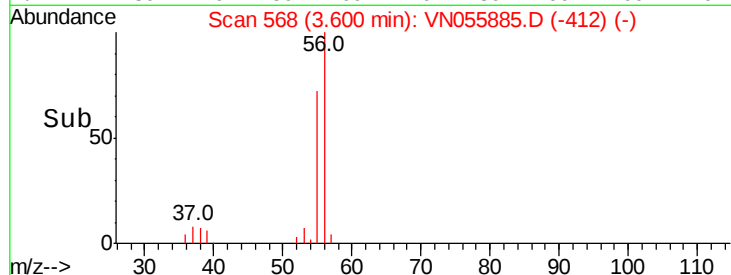
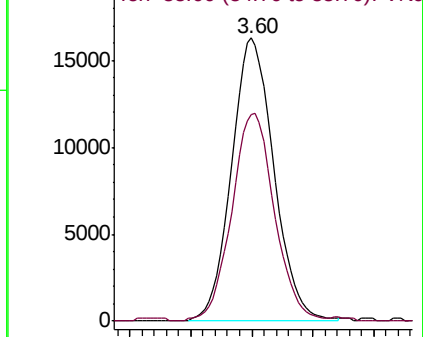
MMDadoda

5/30/2019 9:35:29 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Acrylonitrile

Concen: 99.147 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

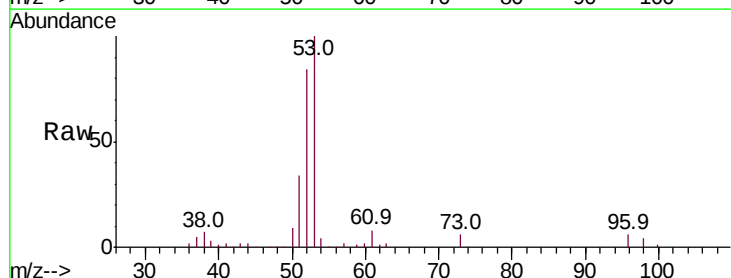
Tgt Ion: 53 Resp: 155821

Ion Ratio Lower Upper

53 100

52 82.7 41.1 123.4

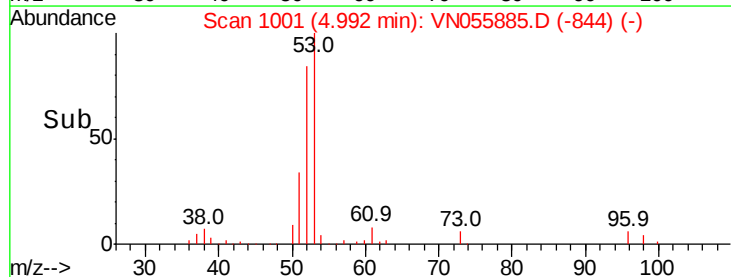
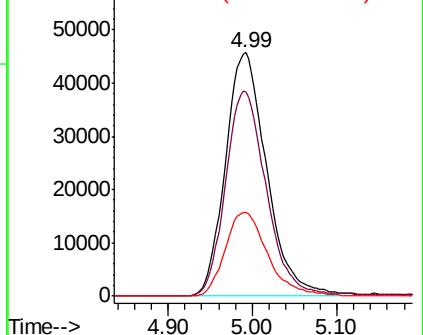
51 35.4 17.5 52.6

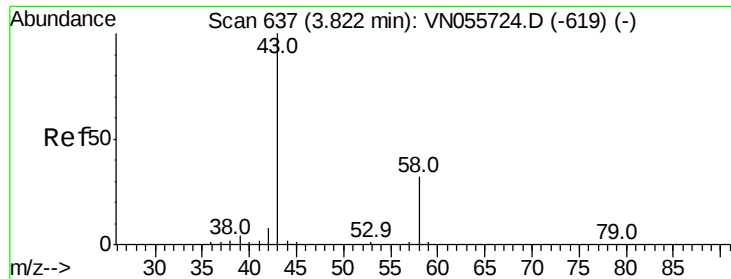


Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





#15

Acetone

Concen: 97.906 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 47787

Ion Ratio Lower Upper

58 100

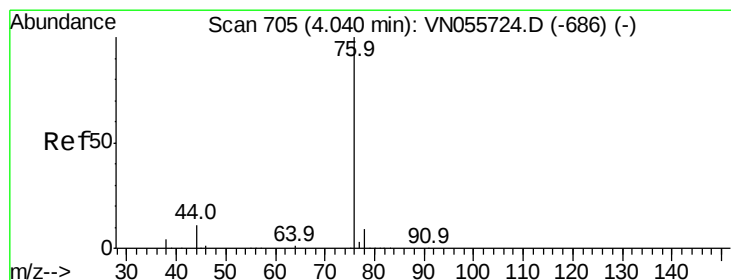
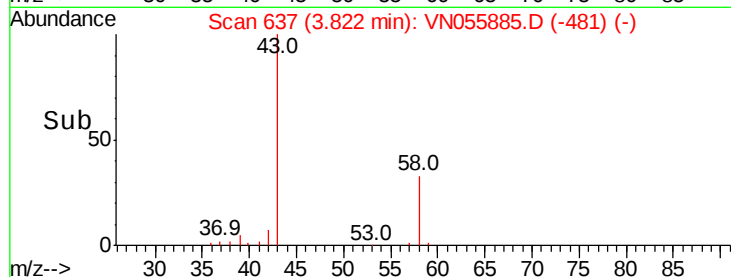
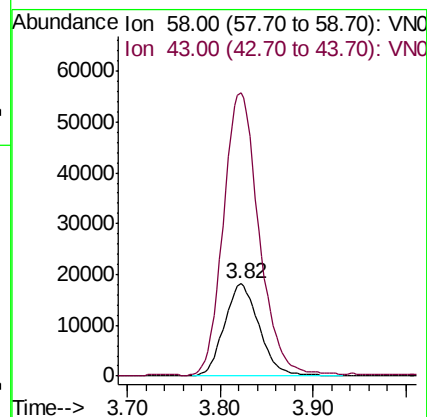
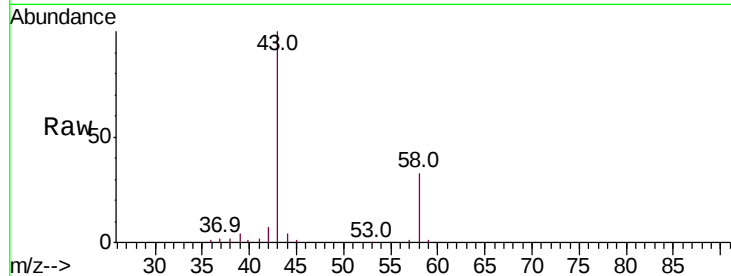
43 303.4 248.8 373.2

Manual Integrations

APPROVED

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#16

Carbon Disulfide

Concen: 16.478 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055885.D

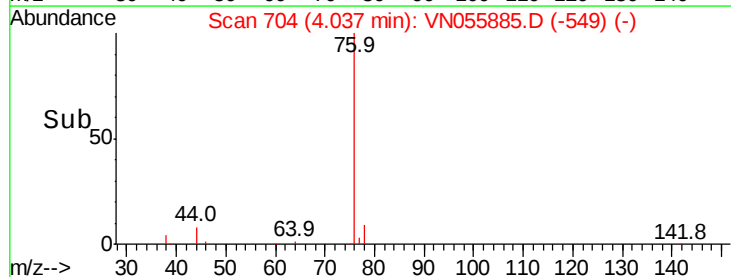
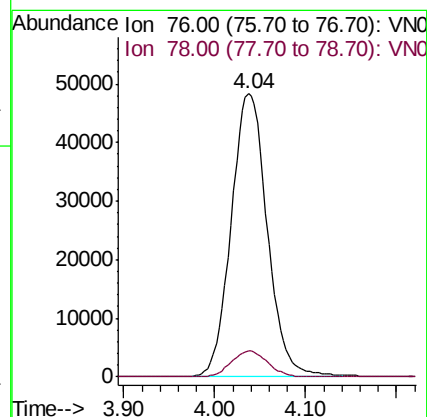
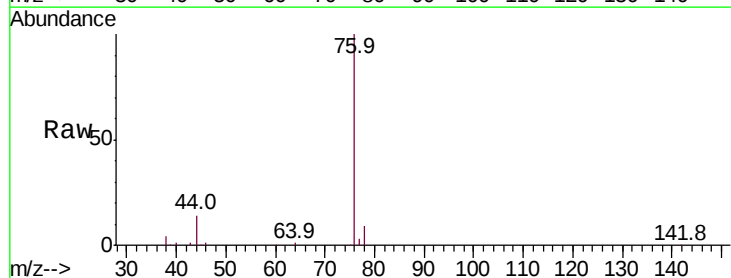
Acq: 29 May 2019 18:18

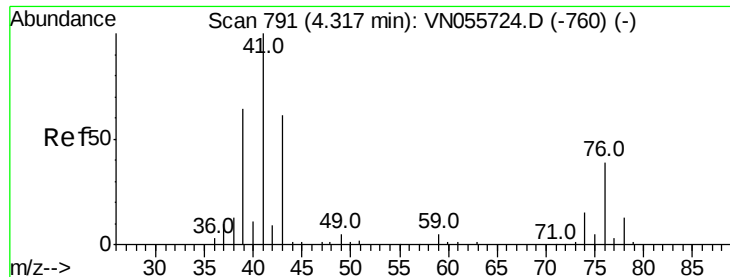
Tgt Ion: 76 Resp: 133160

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





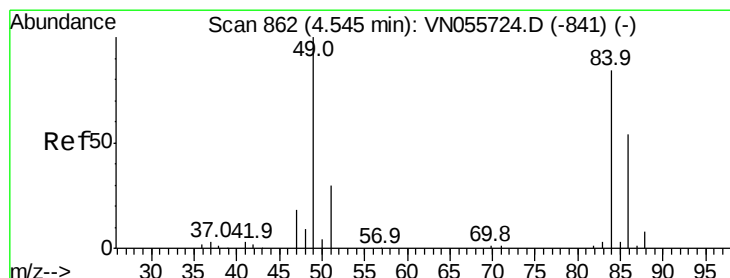
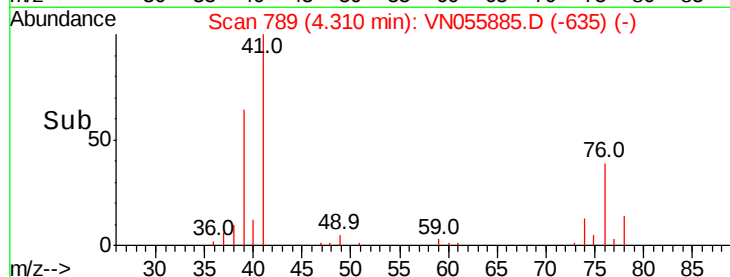
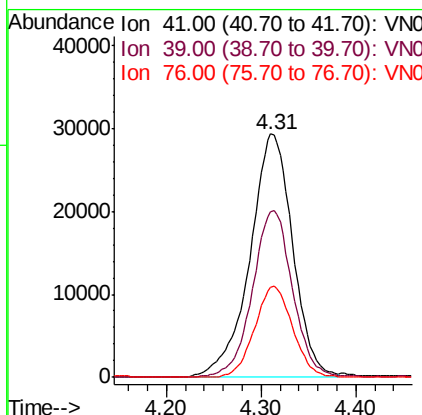
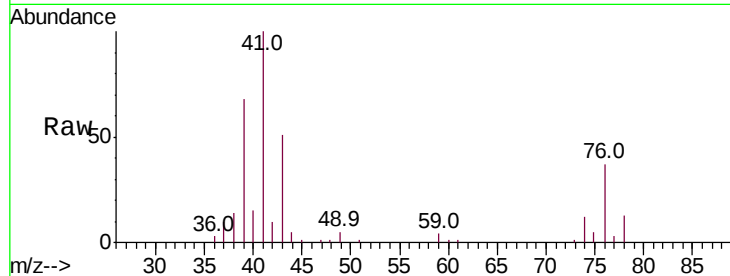
#17
Allvl chloride
Concen: 18.152 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.1	31.8	95.3
76	37.2	19.3	57.9

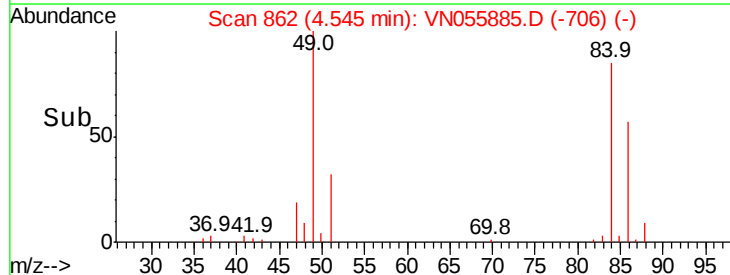
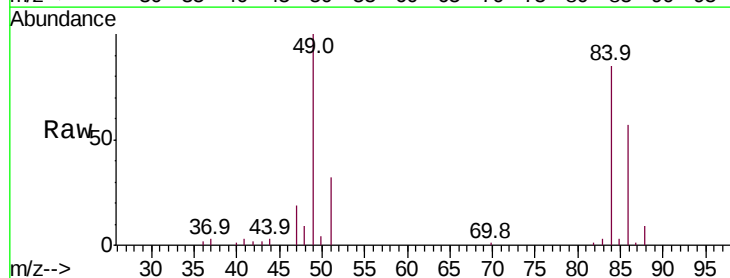
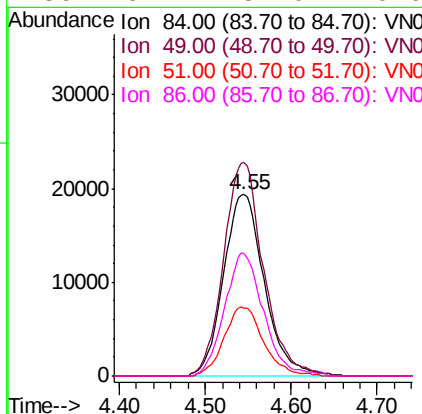
Manual Integrations
APPROVED

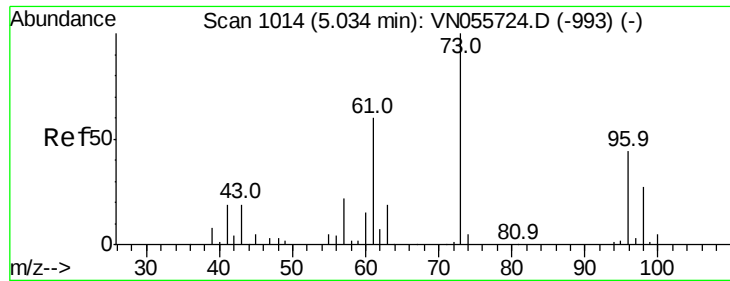
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#18
Methylene Chloride
Concen: 19.815 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.6	94.7	142.1
51	37.6	28.6	43.0
86	67.4	51.0	76.6





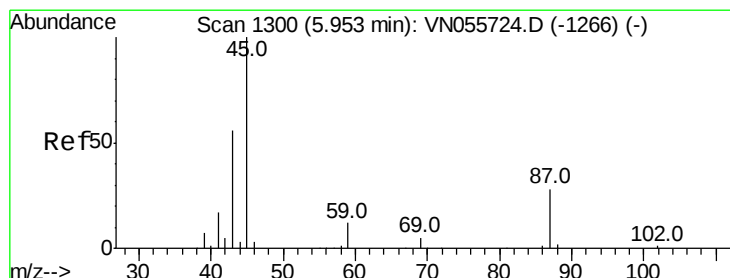
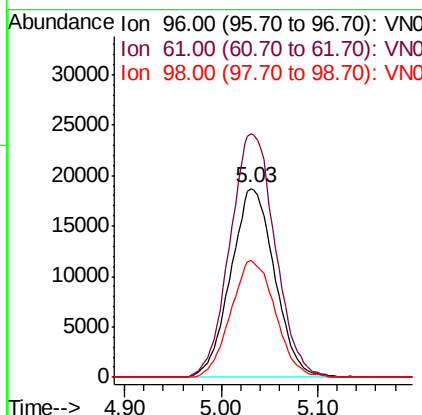
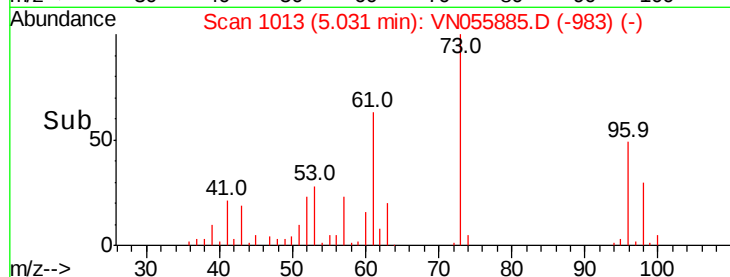
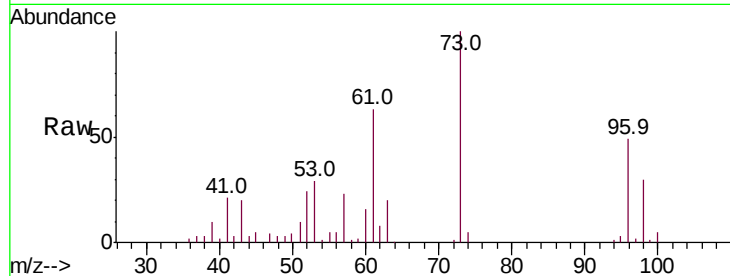
#19
trans-1,2-Dichloroethene
Concen: 19.490 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.9	108.5	162.7
98	61.7	49.4	74.2

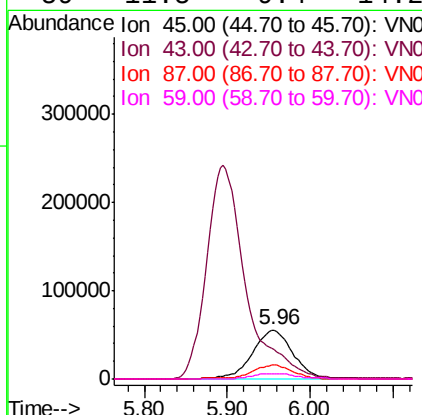
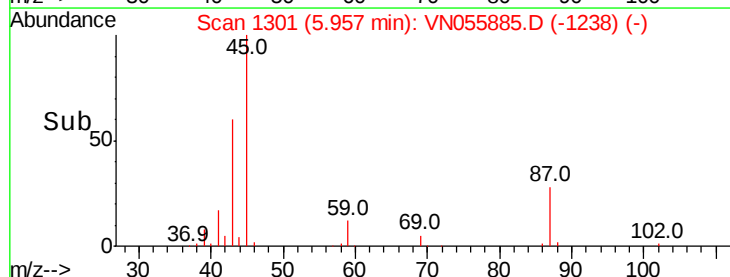
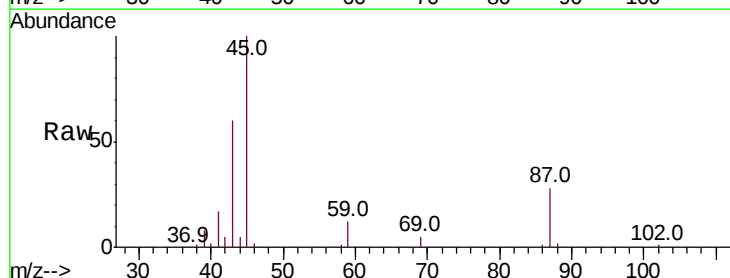
Manual Integrations
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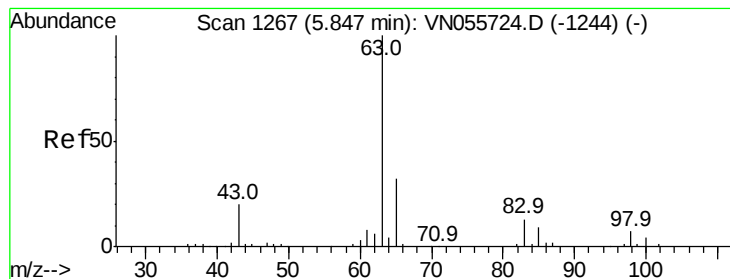
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#20
Diisopropyl ether
Concen: 19.113 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	48.6	73.0
87	27.9	22.6	34.0
59	11.5	9.4	14.2





#21

1,1-Dichloroethane

Concen: 19.458 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

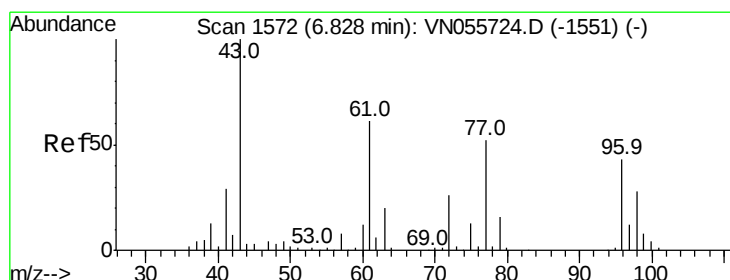
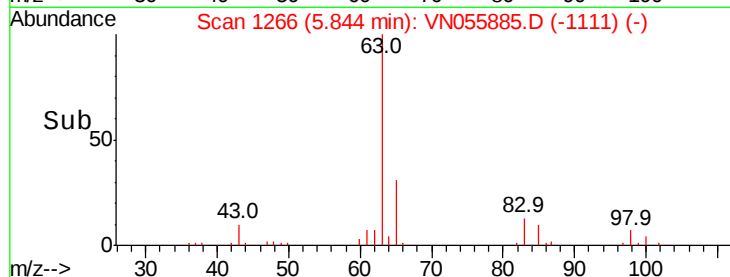
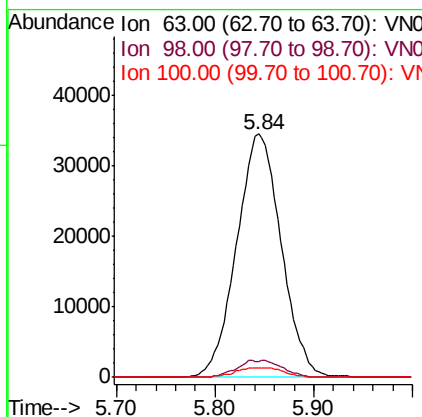
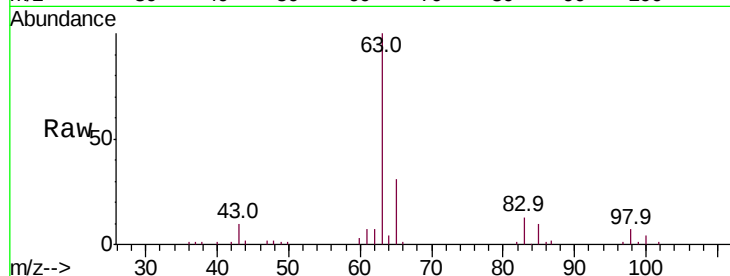
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	108296
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.4	10.2
100	3.9	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.906 ug/l

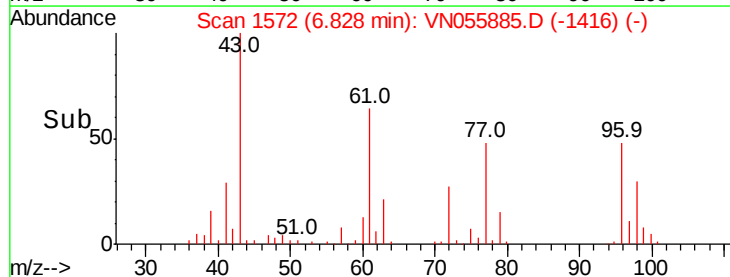
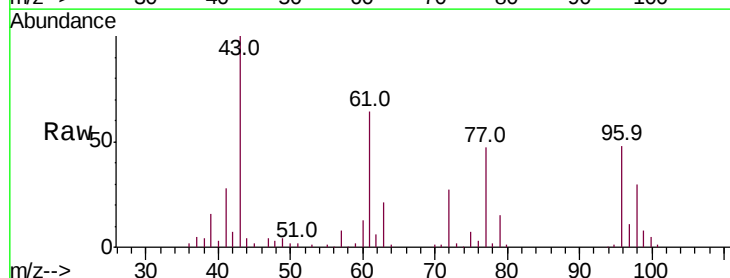
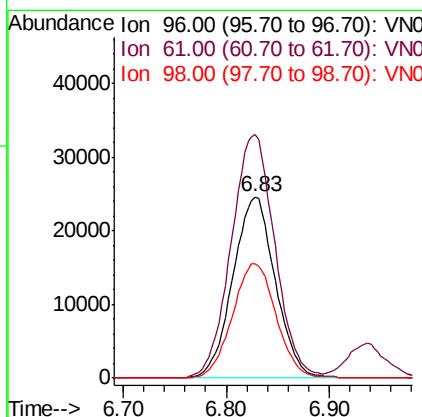
RT: 6.83 min Scan# 1572

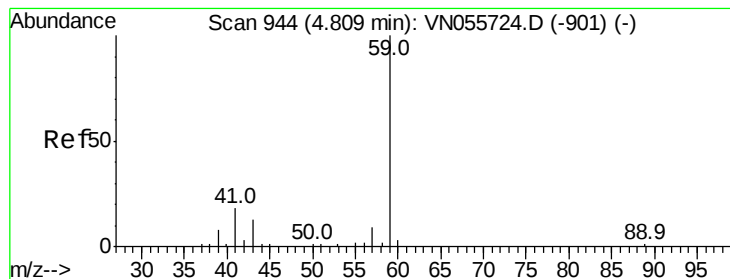
Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Tgt Ion:	96	Resp:	70391
Ion Ratio	Lower	Upper	
96	100		
61	138.0	115.7	173.5
98	64.9	51.5	77.3





#23

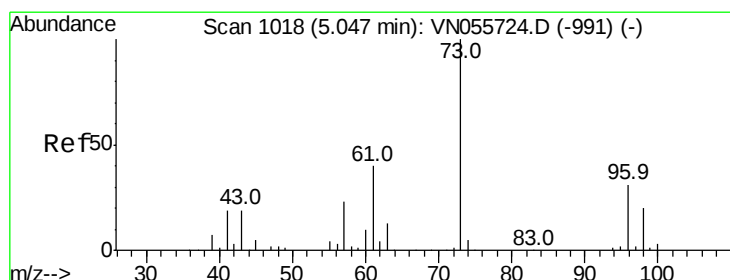
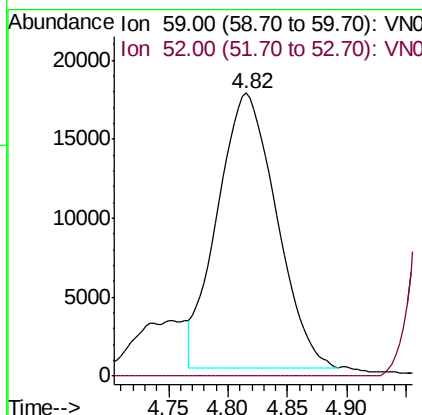
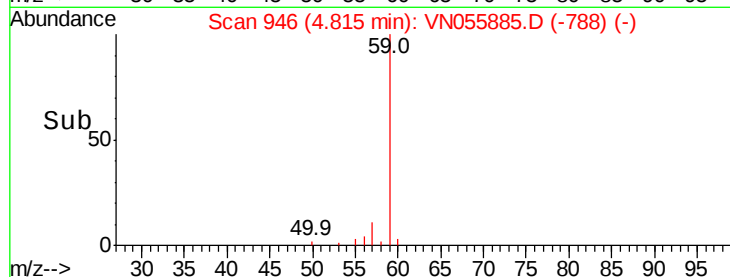
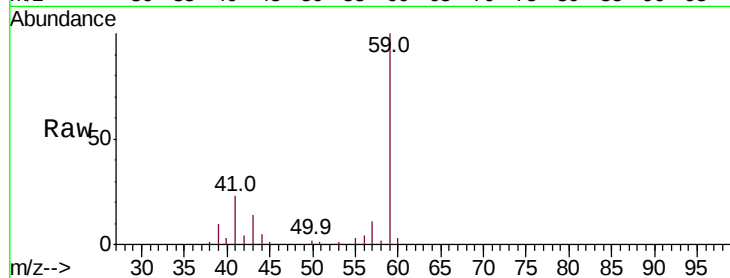
tert-Butyl Alcohol
 Concen: 86.379 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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

Manual Integrations
 APPROVED

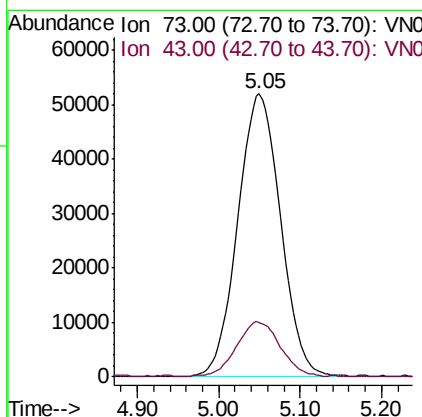
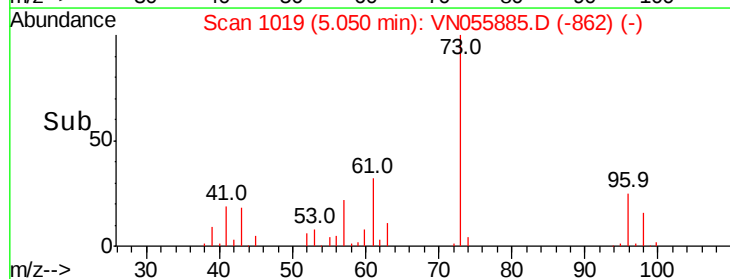
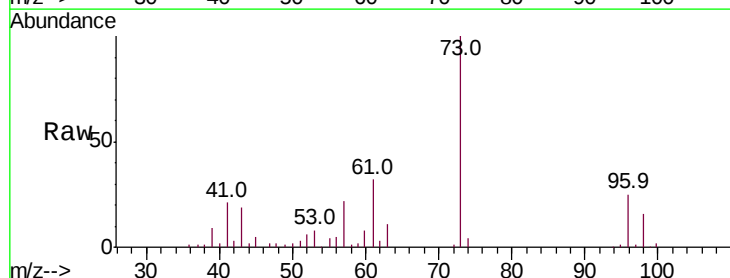
MMDadoda
 5/30/2019 9:35:29 AM

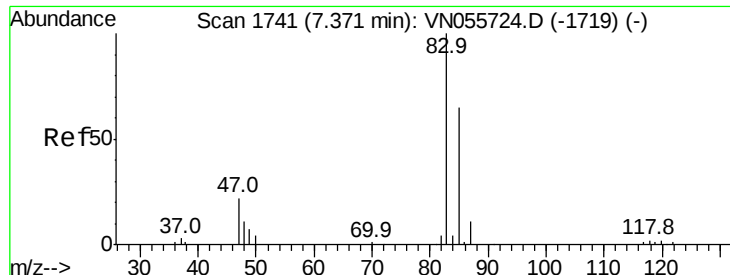


#24

Methyl tert-Butyl Ether
 Concen: 19.781 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	20.1	15.7	23.5





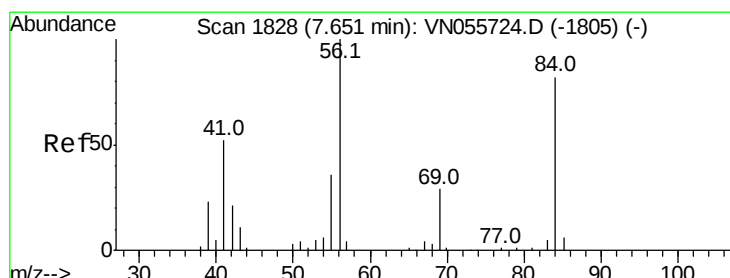
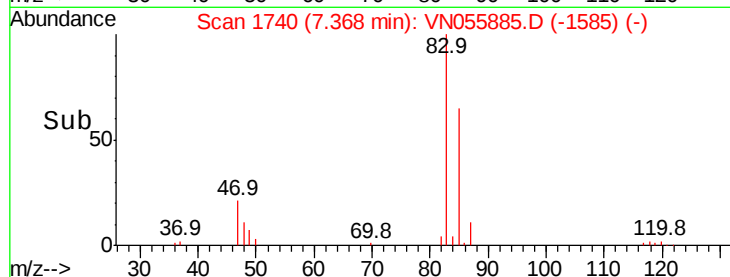
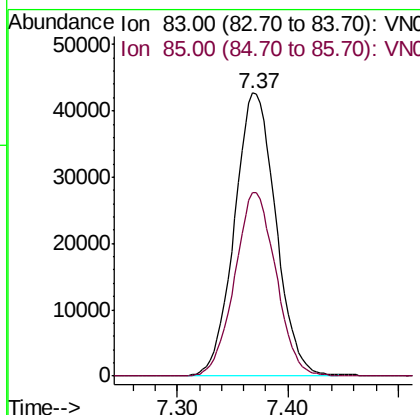
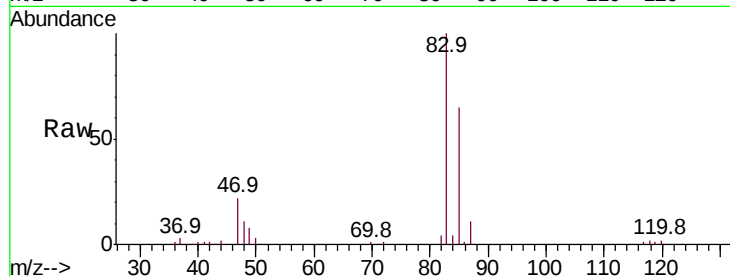
#25
Chloroform
Concen: 20.165 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	110845
Ion Ratio	100	Lower	Upper
85	64.9	51.7	77.5

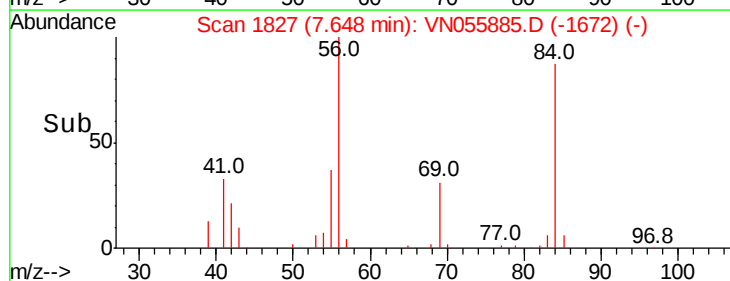
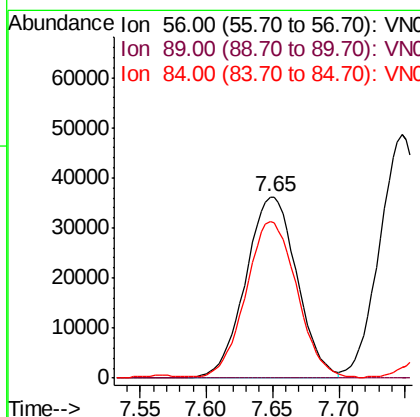
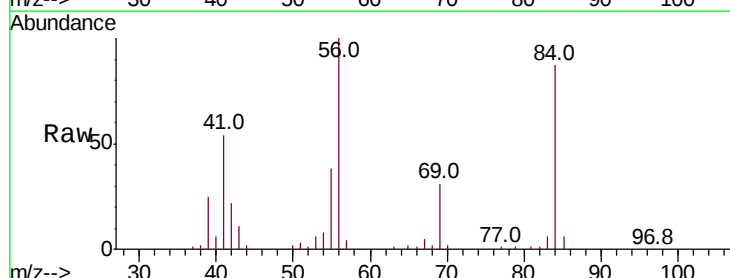
Manual Integrations
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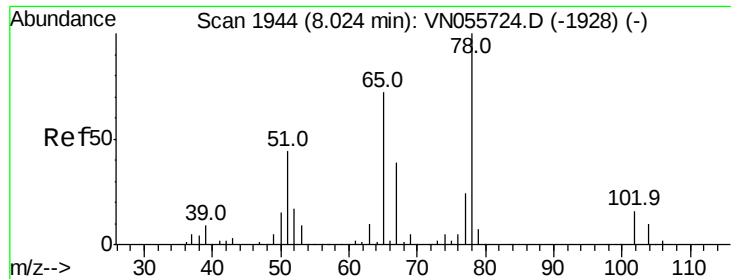
MMDadoda
5/30/2019 9:35:29 AM



#26
Cyclohexane
Concen: 19.004 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	56	Resp	97574
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	86.3	67.2	100.8





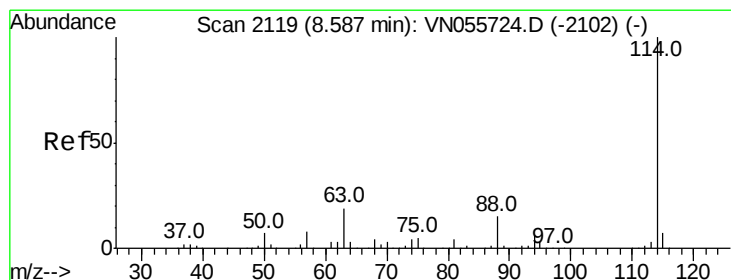
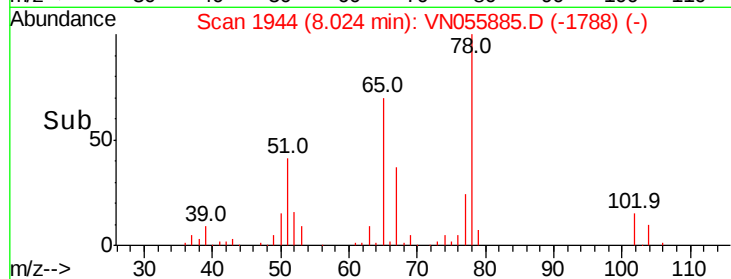
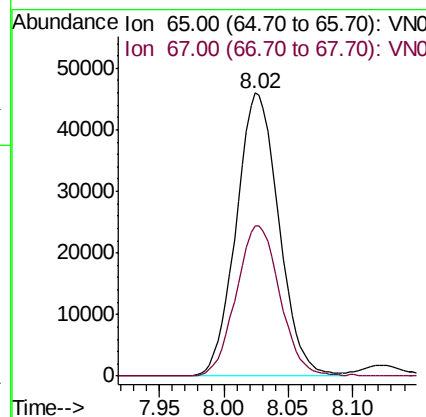
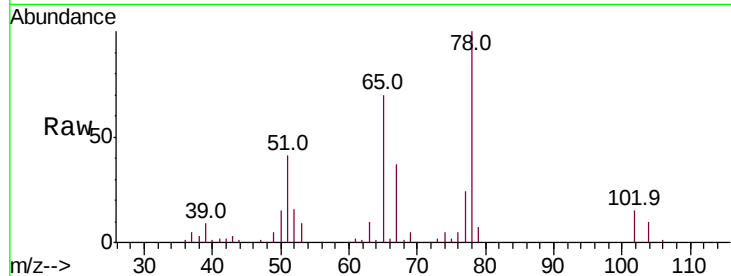
#27
 1,2-Dichloroethane-d4
 Concen: 30.359 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 105963
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.5 65.3

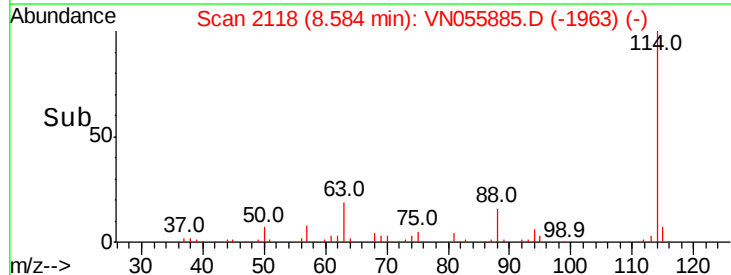
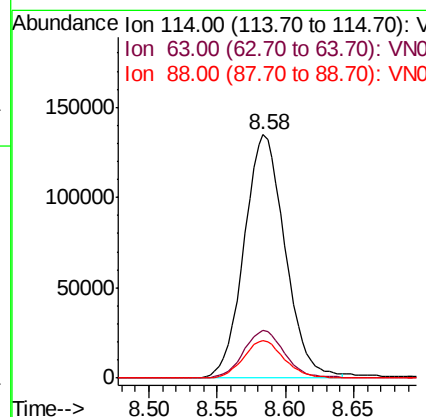
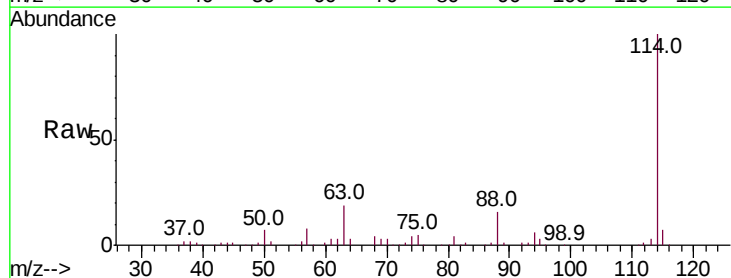
Manual Integrations
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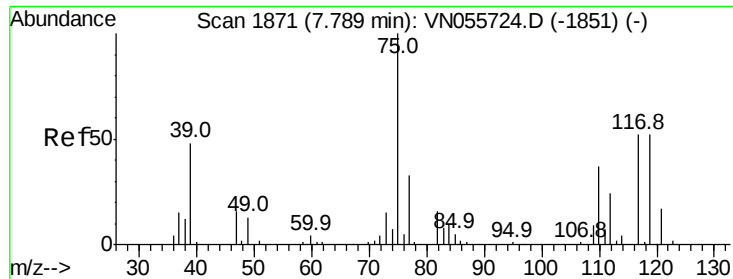
MMDadoda
 5/30/2019 9:35:29 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 114 Resp: 281345
 Ion Ratio Lower Upper
 114 100
 63 19.5 15.6 23.4
 88 15.4 12.3 18.5





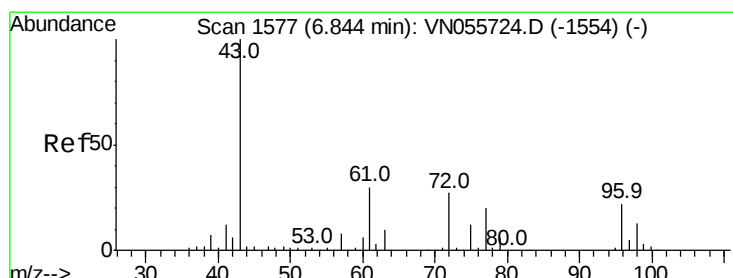
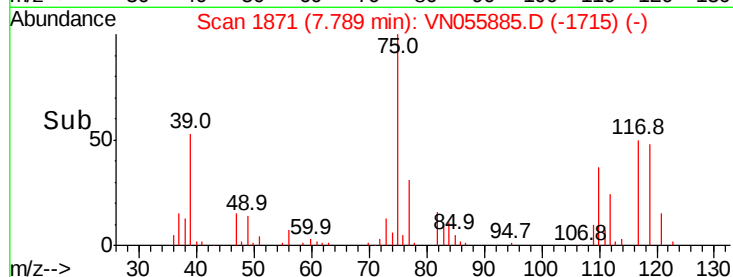
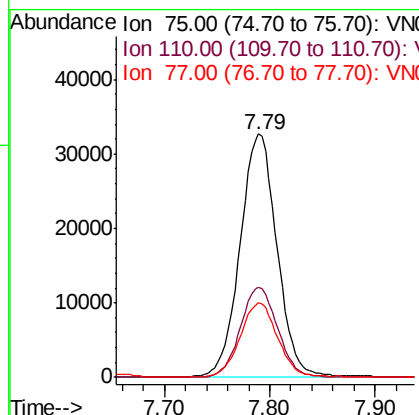
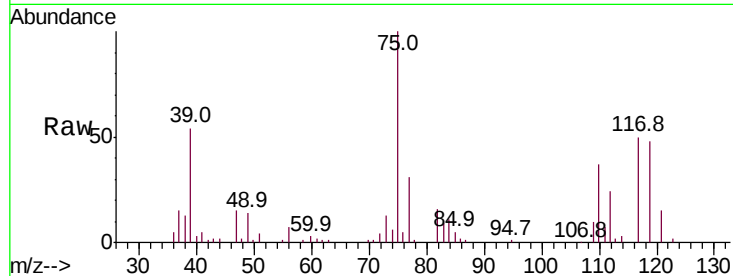
#29
 1,1-Dichloropropene
 Concen: 20.234 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	37.1	0.0	74.8
77	31.2	0.0	65.2

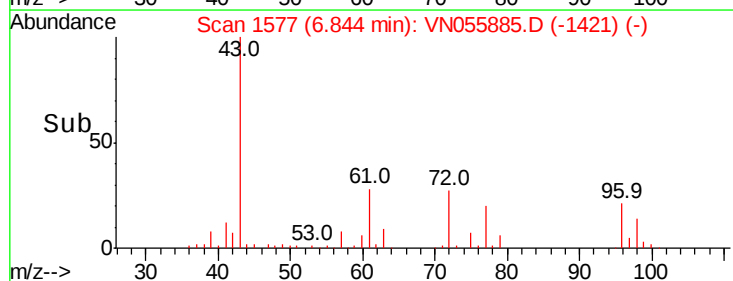
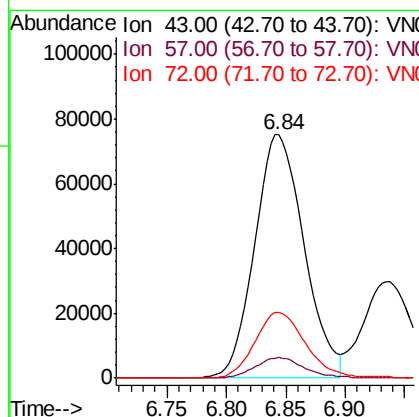
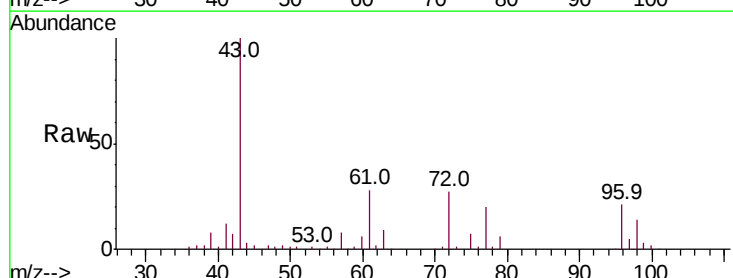
Manual Integrations
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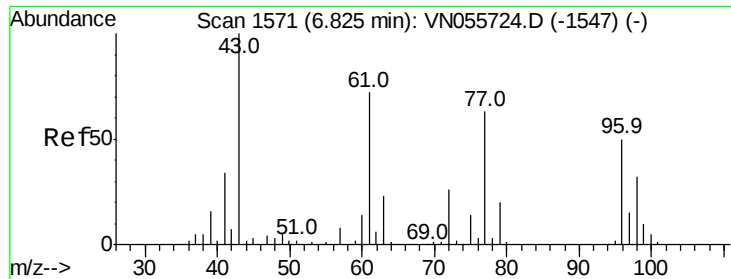
MMDadoda
 5/30/2019 9:35:29 AM



#30
 2-Butanone
 Concen: 102.451 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	6.6	10.0
72	27.8	21.7	32.5





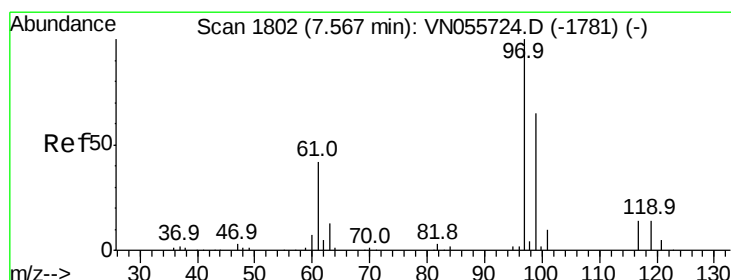
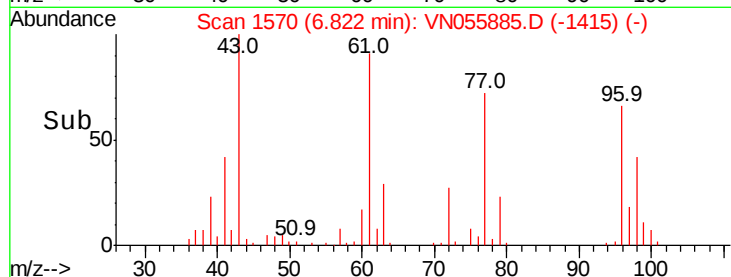
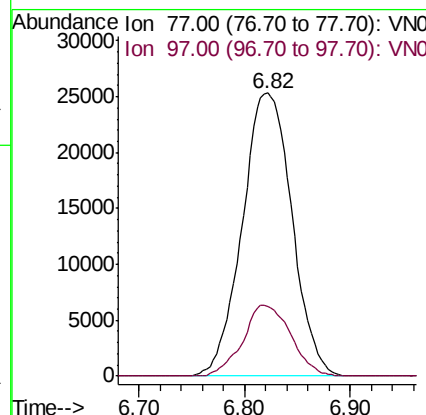
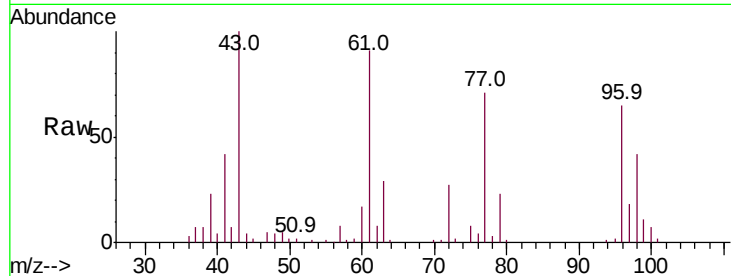
#31
 2,2-Dichloropropane
 Concen: 18.074 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 82838
 Ion Ratio Lower Upper
 77 100
 97 24.2 19.2 28.8

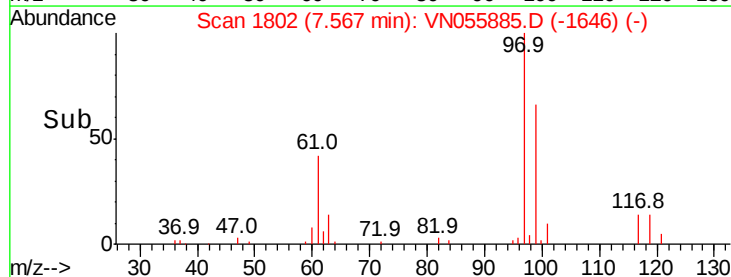
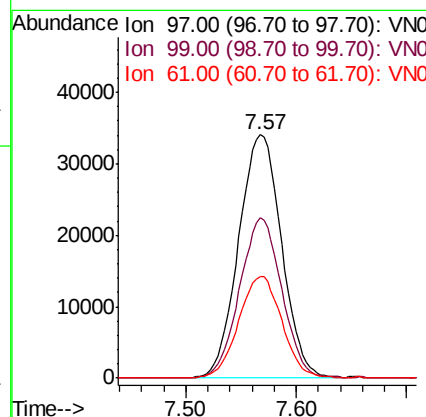
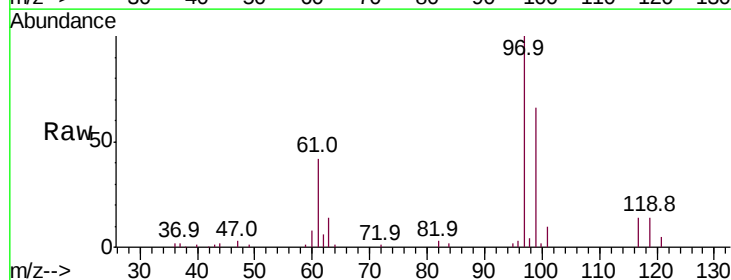
Manual Integrations
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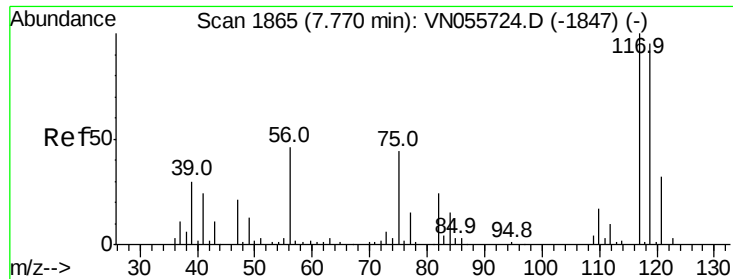
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#32
 1,1,1-Trichloroethane
 Concen: 19.714 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 97 Resp: 92033
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 42.1 33.1 49.7





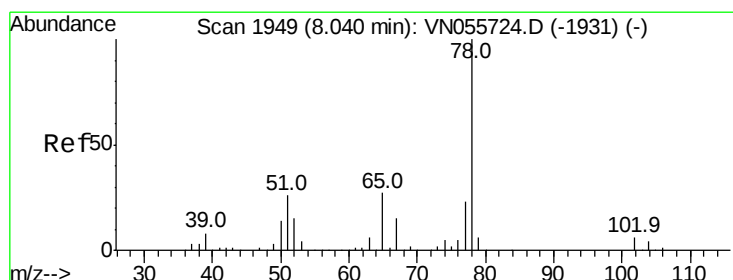
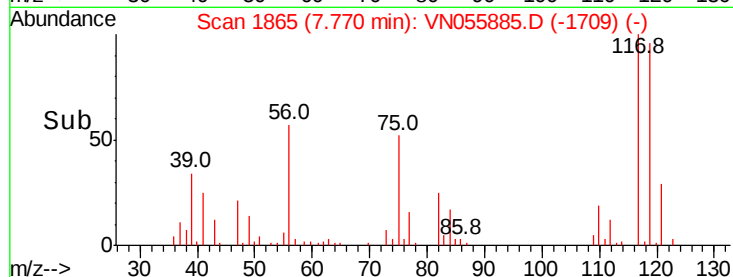
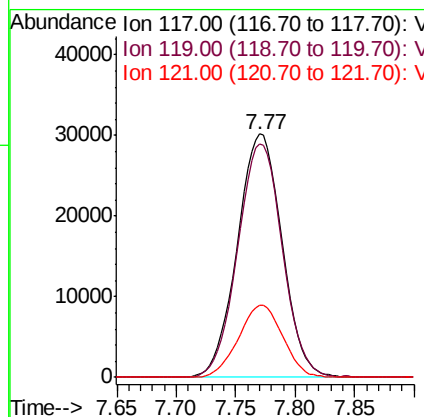
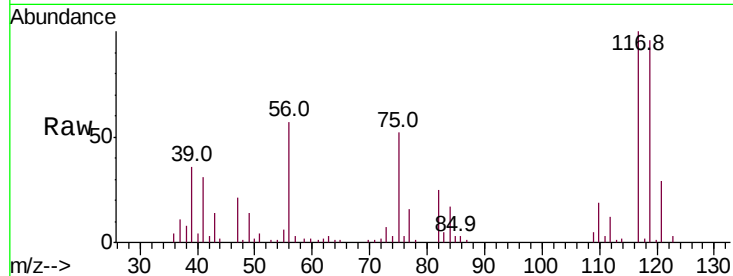
#33
Carbon Tetrachloride
Concen: 18.794 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 78484
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.8
121 29.5 25.4 38.0

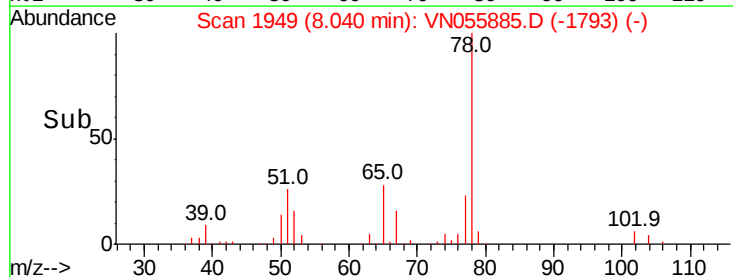
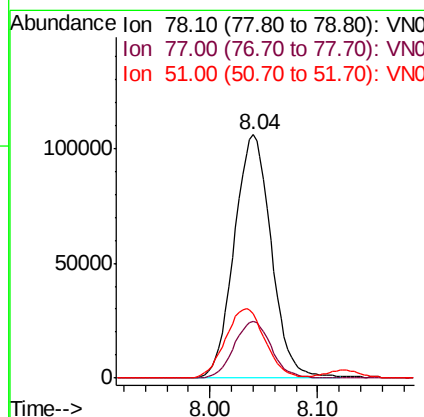
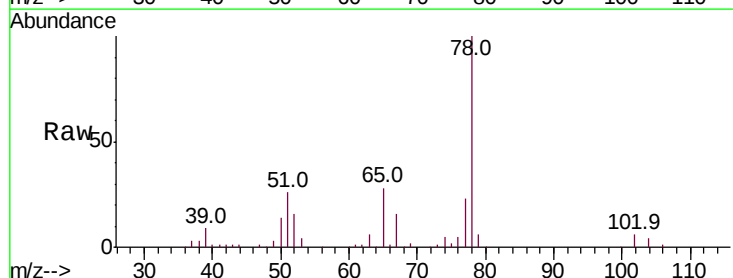
Manual Integrations
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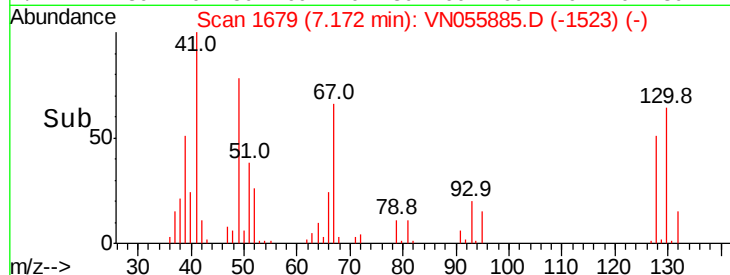
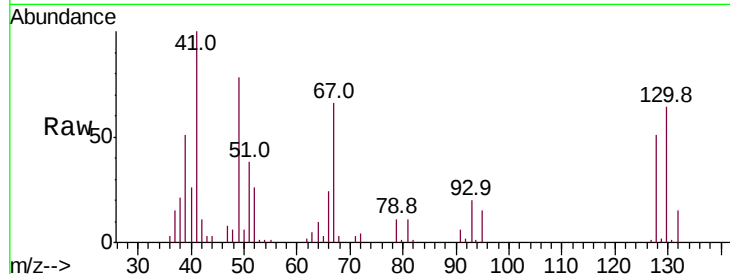
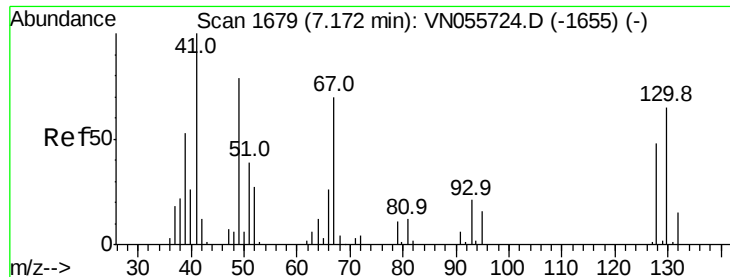
MMDadoda
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#34
Benzene
Concen: 20.791 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 78 Resp: 252809
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2
51 26.0 20.6 31.0





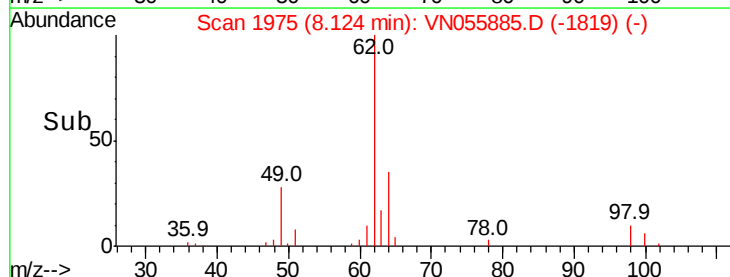
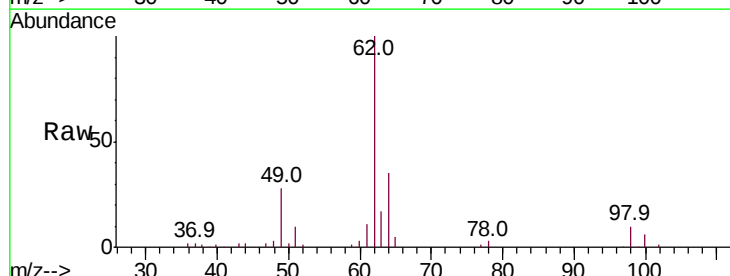
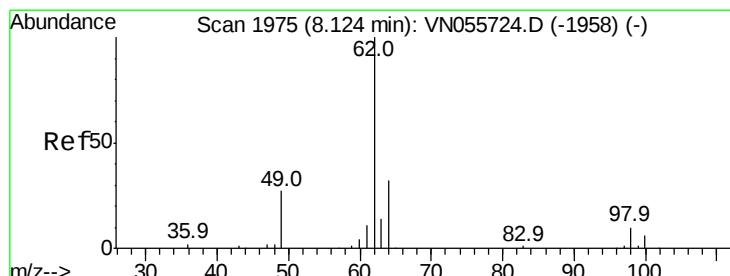
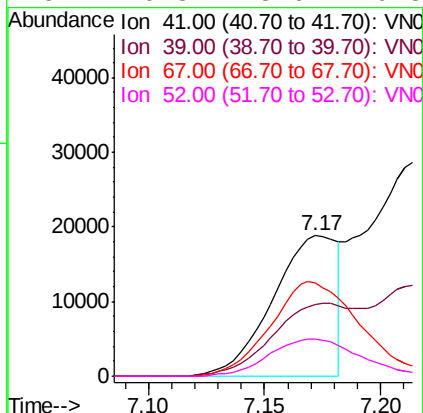
#35
Methacrylonitrile
Concen: 18.779 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tot Ion	41	Resp	36386
Ion Ratio	100	Lower	Upper
41	100		
39	51.2	26.7	80.1
67	66.1	34.9	104.7
52	26.3	13.6	40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

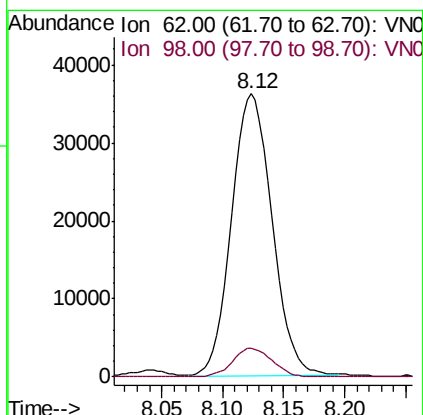
Manual Integrations
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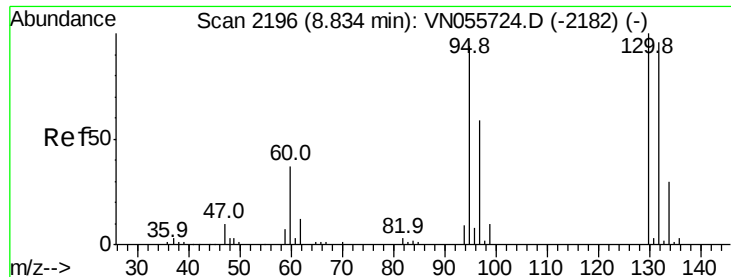
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#36
1,2-Dichloroethane
Concen: 20.954 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	62	Resp	83263
Ion Ratio	100	Lower	Upper
62	100		
98	9.8	8.2	12.2





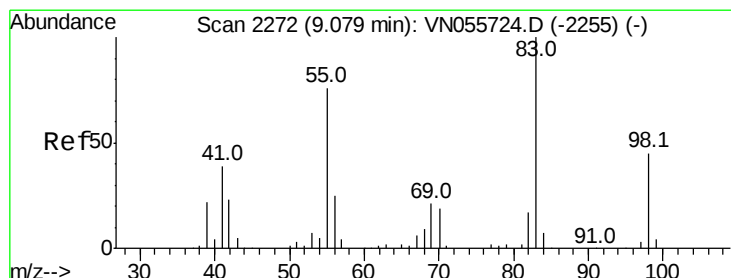
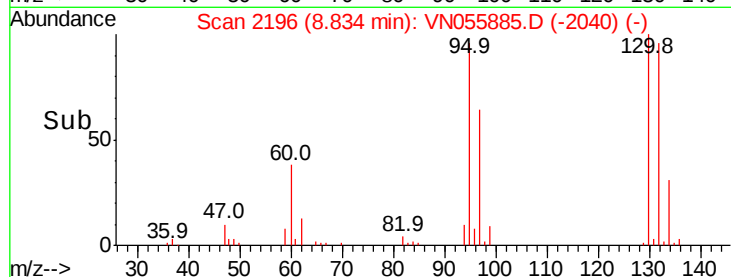
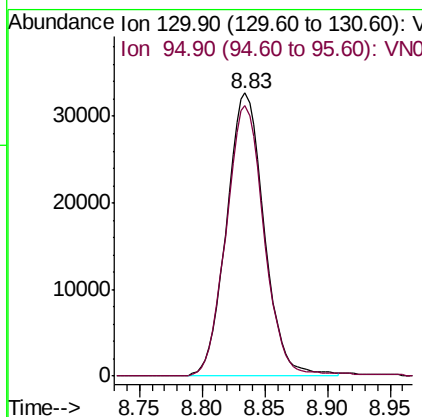
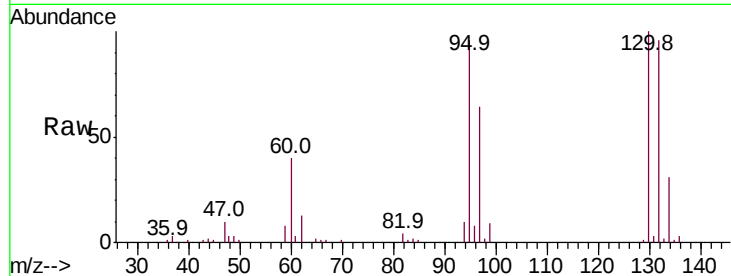
#37
 Trichloroethene
 Concen: 20.093 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 68168
 Ion Ratio Lower Upper
 130 100
 95 95.8 75.6 113.4

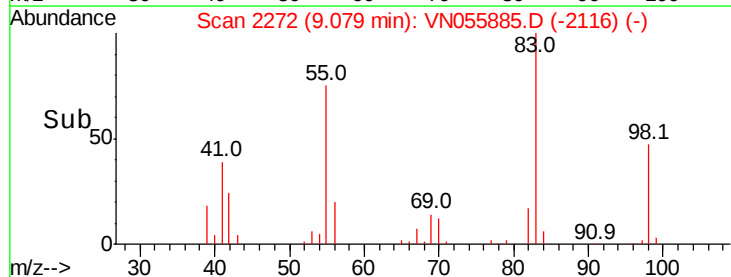
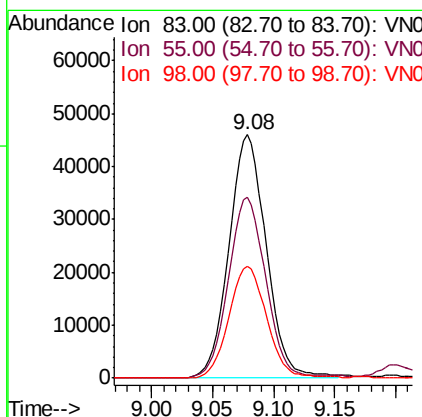
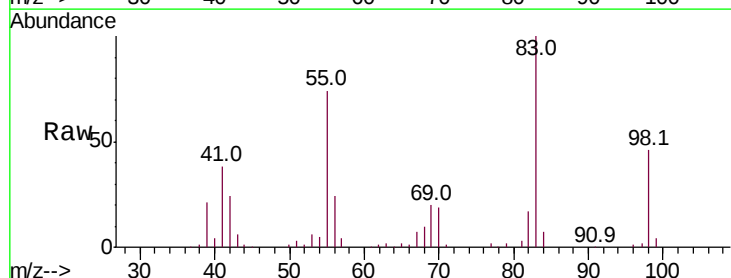
Manual Integrations
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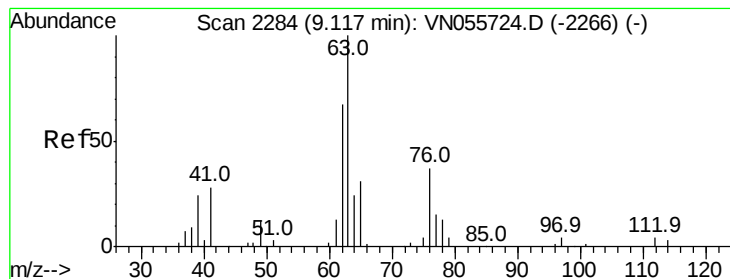
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#38
 Methylcyclohexane
 Concen: 19.615 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 83 Resp: 97878
 Ion Ratio Lower Upper
 83 100
 55 74.1 37.8 113.4
 98 46.3 22.6 67.8





#39

1,2-Dichloropropane

Concen: 20.193 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 66009

Ion Ratio Lower Upper

63 100

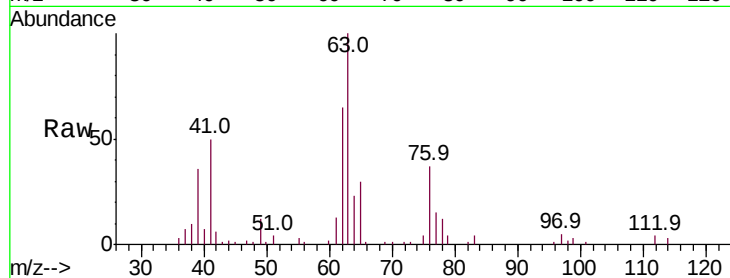
65 30.0 25.8 38.8

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-2266) (-)

Ion 65.00 (64.70 to 65.70): VN055724.D (-2266) (-)

9.12

30000

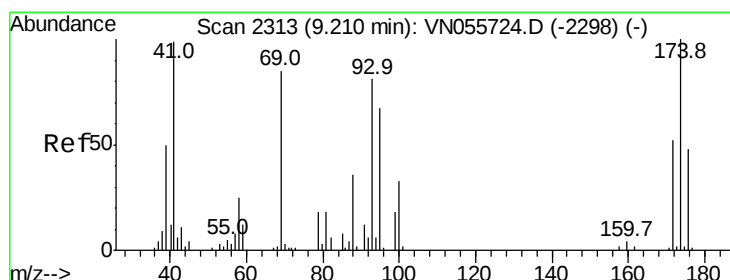
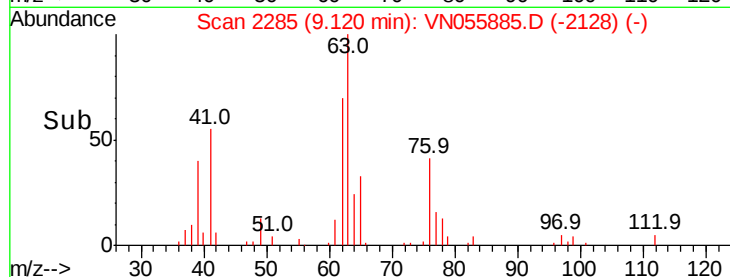
20000

10000

0

9.00 9.05 9.10 9.15 9.20

Time-->



#40

Dibromomethane

Concen: 20.766 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

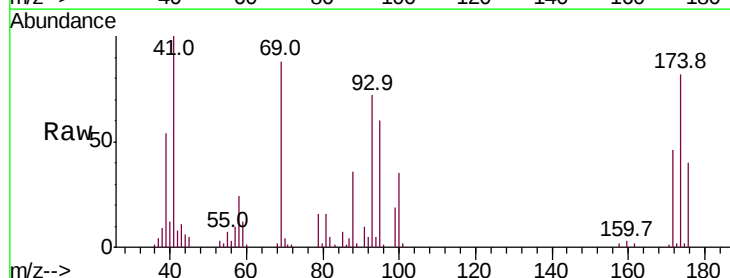
Tgt Ion: 93 Resp: 43833

Ion Ratio Lower Upper

93 100

95 81.9 0.0 170.6

174 116.0 0.0 248.4



Abundance Ion 93.00 (92.70 to 93.70): VN055724.D (-2298) (-)

Ion 95.00 (94.70 to 95.70): VN055724.D (-2298) (-)

Ion 174.00 (173.70 to 174.70): VN055724.D (-2298) (-)

9.21

30000

25000

20000

15000

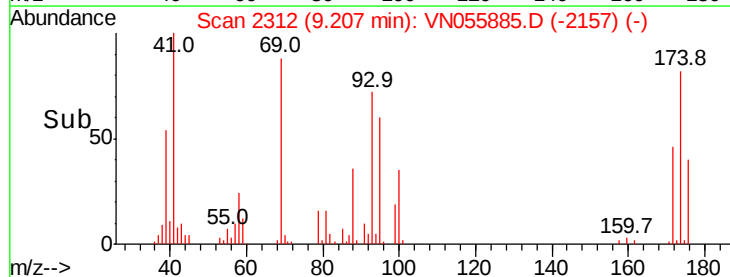
10000

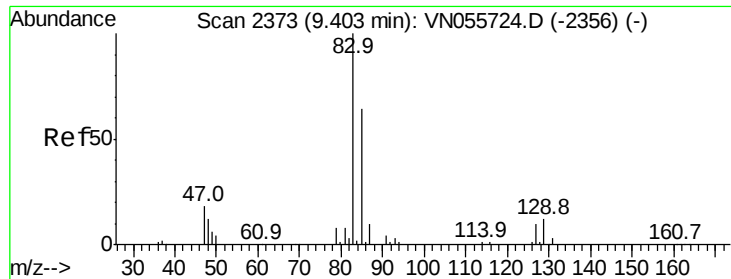
5000

0

9.15 9.20 9.25

Time-->





#41

Bromodichloromethane

Concen: 18.775 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

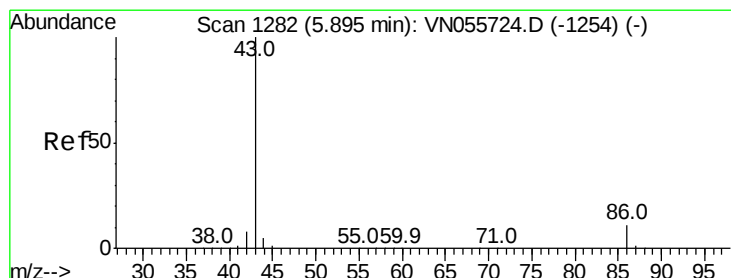
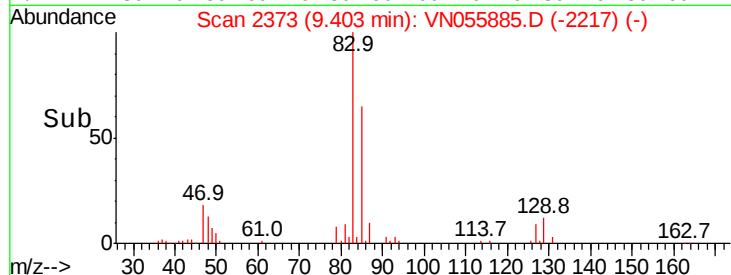
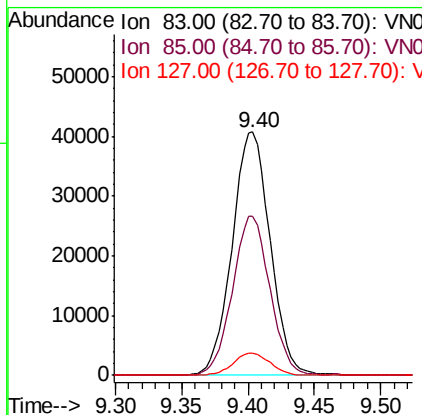
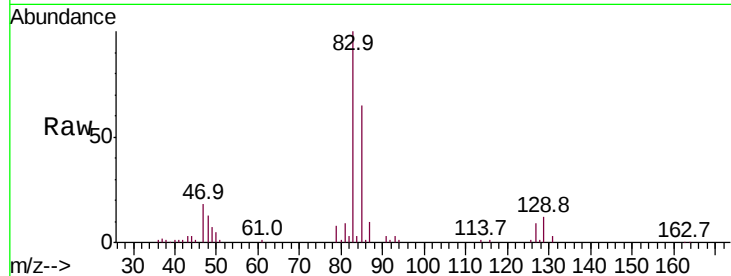
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	81223
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.4	77.0
127	9.0	7.7	11.5

Manual Integrations
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#42

Vinyl Acetate

Concen: 98.054 ug/l

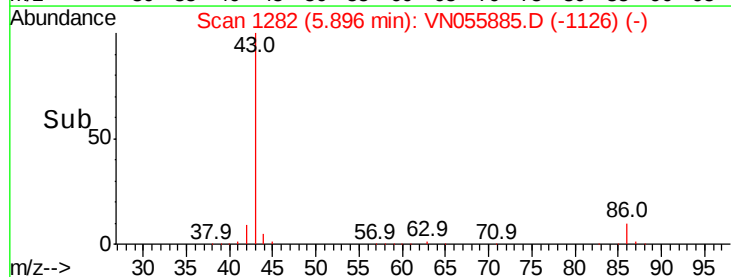
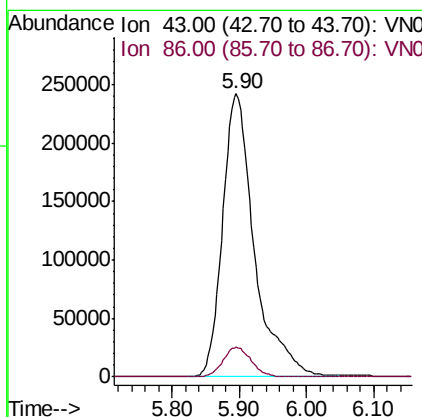
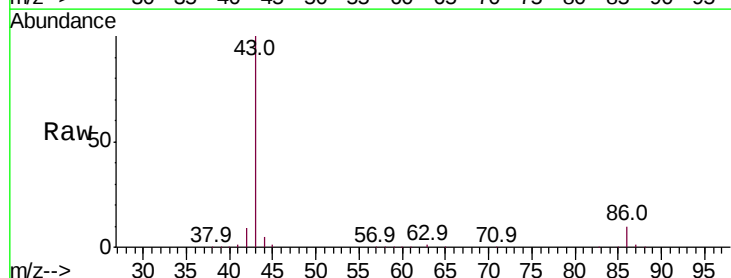
RT: 5.90 min Scan# 1282

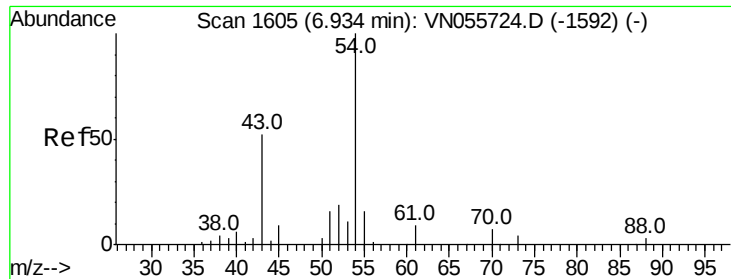
Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Tgt Ion:	43	Resp:	799194
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.4	11.2





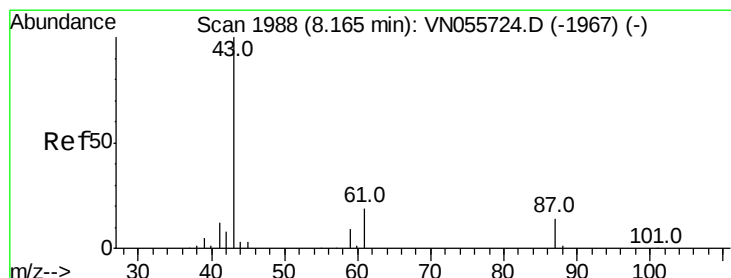
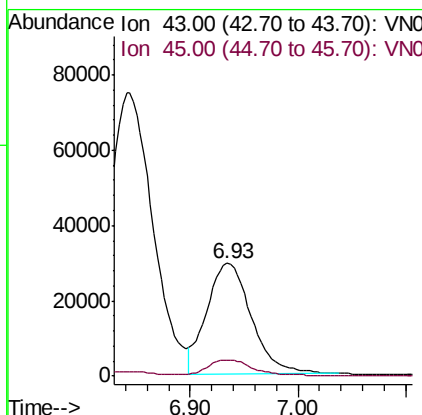
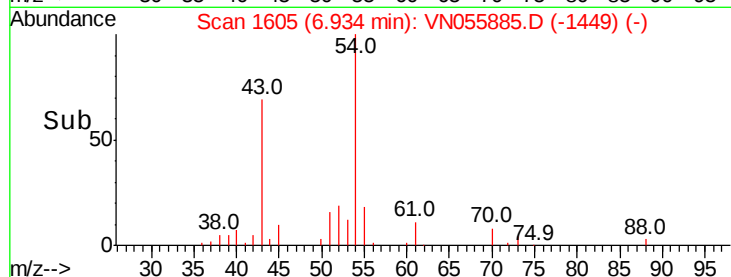
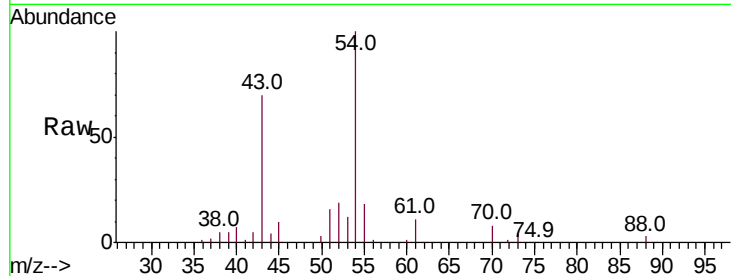
#43
Ethyl Acetate
Concen: 20.645 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 85190
Ion Ratio Lower Upper
43 100
45 15.7 0.0 0.0#

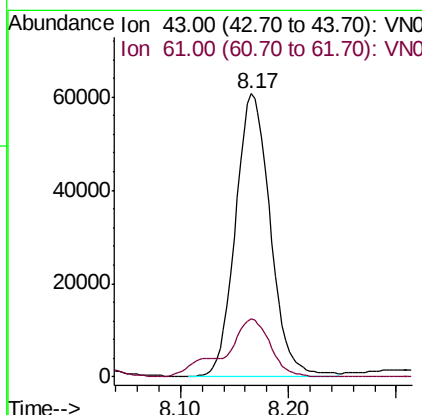
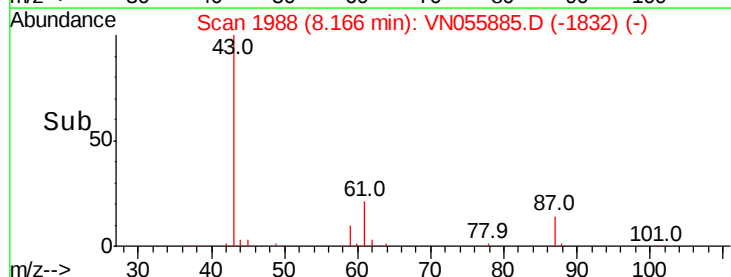
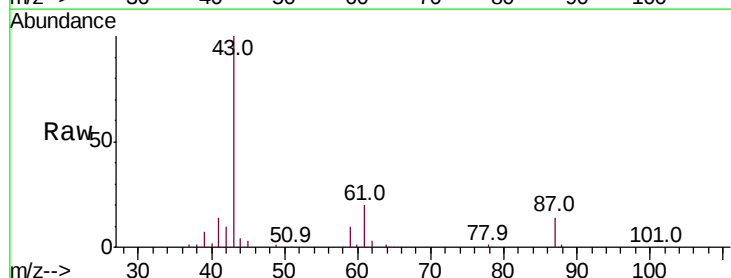
Manual Integrations
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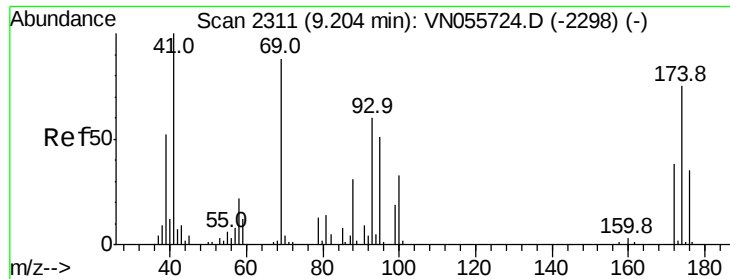
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.855 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 43 Resp: 135668
Ion Ratio Lower Upper
43 100
61 20.6 22.1 33.1#





#45

1,4-Dioxane

Concen: 412.193 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

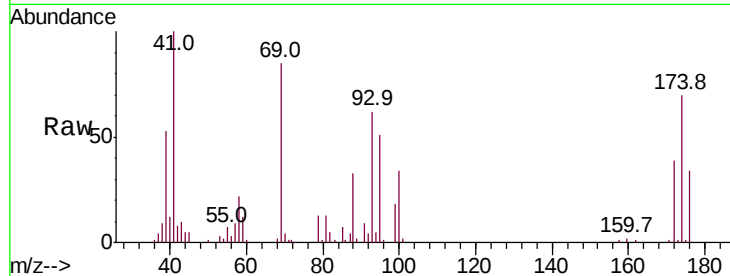
ClientSampleId :

VSTDCCC020EC

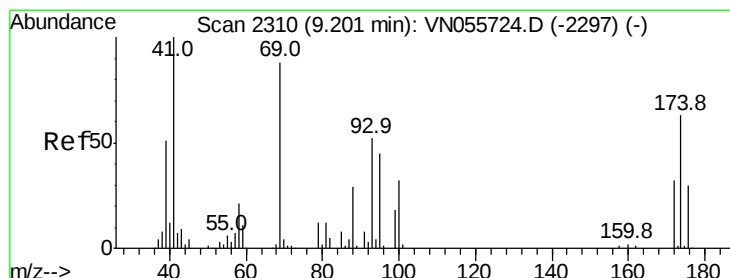
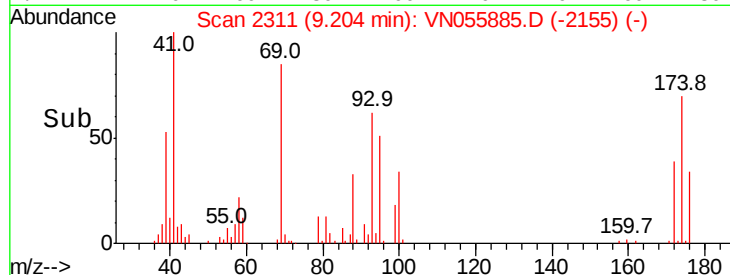
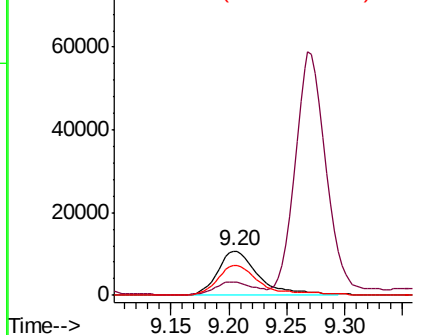
Tot Ion:	88	Resp:	26497
Ion	Ratio	Lower	Upper
88	100		
43	26.8	20.5	30.7
58	66.9	56.1	84.1

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Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#46

Methyl methacrylate

Concen: 19.391 ug/l

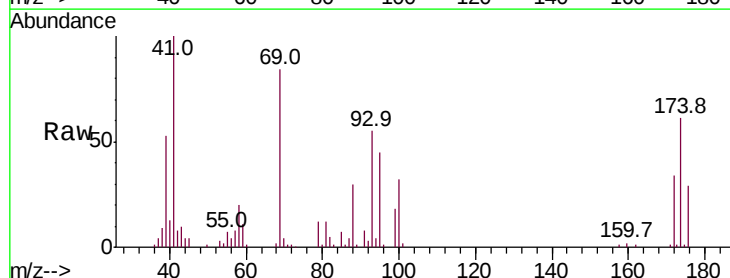
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

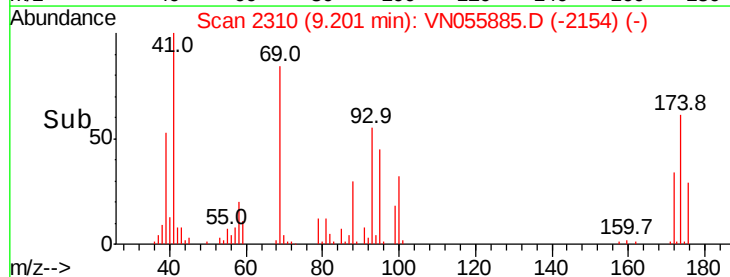
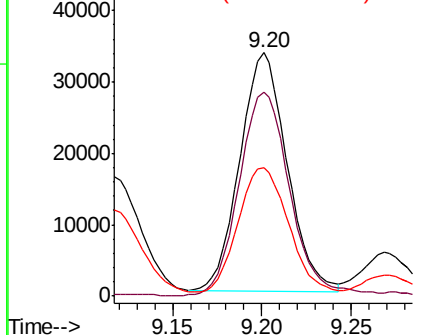
Lab File: VN055885.D

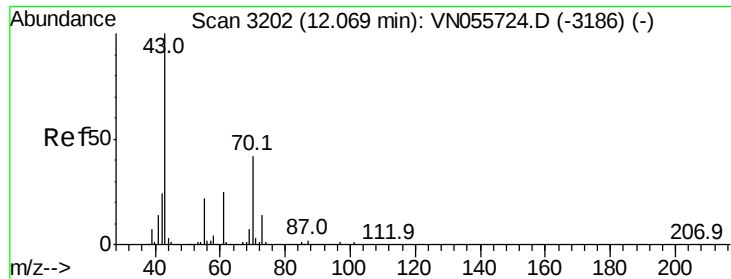
Acq: 29 May 2019 18:18

Tgt Ion:	41	Resp:	61820
Ion	Ratio	Lower	Upper
41	100		
69	85.3	43.8	131.4
39	52.6	25.6	76.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





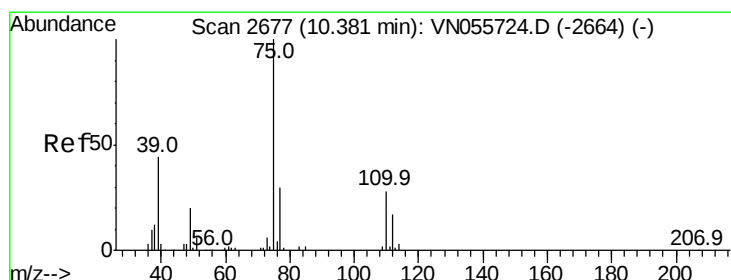
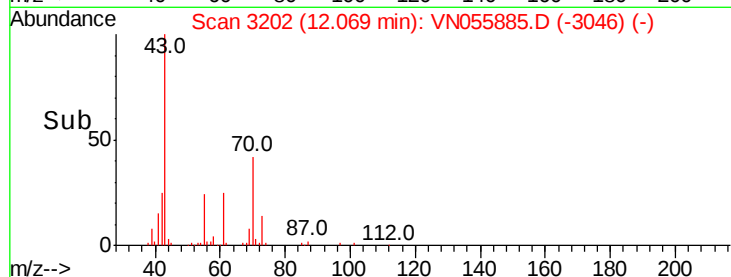
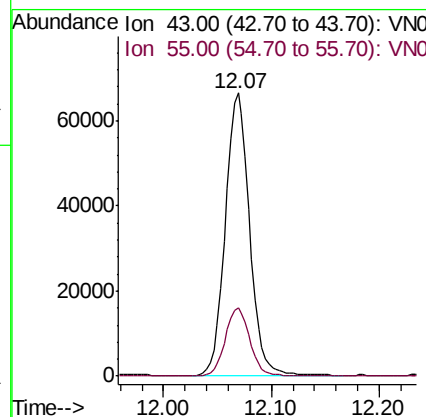
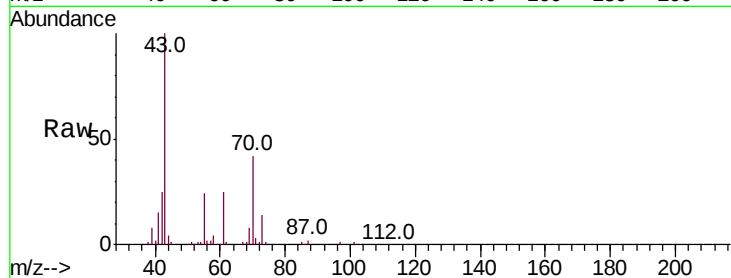
#47
n-amvl Acetate
Concen: 18.504 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 104579
Ion Ratio Lower Upper
43 100
55 24.2 17.8 26.6

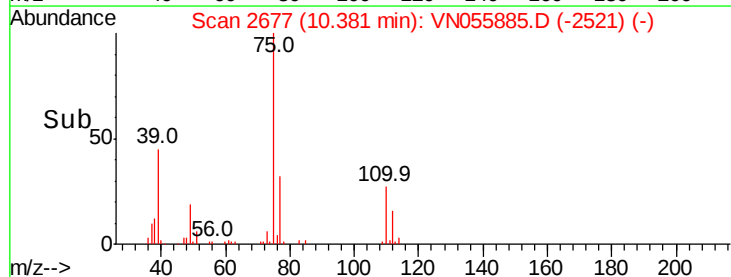
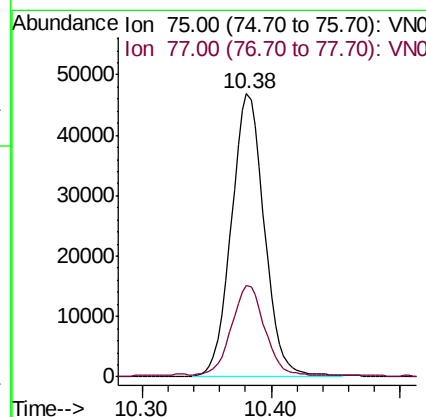
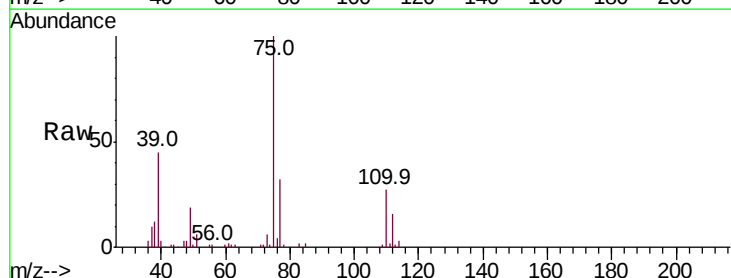
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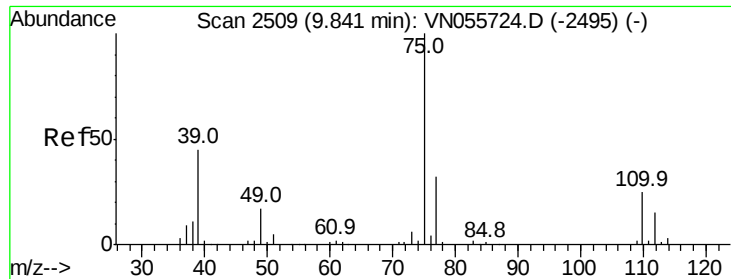
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#48
t-1,3-Dichloropropene
Concen: 17.444 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 75 Resp: 83303
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8





#49

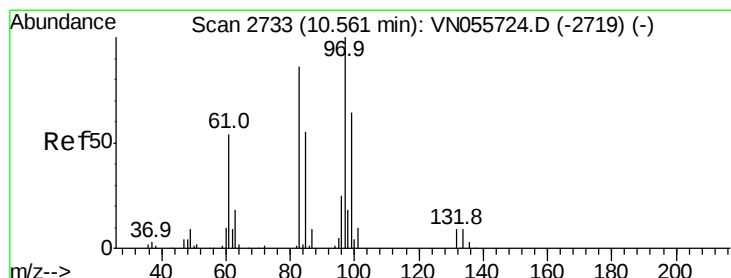
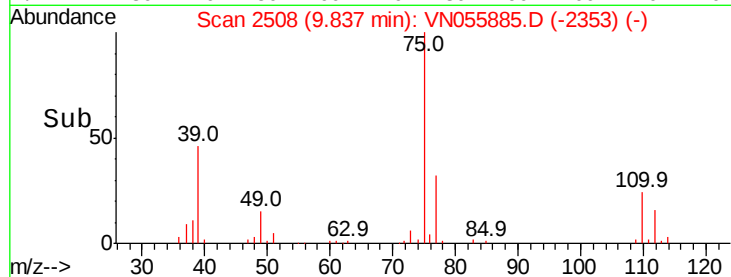
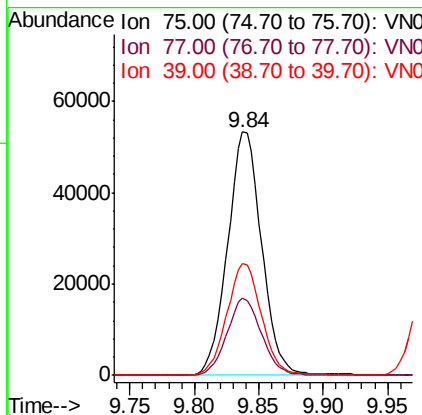
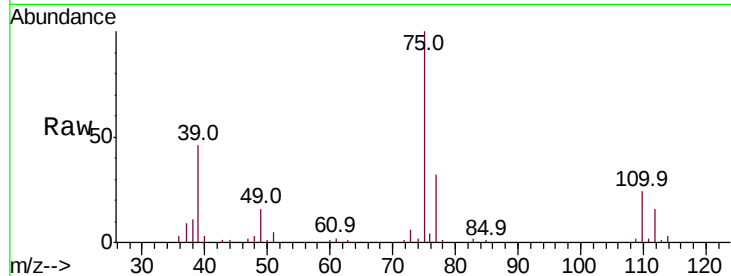
cis-1,3-Dichloropropene
 Concen: 18.723 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.0	39.0
39	46.0	36.2	54.4

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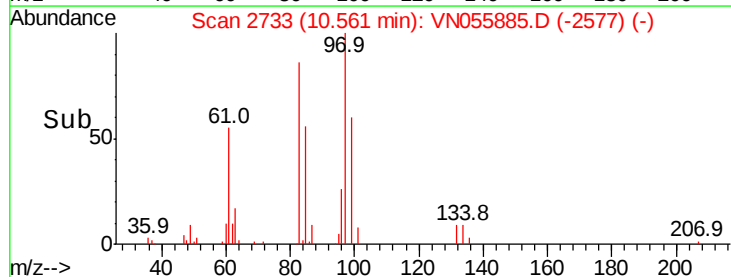
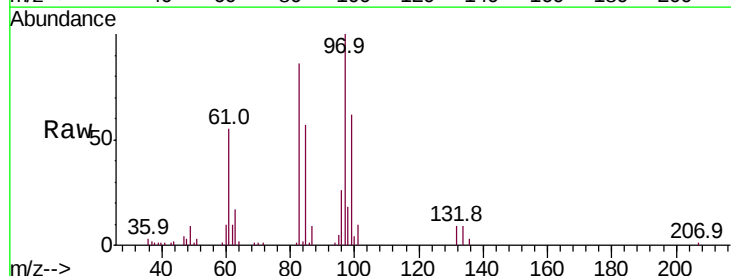
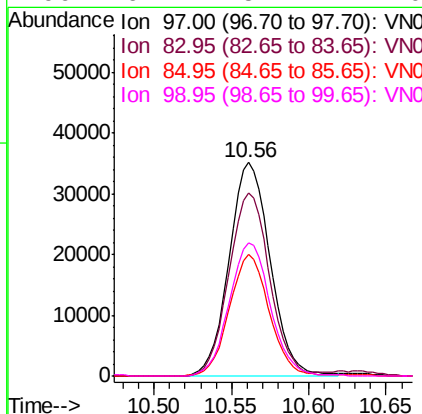
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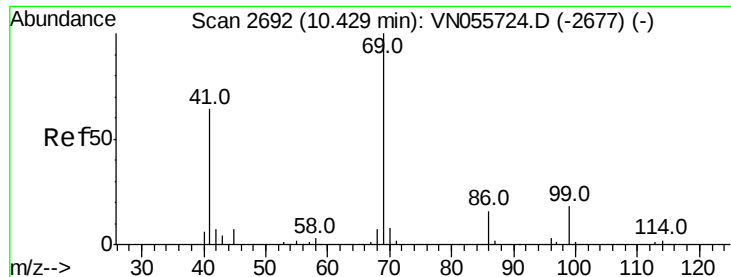


#50

1,1,2-Trichloroethane
 Concen: 21.118 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.9	103.3
85	56.4	44.3	66.5
99	62.4	51.4	77.0





#51

Ethyl methacrylate

Concen: 19.567 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

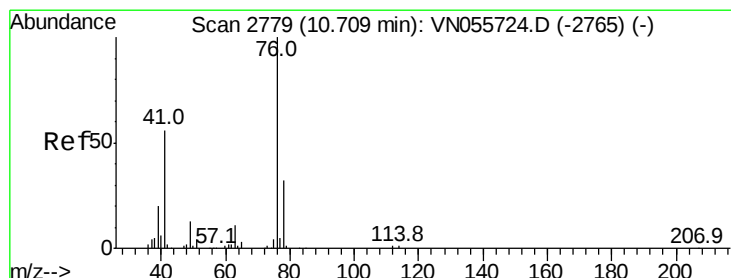
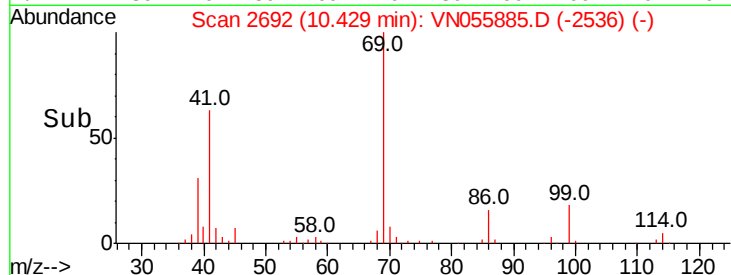
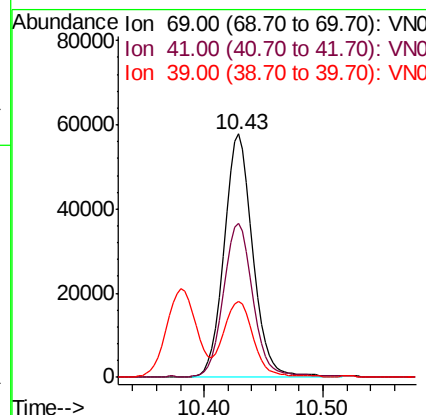
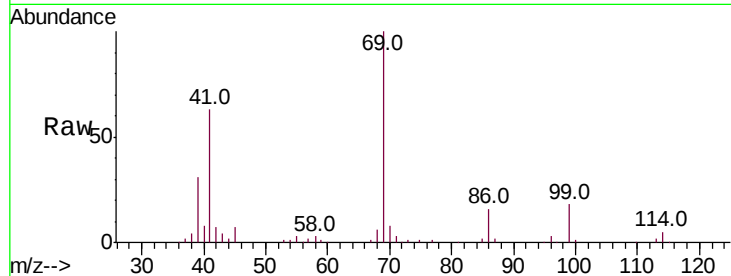
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	96917
Ion Ratio	Lower	Upper	
69	100		
41	62.9	31.9	95.7
39	31.0	15.7	47.0

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#52

1,3-Dichloropropane

Concen: 20.755 ug/l

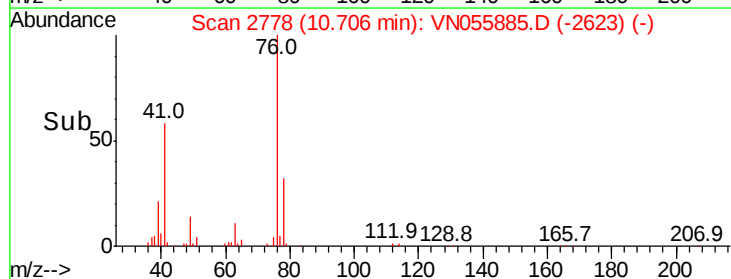
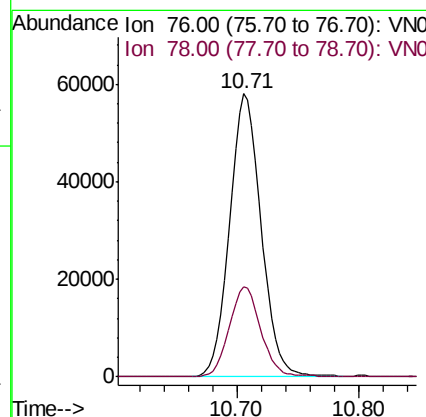
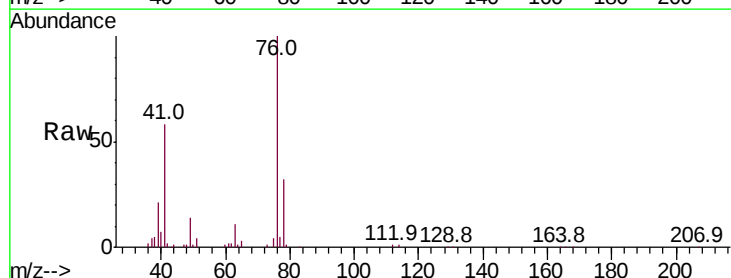
RT: 10.71 min Scan# 2778

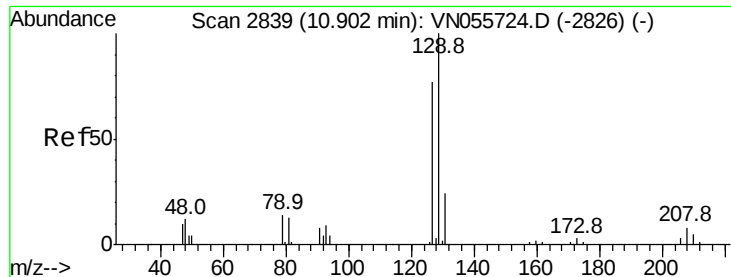
Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Tgt Ion:	76	Resp:	105128
Ion Ratio	Lower	Upper	
76	100		
78	31.5	0.0	65.0





#53

Dibromochloromethane

Concen: 17.631 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 64002

Ion Ratio Lower Upper

129 100

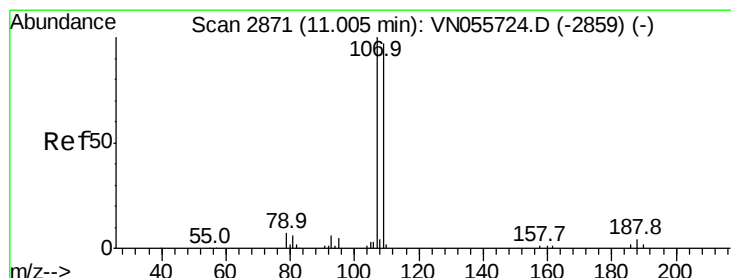
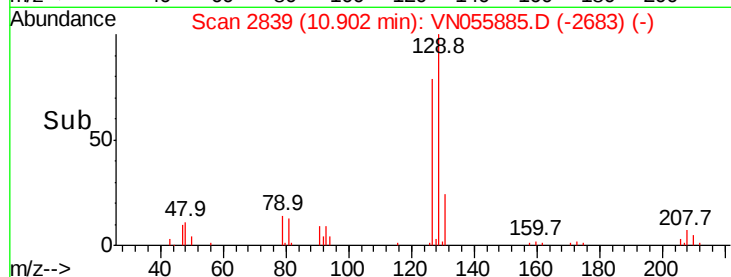
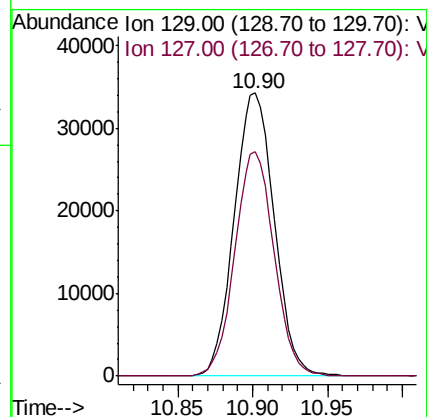
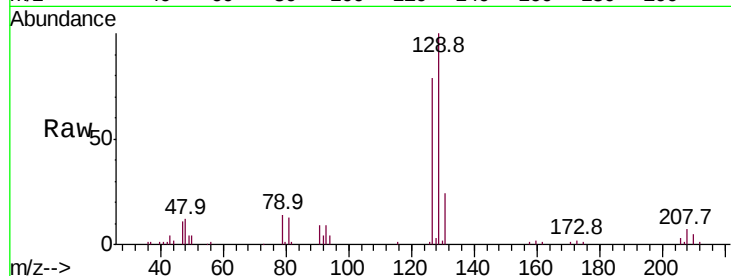
127 77.5 39.2 117.6

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#54

1,2-Dibromoethane

Concen: 20.649 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055885.D

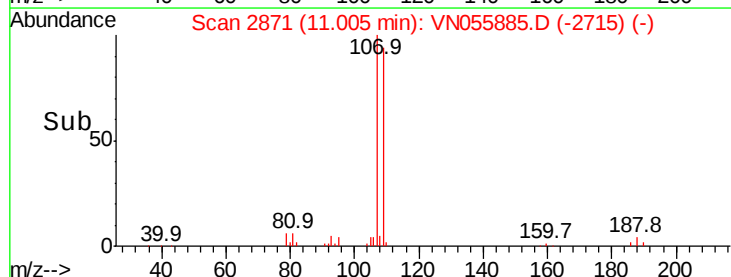
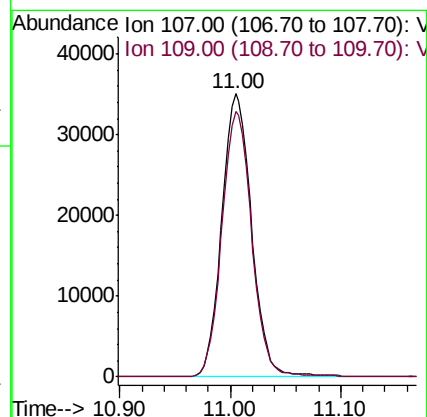
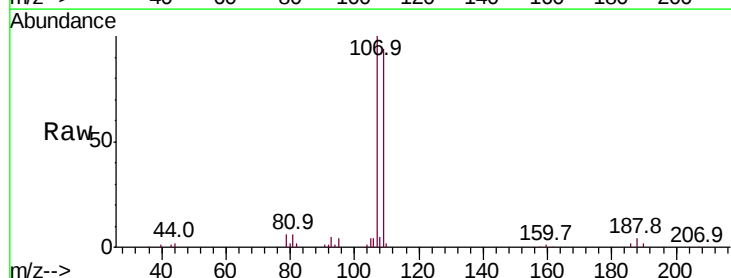
Acq: 29 May 2019 18:18

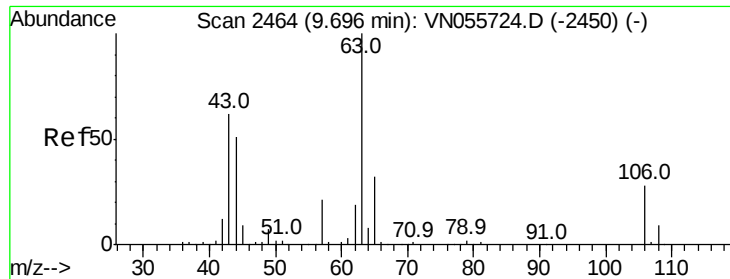
Tgt Ion:107 Resp: 65660

Ion Ratio Lower Upper

107 100

109 93.7 76.6 115.0





#55

2-Chloroethyl vinyl ether

Concen: 87.251 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

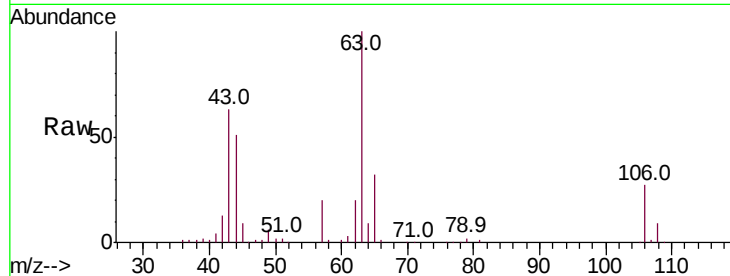
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	168147
Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.4	38.0
106	27.5	22.1	33.1

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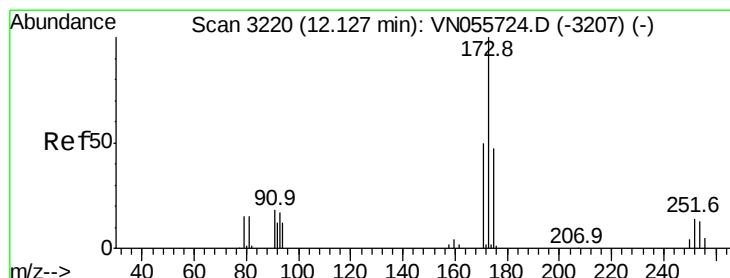
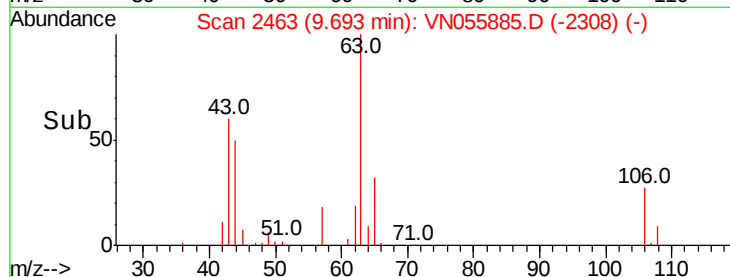
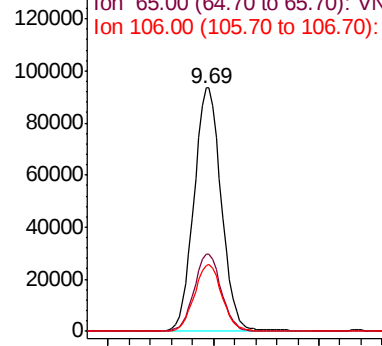


Abundance

Ion 63.00 (62.70 to 63.70): VN055724.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN055724.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN055724.D (-2450) (-)



#56

Bromoform

Concen: 15.438 ug/l

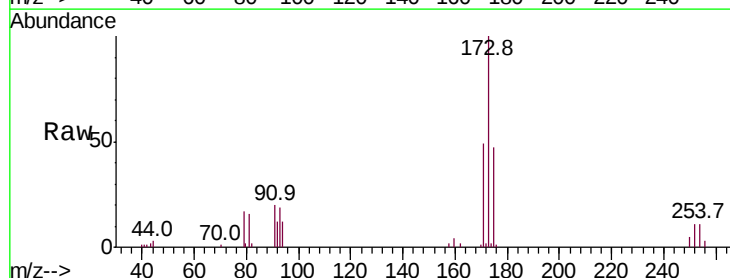
RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Tgt Ion:	173	Resp:	45970
Ion	Ratio	Lower	Upper
173	100		
175	47.3	38.5	57.7
254	6.6	9.4	14.0#

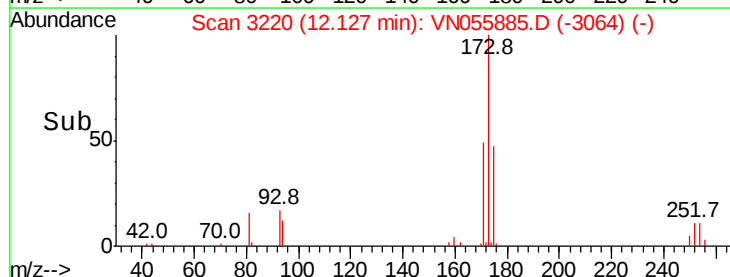
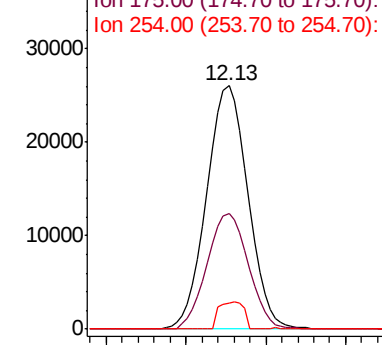


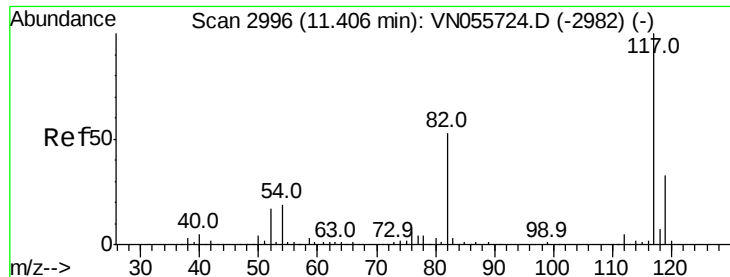
Abundance

Ion 173.00 (172.70 to 173.70): VN055724.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN055724.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN055724.D (-3207) (-)





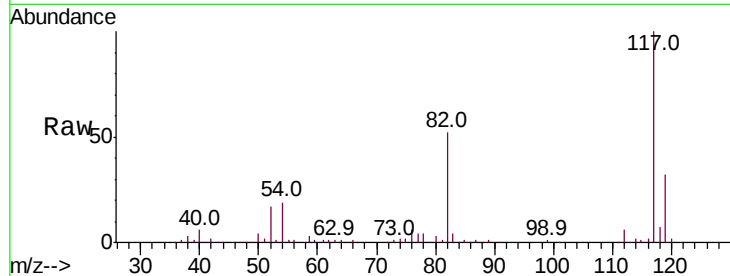
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

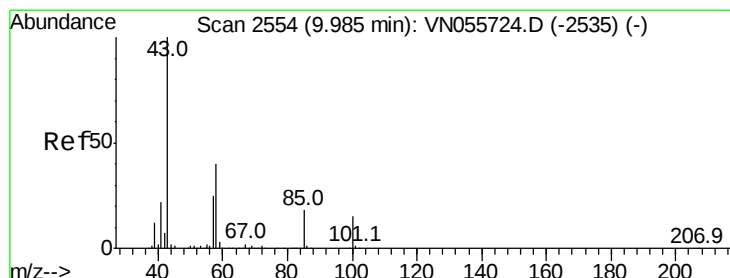
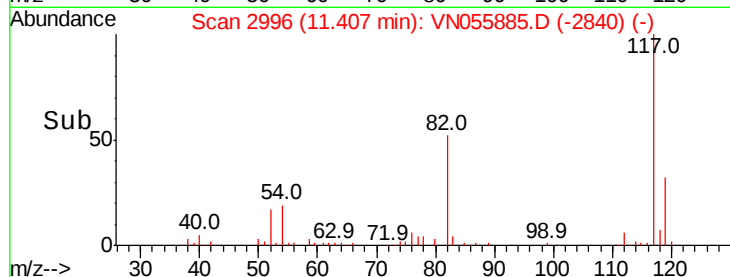
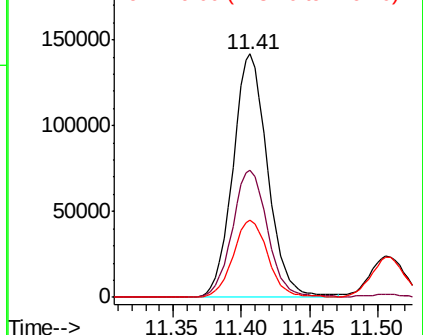
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	64.0
119	32.0	25.9	38.9

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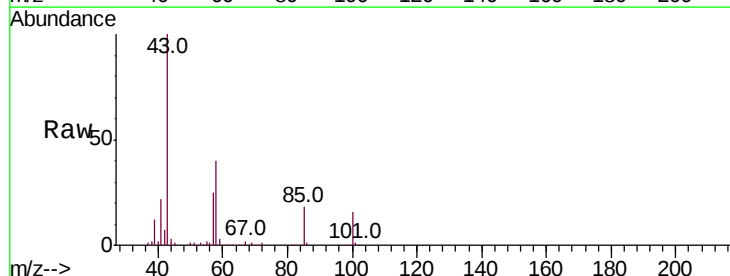


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

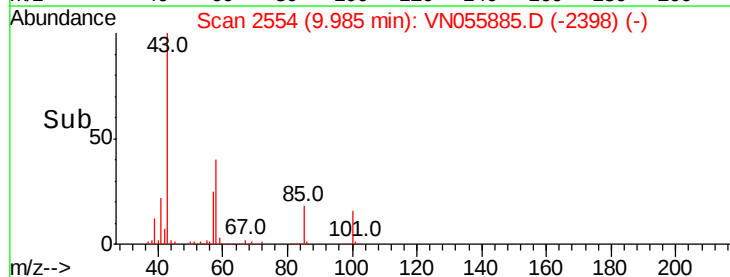
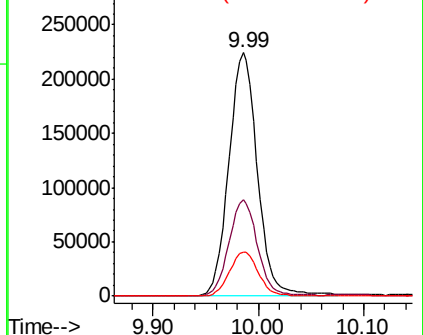


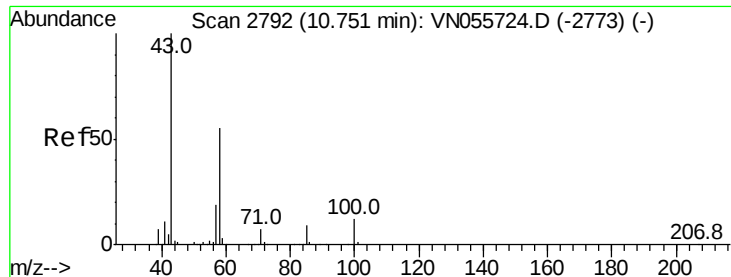
#58
4-Methyl-2-Pentanone
Concen: 101.074 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.7	47.5
85	18.5	14.5	21.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO





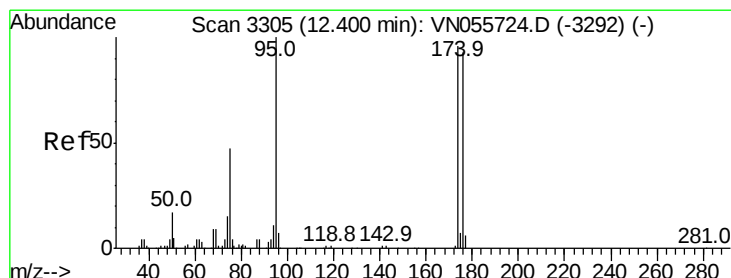
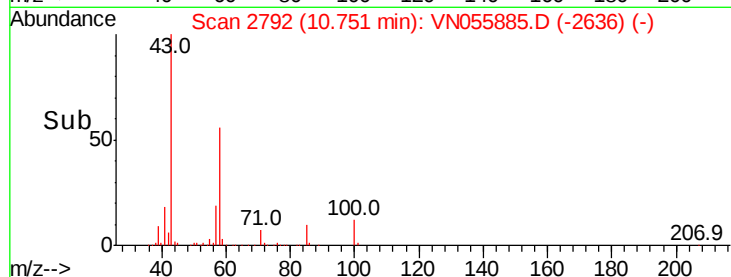
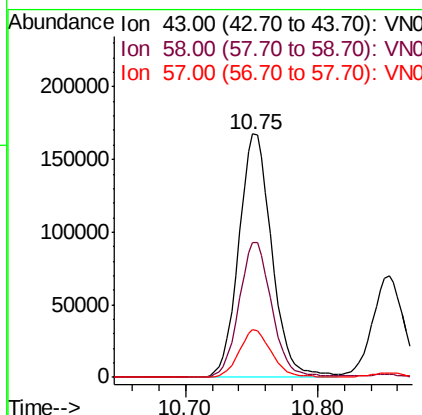
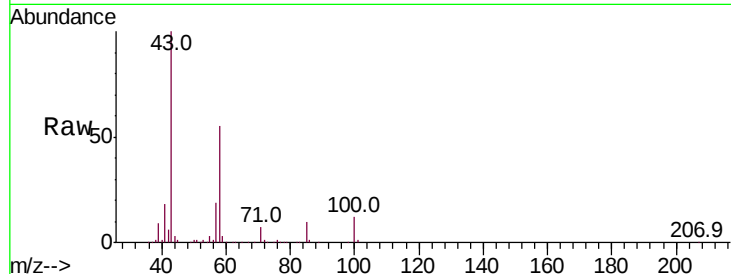
#59
2-Hexanone
Concen: 97.751 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	44.8	67.2
57	19.1	15.3	22.9

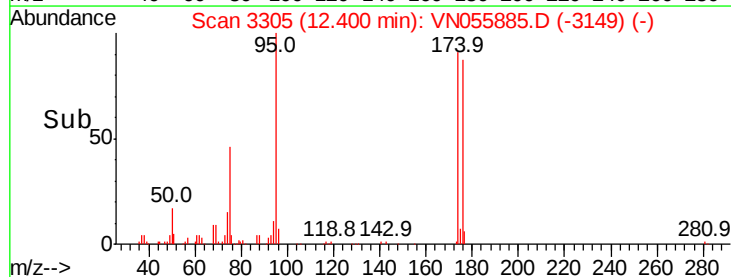
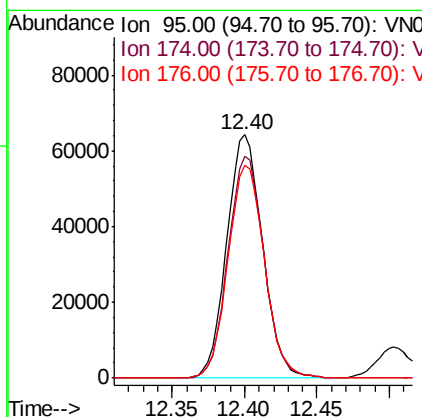
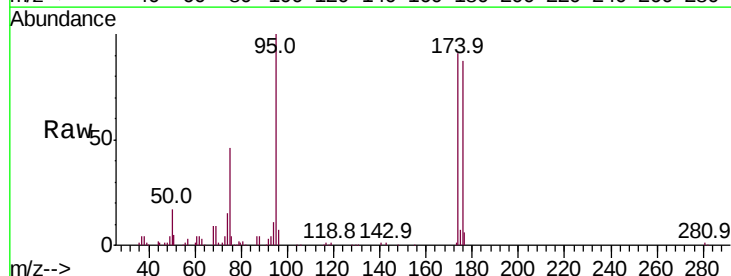
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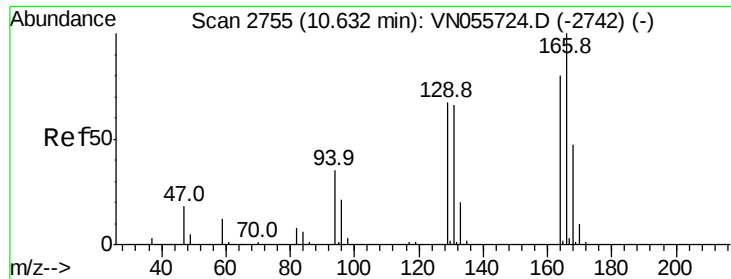
MMDadoda
5/30/2019 9:35:29 AM



#60
4-Bromofluorobenzene
Concen: 28.343 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	75.7	113.5
176	88.8	74.1	111.1





#61

Tetrachloroethene

Concen: 20.408 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 69288

Ion Ratio Lower Upper

164 100

166 131.6 100.6 150.8

129 88.7 67.4 101.2

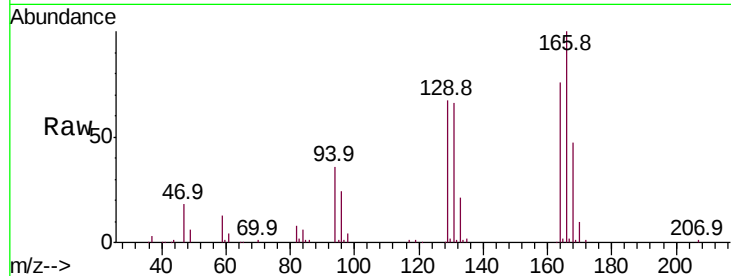
131 87.3 66.6 99.8

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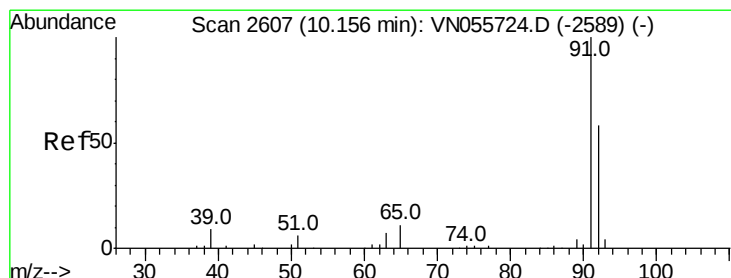
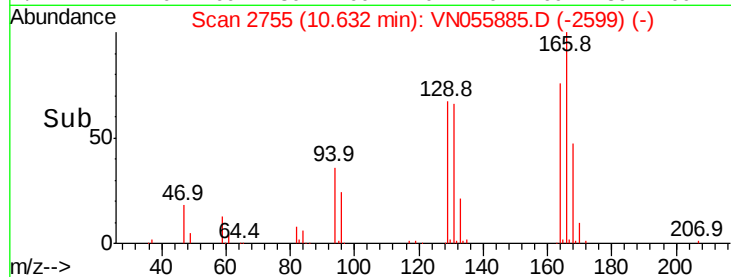
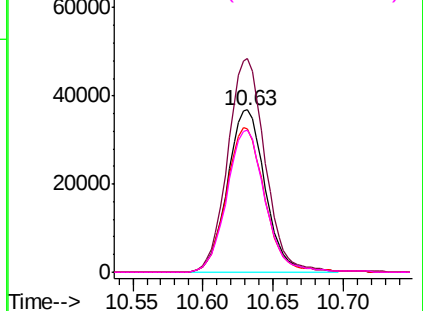


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.531 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055885.D

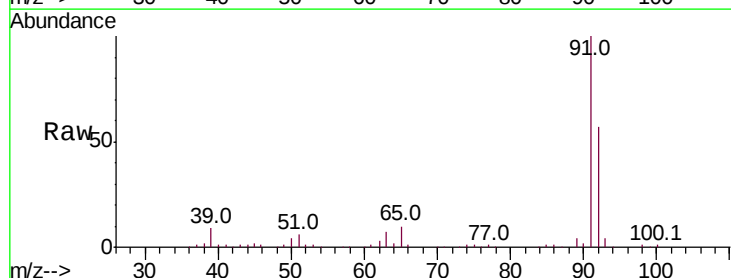
Acq: 29 May 2019 18:18

Tgt Ion: 91 Resp: 276898

Ion Ratio Lower Upper

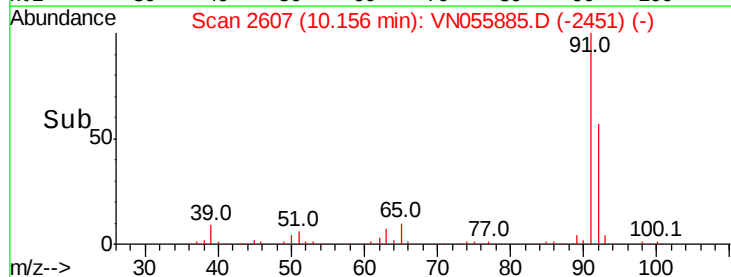
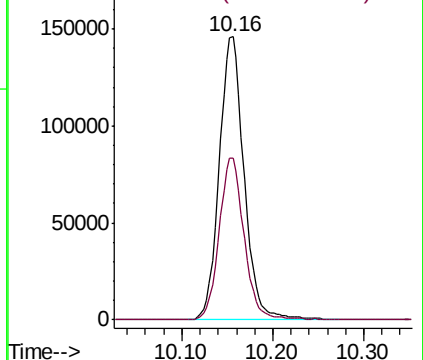
91 100

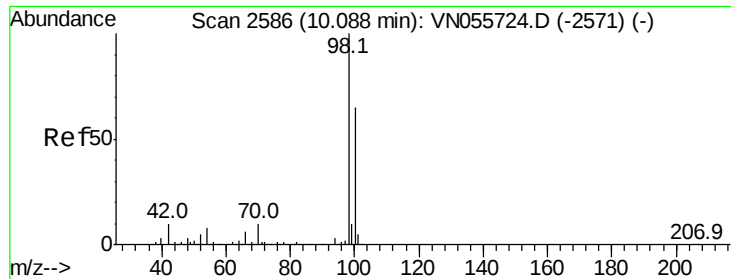
92 57.2 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.586 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 350556

Ion Ratio Lower Upper

98 100

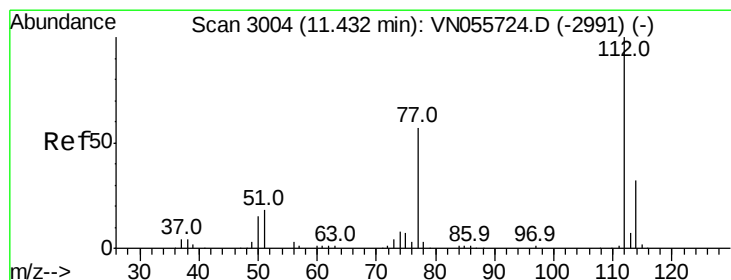
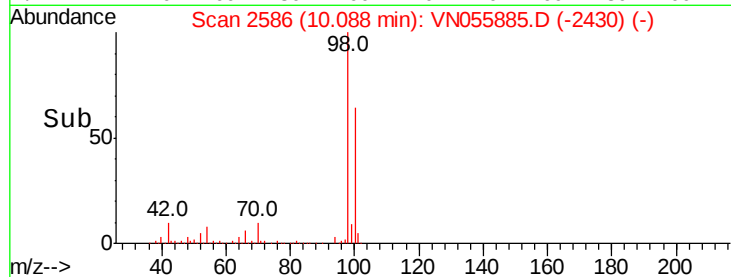
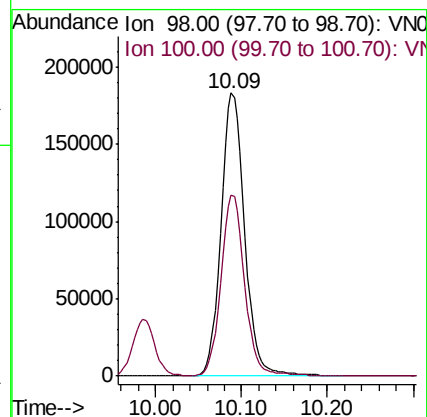
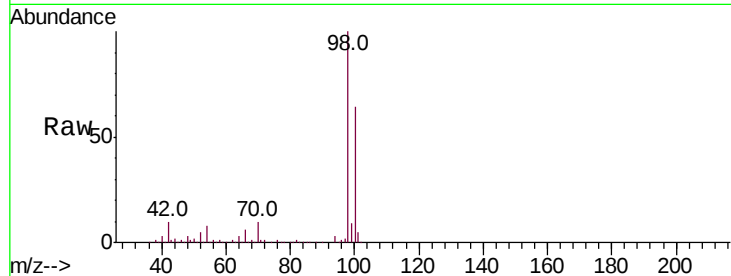
100 64.1 51.6 77.4

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#64

Chlorobenzene

Concen: 20.264 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055885.D

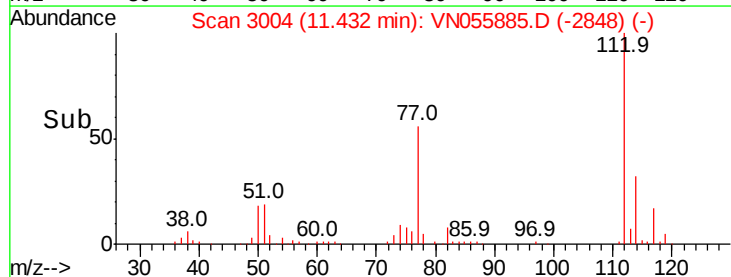
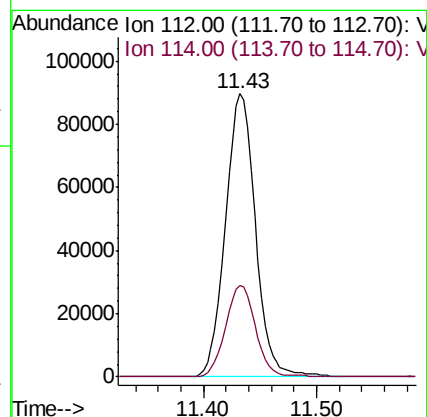
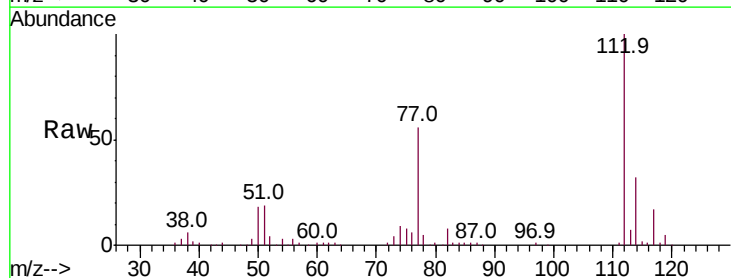
Acq: 29 May 2019 18:18

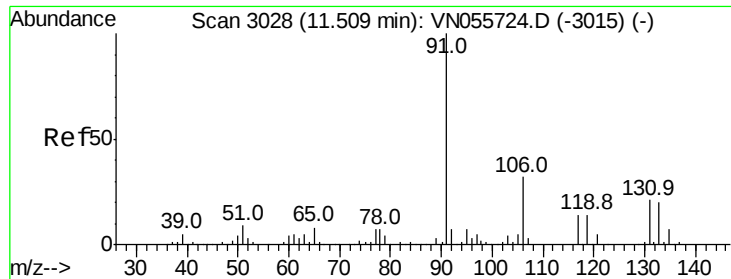
Tgt Ion: 112 Resp: 165782

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 18.574 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

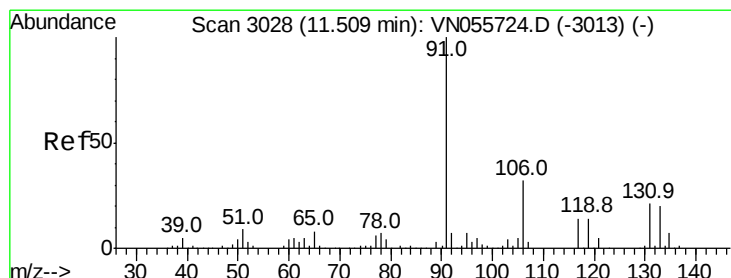
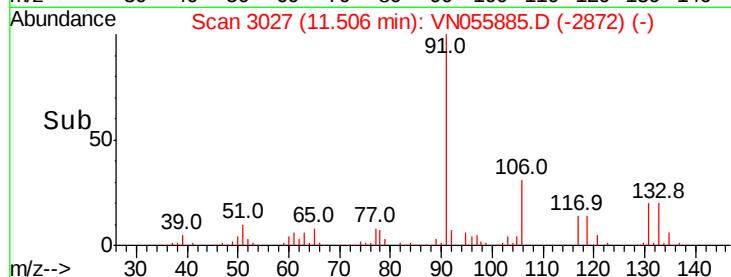
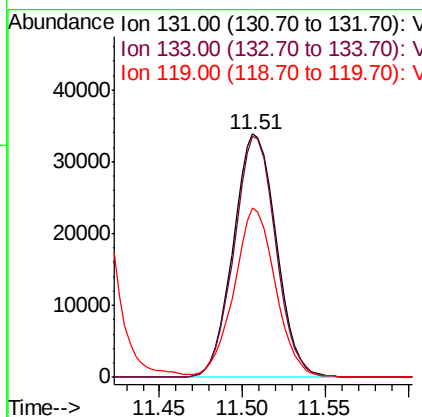
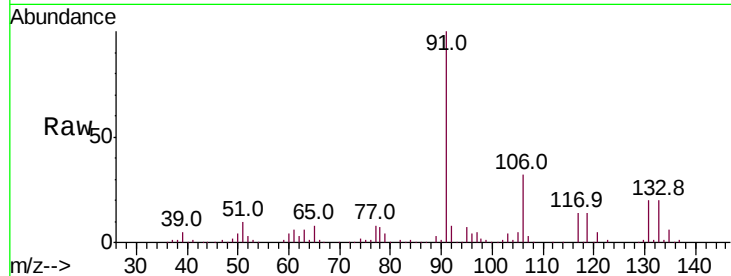
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	61226
Ion	Ratio	Lower	Upper
131	100		
133	96.1	0.0	188.8
119	67.3	0.0	133.6

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#66

Ethyl Benzene

Concen: 20.060 ug/l

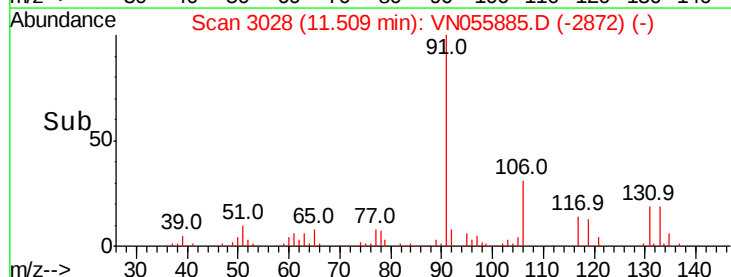
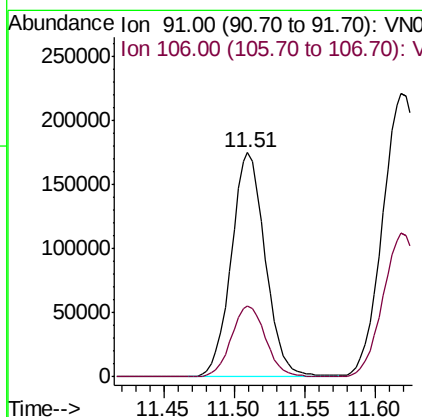
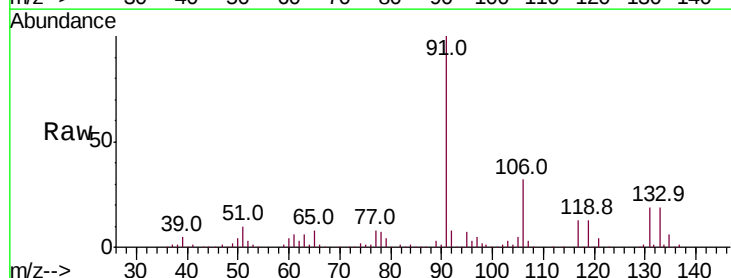
RT: 11.51 min Scan# 3028

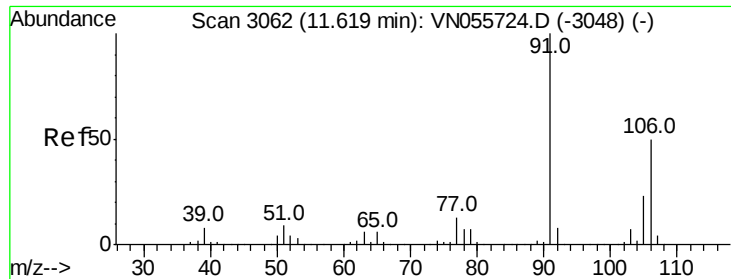
Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Tgt Ion:	91	Resp:	295595
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.6	38.4





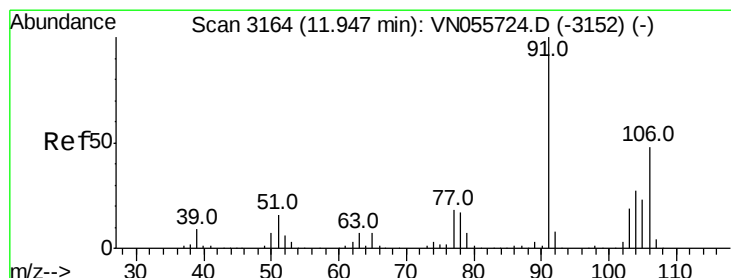
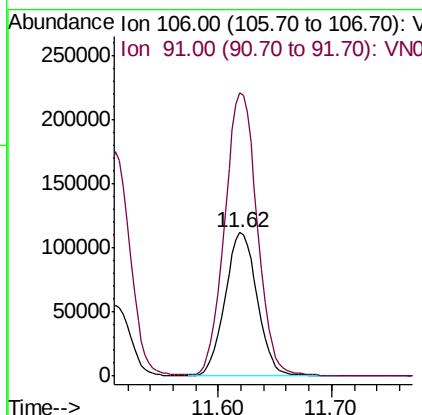
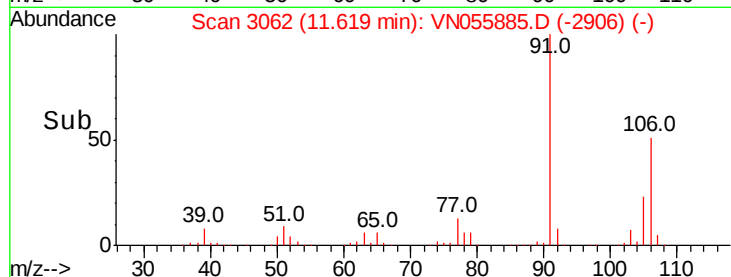
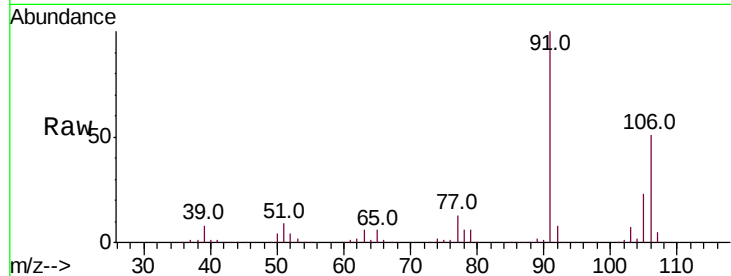
#67
m/p-Xylenes
Concen: 39.626 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 221822
Ion Ratio Lower Upper
106 100
91 199.6 159.5 239.3

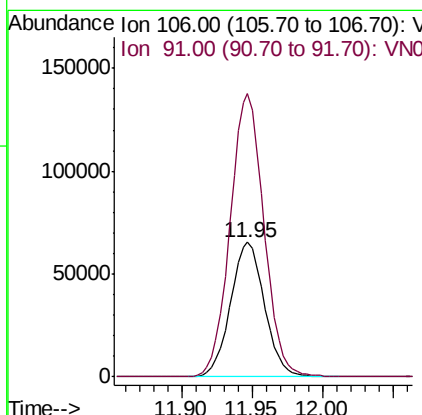
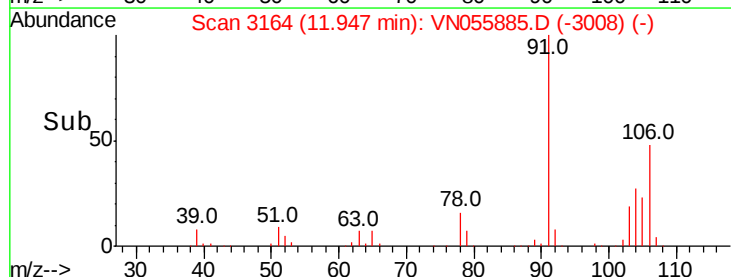
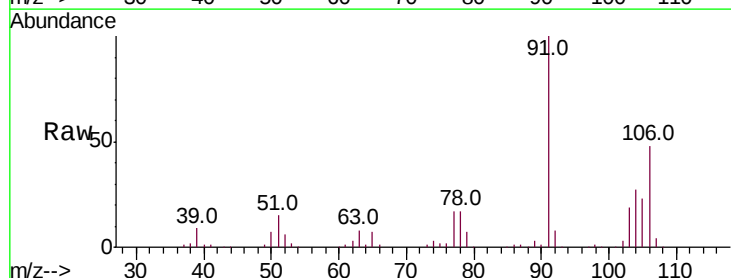
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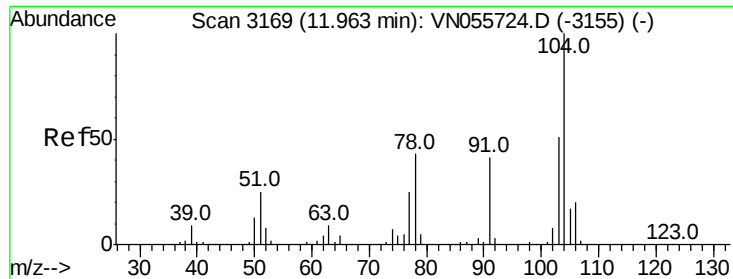
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#68
o-Xylene
Concen: 19.927 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion:106 Resp: 110386
Ion Ratio Lower Upper
106 100
91 208.9 105.4 316.1





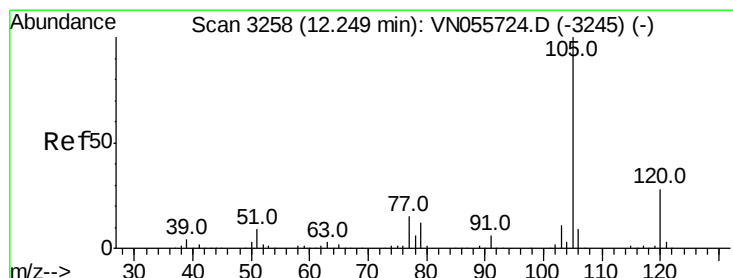
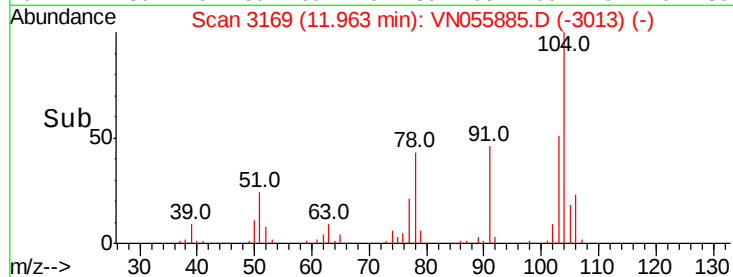
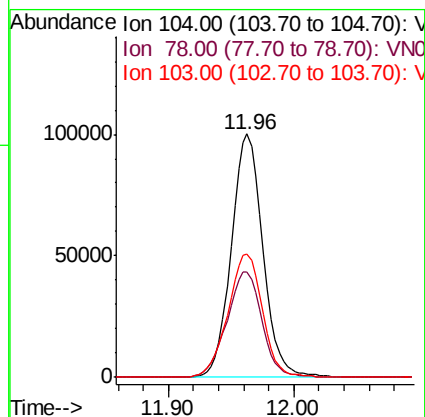
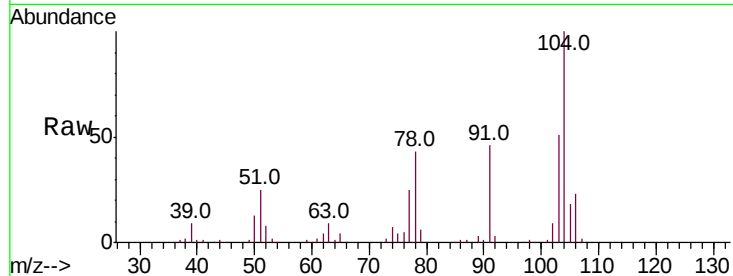
#69
Stvrene
Concen: 19.148 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.7	58.1
103	55.6	45.0	67.6

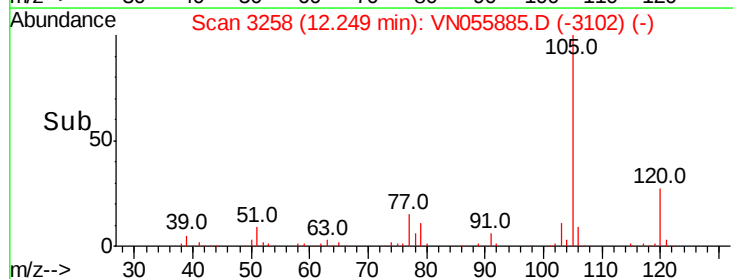
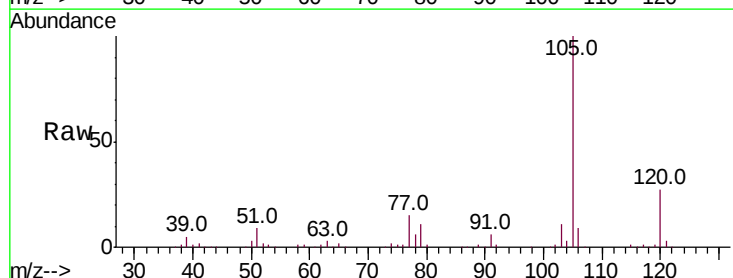
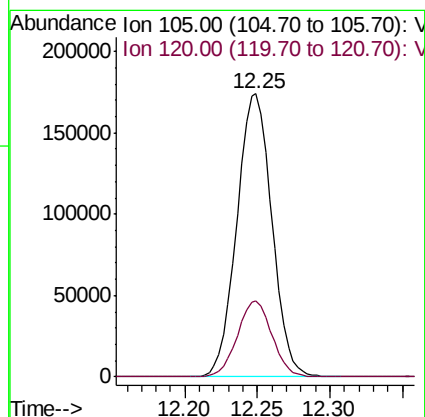
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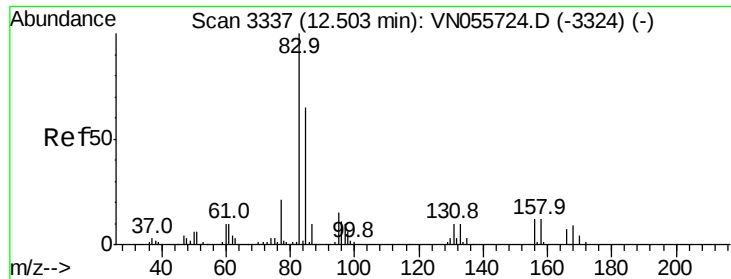
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#70
Isopropylbenzene
Concen: 20.155 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.2	35.6





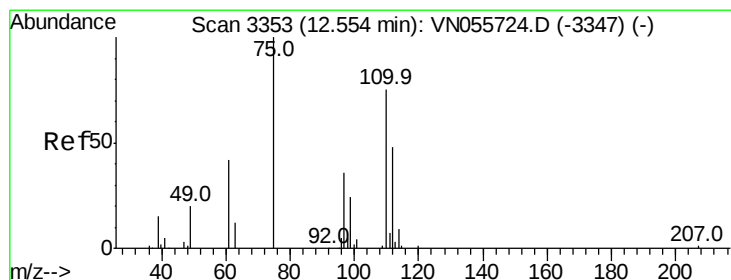
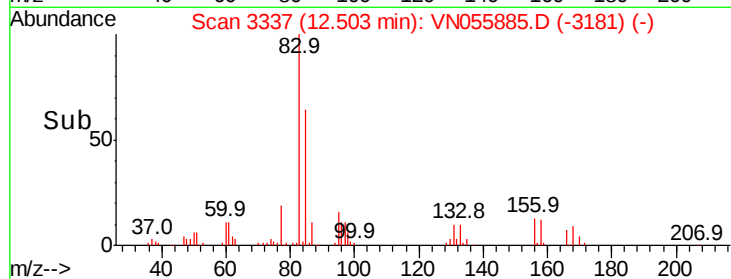
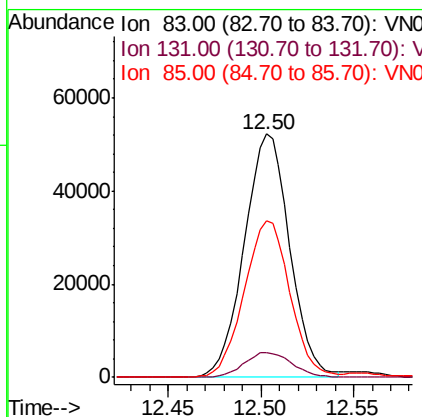
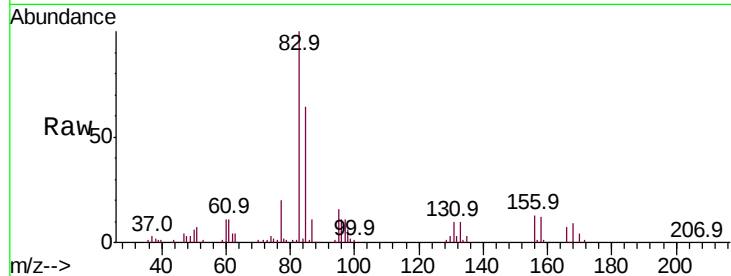
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.001 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	89216
Ion Ratio	100	Lower	Upper
131	10.8	5.3	15.8
85	64.7	32.3	96.9

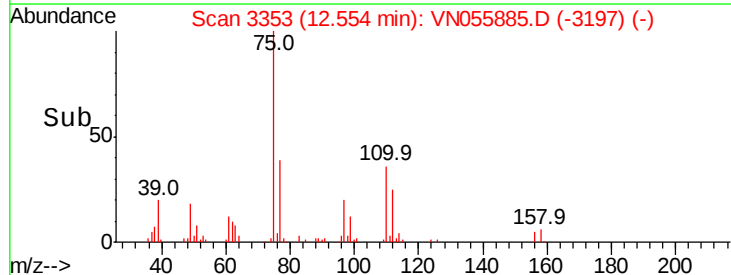
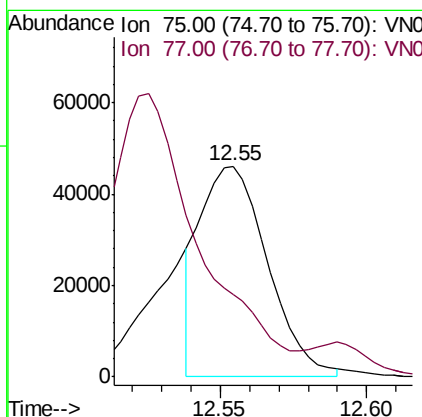
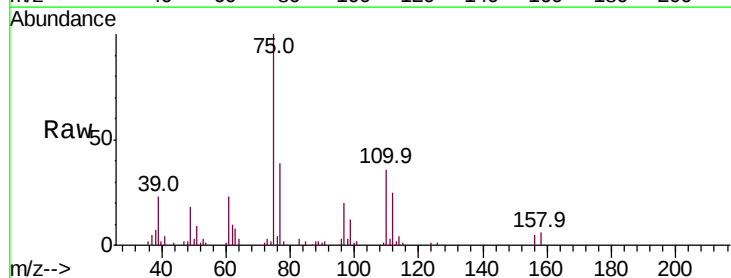
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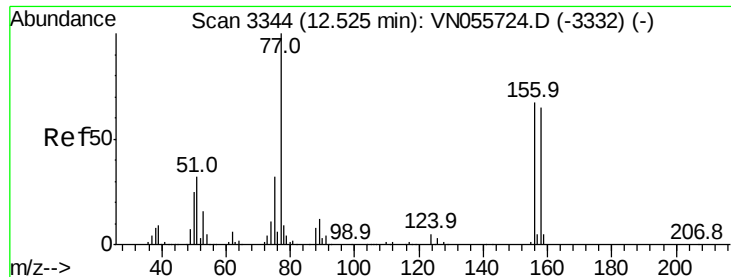
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#72
 1,2,3-Trichloropropane
 Concen: 19.201 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion	75	Resp	73714
Ion Ratio	100	Lower	Upper
77	183.5	0.0	349.8





#73

Bromobenzene

Concen: 18.942 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

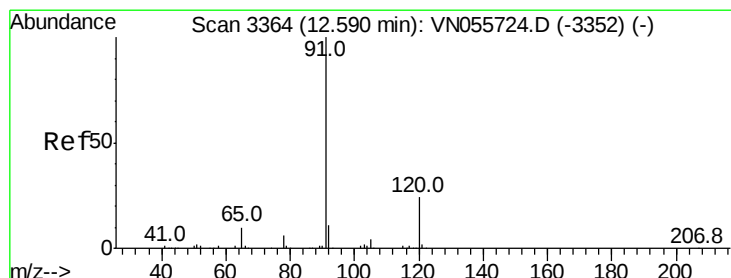
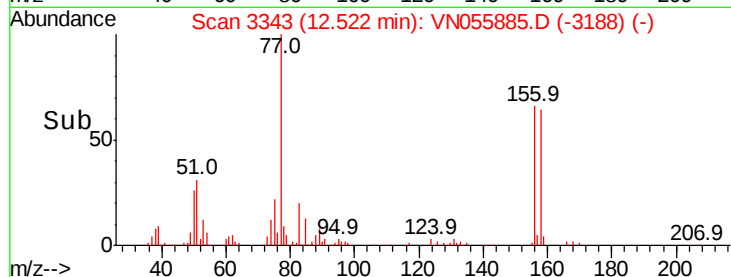
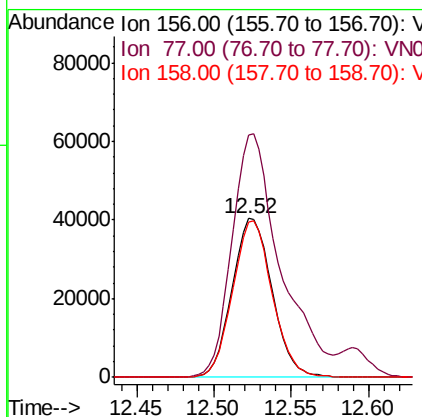
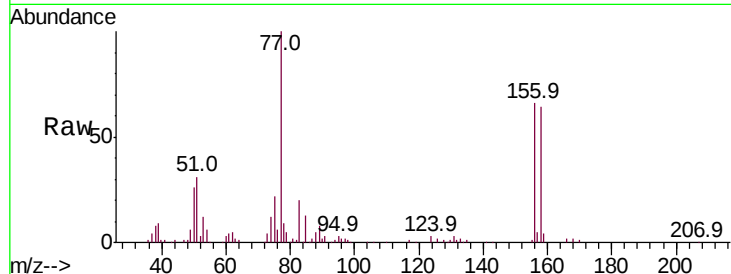
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	72632
Ion Ratio	Lower	Upper	
156	100		
77	186.2	0.0	368.0
158	97.5	0.0	195.0

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#74

n-propylbenzene

Concen: 19.451 ug/l

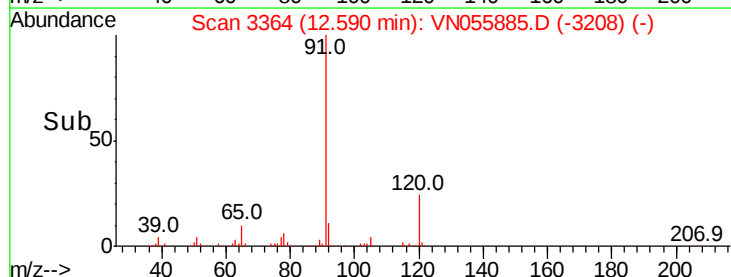
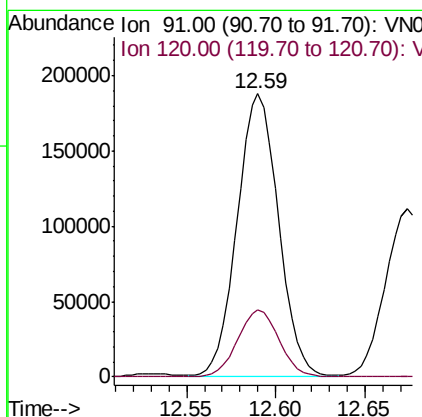
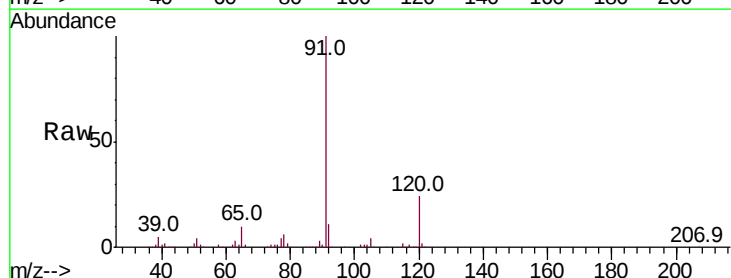
RT: 12.59 min Scan# 3364

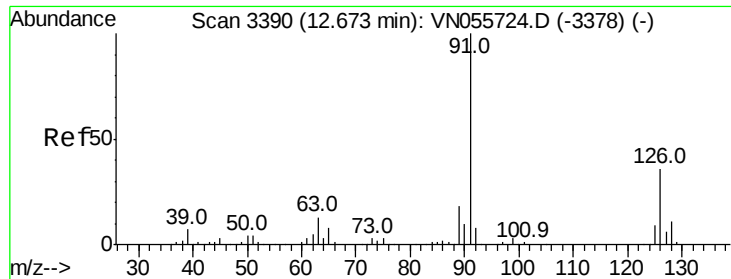
Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Tgt Ion:	91	Resp:	304048
Ion Ratio	Lower	Upper	
91	100		
120	23.6	0.0	47.4





#75

2-Chlorotoluene

Concen: 19.729 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 188391

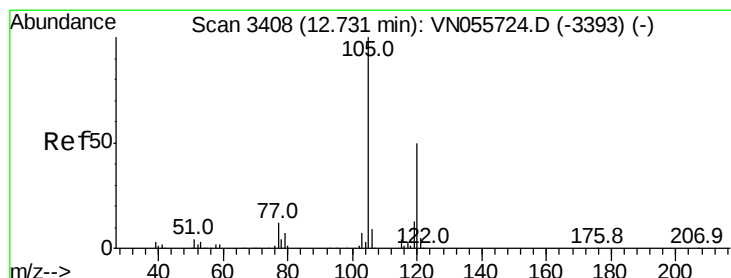
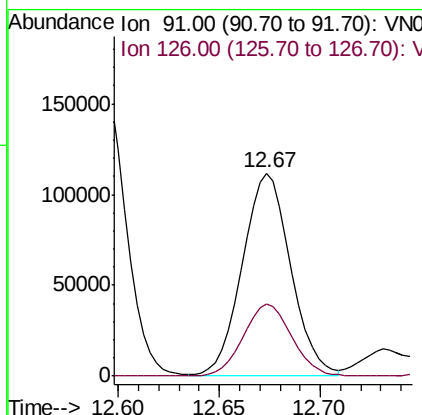
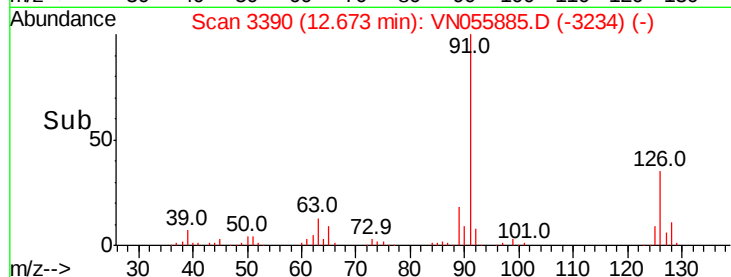
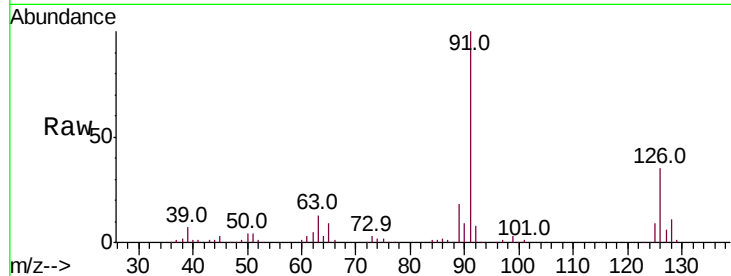
Ion Ratio Lower Upper

91 100

126 35.5 0.0 71.0

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#76

1,3,5-Trimethylbenzene

Concen: 19.544 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055885.D

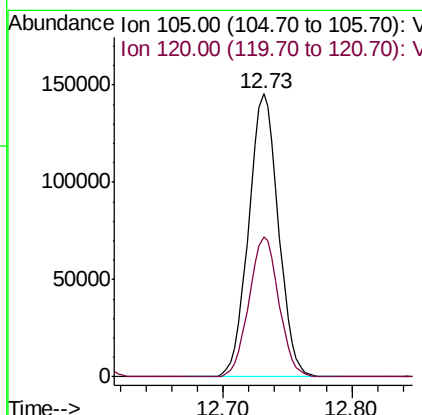
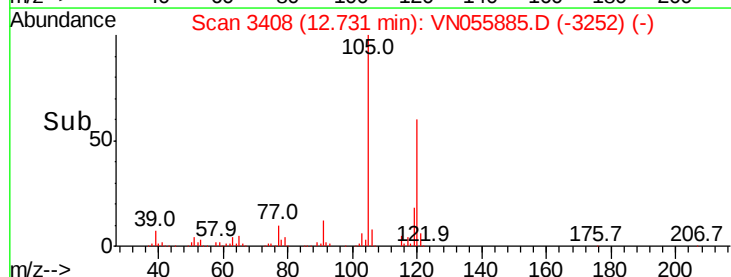
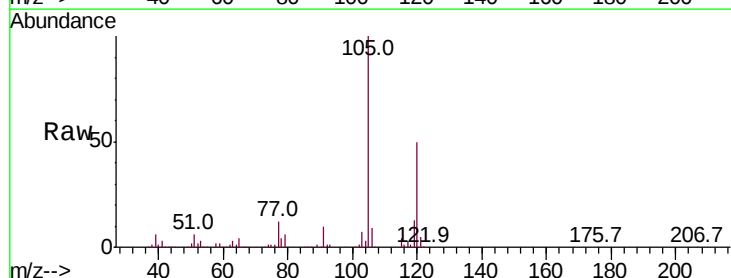
Acq: 29 May 2019 18:18

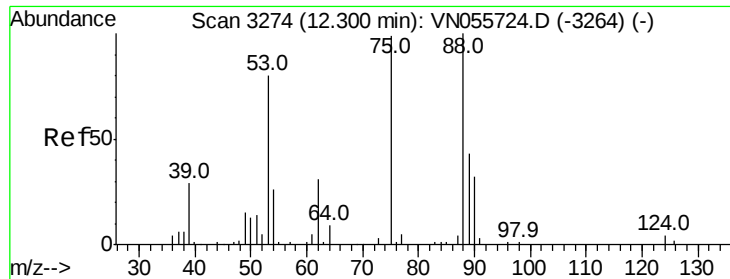
Tgt Ion: 105 Resp: 234149

Ion Ratio Lower Upper

105 100

120 49.7 0.0 99.2





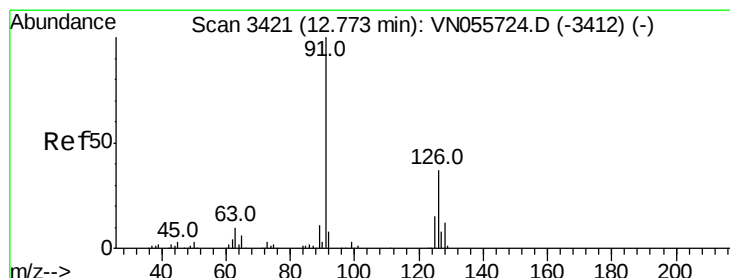
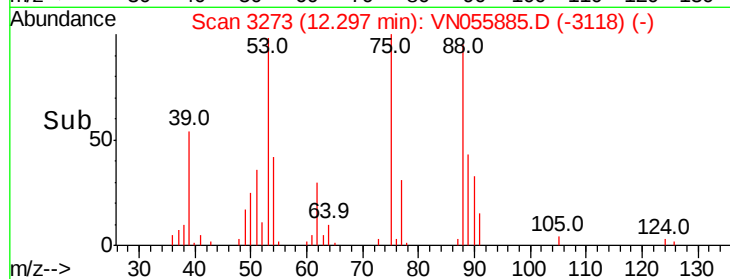
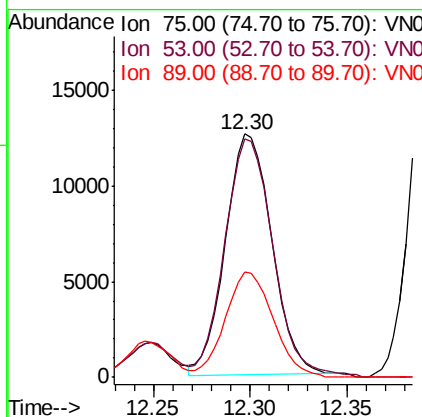
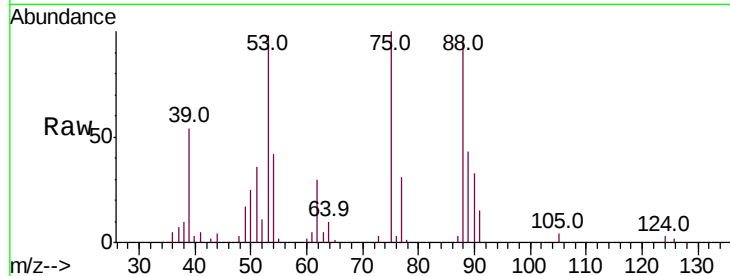
#77
t-1,4-Dichloro-2-butene
Concen: 13.790 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.1	40.1	120.3
89	43.9	22.6	67.8

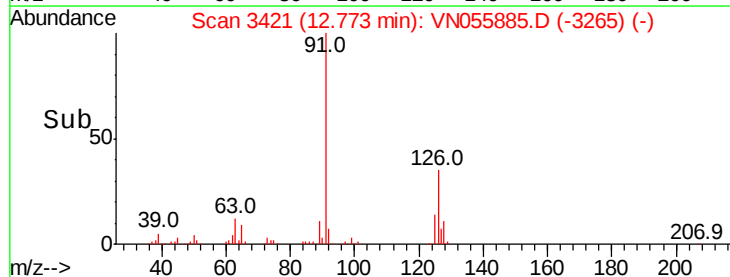
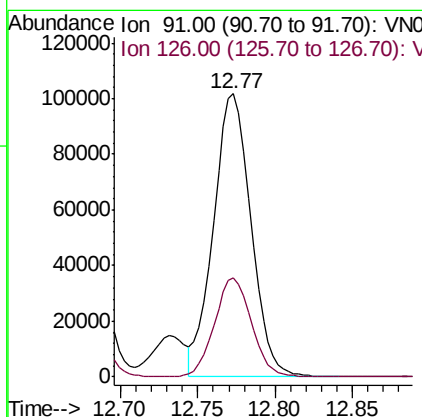
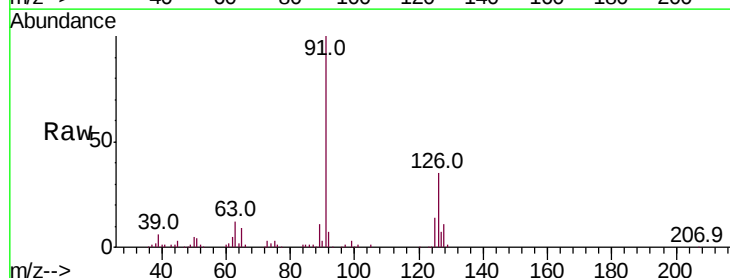
Manual Integrations
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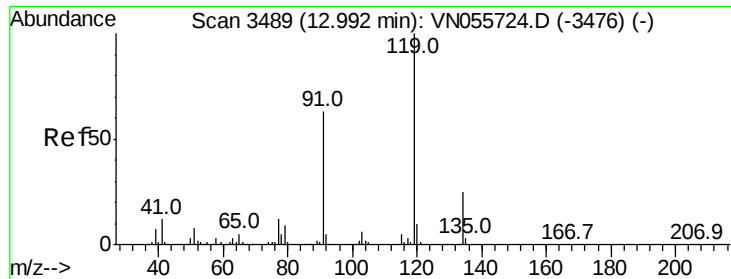
MMDadoda
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#78
4-Chlorotoluene
Concen: 18.994 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	69.0





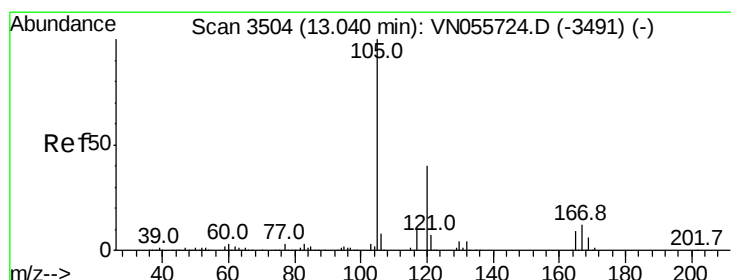
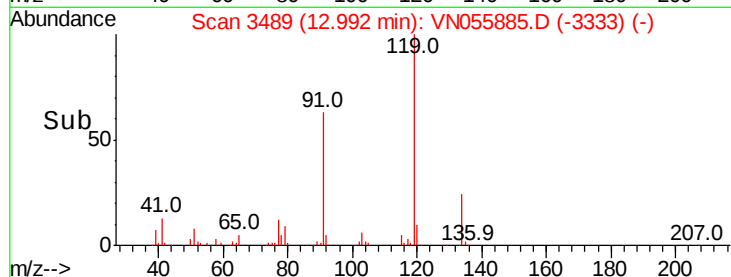
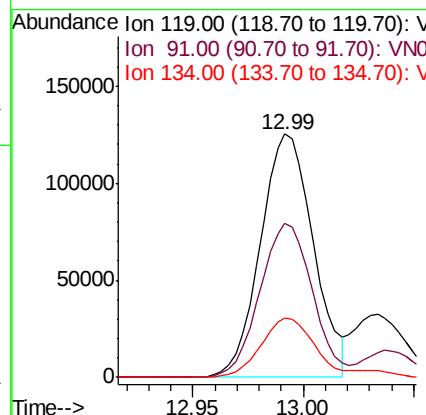
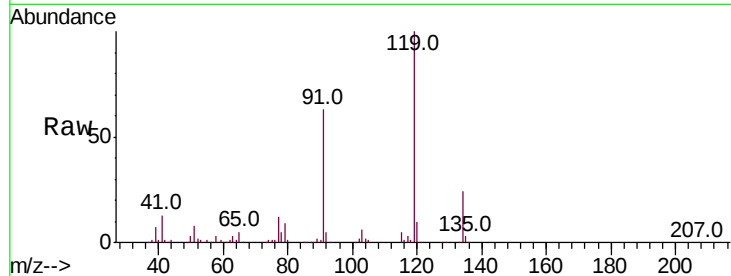
#79
tert-butylbenzene
Concen: 19.822 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	208772		
91	62.9		0.0	123.8
134	24.6		0.0	52.6

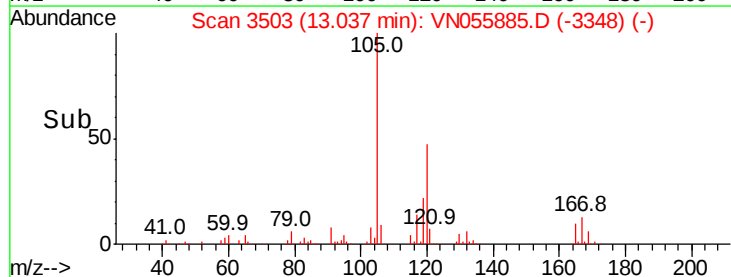
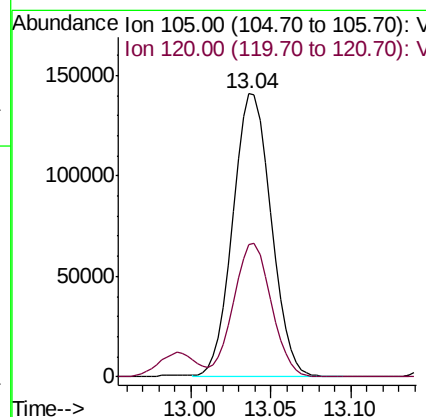
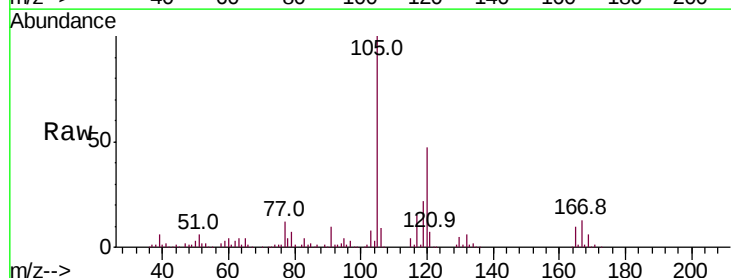
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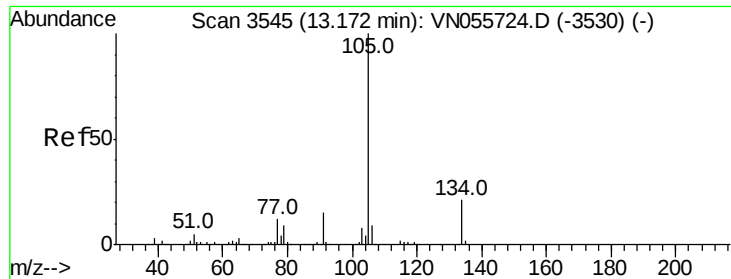
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#80
1,2,4-Trimethylbenzene
Concen: 19.375 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230430		
120	46.4		0.0	93.6





#81

sec-Butylbenzene

Concen: 19.971 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 267254

Ion Ratio Lower Upper

105 100

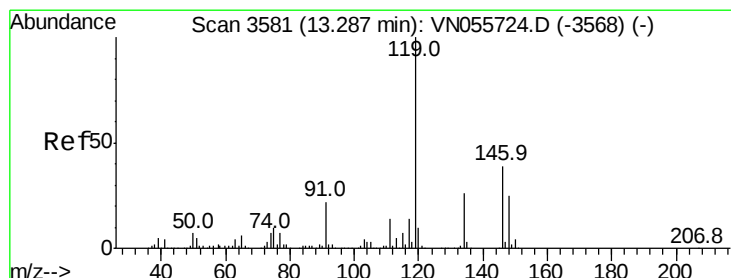
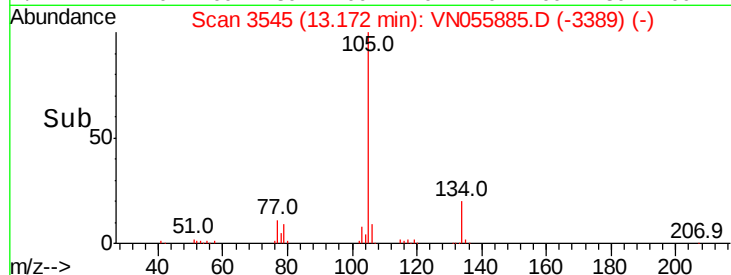
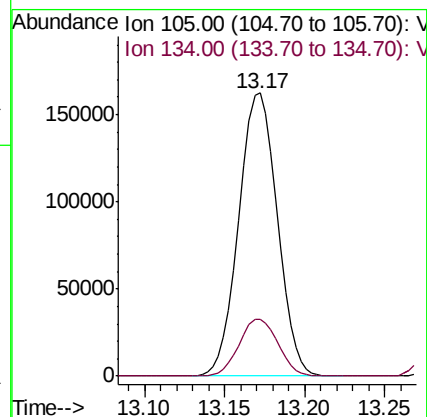
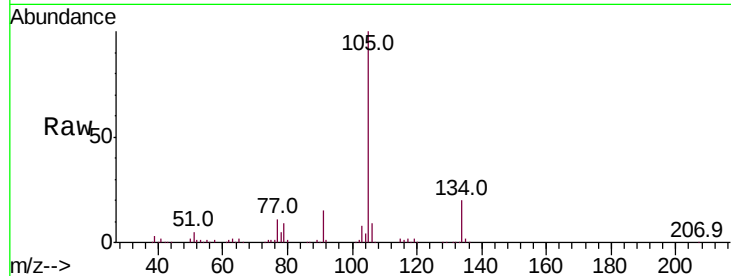
134 20.4 0.0 41.4

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5/30/2019 9:35:29 AM



#82

p-Isopropyltoluene

Concen: 18.864 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

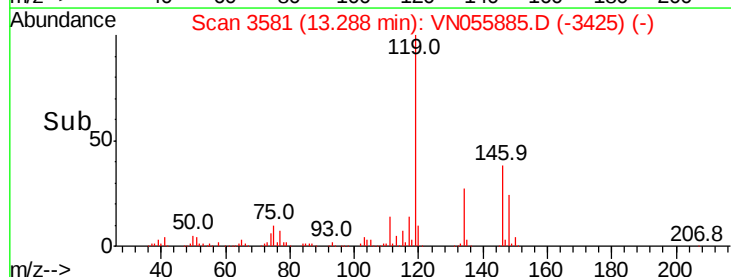
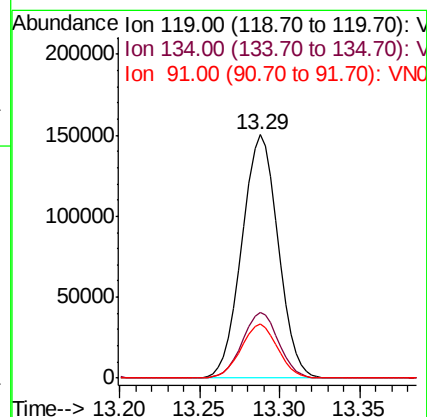
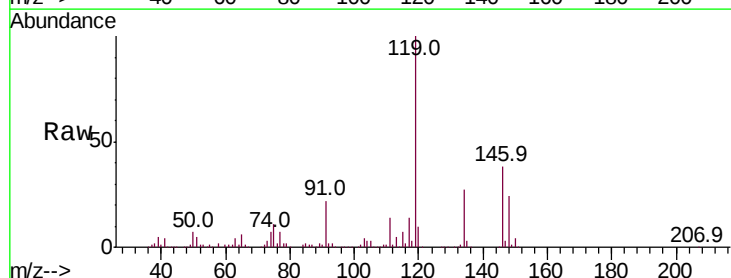
Tgt Ion:119 Resp: 232327

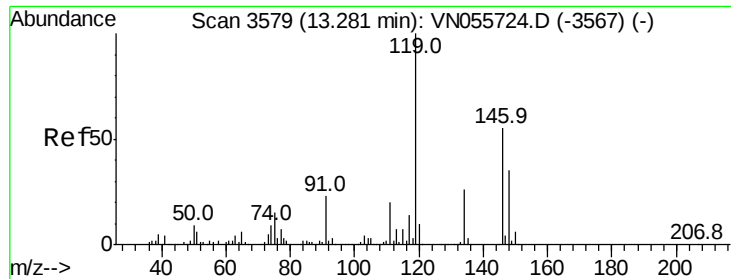
Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.0

91 22.2 0.0 44.4





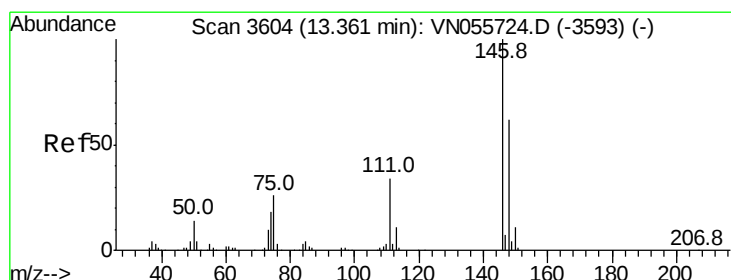
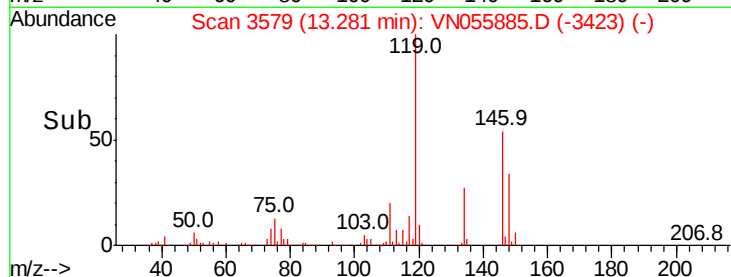
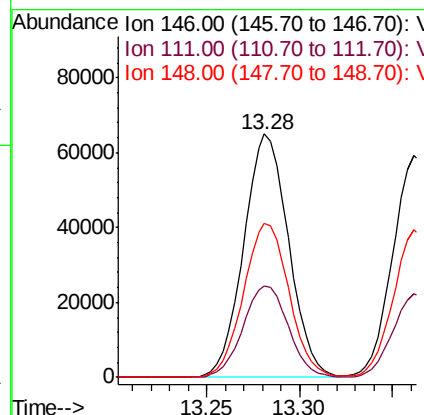
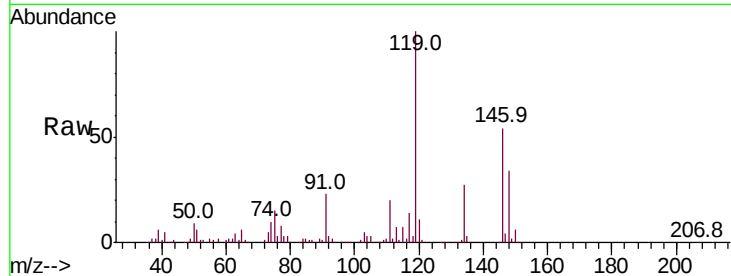
#83
 1,3-Dichlorobenzene
 Concen: 18.244 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.6
148	64.3	32.2	96.6

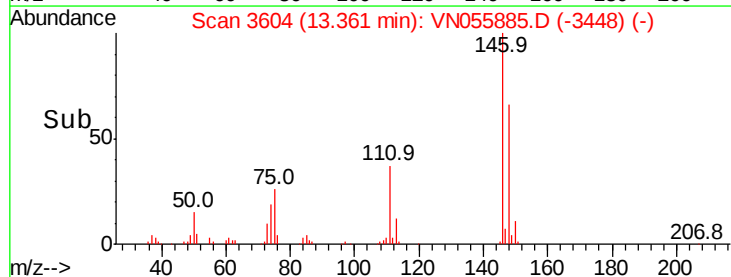
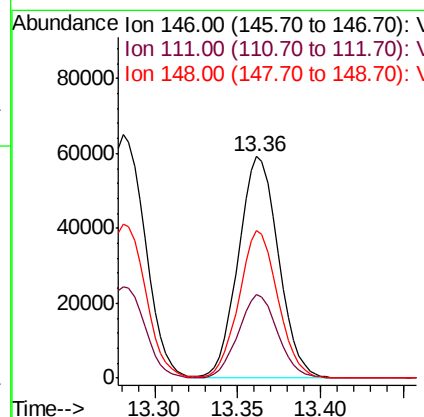
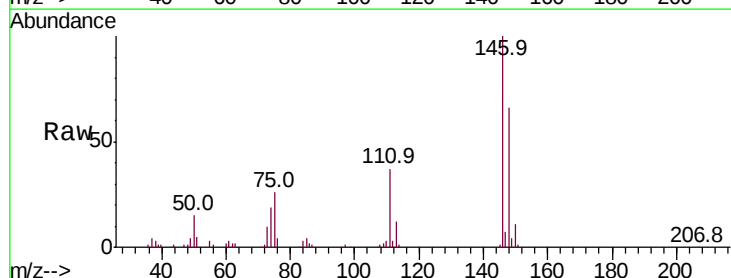
Manual Integrations
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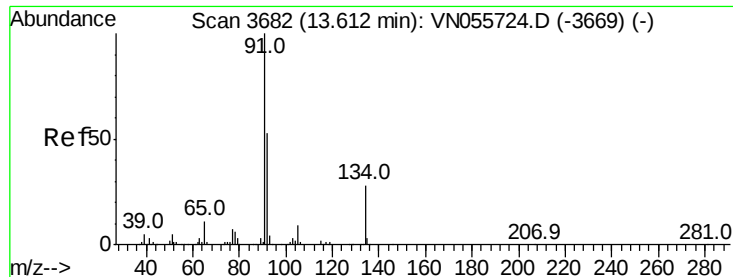
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#84
 1,4-Dichlorobenzene
 Concen: 17.499 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.5	52.6
148	64.5	31.8	95.4





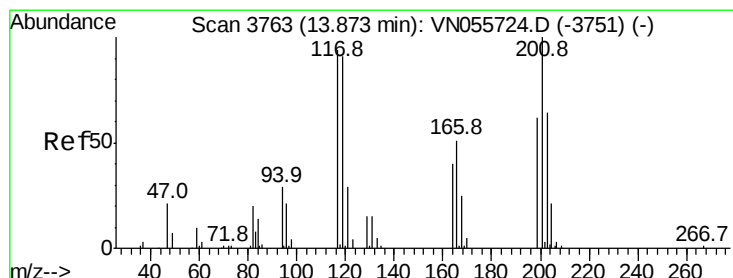
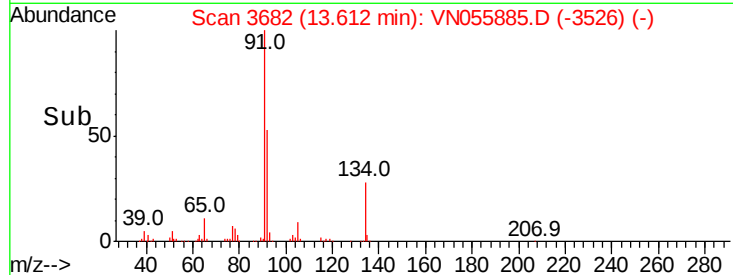
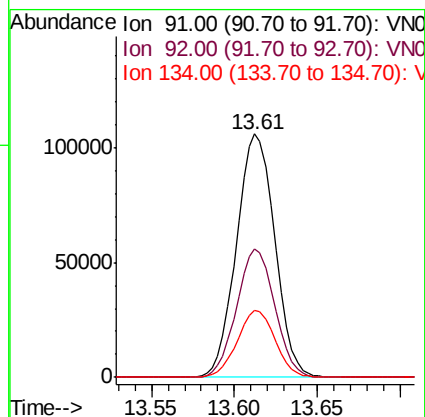
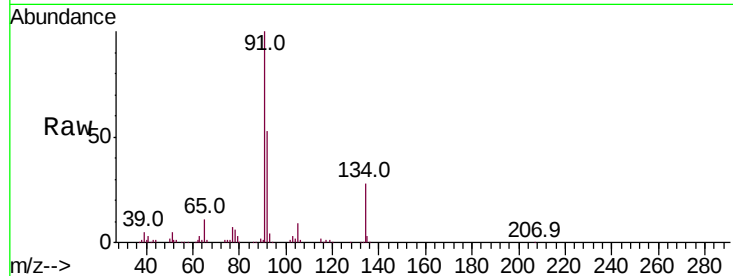
#85
n-Butylbenzene
Concen: 17.830 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	170833		
92	52.3		0.0	106.8
134	27.2		0.0	55.2

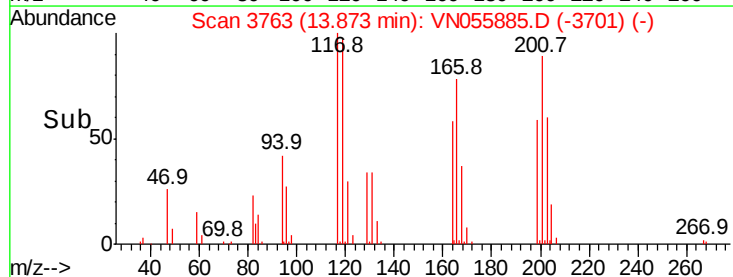
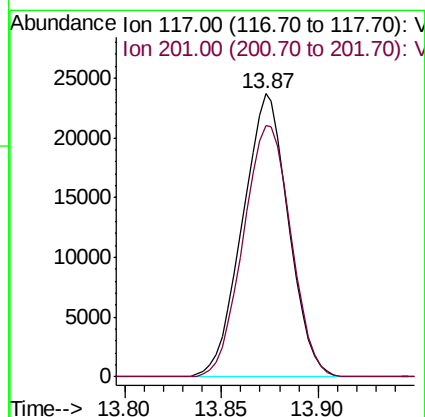
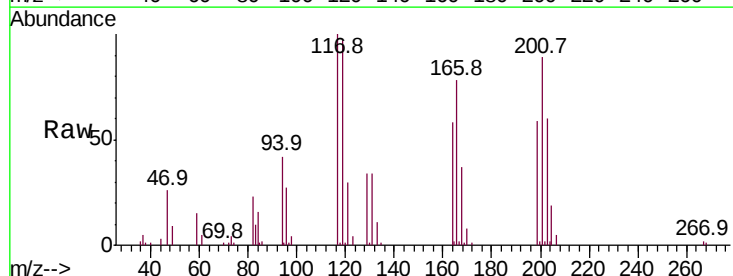
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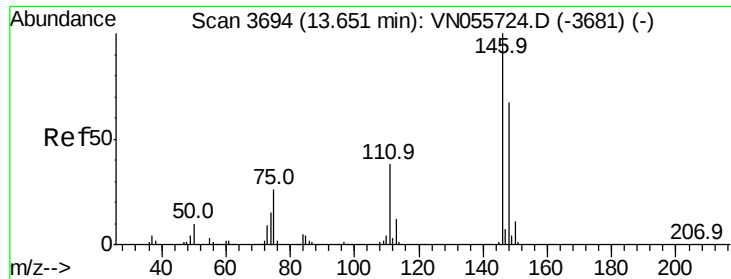
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#86
Hexachloroethane
Concen: 16.225 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39303		
201	92.0		52.5	157.6





#87

1,2-Dichlorobenzene

Concen: 18.819 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

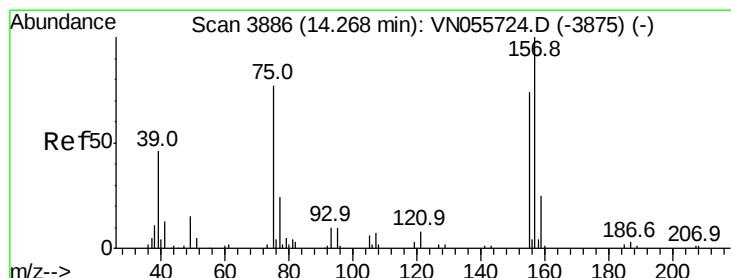
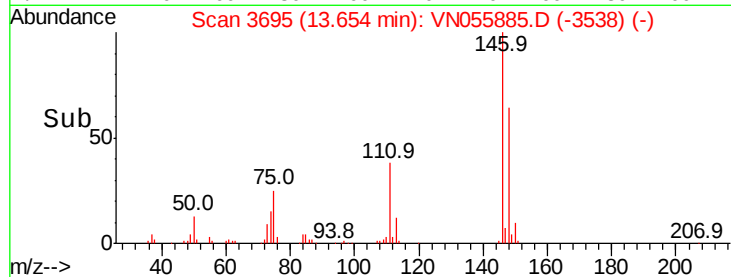
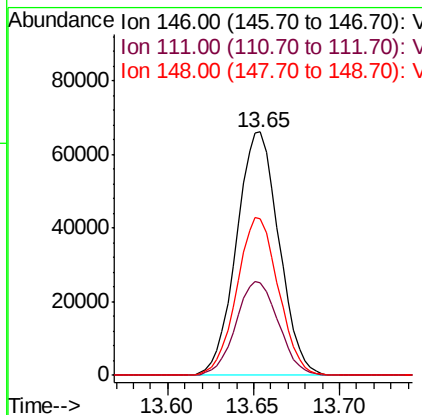
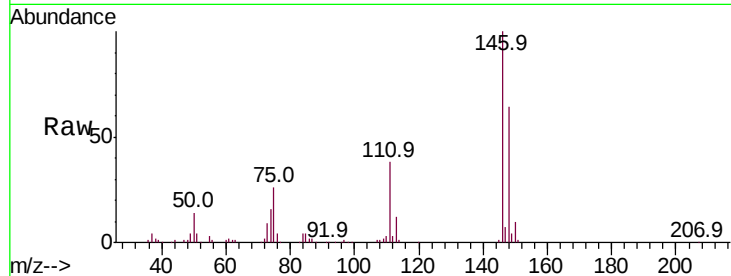
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	113906
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.2	57.6
148	63.4	32.7	98.1

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.643 ug/l

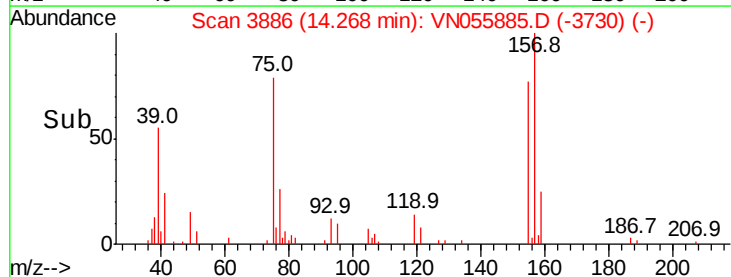
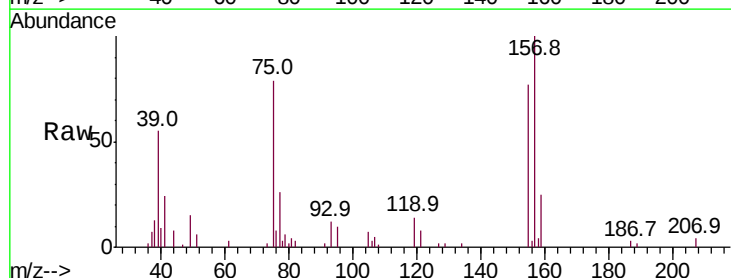
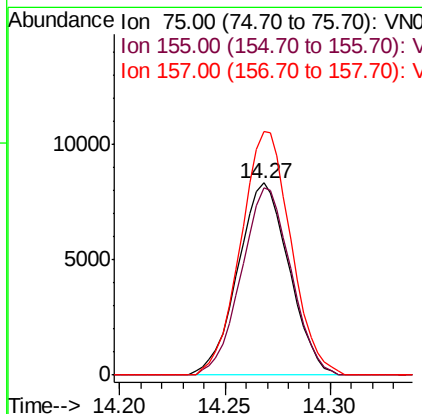
RT: 14.27 min Scan# 3886

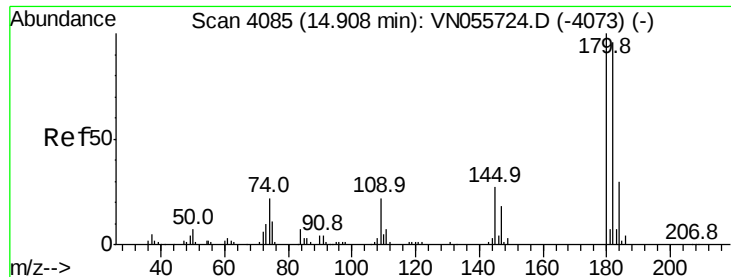
Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Tgt Ion:	75	Resp:	14070
Ion Ratio	Lower	Upper	
75	100		
155	94.3	78.4	117.6
157	124.3	105.0	157.4





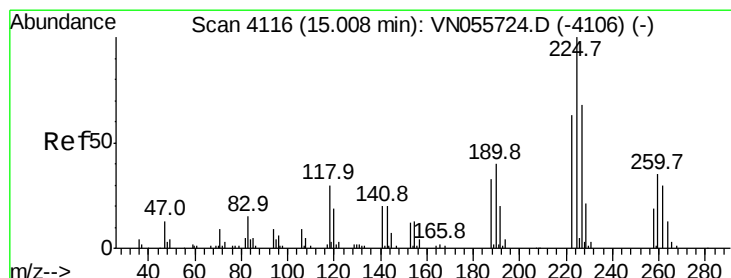
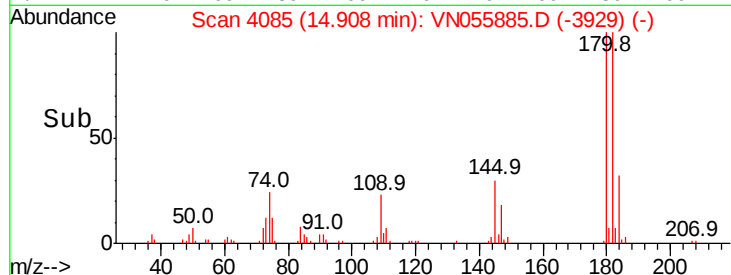
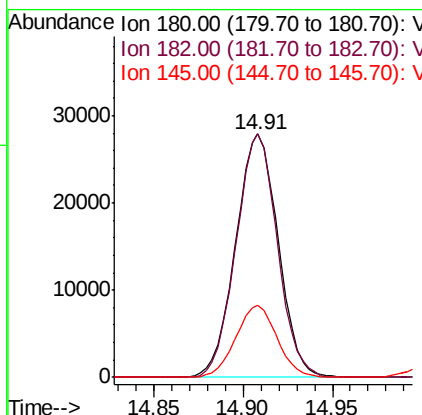
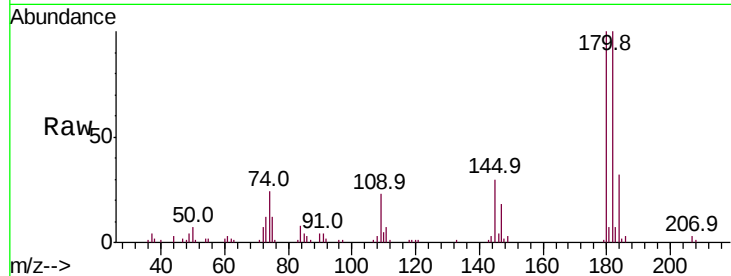
#89
 1,2,4-Trichlorobenzene
 Concen: 14.166 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.1	114.1
145	28.5	21.8	32.8

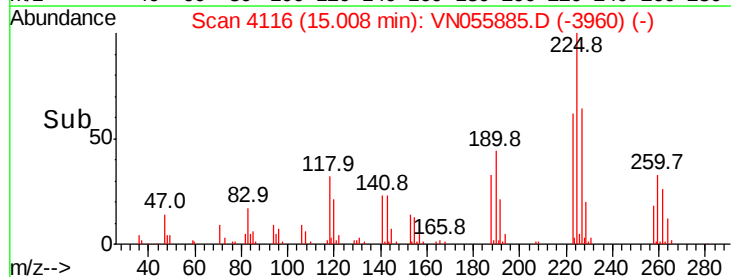
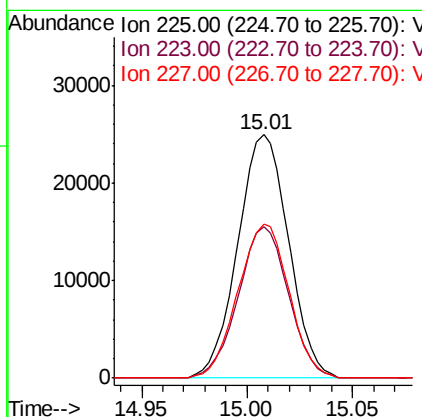
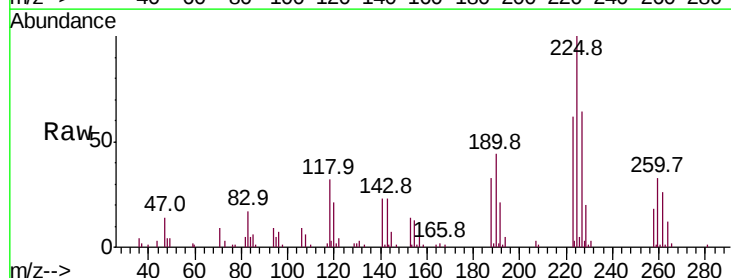
Manual Integrations
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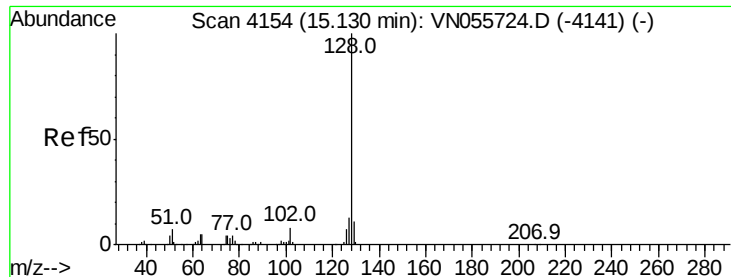
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#90
 Hexachlorobutadiene
 Concen: 17.100 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	126.0
227	63.6	0.0	133.0





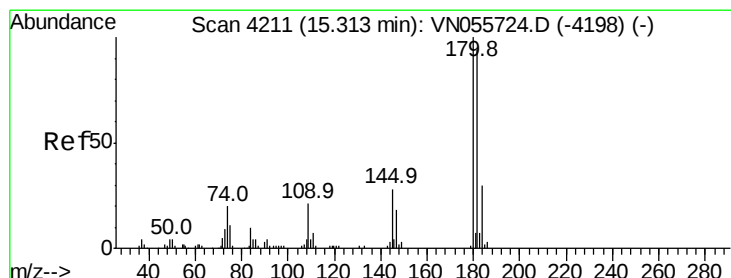
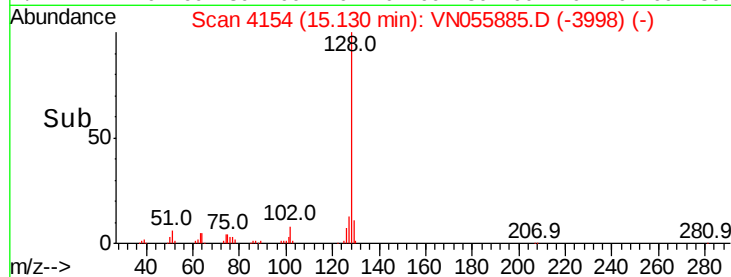
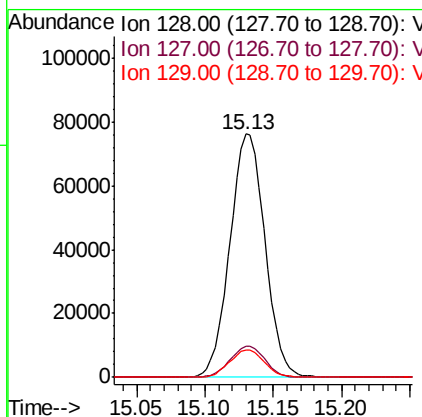
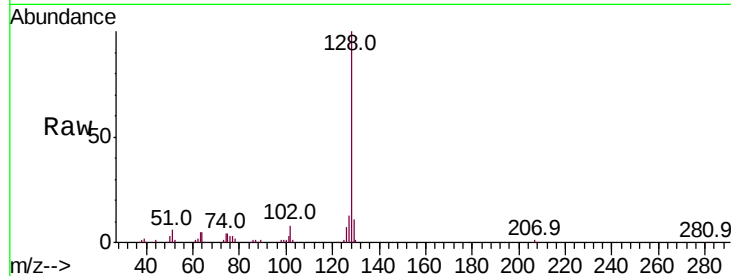
#91
Naphthalene
Concen: 15.261 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	136234
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.0	15.0
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/30/2019 9:35:29 AM



#92
1,2,3-Trichlorobenzene
Concen: 15.398 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion:	180	Resp:	52578
Ion Ratio	Lower	Upper	
180	100		
182	100.1	0.0	188.6
145	30.4	0.0	56.8

