

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN080119\
 Data File : VN057049.D
 Acq On : 1 Aug 2019 19:50
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:18:26 AM

Quant Time: Aug 02 10:31:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	82549	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.58	114	438766	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	375392	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	156792	29.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.73%
60) 4-Bromofluorobenzene	12.40	95	162440	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	10.08	98	536163	30.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	103176	20.905 ug/l	99
3) Chloromethane	2.05	50	116284	19.308 ug/l	98
4) Vinyl Chloride	2.18	62	111562	19.213 ug/l	99
5) Bromomethane	2.55	94	73775	20.693 ug/l	99
6) Chloroethane	2.69	64	58941	18.300 ug/l	92
7) Trichlorofluoromethane	3.00	101	150949	21.347 ug/l	98
8) Diethyl Ether	3.40	74	55932	21.228 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	89230	20.093 ug/l	96
10) 1,1-Dichloroethene	3.73	96	88451	20.071 ug/l	96
11) Methyl Iodide	3.94	142	124302	19.065 ug/l	97
12) Methyl Acetate	4.31	43	87783	16.276 ug/l	94
13) Acrolein	3.59	56	68556	112.313 ug/l	97
14) Acrylonitrile	4.97	53	198129	95.254 ug/l	99
15) Acetone	3.81	58	51869	96.455 ug/l	93
16) Carbon Disulfide	4.04	76	228994	19.270 ug/l	99
17) Allyl chloride	4.31	41	137894	18.698 ug/l	97
18) Methylene Chloride	4.54	84	101930	19.872 ug/l	99
19) trans-1,2-Dichloroethene	5.03	96	94568	20.276 ug/l	99
20) Diisopropyl ether	5.94	45	289781	19.354 ug/l	98
21) 1,1-Dichloroethane	5.83	63	173007	19.882 ug/l	98
22) cis-1,2-Dichloroethene	6.82	96	107349	19.859 ug/l	98
23) tert-Butyl Alcohol	4.77	59	72644	104.654 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	267119	20.048 ug/l	97
25) Chloroform	7.36	83	171200	20.168 ug/l	98
26) Cyclohexane	7.64	56	156099	19.528 ug/l	# 98
29) 1,1-Dichloropropene	7.78	75	129080	20.731 ug/l	96
30) 2-Butanone	6.82	43	242119	96.787 ug/l	98
31) 2,2-Dichloropropane	6.81	77	119589	20.697 ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	143205	20.932 ug/l	99
33) Carbon Tetrachloride	7.76	117	124103	20.783 ug/l	99
34) Benzene	8.03	78	394536	20.110 ug/l	98
35) Methacrylonitrile	7.18	41	58416m	23.383 ug/l	
36) 1,2-Dichloroethane	8.11	62	124215	20.366 ug/l	99
37) Trichloroethene	8.82	130	109038	20.731 ug/l	98
38) Methylcyclohexane	9.07	83	158025	19.951 ug/l	98
39) 1,2-Dichloropropane	9.11	63	105307	20.109 ug/l	99
40) Dibromomethane	9.20	93	65136	20.275 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	124194	20.118	ug/l	99
42) Vinyl Acetate	5.88	43	1076676	96.646	ug/l	98
43) Ethyl Acetate	6.92	43	103628	20.207	ug/l	96
44) Isopropyl Acetate	8.16	43	163814	19.164	ug/l #	87
45) 1,4-Dioxane	9.19	88	32961	405.030	ug/l	95
46) Methyl methacrylate	9.19	41	79555	18.655	ug/l	96
47) n-amyl Acetate	12.07	43	124920	18.255	ug/l	99
48) t-1,3-Dichloropropene	10.37	75	126992	19.769	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	149406	19.958	ug/l	97
50) 1,1,2-Trichloroethane	10.55	97	92027	19.952	ug/l	96
51) Ethyl methacrylate	10.42	69	129721	19.444	ug/l	98
52) 1,3-Dichloropropane	10.70	76	156138	20.058	ug/l	100
53) Dibromochloromethane	10.90	129	98373	20.518	ug/l	99
54) 1,2-Dibromoethane	11.00	107	96793	20.570	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	231147	79.999	ug/l	97
56) Bromoform	12.12	173	67645	20.392	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	491197	97.506	ug/l	97
59) 2-Hexanone	10.74	43	339715	98.964	ug/l	99
61) Tetrachloroethene	10.63	164	113695	21.611	ug/l	97
62) Toluene	10.15	91	419974	20.571	ug/l	100
64) Chlorobenzene	11.43	112	256512	20.858	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.50	131	97369	20.903	ug/l	98
66) Ethyl Benzene	11.51	91	445611	20.712	ug/l	99
67) m/p-Xylenes	11.62	106	333172	41.529	ug/l	99
68) o-Xylene	11.94	106	165782	21.017	ug/l	97
69) Styrene	11.96	104	258357	20.212	ug/l	99
70) Isopropylbenzene	12.25	105	438124	21.095	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	120208	20.664	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	105074m	20.530	ug/l	
73) Bromobenzene	12.52	156	108802	20.301	ug/l	98
74) n-propylbenzene	12.59	91	454133	19.998	ug/l	99
75) 2-Chlorotoluene	12.67	91	280838	20.398	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	367050	20.993	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	31047	19.320	ug/l	96
78) 4-Chlorotoluene	12.77	91	256511	19.600	ug/l	98
79) tert-butylbenzene	12.99	119	321518	21.310	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	350952	20.590	ug/l	98
81) sec-Butylbenzene	13.17	105	406753	20.649	ug/l	98
82) p-Isopropyltoluene	13.29	119	358062	20.240	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	163824	19.415	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	149346	18.719	ug/l	99
85) n-Butylbenzene	13.61	91	256634	18.474	ug/l	98
86) Hexachloroethane	13.87	117	63376	21.406	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	168397	20.092	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17792	19.770	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	59856	18.386	ug/l	99
90) Hexachlorobutadiene	15.00	225	68110	22.108	ug/l	98
91) Naphthalene	15.12	128	153272	18.022	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	71812	16.207	ug/l	97

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ClientSampleId :
VSTDCCC020EC

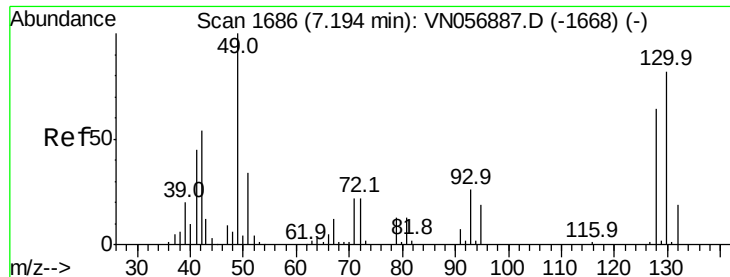
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



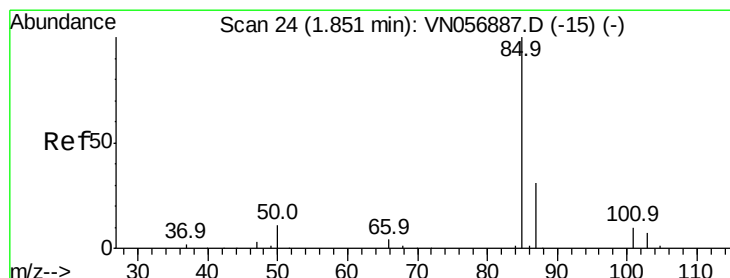
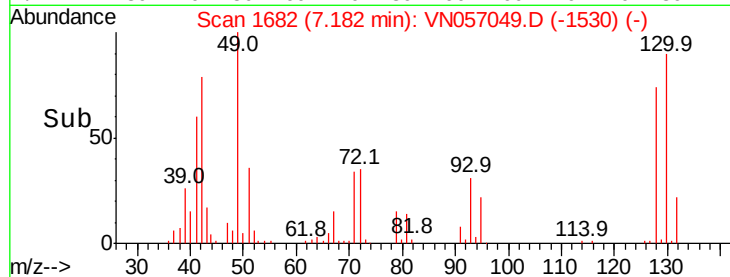
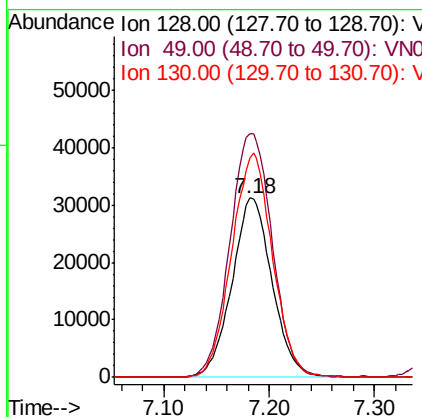
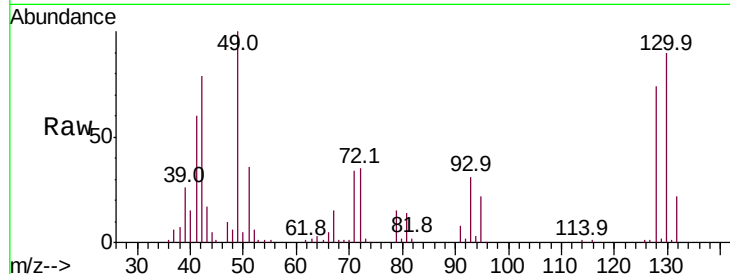
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
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 VSTDCCC020EC

Tot Ion:	128	Resp:	82549
Ion	Ratio	Lower	Upper
128	100		
49	143.3	0.0	385.8
130	127.4	0.0	322.5

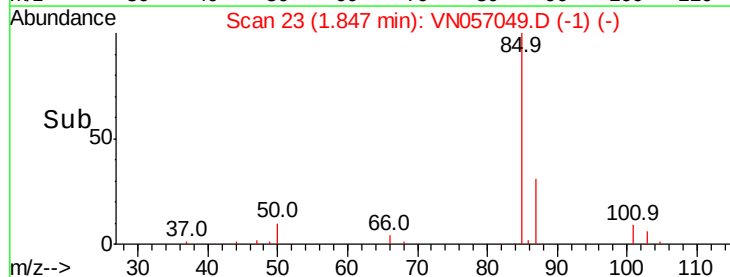
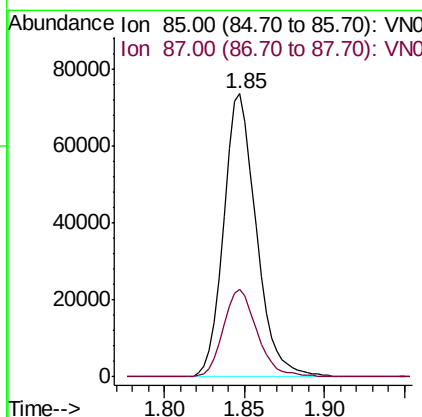
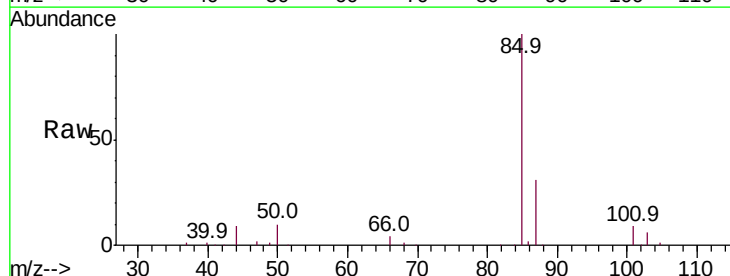
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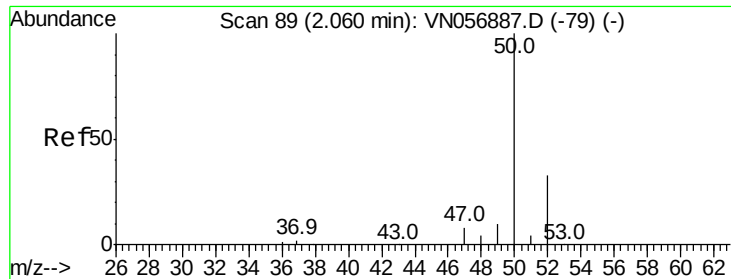
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#2
 Dichlorodifluoromethane
 Concen: 20.905 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion:	85	Resp:	103176
Ion	Ratio	Lower	Upper
85	100		
87	30.8	15.6	46.8





#3

Chloromethane

Concen: 19.308 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 116284

Ion Ratio Lower Upper

50 100

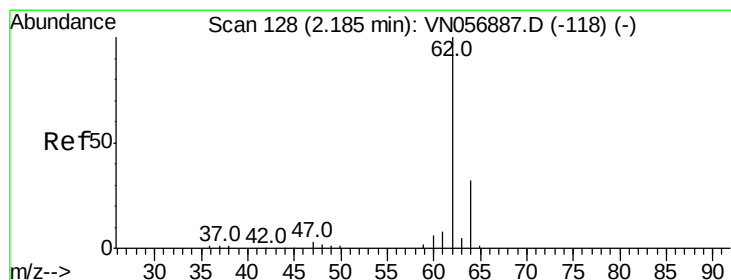
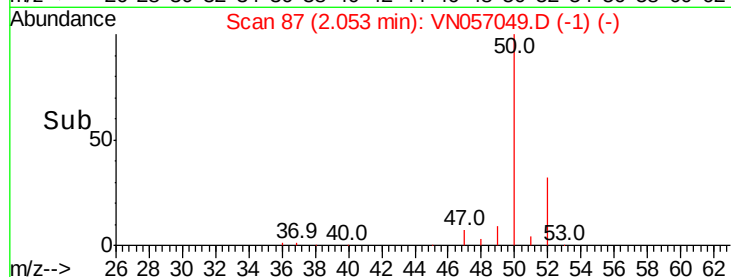
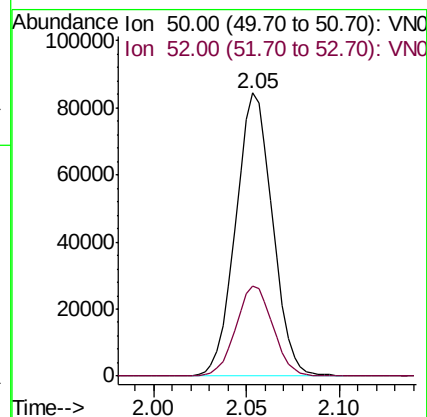
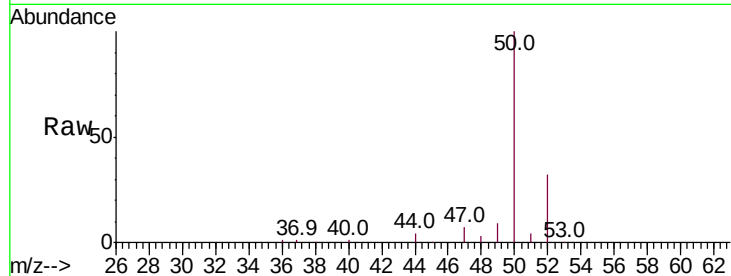
52 31.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.213 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057049.D

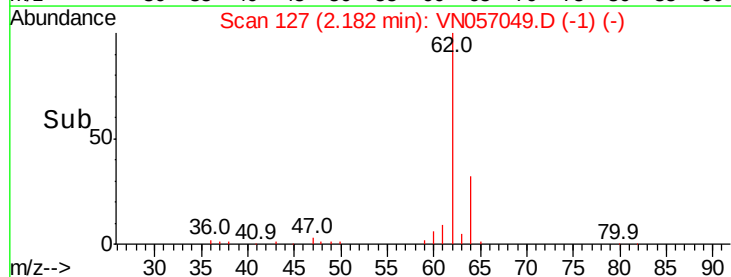
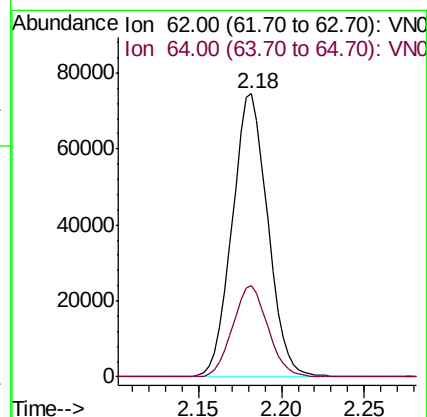
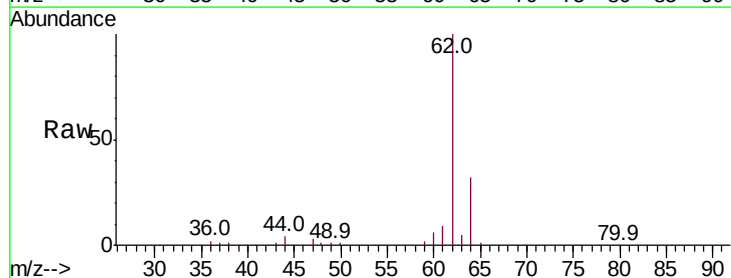
Acq: 1 Aug 2019 19:50

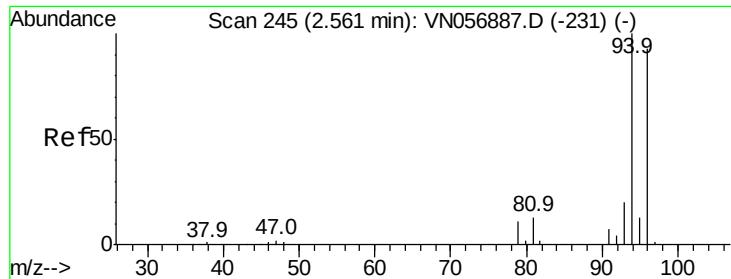
Tgt Ion: 62 Resp: 111562

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 20.693 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 73775

Ion Ratio Lower Upper

94 100

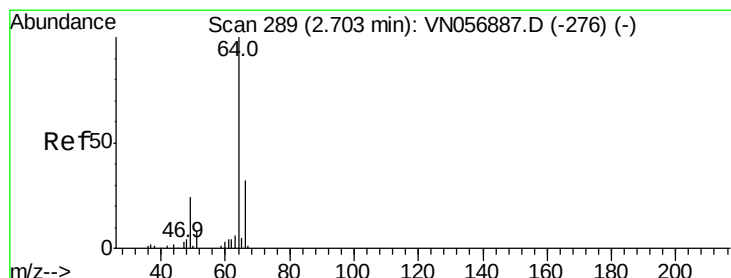
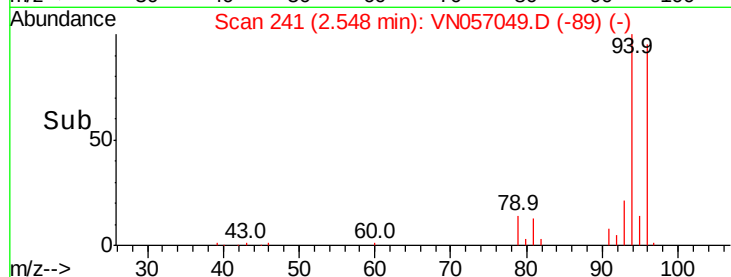
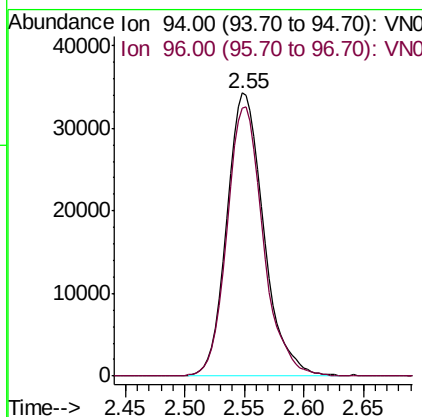
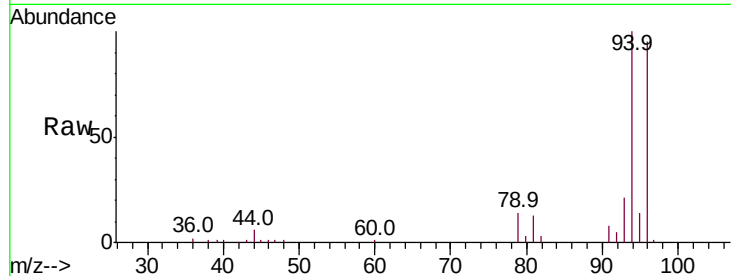
96 94.8 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 18.300 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN057049.D

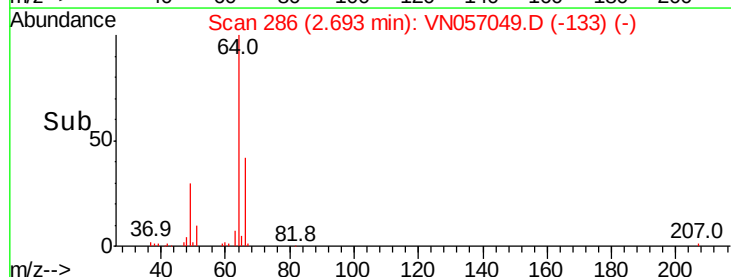
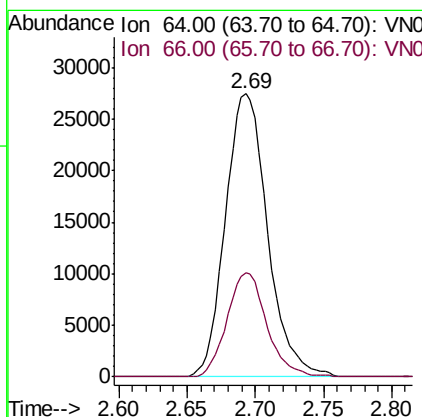
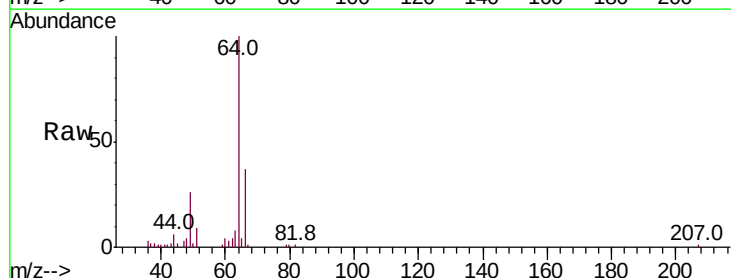
Acq: 1 Aug 2019 19:50

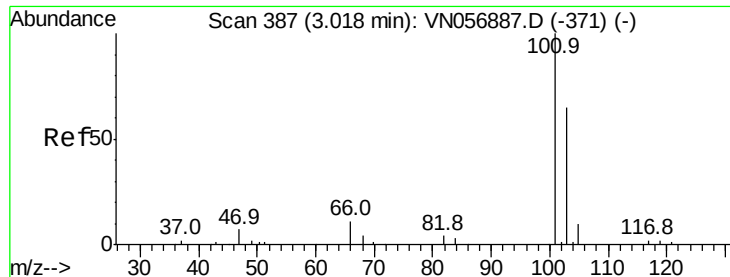
Tgt Ion: 64 Resp: 58941

Ion Ratio Lower Upper

64 100

66 36.8 25.8 38.8





#7

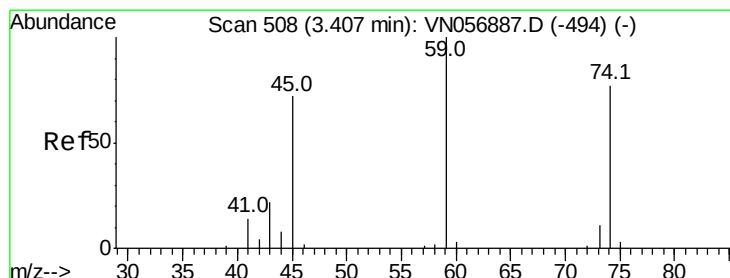
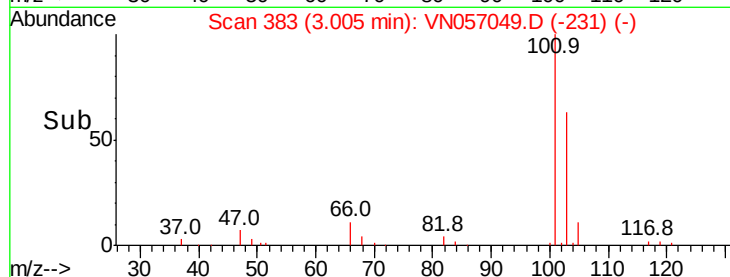
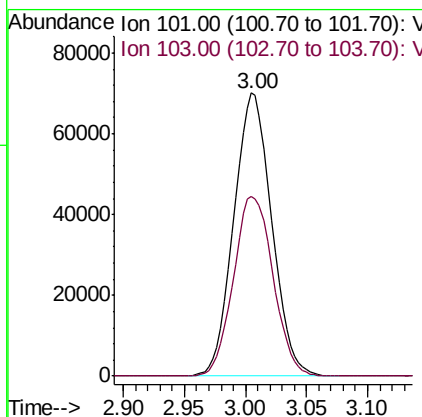
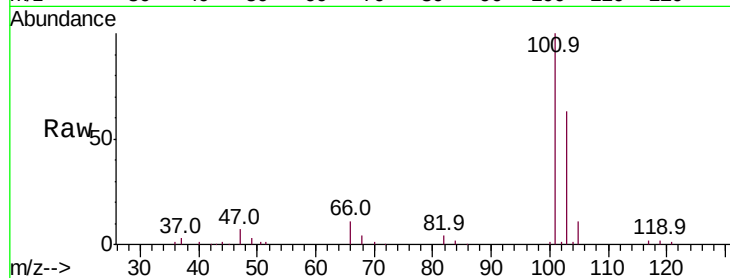
Trichlorofluoromethane
Concen: 21.347 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		150949		
103	63.5	52.2	78.4		

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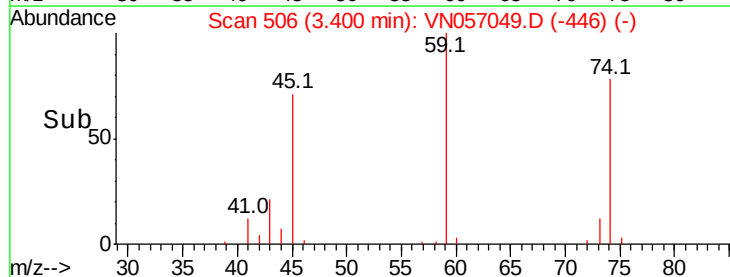
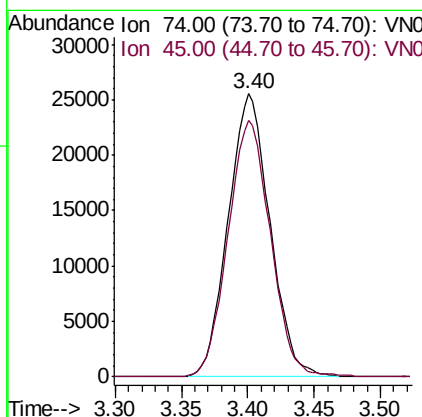
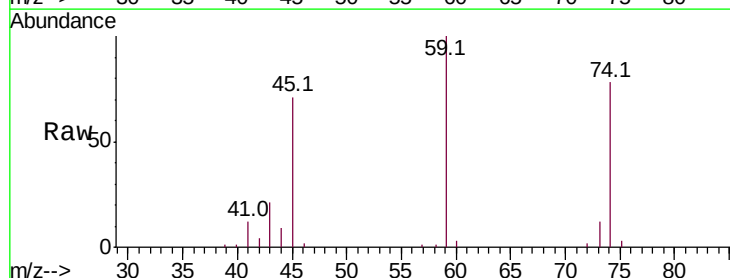
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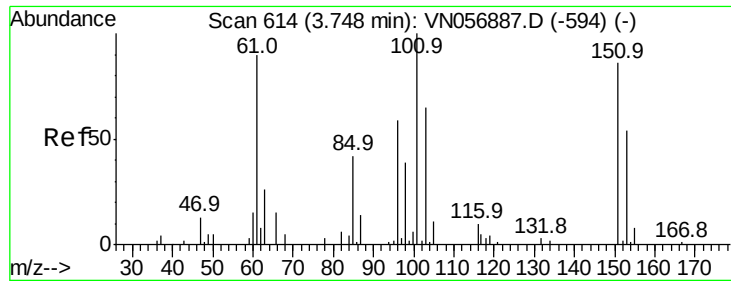


#8

Diethyl Ether
Concen: 21.228 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		55932		
45	91.7	19.5	175.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.093 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN057049.D

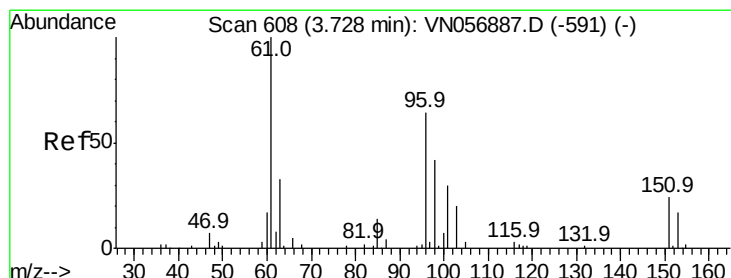
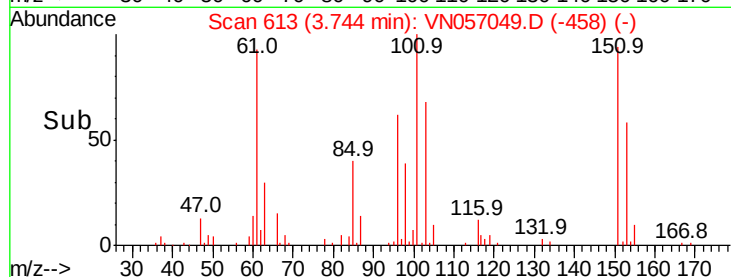
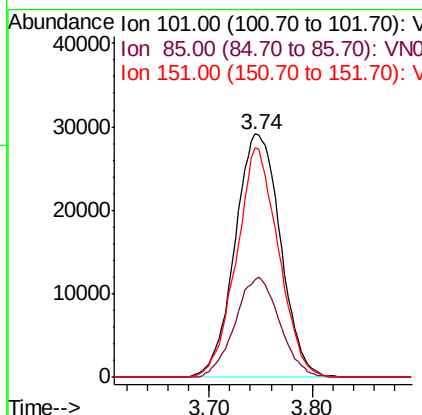
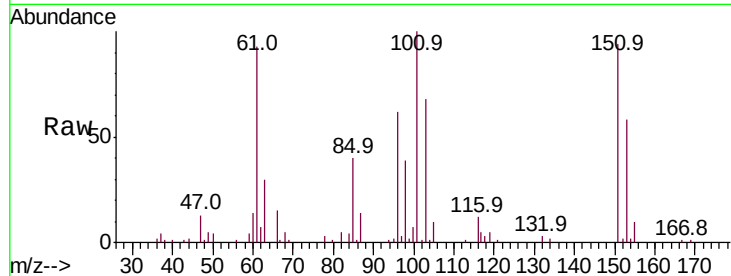
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Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	40.3	0.0	85.0
151	87.3	0.0	167.2

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#10

1,1-Dichloroethene

Concen: 20.071 ug/l

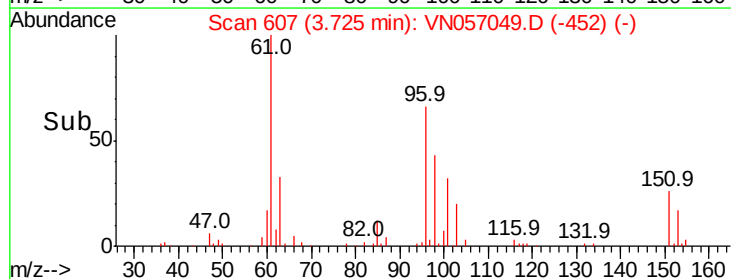
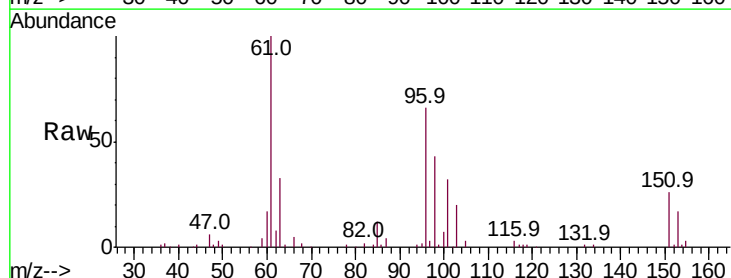
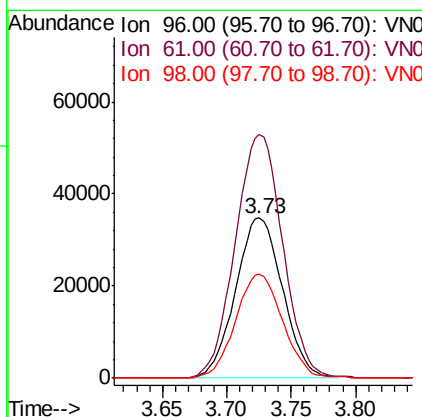
RT: 3.73 min Scan# 607

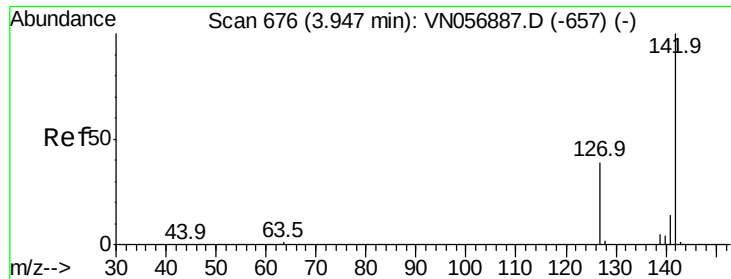
Delta R.T. -0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	151.2	125.8	188.8
98	64.9	52.7	79.1





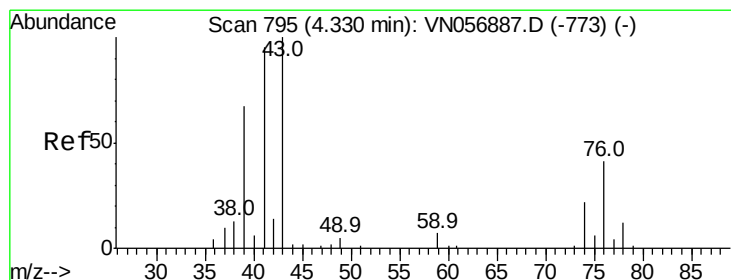
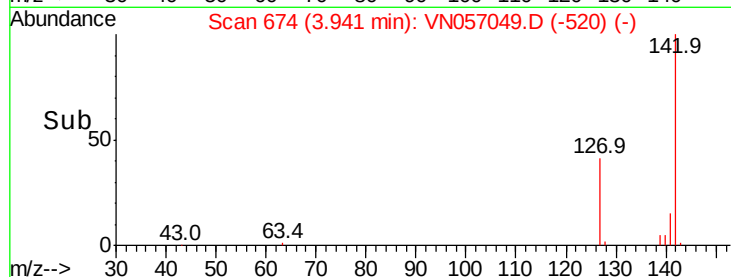
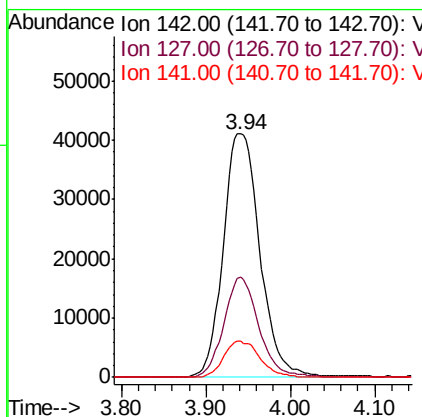
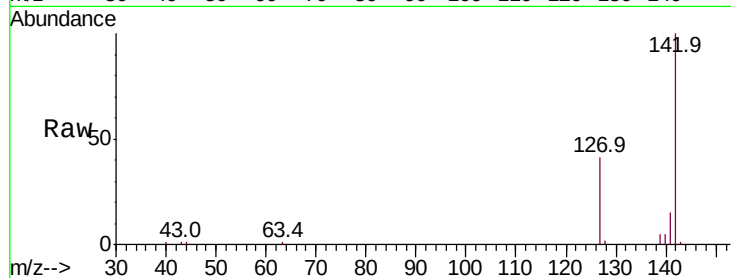
#11
Methvl Iodide
Concen: 19.065 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.2	19.6	58.8
141	14.8	7.2	21.6

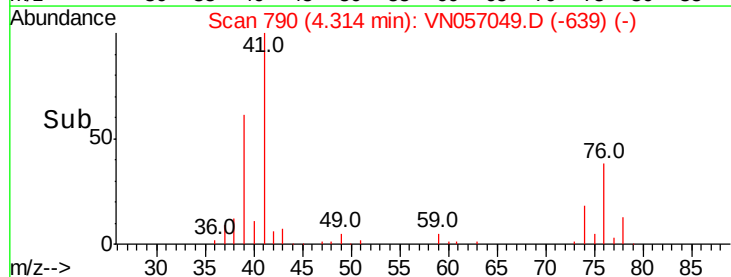
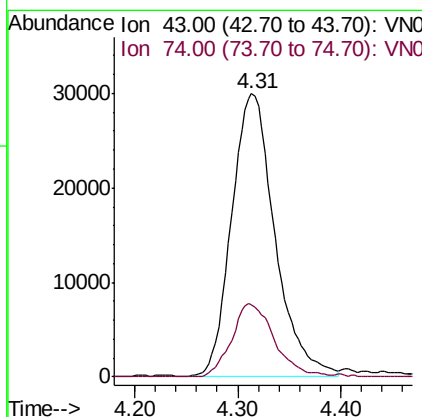
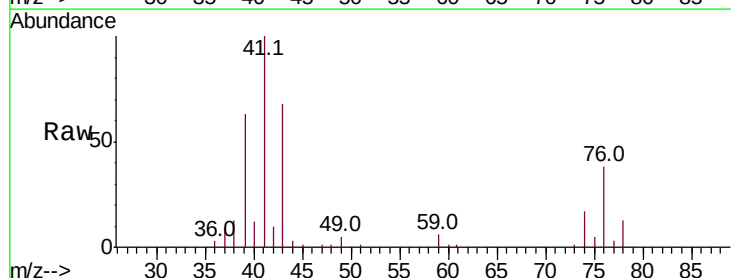
Manual Integrations
APPROVED

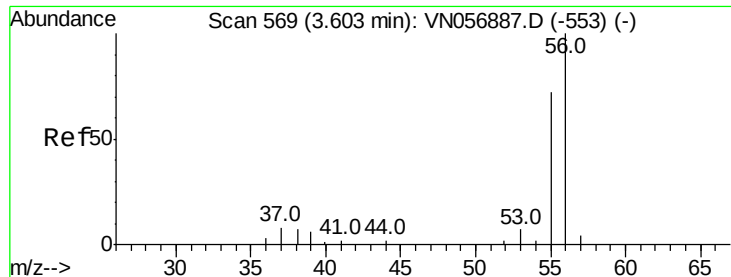
MMDadoda
8/2/2019 11:18:26 AM



#12
Methyl Acetate
Concen: 16.276 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.02 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	18.1	27.1





#13

Acrolein

Concen: 112.313 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 68556

Ion Ratio Lower Upper

56 100

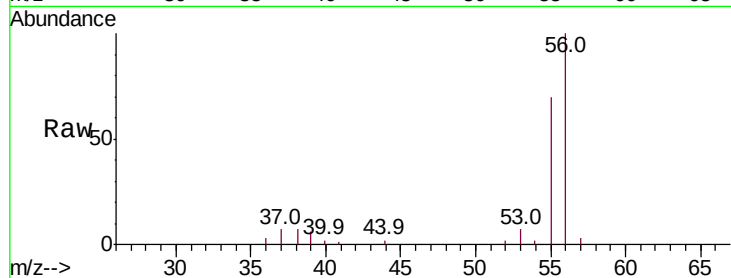
55 70.2 58.5 87.7

Manual Integrations

APPROVED

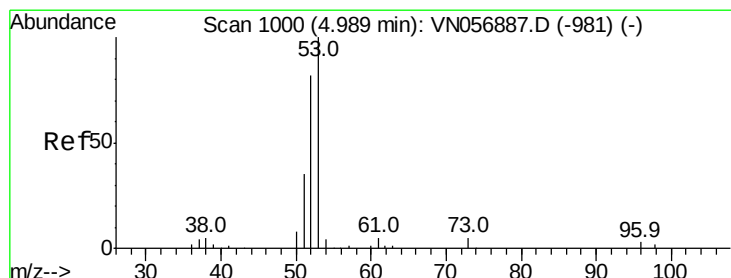
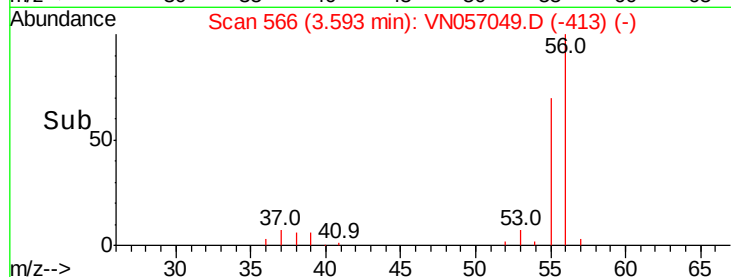
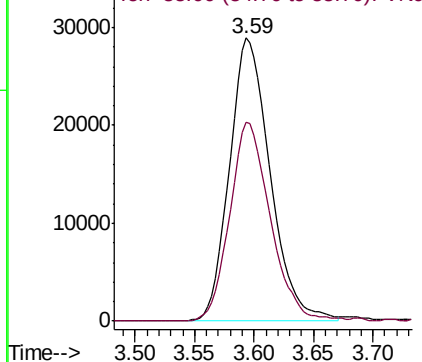
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 95.254 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.02 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

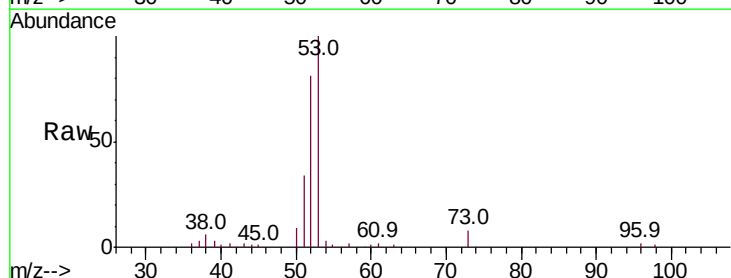
Tgt Ion: 53 Resp: 198129

Ion Ratio Lower Upper

53 100

52 82.1 40.8 122.5

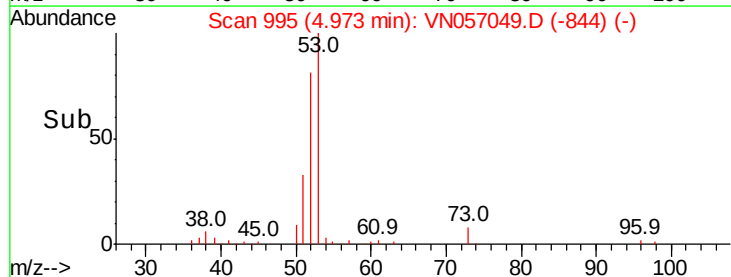
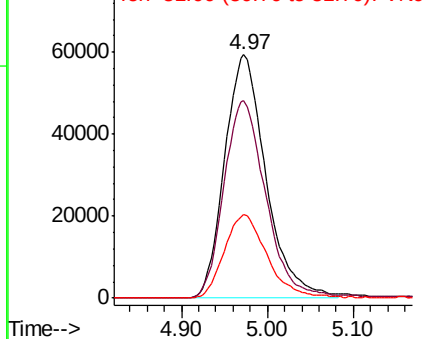
51 35.3 17.4 52.2

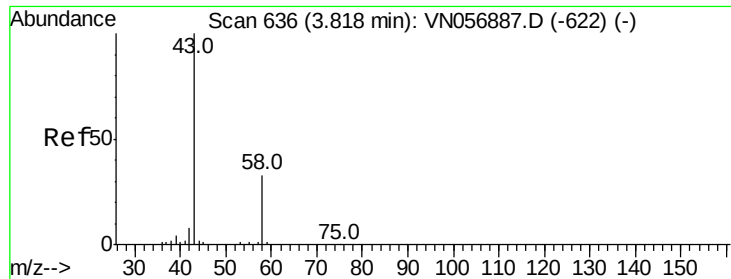


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 96.455 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 51869

Ion Ratio Lower Upper

58 100

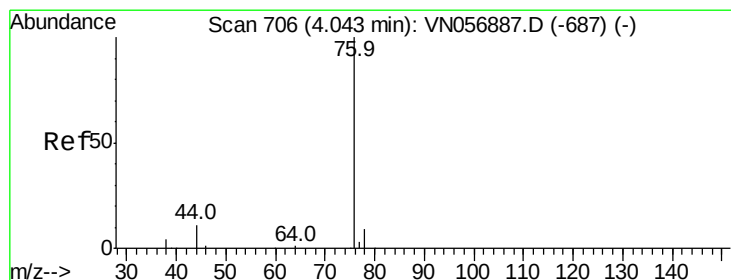
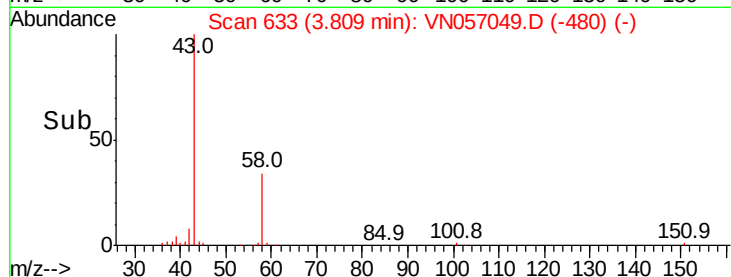
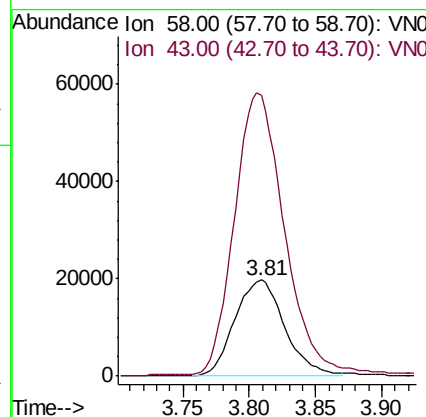
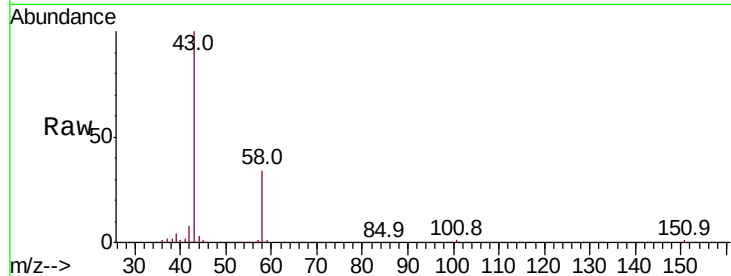
43 289.3 242.4 363.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.270 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN057049.D

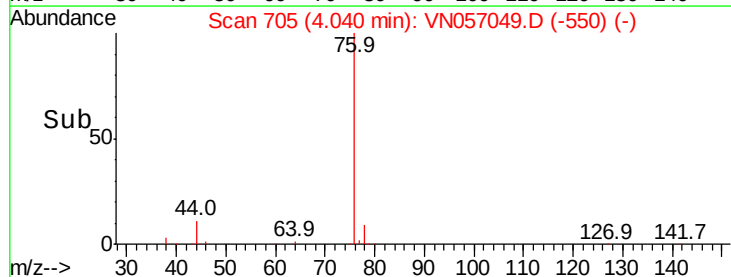
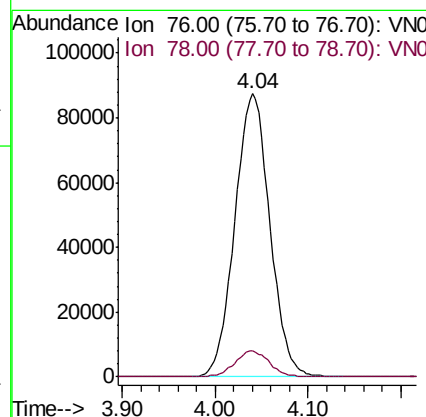
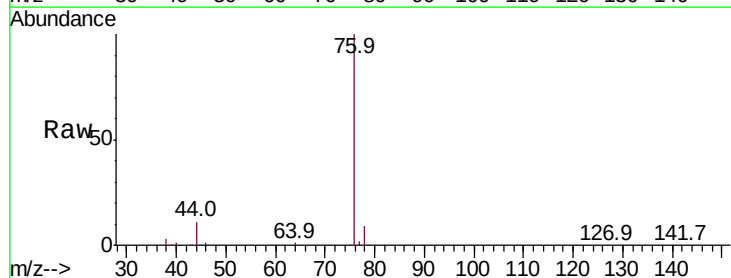
Acq: 1 Aug 2019 19:50

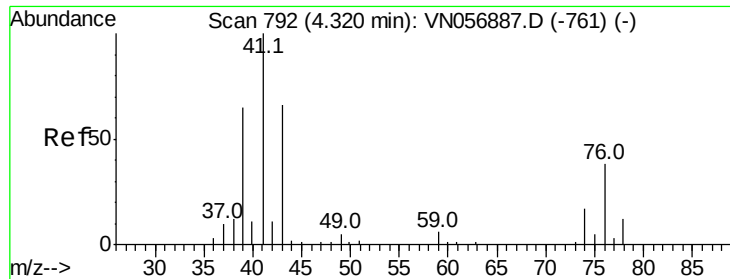
Tgt Ion: 76 Resp: 228994

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





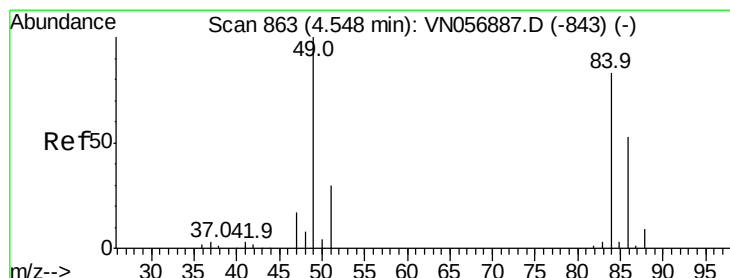
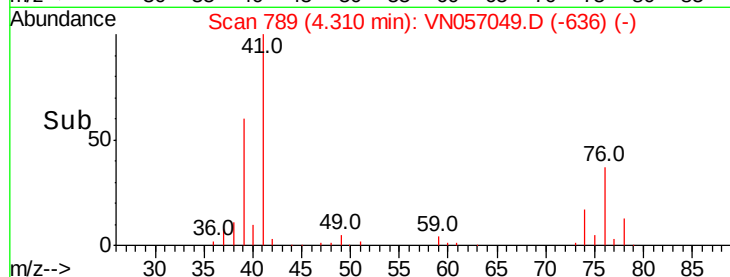
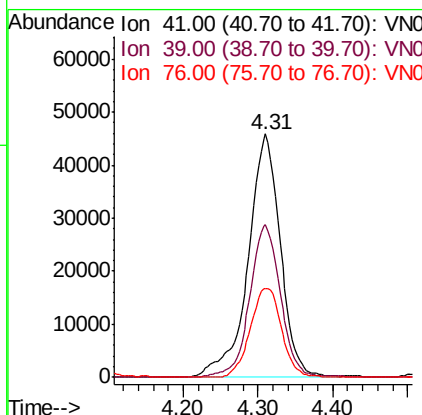
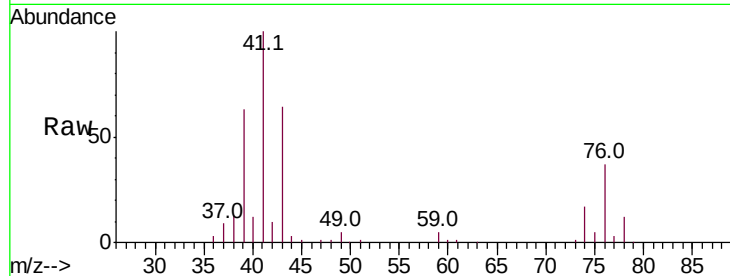
#17
Allvl chloride
Concen: 18.698 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100	137894		
39	62.6		32.4	97.0
76	36.6		19.0	57.0

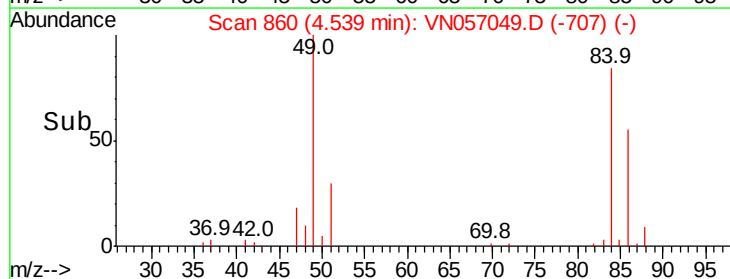
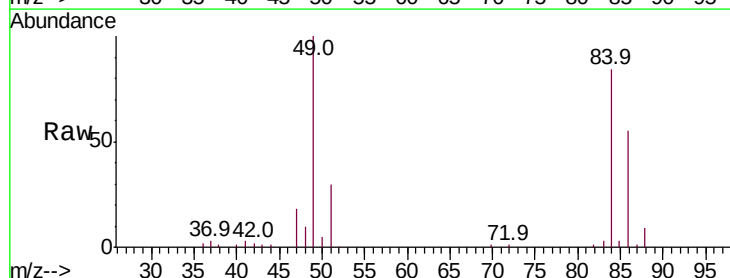
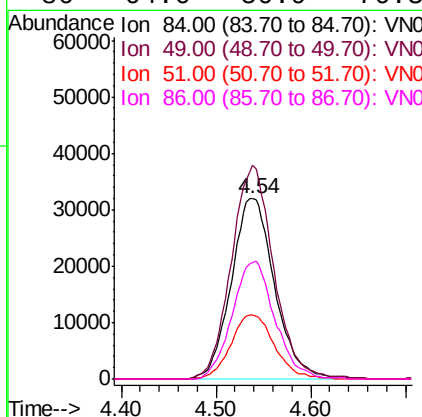
Manual Integrations
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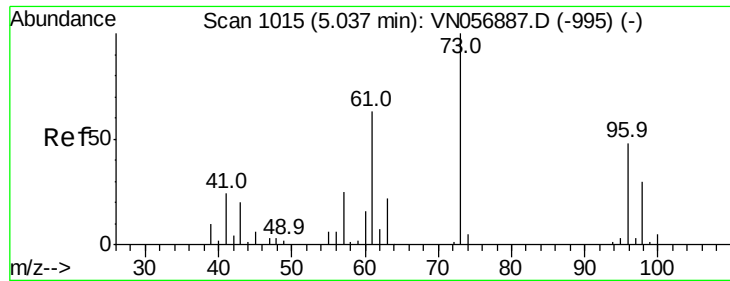
MMDadoda
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#18
Methylene Chloride
Concen: 19.872 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	101930		
49	118.5		96.3	144.5
51	35.6		28.8	43.2
86	64.6		50.9	76.3





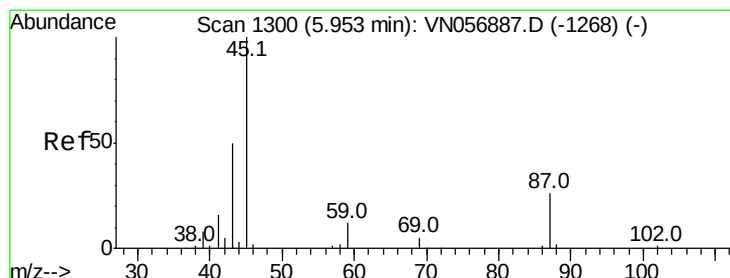
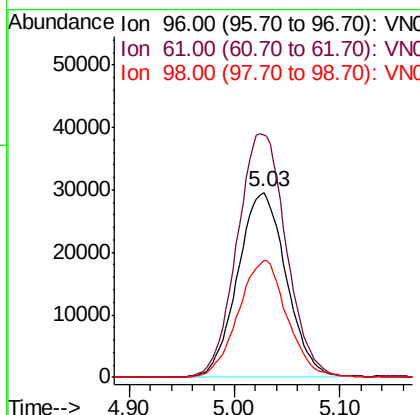
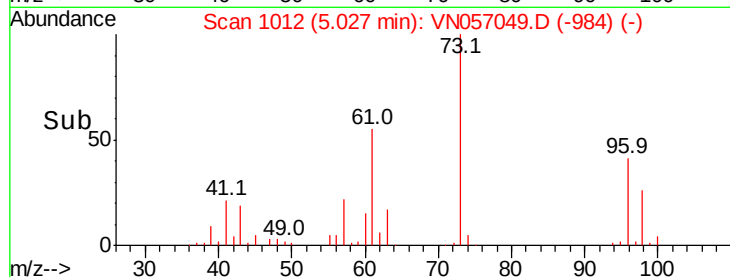
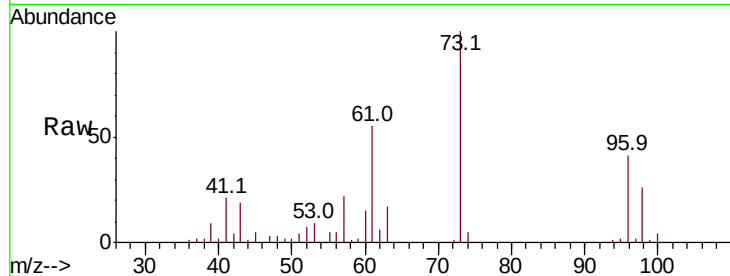
#19
trans-1,2-Dichloroethene
Concen: 20.276 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	105.4	158.0
98	63.3	50.8	76.2

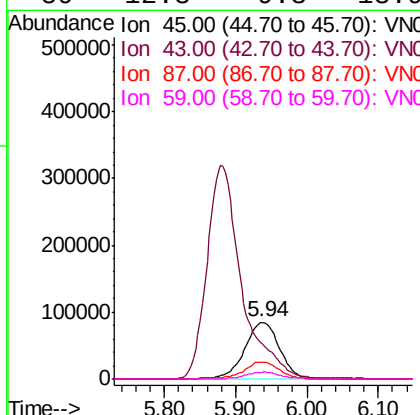
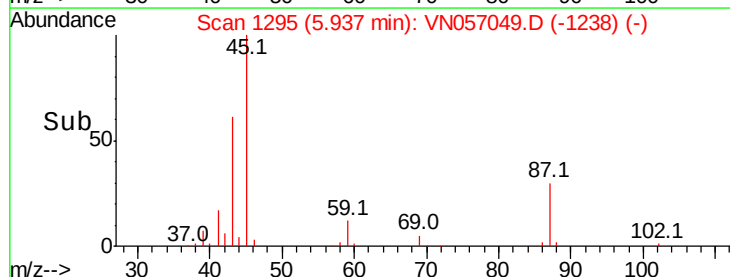
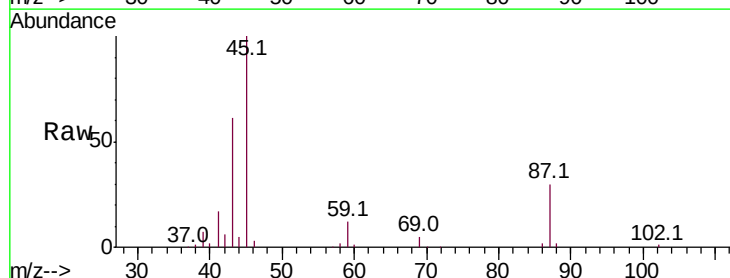
Manual Integrations
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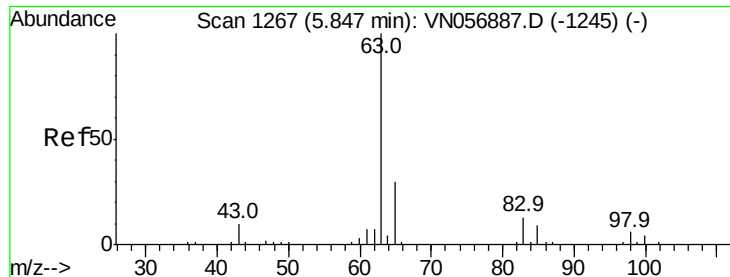
MMDadoda
8/2/2019 11:18:26 AM



#20
Diisopropyl ether
Concen: 19.354 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.4	71.0
87	29.6	21.7	32.5
59	12.3	9.3	13.9





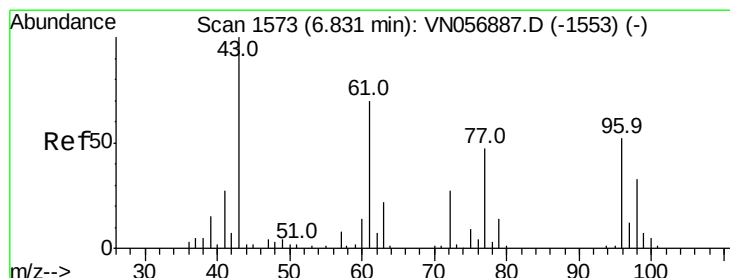
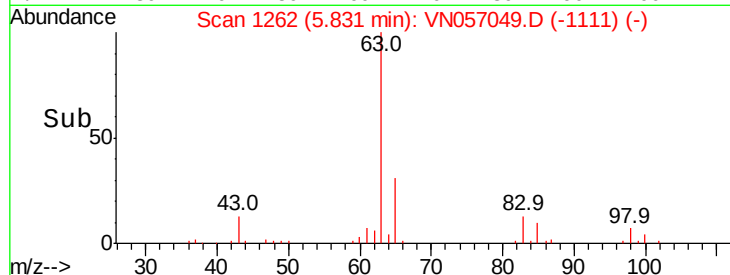
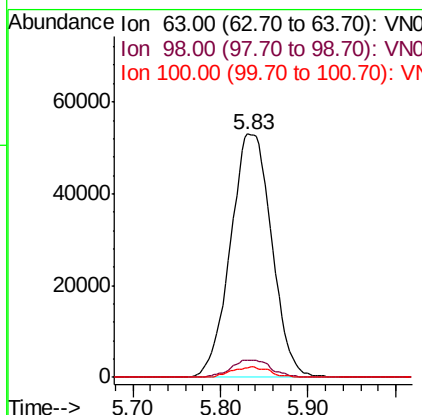
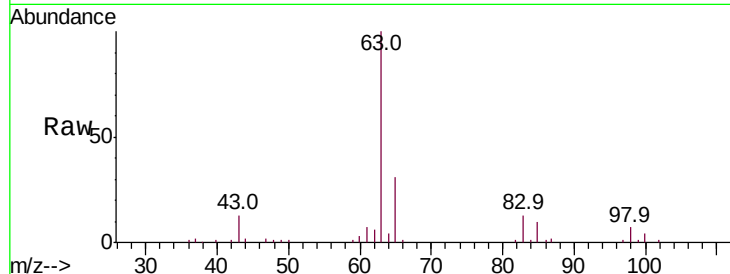
#21
 1,1-Dichloroethane
 Concen: 19.882 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	173007		
98	7.1		3.1	9.3
100	4.0		1.8	5.5

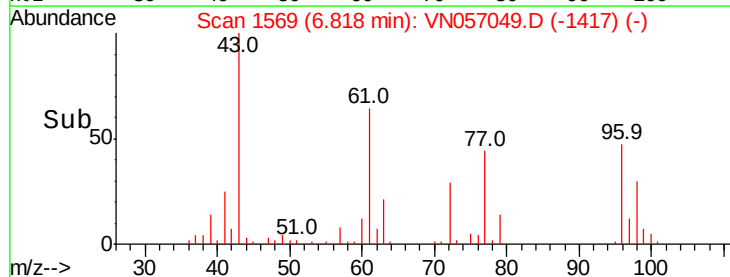
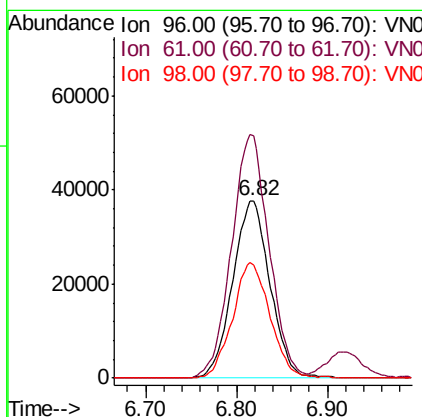
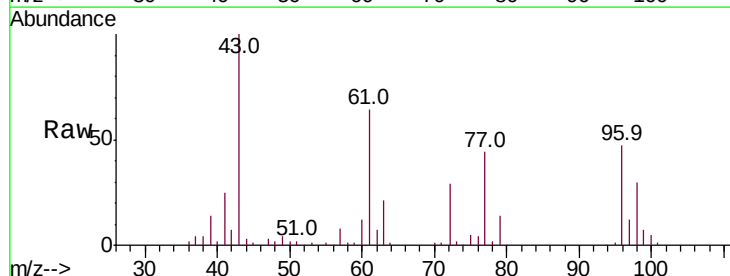
Manual Integrations
 APPROVED

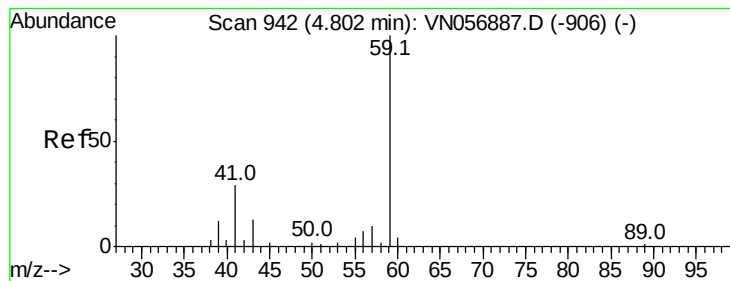
MMDadoda
 8/2/2019 11:18:26 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.859 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	107349		
61	137.7		111.6	167.4
98	65.1		51.0	76.4





#23

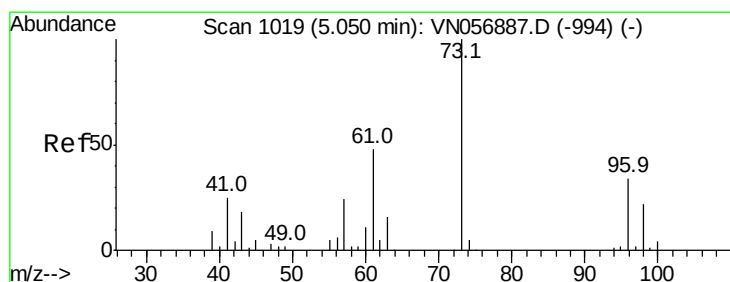
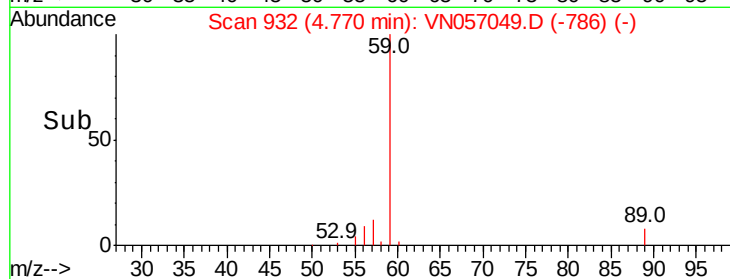
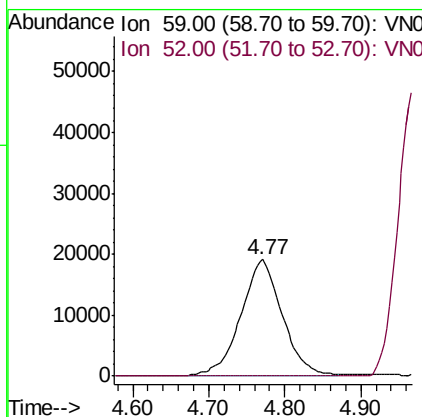
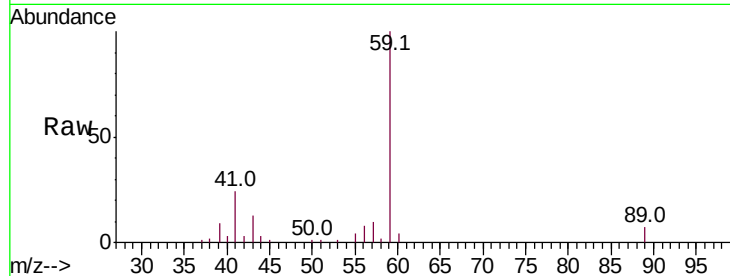
tert-Butyl Alcohol
 Concen: 104.654 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.03 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 72644
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

Manual Integrations
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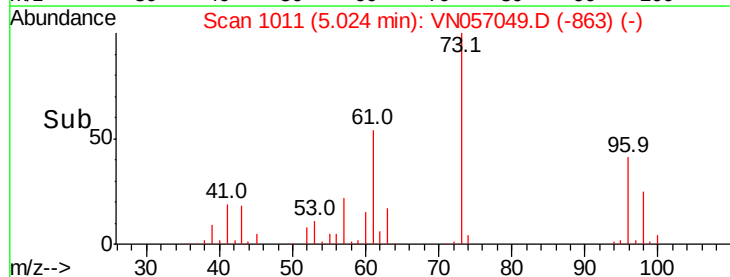
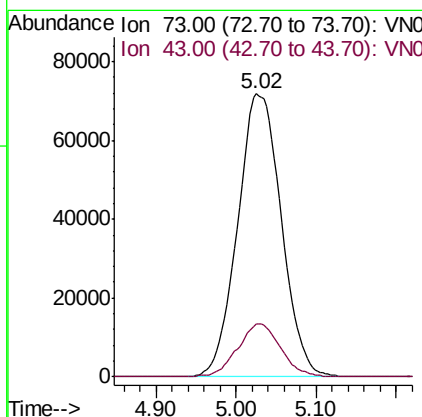
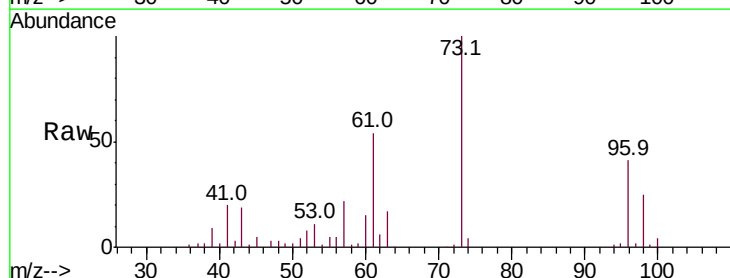
MMDadoda
 8/2/2019 11:18:26 AM

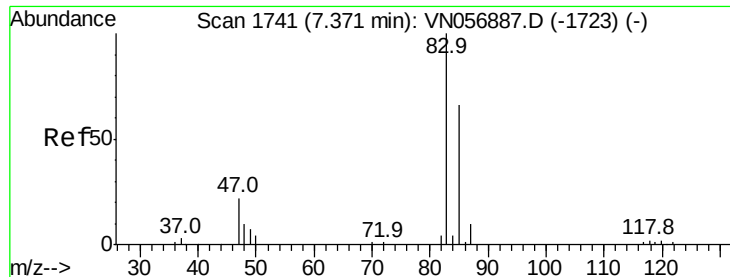


#24

Methyl tert-Butyl Ether
 Concen: 20.048 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.03 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion: 73 Resp: 267119
 Ion Ratio Lower Upper
 73 100
 43 18.1 15.4 23.0





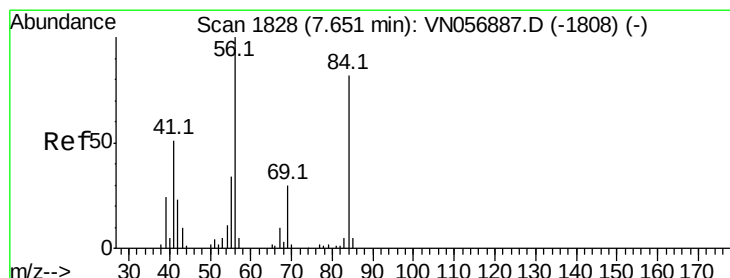
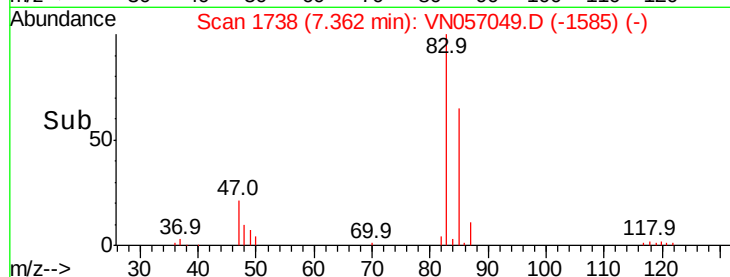
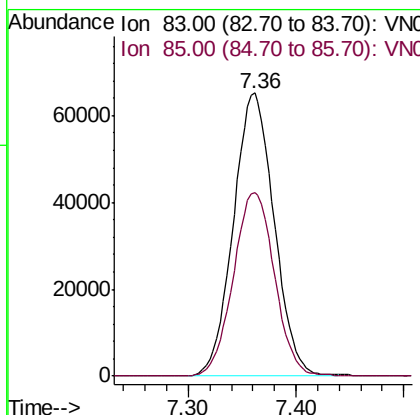
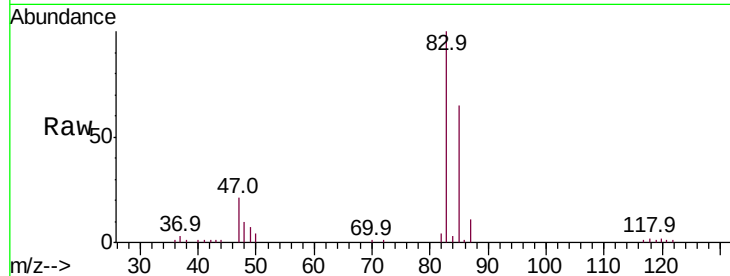
#25
Chloroform
Concen: 20.168 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 171200
Ion Ratio Lower Upper
83 100
85 64.9 53.1 79.7

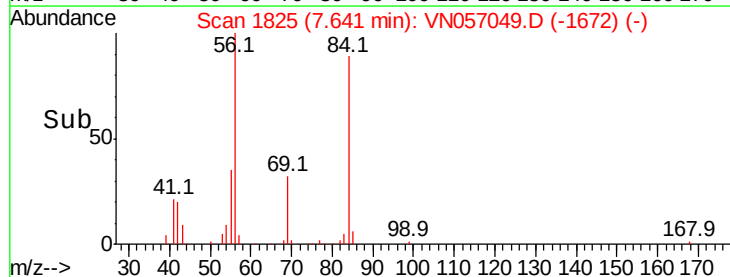
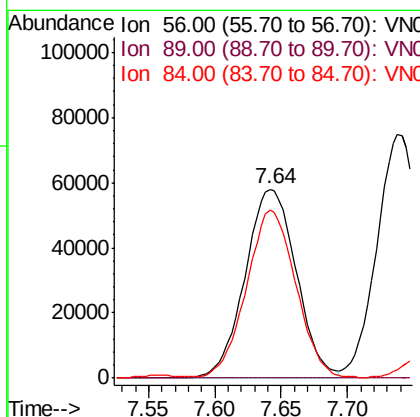
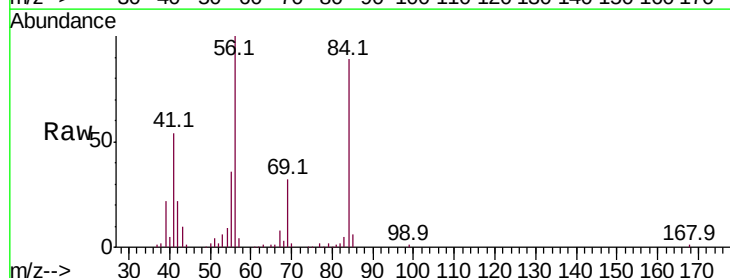
Manual Integrations
APPROVED

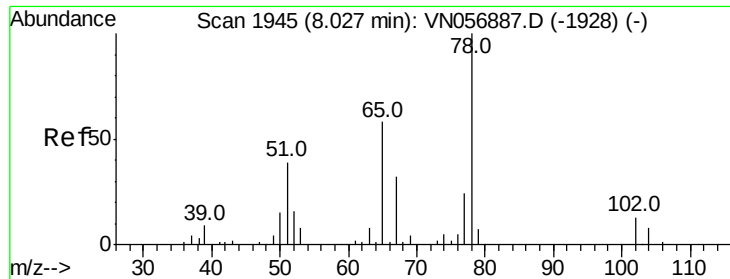
MMDadoda
8/2/2019 11:18:26 AM



#26
Cyclohexane
Concen: 19.528 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion: 56 Resp: 156099
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.3 67.8 101.6





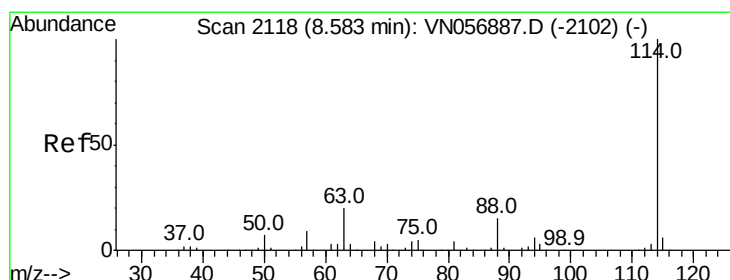
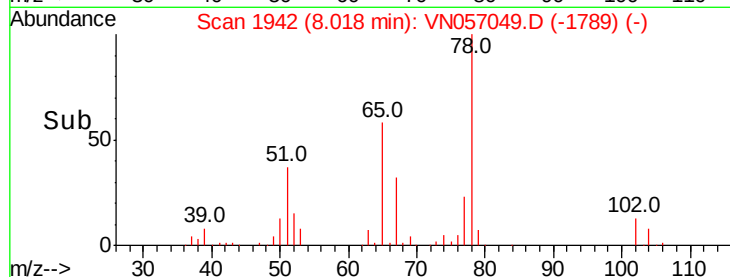
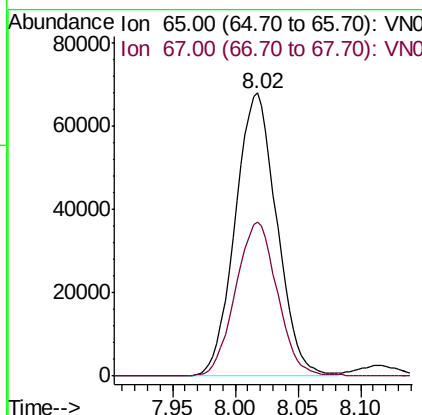
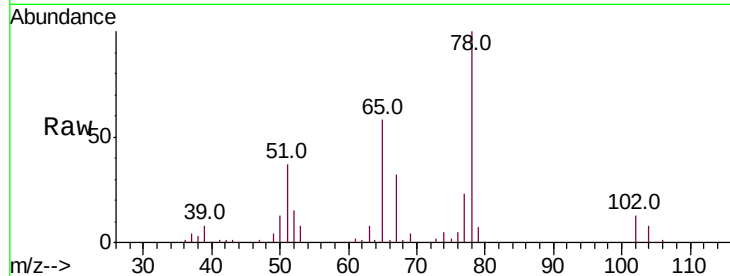
#27
 1,2-Dichloroethane-d4
 Concen: 29.023 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	44.6	66.8

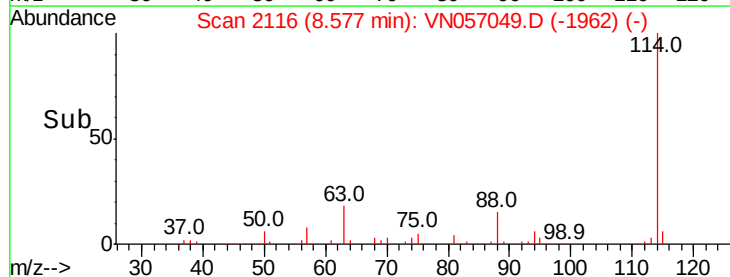
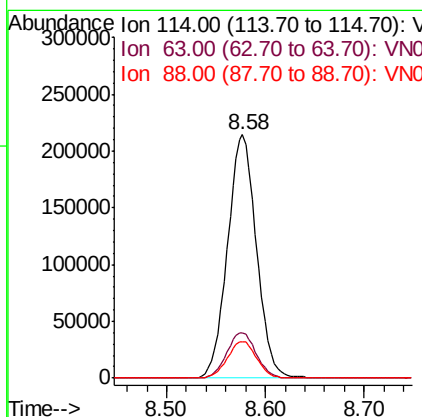
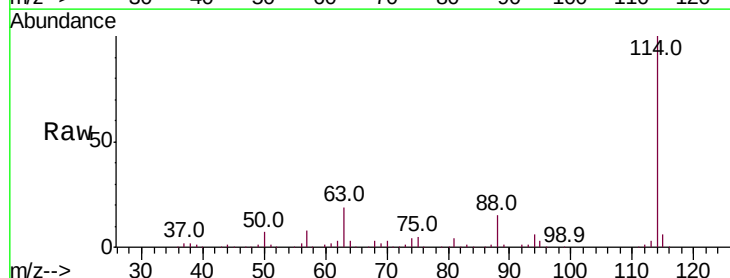
Manual Integrations
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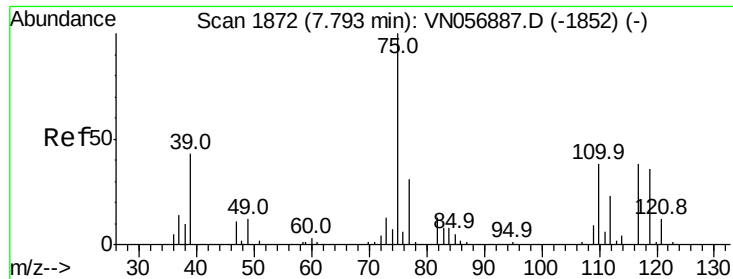
MMDadoda
 8/2/2019 11:18:26 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	15.8	23.6
88	15.2	12.5	18.7





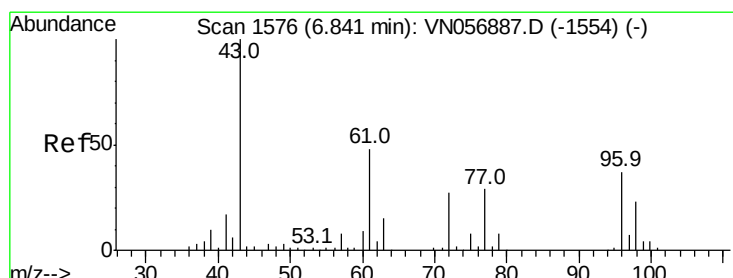
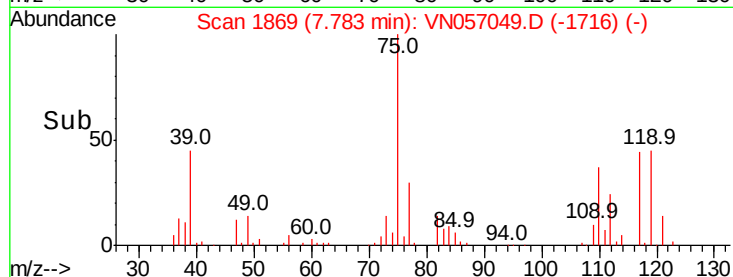
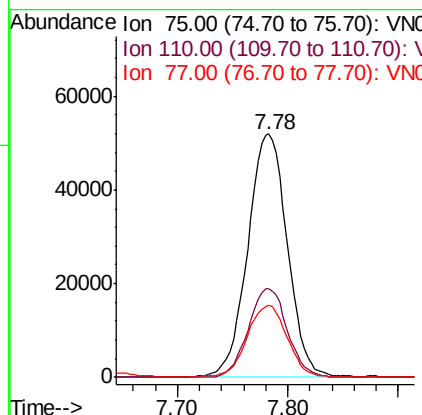
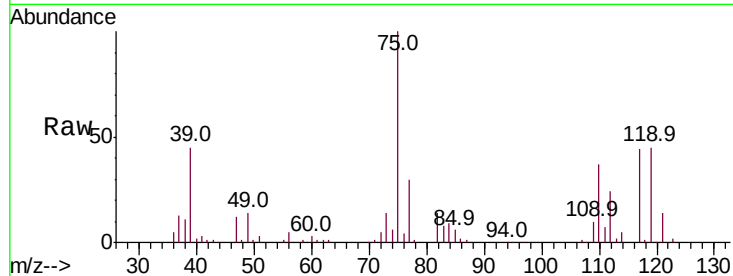
#29
 1,1-Dichloropropene
 Concen: 20.731 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.9	0.0	75.8	
77	29.9	0.0	64.0	

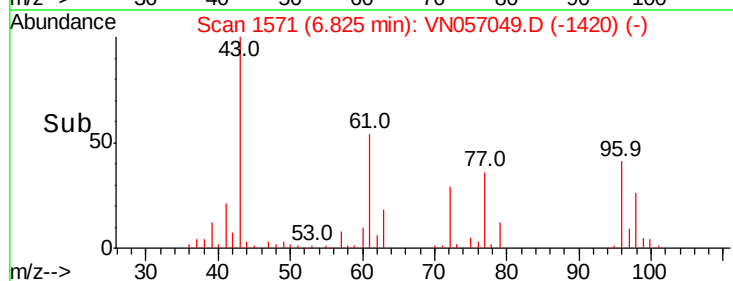
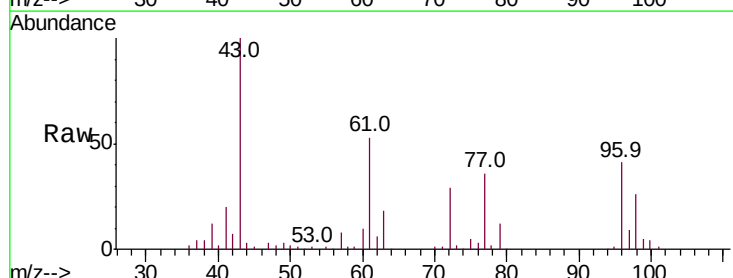
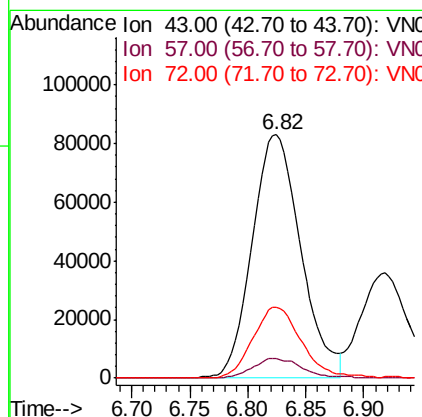
Manual Integrations
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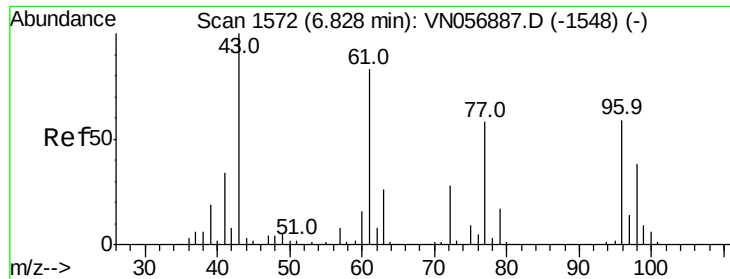
MMDadoda
 8/2/2019 11:18:26 AM



#30
 2-Butanone
 Concen: 96.787 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.9	6.5	9.7	
72	29.2	22.1	33.1	





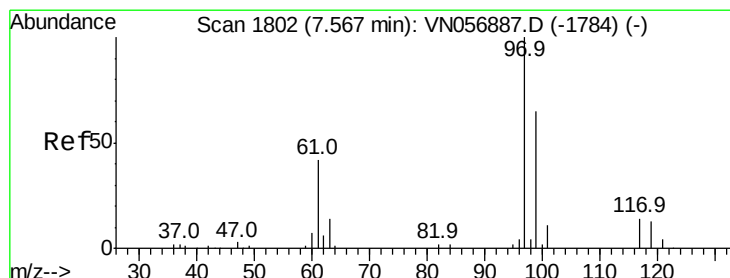
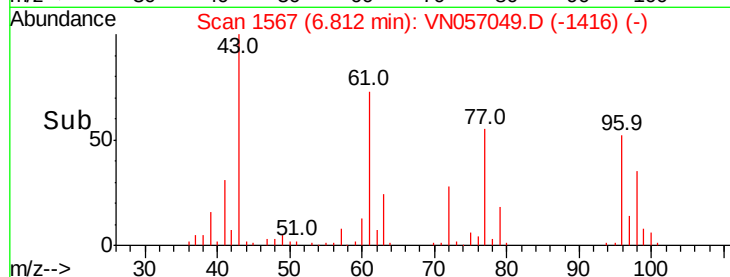
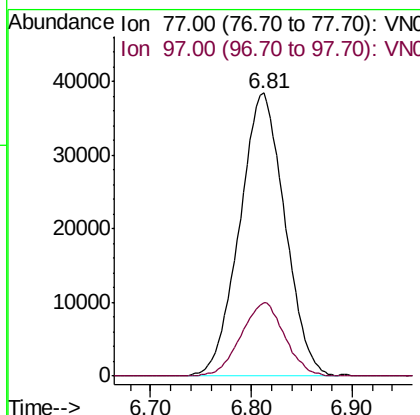
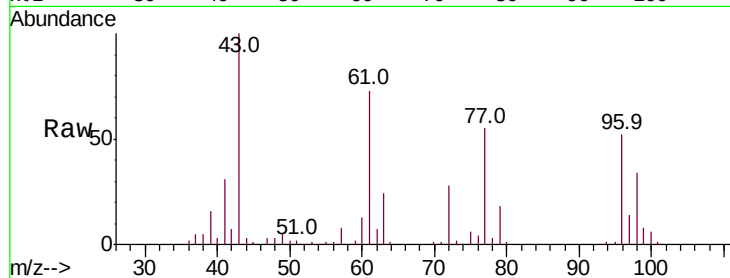
#31
 2,2-Dichloropropane
 Concen: 20.697 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 119589
 Ion Ratio Lower Upper
 77 100
 97 25.1 19.3 28.9

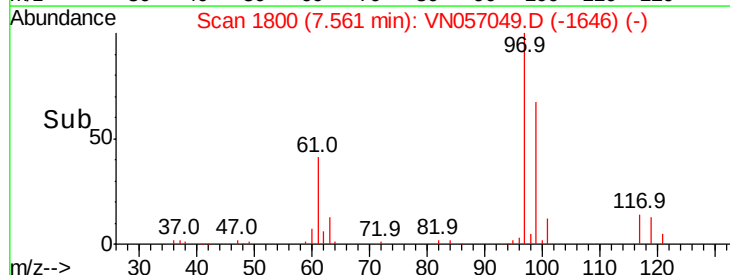
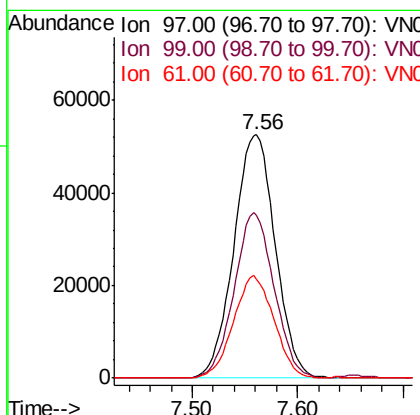
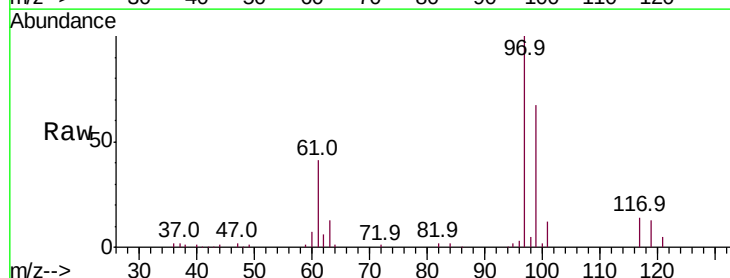
Manual Integrations
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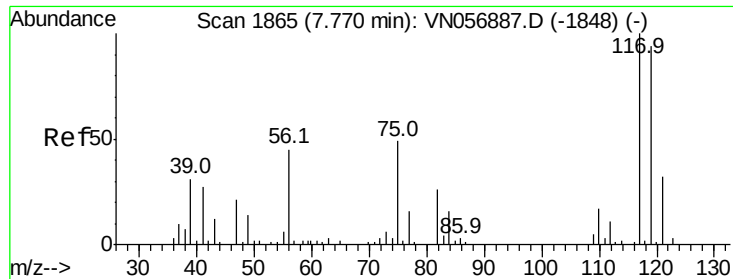
MMDadoda
 8/2/2019 11:18:26 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.932 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion: 97 Resp: 143205
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.3 78.5
 61 41.2 34.4 51.6





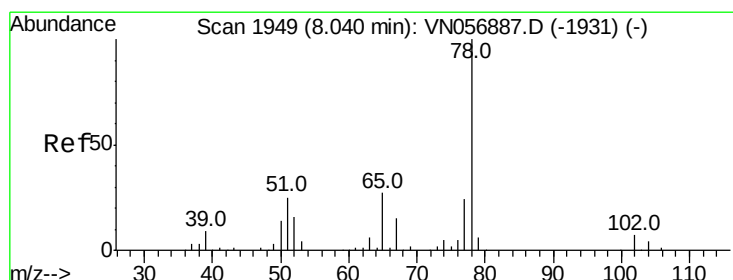
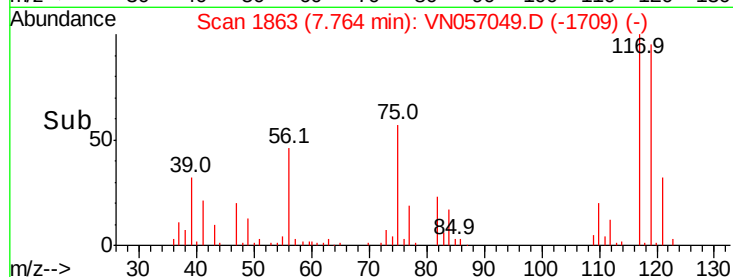
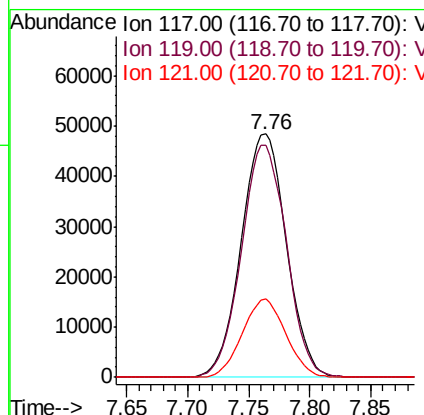
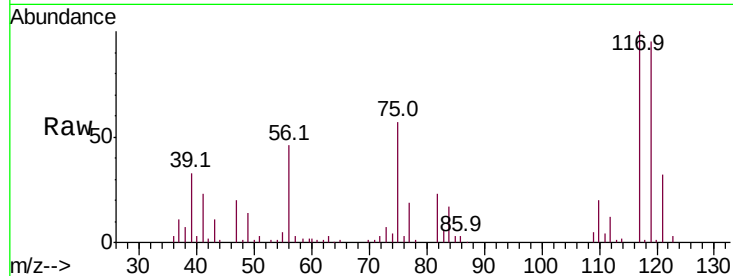
#33
Carbon Tetrachloride
Concen: 20.783 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
121	32.0	25.8	38.8

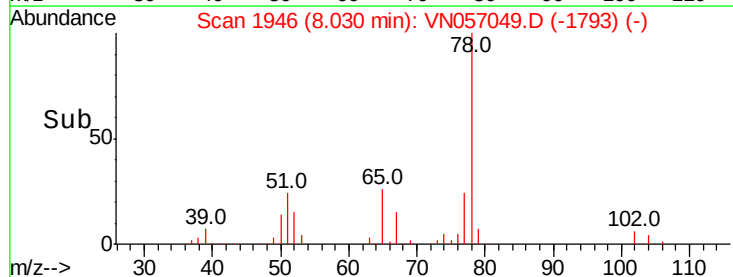
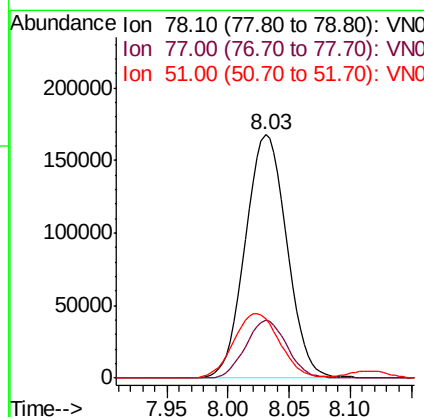
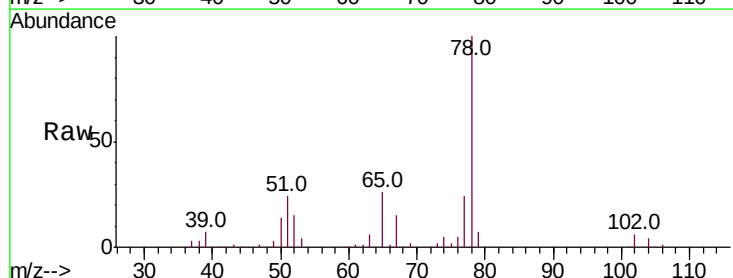
Manual Integrations
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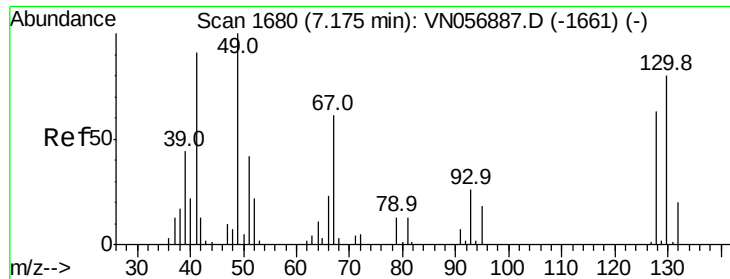
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#34
Benzene
Concen: 20.110 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.2
51	24.4	20.4	30.6





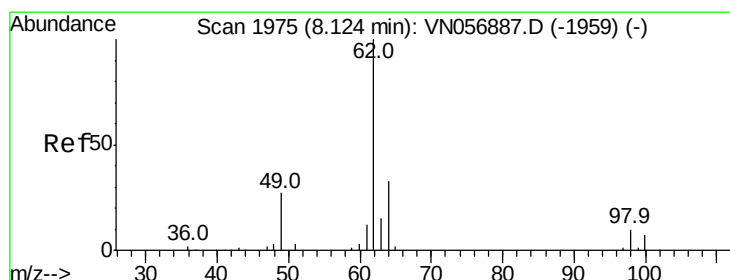
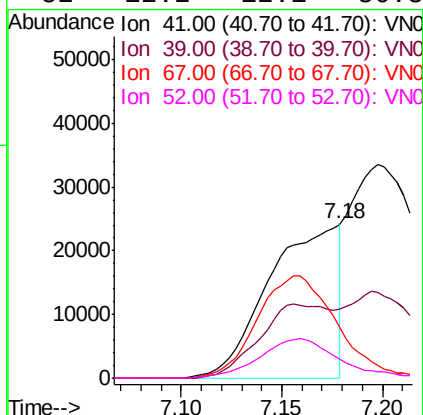
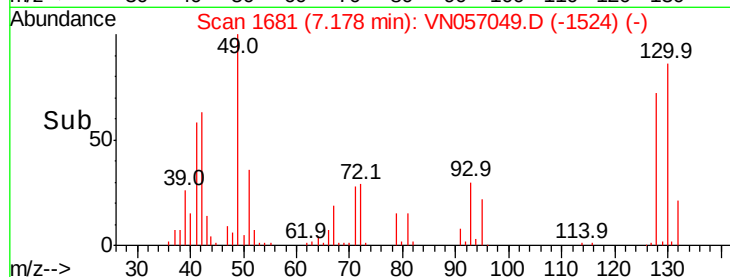
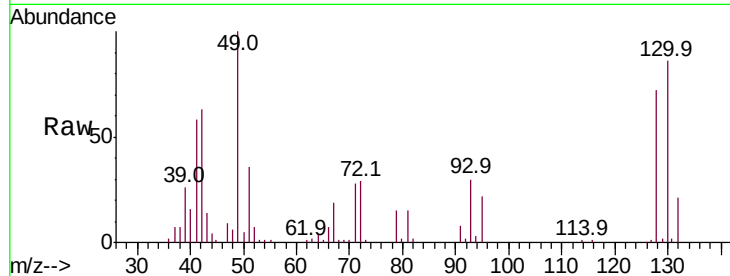
#35
Methacrylonitrile
Concen: 23.383 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.7	24.4	73.2
67	33.3	33.4	100.1#
52	12.2	12.1	36.3

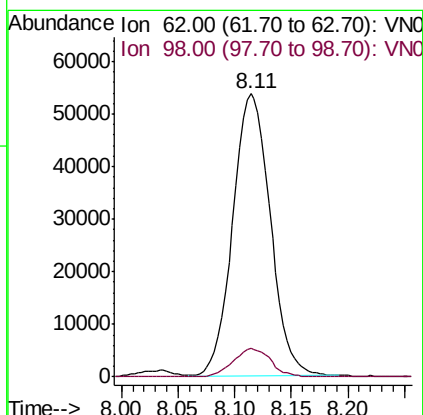
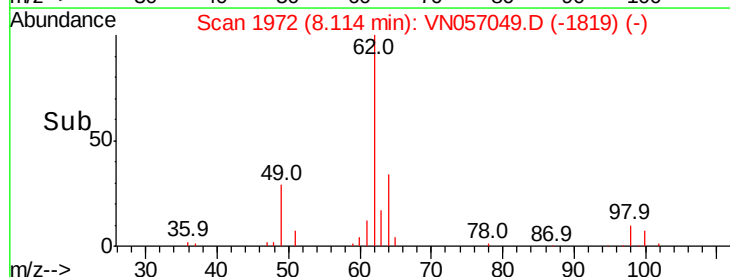
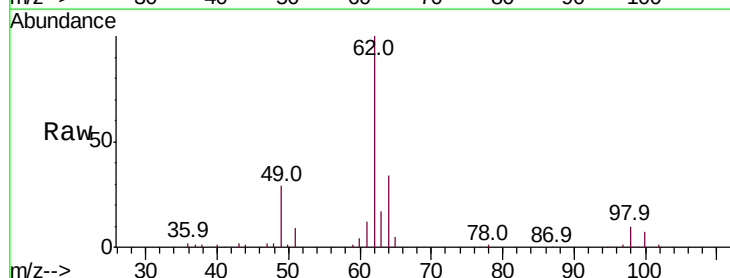
Manual Integrations
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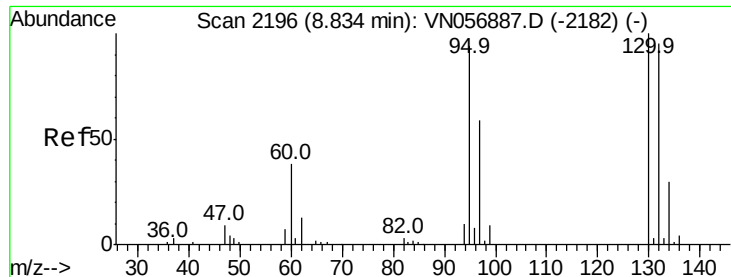
MMDadoda
8/2/2019 11:18:26 AM



#36
1,2-Dichloroethane
Concen: 20.366 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.7	11.5





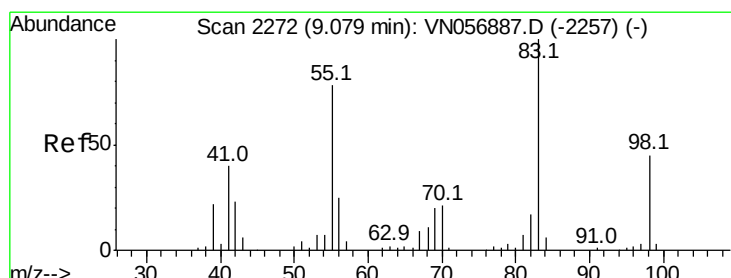
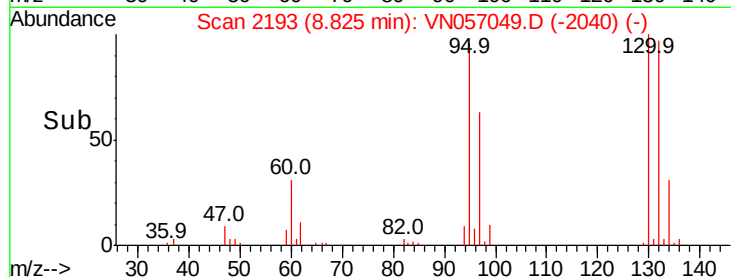
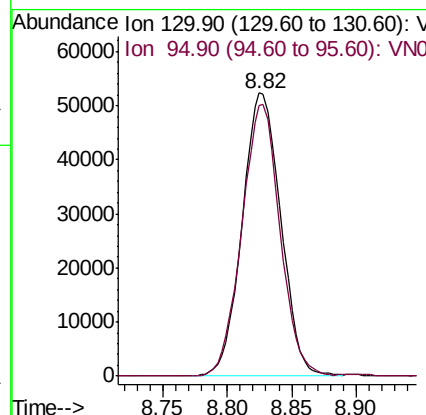
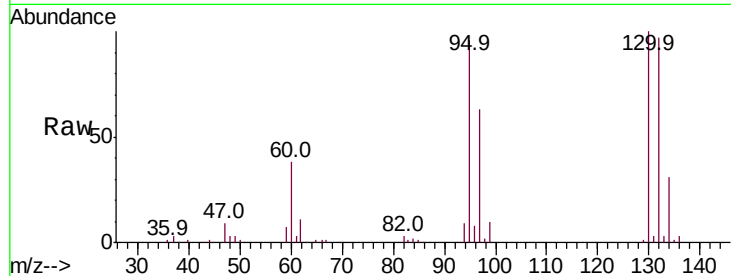
#37
 Trichloroethene
 Concen: 20.731 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
130	100	109038		
95	95.5	74.9	112.3	

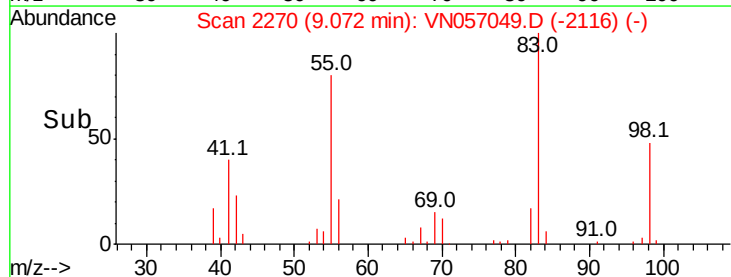
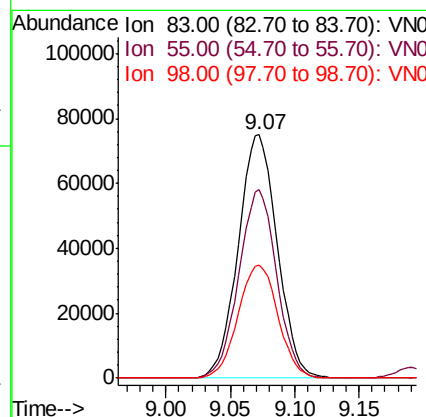
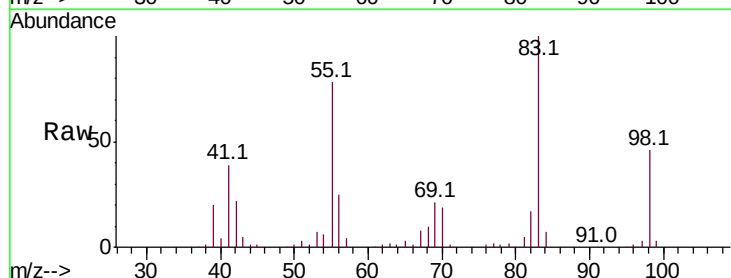
Manual Integrations
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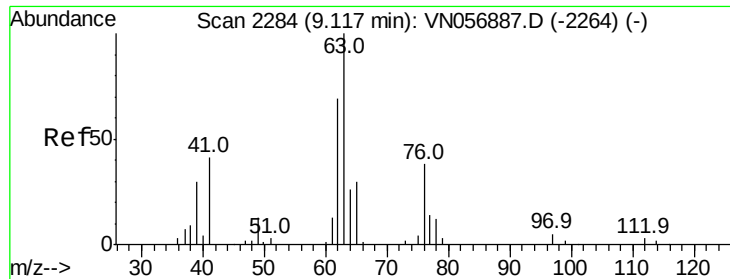
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.951 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	158025		
55	75.0	38.4	115.1	
98	47.5	22.7	68.0	





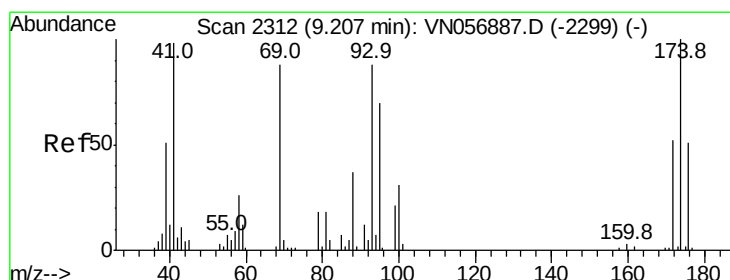
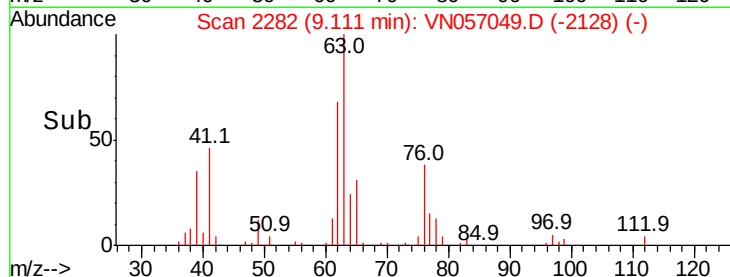
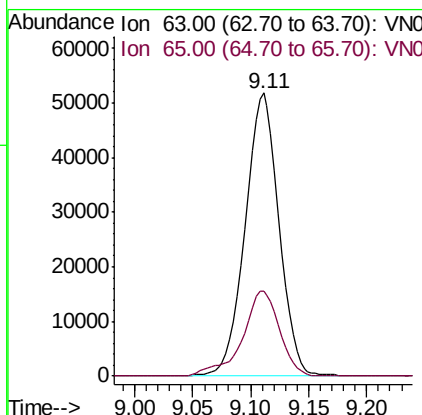
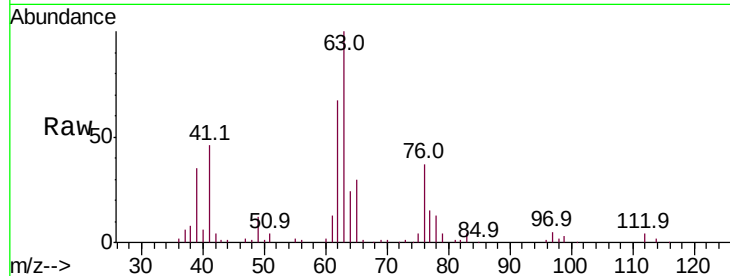
#39
 1,2-Dichloropropane
 Concen: 20.109 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	36.8

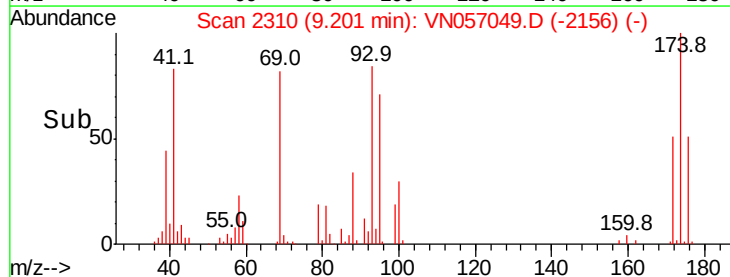
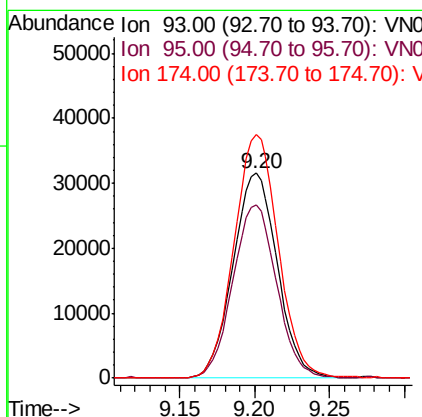
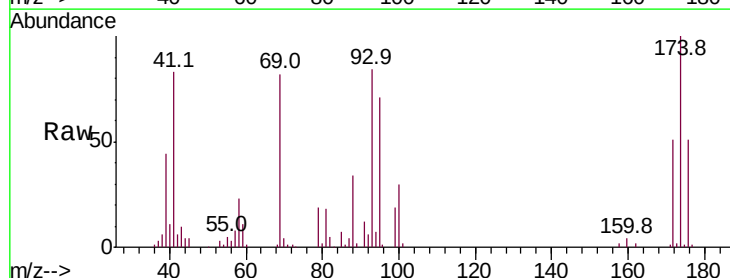
Manual Integrations
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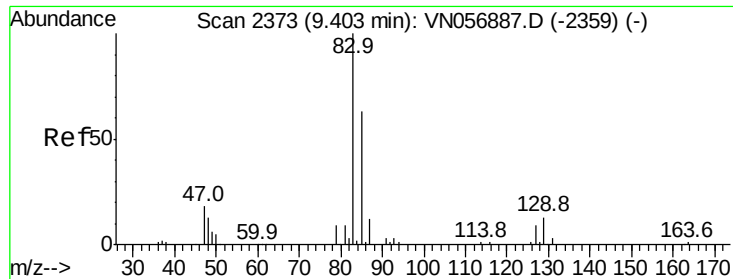
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#40
 Dibromomethane
 Concen: 20.275 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	165.8
174	118.6	0.0	232.4





#41

Bromodichloromethane

Concen: 20.118 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

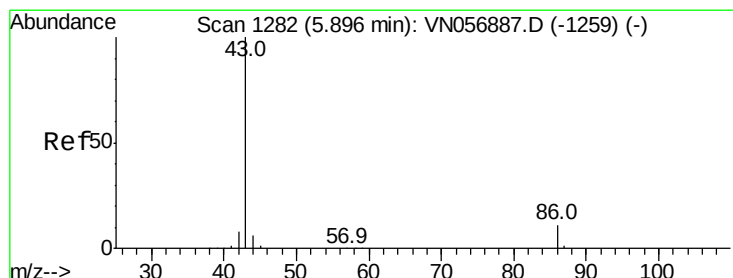
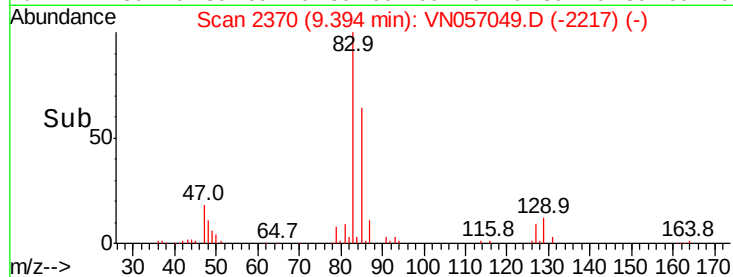
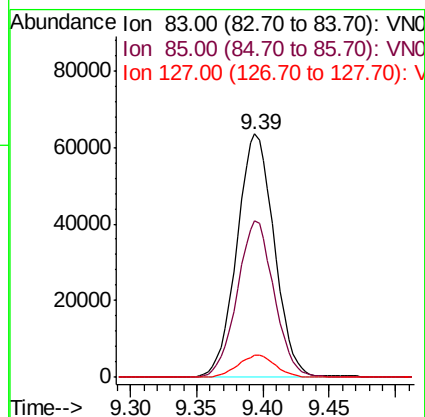
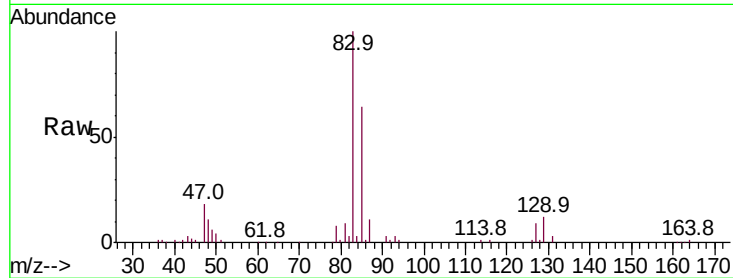
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	124194
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.6	75.8
127	9.0	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 96.646 ug/l

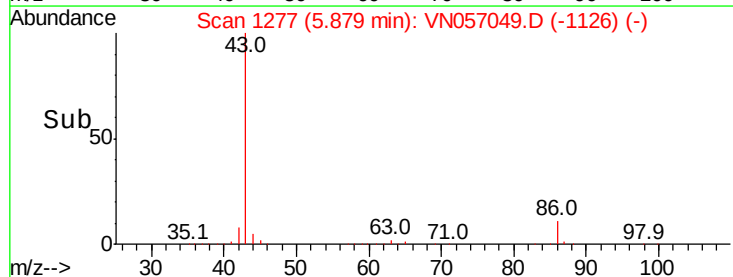
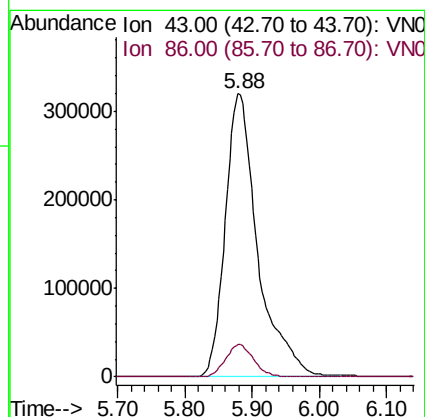
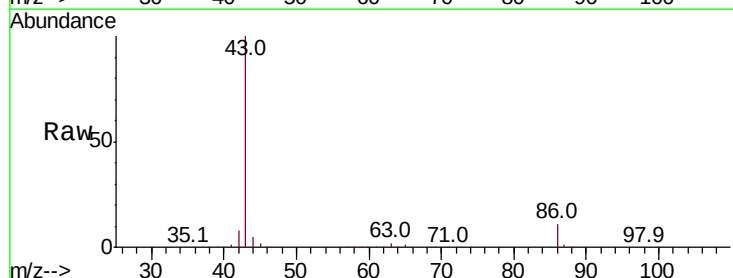
RT: 5.88 min Scan# 1277

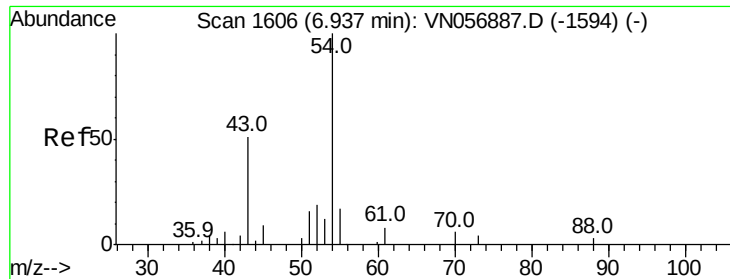
Delta R.T. -0.02 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion:	43	Resp:	1076676
Ion Ratio	Lower	Upper	
43	100		
86	9.9	7.4	11.2





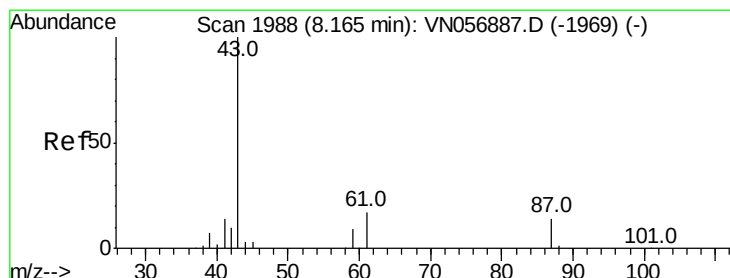
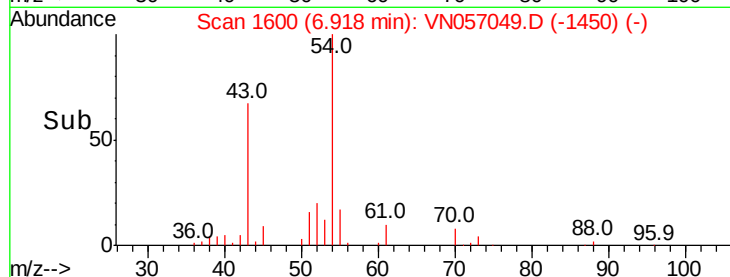
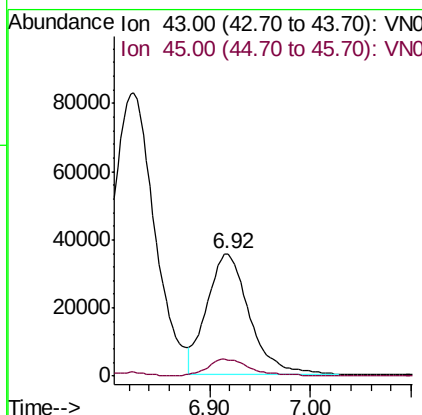
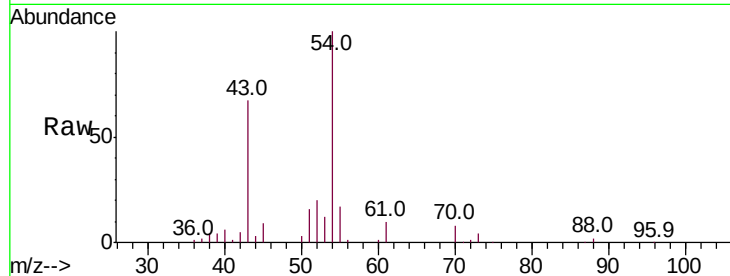
#43
Ethyl Acetate
Concen: 20.207 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.02 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 103628
Ion Ratio Lower Upper
43 100
45 14.5 10.2 15.2

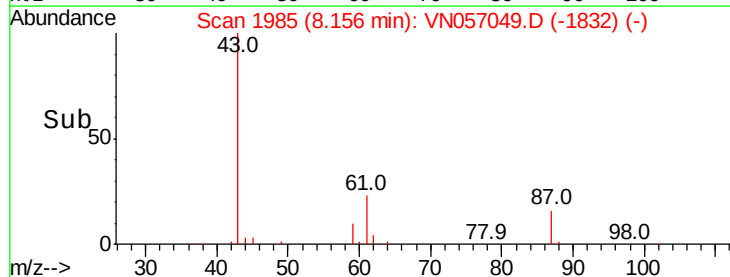
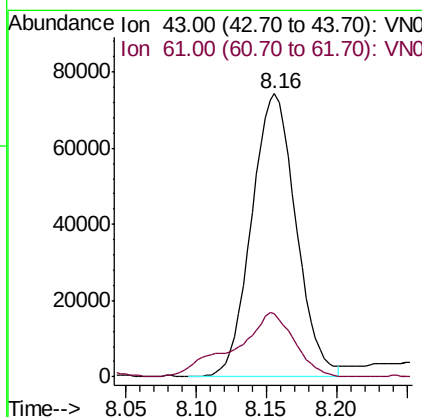
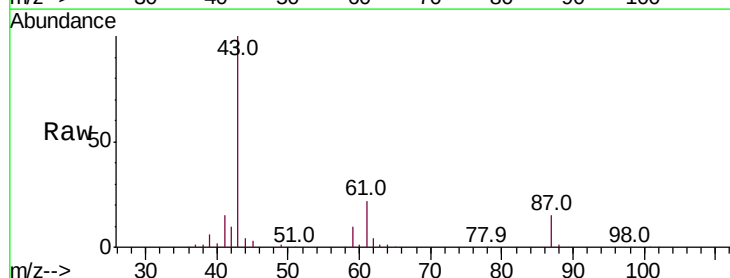
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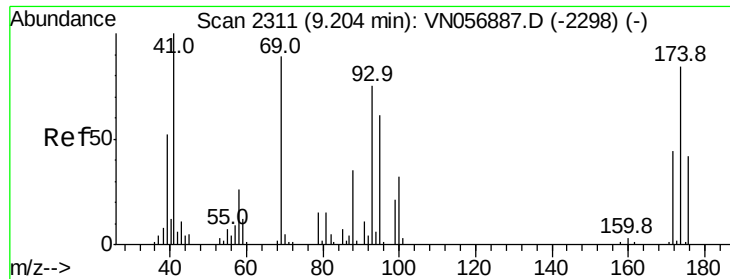
MMDadoda
8/2/2019 11:18:26 AM



#44
Isopropyl Acetate
Concen: 19.164 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion: 43 Resp: 163814
Ion Ratio Lower Upper
43 100
61 22.0 23.0 34.4#





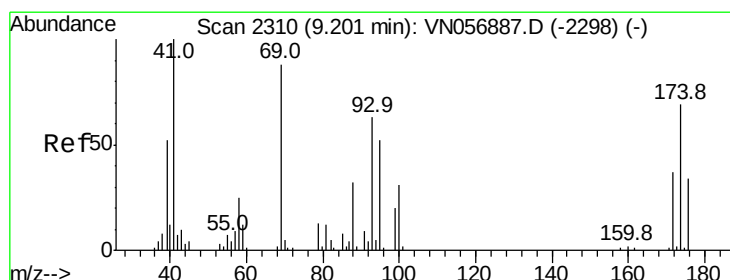
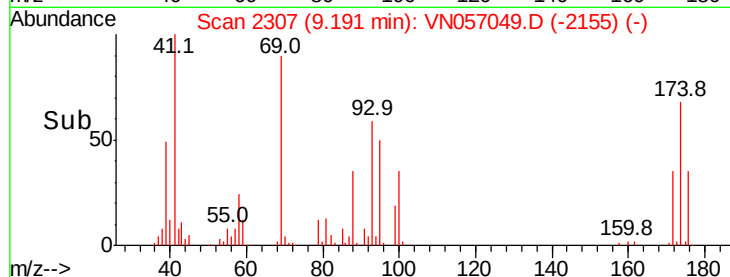
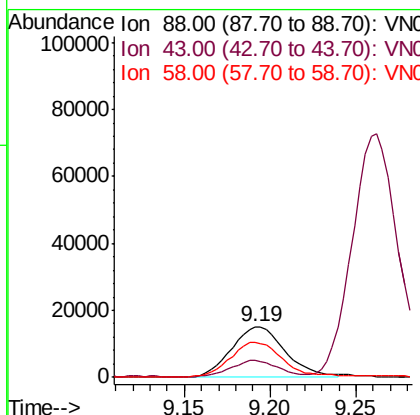
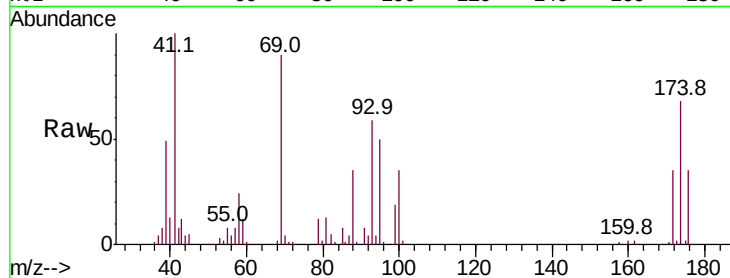
#45
 1,4-Dioxane
 Concen: 405.030 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	32961
Ion	Ratio	Lower	Upper
88	100		
43	27.1	23.4	35.0
58	68.3	58.5	87.7

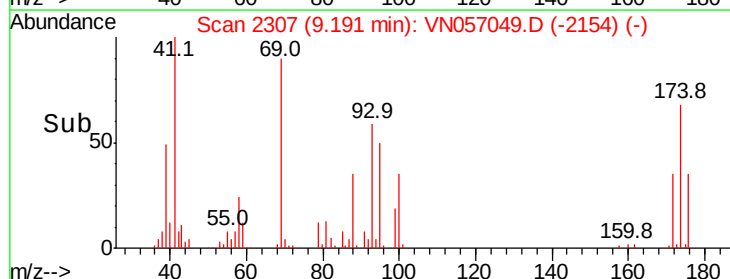
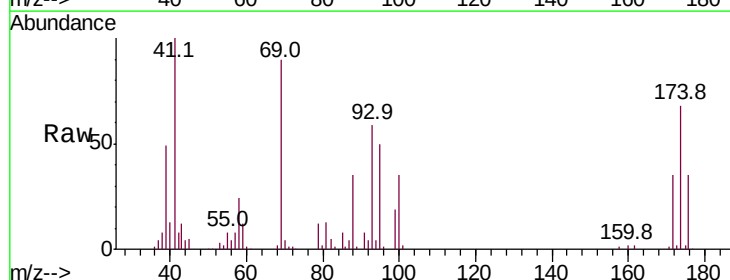
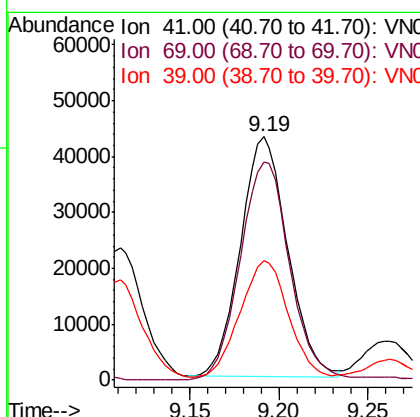
Manual Integrations
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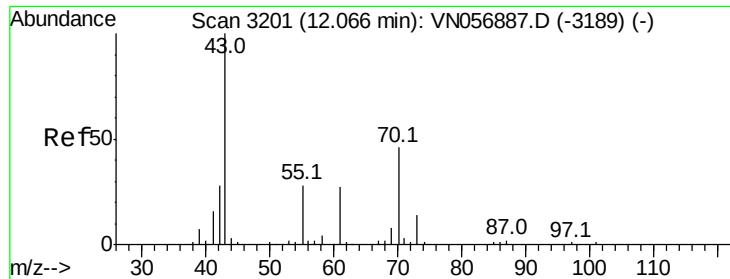
MMDadoda
 8/2/2019 11:18:26 AM



#46
 Methyl methacrylate
 Concen: 18.655 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	41	Resp	79555
Ion	Ratio	Lower	Upper
41	100		
69	91.1	44.0	132.0
39	48.3	25.8	77.4





#47

n-amvl Acetate

Concen: 18.255 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 124920

Ion Ratio Lower Upper

43 100

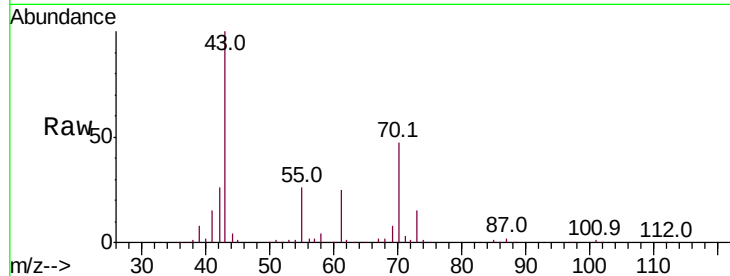
55 26.2 21.3 31.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

80000

60000

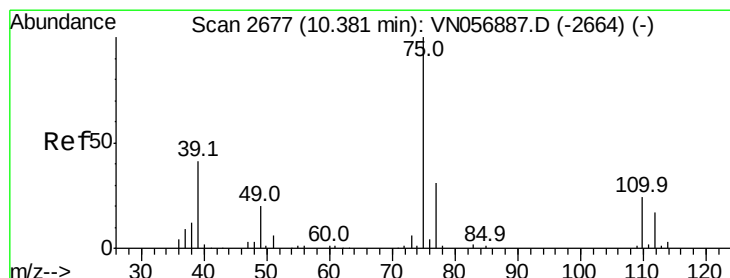
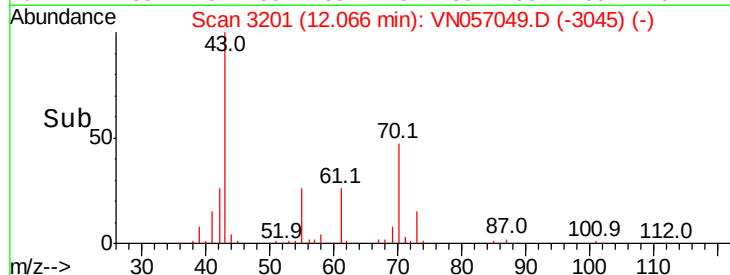
40000

20000

0

12.00 12.05 12.10 12.15

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.769 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN057049.D

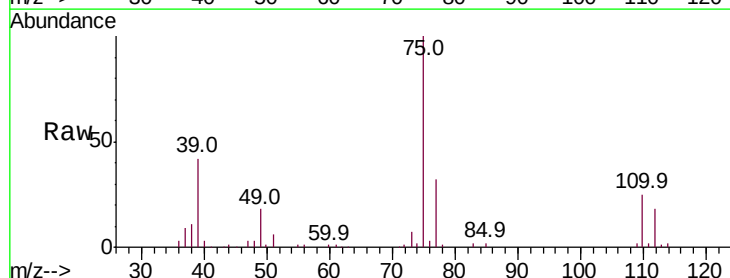
Acq: 1 Aug 2019 19:50

Tgt Ion: 75 Resp: 126992

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

80000

60000

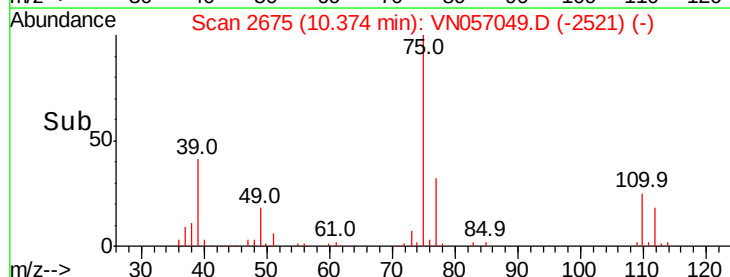
40000

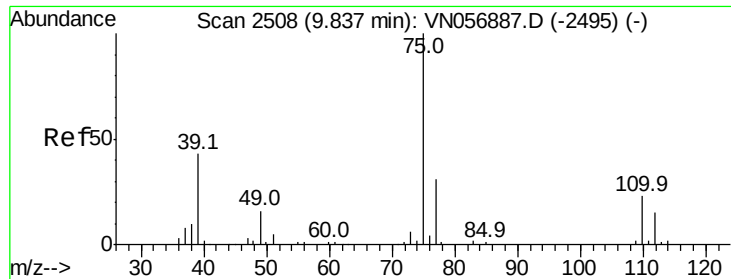
20000

0

10.30 10.40 10.50

Time-->





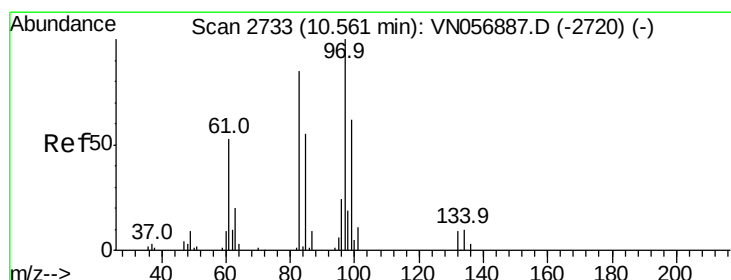
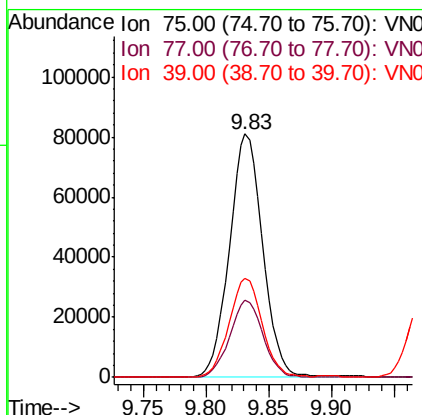
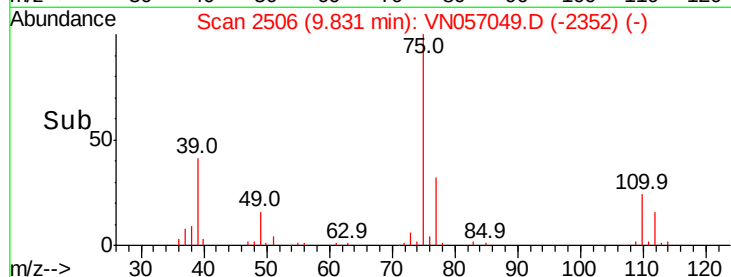
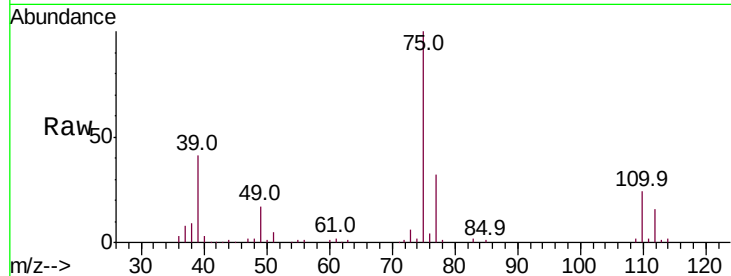
#49
 cis-1,3-Dichloropropene
 Concen: 19.958 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.4	36.6
39	40.8	34.2	51.4

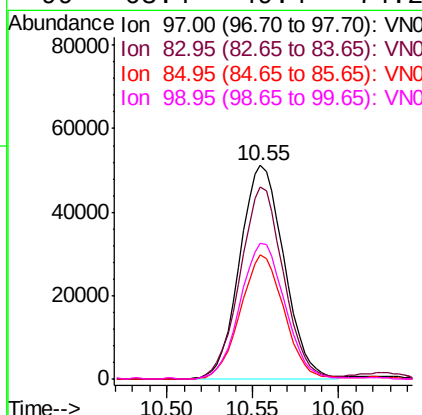
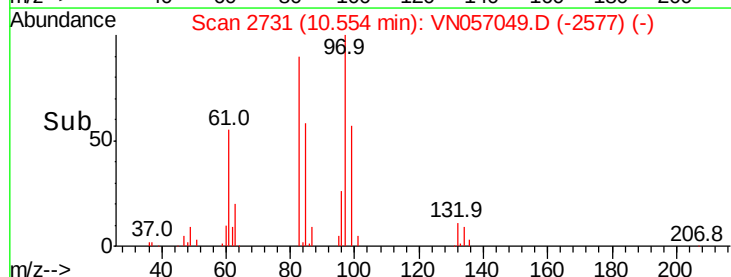
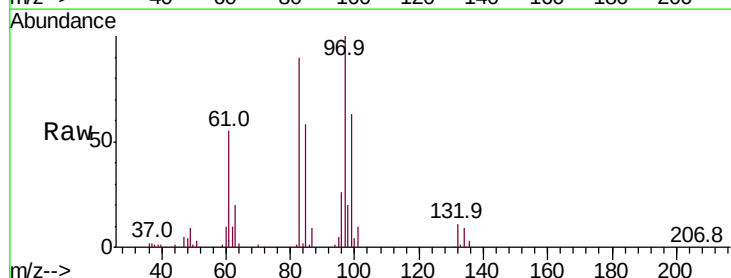
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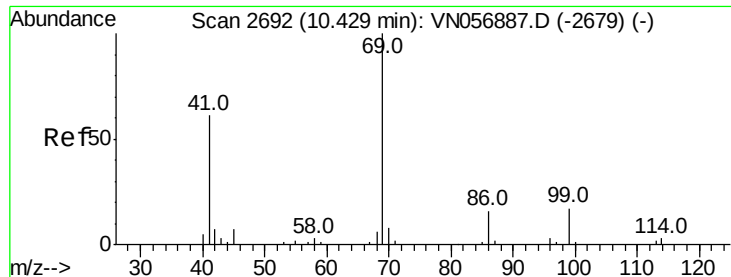
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#50
 1,1,2-Trichloroethane
 Concen: 19.952 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.1	68.4	102.6
85	58.2	44.3	66.5
99	63.4	49.4	74.2





#51

Ethyl methacrylate

Concen: 19.444 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

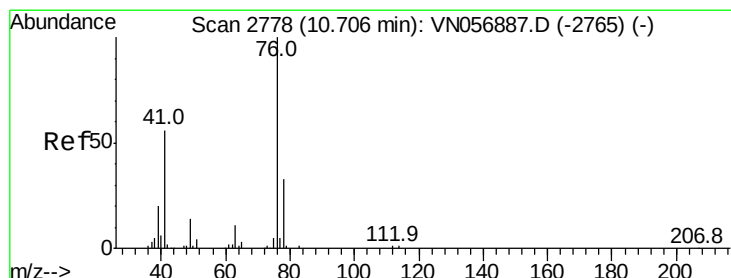
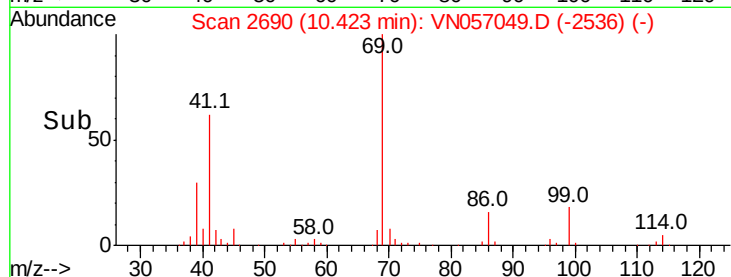
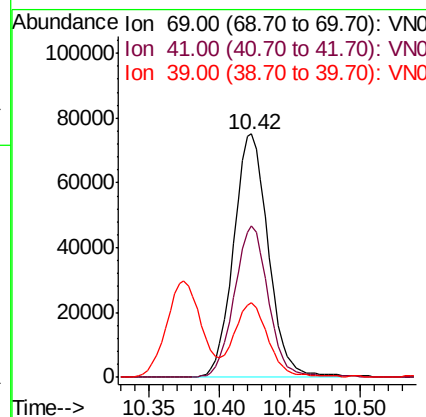
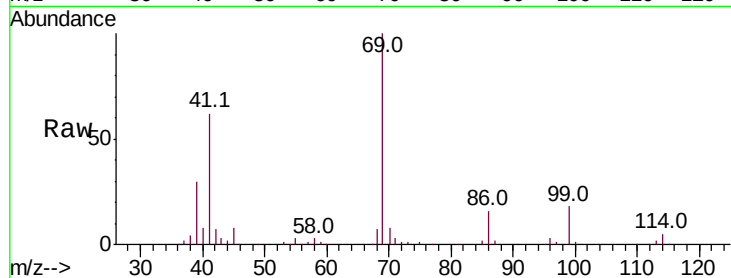
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	129721
Ion Ratio	Lower	Upper	
69	100		
41	61.8	30.4	91.3
39	30.1	14.2	42.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.058 ug/l

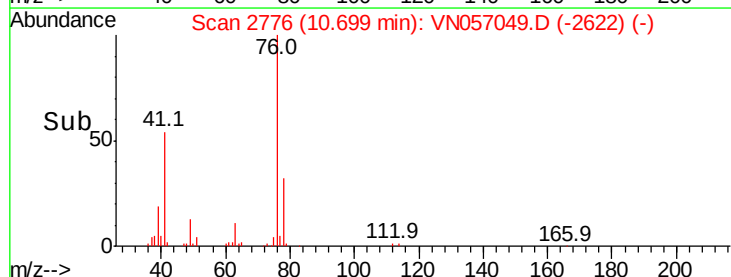
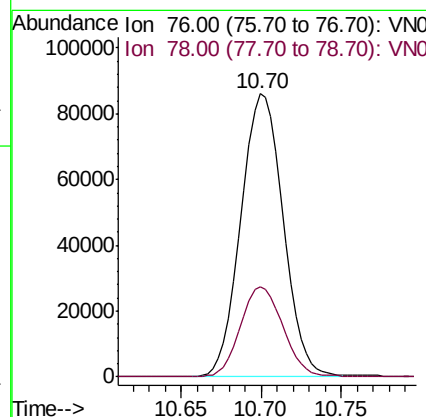
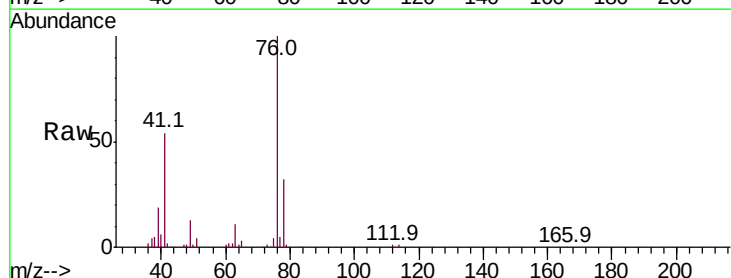
RT: 10.70 min Scan# 2776

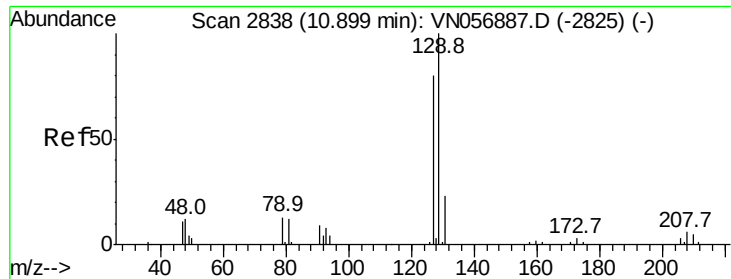
Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion:	76	Resp:	156138
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	64.2





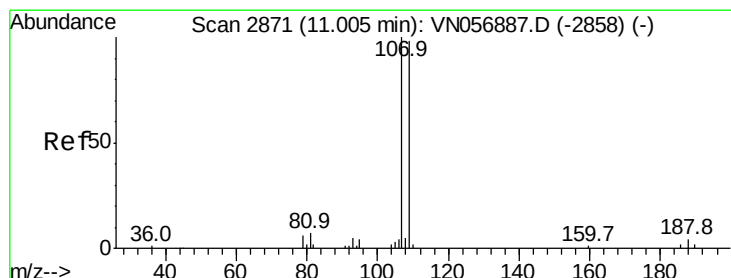
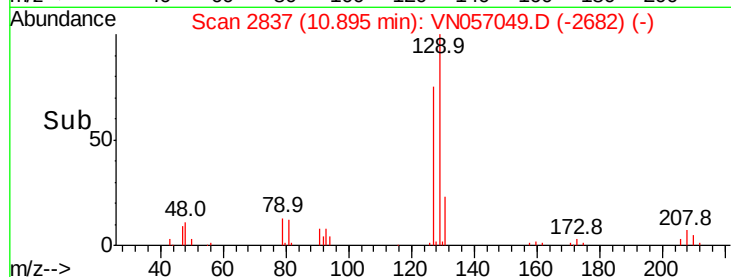
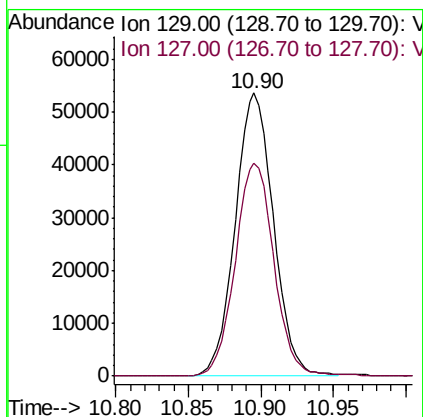
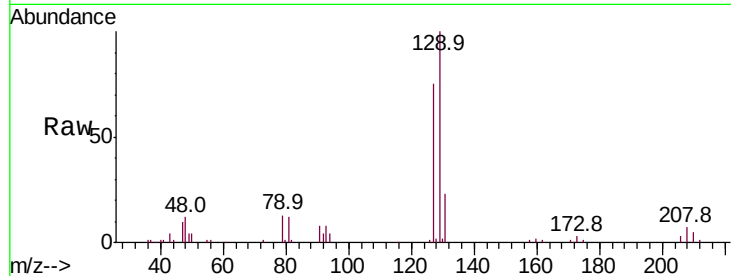
#53
 Dibromochloromethane
 Concen: 20.518 ug/l
 RT: 10.90 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 98373
 Ion Ratio Lower Upper
 129 100
 127 76.4 38.8 116.4

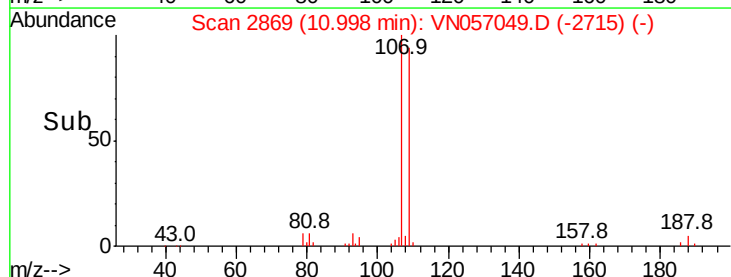
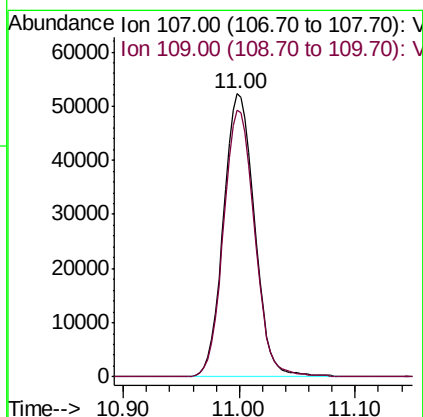
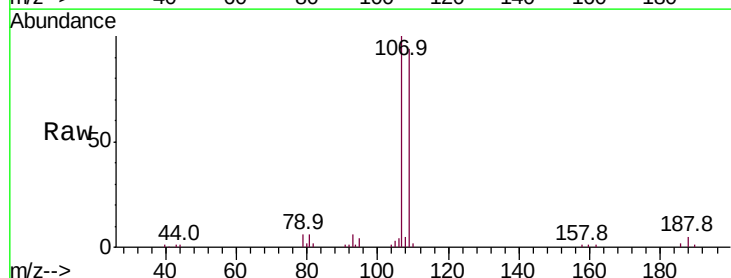
Manual Integrations
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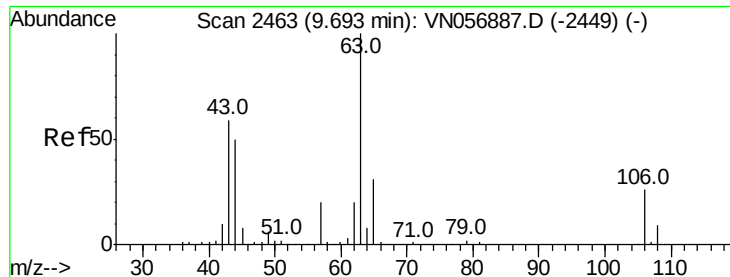
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#54
 1,2-Dibromoethane
 Concen: 20.570 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.01 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion:107 Resp: 96793
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 79.999 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

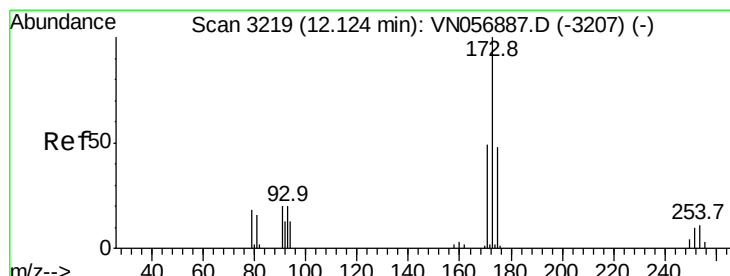
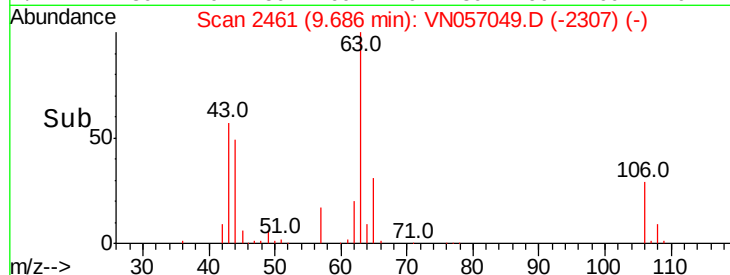
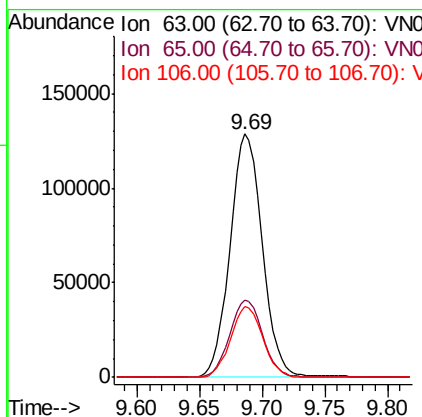
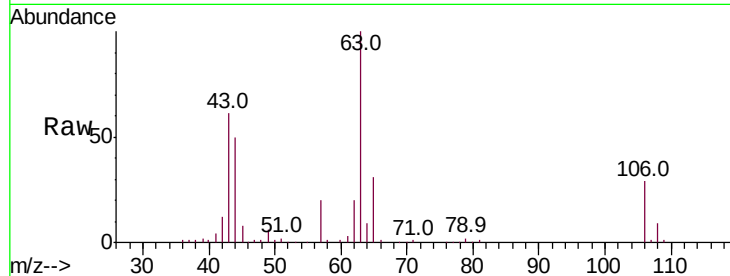
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	231147
Ion Ratio	Lower	Upper	
63	100		
65	32.3	25.1	37.7
106	29.1	21.5	32.3

Manual Integrations
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#56

Bromoform

Concen: 20.392 ug/l

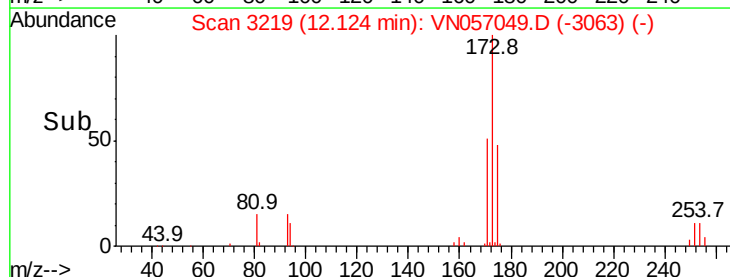
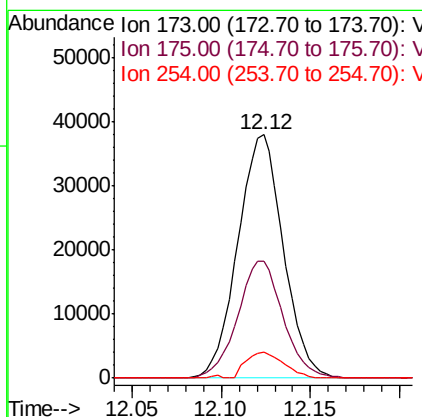
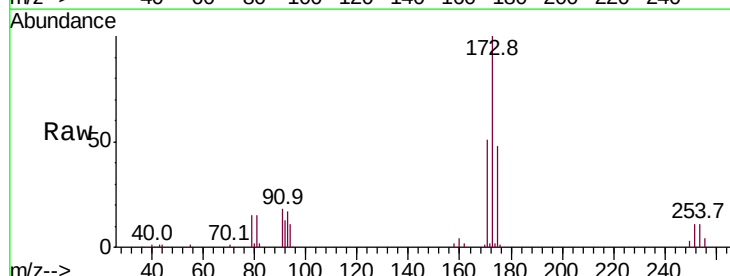
RT: 12.12 min Scan# 3219

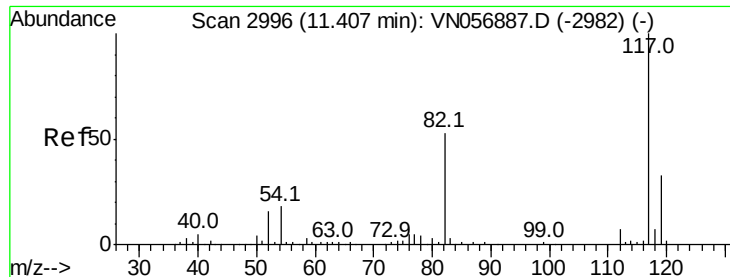
Delta R.T. 0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion:	173	Resp:	67645
Ion Ratio	Lower	Upper	
173	100		
175	48.0	38.8	58.2
254	8.9	8.1	12.1





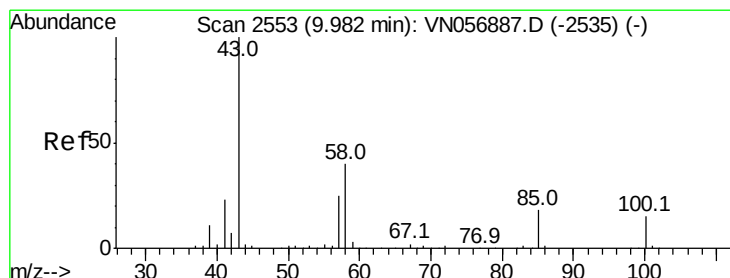
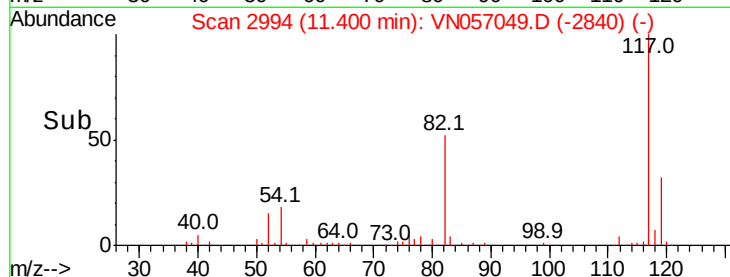
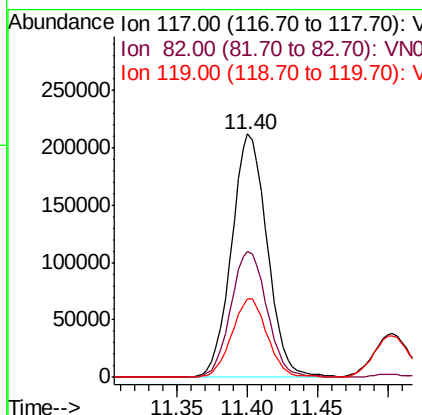
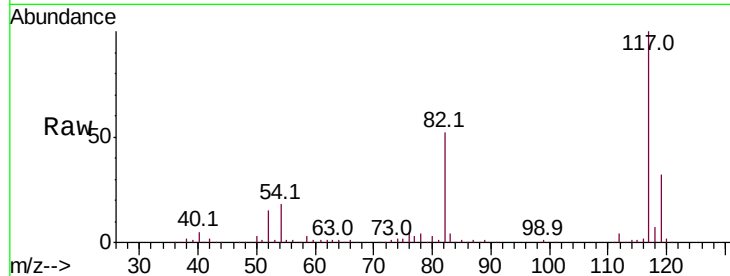
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	375392		
82	52.5	43.0	64.4	
119	32.2	26.2	39.2	

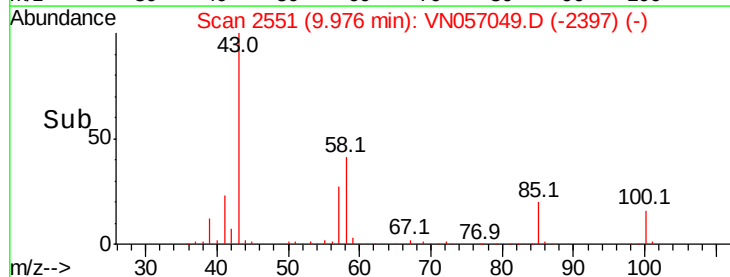
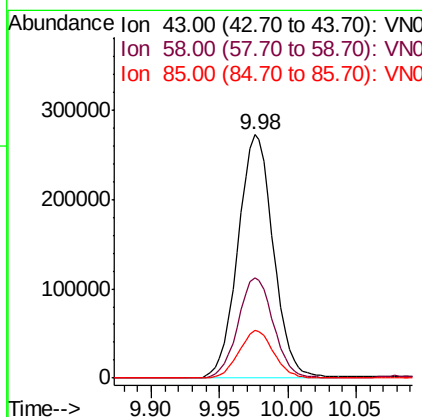
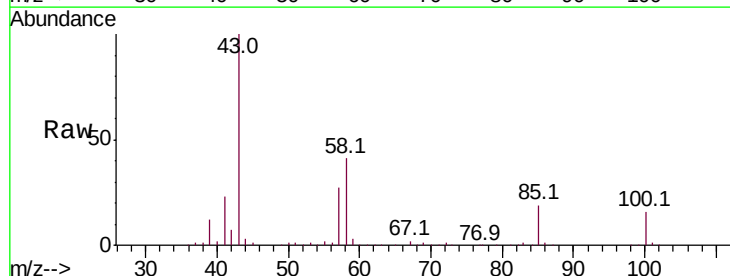
Manual Integrations
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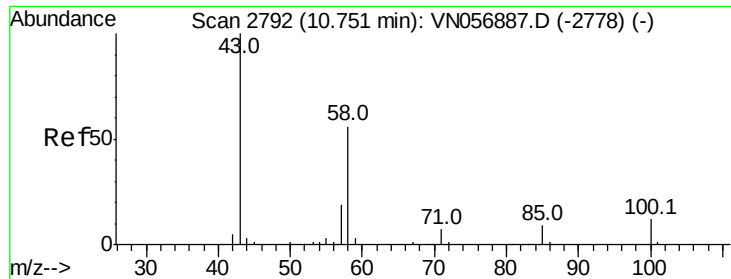
MMDadoda
8/2/2019 11:18:26 AM



#58
4-Methyl-2-Pentanone
Concen: 97.506 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	491197		
58	41.3	31.7	47.5	
85	19.3	14.5	21.7	





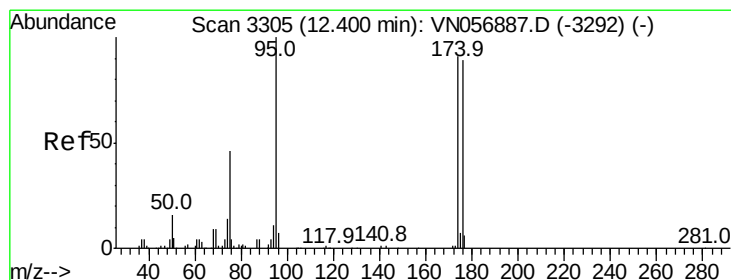
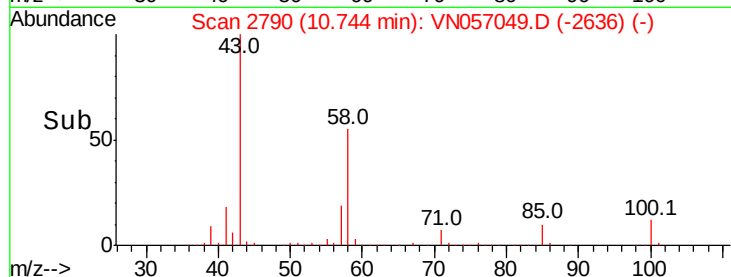
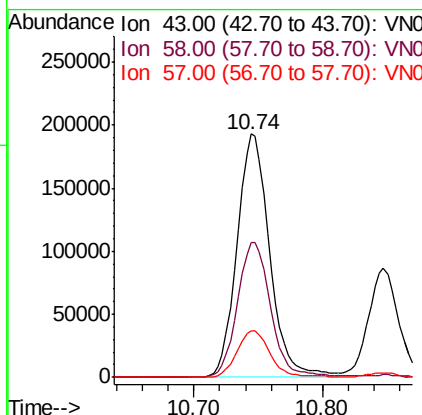
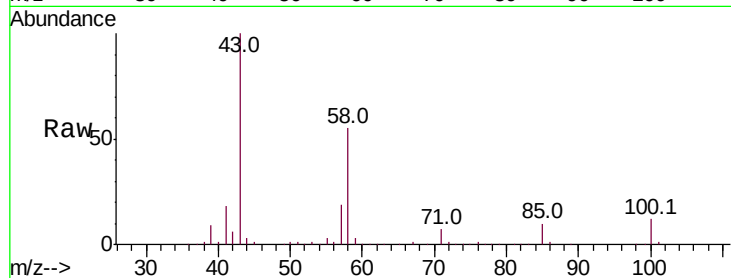
#59
2-Hexanone
Concen: 98.964 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.0	67.4
57	19.5	15.4	23.0

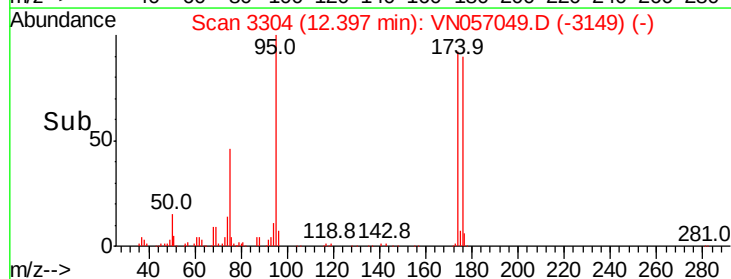
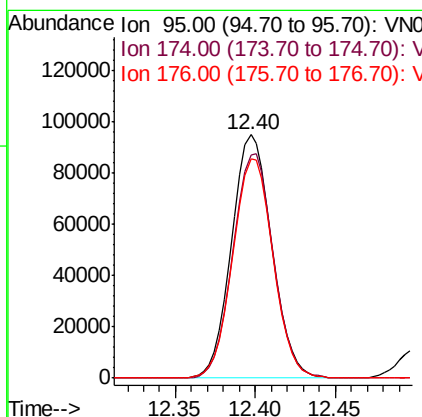
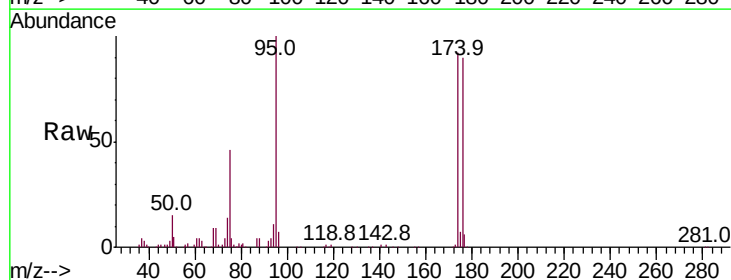
Manual Integrations
APPROVED

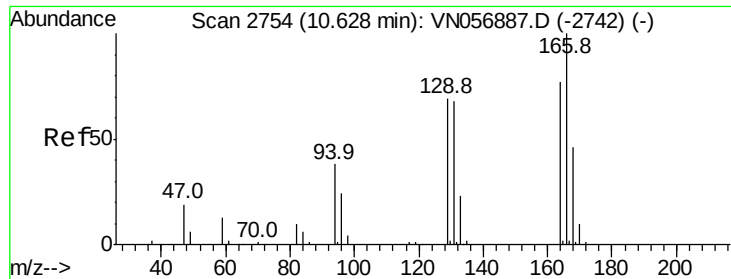
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.872 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.9	71.9	107.9
176	90.5	69.8	104.8





#61

Tetrachloroethene

Concen: 21.611 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 113695

Ion Ratio Lower Upper

164 100

166 125.3 103.9 155.9

129 87.9 72.4 108.6

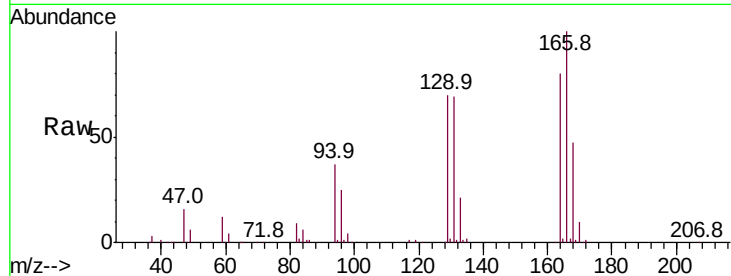
131 87.3 70.3 105.5

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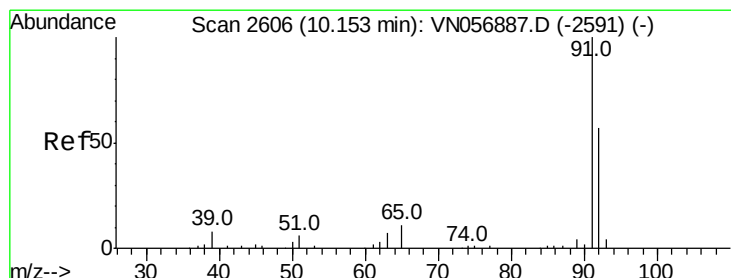
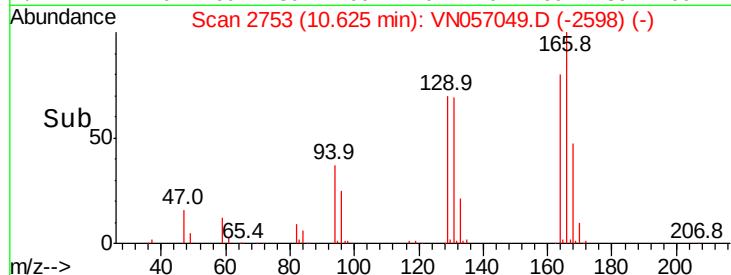
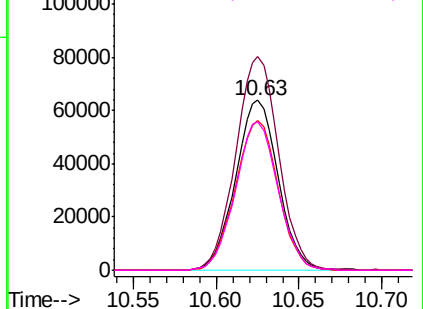
Abundance

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: 20.571 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN057049.D

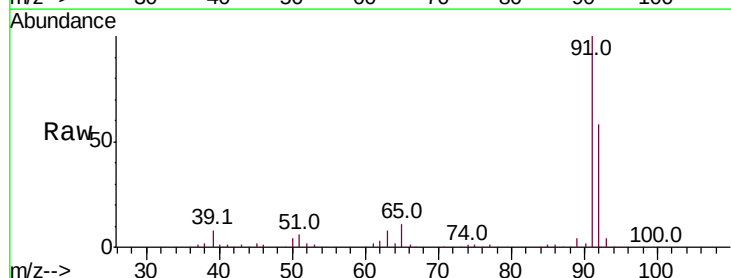
Acq: 1 Aug 2019 19:50

Tgt Ion: 91 Resp: 419974

Ion Ratio Lower Upper

91 100

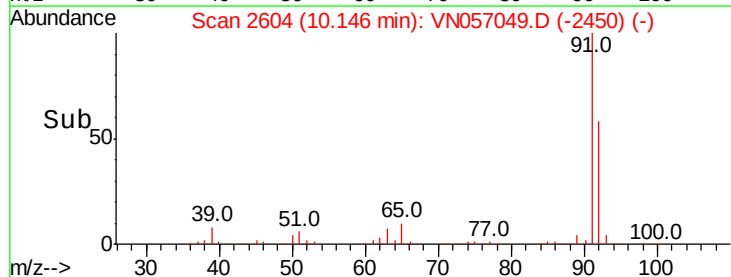
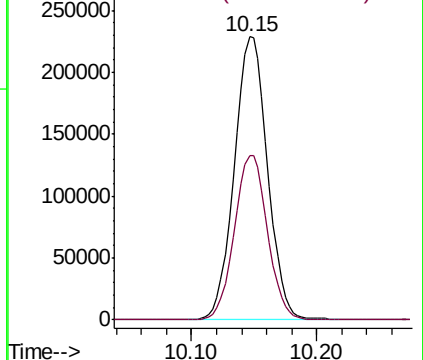
92 58.0 46.1 69.1

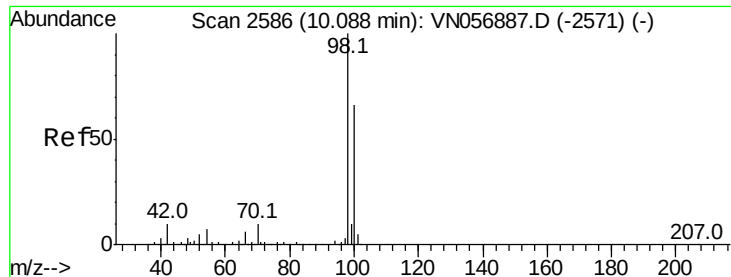


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.236 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 536163

Ion Ratio Lower Upper

98 100

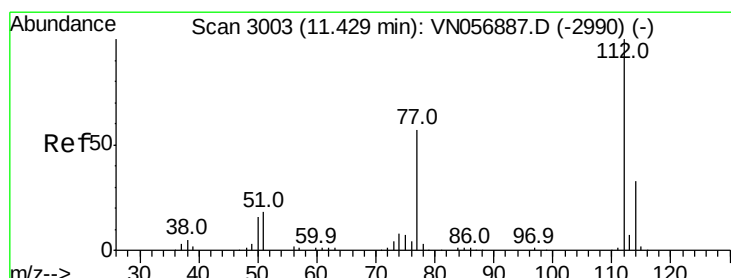
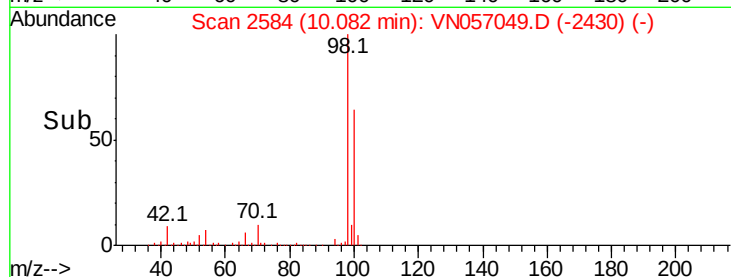
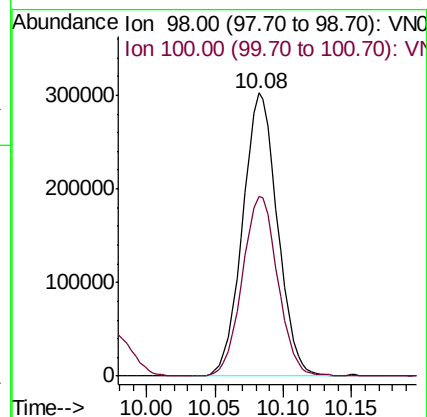
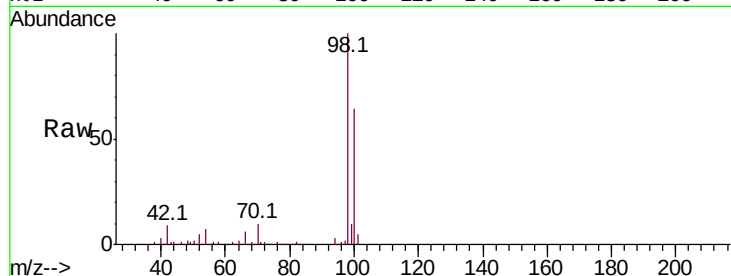
100 64.2 51.4 77.2

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#64

Chlorobenzene

Concen: 20.858 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057049.D

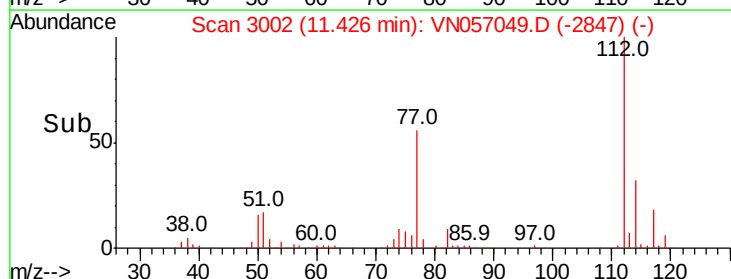
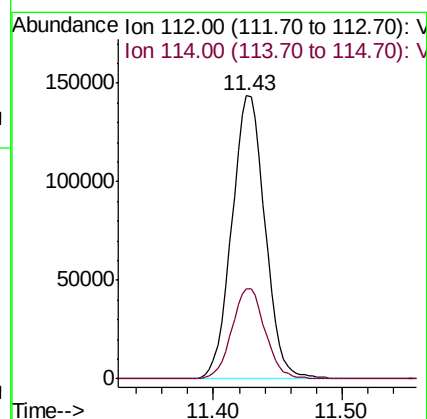
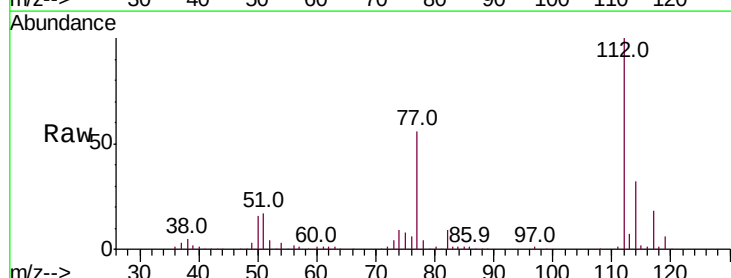
Acq: 1 Aug 2019 19:50

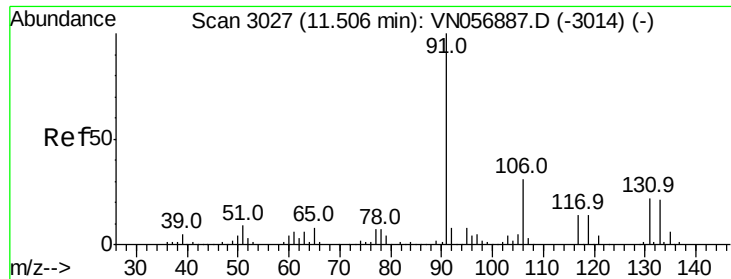
Tgt Ion: 112 Resp: 256512

Ion Ratio Lower Upper

112 100

114 31.9 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.903 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

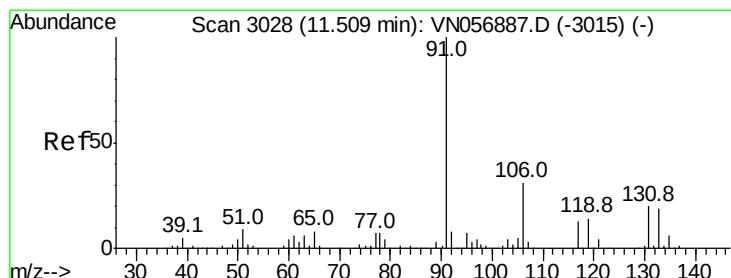
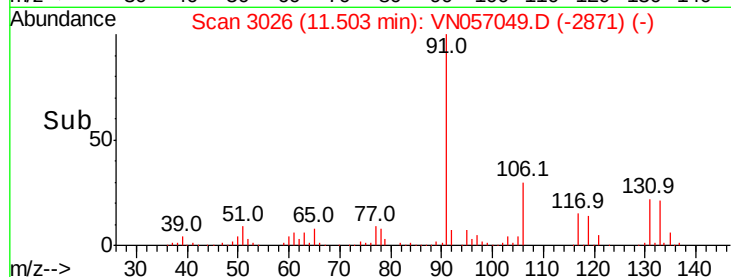
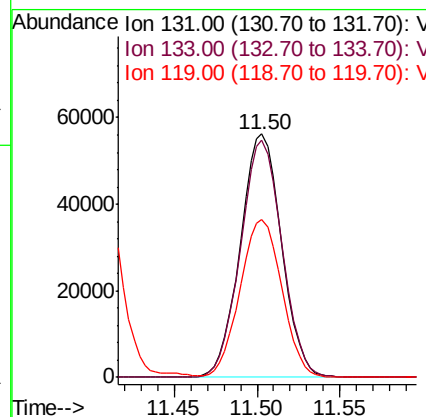
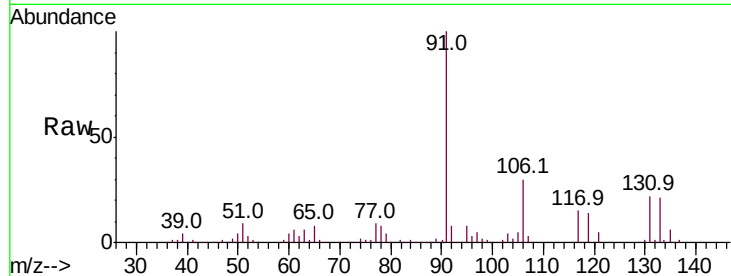
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	97369
Ion	Ratio	Lower	Upper
131	100		
133	98.0	0.0	189.6
119	65.7	0.0	133.6

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#66

Ethyl Benzene

Concen: 20.712 ug/l

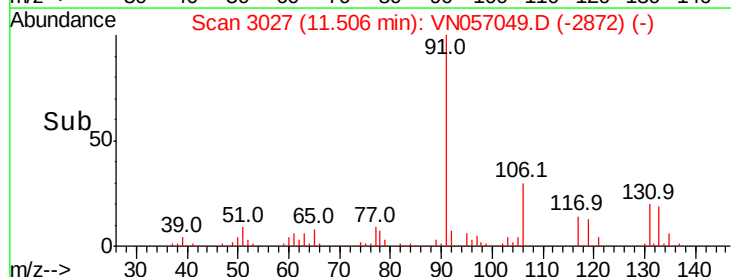
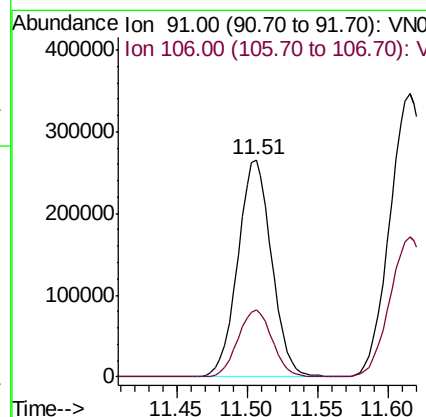
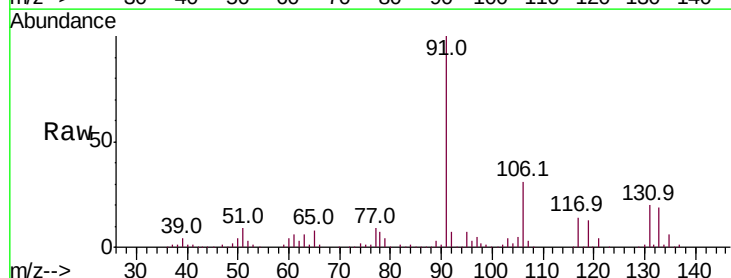
RT: 11.51 min Scan# 3027

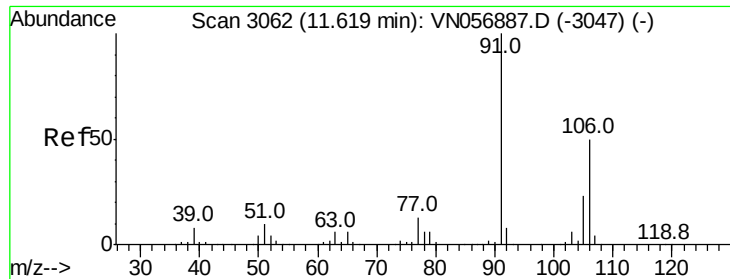
Delta R.T. -0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion:	91	Resp:	445611
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.9	37.3





#67

m/p-Xylenes

Concen: 41.529 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion:106 Resp: 333172

Ion Ratio Lower Upper

106 100

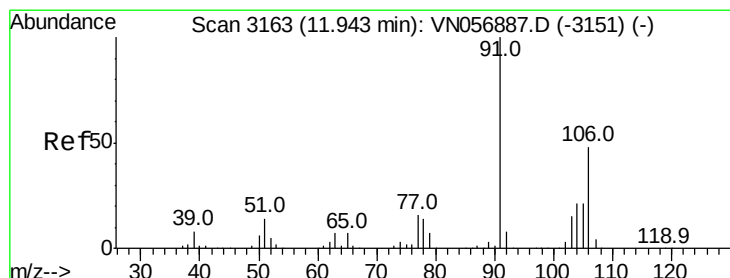
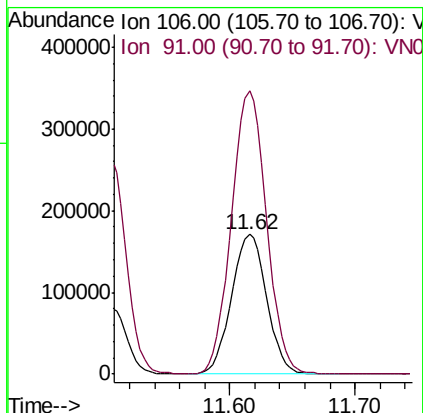
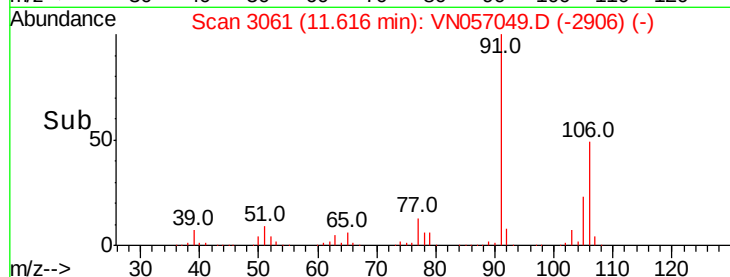
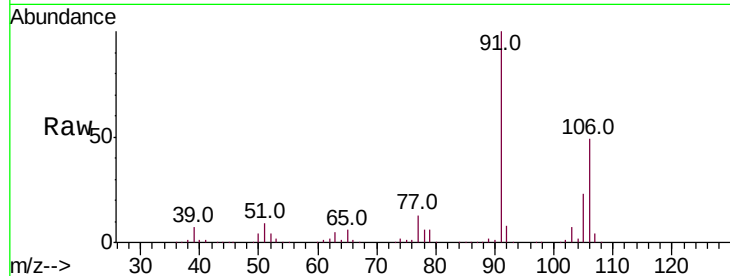
91 202.5 160.6 240.8

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#68

o-Xylene

Concen: 21.017 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN057049.D

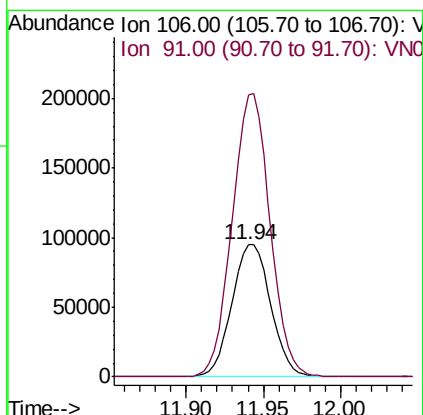
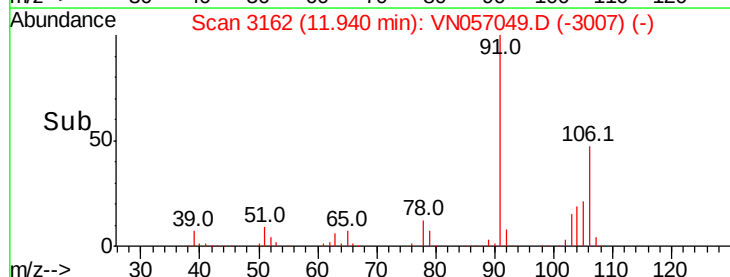
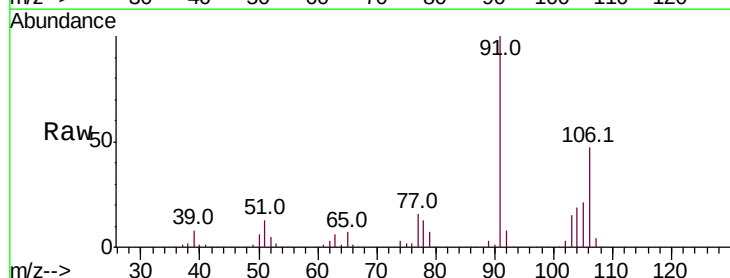
Acq: 1 Aug 2019 19:50

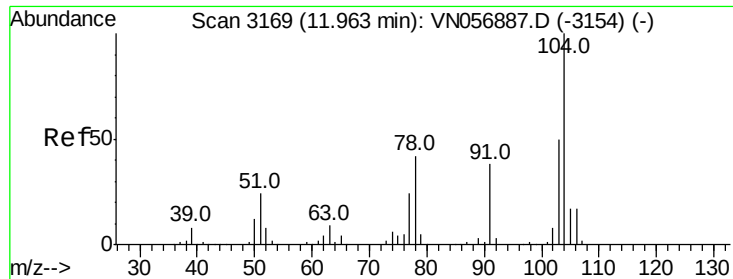
Tgt Ion:106 Resp: 165782

Ion Ratio Lower Upper

106 100

91 208.5 106.2 318.6





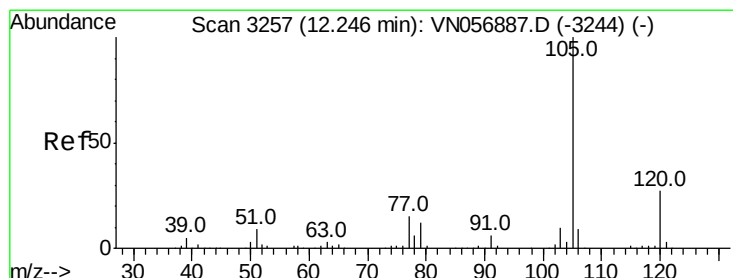
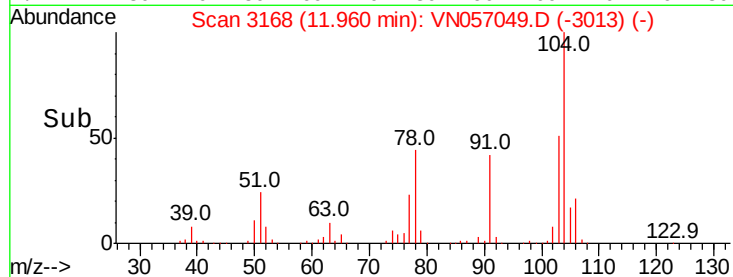
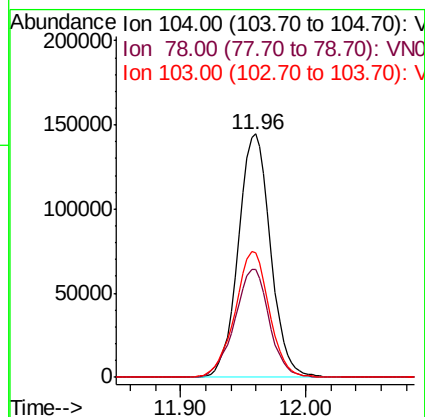
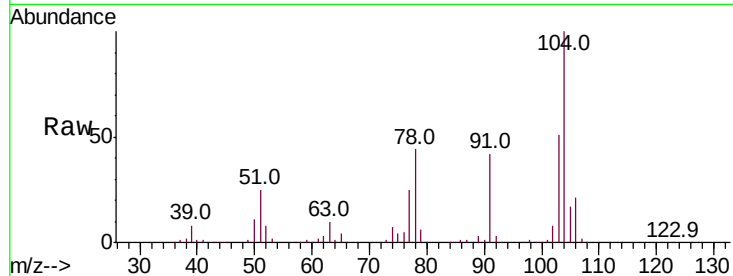
#69
Stvrene
Concen: 20.212 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion:	104	Resp:	258357
Ion Ratio	Lower	Upper	
104	100		
78	47.7	38.5	57.7
103	55.2	44.7	67.1

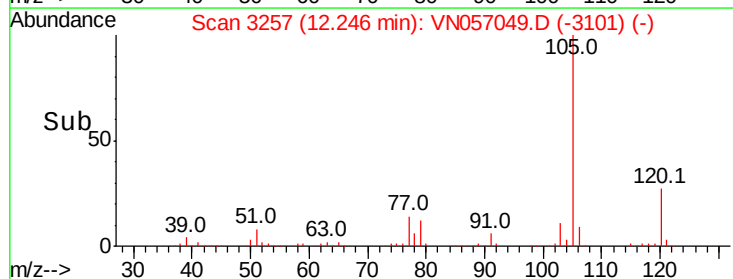
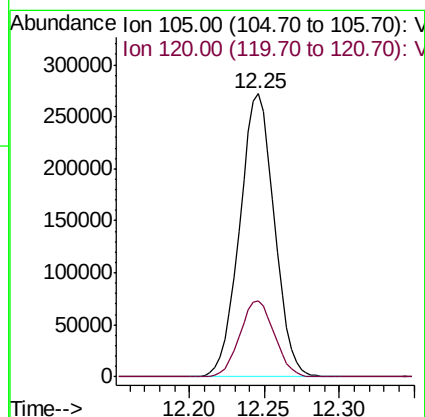
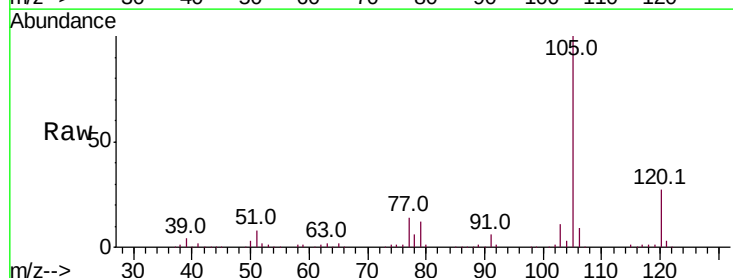
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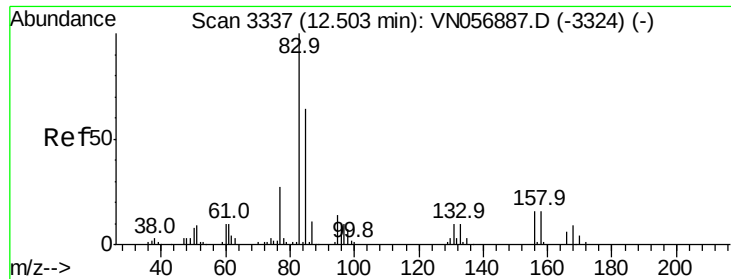
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#70
Isopropylbenzene
Concen: 21.095 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion:	105	Resp:	438124
Ion Ratio	Lower	Upper	
105	100		
120	27.0	18.7	34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 20.664 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

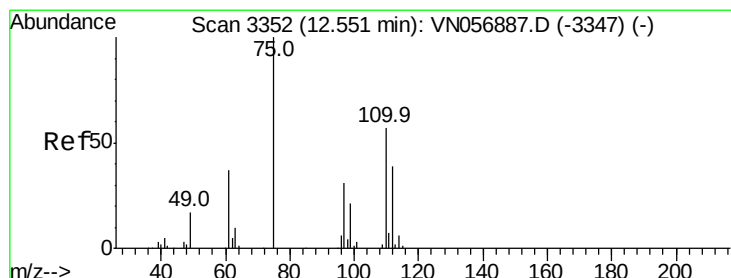
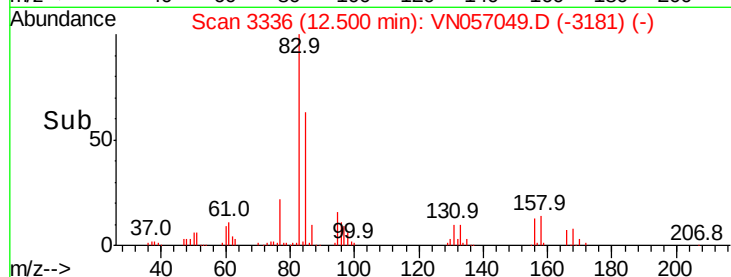
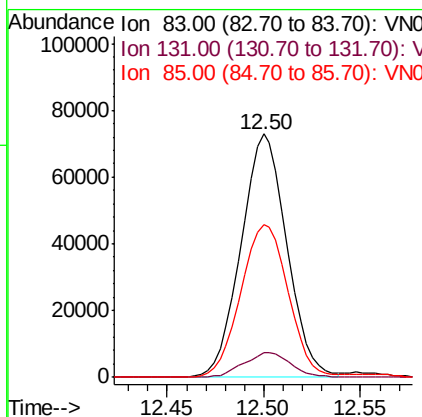
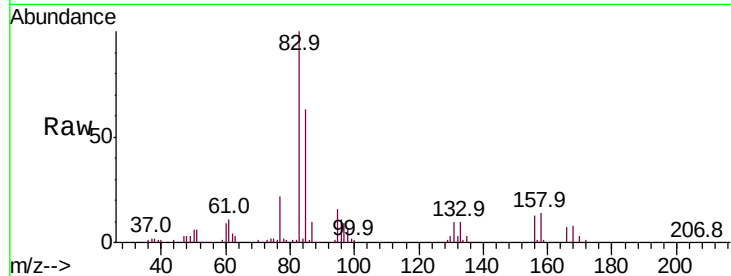
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	120208
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.2
85	65.0	31.8	95.4

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#72

1,2,3-Trichloropropane

Concen: 20.530 ug/l m

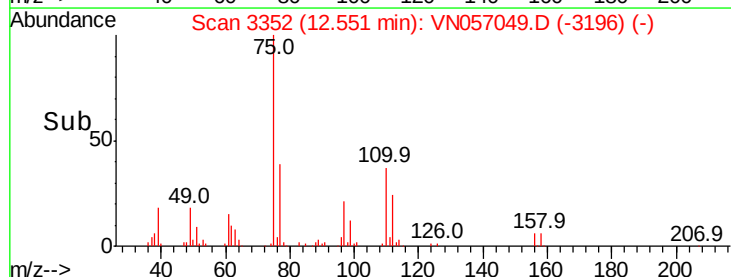
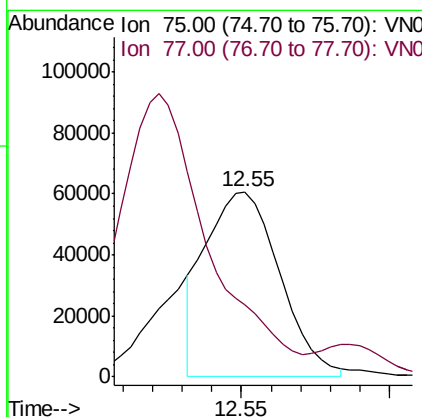
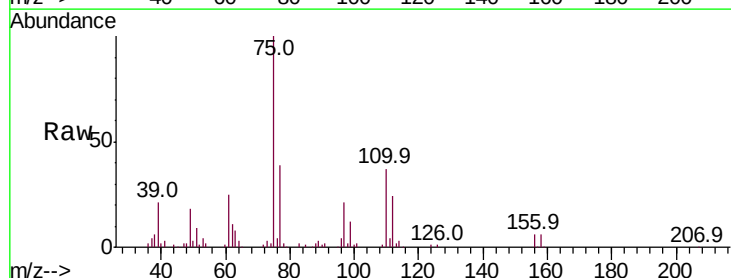
RT: 12.55 min Scan# 3352

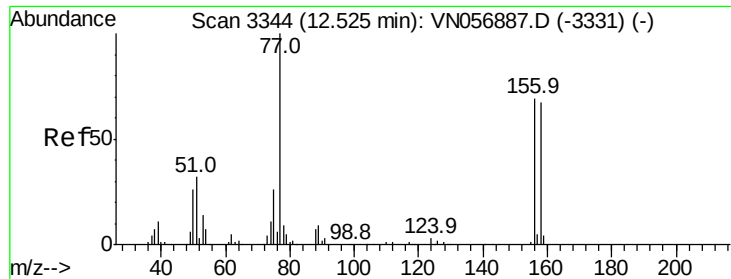
Delta R.T. 0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion:	75	Resp:	105074
Ion Ratio	Lower	Upper	
75	100		
77	185.9	0.0	378.6





#73

Bromobenzene

Concen: 20.301 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

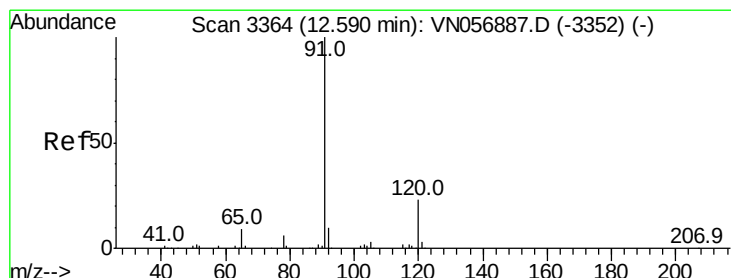
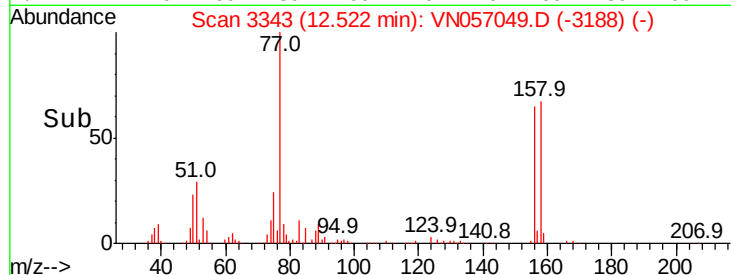
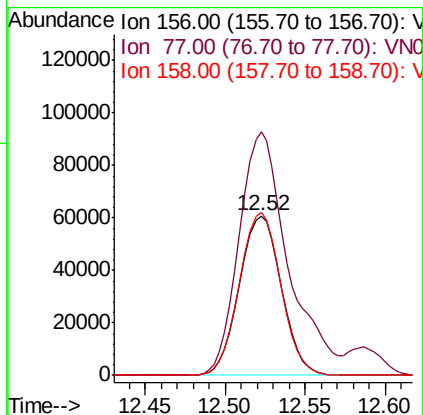
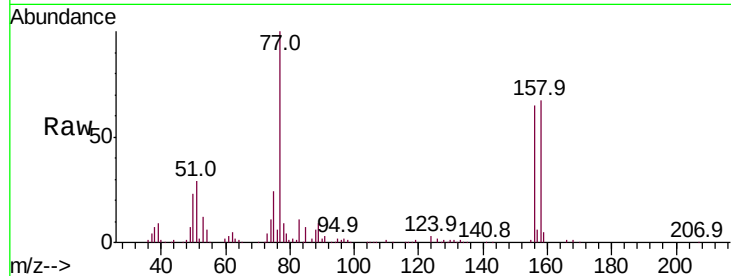
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	108802
Ion Ratio	Lower	Upper	
156	100		
77	179.5	0.0	364.6
158	101.3	0.0	196.2

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#74

n-propylbenzene

Concen: 19.998 ug/l

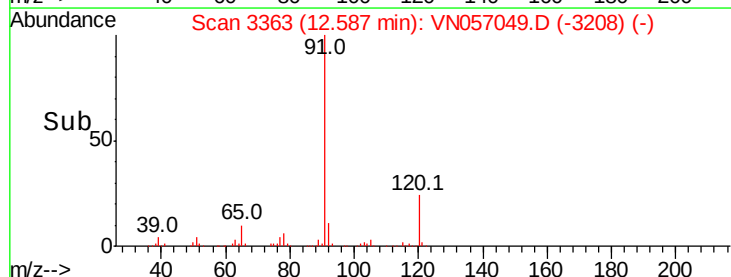
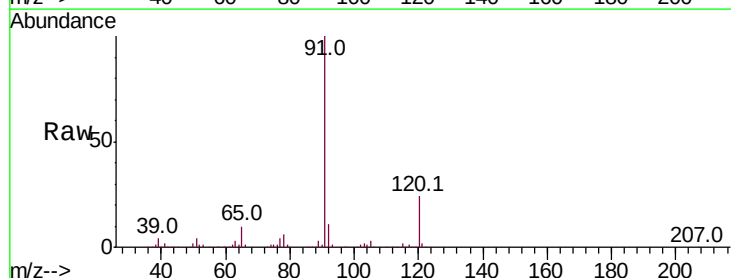
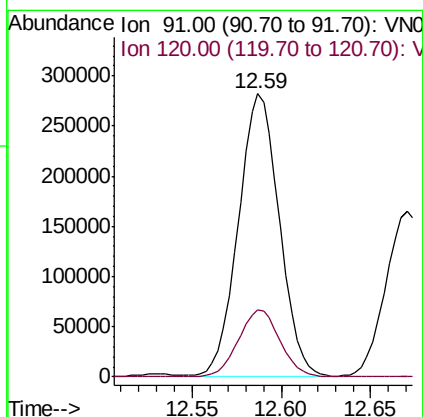
RT: 12.59 min Scan# 3363

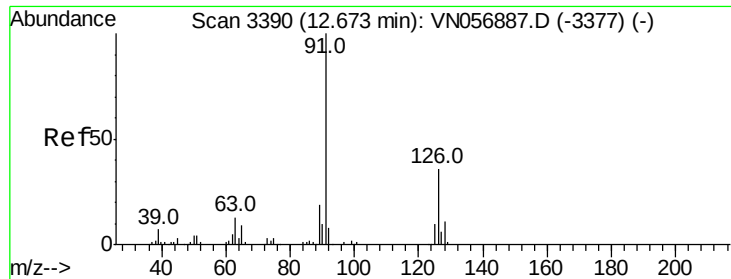
Delta R.T. -0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion:	91	Resp:	454133
Ion Ratio	Lower	Upper	
91	100		
120	23.7	0.0	46.4





#75

2-Chlorotoluene

Concen: 20.398 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 280838

Ion Ratio Lower Upper

91 100

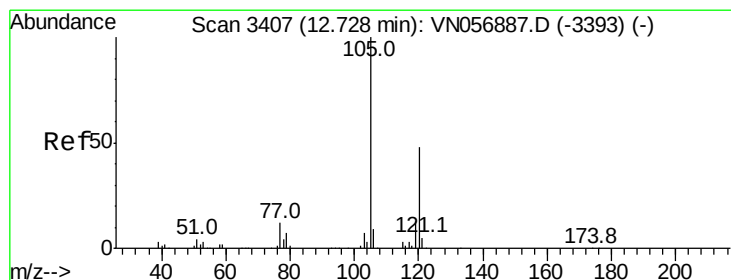
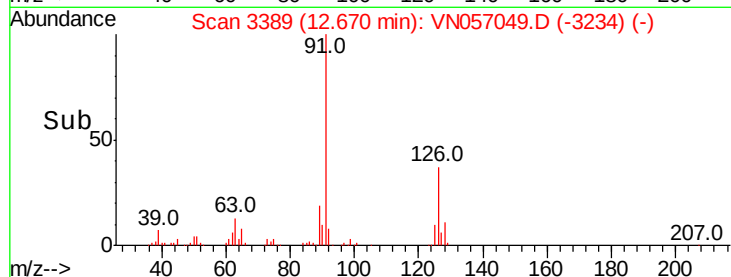
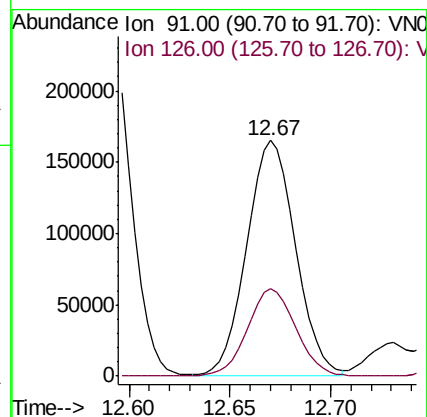
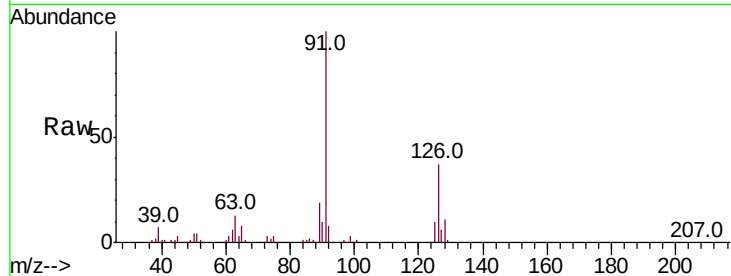
126 36.5 0.0 70.8

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#76

1,3,5-Trimethylbenzene

Concen: 20.993 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057049.D

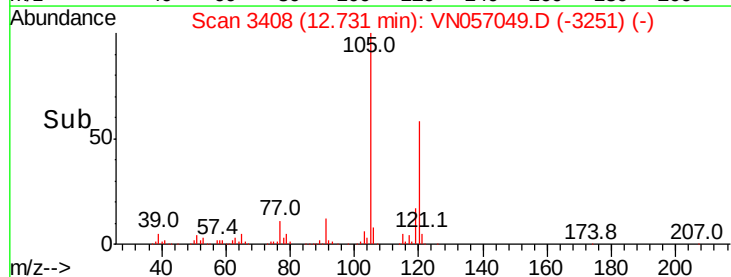
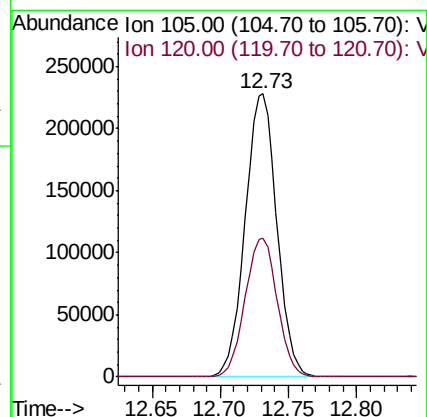
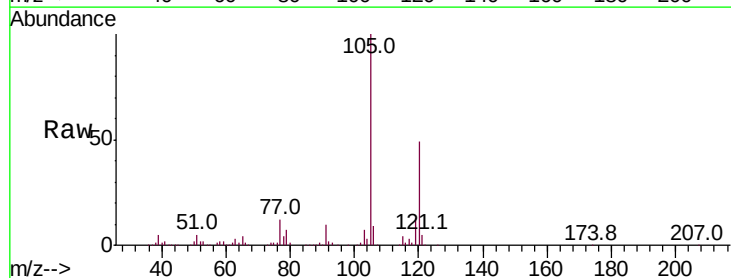
Acq: 1 Aug 2019 19:50

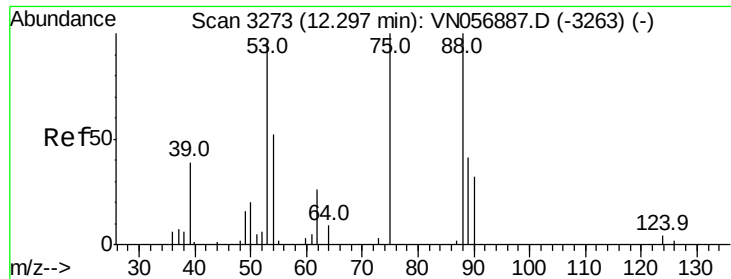
Tgt Ion:105 Resp: 367050

Ion Ratio Lower Upper

105 100

120 49.8 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 19.320 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

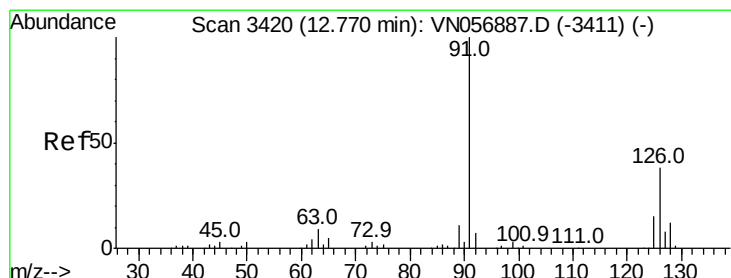
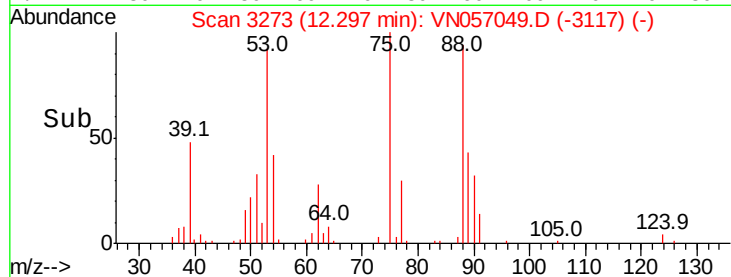
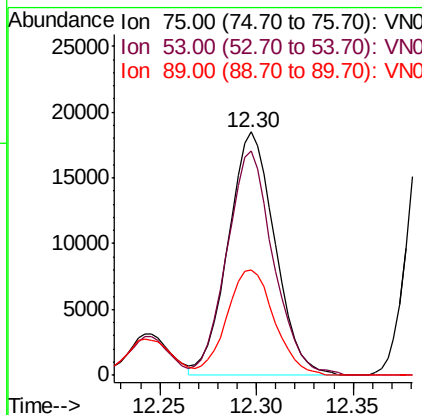
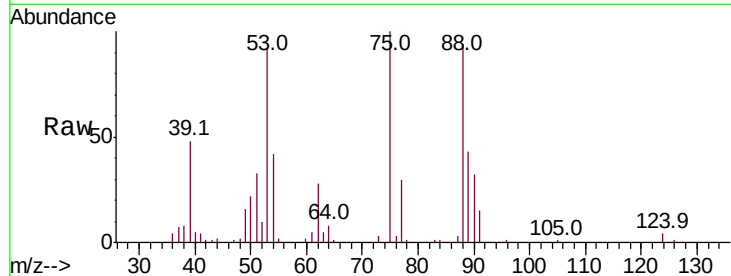
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	31047
Ion	Ratio	Lower	Upper
75	100		
53	91.1	48.0	144.0
89	43.5	21.4	64.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.600 ug/l

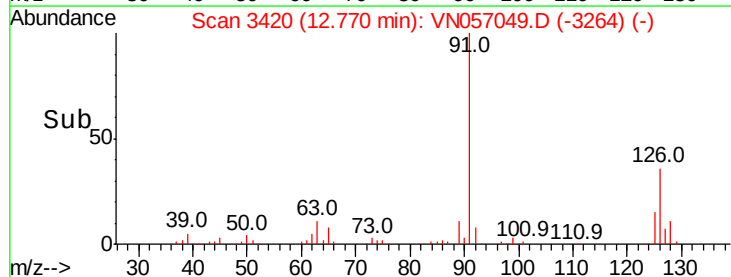
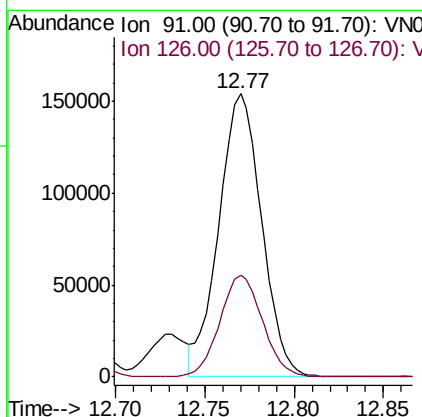
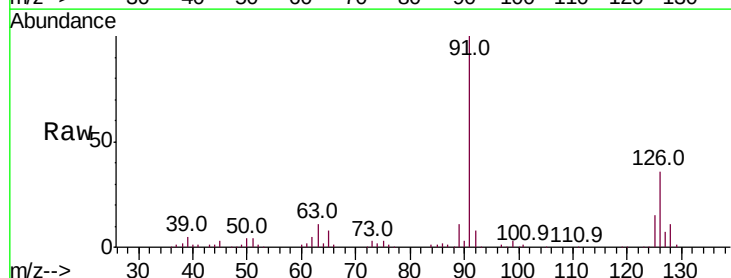
RT: 12.77 min Scan# 3420

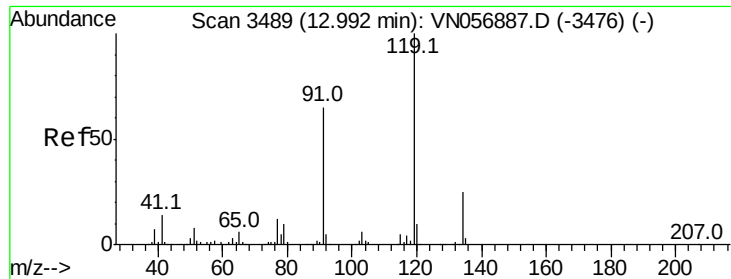
Delta R.T. 0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion:	91	Resp:	256511
Ion	Ratio	Lower	Upper
91	100		
126	35.7	0.0	69.6





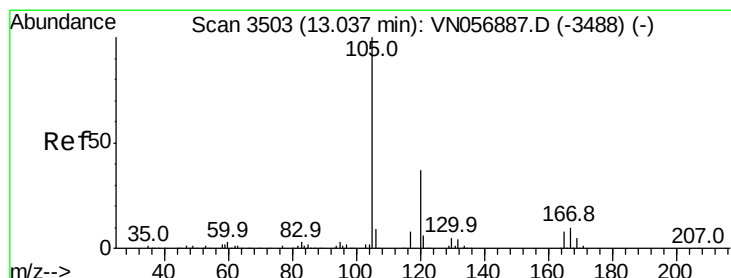
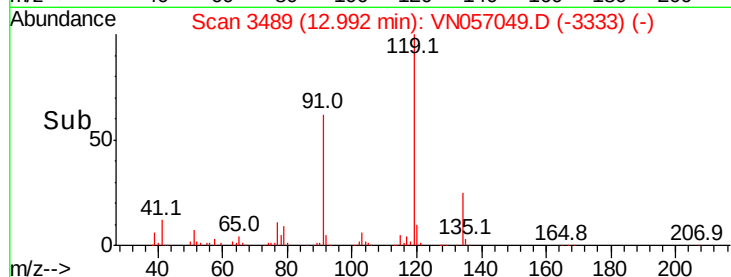
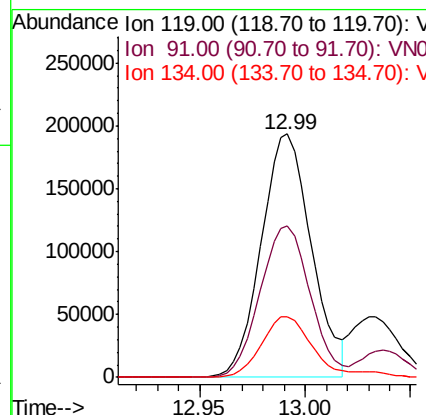
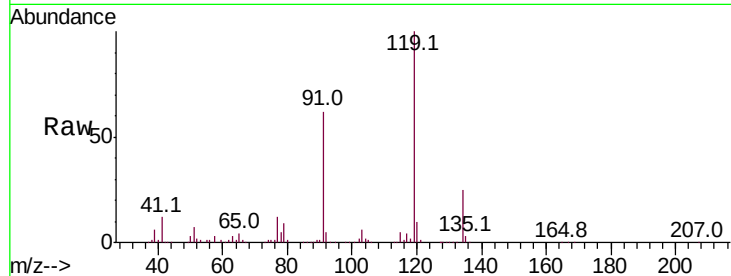
#79
tert-butylbenzene
Concen: 21.310 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	62.4	0.0	126.8	
134	24.6	0.0	48.8	

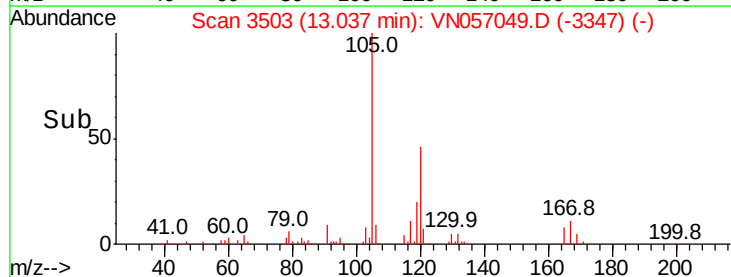
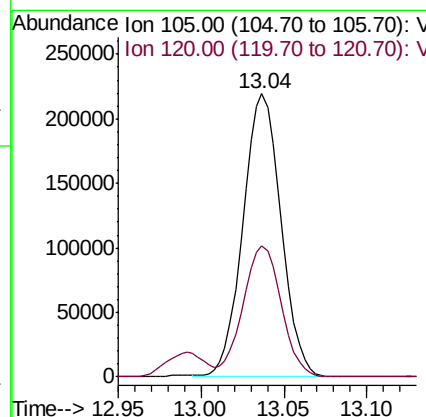
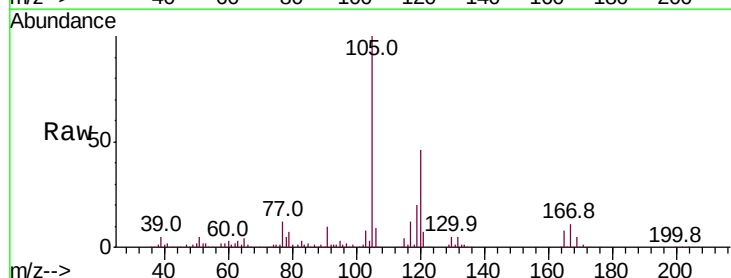
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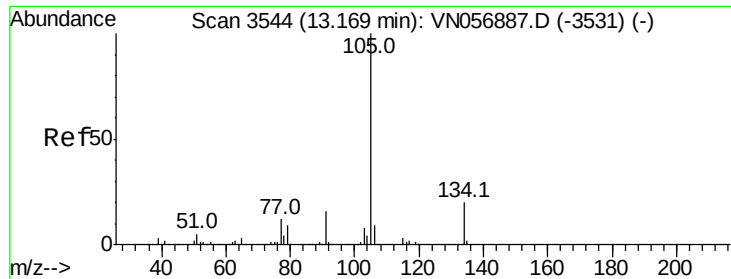
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#80
1,2,4-Trimethylbenzene
Concen: 20.590 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057049.D
Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	46.7	0.0	90.6	





#81

sec-Butylbenzene

Concen: 20.649 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 406753

Ion Ratio Lower Upper

105 100

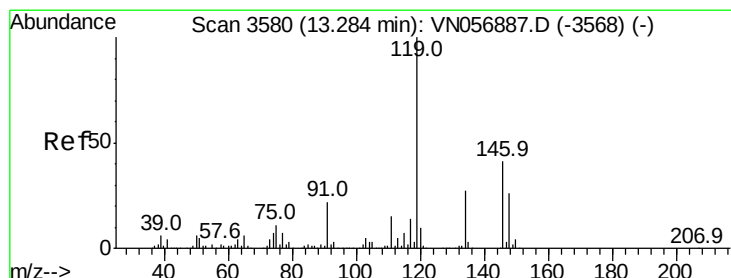
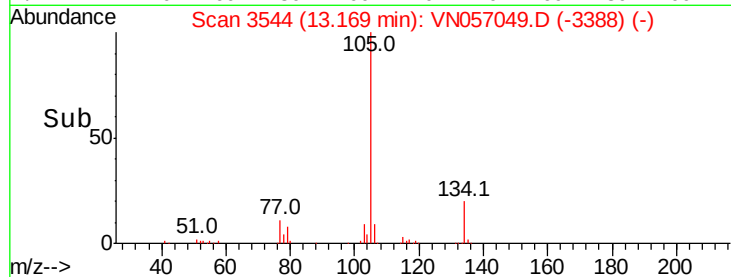
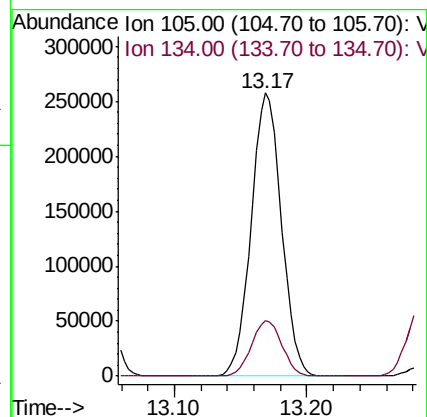
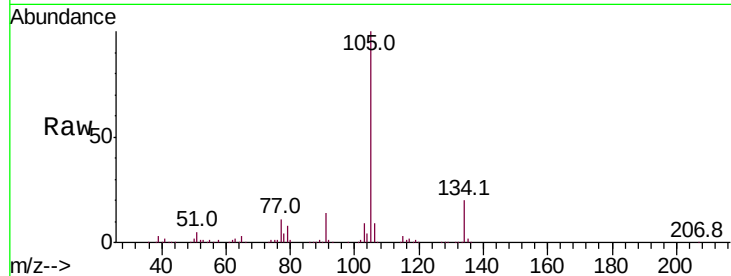
134 19.8 0.0 41.2

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#82

p-Isopropyltoluene

Concen: 20.240 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

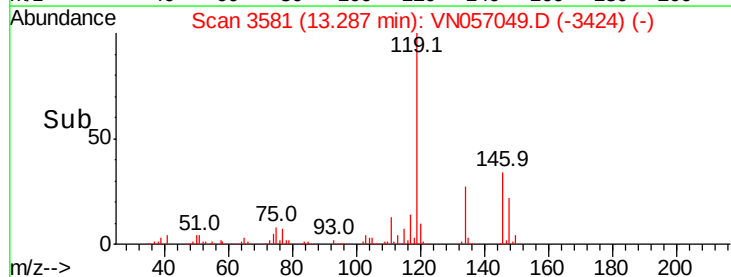
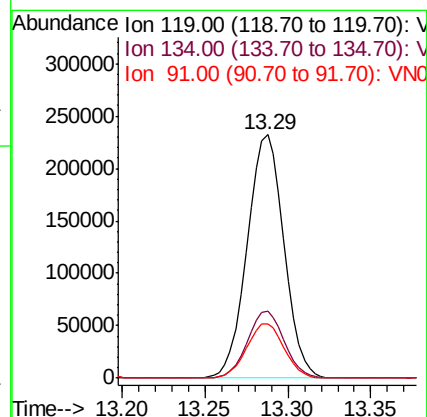
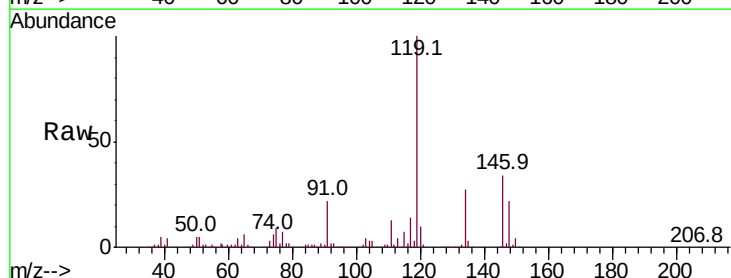
Tgt Ion:119 Resp: 358062

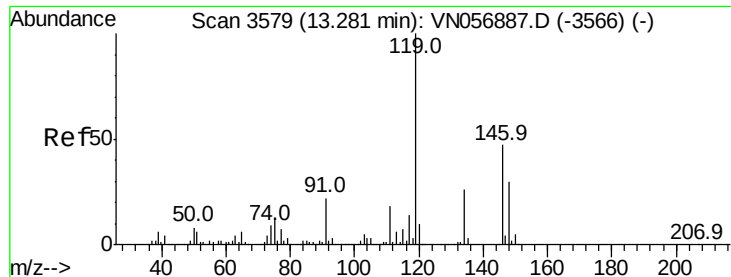
Ion Ratio Lower Upper

119 100

134 27.5 0.0 53.2

91 22.8 0.0 44.0





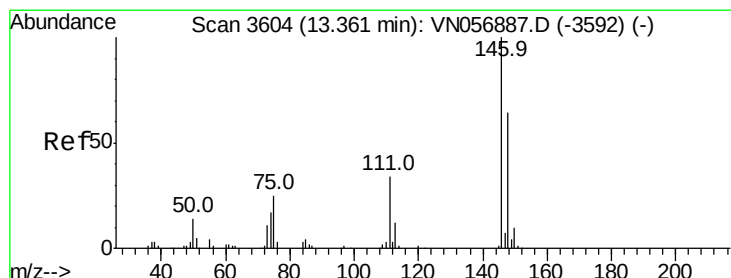
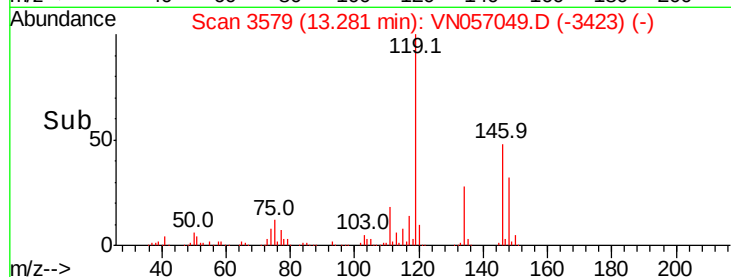
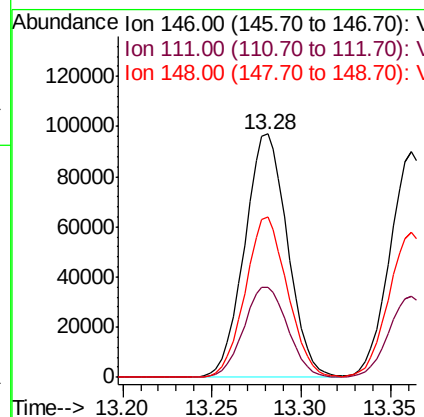
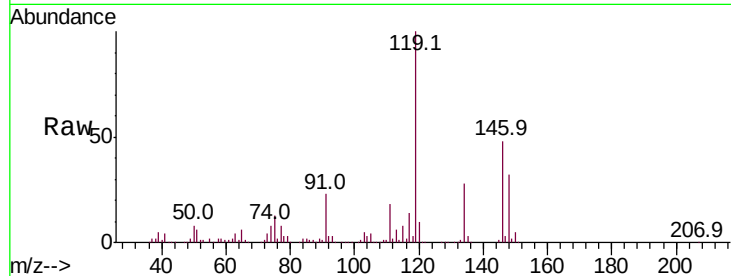
#83
 1,3-Dichlorobenzene
 Concen: 19.415 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.7	31.7	95.1

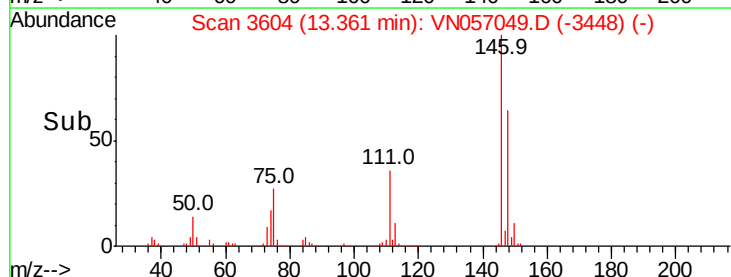
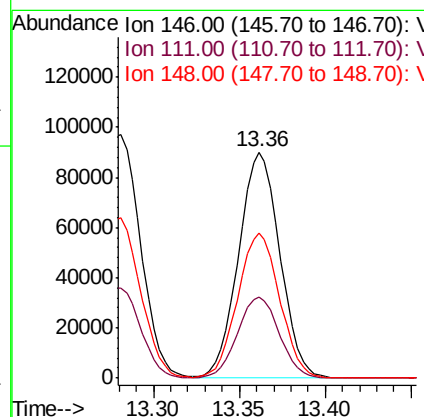
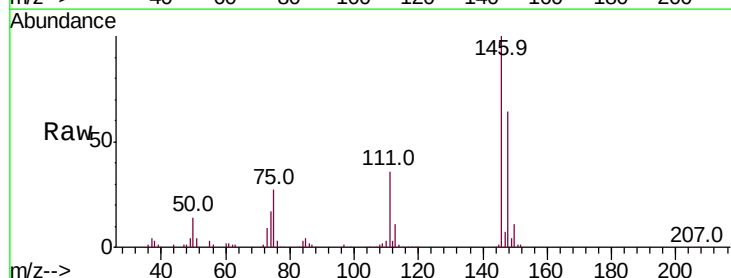
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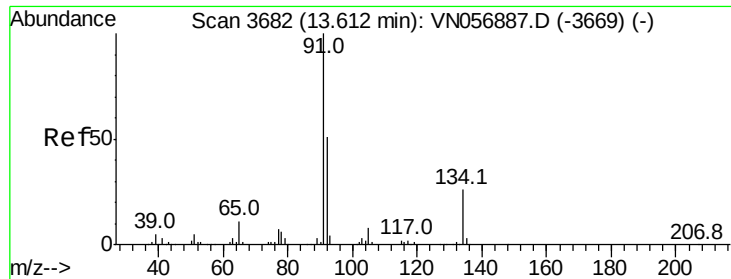
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#84
 1,4-Dichlorobenzene
 Concen: 18.719 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.8	53.5
148	65.7	32.6	97.7





#85

n-Butylbenzene

Concen: 18.474 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

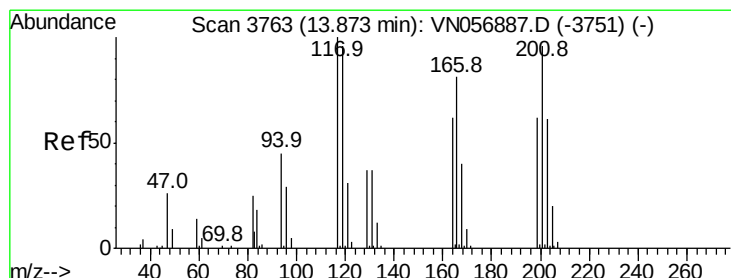
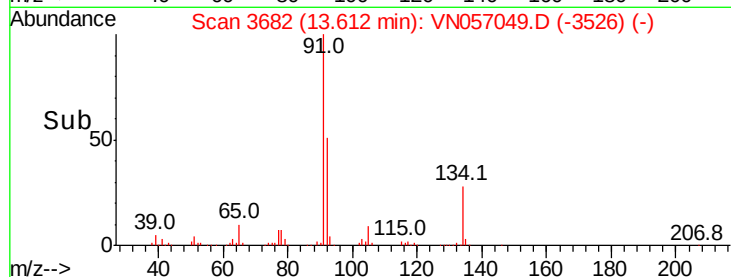
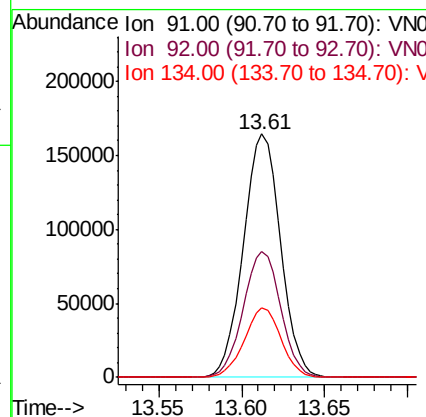
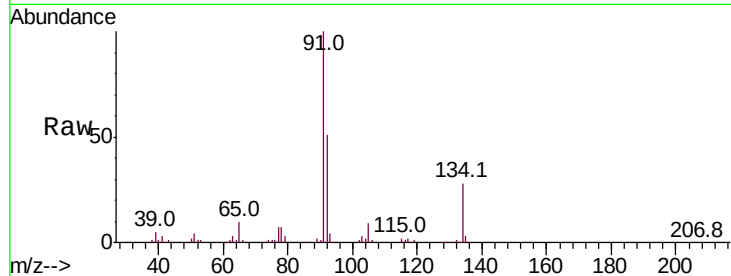
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	256634
Ion Ratio	Lower	Upper	
91	100		
92	51.9	0.0	101.8
134	28.1	0.0	52.4

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#86

Hexachloroethane

Concen: 21.406 ug/l

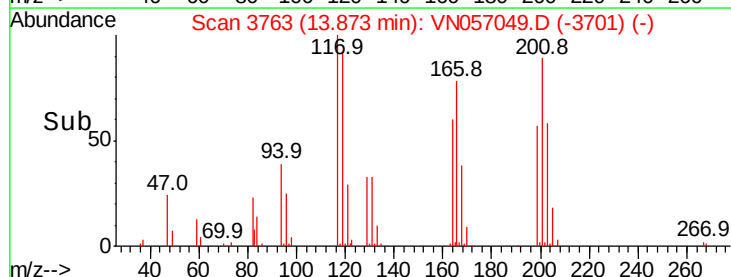
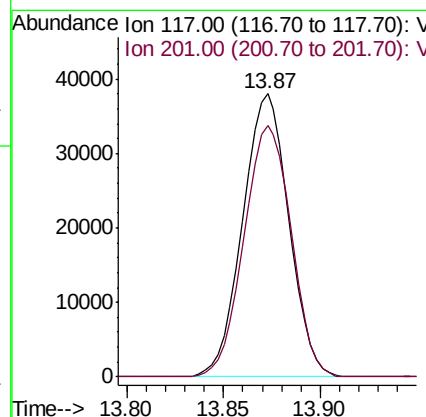
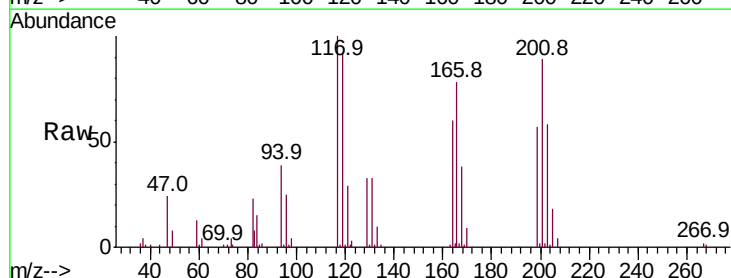
RT: 13.87 min Scan# 3763

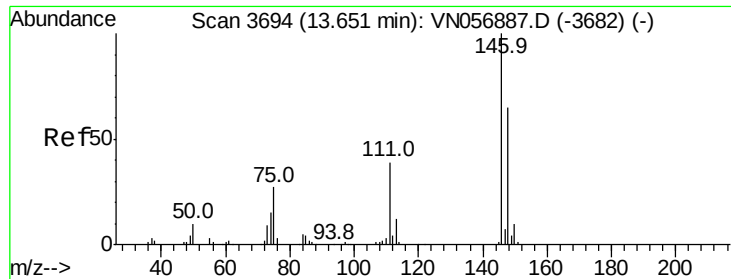
Delta R.T. 0.00 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion:	117	Resp:	63376
Ion Ratio	Lower	Upper	
117	100		
201	90.5	47.8	143.3





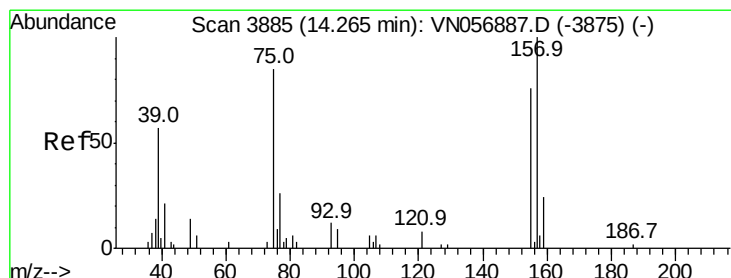
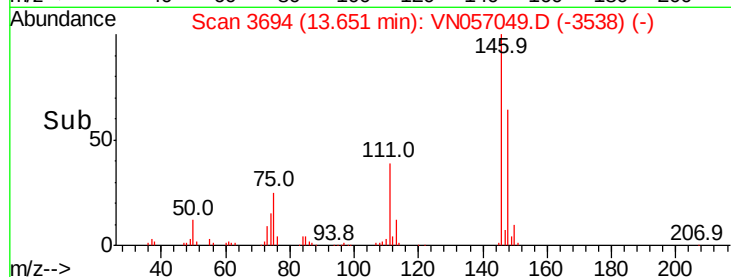
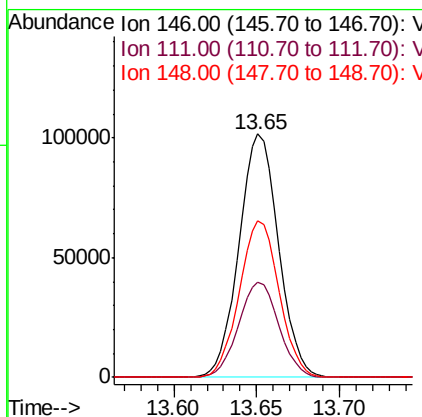
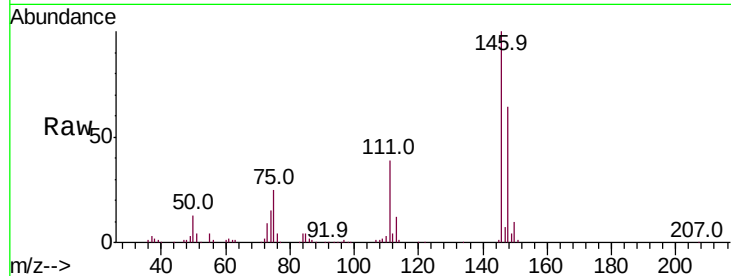
#87
 1,2-Dichlorobenzene
 Concen: 20.092 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.8
148	64.6	32.5	97.5

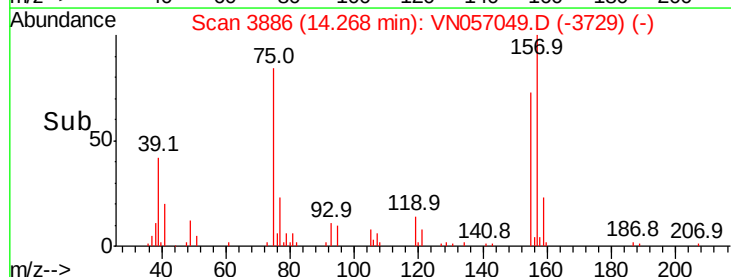
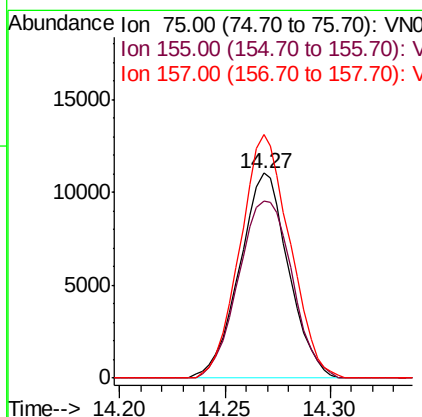
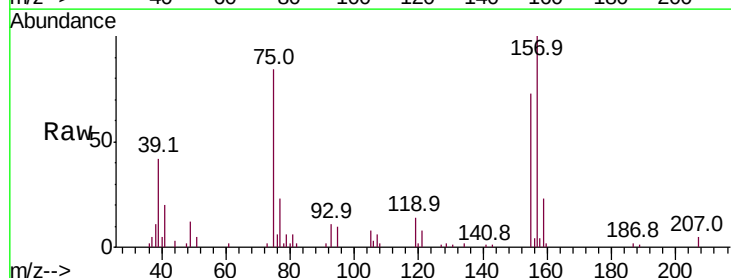
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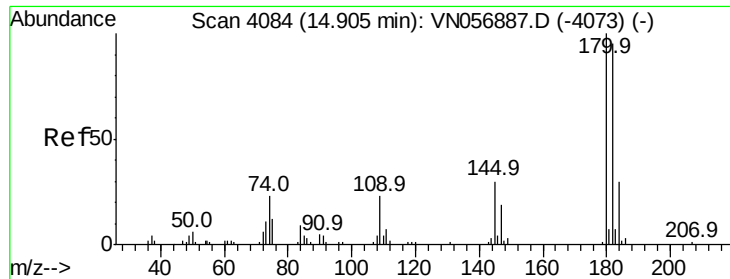
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.770 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	73.4	110.2
157	120.9	95.0	142.6





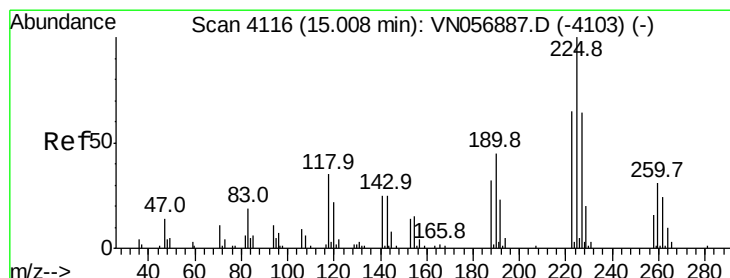
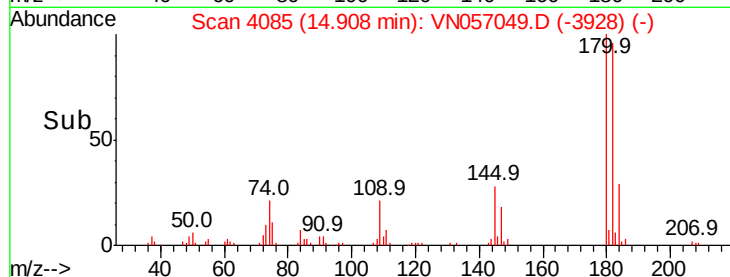
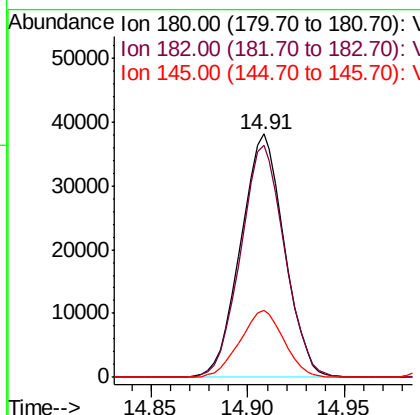
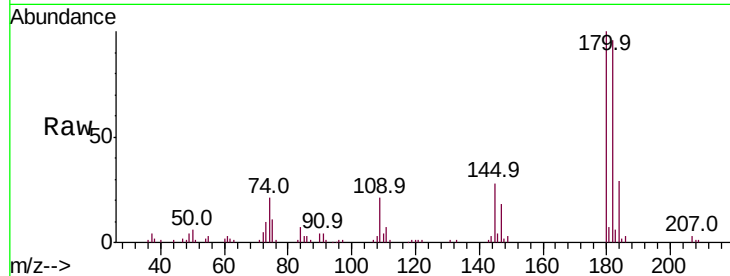
#89
 1,2,4-Trichlorobenzene
 Concen: 18.386 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	27.7	23.5	35.3

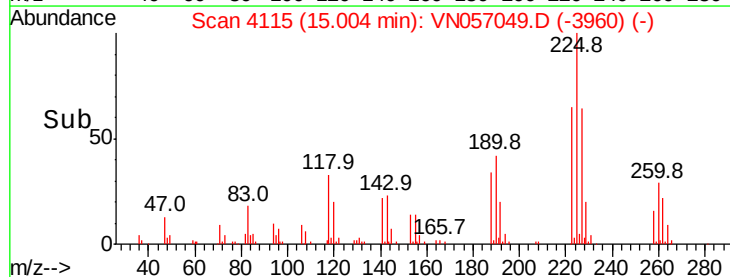
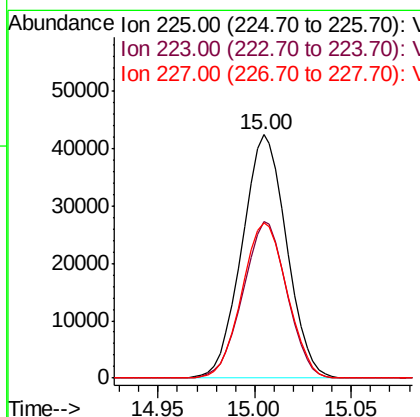
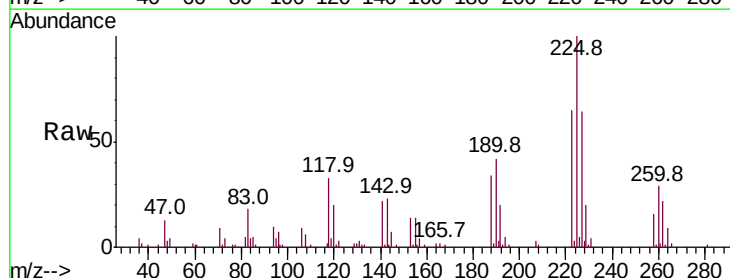
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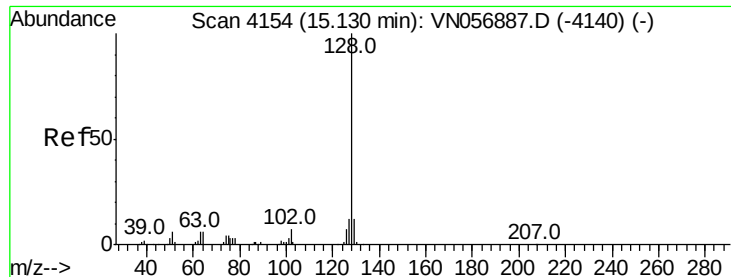
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#90
 Hexachlorobutadiene
 Concen: 22.108 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN057049.D
 Acq: 1 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	130.0
227	64.3	0.0	127.2





#91

Naphthalene

Concen: 18.022 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Instrument :

MSVOA_N

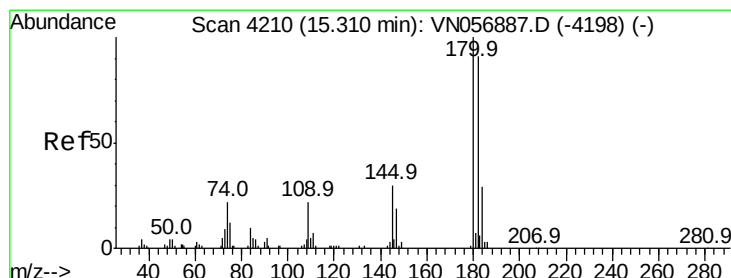
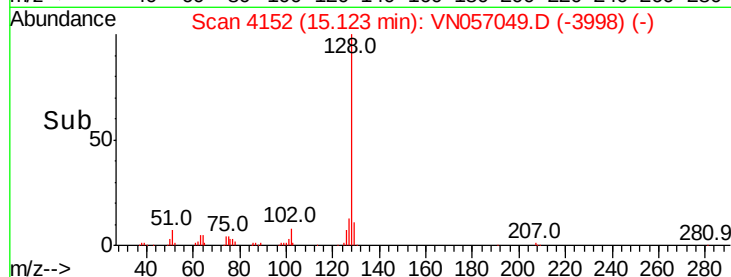
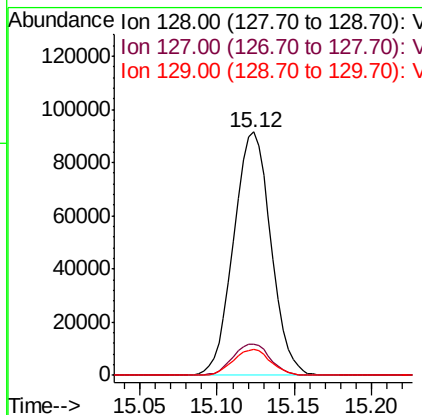
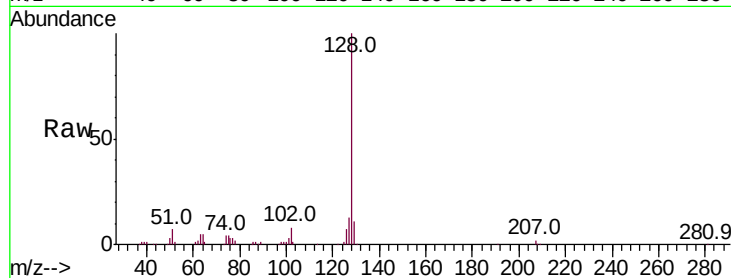
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	153272
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.7	8.9	13.3

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#92

1,2,3-Trichlorobenzene

Concen: 16.207 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.02 min

Lab File: VN057049.D

Acq: 1 Aug 2019 19:50

Tgt Ion:	180	Resp:	71812
Ion Ratio	Lower	Upper	
180	100		
182	97.4	0.0	188.0
145	29.6	0.0	61.0

