

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056886.D
 Acq On : 23 Jul 2019 19:03
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 2:19:47 PM

Quant Time: Jul 24 03:25:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	60976	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	329593	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	264470	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	120394	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	105693	26.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.70%
63) Toluene-d8	10.09	98	392352	32.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	15994	4.616	ug/l 99
3) Chloromethane	2.06	50	21711	4.755	ug/l 94
4) Vinyl Chloride	2.18	62	20214	4.517	ug/l 96
5) Bromomethane	2.55	94	14369	5.107	ug/l 96
6) Chloroethane	2.70	64	11925	4.679	ug/l 97
7) Trichlorofluoromethane	3.02	101	26099	4.610	ug/l 96
8) Diethyl Ether	3.40	74	9588	4.168	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.74	101	16977	4.803	ug/l 97
10) 1,1-Dichloroethene	3.73	96	15912	4.528	ug/l 93
11) Methyl Iodide	3.95	142	20120	4.228	ug/l 97
12) Methyl Acetate	4.33	43	30257	6.484	ug/l 94
13) Acrolein	3.60	56	11434	30.995	ug/l 93
14) Acrylonitrile	4.99	53	36620	18.229	ug/l 92
15) Acetone	3.82	58	9743	15.238	ug/l 84
16) Carbon Disulfide	4.04	76	40546	4.357	ug/l 98
17) Allyl chloride	4.32	41	26644	4.368	ug/l 90
18) Methylene Chloride	4.55	84	19068	4.624	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	16798	4.491	ug/l 99
20) Diisopropyl ether	5.95	45	53197	4.350	ug/l 92
21) 1,1-Dichloroethane	5.85	63	32209	4.599	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	19445	4.427	ug/l 97
23) tert-Butyl Alcohol	4.81	59	10710m	15.144	ug/l
24) Methyl tert-Butyl Ether	5.05	73	47979	4.323	ug/l # 75
25) Chloroform	7.37	83	31752	4.671	ug/l 99
26) Cyclohexane	7.65	56	27257	4.232	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	21617	4.266	ug/l 99
30) 2-Butanone	6.84	43	45172	16.419	ug/l 97
31) 2,2-Dichloropropane	6.82	77	21403m	4.376	ug/l
32) 1,1,1-Trichloroethane	7.57	97	24977	4.581	ug/l 98
33) Carbon Tetrachloride	7.77	117	21205	4.522	ug/l 97
34) Benzene	8.04	78	74418	4.741	ug/l # 67
35) Methacrylonitrile	7.18	41	9143	3.970	ug/l 96
36) 1,2-Dichloroethane	8.13	62	23293	4.649	ug/l 98
37) Trichloroethene	8.83	130	19859	4.681	ug/l 99
38) Methylcyclohexane	9.08	83	27918	4.373	ug/l 97
39) 1,2-Dichloropropane	9.12	63	19643	4.673	ug/l 98
40) Dibromomethane	9.21	93	12229	4.588	ug/l 97

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Jul 24 03:25:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	21803	4.413	ug/l	96
42) Vinyl Acetate	5.90	43	186433	19.297	ug/l	99
43) Ethyl Acetate	6.93	43	18162	3.561	ug/l	98
44) Isopropyl Acetate	8.17	43	30352	3.735	ug/l #	88
45) 1,4-Dioxane	9.21	88	5675	70.705	ug/l	99
46) Methyl methacrylate	9.20	41	15426	3.961	ug/l	96
47) n-amyl Acetate	12.07	43	19998	3.034	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	21294	3.951	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	25351	4.144	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	17162	4.400	ug/l	97
51) Ethyl methacrylate	10.43	69	22008	3.723	ug/l	94
52) 1,3-Dichloropropane	10.71	76	28552	4.409	ug/l	99
53) Dibromochloromethane	10.90	129	15592	3.951	ug/l	98
54) 1,2-Dibromoethane	11.01	107	16569	4.121	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	45318	16.112	ug/l	99
56) Bromoform	12.12	173	9889	3.421	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	90460	19.250	ug/l	99
59) 2-Hexanone	10.75	43	57641	16.613	ug/l	99
61) Tetrachloroethene	10.63	164	20319	5.384	ug/l	96
62) Toluene	10.15	91	75886	4.987	ug/l	99
64) Chlorobenzene	11.43	112	43820	4.727	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	16781	4.895	ug/l	98
66) Ethyl Benzene	11.51	91	72530	4.437	ug/l	99
67) m/p-Xylenes	11.62	106	53458	8.690	ug/l	96
68) o-Xylene	11.95	106	27379	4.535	ug/l	98
69) Styrene	11.96	104	38556	3.877	ug/l	99
70) Isopropylbenzene	12.25	105	69733	4.416	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	20510	4.074	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	19687m	4.597	ug/l	
73) Bromobenzene	12.52	156	17751	4.314	ug/l	98
74) n-propylbenzene	12.59	91	70204	3.992	ug/l	99
75) 2-Chlorotoluene	12.67	91	45329	4.249	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	58790	4.394	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	4503	3.163	ug/l	98
78) 4-Chlorotoluene	12.77	91	37355	3.631	ug/l	99
79) tert-butylbenzene	12.99	119	51382	4.494	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	54125	4.073	ug/l	99
81) sec-Butylbenzene	13.17	105	64757	4.299	ug/l	99
82) p-Isopropyltoluene	13.29	119	54969	4.026	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	24121	3.561	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	20721	3.206	ug/l	100
85) n-Butylbenzene	13.61	91	36448	3.267	ug/l	99
86) Hexachloroethane	13.87	117	8913	4.087	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	24349	3.565	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	2556	2.977	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	7115	1.993	ug/l	98
90) Hexachlorobutadiene	15.01	225	10410	4.349	ug/l	98
91) Naphthalene	15.13	128	18903	1.955	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	9702	2.561	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

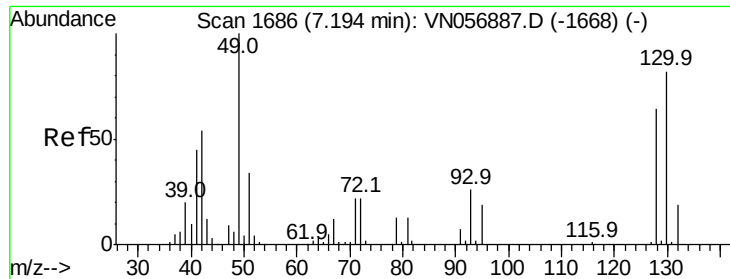
Manual Integrations
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QLast Update : Wed Jul 24 02:31:22 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



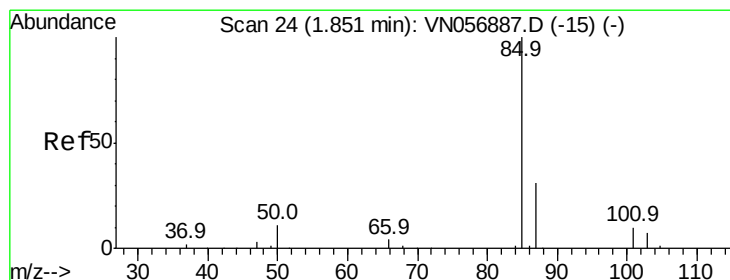
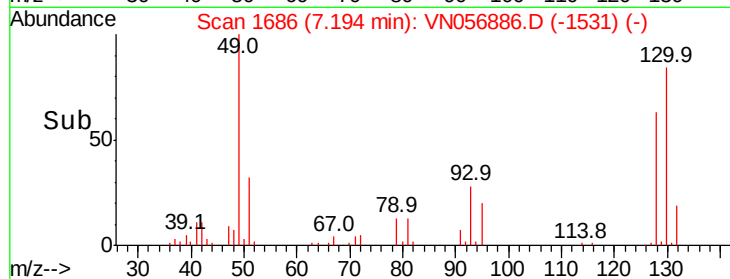
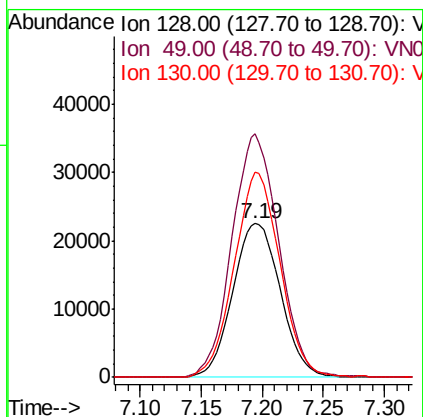
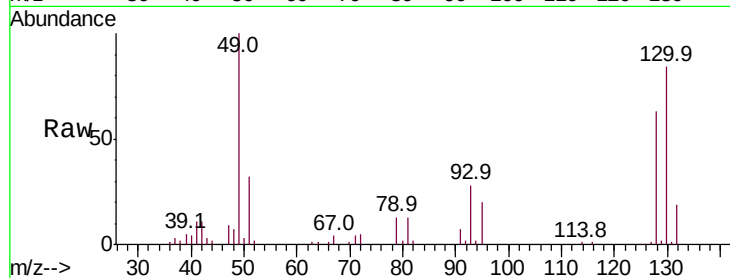
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	155.4	0.0	385.8
130	128.2	0.0	322.5

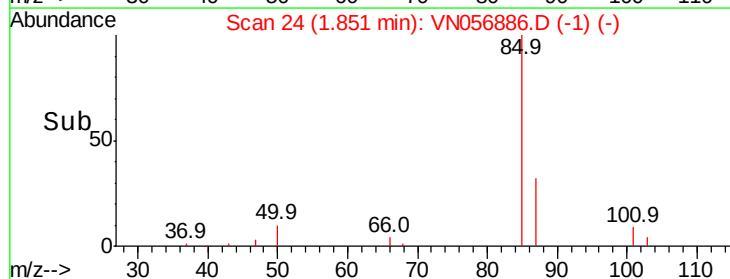
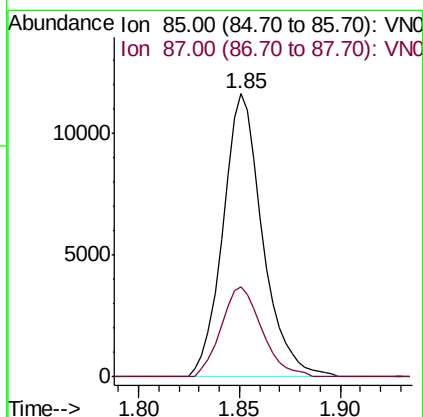
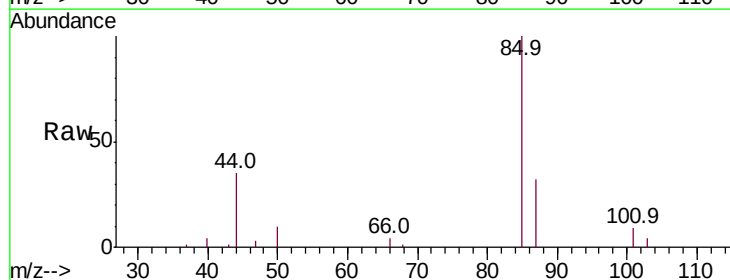
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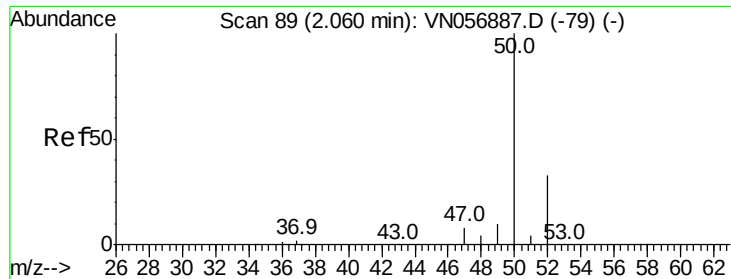
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#2
 Dichlorodifluoromethane
 Concen: 4.616 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.6	46.8





#3

Chloromethane

Concen: 4.755 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 21711

Ion Ratio Lower Upper

50 100

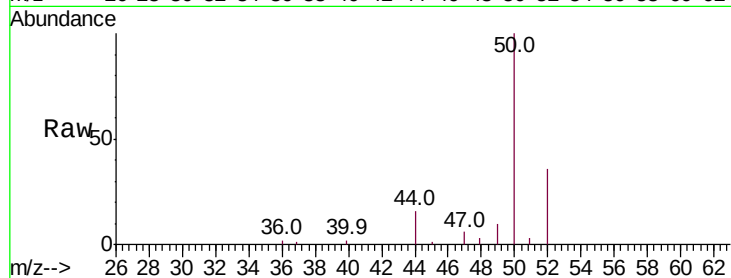
52 36.1 26.2 39.2

Manual Integrations

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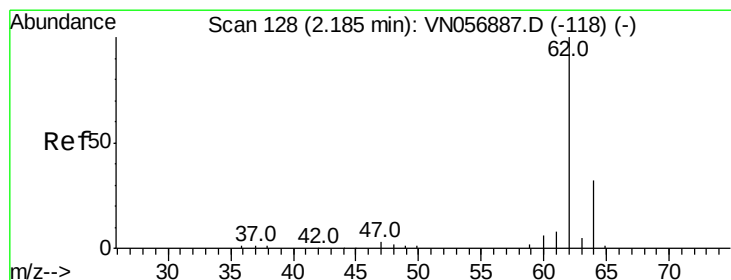
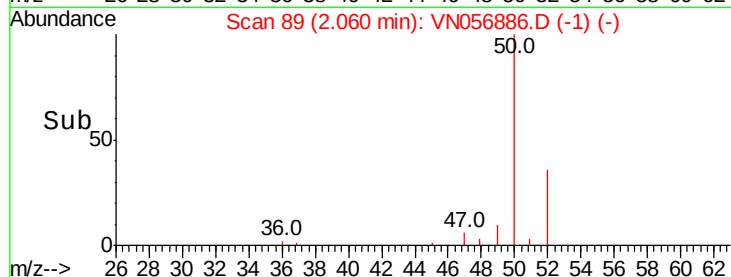
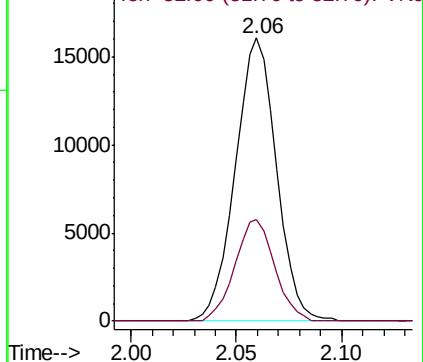
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 4.517 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056886.D

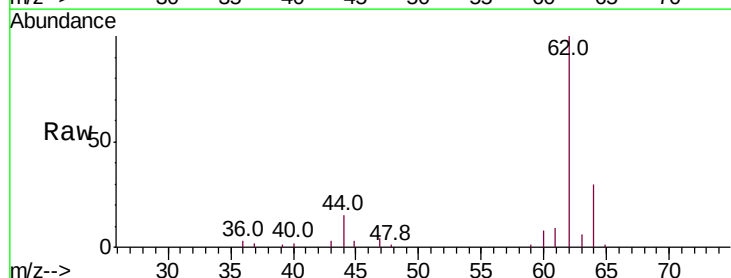
Acq: 23 Jul 2019 19:03

Tgt Ion: 62 Resp: 20214

Ion Ratio Lower Upper

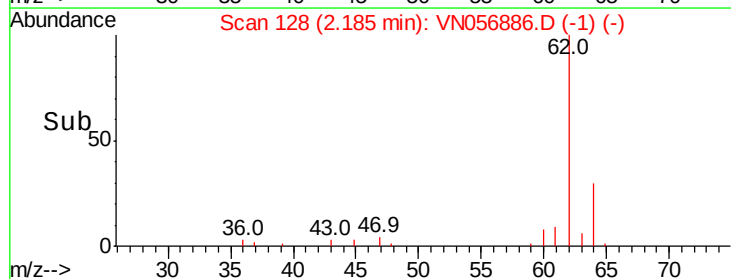
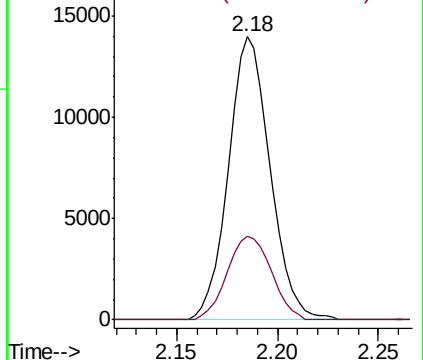
62 100

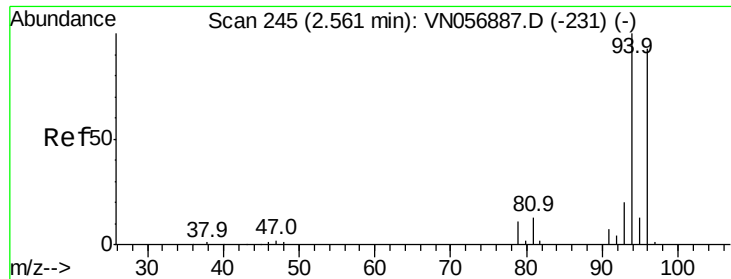
64 29.6 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 5.107 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14369

Ion Ratio Lower Upper

94 100

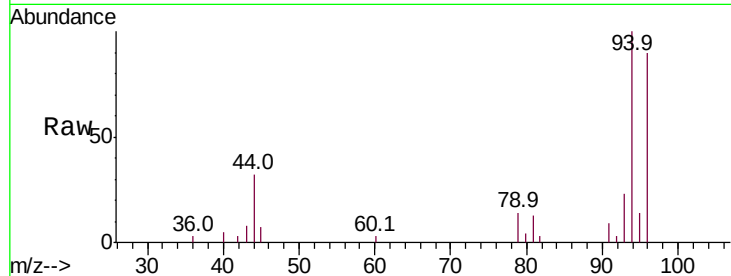
96 89.7 74.7 112.1

Manual Integrations

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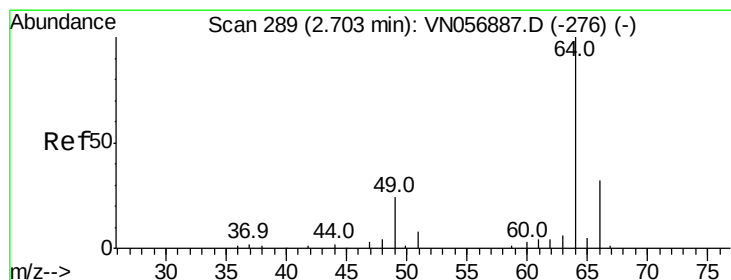
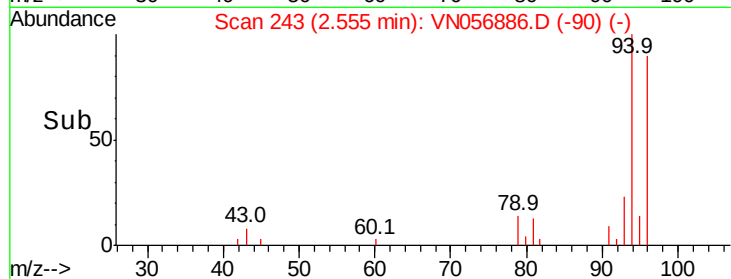
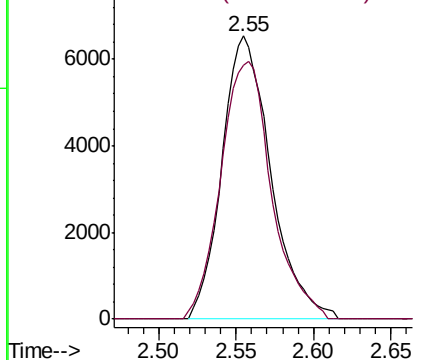
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 4.679 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN056886.D

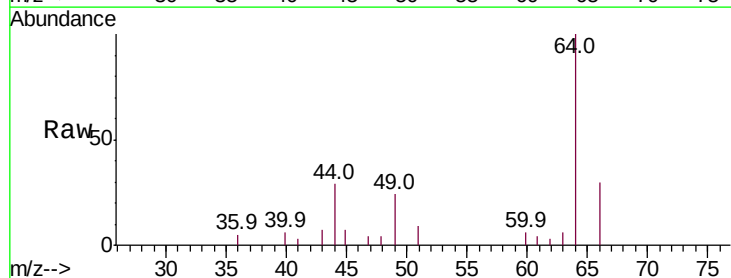
Acq: 23 Jul 2019 19:03

Tgt Ion: 64 Resp: 11925

Ion Ratio Lower Upper

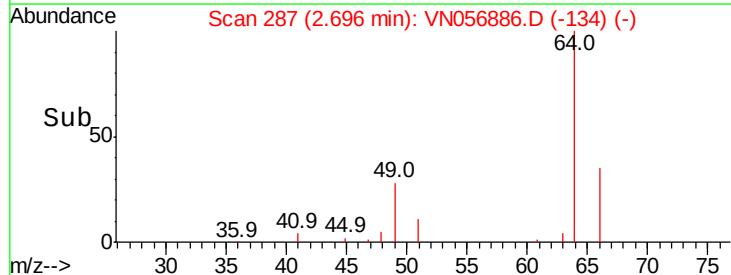
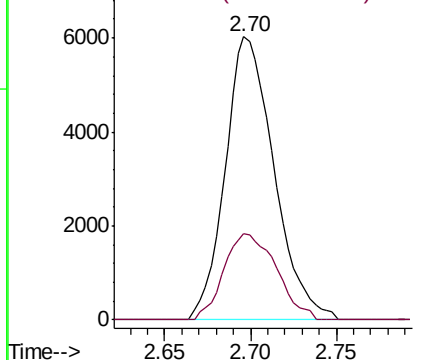
64 100

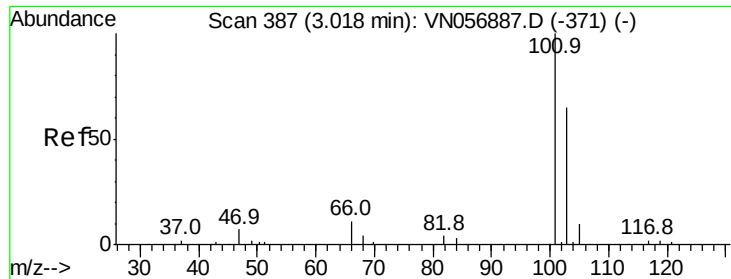
66 30.5 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

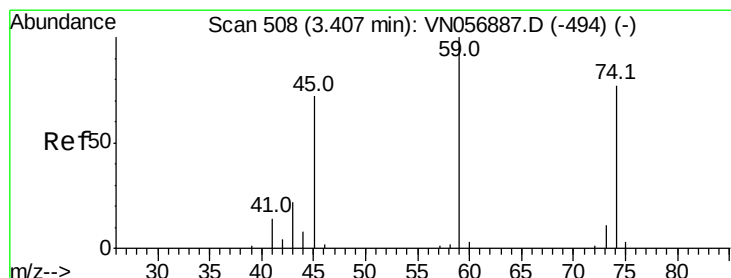
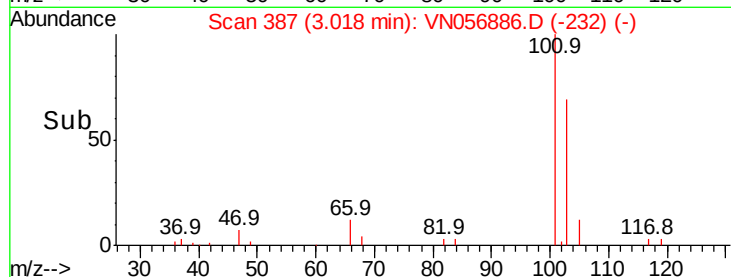
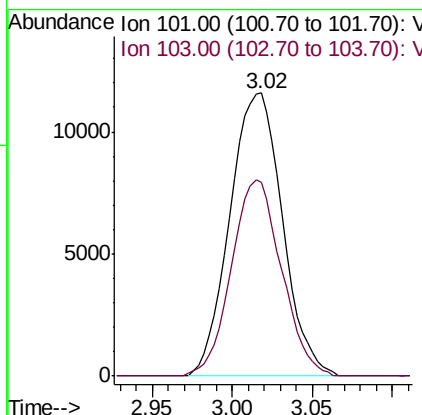
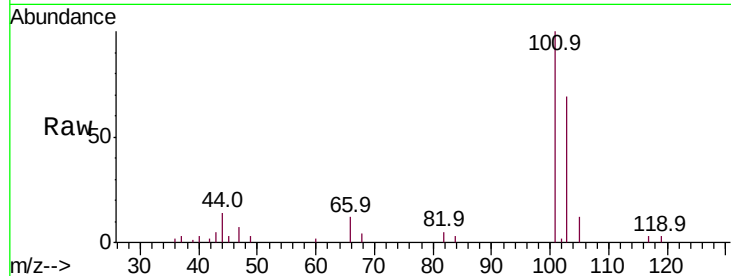
Trichlorofluoromethane
 Concen: 4.610 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	52.2	78.4

Manual Integrations
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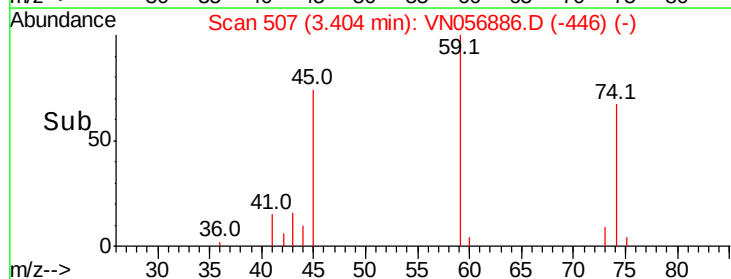
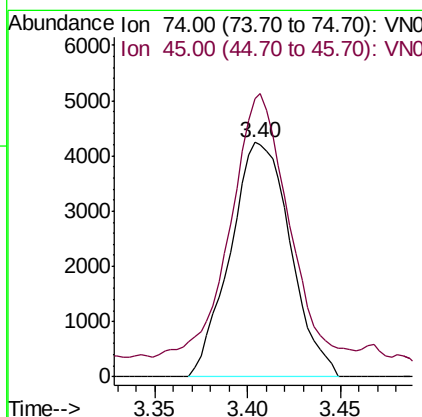
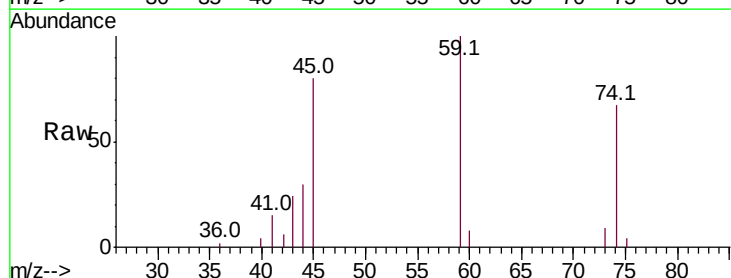
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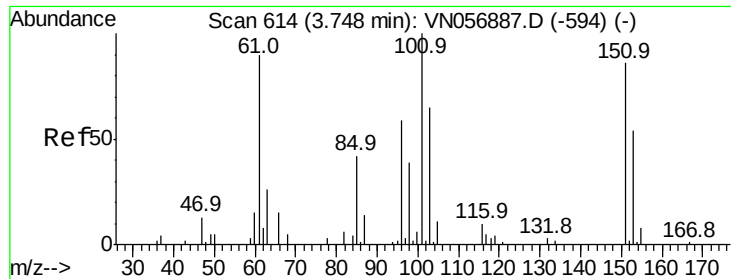


#8

Diethyl Ether
 Concen: 4.168 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.7	19.5	175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.803 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

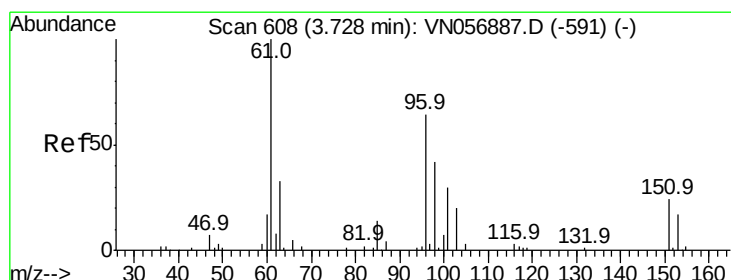
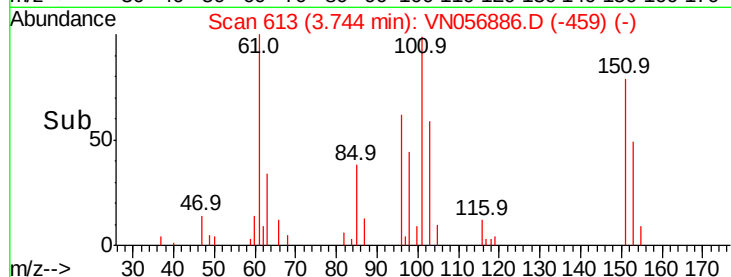
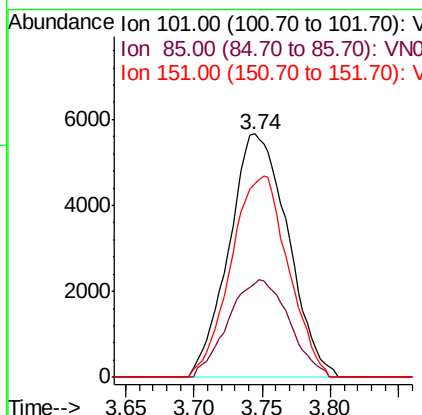
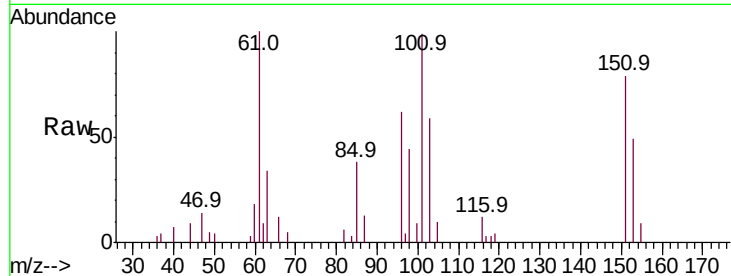
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16977
Ion Ratio	Lower	Upper	
101	100		
85	41.2	0.0	85.0
151	80.5	0.0	167.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 4.528 ug/l

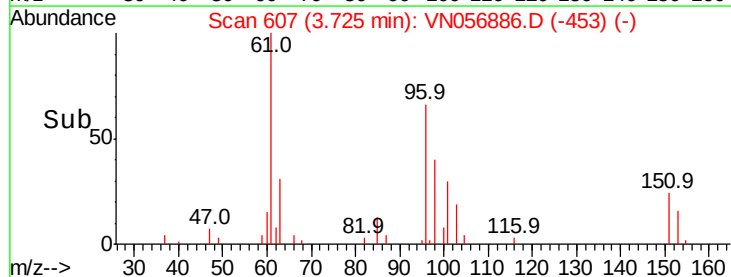
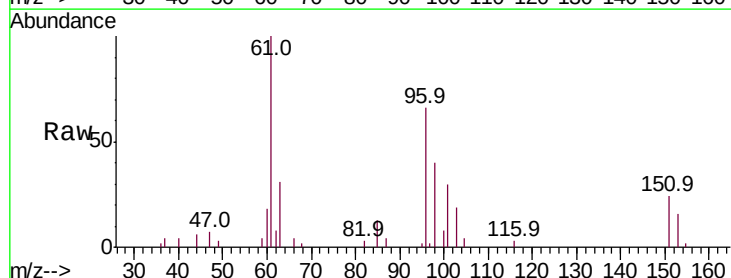
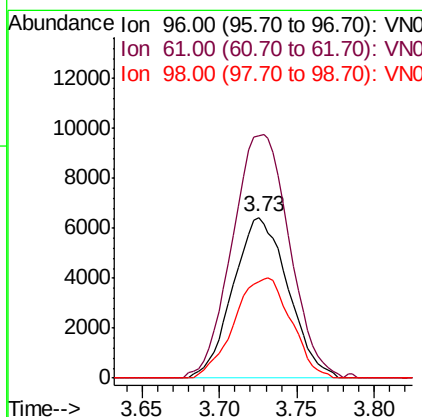
RT: 3.73 min Scan# 607

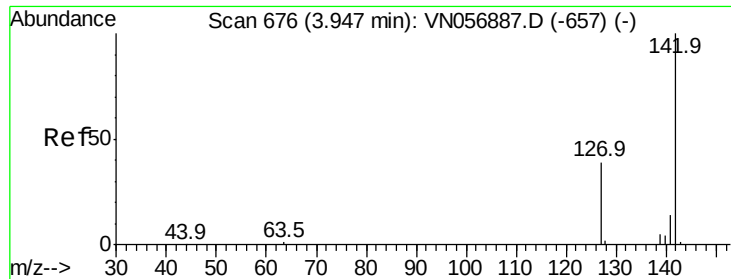
Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Tgt Ion:	96	Resp:	15912
Ion Ratio	Lower	Upper	
96	100		
61	148.1	125.8	188.8
98	60.0	52.7	79.1





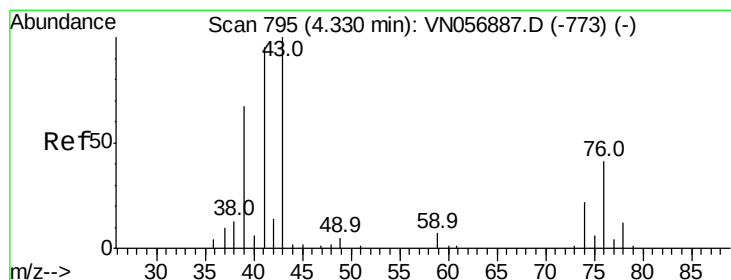
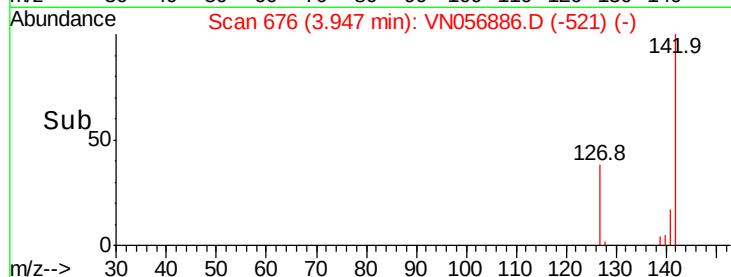
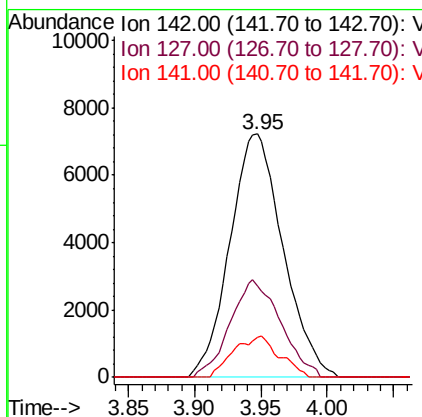
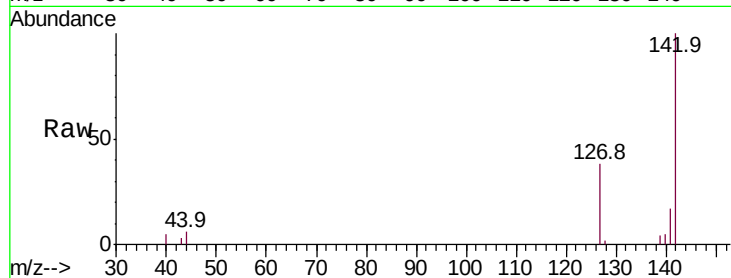
#11
Methvl Iodide
Concen: 4.228 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.7	19.6	58.8
141	16.5	7.2	21.6

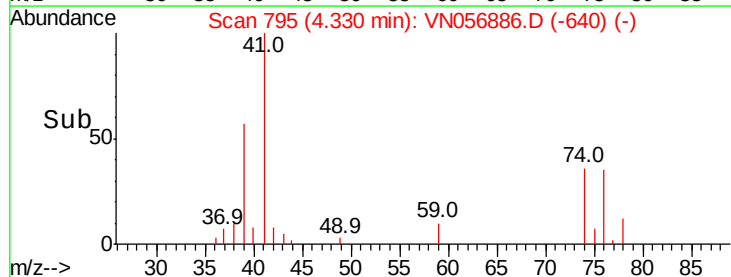
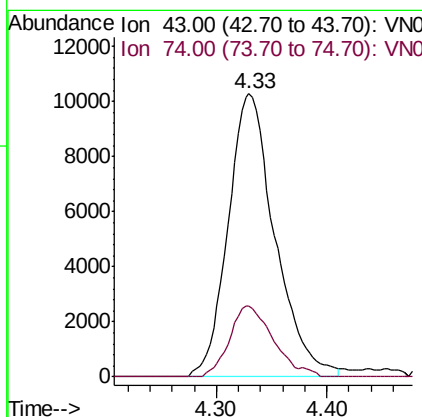
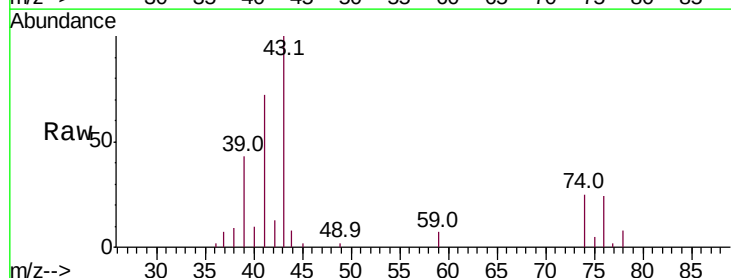
Manual Integrations
APPROVED

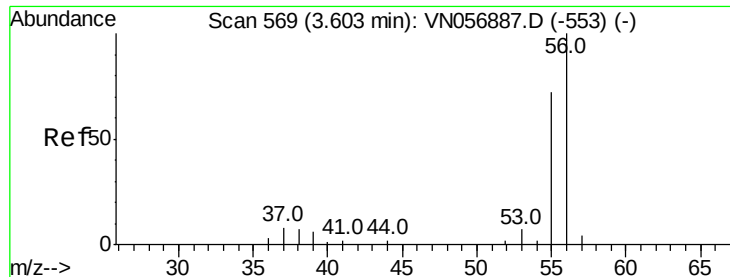
MMDadoda
7/25/2019 2:19:47 PM



#12
Methyl Acetate
Concen: 6.484 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	18.1	27.1





#13

Acrolein

Concen: 30.995 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11434

Ion Ratio Lower Upper

56 100

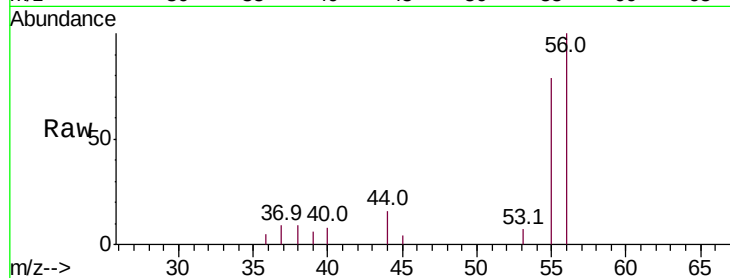
55 79.0 58.5 87.7

Manual Integrations

APPROVED

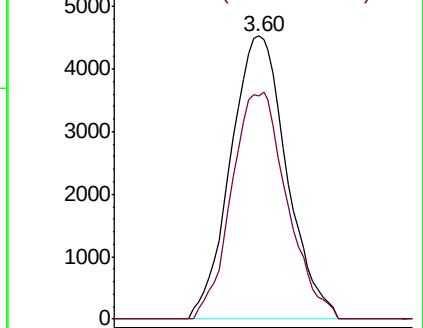
MMDadoda

7/25/2019 2:19:47 PM

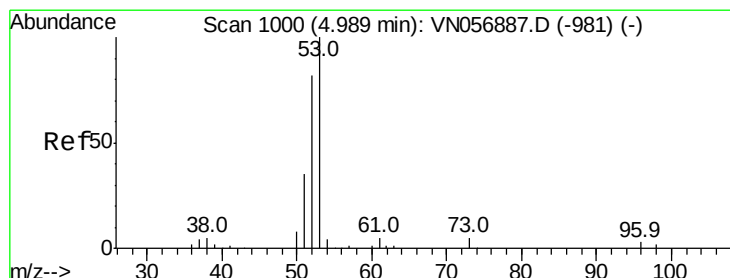
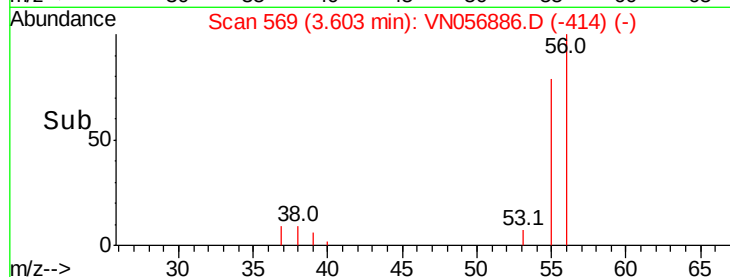


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Acrylonitrile

Concen: 18.229 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

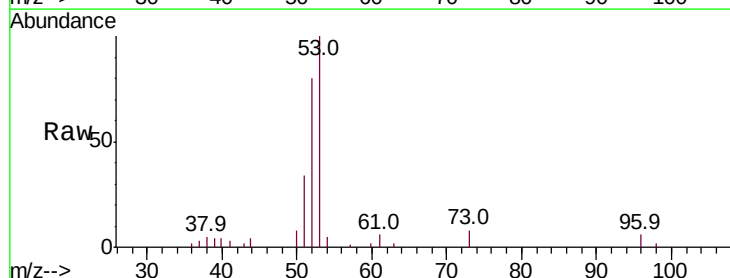
Tgt Ion: 53 Resp: 36620

Ion Ratio Lower Upper

53 100

52 81.9 40.8 122.5

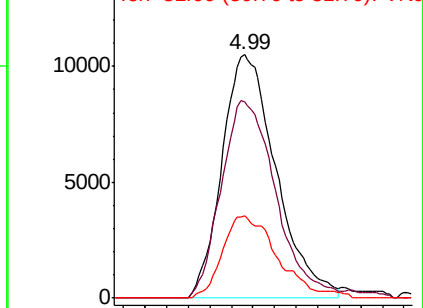
51 19.5 17.4 52.2



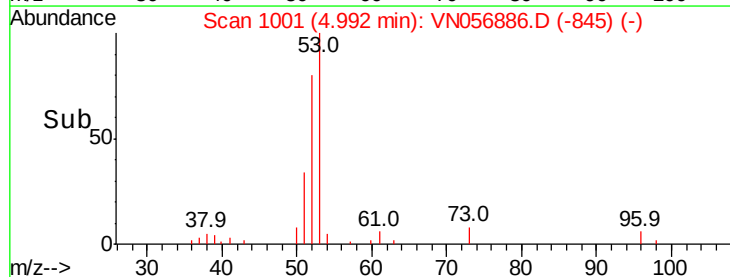
Abundance Ion 53.00 (52.70 to 53.70): VN0

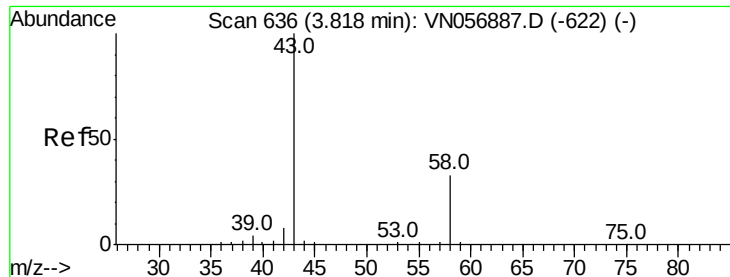
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->





#15

Acetone

Concen: 15.238 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 9743

Ion Ratio Lower Upper

58 100

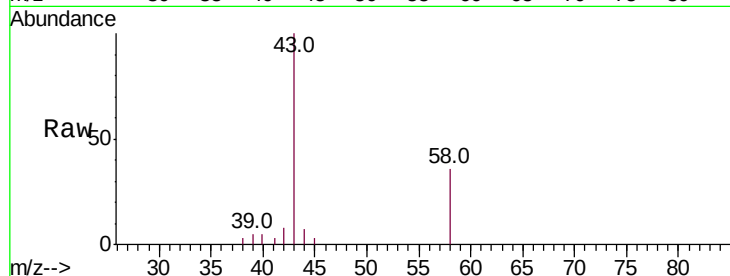
43 270.8 242.4 363.6

Manual Integrations

APPROVED

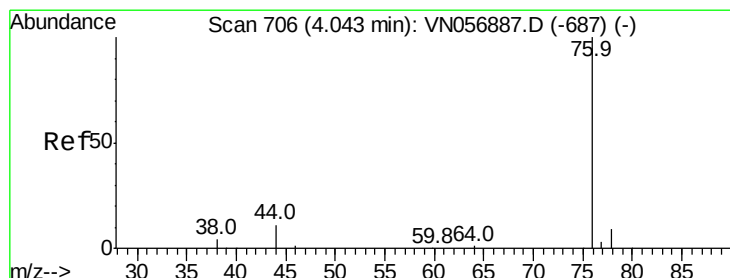
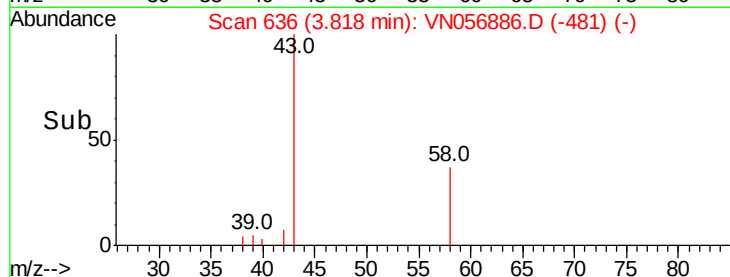
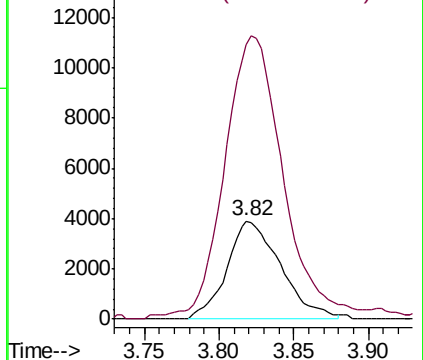
MMDadoda

7/25/2019 2:19:47 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 4.357 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN056886.D

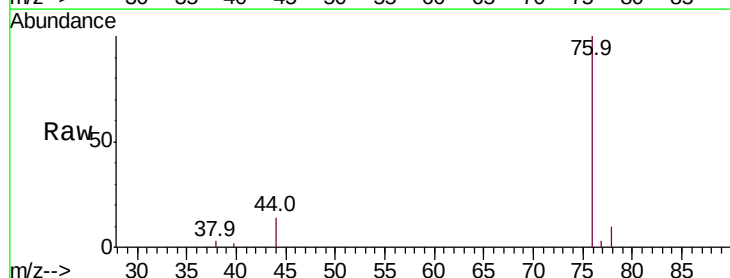
Acq: 23 Jul 2019 19:03

Tgt Ion: 76 Resp: 40546

Ion Ratio Lower Upper

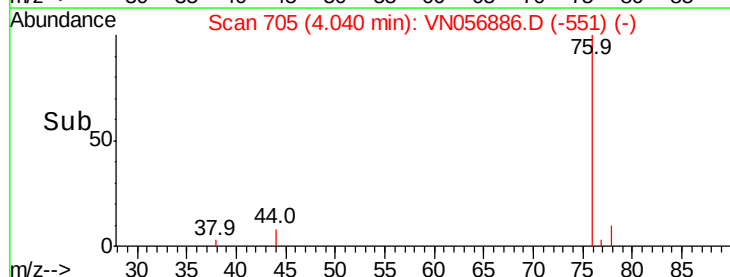
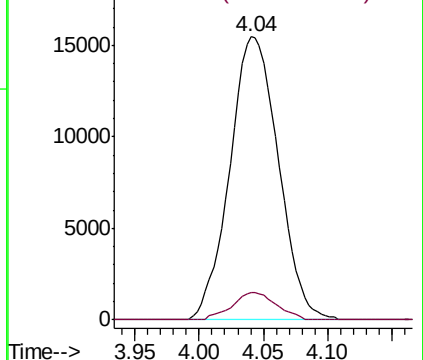
76 100

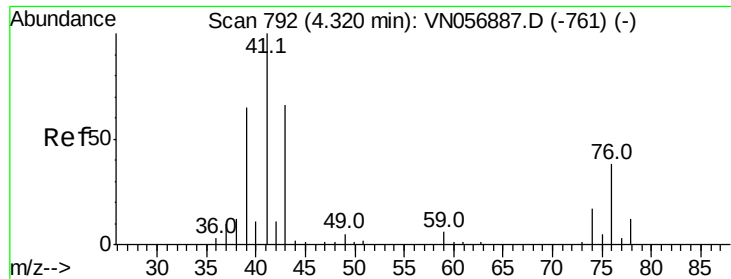
78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





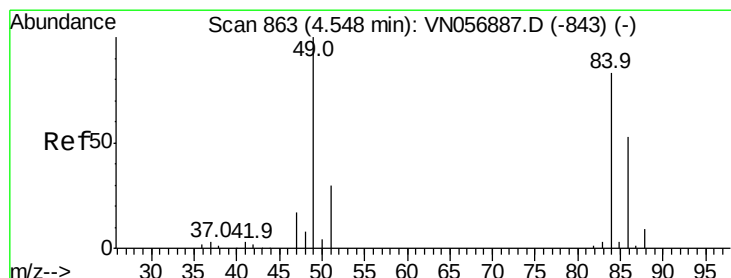
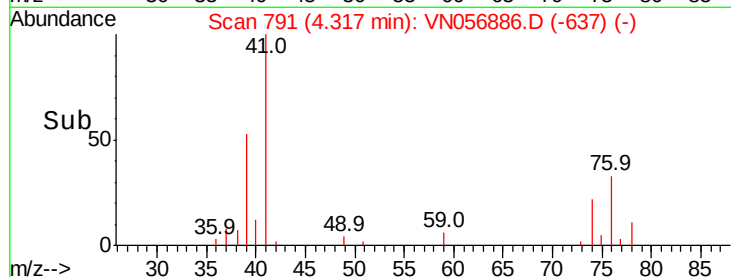
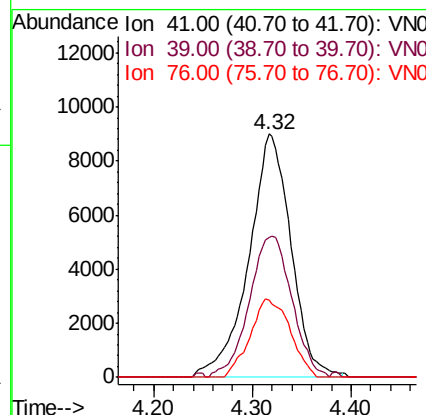
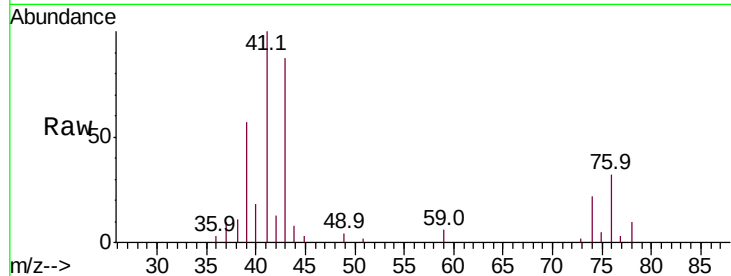
#17
Allvl chloride
Concen: 4.368 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.5	32.4	97.0
76	31.6	19.0	57.0

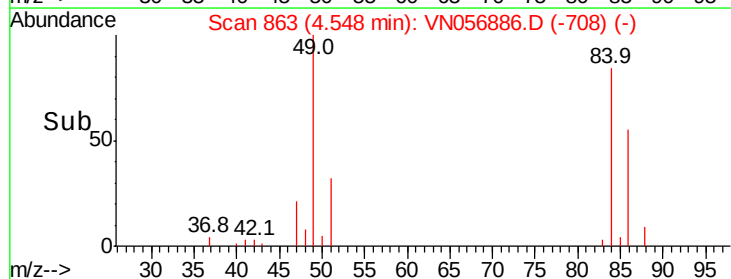
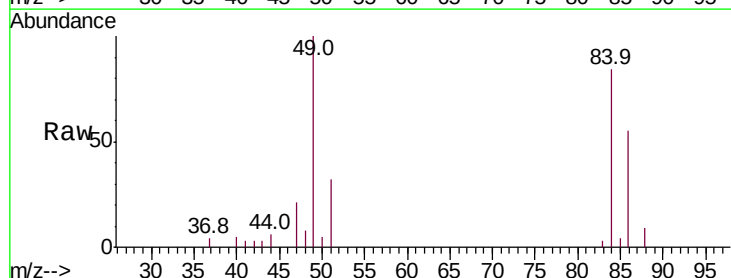
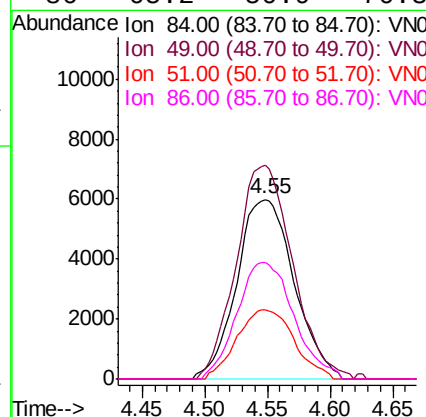
Manual Integrations
APPROVED

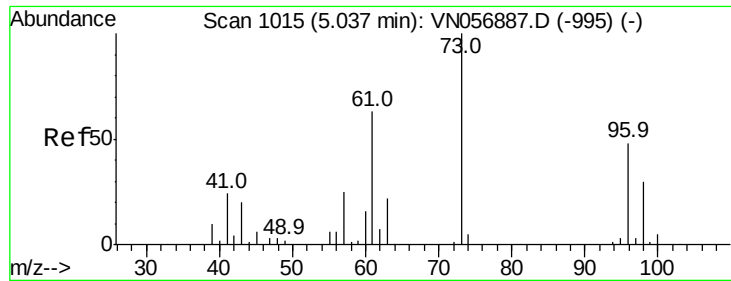
MMDadoda
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#18
Methylene Chloride
Concen: 4.624 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.9	96.3	144.5
51	38.5	28.8	43.2
86	65.2	50.9	76.3





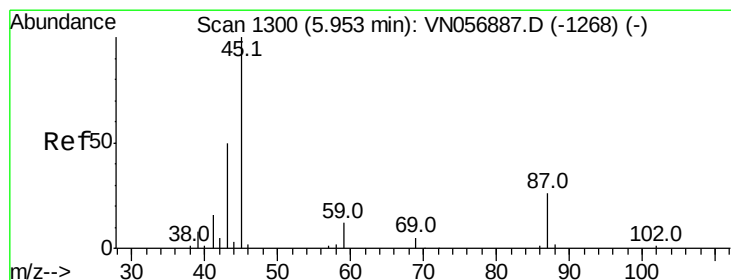
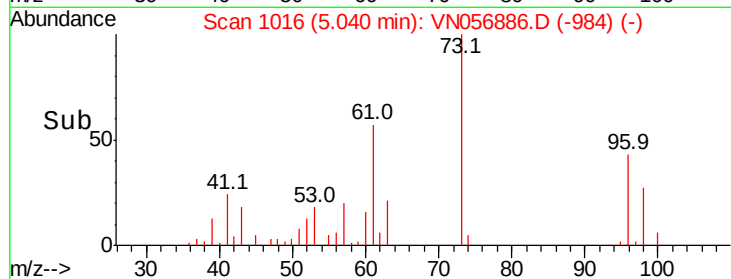
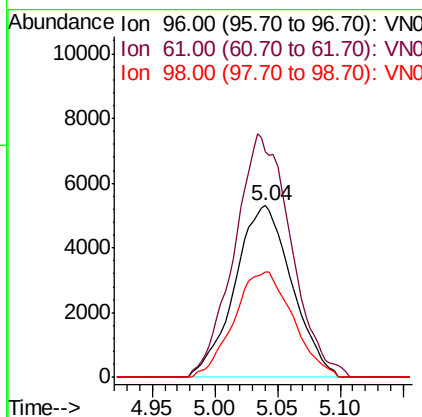
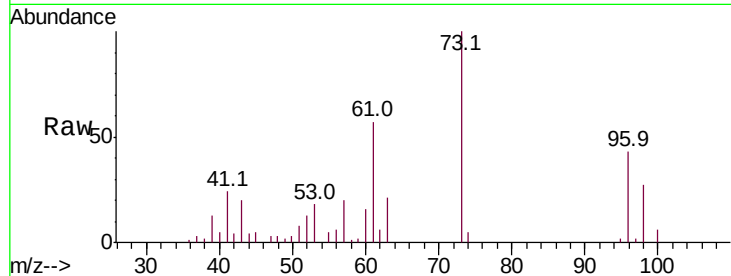
#19
trans-1,2-Dichloroethene
Concen: 4.491 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.7	105.4	158.0
98	61.6	50.8	76.2

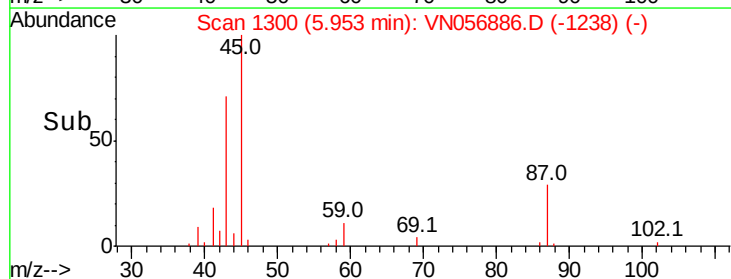
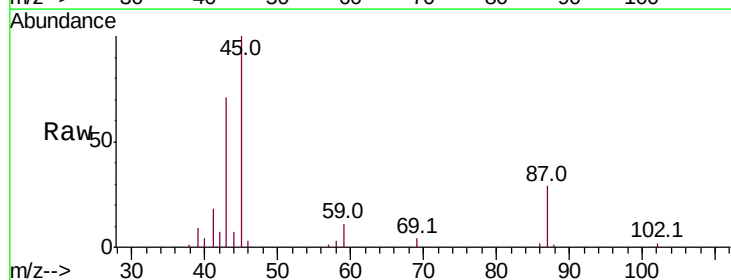
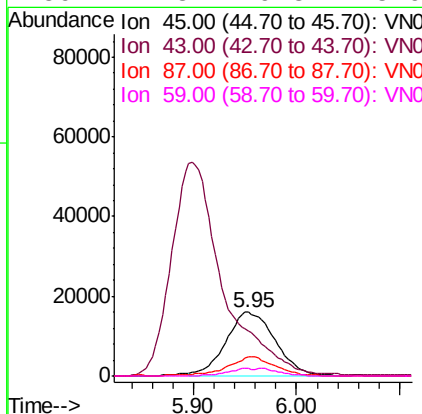
Manual Integrations
APPROVED

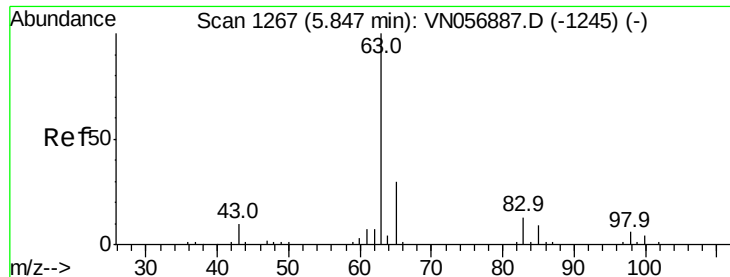
MMDadoda
7/25/2019 2:19:47 PM



#20
Diisopropyl ether
Concen: 4.350 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.4	47.4	71.0
87	29.3	21.7	32.5
59	11.3	9.3	13.9





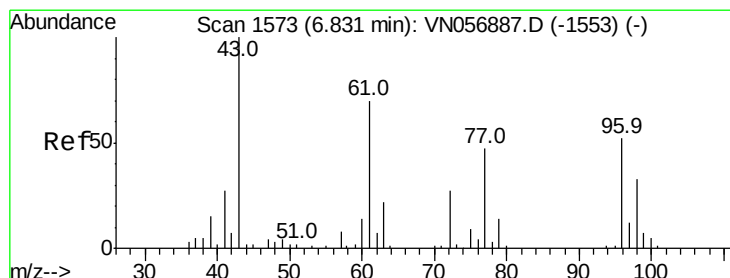
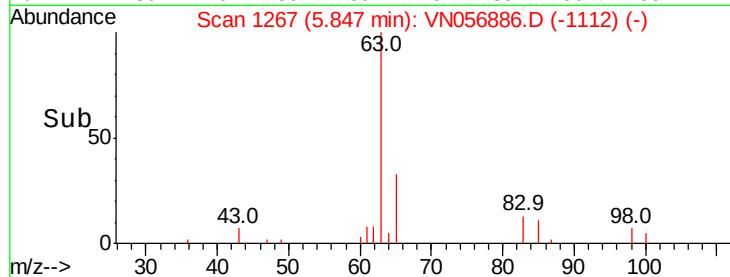
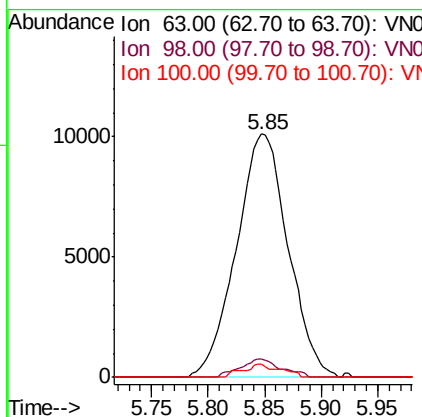
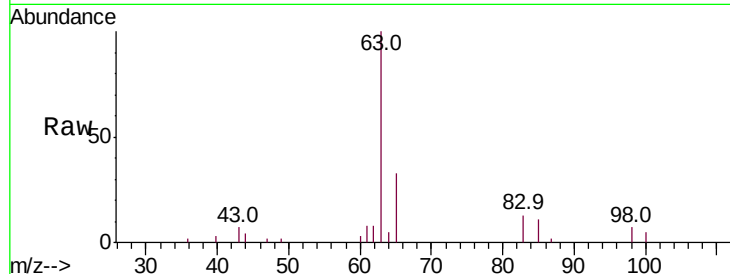
#21
 1,1-Dichloroethane
 Concen: 4.599 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.5	3.1	9.3	
100	5.2	1.8	5.5	

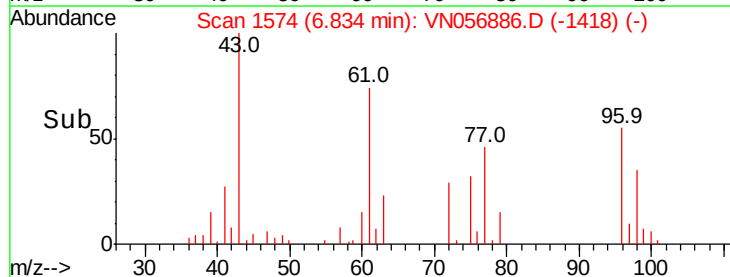
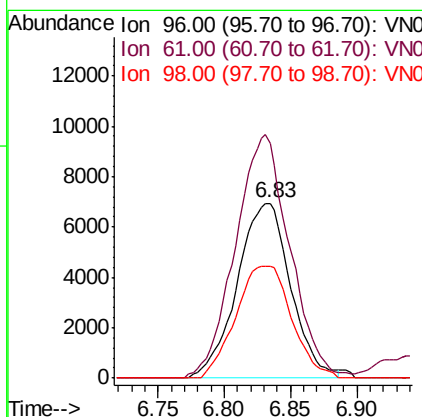
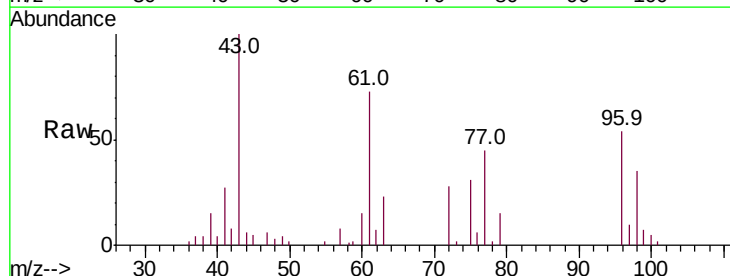
Manual Integrations
 APPROVED

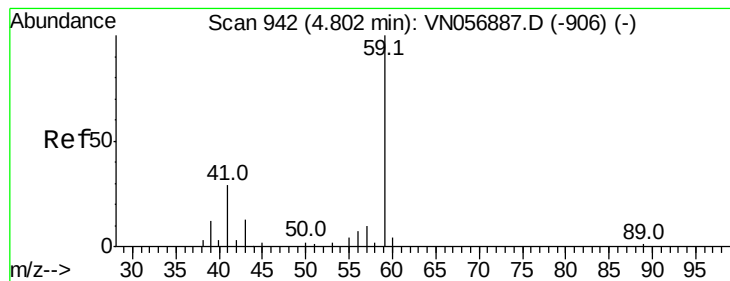
MMDadoda
 7/25/2019 2:19:47 PM



#22
 cis-1,2-Dichloroethene
 Concen: 4.427 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.9	111.6	167.4	
98	66.9	51.0	76.4	





#23

tert-Butyl Alcohol

Concen: 15.144 ug/l m

RT: 4.81 min Scan# 944

Delta R.T. 0.01 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 10710

Ion Ratio Lower Upper

59 100

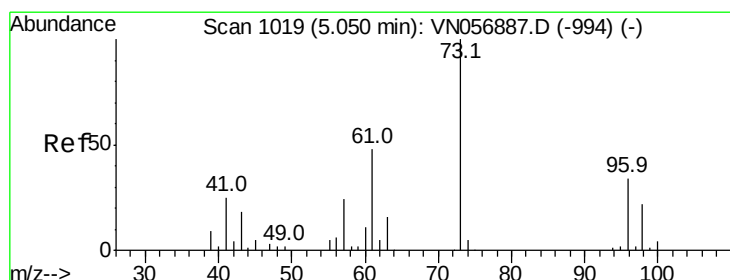
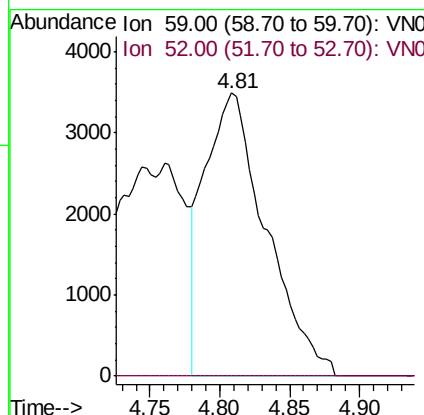
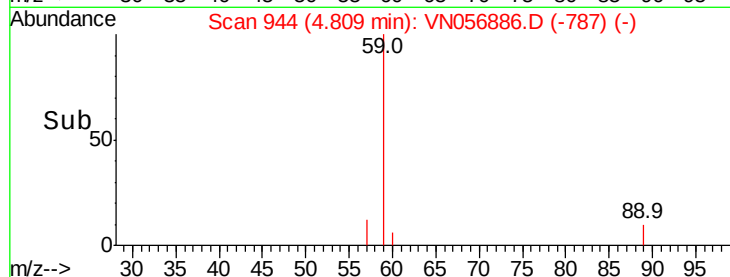
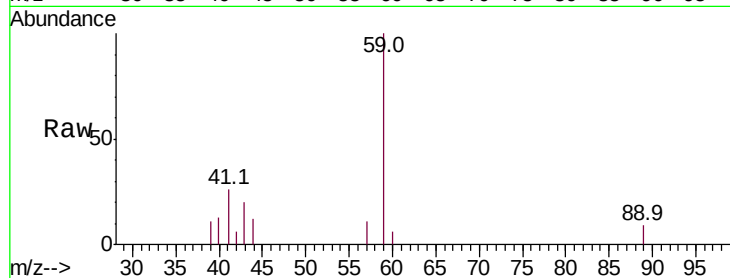
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

7/25/2019 2:19:47 PM



#24

Methyl tert-Butyl Ether

Concen: 4.323 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN056886.D

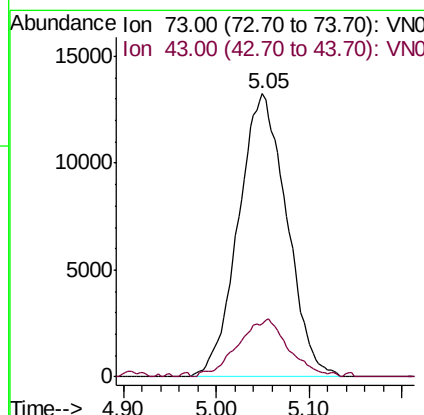
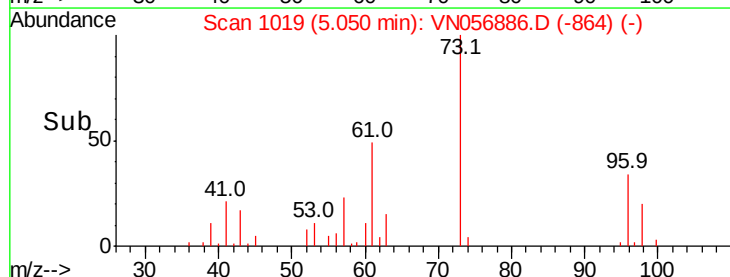
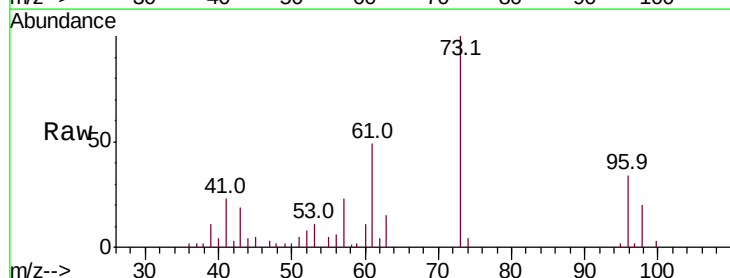
Acq: 23 Jul 2019 19:03

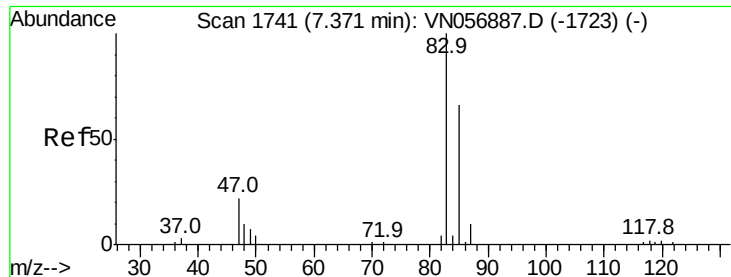
Tgt Ion: 73 Resp: 47979

Ion Ratio Lower Upper

73 100

43 7.8 15.4 23.0#





#25

Chloroform

Concen: 4.671 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 83 Resp: 31752

Ion Ratio Lower Upper

83 100

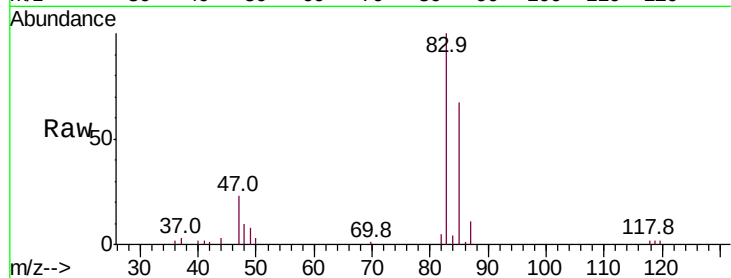
85 66.9 53.1 79.7

Manual Integrations

APPROVED

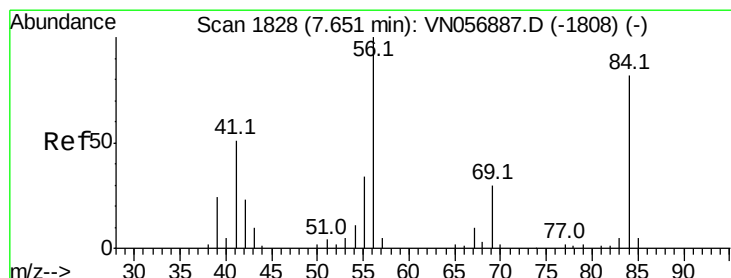
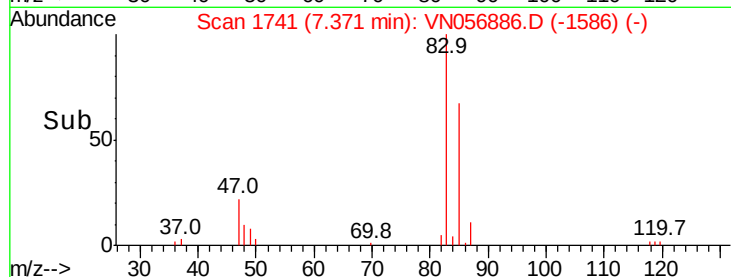
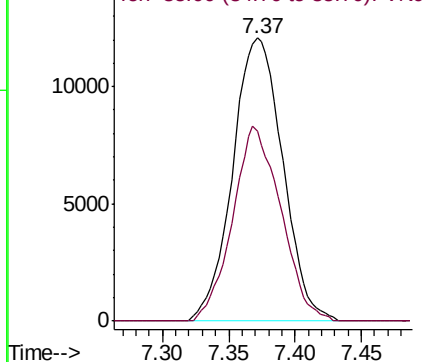
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 4.232 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

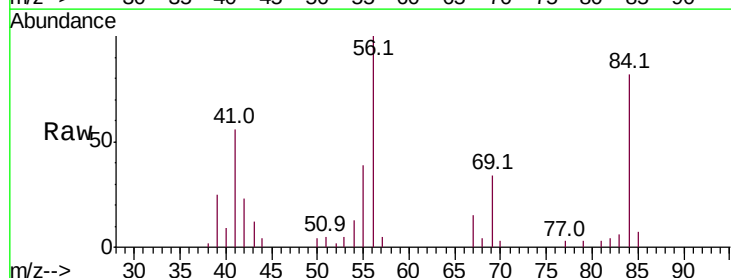
Tgt Ion: 56 Resp: 27257

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

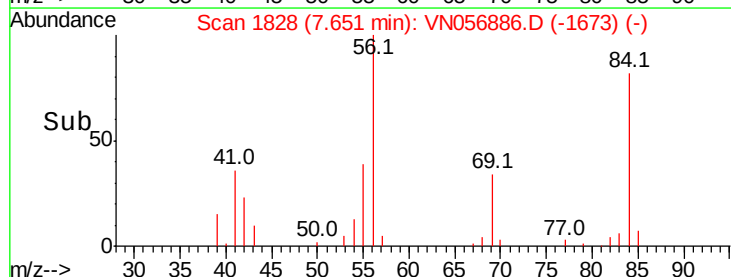
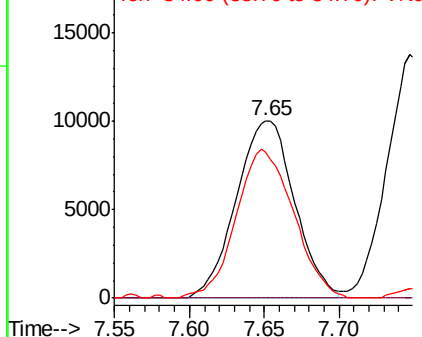
84 82.4 67.8 101.6

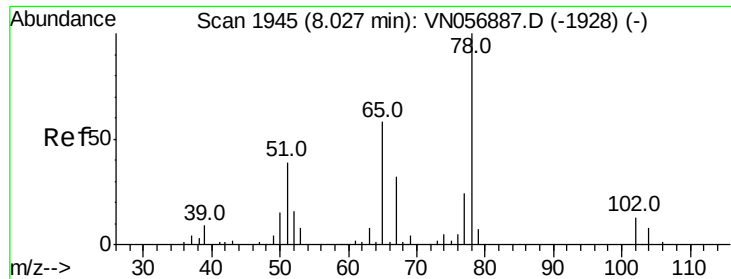


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





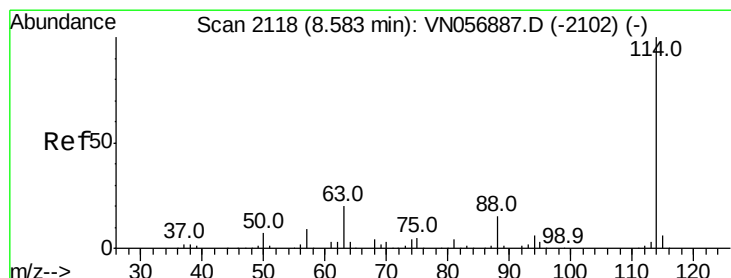
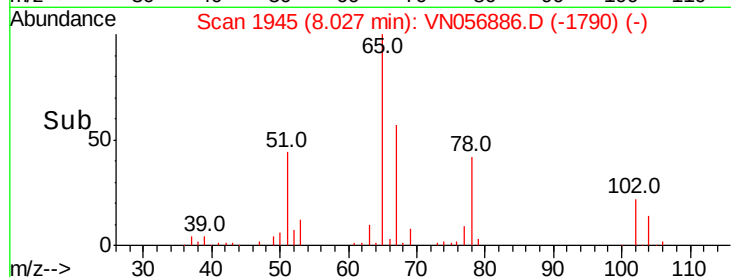
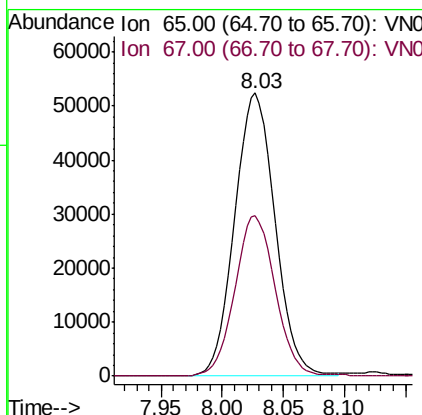
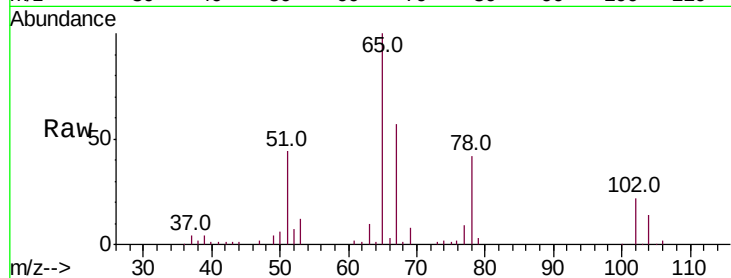
#27
 1,2-Dichloroethane-d4
 Concen: 29.347 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.4	44.6	66.8

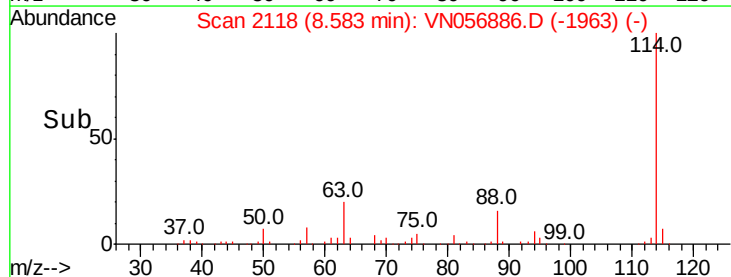
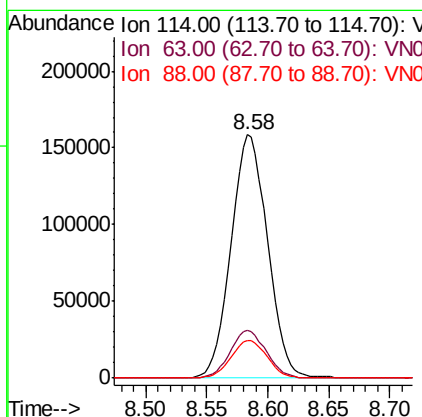
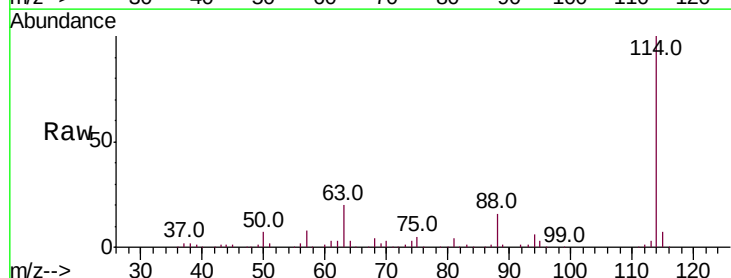
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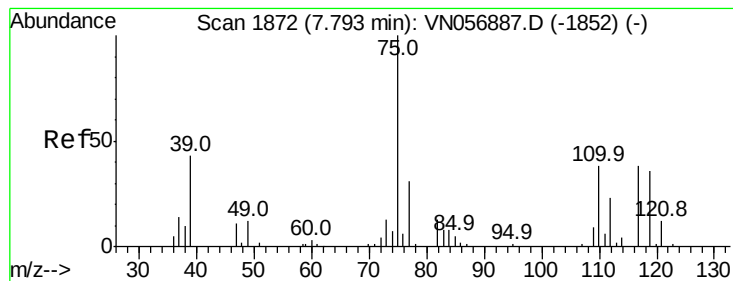
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	15.8	23.6
88	15.4	12.5	18.7





#29

1,1-Dichloropropene

Concen: 4.266 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

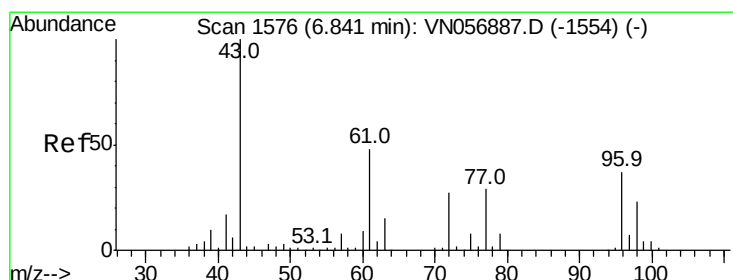
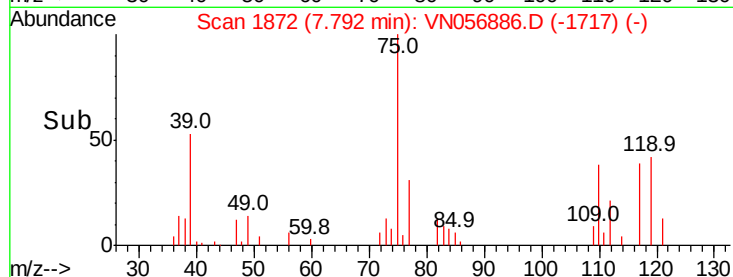
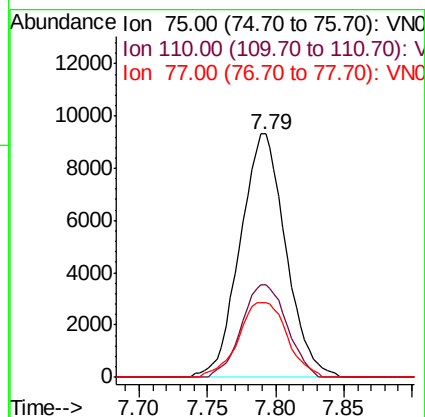
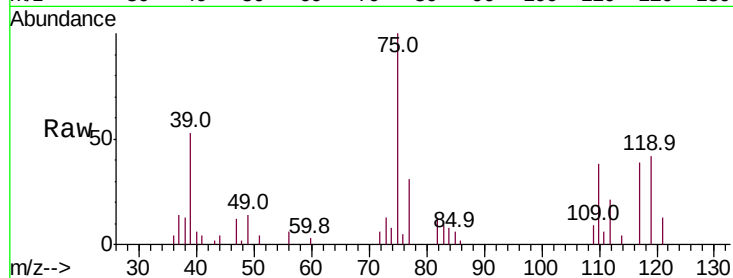
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	21617
Ion Ratio	Lower	Upper	
75	100		
110	37.8	0.0	75.8
77	32.7	0.0	64.0

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#30

2-Butanone

Concen: 16.419 ug/l

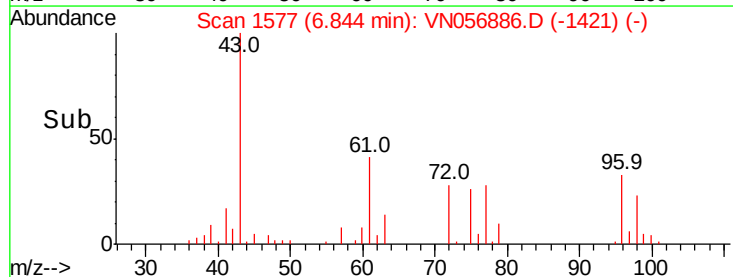
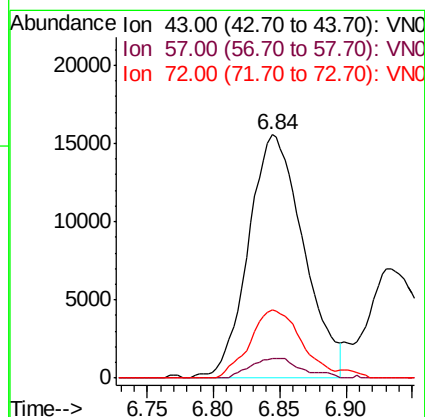
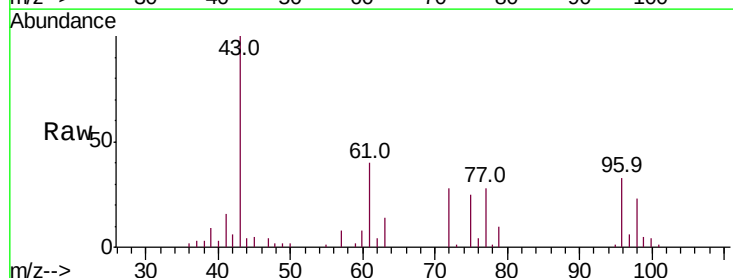
RT: 6.84 min Scan# 1577

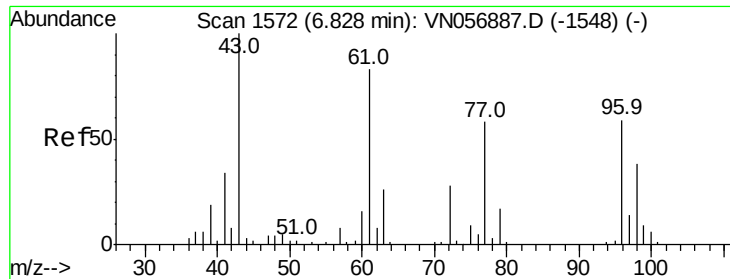
Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Tgt Ion:	43	Resp:	45172
Ion Ratio	Lower	Upper	
43	100		
57	6.9	6.5	9.7
72	26.2	22.1	33.1





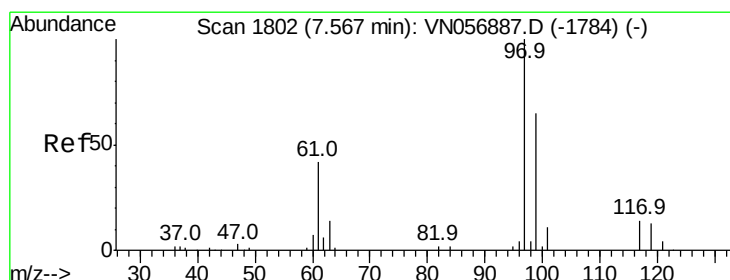
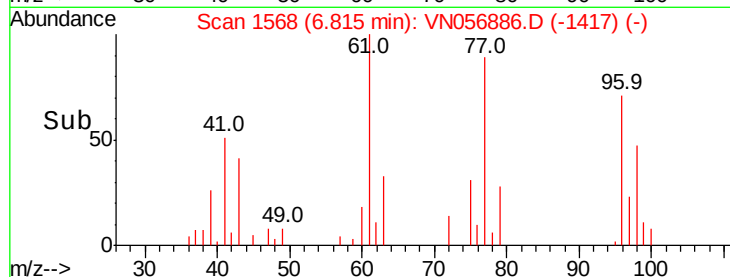
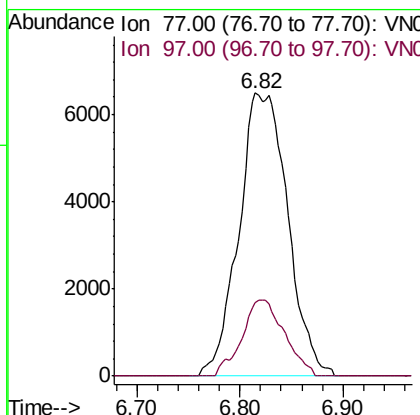
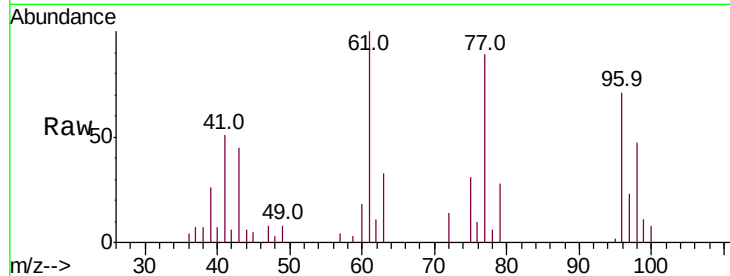
#31
 2,2-Dichloropropane
 Concen: 4.376 ug/l m
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 21403
 Ion Ratio Lower Upper
 77 100
 97 22.3 19.3 28.9

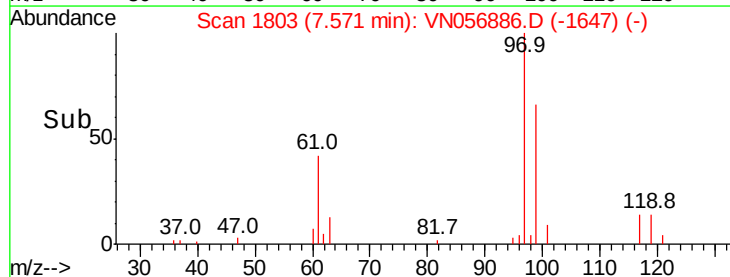
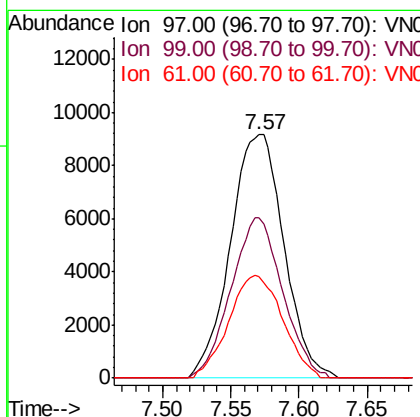
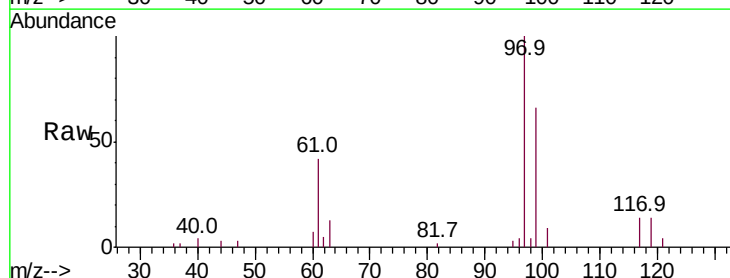
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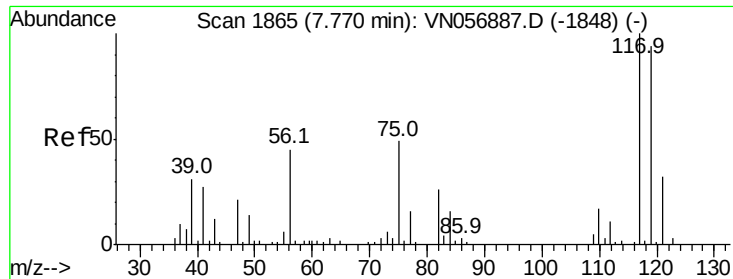
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#32
 1,1,1-Trichloroethane
 Concen: 4.581 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 97 Resp: 24977
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.3 78.5
 61 42.4 34.4 51.6





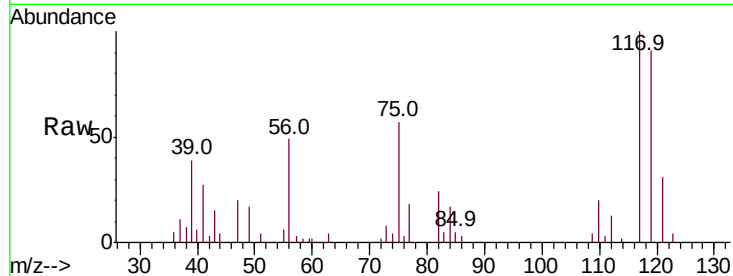
#33
Carbon Tetrachloride
Concen: 4.522 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

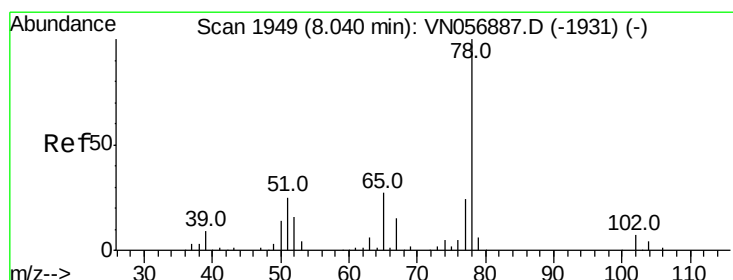
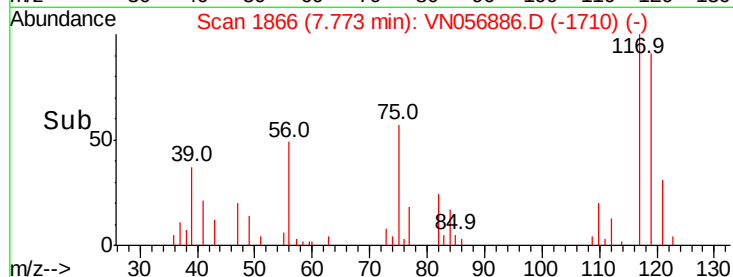
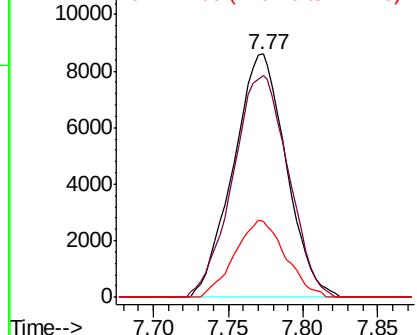
Tot Ion:117 Resp: 21205
Ion Ratio Lower Upper
117 100
119 90.9 75.1 112.7
121 31.1 25.8 38.8

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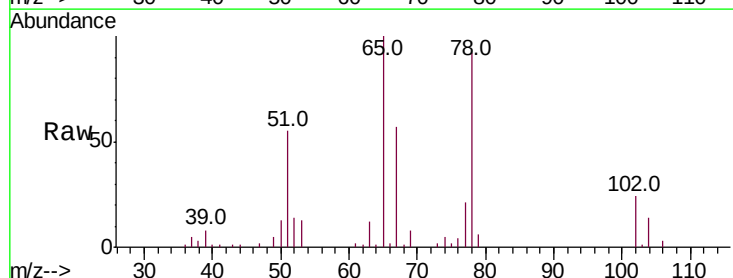


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

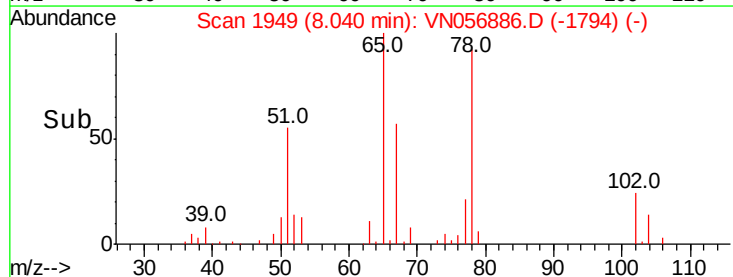
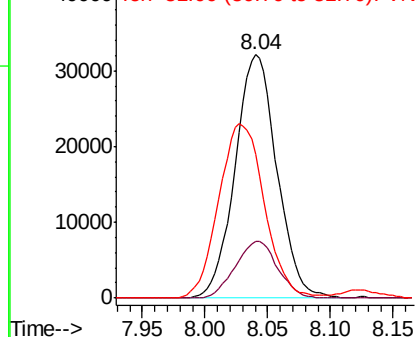


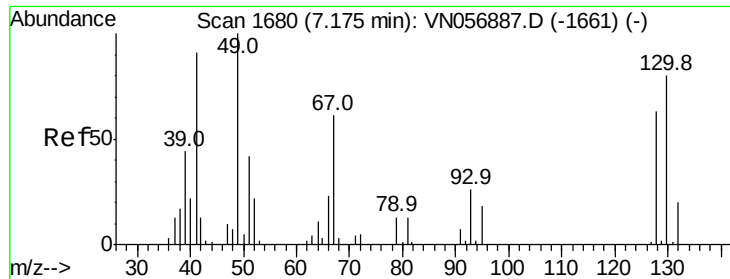
#34
Benzene
Concen: 4.741 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 78 Resp: 74418
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.2
51 57.4 20.4 30.6#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V





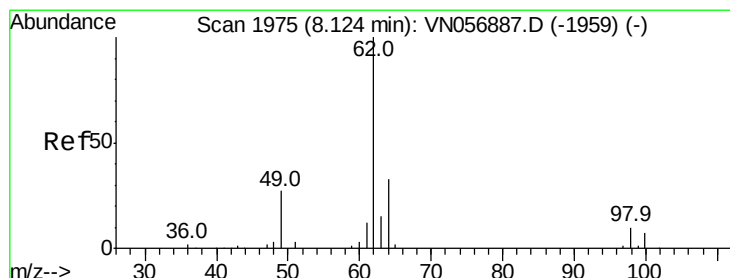
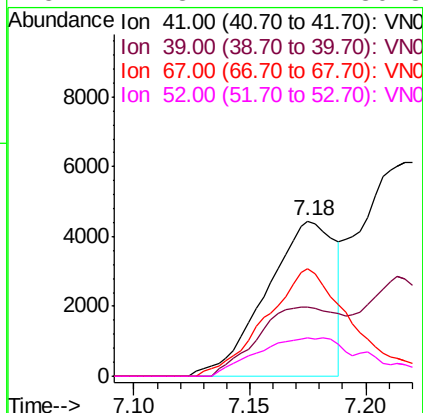
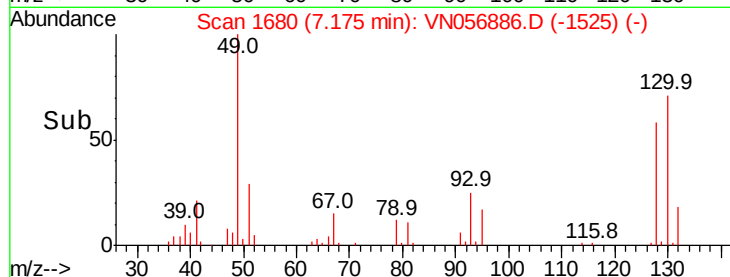
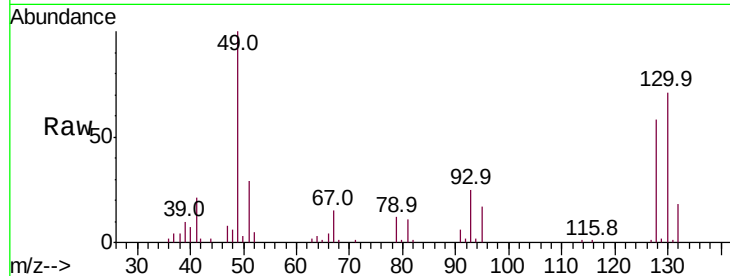
#35
Methacrylonitrile
Concen: 3.970 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	9143
Ion	Ratio	Lower	Upper
41	100		
39	44.9	24.4	73.2
67	69.3	33.4	100.1
52	24.3	12.1	36.3

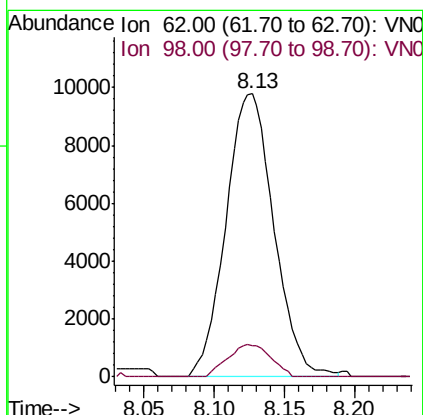
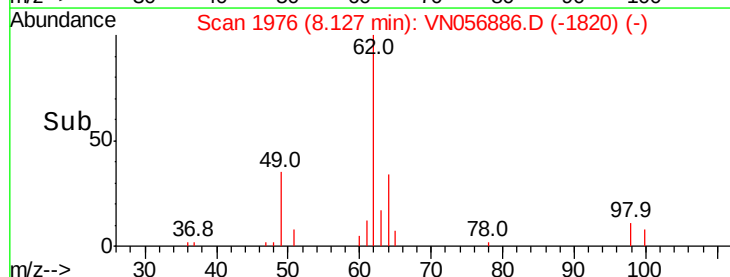
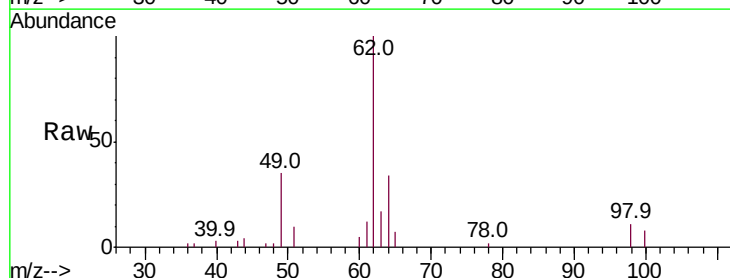
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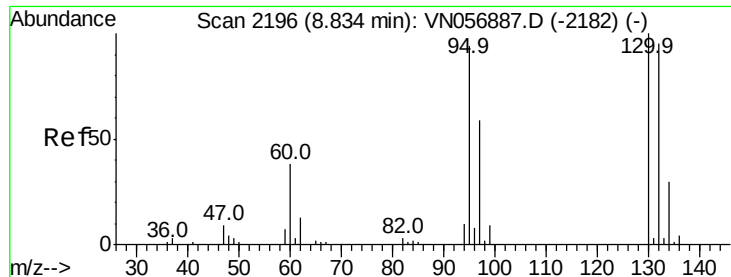
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#36
1,2-Dichloroethane
Concen: 4.649 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion:	62	Resp:	23293
Ion	Ratio	Lower	Upper
62	100		
98	10.3	7.7	11.5





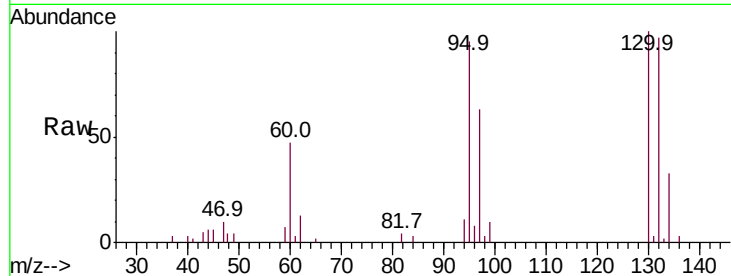
#37
 Trichloroethene
 Concen: 4.681 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

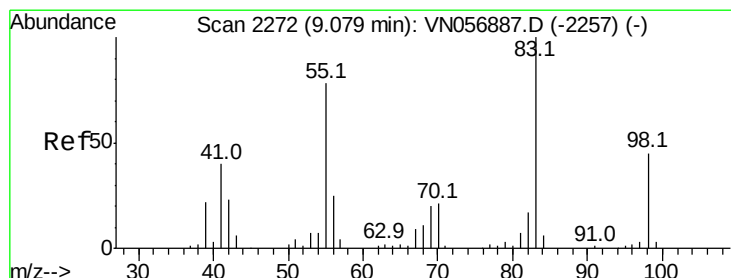
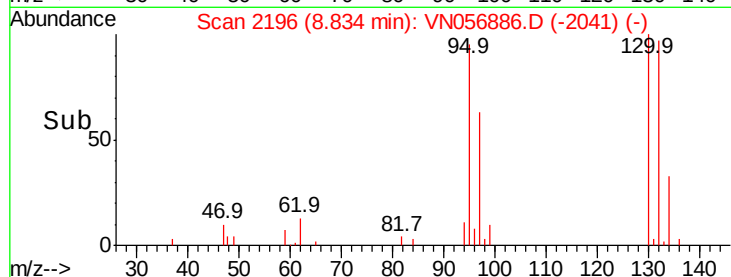
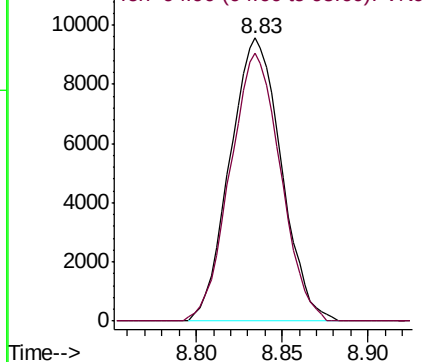
Tot Ion:130 Resp: 19859
 Ion Ratio Lower Upper
 130 100
 95 94.8 74.9 112.3

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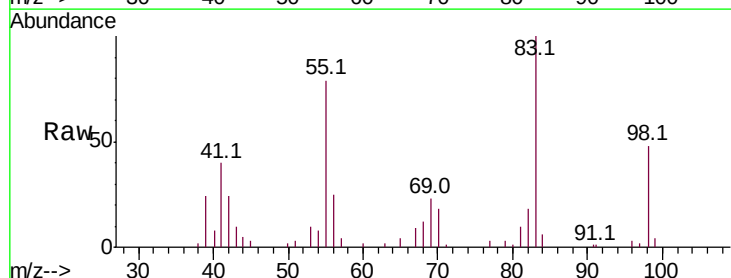


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

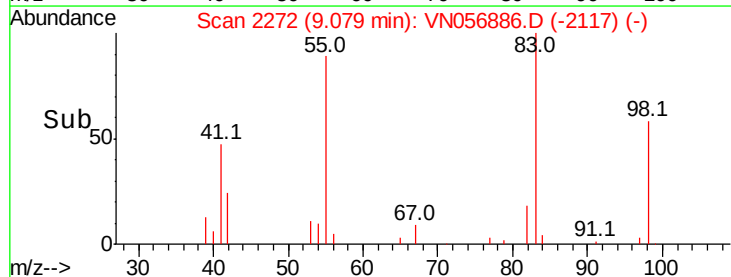
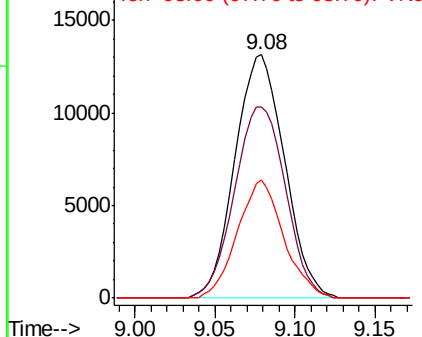


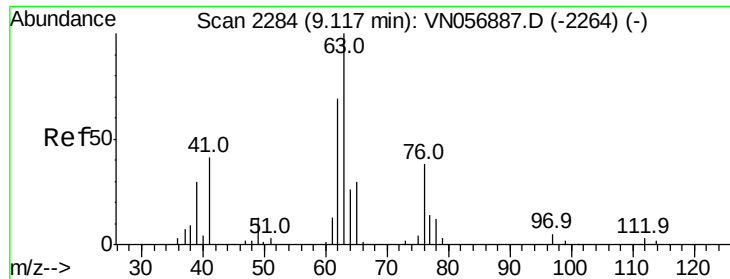
#38
 Methylcyclohexane
 Concen: 4.373 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 83 Resp: 27918
 Ion Ratio Lower Upper
 83 100
 55 80.9 38.4 115.1
 98 45.3 22.7 68.0



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 4.673 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 19643

Ion Ratio Lower Upper

63 100

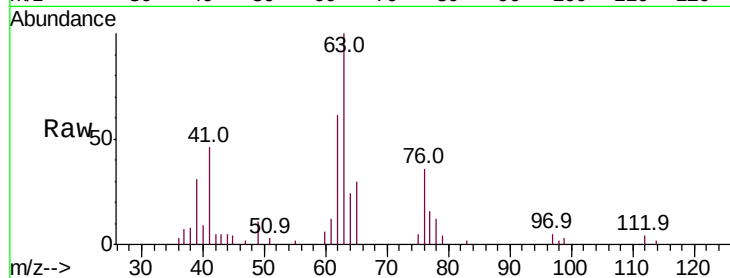
65 29.9 24.6 36.8

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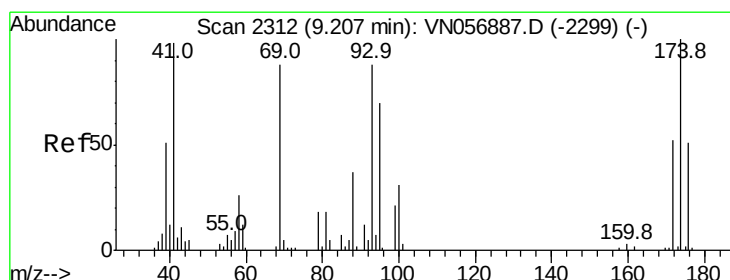
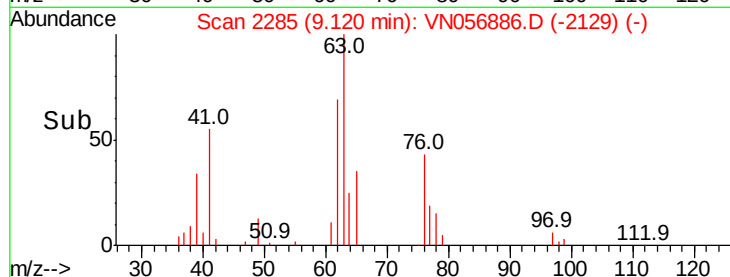
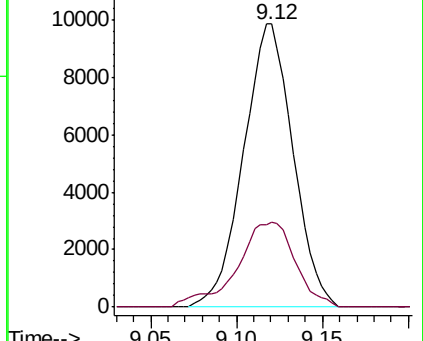
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 4.588 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

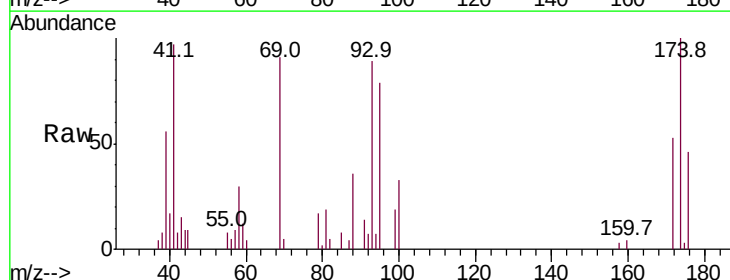
Tgt Ion: 93 Resp: 12229

Ion Ratio Lower Upper

93 100

95 86.0 0.0 165.8

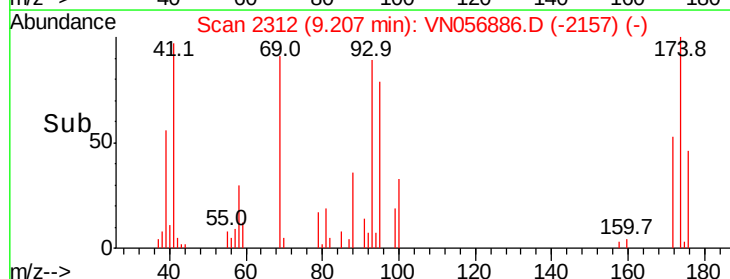
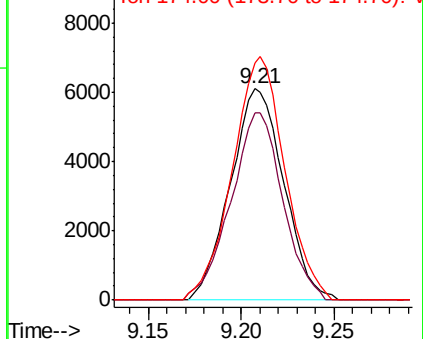
174 113.0 0.0 232.4

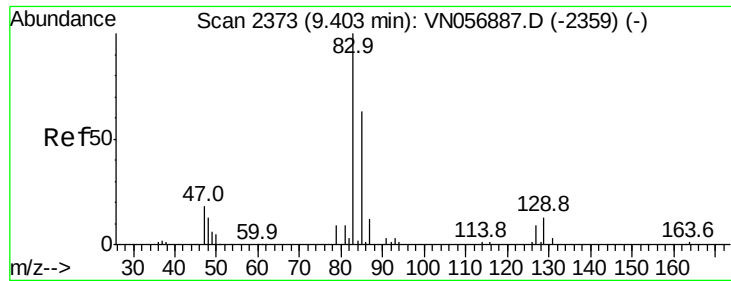


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.413 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

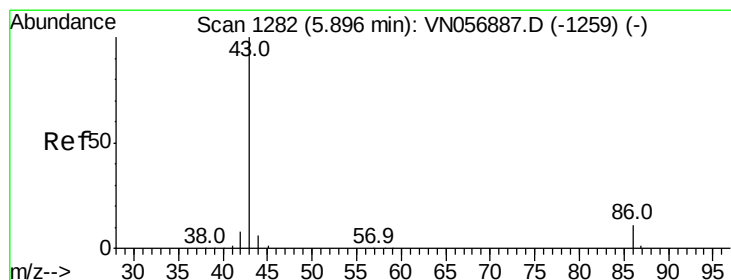
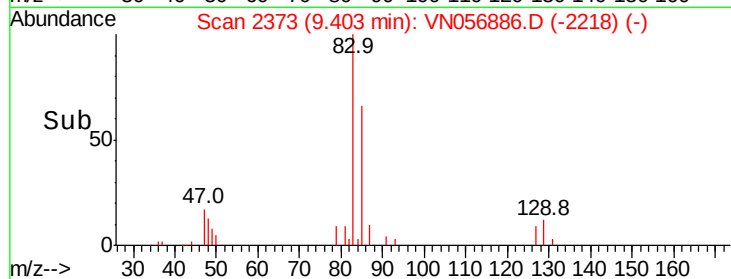
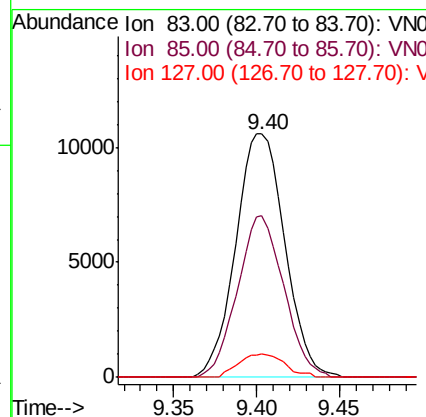
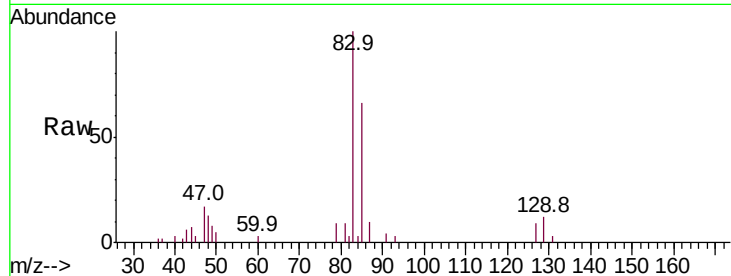
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21803
Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.6	75.8
127	9.4	7.2	10.8

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#42

Vinyl Acetate

Concen: 19.297 ug/l

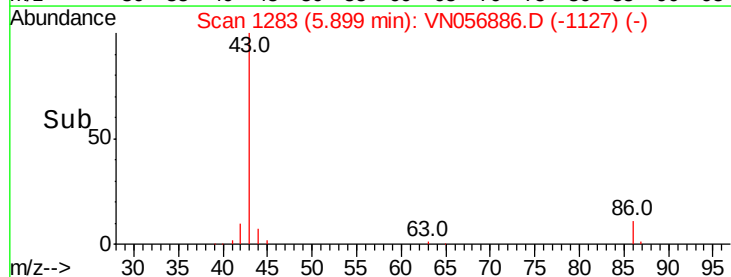
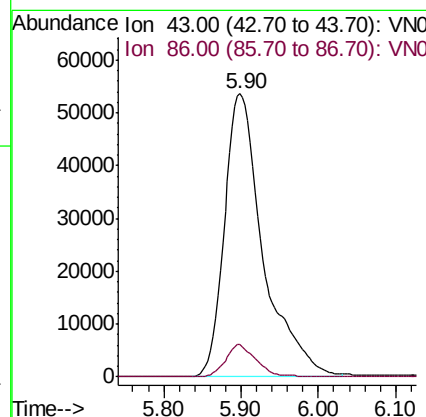
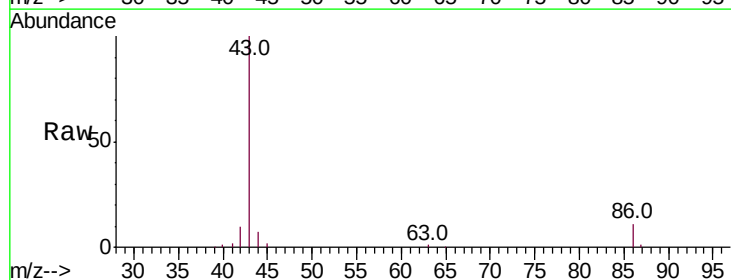
RT: 5.90 min Scan# 1283

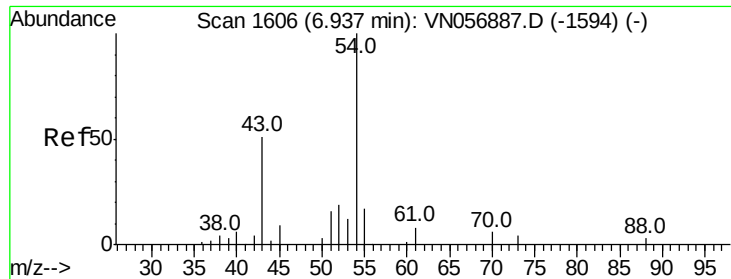
Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Tgt Ion:	43	Resp:	186433
Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.4	11.2





#43

Ethyl Acetate

Concen: 3.561 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 18162

Ion Ratio Lower Upper

43 100

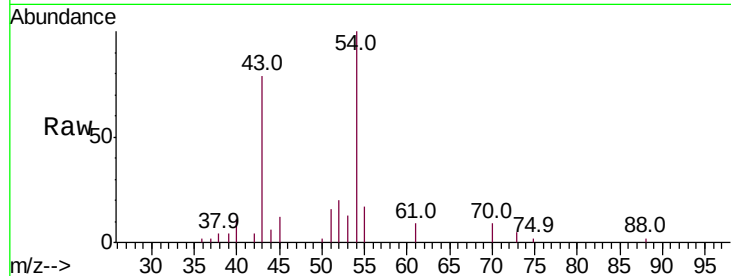
45 13.7 10.2 15.2

Manual Integrations

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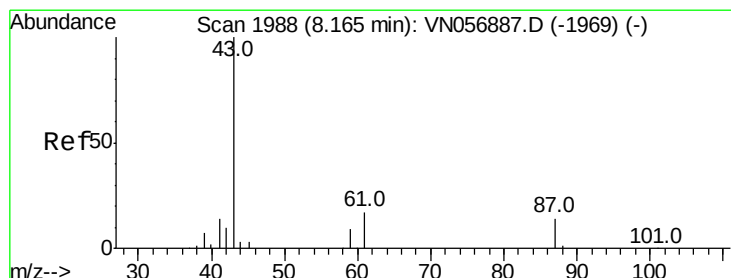
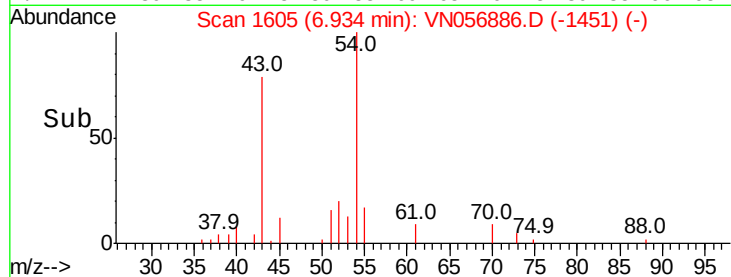
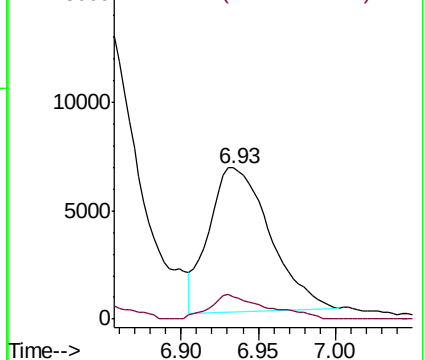
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 3.735 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056886.D

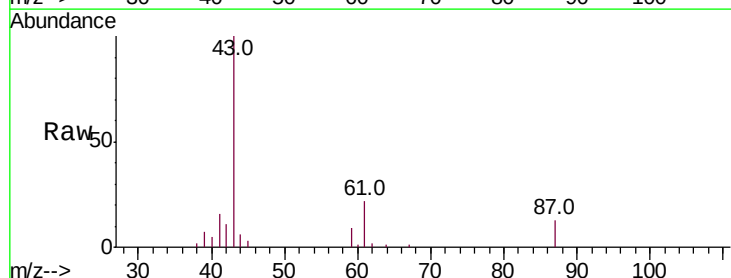
Acq: 23 Jul 2019 19:03

Tgt Ion: 43 Resp: 30352

Ion Ratio Lower Upper

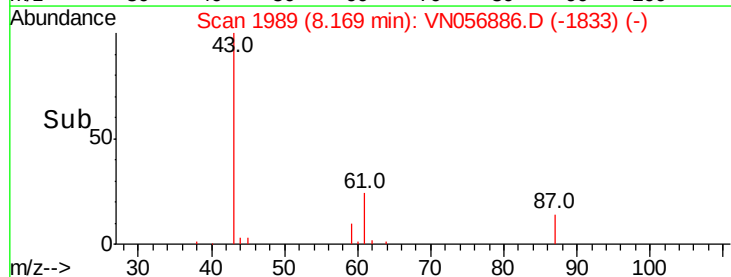
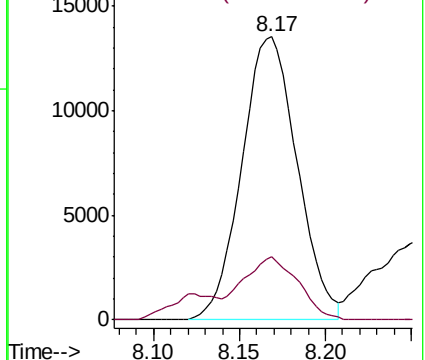
43 100

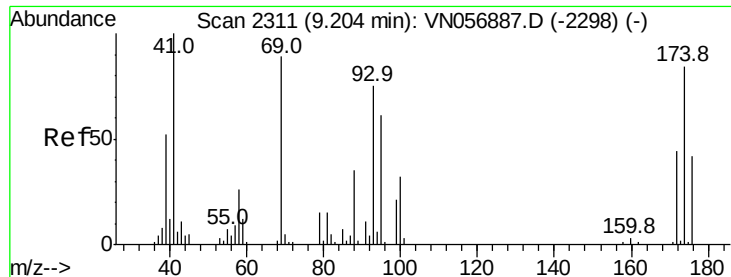
61 22.2 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 70.705 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

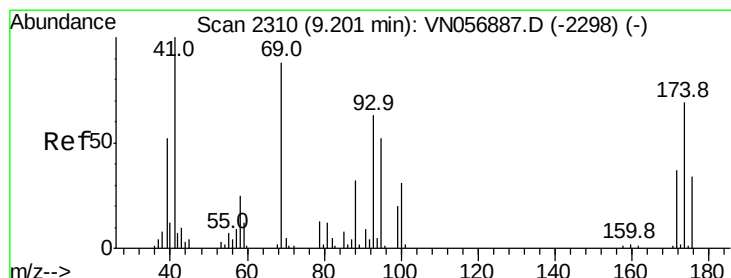
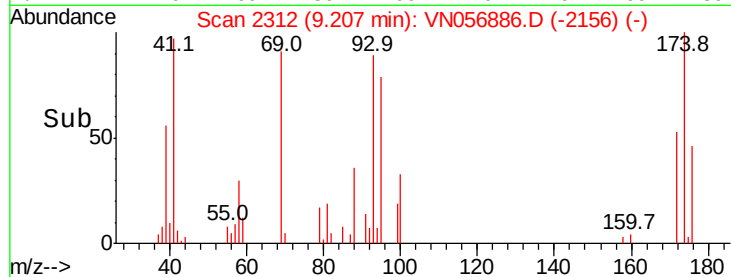
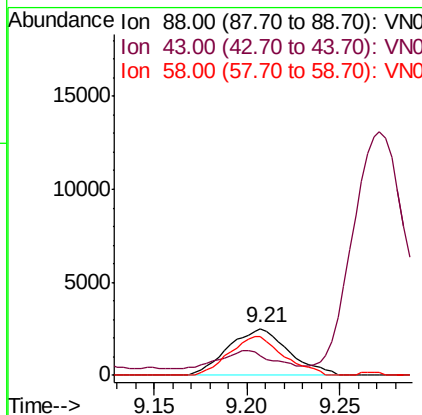
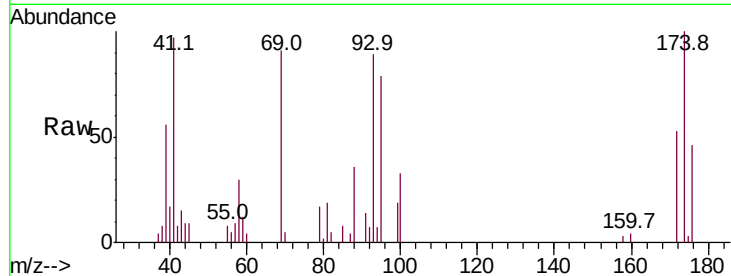
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	5675
Ion	Ratio	Lower	Upper
88	100		
43	29.5	23.4	35.0
58	74.1	58.5	87.7

Manual Integrations
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#46

Methyl methacrylate

Concen: 3.961 ug/l

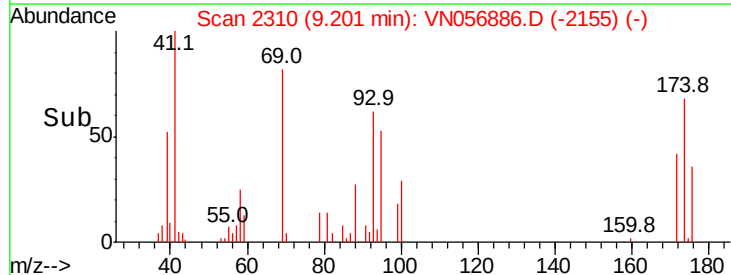
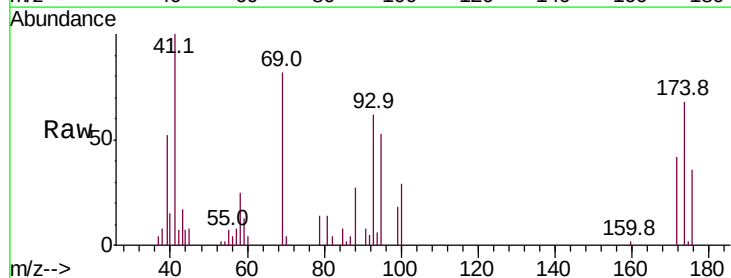
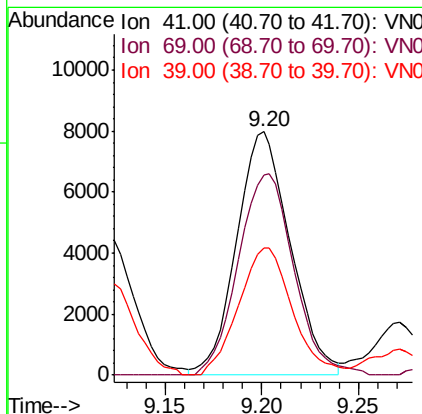
RT: 9.20 min Scan# 2310

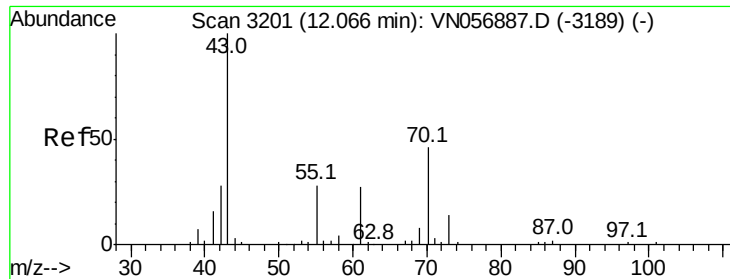
Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Tgt Ion:	41	Resp:	15426
Ion	Ratio	Lower	Upper
41	100		
69	84.2	44.0	132.0
39	53.5	25.8	77.4





#47

n-amvl Acetate

Concen: 3.034 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 19998

Ion Ratio Lower Upper

43 100

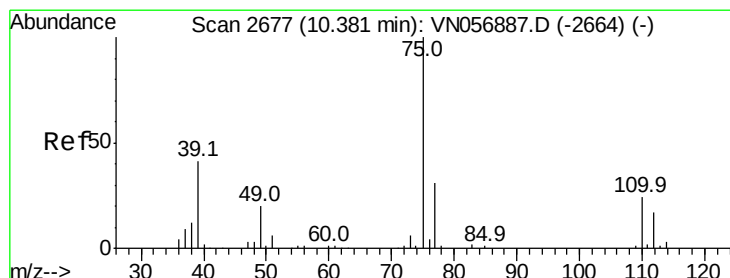
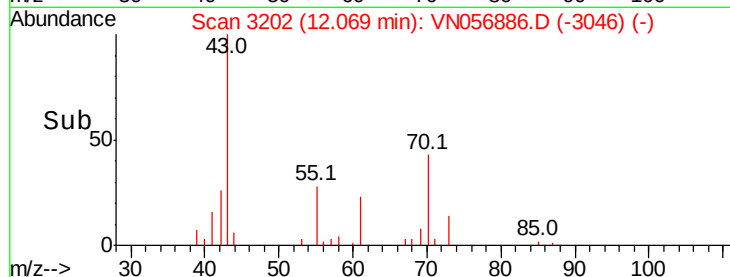
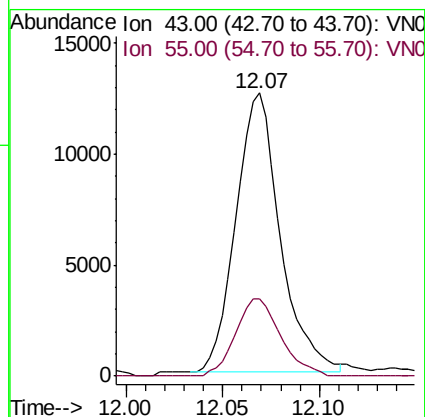
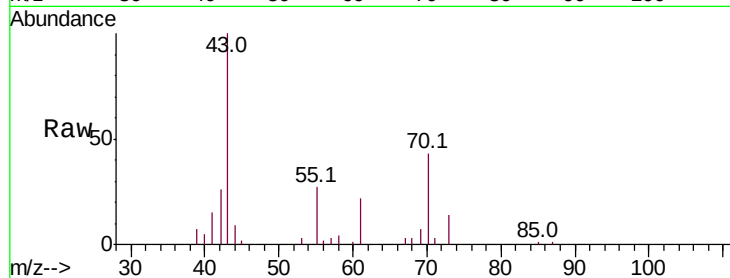
55 28.3 21.3 31.9

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 3.951 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056886.D

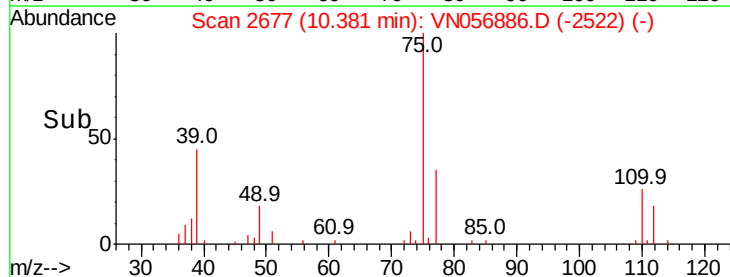
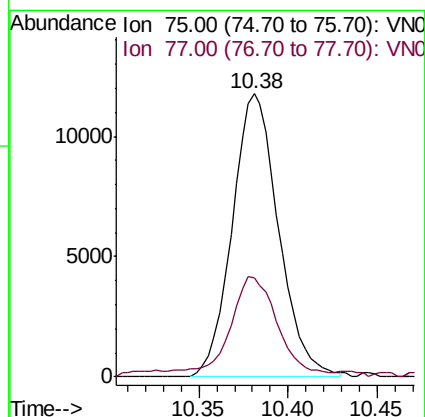
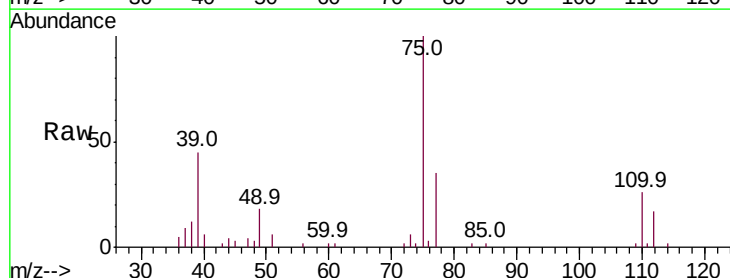
Acq: 23 Jul 2019 19:03

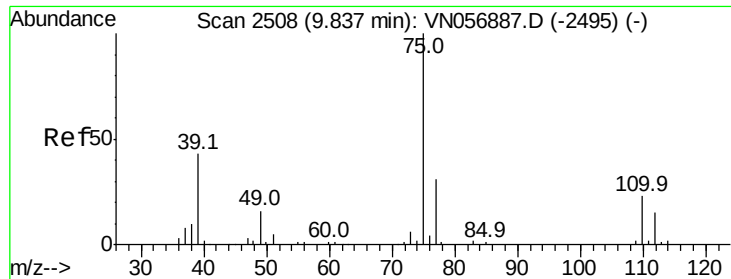
Tgt Ion: 75 Resp: 21294

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0





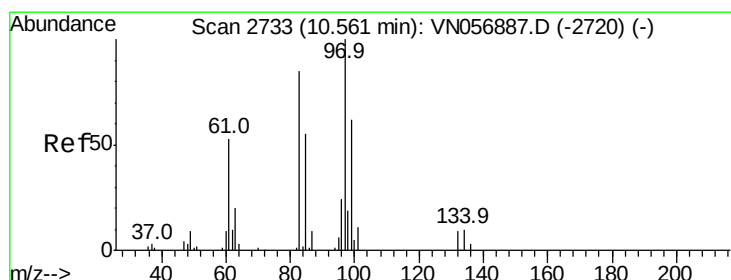
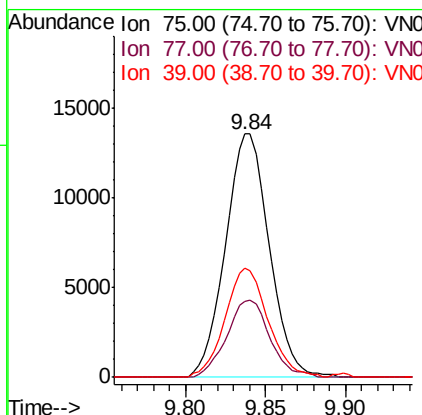
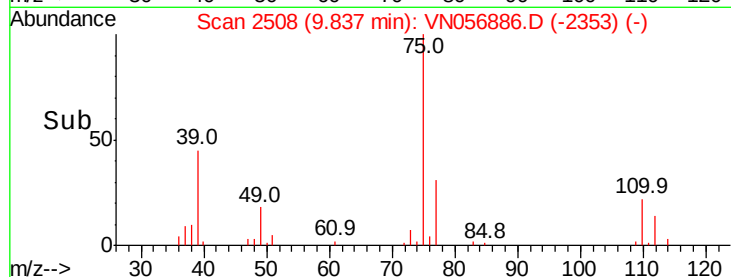
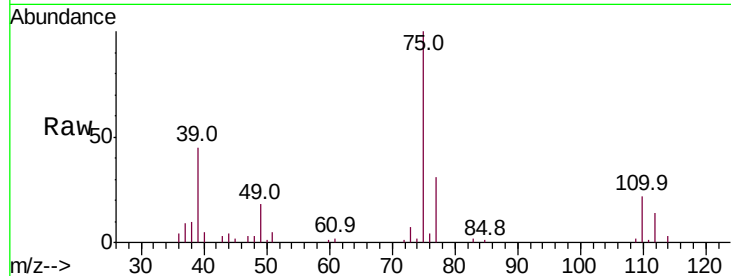
#49
 cis-1,3-Dichloropropene
 Concen: 4.144 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6
39	45.1	34.2	51.4

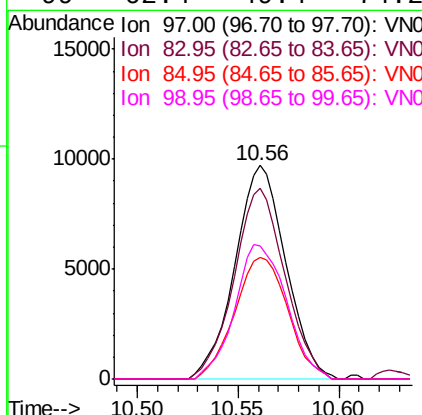
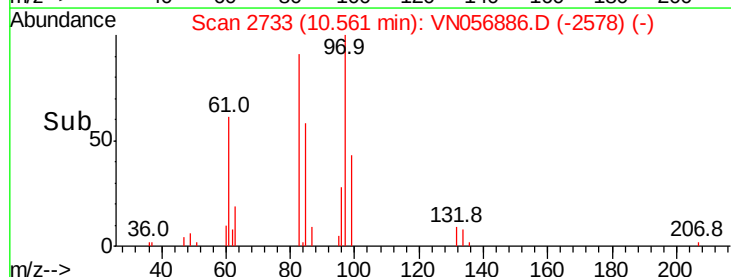
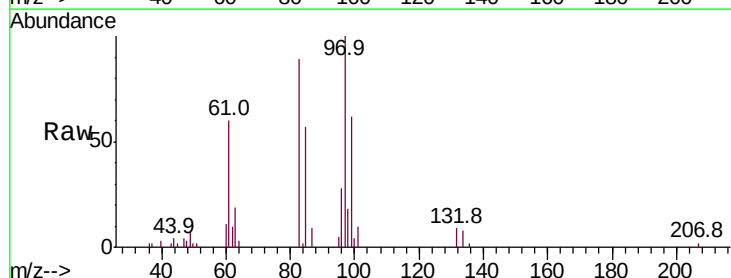
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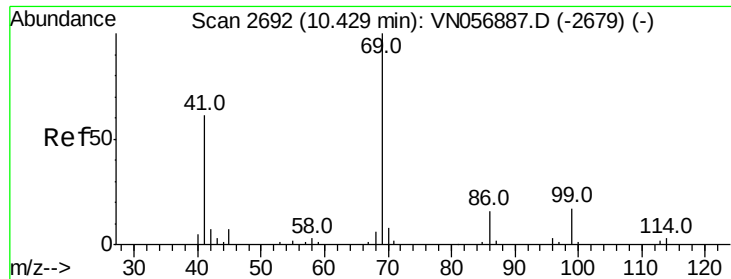
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 4.400 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.4	102.6
85	57.0	44.3	66.5
99	62.4	49.4	74.2





#51

Ethyl methacrylate

Concen: 3.723 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

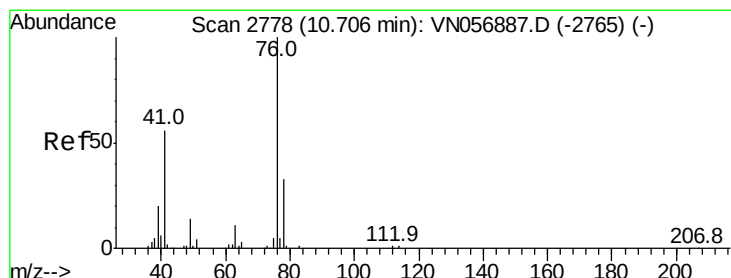
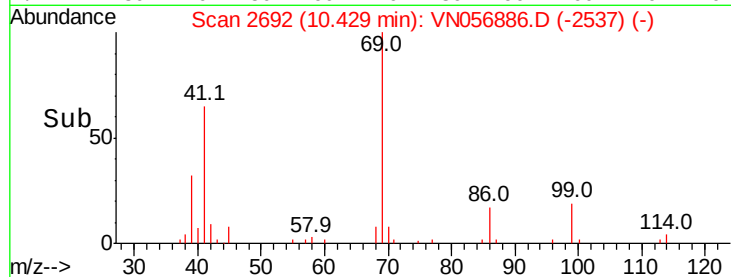
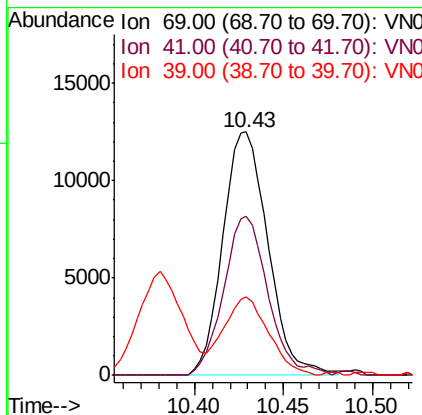
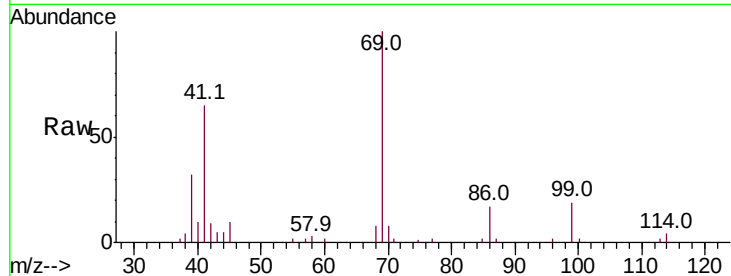
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	22008
Ion Ratio	Lower	Upper	
69	100		
41	65.5	30.4	91.3
39	30.8	14.2	42.6

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#52

1,3-Dichloropropane

Concen: 4.409 ug/l

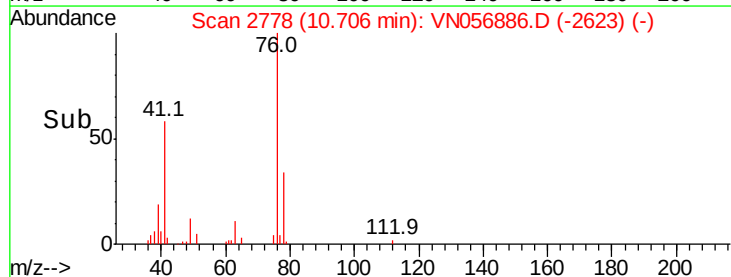
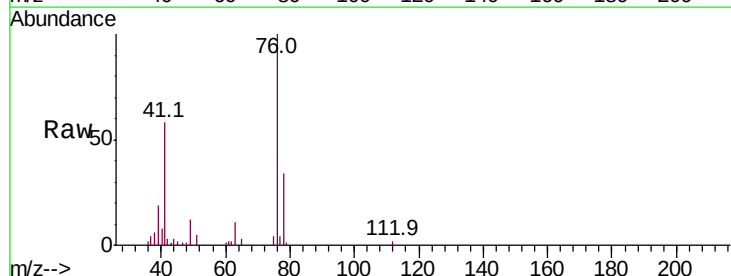
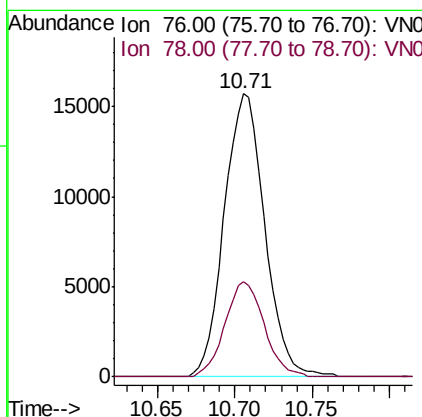
RT: 10.71 min Scan# 2778

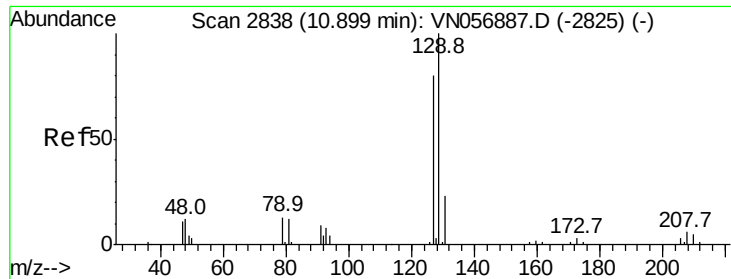
Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Tgt Ion:	76	Resp:	28552
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	64.2





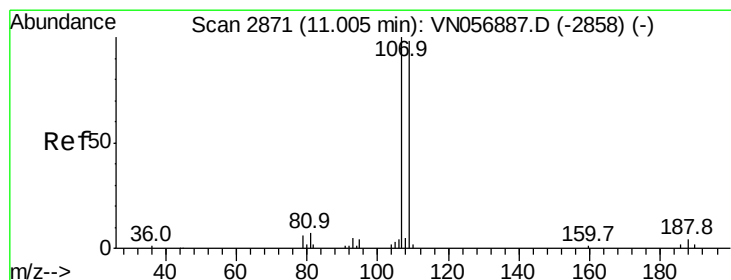
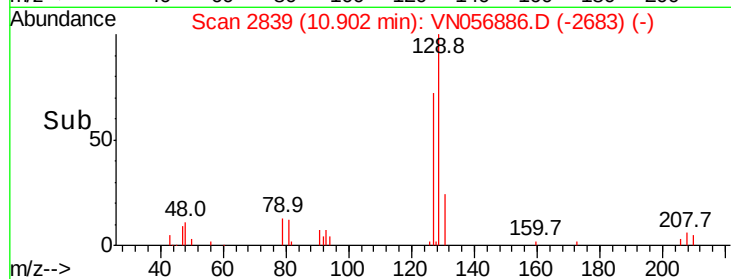
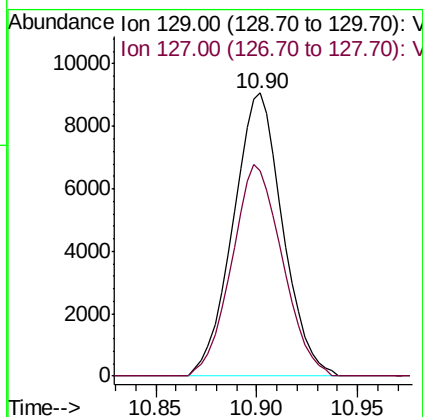
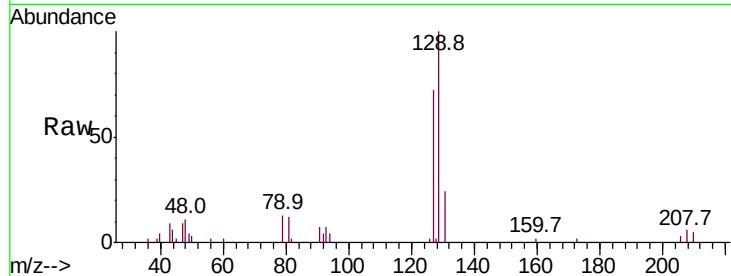
#53
Dibromochloromethane
Concen: 3.951 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:129 Resp: 15592
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.4

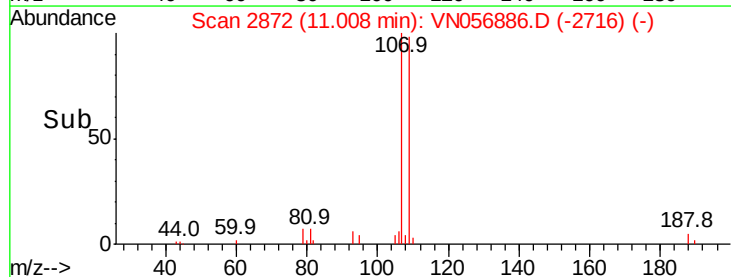
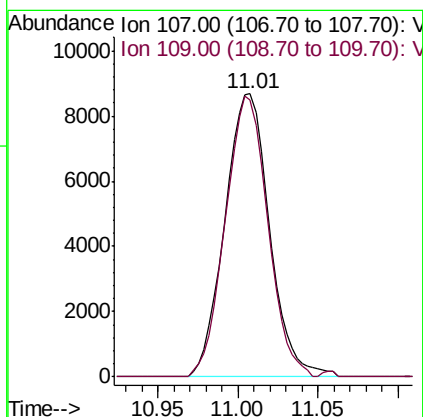
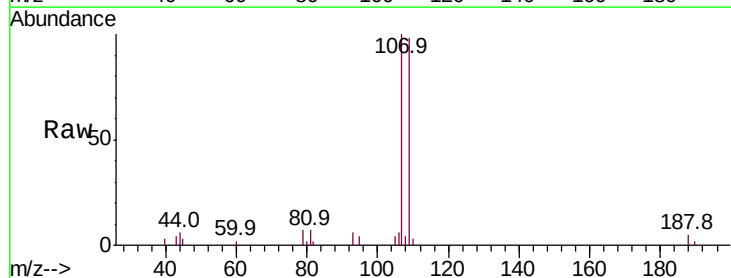
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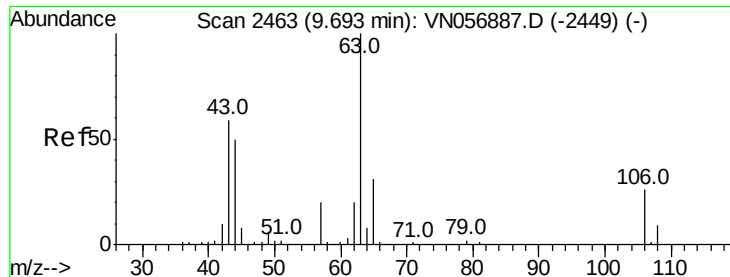
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#54
1,2-Dibromoethane
Concen: 4.121 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion:107 Resp: 16569
Ion Ratio Lower Upper
107 100
109 94.1 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 16.112 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 45318

Ion Ratio Lower Upper

63 100

65 31.7 25.1 37.7

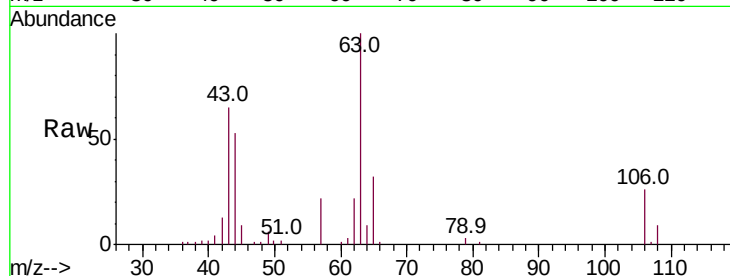
106 25.9 21.5 32.3

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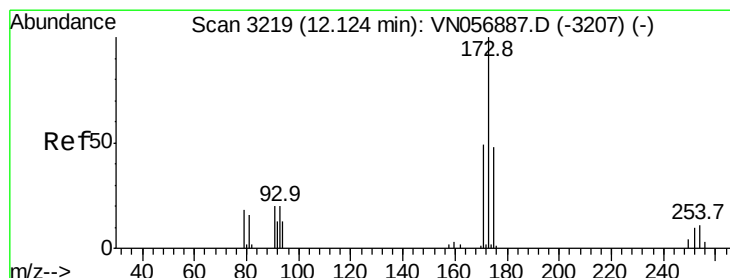
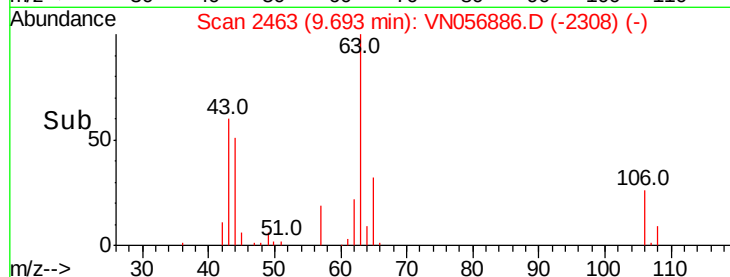
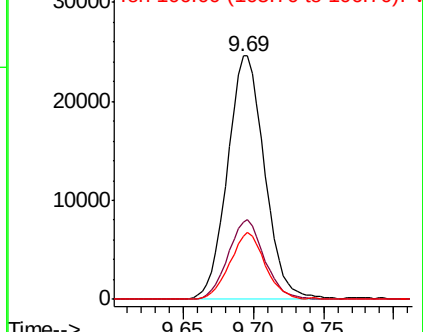
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Abundance Ion 63.00 (62.70 to 63.70): VN056886.D (-2308) (-)

Ion 65.00 (64.70 to 65.70): VN056886.D (-2308) (-)

Ion 106.00 (105.70 to 106.70): VN056886.D (-2308) (-)



#56

Bromoform

Concen: 3.421 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

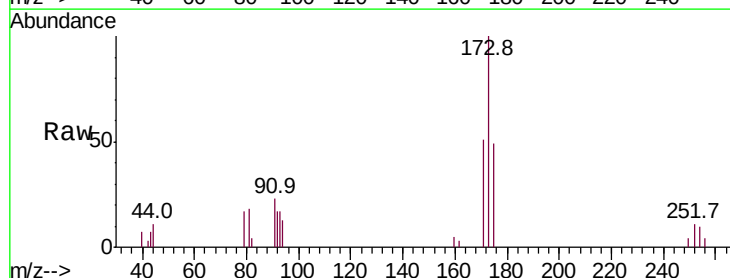
Tgt Ion: 173 Resp: 9889

Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

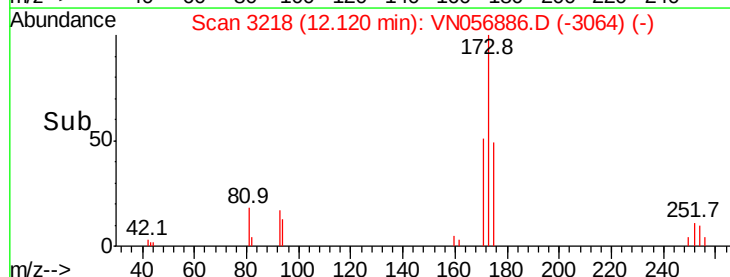
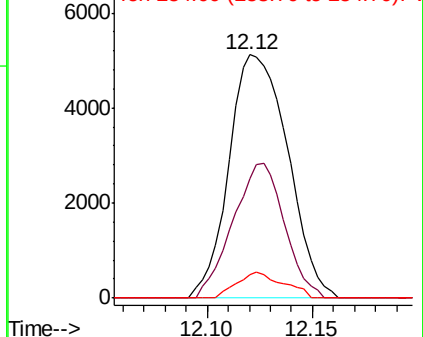
254 8.5 8.1 12.1

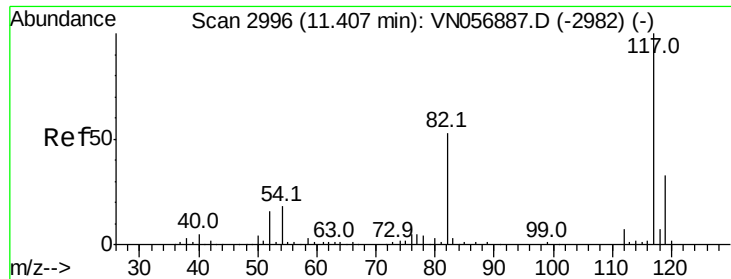


Abundance Ion 173.00 (172.70 to 173.70): VN056886.D (-3064) (-)

Ion 175.00 (174.70 to 175.70): VN056886.D (-3064) (-)

Ion 254.00 (253.70 to 254.70): VN056886.D (-3064) (-)





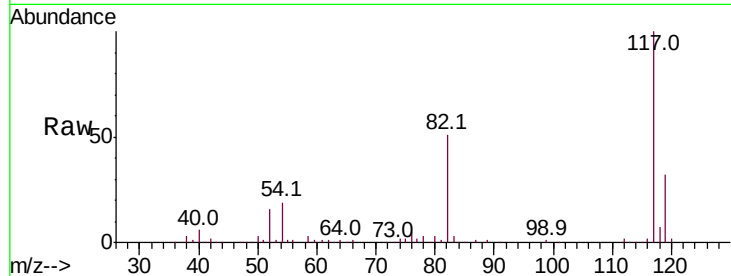
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

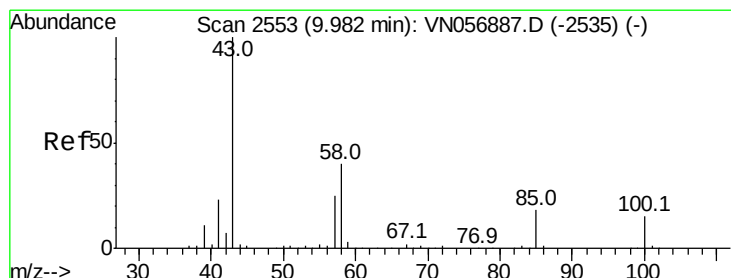
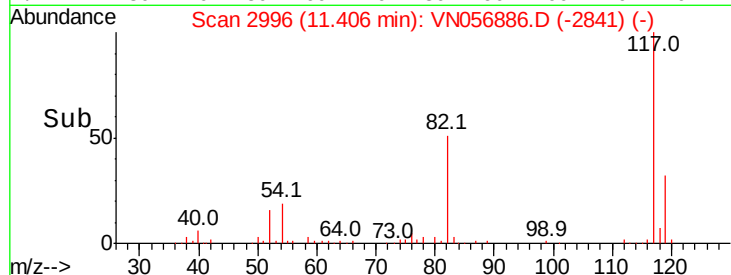
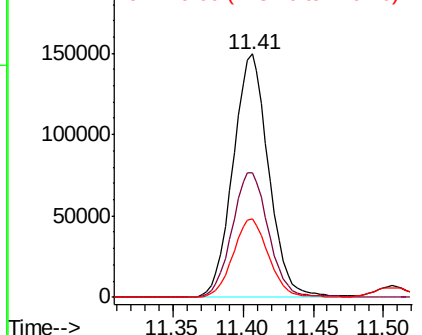
Tot Ion	Ratio	Resp	Lower	Upper
117	100	264470		
82	52.9		43.0	64.4
119	32.2		26.2	39.2

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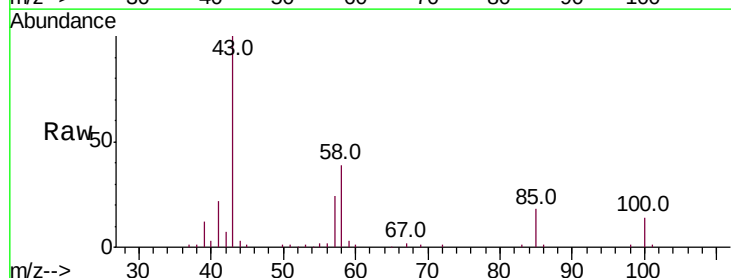


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

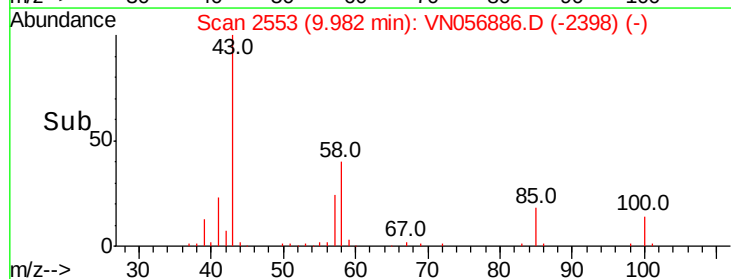
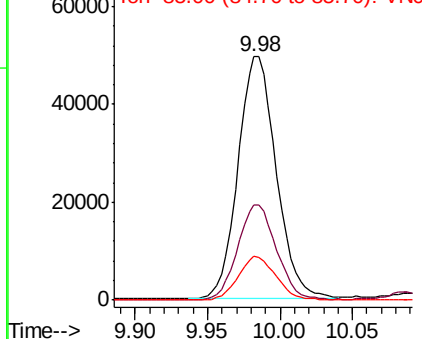


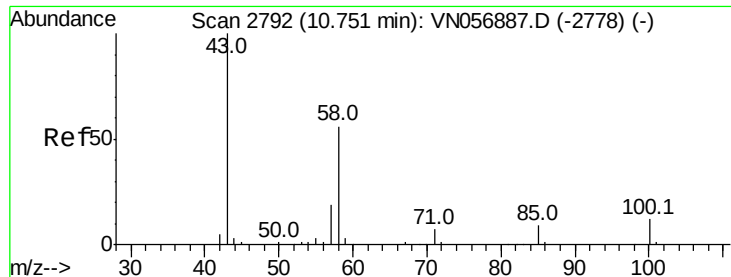
#58
4-Methyl-2-Pentanone
Concen: 19.250 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	90460		
58	40.0		31.7	47.5
85	17.8		14.5	21.7



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





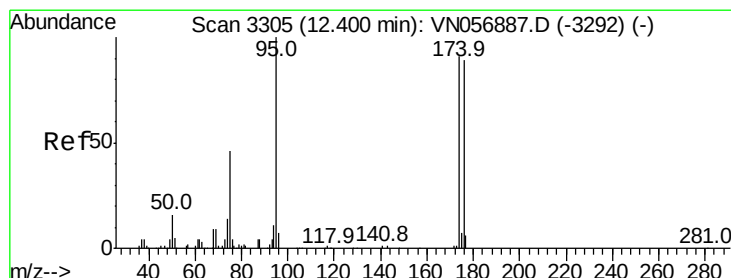
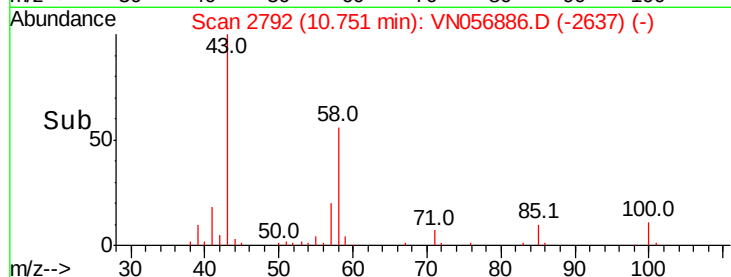
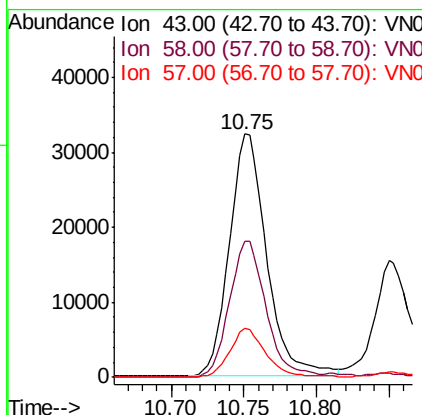
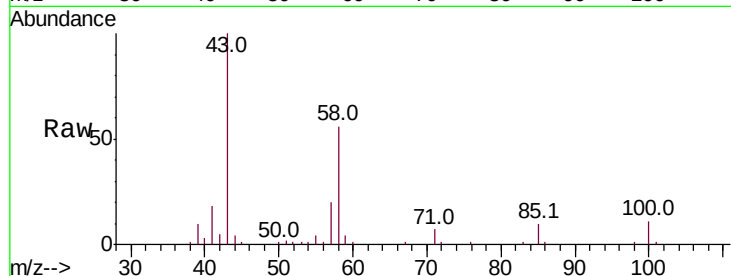
#59
2-Hexanone
Concen: 16.613 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.0	67.4
57	19.2	15.4	23.0

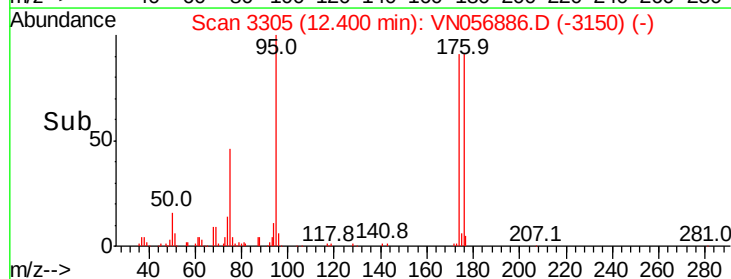
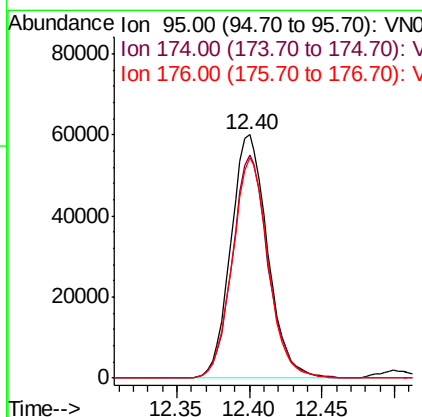
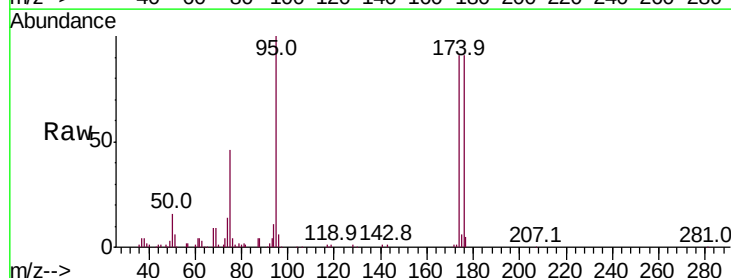
Manual Integrations
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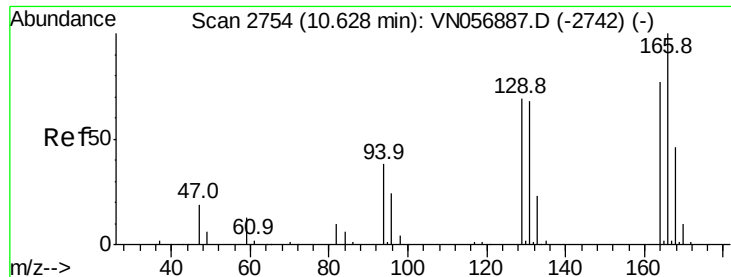
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 26.309 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	71.9	107.9
176	88.0	69.8	104.8





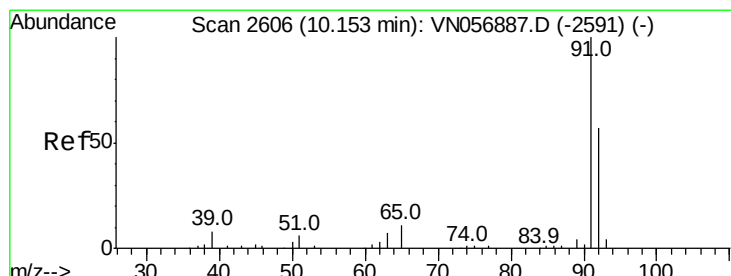
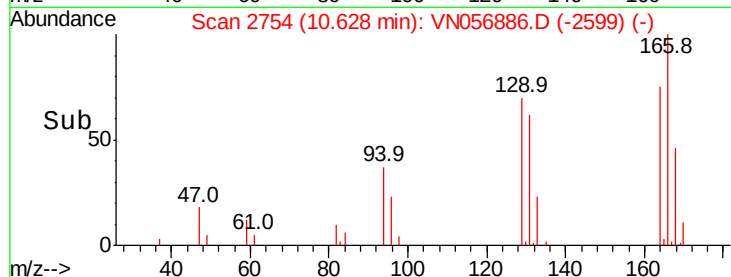
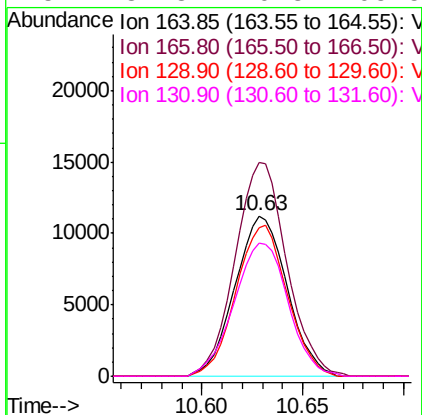
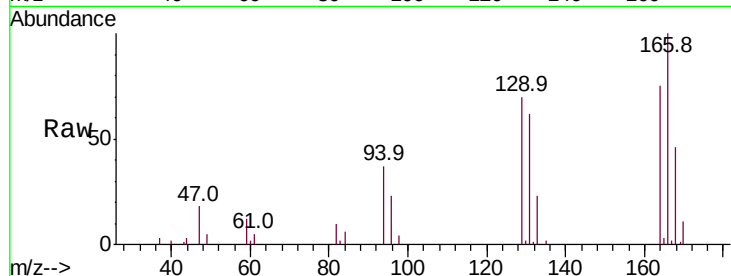
#61
Tetrachloroethene
Concen: 5.384 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
164	100		
166	133.4	103.9	155.9
129	93.1	72.4	108.6
131	82.8	70.3	105.5

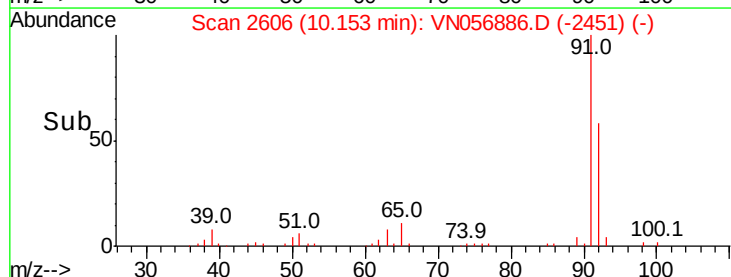
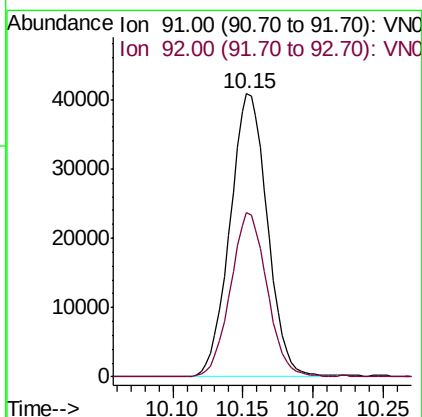
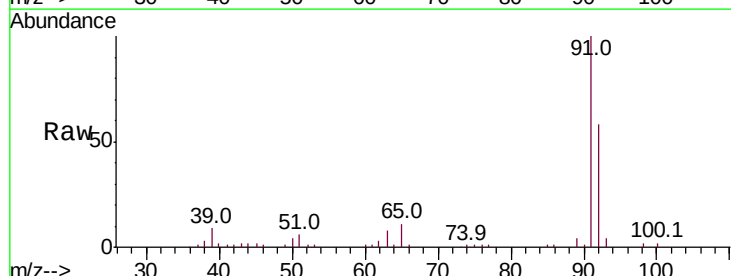
Manual Integrations
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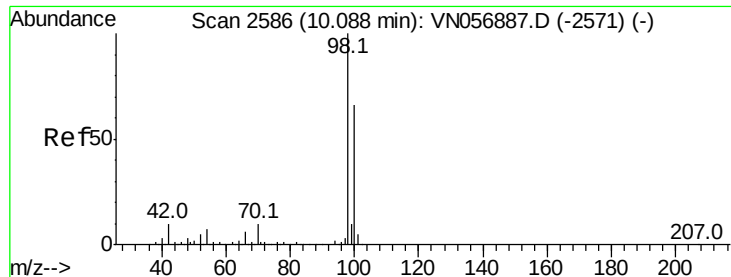
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#62
Toluene
Concen: 4.987 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	46.1	69.1





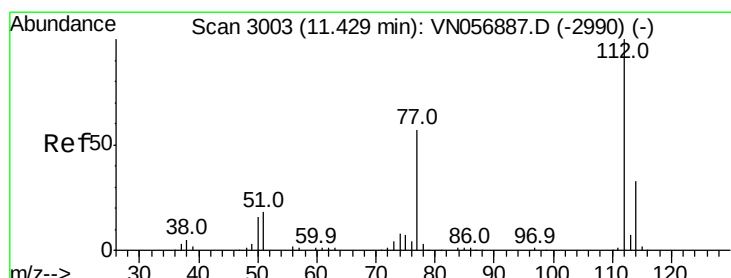
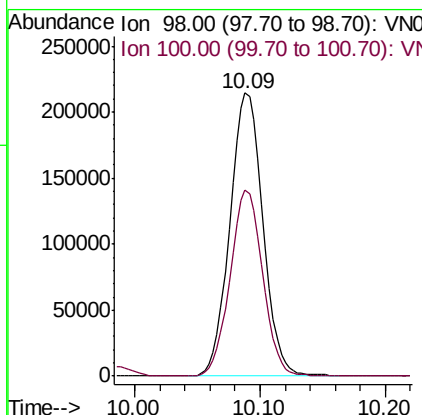
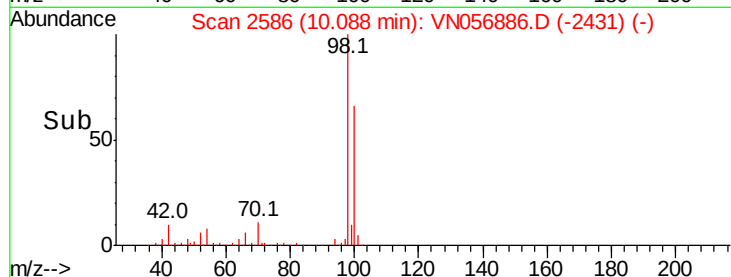
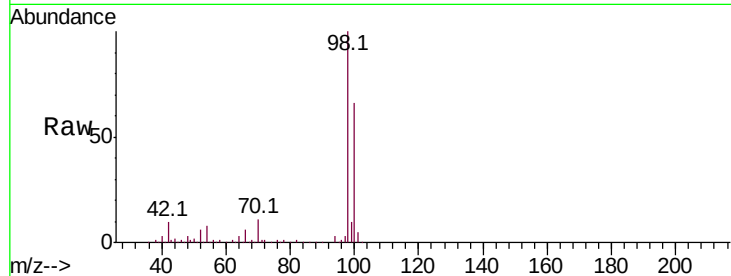
#63
Toluene-d8
Concen: 32.240 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.2

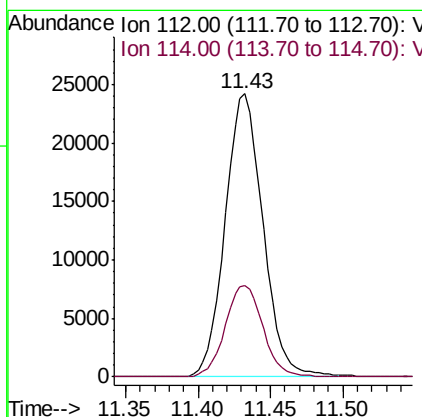
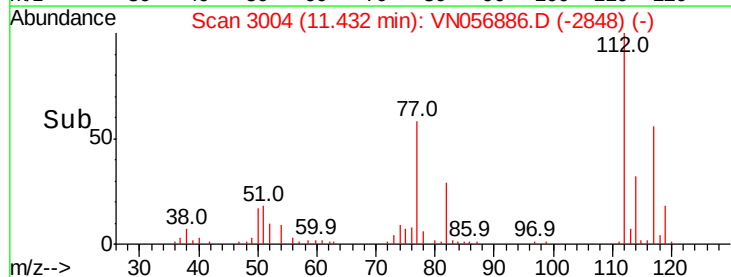
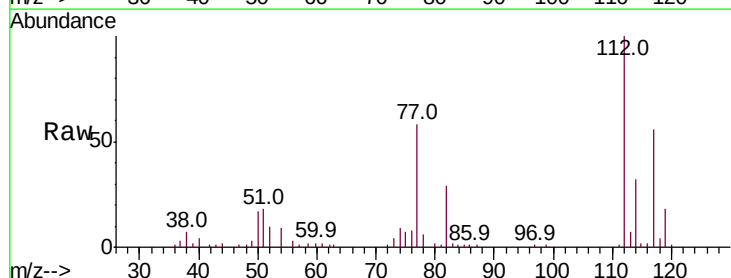
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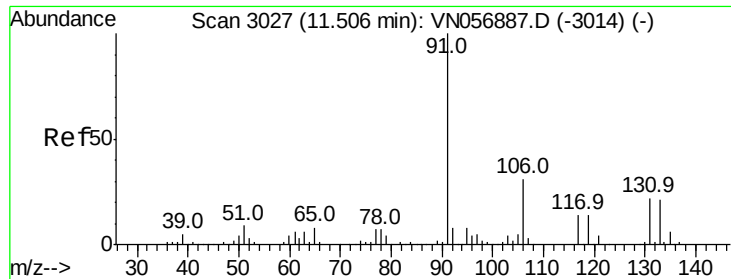
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#64
Chlorobenzene
Concen: 4.727 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.7	40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 4.895 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

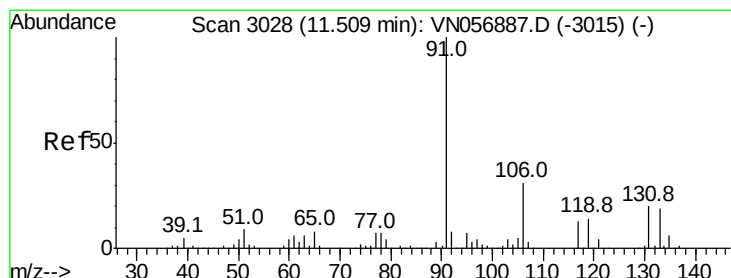
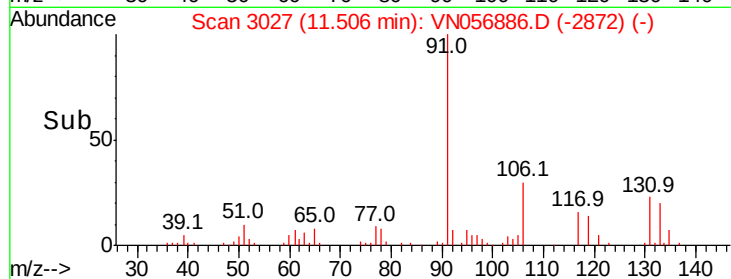
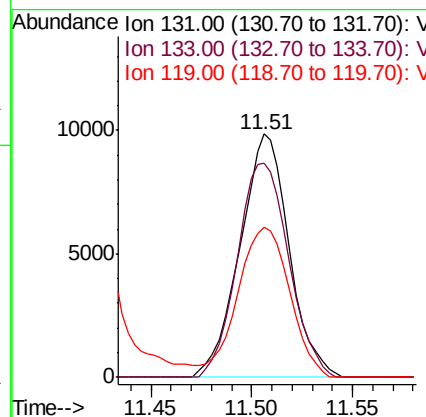
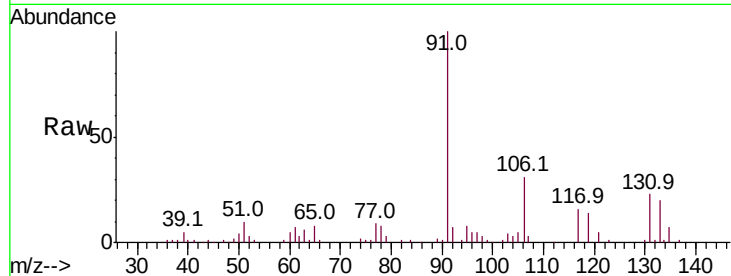
ClientSampleId :

VSTDIC005

Tot Ion:	131	Resp:	16781
Ion Ratio	Lower	Upper	
131	100		
133	92.5	0.0	189.6
119	65.4	0.0	133.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 4.437 ug/l

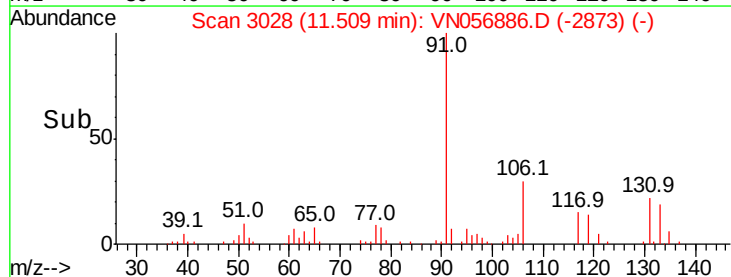
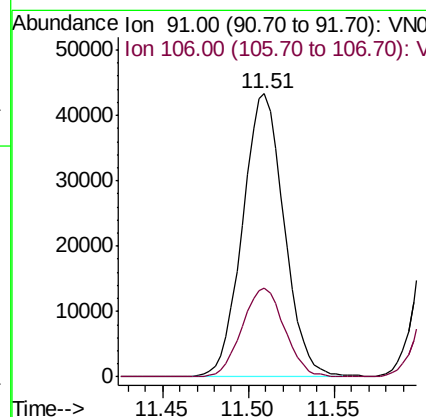
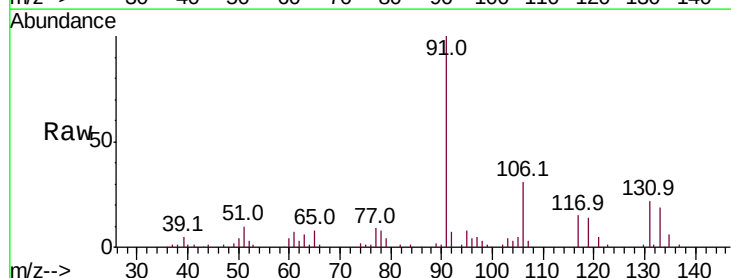
RT: 11.51 min Scan# 3028

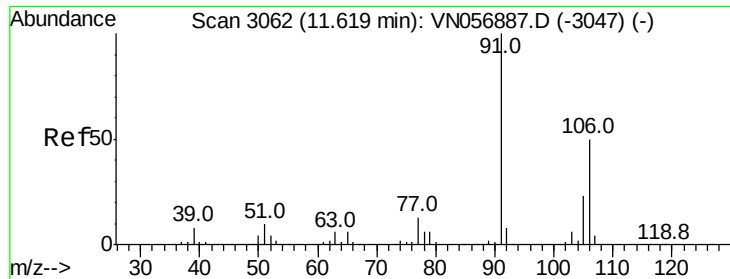
Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Tgt Ion:	91	Resp:	72530
Ion Ratio	Lower	Upper	
91	100		
106	31.4	24.9	37.3





#67

m/p-Xylenes

Concen: 8.690 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 53458

Ion Ratio Lower Upper

106 100

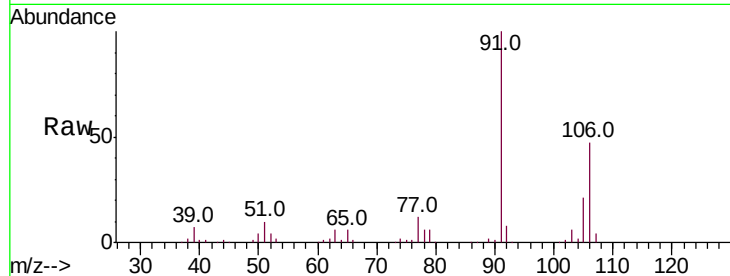
91 206.0 160.6 240.8

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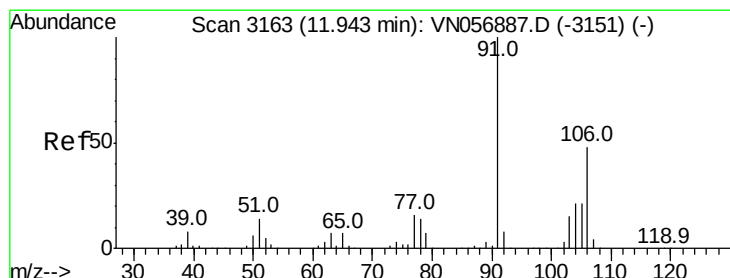
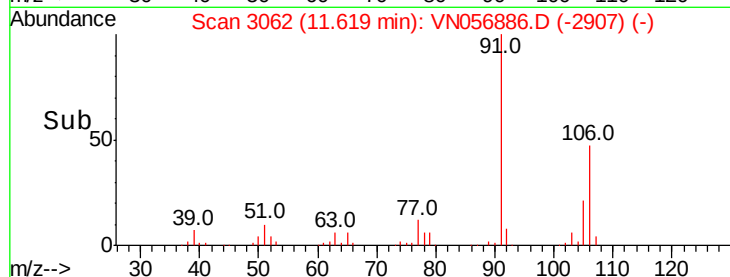
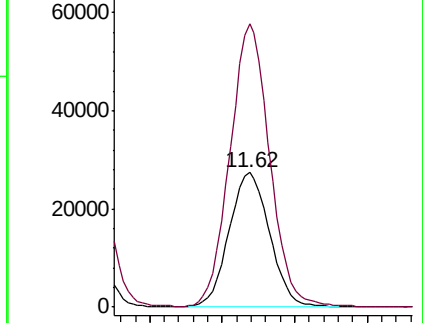
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 4.535 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056886.D

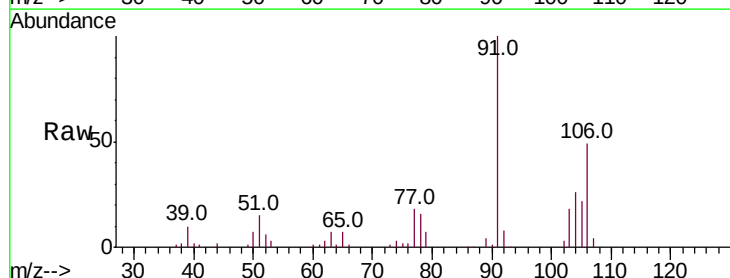
Acq: 23 Jul 2019 19:03

Tgt Ion:106 Resp: 27379

Ion Ratio Lower Upper

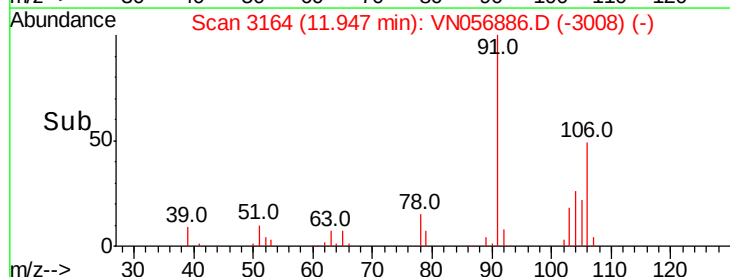
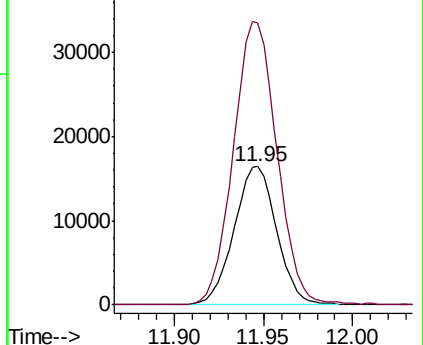
106 100

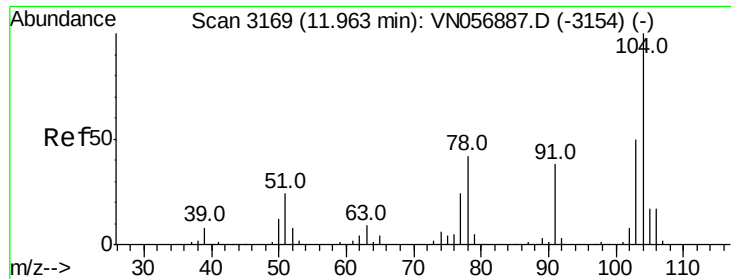
91 209.7 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





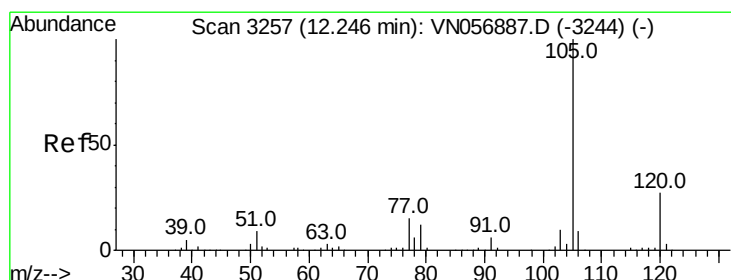
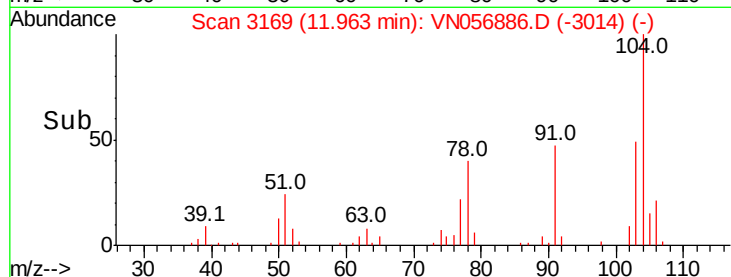
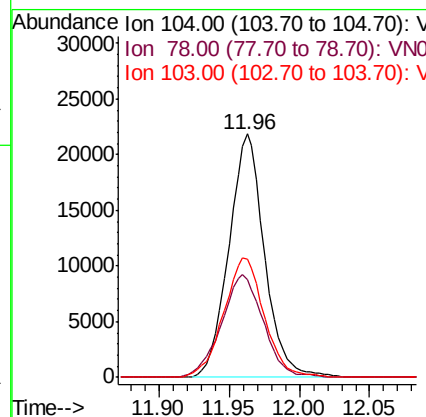
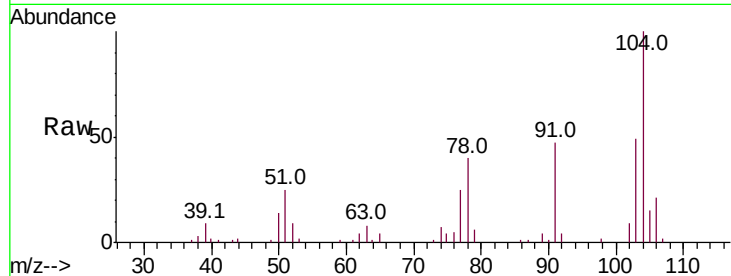
#69
Stvrene
Concen: 3.877 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	38.5	57.7
103	55.8	44.7	67.1

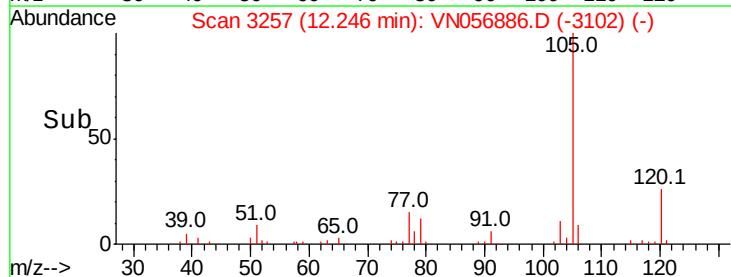
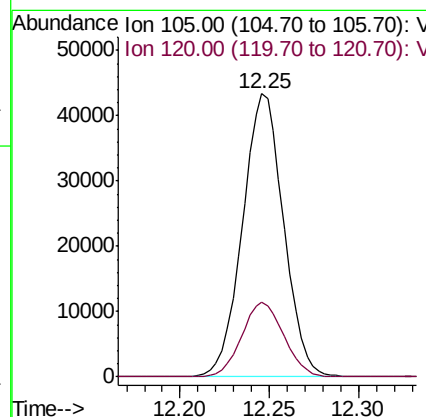
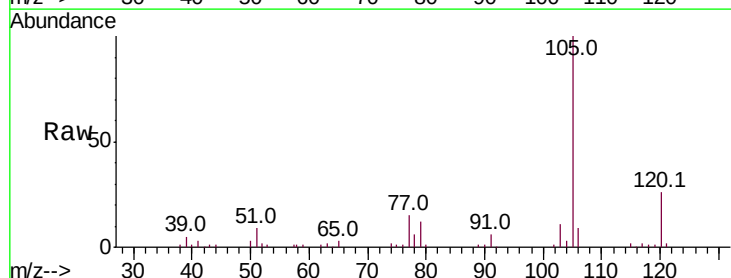
Manual Integrations
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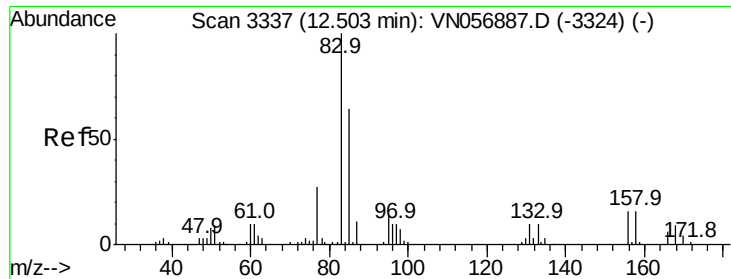
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#70
Isopropylbenzene
Concen: 4.416 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.7	34.7





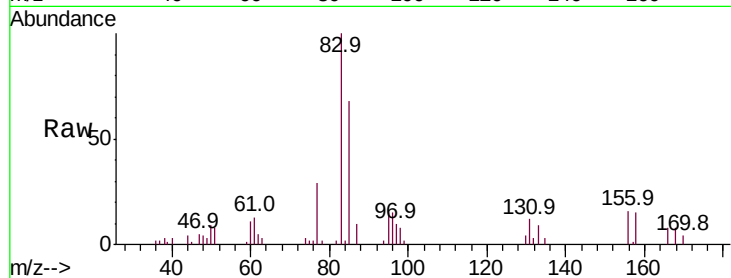
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.074 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

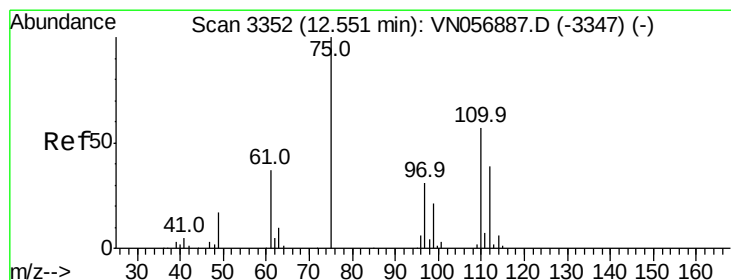
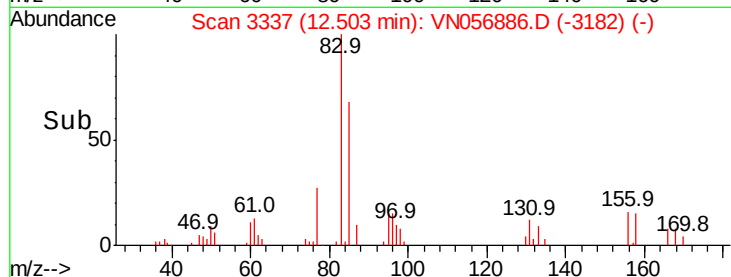
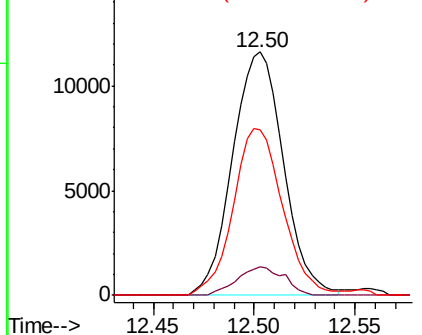
Tot Ion	Ratio	Lower	Upper
83	100		
131	9.0	5.1	15.2
85	66.8	31.8	95.4

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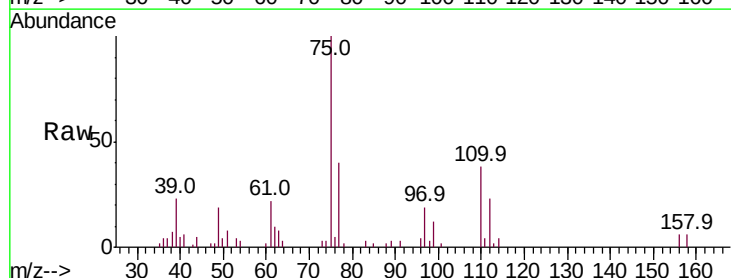


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

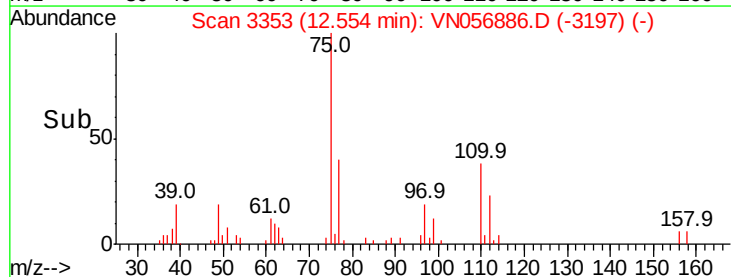
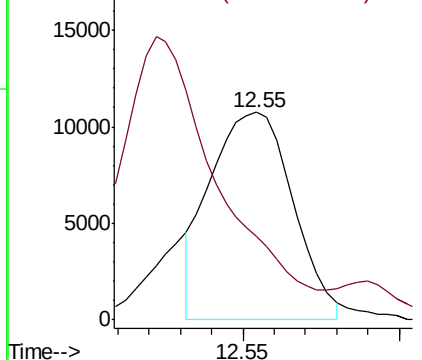


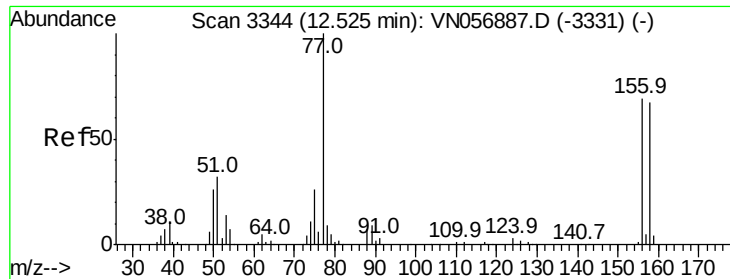
#72
 1,2,3-Trichloropropane
 Concen: 4.597 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	166.1	0.0	378.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 4.314 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

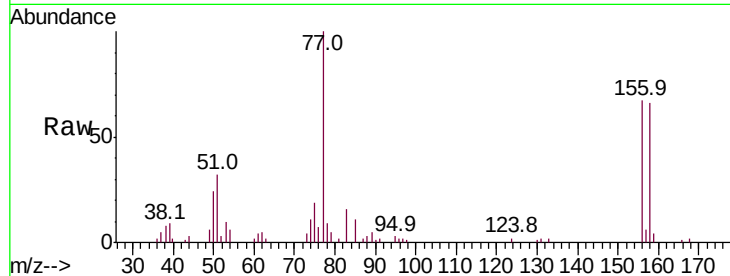
ClientSampleId :

VSTDIC005

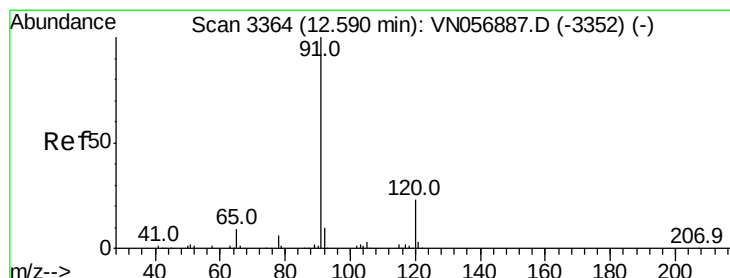
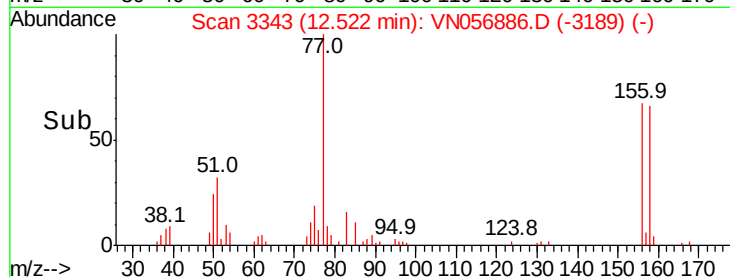
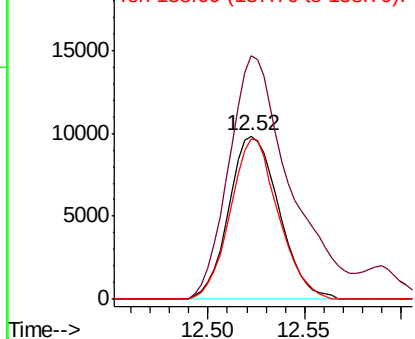
Tot Ion:	156	Resp:	17751
Ion	Ratio	Lower	Upper
156	100		
77	184.2	0.0	364.6
158	93.8	0.0	196.2

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 3.992 ug/l

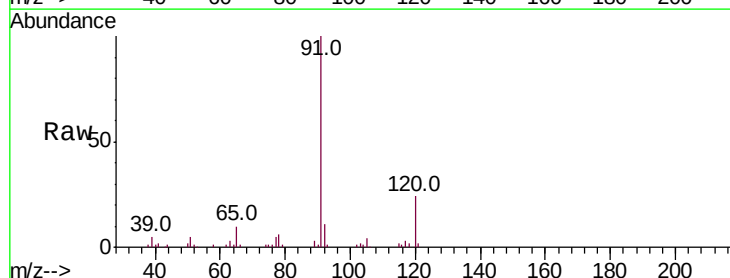
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

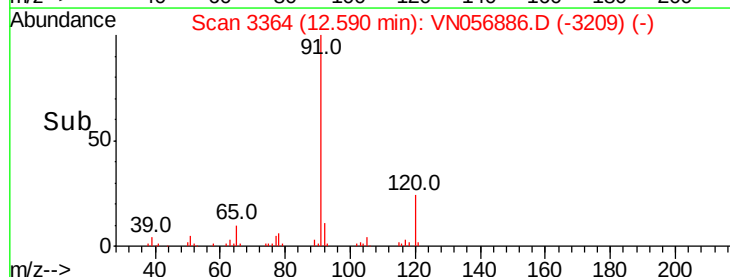
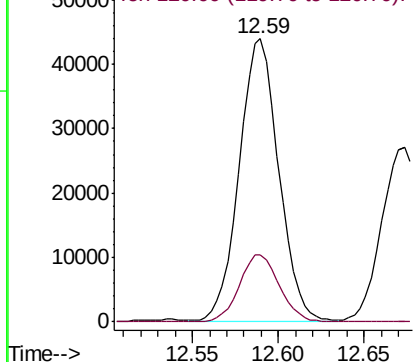
Lab File: VN056886.D

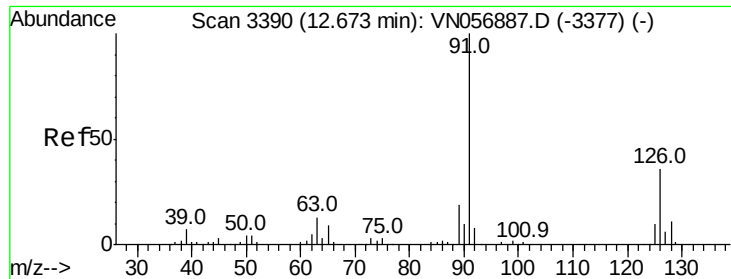
Acq: 23 Jul 2019 19:03

Tgt Ion:	91	Resp:	70204
Ion	Ratio	Lower	Upper
91	100		
120	23.9	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.249 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 45329

Ion Ratio Lower Upper

91 100

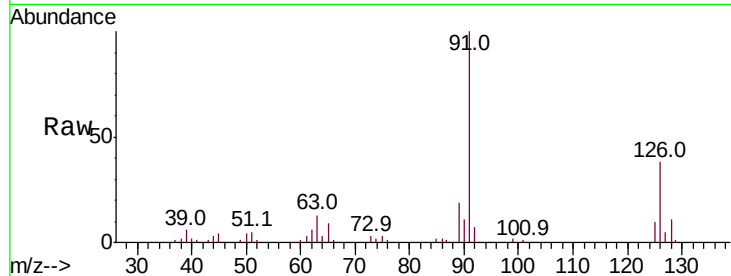
126 36.5 0.0 70.8

Manual Integrations

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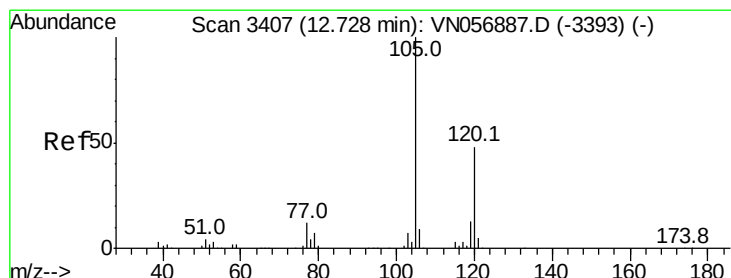
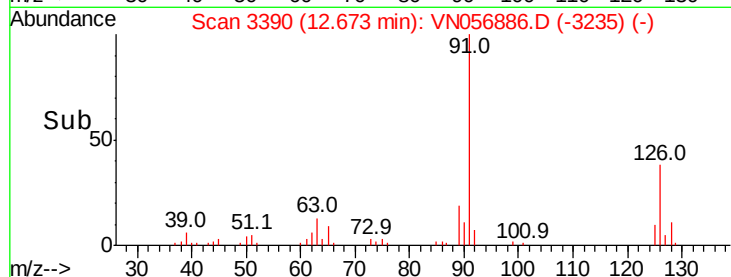


Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)

12.67

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.394 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056886.D

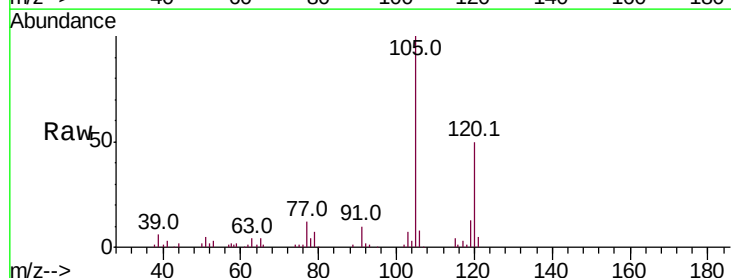
Acq: 23 Jul 2019 19:03

Tgt Ion: 105 Resp: 58790

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.2

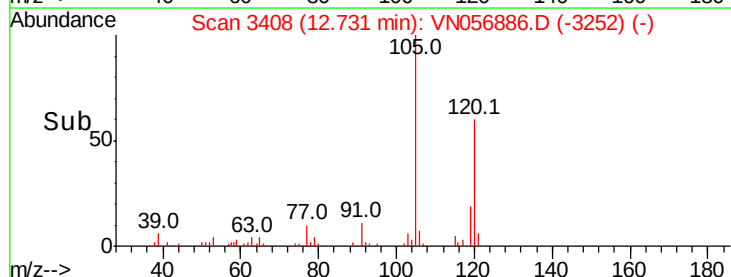


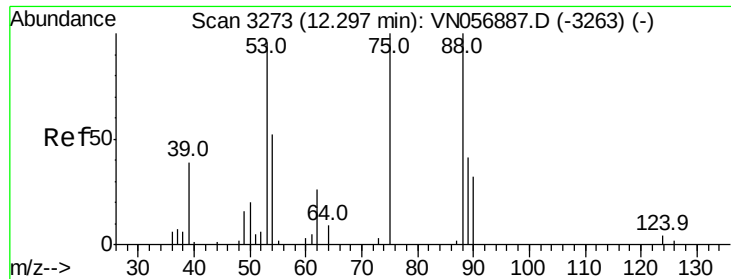
Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)

12.73

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 3.163 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

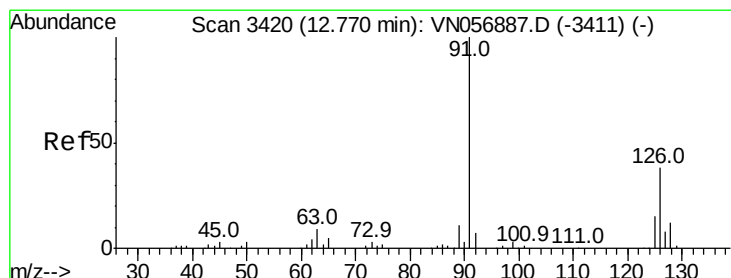
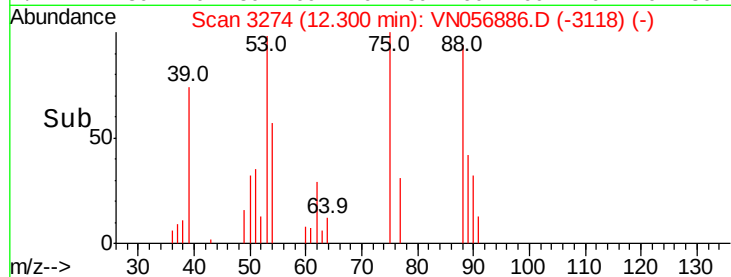
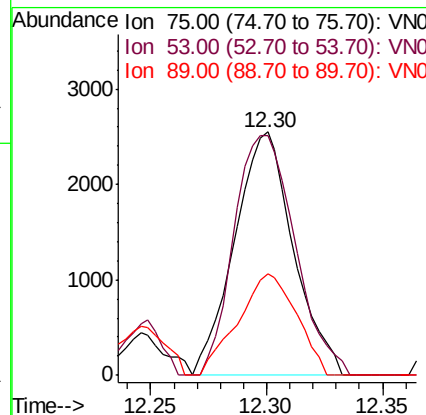
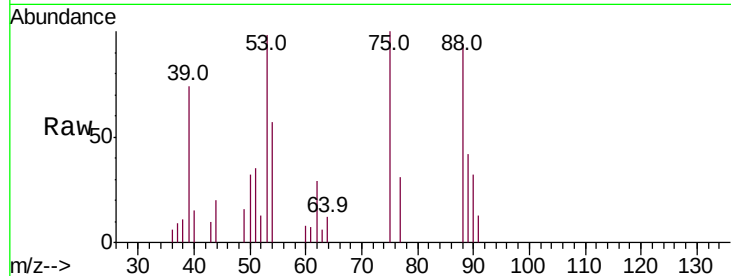
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4503
Ion	Ratio	Lower	Upper
75	100		
53	98.4	48.0	144.0
89	41.6	21.4	64.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 3.631 ug/l

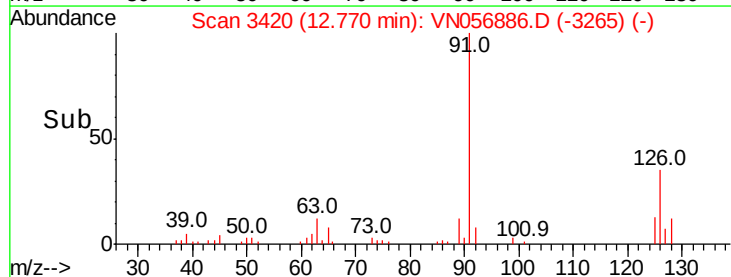
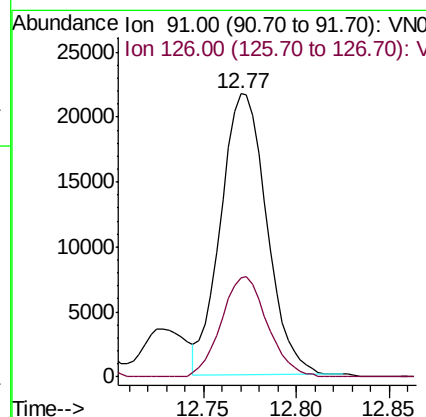
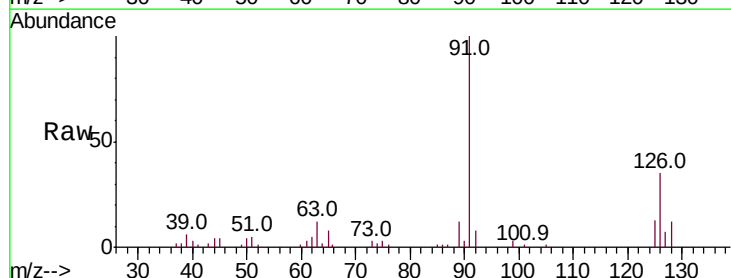
RT: 12.77 min Scan# 3420

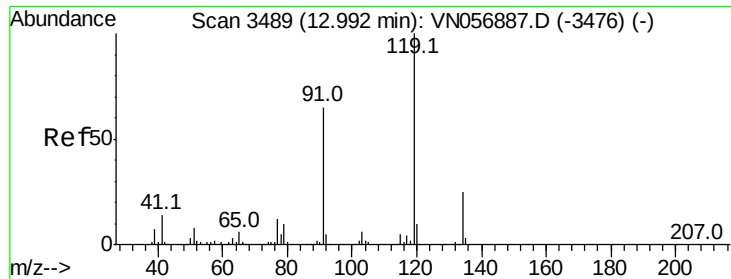
Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Tgt Ion:	91	Resp:	37355
Ion	Ratio	Lower	Upper
91	100		
126	35.5	0.0	69.6





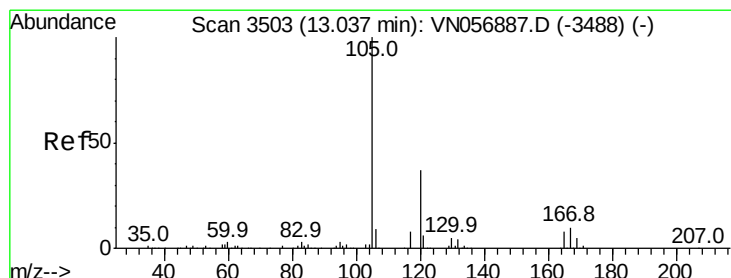
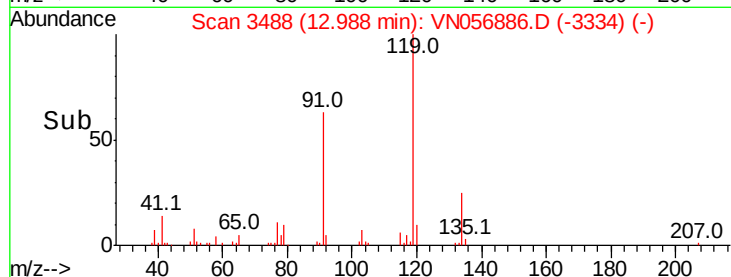
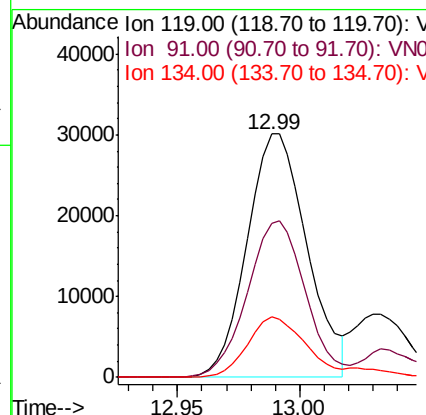
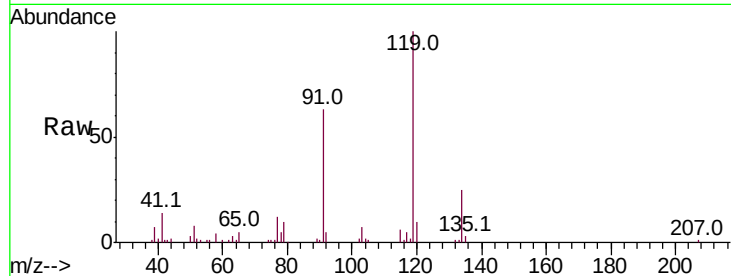
#79
tert-butylbenzene
Concen: 4.494 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	51382		
91	62.3		0.0	126.8
134	23.8		0.0	48.8

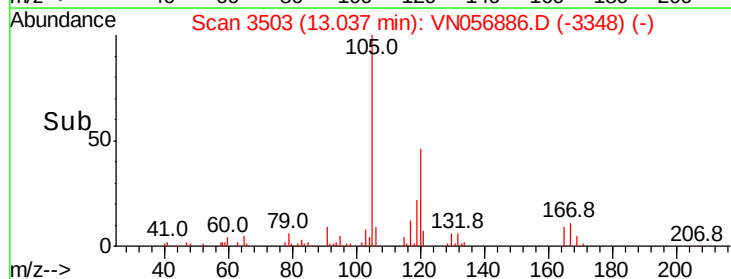
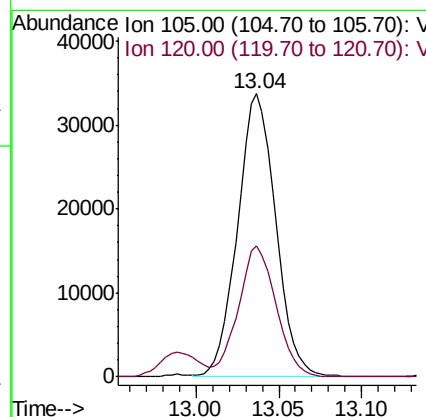
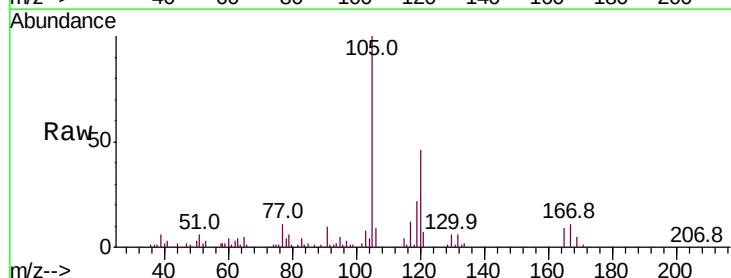
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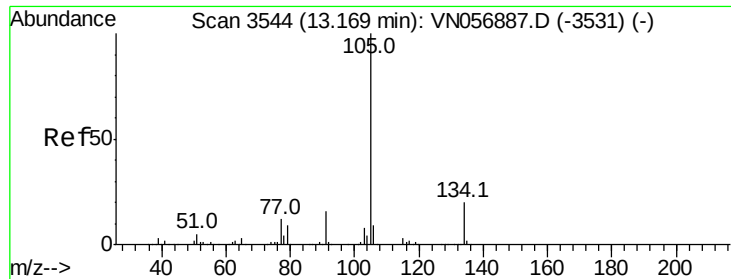
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#80
1,2,4-Trimethylbenzene
Concen: 4.073 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	54125		
120	45.6		0.0	90.6





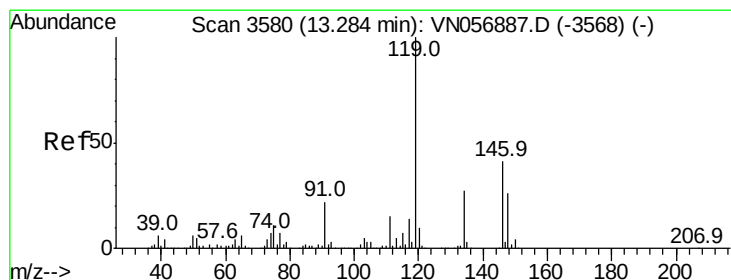
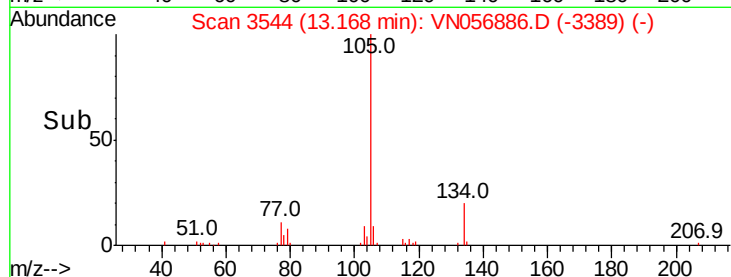
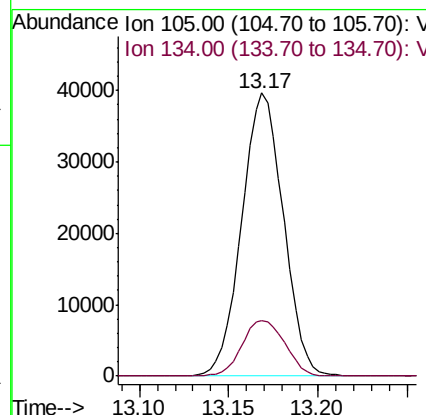
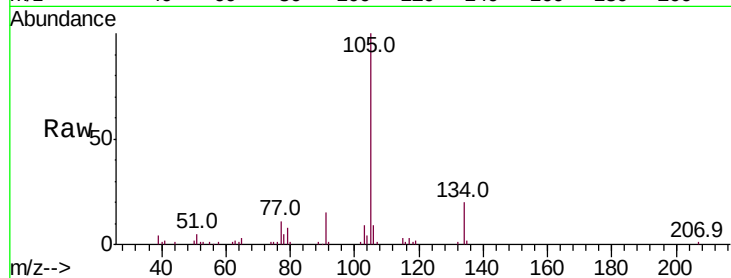
#81
 sec-Butylbenzene
 Concen: 4.299 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	41.2

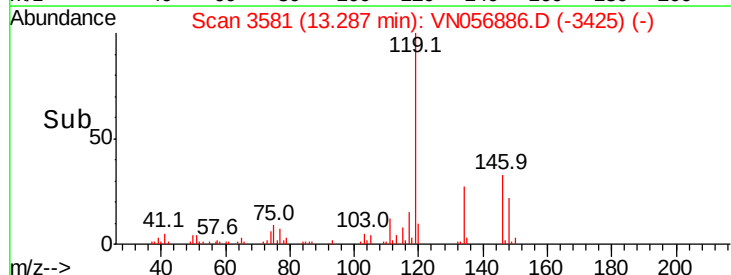
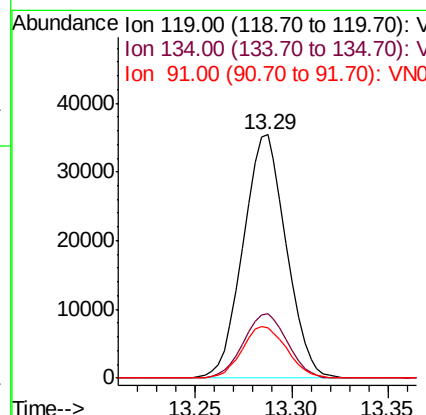
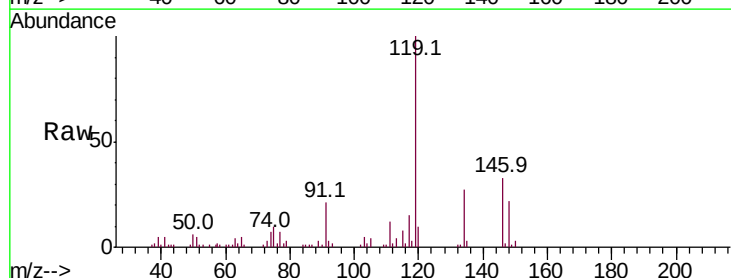
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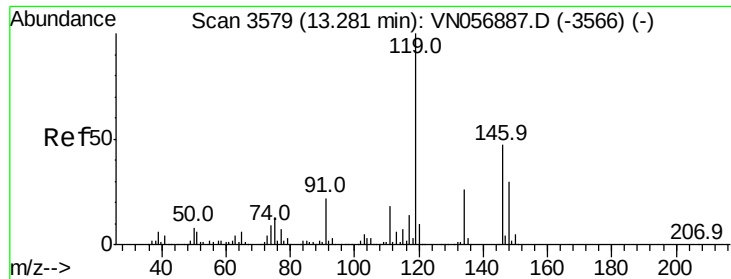
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#82
 p-Isopropyltoluene
 Concen: 4.026 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	53.2
91	21.8	0.0	44.0





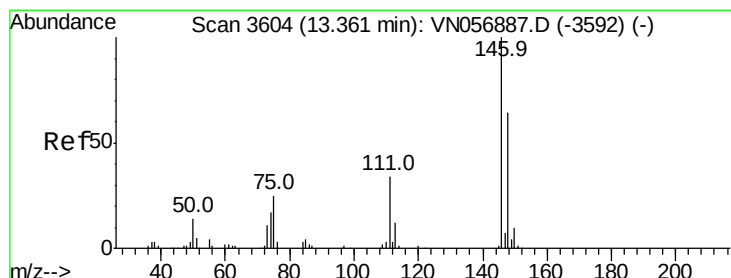
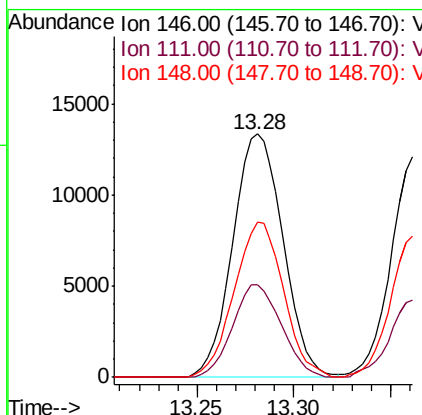
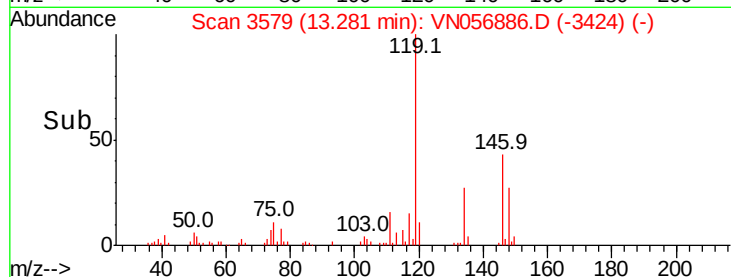
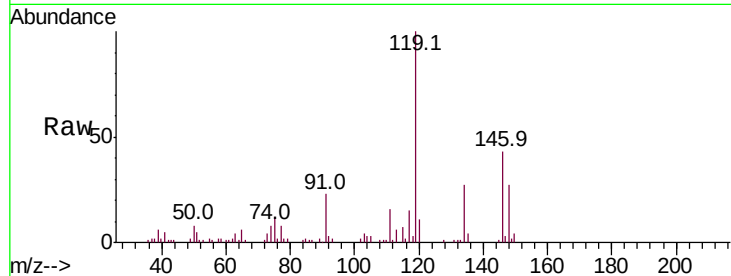
#83
 1,3-Dichlorobenzene
 Concen: 3.561 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	62.5	31.7	95.1

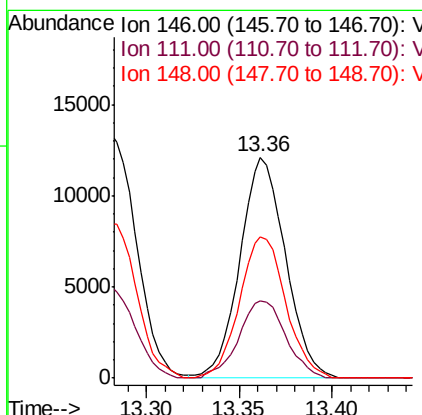
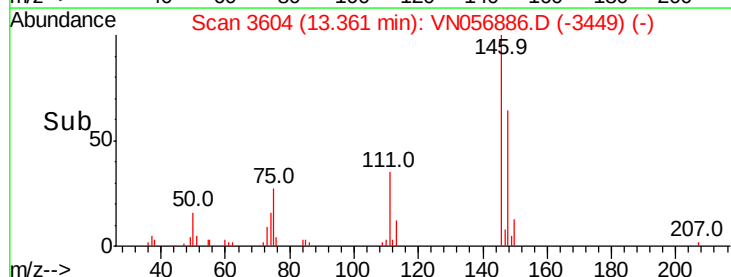
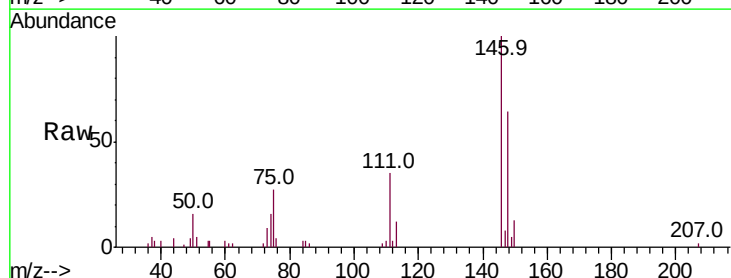
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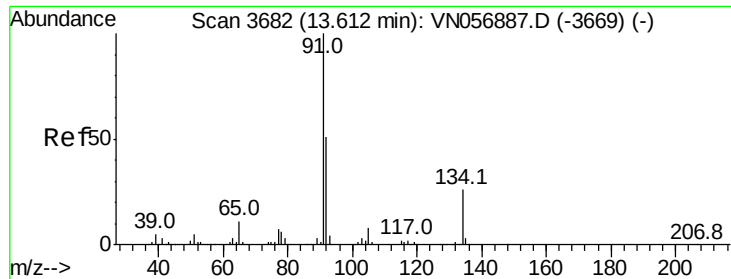
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#84
 1,4-Dichlorobenzene
 Concen: 3.206 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.8	53.5
148	64.9	32.6	97.7





#85

n-Butylbenzene

Concen: 3.267 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

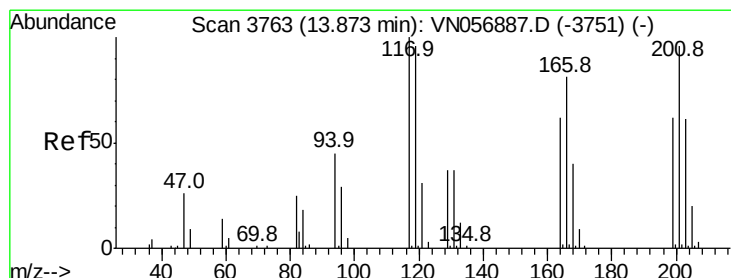
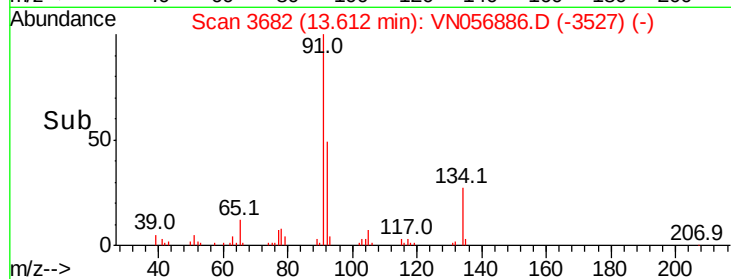
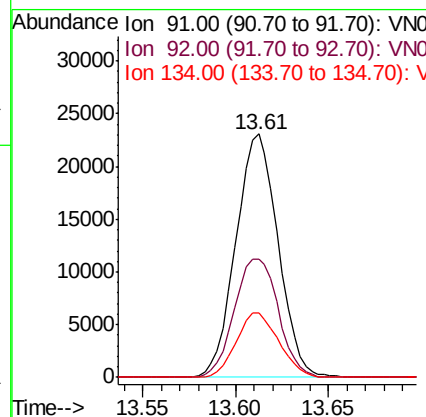
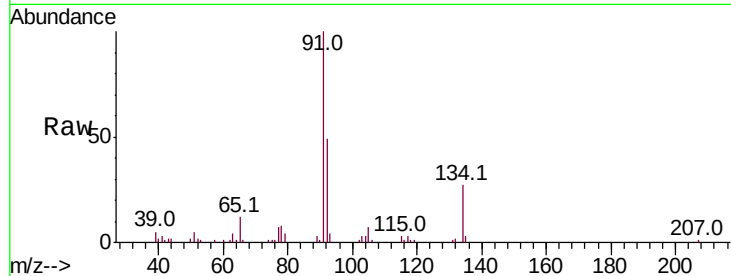
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	36448
Ion	Ratio	Lower	Upper
91	100		
92	50.7	0.0	101.8
134	26.7	0.0	52.4

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#86

Hexachloroethane

Concen: 4.087 ug/l

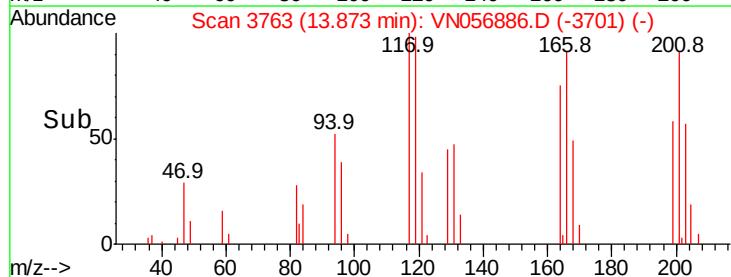
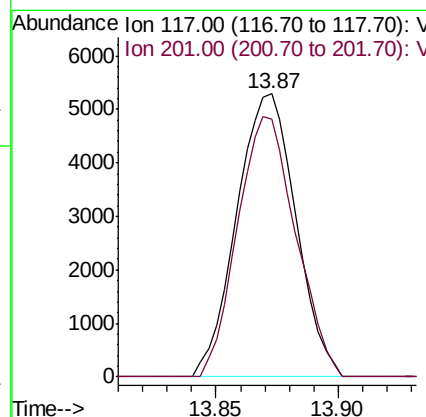
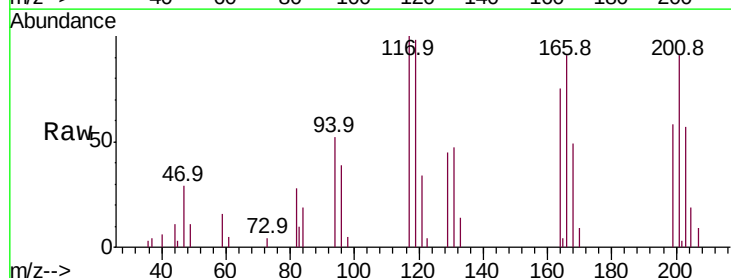
RT: 13.87 min Scan# 3763

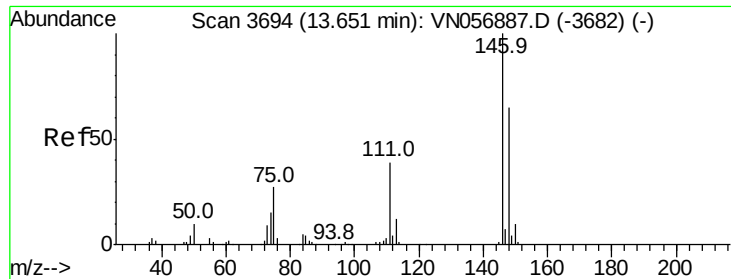
Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Tgt Ion:	117	Resp:	8913
Ion	Ratio	Lower	Upper
117	100		
201	90.2	47.8	143.3





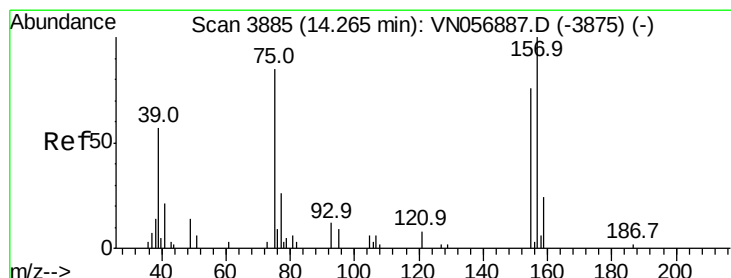
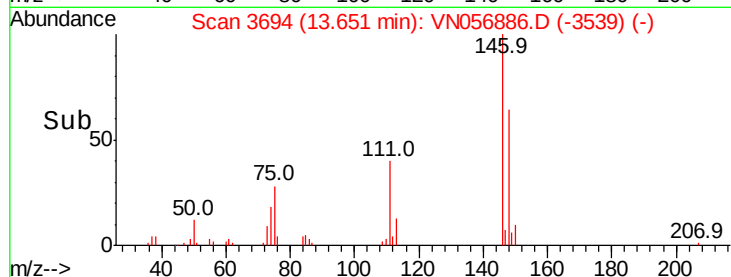
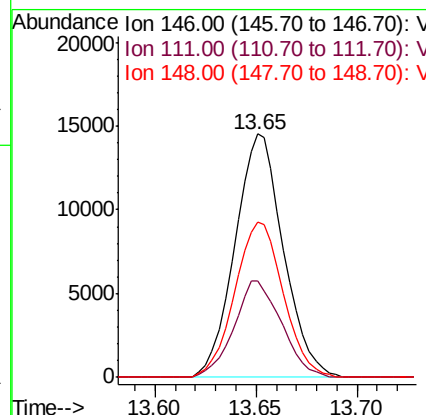
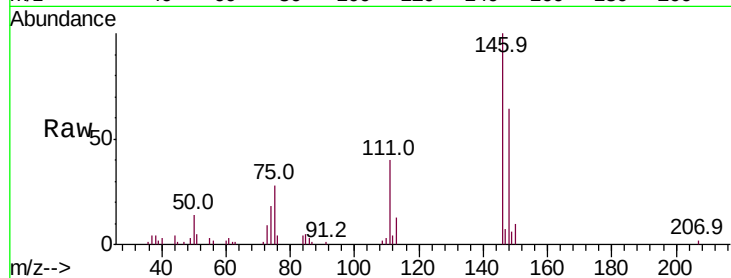
#87
 1,2-Dichlorobenzene
 Concen: 3.565 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.8
148	63.9	32.5	97.5

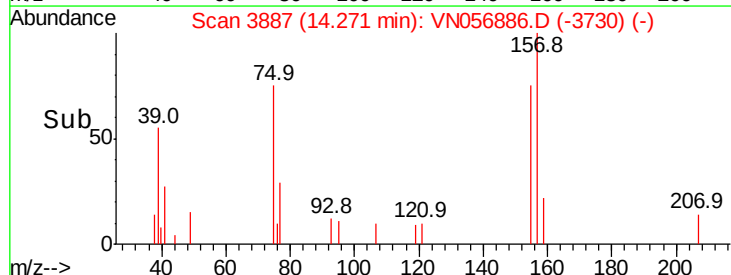
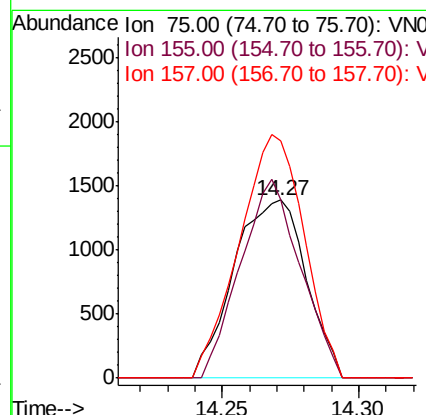
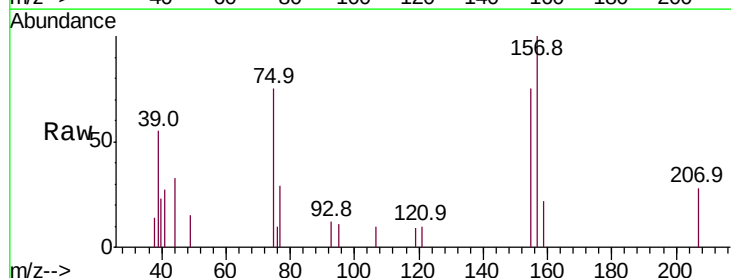
Manual Integrations
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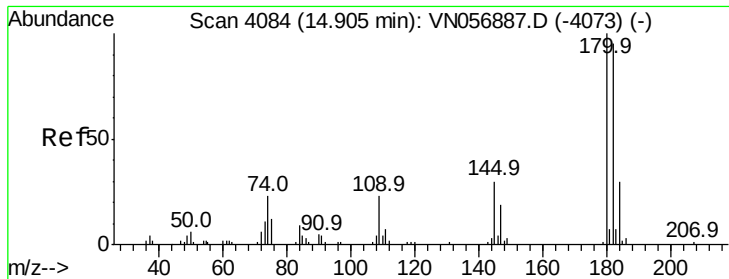
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.977 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.01 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	73.4	110.2
157	122.6	95.0	142.6





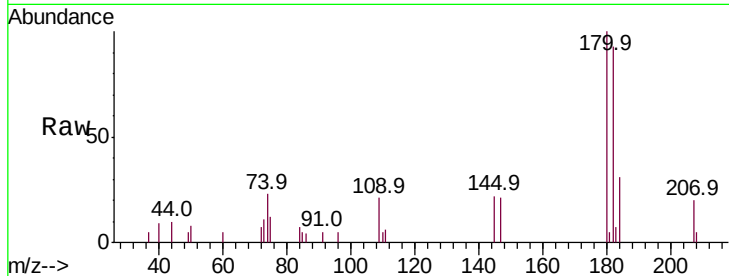
#89
 1,2,4-Trichlorobenzene
 Concen: 1.993 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.4
145	26.2	23.5	35.3

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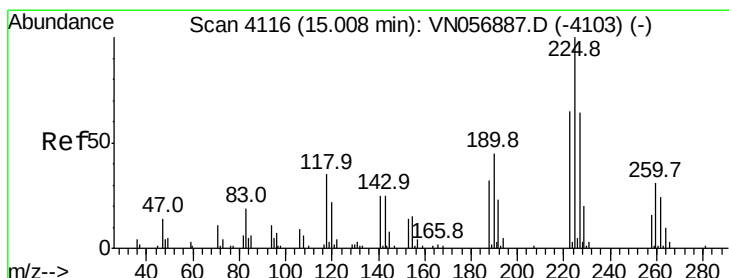
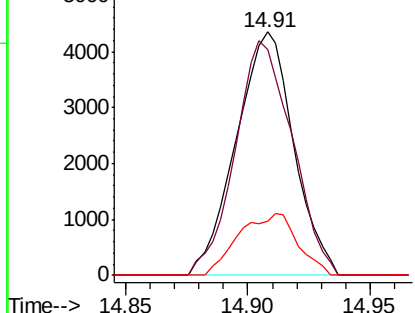
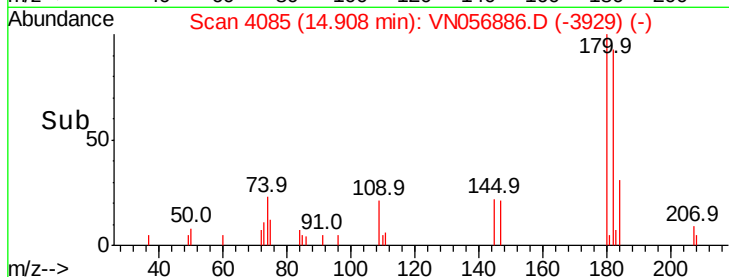


Abundance

Ion 180.00 (179.70 to 180.70): V

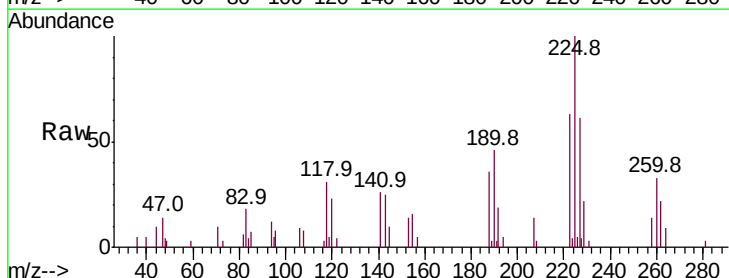
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 4.349 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	0.0	130.0
227	65.2	0.0	127.2

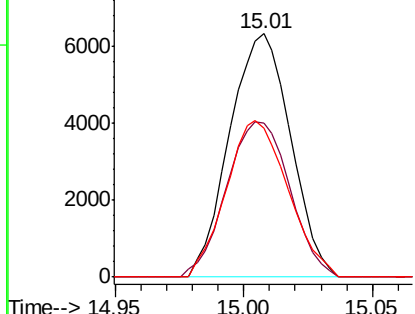
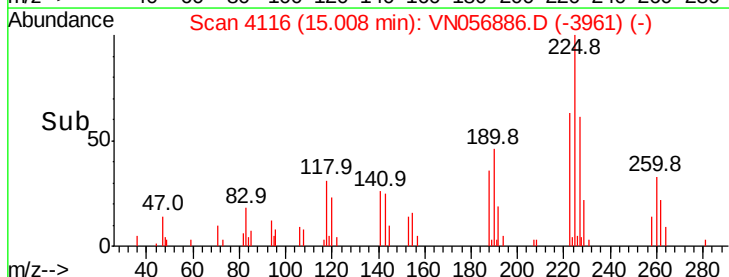


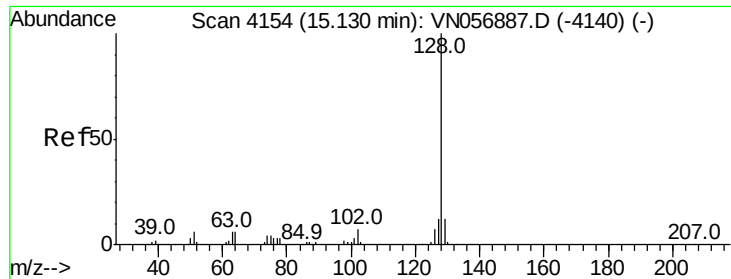
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





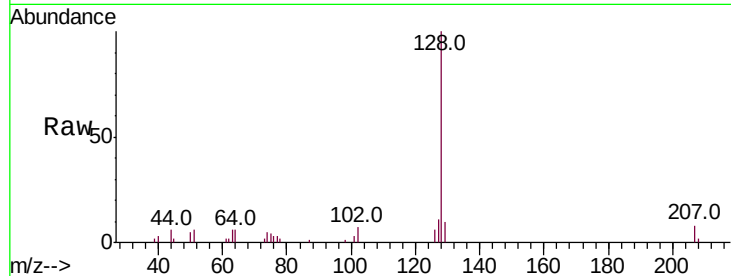
#91
Naphthalene
Concen: 1.955 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

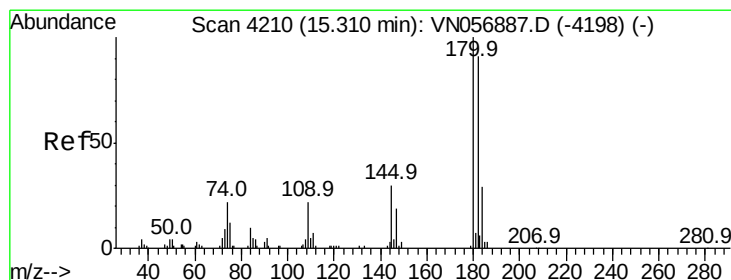
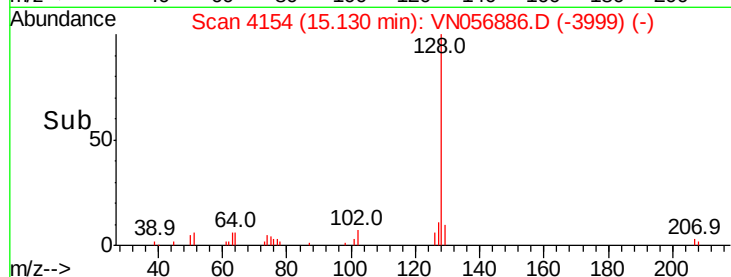
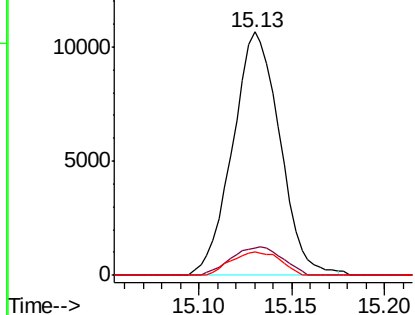
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	10.0	8.9	13.3

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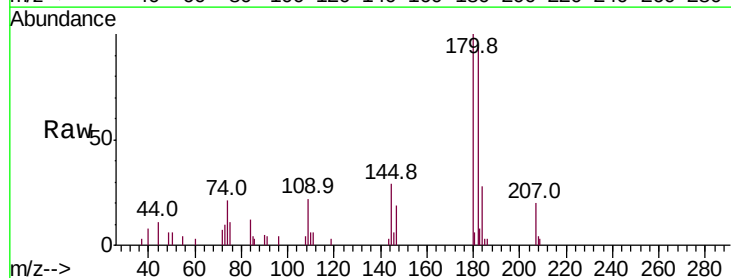


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 2.561 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	0.0	188.0
145	27.9	0.0	61.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

