LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** NWB-1501

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Title : SW846 8260

Signal : TIC: VD068175.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.156 | 365 | 380 | 417 | rBV2 | 26142013 | 88238519 | 46.93% | 16.856% |
| 2 | 7.961 | 1010 | 1027 | 1037 | rBV | 8176596 | 19834117 | 10.55% | 3.789% |
| 3 | 8.067 | 1037 | 1045 | 1056 | rVB | 2886450 | 7198737 | 3.83% | 1.375% |
| 4 | 8.197 | 1056 | 1067 | 1084 | rBV | 17994146 | 41585085 | 22.12% | 7.944% |
| 5 | 8.455 | 1101 | 1111 | 1118 | rBV | 2791054 | 6885859 | 3.66% | 1.315% |
| 6 | 8.726 | 1147 | 1157 | 1174 | rBV | 35225202 | 73067418 | 38.86% | 13.958% |
| 7 | 9.173 | 1225 | 1233 | 1244 | rVB | 1368839 | 2847450 | 1.51% | 0.544% |
| 8 | 9.361 | 1249 | 1265 | 1270 | rBV | 5051273 | 11905447 | 6.33% | 2.274% |
| 9 | 9.544 | 1288 | 1296 | 1302 | rBV | 1776368 | 3434152 | 1.83% | 0.656% |
| 10 | 10.414 | 1435 | 1444 | 1458 | rVV4 | 63723165 | 188004550 | 100.00% | 35.914% |
| 11 | 11.432 | 1608 | 1617 | 1628 | rVB3 | 920659 | 2421170 | 1.29% | 0.463% |
| 12 | 11.855 | 1679 | 1689 | 1699 | rVV3 | 5883631 | 12589368 | 6.70% | 2.405% |
| 13 | 12.179 | 1732 | 1744 | 1752 | rBV2 | 2279121 | 5957484 | 3.17% | 1.138% |
| 14 | 12.391 | 1776 | 1780 | 1790 | rVV4 | 937355 | 2531839 | 1.35% | 0.484% |
| 15 | 12.561 | 1800 | 1809 | 1811 | rVV3 | 1172153 | 3024247 | 1.61% | 0.578% |
| 16 | 12.885 | 1857 | 1864 | 1867 | rBV | 2413103 | 4178726 | 2.22% | 0.798% |
| 17 | 12.949 | 1867 | 1875 | 1882 | rVV3 | 7669234 | 14694865 | 7.82% | 2.807% |
| 18 | 13.126 | 1896 | 1905 | 1911 | rBV2 | 992592 | 3236191 | 1.72% | 0.618% |
| 19 | 13.185 | 1911 | 1915 | 1922 | rVB3 | 1494859 | 2487495 | 1.32% | 0.475% |
| 20 | 13.267 | 1923 | 1929 | 1934 | rBV | 3320443 | 5305444 | 2.82% | 1.013% |
| 21 | 13.461 | 1955 | 1962 | 1966 | rBV6 | 1223631 | 2349329 | 1.25% | 0.449% |
| 22 | 13.667 | 1990 | 1997 | 2003 | rVB | 4913324 | 8446825 | 4.49% | 1.614% |
| 23 | 13.896 | 2031 | 2036 | 2041 | rBV | 5110161 | 7776837 | 4.14% | 1.486% |
| 24 | 14.749 | 2176 | 2181 | 2187 | rVB2 | 2047537 | 3209383 | 1.71% | 0.613% |
| 25 | 14.826 | 2187 | 2194 | 2199 | rVV4 | 895894 | 2268825 | 1.21% | 0.433% |

Sum of corrected areas: 523479362

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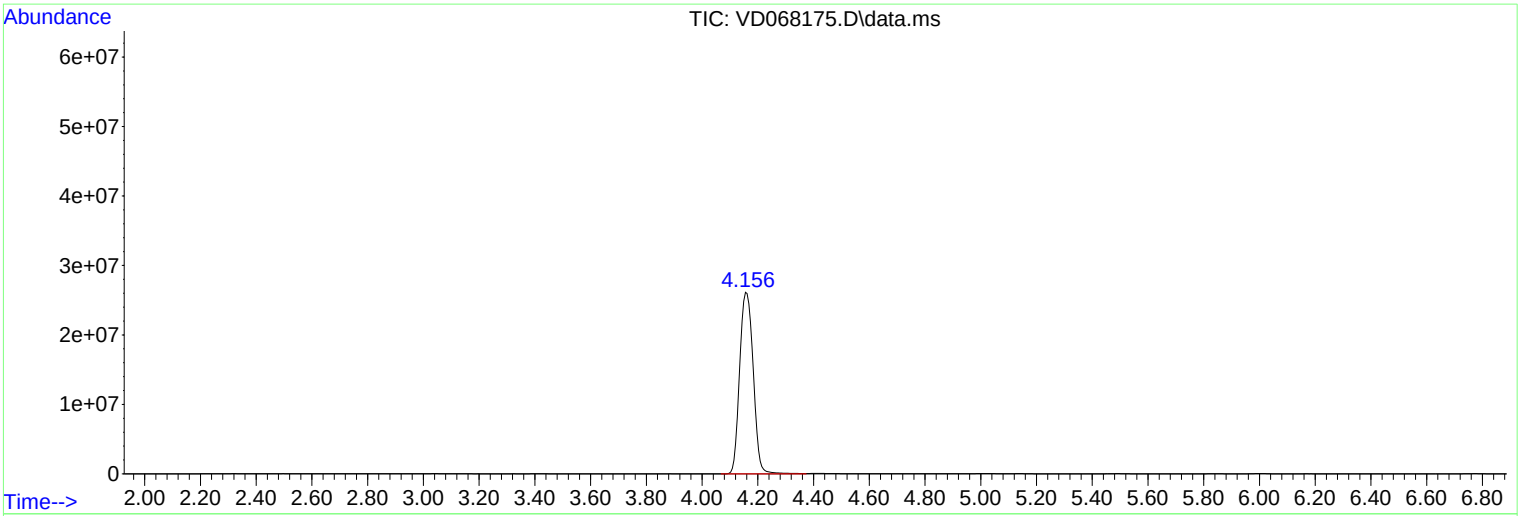
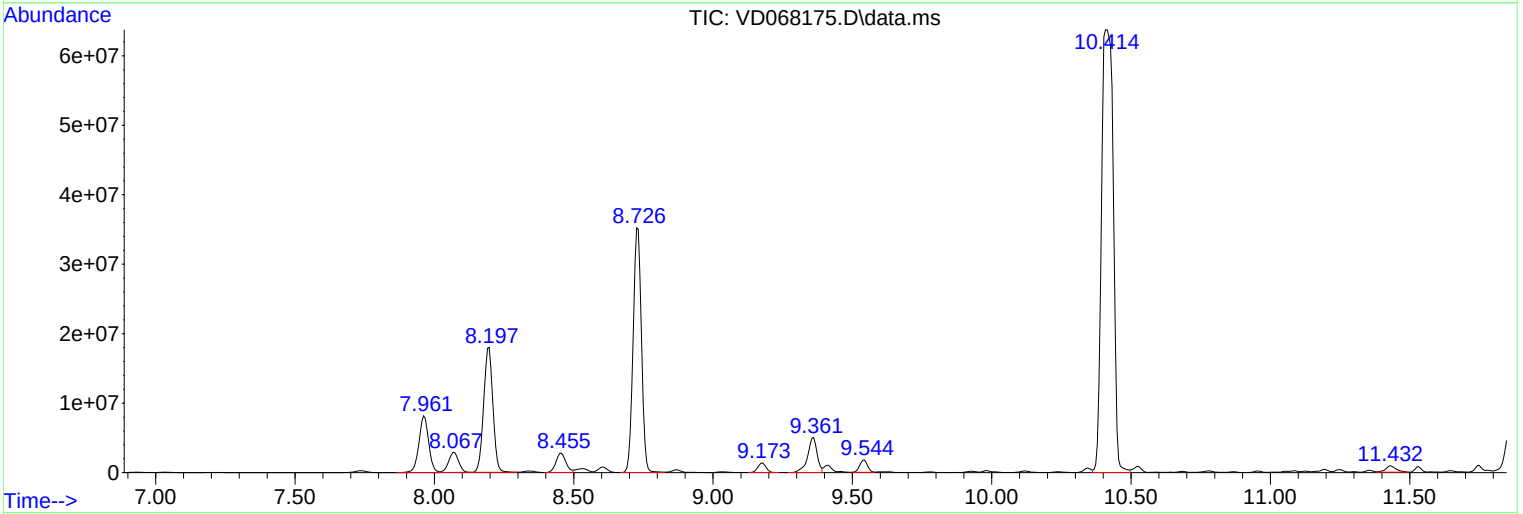
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

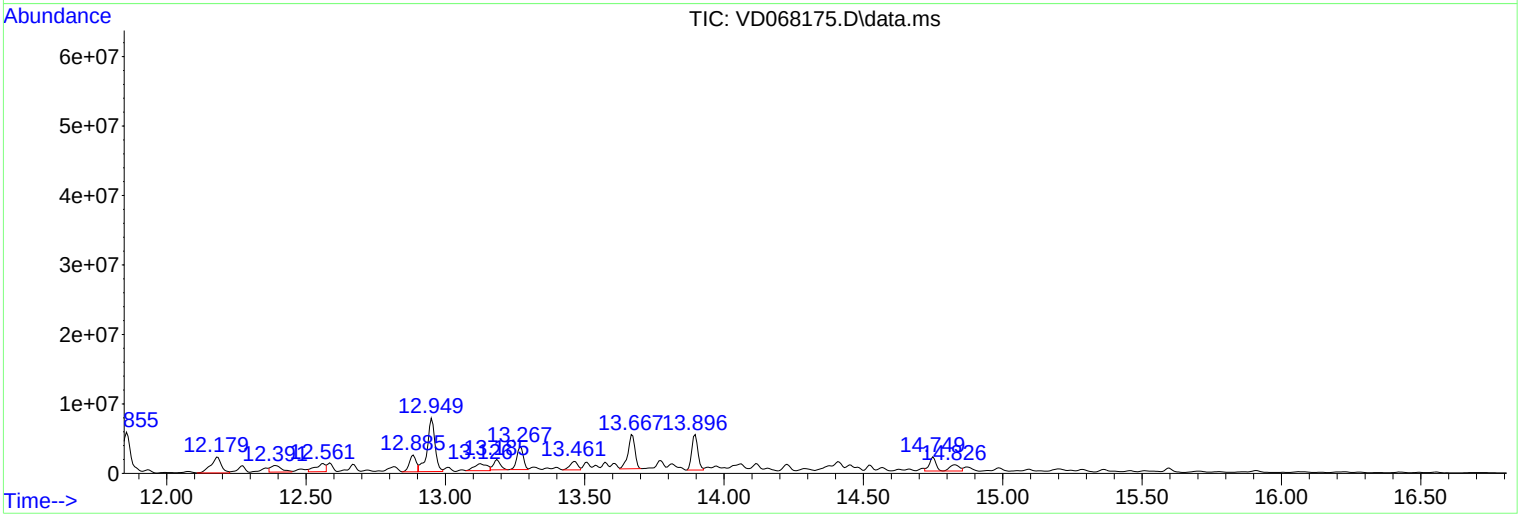
**Instrument :**
MSVOA_D
**ClientSampleId :**
NWB-1501

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
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Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_D
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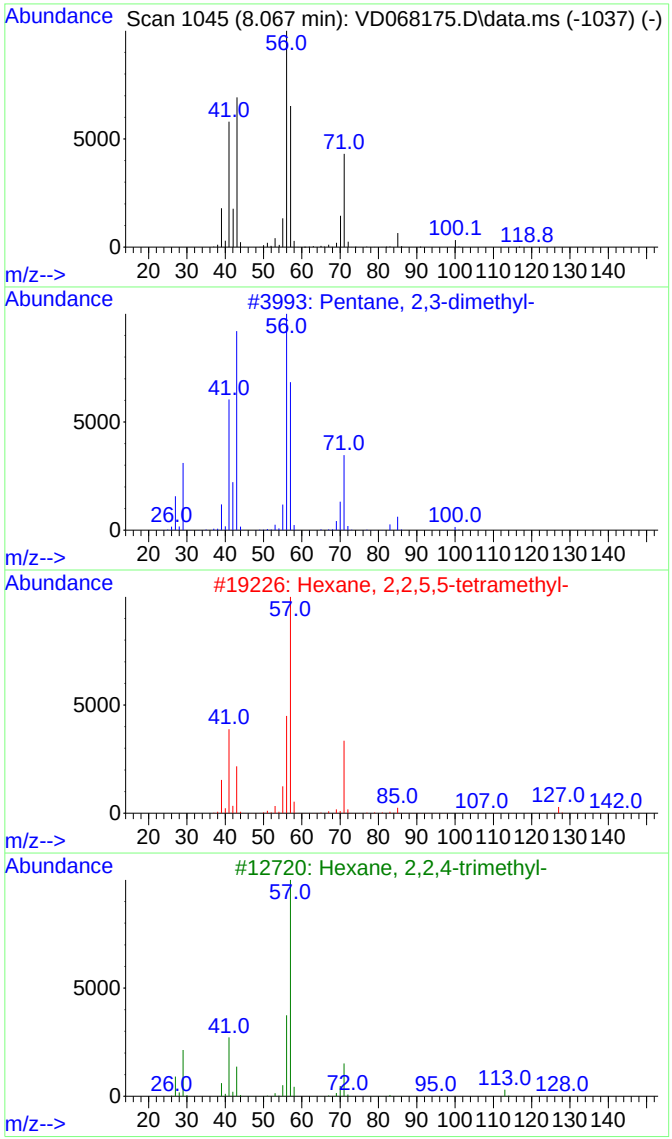
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

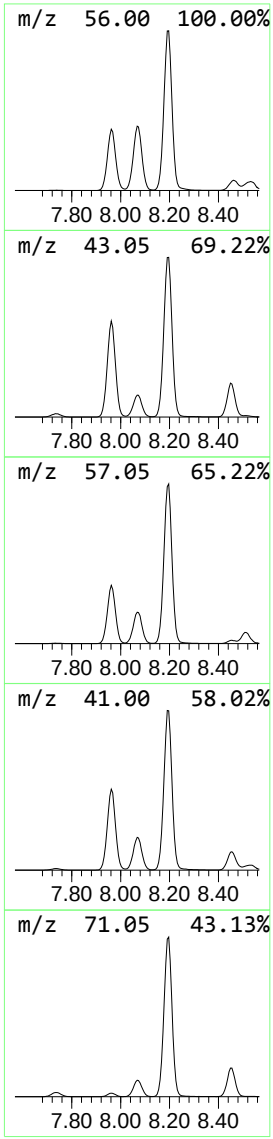
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Pentane, 2,3-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.067 | 18.15 ug/l | 7198740 | Pentafluorobenzene | 7.985 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 91 |
| 2 | Hexane, 2,2,5,5-tetramethyl- | 142 | C10H22 | 001071-81-4 | 56 |
| 3 | Hexane, 2,2,4-trimethyl- | 128 | C9H20 | 016747-26-5 | 50 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 47 |
| 5 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
NWB-1501

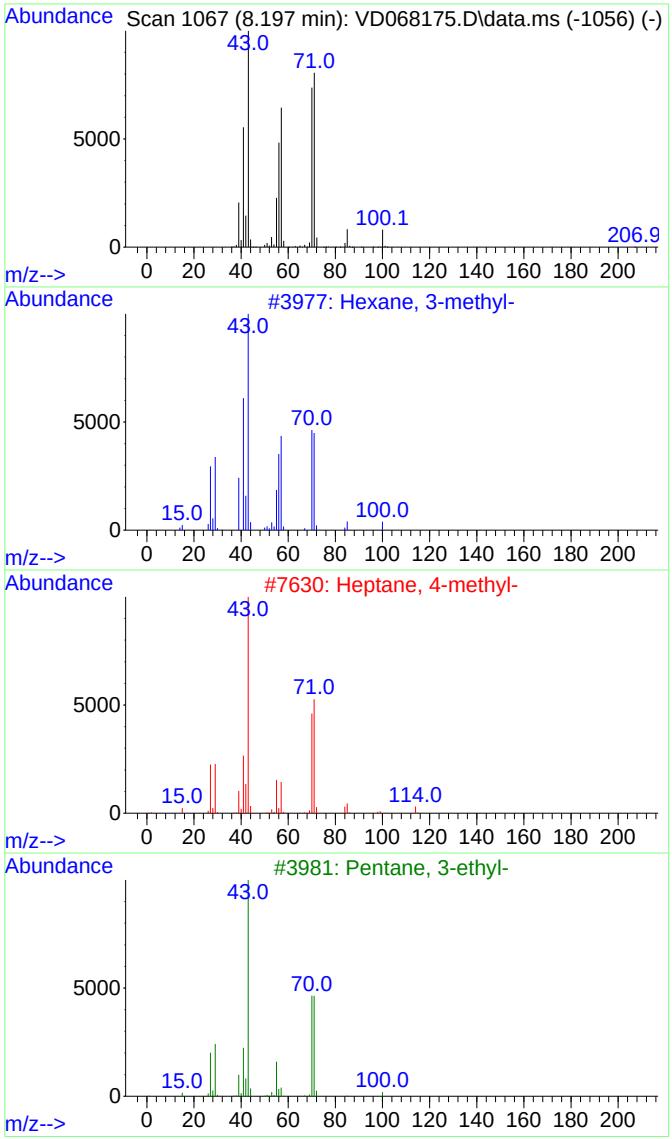
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

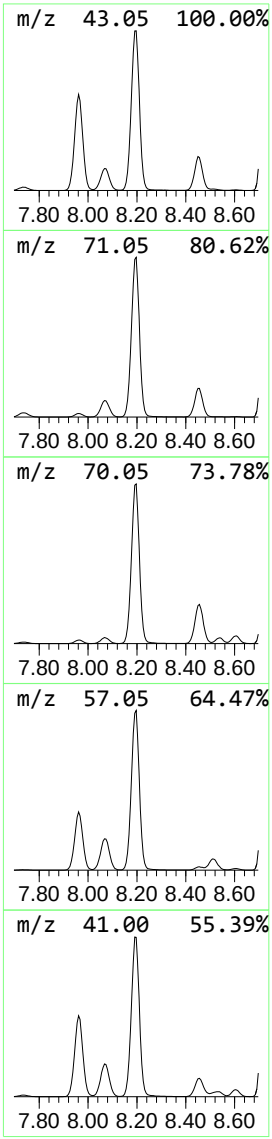
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Hexane, 3-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.197 | 104.83 ug/l | 41585100 | Pentafluorobenzene | 7.985 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 95 |
| 2 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 64 |
| 3 | Pentane, 3-ethyl- | 100 | C7H16 | 000617-78-7 | 64 |
| 4 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 64 |
| 5 | Heptane | 100 | C7H16 | 000142-82-5 | 62 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
NWB-1501

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

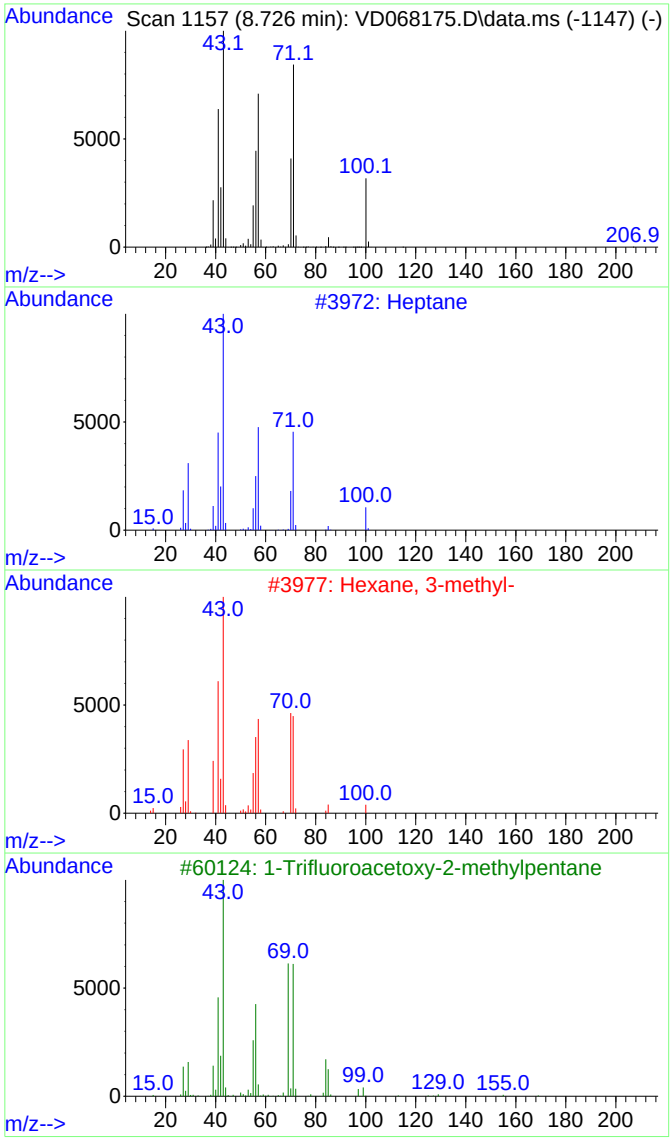
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

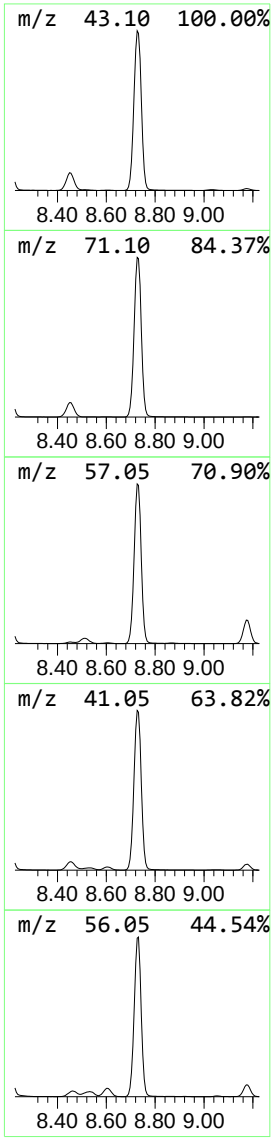
**********

Peak Number 3 Heptane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.726 | 50.00 ug/l | 73067400 | 1,4-Difluorobenzene | 8.867 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 2 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 53 |
| 3 | 1-Trifluoroacetoxy-2-methylpentane | 198 | C8H13F3O2 | 155089-96-6 | 53 |
| 4 | Pentane, 2,3,4-trimethyl- | 114 | C8H18 | 000565-75-3 | 40 |
| 5 | 3-Hexanone | 100 | C6H12O | 000589-38-8 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
NWB-1501

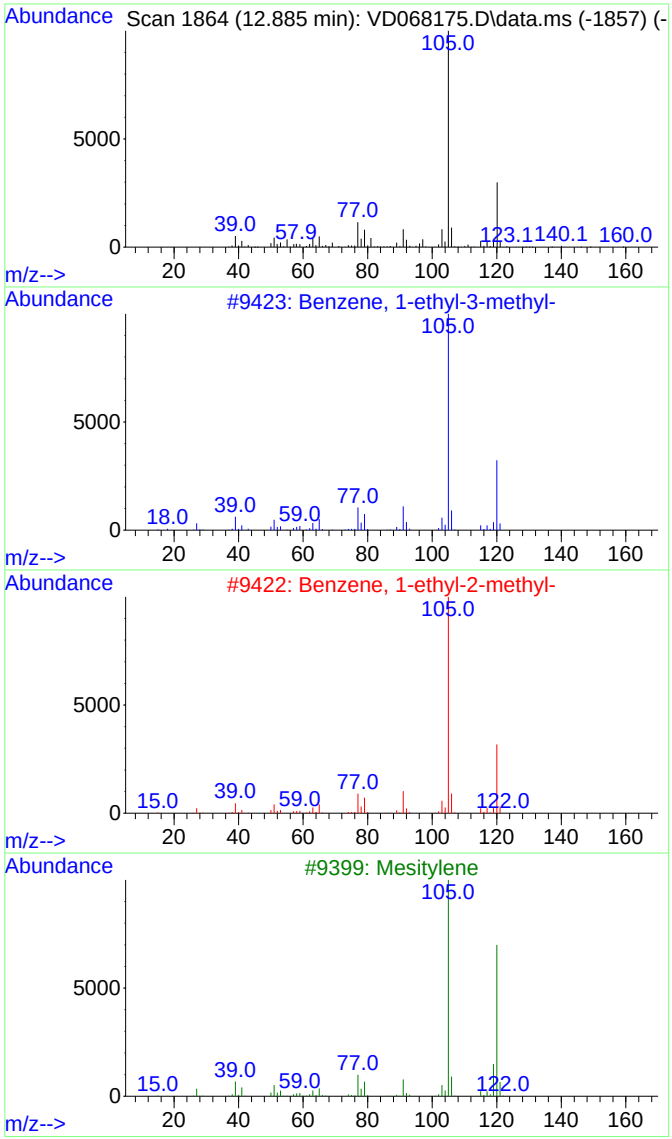
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

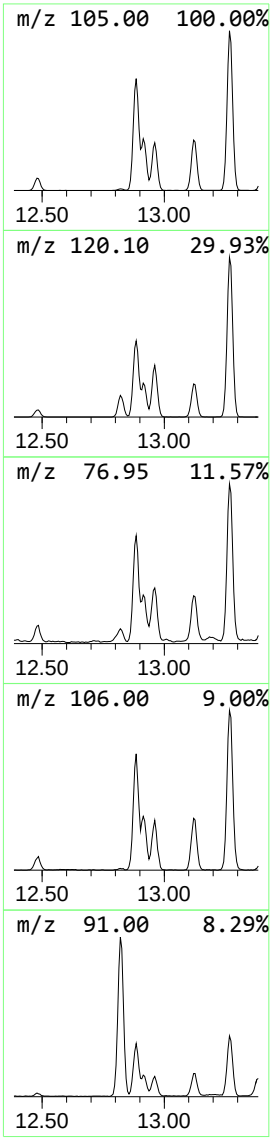
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.885 | 24.74 ug/l | 4178730 | 1,4-Dichlorobenzene-d4 | 13.579 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
NWB-1501

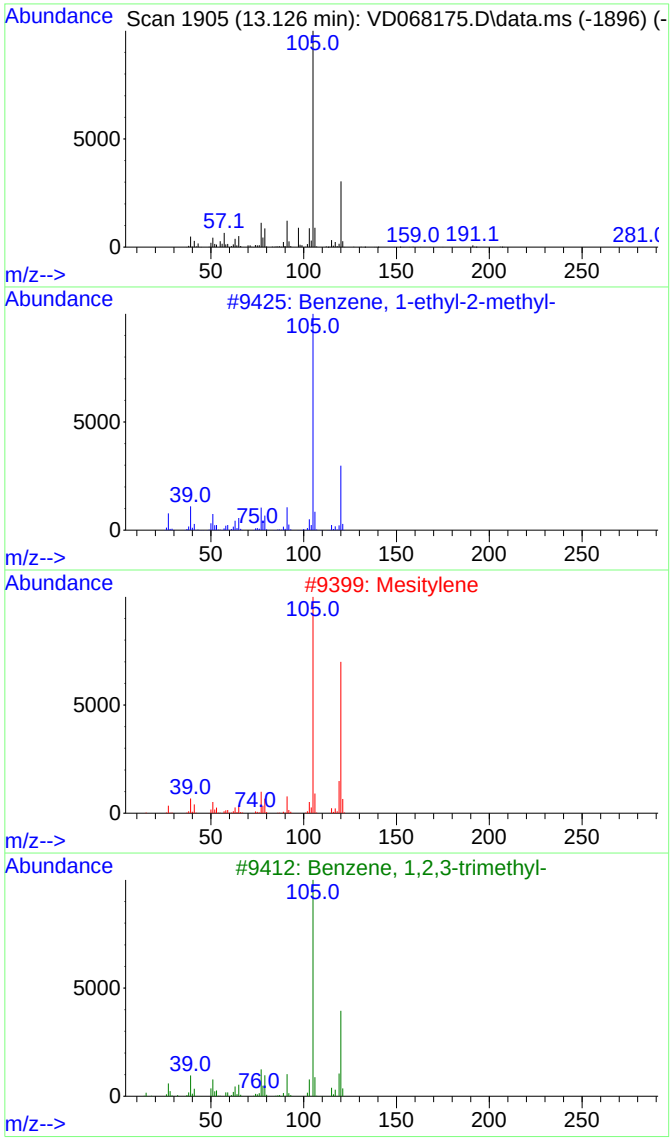
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

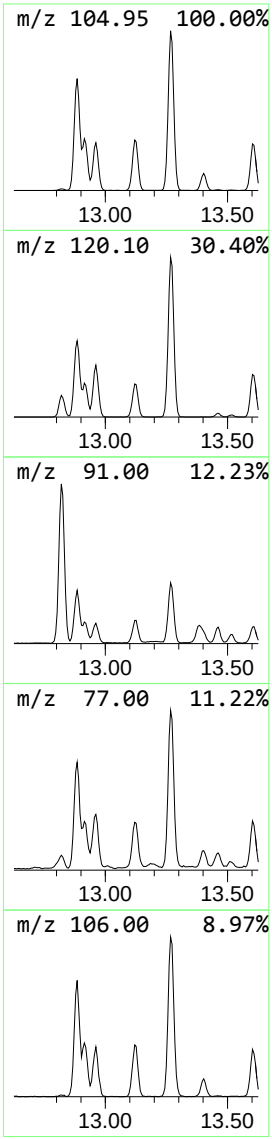
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.126 | 19.16 ug/l | 3236190 | 1,4-Dichlorobenzene-d4 | 13.579 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 93 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 90 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
NWB-1501

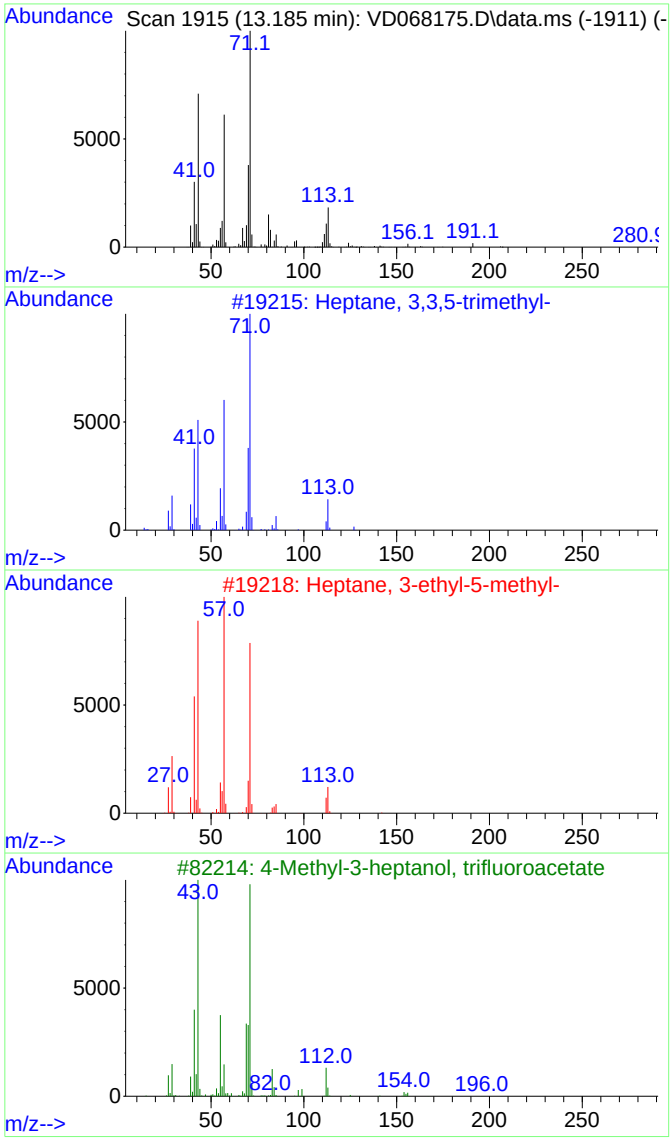
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

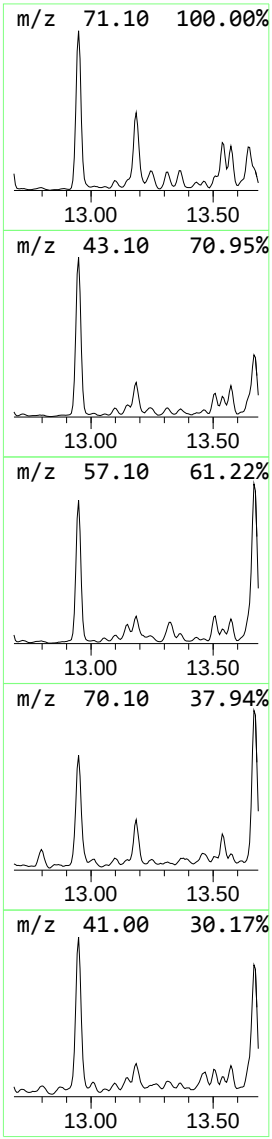
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Heptane, 3,3,5-trimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.185 | 14.72 ug/l | 2487500 | 1,4-Dichlorobenzene-d4 | 13.579 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 3,3,5-trimethyl- | 142 | C10H22 | 007154-80-5 | 72 |
| 2 | Heptane, 3-ethyl-5-methyl- | 142 | C10H22 | 052896-90-9 | 64 |
| 3 | 4-Methyl-3-heptanol, trifluoroac... | 226 | C10H17F3O2 | 1000365-51-8 | 64 |
| 4 | 4-Methyl-3-heptanol, pentafluoro... | 276 | C11H17F5O2 | 1000365-51-7 | 59 |
| 5 | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1000309-19-2 | 59 |



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Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
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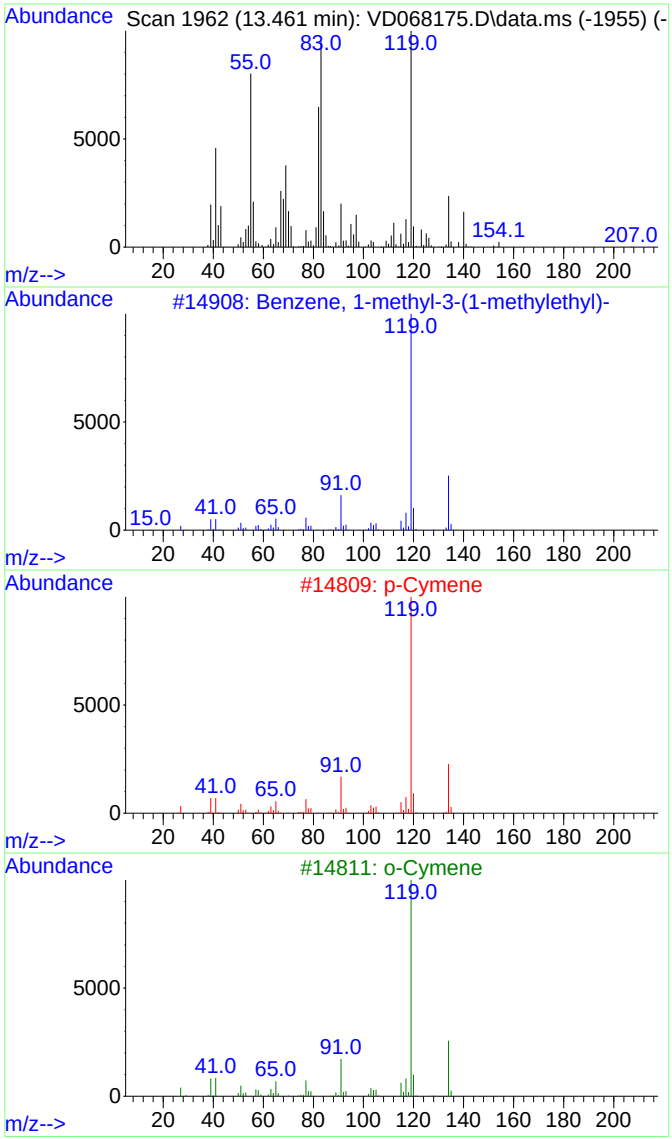
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

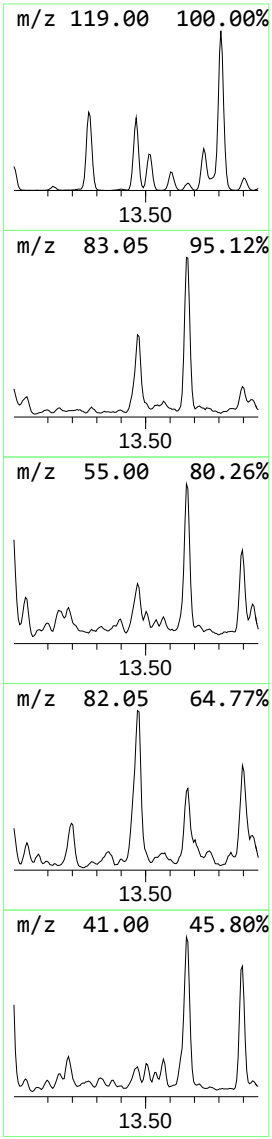
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.461 | 13.91 ug/l | 2349330 | 1,4-Dichlorobenzene-d4 | 13.579 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 86 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 86 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 86 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 42 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 42 |



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Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** NWB-1501

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

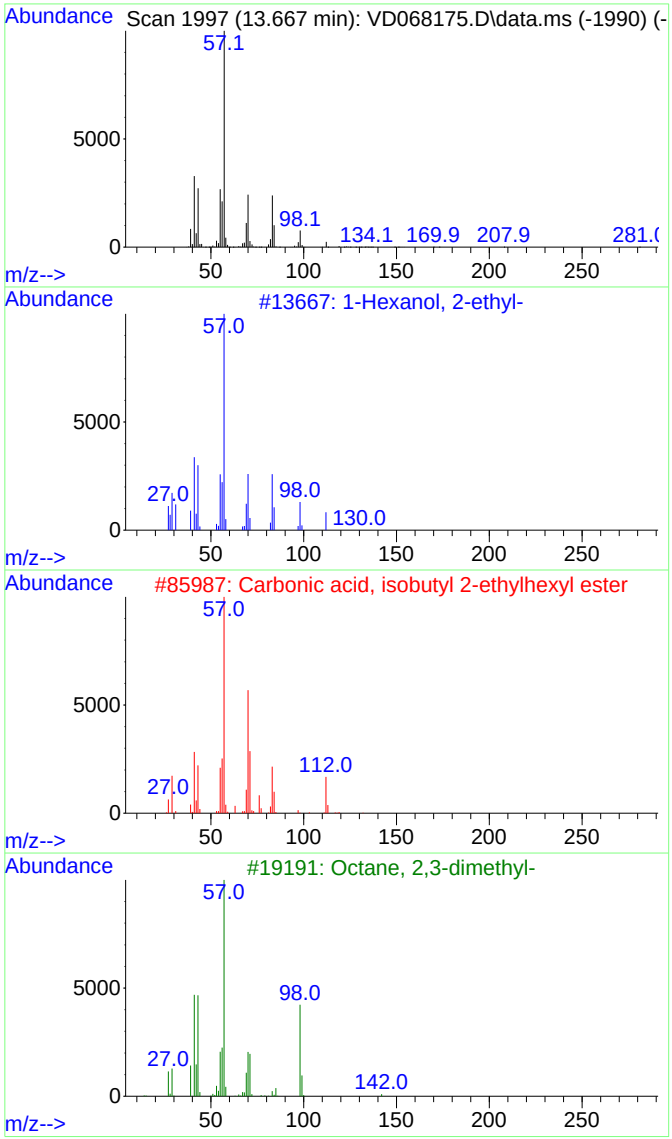
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

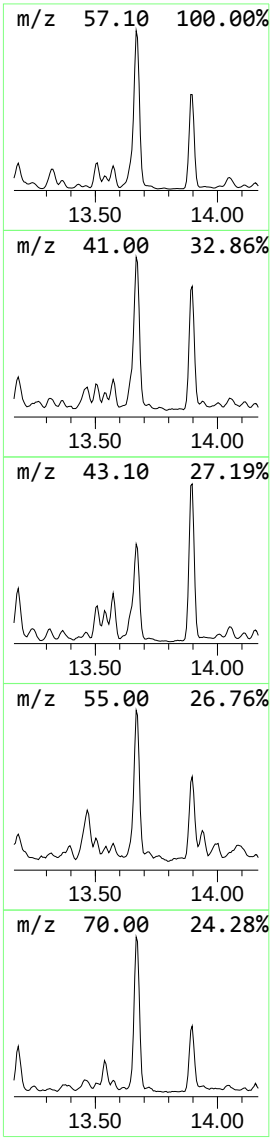
**********

Peak Number 8 1-Hexanol, 2-ethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.667 | 50.00 ug/l | 8446830 | 1,4-Dichlorobenzene-d4 | 13.579 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 74 |
| 2 | Carbonic acid, isobutyl 2-ethylh... | 230 | C13H26O3 | 1000357-82-9 | 59 |
| 3 | Octane, 2,3-dimethyl- | 142 | C10H22 | 007146-60-3 | 50 |
| 4 | 1-Pentanol, 2-ethyl-4-methyl- | 130 | C8H18O | 000106-67-2 | 50 |
| 5 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** NWB-1501

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

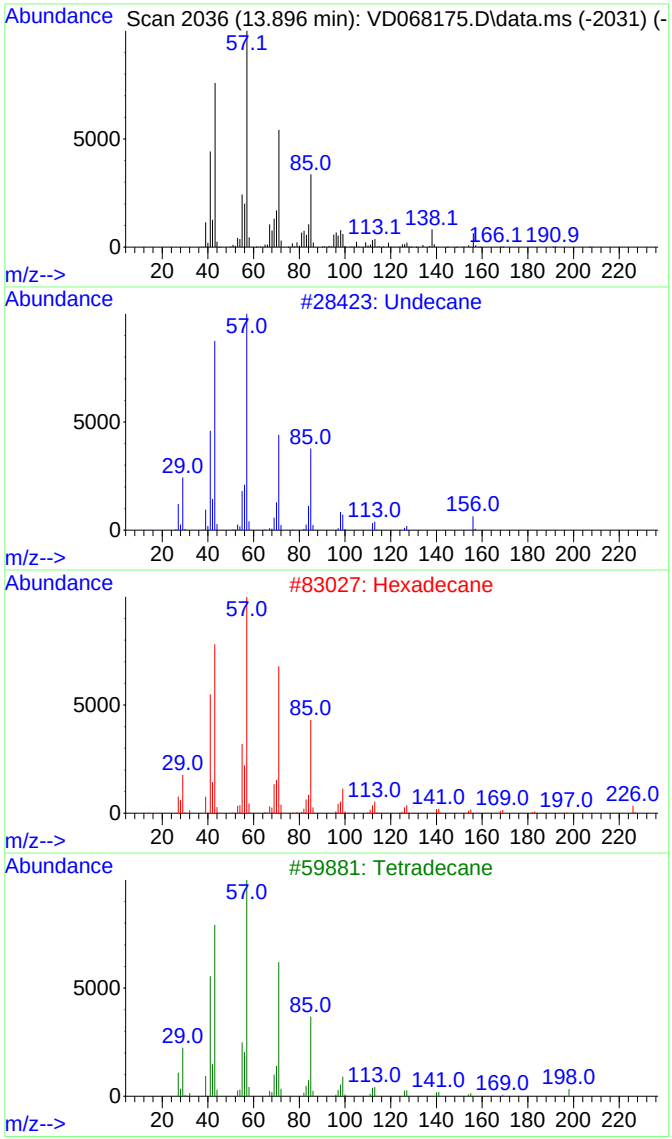
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

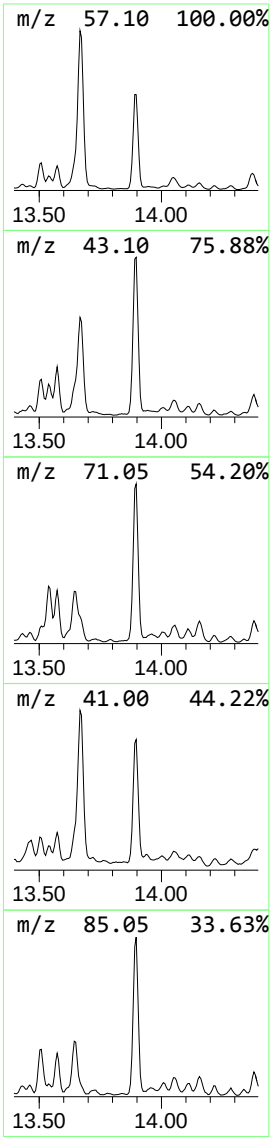
**********

Peak Number 9 Undecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.896 | 46.03 ug/l | 7776840 | 1,4-Dichlorobenzene-d4 | 13.579 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 97 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 4 | Decane | 142 | C10H22 | 000124-18-5 | 64 |
| 5 | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44 | 018344-37-1 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** NWB-1501

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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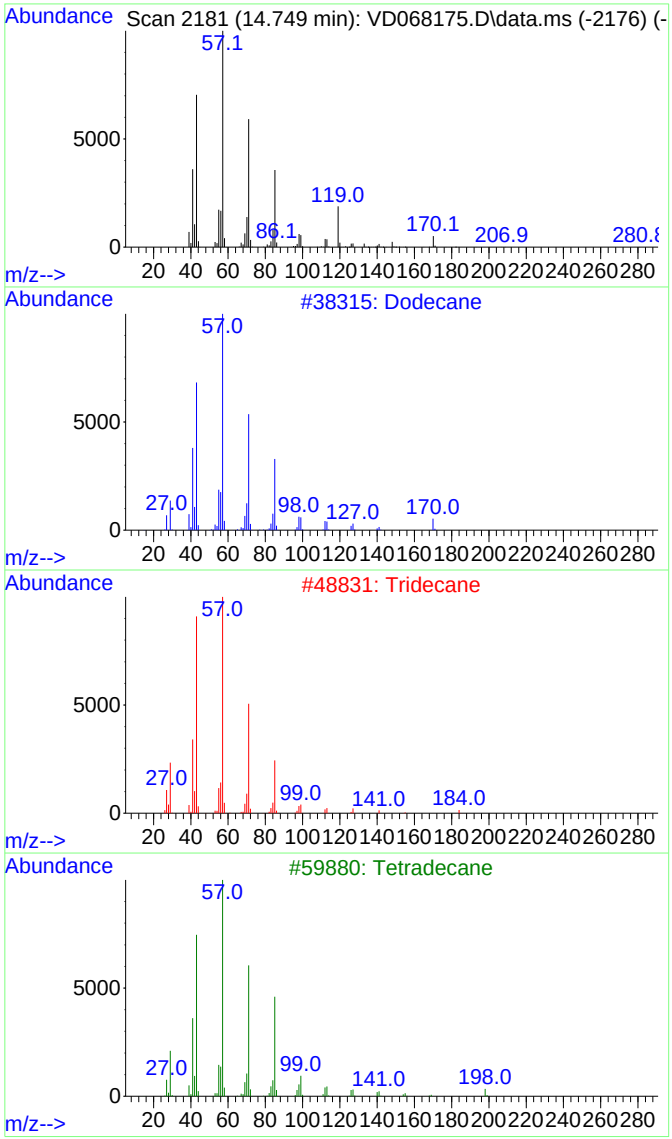
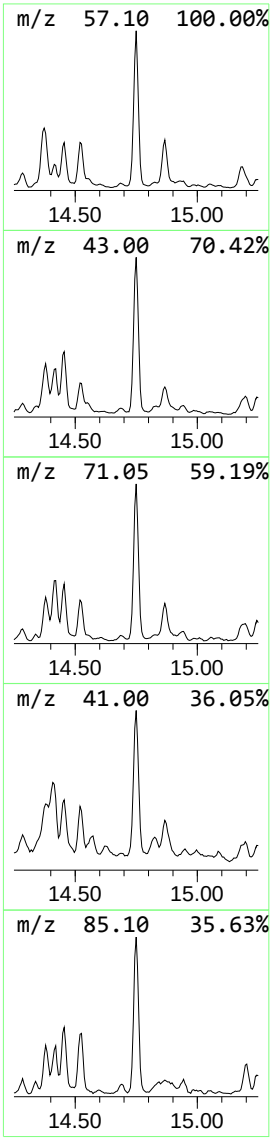
Peak Number 10 Dodecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.749 | 19.00 ug/l | 3209380 | 1,4-Dichlorobenzene-d4 | 13.579 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 93 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 80 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |
| 5 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 59 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068175.D
Acq On : 25 Jan 2021 18:12
Operator : VA/SY
Sample : M1230-01
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** NWB-1501

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Pentane, 2,3-di... | 8.067 | 18.1 | ug/l | 7198740 | 1 | 7.985 | 19834100 | 50.0 |
| Hexane, 3-methyl- | 8.197 | 104.8 | ug/l | 41585100 | 1 | 7.985 | 19834100 | 50.0 |
| Heptane | 8.726 | 50.0 | ug/l | 73067400 | 2 | 8.867 | 73067400 | 50.0 |
| Benzene, 1-ethy... | 12.885 | 24.7 | ug/l | 4178730 | 4 | 13.579 | 8446830 | 50.0 |
| Benzene, 1-ethy... | 13.126 | 19.2 | ug/l | 3236190 | 4 | 13.579 | 8446830 | 50.0 |
| Heptane, 3,3,5-... | 13.185 | 14.7 | ug/l | 2487500 | 4 | 13.579 | 8446830 | 50.0 |
| Benzene, 1-meth... | 13.461 | 13.9 | ug/l | 2349330 | 4 | 13.579 | 8446830 | 50.0 |
| 1-Hexanol, 2-et... | 13.667 | 50.0 | ug/l | 8446830 | 4 | 13.579 | 8446830 | 50.0 |
| Undecane | 13.896 | 46.0 | ug/l | 7776840 | 4 | 13.579 | 8446830 | 50.0 |
| Dodecane | 14.749 | 19.0 | ug/l | 3209380 | 4 | 13.579 | 8446830 | 50.0 |